

Index	Service	Rango de Frecuencias	DENSIDAD DE POTENCIA (Seq)(W/m ²)			INTENSIDAD DE CAMPO MAGNÉTICO (H)(A/m)			INTENSIDAD DE CAMPO ELÉCTRICO (E)(V/m)			
			ECA (µW/m ²)	Act convert (µW/m ²)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mA/m)	Act convert (mA/m)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mV/m)	Act convert (mV/m)
0	72M TP CW/Band	[65.965 - 27.005] MHz	2000000	0.08135	0.035091187	0.0000041%	0.01469	0.14832422	0.002133%	28000	5.438	0.0197785%
1	810 AMATEUR	[28 - 29.7] MHz	200000	0.3152	0.011977152	0.0000158%	0.02381	0.29198831	0.039603%	28000	10.9	0.0389286%
2	816 AMATEUR	[50 - 54] MHz	200000	0.3286	0.012486543	0.0000164%	0.02382	0.298089851	0.040438%	28000	11.13	0.0397500%
3	BAND II VHF	[54 - 88] MHz	200000	51.62	1.863488234	0.0025830%	0.37	3.786305854	0.056549%	28000	138.5	0.482143%
4	BAND III VHF	[88 - 108] MHz	200000	1779	67.599595669	0.0388500%	0.03235	21.93337025	2.975423%	28000	21.93337025	2.975423%
5	108M TP BA	[108 - 117.975] MHz	2000000	0.3613	0.0078119514	0.0000102%	0.03235	0.235767754	0.031896%	28000	8.693	0.0314939%
6	118M TP M(R)	[117.975 - 137] MHz	2000000	0.3613	0.013718698	0.0000104%	0.03235	0.313458996	0.034161%	28000	11.67	0.0416785%
7	138M TP M	[138 - 144] MHz	2000000	0.6914	0.003691945	0.0000049%	0.03235	0.162075962	0.019886%	28000	6.852	0.0216143%
8	B2 AMATEUR	[144 - 148] MHz	2000000	0.6914	0.02325977	0.0000030%	0.03235	0.1269732294	0.017129%	28000	4.731	0.016739417
9	148M TP M	[148 - 149.5] MHz	2000000	0.02701	0.001026542	0.0000004%	0.03235	0.08846471087	0.011395%	28000	3.191	0.0113960%
10	150M TP M	[150.05 - 152.35] MHz	2000000	0.03569	0.000139617	0.0000001%	0.03235	0.0982253596	0.013239%	28000	3.668	0.0131000%
11	150M TP M	[154.35 - 156] MHz	2000000	0.02038	0.000774412	0.0000010%	0.03235	0.074251997	0.010273%	28000	2.772	0.007425968
12	157M TP M	[157.45 - 160.6] MHz	2000000	0.05842	0.001459907	0.0000010%	0.03235	0.101991727	0.013816%	28000	3.866	0.0135925%
13	162M TP M	[162.05 - 161.475] MHz	2000000	0.007496	0.000284838	0.0000004%	0.03235	0.046459	0.006108%	28000	1.681	0.0060059%
14	BAND III VHF	[174 - 176] MHz	2000000	284	10.79160516	0.0040006%	0.018	0.181767434	0.048598%	28000	37.72	0.0482321%
15	81.25 AMATEUR	[200 - 221] MHz	2000000	0.01762	0.000669536	0.0000009%	0.06858	8.764219167	1.188904%	28000	2.577	0.0092058%
16	300M Lin. OM-OC	[300 - 321] MHz	2000000	0.9922	0.057702221	0.0000496%	0.0513	0.696903132	0.092676%	28000	19.34	0.0690710%
17	322M TP M	[322 - 328.6] MHz	2000000	10.41	0.935565527	0.0005205%	0.1662	1.678319306	0.227671%	28000	62.65	0.2237500%
18	300M Lin. OM-OC	[330 - 321] MHz	2000000	0.03446	0.008496489	0.0000012%	0.09135	0.922746973	0.02514%	28000	3.444	0.00926067
19	322M TP M	[335.4 - 380] MHz	2000000	0.02133	0.00810551	0.0000011%	0.02435	0.245890945	0.03356%	28000	9.181	0.0327893%
20	380M idB TP-M	[380 - 385] MHz	2000000	0.001381	0.000119546	0.0000001%	0.07233	0.759868989	0.019350%	28000	2.856	0.0101286%
21	385M-A1 SP 2o	[385 - 385.25] MHz	2000000	0.001381	5.24761E-05	0.0000001%	0.00134	0.01937937	0.002622%	28000	0.7215	0.0025768%
22	385M-B1 SP 2o	[385.25 - 385.5] MHz	2000000	0.001381	4.77643E-05	0.0000001%	0.00134	0.018439296	0.002501%	28000	0.6885	0.0024589%
23	385M-C1 SP 2o	[385.5 - 385.75] MHz	2000000	0.001381	3.87206E-05	0.0000001%	0.00134	0.017996237	0.002319%	28000	0.6382	0.0022793%
24	385M-D1 SP 2o	[385.75 - 386] MHz	2000000	0.001381	0.000741733	0.0000010%	0.00164	0.016601426	0.002325%	28000	0.6197	0.0022132%
25	385M-E1 SP 2o	[390 - 395] MHz	2000000	0.00119	0.000194356	0.0000002%	0.007196	0.072666581	0.009858%	28000	2.713	0.0096893%
26	385M-A-R SP 2o	[395 - 395.25] MHz	2000000	0.0006808	2.58695E-05	0.0000000%	0.001344	0.013571968	0.001841%	28000	0.5066	0.0016789%
27	385M-B-R SP 2o	[395.25 - 395.5] MHz	2000000	0.0009362	3.22748E-05	0.0000000%	0.001247	0.012592444	0.002708%	28000	0.4701	0.0012593475
28	385M-C-R SP 2o	[395.5 - 395.75] MHz	2000000	0.0009786	2.71854E-05	0.0000000%	0.001161	0.012688185	0.002027%	28000	0.6074	0.0021693%
29	385M-D-R SP 2o	[395.75 - 396] MHz	2000000	0.00128	4.86382E-05	0.0000001%	0.001843	0.018610966	0.002525%	28000	0.6947	0.0024811%
30	385M TP M-ma	[404.4 - 411.675] MHz	204437.5	0.02466	0.000937046	0.0000012%	0.00688	0.081674167	0.010810%	27803.82941	3.049	0.008679441
31	408M TP M-ma	[411.675 - 416.675] MHz	207087.5	0.02145	0.00081507	0.0000010%	0.00744	0.0716180751	0.010019%	27803.82941	2.844	0.0016330%
32	412M idB SP AFI	[416.675 - 420] MHz	2091687.5	0.01377	0.000523241	0.0000007%	0.00643	0.061023367	0.007985%	2812.32834	2.728	0.061023367
33	417M TP Fonic	[420 - 421.675] MHz	2104187.5	0.007108	0.000270094	0.0000003%	0.00442	0.043846344	0.005720%	28000	1.637	0.0058035%
34	420M TP F-ma	[421.675 - 426.675] MHz	212087.5	0.02205	0.000837869	0.0000010%	0.007447	0.077224785	0.010035%	28318.82518	2.883	0.007224785
35	412M Rel SP AFI	[426.675 - 430] MHz	2141687.5	0.01141	0.000385559	0.0000002%	0.00693	0.064557734	0.00849%	28457.43463	2.41	0.0084688%
36	417M R TP Tonic	[430 - 440] MHz	2175000	0.04006	0.001522224	0.0000018%	0.01026	0.103607437	0.014145%	28677.89872	3.886	0.01401773
37	807M TP F-ma	[440 - 460] MHz	2255750	0.03971	0.001508925	0.000002%	0.003874	0.038756856	0.00484%	29205.40136	1.447	0.004846362
38	450M-CH1 SP	[450.525 - 451.775] MHz	2255750	0.005554	0.000211044	0.0000002%	0.003874	0.037100753	0.00468%	29247.127652	0.7379	0.00468278%
39	450M-CH1 SP	[451.775 - 453.025] MHz	2262000	0.005988	0.000193337	0.0000002%	0.003874	0.039290206	0.005149%	29296.69575	1.467	0.005149%
40	453M-G1 SP	[453.025 - 453.35] MHz	226937.5	0.001444	5.487E-05	0.0000001%	0.003874	0.042109456	0.005364%	29403.78908	1.268	0.00536400%
41	453M-F1 SP	[453.35 - 454.6] MHz	226987.5	0.006226	0.000236579	0.0000003%	0.003874	0.039860216	0.00454%	29377.73908	1.826	0.00454%
42	453M-F2 SP	[454.6 - 455.85] MHz	228237.5	0.004265	0.000162064	0.0000001%	0.002198	0.022195823	0.00278%	29438.12864	1.572	0.00278%
43	453M-G2 SP	[455.85 - 457.1] MHz	2286500	0.001821	6.91955E-05	0.0000001%	0.002198	0.042109456	0.005364%	29438.12864	1.572	0.00536400%
44	453M-F3 SP	[457.1 - 457.5] MHz	2291843.75	0.006555	0.000249081	0.0000003%	0.003874	0.038895248	0.00457%	29567.29612	1.365	0.00457%
45	458M TP M	[457.5 - 459.2375] MHz	2305750	0.004942	0.000187789	0.0000002%	0.003874	0.038895248	0.00457%	29567.29612	1.365	0.00457%
46	458M-CH1 R SP	[460.525 - 461.775] MHz	2312000	0.004942	0.000161304	0.0000002%	0.003874	0.038895248	0.00457%	29567.29612	1.365	0.00457%
47	458M-CH2 R SP	[461.775 - 463.025] MHz	231937.5	0.000706	2.687E-05	0.0000000%	0.003874	0.038895248	0.00457%	29567.29612	1.365	0.00457%
48	458M-G1 R SP	[463.025 - 463.35] MHz	231937.5	0.005147	0.000195579	0.0000002%	0.003874	0.03731815	0.004118%	29594.63031	0.5159	0.004118%
49	458M-F1 R SP	[463.35 - 464.6] MHz	231937.5	0.005147	0.000195579	0.0000002%	0.003874	0.03731815	0.004118%	29594.63031	0.5159	0.004118%
50	458M-F2 R SP	[464.6 - 465.85] MHz	231937.5	0.005147	0.000195579	0.0000002%	0.003874	0.03731815	0.004118%	29594.63031	0.5159	0.004118%
51	458M-F3 R SP	[465.85 - 467.1] MHz	233237.5	0.005147	5.1761E-05	0.0000001%	0.003874	0.03731815	0.004118%	29594.63031	0.5159	0.004118%
52	458M-G2 R SP	[467.1 - 467.5] MHz	2335000	0.001361	0.00000004%	0.0000000%	0.003874	0.03731815	0.004118%	29594.63031	0.5159	0.004118%
53	468M TP M	[467.5 - 469.525] MHz	2342562.5	0.008348	0.000317212	0.000004%	0.01196	0.047520286	0.005976%	29762.80866	0.7163	0.005188909
54	BAND IV TV UHF	[467.5 - 584] MHz	2655000	5.391	0.204850905	0.0000046%	0.003874	0.047520286	0.005976%	31565.16078	45.08	0.00597600%
55	BAND V TV UHF	[584 - 692] MHz	3150000	10.36	0.393665997	0.0003248%	0.1658	1.674290029	0.01408%	34739.66009	62.49	0.167429029
56	CH51 RESERVA	[692 - 800] MHz	3475000	0.01695	0.000644076	0.0000028%	0.006706	0.067718467	0.006706%	36248.9224	2.528	0.00670600%
57	700-G1	[698 - 703] MHz	3502500	0.01534	0.000583889	0.0000014%	0.006706	0.064416741	0.006514%	36382.07074	2.405	0.006441674
58	700-A CELVA	[703 - 718] MHz	3552500	0.04327	0.0016442	0.0000012%	0.006706	0.064416741	0.006514%	36382.07074	2.405	0.006441674
59	700-B CELVA	[718 - 733] MHz	3627500	0.04385	0.00162834	0.0000012%	0.006706	0.064416741	0.006514%	36382.07074	2.405	0.006441674
60	700-C CELVA	[733 - 748] MHz	3702500	0.04261	0.001591121	0.0000012%	0.006706	0.064416741	0.006514%	36382.07074	2.405	0.006441674
61	700-D CELVA	[748 - 763] MHz	3750000	0.04261	0.001591121	0.0000012%	0.006706	0.064416741	0.006514%	36382.07074	2.405	0.006441674
62	700-E CELVA	[763 - 778] MHz	3802500	0.04261	0.001591121	0.0000012%	0.006706	0.064416741	0.006514%	36382.07074	2.405	0.006441674
63	700-F CELVA	[778 - 793] MHz	3850000	0.04261	0.001591121	0.0000012%	0.006706	0.064416741	0.006514%	36382.07074	2.405	0.006441674
64	700-G CELVA	[793 - 808] MHz	3902500	0.04261	0.001591121	0.0000012%	0.006706	0.064416741	0.006514%	36382.07074	2.405	0.006441674
65	700-H CELVA	[808 - 823] MHz	3950000	0.04261	0.001591121	0.0000012%	0.006706	0.064416741	0.006514%	36382.07074	2.405	0.006441674
66	800 CELVA	[823 - 838] MHz	4002500	0.04261	0.001591121	0.0000012%	0.006706	0.064416741	0.006514%	36382.07074	2.405	0.006441674
67	800-A CELVA	[838 - 853] MHz	4050000	0.04261	0.001591121	0.0000012%	0.006706	0.064416741	0.006514%	36382.07074	2.405	0.006441674

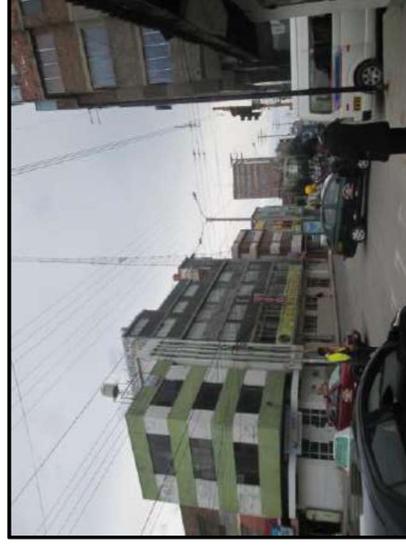
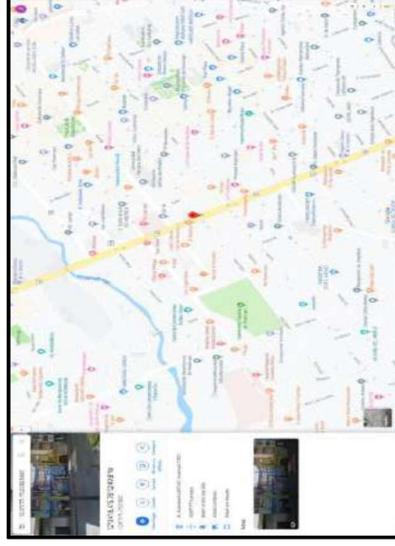
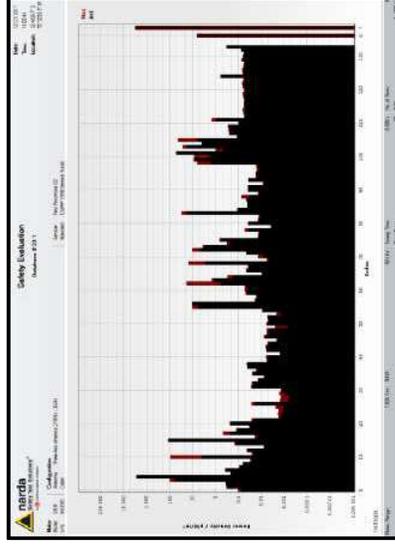
68	800B-1 CEL CLAR	[835 - 845] MHz	2.676	0.10168428	0.00000637%	107.2361879	0.88425	0.85077572	0.078565%	39851.28605	31.76	0.850816346	0.0796963%
69	800-2 CEL TM	[845 - 860.5] MHz	0.00457	0.00017696	0.0000001%	107.6025906	0.003515	0.035495141	0.003267%	39987.4492	1.325	0.035495329	0.0033135%
70	800B-2 CEL CLAR	[860.5 - 849] MHz	0.0007875	0.00029329	0.0000002%	107.7297429	0.00457	0.046148732	0.00442%	40034.70774	1.723	0.046157323	0.0043038%
71	800 B15 EN	[851 - 861] MHz	0.04259	0.00118361	0.0000010%	108.4166008	0.01063	1.124938452	0.009805%	40287.43468	4.007	1.073432324	0.0094606%
72	800A-1 B15 TM	[861 - 880] MHz	4.681	0.17871482	0.0001071%	110.0711134	0.09247	0.9337797	0.101813%	40661.42958	42.01	1.125402855	0.1033166%
73	800A-1 B15 CLAR	[880 - 890] MHz	3.223	0.122469519	0.0000738%	110.0711134	0.09247	0.9337797	0.084009%	40904.80565	34.86	0.933862022	0.0852223%
74	800A-2 B15 CLAR	[890 - 891.5] MHz	0.2358	0.008960072	0.0000033%	110.0711134	0.09247	0.9337797	0.02448%	41037.47355	9.428	0.252566011	0.0229741%
75	806B-1 B15 CLAR	[891.5 - 894] MHz	0.5647	0.002457815	0.0000127%	110.5520126	0.0387	0.390799883	0.035006%	41083.51821	14.59	0.390850456	0.0355130%
76	900-1 CEL TM	[894 - 898] MHz	0.012	0.000455983	0.0000003%	110.5305986	0.005642	0.056973982	0.005904%	41158.21325	2.127	0.056980049	0.0051679%
77	900-2 CEL TM	[898 - 902] MHz	0.0123	0.000467383	0.0000003%	111	0.005711	0.057670767	0.005145%	41250	2.153	0.057676561	0.0051949%
78	900 CEL BTEL	[902 - 915] MHz	0.03861	0.001391129	0.0000008%	111.5229349	0.009854	0.099507572	0.008836%	41444.3339	3.715	0.099520867	0.0089638%
79	915M RMT77	[915 - 916] MHz	0.002606	9.90244E-05	0.0000001%	111.951753	0.002629	0.026548144	0.002548%	41603.69109	0.9911	0.026550506	0.0023822%
80	900A B15 TM	[916 - 928] MHz	0.03849	0.001386569	0.0000008%	112.3484757	0.009838	0.099346001	0.00757%	41751.12274	3.709	0.099360133	0.0088836%
81	900A B15 CLAR	[928 - 943] MHz	0.01193	0.000453323	0.0000003%	113.5001762	0.005626	0.056812421	0.004957%	42179.11954	2.121	0.056819316	0.0050286%
82	900-2 B15 TM	[943 - 947] MHz	0.01759	0.000448004	0.0000003%	113.7411535	0.005592	0.056489083	0.00416%	42468.67191	2.108	0.056471016	0.0049871%
83	900 B15 BTEL	[947 - 960] MHz	280.91	10.67418946	0.0058922%	114.2551427	2.7609	27.8800908	2.416510%	42458.33562	1040.4	27.87120044	2.4504018%
84	AMS-A CEL TM	[1710 - 1730] MHz	0.04118	0.004206446	0.0000017%	131.8512196	0.01713	0.172902829	0.012991%	49000.95662	6.459	0.172029684	0.0131814%
85	AMS-B CEL EN	[1730 - 1770] MHz	0.03859	0.002558446	0.0000008%	154.3392367	0.01336	0.105526094	0.006810%	57025.21374	3.94	0.105483715	0.0069093%
86	AMS-C CEL	[1850 - 1865] MHz	0.03936	0.001463636	0.0000004%	155.2237095	0.01012	0.102193651	0.006520%	57684.48665	3.814	0.102177297	0.0066118%
87	AMS-D CEL	[1865 - 1870] MHz	0.01668	0.000481822	0.0000001%	159.8939492	0.005799	0.058594808	0.00367%	59420.0487	2.186	0.058560596	0.0036789%
88	PCS-D CEL EN	[1870 - 1882.5] MHz	0.03337	0.001268014	0.0000001%	160.2680957	0.009409	0.095013777	0.005872%	59550.08962	3.547	0.095020337	0.0059554%
89	PCS-E CEL EN	[1882.5 - 1895] MHz	0.03246	0.001263834	0.0000001%	160.8010805	0.009393	0.094852306	0.005841%	59559.08962	3.541	0.094859593	0.0059256%
90	PCS-F CEL EN	[1895 - 1897.5] MHz	0.03949	0.001326151	0.0000002%	161.1200251	0.004939	0.044331053	0.00275%	59875.15831	1.655	0.044335675	0.0027641%
91	PCS-G CEL BTEL	[1897.5 - 1910] MHz	0.01491	0.000566559	0.0000004%	161.4883396	0.006221	0.097154693	0.005960%	59993.68502	3.627	0.097163441	0.0060456%
92	169A-B15 AFI	[1910 - 1915] MHz	0.01995	0.000660708	0.0000002%	161.8089151	0.006289	0.063507522	0.003807%	60131.69142	2.371	0.063516548	0.0039430%
93	169A-B15 AFI	[1915 - 1920] MHz	0.01995	0.000660708	0.0000002%	162.0209919	0.006504	0.065678633	0.004014%	60210.24863	2.456	0.065686451	0.0040728%
94	169A-B15 AFI	[1920 - 1925] MHz	0.0121	0.000459783	0.0000001%	162.3118994	0.005666	0.057216349	0.003489%	60288.69349	2.136	0.057221115	0.0035430%
95	169A-B15 AFI	[1925 - 1930] MHz	0.01377	0.000532341	0.0000001%	162.4022205	0.006493	0.064033367	0.003720%	60367.0414	2.278	0.064025177	0.0037298%
96	PCS-A B15 CLAR	[1930 - 1945] MHz	1.541	0.055585688	0.0000159%	162.863056	0.06393	0.615073366	0.039254%	60534.43296	24.1	0.645613159	0.0398193%
97	PCS-B B15 CLAR	[1945 - 1960] MHz	7.462	0.283545626	0.0000766%	163.8289068	0.1407	1.420871345	0.086740%	60879.42145	53.04	1.420884728	0.0874102%
98	PCS-C B15 CLAR	[1960 - 1962.5] MHz	1.815	0.06967477	0.0000186%	164.171214	0.06939	0.700134657	0.04240%	60918.58137	26.16	0.70079835	0.0424271%
99	PCS-D B15 CLAR	[1962.5 - 1975] MHz	49.64	1.886250987	0.0000404%	164.712138	0.3829	3.664633438	0.221950%	61009.57276	138.8	3.664761318	0.224271%
100	PCS-E B15 CLAR	[1975 - 1977.5] MHz	48.87	1.6669699	0.0000404%	164.712138	0.38411	3.664633438	0.20738%	61113.67011	128.6	3.664659611	0.207386%
101	PCS-F B15 CLAR	[1977.5 - 1990] MHz	3.754	0.065735642	0.0000176%	164.7854414	0.2156	2.17716893	0.130823%	61241.54936	81.27	2.177136159	0.1379040%
102	AMS-A B15 TM	[2110 - 2130] MHz	1.00	0.14403267	0.0000736%	169.993	0.09892	1.09911122	0.062450%	61000	37.67	1.099138909	0.0617544%
103	AMS-B B15 EN	[2130 - 2150] MHz	1.064	0.14945704	0.0001028%	169	0.15151	1.520157854	0.213938%	61000	194.2	5.203409771	0.3168607%
104	AMS-C B15	[2150 - 2170] MHz	0.194	0.004157045	0.0000109%	169	0.01704	0.170701311	0.010659%	61000	6.633	0.17065353	0.0105985%
105	AMS-D B15	[2300 - 2330] MHz	0.255	0.008461654	0.0000249%	169	0.032	0.355233569	0.016266%	61000	9.689	0.355252921	0.0158839%
106	265-B 3P BW	[2330 - 2360] MHz	0.2727	0.009632646	0.0000234%	169	0.0269	0.261846687	0.016266%	61000	3.776	0.261888558	0.0160626%
107	265-C 3P	[2360 - 2400] MHz	0.0962	0.003496652	0.0000032%	169	0.01562	0.157733574	0.009763%	61000	10.14	0.271693927	0.0166230%
108	265-D 3P	[2400 - 2485] MHz	1.047	0.037845444	0.0000104%	169	0.03271	0.352275655	0.029444%	61000	5.89	0.352295995	0.0292578%
109	265-E 3P	[2485 - 2507.5] MHz	0.0624	0.002371113	0.0000062%	169	0.02187	0.129983715	0.008404%	61000	19.87	0.1299263	0.0079508%
110	265-F 3P	[2507.5 - 2513] MHz	0.0547	0.002078524	0.0000035%	169	0.02105	0.124469971	0.007351%	61000	4.541	0.121648521	0.0074444%
111	265-G 3P	[2513 - 2518.5] MHz	0.0526	0.001963008	0.0000032%	169	0.02132	0.124469971	0.007190%	61000	4.466	0.124461358	0.0072340%
112	265-H 3P	[2518.5 - 2524] MHz	0.05338	0.002239518	0.0000037%	169	0.02124	0.124469971	0.007438%	61000	4.486	0.12017513	0.0073541%
113	265-I 3P	[2524 - 2529.5] MHz	0.0595	0.00253318	0.0000039%	169	0.02148	0.126683326	0.007890%	61000	4.728	0.126685805	0.0077508%
114	265-J 3P	[2529.5 - 2535] MHz	0.0587	0.002390518	0.0000035%	169	0.02154	0.126683326	0.007800%	61000	4.704	0.126015116	0.0077115%
115	265-K 3P	[2535 - 2540.5] MHz	0.0581	0.00204705	0.0000034%	169	0.02195	0.116735985	0.007425%	61000	4.504	0.116719958	0.0071428%
116	265-L 3P	[2540.5 - 2546] MHz	0.05968	0.00191361	0.0000030%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
117	265-M 3P	[2546 - 2551.5] MHz	0.05937	0.002202779	0.0000030%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
118	265-N 3P	[2551.5 - 2557] MHz	0.05446	0.0020269404	0.0000034%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
119	265-O 3P	[2557 - 2562.5] MHz	0.0546	0.00219879	0.0000034%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
120	265-P 3P	[2562.5 - 2568] MHz	0.05446	0.00219879	0.0000034%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
121	265-Q 3P	[2568 - 2624] MHz	0.5326	0.002069404	0.0000033%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
122	265-R 3P	[2624 - 2629.5] MHz	0.5326	0.00213806	0.0000032%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
123	265-S 3P	[2629.5 - 2635] MHz	0.5326	0.00213806	0.0000032%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
124	265-T 3P	[2635 - 2640.5] MHz	0.5326	0.00213806	0.0000032%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
125	265-U 3P	[2640.5 - 2646] MHz	0.5326	0.00213806	0.0000032%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
126	265-V 3P	[2646 - 2651.5] MHz	0.5326	0.00213806	0.0000032%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
127	265-W 3P	[2651.5 - 2657] MHz	0.5326	0.00213806	0.0000032%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
128	265-X 3P	[2657 - 2662.5] MHz	0.5326	0.00213806	0.0000032%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
129	265-Y 3P	[2662.5 - 2668] MHz	0.5326	0.00213806	0.0000032%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
130	265-Z 3P	[2668 - 2690] MHz	0.5326	0.00213806	0.0000032%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
131	265-A 3P	[2690 - 2710] MHz	0.5326	0.00213806	0.0000032%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
132	265-B 3P	[2710 - 2730] MHz	0.5326	0.00213806	0.0000032%	169	0.02124	0.116735985	0.007250%	61000	4.357	0.116738858	0.0071428%
133	265-C 3P	[2730 - 2750] MHz	0.5326	0.00213806	0.0000032%	169</							



**REPORTE DE MEDICIÓN DE RADIACIONES NO IONIZANTES PARA LOS
SISTEMAS DE RADIODIFUSIÓN Y TELEFONÍA MÓVIL EN EL CENTRO DE LA
CIUDAD DE HUANCAYO**

RNI-13

Fecha de Medición	12/29/2018
Hora de Medición	15:18:14
Resolución de Ancho de Banda	50 kHz
Tiempo de promedio de Medición	6 min
Progreso de Medición	100%
N° de Corridas	7
Estándar de Medición	ICNIRP 1998 General Public
Servicio del Área de medición	Perú Provincias 02
Fecha de Calibración de Antena	2/02/2018
Tipo de Antena	Three-Axis Antenna 27MHz - 3GHz
N° de Serie del Dispositivo	M-0090
GPS	Si
Satelites en uso	18
GPS Altitud	3276 m
GPS Latitud	12°4'18.4" S
GPS Longitud	75°12'49.8" W
Comentario	M19



Index	Service	Rango de Frecuencias	DENSIDAD DE POTENCIA (Seq)(W/m ²)			INTENSIDAD DE CAMPO MAGNÉTICO (H)(A/m)			INTENSIDAD DE CAMPO ELÉCTRICO (E)(V/m)				
			ECA (µW/m ²)	Act convert (µW/m ²)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mA/m)	Act convert (mA/m)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mV/m)	Act convert (mV/m)	Distribución Percentual (%)
0	72M TP CW-Band	[16,965 - 27,405] MHz	2000000	0.07156	0.002724884	0.0000316%	0.01378	0.162542111	0.018877%	28000	5.194	0.162542018	0.0185500%
1	810 AMATEUR	[28 - 29.7] MHz	2000000	0.302	0.01498662	0.0000151%	0.0283	0.338858973	0.038767%	28000	10.67	0.33877431	0.0381071%
2	86 AMATEUR	[35 - 54] MHz	2000000	0.3551	0.01351657	0.0000178%	0.03069	0.362048707	0.042041%	28000	10.67	0.362034117	0.0413214%
3	BAND IV UHF	[54 - 88] MHz	2000000	60.38	2.318215978	0.0385406%	0.4019	4.741198288	0.550548%	28000	151.5	4.740550456	0.5410714%
4	BAND II MF	[88 - 108] MHz	2000000	1716	65.34616856	0.0858006%	7.133	25.16291602	3.291819%	28000	804.3	25.16215894	2.8757000%
5	108M TP-BL	[108 - 117.975] MHz	2000000	0.704	0.007168004	0.0000103%	0.03306	0.271487793	0.031863%	28000	8.769	0.271488663	0.0313179%
6	118M TP-M(R)	[117.975 - 137] MHz	2000000	0.3559	0.003176563	0.000017%	0.08064	0.561485859	0.04193%	28000	11.55	0.561408863	0.0411500%
7	133M TP-M	[133 - 144] MHz	2000000	0.6853	0.003180458	0.0000043%	0.01512	0.171837038	0.020712%	28000	5.699	0.175316555	0.0203956%
8	B2 AMATEUR	[144 - 148] MHz	2000000	0.05884	0.002116501	0.0000028%	0.02219	0.149595055	0.016271%	28000	4.388	0.145620216	0.0168587%
9	148M TP-M	[148 - 159] MHz	2000000	0.02386	0.001137022	0.0000035%	0.00889	0.104981146	0.012150%	28000	3.355	0.104960507	0.0119821%
10	150M TP-M	[159.35 - 160.6] MHz	2000000	3.971	0.151209521	0.0000198%	0.1028	1.210388112	0.140498%	28000	36.69	1.210339585	0.1381786%
11	151M TP-M	[157.45 - 160.6] MHz	2000000	0.02038	0.000716059	0.0000010%	0.007353	0.086743048	0.010079%	28000	2.772	0.086737952	0.0103529%
12	161M TP-M	[160.975 - 161.475] MHz	2000000	0.05842	0.001462974	0.0000004%	0.018	0.119149258	0.013808%	28000	3.806	0.11909264	0.0135929%
13	162M TP-M	[162.05 - 174] MHz	2000000	0.007496	0.000628546	0.0000003%	0.00459	0.052626245	0.046588%	28000	6.785	0.052599771	0.0442321%
14	BAND III VHF	[174 - 176] MHz	2000000	105.9	4.02507754	0.0052939%	0.53	6.252388884	0.074607%	28000	199.8	6.251894625	0.07145710%
15	81.25 AMATEUR	[220 - 221] MHz	2000000	0.01464	0.000557468	0.0000001%	0.006331	0.073506859	0.008565%	28000	9.389	0.073502	0.0083899%
16	30M Linc OM-OC	[300 - 310] MHz	2000000	0.7338	0.008902741	0.0000117%	0.02491	0.295862728	0.040123%	28000	6.202	0.194065506	0.0221500%
17	310M Linc FM	[310 - 328.6] MHz	2000000	0.102	0.003884002	0.0000053%	0.01645	0.194059995	0.022534%	28000	6.202	0.194065506	0.0221500%
18	322M TP-M	[320 - 328.6] MHz	2000000	0.03746	0.001197948	0.0000016%	0.009135	0.170785351	0.023609%	28000	3.444	0.170799427	0.0220999%
19	350M TP-M	[335.4 - 380] MHz	2000000	0.2135	0.008129749	0.00000107%	0.0238	0.280797652	0.032603%	28000	8.971	0.280799427	0.0320999%
20	380M (da TP-M)	[380 - 385] MHz	2000000	0.02133	0.000812213	0.0000001%	0.007323	0.088748531	0.010905%	28000	2.856	0.088740601	0.0101286%
21	385M-A1 SP 2o	[385 - 385.25] MHz	2000000	0.001381	5.25863E-05	0.0000001%	0.001314	0.022579382	0.002526%	28000	0.7215	0.022576285	0.0025768%
22	385M-B1 SP 2o	[385.25 - 385.5] MHz	2000000	0.001257	4.79646E-05	0.0000001%	0.001326	0.021541249	0.002501%	28000	0.6885	0.02154369	0.0024589%
23	385M-C1 SP 2o	[385.5 - 385.75] MHz	2000000	0.001019	4.11247E-05	0.0000001%	0.001693	0.019972254	0.002319%	28000	0.6382	0.019979764	0.0022799%
24	385M-D1 SP 2o	[385.75 - 386] MHz	2000000	0.001019	3.88019E-05	0.0000001%	0.001644	0.019394203	0.002325%	28000	0.6197	0.019392685	0.0022132%
25	385M-E1 SP 2o	[390 - 395] MHz	2000000	0.01952	0.000748321	0.0000009%	0.007196	0.084880925	0.009818%	28000	6.197	0.084891838	0.0096899%
26	385M-A-R SP 2o	[395 - 395.25] MHz	2000000	0.0006808	0.000000000	0.0000000%	0.001344	0.015885514	0.000194%	28000	0.5066	0.01588519	0.0018099%
27	385M-B-R SP 2o	[395.25 - 395.5] MHz	2000000	0.0009862	2.259238E-05	0.0000000%	0.001247	0.019049809	0.002207%	28000	0.4701	0.019079787	0.0016789%
28	385M-C-R SP 2o	[395.5 - 395.75] MHz	2000000	0.0009786	3.72836E-05	0.0000000%	0.001611	0.019004903	0.002202%	28000	0.6074	0.019006009	0.0024811%
29	385M-D-R SP 2o	[395.75 - 396] MHz	2000000	0.0009786	4.87404E-05	0.0000001%	0.001843	0.021741798	0.002525%	28000	0.6947	0.021737692	0.0024811%
30	385M-E-R SP 2o	[404.1 - 411.675] MHz	204437.5	0.02466	0.000939015	0.0000012%	0.006868	0.095413814	0.010810%	27803.82941	6.947	0.095405534	0.0109661%
31	408M TP-FM	[411.675 - 420] MHz	2070875	0.02145	0.000816783	0.0000010%	0.007544	0.088989627	0.010619%	27983.23259	6.947	0.088989927	0.010619%
32	412M (da SP AF)	[416.675 - 420] MHz	2091687.5	0.007108	0.00025434	0.0000007%	0.006403	0.057212803	0.007985%	2812.328814	2.78	0.071280356	0.0081000%
33	417M TP-FM	[420 - 421.675] MHz	2104187.5	0.007108	0.000270662	0.0000009%	0.00442	0.051224201	0.005720%	2812.328814	2.78	0.071280356	0.0081000%
34	420M TP-FM	[421.675 - 426.675] MHz	2120875	0.02025	0.00083963	0.0000010%	0.006193	0.090211354	0.010035%	2831.825218	2.883	0.090211267	0.0101805%
35	412M R-SP AF	[426.675 - 430] MHz	2141687.5	0.0141	0.0000986789	0.0000001%	0.006393	0.075417966	0.00849%	28457.43463	2.41	0.075410737	0.0084688%
36	417M R-SP Tronc	[430 - 440] MHz	2175000	0.04006	0.00152423	0.0000018%	0.01026	0.121026681	0.013445%	29005.66578	3.869	0.121069599	0.0133388%
37	807M TP-FM	[440 - 460] MHz	2255750	0.03971	0.000152095	0.0000008%	0.003874	0.045267633	0.004844%	29205.40136	1.447	0.045277733	0.0049375%
38	450M-CH1 SP	[450.525 - 461.775] MHz	2255750	0.005554	0.000211488	0.0000002%	0.003883	0.046342032	0.004688%	29245.83304	1.385	0.046337705	0.0049375%
39	450M-CH2 SP	[461.775 - 463.025] MHz	2262000	0.005554	0.000197443	0.0000002%	0.003874	0.046342032	0.004688%	29245.83304	1.385	0.046337705	0.0049375%
40	453M-G1 SP	[463.025 - 463.35] MHz	226937.5	0.001444	5.49853E-05	0.0000001%	0.001957	0.023086651	0.002485%	29271.27652	0.7379	0.023089453	0.0025029%
41	453M-F1 SP	[463.35 - 454.6] MHz	226937.5	0.005709	0.000237076	0.0000003%	0.003891	0.049042846	0.005148%	29377.00335	1.467	0.049037448	0.0052221%
42	453M-F2 SP	[454.6 - 455.85] MHz	226937.5	0.006226	0.000162405	0.0000001%	0.004064	0.047942846	0.004544%	29377.00335	1.268	0.047937448	0.0048163%
43	453M-F3 SP	[455.85 - 457.1] MHz	226937.5	0.001821	6.93409E-05	0.0000001%	0.002398	0.039673177	0.004536%	29438.12864	0.8268	0.039676686	0.0043163%
44	453M-G2 SP	[457.1 - 457.5] MHz	2286500	0.006555	0.000249604	0.0000007%	0.00417	0.049193324	0.005264%	29438.12864	1.572	0.049188078	0.0053400%
45	453M-G3 SP	[457.5 - 459.2375] MHz	2305750	0.004942	0.000188184	0.0000002%	0.003821	0.047167793	0.004574%	29567.29612	1.365	0.0471189	0.0046228%
46	458M TP-M	[461.775 - 461.775] MHz	2312000	0.004245	0.000161643	0.0000002%	0.00356	0.039595958	0.004118%	29592.46301	1.515	0.039582814	0.0042784%
47	450M-CH1 R SP	[463.35 - 464.6] MHz	231897.5	0.000706	2.68834E-05	0.0000000%	0.001668	0.01618241	0.001189%	29592.46301	0.6947	0.016142904	0.0017433%
48	450M-CH2 R SP	[463.35 - 463.35] MHz	231897.5	0.000706	2.68834E-05	0.0000000%	0.001668	0.01618241	0.001189%	29592.46301	0.6947	0.016142904	0.0017433%
49	453M-F1 R SP	[464.6 - 465.85] MHz	231897.5	0.005147	0.00019599	0.0000007%	0.003895	0.043589768	0.004636%	29617.80852	1.393	0.043588032	0.0047033%
50	453M-F2 R SP	[464.6 - 465.85] MHz	231897.5	0.005147	0.00019599	0.0000007%	0.003895	0.043589768	0.004636%	29617.80852	1.393	0.043588032	0.0047033%
51	453M-F3 R SP	[465.85 - 467.1] MHz	2332375	0.001361	0.000197443	0.0000002%	0.003874	0.043342032	0.004604%	29617.80852	1.385	0.043337705	0.0047033%
52	453M-G2 R SP	[467.1 - 467.5] MHz	2335000	0.001361	5.18248E-05	0.0000001%	0.003706	0.043719534	0.004638%	29697.29444	1.397	0.043713195	0.0047041%
53	453M-G3 R SP	[467.5 - 469.2375] MHz	2342562.5	0.00348	0.000137879	0.0000004%	0.00019	0.022444224	0.00275%	29723.54391	0.7163	0.022413573	0.0024099%
54	BAND IV TV UHF	[467.5 - 469.2375] MHz	2655000	5.391	0.205280919	0.0000046%	0.1196	0.555164945	0.005876%	29765.08066	45.08	0.55508812	0.0059606%
55	BAND V TV UHF	[584 - 692] MHz	3150000	10.36	0.394492732	0.0003248%	0.1658	1.419916435	0.140087%	31565.16078	45.08	1.419687555	0.1428157%
56	CH51 RESERVA	[692 - 821] MHz	3475000	0.0195	0.000665453	0.0000059%	0.006706	0.079110415	0.177408%	34739.66009	62.49	1.955359723	0.1799257%
57	700-G1	[698 - 703] MHz	3502500	0.01534	0.000584123	0.0000044%	0.005179	0.075523808	0.02154%	36383.07074	2.28	0.075534038	0.0216674%
58	700-A CELN	[703 - 718] MHz	3552500	0.04327	0.001647654	0.0000012%	0.006713	0.126345843	0.03518%	36559.90867	4.939	0.126338388	0.0356086%
59	700-B CELN	[718 - 733] MHz	3627500	0.04385	0.001631662	0.0000012%	0.01066	0.125675559	0.03496%	37035.7724	4.019	0.125757573	0.0357502%
60	700-C CELN	[733 - 748] MHz	3702500	0.04261	0.001622523	0.0000012%	0.01063	0.125401686	0.03458%	37415.61374	4.008	0.125411374	0.0351188%
61	700-A B3EN	[758 - 773] MHz	3827500	0.596	0.022694756	0.0000158%	0.3976	0.69047136	0.03883%	39043.00716	14.99	0.69048854	0.0394027%
62	700-B B3EN	[773 - 788] MHz	3902500	1.138	0.042954481	0.0000036%	0.0547	0.646293721	0.052917%	39413.18514	20.62	0.646218514	0.0529764%
63	700-C B3EN	[788 - 803] MHz	3977500	0.									

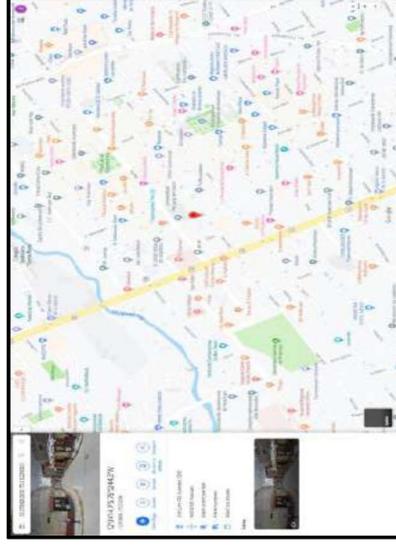
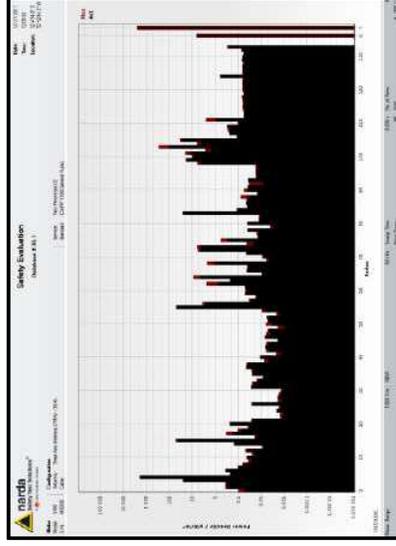
68	800B-1 CEL CLAR	[835 - 845] MHz	0.10189793	0.00006374	107.2361879	0.08425	0.993893893	39851.28605	31.76	0.09794604	0.0796963%
69	800A-2 CEL TM	[845 - 860.5] MHz	0.00457	0.00000013	107.6025906	0.08425	0.993893893	39851.28605	31.76	0.09794604	0.0796963%
70	800A-2 CEL CLAR	[846.5 - 849] MHz	0.00017731	0.00000013	107.6025906	0.08425	0.993893893	39851.28605	31.76	0.09794604	0.0796963%
71	800B-1 B15 TM	[860.5 - 868] MHz	0.00299868	0.00000026	107.7297429	0.00457	0.053912108	40034.70174	1.325	0.053912108	0.0043038%
72	800A-1 B15 TM	[868 - 880] MHz	0.001621761	0.00000106	108.4066314	0.01063	0.125401686	40287.73464	4.001	0.125401686	0.0099460%
73	800A-1 B15 CLAR	[878 - 880] MHz	0.01782452	0.00010711	109.4166208	0.1114	1.31481362	40661.42958	42.07	1.31481362	0.1033166%
74	800A-2 B15 CLAR	[880 - 891.5] MHz	0.012776841	0.00007286	110.0711134	0.09247	1.090864906	40904.80565	34.86	1.090979566	0.0852222%
75	800A-2 B15 CLAR	[891.5 - 894] MHz	0.008978898	0.00000336	110.0711134	0.02501	0.295041974	41037.47355	9.428	0.295009305	0.0239741%
76	800-1 CEL TM	[894 - 898] MHz	0.0215029	0.00001276	110.5201216	0.0387	0.465642358	41083.51821	14.59	0.465633219	0.0355130%
77	900-2 CEL TM	[900 - 915] MHz	0.000456941	0.00000033	110.7630586	0.005642	0.066558449	41158.23125	2.127	0.066555451	0.0051679%
78	900-2 CEL BEL	[902 - 902] MHz	0.000439045	0.00000033	111	0.005531	0.065248887	41250	2.085	0.065241239	0.0050545%
79	915M RMT777	[902 - 915] MHz	0.0003555	0.00000088	111.5229349	0.009711	0.11456028	41444.3339	3.661	0.11455548	0.0088335%
80	915M RMT777	[915 - 916] MHz	0.0003756	0.00000013	111.5229349	0.009711	0.11456028	41444.3339	3.661	0.11455548	0.0088335%
81	900A-2 B15 TM	[916 - 921] MHz	0.0035297	0.00000088	111.5229349	0.009711	0.11456028	41444.3339	3.661	0.11455548	0.0088335%
82	900A-2 B15 TM	[921 - 931] MHz	0.00468746	0.00000036	112.3484757	0.039708	0.50743003	41751.12274	1.19	0.50743003	0.0087662%
83	900A-2 B15 TM	[931 - 943] MHz	0.00135297	0.00000036	113.5001762	0.005714	0.06740783	42179.11954	2.154	0.06740783	0.0051066%
84	900A-2 B15 TM	[943 - 947] MHz	0.000406297	0.00000036	113.7411535	0.005714	0.06740783	42179.11954	2.154	0.06740783	0.0051066%
85	900A-2 B15 TM	[947 - 960] MHz	0.00736014	0.00008936	114.2551427	0.2219	0.662771625	42458.34356	83.64	0.662771625	0.005458%
86	900A-2 B15 TM	[960 - 1300] MHz	0.000474394	0.00000176	114.2551427	0.01685	0.198778779	48000.95662	6.352	0.198778779	0.01596931%
87	AMS-A CEL TM	[1710 - 1730] MHz	0.001549793	0.00000054	153.449666	0.01039	0.122527046	57025.21372	3.917	0.122527046	0.0129630%
88	AMS-B CEL TM	[1730 - 1770] MHz	0.003327415	0.00000049	154.3392367	0.01037	0.124575899	57684.48665	3.982	0.124575899	0.0068188%
89	AMS-C CEL	[1850 - 1865] MHz	0.00160158	0.00000049	155.2237095	0.01056	0.113459859	59760.74533	3.625	0.113459859	0.0069031%
90	PCS-B CEL TM	[1865 - 1870] MHz	0.001327415	0.00000049	159.8939492	0.005631	0.066428683	59420.0487	2.123	0.066430288	0.0061170%
91	PCS-B CEL TM	[1870 - 1882.5] MHz	0.00414728	0.00000049	160.2680957	0.009611	0.11726393	59550.0892	3.746	0.11726393	0.0093729%
92	PCS-E CEL TM	[1882.5 - 1895] MHz	0.00013996	0.00000049	160.8010805	0.009611	0.11726393	59550.0892	3.746	0.11726393	0.0093729%
93	PCS-F CEL TM	[1895 - 1897.5] MHz	0.001328938	0.00000049	161.2000551	0.00493	0.051786521	59757.15831	3.642	0.051786521	0.0060947%
94	169A-G1 SP AFI	[1910 - 1915] MHz	0.00056775	0.00000026	161.4883396	0.006221	0.11348654	59875.68502	1.655	0.11348654	0.0060456%
95	169A-S SP AFI	[1915 - 1920] MHz	0.000607351	0.00000026	161.8089151	0.005289	0.07419032	60131.69142	2.371	0.07419032	0.0063943%
96	169A-S SP AFI	[1920 - 1925] MHz	0.000460749	0.00000026	162.0209919	0.005004	0.076727429	60210.24863	2.452	0.076727429	0.0040728%
97	169A-G2 SP AFI	[1925 - 1945] MHz	0.00054344	0.00000013	162.4422205	0.005664	0.066841576	60328.69349	2.136	0.066837068	0.0035430%
98	PCS-A B15 CLAR	[1945 - 1945] MHz	5.38810254	0.00146066	162.4630554	0.6127	0.07128903	60367.0414	2.278	0.07128903	0.0037258%
99	PCS-B B15 CLAR	[1945 - 1962.5] MHz	3.42	0.03514026	163.2680958	0.9528	11.24014864	60523.43296	231	7.225166042	0.3616704%
100	PCS-C B15 CLAR	[1962.5 - 1975] MHz	1.815	0.00001866	163.2680958	0.69939	0.818591026	60679.42145	359.2	11.23964174	0.5919633%
101	PCS-E B15 CLAR	[1975 - 1977.5] MHz	0.0019211	0.00000036	164.171214	0.3629	4.281116842	60815.58317	26.16	0.8010153%	0.0640153%
102	PCS-F B15 CLAR	[1977.5 - 1980] MHz	0.00086844	0.00000036	164.171214	0.4578	5.400648361	61116.67101	172.6	4.38057653	0.2427271%
103	AMS-A B15 TM	[2110 - 2130] MHz	54.39	0.00097584	169.7854414	0.9798	4.480485469	61241.54936	148.2	4.480837131	0.2383828%
104	AMS-B B15 TM	[2130 - 2150] MHz	3.764	0.00037584	169.7854414	0.99893	1.179752008	61000	37.67	1.79727008	0.0517644%
105	AMS-C B15 TM	[2150 - 2170] MHz	5.975	0.00091536	169.7854414	1.0369	1.485337784	61000	47.46	1.485095659	0.0769033%
106	AMS-D B15 TM	[2170 - 2190] MHz	11.115	0.00011336	169.7854414	1.0369	1.485337784	61000	47.46	1.485095659	0.0769033%
107	AMS-E B15 TM	[2190 - 2300] MHz	0.008841816	0.00002326	169.7854414	0.0482	0.292860651	61000	9.357	0.92787661	0.0153939%
108	265-B 3P BW	[2300 - 2360] MHz	0.029779718	0.00002444	169.7854414	0.0294	0.295996957	61000	9.385	0.295921955	0.0183197%
109	265-C 3P	[2360 - 2400] MHz	0.00101664	0.00000036	169.7854414	0.01587	0.131577718	61000	3.984	0.131499357	0.0069659%
110	265-D 3P	[2400 - 2485] MHz	0.00516691	0.00000036	169.7854414	0.04804	0.566725966	61000	18.11	0.566725966	0.0096885%
111	265-E 3P	[2485 - 2507.5] MHz	0.03128251	0.00000036	169.7854414	0.04804	0.566725966	61000	18.11	0.566725966	0.0096885%
112	265-A1 SP	[2507.5 - 2513] MHz	0.001828215	0.00000036	169.7854414	0.01127	0.132921741	61000	4.248	0.132923157	0.0069659%
113	265-A2 SP	[2513 - 2518] MHz	0.001898211	0.00000036	169.7854414	0.0115	0.13625489	61000	4.356	0.13625489	0.0071295%
114	265-A3 SP	[2518.5 - 2524] MHz	0.001963225	0.00000036	169.7854414	0.0117	0.138044454	61000	4.409	0.138086133	0.0072340%
115	265-B1 SP	[2524.5 - 2529.5] MHz	0.001967133	0.00000036	169.7854414	0.0115	0.13625489	61000	4.356	0.13625489	0.0071295%
116	265-B2 SP	[2529.5 - 2535] MHz	0.001916488	0.00000036	169.7854414	0.0115	0.13625489	61000	4.356	0.13625489	0.0071295%
117	265-B3 SP	[2535 - 2540.5] MHz	0.002160571	0.00000036	169.7854414	0.01227	0.144748701	61000	4.625	0.144719775	0.0075820%
118	265-C1 SP	[2540.5 - 2546] MHz	0.004814	0.00000048	169.7854414	0.0113	0.13330585	61000	4.26	0.133298646	0.0069898%
119	265-C2 SP	[2546 - 2551.5] MHz	0.005019	0.00000036	169.7854414	0.01154	0.13613692	61000	4.35	0.136114815	0.0071311%
120	265-C3 SP	[2551.5 - 2557] MHz	0.001911157	0.00000036	169.7854414	0.01229	0.14498464	61000	4.634	0.145001392	0.0075967%
121	265-D1 SP	[2557 - 2562.5] MHz	0.002090126	0.00000036	169.7854414	0.01207	0.142389309	61000	4.549	0.142341677	0.0074574%
122	265-D2 SP	[2562.5 - 2568] MHz	0.001979699	0.00000036	169.7854414	0.01174	0.138496312	61000	4.427	0.138524204	0.0075748%
123	265-D3 SP	[2568 - 2624] MHz	0.020596633	0.00000524	169.7854414	0.03788	0.446868851	61000	14.28	0.446832083	0.0334098%
124	265-E1 SP	[2624 - 2629.5] MHz	0.002059941	0.00000524	169.7854414	0.01282	0.151237029	61000	4.833	0.151228233	0.0079230%
125	265-E2 SP	[2629.5 - 2635] MHz	0.002074514	0.00000524	169.7854414	0.01202	0.141799461	61000	4.532	0.141809754	0.0074495%
126	265-E3 SP	[2635 - 2640.5] MHz	0.002074514	0.00000524	169.7854414	0.01202	0.141799461	61000	4.532	0.141747152	0.0074262%
127	265-E4 SP	[2640.5 - 2646] MHz	0.002074514	0.00000524	169.7854414	0.01202	0.141799461	61000	4.532	0.141747152	0.0074262%
128	265-F1 SP	[2646 - 2651.5] MHz	0.002074514	0.00000524	169.7854414	0.01202	0.141799461	61000	4.532	0.141747152	0.0074262%
129	265-F2 SP	[2651.5 - 2657] MHz	0.002074514	0.00000524	169.7854414	0.01202	0.141799461	61000	4.532	0.141747152	0.0074262%
130	265-F3 SP	[2657 - 2662.5] MHz	0.002074514	0.00000524	169.7854414	0.01202	0.141799461	61000	4.532	0.141747152	0.0074262%
131	265-G1 SP	[2662.5 - 2668] MHz	0.002074514	0.00000524	169.7854414	0.01202	0.141799461	61000	4.532	0.141747152	0.0074262%
132	265-G2 SP	[2668 - 2698] MHz	0.0287	0.00002906	169.7854414	0.0272	0.327011738	61000	10.45	0.326988464	0.0083164%
133	265-G3 SP	[2698 - 2704] MHz	6.361	0.00010606	169.7854414	0.1299	1.532425125	61000	48.97	1.532306619	0.0802787%
Others											
Máximo 1716 65.34261856 2.133 25.16291602 2.921918% 804.3 25.16715994 2.87259000%											
Mínimo 0.0005862 2.23216E-05 0.001247 0.014710809 0.001708% 0.4701 0.014709787 0.0016789%											
Total 2626.157381 100 8.71676 8.307210% 3195.8314 100% 8.2642075%											



**REPORTE DE MEDICIÓN DE RADIACIONES NO IONIZANTES PARA LOS
SISTEMAS DE RADIODIFUSIÓN Y TELEFONÍA MÓVIL EN EL CENTRO DE LA
CIUDAD DE HUANCAYO**

RNI-14

Fecha de Medición	12/29/2018
Hora de Medición	12:09:36
Resolución de Ancho de Banda	50 kHz
Tiempo de promedio de Medición	6 min
Progreso de Medición	100%
N° de Corridas	8
Estándar de Medición	ICNIRP 1998 General Public
Servicio del Área de medición	Perú Provincias 02
Fecha de Calibración de Antena	2/02/2018
Tipo de Antena	Three-Axis Antenna 27MHz - 3GHz
N° de Serie del Dispositivo	M-0090
GPS	Si
Satelites en uso	18
GPS Altitud	3275 m
GPS Latitud	12°4'14.9" S
GPS Longitud	75°12'44.3" W
Comentario	M20-2



Index	Service	Rango de Frecuencias	DENSIDAD DE POTENCIA (Seq)(W/m ²)			INTENSIDAD DE CAMPO MAGNÉTICO (H)(A/m)			INTENSIDAD DE CAMPO ELÉCTRICO (E)(V/m)				
			ECA (µW/m ²)	Act convert (µW/m ²)	Distribución Porcentual (%)	% del valor Act respecto del ECA	ECA (mA/m)	Act convert (mA/m)	Distribución Porcentual (%)	% del valor Act respecto del ECA	ECA (mV/m)	Act convert (mV/m)	Distribución Porcentual (%)
0	72M TP CW-Band	[65.965 - 27.405] MHz	2000000	0.05463	0.00264	0.0000027%	0.00264	73	0.01204	0.00264	28000	4.538	0.0162073%
1	B10 AMATEUR	[28 - 29.7] MHz	2000000	0.3003	0.014	0.0000015%	0.014	73	0.03822	0.014	28000	10.64	0.0380000%
2	B6 AMATEUR	[50 - 51] MHz	2000000	0.3215	0.016	0.0000015%	0.016	73	0.0392	0.016	28000	11.01	0.0393214%
3	BAND IV UHF	[54 - 88] MHz	2000000	2453	0.001245%	0.0000015%	0.001245%	73	0.2551	0.001245%	28000	96.16	0.3484988%
4	BAND II HF	[188 - 198] MHz	2000000	1716	87.78	0.8858002%	87.78	73	2133	87.78	28000	804.3	2.8750000%
5	108M TP-BLA	[108 - 117.975] MHz	2000000	0.2079	0.017	0.0000014%	0.017	73	0.03349	0.017	28000	8.654	0.0316104%
6	118M TP-M(R)	[117.975 - 137] MHz	2000000	0.3409	0.017	0.0000014%	0.017	73	0.03016	0.017	28000	11.37	0.0466971%
7	133M TP-F(M)	[133 - 143] MHz	2000000	0.09128	0.0044	0.0000046%	0.0044	73	0.01556	0.0044	28000	5.866	0.0169504%
8	B2 AMATEUR	[144 - 148] MHz	2000000	0.05353	0.00255	0.0000023%	0.00255	73	0.01185	0.00255	28000	4.468	0.0159571%
9	148M TP-F(M)	[148 - 149.5] MHz	2000000	0.02974	0.00124	0.0000033%	0.00124	73	0.00665	0.00124	28000	3.115	0.0111250%
10	148M TP-F(M)	[150.05 - 152.35] MHz	2000000	0.0407	0.00196	0.0000020%	0.00196	73	0.01039	0.00196	28000	3.317	0.0138695%
11	150M TP-F(M)	[154.35 - 156] MHz	2000000	0.01857	0.0009	0.0000009%	0.0009	73	0.007019	0.0009	28000	2.646	0.0094500%
12	157M TP-F(M)	[157.45 - 160.6] MHz	2000000	0.04012	0.00194	0.0000020%	0.00194	73	0.01032	0.00194	28000	3.889	0.0138695%
13	161M TP-F(M)	[160.975 - 161.475] MHz	2000000	0.07504	0.0036	0.0000036%	0.0036	73	0.01892	0.0036	28000	7.134	0.0254786%
14	162M TP-F(M)	[162.05 - 174] MHz	2000000	0.135	0.00651	0.0000068%	0.00651	73	0.3324	0.00651	28000	125.3	0.4479000%
15	BAND III VHF	[174 - 176] MHz	2000000	41.85	2.09	0.0020825%	2.09	73	0.06537	2.09	28000	2.389	0.0085321%
16	B1.25 AMATEUR	[220 - 221] MHz	2000000	0.01514	0.00073	0.0000008%	0.00073	73	0.02178	0.00073	28000	8.212	0.0093286%
17	30M Linc-OM-OC	[320 - 322] MHz	2000000	0.1789	0.0065	0.0000044%	0.0065	73	0.03347	0.0065	28000	5.078	0.0181357%
18	310M Linc-F(M)	[322 - 328.6] MHz	2000000	0.05179	0.00153	0.0000016%	0.00153	73	0.009183	0.00153	28000	3.462	0.0123643%
19	322M TP-F(M)	[322 - 328.6] MHz	2000000	0.05179	0.00153	0.0000016%	0.00153	73	0.009183	0.00153	28000	3.462	0.0123643%
20	350M TP-F(M)	[350 - 350] MHz	2000000	0.02158	0.00121	0.00000107%	0.00121	73	0.02382	0.00121	28000	8.979	0.0320679%
21	380M Linc-TP-M	[380 - 385] MHz	2000000	0.02508	0.00121	0.00000107%	0.00121	73	0.008157	0.00121	28000	3.075	0.0109821%
22	385M-A1 SP 2o	[385 - 385.25] MHz	2000000	0.001222	0.00006	0.00000013%	0.00006	73	0.0018	0.00006	28000	0.6786	0.0024236%
23	385M-A1 SP 2o	[385.25 - 385.5] MHz	2000000	0.001054	0.00005	0.00000013%	0.00005	73	0.001672	0.00005	28000	0.6305	0.0022518%
24	385M-C1 SP 2o	[385.5 - 385.75] MHz	2000000	0.002108	0.0001	0.00000014%	0.0001	73	0.002365	0.0001	28000	0.8914	0.0031836%
25	385M-D1 SP 2o	[385.75 - 386] MHz	2000000	0.001496	0.00007	0.00000014%	0.00007	73	0.001992	0.00007	28000	0.751	0.0026821%
26	380M Ret-TP-M	[390 - 395] MHz	2000000	0.02335	0.00113	0.0000012%	0.00113	73	0.00787	0.00113	28000	2.67	0.005964%
27	380M-A-R SP 2o	[395 - 395.25] MHz	2000000	0.001191	0.00006	0.00000014%	0.00006	73	0.001777	0.00006	28000	0.67	0.0023929%
28	385M-B-R SP 2o	[395.25 - 395.5] MHz	2000000	0.001788	0.00009	0.00000014%	0.00009	73	0.002278	0.00009	28000	0.821	0.0029321%
29	385M-C-R SP 2o	[395.5 - 395.75] MHz	2000000	0.001369	0.00007	0.00000014%	0.00007	73	0.001905	0.00007	28000	0.7183	0.0025654%
30	385M-D-R SP 2o	[395.75 - 396] MHz	2000000	0.001181	0.00006	0.00000014%	0.00006	73	0.001672	0.00006	28000	0.6786	0.0024236%
31	408M TP-F(M)-ma	[411.675 - 411.675] MHz	204437.5	0.02785	0.00134	0.0000014%	0.00134	73	0.008594	0.00134	27803.82941	3.24	0.0116531%
32	412M Linc SP AFI	[416.675 - 416.675] MHz	2070875	0.02044	0.00099	0.0000010%	0.00099	75	0.2977258	0.00099	27983.02359	2.76	0.0099203%
33	417M TP-Fonic	[421.675 - 421.675] MHz	2091687.5	0.01857	0.00096	0.0000007%	0.00096	75	0.28121173	0.00096	2812.328814	2.27	0.00066
34	420M TP-F(M)-ma	[420 - 421.675] MHz	2104187.5	0.00746	0.00036	0.0000004%	0.00036	75	9.90299978	0.00036	2812.19586	1.677	0.0059453%
35	412M Ret SP AFI	[421.675 - 426.675] MHz	2120875	0.02223	0.00107	0.0000007%	0.00107	76	20.0338411	0.00107	2831.882518	2.895	0.0102229%
36	417M R SP Tonic	[426.675 - 430] MHz	2141687.5	0.025	0.00121	0.0000012%	0.00121	76	7.7638956	0.00121	28457.48462	3.07	0.0107800%
37	B07** AMATEUR	[430 - 440] MHz	2175000	0.04091	0.00197	0.0000019%	0.00197	76	11.686192	0.00197	28677.89972	3.927	0.0136959%
38	440M TP-F(M)-ma	[440 - 460] MHz	2255750	0.03954	0.00191	0.0000018%	0.00191	76	15.518551	0.00191	29005.40136	3.861	0.0133112%
39	450M-CH1 SP	[450.525 - 451.775] MHz	2255750	0.04827	0.00223	0.0000020%	0.00223	79	0.5151959	0.00223	29337.00335	1.34	0.0045759%
40	450M-CH2 SP	[451.775 - 463.025] MHz	2262000	0.01089	0.00053	0.0000005%	0.00053	78	5.8900003	0.00053	29245.83304	2.026	0.0069775%
41	453M-G1 SP	[453.025 - 453.35] MHz	226937.5	0.00167	0.00006	0.0000001%	0.00006	78	7.6634354	0.00006	29271.27652	0.6911	0.0036106%
42	453M-F1 SP	[453.35 - 454.6] MHz	2269875	0.004763	0.00023	0.0000023%	0.00023	78	8.83474963	0.00023	29296.6575	1.571	0.0053550%
43	453M-F2 SP	[454.6 - 455.85] MHz	2276125	0.00647	0.00032	0.000003%	0.00032	78	9.4320902	0.00032	29337.00335	1.34	0.0046129%
44	453M-G2 SP	[455.85 - 457.1] MHz	2282375	0.00487	0.00023	0.0000023%	0.00023	79	0.5151959	0.00023	29377.2359	1.355	0.0046129%
45	453M-CH1 R SP	[457.1 - 457.5] MHz	2286500	0.01846	0.0009	0.0000009%	0.0009	79	12.229335	0.0009	29403.78908	1.58	0.0039895%
46	453M-CH2 R SP	[457.5 - 459.2375] MHz	231843.75	0.006622	0.00032	0.000003%	0.00032	79	21.532798	0.00032	29438.12864	1.58	0.003672%
47	450M-CH1 R SP	[460.525 - 461.775] MHz	2305750	0.03681	0.0018	0.0000018%	0.0018	79	45.529246	0.0018	29527.29612	1.327	0.0044881%
48	450M-CH2 R SP	[461.775 - 463.025] MHz	2312000	0.04671	0.0023	0.0000023%	0.0023	79	56.2905774	0.0023	29592.29612	1.327	0.0044881%
49	453M-F1 R SP	[463.025 - 463.35] MHz	231937.5	0.003447	0.00017	0.0000017%	0.00017	79	6.9629201	0.00017	29617.60852	1.14	0.0038491%
50	453M-F2 R SP	[463.35 - 464.6] MHz	2319875	0.00922	0.00047	0.0000047%	0.00047	79	8.055781	0.00047	29617.60852	1.14	0.0038491%
51	453M-F3 R SP	[464.6 - 465.85] MHz	2321625	0.005022	0.00024	0.0000024%	0.00024	79	9.1271958	0.00024	29697.29444	1.306	0.0043977%
52	453M-G2 R SP	[465.85 - 467.1] MHz	2323375	0.004524	0.00022	0.0000022%	0.00022	79	9.8335452	0.00022	29723.54391	0.7683	0.0025848%
53	453M-G3 R SP	[467.1 - 467.5] MHz	2336500	0.001566	0.00008	0.0000008%	0.00008	80	0.80705342	0.00008	29765.08066	1.623	0.005452%
54	468M TP-F(M)	[467.5 - 469.525] MHz	2342562.5	0.04987	0.0034	0.0001823%	0.0034	84	93.89781	0.0034	315.6516078	134.6	0.4264195%
55	BAND IV TV UHF	[470 - 584] MHz	2655000	48.06	2.318	0.0018239%	2.318	93	45.7054892	0.0018239%	34739.66009	30.73	0.0884809%
56	BAND V TV UHF	[584 - 692] MHz	3150000	2.505	0.121	0.0000765%	0.121	93	5.4254986	0.000765%	36248.9224	3.192	0.0088055%
57	CH51 RESERVA	[692 - 698] MHz	3475000	0.02703	0.0013	0.0000008%	0.0013	97	92.775338	0.0013	36392.07074	2.385	0.0065538%
58	700-G1	[698 - 703] MHz	3502500	0.01509	0.00073	0.0000004%	0.00073	97	12.9275338	0.00073	36592.07074	2.385	0.0065538%
59	700-A CELN	[703 - 718] MHz	3552500	0.04524	0.00218	0.0000013%	0.00218	98	62.4241672	0.00218	36592.07074	4.13	0.0112688%
60	700-B CELN	[718 - 733] MHz	3627500	0.04932	0.00209	0.0000012%	0.00209	99	65.988667	0.00209	37053.7724	4.041	0.0109111%
61	700-C CELN	[733 - 748] MHz	3702500	0.04715	0.00227	0.0000013%	0.00227	100	68.649797	0.00227	37416.67827	4.216	0.0112677%
62	700-A BTS EN	[758 - 773] MHz	3827500	0.02163	0.0013	0.0000005%	0.0013	100	30.703815	0.0013	38048.02716	16.56	0.0352986%
63	700-B BTS EN	[773 - 788] MHz	3902500	0.01163	0.0007	0.0000002%	0.0007	100	36.684813	0.0007	38413.96657	8.967	0.0233481%
64	700-C BTS EN	[788 - 803] MHz	3977500	0.0093	0.0005	0.0000001%	0.0005	100	36.979853	0.0005	38781.38813	4.12	0.0129567%
65	700-G2	[803 - 808] MHz	4071500	0.009157	0.00044	0.0000004%	0.00044	104	35.945721	0.00044	39009.10016	1.858	0.0047644%
66	800 CELN	[808 - 821] MHz	4677500	0.03987	0.00192	0.0000010%	0.00192	105	53.11692	0.00192	39211.64152	3.877	0.0088655%
67	800A - LCLTNI	[824 - 835] MHz	447500	0.03421	0.00165	0.0000008%	0.00165	106	36.585841	0.00165	39601.43227	3.951	0.0090679%

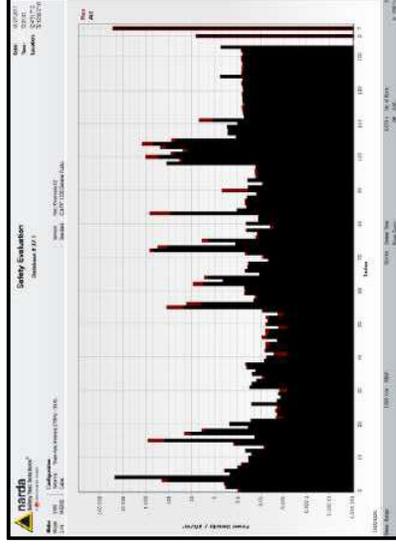
68	800B-1 CEL CLAR	[895 - 845] MHz	1.115	0.054	0.0000265%	107.2361879	0.05438	0.054	0.050710%	39851.28605	20.5	0.054	0.0514413%
69	800A-2 CEL CLAR	[845 - 846.5] MHz	0.00021	0.00021	0.0000001%	107.6025906	0.003411	0.00021	0.003170%	39987.4492	1.286	0.00021	0.0032160%
70	800B-2 CEL CLAR	[846.5 - 849] MHz	0.00487	0.00039	0.0000002%	107.7297429	0.004653	0.00039	0.004190%	40034.70174	1.754	0.00039	0.0043812%
71	800 - 815M	[851 - 860] MHz	4.016	0.00194	0.0000009%	108.4166314	0.01034	0.00194	0.009938%	40287.42568	3.898	0.00194	0.0096754%
72	800A-1 BIS TM	[860 - 880] MHz	4.579	0.218	0.0001033%	109.4106208	0.1094	0.218	0.099855%	40661.73494	41.26	0.218	0.1014721%
73	800A-1 BIS CLAR	[880 - 890] MHz	4.579	0.221	0.0001035%	110.0711134	0.1102	0.221	0.100117%	40904.80565	41.55	0.221	0.1015773%
74	800A-2 BIS CLAR	[890 - 891.5] MHz	0.02059	0.00099	0.0000005%	110.4281101	0.00739	0.00099	0.006692%	41037.47355	2.786	0.00099	0.0067889%
75	800B-2 BIS CLAR	[891.5 - 894] MHz	0.2936	0.014	0.0000066%	110.5520126	0.02791	0.014	0.025246%	41083.51821	10.52	0.014	0.0256064%
76	900-1 CEL TM	[894 - 898] MHz	0.0175	0.0066	0.0000003%	110.7330586	0.00664	0.0066	0.005454%	41158.23125	2.277	0.0066	0.0055323%
77	900-2 CEL TM	[898 - 902] MHz	0.0176	0.0062	0.0000003%	111	0.005817	0.0062	0.005241%	41250	2.193	0.0062	0.0053164%
78	900-2 CEL TEL	[902 - 915] MHz	0.03859	0.00186	0.0000008%	111.5229349	0.01012	0.00186	0.009074%	41444.3339	3.814	0.00186	0.0092027%
79	915M RMT77	[915 - 916] MHz	0.00365	0.00015	0.0000001%	111.951753	0.00282	0.00015	0.002489%	41603.69109	1.075	0.00015	0.0025839%
80	900-1 BIS TM	[916 - 921] MHz	0.03594	0.00173	0.0000008%	112.3484757	0.00976	0.00173	0.008691%	41751.12274	3.681	0.00173	0.0088165%
81	900-2 BIS TM	[921 - 943] MHz	0.01214	0.00059	0.0000003%	113.5001762	0.005674	0.00059	0.004999%	42179.11954	2.139	0.00059	0.0050712%
82	900-2 BIS TM	[943 - 947] MHz	0.01017	0.00049	0.0000002%	113.7411535	0.005194	0.00049	0.004567%	42268.67191	1.958	0.00049	0.0046323%
83	900 BIS BTEL	[947 - 960] MHz	25.35	1.223	0.0000317%	114.2515427	0.2593	1.223	0.222655%	42458.34356	97.75	1.223	0.2320225%
84	80.23 - AMATEUR	[1240 - 1300] MHz	0.1129	0.00545	0.0000001%	131.8571196	0.01731	0.00545	0.013128%	49000.95662	6.524	0.00545	0.0133140%
85	AMS-A CEL TM	[1710 - 1730] MHz	0.04095	0.00198	0.0000005%	153.449666	0.01042	0.00198	0.006791%	57025.21372	3.929	0.00198	0.0069740%
86	AMS-B CEL TM	[1730 - 1770] MHz	0.04044	0.00197	0.0000005%	154.3392367	0.01061	0.00197	0.006746%	57255.79744	4	0.00197	0.0068625%
87	AMS-C CEL	[1850 - 1865] MHz	0.0377	0.0182	0.0000004%	159.2657095	0.01041	0.0182	0.006271%	57684.48665	3.77	0.0182	0.0068676%
88	PCS-A CEL CLAR	[1865 - 1870] MHz	0.01409	0.00068	0.0000002%	159.8939492	0.006114	0.00068	0.003824%	59420.4487	2.305	0.00068	0.0038792%
89	PCS-B CEL CLAR	[1870 - 1882.5] MHz	0.0382	0.00184	0.0000004%	160.2680957	0.01007	0.00184	0.006283%	59559.08962	3.795	0.00184	0.0063718%
90	PCS-C CEL CLAR	[1882.5 - 1895] MHz	0.03857	0.00176	0.0000004%	160.8010805	0.00949	0.00176	0.006125%	59757.15831	3.713	0.00176	0.0062135%
91	PCS-E CEL CLAR	[1895 - 1897.5] MHz	0.007948	0.00038	0.0000001%	161.1200251	0.00452	0.00038	0.002850%	59875.68502	1.731	0.00038	0.0028910%
92	PCS-F CEL CLAR	[1897.5 - 1910] MHz	0.03958	0.00174	0.0000004%	161.4383396	0.009769	0.00174	0.009392%	59993.691756	3.683	0.00174	0.0091389%
93	169H-G1 SP AFI	[1910 - 1915] MHz	0.01573	0.00659	0.0000002%	161.8089151	0.00659	0.00659	0.006192%	60131.69142	2.435	0.00659	0.00640494%
94	169H-A SP AFI	[1915 - 1920] MHz	0.01481	0.00628	0.0000002%	162.0202919	0.00628	0.00628	0.005969%	60210.24863	2.363	0.00628	0.0059246%
95	169H-B SP AFI	[1920 - 1925] MHz	0.01491	0.00627	0.0000002%	162.2313934	0.00628	0.00627	0.005987%	60288.69349	2.371	0.00627	0.0059327%
96	169H-C SP AFI	[1925 - 1930] MHz	0.01469	0.00627	0.0000002%	162.4422205	0.006242	0.00627	0.005943%	60367.0414	2.353	0.00627	0.0059878%
97	PCS-A BIS CLAR	[1930 - 1945] MHz	0.1199	0.0046	0.0000026%	162.863056	0.01046	0.0046	0.004262%	60523.43296	39.44	0.1199	0.0651648%
98	PCS-B BIS CLAR	[1945 - 1960] MHz	19.08	0.92	0.0001959%	163.2823068	0.225	0.92	0.137798%	60679.42145	84.81	0.92	0.1397673%
99	PCS-B BIS TM	[1960 - 1962.5] MHz	8.991	0.432	0.0000915%	163.6493058	0.1541	0.432	0.084165%	60815.98317	58.09	0.432	0.0955183%
100	PCS-F BIS CLAR	[1962.5 - 1975] MHz	12.18	0.588	0.0001237%	164.171214	0.1798	0.588	0.109520%	61009.57276	67.77	0.588	0.1106809%
101	PCS-F BIS CLAR	[1975 - 1977.5] MHz	1.49	0.072	0.0000151%	164.4882338	0.06387	0.072	0.038323%	61116.67011	6.072	0.072	0.0387728%
102	PCS-G BIS BTEL	[1977.5 - 1990] MHz	107.3	5.175	0.0001838%	164.7954414	0.5384	5.175	0.332674%	61241.54916	20.11	5.175	0.33883718%
103	AMS-A BIS TM	[2110 - 2130] MHz	4.053	0.196	0.0001453%	160	0.1037	0.196	0.054813%	61000	39.09	0.196	0.0540820%
104	AMS-B BIS TM	[2130 - 2150] MHz	0.115	1.358	0.000113%	160	0.1723	1.358	0.170750%	61000	103	1.358	0.1588953%
105	AMS-C BS	[2150 - 2170] MHz	0.115	0.0043	0.0000013%	160	0.0178	0.0043	0.010800%	61000	6.33	0.0043	0.0106770%
106	265-B 3P BW	[2390 - 2390] MHz	0.2389	0.011	0.0000230%	160	0.0471	0.011	0.015279%	61000	9.317	0.011	0.0152798%
107	265-C 3P	[2390 - 2390] MHz	0.2419	0.012	0.0000240%	160	0.0253	0.012	0.015831%	61000	9.949	0.012	0.0156441%
108	265-D 3P	[2390 - 2390] MHz	0.2897	0.014	0.0000282%	160	0.0272	0.014	0.017323%	61000	10.45	0.014	0.0171511%
109	265-E 3P	[2390 - 2400] MHz	0.09137	0.0044	0.0000031%	160	0.0157	0.0044	0.009717%	61000	5.899	0.0044	0.0096215%
110	264 7711b-g	[2400 - 2483.5] MHz	0.3786	0.042	0.0000379%	160	0.04828	0.042	0.030179%	61000	18.2	0.042	0.0298951%
111	265-A1 SP	[2502 - 2507.5] MHz	0.05154	0.00249	0.0000026%	160	0.01169	0.00249	0.007306%	61000	4.408	0.00249	0.0072262%
112	265-A2 SP	[2507.5 - 2513] MHz	0.05523	0.00266	0.0000035%	160	0.0121	0.00266	0.007363%	61000	4.593	0.00266	0.0074803%
113	265-A3 SP	[2513.5 - 2518.5] MHz	0.05598	0.0026	0.0000034%	160	0.01197	0.0026	0.007481%	61000	4.511	0.0026	0.0073951%
114	265-B1 SP	[2518.5 - 2524] MHz	0.05246	0.00257	0.0000033%	160	0.01189	0.00257	0.007481%	61000	4.481	0.00257	0.0073495%
115	265-B2 SP	[2524.5 - 2529.5] MHz	0.06068	0.0029	0.0000036%	160	0.01197	0.0029	0.007888%	61000	4.759	0.0029	0.0078018%
116	265-B3 SP	[2529.5 - 2535] MHz	0.05939	0.0026	0.0000034%	160	0.01196	0.0026	0.007475%	61000	4.509	0.0026	0.0073918%
117	265-C1 SP	[2535 - 2540.5] MHz	0.06024	0.00299	0.0000036%	160	0.01283	0.00299	0.008019%	61000	4.856	0.00299	0.0079279%
118	265-C2 SP	[2540.5 - 2546] MHz	0.05236	0.00262	0.0000032%	160	0.01179	0.00262	0.007500%	61000	4.524	0.00262	0.0074164%
119	265-D1 SP	[2546 - 2551.5] MHz	0.0584	0.00282	0.0000038%	160	0.01245	0.00282	0.007781%	61000	4.443	0.00282	0.007859%
120	265-D2 SP	[2551.5 - 2557] MHz	0.06068	0.00293	0.0000038%	160	0.01269	0.00293	0.007931%	61000	4.692	0.00293	0.0076918%
121	265-D3 SP	[2562.5 - 2568] MHz	0.05516	0.00266	0.0000035%	160	0.0121	0.00266	0.007563%	61000	4.783	0.00266	0.0078410%
122	265-E1 SP	[2568 - 2624] MHz	0.5523	0.027	0.0000552%	160	0.0121	0.027	0.003925%	61000	4.56	0.027	0.0036557%
123	265-E2 SP	[2624 - 2629.5] MHz	0.06058	0.00292	0.0000036%	160	0.01268	0.00292	0.007925%	61000	14.43	0.00292	0.0073657%
124	265-E3 SP	[2629.5 - 2635] MHz	0.06163	0.00297	0.0000036%	160	0.01279	0.00297	0.007925%	61000	14.79	0.00297	0.0078344%
125	265-E4 SP	[2635 - 2640.5] MHz	0.06309	0.00304	0.0000037%	160	0.01294	0.00304	0.008088%	61000	4.82	0.00304	0.0079016%
126	265-F1 SP	[2640.5 - 2646] MHz	0.06336	0.00302	0.0000036%	160	0.01201	0.00302	0.007506%	61000	4.877	0.00302	0.0079951%
127	265-F2 SP	[2646 - 2651.5] MHz	0.06358	0.00307	0.0000036%	160	0.01299	0.00307	0.008119%	61000	4.527	0.00307	0.0074213%
128	265-F3 SP	[2651.5 - 2657] MHz	0.06468	0.00312	0.0000036%	160	0.0131	0.00312	0.008188%	61000	4.896	0.00312	0.0080262%
129	265-G1 SP	[2657 - 2662.5] MHz	0.06505	0.00314	0.0000038%	160	0.01243	0.00314	0.007769%	61000	4.938	0.00314	0.0080951%
130	265-G2 SP	[2662.5 - 2668] MHz	0.06505	0.00314	0.0000038%	160	0.01314	0.00314	0.008213%	61000	4.685	0.00314	0.0080951%
131	265-H SP	[2668 - 2690] MHz	6.605	0.319	0.0000253%	160	0.02591	0.319	0.016194%	61000	4.952	0.319	0.0081180%
132	Others		1716	82.78	0.0001101%	160	0.1324	82.78	0.082750%	61000	49.9	82.78	0.061048%
133	Máximo		0.0008816	0.00004	0.0000000%	-	2.133	82.78	2.91218%	61241.54916	804.3	82.78	2.8725900%
134	Mínimo		2073	100	0.0973218%	-	0.001229	100	0.001920%	27803.82941	0.5765	100	0.0019481%
135	Total		6.605	0.319	0.0973218%	-	2.345	100	7.08605%	884	884	100%	7.0428046%



**REPORTE DE MEDICIÓN DE RADIACIONES NO IONIZANTES PARA LOS
SISTEMAS DE RADIODIFUSIÓN Y TELEFONÍA MÓVIL EN EL CENTRO DE LA
CIUDAD DE HUANCAYO**

RNI-15

Fecha de Medición	12/29/2018
Hora de Medición	12:21:42
Resolución de Ancho de Banda	50 kHz
Tiempo de promedio de Medición	6 min
Progreso de Medición	100%
N° de Corridas	9
Estándar de Medición	ICNIRP 1998 General Public
Servicio del Área de medición	Perú Provincias 02
Fecha de Calibración de Antena	2/02/2018
Tipo de Antena	Three-Axis Antenna 27MHz - 3GHz
N° de Serie del Dispositivo	M-0090
GPS	Si
Satelites en uso	18
GPS Altitud	3270 m
GPS Latitud	12°4'11.7" S
GPS Longitud	75°12'38.5" W
Comentario	M21-2



Index	Service	Rango de Frecuencias	DENSIDAD DE POTENCIA (Seq)(W/m ²)			INTENSIDAD DE CAMPO MAGNÉTICO (H)(A/m)			INTENSIDAD DE CAMPO ELÉCTRICO (E)(V/m)				
			ECA (µW/m ²)	Act convert (µW/m ²)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mA/m)	Act convert (mA/m)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mV/m)	Act convert (mV/m)	Distribución Percentual (%)
0	72M TP CW/Band	[65.965 - 27.405] MHz	2000000	0.07513	0.00031	0.000037%	73	0.01397	0.00031	0.019137%	28000	5.465	0.018803%
1	B10 AMATEUR	[28 - 29.7] MHz	2000000	0.281	0.00118	0.000014%	73	0.0274	0.00118	0.087534%	28000	10.33	0.036892%
2	B6 AMATEUR	[150 - 151] MHz	2000000	0.3769	0.00157	0.000018%	73	0.03162	0.00157	0.048315%	28000	11.92	0.040571%
3	BAND I UHF	[154 - 188] MHz	2000000	211.8	0.47	0.005460%	73	0.547	0.47	0.749315%	28000	206.2	0.736498%
4	BAND II VHF	[168 - 198] MHz	2000000	118.0	90.84	1.090000%	73	7.605	90.84	10.41760%	28000	2867	10.239385%
5	108M TP BA	[108 - 117.975] MHz	2000000	0.3069	0.00086	0.000010%	73	0.03337	0.00086	0.032014%	28000	8.811	0.031467%
6	118M TP M(R)	[117.975 - 137] MHz	2000000	0.3405	0.00142	0.000017%	73	0.03005	0.00142	0.041164%	28000	8.069	0.040464%
7	138M TP M	[138 - 144] MHz	2000000	0.6857	0.00341	0.000046%	73	0.01617	0.00341	0.022151%	28000	6.004	0.021771%
8	B2 AMATEUR	[144 - 148] MHz	2000000	0.05704	0.00024	0.0000033%	73	0.00881	0.00024	0.01649%	28000	4.657	0.016560%
9	148M TP M	[148 - 149.5] MHz	2000000	0.02373	0.00014	0.0000017%	73	0.00935	0.00014	0.012870%	28000	3.946	0.011957%
10	150M TP M	[150.05 - 152.35] MHz	2000000	0.03528	0.00014	0.0000017%	73	0.00935	0.00014	0.012870%	28000	3.946	0.012850%
11	154M TP M	[154.05 - 156] MHz	2000000	0.02375	0.00018	0.0000021%	73	0.00935	0.00018	0.010873%	28000	2.992	0.010857%
12	157M TP M	[157.45 - 160.6] MHz	2000000	0.04221	0.00018	0.0000021%	73	0.00935	0.00018	0.010873%	28000	3.989	0.014246%
13	161M TP M	[160.975 - 161.475] MHz	2000000	0.06688	0.00003	0.0000003%	73	0.00419	0.00003	0.005935%	28000	1.515	0.005440%
14	162M TP M	[162.05 - 174] MHz	2000000	0.1239	0.00052	0.0000062%	73	0.01813	0.00052	0.004836%	28000	6.835	0.024440%
15	BAND III VHF	[174 - 176] MHz	2000000	156	0.65	0.007800%	73	6.443	0.65	0.88123%	28000	242.5	0.866071%
16	B1.25 AMATEUR	[220 - 222] MHz	2000000	0.01672	0.00007	0.0000008%	73	0.00661	0.00007	0.001235%	28000	2.511	0.008975%
17	30M Linc OM-OC	[305 - 310] MHz	2000000	11.88	0.049	0.000560%	73	0.1761	0.049	0.44133%	28000	66.37	0.237035%
18	310M Linc FM	[312 - 328.6] MHz	2000000	2.778	0.012	0.000189%	73	0.05854	0.012	0.11759%	28000	32.36	0.115571%
19	325M TP M	[322 - 328.6] MHz	2000000	0.05227	0.00013	0.000016%	73	0.00952	0.00013	0.012674%	28000	3.488	0.012457%
20	350M TP M	[335 - 380] MHz	2000000	0.2189	0.00091	0.000012%	73	0.02412	0.00091	0.039041%	28000	9.092	0.032471%
21	380M Ida TP-M	[380 - 385] MHz	2000000	0.0243	0.0001	0.000001%	73	0.00829	0.0001	0.010999%	28000	3.027	0.010810%
22	385M-A1 SP 2o	[385 - 385.25] MHz	2000000	0.001073	0	0.0000001%	73	0.001687	0	0.002311%	28000	0.6359	0.002271%
23	385M-B1 SP 2o	[385.25 - 385.5] MHz	2000000	0.001839	0.00001	0.0000001%	73	0.002209	0.00001	0.003026%	28000	0.8326	0.002975%
24	385M-C1 SP 2o	[385.5 - 385.75] MHz	2000000	0.001907	0.00001	0.0000001%	73	0.002249	0.00001	0.003081%	28000	0.8478	0.003027%
25	385M-D1 SP 2o	[385.75 - 386] MHz	2000000	0.00135	0.00001	0.0000001%	73	0.001893	0.00001	0.002593%	28000	0.7135	0.002548%
26	380M Ret TP-M	[385.75 - 386] MHz	2000000	0.0224	0.00009	0.0000011%	73	0.002708	0.00009	0.01059%	28000	2.906	0.010376%
27	385M-A-R SP 2o	[395 - 395.25] MHz	2000000	0.001856	0.00001	0.0000001%	73	0.002219	0.00001	0.003040%	28000	0.8365	0.002987%
28	385M-B-R SP 2o	[395.25 - 395.5] MHz	2000000	0.001856	0.00001	0.0000001%	73	0.002219	0.00001	0.003040%	28000	0.8365	0.002987%
29	385M-C-R SP 2o	[395.5 - 395.75] MHz	2000000	0.001624	0.00001	0.0000001%	73	0.001828	0.00001	0.002504%	28000	0.6893	0.002461%
30	385M-D-R SP 2o	[395.75 - 396] MHz	2000000	0.001624	0.00001	0.0000001%	73	0.002076	0.00001	0.002844%	28000	0.7825	0.002794%
31	408M TP F-M-ma	[408 - 411.675] MHz	2044437.5	0.02804	0.00012	0.0000004%	73	0.001384	0.00012	0.001896%	28000	0.5219	0.001863%
32	412M Ida SP AF	[411.675 - 416.675] MHz	2070875	0.02554	0.00009	0.0000011%	73	0.008624	0.00012	0.011527%	27803.82941	3.251	0.011692%
33	417M SP Tronc	[416.675 - 420] MHz	2091687.5	0.01497	0.00006	0.0000007%	75-29727258	0.006732	0.00006	0.010268%	27983.02359	2.915	0.010417%
34	420M TP F-M-AFI	[420 - 421.675] MHz	2104187.5	0.006324	0.00003	0.0000003%	75-6771173	0.006303	0.00006	0.008232%	2812.328814	2.716	0.008448%
35	412M Ret SP AF	[421.675 - 426.675] MHz	2121087.5	0.02177	0.00009	0.0000010%	75-90299978	0.004096	0.00009	0.005936%	28207.19586	1.544	0.005473%
36	417M R* TP Tronc	[426.675 - 430] MHz	2141687.5	0.0157	0.00007	0.0000007%	76-20338411	0.0076	0.00009	0.009973%	28318.82518	2.865	0.010116%
37	B07** AMATEUR	[430 - 440] MHz	2175000	0.03948	0.00016	0.0000018%	76-57683956	0.006454	0.00016	0.008428%	28457.43463	2.433	0.008459%
38	440M TP F-M-ma	[440 - 460] MHz	2255750	0.03977	0.00017	0.0000018%	76-5818551	0.01027	0.00017	0.013257%	28677.89872	3.858	0.013349%
39	450M-CH1 SP	[450.525 - 451.775] MHz	2262000	0.006757	0.00003	0.0000003%	76-58900003	0.00434	0.00003	0.005388%	29005.65678	1.596	0.0054647%
40	450M-CH2 SP	[451.775 - 463.025] MHz	2262000	0.005881	0.00002	0.0000002%	76-69787799	0.003547	0.00002	0.004507%	29245.83304	1.337	0.004571%
41	453M-G1 SP	[453.35 - 453.35] MHz	2269937.5	0.006674	0	0.0000000%	76-76634354	0.00131	0	0.001690%	29296.69575	0.5016	0.0017136%
42	453M-F1 SP	[453.025 - 453.35] MHz	2269875	0.004615	0.00002	0.0000003%	76-83474963	0.00395	0.00002	0.005010%	29337.00335	1.489	0.005082%
43	453M-F2 SP	[454.6 - 455.85] MHz	2276125	0.003794	0.00002	0.0000002%	76-94320902	0.003699	0.00002	0.004432%	29337.00335	1.319	0.004496%
44	453M-G2 SP	[455.85 - 457.1] MHz	2282375	0.003794	0.00001	0.0000001%	79-05151959	0.003172	0.00001	0.004013%	29377.2359	1.196	0.004071%
45	453M-F3 SP	[457.1 - 457.5] MHz	2286500	0.001787	0.00001	0.0000001%	79-12292335	0.002177	0.00001	0.002751%	29403.78908	0.8207	0.002791%
46	458M TP M	[457.5 - 459.2375] MHz	231843.75	0.0056	0.00002	0.0000002%	79-21532798	0.003854	0.00002	0.004865%	29438.12864	1.453	0.004935%
47	450M-CH1 R SP	[460.525 - 461.775] MHz	2305750	0.004414	0.00002	0.0000002%	79-45292426	0.003422	0.00002	0.004307%	29527.30463	1.29	0.004368%
48	450M-CH2 R SP	[461.775 - 463.025] MHz	2312000	0.004946	0.00002	0.0000002%	79-56290593	0.003995	0.00002	0.004676%	29597.29612	1.28	0.004632%
49	453M-F1 R SP	[463.025 - 463.35] MHz	2315937.5	0.000785	0	0.0000000%	79-56290593	0.001371	0	0.001722%	29599.46301	0.5168	0.0017464%
50	453M-F2 R SP	[463.35 - 464.6] MHz	2318975	0.005334	0.00002	0.0000002%	79-69829201	0.003761	0.00002	0.004719%	29617.60852	1.418	0.004787%
51	453M-F3 R SP	[464.6 - 465.85] MHz	2326125	0.004373	0.00002	0.0000002%	79-80557781	0.003406	0.00002	0.004368%	29657.47824	1.284	0.0043294%
52	453M-G2 R SP	[465.85 - 467.1] MHz	2332375	0.004339	0.00002	0.0000002%	79-91271958	0.003993	0.00002	0.004946%	29697.29444	1.279	0.0049306%
53	453M-G3 R SP	[467.1 - 467.5] MHz	2336500	0.004199	0	0.0000000%	79-98335452	0.001644	0	0.002055%	29723.54391	0.6198	0.0020852%
54	468M TP M	[467.5 - 469.525] MHz	2342562.5	0.00754	0.00003	0.0000003%	80-08705342	0.004472	0.00003	0.005584%	29762.08066	1.666	0.005664%
55	BAND IV TV UHF	[470 - 584] MHz	2655000	21.59	0.09	0.0008194%	84-9389781	0.2393	0.09	0.281732%	31565.16078	90.22	0.288821%
56	BAND V TV UHF	[584 - 692] MHz	3150000	3.965	0.17	0.0001243%	93-45704892	0.1025	0.17	0.199676%	34739.66009	38.66	0.1113137%
57	CH51 SERVICIA	[692 - 698] MHz	3475000	0.01907	0.00008	0.0000005%	97-54254826	0.007112	0.00008	0.007091%	36248.9224	2.681	0.0073961%
58	700-G1	[698 - 703] MHz	3502500	0.01049	0.00006	0.0000004%	97-92753388	0.006114	0.00006	0.006343%	36392.07074	2.905	0.0063338%
59	700-A CELN	[703 - 718] MHz	3552500	0.0452	0.00019	0.0000013%	98-62402172	0.01095	0.00019	0.011103%	36590.90807	4.128	0.0112630%
60	700-B CELN	[718 - 733] MHz	3627500	0.04319	0.00018	0.0000012%	99-65988663	0.01017	0.00018	0.010793%	37051.7724	4.035	0.010894%
61	700-C CELN	[733 - 748] MHz	3702500	0.04857	0.00021	0.0000013%	100-6846797	0.01147	0.00021	0.011892%	37416.67827	4.333	0.0115537%
62	700-D CELN	[748 - 763] MHz	3827500	3.155	0.013	0.0000824%	103-7038815	0.09149	0.013	0.088972%	38043.07116	34.49	0.090605%
63	700-E CELN	[763 - 788] MHz	3902500	4.355	0.0176	0.0000109%	104-3684913	0.08363	0.0176	0.092544%	38413.96657	12.68	0.093098%
64	700-F CELN	[788 - 803] MHz	3977500	1.99	0.00829	0.0000050%	104-3579853	0.07285	0.00829	0.085617%	38781.38813	37.39	0.086917%
65	700-G CELN	[803 - 808] MHz	4037500	0.0163	0.00064	0.0000008%	104-9457211	0.00531	0.00064	0.006560%	39000.10016	2.023	0.006533%
66	800 CELN	[808 - 821] MHz	4675000	0.04947	0.00018	0.0000011%	105-5311692	0.01014	0.00018	0.010777%	39211.64152	4.046	0.010321%
67	800A - LCLN1	[821 - 835] MHz	4147500	0.03556	0.00014	0.0000008%	106-3658541	0.009453	0.00014	0.008854%	39601.45227	3.357	0.0089620%

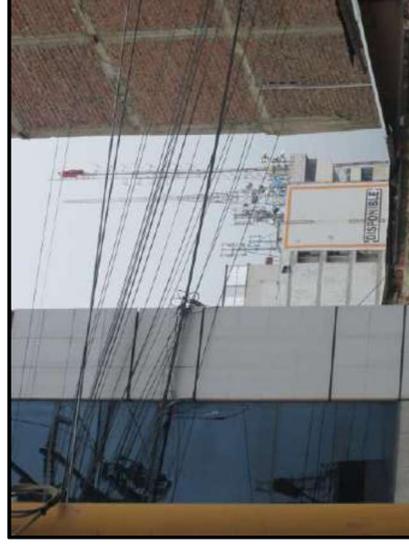
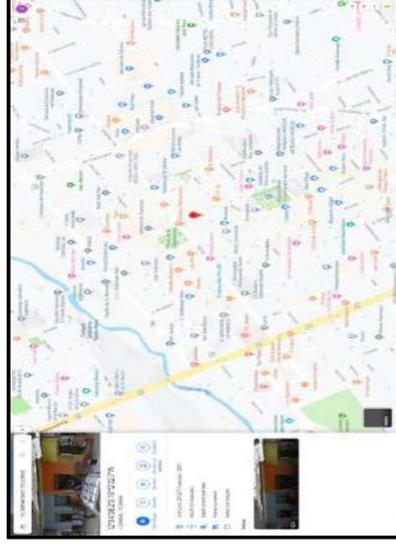
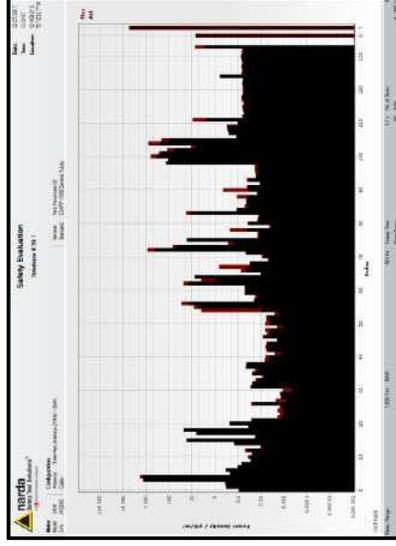
68	800B-1 CEL CLAR	[895 - 845] MHz	0.00013	0.0000007%	107.2361879	0.008979	0.00013	0.008373%	38515.28605	0.00013	3.385	0.0084941%
69	800A-2 CEL CLAR	[845 - 846.5] MHz	0.00438	0.0000001%	107.6025906	0.003413	0.00002	0.000379%	39987.4492	0.00002	1.149	0.0031235%
70	800B-2 CEL CLAR	[846.5 - 849] MHz	0.00622	0.0000002%	107.7297429	0.004191	0.00003	0.000390%	40034.70174	0.00003	1.58	0.0039466%
71	800 - B15 TM	[851 - 866] MHz	0.03985	0.0000009%	109.4166314	0.01028	0.00017	0.000482%	40287.73464	0.00017	3.876	0.0096208%
72	800A-1 B15 TM	[865 - 880] MHz	1.496.4	0.0000328%	108.4103528	0.1148	2.068	1.049505%	40661.42598	0.268	432.6	1.0639076%
73	800A-1 B15 CLAR	[880 - 890] MHz	115.3	0.0002606%	110.0711134	0.5531	0.48	0.502493%	40904.80565	0.48	208.5	0.5097201%
74	800A-2 B15 CLAR	[890 - 891.5] MHz	0.1241	0.000028%	110.4281101	0.01814	0.00052	0.016427%	41037.47355	0.00052	6.84	0.0166677%
75	800B-2 B15 CLAR	[891.5 - 894] MHz	1.885	0.000042%	110.5520126	0.07072	0.00086	0.0063970%	41083.51821	0.00086	26.66	0.0648922%
76	900-1 CEL TM	[894 - 898] MHz	0.0169	0.000003%	110.7630586	0.005801	0.00005	0.005338%	41158.23125	0.00005	2.187	0.0053136%
77	900-2 CEL TM	[898 - 902] MHz	0.1026	0.000003%	111	0.005655	0.00005	0.005095%	41250	0.00005	2.132	0.0051685%
78	900-2 CEL BEL	[902 - 915] MHz	0.03742	0.000008%	111.5229349	0.009963	0.00016	0.008934%	41444.3339	0.00016	3.756	0.0090628%
79	915M RMT77	[915 - 916] MHz	0.002567	0.0000001%	111.951753	0.002609	0.00001	0.002330%	41603.69109	0.00001	0.9837	0.0023645%
80	900A-1 B15 TM	[916 - 928] MHz	0.04045	0.000009%	112.3484757	0.01036	0.00017	0.009221%	41751.12274	0.00017	3.905	0.0093500%
81	900A-2 B15 TM	[928 - 943] MHz	0.01175	0.000002%	113.5001762	0.005584	0.00005	0.004920%	42179.11954	0.00005	2.105	0.0049906%
82	900 B15 BEL	[943 - 947] MHz	0.01097	0.000002%	113.7411535	0.005595	0.00005	0.004743%	42268.67191	0.00005	2.034	0.0048121%
83	900 B15 BEL	[947 - 960] MHz	86.13	0.0018066%	114.2514237	0.478	0.359	0.418375%	42458.34356	0.359	180.2	0.4244160%
84	80.23** AMATEUR	[1240 - 1300] MHz	0.1094	0.0000017%	131.8571196	0.00624	0.00046	0.012915%	48900.95662	0.00046	6.421	0.0131038%
85	AMS-A CEL TM	[1710 - 1730] MHz	0.04091	0.000005%	153.449666	0.01042	0.00017	0.006791%	57025.21372	0.00017	3.927	0.0068864%
86	AMS-B CEL TM	[1730 - 1770] MHz	0.04128	0.000005%	154.3392367	0.01046	0.00017	0.006777%	57255.79744	0.00017	3.945	0.0068781%
87	AMS-C CEL	[1850 - 1865] MHz	0.03848	0.000004%	155.23237095	0.01046	0.00016	0.006739%	57684.48665	0.00016	3.944	0.0068372%
88	PCS-A CEL CLAR	[1865 - 1870] MHz	0.01451	0.0000003%	159.8939492	0.0101	0.00016	0.006334%	59760.74533	0.00016	3.809	0.0064475%
89	PCS-B CEL TM	[1870 - 1882.5] MHz	0.03491	0.000004%	160.2680957	0.00924	0.00006	0.003800%	59420.0487	0.00006	2.339	0.0039364%
90	PCS-C CEL TM	[1882.5 - 1895] MHz	0.03093	0.000003%	160.8010805	0.00964	0.00014	0.006005%	59559.08962	0.00014	3.628	0.0060914%
91	PCS-F CEL CLAR	[1895 - 1897.5] MHz	0.00793	0.0000001%	161.1200251	0.00457	0.00014	0.005821%	59757.15831	0.00014	3.529	0.0059056%
92	PCS-G CEL BEL	[1897.5 - 1910] MHz	0.03497	0.000004%	161.4383396	0.009632	0.00015	0.008226%	59875.68502	0.00015	3.714	0.0082625%
93	169H-G1 SP AFI	[1910 - 1915] MHz	0.01287	0.000001%	161.8089151	0.005844	0.00005	0.003612%	59993.97756	0.00005	3.631	0.0036652%
94	169H-A SP AFI	[1915 - 1920] MHz	0.01418	0.000001%	162.0202919	0.006133	0.00006	0.003785%	60131.69142	0.00006	2.203	0.0036656%
95	169H-B SP AFI	[1920 - 1925] MHz	0.01438	0.000001%	162.2314994	0.006175	0.00006	0.003806%	60288.69349	0.00006	2.328	0.0038399%
96	169H-C SP AFI	[1925 - 1930] MHz	0.0145	0.000002%	162.4422205	0.006202	0.00006	0.003818%	60367.0414	0.00006	2.338	0.0038614%
97	PCS-A B15 CLAR	[1930 - 1945] MHz	125.3	0.001934%	162.863056	0.5764	0.522	0.353917%	60523.43296	0.522	217.3	0.3590345%
98	PCS-B B15 CLAR	[1945 - 1960] MHz	23.65	0.000249%	163.2823068	0.2505	0.099	0.153415%	60679.42145	0.099	94.42	0.1556046%
99	PCS-B B15 TM	[1960 - 1962.5] MHz	274.3	0.002804%	163.8280436	0.8531	1.143	0.52198%	60815.98317	1.143	321.6	0.5288118%
100	PCS-F B15 CLAR	[1962.5 - 1975] MHz	56.93	0.000578%	164.171214	0.3896	0.237	0.236704%	61009.57276	0.237	74.57	0.2401053%
101	PCS-F B15 BEL	[1975 - 1977.5] MHz	14.67	0.000148%	164.4882338	0.1973	0.061	0.119851%	61126.67011	0.061	17.3	0.1116674%
102	PCS-G B15 BEL	[1977.5 - 1990] MHz	127.5	0.001354%	164.7854414	0.5844	0.531	0.352801%	61241.54916	0.531	148.2	0.3529069%
103	AMS-A B15 TM	[2110 - 2130] MHz	53.79	0.004960%	160	1.145	2.058	0.715250%	61000	2.058	481.2	0.703770%
104	AMS-B B15 TM	[2130 - 2150] MHz	100000	0.005379%	160	0.9777	0.714	0.216263%	61000	0.714	0.224	0.2344425%
105	AMS-C B15	[2150 - 2170] MHz	100000	0.006114%	160	0.9777	0.714	0.216263%	61000	0.714	0.224	0.2344425%
106	AMS-D B15	[2190 - 2300] MHz	100000	0.0080235%	160	0.9777	0.714	0.216263%	61000	0.714	0.224	0.2344425%
107	265-B 3P BW	[2390 - 2390] MHz	100000	0.000246%	160	0.0362	0.00168	0.016862%	61000	0.00168	6.569	0.016093%
108	265-C 3P	[2390 - 2390] MHz	100000	0.000273%	160	0.0294	0.00103	0.016862%	61000	0.00103	3.689	0.0158475%
109	265-G 3P	[2390 - 2390] MHz	100000	0.000097%	160	0.01607	0.00044	0.010044%	61000	0.00044	1.015	0.0099295%
110	264-777115-g	[2400 - 2483.5] MHz	1.226	0.000126%	160	0.05703	0.00511	0.035644%	61000	0.00511	6.097	0.0352459%
111	265-A1 SP	[2502 - 2507.5] MHz	0.05234	0.0000052%	160	0.01178	0.00022	0.007363%	61000	0.00022	4.442	0.0072820%
112	265-A2 SP	[2507.5 - 2513] MHz	0.05255	0.0000053%	160	0.01181	0.00022	0.007381%	61000	0.00022	4.451	0.0072967%
113	265-A3 SP	[2513.5 - 2518.5] MHz	0.05248	0.0000053%	160	0.01189	0.00022	0.007451%	61000	0.00022	4.481	0.0073459%
114	265-B1 SP	[2518.5 - 2524] MHz	0.05066	0.000051%	160	0.01159	0.00021	0.007244%	61000	0.00021	4.37	0.0071659%
115	265-B2 SP	[2524 - 2529.5] MHz	0.04724	0.0000047%	160	0.01119	0.00021	0.006994%	61000	0.00021	4.22	0.0069180%
116	265-B3 SP	[2529.5 - 2546] MHz	0.05743	0.0000057%	160	0.01234	0.00024	0.00713%	61000	0.00024	4.653	0.0076344%
117	265-C1 SP	[2546 - 2551.5] MHz	0.05731	0.0000057%	160	0.01235	0.00024	0.00719%	61000	0.00024	4.657	0.0076494%
118	265-C2 SP	[2551.5 - 2557] MHz	0.05652	0.0000057%	160	0.01233	0.00024	0.007556%	61000	0.00024	4.559	0.0074758%
119	265-C3 SP	[2557 - 2562.5] MHz	0.05652	0.0000057%	160	0.01234	0.00024	0.007500%	61000	0.00024	4.516	0.0076197%
120	265-D1 SP	[2562.5 - 2568] MHz	0.05726	0.0000062%	160	0.01277	0.00024	0.007981%	61000	0.00024	4.816	0.0078951%
121	265-D2 SP	[2568 - 2624] MHz	0.547	0.0000547%	160	0.01232	0.00024	0.007700%	61000	0.00024	4.646	0.0076164%
122	265-D3 SP	[2624 - 2629.5] MHz	0.0585	0.0000547%	160	0.01246	0.00024	0.003806%	61000	0.00024	4.36	0.0035410%
123	265-E1 SP	[2629.5 - 2635] MHz	0.05733	0.0000057%	160	0.01233	0.00024	0.007788%	61000	0.00024	4.696	0.0076984%
124	265-E2 SP	[2635 - 2640.5] MHz	0.05395	0.0000054%	160	0.01196	0.00022	0.007706%	61000	0.00022	4.649	0.0076213%
125	265-E3 SP	[2640.5 - 2646] MHz	0.05307	0.0000053%	160	0.01187	0.00022	0.007475%	61000	0.00022	4.51	0.0073934%
126	265-F1 SP	[2646 - 2651.5] MHz	0.06005	0.000060%	160	0.01262	0.00025	0.007888%	61000	0.00025	4.732	0.0073328%
127	265-F2 SP	[2651.5 - 2657] MHz	0.05982	0.000060%	160	0.0126	0.00025	0.007888%	61000	0.00025	4.758	0.0079000%
128	265-F3 SP	[2657 - 2662.5] MHz	0.05415	0.000054%	160	0.01198	0.00023	0.007498%	61000	0.00023	4.749	0.007852%
129	265-G1 SP	[2662.5 - 2668] MHz	0.06314	0.000063%	160	0.01294	0.00026	0.008083%	61000	0.00026	4.518	0.0074066%
130	265-G2 SP	[2668 - 2690] MHz	0.3371	0.0000337%	160	0.03775	0.00224	0.002394%	61000	0.00224	4.879	0.0079984%
131	Others		6.518	0.0001086%	160	0.1315	0.027	0.082188%	61000	0.027	49.57	0.0233279%
132	Máximo		21800	1.0900000%	-	7.605	90.84	10.417808%	61241.54916	90.84	2867	10.2392857%
133	Mínimo		0.0006674	0.0000000%	-	0.001331	0	0.001690%	27803.82941	0.5016	0	0.0017136%
	Total		24000	1.182620%	-	7.979	100%	18.66782%	-	3008	100%	18.700374%



**REPORTE DE MEDICIÓN DE RADIACIONES NO IONIZANTES PARA LOS
SISTEMAS DE RADIODIFUSIÓN Y TELEFONÍA MÓVIL EN EL CENTRO DE LA
CIUDAD DE HUANCAYO**

RNI-16

Fecha de Medición	12/29/2018
Hora de Medición	12:32:57
Resolución de Ancho de Banda	50 kHz
Tiempo de promedio de Medición	6 min
Progreso de Medición	100%
N° de Corridas	8
Estándar de Medición	ICNIRP 1998 General Public
Servicio del Área de medición	Perú Provincias 02
Fecha de Calibración de Antena	2/02/2018
Tipo de Antena	Three-Axis Antenna 27MHz - 3GHz
N° de Serie del Dispositivo	M-0090
GPS	Si
Satelites en uso	18
GPS Altitud	3279 m
GPS Latitud	12°4'08.2" S
GPS Longitud	75°12'32.7" W
Comentario	M22-2



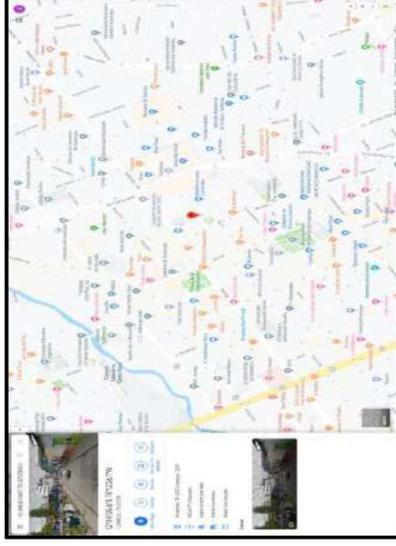
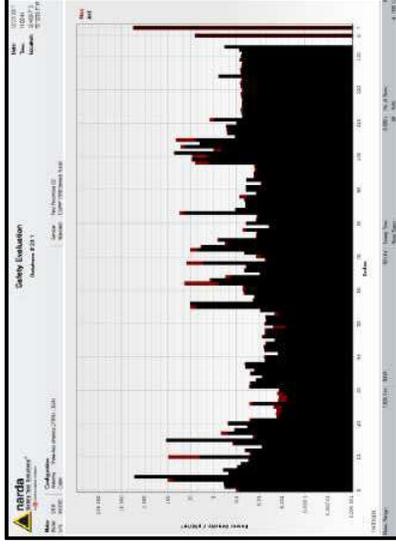
Index	Service	Rango de Frecuencias	DENSIDAD DE POTENCIA (Seq)(W/m ²)				INTENSIDAD DE CAMPO MAGNÉTICO (H)(A/m)				INTENSIDAD DE CAMPO ELÉCTRICO (E)(V/m)			
			ECA (µW/m ²)	Act convert (µW/m ²)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mA/m)	Act convert (mA/m)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mV/m)	Act convert (mV/m)	Distribución Percentual (%)	% del valor Act respecto del ECA
0	72M TP CW-Band	[16.965 - 27.405] MHz	2000000	0.08336	0.00195	0.0000040%	0.00195	0.01487	0.00195	0.00370%	28000	5.606	0.00195	0.0200214%
1	B10 AMATEUR	[28 - 29.7] MHz	2000000	0.3169	0.00743	0.0000158%	0.00743	0.03989	0.00743	0.03971%	28000	10.93	0.00743	0.039057%
2	B6 AMATEUR	[15.1 - 15.9] MHz	2000000	0.1375	0.00744	0.0000158%	0.00744	0.03992	0.00744	0.03975%	28000	10.94	0.00744	0.0390714%
3	BAND II VHF	[154 - 188] MHz	2000000	1118	36.32	0.6589000%	36.32	1732	36.32	2.3589000%	28000	648.3	36.32	2.3189086%
4	BAND II FM	[108 - 109] MHz	2000000	1430	39.54	0.0715000%	39.54	1948	39.54	7.658493%	28000	794.3	39.54	7.6750000%
5	108M TP-BL	[108 - 117.975] MHz	2000000	0.7056	0.00484	0.0000109%	0.00484	0.03484	0.00484	0.023958%	28000	8.025	0.00484	0.021579%
6	118M TP-M(R)	[117.975 - 137] MHz	2000000	0.3367	0.00787	0.0000158%	0.00787	0.03984	0.00787	0.040377%	28000	11.25	0.00787	0.0401768%
7	138M TP-FM	[138 - 144] MHz	2000000	0.09661	0.00234	0.0000059%	0.00234	0.01656	0.00234	0.022174%	28000	6.128	0.00234	0.0218857%
8	B2 AMATEUR	[144 - 148] MHz	2000000	0.09738	0.00158	0.0000034%	0.00158	0.00896	0.00158	0.018131%	28000	3.04	0.00158	0.0180000%
9	148M TP-FM	[148 - 149.5] MHz	2000000	0.02771	0.00058	0.0000012%	0.00058	0.00896	0.00058	0.011090%	28000	3.032	0.00058	0.0109000%
10	150M TP-FM	[150.05 - 152.35] MHz	2000000	0.03146	0.00074	0.0000016%	0.00074	0.009135	0.00074	0.012141%	28000	3.444	0.00074	0.0123000%
11	150M TP-FM	[154.35 - 156] MHz	2000000	0.02439	0.00054	0.0000011%	0.00054	0.00789	0.00054	0.010697%	28000	2.944	0.00054	0.0105145%
12	151M TP-FM	[157.45 - 160.6] MHz	2000000	0.0377	0.00088	0.0000019%	0.00088	0.00789	0.00088	0.013699%	28000	3.77	0.00088	0.0134645%
13	161M TP-FM	[160.975 - 161.475] MHz	2000000	0.007921	0.00019	0.0000004%	0.00019	0.004584	0.00019	0.006279%	28000	1.728	0.00019	0.0061714%
14	162M TP-FM	[162.05 - 174] MHz	2000000	1.92	0.0305	0.0000085%	0.0305	0.1859	0.0305	0.029466%	28000	7.007	0.0305	0.0295020%
15	BAND III VHF	[174 - 176] MHz	2000000	5.82	0.371	0.0000910%	0.371	2.048	0.371	0.280548%	28000	7.722	0.371	0.2797857%
16	B1.25 AMATEUR	[220 - 222] MHz	2000000	0.01658	0.00039	0.0000088%	0.00039	0.00651	0.00039	0.009498%	28000	2.5	0.00039	0.0089288%
17	30M Linc OM-OC	[305 - 310] MHz	2000000	6.16	0.144	0.0000308%	0.144	0.728	0.144	0.175068%	28000	48.19	0.144	0.171072%
18	310M Linc FM	[312 - 328.6] MHz	2000000	21.95	0.515	0.0000975%	0.515	2.443	0.515	0.390548%	28000	90.97	0.515	0.3248929%
19	320M TP-FM	[322 - 328.6] MHz	2000000	0.0362	0.00079	0.0000017%	0.00079	0.009443	0.00079	0.039595%	28000	3.56	0.00079	0.0324929%
20	350M TP-FM	[335 - 380] MHz	2000000	0.2196	0.00515	0.0000109%	0.00515	0.00791	0.00515	0.039595%	28000	2.982	0.00515	0.0324929%
21	380M Ida TP-M	[385 - 385.5] MHz	2000000	0.001994	0.00003	0.0000001%	0.00003	0.001754	0.00003	0.002403%	28000	0.6422	0.00003	0.0023618%
22	385M-A1 SP 2o	[385.25 - 385.5] MHz	2000000	0.001096	0.00003	0.0000001%	0.00003	0.001754	0.00003	0.002403%	28000	0.628	0.00003	0.0022429%
23	385M-A1 SP 2o	[385.5 - 385.5] MHz	2000000	0.001096	0.00003	0.0000001%	0.00003	0.001754	0.00003	0.002403%	28000	0.628	0.00003	0.0022429%
24	385M-A1 SP 2o	[385.5 - 385.5] MHz	2000000	0.001096	0.00003	0.0000001%	0.00003	0.001754	0.00003	0.002403%	28000	0.628	0.00003	0.0022429%
25	385M-A1 SP 2o	[385.5 - 385.5] MHz	2000000	0.001214	0.00003	0.0000001%	0.00003	0.001754	0.00003	0.002403%	28000	0.628	0.00003	0.0022429%
26	380M Ret TP-M	[390 - 395] MHz	2000000	0.002114	0.00051	0.0000011%	0.00051	0.007589	0.00051	0.010396%	28000	2.861	0.00051	0.0102179%
27	385M-A-R SP 2o	[395 - 395.25] MHz	2000000	0.002171	0.00051	0.0000011%	0.00051	0.007589	0.00051	0.010396%	28000	2.861	0.00051	0.0102179%
28	385M-B-R SP 2o	[395.25 - 395.5] MHz	2000000	0.001198	0.00003	0.0000000%	0.00003	0.001859	0.00003	0.002475%	28000	0.7099	0.00003	0.0025032%
29	385M-C-R SP 2o	[395.5 - 395.75] MHz	2000000	0.001198	0.00003	0.0000000%	0.00003	0.001859	0.00003	0.002475%	28000	0.7099	0.00003	0.0025032%
30	385M-D-R SP 2o	[395.75 - 396] MHz	2000000	0.001198	0.00003	0.0000000%	0.00003	0.001859	0.00003	0.002475%	28000	0.7099	0.00003	0.0025032%
31	408M TP-FM-ma	[406.1 - 411.675] MHz	2044437.5	0.02667	0.00063	0.0000003%	0.00063	0.001057	0.00063	0.001488%	28000	0.3986	0.00063	0.0014236%
32	417M Ida SP AF	[411.675 - 416.675] MHz	2070875	0.0222	0.00033	0.0000013%	0.00033	0.008411	0.00033	0.011424%	27803.82941	3.171	0.00033	0.0114049%
33	417M SP Tronc	[416.675 - 420] MHz	2091687.5	0.01401	0.00033	0.0000013%	0.00033	0.007677	0.00033	0.010955%	27983.02359	2.894	0.00033	0.0109420%
34	420M TP-FM-ma	[420 - 421.675] MHz	2104487.5	0.00697	0.00016	0.0000007%	0.00016	0.00696	0.00016	0.000852%	2812.32814	2.298	0.00016	0.0087171%
35	417M Ret SP AF	[421.675 - 426.675] MHz	2121087.5	0.0251	0.00053	0.0000011%	0.00053	0.00727	0.00053	0.006565%	28207.19586	1.621	0.00053	0.0102468%
36	417M R SP Tronc	[426.675 - 430] MHz	2141687.5	0.0101	0.00031	0.0000006%	0.00031	0.005975	0.00031	0.010140%	28318.82518	2.913	0.00031	0.0102786%
37	807** AMATEUR	[430 - 440] MHz	2175000	0.03997	0.00094	0.0000018%	0.00094	0.0103	0.00094	0.013347%	28457.43463	2.215	0.00094	0.0178369%
38	450M-CH1 SP	[440 - 450] MHz	2255750	0.005008	0.00012	0.0000002%	0.00012	0.003465	0.00012	0.003474%	28677.89672	3.882	0.00012	0.0135215%
39	450M-CH2 SP	[450.525 - 451.775] MHz	2255750	0.005008	0.00012	0.0000002%	0.00012	0.003465	0.00012	0.003474%	29005.65678	3.884	0.00012	0.0135215%
40	450M-CH1 SP	[451.775 - 463.025] MHz	2262000	0.004272	0.000135	0.0000002%	0.000135	0.003465	0.000135	0.004332%	29245.83304	1.74	0.000135	0.0047046%
41	453M-G1 SP	[453.025 - 453.35] MHz	226937.5	0.00135	0.00003	0.0000001%	0.00003	0.003465	0.00003	0.004277%	29245.83304	1.629	0.00003	0.0043391%
42	453M-F1 SP	[453.35 - 454.6] MHz	226937.5	0.004906	0.00012	0.0000002%	0.00012	0.003465	0.00012	0.004277%	29245.83304	1.629	0.00012	0.0046422%
43	453M-F2 SP	[454.6 - 455.85] MHz	226937.5	0.004906	0.00012	0.0000002%	0.00012	0.003465	0.00012	0.004277%	29245.83304	1.629	0.00012	0.0046422%
44	453M-G2 SP	[455.85 - 457.1] MHz	226937.5	0.004899	0.00011	0.0000002%	0.00011	0.003465	0.00011	0.004277%	29245.83304	1.629	0.00011	0.0046422%
45	453M-G1 SP	[457.1 - 457.5] MHz	226937.5	0.00187	0.00004	0.0000001%	0.00004	0.003465	0.00004	0.004277%	29245.83304	1.629	0.00004	0.0046422%
46	458M TP-FM	[457.5 - 459.2375] MHz	231843.75	0.006953	0.00016	0.0000003%	0.00016	0.003465	0.00016	0.004277%	29245.83304	1.629	0.00016	0.0046422%
47	450M-CH1 R SP	[460.525 - 461.775] MHz	2305750	0.003948	0.00009	0.0000002%	0.00009	0.003465	0.00009	0.004277%	29245.83304	1.629	0.00009	0.0046422%
48	450M-CH2 R SP	[461.775 - 463.025] MHz	2315937.5	0.003948	0.00009	0.0000002%	0.00009	0.003465	0.00009	0.004277%	29245.83304	1.629	0.00009	0.0046422%
49	453M-F1 R SP	[463.025 - 463.35] MHz	2315937.5	0.003948	0.00009	0.0000002%	0.00009	0.003465	0.00009	0.004277%	29245.83304	1.629	0.00009	0.0046422%
50	453M-F2 R SP	[463.35 - 464.6] MHz	2315937.5	0.003948	0.00009	0.0000002%	0.00009	0.003465	0.00009	0.004277%	29245.83304	1.629	0.00009	0.0046422%
51	453M-F3 R SP	[464.6 - 465.85] MHz	2315937.5	0.003948	0.00009	0.0000002%	0.00009	0.003465	0.00009	0.004277%	29245.83304	1.629	0.00009	0.0046422%
52	453M-G2 SP	[465.85 - 467.1] MHz	2315937.5	0.004566	0.00011	0.0000003%	0.00011	0.003465	0.00011	0.004277%	29245.83304	1.629	0.00011	0.0046422%
53	453M-G1 SP	[467.1 - 467.5] MHz	2315937.5	0.001548	0.00004	0.0000001%	0.00004	0.002027	0.00004	0.002534%	29697.29444	0.764	0.00004	0.0025704%
54	468M TP-FM	[467.5 - 469.525] MHz	2342562.5	0.00844	0.00021	0.0000004%	0.00021	0.004844	0.00021	0.006048%	29762.08066	1.826	0.00021	0.0061353%
55	BAND IV TV UHF	[470 - 584] MHz	2655000	4.8	0.113	0.0004639%	0.113	1128	0.113	0.132800%	31565.16078	42.54	0.113	0.1347688%
56	BAND V TV UHF	[584 - 692] MHz	3150000	14.8	0.347	0.0004639%	0.347	1981	0.347	0.211969%	34739.66009	74.7	0.347	0.2150837%
57	CH51 RESERVA	[692 - 692] MHz	3475000	0.01907	0.00045	0.0000112%	0.00045	0.007112	0.00045	0.007291%	36248.9224	2.681	0.00045	0.0073961%
58	700-G1	[698 - 703] MHz	3502500	0.01337	0.00031	0.0000044%	0.00031	0.00555	0.00031	0.006081%	36392.07074	2.945	0.00031	0.0061683%
59	700-A CELN	[703 - 718] MHz	3552500	0.04814	0.00113	0.0000014%	0.00113	0.00658	0.00113	0.011458%	36590.90867	4.26	0.00113	0.0116323%
60	700-B CELN	[718 - 733] MHz	3627500	0.04983	0.00101	0.0000012%	0.00101	0.00658	0.00101	0.010706%	37035.7724	4.03	0.00101	0.0108675%
61	700-C CELN	[733 - 748] MHz	3702500	0.04655	0.00109	0.000013%	0.00109	0.00658	0.00109	0.011034%	37416.7827	4.189	0.00109	0.011955%
62	700-A B15 CELN	[758 - 773] MHz	3827500	14.66	0.344	0.0003820%	0.344	1972	0.344	0.192634%	39048.02716	74.35	0.344	0.195465%
63	700-B B15 CELN	[773 - 788] MHz	3902500	0.8993	0.021	0.0000238%	0.021	104.3684913	0					



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CIUDAD DE HUANCAYO**

RNI-17

Fecha de Medición	12/29/2018
Hora de Medición	16:42:49
Resolución de Ancho de Banda	50 kHz
Tiempo de promedio de Medición	6 min
Progreso de Medición	100%
N° de Corridas	7
Estándar de Medición	ICNIRP 1998 General Public
Servicio del Área de medición	Perú Provincias 02
Fecha de Calibración de Antena	2/02/2018
Tipo de Antena	Three-Axis Antenna 27MHz - 3GHz
N° de Serie del Dispositivo	M-0090
GPS	Si
Satelites en uso	18
GPS Altitud	3331 m
GPS Latitud	12°4'05.6" S
GPS Longitud	75°12'26.1" W
Comentario	M23



Index	Service	Rango de Frecuencias	DENSIDAD DE POTENCIA (Seq)(W/m ²)				INTENSIDAD DE CAMPO MAGNÉTICO (H)(A/m)				INTENSIDAD DE CAMPO ELÉCTRICO (E)(V/m)			
			ECA (µW/m ²)	Act convert (µW/m ²)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mA/m)	Act convert (mA/m)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mV/m)	Act convert (mV/m)	Distribución Percentual (%)	% del valor Act respecto del ECA
0	72M TP CW-Band	[6.965 - 27.405] MHz	2000000	0.07156	0.001654951	0.0000386	0.0118378	0.126946885	0.018877%	28000	5.194	0.126927215	0.0185500%	
1	B10 AMATEUR	[28 - 29.7] MHz	2000000	0.302	0.006984932	0.0000151	0.0283	0.260711152	0.038767%	28000	10.67	0.260735471	0.0381071%	
2	B6 AMATEUR	[50 - 54] MHz	2000000	0.3551	0.008213313	0.0000178	0.03069	0.282728807	0.042041%	28000	11.57	0.282728154	0.0413214%	
3	BAND I VHF	[54 - 88] MHz	2000000	60.38	1.407957186	0.0304400%	7.407	3.702466683	0.5505480%	28000	151.5	3.702101957	0.5410714%	
4	BAND II VHF	[88 - 108] MHz	2000000	2553	59.27389744	0.1381500%	7.607	24.01674816	0.371338%	28000	892.9	24.01648513	0.35103571%	
5	108M TP-BL	[108 - 117.975] MHz	2000000	0.204	0.004717659	0.0000103%	0.03326	0.142309615	0.031863%	28000	8.769	0.142302938	0.0313175%	
6	118M TP-M(R)	[117.975 - 137] MHz	2000000	0.3559	0.008184561	0.000017%	0.03064	0.132368187	0.031932%	28000	11.55	0.132338408	0.0314500%	
7	138M TP-M	[138 - 144] MHz	2000000	0.6853	0.00169331	0.0000043%	0.04151	0.139219161	0.020712%	28000	5.699	0.139216554	0.0203959%	
8	B2 AMATEUR	[144 - 148] MHz	2000000	0.05984	0.000691938	0.0000028%	0.02213	0.112115008	0.016977%	28000	4.388	0.112113869	0.0169385%	
9	148M TP-M	[148 - 149.5] MHz	2000000	0.02386	0.000690955	0.0000035%	0.00889	0.081931221	0.012150%	28000	3.355	0.081933854	0.0119821%	
10	150M TP-M	[150.05 - 152.35] MHz	2000000	3.971	0.091385956	0.0000186%	10.028	0.945193081	0.140548%	28000	36.69	0.945409959	0.1381786%	
11	157M TP/M	[157.45 - 160.6] MHz	2000000	0.02038	0.000471323	0.0000010%	0.007353	0.067338837	0.010073%	28000	2.772	0.067337463	0.0103529%	
12	161M TP/M	[160.975 - 161.475] MHz	2000000	0.05842	0.00068853	0.000004%	0.0101	0.093045323	0.013818%	28000	3.806	0.093040611	0.0135929%	
13	162M TP/M	[162.05 - 174] MHz	2000000	0.007496	0.002823777	0.0000031%	0.04459	0.044781828	0.06108%	28000	1.681	0.044707444	0.0060059%	
14	BAND III VHF	[174 - 216] MHz	2000000	15.82	0.363865353	0.000010%	0.018	1.886701198	0.024858%	28000	7.722	1.886972175	0.0242321%	
15	B1.25 AMATEUR	[220 - 320] MHz	2000000	0.01658	0.000383442	0.0000008%	0.06651	0.061087479	0.09084%	28000	2.5	0.061097985	0.0089288%	
16	30M Linc OM-DC	[300 - 320] MHz	2000000	21.95	0.507632395	0.0000195%	0.243	2.222954097	0.330548%	28000	48.19	1.177585977	0.3248929%	
17	320M TP/M	[320 - 328.6] MHz	2000000	0.03862	0.00077752	0.0000017%	0.00943	0.086992771	0.022956%	28000	90.97	0.086993278	0.0227143%	
18	380M TP/M	[330 - 380] MHz	2000000	0.2196	0.005078637	0.0000012%	0.02413	0.22229541	0.030955%	28000	9.998	0.222321586	0.0324929%	
19	380M IdB TP-M	[335.4 - 380] MHz	2000000	0.02359	0.00054556	0.0000010%	0.00791	0.072870149	0.010838%	28000	2.982	0.072869089	0.0106500%	
20	385M-A1 SP 2o	[385 - 385.25] MHz	2000000	0.001257	2.6827E-05	0.0000001%	0.00154	0.016158564	0.002403%	28000	0.6613	0.016159735	0.0023618%	
21	385M-A1 SP 2o	[385.25 - 385.5] MHz	2000000	0.001257	2.90703E-05	0.0000001%	0.00154	0.016158564	0.002403%	28000	0.6613	0.016159735	0.0023618%	
22	385M-A1 SP 2o	[385.5 - 385.75] MHz	2000000	0.001257	2.49769E-05	0.0000001%	0.00154	0.016158564	0.002403%	28000	0.6613	0.016159735	0.0023618%	
23	385M-A1 SP 2o	[385.75 - 386] MHz	2000000	0.001019	2.35662E-05	0.0000001%	0.00164	0.015451599	0.002325%	28000	0.6197	0.015451814	0.0022132%	
24	385M-D1 SP 2o	[390 - 395] MHz	2000000	0.01952	0.000451484	0.0000010%	0.007196	0.066232489	0.009851%	28000	2.713	0.066239572	0.0096893%	
25	385M-A-R SP 2o	[395 - 395.25] MHz	2000000	0.0006808	1.57447E-05	0.0000000%	0.001344	0.012381477	0.001841%	28000	0.5066	0.012379437	0.0018093%	
26	385M-B-R SP 2o	[395.25 - 395.5] MHz	2000000	0.0003862	1.35569E-05	0.0000000%	0.001247	0.011487973	0.002207%	28000	0.4701	0.011487511	0.0016789%	
27	385M-C-R SP 2o	[395.5 - 395.75] MHz	2000000	0.0009786	2.26118E-05	0.0000000%	0.001611	0.01484119	0.002252%	28000	0.6074	0.014842617	0.0021693%	
28	385M-D-R SP 2o	[395.75 - 396] MHz	2000000	0.00128	2.96023E-05	0.0000001%	0.001843	0.016978468	0.002525%	28000	0.6947	0.016975907	0.0024811%	
29	385M TP-M	[404.1 - 411.675] MHz	204437.5	0.02466	0.000570306	0.0000012%	74.81757731	0.074599957	0.010810%	27803.82941	3.049	0.074596322	0.0109661%	
30	412M IdB SP AF	[411.675 - 416.675] MHz	2070875	0.02145	0.000496609	0.0000010%	75.29972758	0.009498407	0.010019%	27803.82941	3.049	0.009498877	0.0106133%	
31	412M IdB SP AF	[416.675 - 420] MHz	2091687.5	0.01377	0.000318465	0.0000007%	75.67721173	0.055670583	0.007985%	2812.32814	2.778	0.055665924	0.0081000%	
32	420M TP-F/M	[420 - 416.75] MHz	2104187.5	0.007108	0.000164385	0.0000003%	75.90299978	0.006432	0.005720%	29227.19586	1.637	0.040002246	0.0058035%	
33	412M R4 SP AF1	[421.675 - 426.675] MHz	2120875	0.02205	0.000509945	0.0000010%	0.007647	0.070447785	0.010035%	28318.82518	2.883	0.070448984	0.0101805%	
34	412M R4 SP AF1	[426.675 - 430] MHz	2141687.5	0.0141	0.000356383	0.0000008%	0.006193	0.094894926	0.013406%	28457.43463	2.41	0.094899517	0.0084688%	
35	412M R4 SP Tronc	[430 - 440] MHz	2175000	0.04006	0.000916458	0.0000031%	71.16961892	0.094979928	0.013380%	28677.89872	3.886	0.094959151	0.0135505%	
36	40M TP-F/M	[440 - 460] MHz	2257500	0.03971	0.000918364	0.0000031%	78.05158551	0.094519308	0.013145%	29205.66578	3.869	0.094539347	0.0133388%	
37	40M TP-F/M	[440 - 460] MHz	2257500	0.00554	0.000128446	0.0000002%	78.58900003	0.0383723	0.00484%	29245.83304	1.385	0.038344295	0.0049357%	
38	450M-CH1 SP	[450.525 - 461.775] MHz	2262000	0.009875	0.000117669	0.0000002%	78.76634354	0.03846388	0.00468%	29245.83304	1.447	0.03844295	0.0049357%	
39	450M-CH1 SP	[461.775 - 463.025] MHz	2262000	0.001444	3.3395E-05	0.0000001%	78.83474963	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
40	453M-G1 SP	[463.025 - 463.35] MHz	226937.5	0.005709	0.000132031	0.0000003%	78.94320902	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
41	453M-G1 SP	[463.35 - 464.6] MHz	226937.5	0.006226	0.000149367	0.0000003%	78.83474963	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
42	453M-F1 SP	[464.6 - 465.85] MHz	226937.5	0.004265	9.86356E-05	0.0000002%	79.05151959	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
43	453M-F1 SP	[465.85 - 467.1] MHz	226937.5	0.001821	4.21138E-05	0.0000001%	79.12292335	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
44	453M-G2 SP	[467.1 - 467.5] MHz	226937.5	0.006555	0.000151596	0.0000003%	79.21532738	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
45	453M-G2 SP	[467.5 - 469.2375] MHz	2305750	0.004942	0.000114292	0.0000002%	79.45259246	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
46	458M TP/M	[469.2375 - 475] MHz	2312000	0.00425	9.81731E-05	0.0000002%	79.56290593	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
47	450M-CH1 R SP	[475 - 482] MHz	2315937.5	0.005147	1.63775E-05	0.0000000%	79.63067201	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
48	450M-CH2 R SP	[482 - 483.025] MHz	2315937.5	0.000706	1.63775E-05	0.0000000%	79.63067201	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
49	453M-F1 R SP	[483.025 - 483.35] MHz	2315937.5	0.005147	0.000119033	0.0000002%	79.63067201	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
50	453M-F1 R SP	[483.35 - 484.6] MHz	2315937.5	0.005147	0.000117669	0.0000002%	79.63067201	0.038384638	0.00468%	29245.83304	1.385	0.038384295	0.0049357%	
51	453M-F2 R SP	[484.6 - 485.85] MHz	2332375	0.005147	0.000119377	0.0000002%	79.80557781	0.038384638	0.00468%	29697.29444	1.397	0.038384295	0.0049357%	
52	453M-F2 R SP	[485.85 - 487.1] MHz	2332375	0.005147	0.000119377	0.0000002%	79.80557781	0.038384638	0.00468%	29697.29444	1.397	0.038384295	0.0049357%	
53	453M-G2 SP	[487.1 - 487.5] MHz	2336500	0.001361	3.14755E-05	0.0000001%	79.98335452	0.038384638	0.00468%	29723.54391	0.7163	0.038384295	0.0049357%	
54	468M TP/M	[487.5 - 469.525] MHz	2342562.5	0.003848	0.000193062	0.0000004%	80.08705342	0.043353593	0.005276%	29765.08066	45.08	0.043350021	0.0059606%	
55	BAND IV TV UHF	[467.5 - 840] MHz	2655000	5.391	0.124676566	0.0002046%	93.45704892	1.10184002	0.148007%	315.6516078	45.08	1.10184002	0.1428157%	
56	BAND V TV UHF	[840 - 862] MHz	3150000	10.36	0.23959324	0.0003248%	93.45704892	1.527417278	0.177408%	34739.66009	62.49	1.527025268	0.1799257%	
57	CH51 SERVICIA	[862 - 868] MHz	3475000	0.01695	0.000391989	0.0000005%	0.061778409	0.061778409	0.006875%	36248.9224	2.528	0.061775002	0.0069740%	
58	700-G1	[698 - 703] MHz	3502500	0.01534	0.000354765	0.0000044%	97.92775338	0.058765552	0.006514%	36383.07074	2.405	0.058766835	0.0066686%	
59	700-A CEL EN	[703 - 718] MHz	3552500	0.04327	0.00098065	0.0000027%	98.62403172	0.098664892	0.010631%	36594.90867	4.939	0.098668273	0.0110020%	
60	700-B CEL CLAR	[718 - 733] MHz	3627500	0.04385	0.00099982	0.0000027%	99.65986665	0.099294271	0.010696%	37053.7724	4.919	0.099298546	0.0108517%	
61	700-C CEL TA	[733 - 748] MHz	3702500	0.04261	0.00088431	0.0000021%	100.6849797	0.099737869	0.010558%	37416.00272	4.008	0.099740747	0.0107118%	
62	700-D BITS EN	[748 - 763] MHz	3702500	0.596	0.013783549	0.0000156%	103.7038115	0.34623835	0.038383%	38043.0716	14.9			

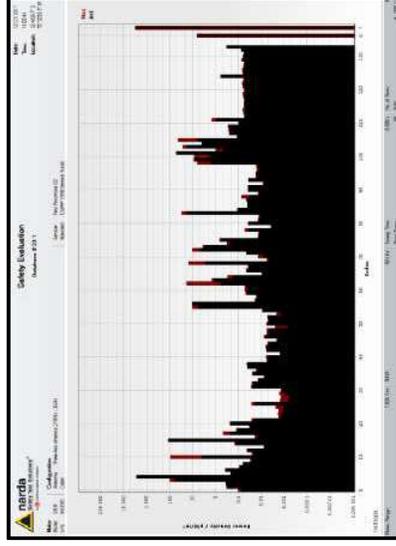
68	800B-1 CEL CLAR	[895 - 845] MHz	4200000	0.061887211	0.0000637%	107.2361879	0.08425	0.7764539	0.078565%	39851.28605	31.76	0.77609736	0.0796963%
69	800A-2 CEL TM	[845 - 806.5] MHz	4238750	0.000107701	0.0000001%	107.6025906	0.08425	0.032381615	0.003267%	39987.4492	1.325	0.032378116	0.0033135%
70	800B-2 CEL CLAR	[846.5 - 849] MHz	4238750	0.000182123	0.0000002%	107.7297429	0.00457	0.042100705	0.00442%	40041.03774	1.723	0.042103769	0.0043038%
71	800 - B15 TM	[895 - 880] MHz	4292500	0.00094969	0.0000010%	108.4063014	0.01063	0.097972899	0.009805%	40287.43464	4.007	0.097916311	0.0099460%
72	800A-1 B15 TM	[885 - 880] MHz	4327500	5.346907053	0.0052876%	109.4162008	0.783	7.333076921	0.7151616%	40661.42958	295.2	7.333337862	0.7259952%
73	800A-1 B15 CLAR	[890 - 891.5] MHz	4425000	5.524983109	0.0053989%	110.0711134	0.796	7.333076921	0.723169%	40904.80565	300.1	7.333337862	0.7336546%
74	800A-2 B15 CLAR	[890 - 891.5] MHz	4437500	0.00545329	0.0000033%	110.0281101	0.02501	0.239402329	0.024648%	41037.47355	9.428	0.239402329	0.0239741%
75	800B-1 B15 CLAR	[894 - 898] MHz	4463750	1.005088016	0.0009736%	110.5302016	0.3395	3.127612581	0.307095%	41083.51821	128	3.127848205	0.3115605%
76	900-1 CEL TM	[891.5 - 894] MHz	4480000	0.00077521	0.0000003%	110.7630586	0.005642	0.051976407	0.005094%	41158.23125	2.127	0.051976407	0.0051679%
77	900-2 CEL TM	[892 - 902] MHz	4500000	0.000266652	0.0000008%	111	0.005531	0.05965383	0.004983%	41250	2.085	0.059649715	0.0050545%
78	900-2 CEL BEL	[892 - 915] MHz	4542500	0.00022156	0.0000008%	111.5229349	0.009711	0.089461696	0.008708%	41444.3339	3.661	0.089461346	0.0088335%
79	915M RMT77	[915 - 916] MHz	4575000	8.66641E-05	0.0000001%	111.9517535	0.009711	0.089461696	0.008708%	41603.69109	1.19	0.029079214	0.0028603%
80	900A-1 B15 TM	[916 - 928] MHz	4670000	0.000821694	0.0000008%	112.3488757	0.009708	0.089434059	0.008641%	41751.12274	3.66	0.089434059	0.0087662%
81	900A-2 B15 TM	[939 - 943] MHz	4705000	0.00028469	0.0000003%	113.5001762	0.005714	0.0523937	0.005034%	42179.11954	2.106	0.0523937	0.0051066%
82	900A-1 B15 TM	[943 - 947] MHz	4750000	0.000246763	0.0000003%	113.7411535	0.005714	0.049019224	0.004678%	42268.67191	2.054	0.049019246	0.0047458%
83	900 B15 BTEL	[947 - 960] MHz	4767500	0.002323267	0.0000033%	114.2551427	0.2219	2.042333378	0.194221%	42458.34356	83.64	2.043853312	0.1969931%
84	80.23** AMATEUR	[1740 - 1300] MHz	6350000	0.002474563	0.0000017%	131.8571196	0.01685	0.155239078	0.012779%	48000.95662	6.352	0.155219467	0.0129630%
85	AMS-A CEL TM	[1710 - 1730] MHz	8600000	0.000941259	0.0000005%	153.4496666	0.01039	0.095716921	0.006719%	57025.21372	3.917	0.095717042	0.0068689%
86	AMS-B CEL TM	[1730 - 1770] MHz	8700000	0.000938253	0.0000005%	154.3392367	0.01037	0.095516733	0.006719%	57395.19744	3.911	0.095570424	0.0068188%
87	AMS-C CEL	[1850 - 1865] MHz	9287500	0.000972712	0.0000005%	155.2237095	0.01056	0.097283031	0.006603%	57684.46665	3.982	0.097305403	0.0069031%
88	PCS-A CEL CLAR	[1865 - 1870] MHz	9375000	0.00076596	0.0000004%	159.8939492	0.005631	0.088586517	0.006303%	59760.581639	3.625	0.088581639	0.0061170%
89	PCS-B CEL TM	[1870 - 1882.5] MHz	9381250	0.000660778	0.0000004%	160.2680957	0.009611	0.051875071	0.00322%	59420.0487	2.123	0.051878295	0.0035729%
90	PCS-C CEL TM	[1882.5 - 1895] MHz	9443750	0.000819599	0.0000004%	160.8010805	0.009661	0.0914537	0.006200%	59559.08962	3.746	0.091538433	0.0062896%
91	PCS-E CEL CLAR	[1895 - 1897.5] MHz	9481250	0.000168016	0.0000001%	161.1200251	0.00439	0.040442472	0.00275%	59757.15831	3.642	0.0404421	0.0026947%
92	PCS-F CEL BTEL	[1897.5 - 1910] MHz	9518750	0.00034482	0.0000002%	161.4883396	0.009621	0.086832579	0.005960%	59875.68502	1.655	0.0404421	0.0027641%
93	169A-G1 SP AFI	[1910 - 1915] MHz	9562500	0.000368872	0.0000002%	161.8089151	0.005289	0.057936835	0.003807%	59993.97756	3.627	0.08630511	0.0064056%
94	169A-B SP AFI	[1915 - 1920] MHz	9587500	0.000279834	0.0000001%	162.0209919	0.005044	0.059917503	0.004014%	60131.69142	2.371	0.059385011	0.0049430%
95	169A-B SP AFI	[1920 - 1925] MHz	9625000	0.000318455	0.0000001%	162.3118994	0.005566	0.052197025	0.003489%	60218.69349	2.136	0.05917842	0.0040728%
96	169A-G2 SP AFI	[1925 - 1945] MHz	9657500	0.000318455	0.0000001%	162.4022205	0.006403	0.055670583	0.003700%	60367.0414	2.278	0.055665924	0.0035430%
97	PCS-A B15 CLAR	[1945 - 1945] MHz	9675000	0.000318455	0.0000001%	162.4630526	0.00393	0.058940856	0.003254%	60523.43296	2.41	0.058915157	0.0038728%
98	PCS-B B15 CLAR	[1945 - 1945] MHz	9725000	7.91397748	0.0035142%	163.2880686	0.9528	8.777593256	0.893254%	60679.42145	359.2	8.777524026	0.0038193%
99	PCS-B B15 TM	[1950 - 1962.5] MHz	9813750	13.96856441	0.0061339%	164.171214	1.266	13.96856441	0.84370%	60815.93817	26.16	13.96856441	0.0061635%
100	PCS-F B15 CLAR	[1962.5 - 1975] MHz	9843750	1.824276633	0.0002997%	164.712138	0.4578	3.498879004	0.34020%	60909.53817	47.72	6.090957276	0.0410909%
101	PCS-F B15 TM	[1975 - 1977.5] MHz	9918750	0.000152869	0.0000003%	164.8823334	0.00115	0.01152869	0.000148%	61009.57276	0.721	0.01152869	0.0001369%
102	PCS-G B15 BTEL	[1977.5 - 1980] MHz	9918750	0.000949127	0.0000004%	165.6493056	0.9798	9.498776337	0.23068%	61113.67011	177.6	4.217078014	0.2313691%
103	AMS-A B15 TM	[2110 - 2130] MHz	1000000	0.00097454	0.0000005%	160	0.99892	0.920593832	0.002450%	61241.54936	148.2	3.669380179	0.2348928%
104	AMS-B B15 TM	[2130 - 2150] MHz	1000000	0.00097454	0.0000005%	160	0.99892	0.920593832	0.002450%	61000	37.67	0.920519552	0.0517644%
105	AMS-C B15 TM	[2150 - 2170] MHz	1000000	0.00097454	0.0000005%	160	0.99892	0.920593832	0.002450%	61000	47.46	1.159274247	0.076903%
106	AMS-D B15 TM	[2170 - 2190] MHz	1000000	0.00097454	0.0000005%	160	0.99892	0.920593832	0.002450%	61000	47.46	1.159274247	0.076903%
107	AMS-E B15 TM	[2190 - 2210] MHz	1000000	0.00097454	0.0000005%	160	0.99892	0.920593832	0.002450%	61000	47.46	1.159274247	0.076903%
108	265-B 3P BW	[2390 - 2390] MHz	1000000	0.000639592	0.0000023%	160	0.0382	0.228651971	0.01533%	61000	6.513	0.232650551	0.0153939%
109	265-C 3P	[2390 - 2390] MHz	1000000	0.000639592	0.0000023%	160	0.0294	0.245247154	0.01896%	61000	3.985	0.234228201	0.015313%
110	265-G 3P	[2390 - 2400] MHz	1000000	0.00219558	0.0000095%	160	0.01587	0.146200918	0.00919%	61000	3.984	0.146228904	0.0096859%
111	264-77711b-g	[2400 - 2483.5] MHz	1000000	0.020120282	0.0000370%	160	0.04804	0.442546409	0.00302%	61000	18.11	0.462281648	0.0296885%
112	265-A1 SP	[2502 - 2507.5] MHz	1000000	0.001107078	0.0000048%	160	0.0117	0.105823884	0.007044%	61000	4.248	0.105805462	0.0069653%
113	265-A2 SP	[2507.5 - 2513] MHz	1000000	0.001152869	0.0000036%	160	0.0115	0.105942694	0.007188%	61000	4.355	0.107739709	0.0071066%
114	265-A3 SP	[2513.5 - 2518.5] MHz	1000000	0.001192416	0.0000052%	160	0.0117	0.107871576	0.007313%	61000	4.409	0.107937454	0.0072340%
115	265-B1 SP	[2518.5 - 2524] MHz	1000000	0.001194728	0.0000052%	160	0.0117	0.107871576	0.007313%	61000	4.413	0.106277353	0.0071295%
116	265-B2 SP	[2524 - 2529.5] MHz	1000000	0.00116207	0.0000050%	160	0.0115	0.106403515	0.007219%	61000	4.356	0.106444654	0.0071406%
117	265-B3 SP	[2529.5 - 2535] MHz	1000000	0.00116597	0.0000050%	160	0.01227	0.113036249	0.007659%	61000	4.625	0.113017953	0.0075820%
118	265-C1 SP	[2535 - 2540.5] MHz	1000000	0.00113212	0.0000057%	160	0.0113	0.104100213	0.007063%	61000	4.26	0.106297966	0.0071311%
119	265-C2 SP	[2540.5 - 2546] MHz	1000000	0.00113922	0.0000057%	160	0.0115	0.106311191	0.00713%	61000	4.356	0.106297966	0.0071311%
120	265-C3 SP	[2546 - 2551.5] MHz	1000000	0.001160732	0.0000059%	160	0.01229	0.113320497	0.00781%	61000	4.634	0.11332788	0.0075967%
121	265-D1 SP	[2551.5 - 2557] MHz	1000000	0.0013173	0.0000057%	160	0.01174	0.11193767	0.007544%	61000	4.549	0.11160793	0.0074574%
122	265-D2 SP	[2557 - 2562.5] MHz	1000000	0.00120236	0.0000052%	160	0.01207	0.108153672	0.007338%	61000	4.427	0.108179563	0.007574%
123	265-D3 SP	[2562.5 - 2568] MHz	1000000	0.00120236	0.0000052%	160	0.01174	0.108153672	0.007338%	61000	4.427	0.108179563	0.007574%
124	265-8CH Restrict	[2568 - 2624] MHz	1000000	0.012509265	0.0000541%	160	0.03788	3.489866022	0.023675%	61000	14.28	0.348950565	0.0334098%
125	265-E1 SP	[2624 - 2629.5] MHz	1000000	0.00132924	0.0000062%	160	0.01282	0.118103073	0.008013%	61000	4.833	0.118100706	0.0079230%
126	265-E2 SP	[2629.5 - 2635] MHz	1000000	0.00132924	0.0000062%	160	0.01202	0.110733146	0.007513%	61000	4.532	0.110745376	0.0074929%
127	265-E3 SP	[2635 - 2640.5] MHz	1000000	0.00125879	0.0000054%	160	0.01202	0.110733146	0.007513%	61000	4.53	0.110696503	0.0074262%
128	265-F1 SP	[2640.5 - 2646] MHz	1000000	0.001199585	0.0000052%	160	0.01173	0.108961548	0.007331%	61000	4.422	0.108057381	0.0072492%
129	265-F2 SP	[2646 - 2651.5] MHz	1000000	0.00138113	0.0000060%	160	0.01259	0.115986419	0.007869%	61000	4.745	0.11595031	0.0077787%
130	265-F3 SP	[2651.5 - 2657] MHz	1000000	0.0012631	0.0000056%	160	0.01215	0.11193076	0.007794%	61000	4.579	0.111893862	0.0077029%
131	265-G1 SP	[2657 - 2662.5] MHz	1000000	0.001356385	0.0000058%	160	0.01247	0.114897873	0.008413%	61000	4.702	0.114895491	0.0083164%
132	265-G2 SP	[2662.5 - 2668] MHz	1000000	0.001578864	0.0000068%	160	0.01346	0.123999014	0.012399014	61000	5.073	0.123965421	0.0083164%
133	265-G3 SP	[2668 - 2690] MHz	1000000										



**REPORTE DE MEDICIÓN DE RADIACIONES NO IONIZANTES PARA LOS
SISTEMAS DE RADIODIFUSIÓN Y TELEFONÍA MÓVIL EN EL CENTRO DE LA
CIUDAD DE HUANCAYO**

RNI-18

Fecha de Medición	12/29/2018
Hora de Medición	12:27:41
Resolución de Ancho de Banda	50 kHz
Tiempo de promedio de Medición	6 min
Progreso de Medición	100%
N° de Corridas	9
Estándar de Medición	ICNIRP 1998 General Public
Servicio del Área de medición	Perú Provincias 02
Fecha de Calibración de Antena	2/02/2018
Tipo de Antena	Three-Axis Antenna 27MHz - 3GHz
N° de Serie del Dispositivo	M-0090
GPS	Si
Satelites en uso	18
GPS Altitud	3280 m
GPS Latitud	12°4'04.9" S
GPS Longitud	75°12'19.2" W
Comentario	M24



Index	Service	Rango de Frecuencias	DENSIDAD DE POTENCIA (Seq)(W/m ²)			INTENSIDAD DE CAMPO MAGNÉTICO (H)(A/m)			INTENSIDAD DE CAMPO ELÉCTRICO (E)(V/m)				
			ECA (µW/m ²)	Act convert (µW/m ²)	Distribución Porcentual (%)	% del valor Act respecto del ECA	ECA (mA/m)	Act convert (mA/m)	Distribución Porcentual (%) del valor Act respecto del ECA	ECA (mV/m)	Act convert (mV/m)	Distribución Porcentual (%) del valor Act respecto del ECA	
0	72M TP CW/Band	[16,965 - 27,405] MHz	2000000	0.07156		0.0000316%	0.0148378	0.00862163	0.018877%	28000	5.194	0.08653275	0.0185500%
1	B10 AMATEUR	[28 - 29.7] MHz	2000000	0.302	0.096112205	0.0000151%	0.023	0.202193842	0.0838767%	28000	10.67	0.198906952	0.081071%
2	B6 AMATEUR	[50 - 54] MHz	2000000	0.3551	0.007186901	0.0000178%	0.03069	0.219644255	0.042041%	28000	11.57	0.215033483	0.0413214%
3	BAND I VHF	[54 - 88.5] MHz	2000000	397.7	6.03517703	0.0148852%	0.8862	6.359592313	1.317160%	28000	335	6.245120736	1.964938%
4	BAND II VHF	[88 - 108] MHz	2000000	1.277	0.035845318	0.0000639%	0.0582	0.416519672	0.079754%	28000	21.94	0.407764445	0.0783571%
5	108M TP BA	[108 - 117.975] MHz	2000000	0.204	0.007168714	0.0000103%	0.03036	0.163468732	0.031863%	28000	8.769	0.16397558	0.0313175%
6	118M TP M(R)	[117.975 - 137] MHz	2000000	0.359	0.007168714	0.0000103%	0.03064	0.219328643	0.041933%	28000	11.55	0.314661775	0.0411500%
7	138M TP M	[138 - 148] MHz	2000000	0.68653	0.001748598	0.0000043%	0.04064	0.108211832	0.020712%	28000	5.699	0.105918694	0.0203956%
8	B2 AMATEUR	[148 - 148.5] MHz	2000000	0.03584	0.000604539	0.0000028%	0.02123	0.067095904	0.016677%	28000	4.388	0.065269976	0.0166857%
9	148M TP M	[148 - 149.5] MHz	2000000	0.2386	0.000604539	0.0000028%	0.03089	0.079249577	0.02150%	28000	3.335	0.062359435	0.0119821%
10	150M TP M	[150.05 - 152.35] MHz	2000000	3.971	0.000369426	0.00001986%	0.1028	0.052624445	0.014048%	28000	36.69	0.175070481	0.01381766%
11	157M TP M	[157.45 - 160.6] MHz	2000000	0.02038	0.000414743	0.0000010%	0.007353	0.053624445	0.010073%	28000	2.772	0.051318826	0.0135929%
12	161M TP M	[160.975 - 161.475] MHz	2000000	0.05842	0.000775586	0.0000010%	0.0101	0.072284559	0.013808%	28000	3.806	0.070793166	0.0135929%
13	162M TP M	[162.05 - 174] MHz	2000000	0.01221	0.000471193	0.0000004%	0.004459	0.03192471	0.004251%	28000	1.681	0.126102177	0.0442321%
14	BAND III VHF	[174 - 176] MHz	2000000	506.3	10.27055116	0.02531536%	0.18	0.12882361	0.024508%	28000	6.785	0.74267865	0.0096460%
15	B1.25 AMATEUR	[220 - 221] MHz	2000000	0.01935	0.000391626	0.0000010%	0.007165	0.051278954	0.009815%	28000	2.701	0.05019926	0.0096460%
16	30M Linc.M-D	[305 - 320] MHz	2000000	303.4	6.140539862	0.0137006%	0.8971	6.420455385	1.228904%	28000	338.2	6.285994128	1.7078571%
17	310M Linc.M	[310 - 322] MHz	2000000	287.1	5.810642679	0.0149530%	0.8727	6.285798024	1.19579%	28000	329	6.114668126	1.7078571%
18	322M TP M	[322 - 328.6] MHz	2000000	0.03146	0.000636722	0.0000016%	0.009135	0.065377982	0.002514%	28000	3.444	0.064006238	0.0173000%
19	350M Linc.M	[350 - 380] MHz	2000000	0.2135	0.004321046	0.0000010%	0.0238	0.17039344	0.032603%	28000	8.971	0.166729938	0.0320939%
20	380M Linc.M	[380 - 385] MHz	2000000	0.001381	2.79502E-05	0.0000001%	0.007323	0.053841112	0.001905%	28000	2.856	0.052708294	0.0011286%
21	385M-A1 SP 2o	[385 - 385.25] MHz	2000000	0.001381	2.79502E-05	0.0000001%	0.001314	0.013698244	0.00262%	28000	0.7215	0.01404991	0.0003768%
22	385M-B1 SP 2o	[385.25 - 385.5] MHz	2000000	0.001257	2.54405E-05	0.0000001%	0.001326	0.01306844	0.002501%	28000	0.6885	0.012796072	0.0024589%
23	385M-C1 SP 2o	[385.5 - 385.75] MHz	2000000	0.001019	2.06236E-05	0.0000001%	0.001693	0.012116576	0.002319%	28000	0.6197	0.011861225	0.0022793%
24	385M-D1 SP 2o	[385.75 - 386] MHz	2000000	0.001192	1.37788E-05	0.0000001%	0.001644	0.051500817	0.009858%	28000	2.713	0.054422285	0.0096893%
25	385M-E1 SP 2o	[390 - 395] MHz	2000000	0.0006808	1.0003995067	0.0000000%	0.007196	0.051500817	0.009858%	28000	0.6197	0.054422285	0.0096893%
26	385M-A-R SP 2o	[395 - 395.25] MHz	2000000	0.0009862	1.37788E-05	0.0000001%	0.001344	0.00961883	0.001841%	28000	0.5066	0.009415381	0.0018093%
27	385M-B-R SP 2o	[395.25 - 395.5] MHz	2000000	0.0009786	1.18642E-05	0.0000000%	0.001247	0.008924613	0.001708%	28000	0.4701	0.008737013	0.0016789%
28	385M-C-R SP 2o	[395.5 - 395.75] MHz	2000000	0.0009786	1.18642E-05	0.0000000%	0.001611	0.011529713	0.002207%	28000	0.6074	0.011288793	0.0021693%
29	385M-D-R SP 2o	[395.75 - 396] MHz	2000000	0.00128	2.5906E-05	0.0000001%	0.001843	0.013190106	0.002525%	28000	0.6947	0.0151302	0.0024811%
30	385M-E-R SP 2o	[400 - 440] MHz	2000000	0.02466	0.000490906	0.0000012%	0.006868	0.0784742	0.010810%	28000	6.947	0.056669991	0.0109661%
31	408M TP F-M ma	[411.675 - 416.675] MHz	204437.5	0.02145	0.000431228	0.0000001%	0.006868	0.0784742	0.010810%	27803.82941	6.947	0.056669991	0.0109661%
32	412M Linc SP	[416.675 - 420] MHz	2091687.5	0.001377	0.000431228	0.0000001%	0.007544	0.053931406	0.010019%	27988.02359	2.844	0.052856977	0.0101633%
33	417M Linc SP	[420 - 421.675] MHz	2104187.5	0.007108	0.000143859	0.0000003%	0.006643	0.043248949	0.007985%	2812.3337621	2.728	0.043337621	0.0016000%
34	420M TP F-M ma	[421.675 - 426.675] MHz	212087.5	0.02205	0.000446272	0.0000001%	0.007647	0.054728564	0.010035%	28318.82518	2.883	0.050240357	0.0058035%
35	412M R-SP AF1	[426.675 - 430] MHz	2141687.5	0.0141	0.000311884	0.0000001%	0.006193	0.045733852	0.00849%	28457.43463	2.41	0.050158109	0.0101803%
36	417M R-SP Tronc	[430 - 440] MHz	2175000	0.04006	0.000810778	0.0000001%	0.009301	0.078787301	0.01345%	28677.89872	3.886	0.077222301	0.0084688%
37	407M TP F-M ma	[440 - 460] MHz	2255750	0.03971	0.000803694	0.0000001%	0.01026	0.073439458	0.01345%	29005.66578	3.869	0.077222301	0.0133386%
38	450M-CH1 L SP	[460.525 - 461.775] MHz	2262000	0.005554	0.000112408	0.0000002%	0.003874	0.0262902	0.00484%	29205.40136	1.447	0.025740828	0.0049456%
39	450M-CH2 L SP	[461.775 - 463.025] MHz	2262000	0.005554	0.000112408	0.0000002%	0.003874	0.0262902	0.00484%	29205.40136	1.447	0.025740828	0.0049456%
40	453M-G1 L SP	[463.025 - 463.35] MHz	226937.5	0.001444	2.9252E-05	0.0000001%	0.001957	0.014005989	0.002485%	29271.27652	0.7379	0.027264833	0.0050074%
41	453M-G2 L SP	[463.35 - 464.6] MHz	226937.5	0.001444	2.9252E-05	0.0000001%	0.001957	0.014005989	0.002485%	29271.27652	0.7379	0.027264833	0.0050074%
42	453M-F1 L SP	[464.6 - 465.85] MHz	226937.5	0.005709	0.00012609	0.0000003%	0.003663	0.029085508	0.005148%	29337.00335	1.532	0.025623286	0.0052221%
43	453M-F2 L SP	[465.85 - 467.1] MHz	226937.5	0.006226	0.00012609	0.0000003%	0.003663	0.029085508	0.005148%	29337.00335	1.532	0.025623286	0.0052221%
44	453M-G3 L SP	[467.1 - 467.5] MHz	2286500	0.001821	3.6854E-05	0.0000001%	0.00298	0.02844136	0.005264%	29438.12864	1.268	0.025623286	0.0053400%
45	453M-G4 L SP	[467.5 - 469.2375] MHz	2305750	0.004942	0.000132667	0.0000002%	0.00417	0.02844136	0.005264%	29438.12864	1.268	0.025623286	0.0053400%
46	458M TP M	[469.2375 - 471.775] MHz	2312000	0.004942	0.000132667	0.0000002%	0.00417	0.02844136	0.005264%	29438.12864	1.268	0.025623286	0.0053400%
47	450M-CH1 R SP	[471.775 - 473.025] MHz	231937.5	0.004942	8.59149E-05	0.0000000%	0.003821	0.025915016	0.00457%	29527.29612	1.365	0.025369119	0.0042784%
48	450M-CH2 R SP	[473.025 - 473.35] MHz	231937.5	0.004942	8.59149E-05	0.0000000%	0.003821	0.025915016	0.00457%	29527.29612	1.365	0.025369119	0.0042784%
49	453M-F1 R SP	[473.35 - 464.6] MHz	231937.5	0.005147	0.000104171	0.0000000%	0.003895	0.02644624	0.004178%	29592.46301	1.519	0.025369119	0.0047433%
50	453M-F2 R SP	[464.6 - 465.85] MHz	231937.5	0.005147	0.000104171	0.0000000%	0.003895	0.02644624	0.004178%	29592.46301	1.519	0.025369119	0.0047433%
51	453M-F3 R SP	[465.85 - 467.1] MHz	233237.5	0.005147	0.000104171	0.0000000%	0.003895	0.02644624	0.004178%	29592.46301	1.519	0.025369119	0.0047433%
52	453M-G2 R SP	[467.1 - 467.5] MHz	2335000	0.001361	2.75454E-05	0.0000001%	0.003706	0.02652395	0.004636%	29617.80852	1.393	0.025740828	0.004700%
53	453M-G3 R SP	[467.5 - 469.2375] MHz	234560.5	0.00348	0.000168956	0.0000004%	0.003706	0.02652395	0.004636%	29617.80852	1.393	0.025740828	0.004700%
54	468M TP M	[467.5 - 469.2375] MHz	234560.5	0.00348	0.000168956	0.0000004%	0.003706	0.02652395	0.004636%	29617.80852	1.393	0.025740828	0.004700%
55	BAND IV TV UHF	[470 - 584] MHz	2655000	5.391	0.109108933	0.0000046%	0.01196	0.85596132	0.148007%	29762.80866	45.08	0.837831411	0.0296060%
56	BAND V TV UHF	[584 - 692] MHz	3150000	10.36	0.20967697	0.0003248%	0.1658	1.186698585	0.177408%	31665.16078	62.49	1.161403835	0.1428157%
57	CH51 SERVICIA	[692 - 692] MHz	3475000	0.0195	0.000343053	0.0000005%	0.006706	0.047959482	0.006706%	36248.9224	2.528	0.046989398	0.0069740%
58	700-G1	[698 - 703] MHz	3502500	0.01534	0.000310468	0.0000004%	0.006379	0.045653656	0.006314%	36380.07074	2.405	0.046989398	0.0069740%
59	700-A CELN	[703 - 718] MHz	3552500	0.04327	0.000875745	0.0000012%	0.006713	0.076650048	0.010836%	36559.90867	4.039	0.075066572	0.0110020%
60	700-B CELN	[718 - 733] MHz	3627500	0.04385	0.000867245	0.0000012%	0.006713	0.076650048	0.010836%	36559.90867	4.039	0.075066572	0.0110020%
61	700-C CELN	[733 - 748] MHz	3702500	0.04261	0.000867245	0.0000012%	0.006713	0.076650048	0.010836%	36559.90867	4.039	0.075066572	0.0110020%
62	700-A B15N	[758 - 778] MHz	3827500	0.596	0.012062488	0.0000158%	0.9376	0.284557041	0.038838%	39043.02716	14.99	0.78596671	0.094027%
63	700-B B15N	[778 - 788] MHz	3902500	1.138	0.023236693	0.00							

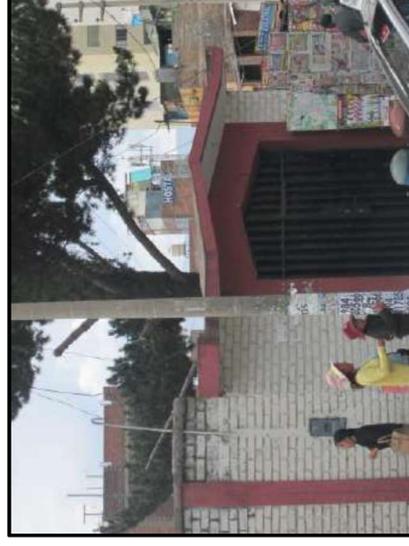
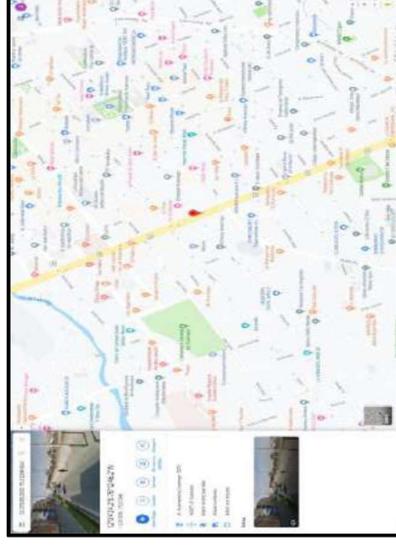
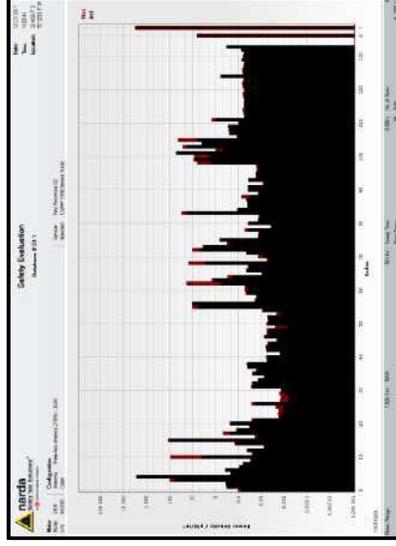
68	800B-1 CEL CLAR	[835 - 845] MHz	2.676	0.054155804	0.00000376	107.2361879	0.08425	0.602966063	0.0785656	39851.28605	31.76	0.07969636
69	800A-2 CEL TM	[845 - 860.5] MHz	0.00457	0.00000001	0.00000001	107.6025906	0.003515	0.025156388	0.0032676	39987.4492	1.325	0.0024625701
70	800B-2 CEL CLAR	[860.5 - 849] MHz	0.0007875	0.000159383	0.00000001	107.7297429	0.00457	0.032706883	0.0044270	40034.27074	1.723	0.003020705
71	800 - B15 EN	[851 - 866] MHz	0.04259	0.000861983	0.00000106	108.4066314	0.01063	0.797270489	0.0098055	40287.47467	4.007	0.009946606
72	800A-1 B15 TM	[868 - 880] MHz	4.681	0.094739179	0.00001071	109.4162008	0.1114	0.797270489	0.10181316	40661.42598	42.01	0.780771838
73	800A-2 B15 CLAR	[880 - 890] MHz	3.223	0.065230586	0.00000738	110.0711134	0.09247	0.669490786	0.0840095	40904.80565	34.86	0.647888265
74	800A-1 B15 TM	[890 - 891.5] MHz	0.2358	0.004772377	0.00000036	110.0281101	0.02501	0.178993249	0.0224688	41037.47355	9.428	0.085229214
75	800B-2 B15 CLAR	[891.5 - 894] MHz	0.5647	0.011428014	0.00001276	110.5520126	0.0387	0.266970741	0.0350066	41083.51821	14.59	0.175223481
76	900-1 CEL TM	[894 - 898] MHz	0.012	0.000242869	0.00000001	110.7630586	0.005642	0.060379045	0.0050946	41158.23125	2.127	0.03953122
77	900-2 CEL TM	[898 - 902] MHz	0.01153	0.000233357	0.00000001	111	0.005331	0.039584633	0.0049833	41250	2.085	0.00883359
78	900-1 CEL BEL	[902 - 915] MHz	0.03355	0.0007195	0.00000008	111.5229349	0.009711	0.069500338	0.0087088	41444.3339	3.661	0.068041778
79	915M FM777	[915 - 916] MHz	0.003756	7.6018E-05	0.00000013	111.951753	0.009711	0.02259423	0.0028206	41602.16668	1.16	0.022116668
80	916M FM777	[916 - 921] MHz	0.03353	0.000719505	0.00000008	112.3484757	0.009708	0.069478867	0.0086411	41751.12274	3.66	0.066022692
81	900A-2 B15 TM	[921 - 931] MHz	0.0131	0.000249143	0.00000036	113.5001762	0.005714	0.030889439	0.0050349	42179.11954	2.154	0.004033027
82	900A-1 B15 TM	[931 - 947] MHz	0.01067	0.000115951	0.00000001	113.7411535	0.005321	0.03808169	0.007283283	42268.67191	2.006	0.037283283
83	900 B15 BEL	[947 - 960] MHz	18.56	0.375637506	0.00008936	114.2551427	0.2219	1.588108836	1.9422116	42458.34356	83.64	1.554485786
84	80.23** AMATEUR	[1740 - 1300] MHz	0.107	0.001625583	0.00000176	131.8512196	0.01685	0.122059323	0.0127795	48000.93662	6.352	0.0119054683
85	AMS-A CEL TM	[1710 - 1730] MHz	0.04057	0.000823731	0.00000054	153.4496666	0.01039	0.074259885	0.0067196	57025.21374	3.917	0.077799149
86	AMS-B CEL EN	[1730 - 1770] MHz	0.04057	0.000823731	0.00000054	154.3392367	0.01037	0.074259885	0.0067196	57355.21374	3.911	0.077687636
87	AMS-C CEL	[1850 - 1865] MHz	0.03486	0.000851256	0.00000046	155.2237095	0.01056	0.075576518	0.00660306	57684.46665	3.982	0.074007202
88	AMS-D CEL	[1865 - 1870] MHz	0.01196	0.000705535	0.00000046	159.4657784	0.009616	0.068820435	0.00603036	59760.74533	3.625	0.067372202
89	PCS-B CEL EN	[1870 - 1885] MHz	0.03122	0.00024206	0.00000044	159.8939492	0.005631	0.040300319	0.0032226	59420.0487	2.123	0.039456879
90	PCS-C CEL TM	[1885 - 1895] MHz	0.03722	0.000753299	0.00000044	160.2680957	0.009971	0.07111779	0.0062006	59559.08962	3.746	0.06962104
91	PCS-E CEL EN	[1895 - 1897.5] MHz	0.03918	0.000712011	0.00000044	160.8010805	0.009661	0.069142494	0.0060088	59757.15831	3.642	0.067688154
92	PCS-F CEL CLAR	[1897.5 - 1910] MHz	0.03949	0.000706344	0.00000044	161.1200251	0.004639	0.03148647	0.0027595	59875.68502	1.655	0.030758895
93	169A-G1 SP AFI	[1910 - 1915] MHz	0.01991	0.000301765	0.00000024	161.4883396	0.006289	0.06885622	0.0059606	59993.79756	3.627	0.067409373
94	169A-B5 SP AFI	[1915 - 1920] MHz	0.01995	0.000322813	0.00000024	161.8089151	0.005289	0.045009538	0.0038877	60131.69142	2.371	0.044660606
95	169A-B5 SP AFI	[1920 - 1925] MHz	0.0121	0.000244893	0.00000014	162.2020919	0.005504	0.046548264	0.0040146	60210.24863	2.452	0.045571487
96	169A-B5 SP AFI	[1925 - 1930] MHz	0.01377	0.000278692	0.00000014	162.4422205	0.005566	0.04505081	0.0034893	60288.69349	2.136	0.039598489
97	169A-G2 SP AFI	[1930 - 1945] MHz	1.541	0.031188437	0.000001596	162.8630501	0.006433	0.043248949	0.0037206	60367.0414	2.278	0.042333761
98	PCS-A B15 CLAR	[1945 - 1950] MHz	1.4	7.600136851	0.000001596	163.2680968	1.4	0.457598521	0.0035446	60523.43296	2.41	0.447900894
99	PCS-B B15 TM	[1950 - 1962.5] MHz	967.4	19.57929546	0.0098964	163.827166	1.902	10.1961411	0.8574088	60854.42145	576	10.70521058
100	PCS-C B15 EN	[1962.5 - 1975] MHz	1.434	15.68544143	0.0088944	164.123146	1.902	10.1961411	0.8574088	60854.42145	576	10.70521058
101	PCS-D B15 CLAR	[1975 - 1977.5] MHz	10.11	0.204617198	0.000287136	164.717124	0.1638	1.177294851	0.0985846	60915.58317	703.9	13.08228772
102	PCS-E B15 TM	[1977.5 - 1990] MHz	76.67	1.53481924	0.000673294	164.8423338	0.448	3.206270515	0.2718278	61113.67011	61.74	11.474649759
103	PCS-F B15 EN	[1990 - 2000] MHz	48.48	0.94480926	0.000460026	165.160	0.146	2.701769636	0.2165205	61241.54936	168.9	3.138079977
104	AMS-A B15 TM	[2110 - 2130] MHz	776.4	10.01430163	0.000001336	165.160	0.146	2.701769636	0.2165205	61241.54936	168.9	3.138079977
105	AMS-B B15 EN	[2130 - 2150] MHz	10.00000	0.077648026	0.000001336	165.160	0.146	2.701769636	0.2165205	61241.54936	168.9	3.138079977
106	AMS-C B15 EN	[2150 - 2170] MHz	10.00000	0.077648026	0.000001336	165.160	0.146	2.701769636	0.2165205	61241.54936	168.9	3.138079977
107	AMS-D B15 EN	[2170 - 2190] MHz	10.00000	0.077648026	0.000001336	165.160	0.146	2.701769636	0.2165205	61241.54936	168.9	3.138079977
108	265-B 3P BW	[2390 - 2390] MHz	0.2457	0.004695226	0.00002326	166	0.0382	0.178334666	0.0153336	61000	6.513	0.0153336
109	265-C 3P	[2390 - 2390] MHz	0.2623	0.005320557	0.00002326	166	0.0294	0.181991153	0.0158946	61000	9.385	0.178141395
110	265-G 3P	[2390 - 2400] MHz	0.09498	0.001321309	0.000000396	166	0.01587	0.113579483	0.0091936	61000	3.984	0.112125245
111	265-A1 SP	[2400 - 2483.5] MHz	0.87	0.017608008	0.00003076	166	0.04804	0.348315901	0.0300236	61000	18.11	0.335822228
112	265-A2 SP	[2483.5 - 2513] MHz	0.04787	0.000968845	0.00000468	166	0.01127	0.086657894	0.0070446	61000	4.248	0.086657894
113	265-A3 SP	[2513 - 2513] MHz	0.04985	0.001088919	0.00000536	166	0.0115	0.082303973	0.0071886	61000	4.335	0.082303973
114	265-A4 SP	[2513.5 - 2524] MHz	0.05156	0.001045527	0.00000526	166	0.0117	0.083735346	0.0073136	61000	4.409	0.083735346
115	265-B1 SP	[2524 - 2529.5] MHz	0.05017	0.001045551	0.00000526	166	0.01171	0.0838069515	0.0073136	61000	4.413	0.0838069515
116	265-B2 SP	[2529.5 - 2535] MHz	0.05033	0.001051595	0.00000526	166	0.01154	0.0829590248	0.0072139	61000	4.356	0.0829590248
117	265-B3 SP	[2535 - 2540.5] MHz	0.05074	0.001148566	0.00000576	166	0.01227	0.087814761	0.0076699	61000	4.625	0.087814761
118	265-C1 SP	[2540.5 - 2546] MHz	0.04814	0.00097431	0.00000468	166	0.0113	0.0808726	0.0070636	61000	4.26	0.0808726
119	265-C2 SP	[2546 - 2551.5] MHz	0.05019	0.00101518	0.00000506	166	0.01154	0.082590248	0.0071336	61000	4.35	0.082590248
120	265-C3 SP	[2551.5 - 2557] MHz	0.05096	0.001152819	0.00000576	166	0.01229	0.087957898	0.0078136	61000	4.634	0.087957898
121	265-D1 SP	[2557 - 2562.5] MHz	0.05489	0.00110924	0.00000554	166	0.01207	0.086383387	0.0075446	61000	4.549	0.086383387
122	265-D2 SP	[2562.5 - 2568] MHz	0.05199	0.00105223	0.00000526	166	0.01174	0.084021621	0.0073388	61000	4.427	0.084021621
123	265-D3 SP	[2568 - 2624] MHz	0.5409	0.010947324	0.00005416	166	0.03788	0.27110213	0.0236756	61000	14.28	0.265400012
124	265-E1 SP	[2624 - 2629.5] MHz	0.05196	0.001254014	0.00000624	166	0.01282	0.091751038	0.0080136	61000	4.833	0.091751038
125	265-E2 SP	[2629.5 - 2635] MHz	0.05448	0.001102626	0.00000546	166	0.01202	0.086025544	0.0075136	61000	4.532	0.086025544
126	265-E3 SP	[2635 - 2640.5] MHz	0.05443	0.001101614	0.00000546	166	0.01202	0.086025544	0.0075136	61000	4.532	0.086025544
127	265-E4 SP	[2640.5 - 2646] MHz	0.05187	0.001048902	0.00000526	166	0.01173	0.083950036	0.0073316	61000	4.422	0.083950036
128	265-F1 SP	[2646 - 2651.5] MHz	0.05074	0.001208678	0.00000606	166	0.01259	0.090104958	0.0078696	61000	4.745	0.090104958
129	265-F2 SP	[2651.5 - 2657] MHz	0.04719	0.001153662	0.00000756	166	0.01409	0.102840259	0.0086866	61000	5.31	0.09868666
130	265-F3 SP	[2657 - 2662.5] MHz	0.07712	0.001560839	0.00000776	166	0.0143	0.102343201	0.0089036	61000	5.392	0.102343201
131	265-G1 SP	[2662.5 - 2668] MHz	0.287	0.001592816	0.00000796	166	0.01445	0.103416731	0.0090316	61000	5.447	0.103416731
132	265-G2 SP	[2668 - 2690] MHz	2.235	0.045234366	0.00001256	166	0.077	0.551078776	0.0481256	61000	29.03	0.539531579
133	Others		6.361	0.12874085	0.00010606	160	0.1289	0.929677052	0.0811886	61000	48.97	0.910128754
	Máximo		967.4	19.57929546	0.07764006	-	1.902	13.61236146	1.2315076	61241.54916	703.9	13.08228772
	Mínimo		0.0005862	1.18643E-05	0.00000006	-	0.001247	0.008954613	0.0017088	27803.82941	0.4701	0.006737013
	Total		4940.933661	100	0.22166196	-	13.972594	100	12.0838206	5880.5574	100%	12.3075636



**REPORTE DE MEDICIÓN DE RADIACIONES NO IONIZANTES PARA LOS
SISTEMAS DE RADIODIFUSIÓN Y TELEFONÍA MÓVIL EN EL CENTRO DE LA
CIUDAD DE HUANCAYO**

RNI-19

Fecha de Medición	12/29/2018
Hora de Medición	13:08:06
Resolución de Ancho de Banda	50 kHz
Tiempo de promedio de Medición	6 min
Progreso de Medición	100%
N° de Corridas	7
Estándar de Medición	ICNIRP 1998 General Public
Servicio del Área de medición	Perú Provincias 02
Fecha de Calibración de Antena	2/02/2018
Tipo de Antena	Three-Axis Antenna 27MHz - 3GHz
N° de Serie del Dispositivo	M-0090
GPS	Si
Satelites en uso	18
GPS Altitud	3265 m
GPS Latitud	12°4'24.2" S
GPS Longitud	75°12'46.2" W
Comentario	M25



Index	Service	Rango de Frecuencias	DENSIDAD DE POTENCIA (Seq)(W/m ²)			INTENSIDAD DE CAMPO MAGNÉTICO (H)(A/m)			INTENSIDAD DE CAMPO ELÉCTRICO (E)(V/m)				
			ECA (µW/m ²)	Act convert (µW/m ²)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mA/m)	Act convert (mA/m)	Distribución Percentual (%)	% del valor Act respecto del ECA	ECA (mV/m)	Act convert (mV/m)	Distribución Percentual (%)
0	72M TP Ctv-Band	[16.965 - 27.405] MHz	2000000	0.07156	0.00248	0.0000356%	0.01378	0.00248	0.018977%	28000	5.194	0.00248	0.018500%
1	B10 AMATEUR	[28 - 29.7] MHz	2000000	0.302	0.01	0.0000151%	0.0283	0.01	0.038767%	28000	10.67	0.01	0.0381071%
2	B6 AMATEUR	[35.5 - 51] MHz	2000000	0.3551	0.012	0.0000178%	0.03069	0.012	0.042041%	28000	11.57	0.012	0.0413214%
3	BAND I VHF	[154 - 180] MHz	2000000	600.88	79.57	0.0134600%	0.4019	79.57	0.550548%	28000	151.5	79.57	0.5410714%
4	BAND II VHF	[168 - 108] MHz	2000000	273.8	79.57	0.0134600%	0.3695	79.57	0.369578%	28000	101.6	79.57	0.3628571%
5	BAND III VHF	[108 - 117.075] MHz	2000000	0.0276	0.00104	0.0000164%	0.02706	0.00104	0.003107%	28000	1.63	0.00104	0.0064026%
6	118M TP-A(R)	[117.075 - 137] MHz	2000000	0.456	0.053	0.0000358%	0.08401	0.053	0.064589%	28000	12.82	0.053	0.047857%
7	138M TP-F(M)	[138 - 144] MHz	2000000	0.116	0.0139	0.0000058%	0.01754	0.0139	0.014027%	28000	6.614	0.0139	0.0236136%
8	B2 AMATEUR	[144 - 148] MHz	2000000	0.05884	0.00194	0.0000028%	0.021215	0.00194	0.016677%	28000	4.386	0.00194	0.0168857%
9	148M TP-F(M)	[148 - 159] MHz	2000000	0.2386	0.0104	0.0000035%	0.008899	0.0104	0.012150%	28000	3.355	0.0104	0.0119821%
10	154M TP-F(M)	[154.05 - 159] MHz	2000000	3.971	0.138	0.0000186%	0.1028	0.138	0.140498%	28000	36.69	0.138	0.1381766%
11	157M TP-F(M)	[157.45 - 160.6] MHz	2000000	0.02038	0.00071	0.0000010%	0.0207353	0.00071	0.0101073%	28000	2.772	0.00071	0.0135925%
12	157M TP-F(M)	[157.45 - 160.6] MHz	2000000	0.05842	0.00133	0.0000019%	0.0101	0.00133	0.013818%	28000	3.86	0.00133	0.0135925%
13	162M TP-F(M)	[162.05 - 174] MHz	2000000	0.007496	0.00026	0.0000004%	0.00459	0.00026	0.006108%	28000	1.681	0.00026	0.0060058%
14	BAND III VHF	[174 - 176] MHz	2000000	114	0.0424	0.0000031%	0.018	0.0424	0.0424858%	28000	6.785	0.0424	0.0424321%
15	BAND III VHF	[174 - 176] MHz	2000000	114	0.0424	0.0000031%	0.018	0.0424	0.0424858%	28000	6.785	0.0424	0.0424321%
16	B1.25 AMATEUR	[220 - 222] MHz	2000000	0.01464	0.00051	0.0000007%	0.006331	0.00051	0.008258%	28000	2.949	0.00051	0.0083895%
17	305M Lin-COM-OC	[305 - 320] MHz	2000000	0.7338	0.0812	0.000017%	0.2491	0.0812	0.084123%	28000	9.389	0.0812	0.035321%
18	312M TP-F(M)	[312 - 322] MHz	2000000	0.102	0.00354	0.0000053%	0.01645	0.00354	0.022534%	28000	6.202	0.00354	0.0221500%
19	322M TP-F(M)	[322 - 328.6] MHz	2000000	0.03746	0.00109	0.0000016%	0.009135	0.00109	0.012514%	28000	3.444	0.00109	0.0133000%
20	380M idB TP-M	[385 - 385.25] MHz	2000000	0.02133	0.00074	0.00000107%	0.0238	0.00074	0.0092603%	28000	8.971	0.00074	0.0520995%
21	380M idB TP-M	[385 - 385.25] MHz	2000000	0.001381	0.00005	0.0000001%	0.0019134	0.00005	0.0019055%	28000	2.856	0.00005	0.0025768%
22	385M-A1 SP 2o	[385.25 - 385.5] MHz	2000000	0.001257	0.00004	0.0000001%	0.001326	0.00004	0.002591%	28000	0.6885	0.00004	0.0024589%
23	385M-B1 SP 2o	[385.5 - 385.5] MHz	2000000	0.001192	0.00004	0.0000001%	0.001644	0.00004	0.002352%	28000	0.6197	0.00004	0.0022132%
24	385M-C1 SP 2o	[385.5 - 385.5] MHz	2000000	0.0006808	0.00002	0.0000000%	0.0007196	0.00002	0.000858%	28000	2.713	0.00002	0.0096893%
25	385M-D1 SP 2o	[385.5 - 385.5] MHz	2000000	0.00097862	0.00002	0.0000000%	0.001344	0.00002	0.001841%	28000	0.5066	0.00002	0.0018093%
26	380M Ret TP-M	[390 - 395] MHz	2000000	0.000798	0.00002	0.0000000%	0.001247	0.00002	0.002708%	28000	0.4701	0.00002	0.0016789%
27	385M-A-R SP 2o	[395 - 395.25] MHz	2000000	0.0009862	0.00002	0.0000000%	0.001611	0.00002	0.002525%	28000	0.6074	0.00002	0.0024811%
28	385M-B-R SP 2o	[395.25 - 395.5] MHz	2000000	0.00128	0.00004	0.0000001%	0.001843	0.00004	0.002525%	28000	0.6947	0.00004	0.0024811%
29	385M-C-R SP 2o	[395.5 - 395.75] MHz	2000000	0.02145	0.00086	0.0000012%	0.006868	0.00086	0.0106810%	28000	2.780382941	0.00086	0.0109661%
30	385M-D-R SP 2o	[401.675 - 416.675] MHz	2000000	0.02145	0.00086	0.0000012%	0.006868	0.00086	0.0106810%	28000	2.780382941	0.00086	0.0109661%
31	408M TP-F(M)-ma	[416.675 - 420] MHz	2000000	0.01377	0.00048	0.0000007%	0.007544	0.00048	0.010619%	28000	2.844	0.00048	0.0101635%
32	417M idB SP AFI	[420 - 421.675] MHz	2000000	0.007108	0.00025	0.0000003%	0.006643	0.00025	0.007985%	28000	2.812328814	0.00025	0.0081000%
33	420M TP-F(M)-ma	[421.675 - 426.675] MHz	2000000	0.02205	0.00077	0.0000010%	0.00442	0.00077	0.005720%	28000	1.637	0.00077	0.0058035%
34	420M TP-F(M)-ma	[421.675 - 426.675] MHz	2000000	0.02205	0.00077	0.0000010%	0.00442	0.00077	0.005720%	28000	1.637	0.00077	0.0058035%
35	417M Ret SP AFI	[426.675 - 430] MHz	2000000	0.0141	0.00053	0.0000002%	0.006193	0.00053	0.008390%	28000	2.41	0.00053	0.0101805%
36	417M R SP Tronc	[430 - 440] MHz	2000000	0.04006	0.00139	0.0000008%	0.01686	0.00139	0.003406%	28000	2.845743463	0.00139	0.0084688%
37	807** AMATEUR	[440 - 450] MHz	2175000	0.03971	0.00138	0.0000001%	0.0118	0.00138	0.003000%	28000	0.00139	0.00138	0.003406%
38	440M TP-F(M)-ma	[450.525 - 451.775] MHz	2257500	0.005554	0.00019	0.0000002%	0.00388	0.00019	0.004380%	28000	2.920540136	0.00019	0.0049468%
39	450M-CH1 SP	[451.775 - 463.025] MHz	2257500	0.005554	0.00019	0.0000002%	0.00388	0.00019	0.004380%	28000	2.920540136	0.00019	0.0049468%
40	450M-CH2 SP	[463.025 - 463.025] MHz	2257500	0.005554	0.00019	0.0000002%	0.00388	0.00019	0.004380%	28000	2.920540136	0.00019	0.0049468%
41	453M-G1 SP	[453.35 - 454.6] MHz	226937.5	0.001444	0.00005	0.0000001%	0.00144	0.00005	0.000484%	28000	1.385	0.00005	0.0049468%
42	453M-F1 SP	[454.6 - 455.85] MHz	226937.5	0.005709	0.00022	0.0000002%	0.00381	0.00022	0.002485%	28000	0.00005	0.00005	0.0049468%
43	453M-F2 SP	[455.85 - 457.1] MHz	226937.5	0.006226	0.00022	0.0000002%	0.00417	0.00022	0.002485%	28000	1.467	0.00022	0.0050271%
44	453M-G2 SP	[457.1 - 457.5] MHz	226937.5	0.001821	0.00006	0.0000001%	0.001821	0.00006	0.0005294%	28000	1.268	0.00006	0.0050271%
45	453M-G1 SP	[457.5 - 459.2375] MHz	226937.5	0.004942	0.00017	0.0000002%	0.004942	0.00017	0.0005294%	28000	1.572	0.00017	0.0053400%
46	458M TP-F(M)	[461.775 - 463.025] MHz	2319843.75	0.004942	0.00017	0.0000002%	0.004942	0.00017	0.0005294%	28000	1.572	0.00017	0.0053400%
47	450M-CH1 R SP	[463.025 - 463.025] MHz	2319843.75	0.004942	0.00017	0.0000002%	0.004942	0.00017	0.0005294%	28000	1.572	0.00017	0.0053400%
48	450M-CH2 R SP	[463.025 - 463.025] MHz	2319843.75	0.004942	0.00017	0.0000002%	0.004942	0.00017	0.0005294%	28000	1.572	0.00017	0.0053400%
49	453M-F1 R SP	[463.35 - 464.6] MHz	2319843.75	0.000706	0.00002	0.0000000%	0.00356	0.00002	0.004118%	28000	1.265	0.00002	0.0042784%
50	453M-F2 R SP	[464.6 - 465.85] MHz	2319843.75	0.005088	0.00018	0.0000002%	0.00395	0.00018	0.004118%	28000	0.5159	0.00018	0.0017433%
51	453M-F3 R SP	[465.85 - 467.1] MHz	2319843.75	0.005177	0.00018	0.0000002%	0.00374	0.00018	0.004118%	28000	1.393	0.00018	0.0047033%
52	453M-G2 R SP	[467.1 - 467.5] MHz	2319843.75	0.00137	0.00005	0.0000001%	0.003076	0.00005	0.004630%	28000	1.385	0.00005	0.0046700%
53	453M-G3 R SP	[467.5 - 469.525] MHz	2319843.75	0.00348	0.00029	0.0000004%	0.003076	0.00029	0.004630%	28000	1.397	0.00029	0.0047041%
54	468M TP-F(M)	[475 - 483] MHz	234560.5	5.391	0.029	0.0000046%	80.08705342	0.029	0.005876%	28000	0.7163	0.00029	0.0049095%
55	BAND IV TV UHF	[584 - 692] MHz	3150000	163.9	1.15	0.0051379%	93.45205486	1.15	0.140807%	28000	45.08	1.15	0.0069606%
56	BAND V TV UHF	[692 - 862] MHz	3475000	0.01695	0.00059	0.0000005%	0.00706	0.00059	0.006956%	28000	2.528	0.00059	0.0128157%
57	CH51 SERVICIA	[698 - 703] MHz	3502500	0.0154	0.00053	0.0000004%	0.00679	0.00053	0.006859%	28000	2.405	0.00053	0.0069740%
58	700-A CELN	[703 - 718] MHz	3552500	0.04644	0.00029	0.0000013%	98.62402172	0.00029	0.011255%	28000	3659.90867	0.00029	0.0114158%
59	700-B CELN	[718 - 733] MHz	3627500	0.04444	0.00028	0.0000012%	99.65886657	0.00028	0.011087%	28000	4.184	0.00028	0.0114158%
60	700-C CELN	[733 - 748] MHz	3702500	0.04717	0.00029	0.0000013%	100.6848797	0.00029	0.011144%	28000	37415.67827	0.00029	0.0117204%
61	700-D CELN	[748 - 773] MHz	3827500	1.705	0.011	0.0000445%	103.7038115	0.011	0.045683%	28000	39048.02716	0.011	0.0666500%
62	700-E CELN	[773 - 788] MHz	3902500	0.1303	0.00031	0.0000033%	104.3684913	0.00031	0.008149%	28000	25.35	0.00031	0.0182460%
63	700-F CELN	[788 - 803] MHz	3977500	0.482	0.009	0.0000131%	104.3679553	0.009	0.034357%	28000	35781.38813	0.009	0.0347590%
64	700-G CELN	[803 - 808] MHz	4071500	0.0805	0.0005	0.0000023%	105.3457211	0.0005	0.004618%	28000	39000.10016	0.0005	0.0044820%
65	700-H CELN	[808 - 821] MHz	4677500	0.04873	0.0005	0.0000032%	105.5311692	0.0005	0.010774%	28000	4.268	0.0005	0.0109386%
66	800-1 CELN	[821 - 835] MHz	447500	0.03099	0.00019	0.0000007%	106.3658541	0.00019	0.008269%	28000	3.418	0.00019	0.0086510%

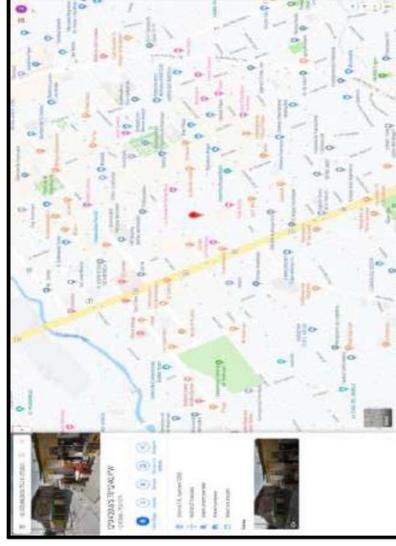
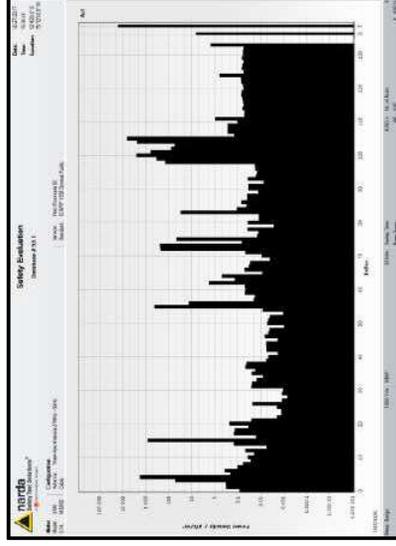
68	800B-1 CEL CLAR	[835 - 845] MHz	4200000	0.02809	0.00017	0.0000007%	107.2361879	0.008632	0.00017	0.008050%	39851.28605	3.254	0.00017	0.008165%
69	800A-2 CEL TM	[845 - 846.5] MHz	4238750	0.003852	0.00002	0.0000001%	107.6025906	0.003196	0.00002	0.002970%	39987.40774	1.205	0.00002	0.0030134%
70	800A-2 CEL CLAR	[846.5 - 849] MHz	4238750	0.00901	0.00006	0.0000002%	107.7297429	0.004889	0.00006	0.004538%	40047.70014	1.843	0.00006	0.0046035%
71	800 - B15 TM	[851 - 860] MHz	4292500	0.00456	0.00028	0.000011%	108.4166314	0.01098	0.00028	0.010128%	40287.73464	4.14	0.00028	0.0102761%
72	800A-1 B15 TM	[861 - 866] MHz	4372500	231.2	1.44	0.0052876%	109.4106008	0.783	1.44	0.715616%	40661.42598	295.2	1.44	0.7259952%
73	800A-1 B15 CLAR	[868 - 890] MHz	4425000	238.9	1.488	0.0059989%	110.0711134	0.796	1.488	0.723169%	40904.80565	300.1	1.488	0.7336546%
74	800A-2 B15 CLAR	[890 - 891.5] MHz	4453750	238.9	0.00819	0.0000033%	110.0711134	0.02501	0.00819	0.022648%	41037.47355	9.428	0.00819	0.0239741%
75	800B-2 B15 CLAR	[891.5 - 894] MHz	4463750	0.5647	0.02	0.0000127%	110.5201216	0.0387	0.02	0.035006%	41083.51821	14.59	0.02	0.0355130%
76	900-1 CEL TM	[894 - 898] MHz	4480000	0.012	0.00042	0.0000003%	110.7630986	0.005642	0.00042	0.005094%	41158.23125	2.127	0.00042	0.0051679%
77	900-2 CEL TM	[898 - 902] MHz	4500000	0.01153	0.0004	0.0000003%	111	0.005331	0.0004	0.004983%	41250	2.085	0.0004	0.0050545%
78	900-2 CEL BEL	[902 - 915] MHz	4542500	0.03555	0.00123	0.0000008%	111.5229349	0.009711	0.00123	0.008708%	41444.3339	3.661	0.00123	0.0088335%
79	915M RMT77	[915 - 916] MHz	4575000	0.030756	0.00013	0.0000001%	111.951753	0.009711	0.00013	0.002820%	41603.69109	1.19	0.00013	0.0028603%
80	900A-2 B15 TM	[916 - 921] MHz	4670000	0.03553	0.00123	0.0000008%	112.3484757	0.009708	0.00123	0.008641%	41751.12274	3.66	0.00123	0.0087662%
81	900A-1 B15 TM	[921 - 931] MHz	4705000	0.0131	0.00043	0.0000003%	113.5001762	0.005714	0.00043	0.005034%	42179.11954	2.154	0.00043	0.0051056%
82	900A-2 B15 TM	[931 - 947] MHz	4750000	0.01067	0.00037	0.0000003%	113.7411535	0.005321	0.00037	0.004678%	42268.67191	2.006	0.00037	0.0047458%
83	900 B15 BTEL	[947 - 960] MHz	4767500	18.56	0.644	0.0003893%	114.2515427	0.2219	0.644	0.194221%	42458.34356	83.64	0.644	0.1969931%
84	80.33 - AMATEUR	[1240 - 1300] MHz	6350000	0.107	0.00372	0.0000017%	131.8571196	0.01685	0.00372	0.012779%	48900.95662	6.352	0.00372	0.0129630%
85	AMS-A CEL TM	[1710 - 1730] MHz	8600000	0.0407	0.00141	0.0000005%	153.449666	0.01039	0.00141	0.006711%	57025.21372	3.917	0.00141	0.0068689%
86	AMS-B CEL E	[1730 - 1770] MHz	8700000	0.04057	0.00141	0.0000005%	154.3392367	0.01037	0.00141	0.006719%	57355.19744	3.911	0.00141	0.0068188%
87	AMS-C CEL	[1850 - 1865] MHz	8800000	0.03486	0.00121	0.0000004%	155.23237095	0.01056	0.00121	0.006603%	57684.48665	3.982	0.00121	0.0069031%
88	PCS-A CEL CLAR	[1865 - 1870] MHz	9375000	0.01196	0.00042	0.0000001%	159.8939492	0.005631	0.00042	0.005322%	59760.74533	3.625	0.00042	0.0056170%
89	PCS-B CEL E	[1870 - 1882.5] MHz	9381250	0.03722	0.00129	0.0000004%	160.2680957	0.009617	0.00129	0.006200%	59420.0487	2.123	0.00042	0.0057529%
90	PCS-C CEL E	[1882.5 - 1895] MHz	9443750	0.03518	0.00122	0.0000004%	160.8010805	0.009661	0.00122	0.006200%	59550.08962	3.746	0.00122	0.0062895%
91	PCS-E CEL E	[1895 - 1897.5] MHz	9481250	0.0349	0.00125	0.0000004%	161.2000551	0.009621	0.00125	0.006208%	59757.15831	3.642	0.00125	0.0060947%
92	PCS-F CEL CLAR	[1897.5 - 1910] MHz	9518750	0.01991	0.00052	0.0000002%	161.4883396	0.006289	0.00052	0.005960%	59875.68502	1.655	0.00052	0.0057641%
93	PCS-G CEL BTEL	[1910 - 1915] MHz	9562500	0.01995	0.00055	0.0000002%	161.8089151	0.006289	0.00055	0.005887%	59993.97756	3.627	0.00055	0.0060456%
94	169A-6 SP AFI	[1915 - 1920] MHz	9587500	0.01995	0.00055	0.0000002%	162.0209919	0.006504	0.00055	0.004014%	60110.24863	2.371	0.00055	0.0039430%
95	169A-8 SP AFI	[1920 - 1925] MHz	9622500	0.0121	0.00042	0.0000001%	162.311894	0.005566	0.00042	0.003489%	60208.69349	2.156	0.00042	0.0035430%
96	169A-6 SP AFI	[1925 - 1945] MHz	9657500	0.01377	0.00048	0.0000001%	162.4422205	0.006643	0.00048	0.003720%	60367.0414	2.278	0.00048	0.0037729%
97	PCS-A B15 CLAR	[1945 - 1945] MHz	9697500	1.541	0.053	0.0000159%	162.863056	0.06393	0.053	0.039554%	60523.43296	241	0.053	0.0398193%
98	PCS-B B15 CLAR	[1945 - 1962.5] MHz	9732500	7.462	0.259	0.0000766%	163.2823068	0.1407	0.259	0.086720%	60679.42145	53.04	0.259	0.0872402%
99	PCS-B B15 TM	[1962.5 - 1975] MHz	9817500	1.815	0.063	0.0000186%	163.6949506	0.06939	0.063	0.042402%	60815.98317	26.16	0.063	0.0490153%
100	PCS-F B15 CLAR	[1975 - 1977.5] MHz	9843750	49.64	1.724	0.000044%	164.171214	0.3629	1.724	0.221950%	61009.57726	138.8	1.724	0.2422721%
101	PCS-G B15 BTEL	[1977.5 - 1990] MHz	9918750	0.4387	0.015	0.0000048%	164.4882338	0.03411	0.015	0.010738%	61116.67011	12.86	0.015	0.0110386%
102	AMS-A B15 TM	[2110 - 2130] MHz	1000000	3.764	0.131	0.0009766%	168.7954414	0.2156	0.131	0.130823%	61241.54916	81.27	0.131	0.1317040%
103	AMS-B B15 TM	[2130 - 2150] MHz	1000000	3.435	0.098	0.0009766%	169	0.02982	0.098	0.062450%	61000	97.67	0.098	0.062758%
104	AMS-C B15 TM	[2150 - 2170] MHz	1000000	0.115	0.0391	0.000013%	169	0.01728	0.0391	0.010820%	61000	6.513	0.0391	0.016670%
105	AMS-D B15 TM	[2300 - 2330] MHz	1000000	0.232	0.06886	0.0000232%	169	0.03482	0.06886	0.015533%	61000	9.357	0.06886	0.0159395%
106	265-B 3P DW	[2330 - 2360] MHz	1000000	0.2457	0.06846	0.0000244%	169	0.08946	0.06846	0.018696%	61000	9.355	0.06846	0.0163197%
107	265-C 3P	[2360 - 2400] MHz	1000000	0.2623	0.06913	0.0000285%	169	0.02694	0.06913	0.016929%	61000	9.354	0.06913	0.0168197%
108	265-D 3P	[2400 - 2483.5] MHz	1000000	0.09498	0.0033	0.0000039%	169	0.01587	0.0033	0.009919%	61000	5.984	0.0033	0.0096898%
109	265-E 3P	[2483.5 - 2507.5] MHz	1000000	0.07	0.03	0.0000030%	169	0.04804	0.03	0.030023%	61000	18.11	0.03	0.0296885%
110	265-F 3P	[2507.5 - 2513] MHz	1000000	0.04787	0.0166	0.0000048%	169	0.01127	0.0166	0.007044%	61000	4.248	0.0166	0.0069635%
111	265-G 3P	[2513.5 - 2518.5] MHz	1000000	0.04985	0.0173	0.0000053%	169	0.0115	0.0173	0.007188%	61000	4.335	0.0173	0.0071066%
112	265-H 3P	[2518.5 - 2524] MHz	1000000	0.05156	0.0179	0.0000052%	169	0.0117	0.0179	0.007313%	61000	4.409	0.0179	0.0072279%
113	265-I 3P	[2524 - 2529.5] MHz	1000000	0.05166	0.0179	0.0000052%	169	0.01171	0.0179	0.007313%	61000	4.413	0.0179	0.0072340%
114	265-J 3P	[2529.5 - 2535] MHz	1000000	0.05037	0.0175	0.0000050%	169	0.01154	0.0175	0.007213%	61000	4.349	0.0175	0.0071295%
115	265-K 3P	[2535 - 2540.5] MHz	1000000	0.05674	0.0197	0.0000057%	169	0.01155	0.0197	0.007699%	61000	4.356	0.0197	0.0071406%
116	265-L 3P	[2540.5 - 2546] MHz	1000000	0.04814	0.0167	0.0000048%	169	0.01227	0.0167	0.007063%	61000	4.625	0.0167	0.0069898%
117	265-M 3P	[2546 - 2551.5] MHz	1000000	0.05019	0.0174	0.0000050%	169	0.01154	0.0174	0.007133%	61000	4.26	0.0174	0.0071311%
118	265-N 3P	[2551.5 - 2557] MHz	1000000	0.05896	0.0198	0.0000057%	169	0.01229	0.0198	0.007881%	61000	4.634	0.0198	0.0075967%
119	265-O 3P	[2557 - 2562.5] MHz	1000000	0.05489	0.0191	0.0000055%	169	0.01207	0.0191	0.007544%	61000	4.549	0.0191	0.0074574%
120	265-P 3P	[2562.5 - 2568] MHz	1000000	0.05199	0.0181	0.0000052%	169	0.01174	0.0181	0.007338%	61000	4.427	0.0181	0.0072574%
121	265-Q 3P	[2568 - 2624] MHz	1000000	0.5409	0.019	0.0000541%	169	0.03788	0.019	0.023675%	61000	14.28	0.019	0.0234098%
122	265-R 3P	[2624 - 2629.5] MHz	1000000	0.06196	0.0215	0.0000062%	169	0.01282	0.0215	0.008013%	61000	4.833	0.0215	0.0079230%
123	265-S 3P	[2629.5 - 2635] MHz	1000000	0.05448	0.0189	0.0000054%	169	0.01202	0.0189	0.007513%	61000	4.532	0.0189	0.0074495%
124	265-T 3P	[2635 - 2640.5] MHz	1000000	0.05443	0.0189	0.0000054%	169	0.01202	0.0189	0.007513%	61000	4.53	0.0189	0.0074262%
125	265-U 3P	[2640.5 - 2646] MHz	1000000	0.05187	0.018	0.0000052%	169	0.01173	0.018	0.007331%	61000	4.422	0.018	0.0072492%
126	265-V 3P	[2646 - 2651.5] MHz	1000000	0.05972	0.02027	0.0000060%	169	0.01259	0.02027	0.007869%	61000	4.745	0.02027	0.0077787%
127	265-W 3P	[2651.5 - 2657] MHz	1000000	0.05562	0.0193	0.0000056%	169	0.01245	0.0193	0.007594%	61000	4.579	0.0193	0.0075787%
128	265-X 3P	[2657 - 2662.5] MHz	1000000	0.05865	0.0204	0.0000059%	169	0.01247	0.0204	0.007794%	61000	4.702	0.0204	0.0077092%
129	265-Y 3P	[2662.5 - 2668] MHz	1000000	0.06827	0.0237	0.0000068%	169	0.01346	0.0237	0.008413%	61000	5.073	0.0237	0.0083164%
130	265-Z 3P	[2668 - 2690] MHz	1000000	0.2897	0.01	0.0000290%	169	0.02772	0.01	0.017325%	61000	10.45	0.01	0.0171311%
131	Others		6000000	6.361	0.221	0.0001060%		0.1299	0.221	0.081188%		48.97	0.221	0.0802787%
132	Máximo			776.4	79.57	0.0776400%		3.435	79.57	2.146875%	61241.54916	941	79.57	1.5426230%
133	Mínimo			0.0005862	0.00002	0.0000000%		0.001247	0.00002	0.001708%	27803.82941	0.4701	0.00002	0.0016789%
134	Total			2525.750861	100	0.1455609%		9.77924	10					



**REPORTE DE MEDICIÓN DE RADIACIONES NO IONIZANTES PARA LOS
SISTEMAS DE RADIODIFUSIÓN Y TELEFONÍA MÓVIL EN EL CENTRO DE LA
CIUDAD DE HUANCAYO**

RNI-20

Fecha de Medición	12/29/2018
Hora de Medición	15:36:45
Resolución de Ancho de Banda	50 kHz
Tiempo de promedio de Medición	6 min
Progreso de Medición	100%
N° de Corridas	8
Estándar de Medición	ICNIRP 1998 General Public
Servicio del Área de medición	Perú Provincias 02
Fecha de Calibración de Antena	2/02/2018
Tipo de Antena	Three-Axis Antenna 27MHz - 3GHz
N° de Serie del Dispositivo	M-0090
GPS	Si
Satelites en uso	18
GPS Altitud	3255 m
GPS Latitud	12°4'20.6" S
GPS Longitud	75°12'40.9" W
Comentario	M32-2



Anexo 2: Análisis estadístico de valores de RNI medidos en software R

Análisis Estadístico - JS

Juan Diego Samanez Romero

9/10/2020

Introducción

Se importa la base de datos y se transforma en un DataFame

```
setwd("E:/Stretz Consultores/Trabajo tesis/Juan Samanez/TSP/R_Juan_TSP")
library(readxl)
BDJ<-read_excel("BDJuan.xlsx","Hoja1")

# con esto se crea un data frame

BBDD_J<-data.frame(BDJ)
```

Para visualizar el nombre de las columnas y el tipo al que corresponden los datos se utilizan los siguientes comandos:

```
#str(BBDD_J)
```

```
names(BBDD_J)
```

```
## [1] "Punto"      "Servicio"   "N_Servicio" "F_Min"      "F_Max"
## [6] "F_Prom"     "Potencia_P" "Potencia_M" "ECA_DP"     "PP_ECA"
## [11] "PM_ECA"     "Magnetico_P" "Magnetico_M" "ECA_CM"     "CMP_ECA"
## [16] "Electrico_P" "Electrico_M" "ECA_CE"      "CEP_ECA"    "SAR_Cd"
## [21] "SAR_Cpe"    "SAR_Cce"    "SAR_Cdc_A"   "SAR_Cdc_M"  "SAR_C_P"
## [26] "SAR_C_M"    "SAR_C"      "C_SAR"       "SAR_Od"     "SAR_Ope"
## [31] "SAR_Oce"    "SAR_Odc_A"  "SAR_Odc_M"   "SAR_O_P"    "SAR_O_M"
## [36] "SAR_O"      "O_SAR"      "SAR_Ovd"     "SAR_Ovpe"   "SAR_Ovce"
## [41] "SAR_Ovdc_A" "SAR_Ovdc_M" "SAR_Ov_P"    "SAR_Ov_M"   "SAR_Ov"
## [46] "Ov_SAR"     "SAR_Td"     "SAR_Tpe"     "SAR_Tce"    "SAR_Tdc_A"
## [51] "SAR_Tdc_M"  "SAR_T_P"    "SAR_T_M"     "SAR_T"      "T_SAR"
```

Seguidamente se procede a realizar el análisis de las variables del estudio.

Densidad de potencia

La evaluación de la variable se realiza en base a dos aspectos, de acuerdo con lo cual la variable toma diferentes valores. Por una parte se miden los valores que toma la variable en cada en cada banda de frecuencia dentro de cada punto de evaluación y por otro lado, se miden los valores de la suma de todas las frecuencias en cada punto.

Para el primer caso se analizan de manera directa los valores de la variable en el DataFrame, en el segundo caso se generan nuevos valores apartir de los valores de la variable en el dataframe, estos nuevos valores creados son los que se analizan.

Densidad de potencia promedio

Se calcula la mediana y el RIQ, general y por servicio

Mediana general

```
# Densidad de potencia promedio
```

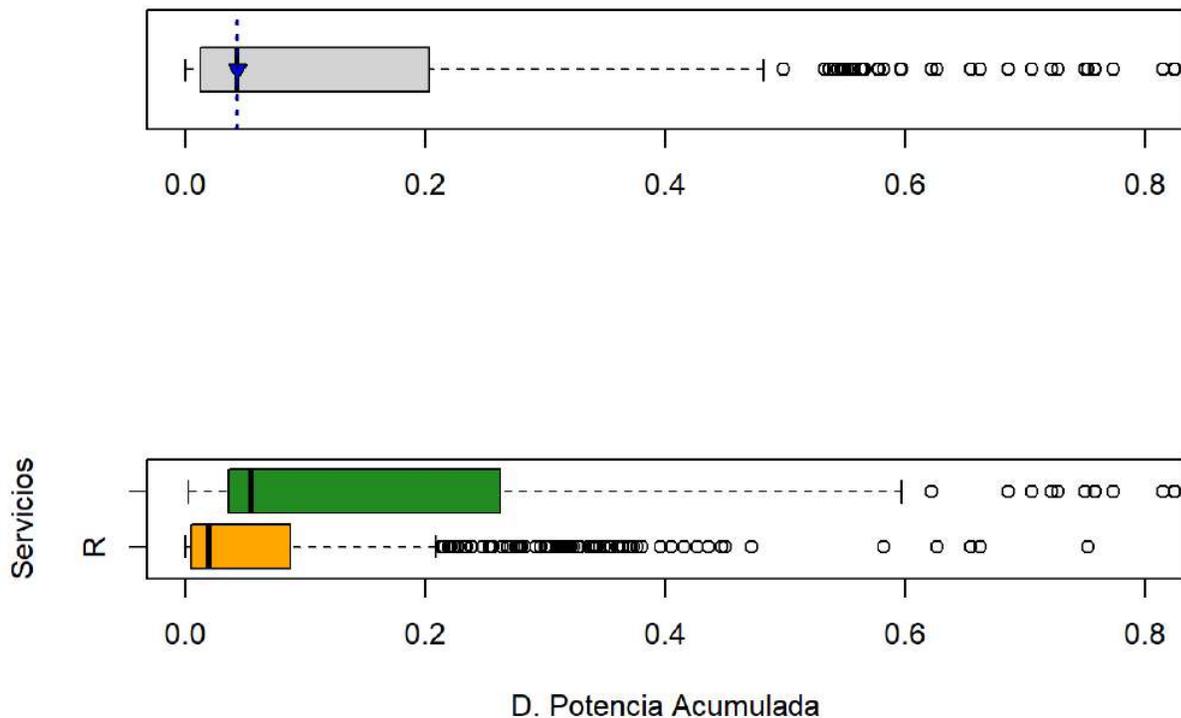
```
median(BBDD_J$Potencia_P)
```

```
## [1] 0.04337
```

```
IQR(BBDD_J$Potencia_P)
```

```
## [1] 0.19037
```

```
par(mfrow=c(2,1))
boxplot(BBDD_J$Potencia_P,ylim=c(0,0.8), horizontal = T)
points(median(BBDD_J$Potencia_P), 1, pch=25, bg="blue")
abline(v=median(BBDD_J$Potencia_P), lwd=2, lty=3, col="darkblue")
boxplot(BBDD_J$Potencia_P ~ BBDD_J$Servicio, ylim=c(0,0.8), xlab = "D. Potencia Acumulada", y
lab = "Servicios", horizontal = T, names=c("R", "TM"), col=c("orange", "forestgreen"))
```



Mediana por servicio

```
tapply(BBDD_J[,7], BBDD_J[,2], median)
```

```
##      Radio Tel. Movil
## 0.019315 0.054890
```

```
tapply(BBDD_J[,7], BBDD_J[,2], IQR)
```

```
##      Radio Tel. Movil
## 0.08294575 0.22713500
```

Otra manera de hallar estos mismos resultados es al generar vectores con datos de la densidad de potencia promedio de acuerdo con una etiqueta del tipo de servicio

```
potencia_radio <- BBDD_J[BBDD_J$Servicio=="Radio", 7]
potencia_movil <- BBDD_J[BBDD_J$Servicio=="Tel. Movil", 7]
```

Luego a cada uno de estos vectores se les puede sacar sus medidas descriptivas

```
median(potencia_radio); IQR(potencia_radio)
```

```
## [1] 0.019315
```

```
## [1] 0.08294575
```

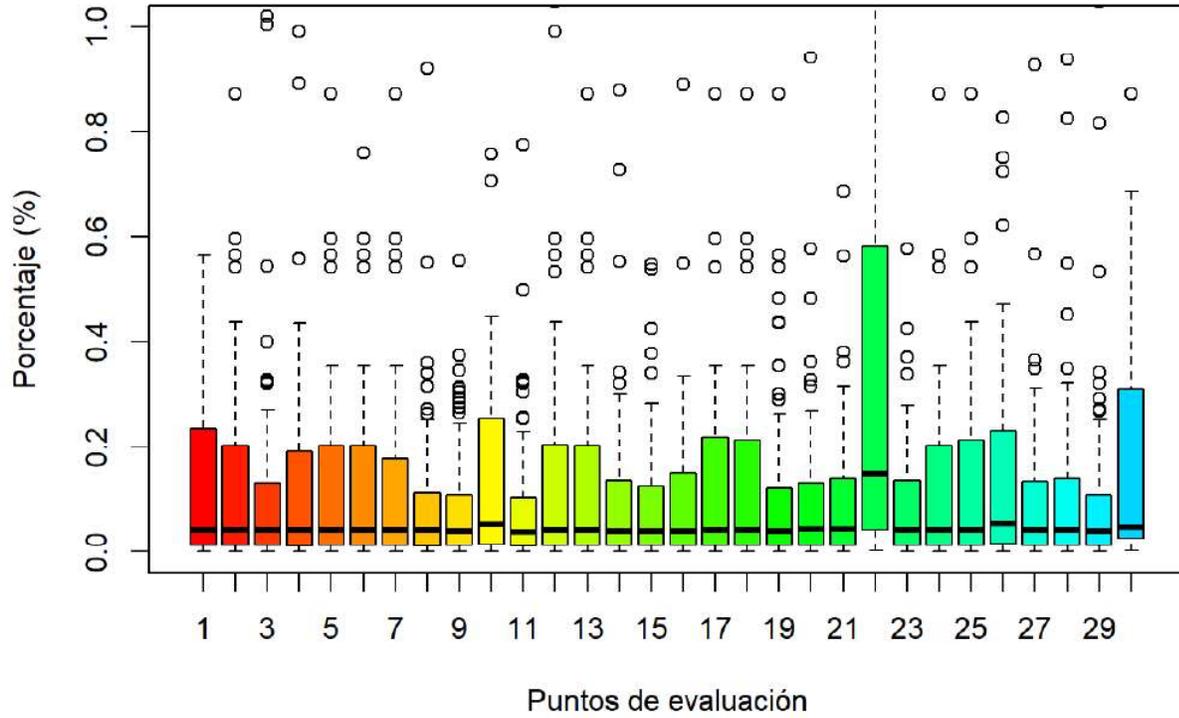
```
median(potencia_movil); IQR(potencia_movil)
```

```
## [1] 0.05489
```

```
## [1] 0.227135
```

Medianas por punto

```
boxplot(BBDD_J$Potencia_P ~ BBDD_J$Punto, ylim=c(0,1), col=rainbow(ncol(BBDD_J)), xlab = "Puntos de evaluación", ylab = "Porcentaje (%)")
```



```
Med_DPP_S <- tapply(BBDD_J[,7], BBDD_J[,1:2], median)
DPP_S<-data.frame(Med_DPP_S)
str(DPP_S)
```

```
## 'data.frame': 30 obs. of 2 variables:
## $ Radio : num 0.0181 0.0162 0.0183 0.0184 0.0162 ...
## $ Tel..Movil: num 0.0518 0.0518 0.055 0.0546 0.0518 ...
```

```
Med_DPP_S
```

##	Servicio
## Punto	Radio Tel. Movil
## 1	0.018150 0.051765
## 2	0.016180 0.051765
## 3	0.018300 0.055010
## 4	0.018405 0.054580
## 5	0.016180 0.051765
## 6	0.016180 0.054855
## 7	0.016700 0.051610
## 8	0.017780 0.055545
## 9	0.016120 0.053145
## 10	0.021810 0.071485
## 11	0.018520 0.050375
## 12	0.017285 0.057615
## 13	0.016180 0.051765
## 14	0.019505 0.054760
## 15	0.017895 0.054050
## 16	0.017825 0.056010
## 17	0.016765 0.051765
## 18	0.018150 0.051765
## 19	0.016180 0.051610
## 20	0.018075 0.057335
## 21	0.017820 0.057805
## 22	0.058470 0.197850
## 23	0.017655 0.055560
## 24	0.016180 0.051765
## 25	0.016180 0.051930
## 26	0.024515 0.072895
## 27	0.017095 0.055610
## 28	0.017445 0.056570
## 29	0.017325 0.056400
## 30	0.042670 0.051765

Porcentaje respecto al ECA de la densidad de potencia promedio

Mediana general

```
# Densidad de potencia promedio
```

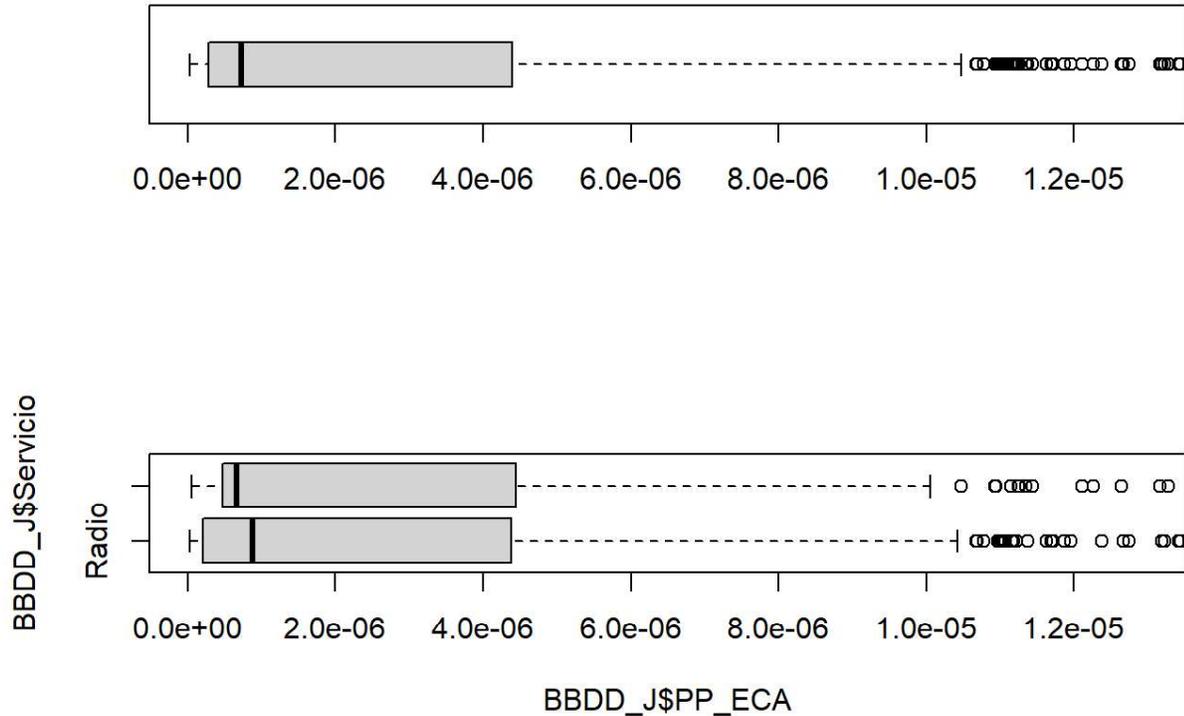
```
median(BBDD_J$PP_ECA)
```

```
## [1] 7.228169e-07
```

```
IQR(BBDD_J$PP_ECA)
```

```
## [1] 4.111672e-06
```

```
par(mfrow=c(2,1))  
boxplot(BBDD_J$PP_ECA, ylim=c(0,0.000013), horizontal = T)  
boxplot(BBDD_J$PP_ECA ~ BBDD_J$Servicio, ylim=c(0,0.000013), horizontal = T)
```



Mediana por servicio

```
tapply(BBDD_J[,10], BBDD_J[,2], median)
```

```
##      Radio Tel. Movil
## 8.810e-07 6.638e-07
```

```
tapply(BBDD_J[,10], BBDD_J[,2], IQR)
```

```
##      Radio  Tel. Movil
## 4.175724e-06 3.973400e-06
```

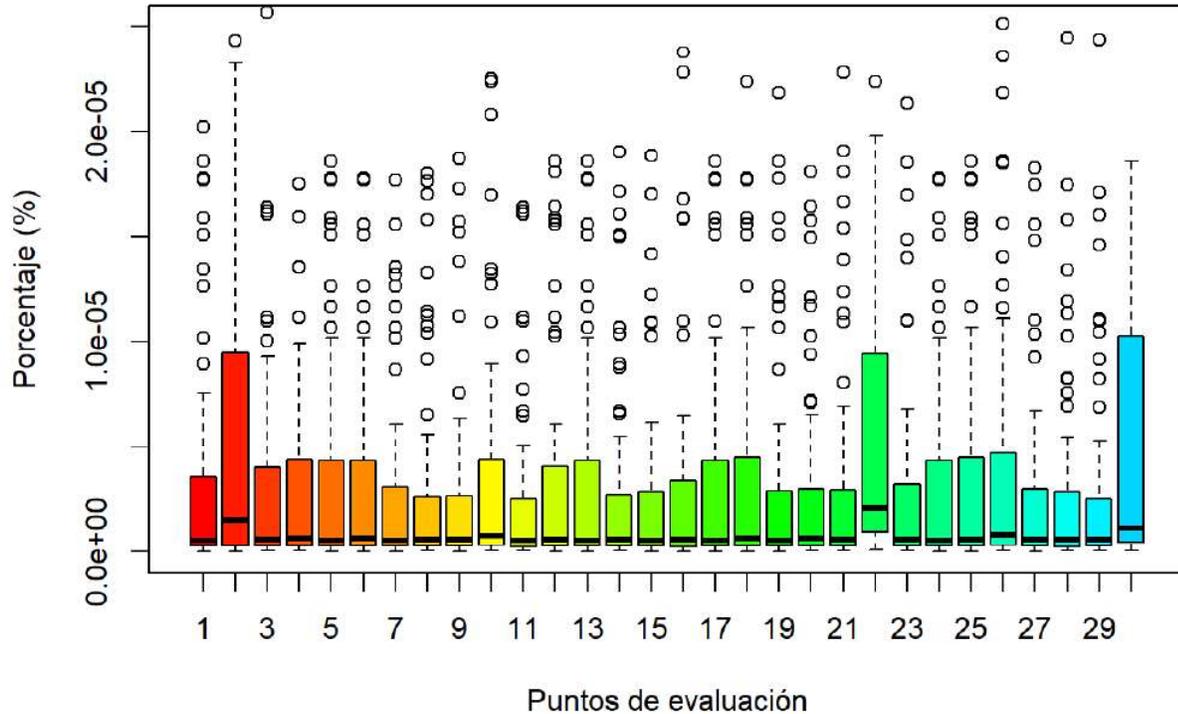
Medianas por punto

La mediana general para cada punto de obtiene utilizando la función **tapply**

```
Med_DPP_P <- tapply(BBDD_J[,10], BBDD_J[,1:2], median)
DPP_P <- data.frame(Med_DPP_P)
str(DPP_P)
```

```
## 'data.frame':  30 obs. of  2 variables:
## $ Radio      : num  8.13e-07 7.26e-07 8.42e-07 8.25e-07 7.26e-07 ...
## $ Tel..Movil: num  5.78e-07 5.03e-06 6.01e-07 6.52e-07 5.78e-07 ...
```

```
boxplot(BBDD_J$PP_ECA ~ BBDD_J$Punto, ylim=c(0,0.000025), col=rainbow(ncol(BBDD_J)), xlab =
"Puntos de evaluación", ylab = "Porcentaje (%)")
```



```
#Si se desea ver la media general para la variable
#abline(h=median(BBDD_J$PP_ECA), lwd=4, lty=3, col="red")
```

```
Med_DPP_P <- tapply(BBDD_J[,10], BBDD_J[,1:2], median)
DPP_P<-data.frame(Med_DPP_P)
str(DPP_P)
```

```
## 'data.frame': 30 obs. of 2 variables:
## $ Radio : num 8.13e-07 7.26e-07 8.42e-07 8.25e-07 7.26e-07 ...
## $ Tel..Movil: num 5.78e-07 5.03e-06 6.01e-07 6.52e-07 5.78e-07 ...
```

Gráfica para la Densidad de potencia promedio y D. Potencia con respecto al ECA

Para mostrar los valores de ambas variables se utiliza diagrama de cajas para evaluar la distribución de los valores en cada uno de los servicios y diagrama de dispersión para evaluar el valor de las medianas en cada punto y de acuerdo con el tipo de servicio.

```

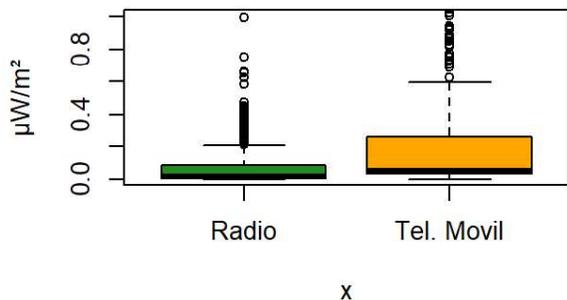
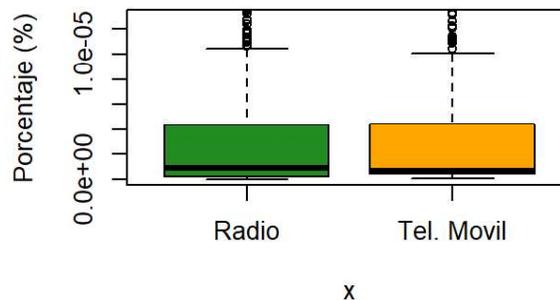
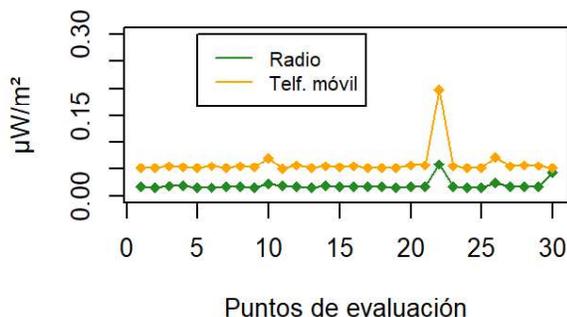
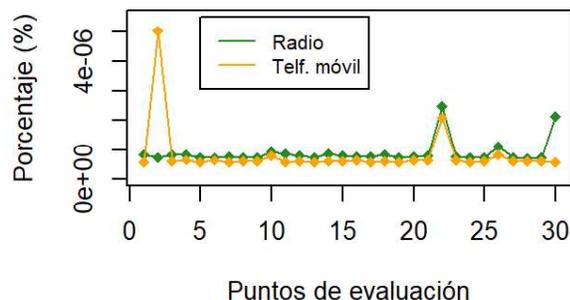
x<-as.factor(BBDD_J$Servicio)

x_1 <- seq(1,30)

par(mfrow=c(2,2))

plot(x, BBDD_J$Potencia_P, ylab="μW/m²", main="Densidad de potencia", border = c("black"), col=c("forestgreen", "orange"), ylim=c(0,1))
plot(x, BBDD_J$PP_ECA, ylim=c(0,0.000013), ylab="Porcentaje (%)", main="Porcentaje al ECA", border = c("black"), col=c("forestgreen", "orange"))
plot(x_1, DPP_S$Radio, "l", ylim=c(0, 0.3), col="forestgreen", ylab="μW/m²", main="Densidad de potencia", xlab = "Puntos de evaluación")
points(x_1, DPP_S$Radio, pch=18, col="forestgreen")
lines(x_1, DPP_S$Tel..Movil, "l", col="orange")
points(x_1, DPP_S$Tel..Movil, pch=18, col="orange")
legend(5,0.30, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty = 1, cex = .8, y.intersp = 1)
plot(x_1, DPP_P$Radio, "l", ylim=c(0, 0.0000055), col="forestgreen", ylab="Porcentaje (%)", main="Porcentaje al ECA", xlab = "Puntos de evaluación")
points(x_1, DPP_P$Radio, pch=18, col="forestgreen")
lines(x_1, DPP_P$Tel..Movil, "l", col="orange")
points(x_1, DPP_P$Tel..Movil, pch=18, col="orange")
legend(5,0.0000055, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty = 1, cex = .8, y.intersp = 1)

```

Densidad de potencia**Porcentaje al ECA****Densidad de potencia****Porcentaje al ECA**

Densidad de potencia promedio acumulada por punto

Mediana general

```
DPP_sum <- tapply(BBDD_J[,7], BBDD_J[,1], sum)

m<-as.vector(DPP_sum)

median(tapply(BBDD_J$Potencia_P, BBDD_J$Punto, sum))
```

```
## [1] 3897.035
```

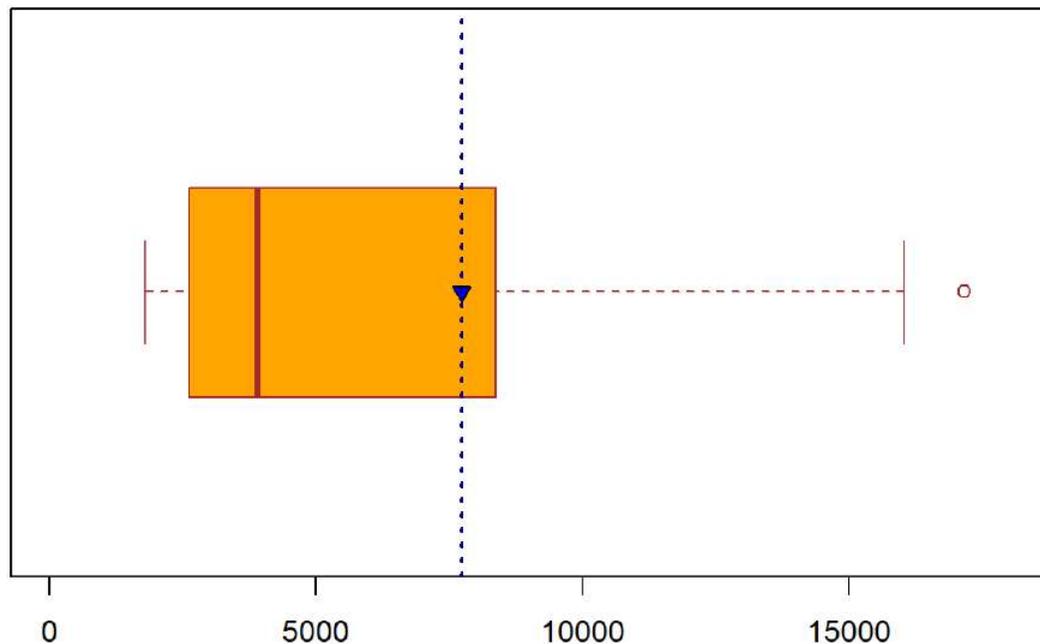
```
IQR(tapply(BBDD_J$Potencia_P, BBDD_J$Punto, sum))
```

```
## [1] 5510.761
```

```
boxplot(m, ylim=c(0,18000), col = "orange", border = "brown", horizontal = T)
```

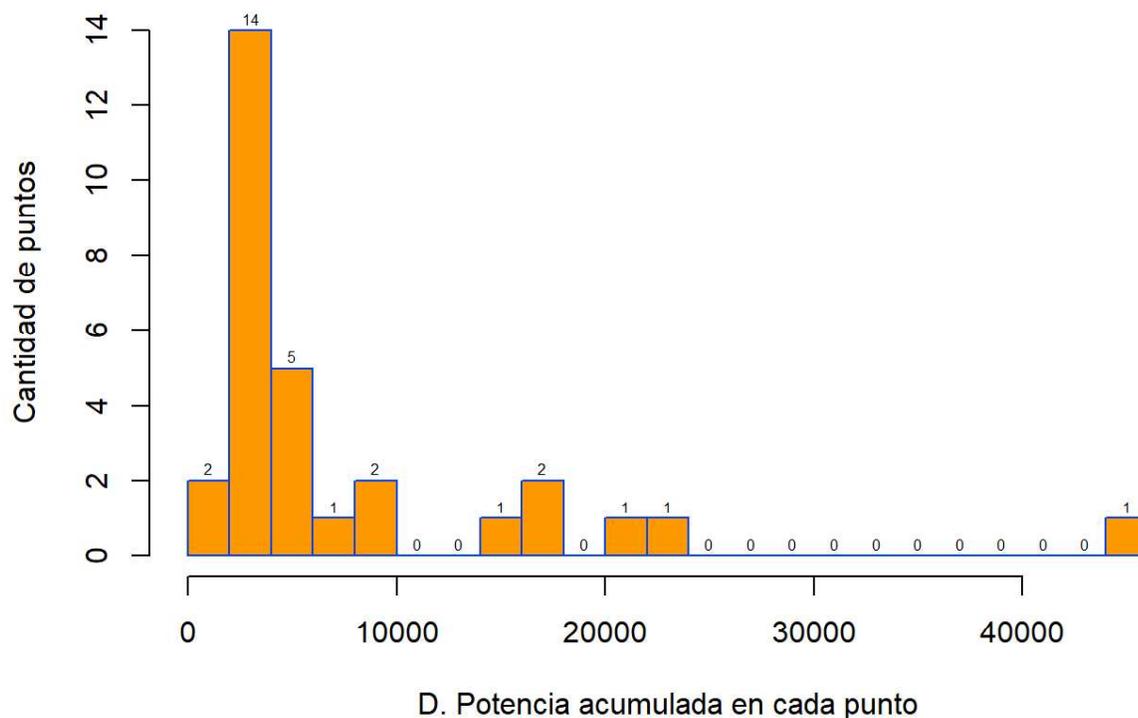
#Si se desea ver la ubicación de la media, se genera lo siguiente:

```
points(mean(m), 1, pch=25, bg="blue")
abline(v=mean(m), lwd=2, lty=3, col="darkblue")
```



```
p<-hist(m, breaks = 20, xlab="D. Potencia acumulada en cada punto", ylab = "Cantidad de puntos", col = "#ff9900", border = "#0040ff", main = "Distribución de la D. Potencia acumulada por punto", freq = TRUE)
text(p$mids, p$count, labels=p$count, adj=c(0.5, -0.5), cex=.5)
```

Distribución de la D. Potencia acumulada por punto

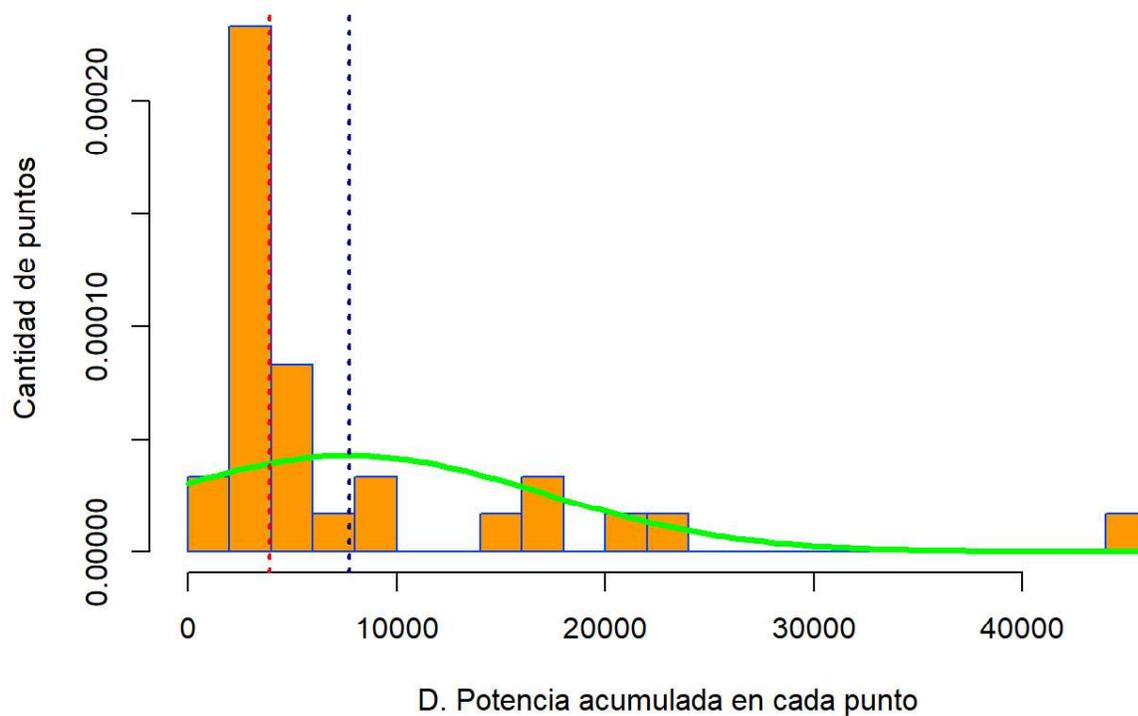


```

p<-hist(m, breaks = 20, xlab="D. Potencia acumulada en cada punto", ylab = "Cantidad de puntos", col = "#ff9900", border = "#0040ff",main = "Distribución de la D. Potencia acumulada por punto", freq = FALSE)
#text(p$mids, p$counts, labels=p$counts, adj=c(0.5, -0.5), cex=.5)
#lines(density(m), col="yellow", lwd=3)
#lines(density(m, adjust=2), col="red", lwd=3, lty=2)
curve(dnorm(x, mean=mean(m), sd=sd(m)), add=TRUE, col="#00ff00", lwd=3)
abline(v=mean(m), lwd=2, lty=3, col="darkblue")
abline(v=median(m), lwd=2, lty=3, col="red")

```

Distribución de la D. Potencia acumulada por punto



Mediana por servicio

A continuación se muestran los valores de la densidad de potencia acumulada por punto para Radio y Tel. Movil

```
sum_DPP_S <- tapply(BBDD_J[,7], BBDD_J[,1:2], sum)
sum_DPP_S
```

```
##      Servicio
## Punto      Radio Tel. Movil
##  1  1984.6352  427.5229
##  2  2752.0662  124.5819
##  3  2925.8193  510.6473
##  4 10656.6962  6505.6087
##  5  2292.0662  1304.2352
##  6  1459.7662  5952.4716
##  7  1974.5867  213.0070
##  8  2770.6885  224.8695
##  9  9987.1839  4264.5931
## 10 36606.6522  9069.2332
## 11 2984.8213  2000.9648
## 12 2144.0675  481.2467
## 13 1905.0662  714.7302
## 14 1835.2486  231.3309
## 15 22111.1077 1880.7687
## 16 2613.8057 1640.4152
## 17 2689.7726 1634.2225
## 18 1417.7321 3516.8406
## 19 1164.4417 1354.9881
## 20 3068.7432 12968.1253
## 21 1715.7742 3492.1546
## 22 3579.8162 17580.7303
## 23 2204.2628 7570.4019
## 24  912.0662 3019.0242
## 25  952.0662 2436.7052
## 26 1276.9864 7094.8496
## 27  823.0857  979.5494
## 28 1303.0869  927.8410
## 29  518.4623 1331.9812
## 30  767.6881 3095.2910
```

Se crea una data frame para calcular su mediana y IQR

```
DPPA_S<-data.frame(sum_DPP_S)
str(DPPA_S)
```

```
## 'data.frame':  30 obs. of  2 variables:
## $ Radio      : num  1985 2752 2926 10657 2292 ...
## $ Tel..Movil: num  428 125 511 6506 1304 ...
```

Se calcula para el servicio de Radio

```
median(DPPA_S$Radio)
```

```
## [1] 2064.351
```

```
IQR(DPPA_S$Radio)
```

```
## [1] 1555.288
```

Se calcula para la telefonía movil

```
median(DPPA_S$Tel..Movil)
```

```
## [1] 1760.592
```

```
IQR(DPPA_S$Tel..Movil)
```

```
## [1] 3309.647
```

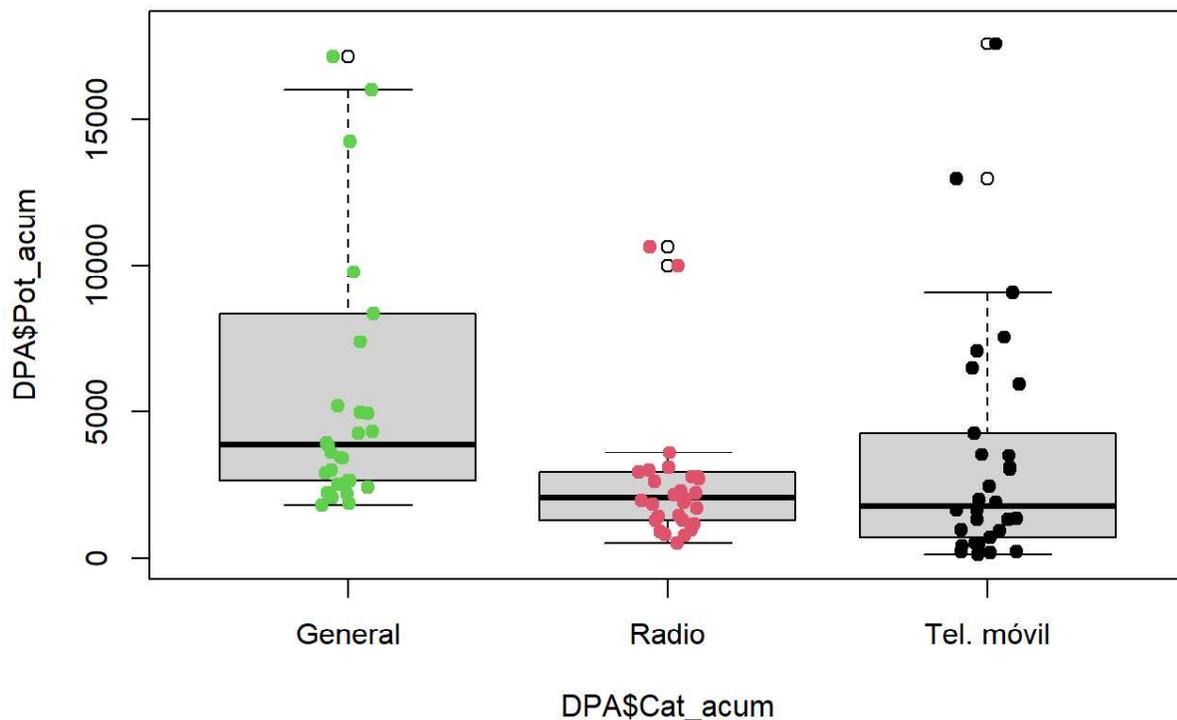
A partir del data frame DPPA_S, se puede crear un nuevo data frame con dos columnas, donde la primera corresponde al tipo de servicio y consta de las categorías radio, tel. movil y general. La segunda columna representa el valor acumulado de la densidad de potencia en cada punto de análisis.

```
# Se utiliza el vector "m" creado previamente:
Pot_acum <- c(DPPA_S$Radio, DPPA_S$Tel..Movil, m)

Cat_acum<-c(rep("Radio", 30), rep("Tel. móvil", 30), rep("General", 30))

DPA<-data.frame(Cat_acum, Pot_acum)
```

```
boxplot(DPA$Pot_acum ~ DPA$Cat_acum, ylim=c(0,18000), vertical = TRUE)
stripchart(DPA$Pot_acum ~ DPA$Cat_acum, method = "jitter",
           pch = 19, add=TRUE, vertical = TRUE, col = 11:length(levels(DPA$Cat_acum)))
```



Las medianas también se pueden calcular a partir del DataFrame "DPA":

```
tapply(DPA[,2], DPA[,1], median)
```

```
##      General      Radio Tel. móvil
## 3897.035 2064.351 1760.592
```

Acumulados por punto

Para el análisis de la densidad de potencia acumulada por punto se pueden utilizar los dos DataFrame creados

```
head(DPPA_S)
```

```
##      Radio Tel..Movil
## 1 1984.635 427.5229
## 2 2752.066 124.5819
## 3 2925.819 510.6473
## 4 10656.696 6505.6087
## 5 2292.066 1304.2352
## 6 1459.766 5952.4716
```

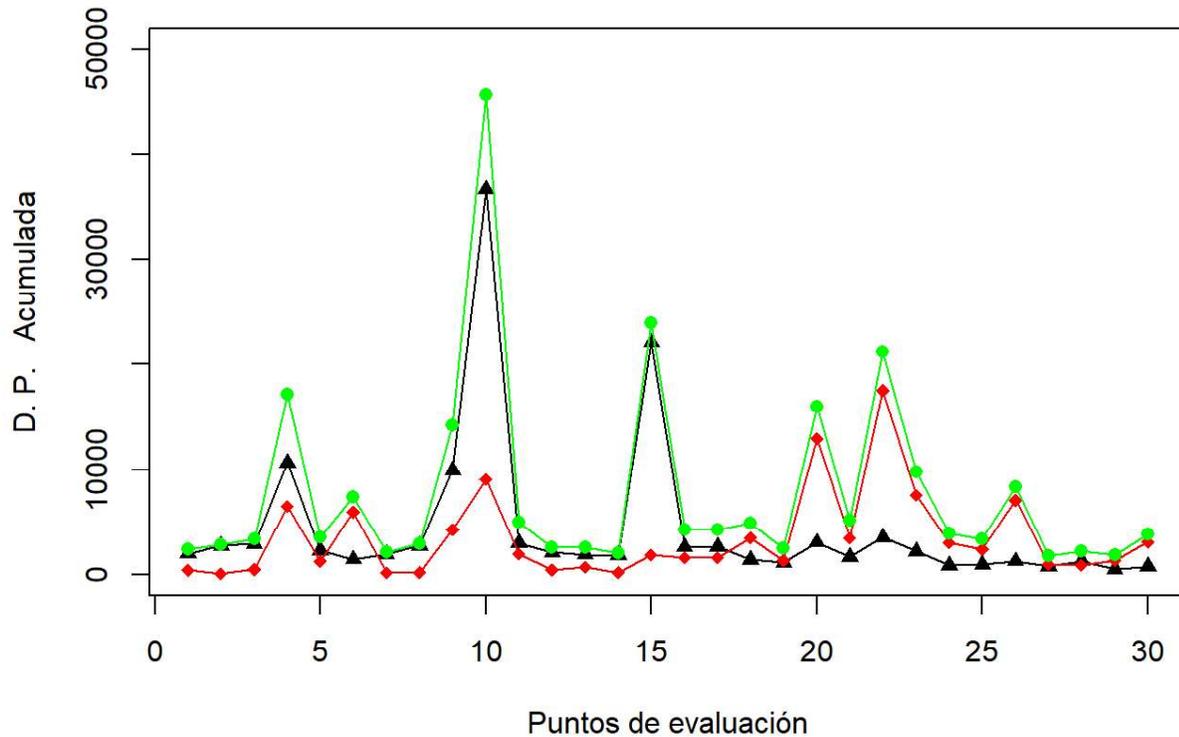
```
head(DPA)
```

```
##   Cat_acum Pot_acum
## 1   Radio 1984.635
## 2   Radio 2752.066
## 3   Radio 2925.819
## 4   Radio 10656.696
## 5   Radio 2292.066
## 6   Radio 1459.766
```

Las sumas acumuladas por cada punto se pueden representar de manera gráfica donde se comparan los valores en cada punto de acuerdo al tipo de servicio.

```
# Se utiliza el vector "x_1" creado previamente:

plot(x_1, DPPA_S$Radio, "l", ylim = c(0, 50000), xlab = "Puntos de evaluación", ylab = "D. P. Acumulada")
points(x_1, DPPA_S$Radio, pch=17)
lines(x_1, DPPA_S$Tel..Movil, "l", col="red")
points(x_1, DPPA_S$Tel..Movil, pch=18, col="red")
lines(x_1, m, "l", col="green")
points(x_1, m, pch=16, col="green")
```



Porcentaje al ECA de la D. Potencia acumulada

Mediana general

```
DPP_sum_por <- tapply(BBDD_J[,10], BBDD_J[,1], sum)
n<-as.vector(DPP_sum_por)
median(n)
```

```
## [1] 0.1352699
```

```
IQR(n)
```

```
## [1] 0.0897253
```

La distribución de la suma acumulada en cada punto se puede observar con mayor detalle en un diaframa de caja, la media se indica por una línea azul, la mediana por una línea naranja

```

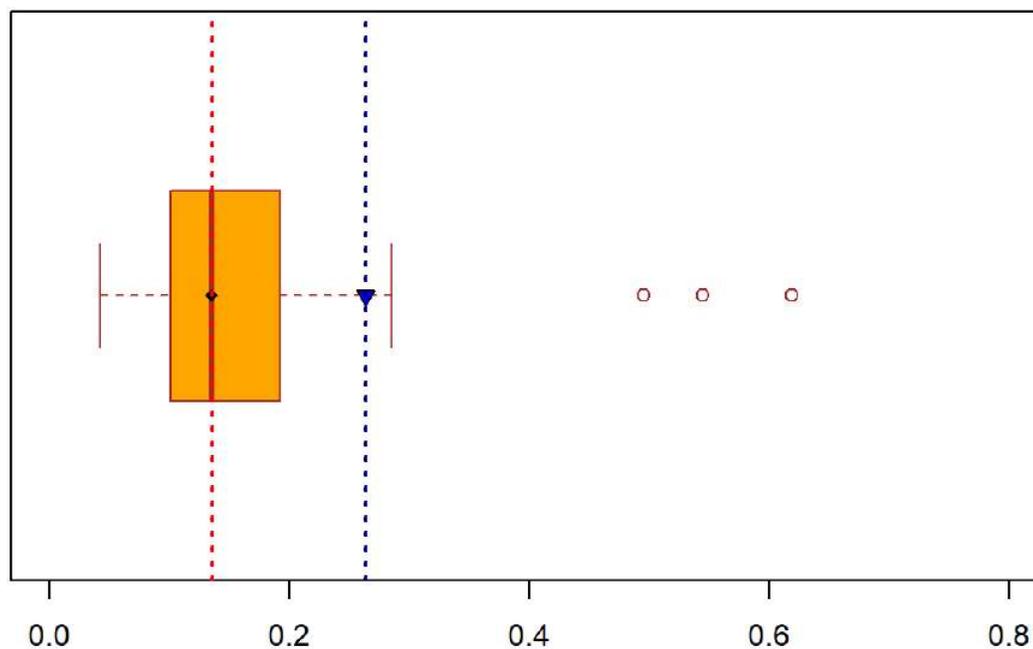
boxplot(n, ylim=c(0,0.8), col = "orange", border = "brown", horizontal = T)

#Si se desea ver la ubicación de la media, se genera lo siguiente:

points(mean(n), 1, pch=25, bg="blue")
abline(v=mean(n), lwd=2, lty=3, col="darkblue")

points(median(n), 1, pch=18, bg="red")
abline(v=median(n), lwd=2, lty=3, col="red")

```



Mediana por servicio

```

# Densidad de potencia promedio acumulada por punto

sum_DPP_P <- tapply(BBDD_J[,10], BBDD_J[,1:2], sum)

summary(sum_DPP_P)

```

```

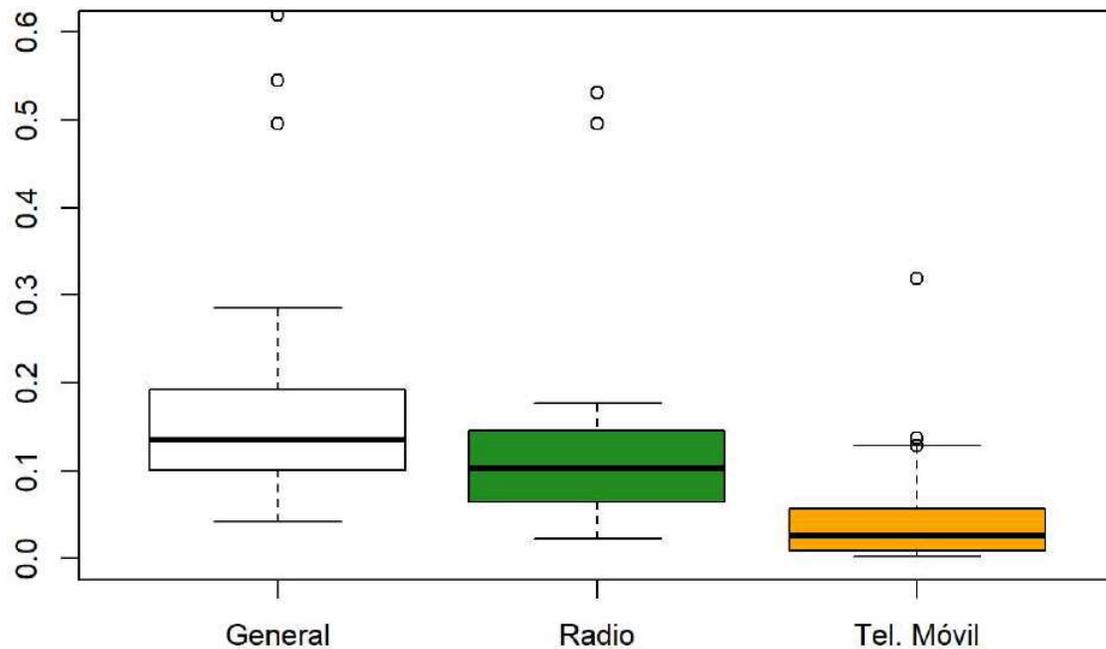
##      Radio      Tel. Movil
## Min.   :0.02250  Min.   :0.002531
## 1st Qu.:0.06598  1st Qu.:0.009041
## Median :0.10296  Median :0.025597
## Mean   :0.21326  Mean   :0.050454
## 3rd Qu.:0.14336  3rd Qu.:0.056031
## Max.   :1.80214  Max.   :0.318669

```

```
#Se genera uan nueva dataframe
```

```
DPPA_P<-data.frame(sum_DPP_P, n)
```

```
boxplot(DPPA_P$n, DPPA_P$Radio, DPPA_P$Tel..Movil, ylim=c(0,0.6), names = c("General", "Radio", "Tel. Móvil"), col = c("white", "forestgreen", "orange"))
```



```
median(DPPA_P$Radio)
```

```
## [1] 0.102958
```

```
IQR(DPPA_P$Radio)
```

```
## [1] 0.07738119
```

```
median(DPPA_P$Tel..Movil)
```

```
## [1] 0.02559697
```

```
IQR(DPPA_P$Tel..Movil)
```

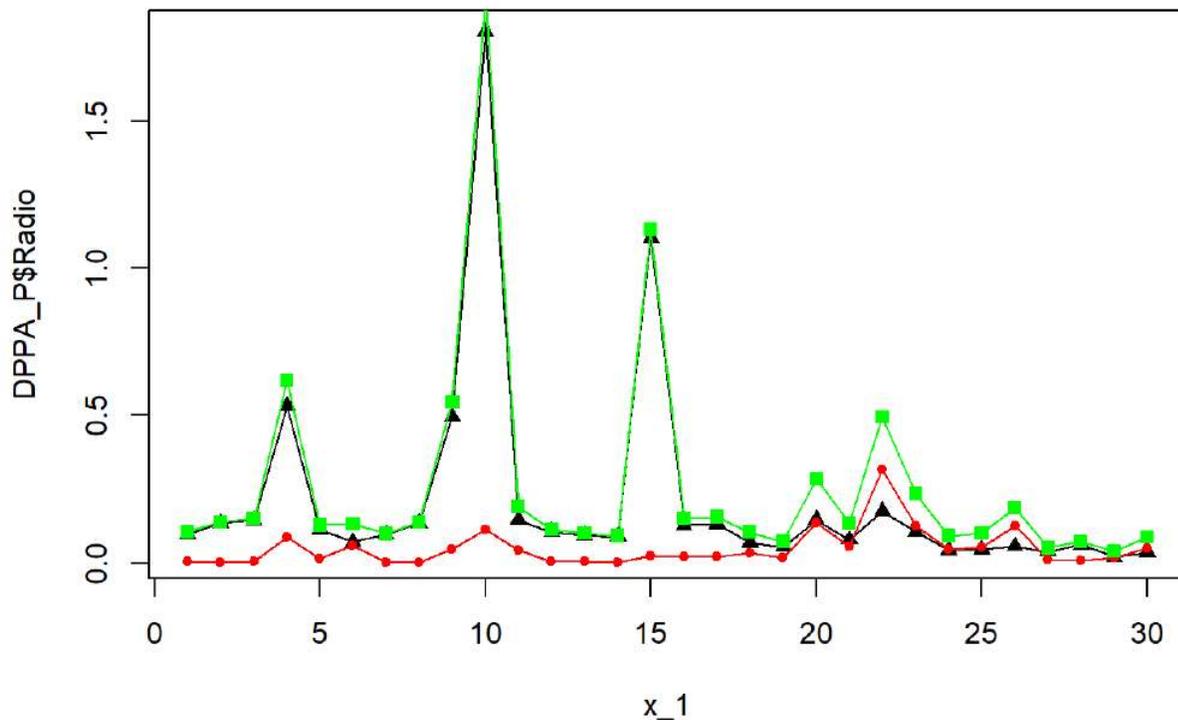
```
## [1] 0.04699036
```

Acumulados por punto

```
head(DPPA_P)
```

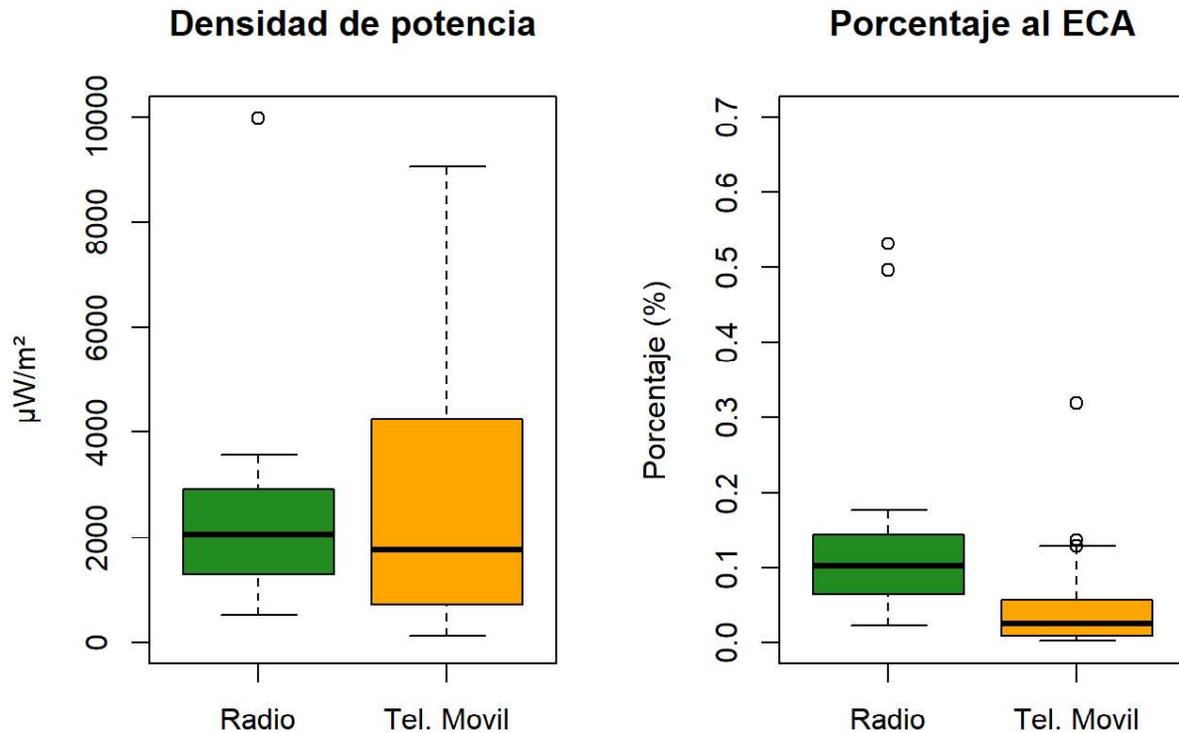
```
##          Radio Tel..Movil          n
## 1 0.09897218 0.008663692 0.1076359
## 2 0.13734370 0.002858724 0.1402024
## 3 0.14536346 0.007209985 0.1525734
## 4 0.53106197 0.088147536 0.6192095
## 5 0.11434370 0.015214491 0.1295582
## 6 0.07272870 0.060735632 0.1334643
```

```
plot(x_1, DPPA_P$Radio, "l")
points(x_1, DPPA_P$Radio, pch=17)
lines(x_1, DPPA_P$Tel..Movil, "l", col="red")
points(x_1, DPPA_P$Tel..Movil, pch=20, col="red")
lines(x_1, DPPA_P$n, "l", col="green")
points(x_1, DPPA_P$n, pch=15, col="green")
```



Gráfica de la densidad de potencia acumulada

```
par(mfrow=c(1,2))
boxplot(sum_DPP_S, ylim=c(0,10000), ylab="μW/m²", main="Densidad de potencia", border = c("black"), col=c("forestgreen", "orange"))
boxplot(sum_DPP_P, ylim=c(0, 0.7), ylab="Porcentaje (%)", main="Porcentaje al ECA", border = c("black"), col=c("forestgreen", "orange"))
```

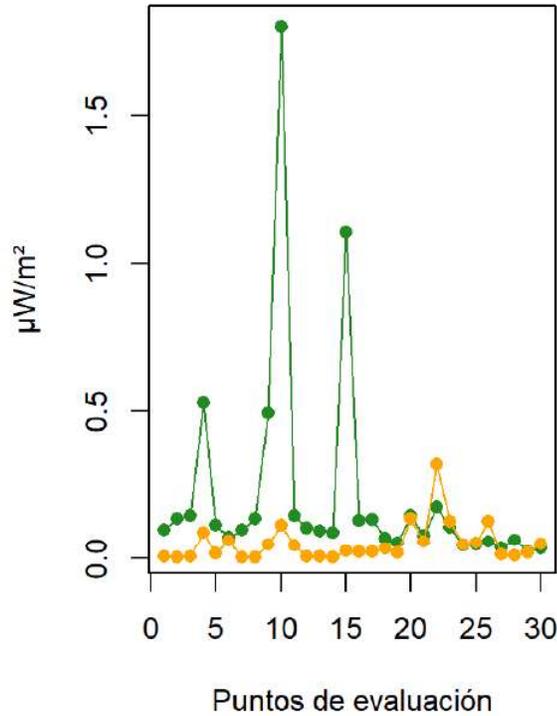


```

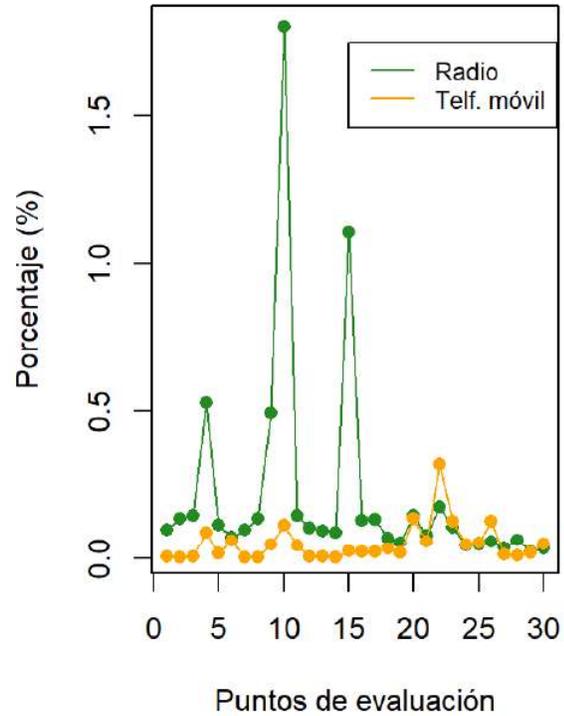
par(mfrow=c(1,2))
plot(x_1, DPPA_P$Radio, "l", col="forestgreen", ylab = "μW/m²", main = "Densidad de potencia",
xlab = "Puntos de evaluación")
points(x_1, DPPA_P$Radio, pch=16, col="forestgreen")
lines(x_1, DPPA_P$Tel..Movil, "l", col="orange")
points(x_1, DPPA_P$Tel..Movil, pch=16, col="orange")
legend(15,35000, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty =
1, cex = .8, y.intersp = 1)
plot(x_1, DPPA_P$Radio, "l", col="forestgreen", ylab = "Porcentaje (%)", main = "Porcentaje a
l ECA", xlab = "Puntos de evaluación")
points(x_1, DPPA_P$Radio, pch=16, col="forestgreen")
lines(x_1, DPPA_P$Tel..Movil, "l", col="orange")
points(x_1, DPPA_P$Tel..Movil, pch=16, col="orange")
legend(15,1.75, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty = 1
, cex = .8, y.intersp = 1)

```

Densidad de potencia



Porcentaje al ECA

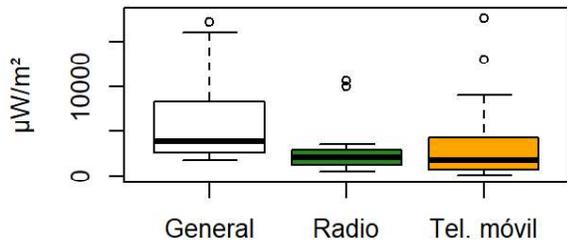


```

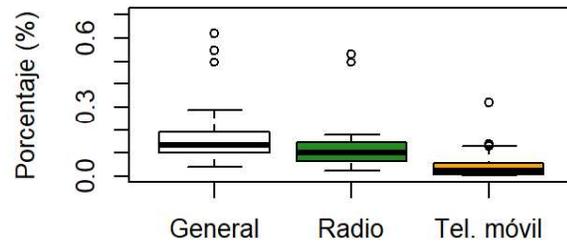
par(mfrow=c(2,2))
boxplot(DPA$Pot_acum ~ DPA$Cat_acum, ylim=c(0,18000), ylab="μW/m²", main="Densidad de potencia", border = c("black"), col=c("white", "forestgreen", "orange"), xlab = NULL)
boxplot(DPPA_P$n, DPPA_P$Radio, DPPA_P$Tel..Movil, ylim=c(0, 0.7), ylab="Porcentaje (%)", main="Porcentaje al ECA", border = c("black"), col=c("white", "forestgreen", "orange"), names = c("General", "Radio", "Tel. móvil"))
plot(x_1, DPPA_S$Radio, "l", col="forestgreen", ylab = "μW/m²", main = "Densidad de potencia", xlab = "Puntos de evaluación")
points(x_1, DPPA_S$Radio, pch=16, col="forestgreen")
lines(x_1, DPPA_S$Tel..Movil, "l", col="orange")
points(x_1, DPPA_S$Tel..Movil, pch=16, col="orange")
legend(18.5,35000, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty = 1, cex = .8, y.intersp = 1)
plot(x_1, DPPA_P$Radio, "l", col="forestgreen", ylab = "Porcentaje (%)", main = "Porcentaje al ECA", xlab = "Puntos de evaluación")
points(x_1, DPPA_P$Radio, pch=16, col="forestgreen")
lines(x_1, DPPA_P$Tel..Movil, "l", col="orange")
points(x_1, DPPA_P$Tel..Movil, pch=16, col="orange")
legend(18.5,1.75, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty = 1, cex = .8, y.intersp = 1)

```

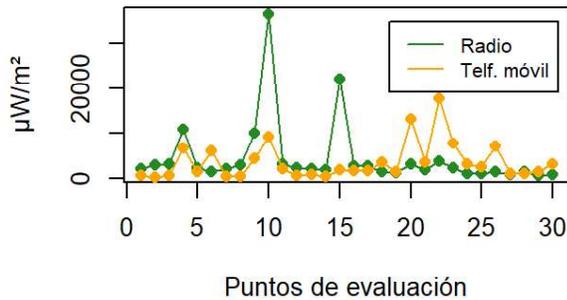
Densidad de potencia



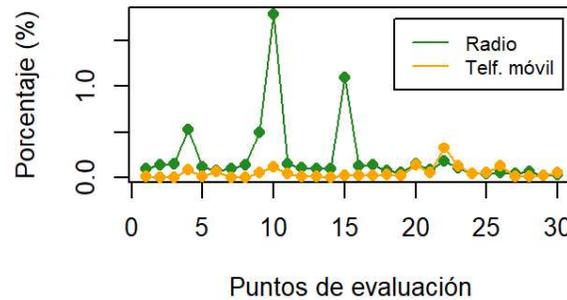
Porcentaje al ECA



Densidad de potencia



Porcentaje al ECA



Intensidad de campo magnético

Intensidad de campo magnetico promedio

Mediana general

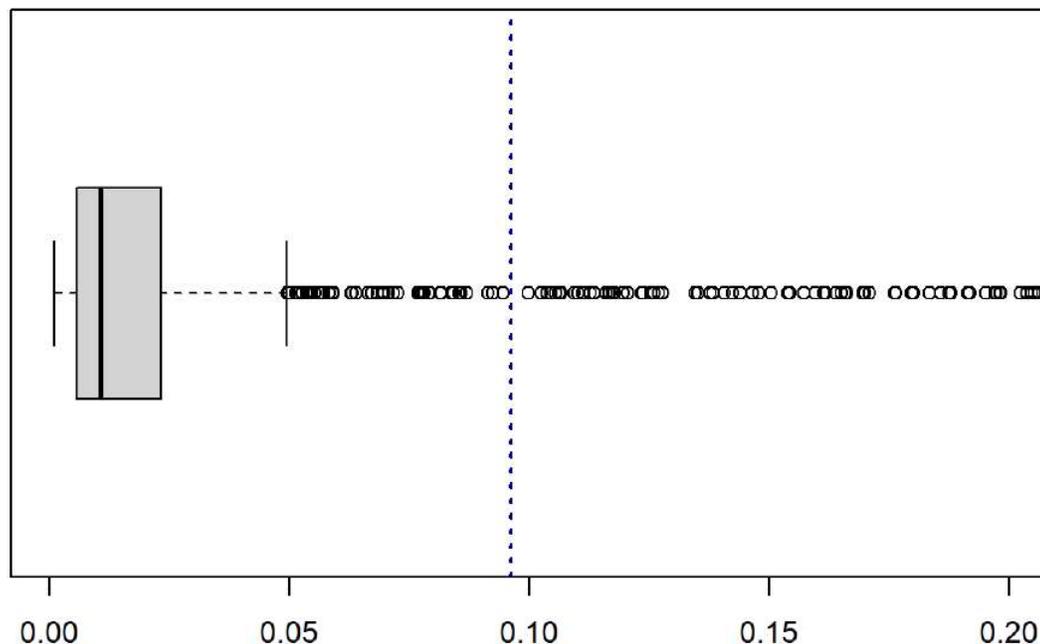
```
median(BBDD_J$Magnetico_P); IQR(BBDD_J$Magnetico_P); mean(BBDD_J$Magnetico_P)
```

```
## [1] 0.010725
```

```
## [1] 0.01745075
```

```
## [1] 0.09611867
```

```
boxplot(BBDD_J$Magnetico_P, ylim=c(0,0.2), horizontal = TRUE)
abline(v=mean(BBDD_J$Magnetico_P), lwd=2, lty=3, col="darkblue")
```



Mediana por servicio

```
tapply(BBDD_J[,12], BBDD_J[,2], median)
```

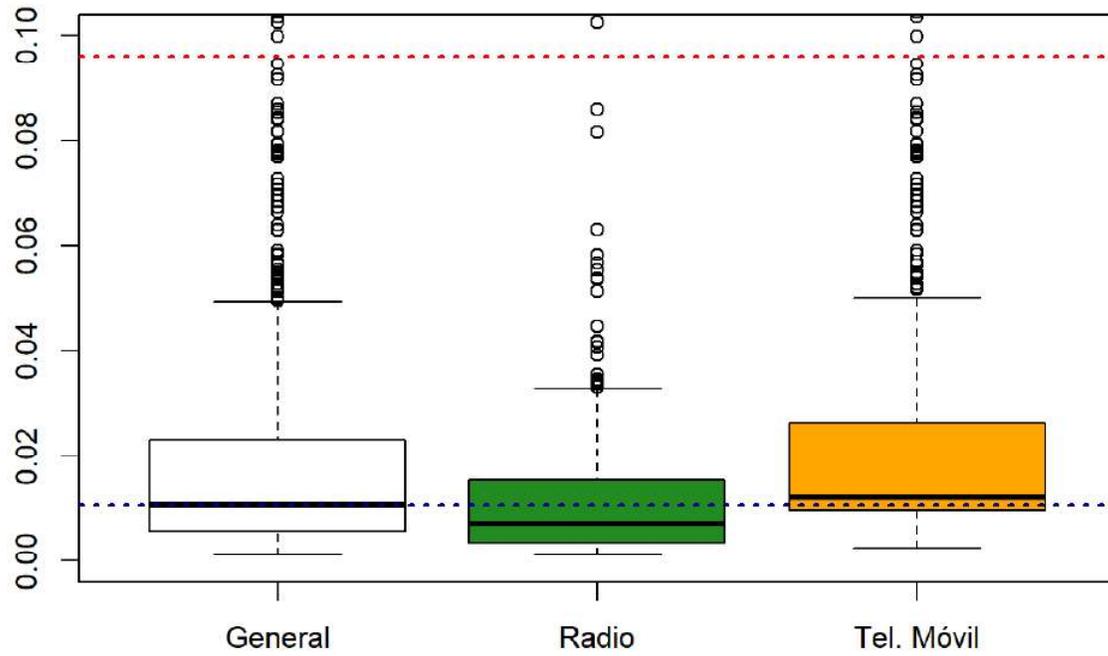
```
##      Radio Tel. Movil
## 0.007146 0.012070
```

```
tapply(BBDD_J[,12], BBDD_J[,2], IQR)
```

```
##      Radio Tel. Movil
## 0.01170375 0.01667000
```

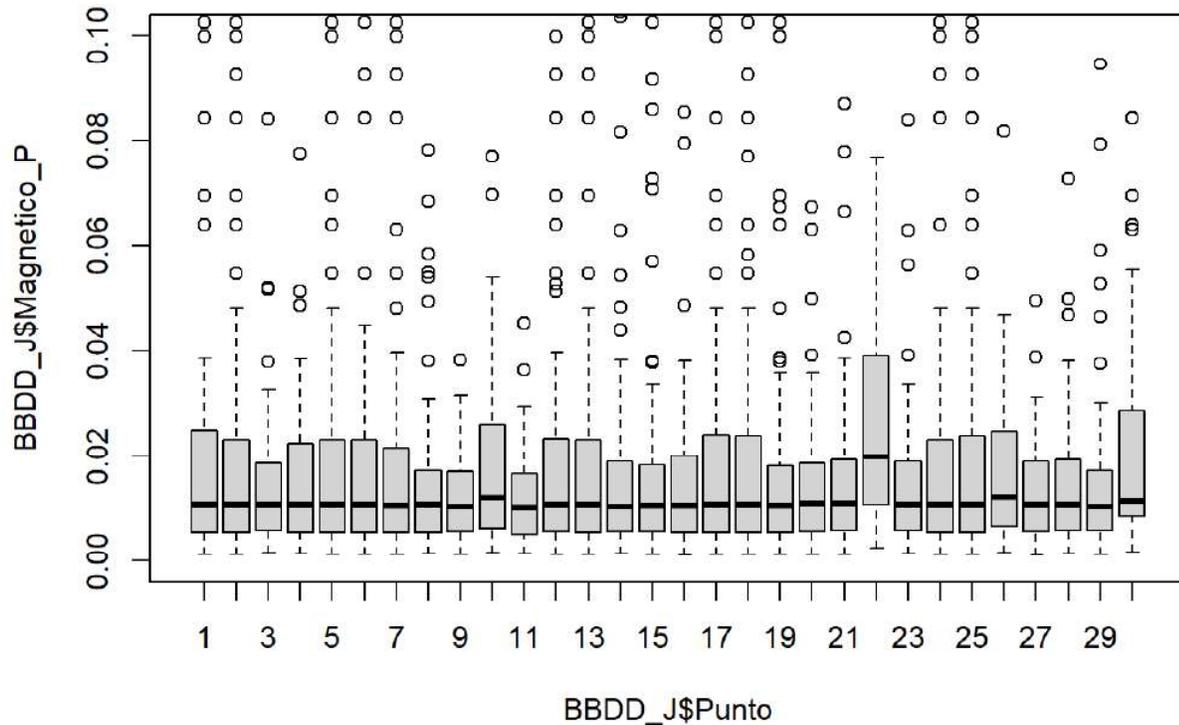
```
magnetico_radio<-BBDD_J[BBDD_J$Servicio=="Radio", 12]
magnetico_movil<- BBDD_J[BBDD_J$Servicio=="Tel. Movil", 12]
```

```
boxplot(BBDD_J$Magnetico_P, magnetico_radio, magnetico_movil, ylim=c(0,0.1), vertical = TRUE,
border = c("black"), col=c("white", "forestgreen", "orange"), names = c("General", "Radio",
"Tel. Móvil"))
abline(h=median(BBDD_J$Magnetico_P), lwd=2, lty=3, col="darkblue")
abline(h=mean(BBDD_J$Magnetico_P), lwd=2, lty=3, col="red")
```



Medianas por punto

```
boxplot(BBDD_J$Magnetico_P ~ BBDD_J$Punto, ylim=c(0,0.1))
```



La mediana general en cada punto se calcula de la siguiente manera:

```
icp_median<-as.vector(tapply(BBDD_J[,12], BBDD_J[,1], median))
icp_median
```

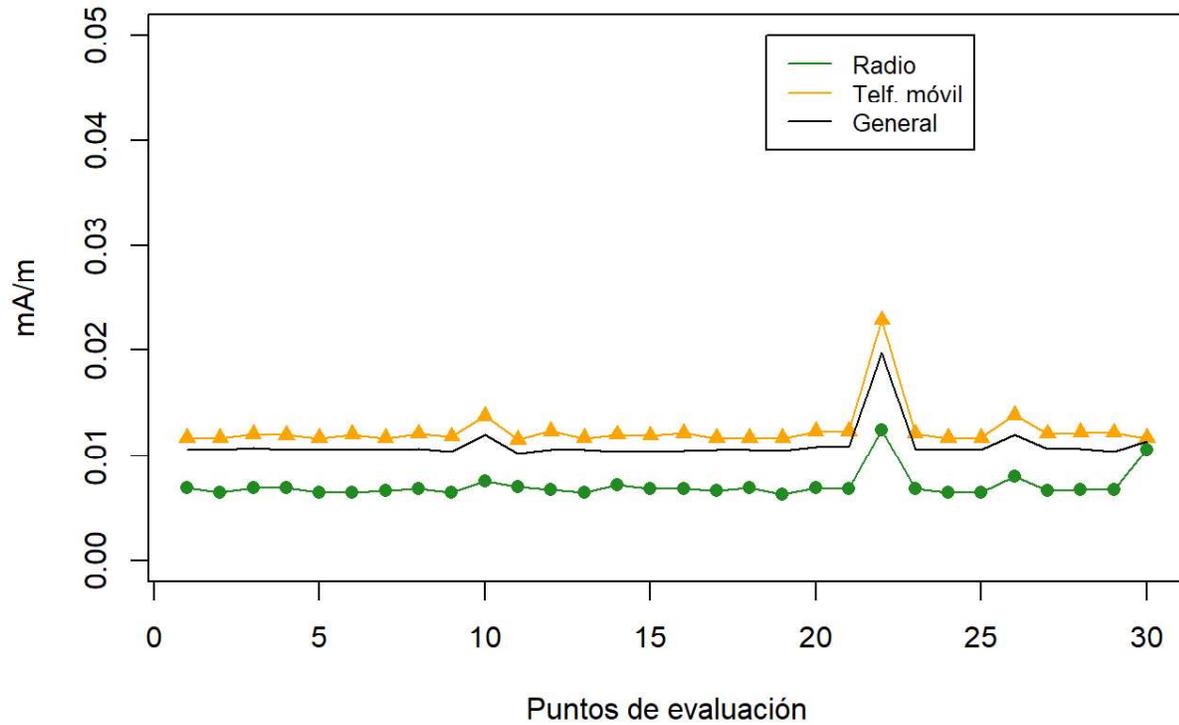
```
## [1] 0.010630 0.010630 0.010780 0.010645 0.010630 0.010630 0.010595 0.010660
## [9] 0.010420 0.012025 0.010250 0.010630 0.010630 0.010415 0.010460 0.010530
## [17] 0.010630 0.010630 0.010475 0.010845 0.010895 0.019760 0.010740 0.010630
## [25] 0.010645 0.012065 0.010675 0.010735 0.010410 0.011400
```

La mediana de acuerdo con el tipo de servicio en cada punto se calcula del siguiente modo:

```
med_cm<-tapply(BBDD_J[,12], BBDD_J[,1:2], median)

cm_med<-data.frame(med_cm)

plot(x_1, cm_med$Radio, ylim = c(0,0.05), "l", col="forestgreen", ylab = "mA/m", xlab = "Puntos de evaluación")
points(x_1, cm_med$Radio, pch=16, col="forestgreen")
lines(x_1, cm_med$Tel..Movil, "l", col="orange")
points(x_1, cm_med$Tel..Movil, pch=17, col="orange")
lines(x_1, icp_median)
legend(18.5,0.05, legend = c("Radio", "Telf. móvil", "General"), col = c("forestgreen", "orange", "black"), lty = 1, cex = .8, y.intersp = 1)
```



Porcentaje respecto al ECA en Campos magnéticos

Mediana general

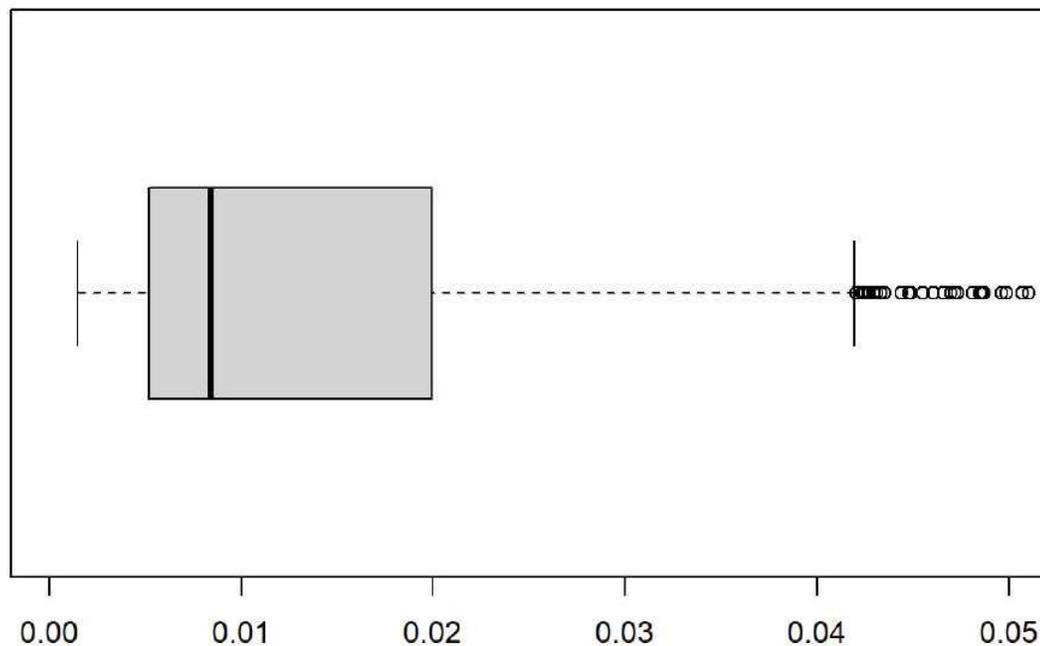
```
median(BBDD_J$CMP_ECA)
```

```
## [1] 0.00838728
```

```
IQR(BBDD_J$CMP_ECA)
```

```
## [1] 0.01467982
```

```
boxplot(BBDD_J$CMP_ECA, ylim=c(0,0.05), horizontal = TRUE)
```



Mediana por servicio

```
tapply(BBDD_J[,15], BBDD_J[,2], median)
```

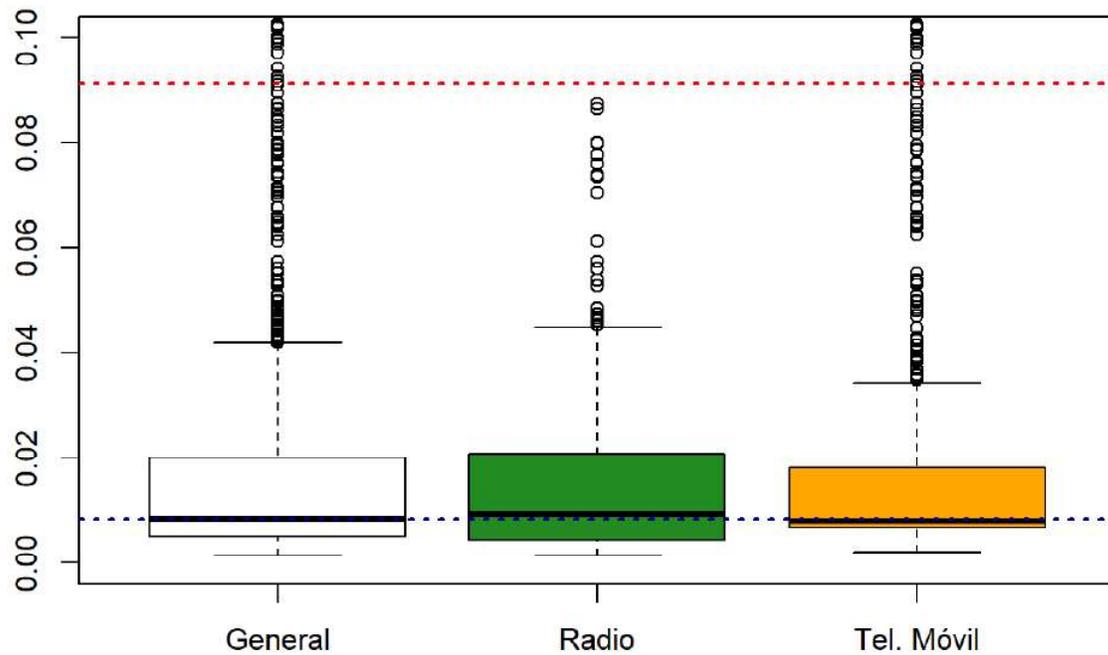
```
##      Radio Tel. Movil
## 0.009268777 0.008099473
```

```
tapply(BBDD_J[,15], BBDD_J[,2], IQR)
```

```
##      Radio Tel. Movil
## 0.01638523 0.01121465
```

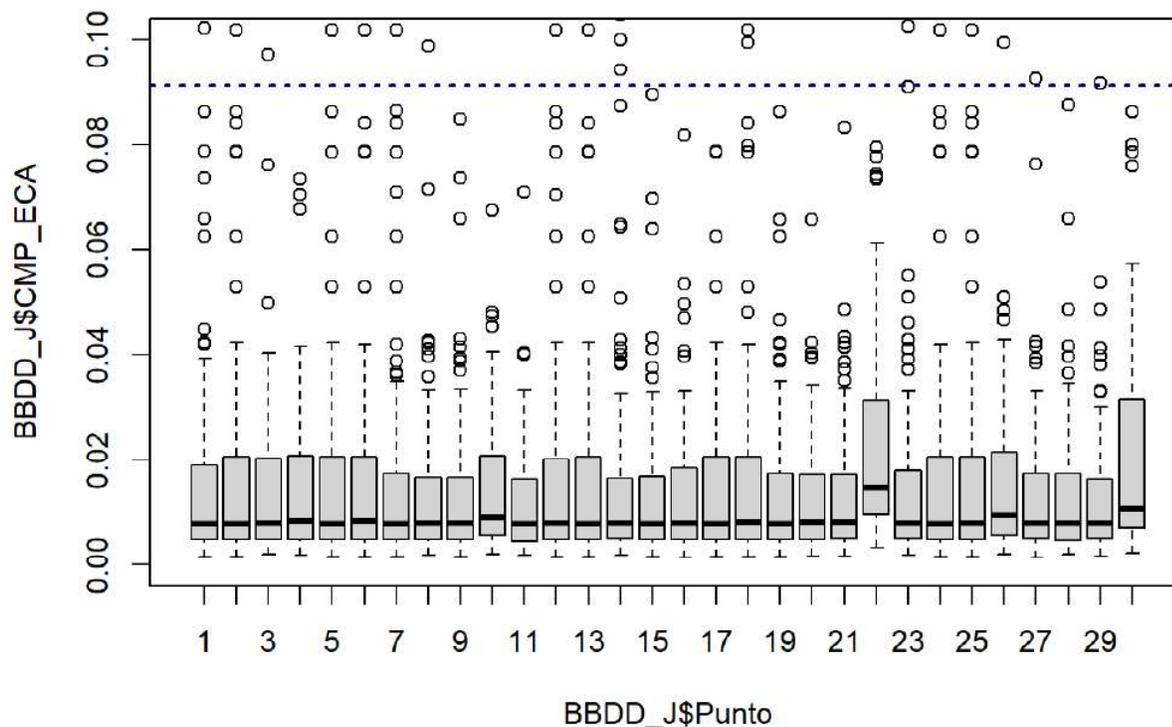
```
magnetico_radio_p<-BBDD_J[BBDD_J$Servicio=="Radio", 15]
magnetico_movil_p<- BBDD_J[BBDD_J$Servicio=="Tel. Movil", 15]
```

```
boxplot(BBDD_J$CMP_ECA, magnetico_radio_p, magnetico_movil_p, ylim=c(0,0.1), vertical = TRUE,
border = c("black"), col=c("white", "forestgreen", "orange"), names = c("General", "Radio",
"Tel. Móvil"))
abline(h=median(BBDD_J$CMP_ECA), lwd=2, lty=3, col="darkblue")
abline(h=mean(BBDD_J$CMP_ECA), lwd=2, lty=3, col="red")
```



Medianas por punto

```
boxplot(BBDD_J$CMP_ECA ~ BBDD_J$Punto, ylim=c(0,0.1))  
abline(h=mean(BBDD_J$CMP_ECA), lwd=2, lty=3, col="darkblue")
```



La mediana general en cada punto se calcula de la siguiente manera:

```
icp_median_p<-as.vector(tapply(BBDD_J[,15], BBDD_J[,1], median))
icp_median_p
```

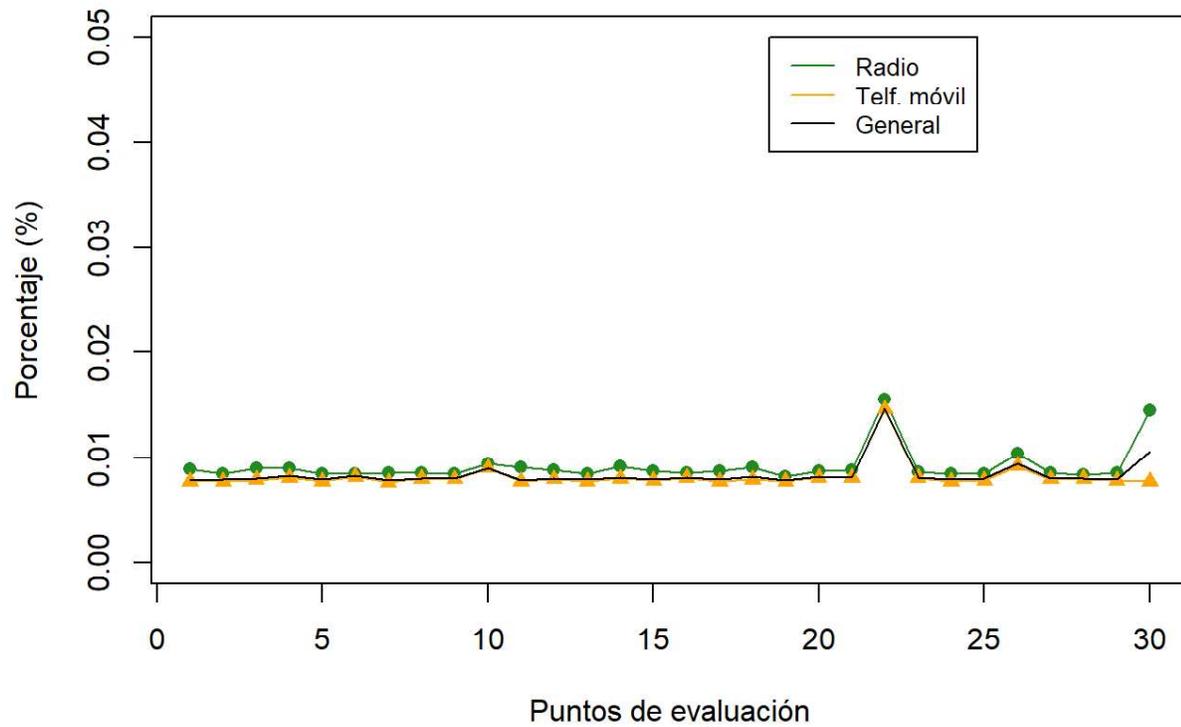
```
## [1] 0.007831250 0.007926990 0.008046875 0.008336991 0.007926990 0.008318014
## [7] 0.007831250 0.008064151 0.007991776 0.009040625 0.007878125 0.008062500
## [13] 0.007926990 0.008103125 0.007934375 0.008093258 0.007926990 0.008180514
## [19] 0.007831250 0.008218292 0.008139532 0.014688333 0.008087500 0.007926990
## [25] 0.007998865 0.009430342 0.008065625 0.008004499 0.007965625 0.010627036
```

La mediana de acuerdo con el tipo de servicio en cada punto se calcula del siguiente modo:

```
med_cm_p<-tapply(BBDD_J[,15], BBDD_J[,1:2], median)

cm_med_p<-data.frame(med_cm_p)

plot(x_1, cm_med_p$Radio, ylim = c(0,0.05), "l", col="forestgreen", ylab = "Porcentaje (%)",
      xlab = "Puntos de evaluación")
points(x_1, cm_med_p$Radio, pch=16, col="forestgreen")
lines(x_1, cm_med_p$Tel..Movil, "l", col="orange")
points(x_1, cm_med_p$Tel..Movil, pch=17, col="orange")
lines(x_1, icp_median_p)
legend(18.5,0.05, legend = c("Radio", "Telf. móvil", "General"), col = c("forestgreen", "orange", "black"), lty = 1, cex = .8, y.intersp = 1)
```



Gráfica de la intensidad de campo magnético promedio y porcentaje respecto al ECA

```

par(mfrow=c(2,2))

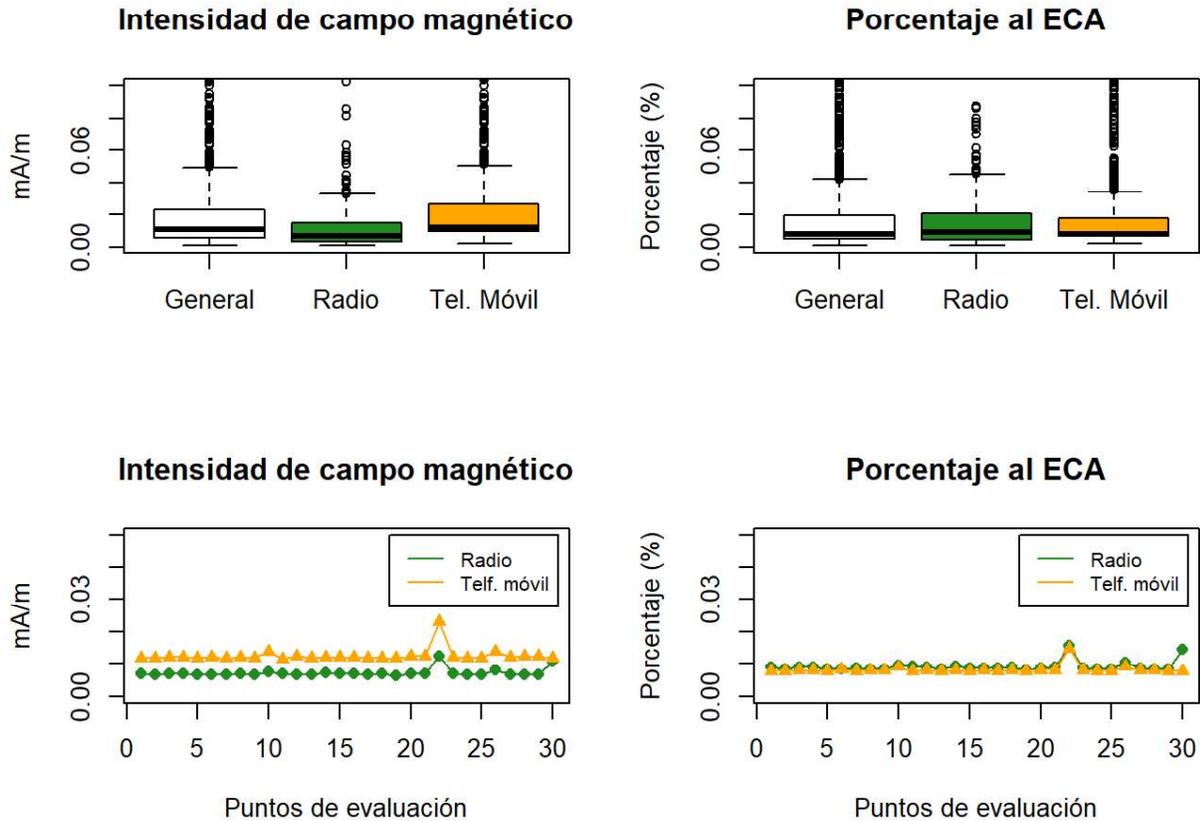
boxplot(BBDD_J$Magnetico_P, magnetico_radio, magnetico_movil, ylim=c(0,0.1), vertical = TRUE,
border = c("black"), col=c("white", "forestgreen", "orange"), names = c("General", "Radio",
"Tel. Móvil"), ylab="mA/m", main="Intensidad de campo magnético")
#abline(h=median(BBDD_J$Magnetico_P), lwd=2, lty=3, col="darkblue")
#abline(h=mean(BBDD_J$Magnetico_P), lwd=2, lty=3, col="red")

boxplot(BBDD_J$CMP_ECA, magnetico_radio_p, magnetico_movil_p, ylim=c(0,0.1), vertical = TRUE,
border = c("black"), col=c("white", "forestgreen", "orange"), names = c("General", "Radio",
"Tel. Móvil"), ylab="Porcentaje (%)", main = "Porcentaje al ECA")
#abline(h=median(BBDD_J$CMP_ECA), lwd=2, lty=3, col="darkblue")
#abline(h=mean(BBDD_J$CMP_ECA), lwd=2, lty=3, col="red")

plot(x_1, cm_med$Radio, ylim = c(0,0.05), "l", col="forestgreen", ylab = "mA/m", xlab = "Punt
os de evaluación", main="Intensidad de campo magnético")
points(x_1, cm_med$Radio, pch=16, col="forestgreen")
lines(x_1, cm_med$Tel..Movil, "l", col="orange")
points(x_1, cm_med$Tel..Movil, pch=17, col="orange")
#Lines(x_1, icp_median)
legend(18.5,0.05, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty =
1, cex = .8, y.intersp = 1)

plot(x_1, cm_med_p$Radio, ylim = c(0,0.05), "l", col="forestgreen", ylab = "Porcentaje (%)",
xlab = "Puntos de evaluación", main = "Porcentaje al ECA")
points(x_1, cm_med_p$Radio, pch=16, col="forestgreen")
lines(x_1, cm_med_p$Tel..Movil, "l", col="orange")
points(x_1, cm_med_p$Tel..Movil, pch=17, col="orange")
#Lines(x_1, icp_median_p)
legend(18.5,0.05, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty =
1, cex = .8, y.intersp = 1)

```



Intensidad de campo magnético acumulado

Mediana general

```
CM_sum_por <- tapply(BBDD_J[,12], BBDD_J[,1], sum)
n_2<-as.vector(CM_sum_por)
median(n_2)
```

```
## [1] 10.23983
```

```
IQR(n_2)
```

```
## [1] 6.47655
```

La distribución de la suma acumulada en cada punto se puede observar con mayor detalle en un diaframa de caja, la media se indica por una línea azul, la mediana por una línea roja

```

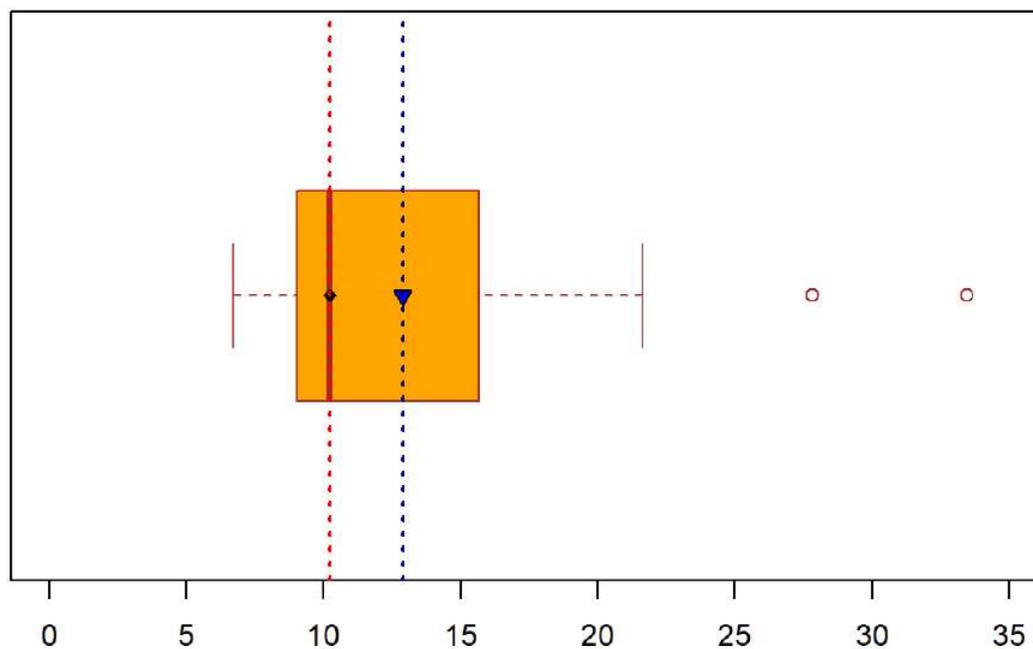
boxplot(n_2, ylim=c(0,35), col = "orange", border = "brown", horizontal = T)

#Si se desea ver la ubicación de La media, se genera Lo siguiente:

points(mean(n_2), 1, pch=25, bg="blue")
abline(v=mean(n_2), lwd=2, lty=3, col="darkblue")

points(median(n_2), 1, pch=18, bg="red")
abline(v=median(n_2), lwd=2, lty=3, col="red")

```



Mediana por servicio

```

# Densidad de potencia promedio acumulada por punto

sum_CM_S <- tapply(BBDD_J[,12], BBDD_J[,1:2], sum)

summary(sum_CM_S)

```

```

##      Radio      Tel. Movil
## Min.   : 2.010  Min.   : 2.514
## 1st Qu.: 3.602  1st Qu.: 5.213
## Median : 4.291  Median : 6.811
## Mean   : 4.833  Mean   : 8.047
## 3rd Qu.: 4.628  3rd Qu.: 9.998
## Max.   :16.381  Max.   :21.470

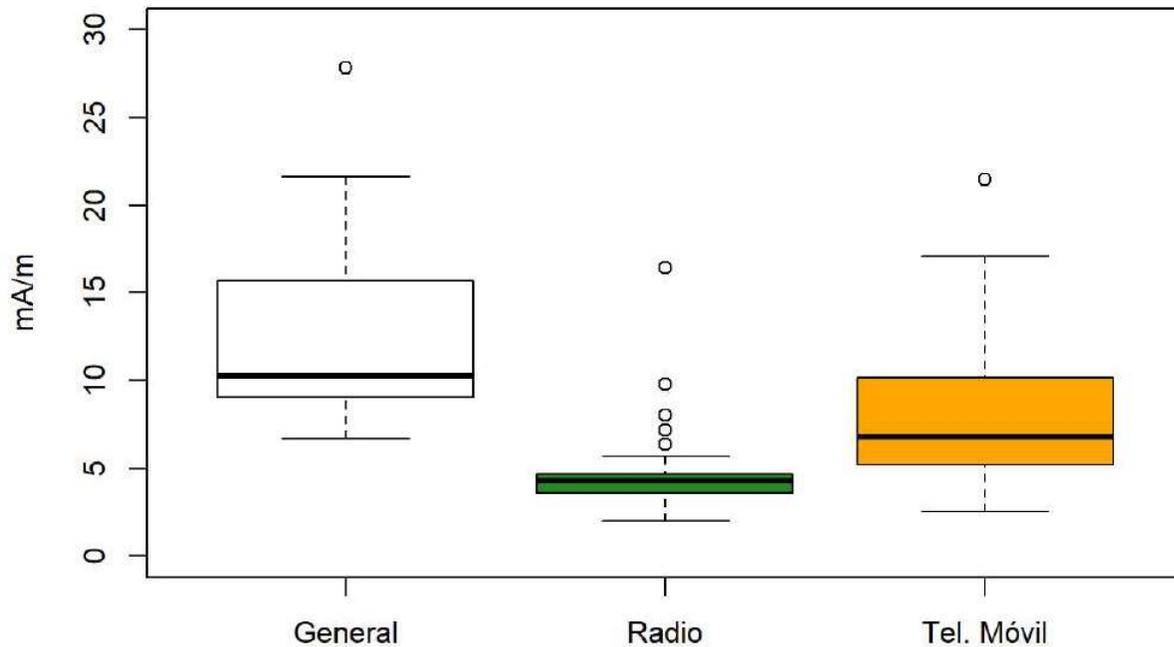
```

```
#Se genera uan nueva dataframe
```

```
CM_S<-data.frame(sum_CM_S, n_2)
```

```
boxplot(CM_S$n_2, CM_S$Radio, CM_S$Tel..Movil, ylim=c(0,30), names = c("General", "Radio", "Tel. Móvil"), col = c("white", "forestgreen", "orange"), ylab="mA/m", main="Intensidad de Campo Magnético")
```

Intensidad de Campo Magnético



```
median(CM_S$Radio)
```

```
## [1] 4.291047
```

```
IQR(CM_S$Radio)
```

```
## [1] 1.025902
```

```
median(CM_S$Tel..Movil)
```

```
## [1] 6.81106
```

```
IQR(CM_S$Tel..Movil)
```

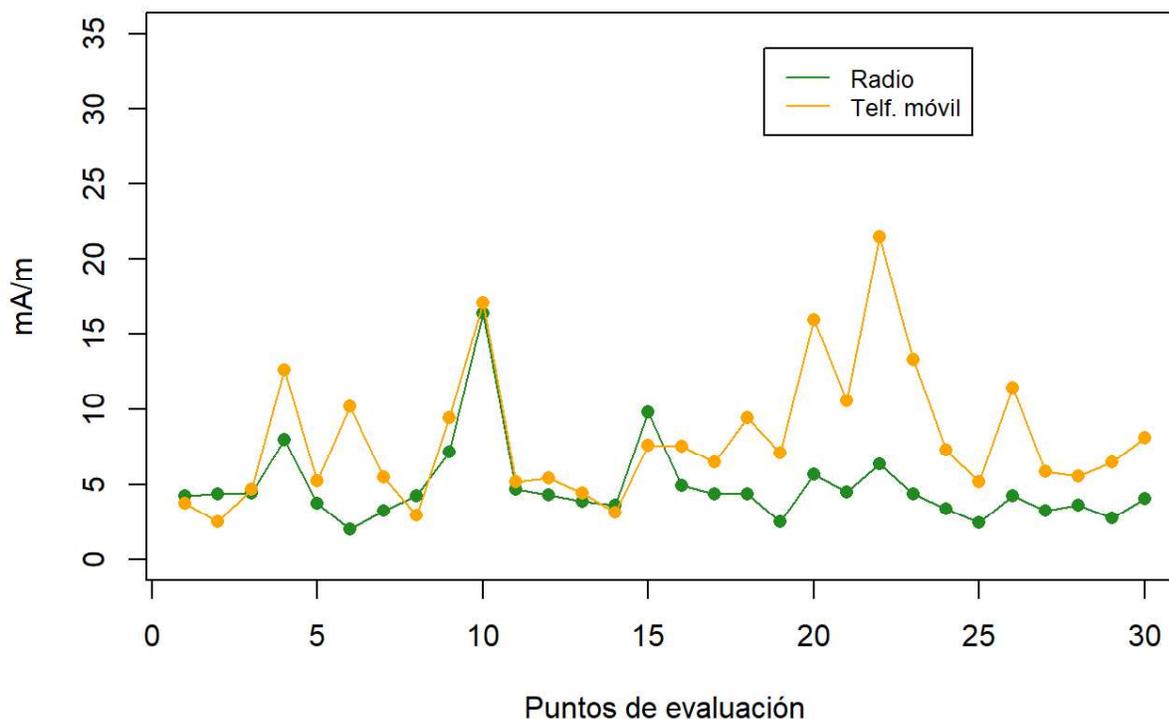
```
## [1] 4.784984
```

Acumulados por punto

```
head(DPPA_P)
```

```
##          Radio Tel..Movil          n
## 1 0.09897218 0.008663692 0.1076359
## 2 0.13734370 0.002858724 0.1402024
## 3 0.14536346 0.007209985 0.1525734
## 4 0.53106197 0.088147536 0.6192095
## 5 0.11434370 0.015214491 0.1295582
## 6 0.07272870 0.060735632 0.1334643
```

```
plot(x_1, CM_S$Radio, "l", col="forestgreen", ylab = "mA/m", main = "Intensidad de campo magnético", xlab = "Puntos de evaluación", ylim = c(0,35))
points(x_1, CM_S$Radio, pch=16, col="forestgreen")
lines(x_1, CM_S$Tel..Movil, "l", col="orange")
points(x_1, CM_S$Tel..Movil, pch=16, col="orange")
legend(18.5,34, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty = 1, cex = .8, y.intersp = 1)
```

Intensidad de campo magnético**Porcentaje respecto al ECA acumulado****Mediana general**

```
CM_acum_por <- tapply(BBDD_J[,15], BBDD_J[,1], sum)
n_3<-as.vector(CM_acum_por)
median(n_3)
```

```
## [1] 9.98517
```

```
IQR(n_3)
```

```
## [1] 5.441125
```

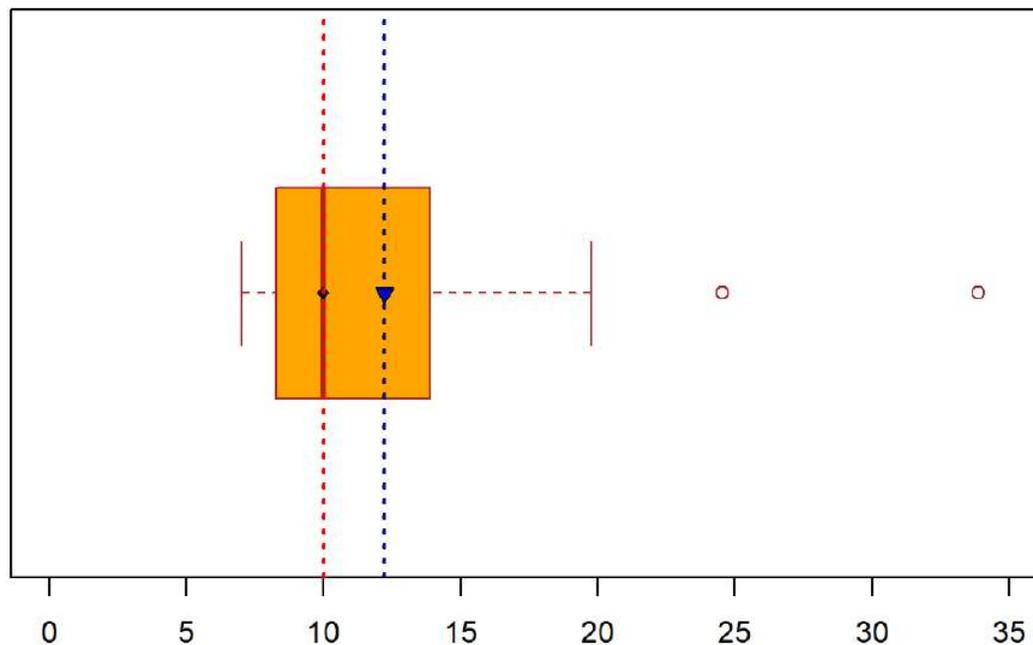
La distribución de la suma acumulada en cada punto se puede observar con mayor detalle en un diaframa de caja, la media se indica por una línea azul, la mediana por una línea roja

```
boxplot(n_3, ylim=c(0,35), col = "orange", border = "brown", horizontal = T)

#Si se desea ver La ubicación de La media, se genera lo siguiente:

points(mean(n_3), 1, pch=25, bg="blue")
abline(v=mean(n_3), lwd=2, lty=3, col="darkblue")

points(median(n_3), 1, pch=18, bg="red")
abline(v=median(n_3), lwd=2, lty=3, col="red")
```



Mediana por servicio

```
# Densidad de potencia promedio acumulada por punto

sum_CM_P <- tapply(BBDD_J[,15], BBDD_J[,1:2], sum)

summary(sum_CM_P)
```

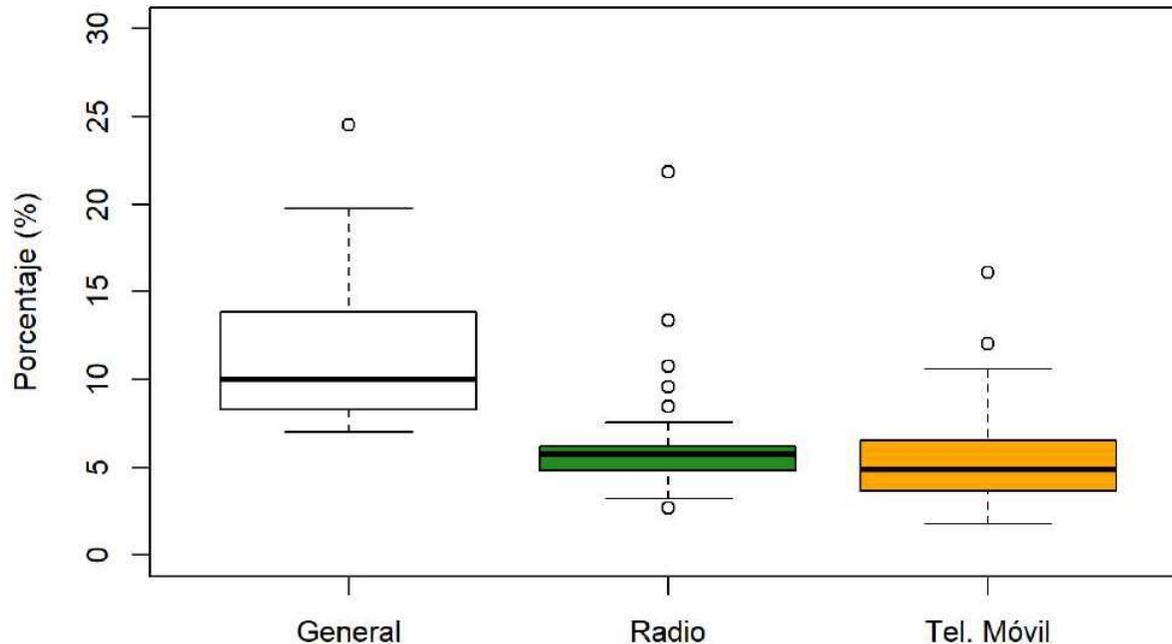
```
##      Radio      Tel. Movil
## Min.   : 2.669   Min.    : 1.798
## 1st Qu.: 4.814   1st Qu.: 3.676
## Median : 5.744   Median : 4.892
## Mean   : 6.452   Mean    : 5.762
## 3rd Qu.: 6.126   3rd Qu.: 6.535
## Max.   :21.859   Max.    :16.075
```

```
#Se genera un nueva dataframe
```

```
CM_P<-data.frame(sum_CM_P, n_3)
```

```
boxplot(CM_P$n_3, CM_P$Radio, CM_P$Tel..Movil, ylim=c(0,30), names = c("General", "Radio", "Tel. Móvil"), col = c("white", "forestgreen", "orange"), ylab="Porcentaje (%)", main="Porcentaje al ECA")
```

Porcentaje al ECA



```
median(CM_P$Radio)
```

```
## [1] 5.744414
```

```
IQR(CM_P$Radio)
```

```
## [1] 1.311719
```

```
median(CM_P$Tel..Movil)
```

```
## [1] 4.891509
```

```
IQR(CM_P$Tel..Movil)
```

```
## [1] 2.859132
```

Acumulados por punto

```
head(CM_P)
```

```
##      Radio Tel..Movil      n_3
## 1  5.718810  2.960919  8.679729
## 2  5.886125  1.797677  7.683802
## 3  5.921937  3.350939  9.272876
## 4 10.762896  8.992143 19.755039
## 5  5.064207  3.643220  8.707427
## 6  2.668590  6.513957  9.182547
```

```
plot(x_1, CM_P$Radio, "l", col="forestgreen", ylab = "Porcentaje (%)", main = "Porcentaje al
ECA", xlab = "Puntos de evaluación", ylim = c(0,35))
points(x_1, CM_P$Radio, pch=16, col="forestgreen")
lines(x_1, CM_P$Tel..Movil, "l", col="orange")
points(x_1, CM_P$Tel..Movil, pch=16, col="orange")
legend(18.5,34, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty = 1
, cex = .8, y.intersp = 1)
```

Porcentaje al ECA

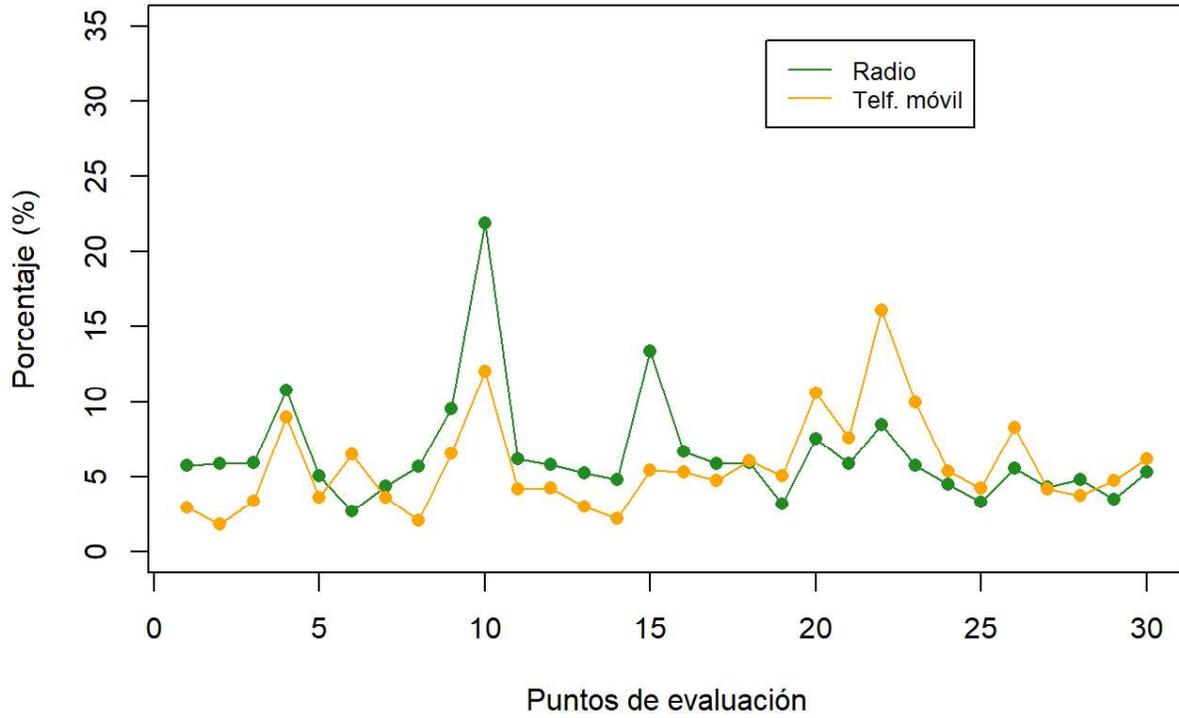


Grafico de la intensidad de campo magnético acumulado y su porcentaje respecto al ECA

```

par(mfrow=c(2,2))

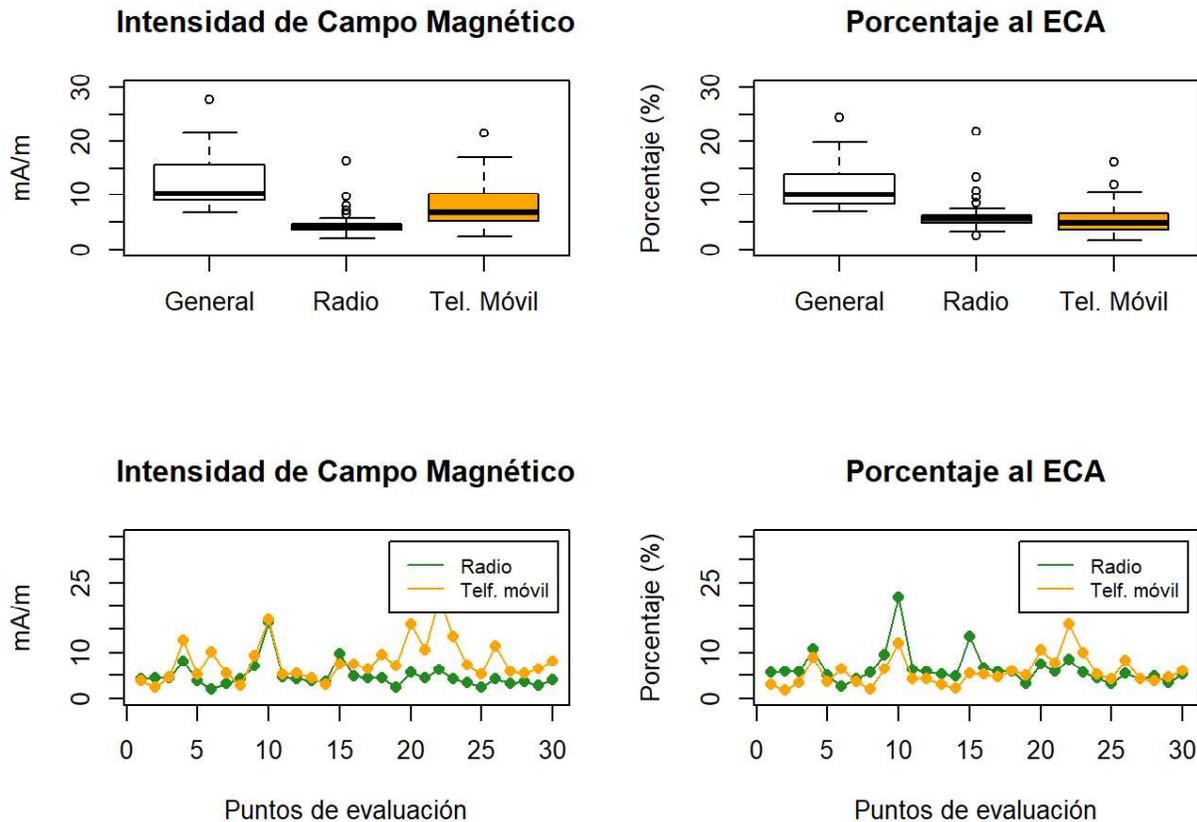
boxplot(CM_S$n_2, CM_S$Radio, CM_S$Tel..Movil, ylim=c(0,30), names = c("General", "Radio", "Tel. Móvil"), col = c("white", "forestgreen", "orange"), ylab="mA/m", main="Intensidad de Campo Magnético")

boxplot(CM_P$n_3, CM_P$Radio, CM_P$Tel..Movil, ylim=c(0,30), names = c("General", "Radio", "Tel. Móvil"), col = c("white", "forestgreen", "orange"), ylab="Porcentaje (%)", main="Porcentaje al ECA")

plot(x_1, CM_S$Radio, "1", col="forestgreen", ylab = "mA/m", main = "Intensidad de Campo Magnético", xlab = "Puntos de evaluación", ylim = c(0,35))
points(x_1, CM_S$Radio, pch=16, col="forestgreen")
lines(x_1, CM_S$Tel..Movil, "1", col="orange")
points(x_1, CM_S$Tel..Movil, pch=16, col="orange")
legend(18.5,34, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty = 1, cex = .8, y.intersp = 1)

plot(x_1, CM_P$Radio, "1", col="forestgreen", ylab = "Porcentaje (%)", main = "Porcentaje al ECA", xlab = "Puntos de evaluación", ylim = c(0,35))
points(x_1, CM_P$Radio, pch=16, col="forestgreen")
lines(x_1, CM_P$Tel..Movil, "1", col="orange")
points(x_1, CM_P$Tel..Movil, pch=16, col="orange")
legend(18.5,34, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty = 1, cex = .8, y.intersp = 1)

```



Intensidad de campo eléctrico

Intensidad de campo eléctrico promedio

```
median(BBDD_J$Electrico_P)
```

```
## [1] 4.0435
```

```
IQR(BBDD_J$Electrico_P)
```

```
## [1] 6.579
```

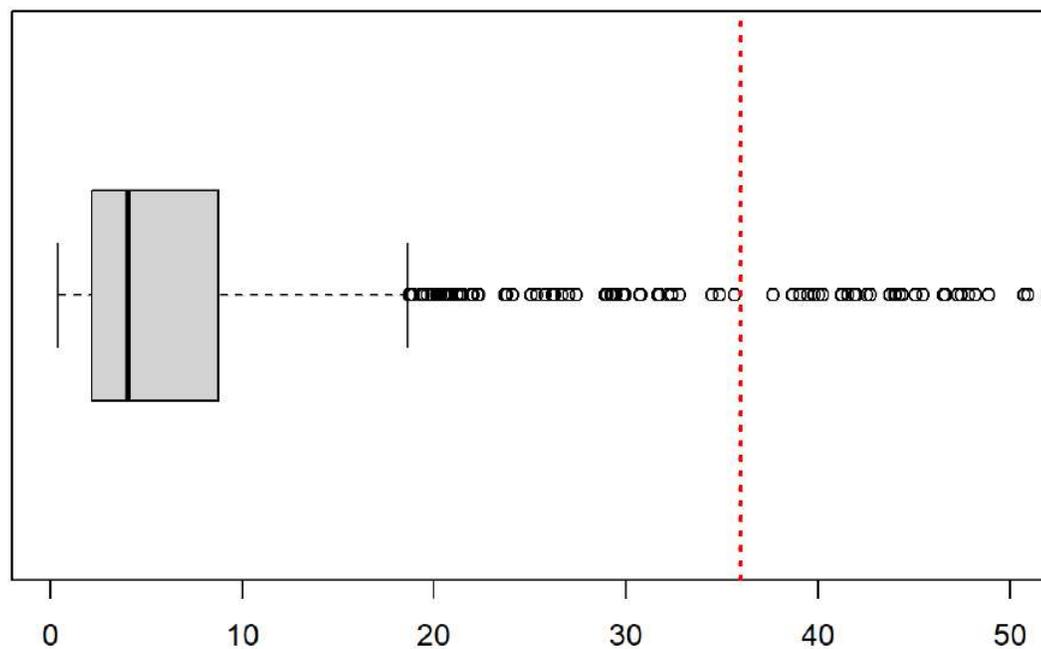
```
mean(BBDD_J$Electrico_P)
```

```
## [1] 35.92004
```

```
sd(BBDD_J$Electrico_P)
```

```
## [1] 143.3963
```

```
boxplot(BBDD_J$Electrico_P, horizontal = TRUE, ylim=c(0,50))  
abline(v=mean(BBDD_J$Electrico_P), lwd=2, lty=3, col="red")
```



Mediana por servicio

```
tapply(BBDD_J[,16], BBDD_J[,2], median)
```

```
##      Radio Tel. Movil
##      2.694      4.549
```

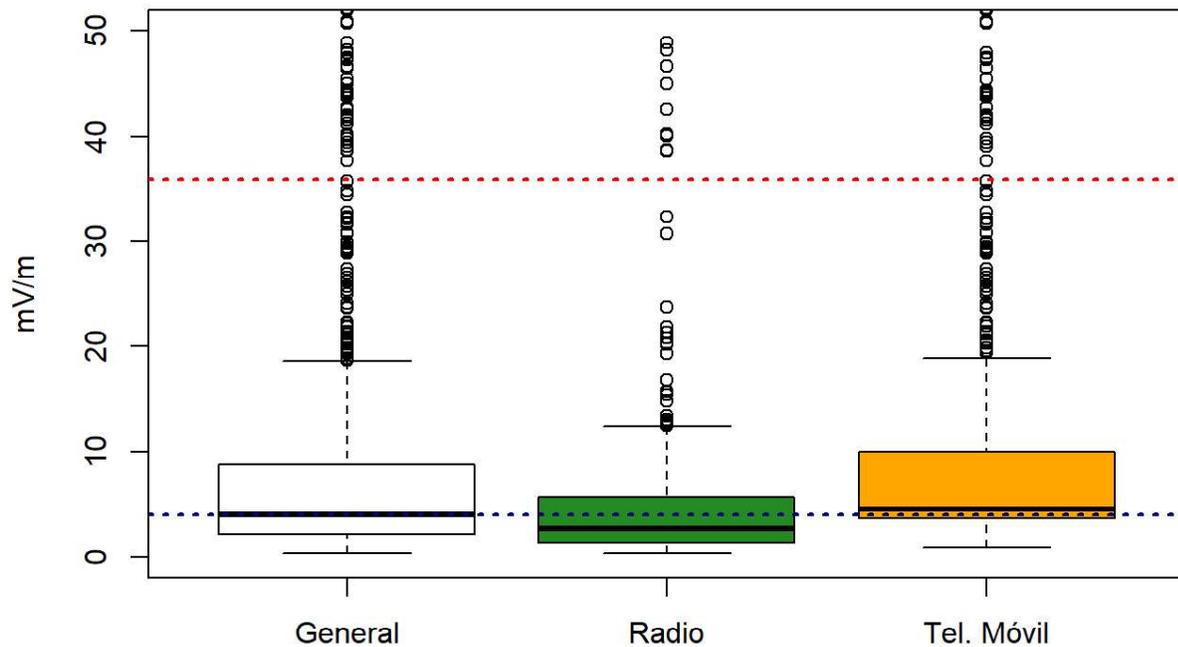
```
tapply(BBDD_J[,16], BBDD_J[,2], IQR)
```

```
##      Radio Tel. Movil
##      4.41050  6.28325
```

```
electrico_radio<-BBDD_J[BBDD_J$Servicio=="Radio", 16]
electrico_movil<- BBDD_J[BBDD_J$Servicio=="Tel. Movil", 16]
```

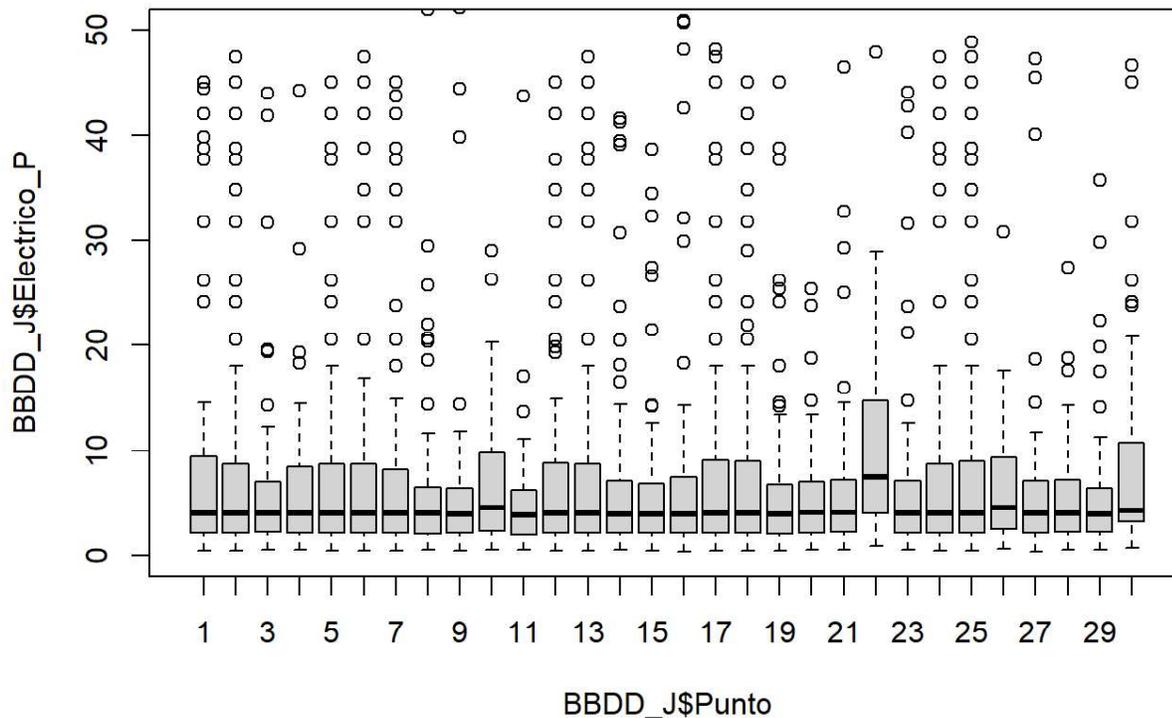
```
boxplot(BBDD_J$Electrico_P, electrico_radio, electrico_movil, ylim=c(0,50), vertical = TRUE,
        border = c("black"), col=c("white", "forestgreen", "orange"), names = c("General", "Radio",
        "Tel. Móvil"), main="Intensidad de Campo Eléctrico", ylab="mV/m")
abline(h=median(BBDD_J$Electrico_P), lwd=2, lty=3, col="darkblue")
abline(h=mean(BBDD_J$Electrico_P), lwd=2, lty=3, col="red")
```

Intensidad de Campo Eléctrico



Medianas por punto

```
boxplot(BBDD_J$Electrico_P ~ BBDD_J$Punto, ylim=c(0,50))
```



La mediana general en cada punto se calcula de la siguiente manera:

```
ice_median<-as.vector(tapply(BBDD_J[,16], BBDD_J[,1], median))
ice_median
```

```
## [1] 4.0075 4.0075 4.0640 4.0120 4.0075 4.0075 3.9945 4.0190 3.9295 4.5330
## [11] 3.8640 4.0075 4.0075 3.9255 3.9445 3.9705 4.0075 4.0075 3.9495 4.0875
## [21] 4.1080 7.4495 4.0475 4.0075 4.0135 4.5480 4.0250 4.0480 3.9260 4.2975
```

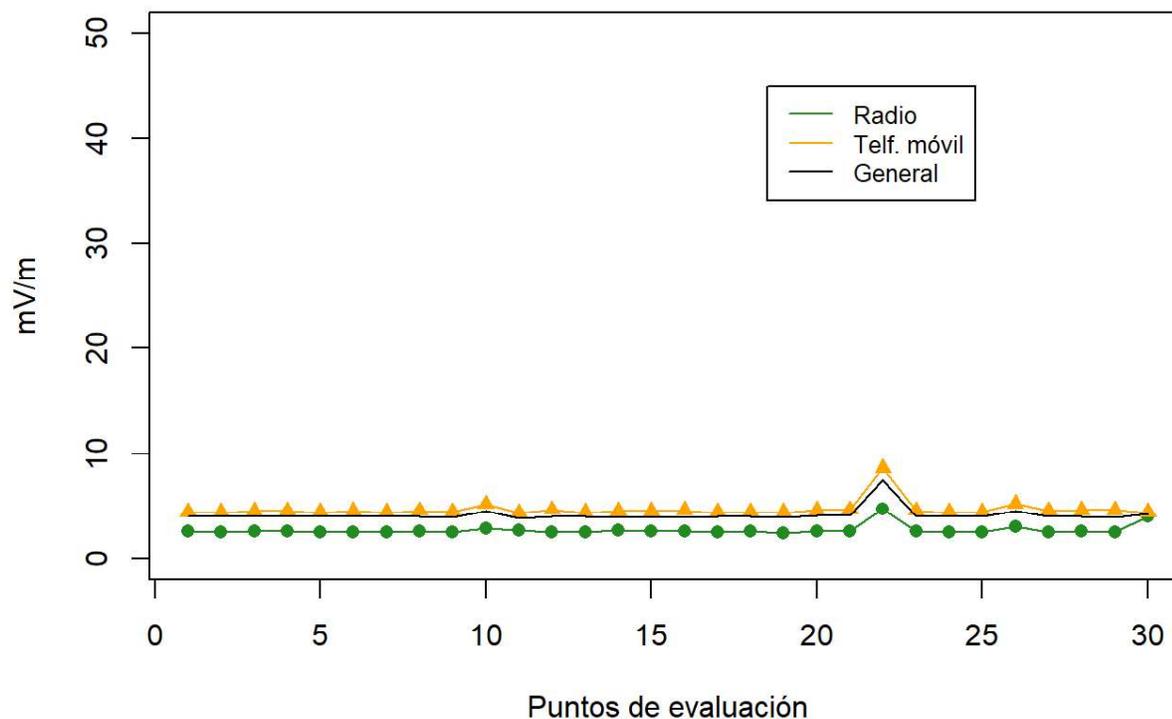
La mediana de acuerdo con el tipo de servicio en cada punto se calcula del siguiente modo:

```
med_ce<-tapply(BBDD_J[,16], BBDD_J[,1:2], median)

ce_med<-data.frame(med_ce)

plot(x_1, ce_med$Radio, ylim = c(0,50), "l", col="forestgreen", ylab = "mV/m", xlab = "Puntos
de evaluación", main = "Intensidad de Campo Electrico")
points(x_1, ce_med$Radio, pch=16, col="forestgreen")
lines(x_1, ce_med$Tel..Movil, "l", col="orange")
points(x_1, ce_med$Tel..Movil, pch=17, col="orange")
lines(x_1, ice_median)
legend(18.5,45, legend = c("Radio", "Telf. móvil", "General"), col = c("forestgreen", "orang
e", "black"), lty = 1, cex = .8, y.intersp = 1)
```

Intensidad de Campo Electrico



Porcentaje al ECA para la intensidad de campo electrico

```
median(BBDD_J$CEP_ECA)
```

```
## [1] 0.008389286
```

```
IQR(BBDD_J$CEP_ECA)
```

```
## [1] 0.01454734
```

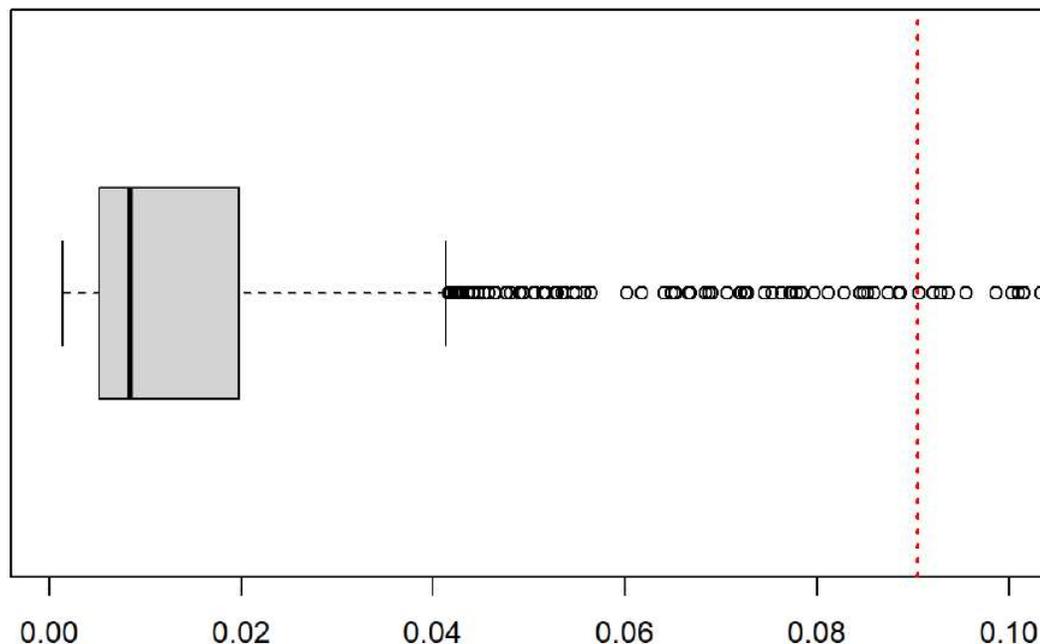
```
mean(BBDD_J$CEP_ECA)
```

```
## [1] 0.09042615
```

```
sd(BBDD_J$CEP_ECA)
```

```
## [1] 0.4241301
```

```
boxplot(BBDD_J$CEP_ECA, ylim=c(0,0.1), horizontal = TRUE)
abline(v=mean(BBDD_J$CEP_ECA), lwd=2, lty=3, col="red")
```



Mediana por servicio

```
tapply(BBDD_J[,19], BBDD_J[,2], median)
```

```
##      Radio Tel. Movil
## 0.009236778 0.008024590
```

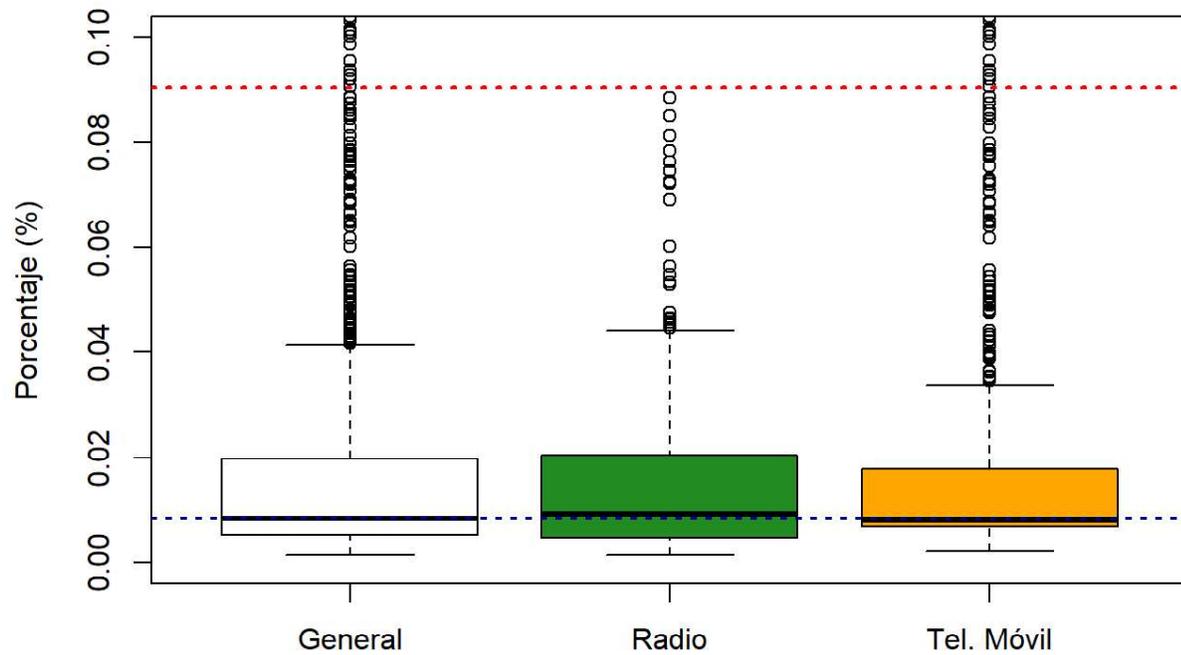
```
tapply(BBDD_J[,19], BBDD_J[,2], IQR)
```

```
##      Radio Tel. Movil
## 0.01596283 0.01092225
```

```
electrico_radio_P<-BBDD_J[BBDD_J$Servicio=="Radio", 19]
electrico_movil_P<- BBDD_J[BBDD_J$Servicio=="Tel. Movil", 19]
```

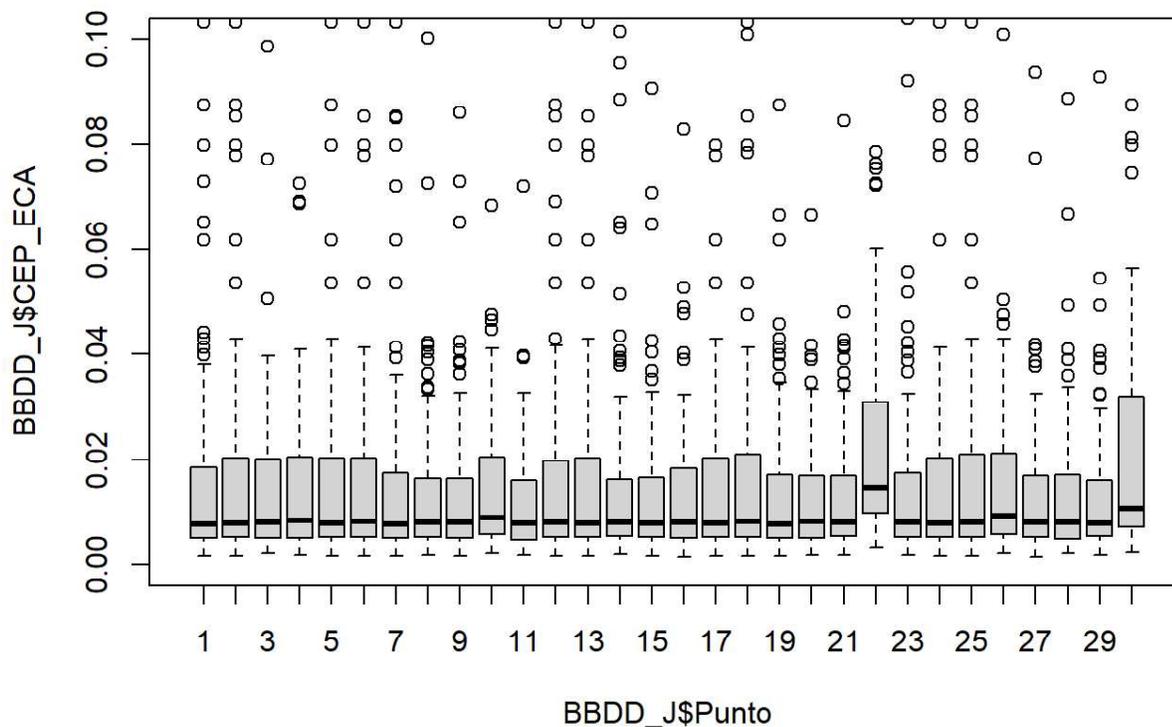
```
boxplot(BBDD_J$CEP_ECA, electrico_radio_P, electrico_movil_P, ylim=c(0,0.1), vertical = TRUE,
border = c("black"), col=c("white", "forestgreen", "orange"), names = c("General", "Radio",
"Tel. Móvil"), main="Porcentaje al ECA", ylab="Porcentaje (%)")
abline(h=median(BBDD_J$CEP_ECA), lwd=2, lty=3, col="darkblue")
abline(h=mean(BBDD_J$CEP_ECA), lwd=2, lty=3, col="red")
```

Porcentaje al ECA



Medianas por punto

```
boxplot(BBDD_J$CEP_ECA ~ BBDD_J$Punto, ylim=c(0,0.1))
```



La mediana general en cada punto se calcula de la siguiente manera:

```
ice_median_p<-as.vector(tapply(BBDD_J[,19], BBDD_J[,1], median))
ice_median_p
```

```
## [1] 0.007743443 0.007850820 0.007958197 0.008320492 0.007850820 0.008230328
## [7] 0.007743443 0.007990164 0.007970492 0.008977869 0.007789344 0.008045926
## [13] 0.007850820 0.008048916 0.007847541 0.008104918 0.007850820 0.008284419
## [19] 0.007743443 0.008230328 0.008106557 0.014598251 0.007997541 0.007850820
## [25] 0.008011500 0.009369121 0.007974590 0.008013115 0.007874590 0.010781736
```

La mediana de acuerdo con el tipo de servicio en cada punto se calcula del siguiente modo:

```
med_ce<-tapply(BBDD_J[,19], BBDD_J[,1:2], median)

ce_med_p<-data.frame(med_ce)

plot(x_1, ce_med_p$Radio, ylim = c(0,0.1), "l", col="forestgreen", ylab = "Porcentaje (%)", x
lab = "Puntos de evaluación", main = "Porcentaje al ECA")
points(x_1, ce_med_p$Radio, pch=16, col="forestgreen")
lines(x_1, ce_med_p$Tel..Movil, "l", col="orange")
points(x_1, ce_med_p$Tel..Movil, pch=17, col="orange")
#lines(x_1, ice_median_p)
legend(18.5, 0.1, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty =
1, cex = .8, y.intersp = 1)
```

Porcentaje al ECA

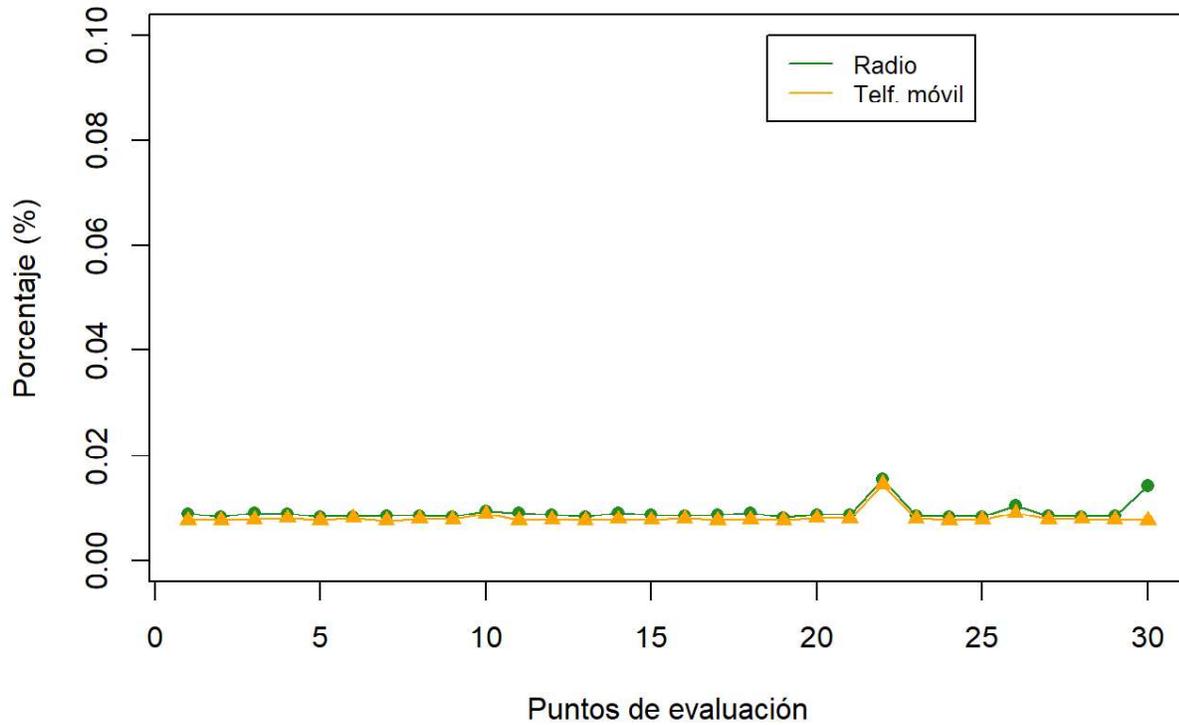


Gráfico de la intensidad del campo electrico y su porcentaje respecto al ECA

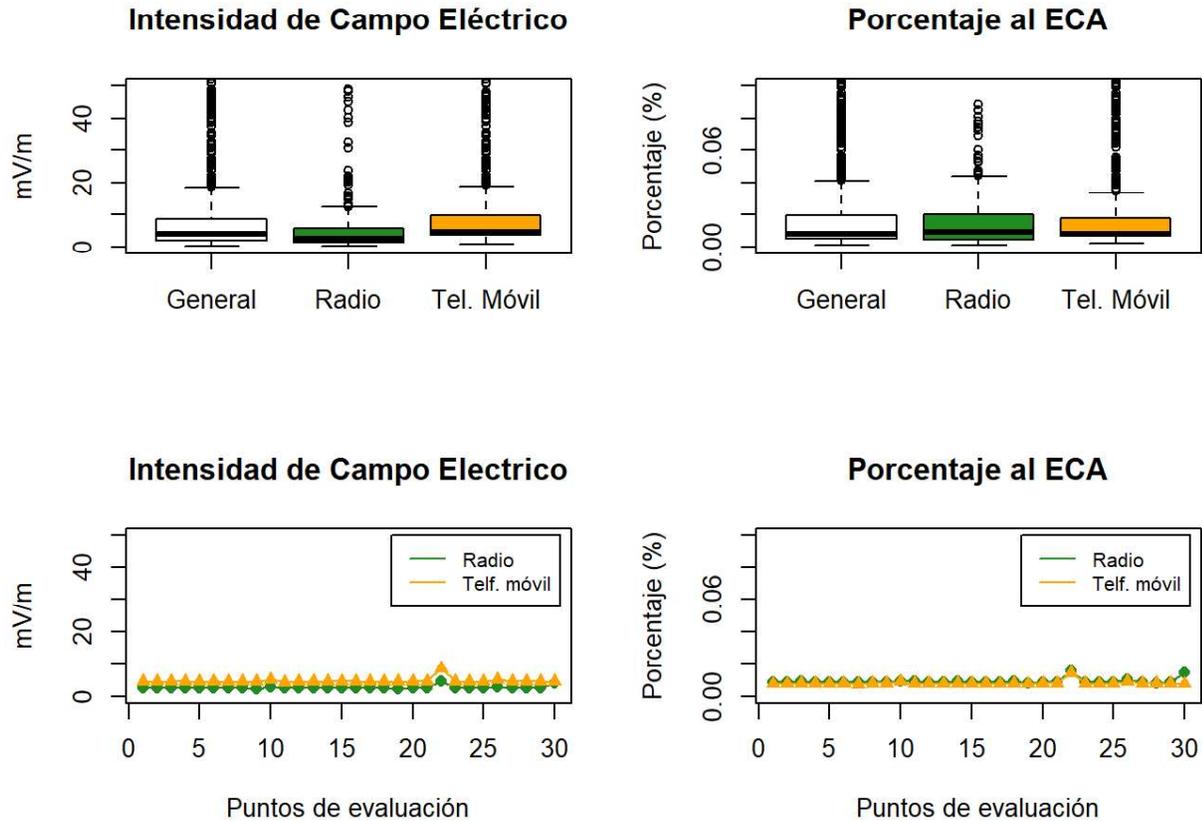
```
par(mfrow=c(2, 2))

boxplot(BBDD_J$Electrico_P, electrico_radio, electrico_movil, ylim=c(0,50), vertical = TRUE,
  border = c("black"), col=c("white", "forestgreen", "orange"), names = c("General", "Radio",
  "Tel. Móvil"), main="Intensidad de Campo Eléctrico", ylab="mV/m")
#abline(h=median(BBDD_J$Electrico_P), lwd=2, lty=3, col="darkblue")
#abline(h=mean(BBDD_J$Electrico_P), lwd=2, lty=3, col="red")

boxplot(BBDD_J$CEP_ECA, electrico_radio_P, electrico_movil_P, ylim=c(0,0.1), vertical = TRUE,
  border = c("black"), col=c("white", "forestgreen", "orange"), names = c("General", "Radio",
  "Tel. Móvil"), main="Porcentaje al ECA", ylab="Porcentaje (%)")
#abline(h=median(BBDD_J$CEP_ECA), lwd=2, lty=3, col="darkblue")
#abline(h=mean(BBDD_J$CEP_ECA), lwd=2, lty=3, col="red")

plot(x_1, ce_med$Radio, ylim = c(0,50), "l", col="forestgreen", ylab = "mV/m", xlab = "Puntos
de evaluación", main = "Intensidad de Campo Electrico")
points(x_1, ce_med$Radio, pch=16, col="forestgreen")
lines(x_1, ce_med$Tel..Movil, "l", col="orange")
points(x_1, ce_med$Tel..Movil, pch=17, col="orange")
#lines(x_1, ice_median)
legend(18.5,50, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty = 1
, cex = .8, y.intersp = 1)

plot(x_1, ce_med_p$Radio, ylim = c(0,0.1), "l", col="forestgreen", ylab = "Porcentaje (%)", x
lab = "Puntos de evaluación", main = "Porcentaje al ECA")
points(x_1, ce_med_p$Radio, pch=16, col="forestgreen")
lines(x_1, ce_med_p$Tel..Movil, "l", col="orange")
points(x_1, ce_med_p$Tel..Movil, pch=17, col="orange")
#lines(x_1, ice_median_p)
legend(18.5, 0.1, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty =
1, cex = .8, y.intersp = 1)
```



Intensidad de campo electrico acumulado

Mediana general

```
CE_sum <- tapply(BBDD_J[,16], BBDD_J[,1], sum)
n_4 <- as.vector(CE_sum)
median(n_4)
```

```
## [1] 3899.741
```

```
IQR(n_4)
```

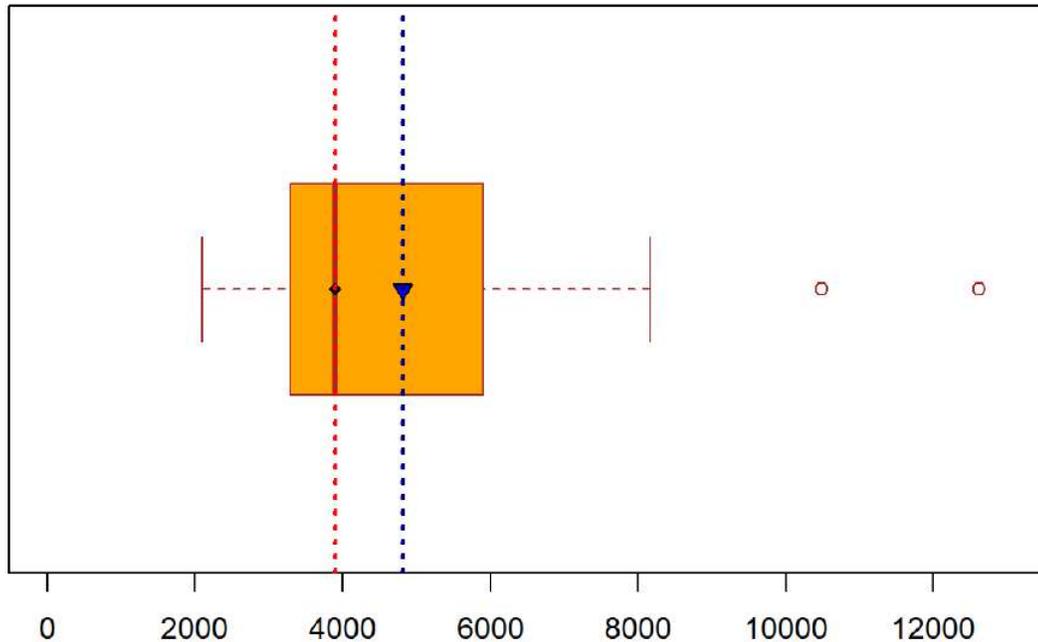
```
## [1] 2527.515
```

```
boxplot(n_4, ylim=c(0,13000), col = "orange", border = "brown", horizontal = T)
```

#Si se desea ver la ubicación de La media, se genera Lo siguiente:

```
points(mean(n_4), 1, pch=25, bg="blue")
abline(v=mean(n_4), lwd=2, lty=3, col="darkblue")
```

```
points(median(n_4), 1, pch=18, bg="red")
abline(v=median(n_4), lwd=2, lty=3, col="red")
```



Mediana por servicio

```
# Intensidad de campo electrico promedio acumulado por punto
```

```
sum_CE_S <- tapply(BBDD_J[,16], BBDD_J[,1:2], sum)
```

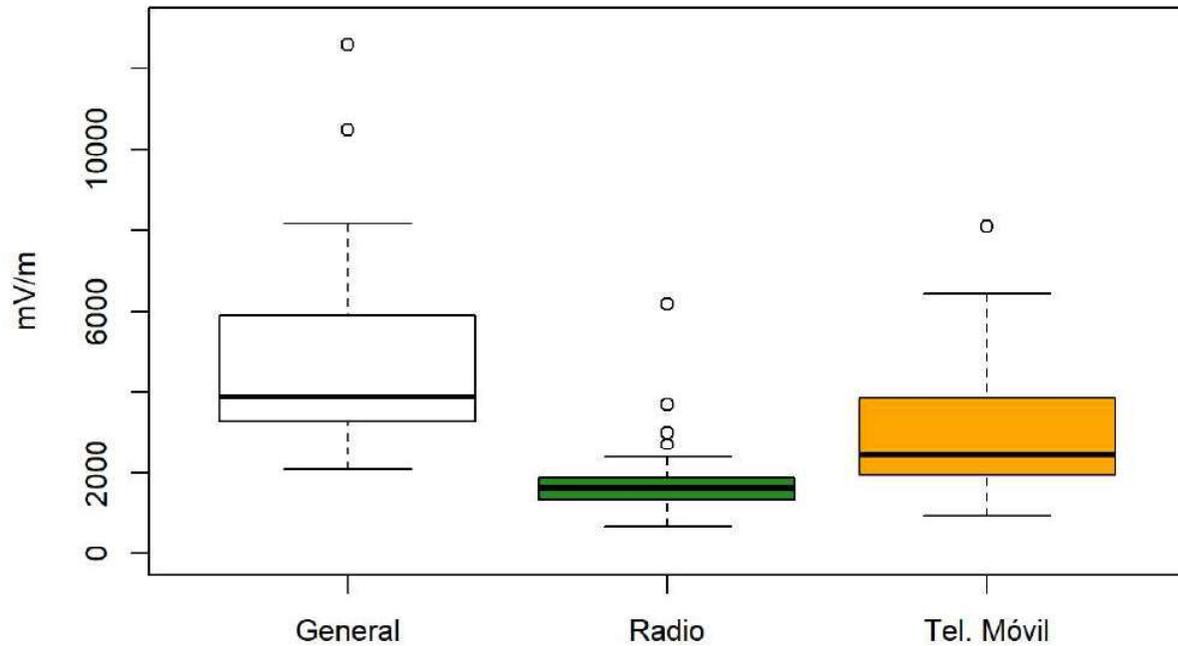
```
summary(sum_CE_S)
```

```
##      Radio      Tel. Movil
## Min.   : 709.2   Min.    : 947.5
## 1st Qu.:1358.0  1st Qu.:1959.9
## Median :1633.3  Median :2445.6
## Mean   :1823.7  Mean    :2989.6
## 3rd Qu.:1841.4  3rd Qu.:3803.8
## Max.   :6175.3  Max.    :8093.6
```

```
#Se genera uan nueva dataframe
```

```
CE_S<-data.frame(sum_CE_S, n_4)
boxplot(CE_S$n_4, CE_S$Radio, CE_S$Tel..Movil, ylim=c(0,13000), names = c("General", "Radio",
"Tel. Móvil"), col = c("white", "forestgreen", "orange"), ylab="mV/m", main="Intensidad de Ca
mpo Eléctrico")
```

Intensidad de Campo Eléctrico



```
median(CE_S$Radio)
```

```
## [1] 1633.269
```

```
IQR(CE_S$Radio)
```

```
## [1] 483.3575
```

```
median(CE_S$Tel..Movil)
```

```
## [1] 2445.642
```

```
IQR(CE_S$Tel..Movil)
```

```
## [1] 1843.951
```

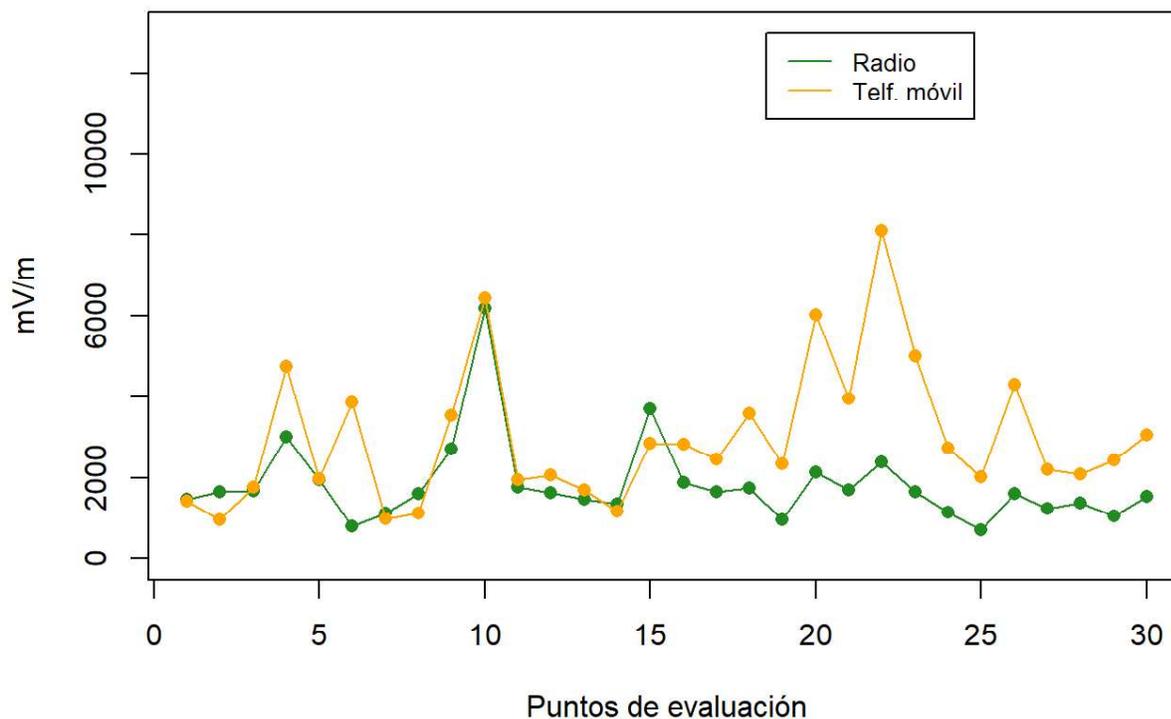
Acumulado por punto

```
head(CE_S)
```

```
##      Radio Tel..Movil      n_4
## 1 1468.5603    1420.732 2889.292
## 2 1643.1824     947.549 2590.731
## 3 1671.2203    1760.688 3431.908
## 4 3018.2344    4746.207 7764.441
## 5 1943.1824    1981.399 3924.581
## 6  782.2224    3872.823 4655.045
```

```
plot(x_1, CE_S$Radio, "l", col="forestgreen", ylab = "mV/m", main = "Intensidad de Campo Eléctrico", xlab = "Puntos de evaluación", ylim = c(0,13000))
points(x_1, CE_S$Radio, pch=16, col="forestgreen")
lines(x_1, CE_S$Tel..Movil, "l", col="orange")
points(x_1, CE_S$Tel..Movil, pch=16, col="orange")
legend(18.5,13000, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty = 1, cex = .8, y.intersp = 1)
```

Intensidad de Campo Eléctrico



Porcentaje respecto al ECA acumulado

Mediana general

```
CE_sum_por<-tapply(BBDD_J[,19], BBDD_J[,1], sum)
n_5<-as.vector(CE_sum_por)

median(n_5)
```

```
## [1] 10.21869
```

```
IQR(n_5)
```

```
## [1] 5.598976
```

Mediana por servicio

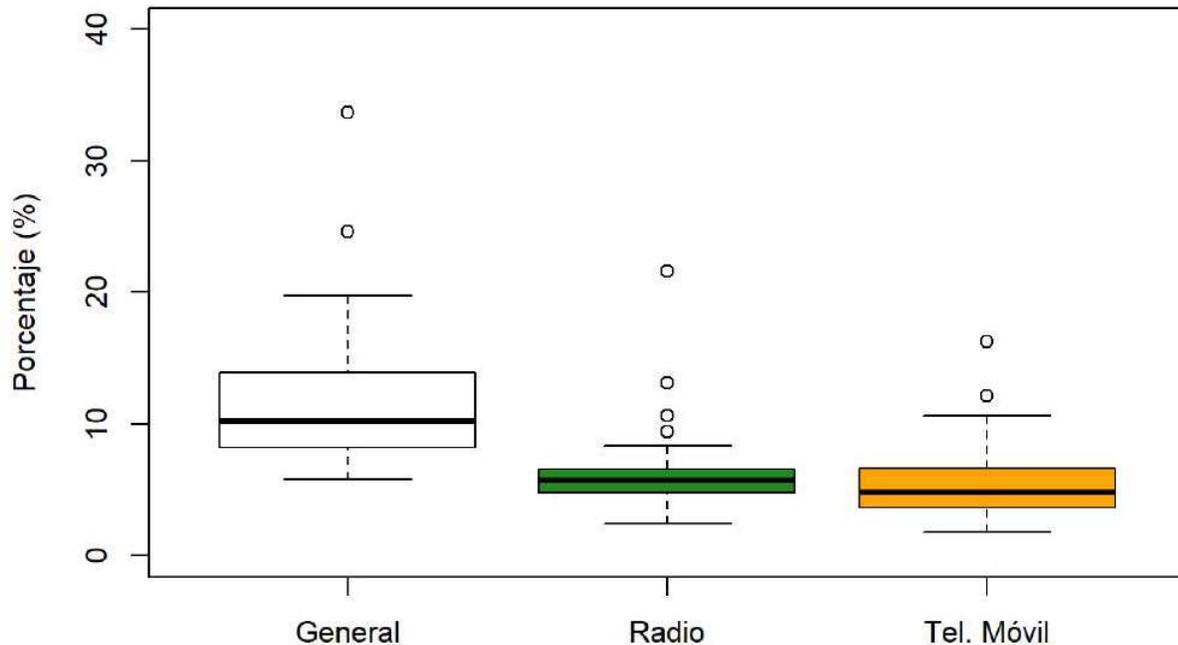
```
# Intensidad de campo electrico promedio acumulado por punto
```

```
sum_CE_P <- tapply(BBDD_J[,19], BBDD_J[,1:2], sum)
```

```
CE_P<-data.frame(sum_CE_P, n_5)
```

```
boxplot(CE_P$n_5, CE_P$Radio, CE_P$Tel..Movil, ylim=c(0,40), names = c("General", "Radio", "Tel. Móvil"), col = c("white", "forestgreen", "orange"), ylab="Porcentaje (%)", main="Porcentaje al ECA")
```

Porcentaje al ECA



```
median(CE_P$Radio)
```

```
## [1] 5.720444
```

```
IQR(CE_P$Radio)
```

```
## [1] 1.72676
```

```
median(CE_P$Tel..Movil)
```

[1] 4.77333

IQR(CE_P\$Tel..Movil)

[1] 2.917128

Acumulados por punto

```

plot(x_1, CE_P$Radio, "l", col="forestgreen", ylab = "Porcentaje (%)", main = "Porcentaje al
ECA", xlab = "Puntos de evaluación", ylim = c(0,40))
points(x_1, CE_P$Radio, pch=16, col="forestgreen")
lines(x_1, CE_P$Tel..Movil, "l", col="orange")
points(x_1, CE_P$Tel..Movil, pch=16, col="orange")
legend(18.5, 40, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty =
1, cex = .8, y.intersp = 1)

```

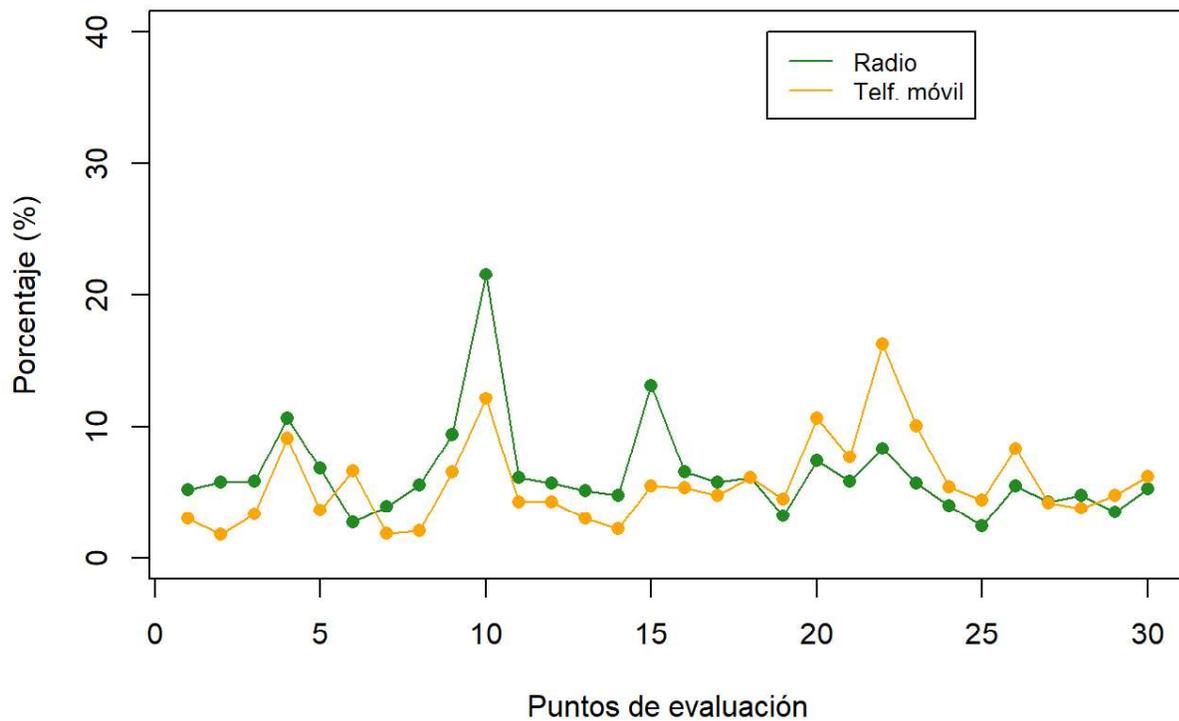
Porcentaje al ECA

Gráfico de la intensidad de campo electrico acumulado y su porcentaje al ECA

```

par(mfrow=c(2,2))

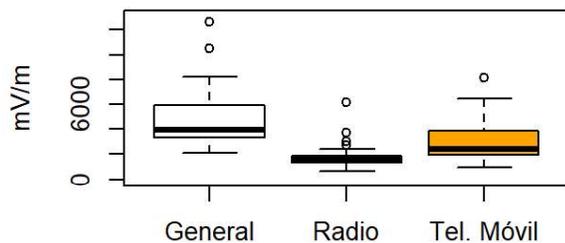
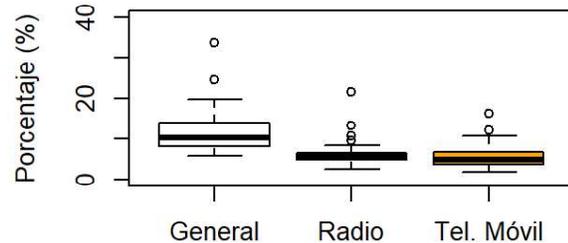
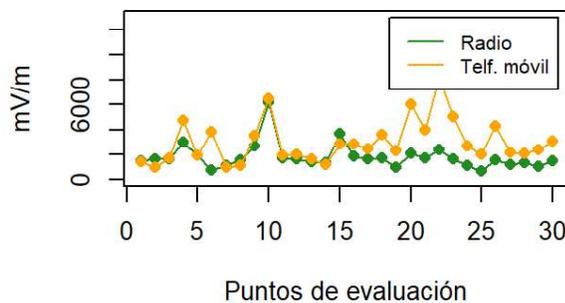
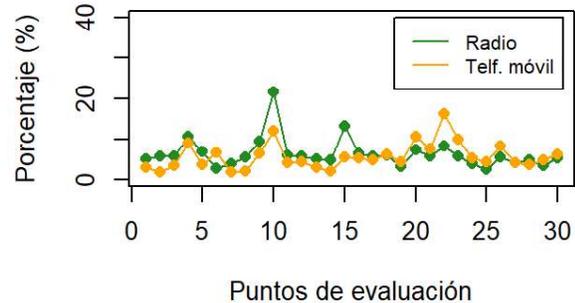
boxplot(CE_S$n_4, CE_S$Radio, CE_S$Tel..Movil, ylim=c(0,13000), names = c("General", "Radio",
"Tel. Móvil"), col = c("white", "forestgreen", "orange"), ylab="mV/m", main="Intensidad de Ca
mpo Eléctrico")

boxplot(CE_P$n_5, CE_P$Radio, CE_P$Tel..Movil, ylim=c(0,40), names = c("General", "Radio", "T
el. Móvil"), col = c("white", "forestgreen", "orange"), ylab="Porcentaje (%)", main="Porcenta
je al ECA")

plot(x_1, CE_S$Radio, "l", col="forestgreen", ylab = "mV/m", main = "Intensidad de Campo Eléc
trico", xlab = "Puntos de evaluación", ylim = c(0,13000))
points(x_1, CE_S$Radio, pch=16, col="forestgreen")
lines(x_1, CE_S$Tel..Movil, "l", col="orange")
points(x_1, CE_S$Tel..Movil, pch=16, col="orange")
legend(18.5,13000, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty
= 1, cex = .8, y.intersp = 1)

plot(x_1, CE_P$Radio, "l", col="forestgreen", ylab = "Porcentaje (%)", main = "Porcentaje al
ECA", xlab = "Puntos de evaluación", ylim = c(0,40))
points(x_1, CE_P$Radio, pch=16, col="forestgreen")
lines(x_1, CE_P$Tel..Movil, "l", col="orange")
points(x_1, CE_P$Tel..Movil, pch=16, col="orange")
legend(18.5, 40, legend = c("Radio", "Telf. móvil"), col = c("forestgreen", "orange"), lty =
1, cex = .8, y.intersp = 1)

```

Intensidad de Campo Eléctrico**Porcentaje al ECA****Intensidad de Campo Eléctrico****Porcentaje al ECA**

Anexo 3: Planos de ubicación de estaciones de monitoreo y modelamiento de resultados