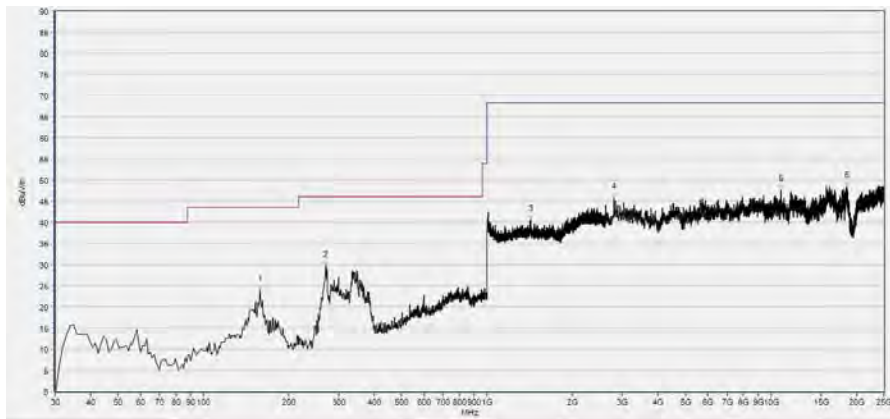
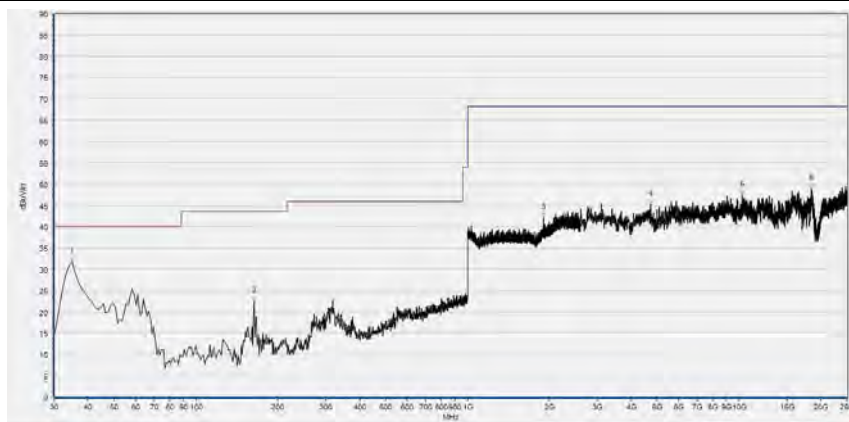


Plots for Channel = 54



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
158.168	23.96	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
269.830	29.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1421.474	40.46	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
2797.159	45.71	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
10844.849	47.76	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
18507.181	48.33	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

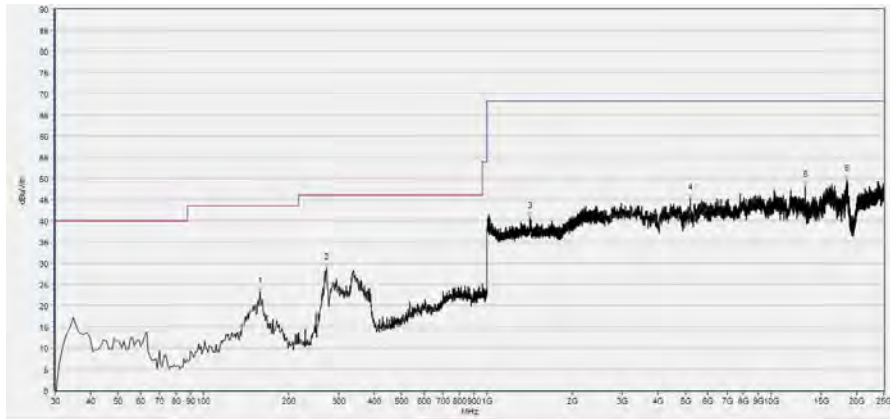
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	31.80	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
163.994	22.40	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1901.634	42.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4714.983	45.30	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
10266.813	47.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18516.143	48.99	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

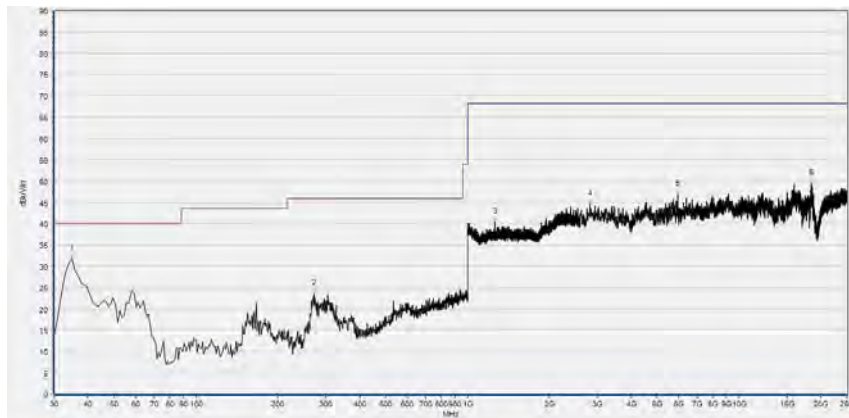
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 62



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
158.168	23.15	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
270.801	28.72	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1417.206	40.94	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
5185.477	45.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13174.915	48.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18489.258	49.68	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	31.87	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
272.743	23.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1259.820	40.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
2819.564	44.64	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
5942.749	46.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18413.083	49.49	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

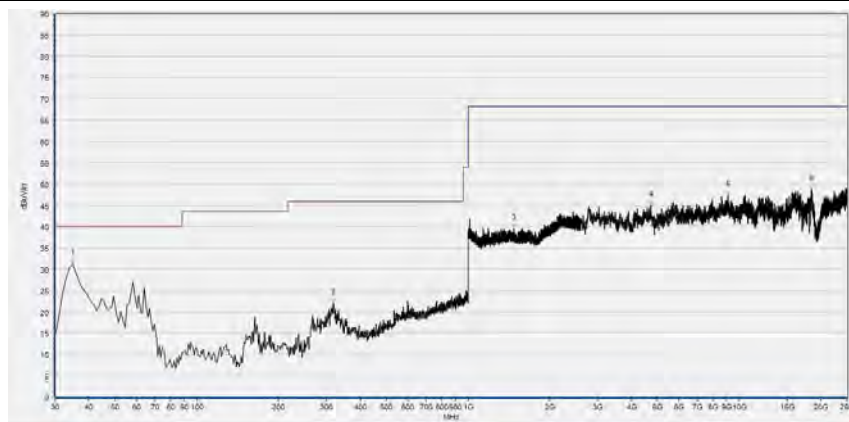
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 102



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
162.052	28.64	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
532.963	30.18	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1411.337	40.15	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
3249.730	45.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7932.266	46.68	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18516.143	49.21	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

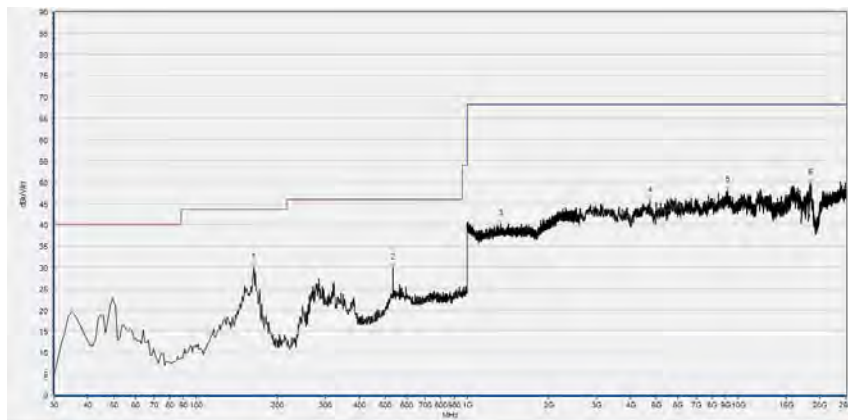
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	31.25	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
318.378	22.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1472.157	39.53	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
4719.464	45.11	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
9110.742	47.51	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
18431.006	48.72	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

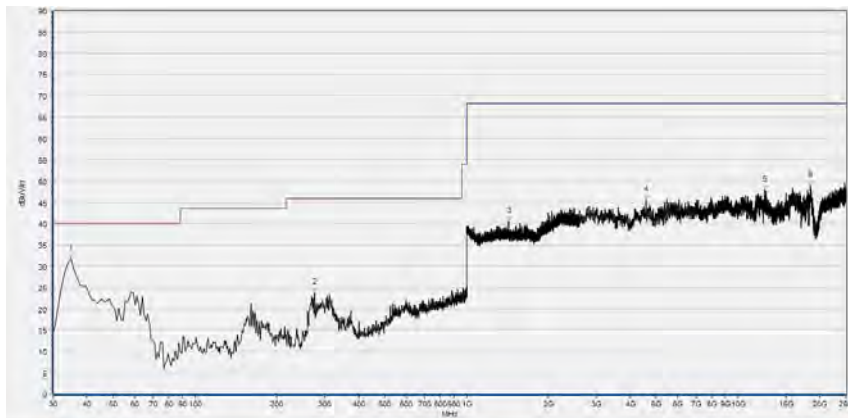
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 126



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
163.994	30.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
532.963	29.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1335.045	40.20	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
4719.464	45.65	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
9146.589	48.03	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
18489.258	49.79	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

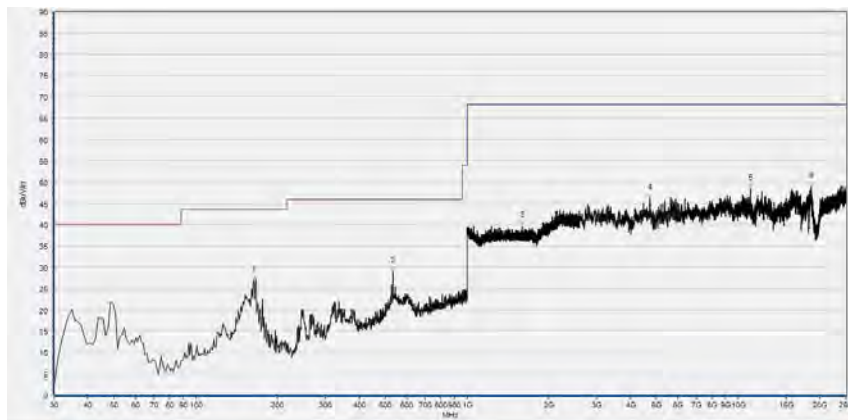
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	31.87	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
275.656	23.88	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1427.876	40.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4589.518	45.57	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
12538.628	47.86	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
18422.044	48.97	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

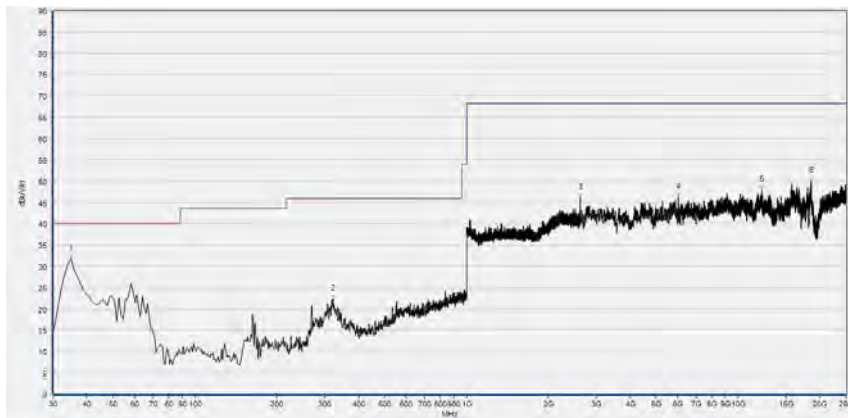
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 142



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
163.994	27.07	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
532.963	29.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1597.533	39.74	N/A	N/A	74.00	43.50	N/A	Horizontal	PASS
4732.907	46.19	N/A	N/A	74.00	46.00	N/A	Horizontal	PASS
11073.375	48.43	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
18578.876	48.97	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

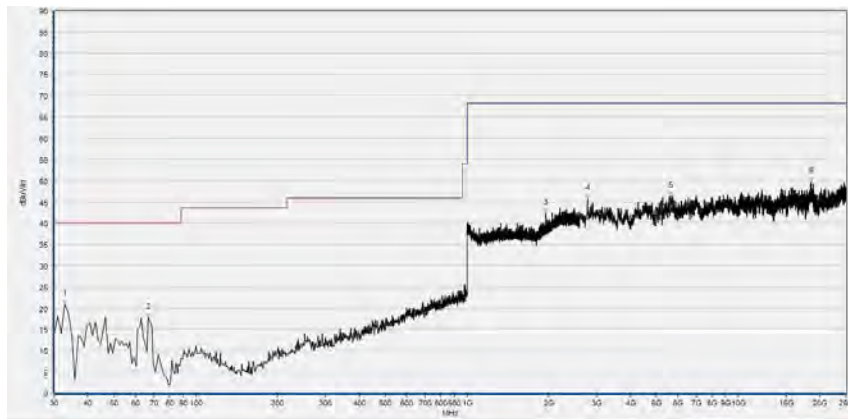
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	31.78	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
322.262	22.35	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2617.924	46.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6023.405	46.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12224.965	47.86	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
18547.510	49.92	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

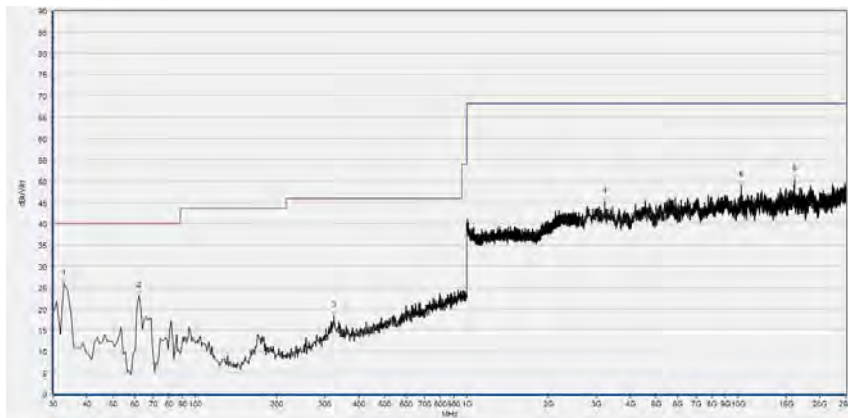
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 151



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.913	20.88	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
66.897	17.74	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1953.384	42.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
2783.717	45.81	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
5629.086	46.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18596.799	49.78	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.913	25.94	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
62.042	23.16	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
325.175	18.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3231.806	45.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10284.737	48.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16114.383	50.50	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

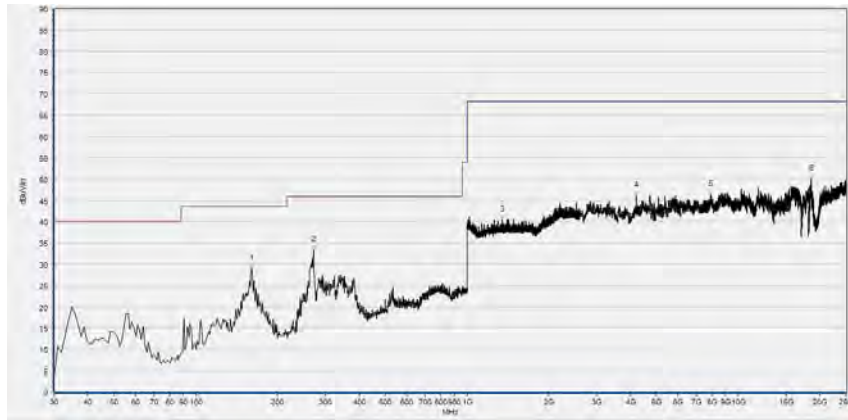


The graph displays the cell count of *Escherichia coli* strain 1222 over a 240-minute period. The y-axis, labeled 'cell count', ranges from 0 to 90 in increments of 5. The x-axis, labeled 'time, min', ranges from 0 to 240 in increments of 20. The data is represented by a black line with markers. The cell count starts at approximately 15 at 0 minutes, fluctuates between 10 and 20 until 10 minutes, then jumps to approximately 65. It remains at this level until 100 minutes, where it jumps to approximately 75. From 100 to 240 minutes, the cell count fluctuates between 40 and 60. The data is labeled with numbers 1 through 6, indicating different stages or conditions.

Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
62.042	18.04	28.32	N/A	N/A	40.00	N/A	Horizontal	PASS
105.736	11.55	27.05	N/A	N/A	43.50	N/A	Horizontal	PASS
3061.532	38.89	29.30	N/A	68.23	N/A	N/A	Horizontal	PASS
8151.830	42.71	47.18	N/A	74.00	N/A	N/A	Horizontal	PASS
18027.726	44.11	45.56	N/A	74.00	N/A	N/A	Horizontal	PASS
12717.864	46.04	46.78	N/A	68.23	N/A	N/A	Horizontal	PASS

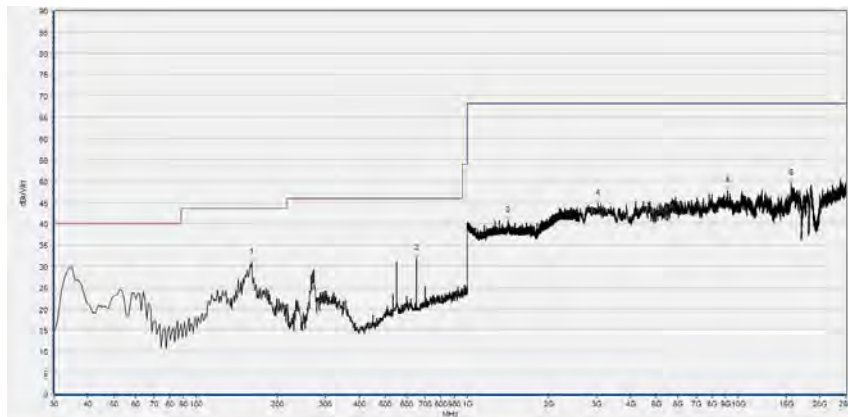
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
33.884	26.07	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
63.013	22.75	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
322.262	19.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5723.185	47.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11772.394	47.78	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
16808.922	49.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

**802.11ac (VHT20) Test mode****Plots for Channel = 36**

Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
161.081	29.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
271.772	33.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1347.316	40.34	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
4208.642	46.08	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
7923.305	46.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18569.914	49.92	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

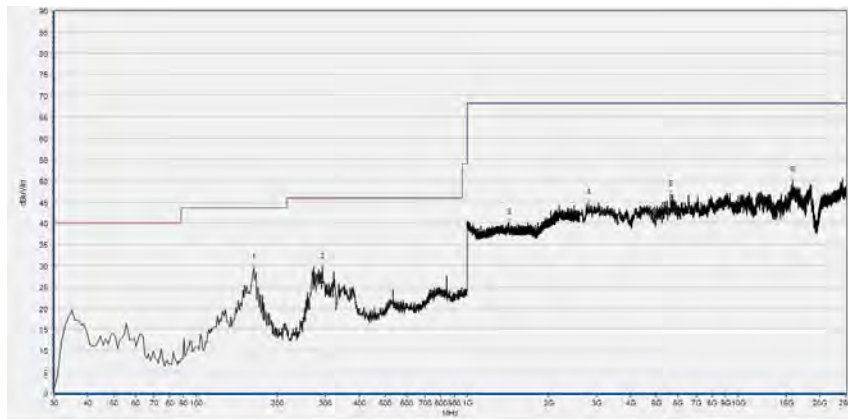
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
161.081	30.92	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
650.450	31.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1416.672	40.76	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
3043.609	44.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9124.185	47.70	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
15666.293	49.41	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 44



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
163.994	29.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
293.133	29.72	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1420.407	40.13	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
2797.159	44.68	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
5633.567	46.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
15827.606	49.98	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

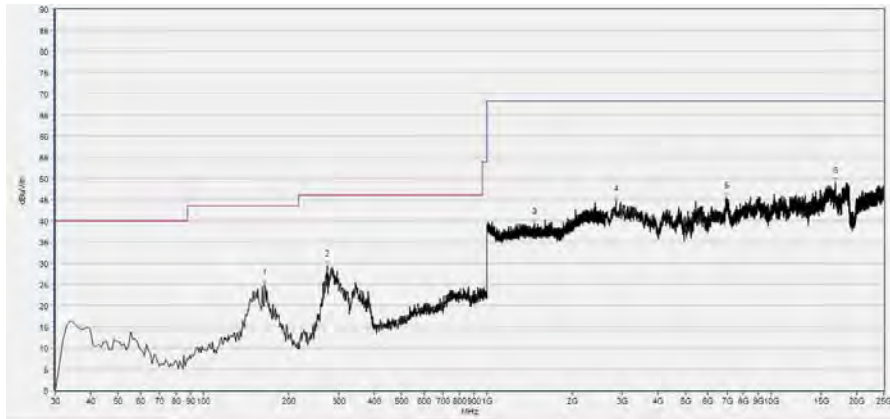
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	30.08	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
163.994	31.13	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1489.763	40.43	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
4719.464	45.55	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
9142.108	47.51	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
18507.181	49.57	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 48



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
163.994	25.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
272.743	29.39	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1465.755	39.50	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
2841.968	44.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6995.759	45.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
16889.578	49.11	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

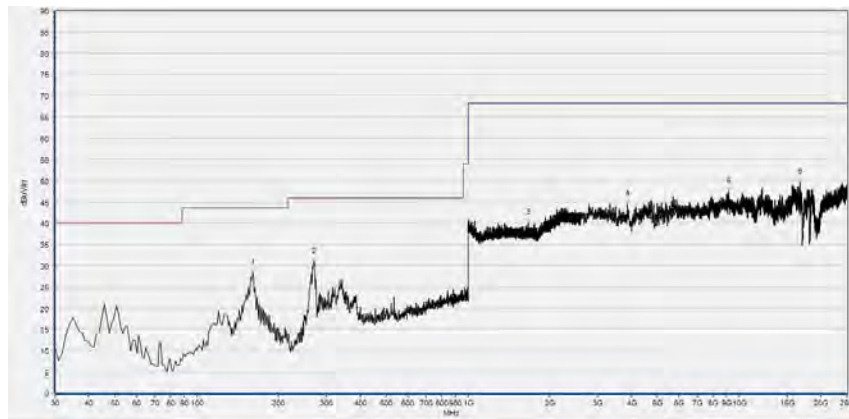
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	28.81	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
163.994	30.50	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1419.340	40.19	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
3290.058	44.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10428.126	47.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
24072.454	49.76	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 52



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
161.081	28.26	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
269.830	30.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1664.755	40.11	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
3863.613	44.42	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
9142.108	47.47	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
16750.670	49.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

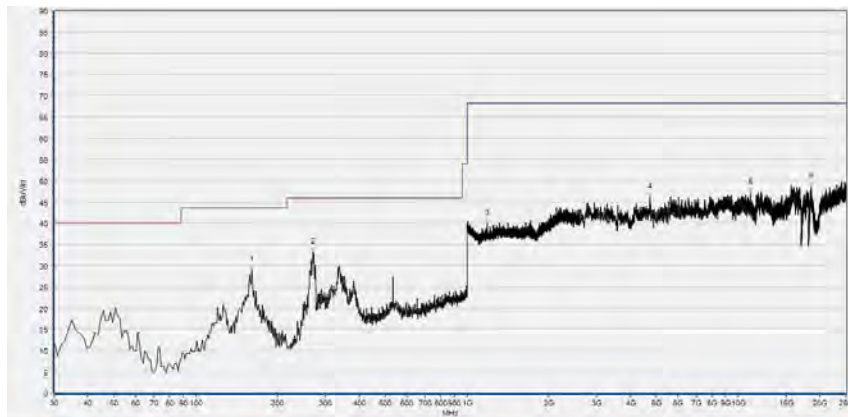
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	30.66	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
161.081	30.01	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1333.444	40.00	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
3460.332	45.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6216.083	45.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
15854.491	48.63	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

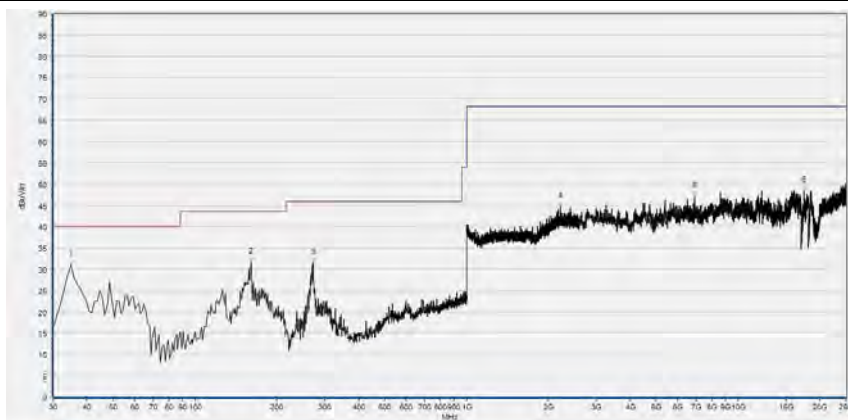
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 60



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
161.081	28.93	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
269.830	33.24	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1189.396	39.91	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
4732.907	46.14	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
11100.260	47.18	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
18587.838	48.63	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

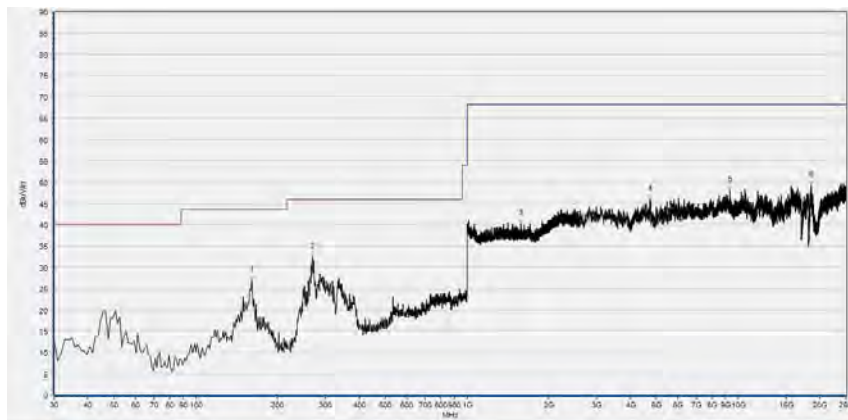
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	31.00	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
161.081	31.60	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
271.772	31.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2213.204	44.74	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
6924.065	47.16	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
17463.133	48.47	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

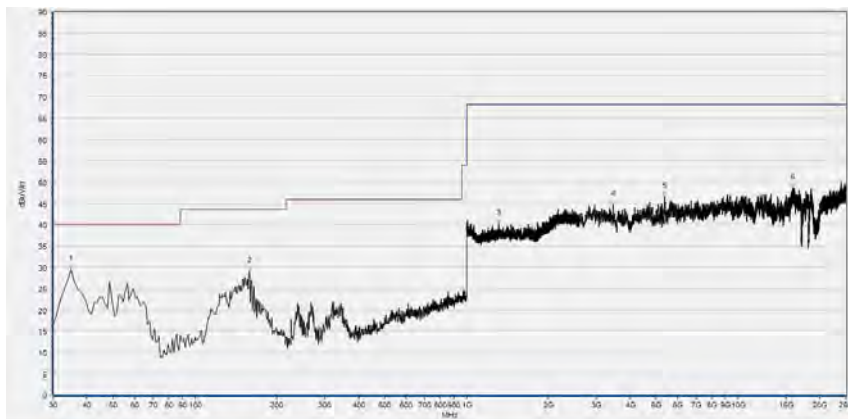
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 64



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
161.081	27.01	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
268.859	32.34	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1575.125	40.30	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
4728.426	45.93	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
9330.306	48.14	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
18560.952	49.26	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

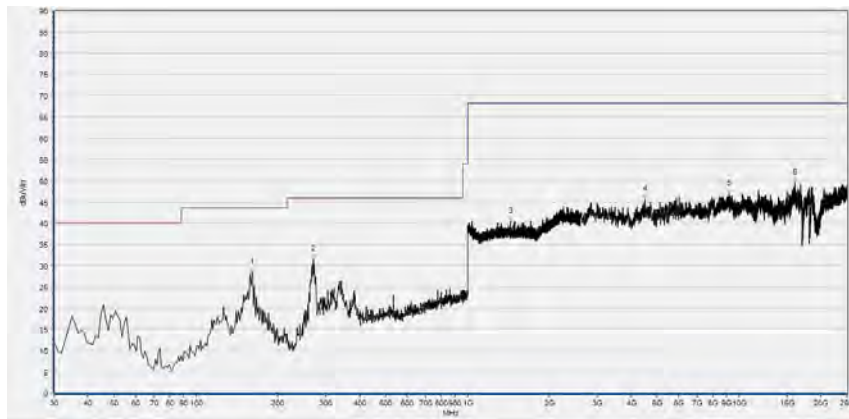
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	29.42	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
159.139	28.92	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1313.705	40.25	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
3473.775	44.80	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5369.194	46.56	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
15912.743	48.64	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

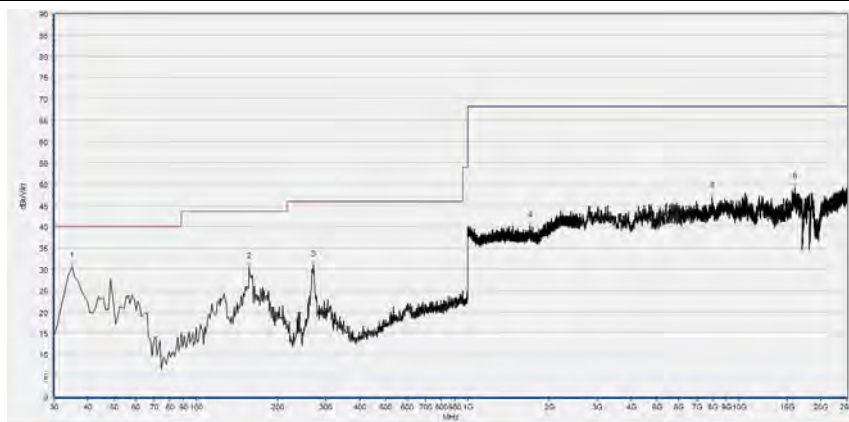
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 100



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
161.081	28.51	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
269.830	31.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1436.412	40.31	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
4513.343	45.50	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
9218.284	46.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
16029.246	49.43	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

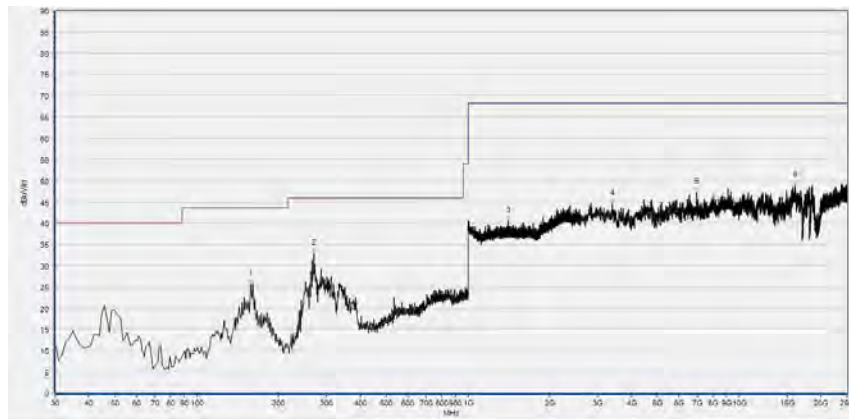
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	30.68	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
157.197	30.53	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
269.830	31.02	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1692.497	40.17	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
7932.266	47.14	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16015.803	49.26	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

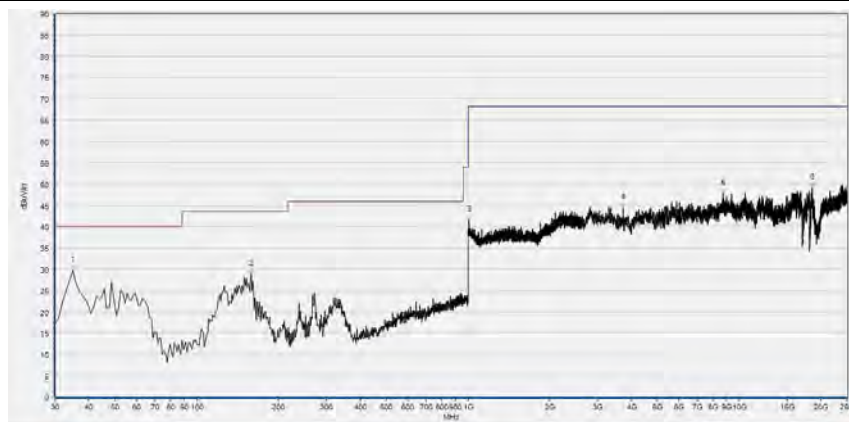
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 120



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
158.168	25.61	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
269.830	32.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1407.069	40.52	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
3397.600	44.50	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6946.469	47.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
16091.978	48.92	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

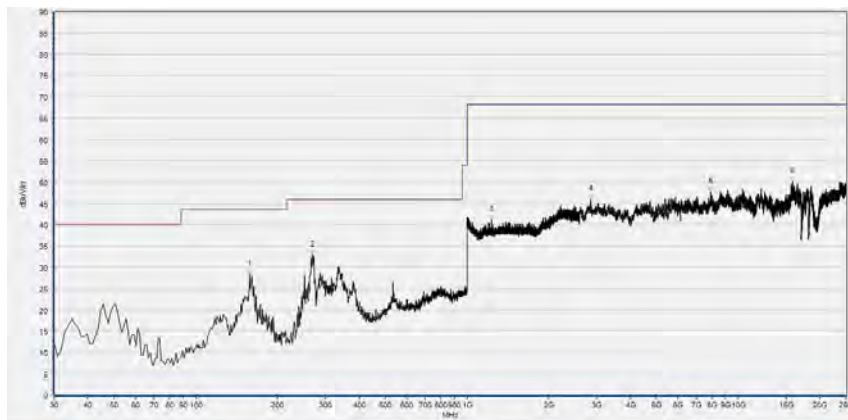


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	29.68	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
159.139	28.78	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1006.402	41.53	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
3729.186	44.44	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
8720.904	47.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18601.280	49.03	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

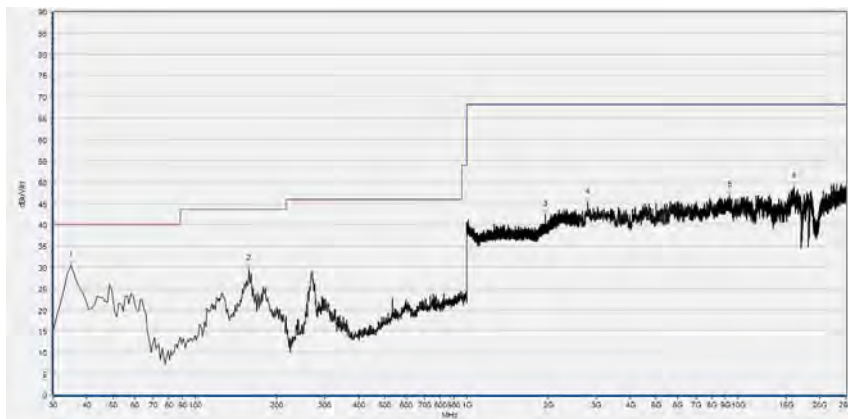


Plot for Channel = 144



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
158.168	28.37	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
268.859	32.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1233.678	41.03	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
2850.930	45.98	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
7927.786	47.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
15845.529	50.04	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

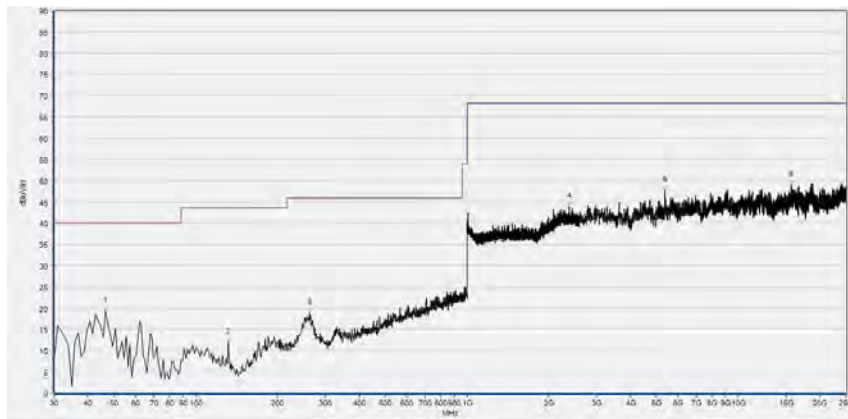
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	30.53	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
158.168	29.71	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1956.052	42.49	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
2792.679	45.31	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
9330.306	46.96	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
16038.208	48.99	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

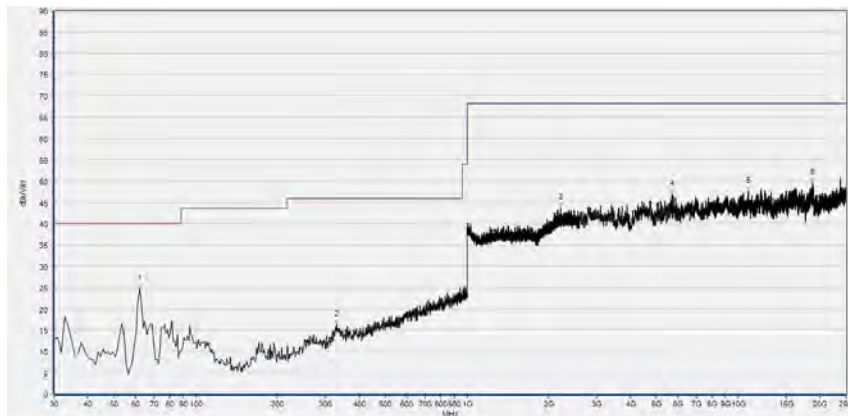
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 149



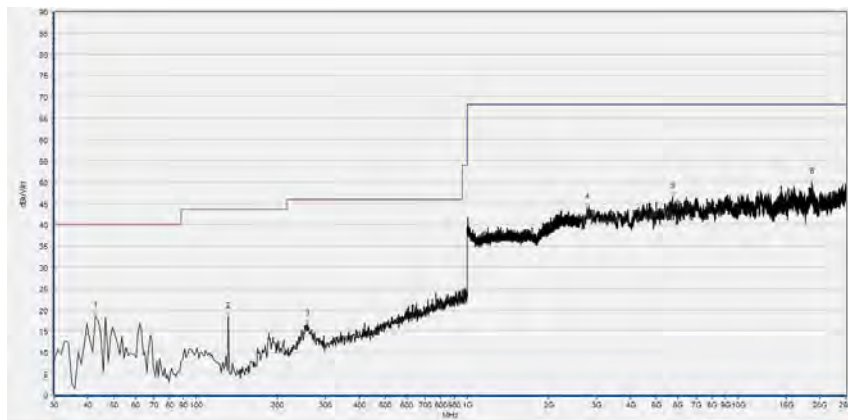
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
46.507	19.22	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
131.952	11.86	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
262.062	18.84	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2383.394	43.89	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
5355.751	47.71	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
15666.293	48.98	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)



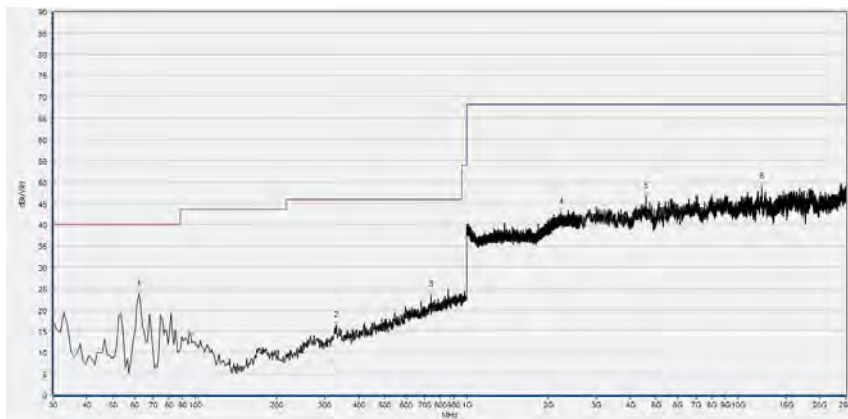
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
62.042	24.85	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
331.001	16.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2217.472	43.73	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
5705.261	47.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10916.543	47.64	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
18852.210	49.64	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 157

Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
42.623	18.60	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
131.952	18.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
257.207	16.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2765.793	44.08	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
5723.185	46.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18744.669	49.90	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

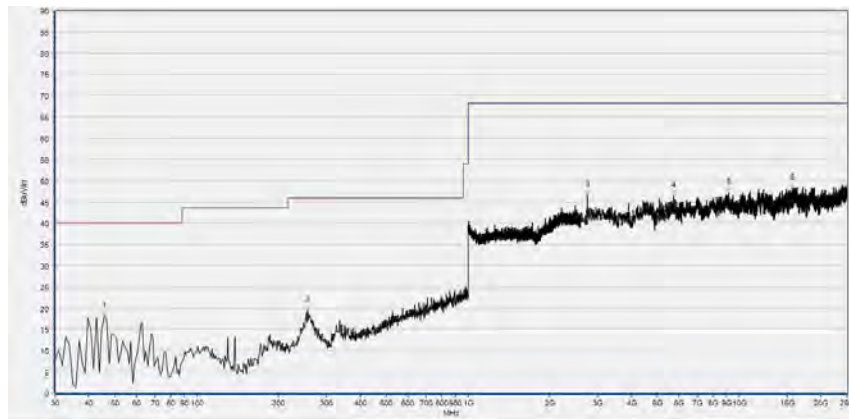
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
62.042	23.56	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
330.030	16.18	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
737.838	23.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2234.545	42.92	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
4571.594	46.51	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
12242.889	48.73	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

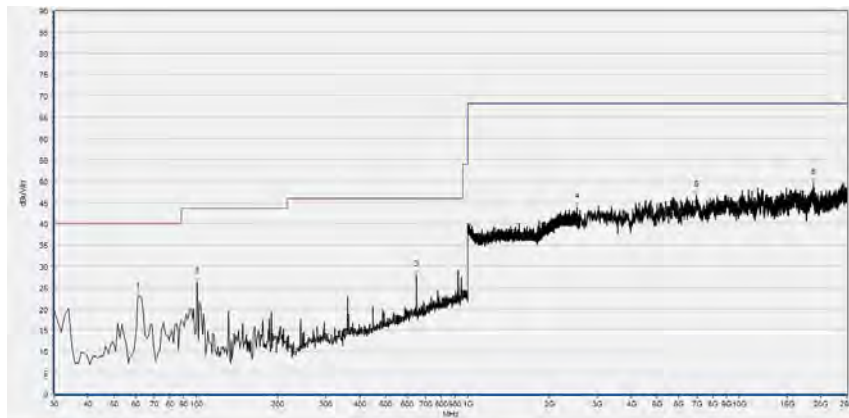
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 165



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
45.536	18.05	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
256.236	19.39	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2756.831	46.52	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
5732.146	46.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9137.628	47.13	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
15666.293	48.31	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

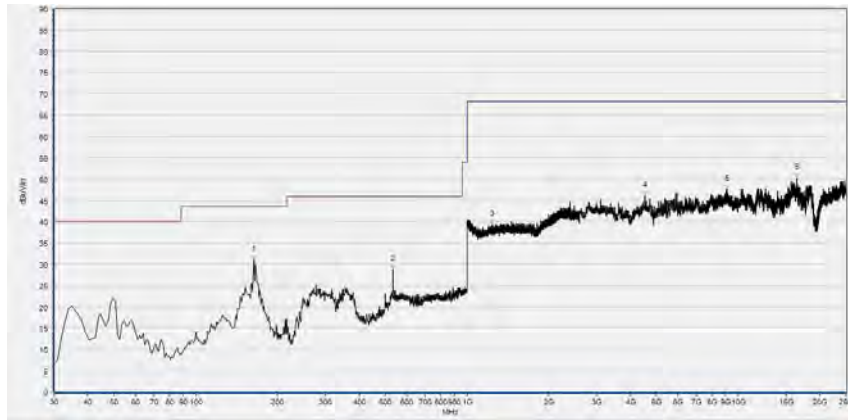


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
61.071	22.74	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
100.881	26.31	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
647.538	28.00	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2533.845	43.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
6982.316	46.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18749.150	49.62	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

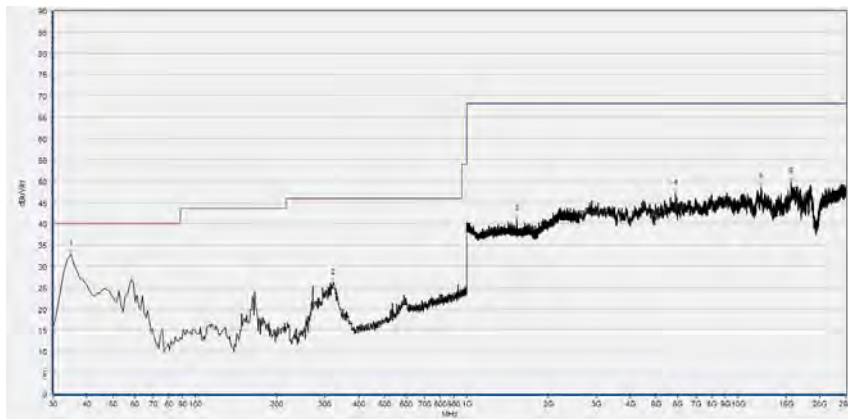
**802.11ac (VHT40) Test mode**

Plots for Channel = 38



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
163.994	30.95	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
532.963	28.91	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1241.147	39.46	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
4535.747	46.09	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
9110.742	47.58	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
16432.527	50.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

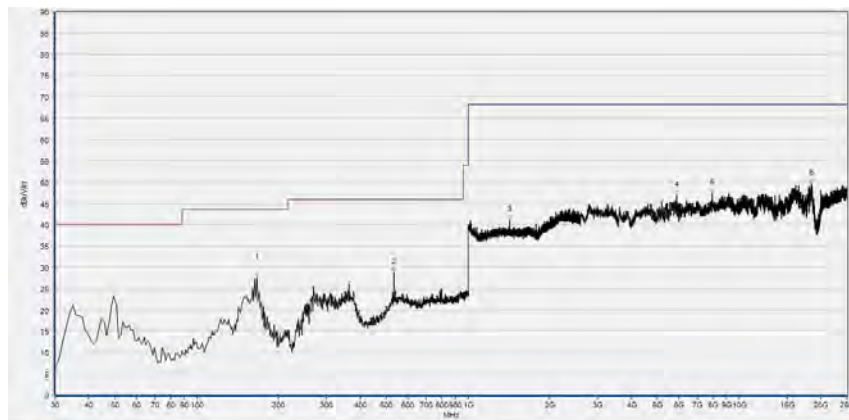
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	32.82	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
323.233	26.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1529.243	41.09	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
5884.497	47.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12157.752	48.62	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
15661.812	49.82	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

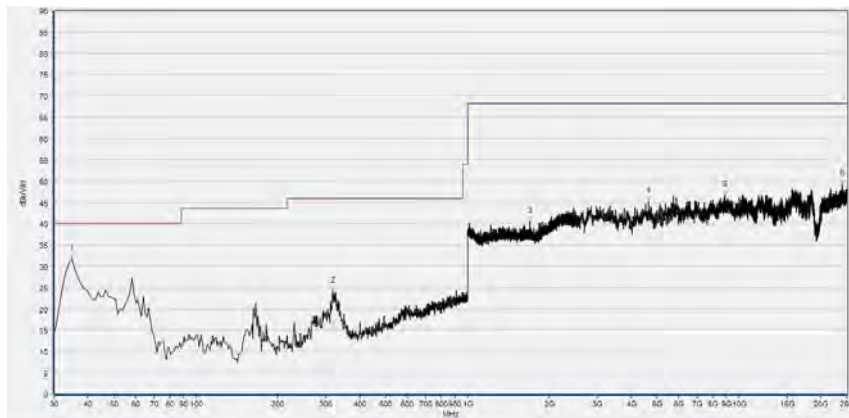
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 46



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
166.907	27.61	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
532.963	28.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1419.873	41.14	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
5875.535	46.94	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7941.228	47.38	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18511.662	49.61	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

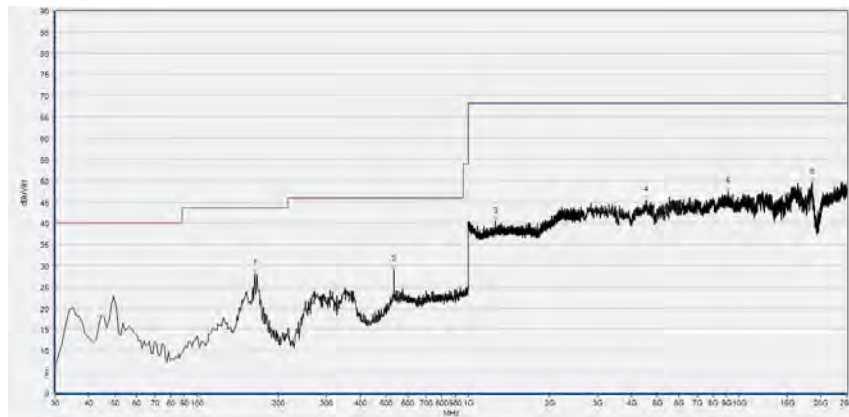
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	31.80	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
318.378	24.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1691.964	40.48	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
4647.770	45.30	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
8873.255	46.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
23897.700	49.34	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 54



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
163.994	28.14	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
532.963	28.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1261.420	40.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4535.747	45.36	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
9115.223	47.37	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
18574.395	49.60	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

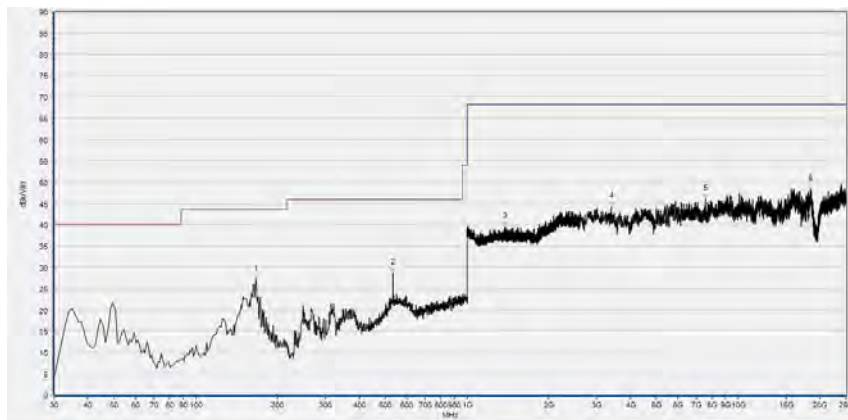
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	32.91	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
306.727	23.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1511.637	40.21	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
4728.426	44.41	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
11799.280	47.60	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
18498.220	48.85	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 62



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
166.907	27.09	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
532.963	28.72	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1383.595	39.54	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
3402.080	44.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7555.871	46.03	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
18431.006	48.20	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

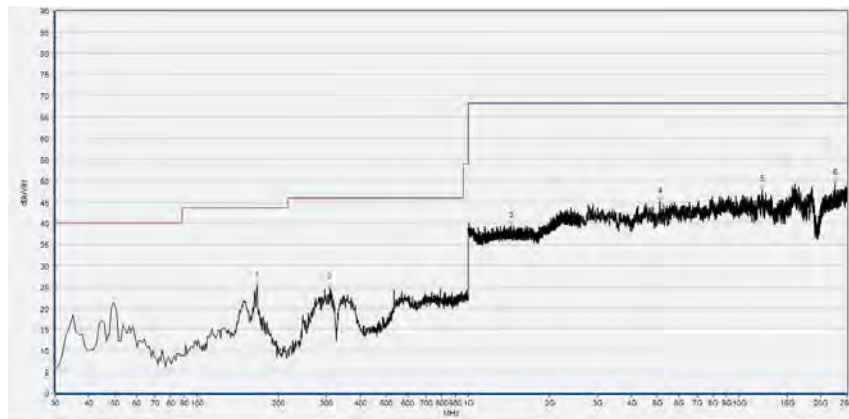
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	32.04	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
324.204	22.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1307.302	39.08	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
2837.487	44.85	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
5727.666	46.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11821.684	46.72	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 102



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
166.907	25.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
309.640	24.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1441.747	39.40	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
5095.859	45.07	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
12139.828	47.86	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
22607.201	49.43	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

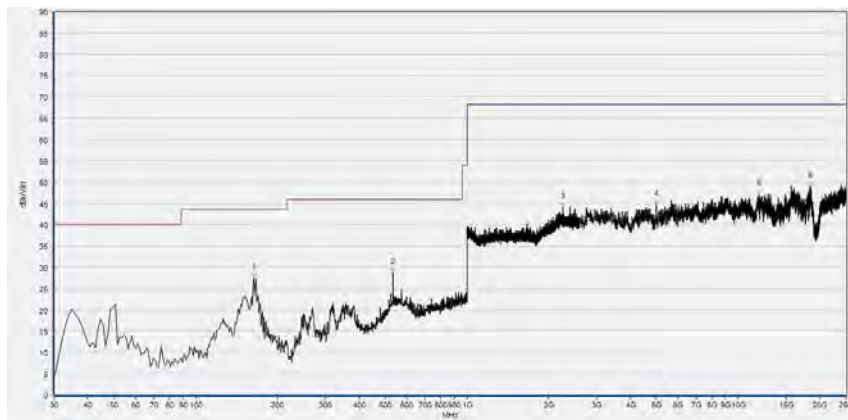
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	32.65	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
292.162	24.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1370.790	39.64	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
4746.349	45.52	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
8729.866	46.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16083.017	50.21	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

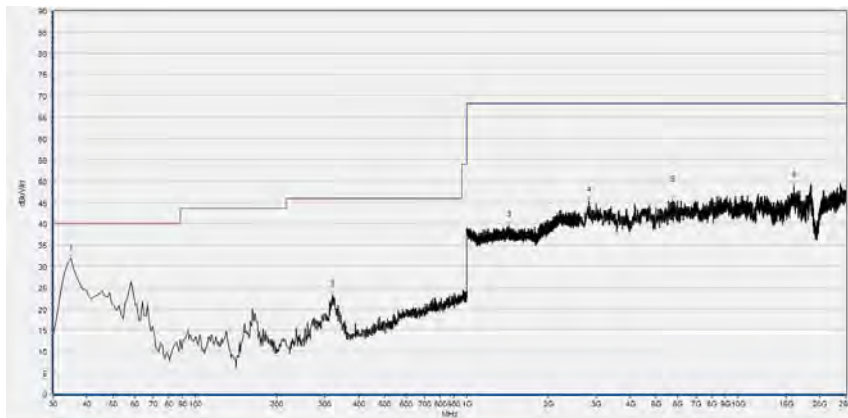
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 126



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
163.994	27.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
532.963	28.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2260.687	44.10	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
4979.356	44.76	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
11911.302	47.10	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
18507.181	48.99	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

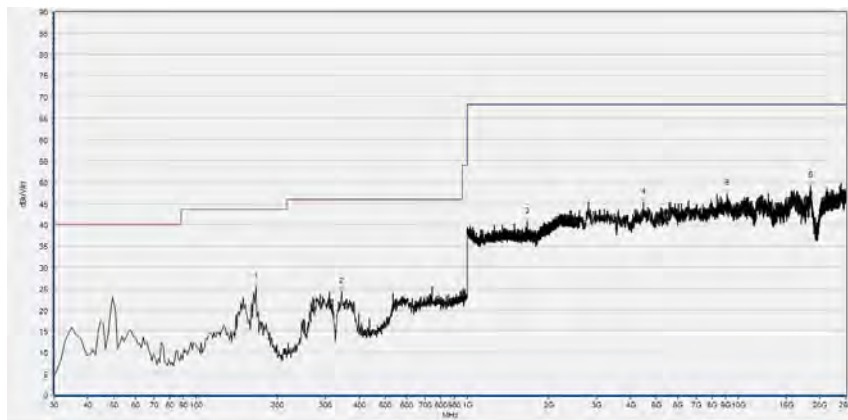
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	31.83	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
321.291	23.37	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1434.812	39.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
2819.564	45.47	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
5741.108	45.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16015.803	48.86	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

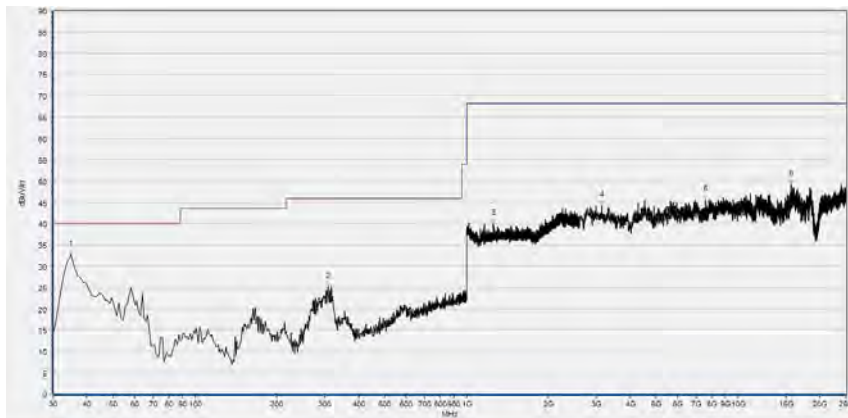
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 142



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
166.907	25.23	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
345.566	24.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1666.355	40.80	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
4477.495	45.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9106.261	47.26	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
18471.334	49.08	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

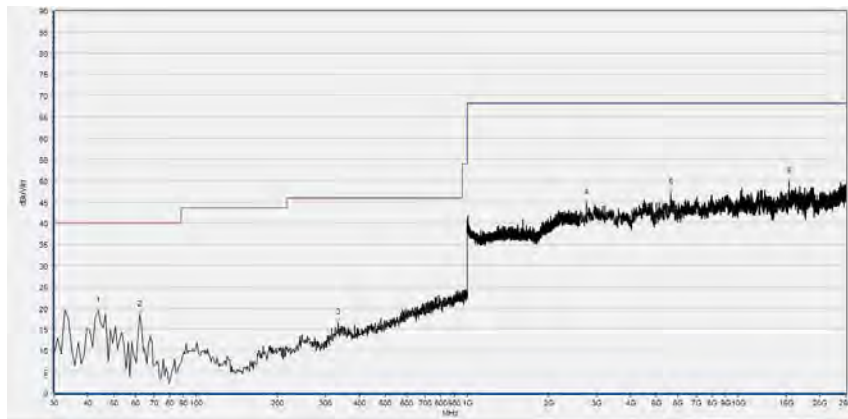
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	32.67	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
308.669	25.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1255.552	40.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3142.188	44.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7569.314	45.55	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
15661.812	49.31	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

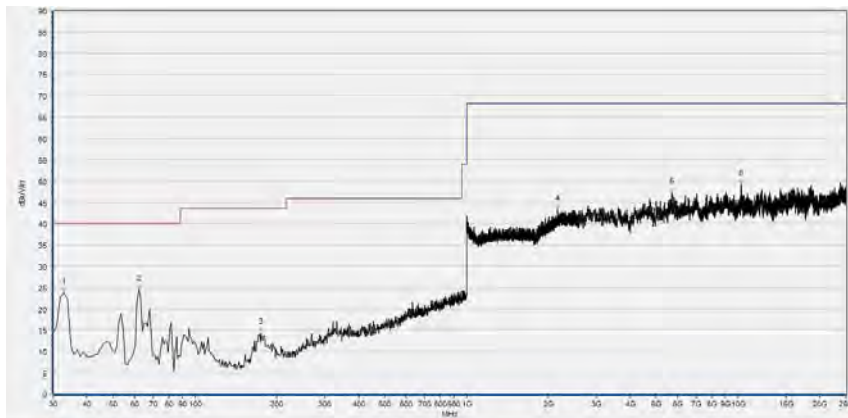
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 151



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
43.594	19.19	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
62.042	18.39	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
334.885	16.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2752.350	44.70	N/A	N/A	74.00	46.00	N/A	Horizontal	PASS
5647.009	47.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
15375.035	49.72	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

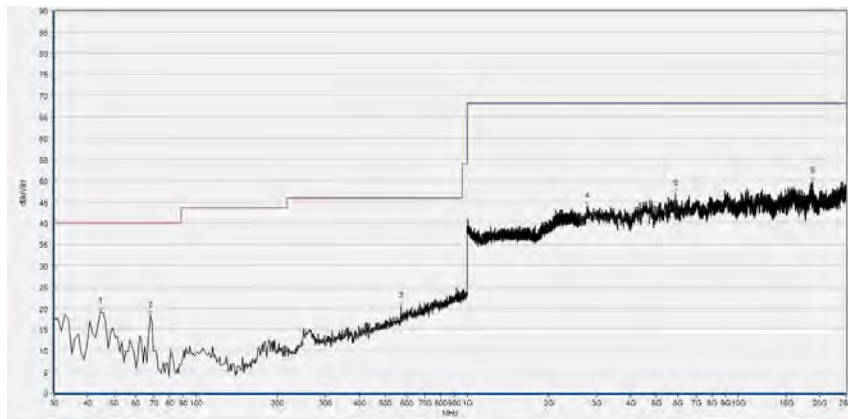
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.913	23.78	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
62.042	24.59	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
174.675	14.45	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2161.987	43.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5709.742	47.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10275.775	49.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

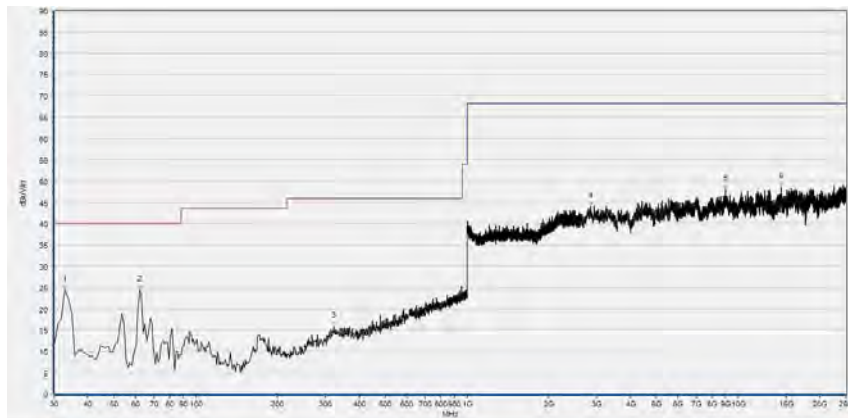
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 159



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
44.565	19.15	28.32	N/A	N/A	40.00	N/A	Horizontal	PASS
67.868	18.33	27.05	N/A	N/A	40.00	N/A	Horizontal	PASS
571.802	20.46	29.30	N/A	N/A	46.00	N/A	Horizontal	PASS
2765.793	43.90	47.18	N/A	74.00	N/A	N/A	Horizontal	PASS
5880.016	46.93	45.56	N/A	68.23	N/A	N/A	Horizontal	PASS
18749.150	49.83	46.78	N/A	74.00	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

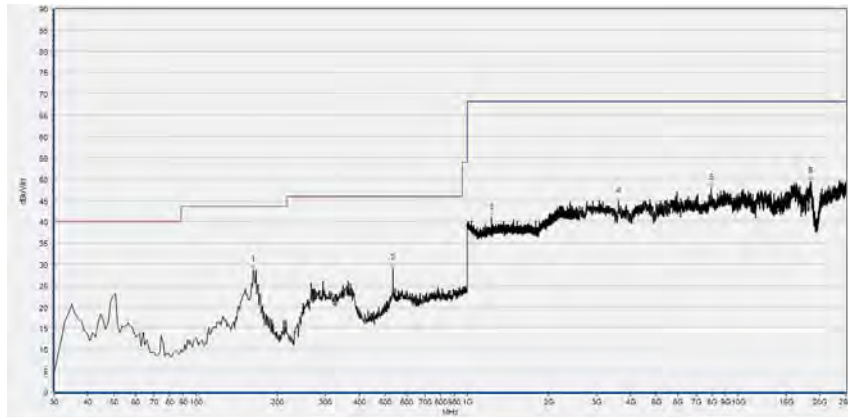


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
32.913	24.39	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
62.042	24.42	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
323.233	15.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2850.930	44.06	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
8958.392	48.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14389.238	48.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

**802.11ac (VHT80) Test mode**

Plots for Channel = 42



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
163.023	28.73	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
532.963	28.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1230.477	40.90	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
3608.202	44.71	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
7932.266	47.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18444.449	49.43	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

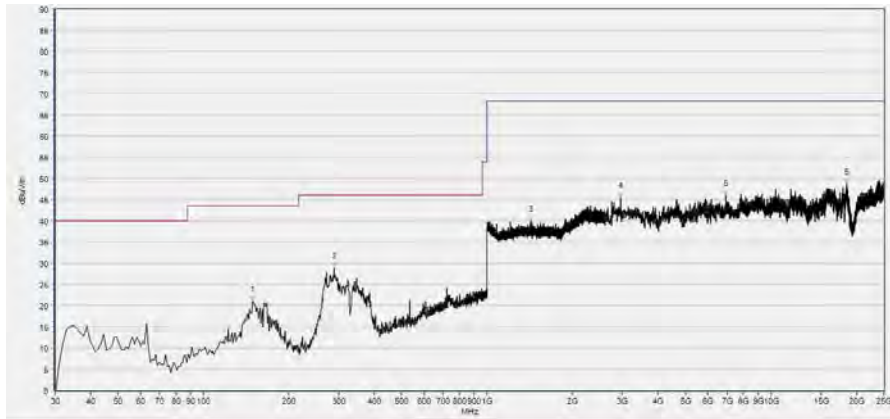
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	32.51	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
300.901	23.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2038.746	41.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5714.223	45.38	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10513.263	47.72	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
18480.296	48.67	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

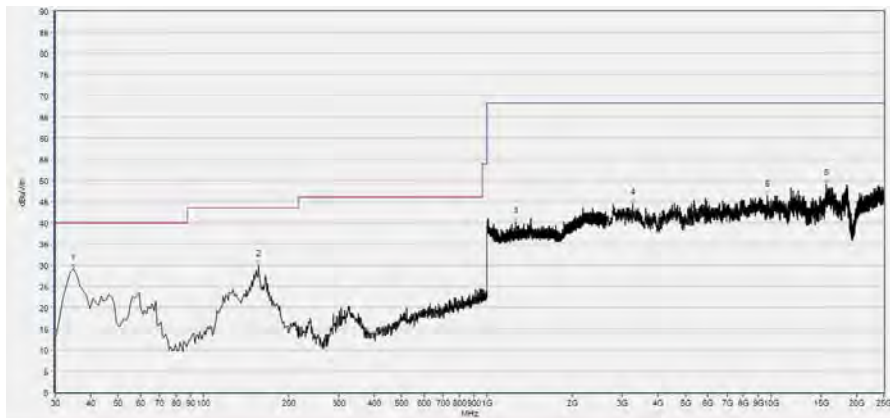
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 58



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
148.458	21.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
288.278	28.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1422.541	39.96	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
2958.472	45.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6946.469	46.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18453.411	48.82	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

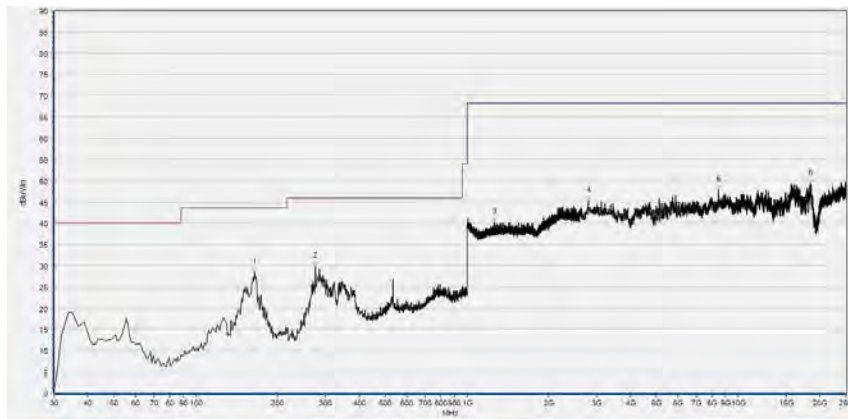
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	29.18	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
156.226	29.97	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1261.420	40.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3254.211	44.47	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9711.182	46.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
15661.812	49.06	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 106



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
164.965	28.55	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
275.656	29.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1258.753	40.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
2797.159	45.26	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
8434.127	47.84	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
18480.296	49.25	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

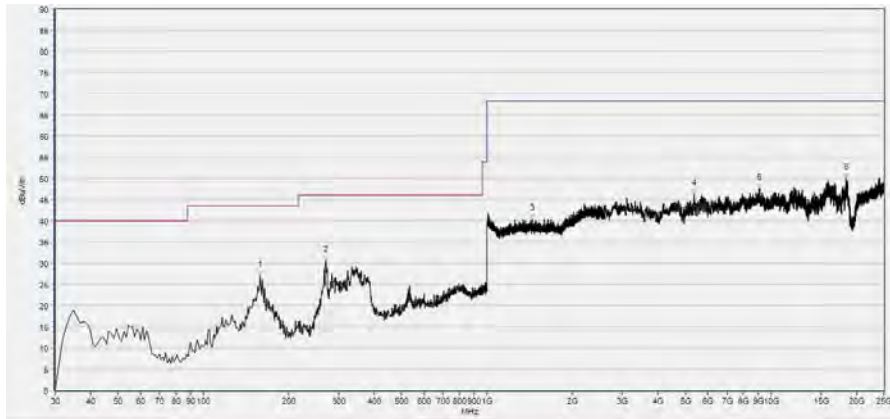
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	30.06	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
163.994	30.85	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1431.077	41.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3240.768	45.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5875.535	46.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
15675.255	49.33	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 122



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
158.168	27.04	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
269.830	30.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1436.946	40.28	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
5364.713	46.18	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
9092.819	47.50	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
18408.602	49.99	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

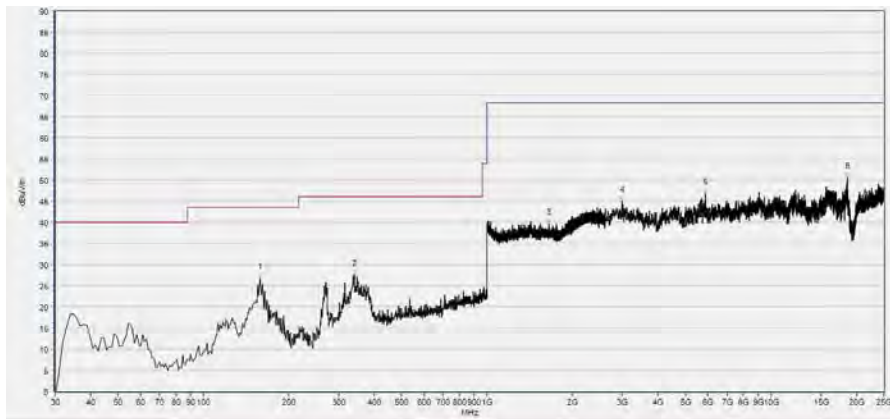
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	29.49	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
158.168	29.24	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1396.932	40.27	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
3128.746	45.25	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8012.923	47.04	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
15670.774	49.41	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 138



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
158.168	26.77	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
339.740	27.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1645.549	39.67	N/A	N/A	74.00	46.00	N/A	Horizontal	PASS
2985.357	45.05	N/A	N/A	68.23	46.00	N/A	Horizontal	PASS
5875.535	46.84	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18565.433	50.48	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS

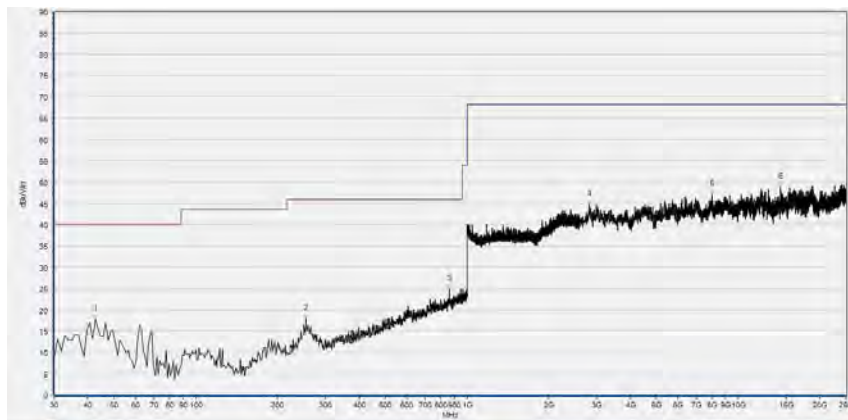
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
34.855	29.12	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
158.168	28.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1414.538	39.76	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
3321.424	43.92	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8922.545	48.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18587.838	50.36	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

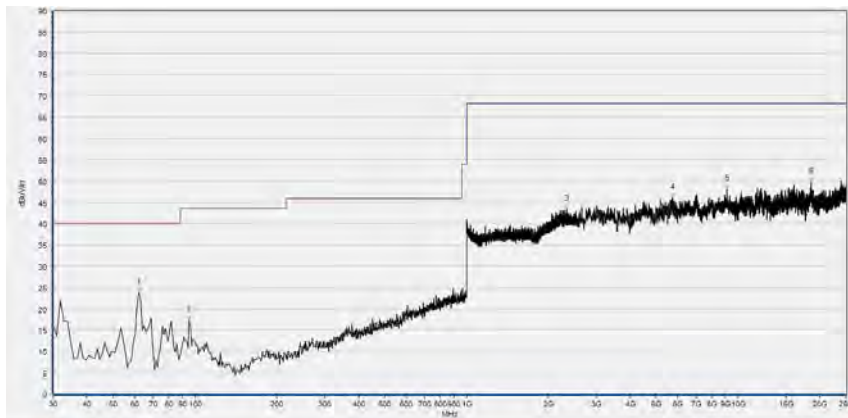
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 155



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
42.623	17.83	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
255.265	17.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
862.122	24.87	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2815.083	44.79	N/A	N/A	74.00	N/A	N/A	Horizontal	PASS
7994.999	47.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14286.177	48.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
62.042	23.73	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
95.055	17.27	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2343.381	43.36	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
5732.146	46.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9115.223	48.08	N/A	N/A	74.00	N/A	N/A	Vertical	PASS
18587.838	49.79	N/A	N/A	74.00	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)



Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test items	Uncertainty
Peak Output Power	$\pm 2.22\text{dB}$
Power spectral density (PSD)	$\pm 2.22\text{dB}$
Bandwidth	$\pm 5\%$
Restricted Frequency Bands	$\pm 5\%$
Radiated Emission	$\pm 2.95\text{dB}$
Conducted Emission	$\pm 2.44\text{dB}$

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$



Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



4. Test Equipments Utilized

4.1 Conducted Test Equipments

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Attenuator 1	(N/A)	10dB	Resnet	2018.04.17	2019.04.16
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2018.11.06	2019.11.05
USB Wideband Power Sensor	MY54210011	U2021XA	Agilent	2018.04.17	2019.04.16
RF cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial cable	CB02	RF02	Morlab	N/A	N/A
SMA connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Temperature Chamber	(N/A)	HUT705P	CHONGQING HANBA EXPERIMENTAL EQUIPMENT CO.,LTD	2018.04.17	2019.04.16
Computer	T430i	Think Pad	Lenovo	N/A	N/A

4.2 Conducted Emission Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Receiver	MY56400093	N9038A	KEYSIGHT	2018.05.08	2019.05.07
LISN	812744	NSLK 8127	Schwarzbeck	2018.05.08	2019.05.07
Pulse Limiter (20dB)	9391	VTSD 9561-D	Schwarzbeck	2018.05.08	2019.05.07
Coaxial cable(BNC)	CB01	EMC01	Morlab	N/A	N/A

4.3 List of Software Used

Description	Manufacturer	Software Version
Test system	Tonscend	V2.6
Power Panel	Agilent	V3.8
MORLAB EMCR V1.2	MORLAB	V 1.0

**4.4 Radiated Test Equipments**

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Receiver	MY54130016	N9038A	Agilent	2018.08.04	2019.08.03
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2018.05.18	2019.05.17
Test Antenna - Horn	9170C-531	BBHA9170	Schwarzbeck	2018.03.03	2019.03.02
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2018.08.06	2019.08.05
Test Antenna - Horn	01774	BBHA 9120D	Schwarzbeck	2018.08.02	2019.08.01
Coaxial cable (N male) (9KHz-30MHz)	CB04	EMC04	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB02	EMC02	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB03	EMC03	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-40GHz)	CB05	EMC05	Morlab	N/A	N/A
1-18GHz pre-Amplifier	MA02	TS-PR18	Rohde& Schwarz	2018.05.08	2019.05.07
18-26.5GHz pre-Amplifier	MA03	TS-PR18	Rohde& Schwarz	2018.05.08	2019.05.07
26GHz -40GHz pre-Amplifier	MA05	BBV9721	Rohde& Schwarz	2018.05.08	2019.05.07
Notch Filter	N/A	WRCG-5150-5350	Wainwright	2018.12.01	2019.11.30
Notch Filter	N/A	WRCG-5470-5725	Wainwright	2018.12.01	2019.11.30
Notch Filter	N/A	WRCG-5725-5850	Wainwright	2018.12.01	2019.11.30



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Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Anechoic Chamber	N/A	9m*6m*6m	CRT	2017.11.19	2020.11.18

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