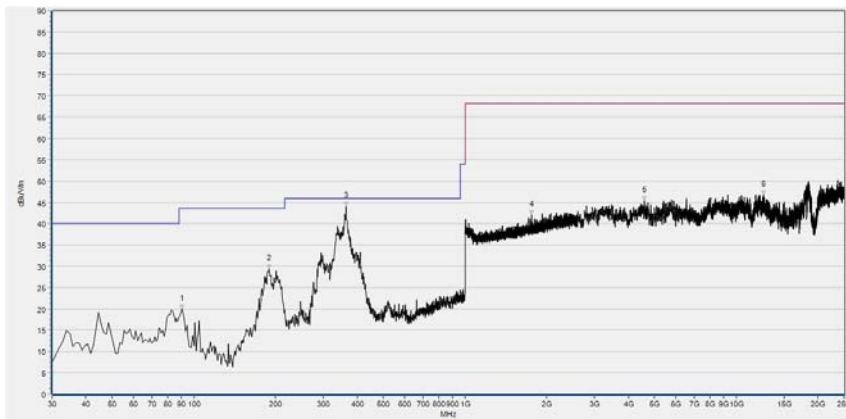
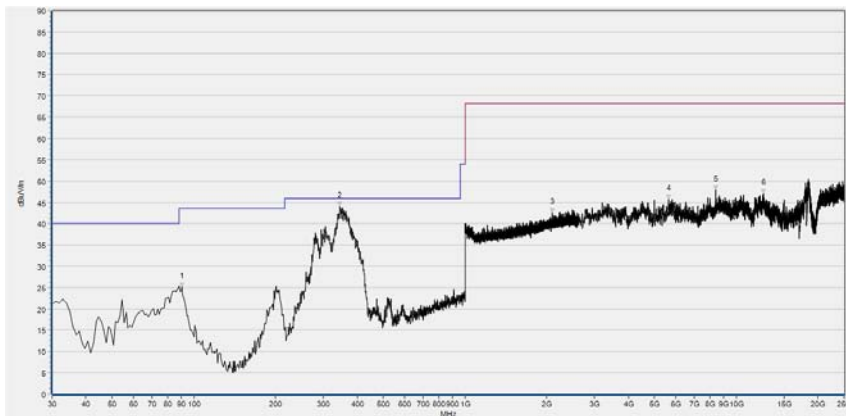


**802.11n (HT20) Test mode**Plots for Channel = 36

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
90.200	19.95	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
189.239	29.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
364.014	44.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1762.921	41.99	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4585.037	45.41	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12587.918	46.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

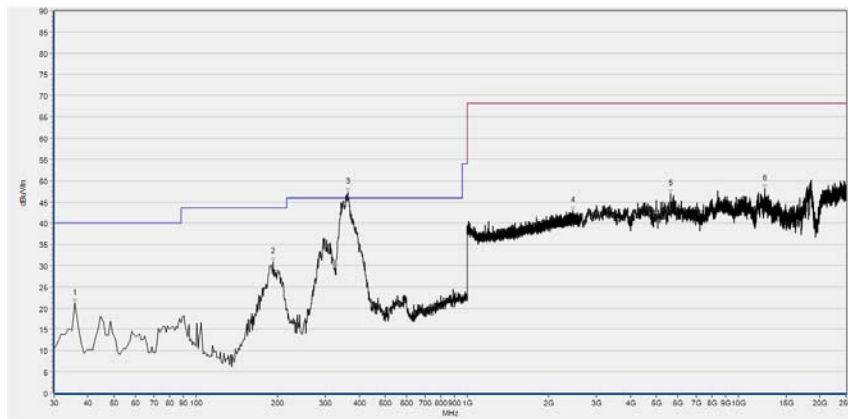
(Antenna Horizontal, 30MHz to 25GHz)



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
90.200	25.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
345.566	44.15	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2100.100	42.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5638.048	45.76	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8384.837	47.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12601.360	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

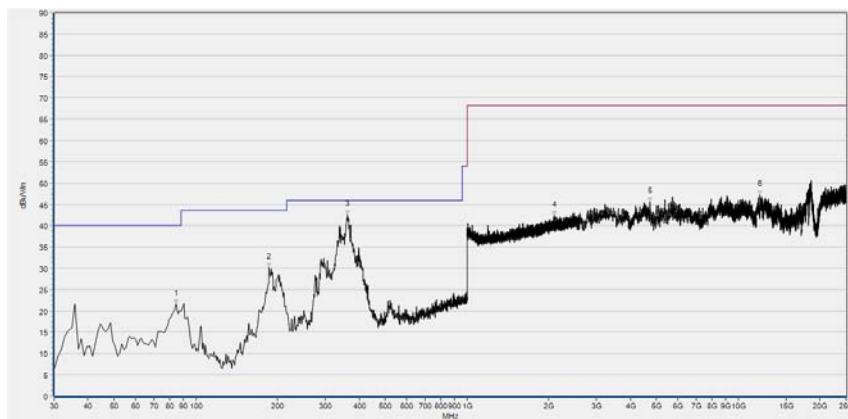
(Antenna Vertical, 30MHz to 25GHz)

### 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
35.826	21.10	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
192.152	30.76	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
363.043	47.26	41.29	N/A	N/A	46.00	N/A	Horizontal	PASS
2448.483	42.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5615.643	46.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12543.109	48.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

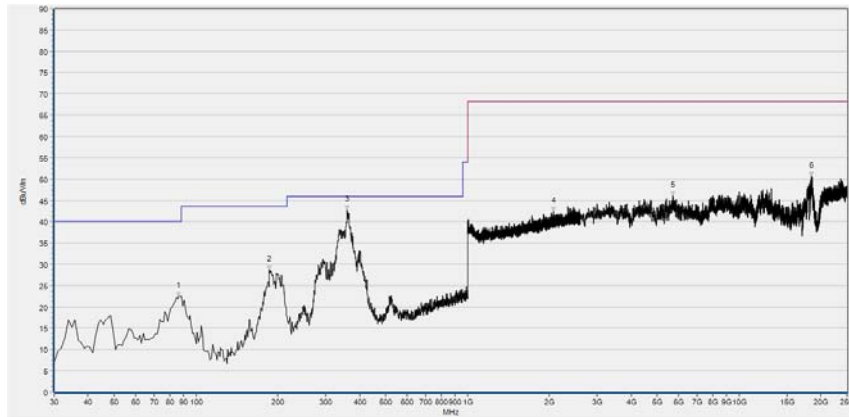


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
84.374	21.62	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
186.326	30.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
362.072	42.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2092.097	42.43	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4737.387	45.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12045.729	47.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

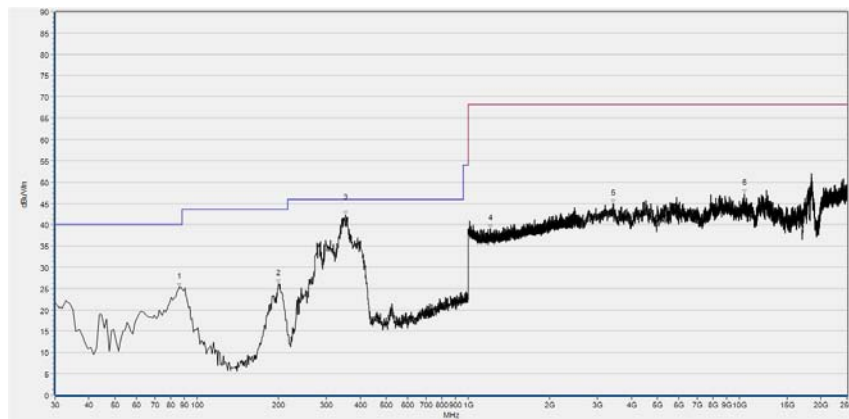


## Plot for Channel = 48



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
86.316	22.48	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
186.326	28.68	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.130	42.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2077.159	42.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5714.223	46.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18457.892	50.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

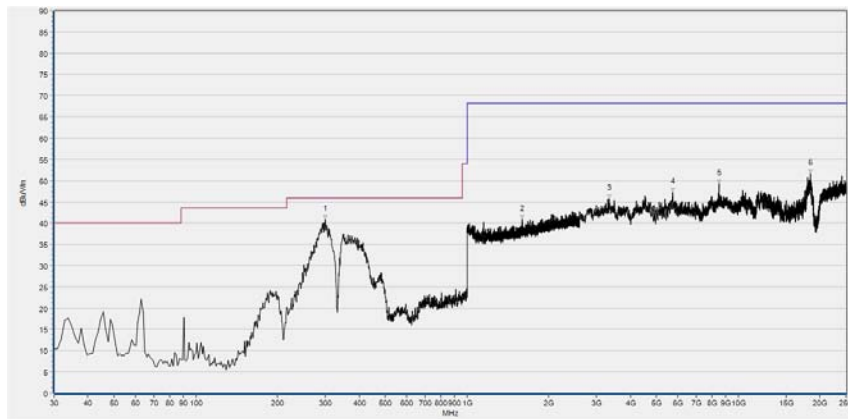
(Antenna Horizontal, 30MHz to 25GHz)



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
86.316	25.36	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
199.920	26.18	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
354.304	42.22	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1206.469	38.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3428.966	44.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10432.607	47.30	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
299.930	40.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1600.200	40.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3334.867	45.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5727.666	47.23	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8478.936	49.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18448.930	51.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

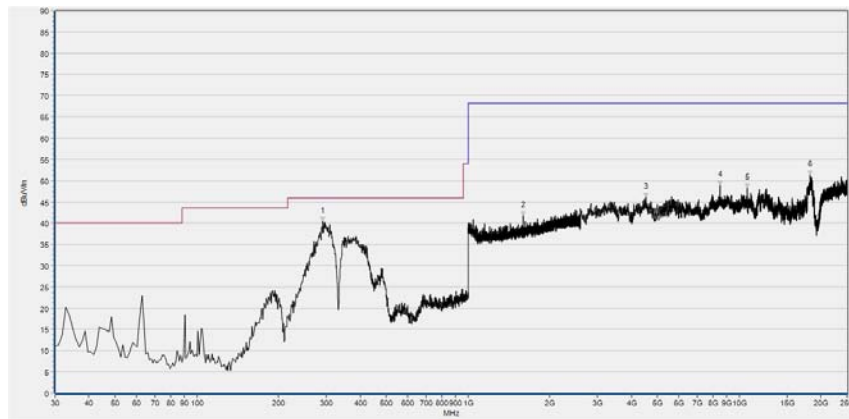
(Antenna Horizontal, 30MHz to 25GHz)



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
343.624	33.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1544.715	40.11	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3366.233	45.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8443.089	47.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11862.012	47.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18413.083	50.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

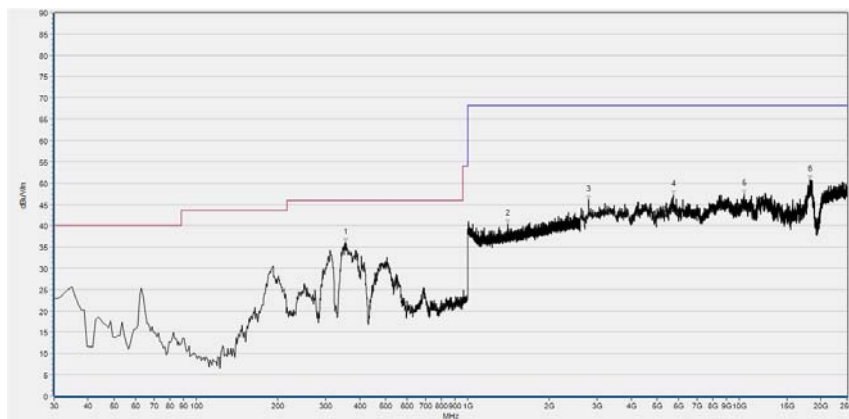
(Antenna Vertical, 30MHz to 25GHz)

### 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
291.191	40.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1600.200	41.68	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4526.785	46.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8478.936	48.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10683.537	48.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18224.885	51.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

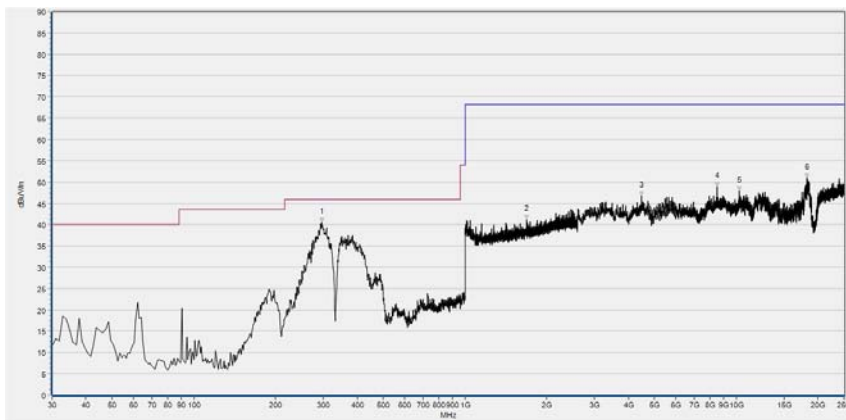
(Antenna Horizontal, 30MHz to 25GHz)



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
355.275	36.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1402.267	40.33	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
2792.679	46.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5718.704	47.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10446.049	47.49	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18256.251	50.81	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
296.046	40.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1689.830	41.23	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4473.015	46.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8510.302	48.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10275.775	47.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18206.961	51.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

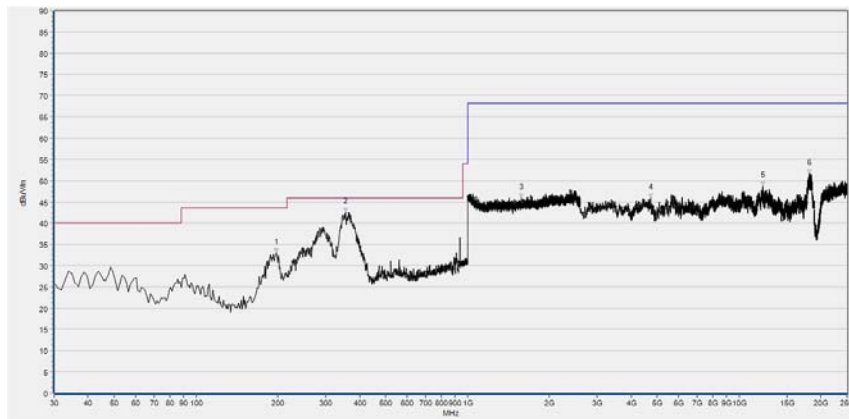


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
292.162	36.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1466.822	40.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3249.730	44.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5629.086	46.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12265.293	46.76	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18525.105	50.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

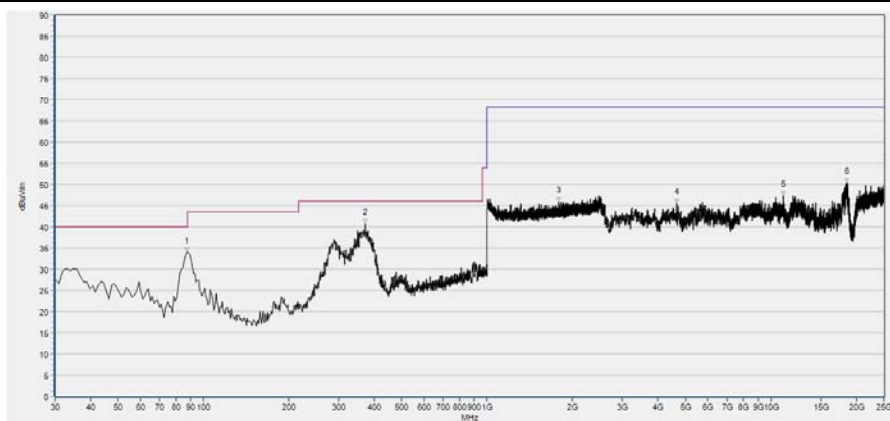


## Plots for Channel = 100



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
197.978	33.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
355.275	42.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1575.125	46.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4714.983	45.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12238.408	48.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18166.633	51.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

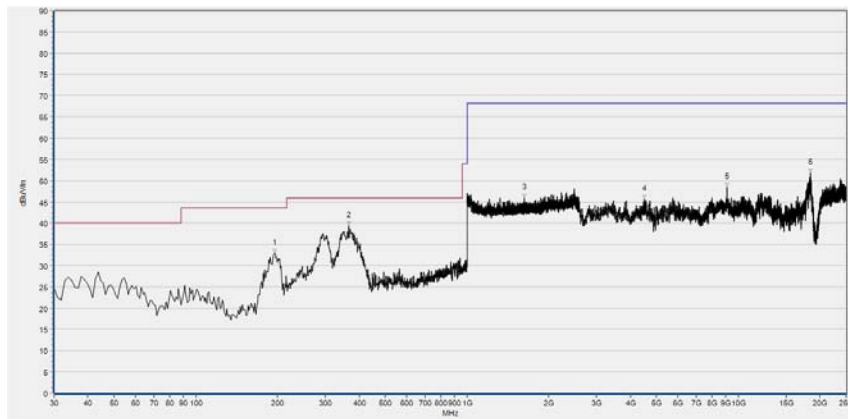


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
87.287	33.95	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
371.782	40.80	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1788.530	45.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4647.770	45.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11064.413	47.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18471.334	50.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

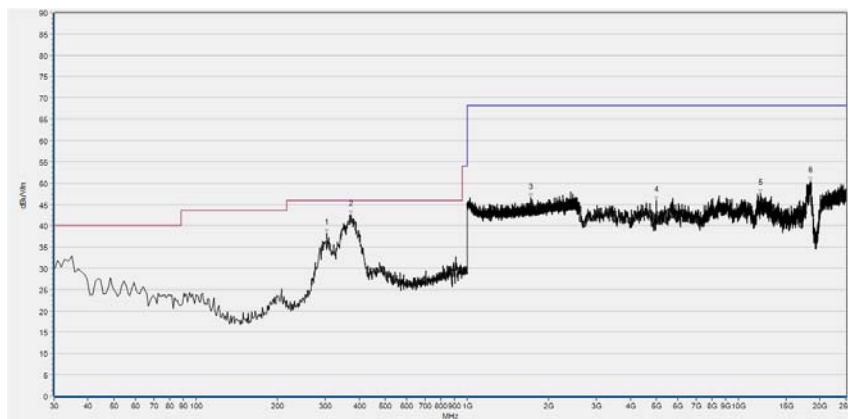


### Plots for Channel = 120



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
195.065	32.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
365.956	39.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1623.675	45.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4504.381	45.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9110.742	48.51	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18511.662	51.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

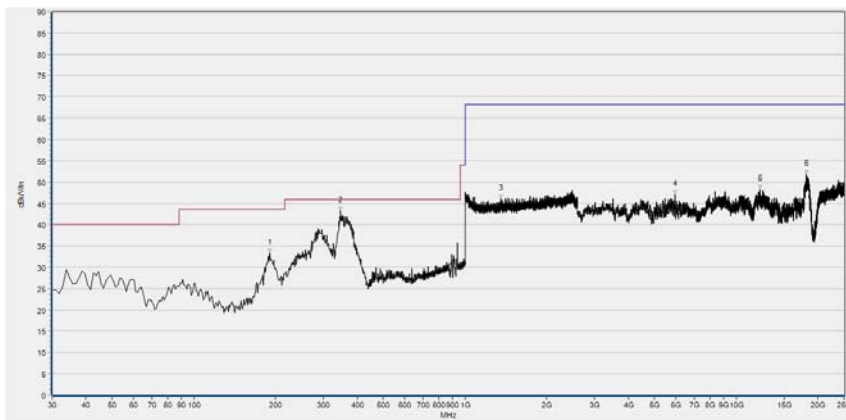


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
303.814	38.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
373.724	42.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1715.972	46.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4983.837	45.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12090.538	47.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18439.968	50.50	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

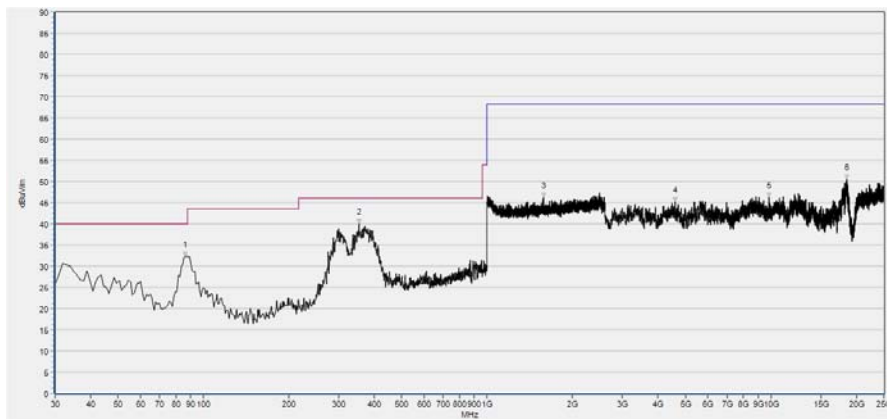


### Plot for Channel = 140



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
190.210	33.33	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
347.508	43.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1358.520	46.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5938.268	47.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12247.369	48.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18144.229	51.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

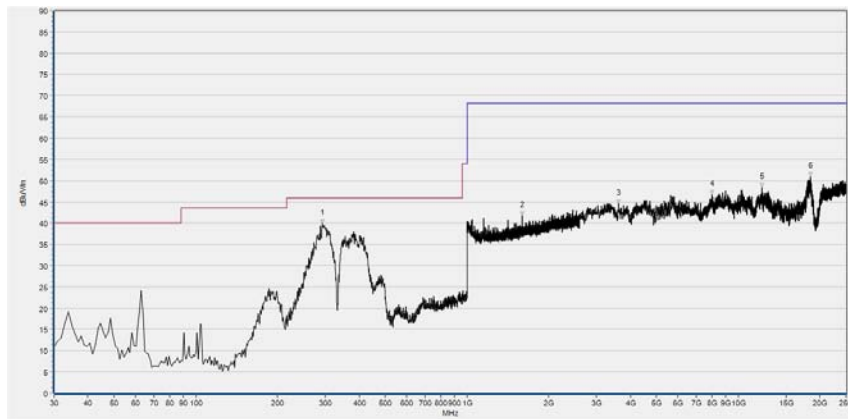


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
86.316	32.39	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
353.333	39.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1577.793	46.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4585.037	45.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9863.533	46.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18466.853	50.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

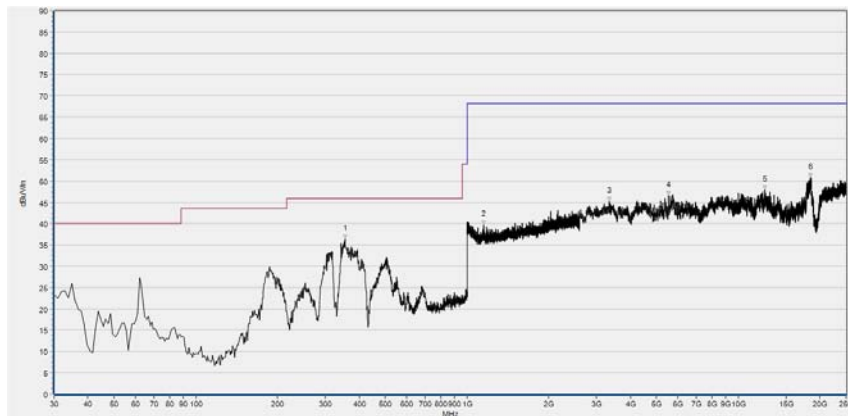


## Plots for Channel = 149



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
292.162	39.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1600.200	41.74	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3617.163	44.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8012.923	46.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12233.927	48.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18489.258	51.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

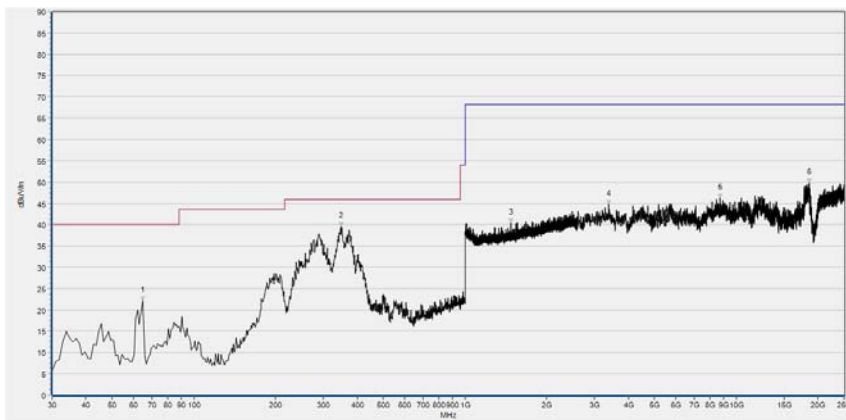
(Antenna Horizontal, 30MHz to 25GHz)



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
355.275	36.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1153.651	39.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3334.867	45.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5534.987	46.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12520.704	47.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18493.739	50.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

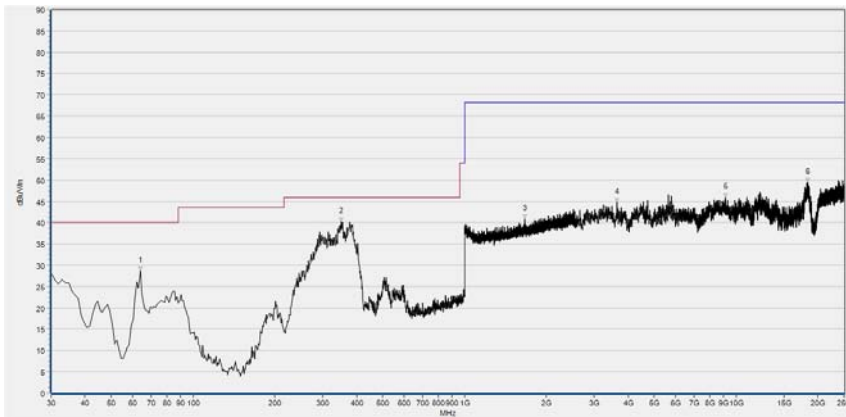
(Antenna Vertical, 30MHz to 25GHz)

### 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
64.955	22.08	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
349.449	39.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1474.825	40.39	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3379.676	44.73	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8707.461	46.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18578.876	49.73	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

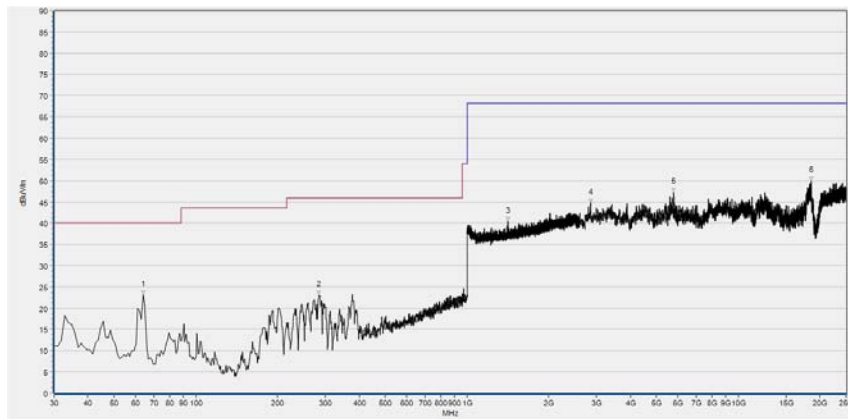
(Antenna Horizontal, 30MHz to 25GHz)



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
63.984	28.74	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
351.391	40.18	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1662.621	40.88	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3639.568	44.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9119.704	45.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18305.541	49.38	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

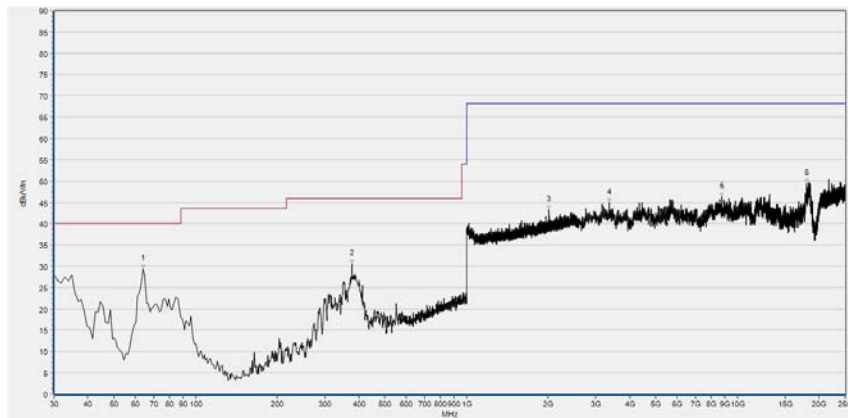
(Antenna Vertical, 30MHz to 25GHz)

### 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
63.984	23.15	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
284.394	23.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1418.273	40.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
2850.930	44.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5785.917	47.23	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18569.914	49.98	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

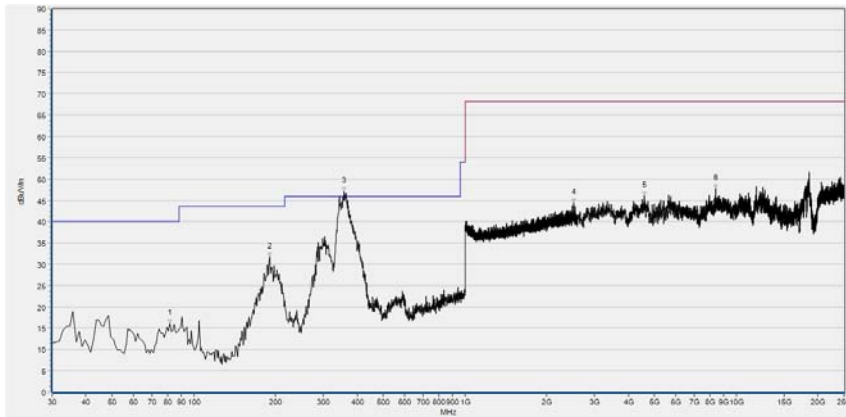


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
63.984	29.28	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
377.608	30.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2016.339	43.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3366.233	44.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8743.309	46.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18027.726	49.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

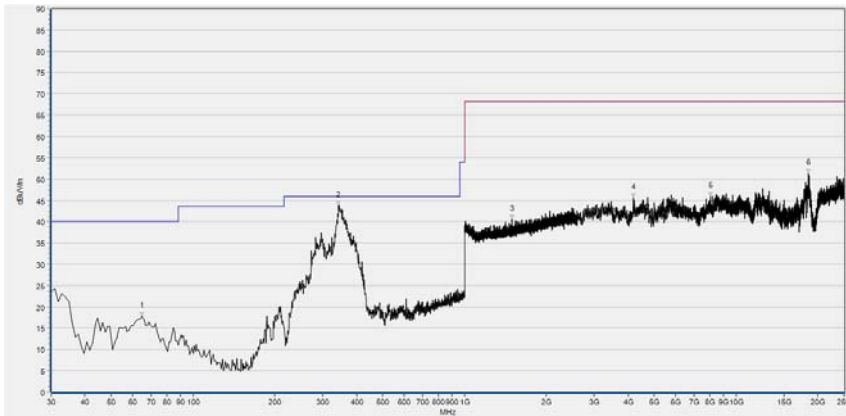
**802.11n (HT40) Test mode**

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
81.461	16.07	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
190.210	31.68	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
358.188	47.04	42.05	N/A	N/A	46.00	N/A	Horizontal	PASS
2515.705	44.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4580.556	46.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8384.837	47.73	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

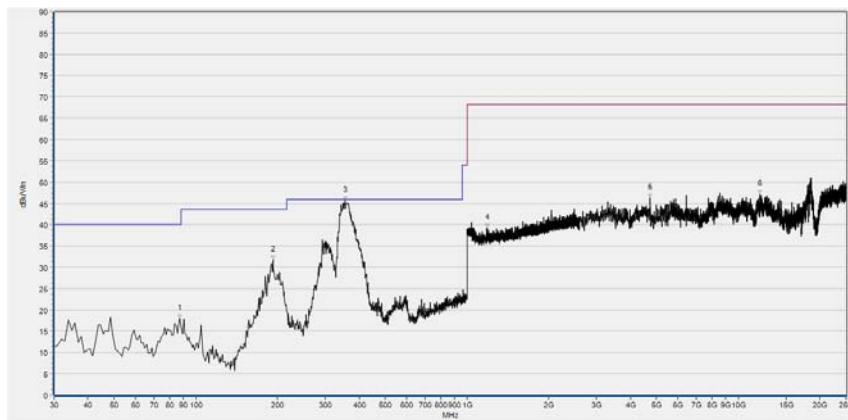


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
64.955	17.77	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
343.624	43.75	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1492.431	40.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4190.718	45.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8044.289	45.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18480.296	51.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

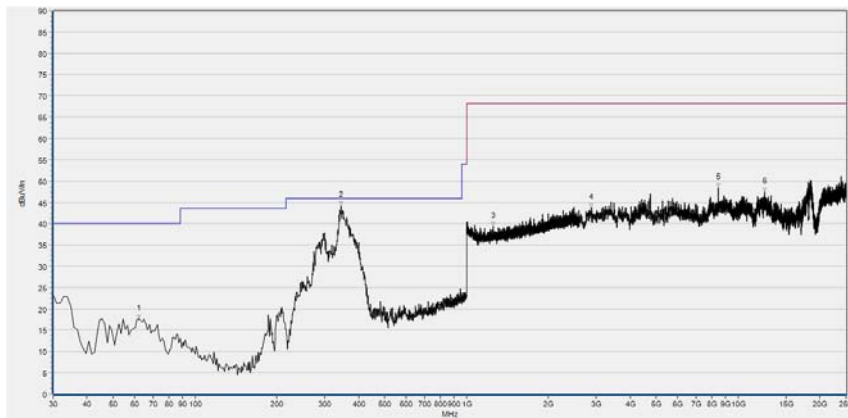


## Plot for Channel = 46



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
87.287	17.86	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
192.152	31.68	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
355.275	45.64	45.58	N/A	N/A	46.00	N/A	Horizontal	PASS
1184.595	39.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4737.387	46.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11987.477	47.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

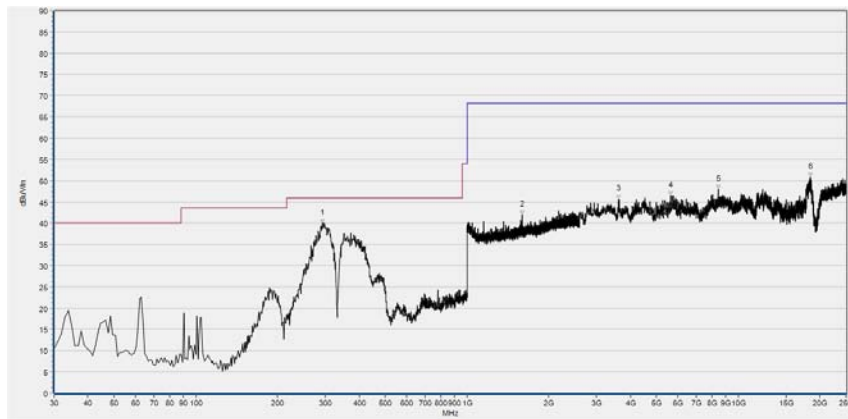
(Antenna Horizontal, 30MHz to 25GHz)



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	17.60	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
345.566	44.33	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1254.485	39.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
2882.296	43.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8443.089	48.43	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12529.666	47.45	N/A	N/A	68.23	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
292.162	39.88	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1600.200	41.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3626.125	45.50	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5624.605	46.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8434.127	47.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18448.930	50.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)



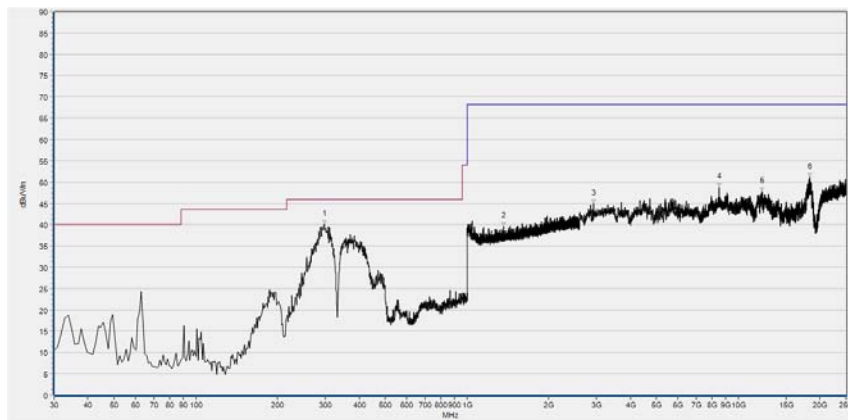
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
357.217	35.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1600.200	41.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4271.374	46.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8429.646	48.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12722.344	48.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18498.220	51.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)



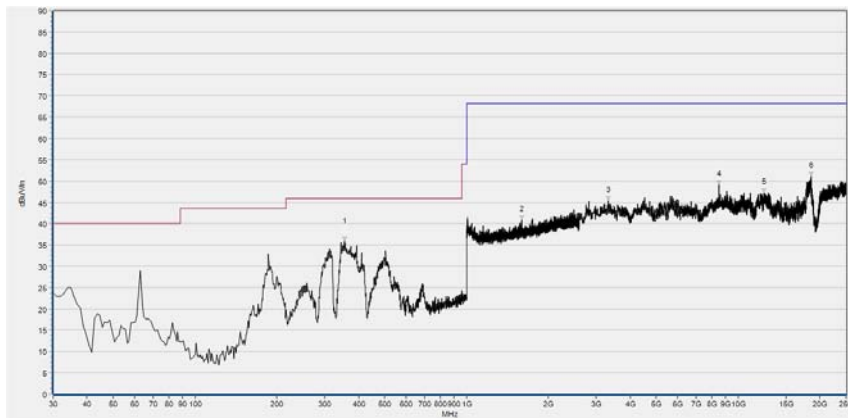


## Plot for Channel = 62



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
297.988	40.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1362.788	39.62	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
2931.586	44.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8496.859	48.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12224.965	47.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18399.640	51.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

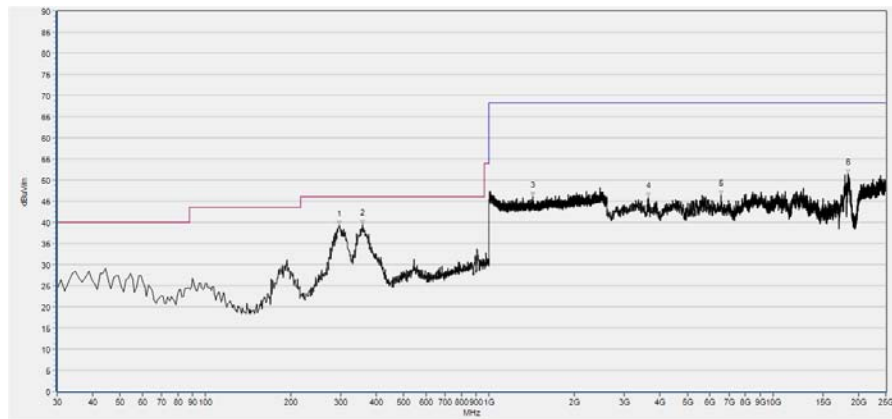


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
355.275	35.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1599.667	40.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3330.386	45.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8496.859	49.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12431.086	47.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18574.395	51.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

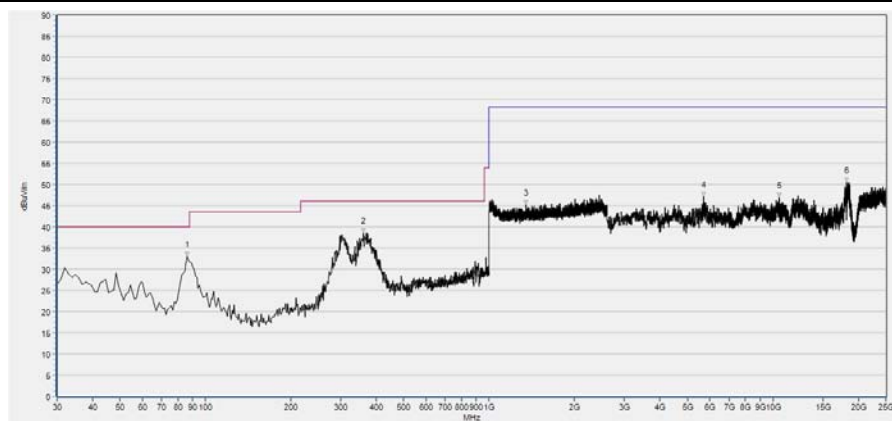


## Plots for Channel = 102



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
296.046	39.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
357.217	39.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1423.074	46.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3648.530	45.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6565.593	46.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18408.602	51.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

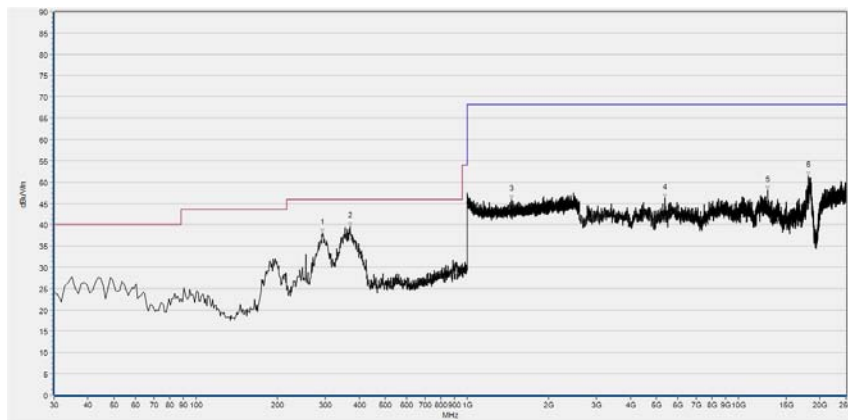
(Antenna Horizontal, 30MHz to 25GHz)



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
86.316	33.00	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
361.101	38.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1345.182	45.12	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5709.742	47.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10495.339	46.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18171.114	50.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

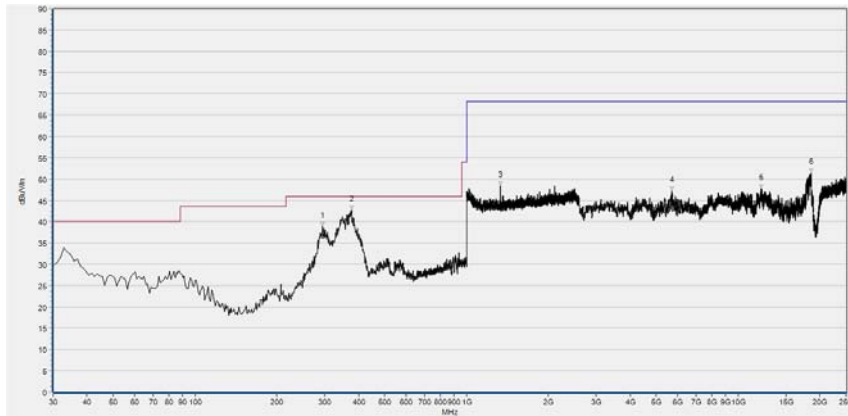
(Antenna Vertical, 30MHz to 25GHz)

### 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
293.133	38.02	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
369.840	39.61	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1459.887	45.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5373.675	46.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12870.214	48.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18153.191	51.38	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

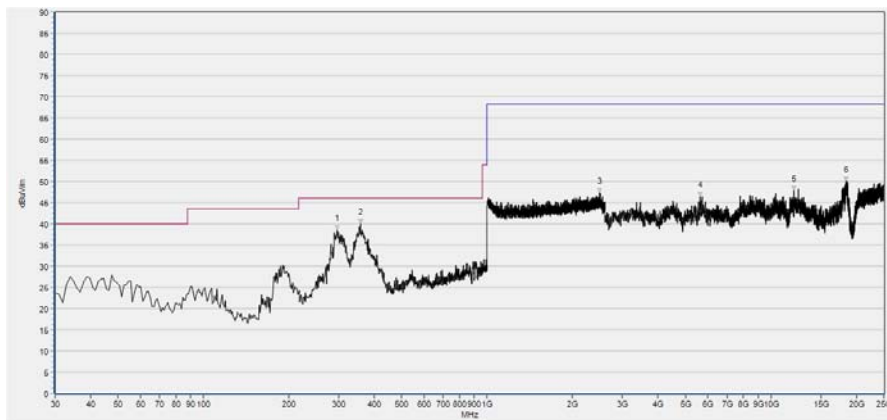


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
295.075	38.80	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
376.637	42.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1331.310	48.38	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5700.780	47.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12121.904	47.70	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18551.990	51.49	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

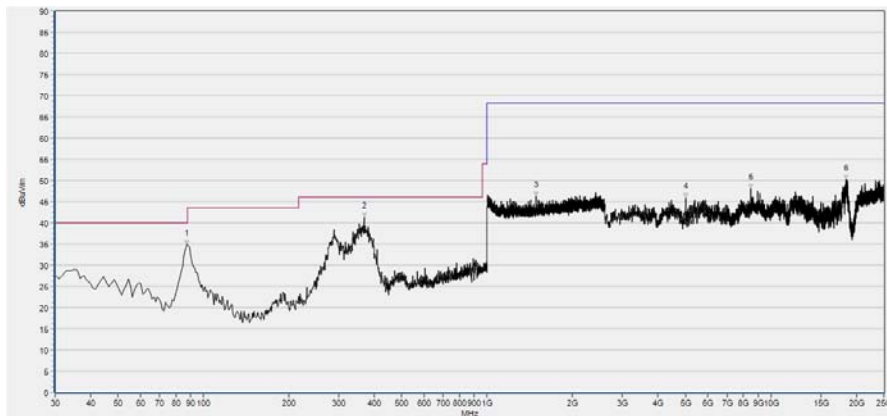


## Plot for Channel = 142



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
295.075	38.61	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
357.217	40.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2493.298	47.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5638.048	46.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12063.653	47.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18413.083	50.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

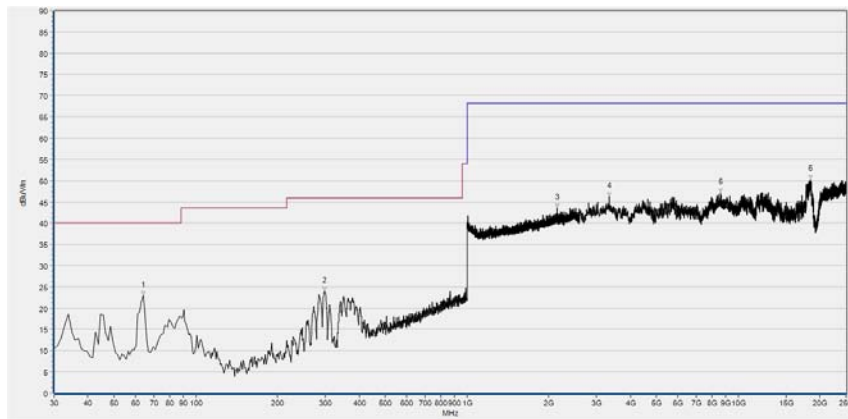
(Antenna Horizontal, 30MHz to 25GHz)



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
87.287	34.75	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
368.869	41.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1487.629	46.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5001.760	45.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8474.455	47.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18417.564	50.11	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

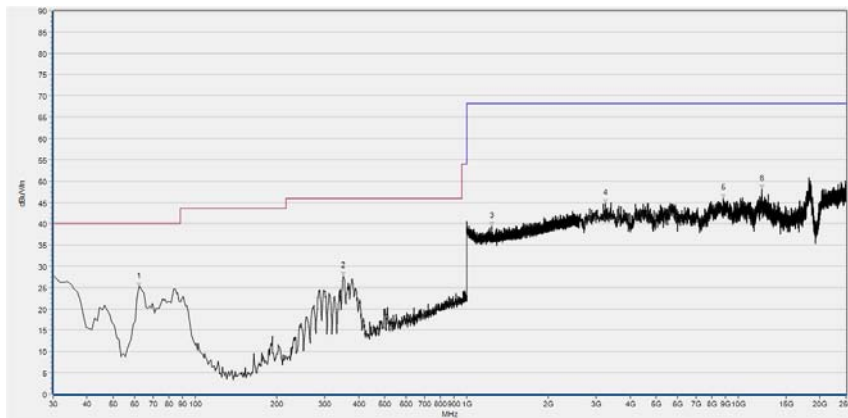
(Antenna Vertical, 30MHz to 25GHz)

### 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
63.984	22.95	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
298.959	23.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2148.650	43.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3343.829	46.28	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8626.805	47.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18507.181	50.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

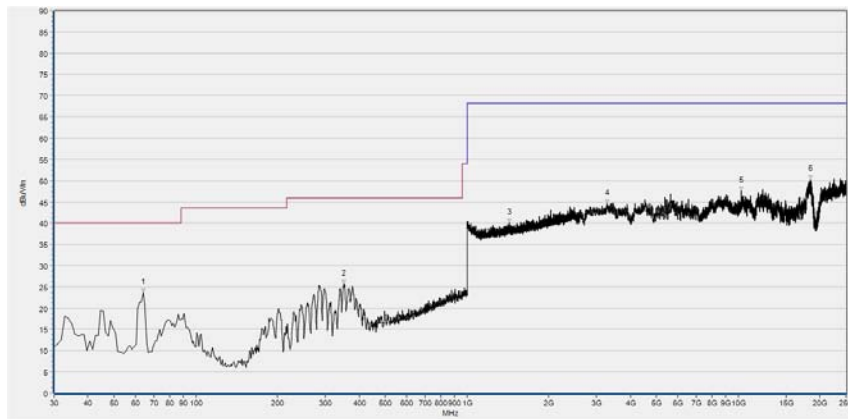
(Antenna Horizontal, 30MHz to 25GHz)



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	25.13	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
351.391	27.73	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1239.547	39.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3245.249	44.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8832.927	45.88	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12260.812	48.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

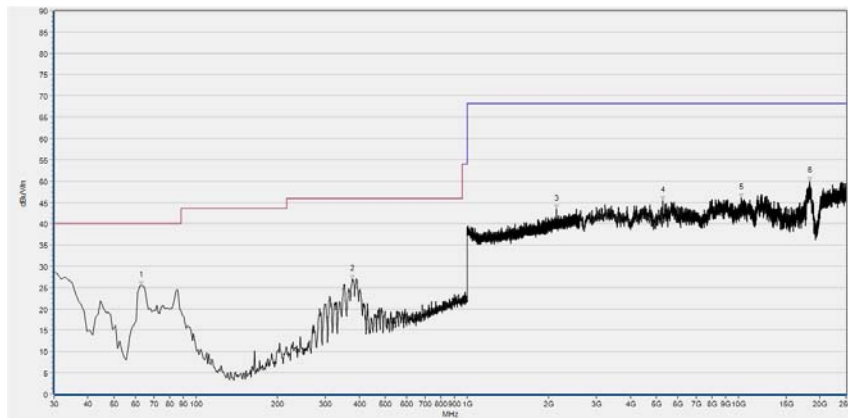
(Antenna Vertical, 30MHz to 25GHz)

### 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
63.984	23.58	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
351.391	25.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1431.077	40.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3276.615	44.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10280.256	47.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
18484.777	50.23	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
63.013	25.47	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
376.637	27.02	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2134.778	43.49	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5261.652	45.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10284.737	46.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
18301.060	50.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)



## **2.9. Automatically discontinue transmission requirement**

### **2.9.1. Requirement**

According to 15.407(c), the device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met

### **2.9.2. Result**

The EUT will automatically discontinue transmission in case of either absence of information to transmit or operational failure.



## 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

<b>Company Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd.
<b>Department:</b>	Morlab Laboratory
<b>Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, Guangdong Province, P. R. China
<b>Responsible Test Lab Manager:</b>	Mr. Su Feng
<b>Telephone:</b>	+86 755 36698555
<b>Facsimile:</b>	+86 755 36698525

### 2. Identification of the Responsible Testing Location

<b>Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
<b>Address:</b>	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.



#### 4. Test Equipments Utilized

##### 4.1 Conducted Test Equipments

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Power Splitter	NW521	1506A	Weinschel	2017.05.24	2018.05.23
Attenuator 1	(N/A)	10dB	Resnet	2017.05.24	2018.05.23
Attenuator 2	(N/A)	3dB	Resnet	2017.05.24	2018.05.23
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2017.12.03	2018.12.02
USB Wideband Power Sensor	MY54210011	U2021XA	Agilent	2017.05.24	2018.05.23
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	2017.05.24	2018.05.23

##### 4.2 Conducted Emission Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Receiver	MY56400093	N9038A	KEYSIGHT	2017.07.13	2018.07.12
LISN	812744	NSLK 8127	Schwarzbeck	2017.05.17	2018.05.16
Pulse Limiter (20dB)	9391	VTSD 9561-D	Schwarzbeck	2017.05.17	2018.05.16
Coaxial cable(BNC) (30MHz-26GHz)	CB01	EMC01	Morlab	N/A	N/A

##### 4.3 Auxiliary Test Equipment

Equipment Name	Model No.	Brand Name	Manufacturer	Cal.Date	Cal. Due
Computer	T430i	Think Pad	Lenovo	N/A	N/A

**4.4 Radiated Test Equipments**

<b>Equipment Name</b>	<b>Serial No.</b>	<b>Type</b>	<b>Manufacturer</b>	<b>Cal. Date</b>	<b>Cal. Due</b>
Receiver	MY54130016	N9038A	Agilent	2017.05.17	2018.05.16
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2017.05.14	2018.05.13
Test Antenna - Horn	9170C-531	BBHA9170	Schwarzbeck	2017.09.13	2018.09.12
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2018.03.03	2019.03.02
Test Antenna - Horn	01774	BBHA 9120D	Schwarzbeck	2017.09.13	2018.09.12
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	2017.05.17	2018.05.16
18-26.5GHz pre-Amplifier	MA03	TS-PR18	Rohde& Schwarz	2017.05.17	2018.05.16
26GHz -40GHz pre-Amplifier	MA05	BBV9721	Rohde& Schwarz	2017.05.17	2018.05.16
Anechoic Chamber	N/A	9m*6m*6m	CRT	2017.11.19	2020.11.18

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