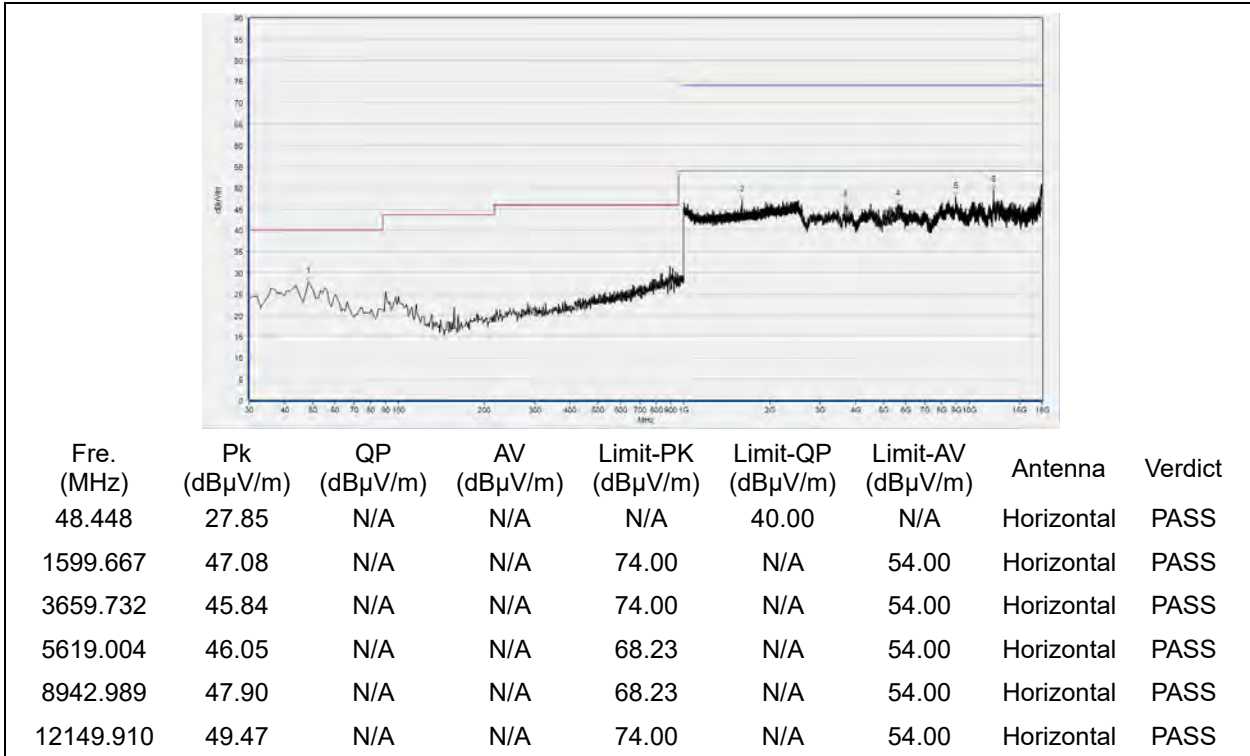
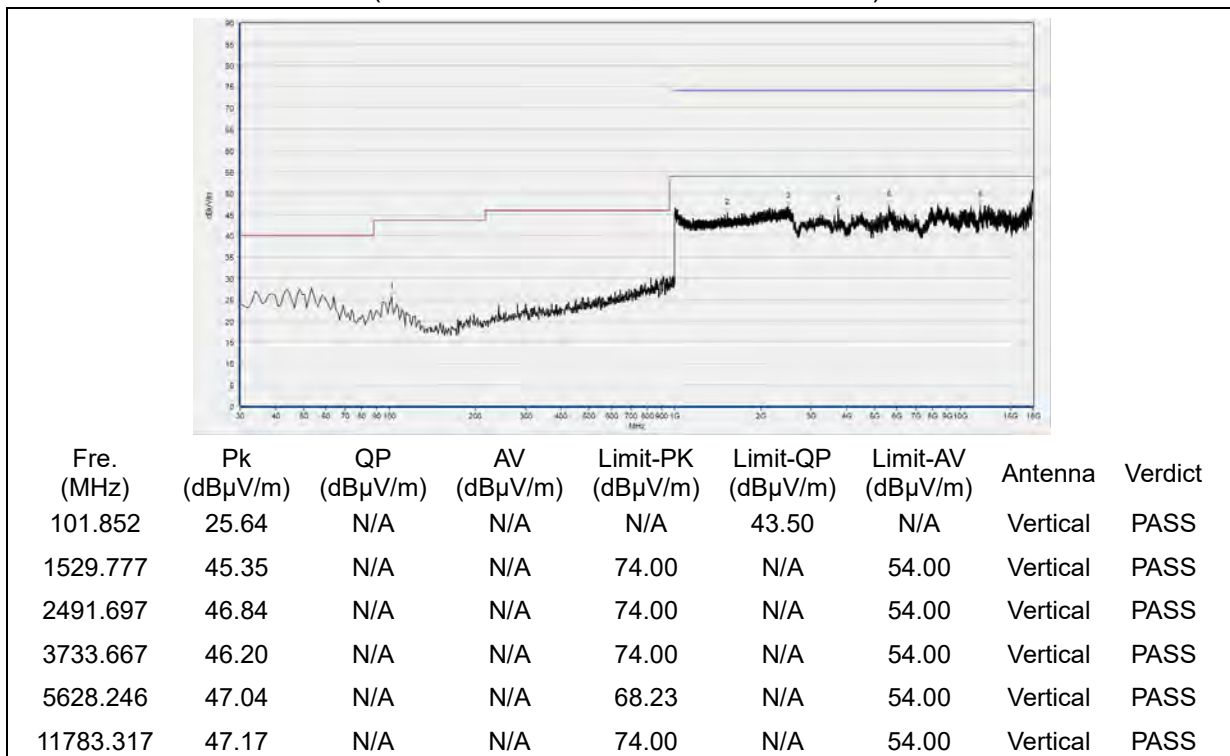


Plots for Channel = 120

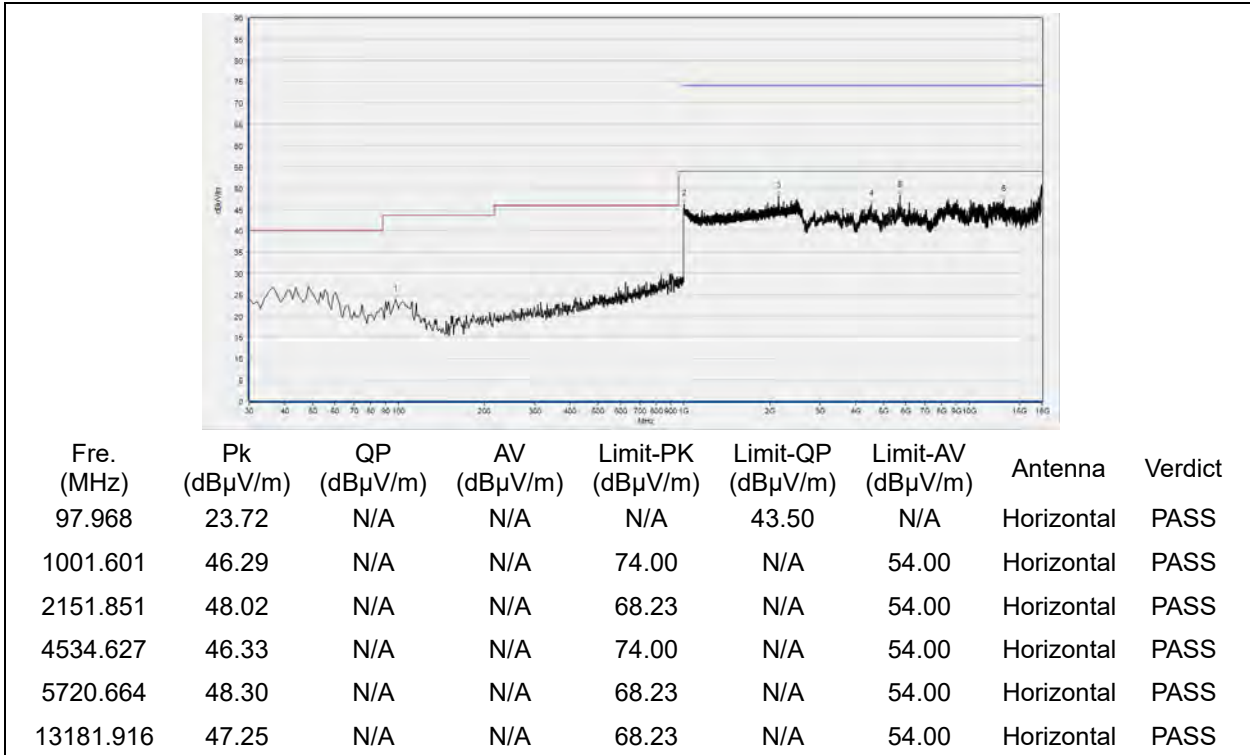


(Antenna Horizontal, 30MHz to 18GHz)

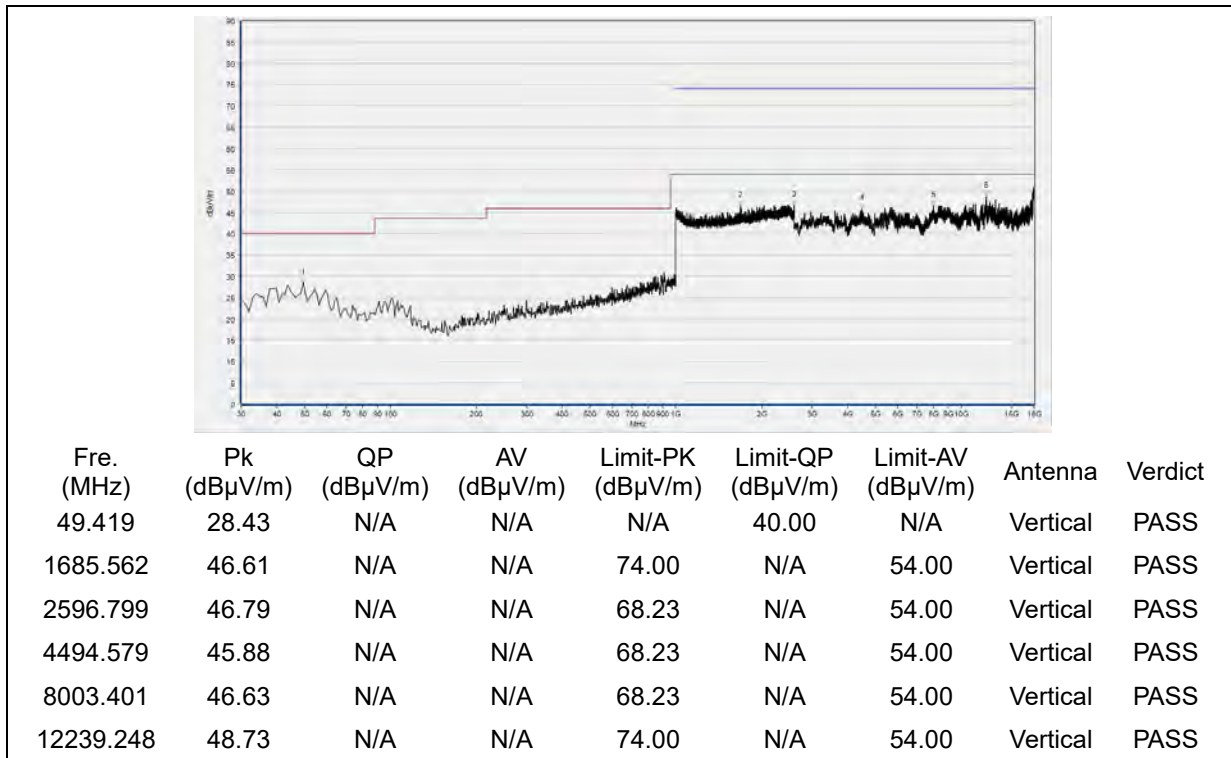


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 144

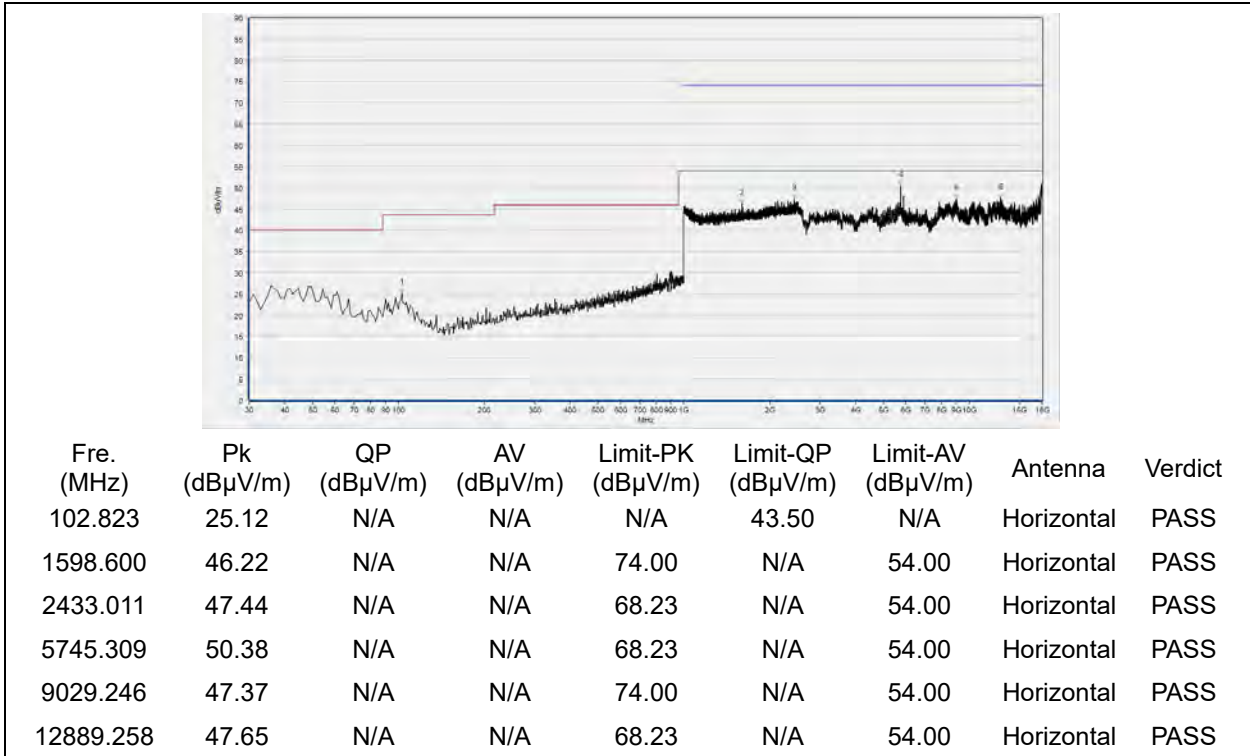


(Antenna Horizontal, 30MHz to 18GHz)

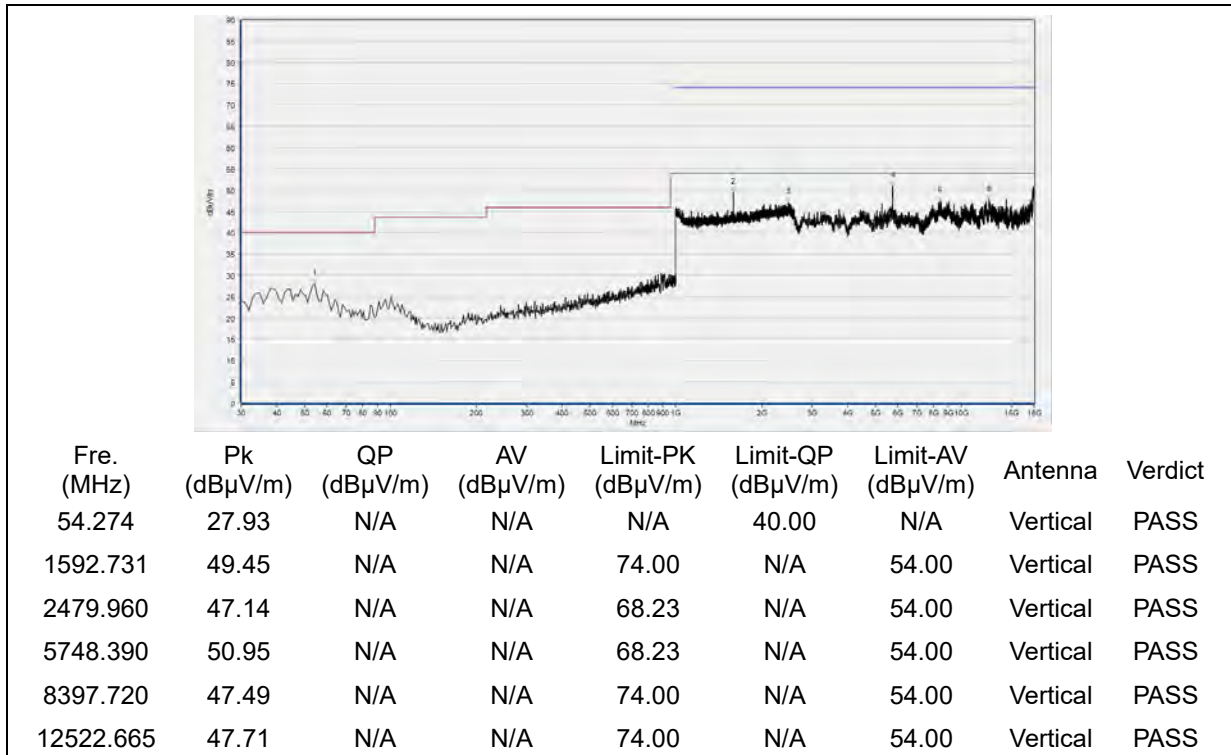


(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 149

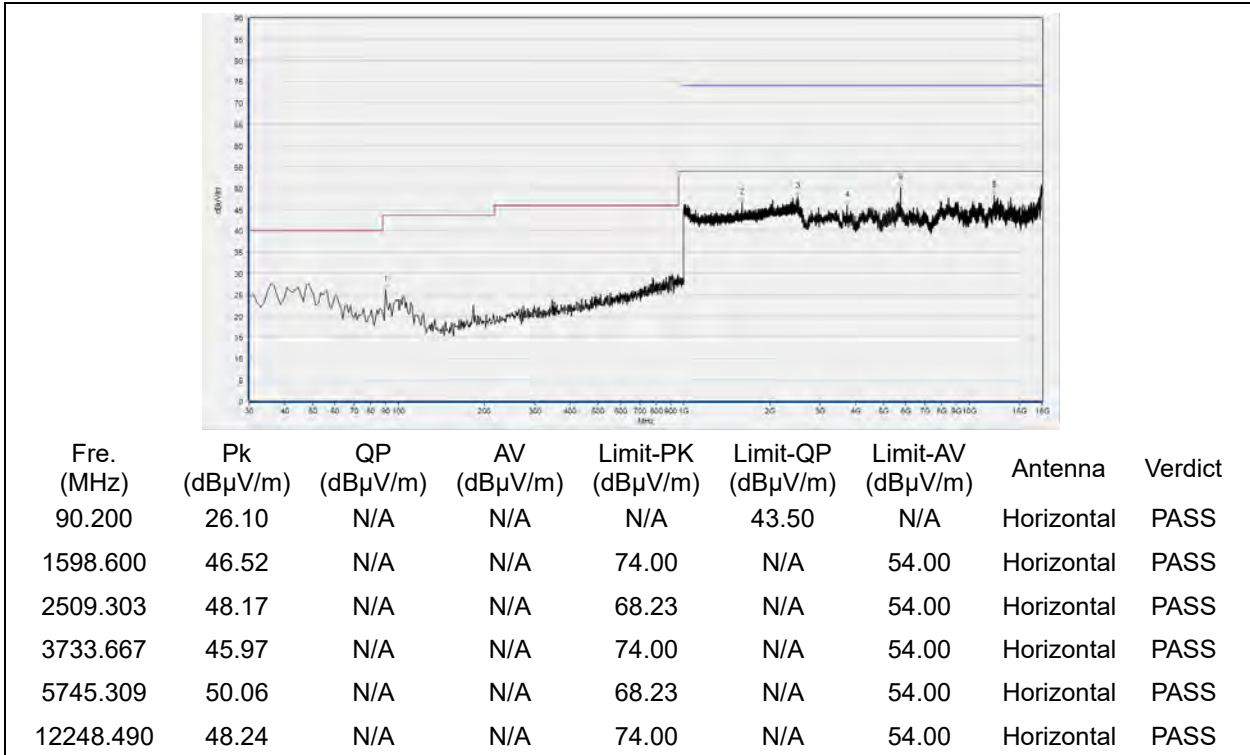


(Antenna Horizontal, 30MHz to 18GHz)

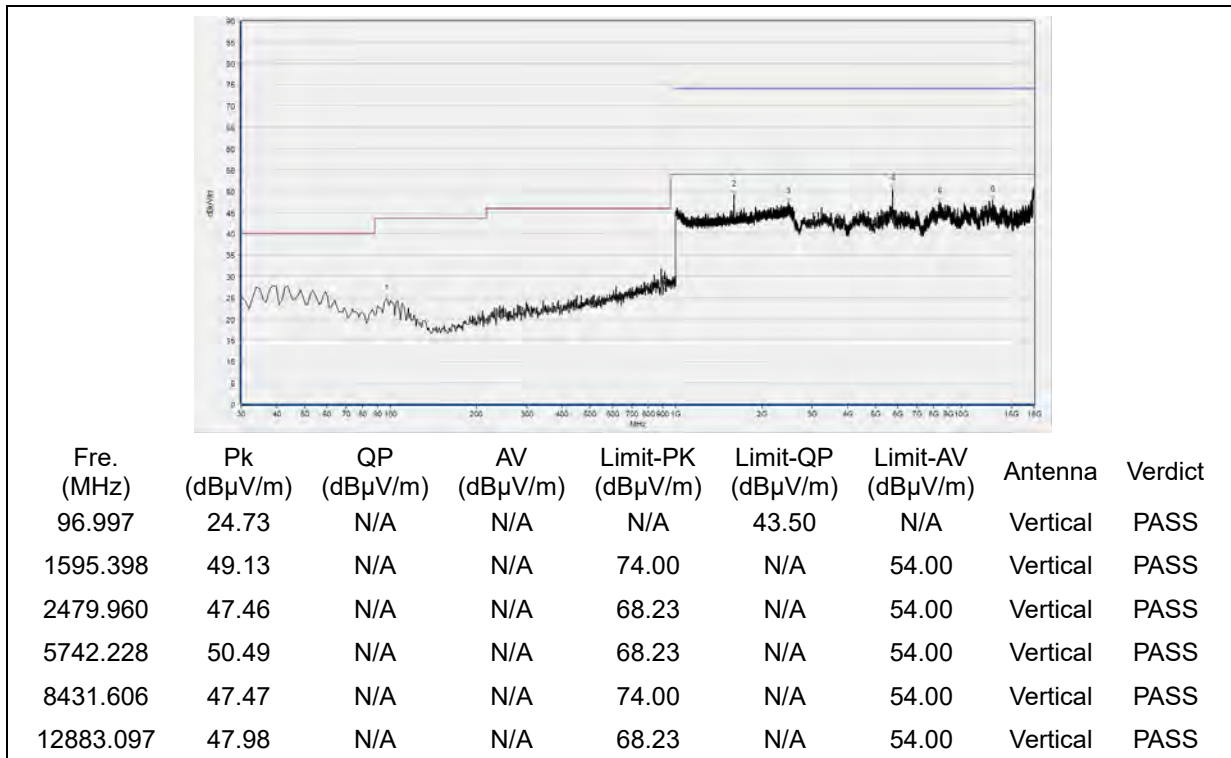


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 157

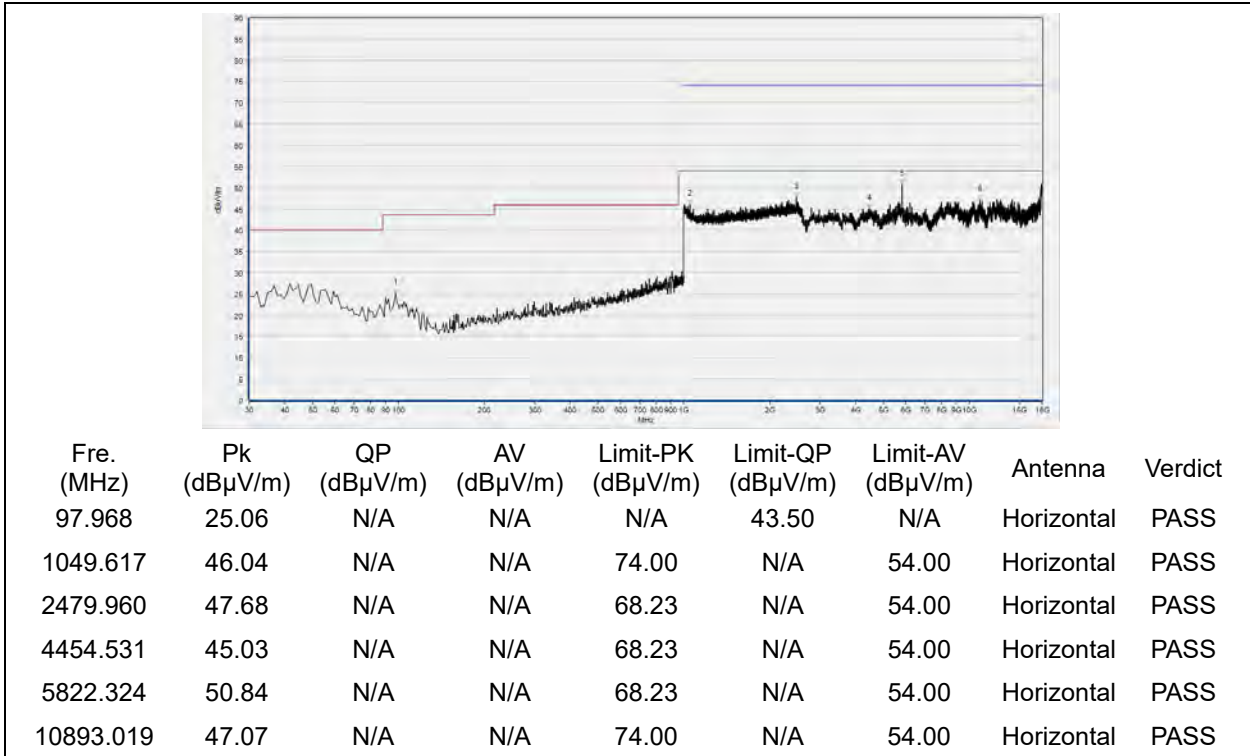


(Antenna Horizontal, 30MHz to 18GHz)

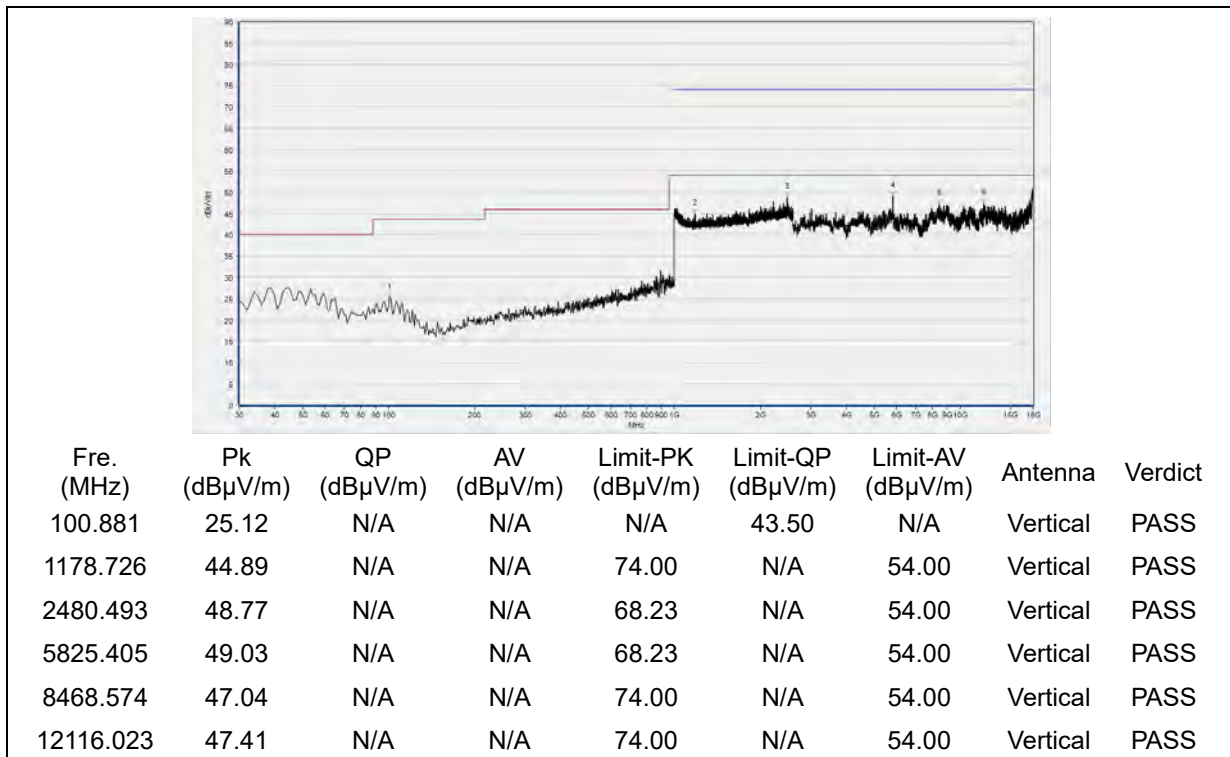


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 165



(Antenna Horizontal, 30MHz to 18GHz)

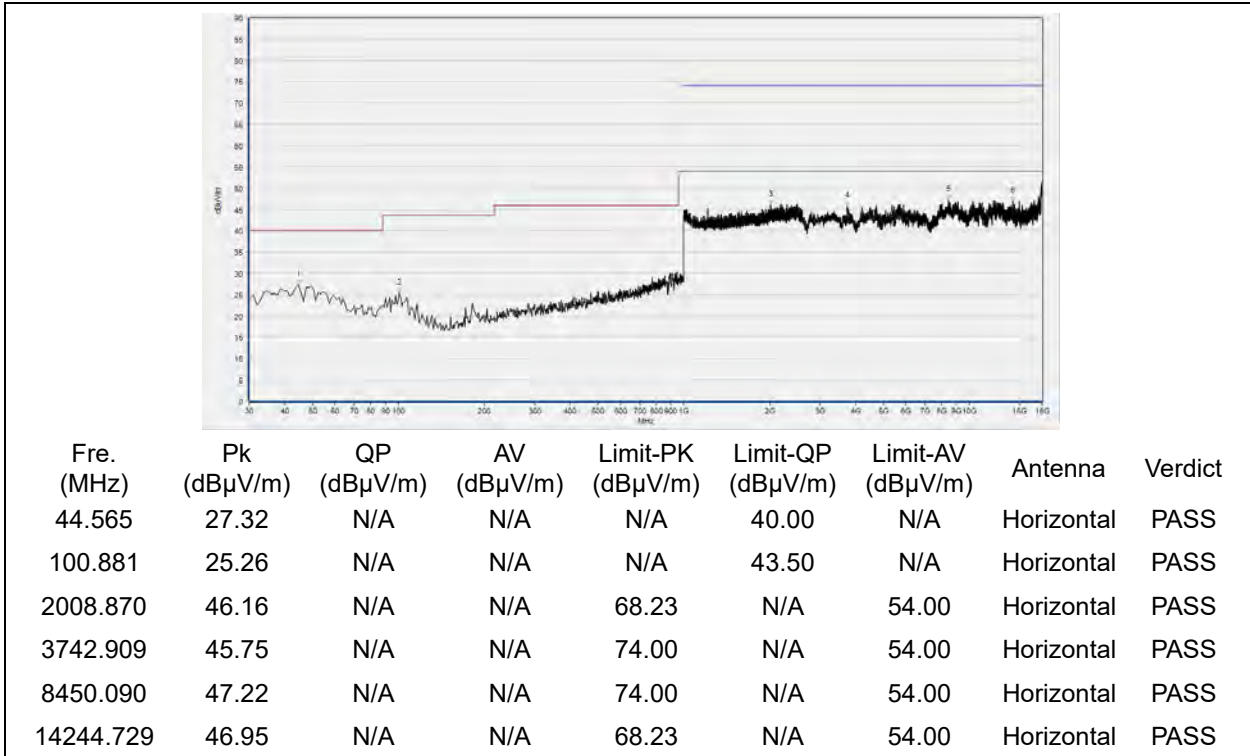


(Antenna Vertical, 30MHz to 18GHz)

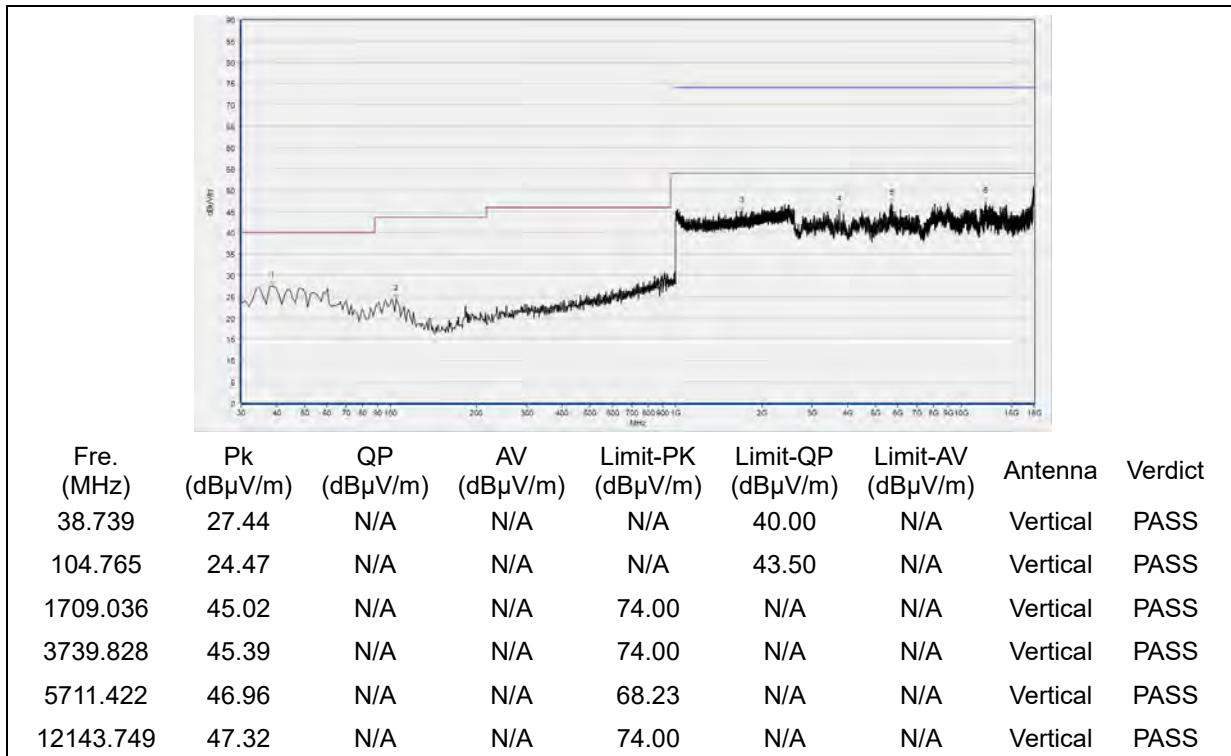


802.11n (HT20) Test mode

Plots for Channel = 36

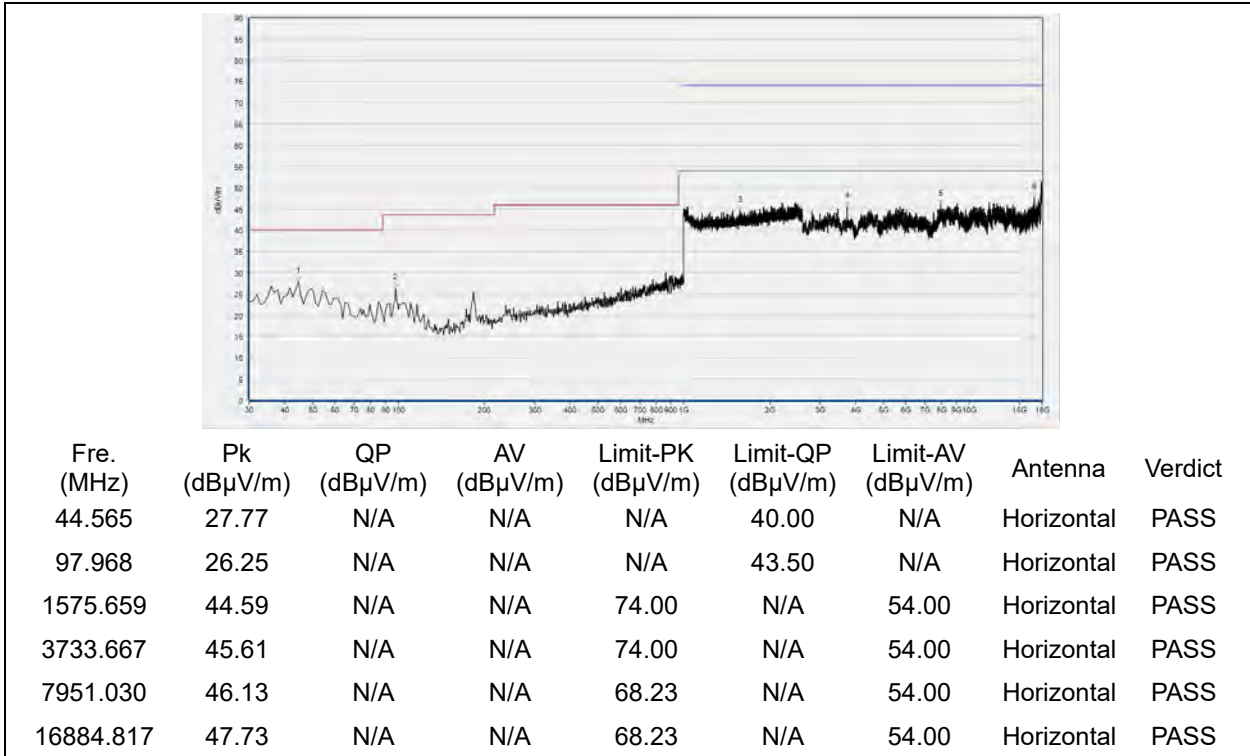


(Antenna Horizontal, 30MHz to 18GHz)

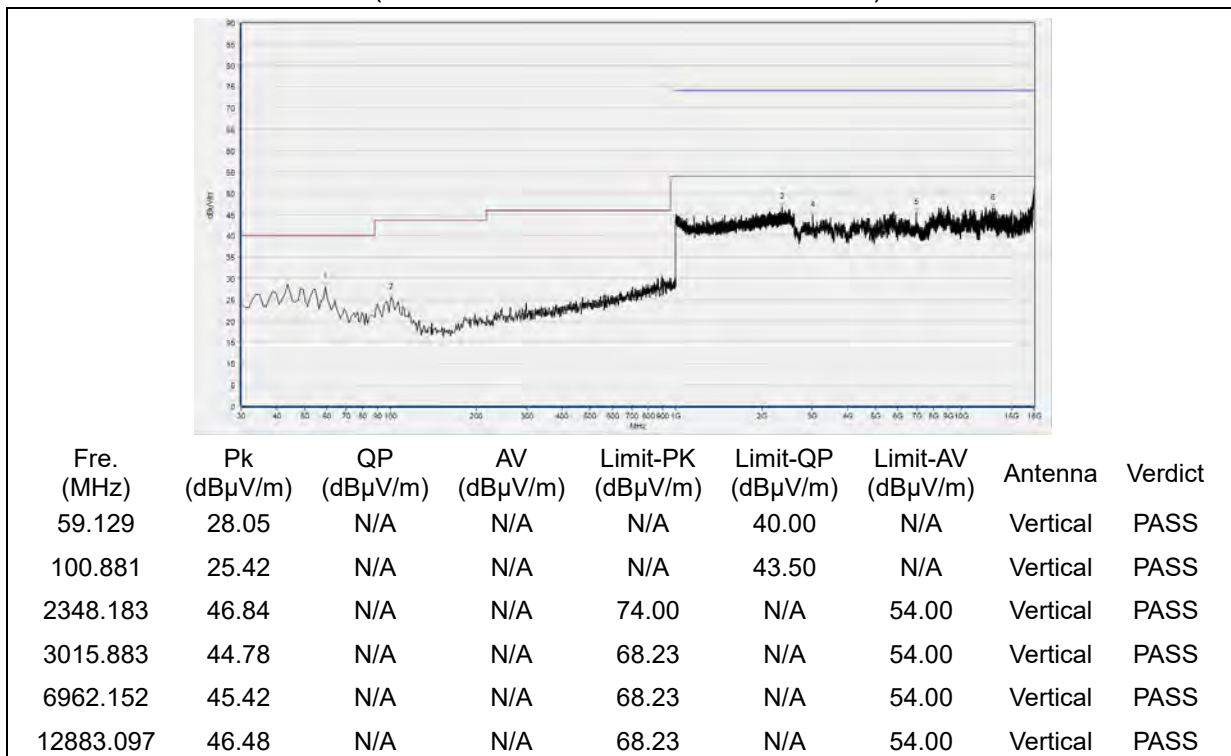


(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 44

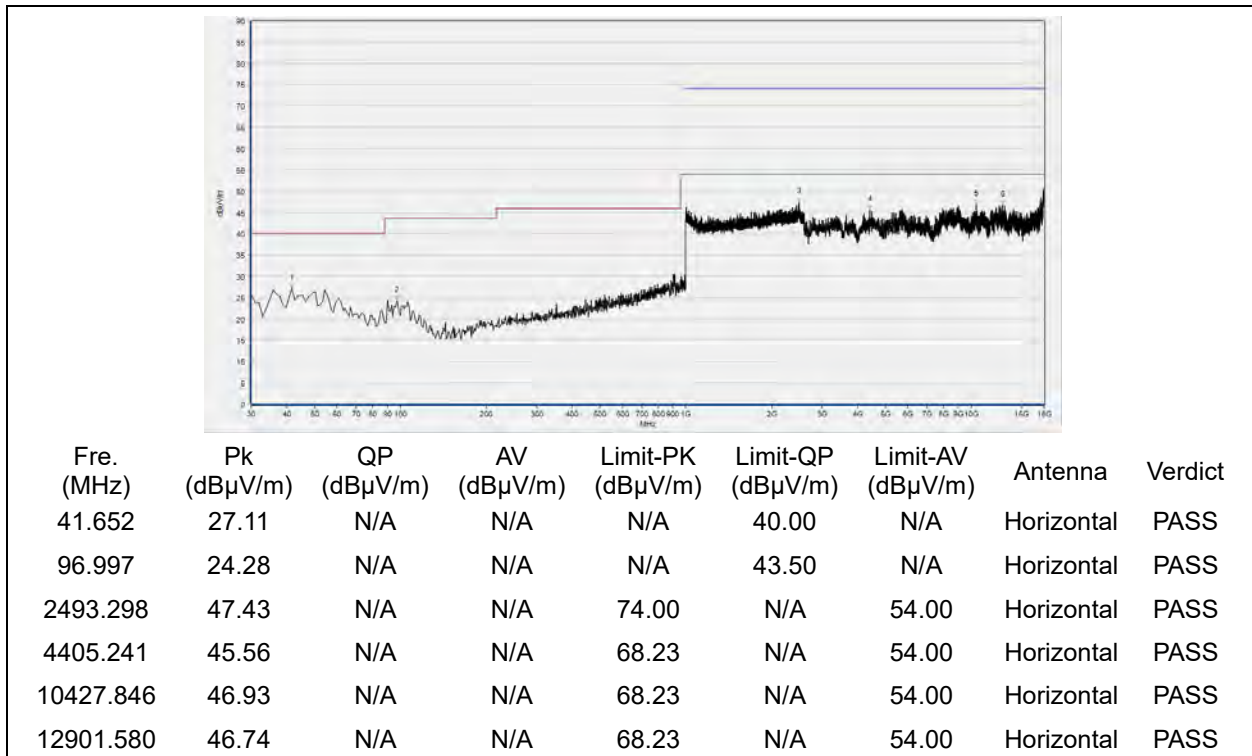


(Antenna Horizontal, 30MHz to 18GHz)

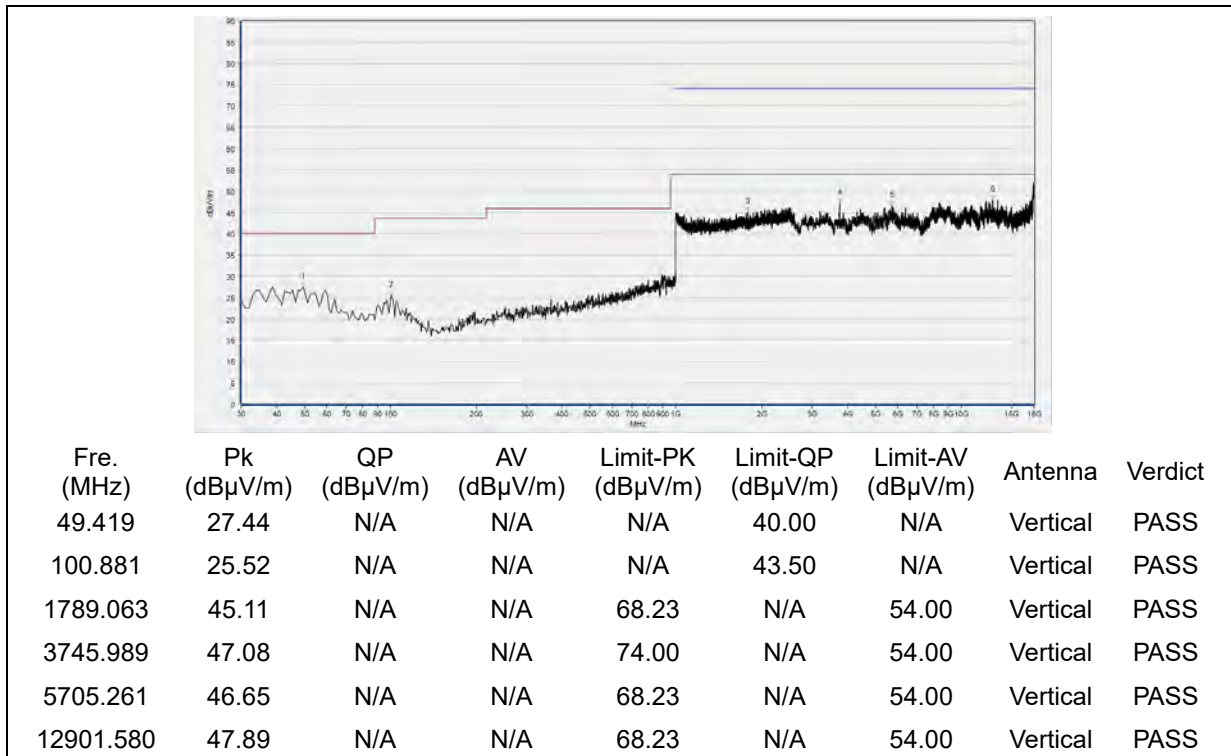


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 48

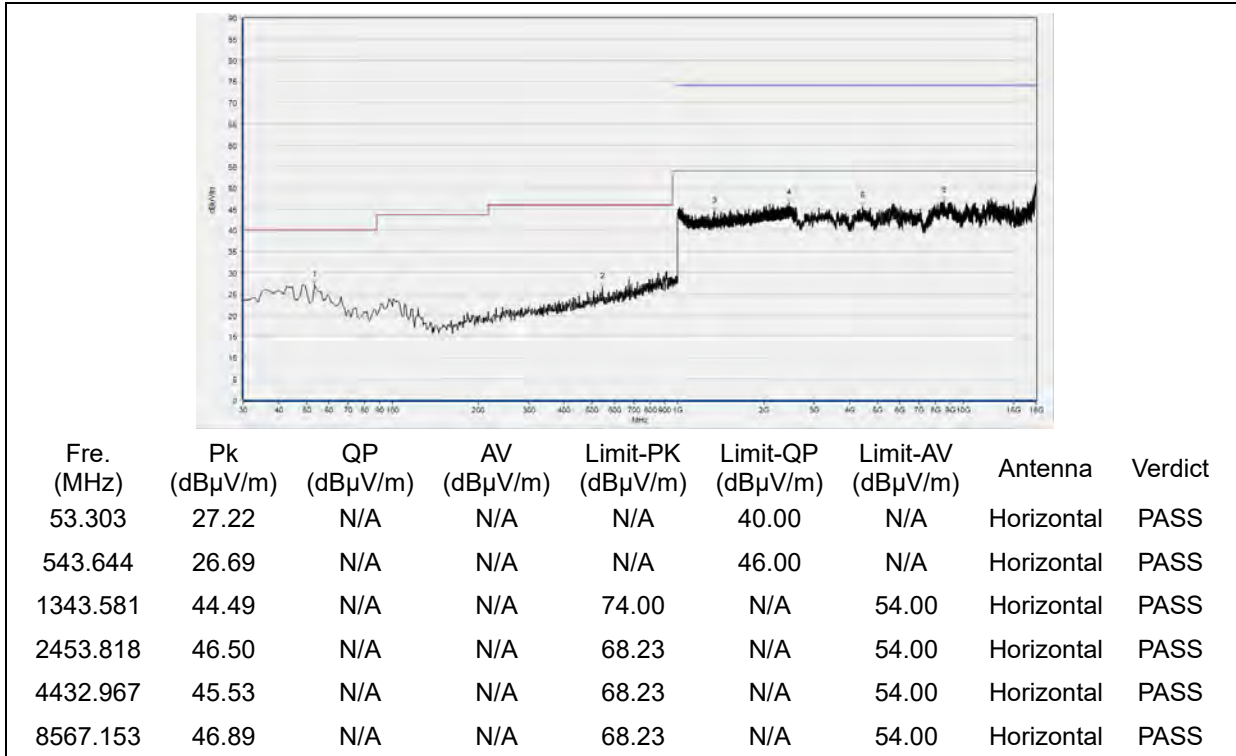


(Antenna Horizontal, 30MHz to 18GHz)

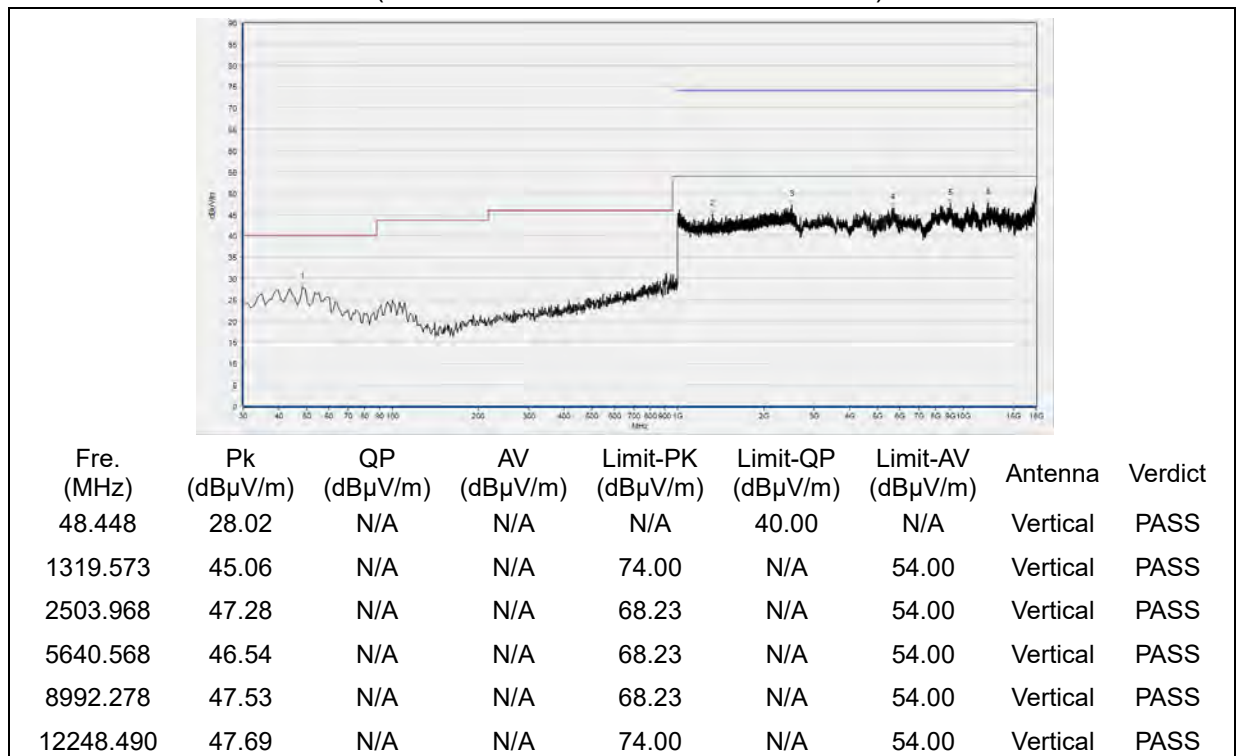


(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 52

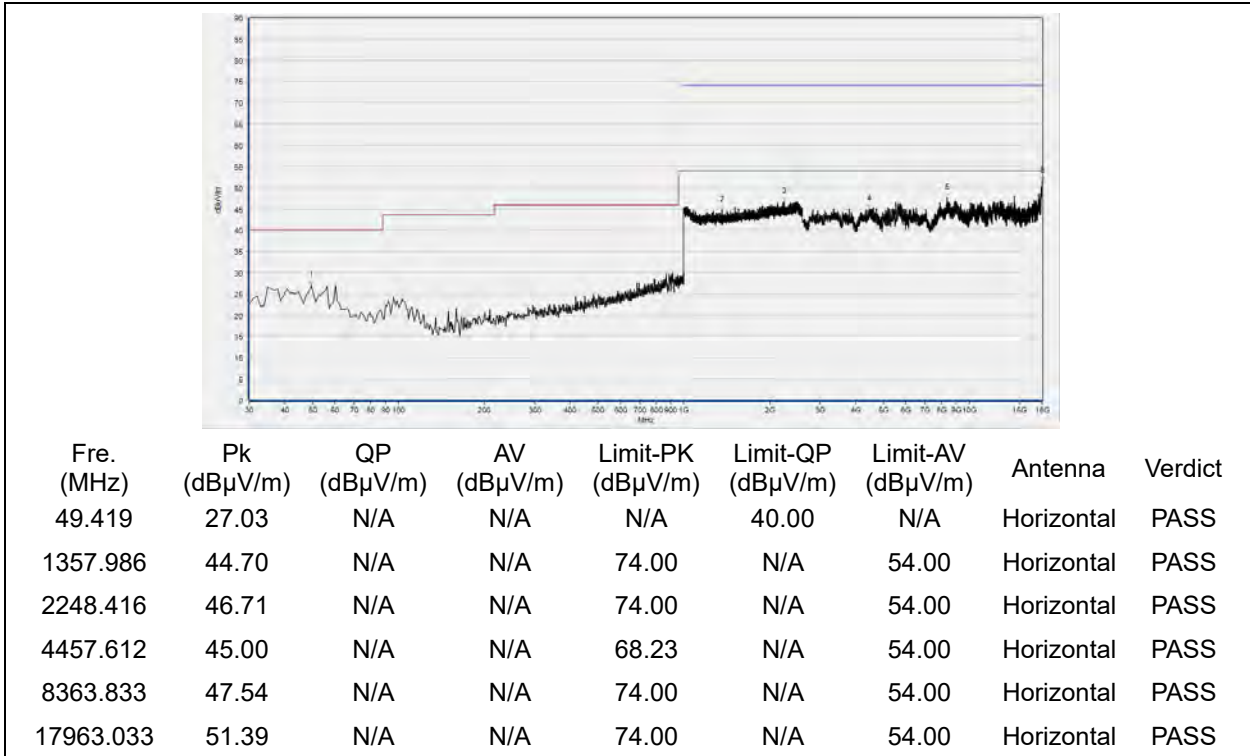


(Antenna Horizontal, 30MHz to 18GHz)

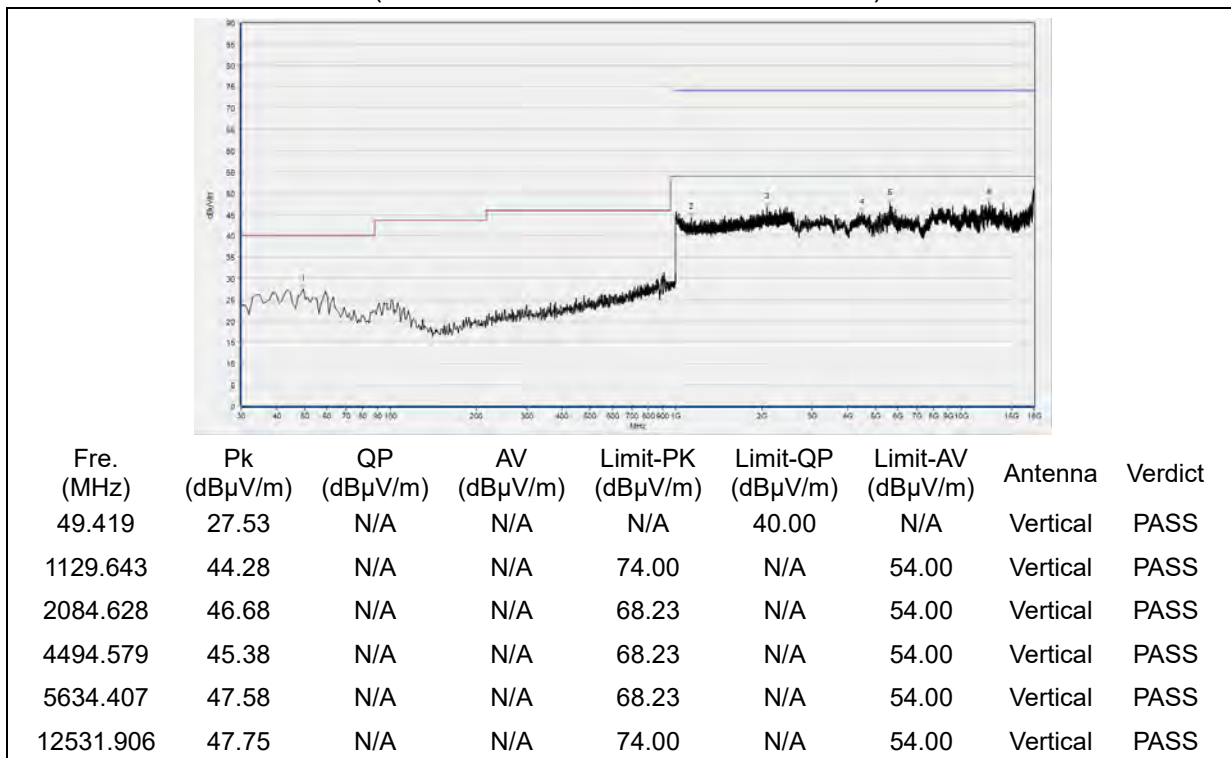


(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 60

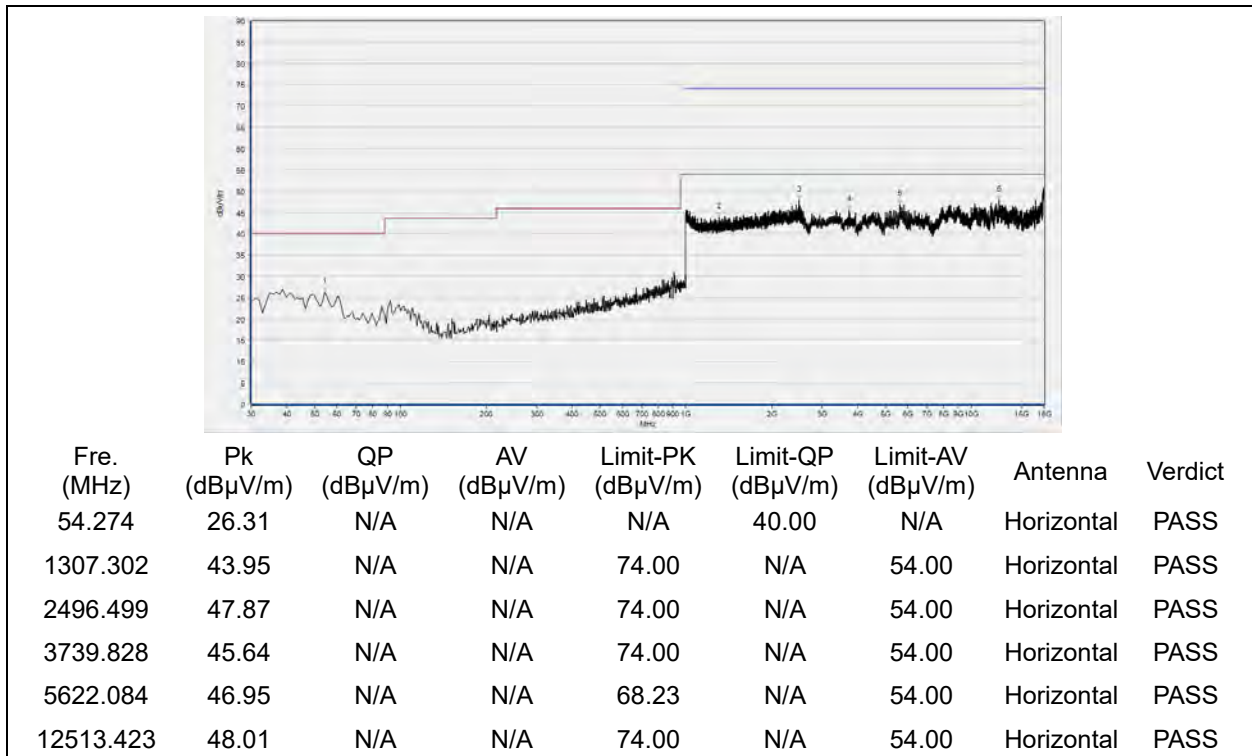


(Antenna Horizontal, 30MHz to 18GHz)

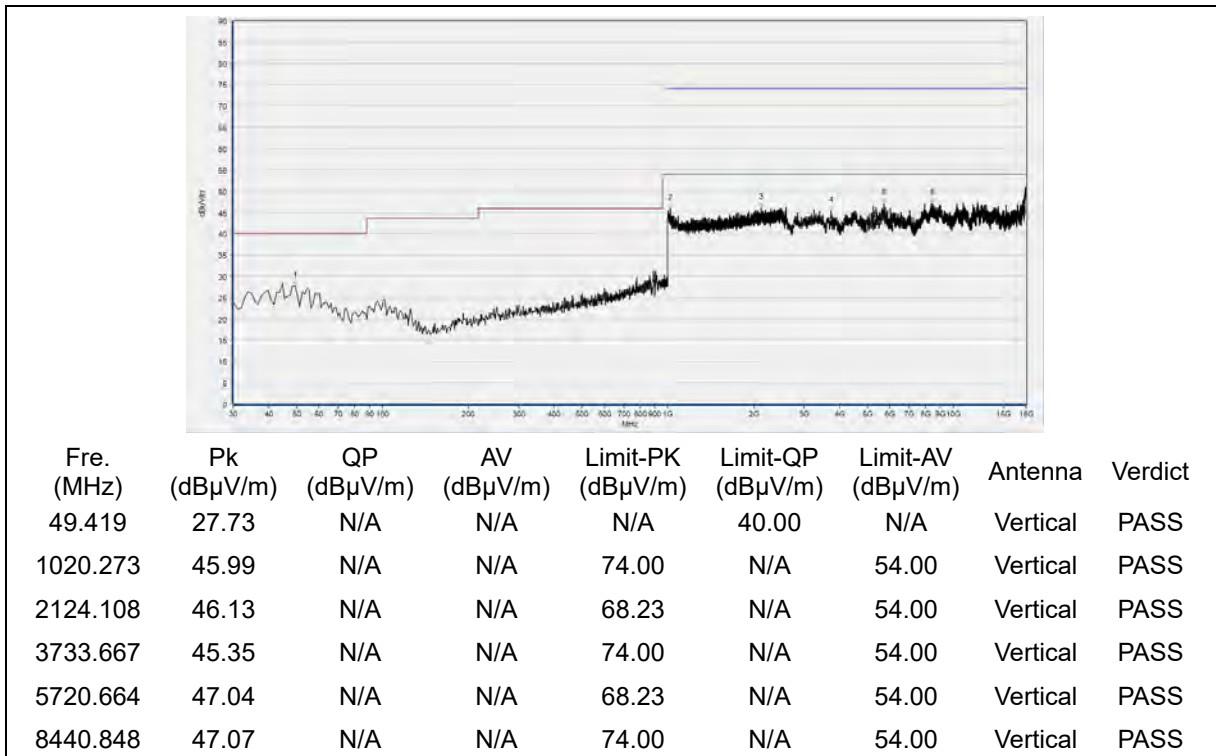


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 64

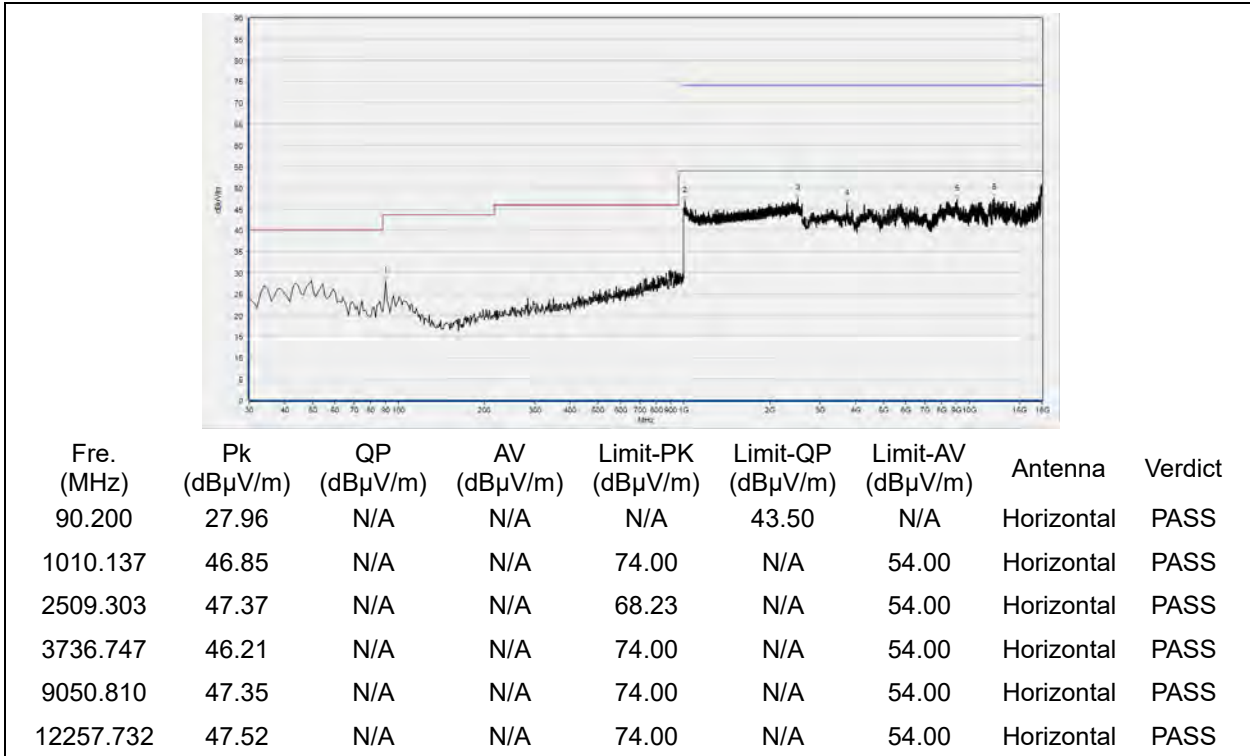


(Antenna Horizontal, 30MHz to 18GHz)

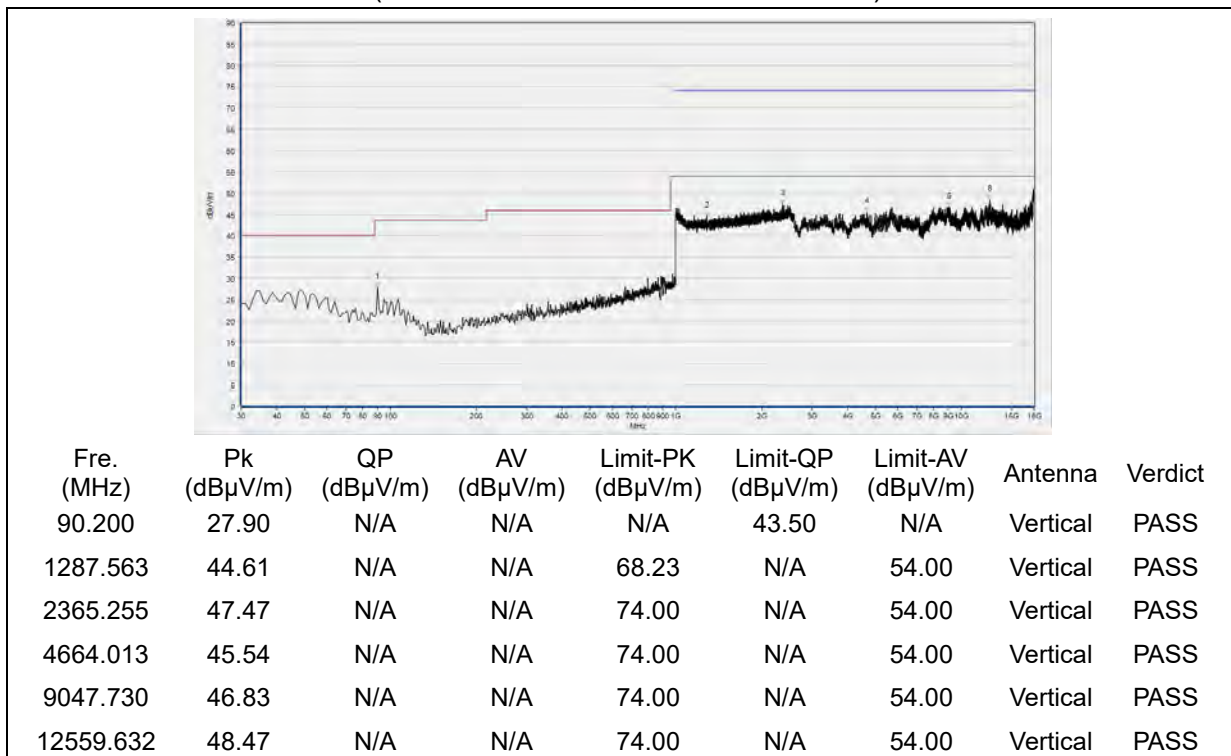


(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 100

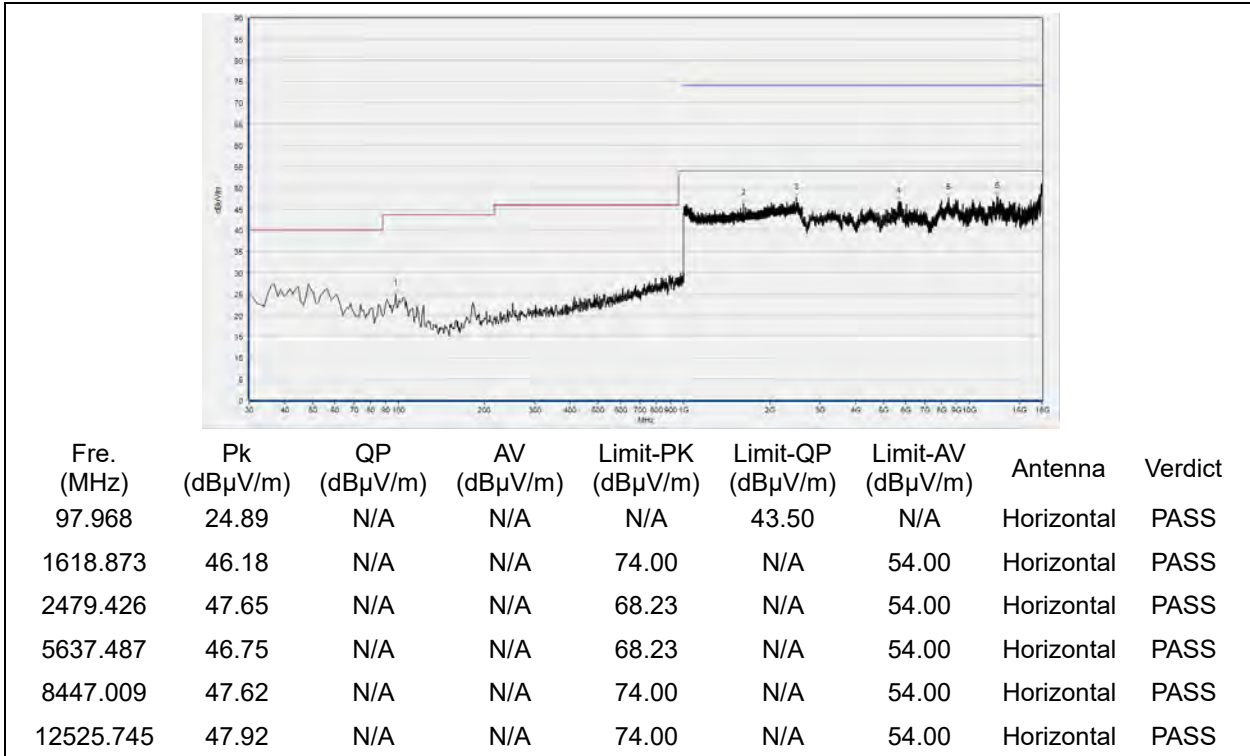


(Antenna Horizontal, 30MHz to 18GHz)

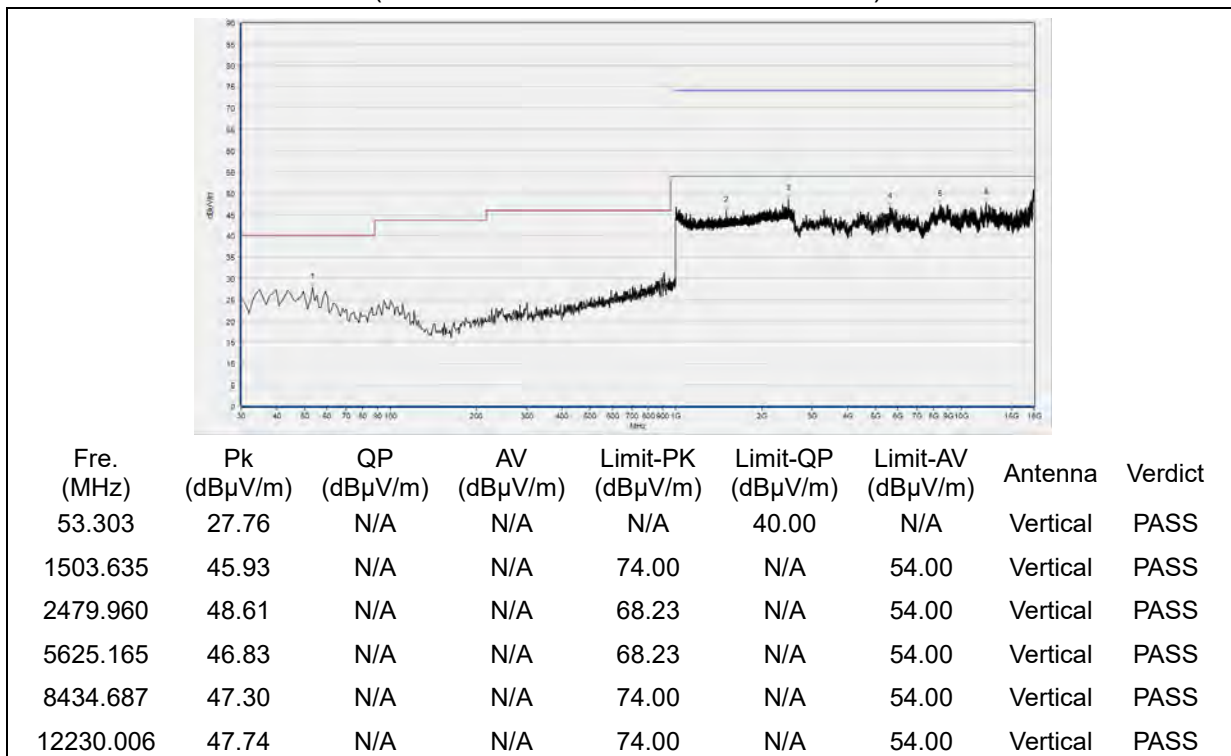


(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 120

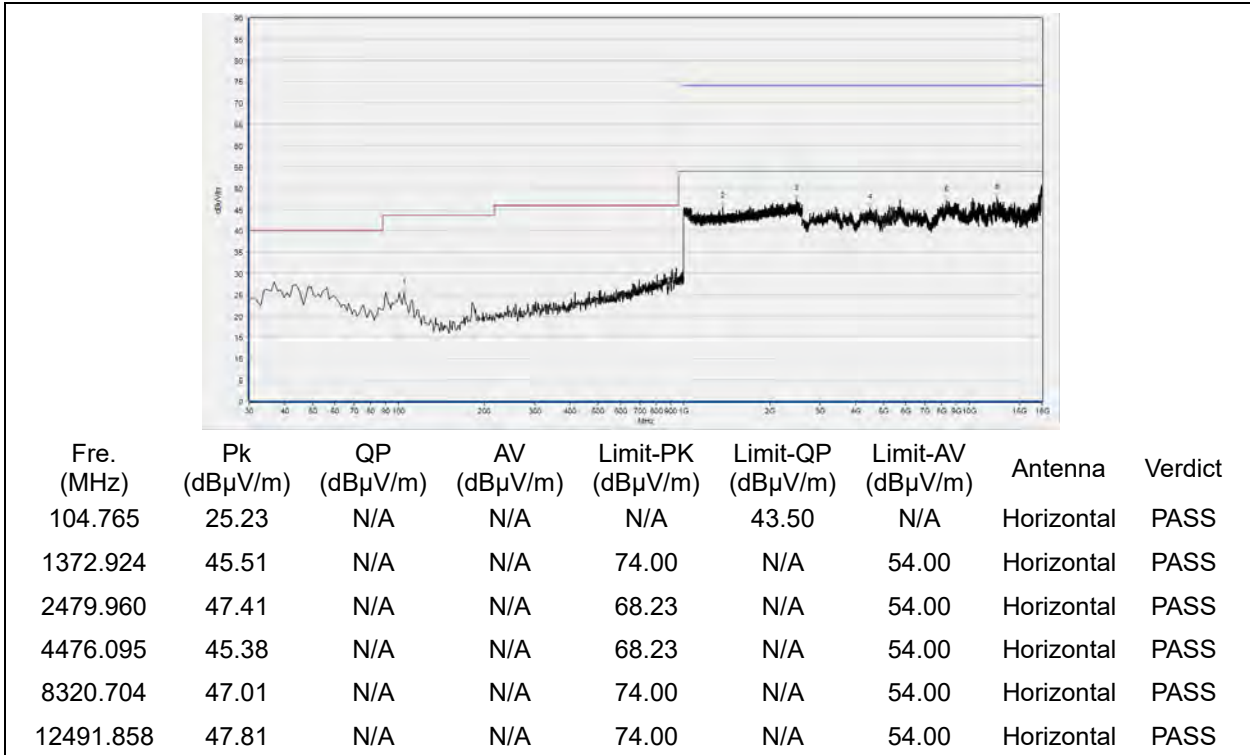


(Antenna Horizontal, 30MHz to 18GHz)

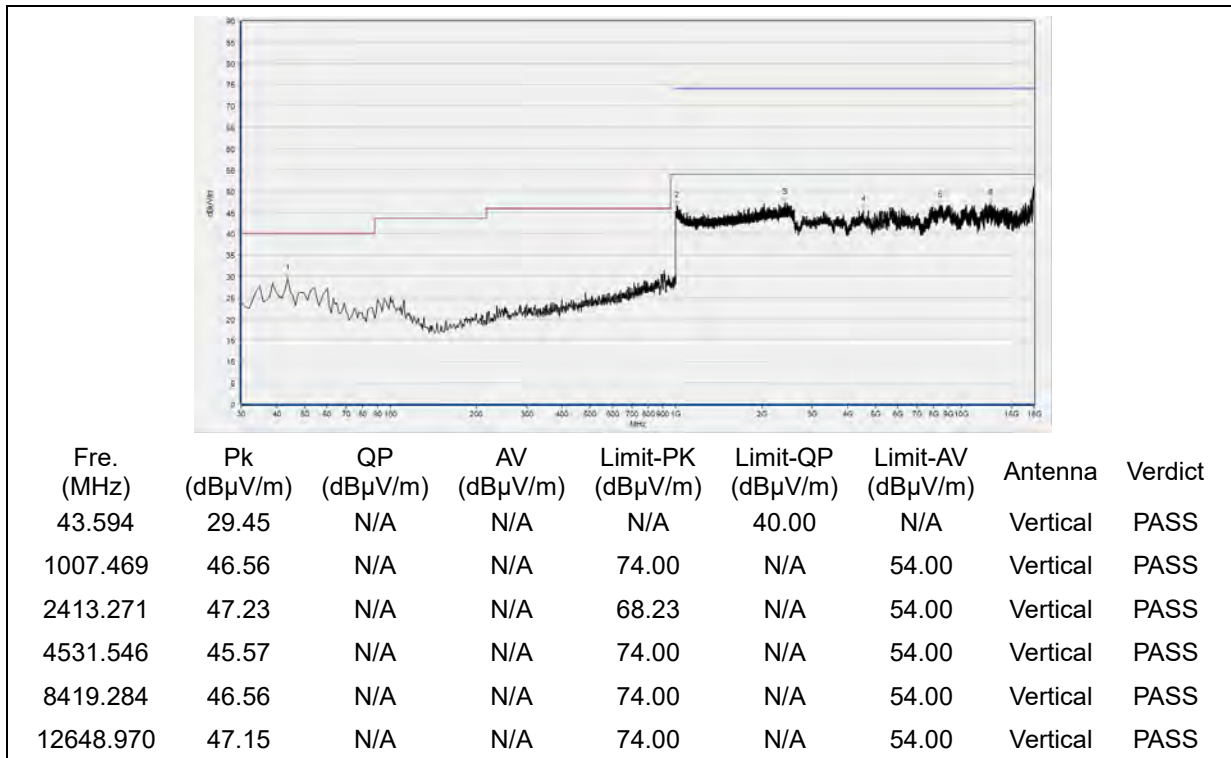


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 144

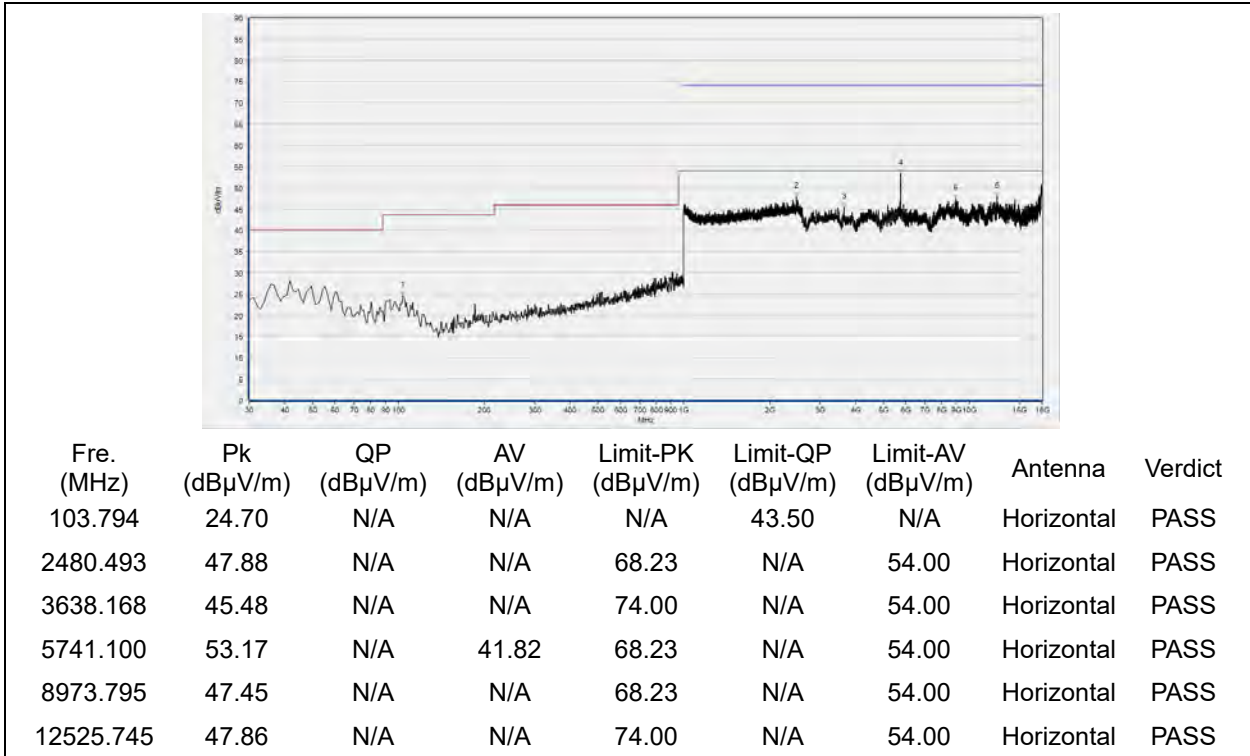


(Antenna Horizontal, 30MHz to 18GHz)

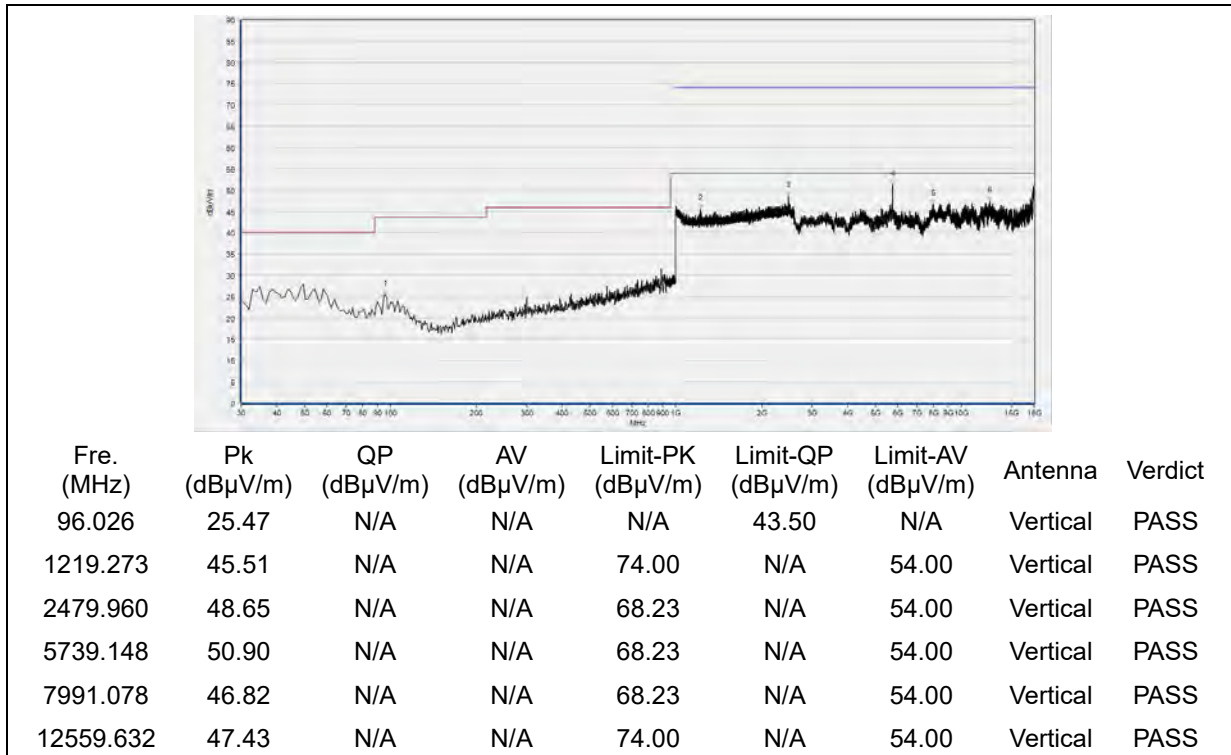


(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 149

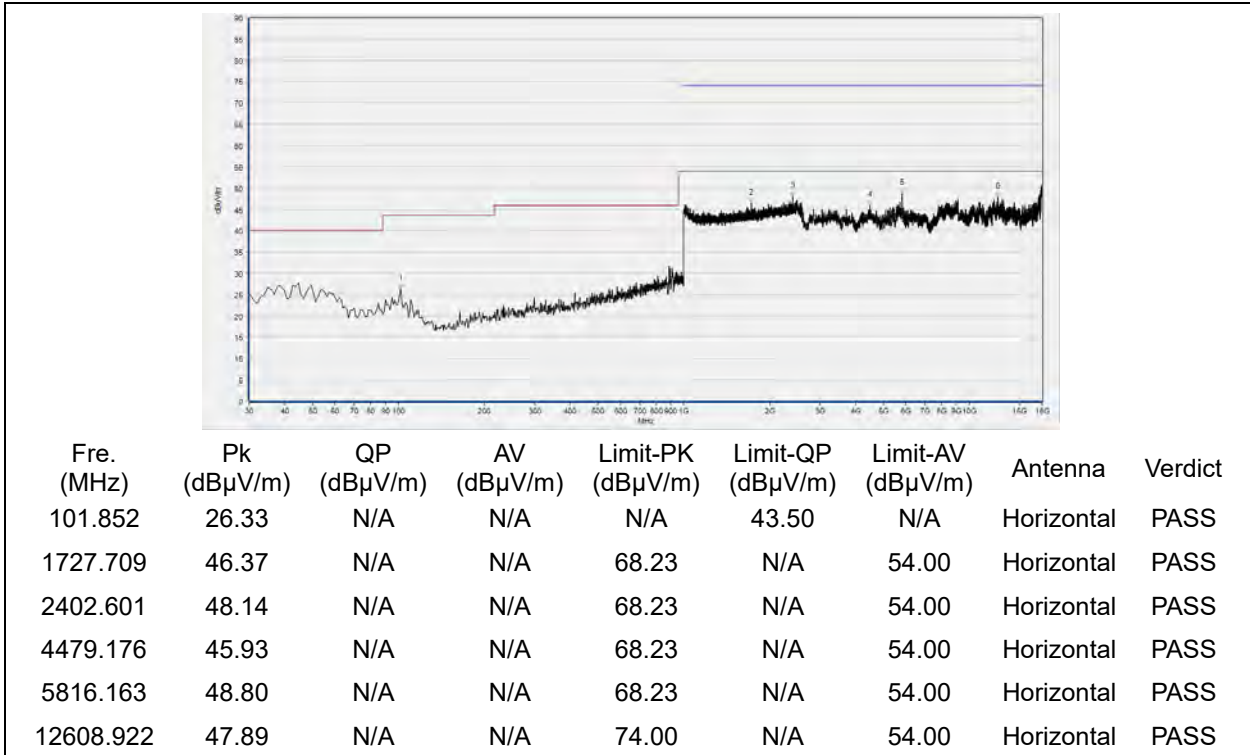


(Antenna Horizontal, 30MHz to 18GHz)

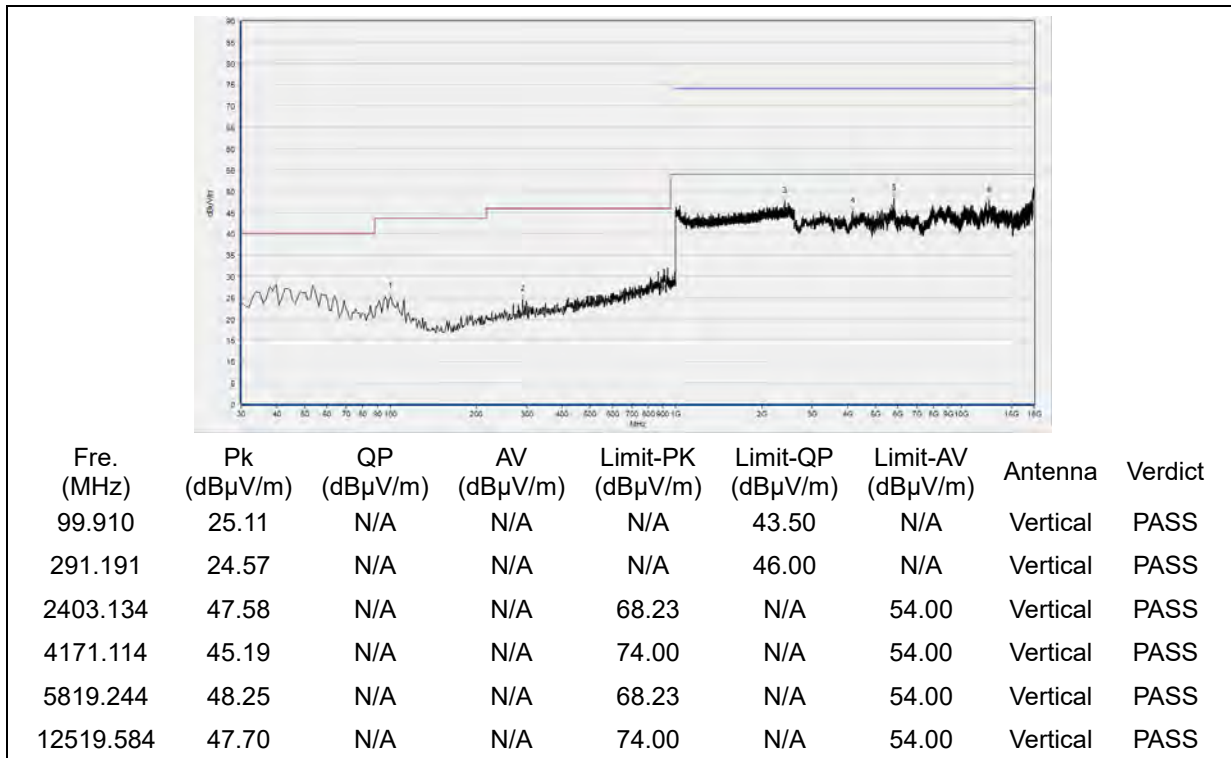


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 157

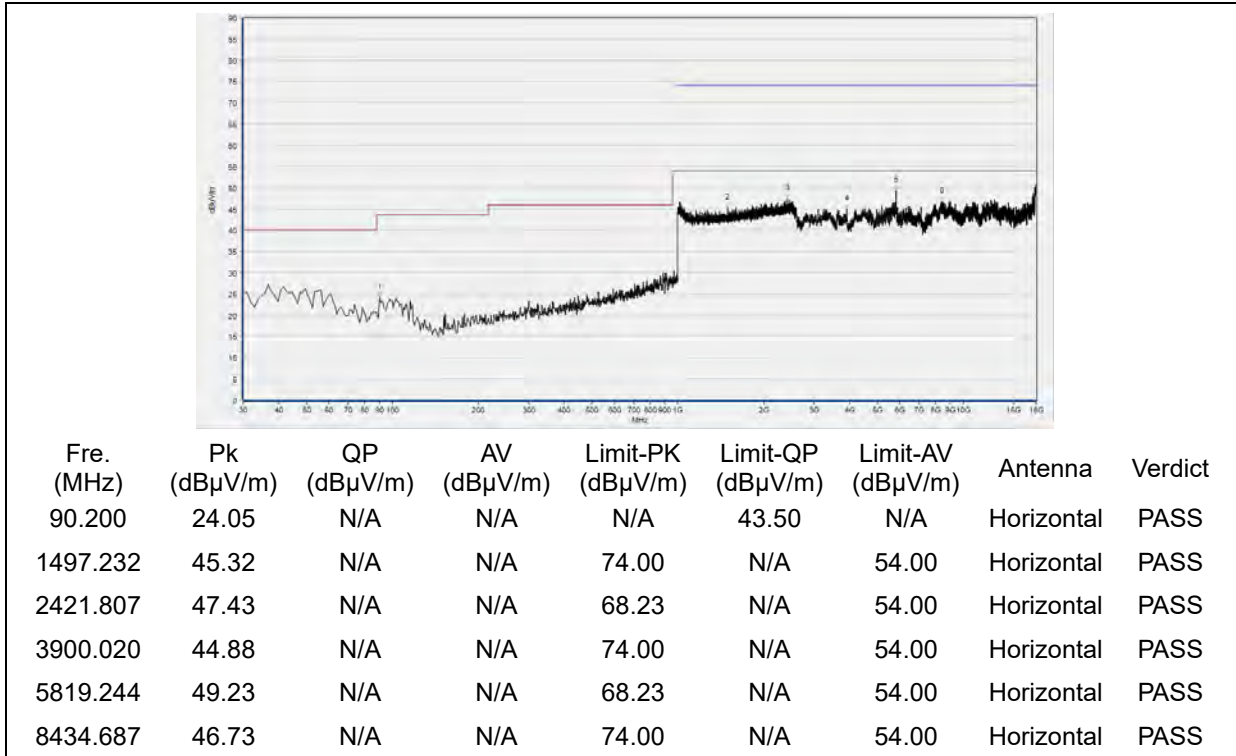


(Antenna Horizontal, 30MHz to 18GHz)

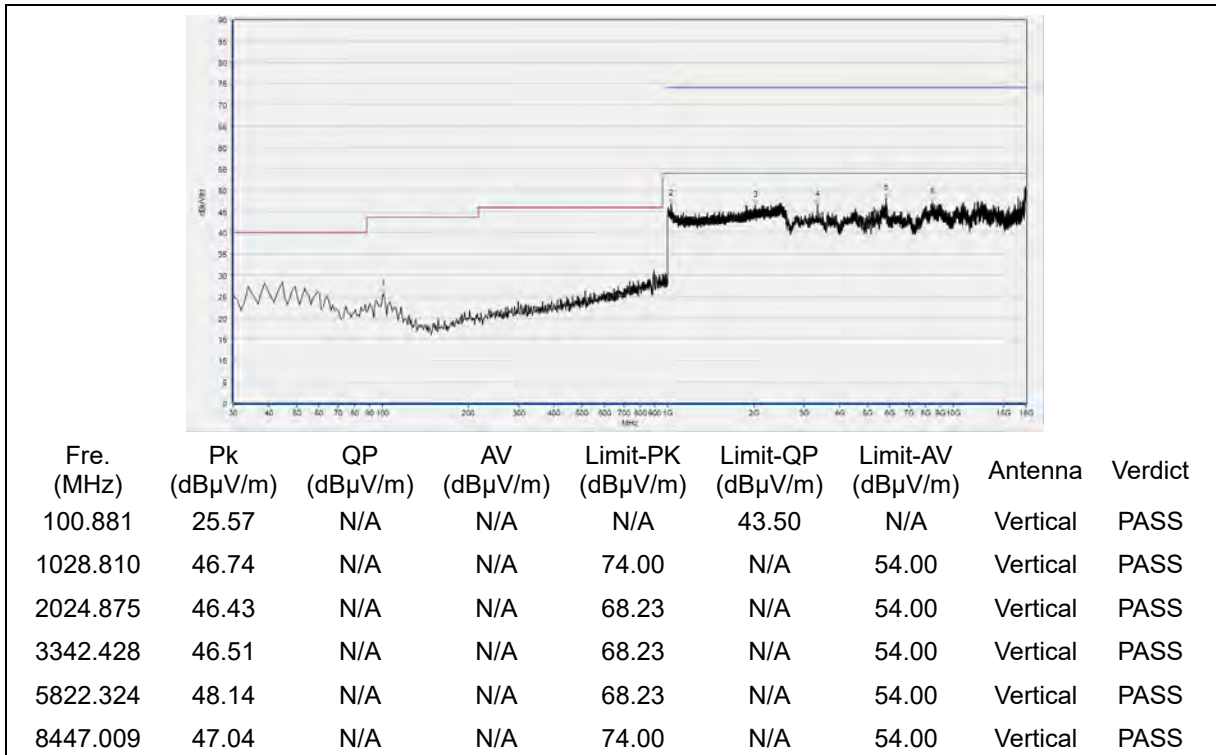


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 165



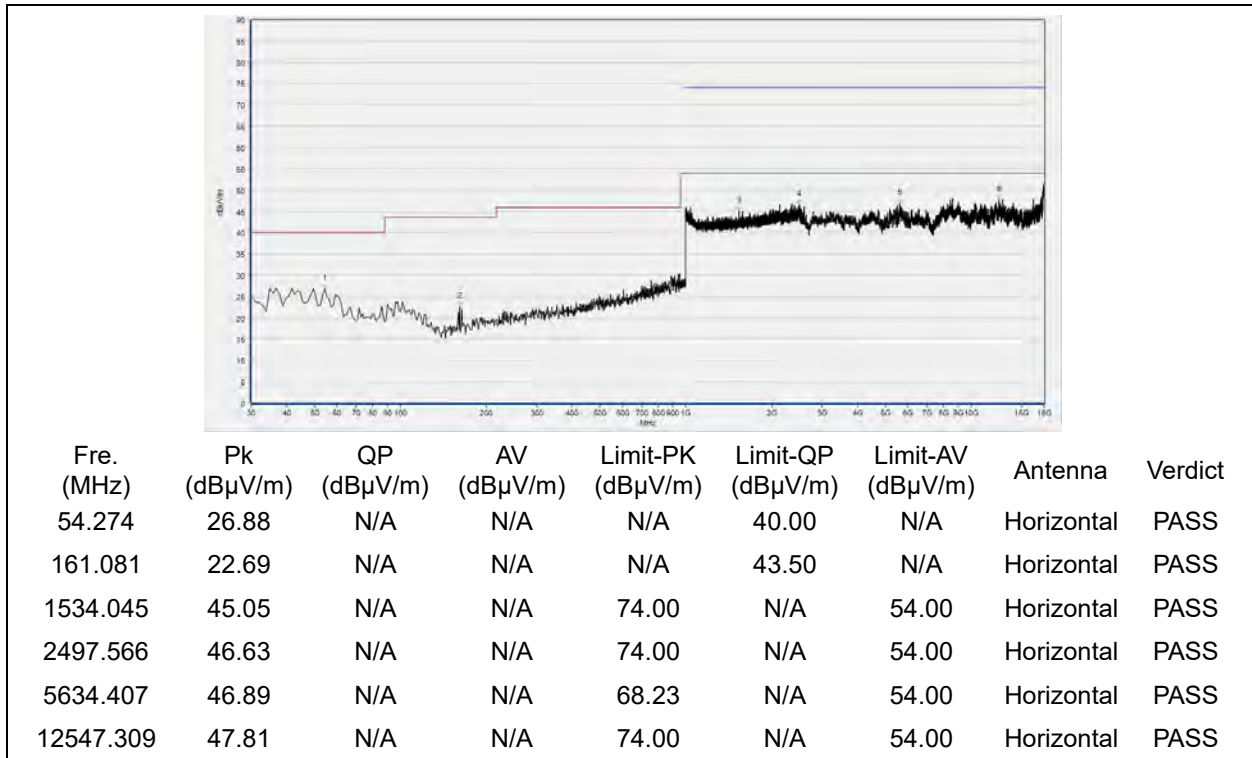
(Antenna Horizontal, 30MHz to 18GHz)



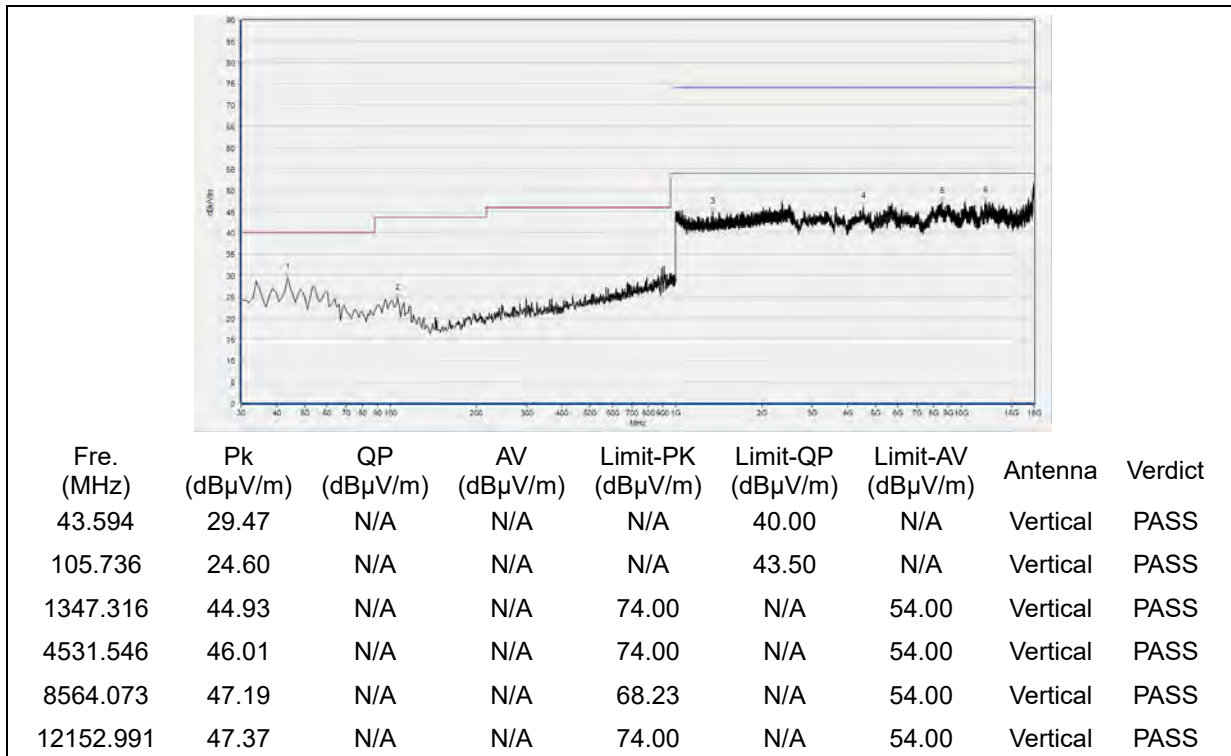
(Antenna Vertical, 30MHz to 18GHz)

802.11n (HT40) Test mode

Plots for Channel = 38

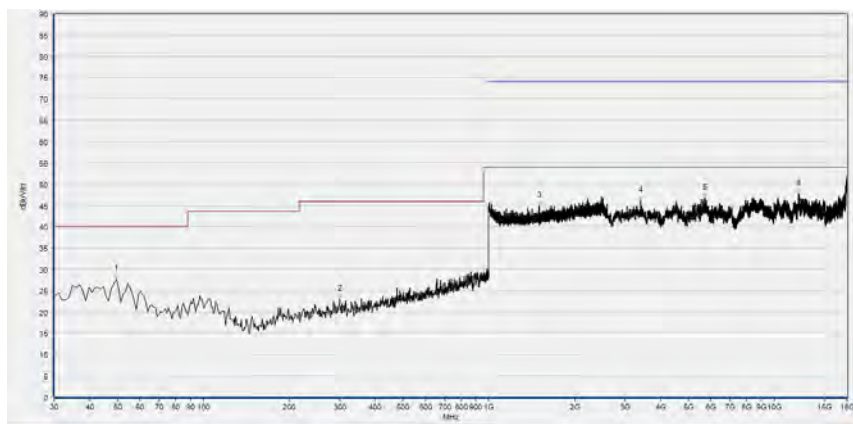


(Antenna Horizontal, 30MHz to 18GHz)



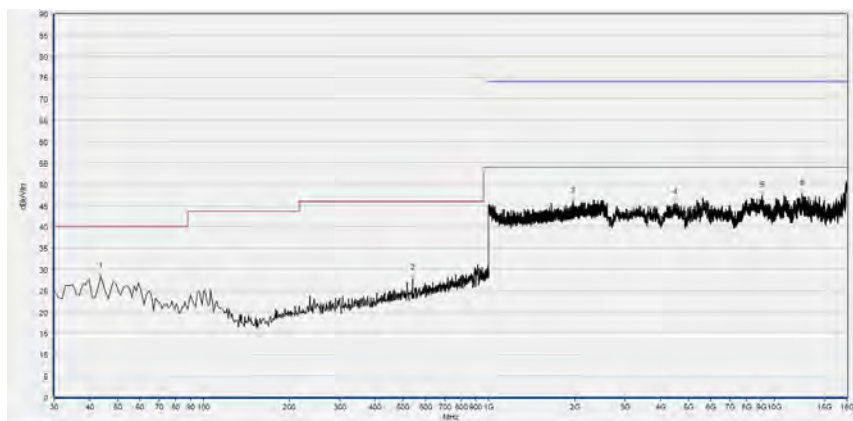
(Antenna Vertical, 30MHz to 18GHz)

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
49.419	27.68	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
299.930	22.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1505.769	44.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3407.121	46.02	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5711.422	46.73	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12189.958	47.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

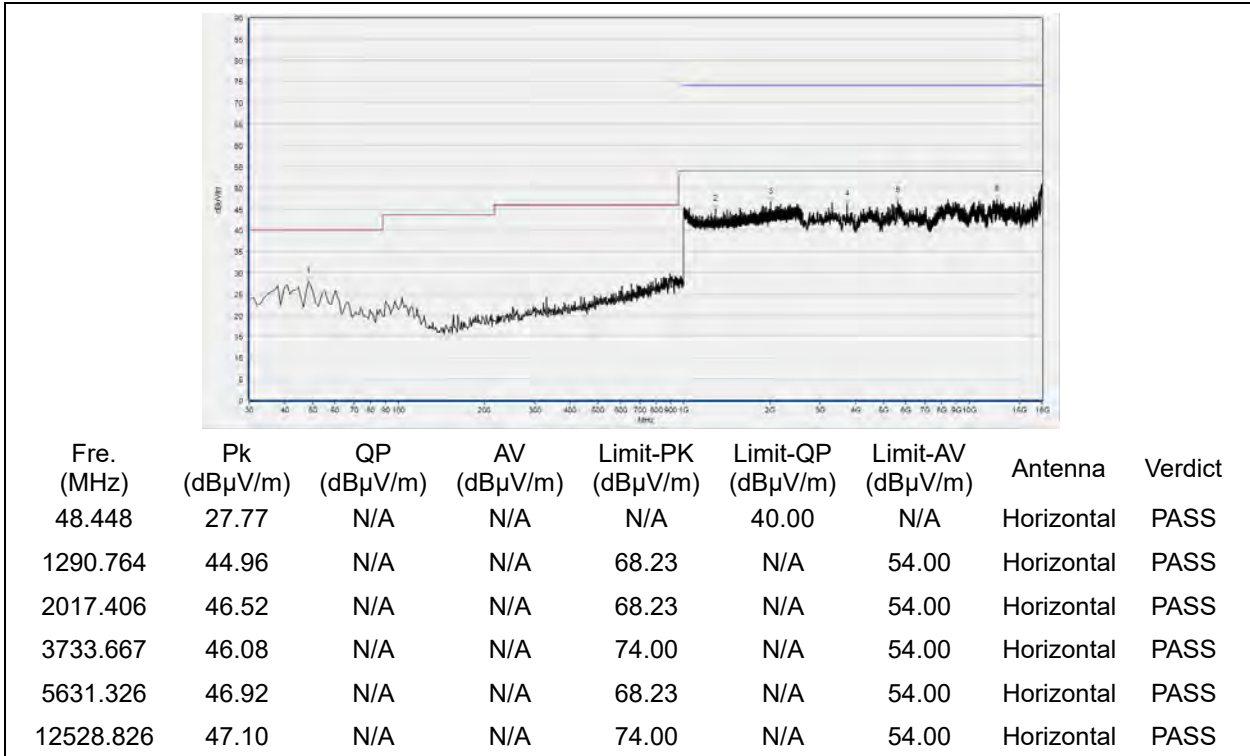
(Antenna Horizontal, 30MHz to 18GHz)



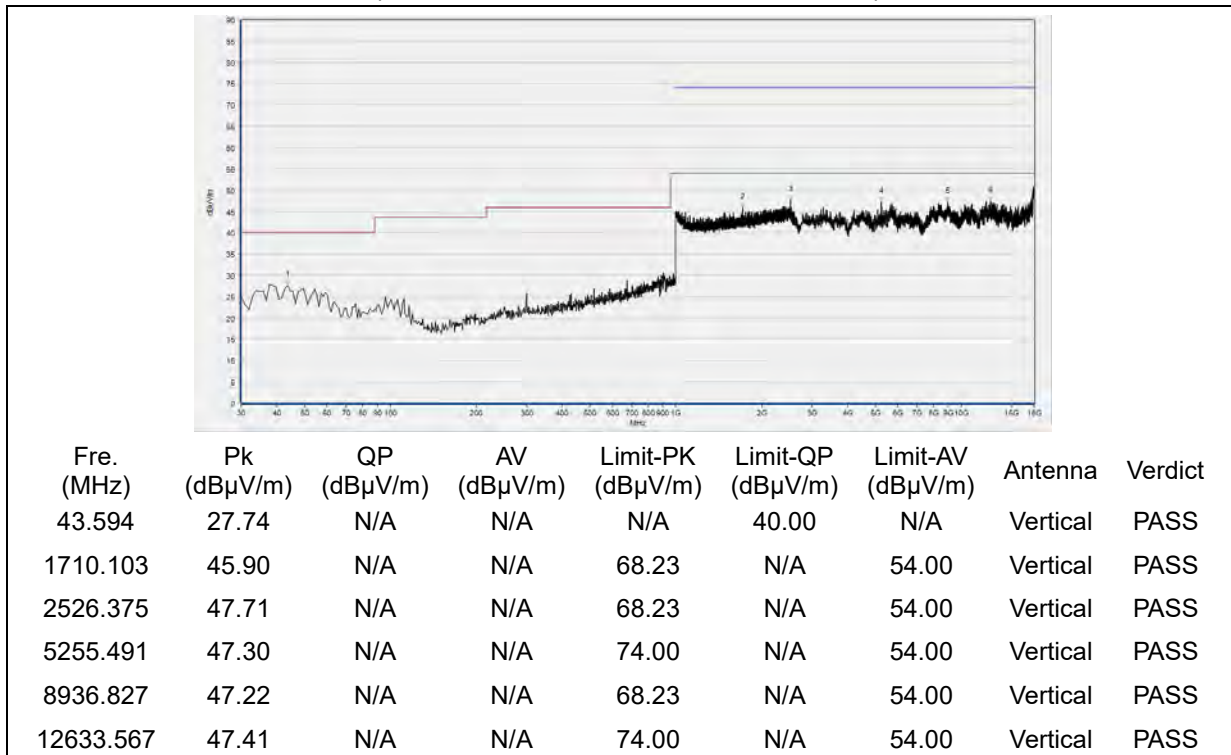
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
43.594	28.34	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
540.731	27.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1974.191	45.95	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4482.256	45.59	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
9060.052	47.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12528.826	47.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 54

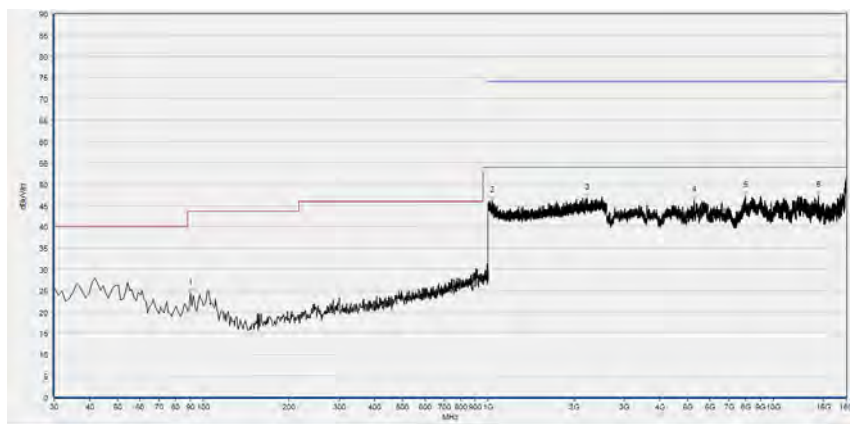


(Antenna Horizontal, 30MHz to 18GHz)



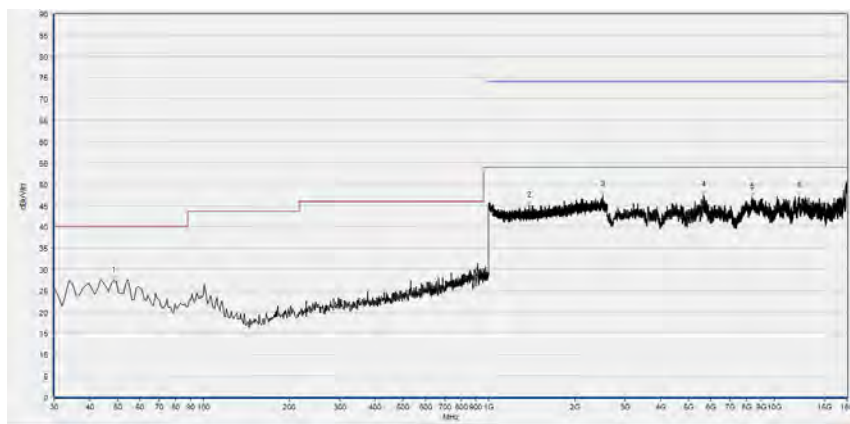
(Antenna Vertical, 30MHz to 18GHz)

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
90.200	24.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1029.877	46.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2224.408	46.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5280.136	46.31	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8003.401	47.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14346.389	47.18	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

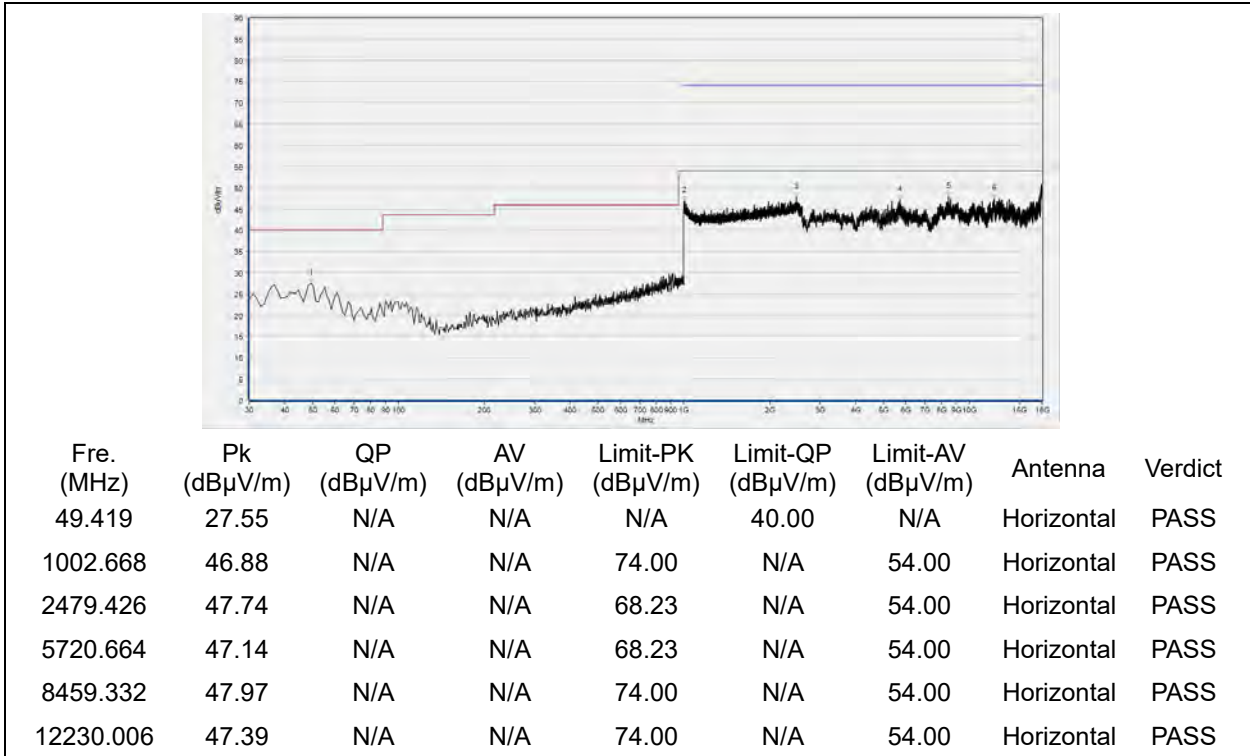
(Antenna Horizontal, 30MHz to 18GHz)



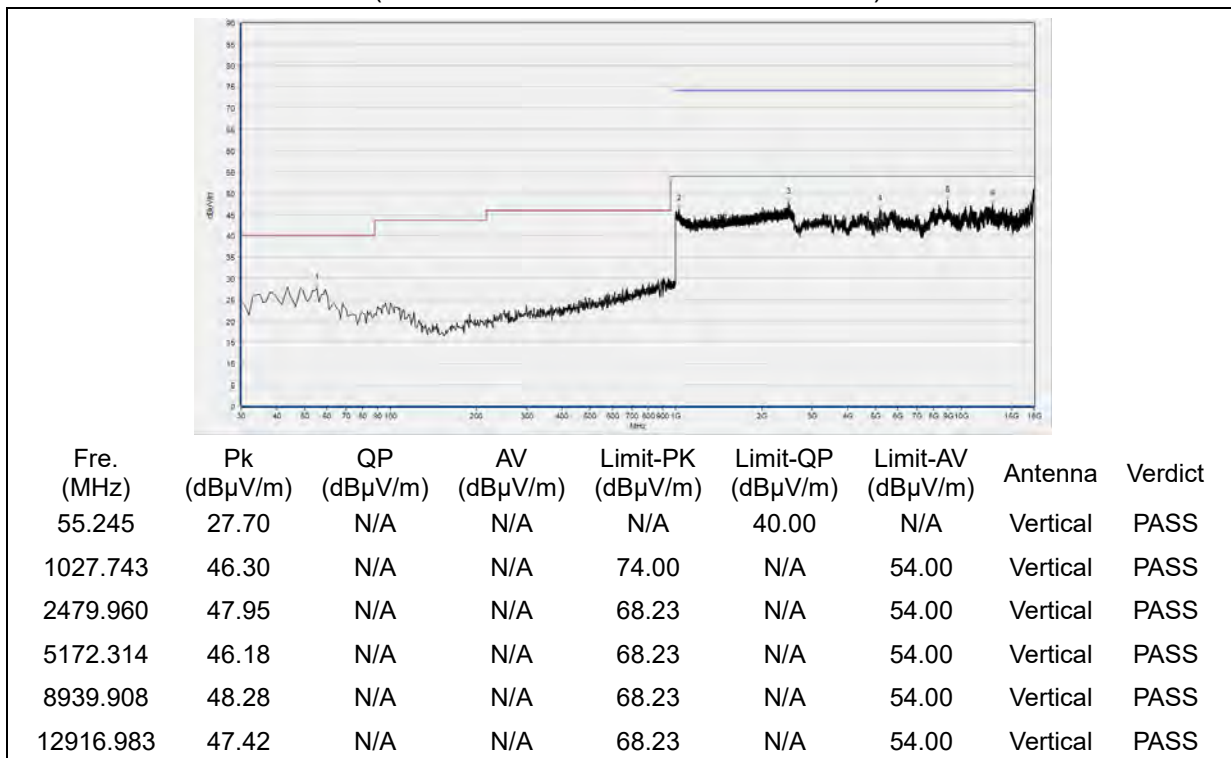
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
48.448	27.34	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1388.930	44.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2502.367	47.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5643.649	47.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8373.075	46.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12226.925	47.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 102

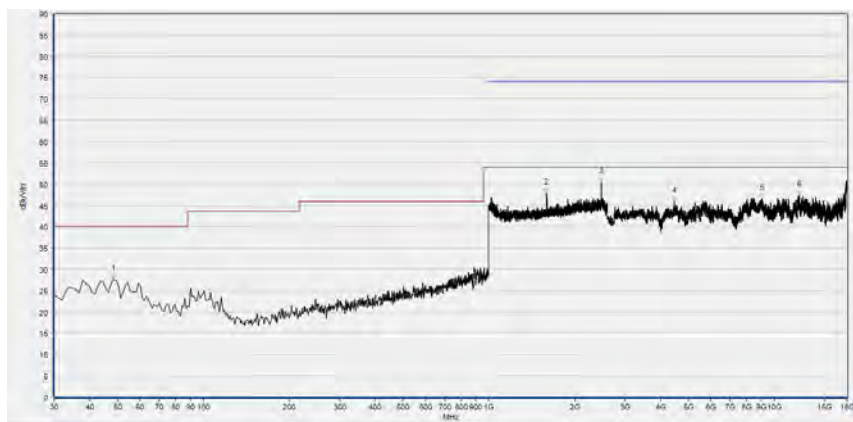


(Antenna Horizontal, 30MHz to 18GHz)



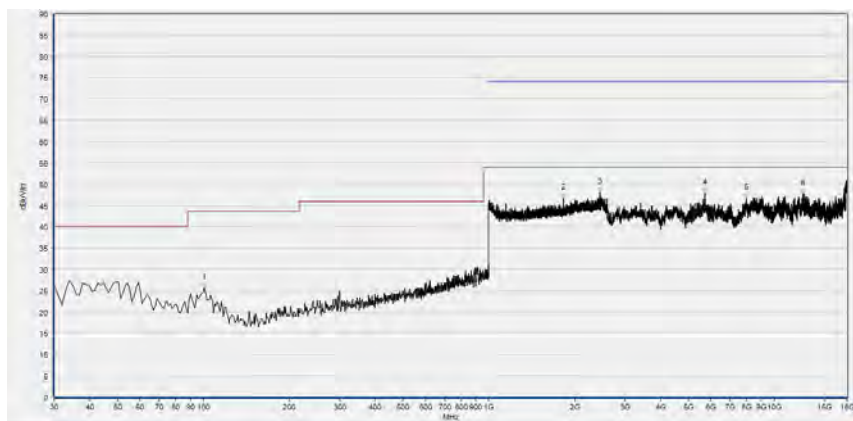
(Antenna Vertical, 30MHz to 18GHz)

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
48.448	27.73	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1594.331	47.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2479.960	50.51	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4473.015	45.99	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
9047.730	46.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12245.409	47.44	N/A	N/A	74.00	N/A <td 54.00	Horizontal	PASS	

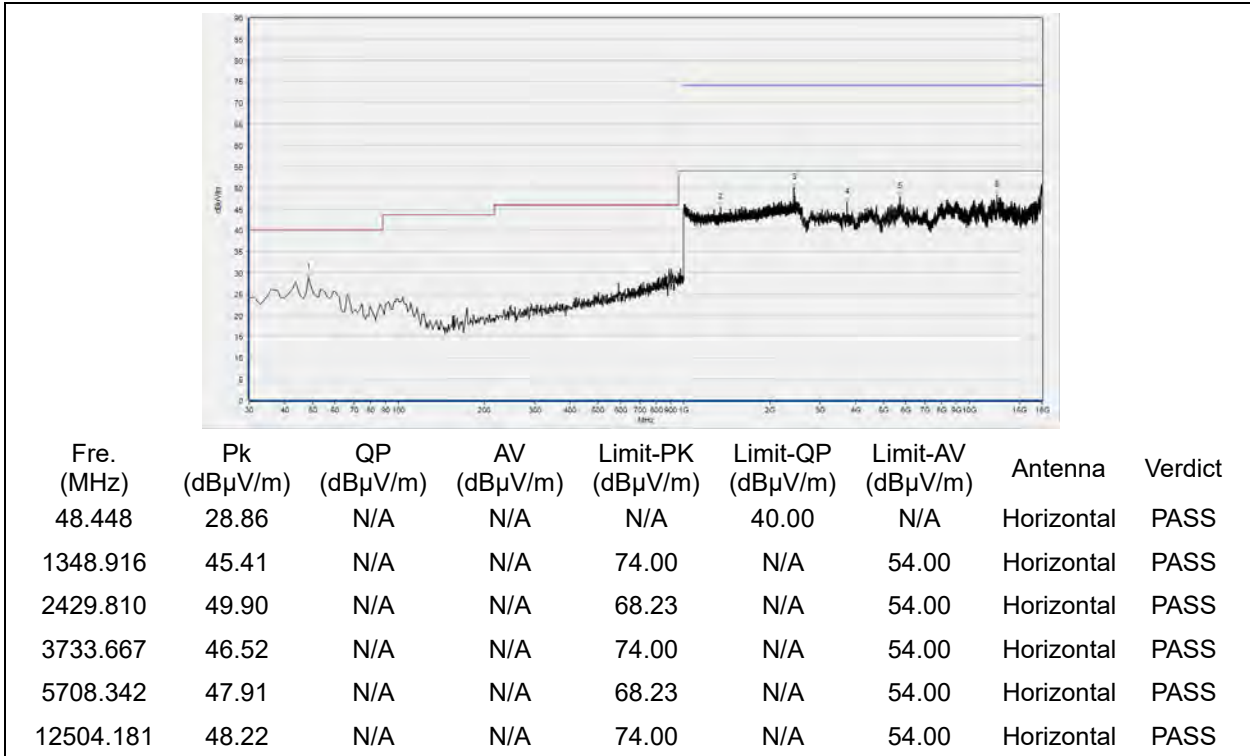
(Antenna Horizontal, 30MHz to 18GHz)



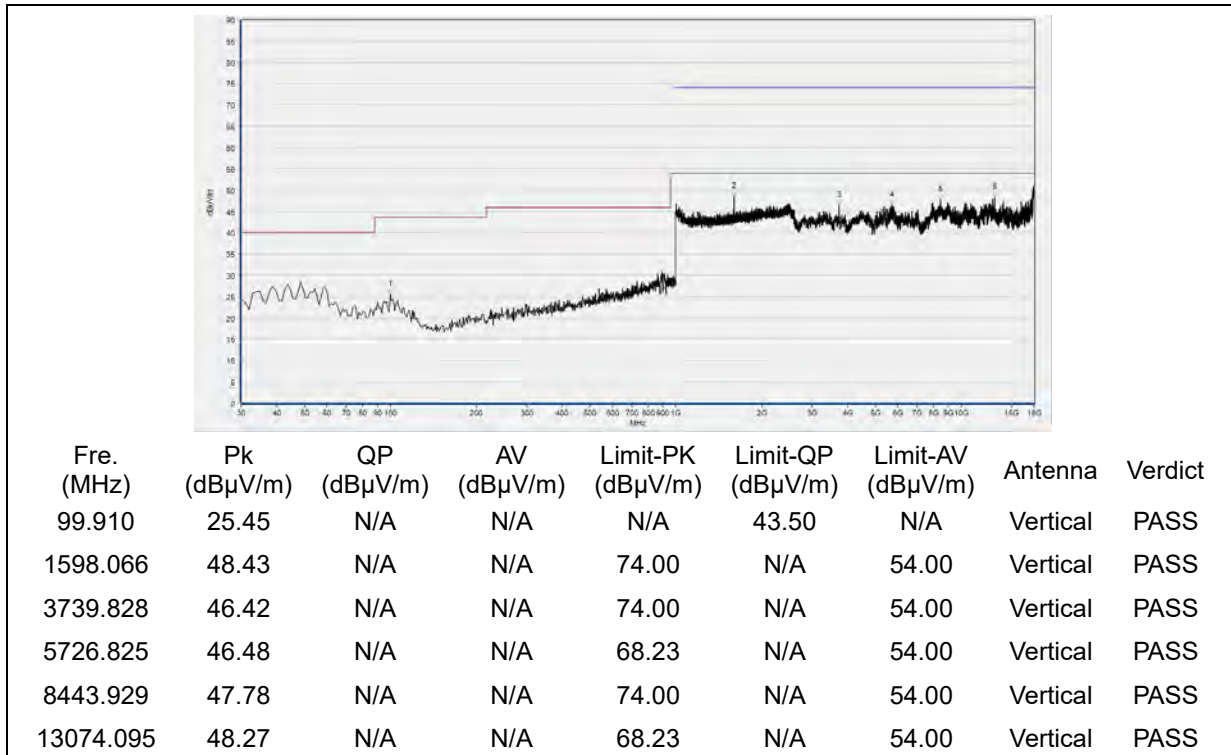
Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
100.881	25.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1825.342	46.75	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
2451.150	48.04	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5702.180	47.86	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
7969.514	46.72	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12621.244	47.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 142

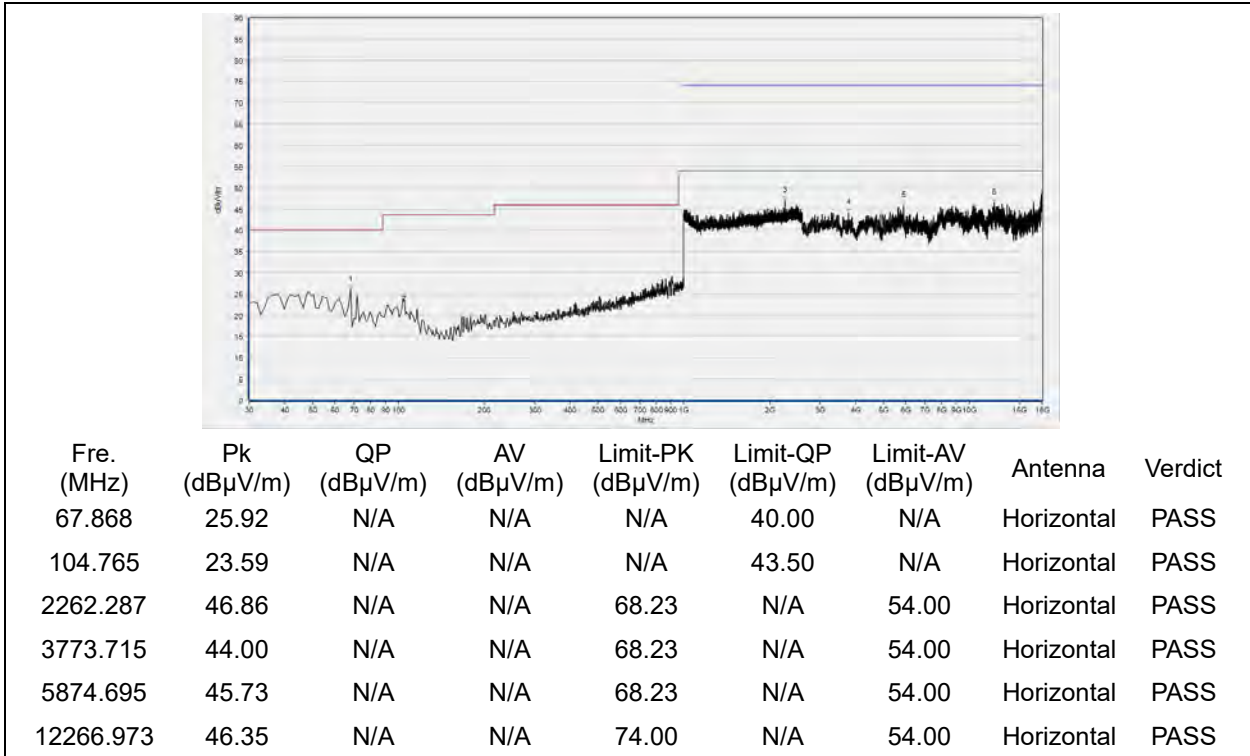


(Antenna Horizontal, 30MHz to 18GHz)

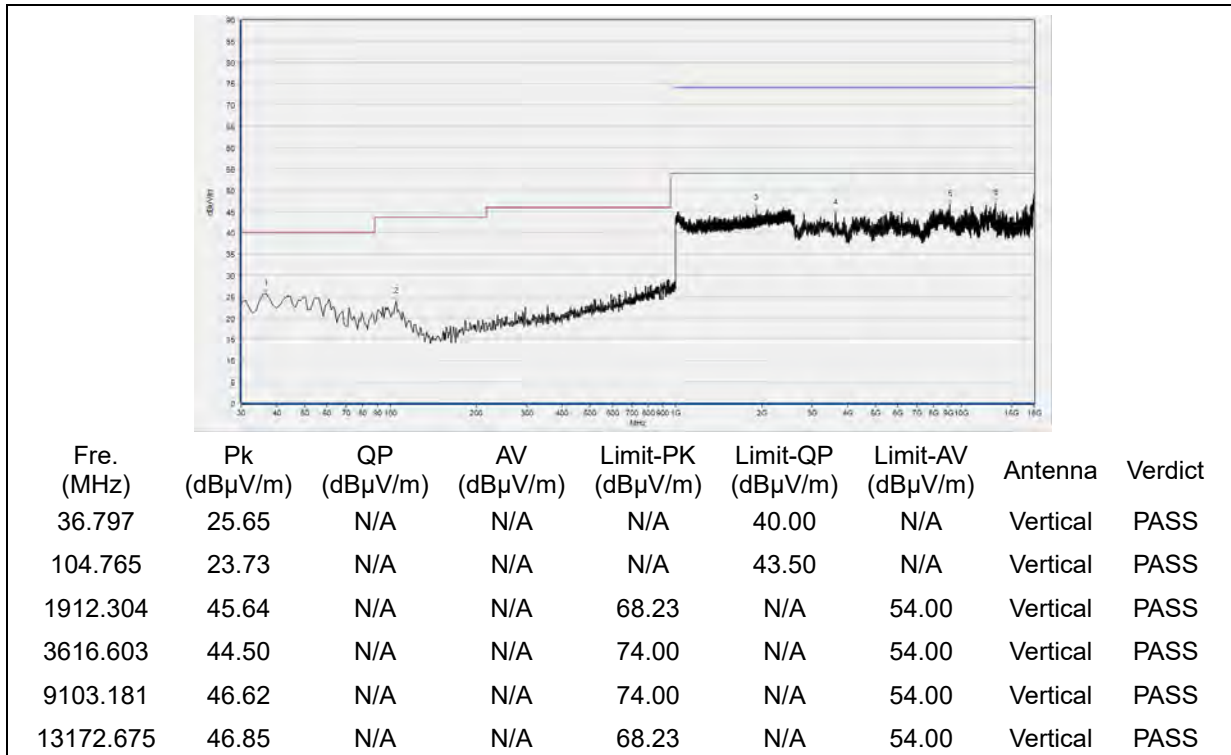


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 151

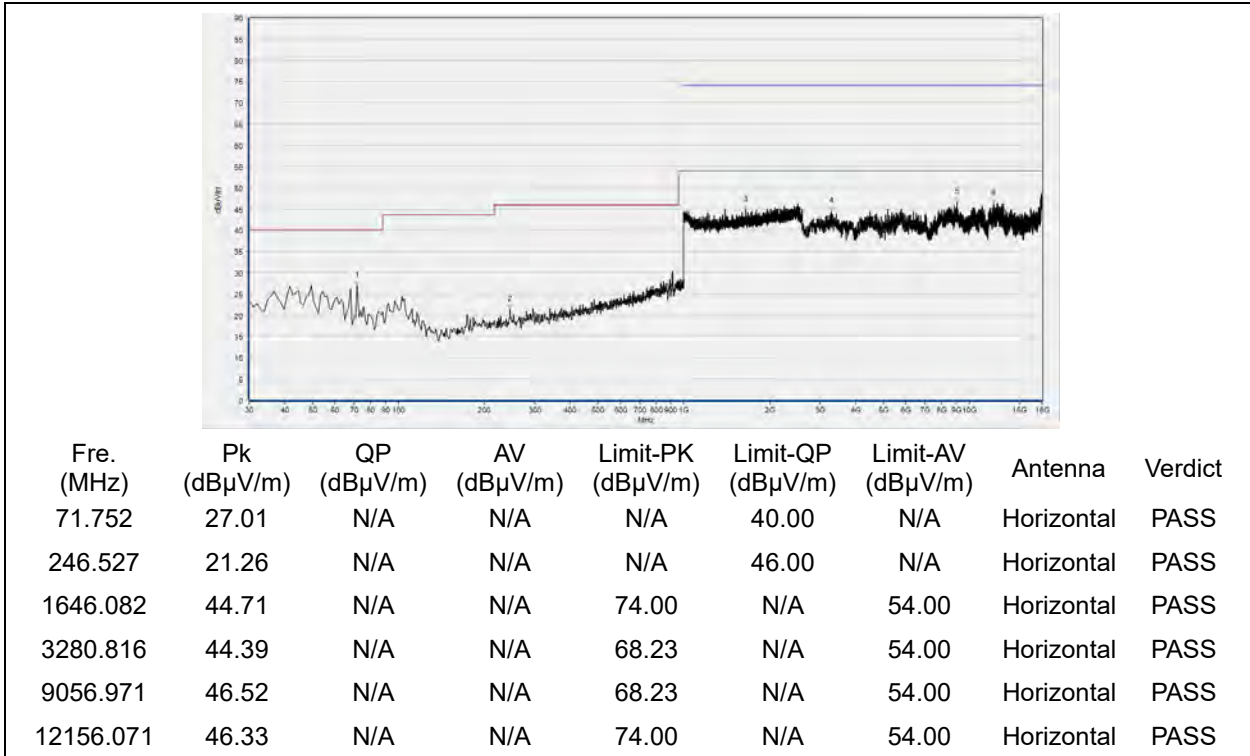


(Antenna Horizontal, 30MHz to 18GHz)

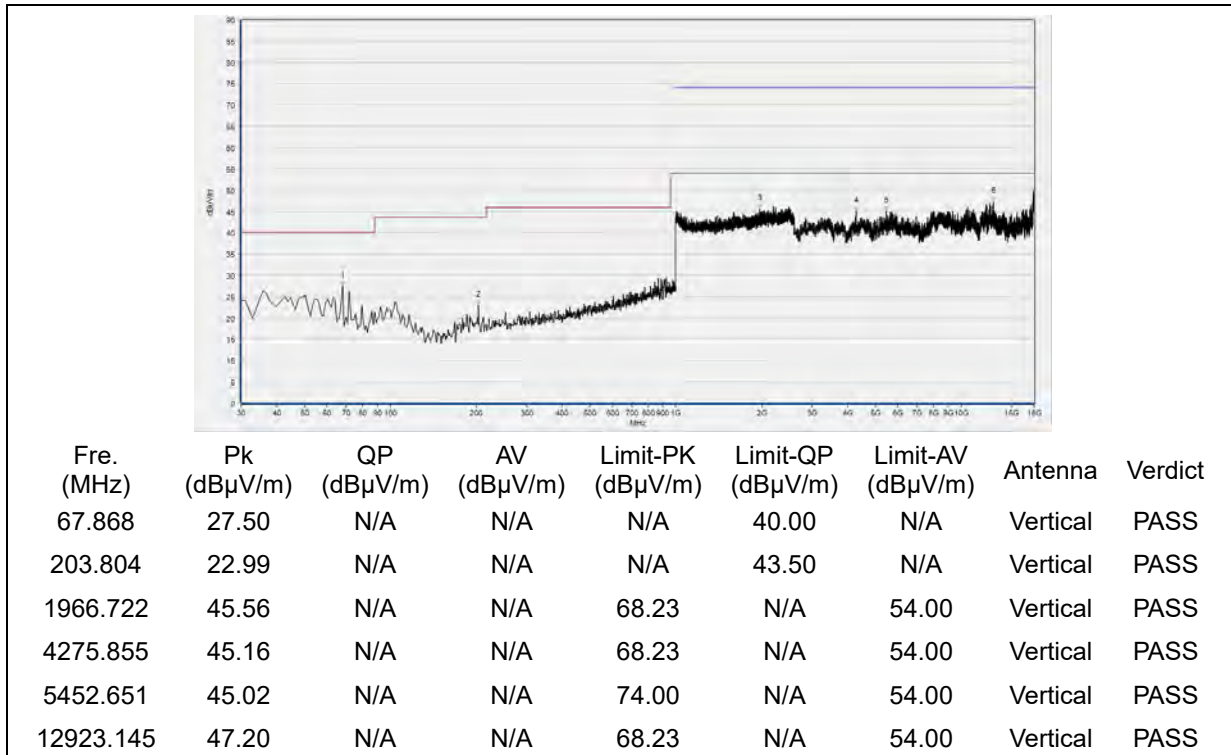


(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 159



(Antenna Horizontal, 30MHz to 18GHz)

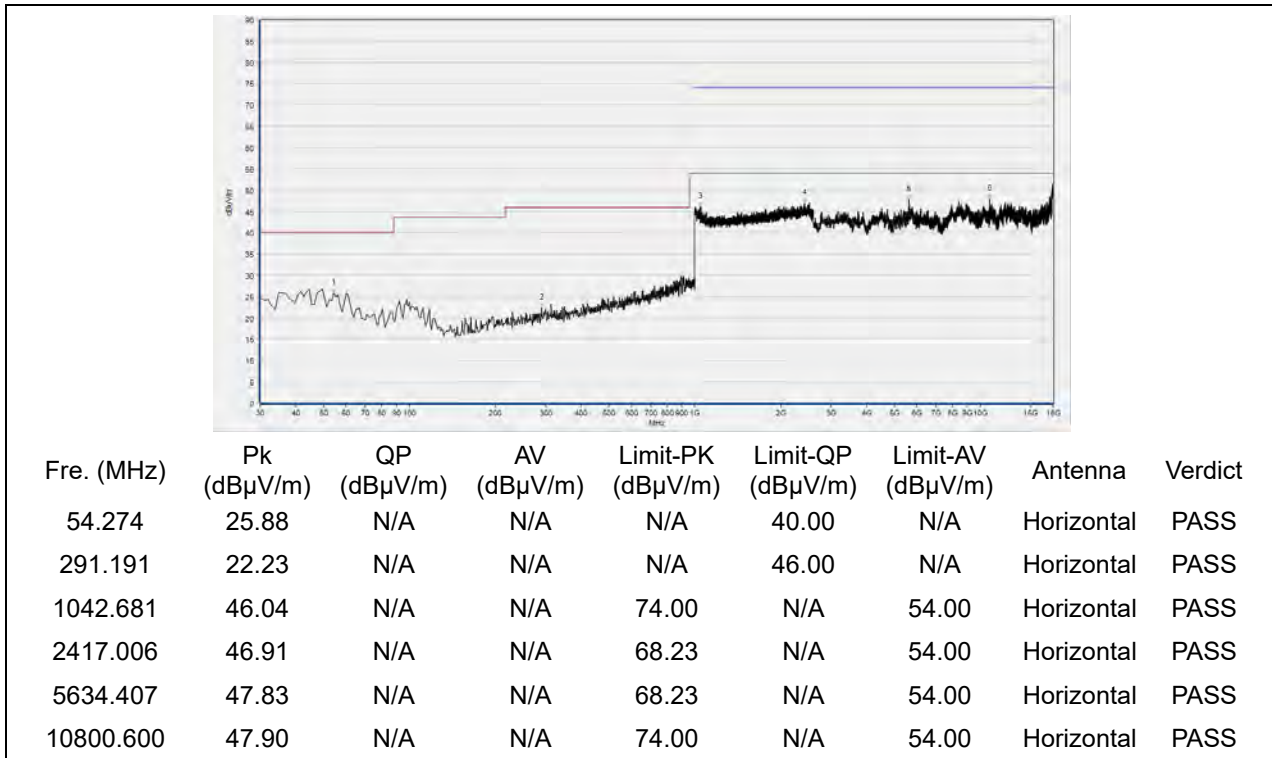


(Antenna Vertical, 30MHz to 18GHz)

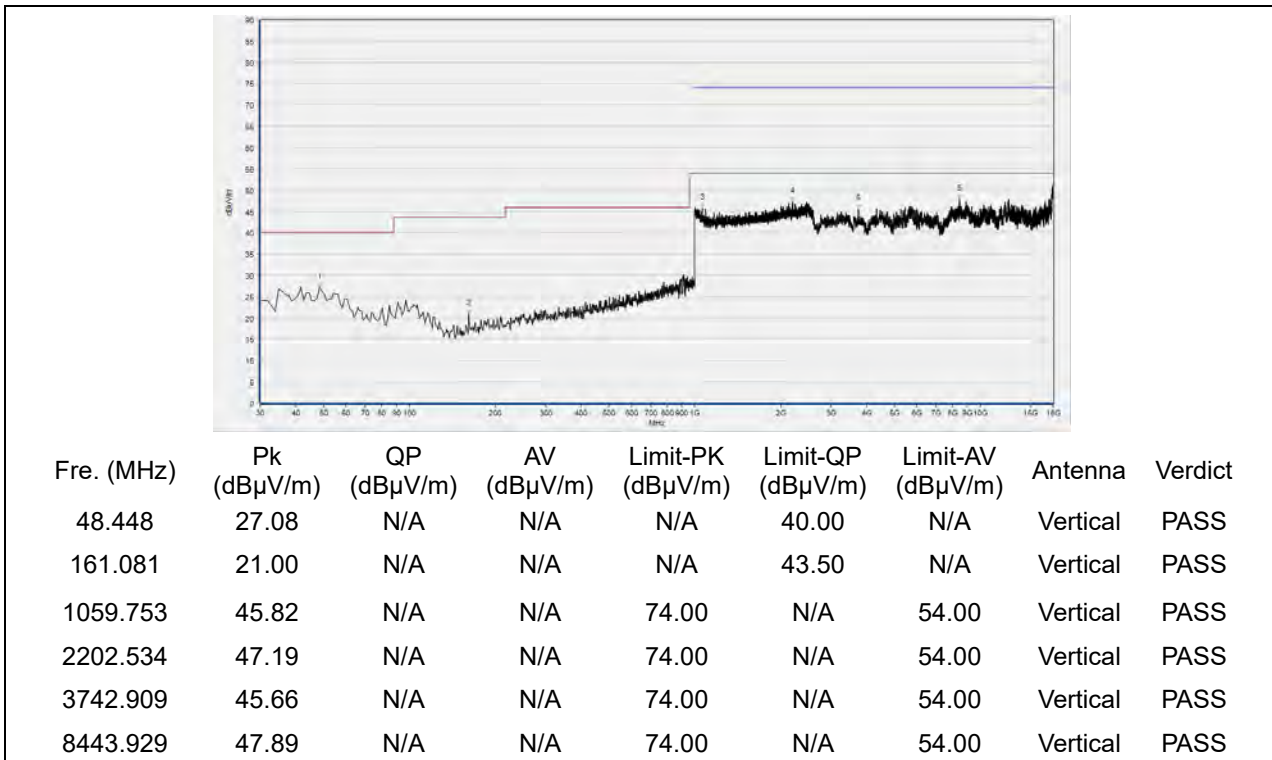


802.11ac (VHT20) Test mode

Plots for Channel = 36

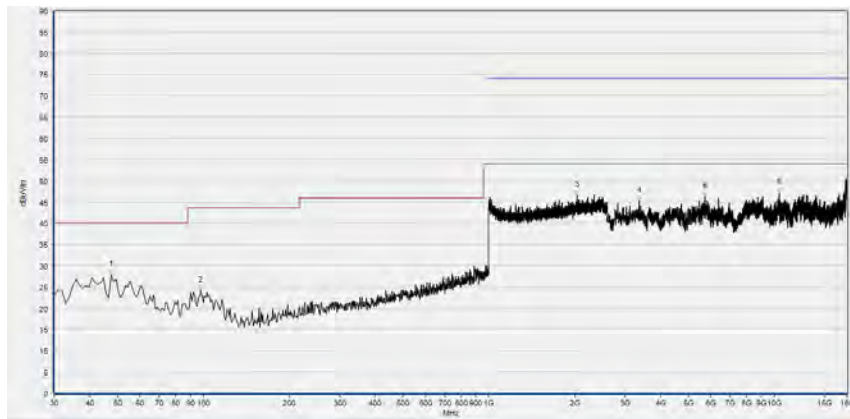


(Antenna Horizontal, 30MHz to 25GHz)



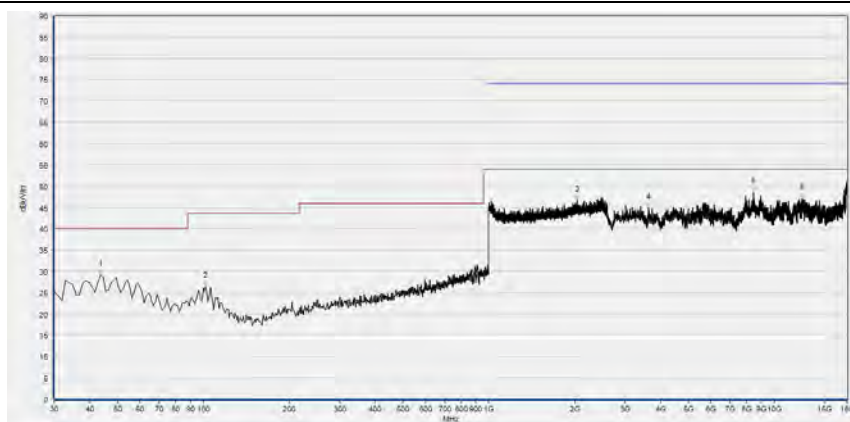
(Antenna Vertical, 30MHz to 25GHz)

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
47.477	27.86	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
97.968	24.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2043.014	46.54	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
3363.993	45.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5714.503	46.31	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
10421.684	47.17	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

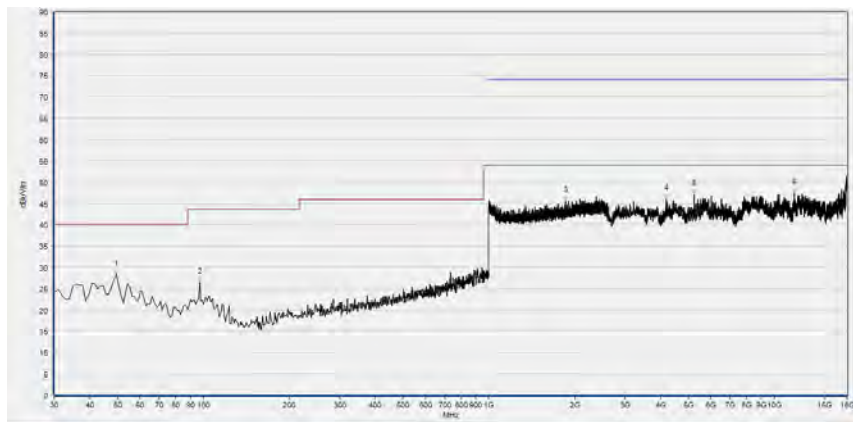
(Antenna Horizontal, 30MHz to 25GHz)



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
43.594	29.17	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
101.852	26.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2035.012	46.71	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
3622.765	44.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8440.848	48.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12491.858	47.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

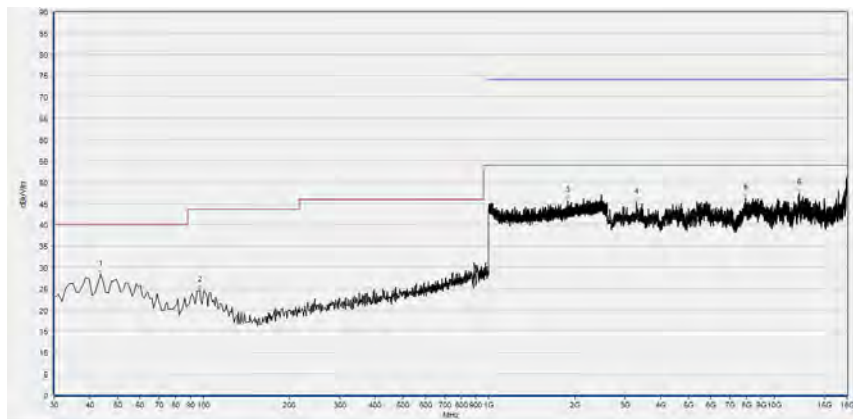
(Antenna Vertical, 30MHz to 25GHz)

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
49.419	28.34	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
96.997	26.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1862.688	45.59	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4177.275	46.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5249.330	47.14	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
11770.994	47.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

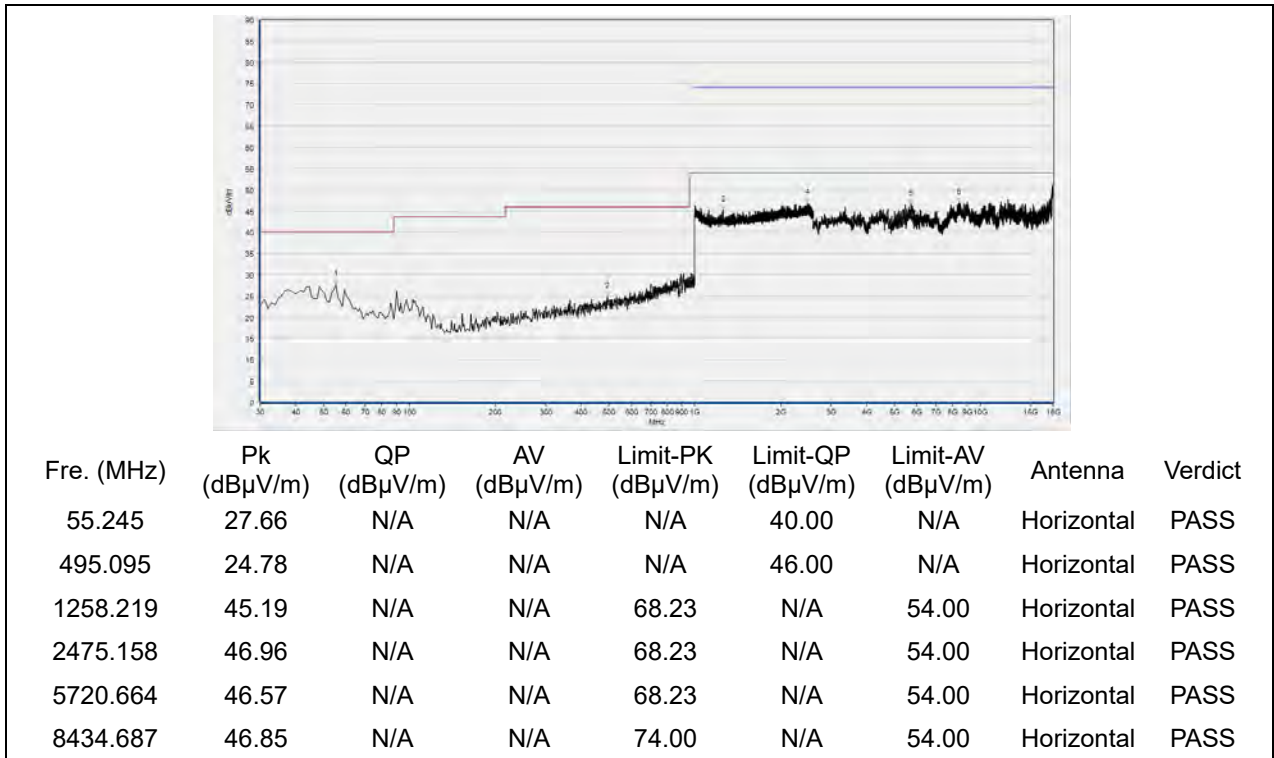
(Antenna Horizontal, 30MHz to 25GHz)



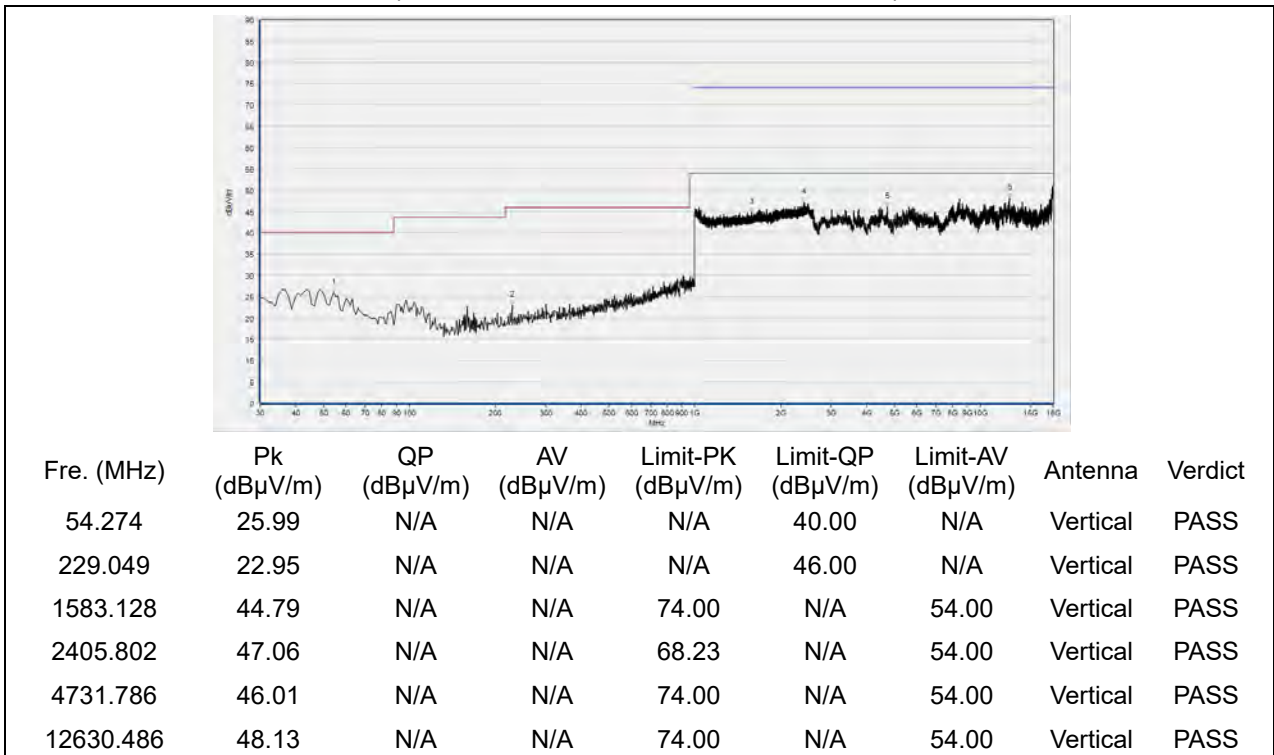
Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
43.594	28.26	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
96.997	24.60	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1887.229	45.57	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
3296.219	45.18	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
7929.466	46.29	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12230.006	47.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 52

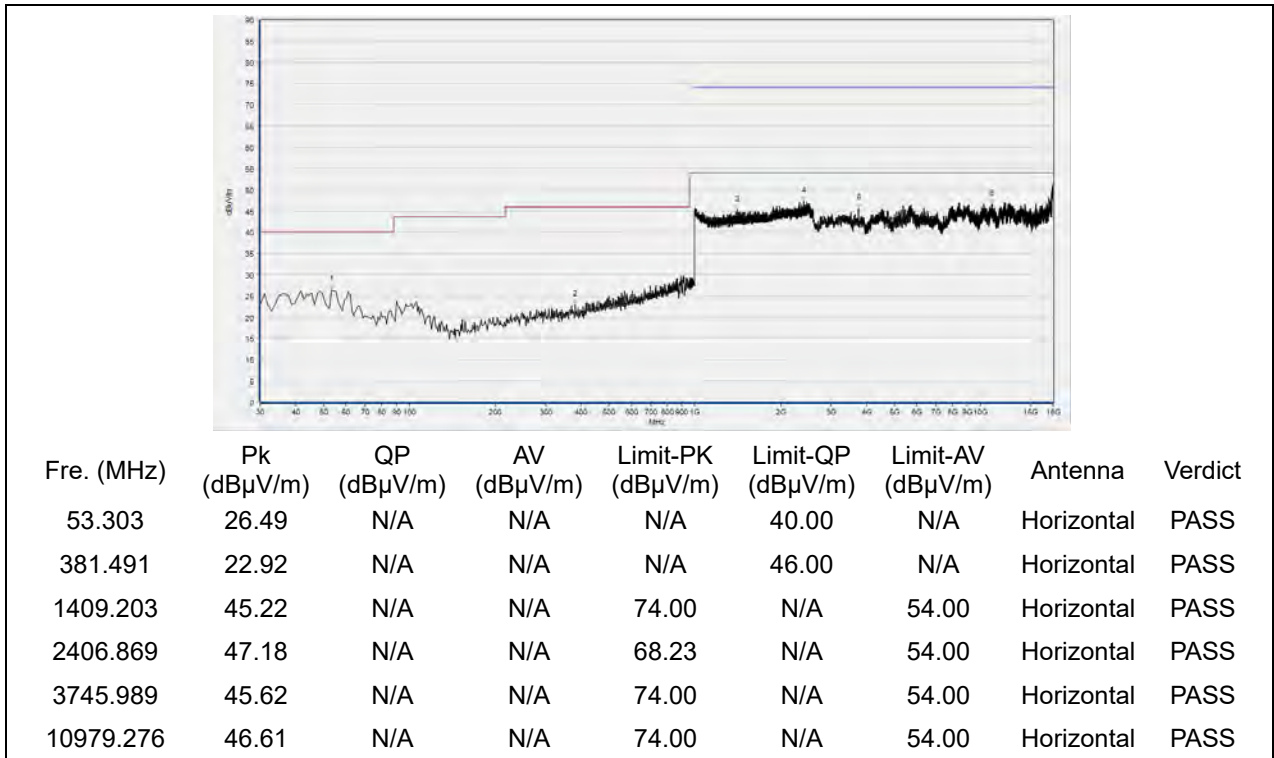


(Antenna Horizontal, 30MHz to 25GHz)

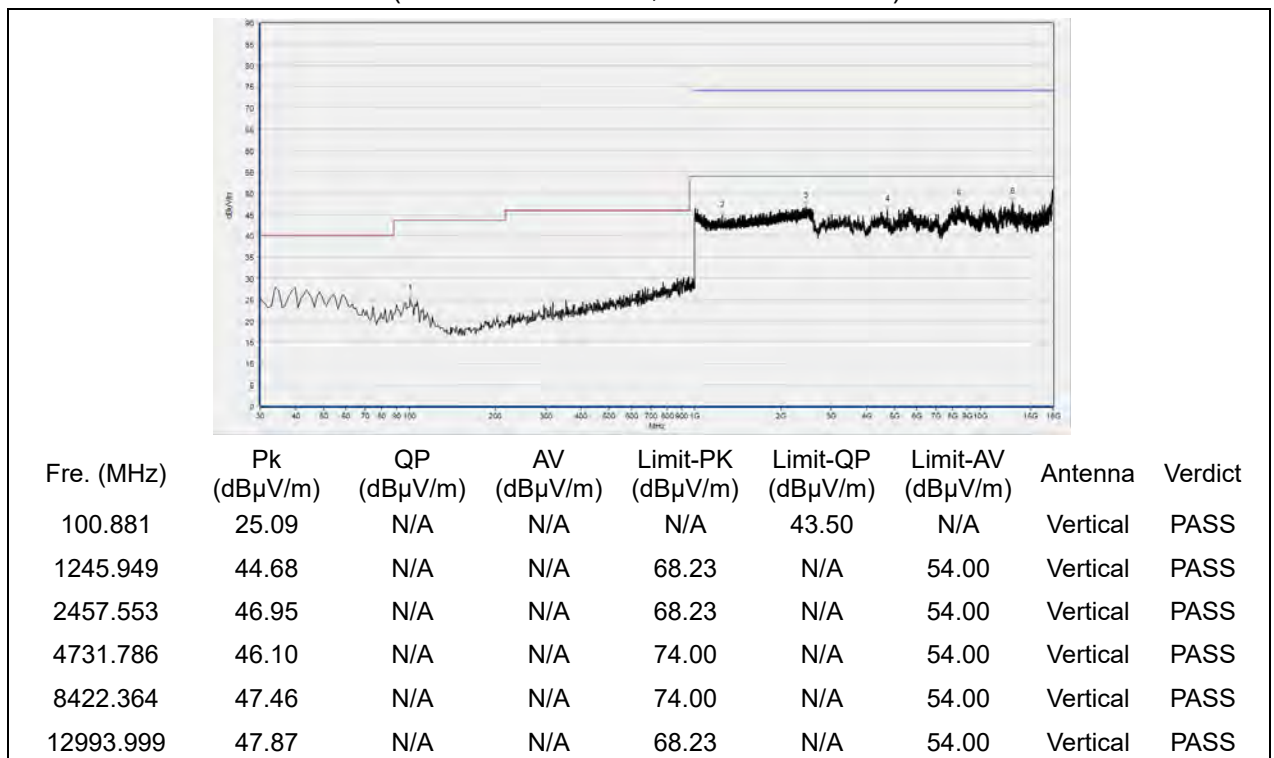


(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 60

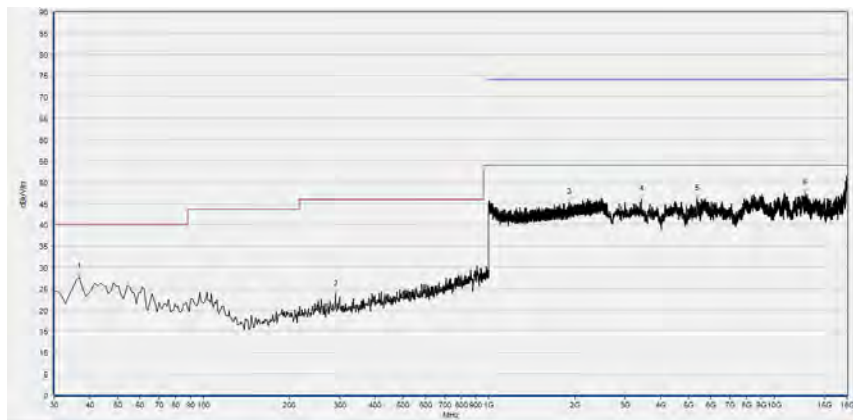


(Antenna Horizontal, 30MHz to 25GHz)



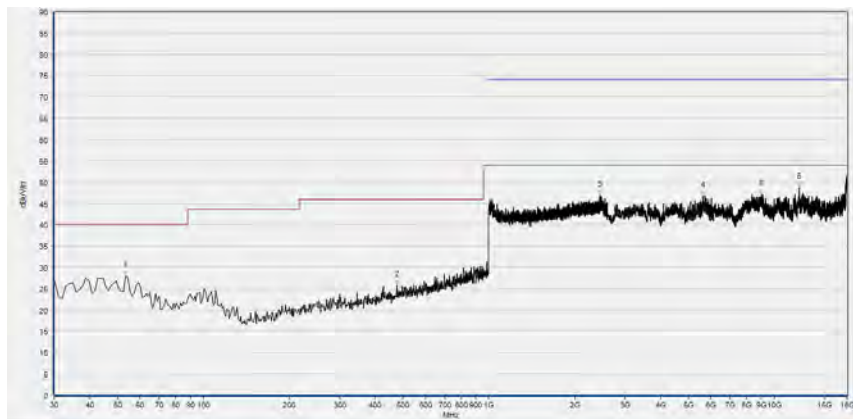
(Antenna Vertical, 30MHz to 25GHz)

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
36.797	27.62	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
290.220	23.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1913.371	45.24	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
3419.444	45.88	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5354.071	46.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12793.759	47.39	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

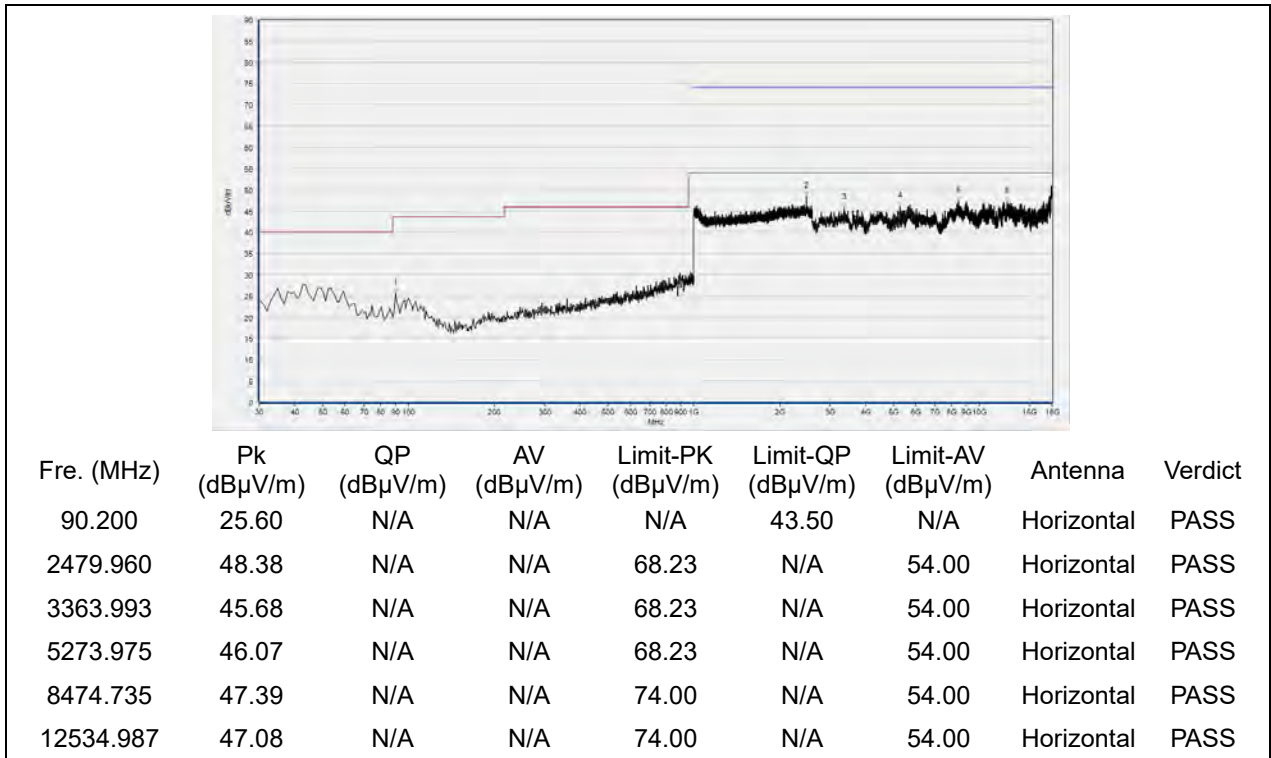
(Antenna Horizontal, 30MHz to 25GHz)



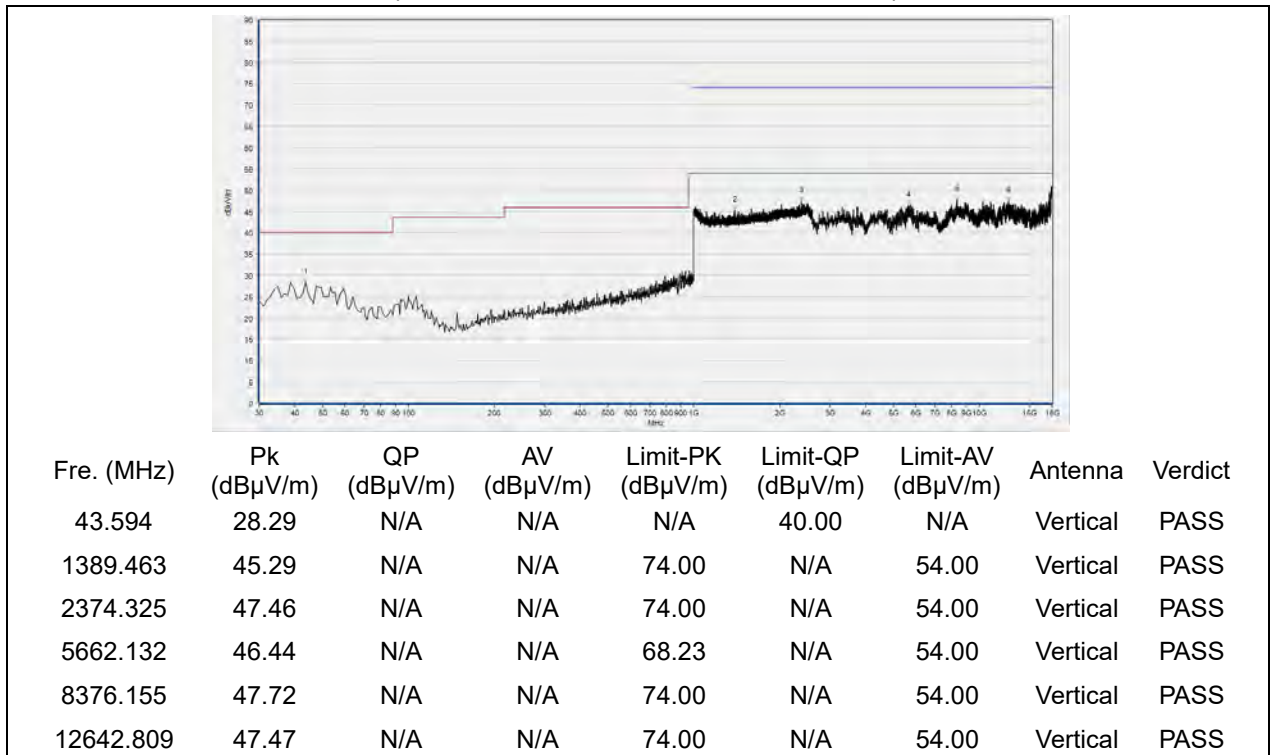
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
53.303	28.00	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
475.676	25.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2457.019	46.94	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5628.246	46.78	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
9007.682	47.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12233.087	48.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 100

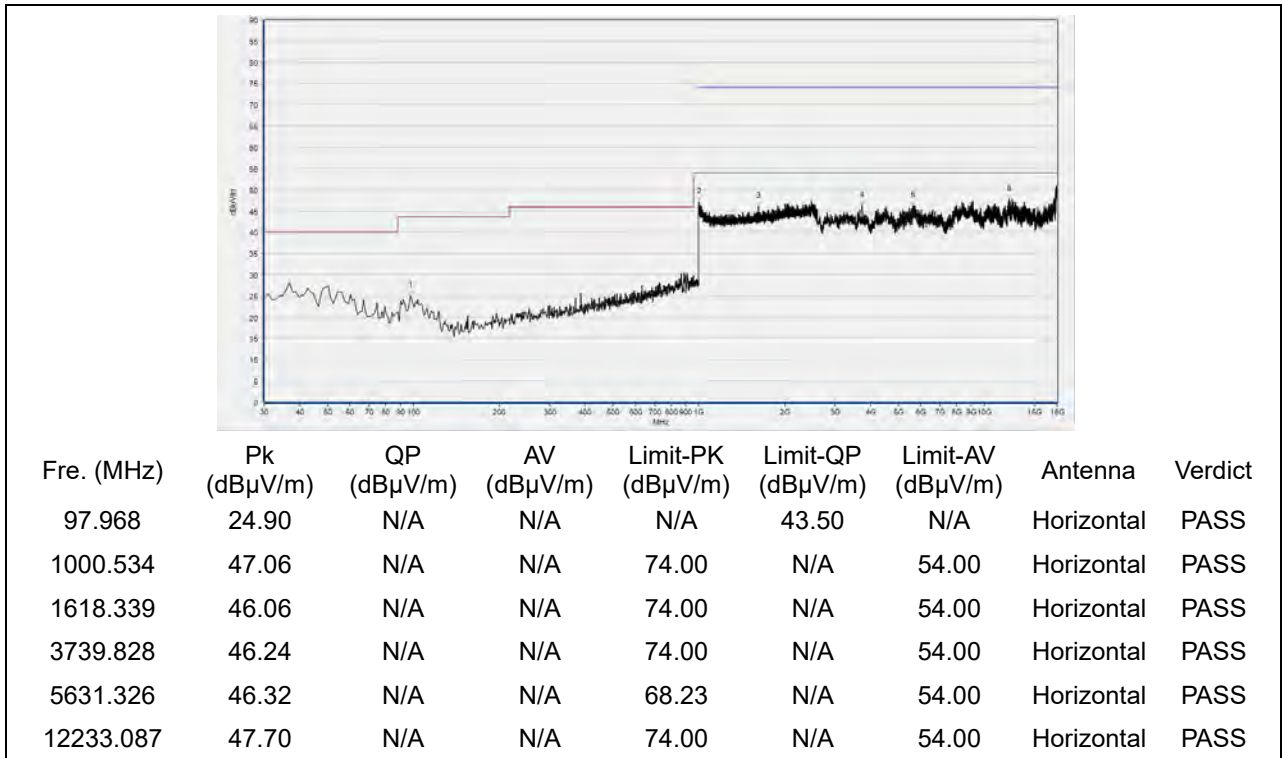


(Antenna Horizontal, 30MHz to 25GHz)

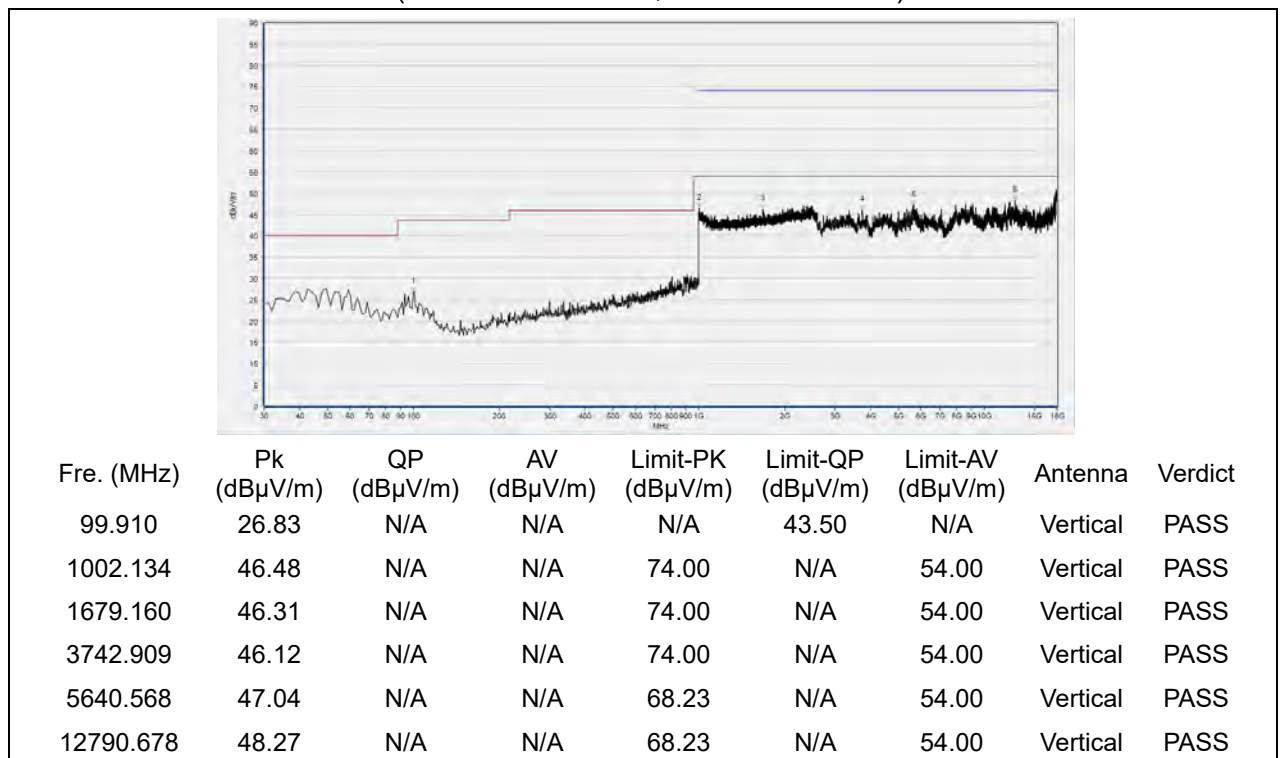


(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 120

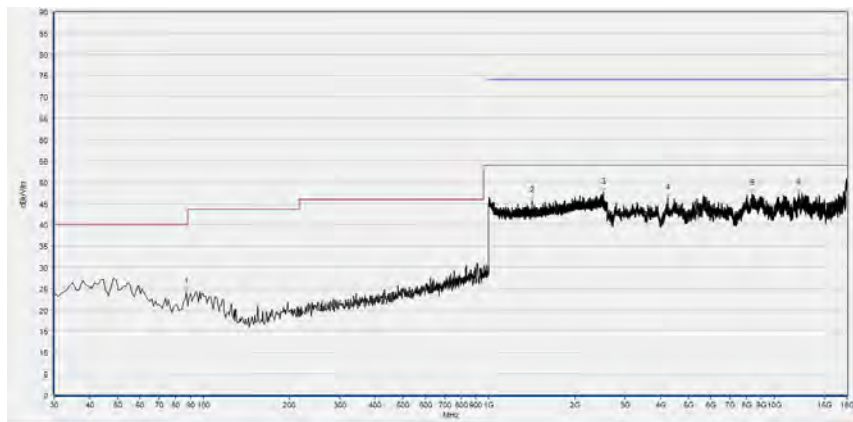


(Antenna Horizontal, 30MHz to 25GHz)



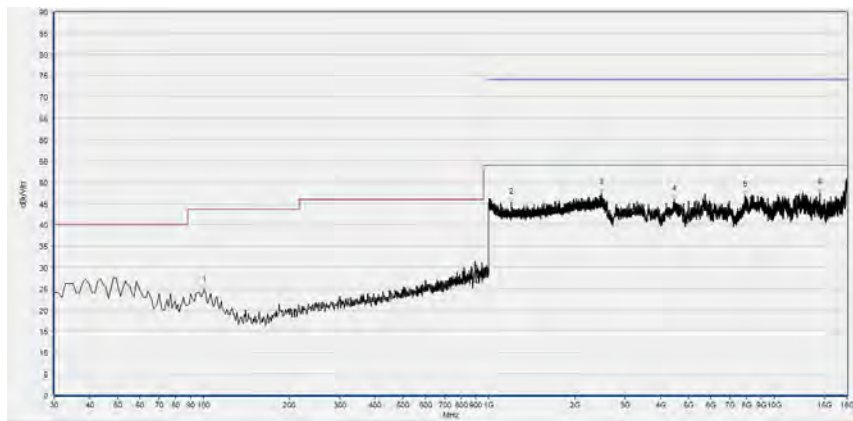
(Antenna Vertical, 30MHz to 25GHz)

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
87.287	24.19	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1416.139	45.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2516.772	47.67	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4229.646	46.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8342.268	47.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12156.071	47.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

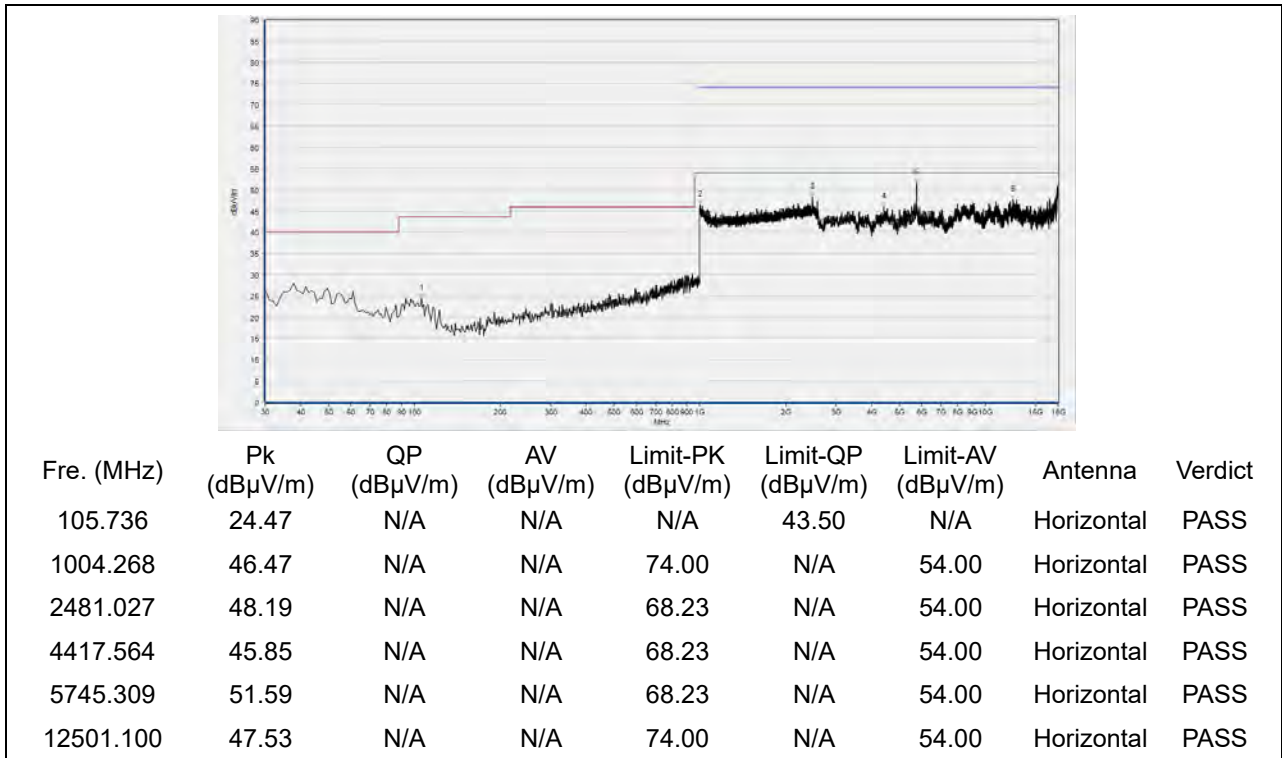
(Antenna Horizontal, 30MHz to 25GHz)



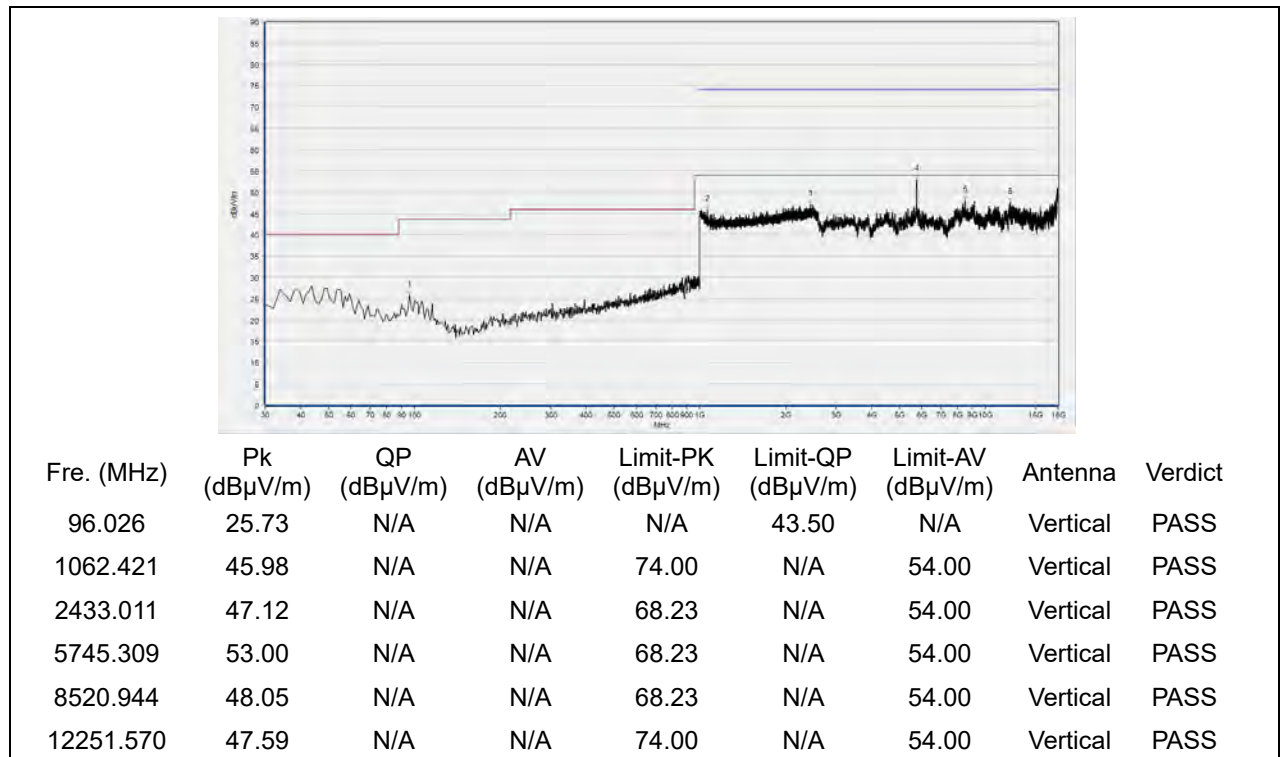
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	24.79	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1198.466	45.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2485.829	47.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4463.773	45.88	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
7901.740	46.87	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
14423.405	47.47	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 149

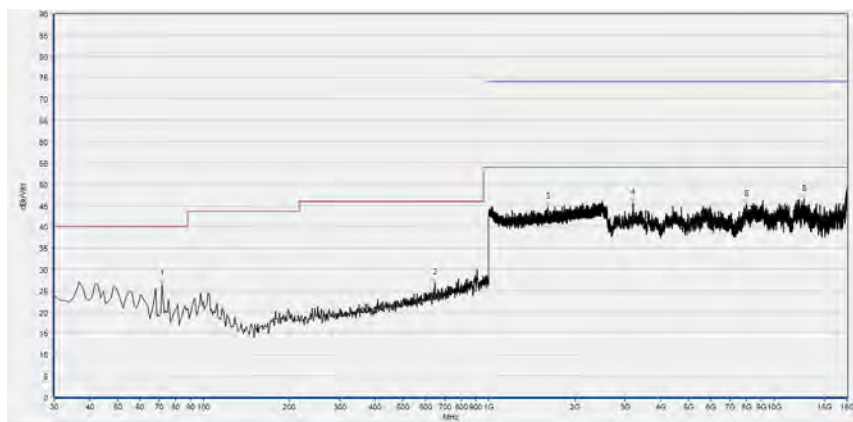


(Antenna Horizontal, 30MHz to 25GHz)



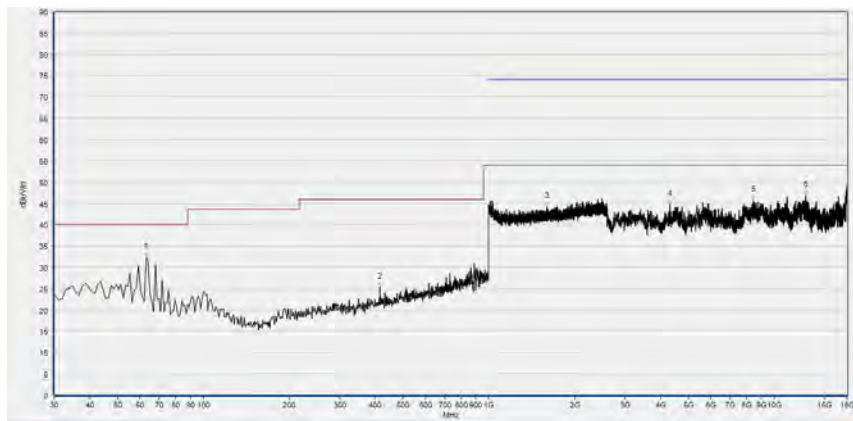
(Antenna Vertical, 30MHz to 25GHz)

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
71.752	26.51	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
647.538	26.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1606.602	44.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3203.801	45.56	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8003.401	45.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12704.421	46.43	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

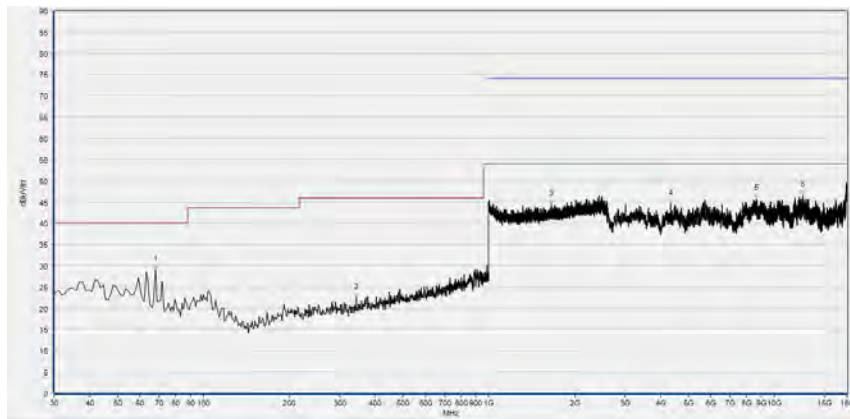
(Antenna Horizontal, 30MHz to 25GHz)



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	32.29	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
415.475	25.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1598.066	44.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4315.903	44.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8477.816	45.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12892.338	46.93	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

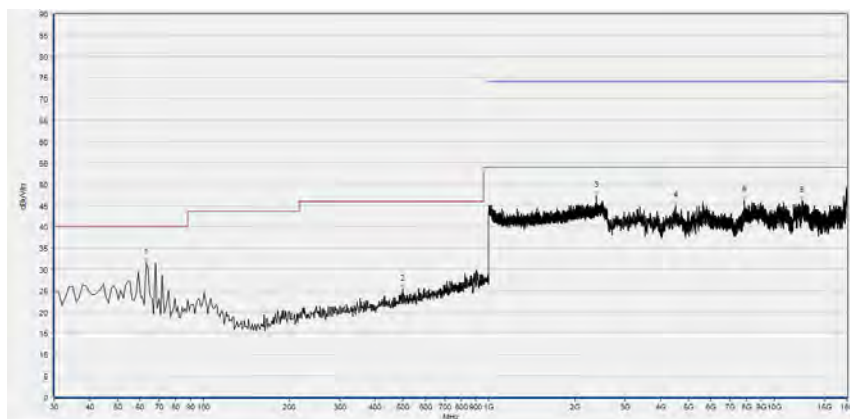
(Antenna Vertical, 30MHz to 25GHz)

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
67.868	28.93	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
343.624	22.42	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1658.886	44.36	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4337.467	44.53	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8668.814	45.73	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12608.922	46.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

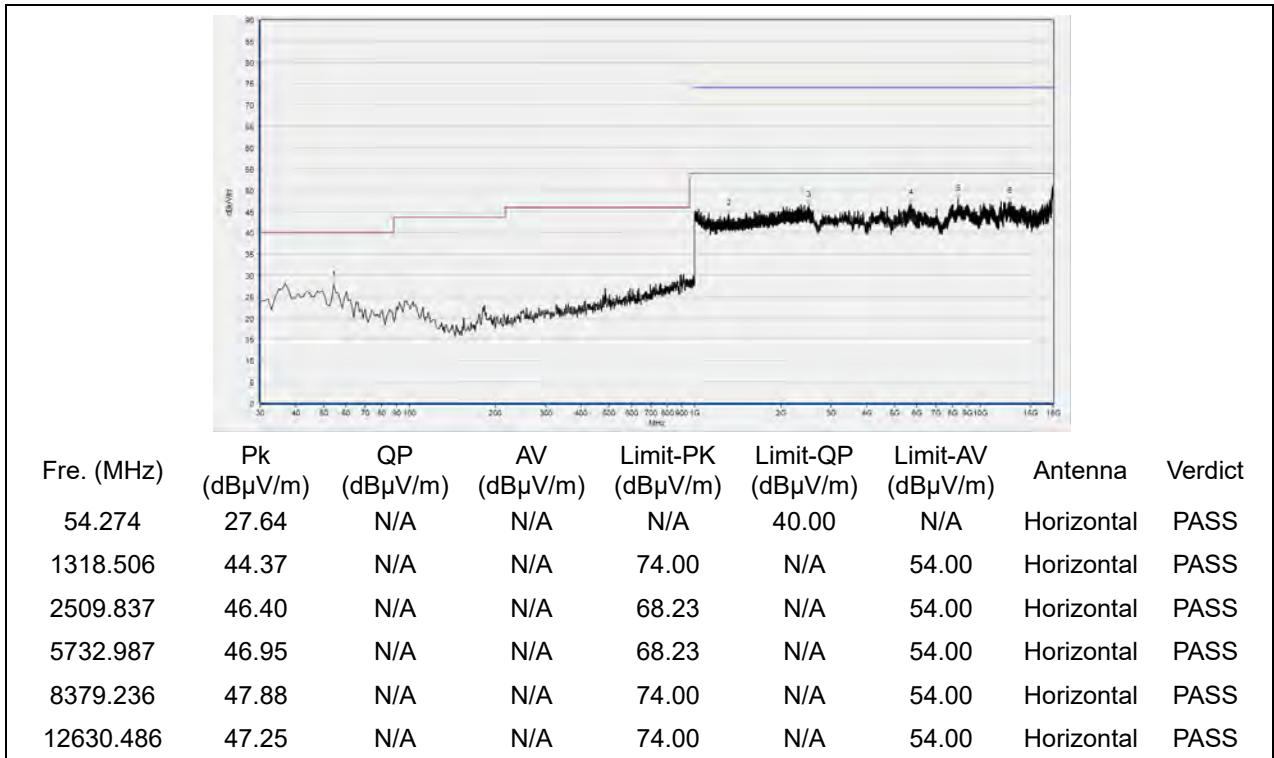


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
63.013	31.43	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
498.979	25.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2385.529	47.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4519.224	44.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7867.854	46.20	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12522.665	46.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

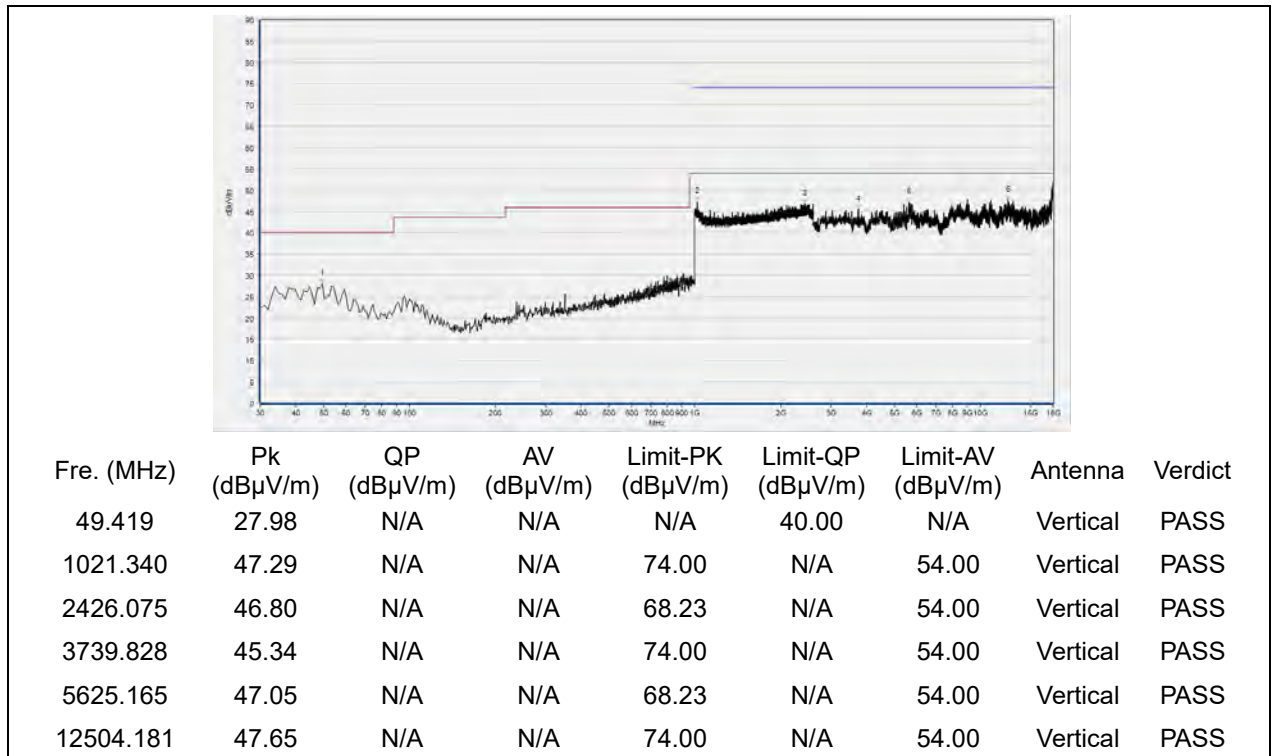
(Antenna Vertical, 30MHz to 25GHz)

802.11ac (VHT40) Test mode

Plots for Channel = 38

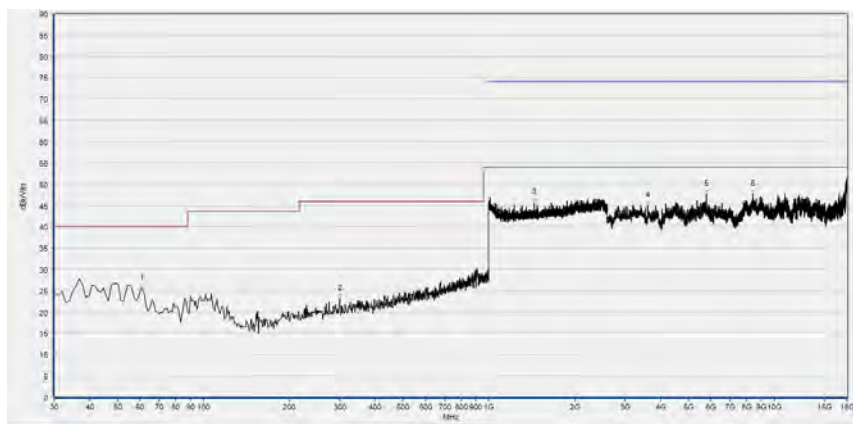


(Antenna Horizontal, 30MHz to 25GHz)



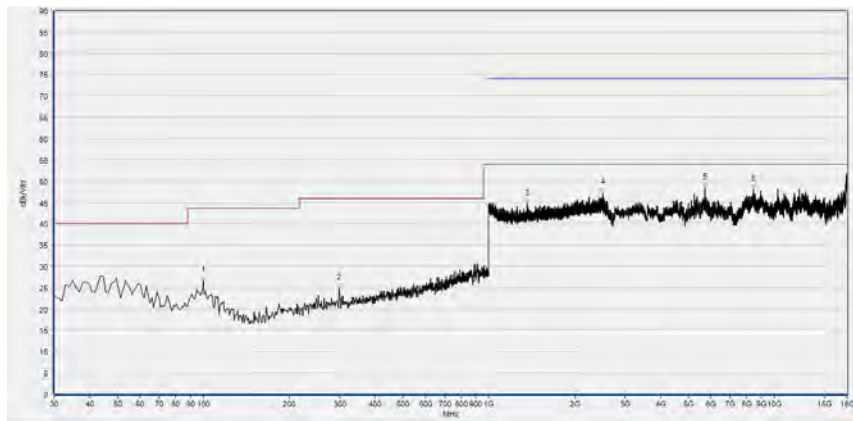
(Antenna Vertical, 30MHz to 25GHz)

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
61.071	25.51	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
299.930	23.20	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1445.482	45.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3604.281	44.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5785.357	47.64	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8391.558	47.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

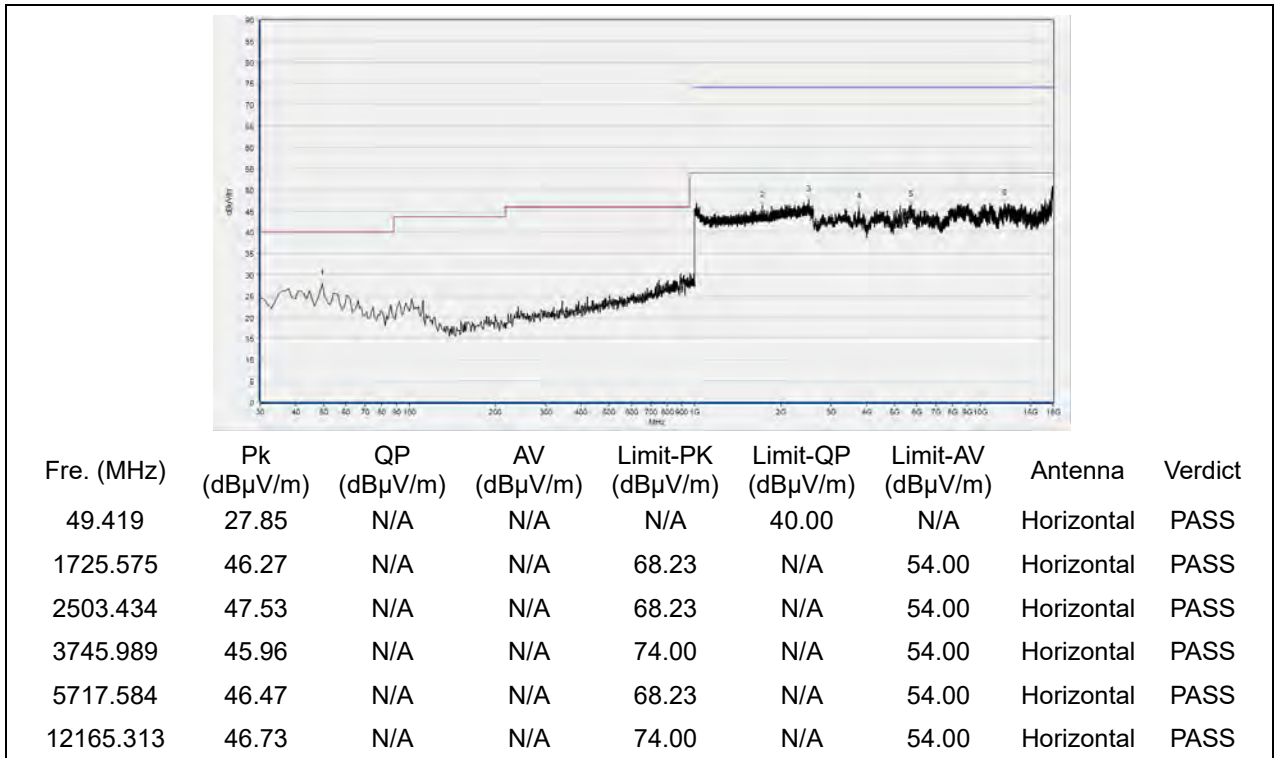
(Antenna Horizontal, 30MHz to 25GHz)



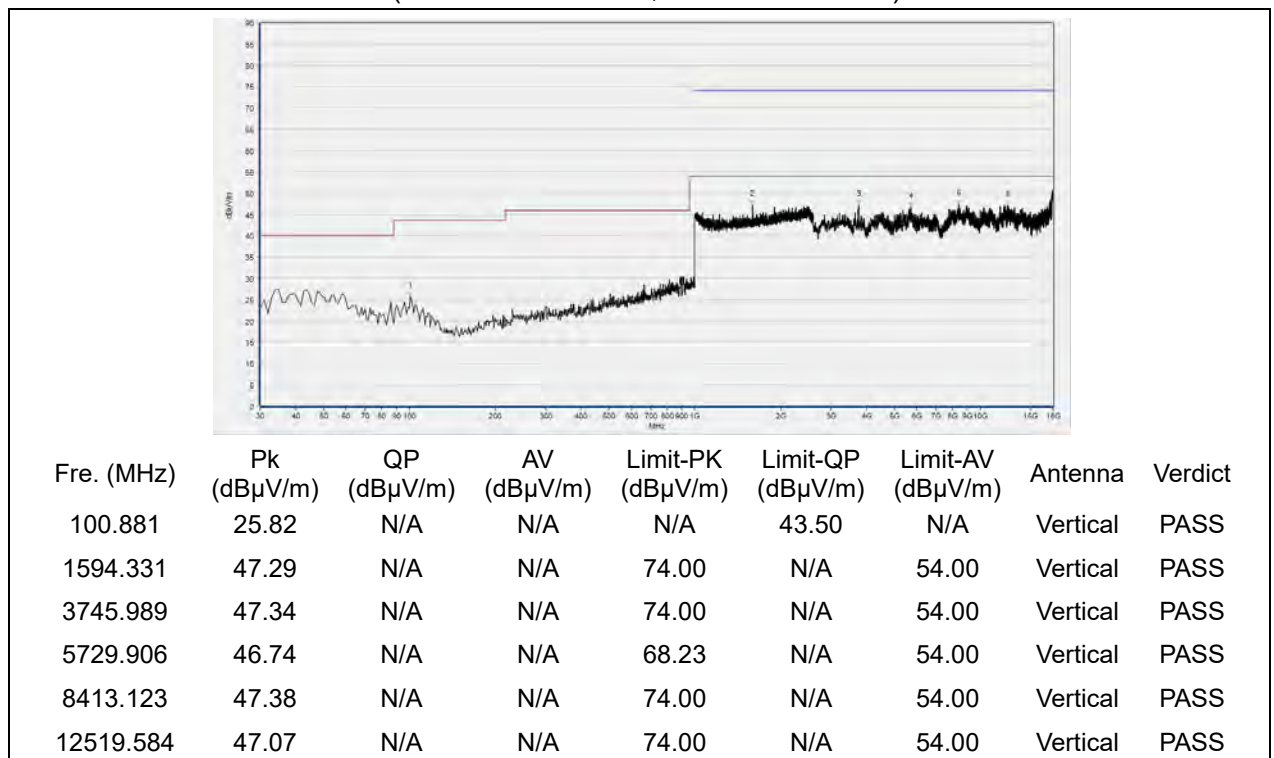
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	26.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
298.959	24.80	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1359.053	44.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2506.102	47.18	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5717.584	48.45	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8437.768	48.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 54

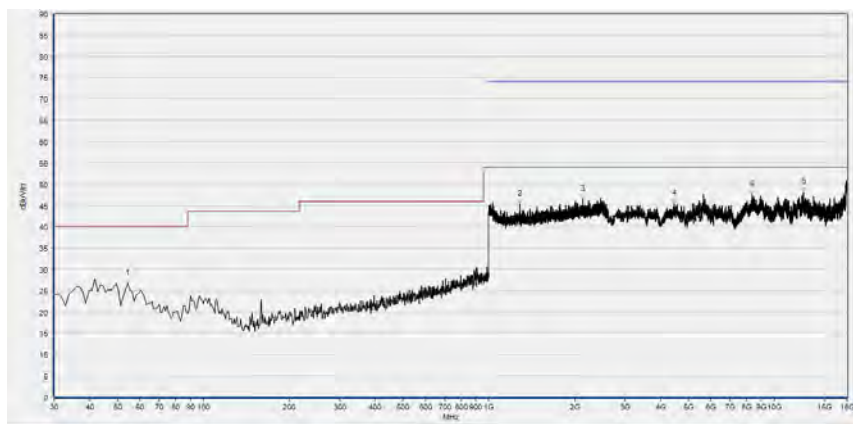


(Antenna Horizontal, 30MHz to 25GHz)



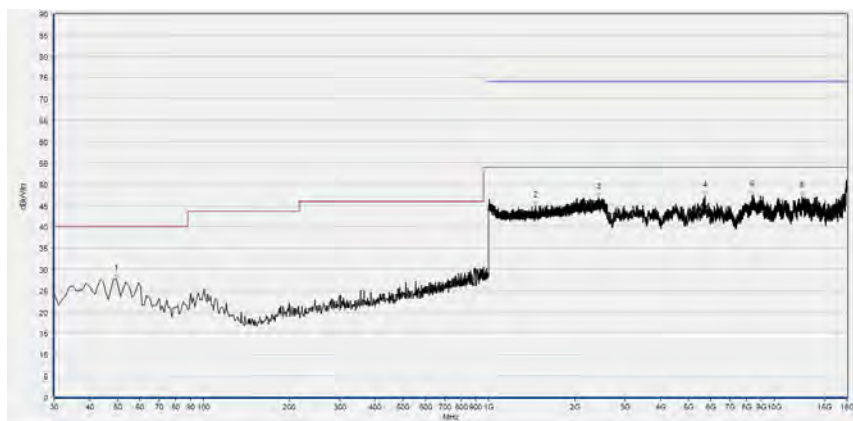
(Antenna Vertical, 30MHz to 25GHz)

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
54.274	26.67	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1285.962	45.20	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
2132.111	46.35	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4454.531	45.48	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8373.075	47.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12664.373	48.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

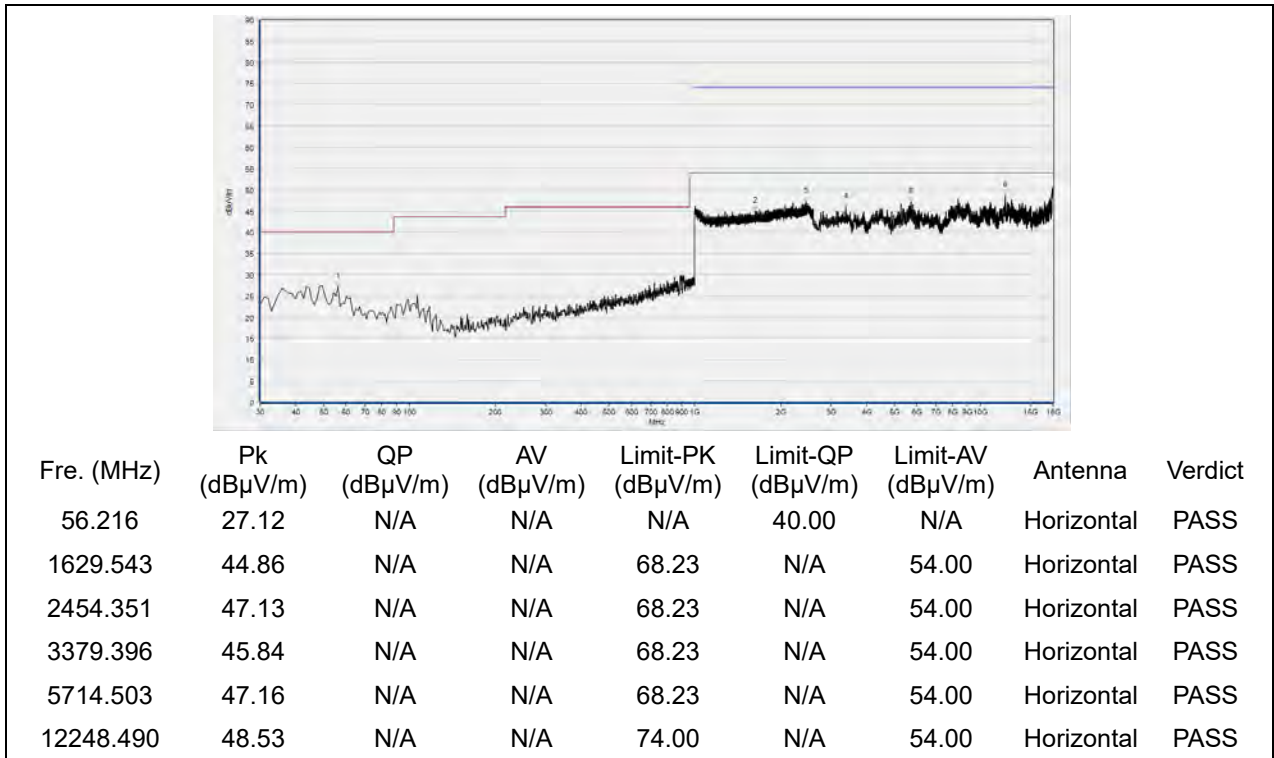
(Antenna Horizontal, 30MHz to 25GHz)



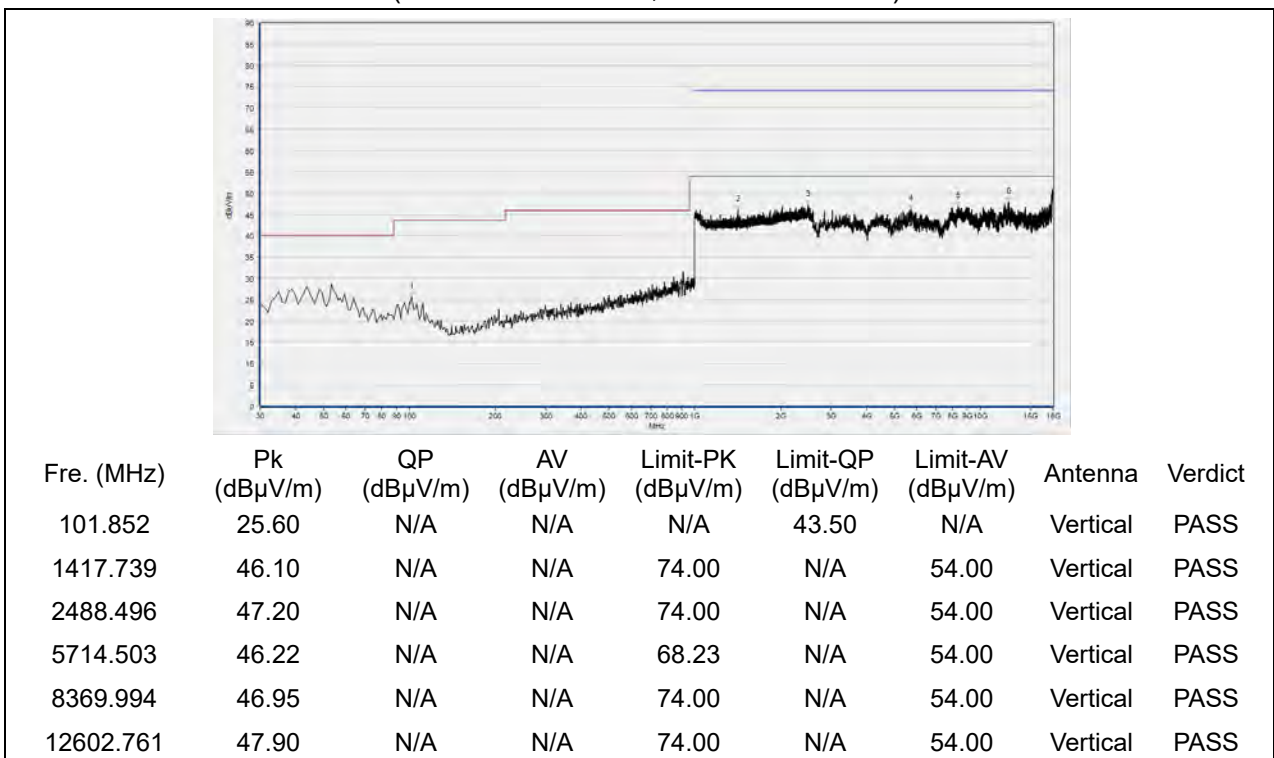
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.419	27.69	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1456.152	44.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2424.475	46.94	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5720.664	47.18	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8363.833	47.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12510.342	47.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 102

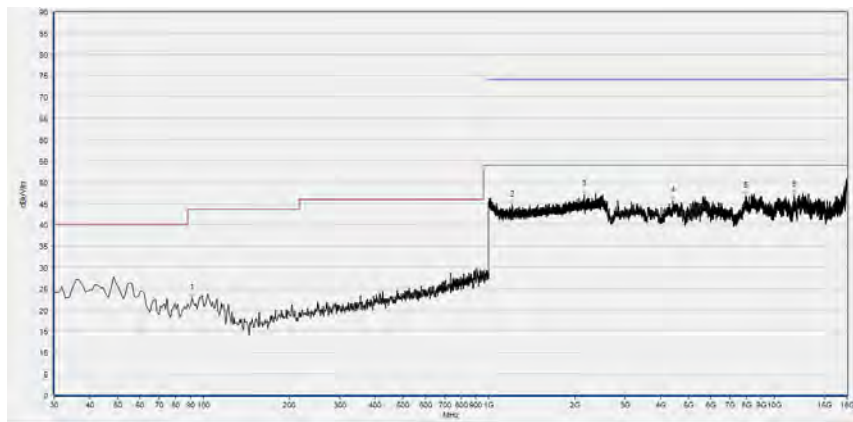


(Antenna Horizontal, 30MHz to 25GHz)



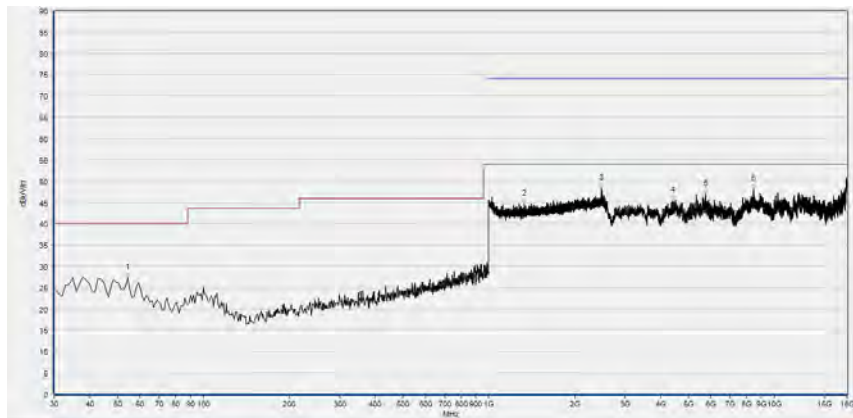
(Antenna Vertical, 30MHz to 25GHz)

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
91.171	22.88	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1208.069	44.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2160.387	47.09	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4423.725	45.57	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
7935.627	46.72	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
11770.994	46.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

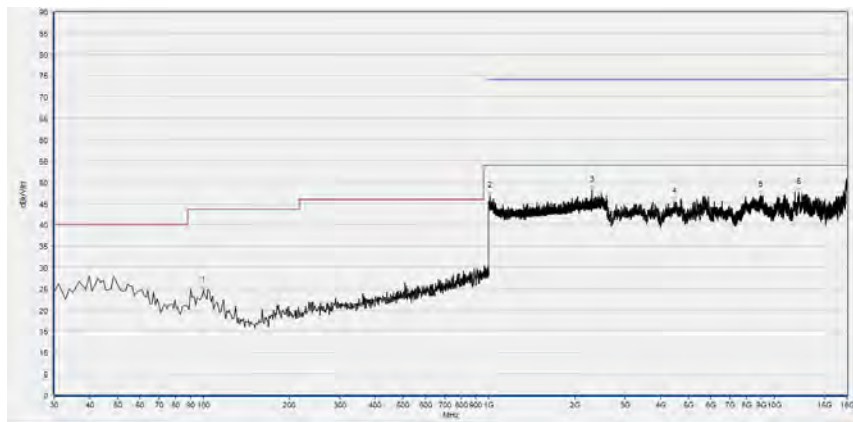
(Antenna Horizontal, 30MHz to 25GHz)



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
54.274	27.36	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1327.576	44.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2484.762	48.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4408.322	45.41	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5763.793	46.90	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8450.090	48.08	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

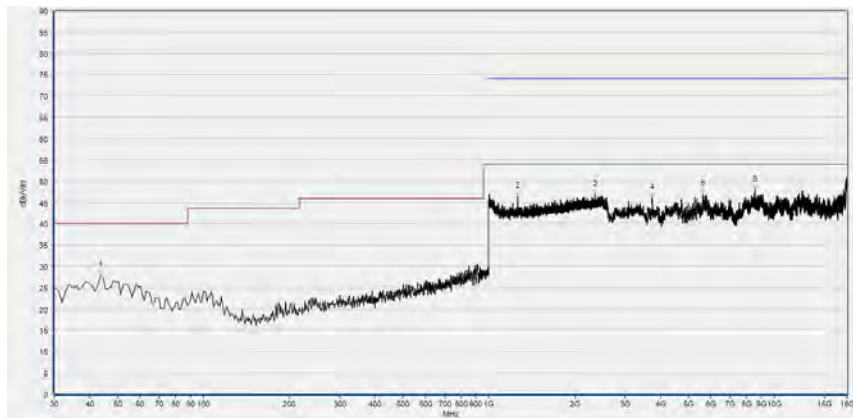
(Antenna Vertical, 30MHz to 25GHz)

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
99.910	24.58	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1009.603	46.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2295.365	48.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4473.015	45.39	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8973.795	46.93	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12149.910	47.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

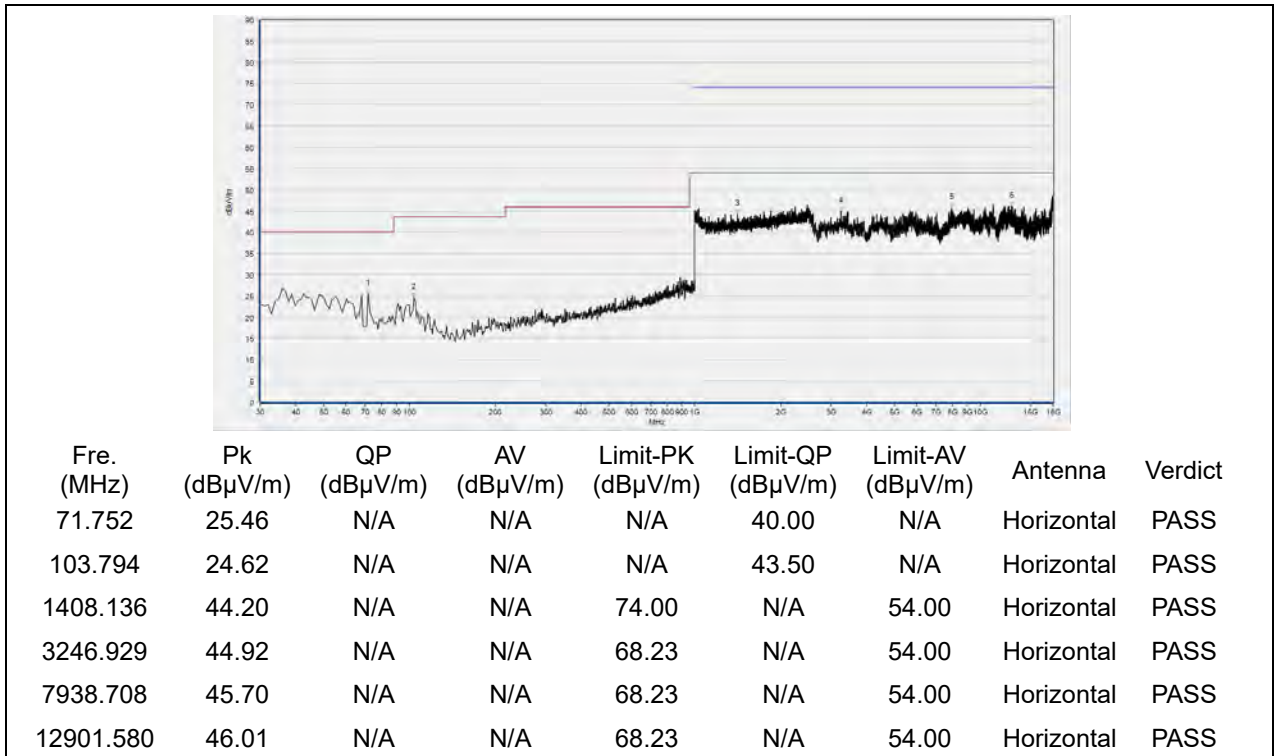
(Antenna Horizontal, 30MHz to 25GHz)



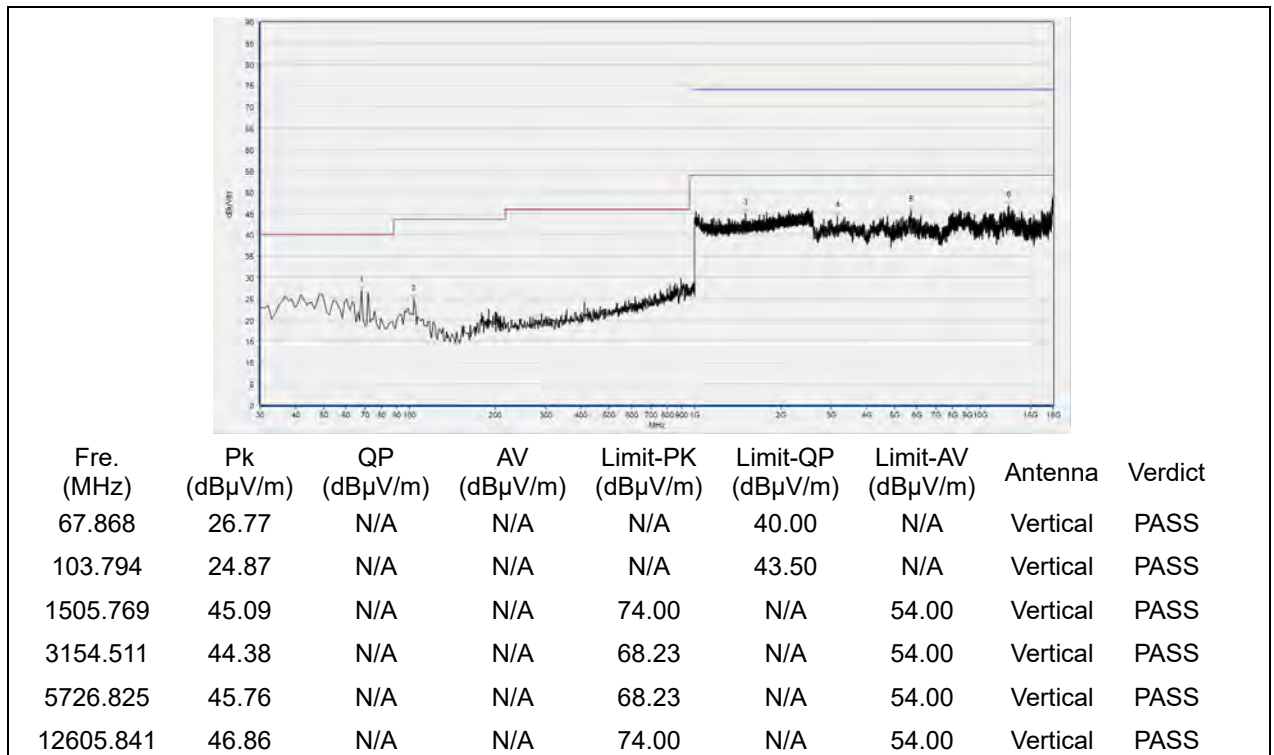
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
43.594	27.82	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1259.820	46.44	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
2357.786	46.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3739.828	46.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5631.326	46.97	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8576.395	47.88	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 151

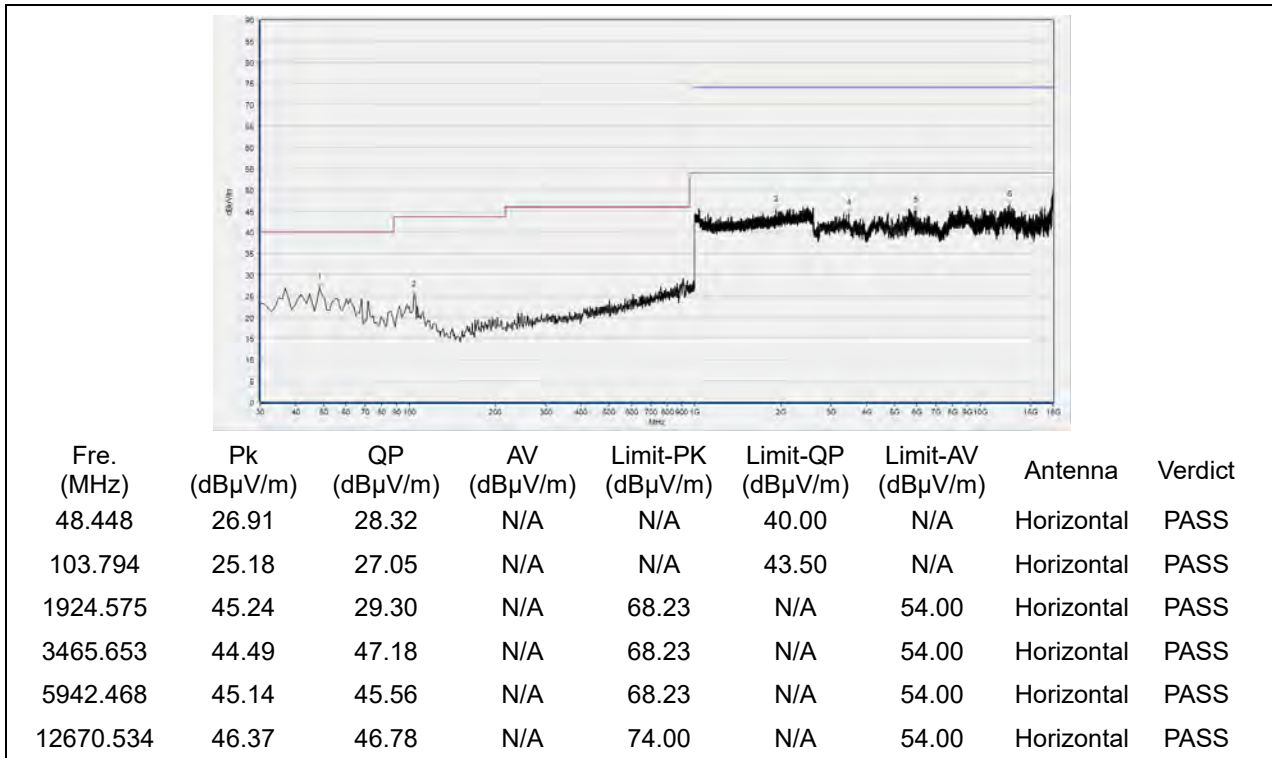


(Antenna Horizontal, 30MHz to 25GHz)

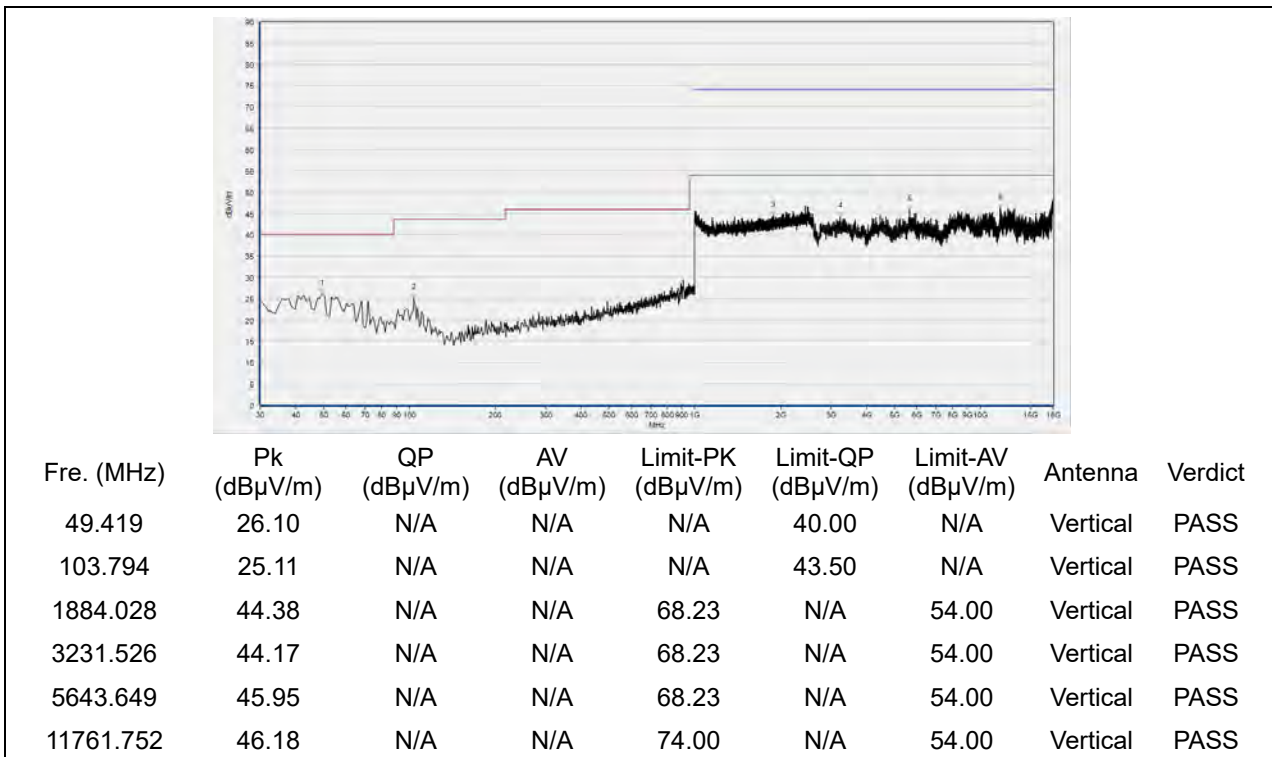


(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 159



(Antenna Horizontal, 30MHz to 25GHz)

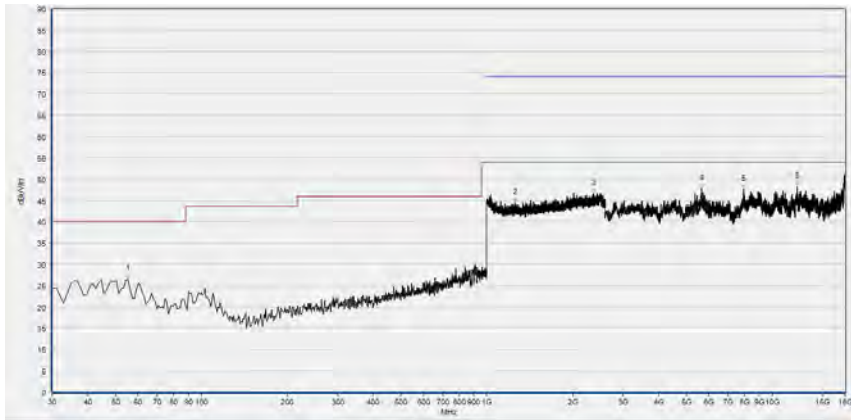


(Antenna Vertical, 30MHz to 25GHz)



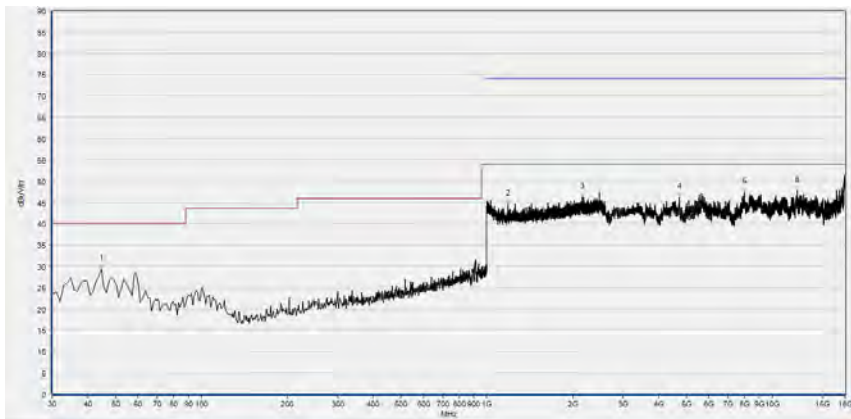
802.11ac (VHT80) Test mode

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
55.245	26.45	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1255.552	44.38	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
2363.121	46.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5646.729	47.78	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
7938.708	47.62	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12260.812	48.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

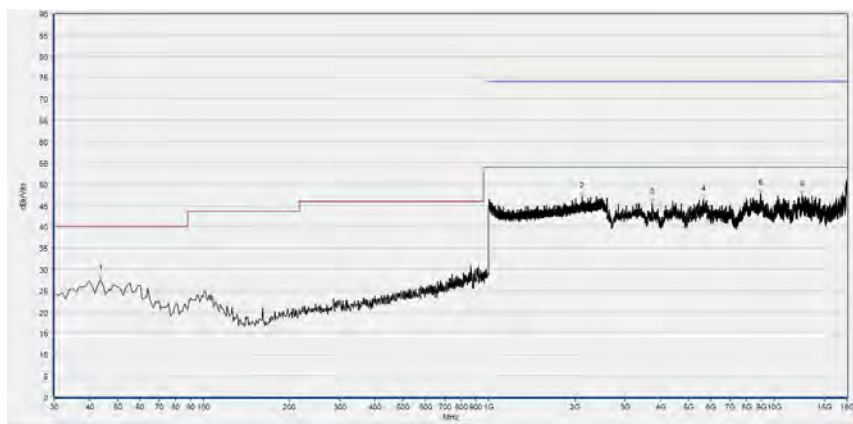
(Antenna Horizontal, 30MHz to 25GHz)



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
44.565	29.28	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1185.662	44.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2155.052	46.28	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4719.464	46.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7987.998	47.44	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12211.522	47.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

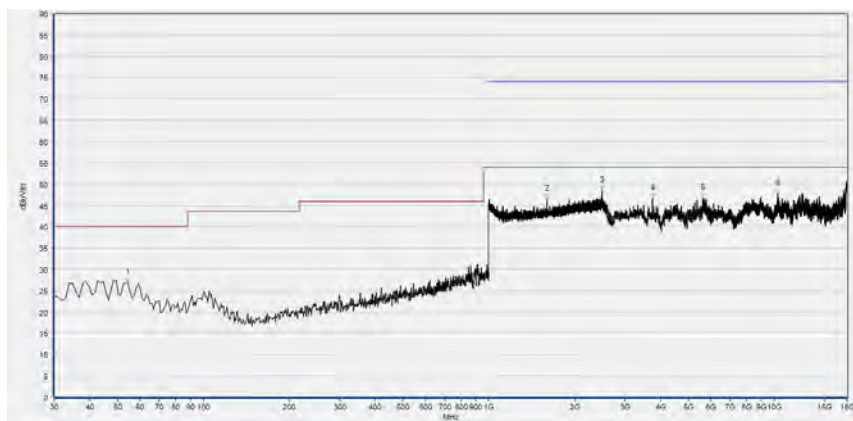
(Antenna Vertical, 30MHz to 25GHz)

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
43.594	27.58	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
2120.907	47.02	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
3742.909	45.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5637.487	46.36	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8955.311	47.72	N/A	N/A <td 68.23	N/A	54.00	Horizontal	PASS	
12547.309	47.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

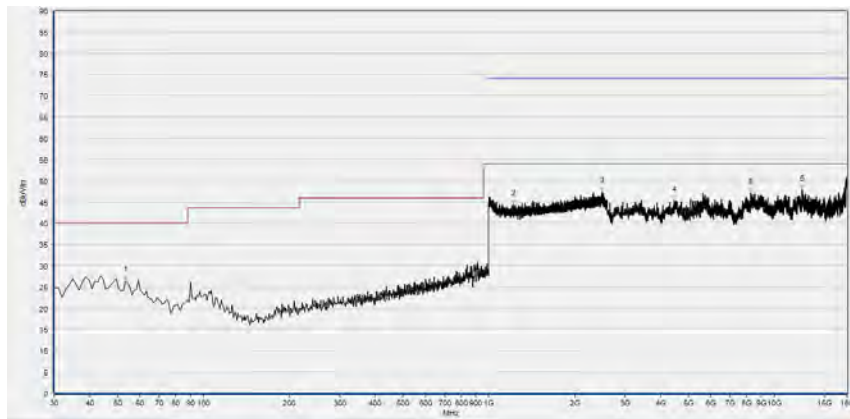
(Antenna Horizontal, 30MHz to 25GHz)



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
54.274	26.94	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1595.398	46.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2489.563	48.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3745.989	46.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5628.246	46.68	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
10276.895	47.71	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

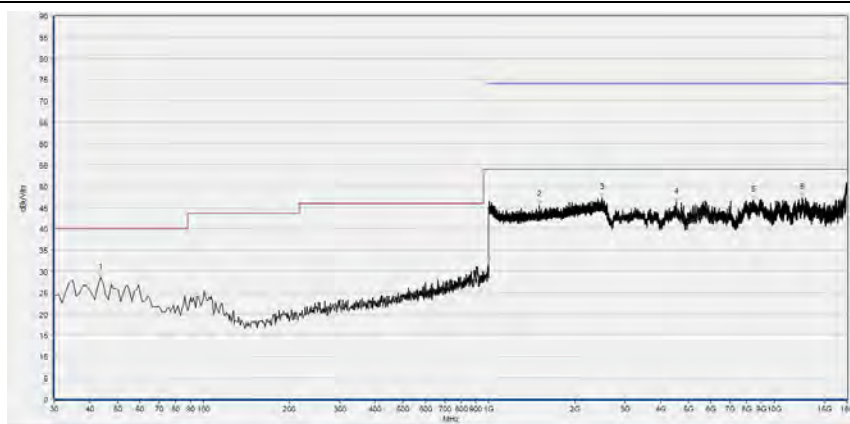
(Antenna Vertical, 30MHz to 25GHz)

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
53.303	26.52	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1217.139	44.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2488.496	47.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4457.612	45.39	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8283.737	47.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12510.342	47.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

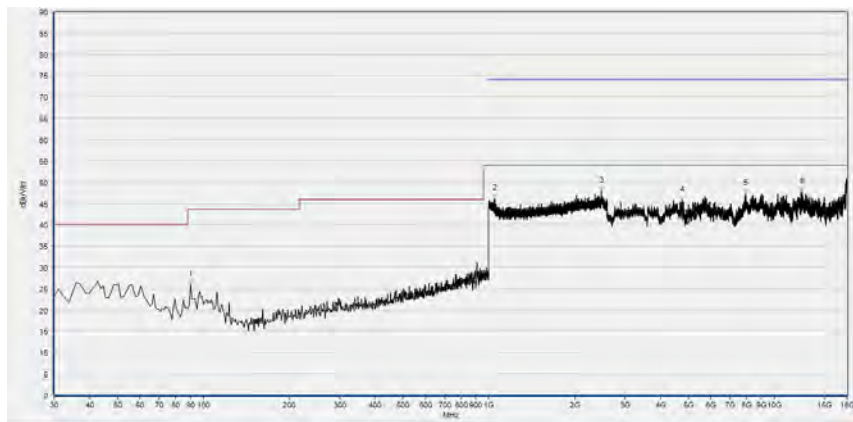
(Antenna Horizontal, 30MHz to 25GHz)



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
43.594	28.53	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1505.769	45.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2493.298	47.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4537.708	46.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8462.412	46.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12547.309	47.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

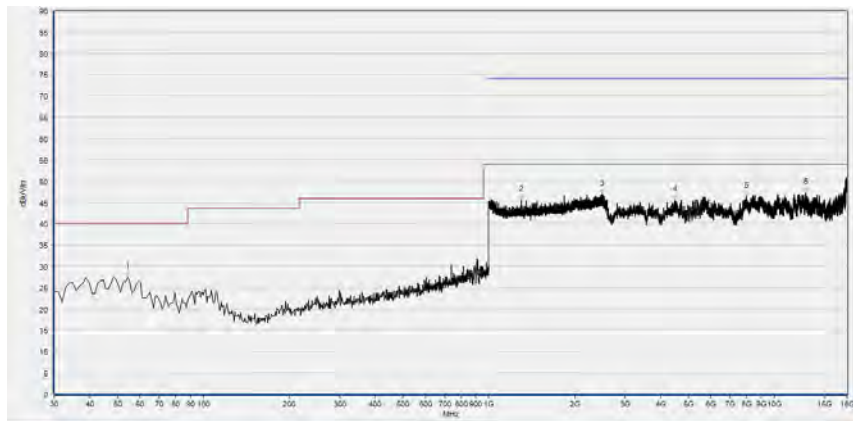
(Antenna Vertical, 30MHz to 25GHz)

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
90.200	26.05	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1049.617	46.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2479.426	47.94	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4744.109	45.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7941.788	47.33	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12507.261	47.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

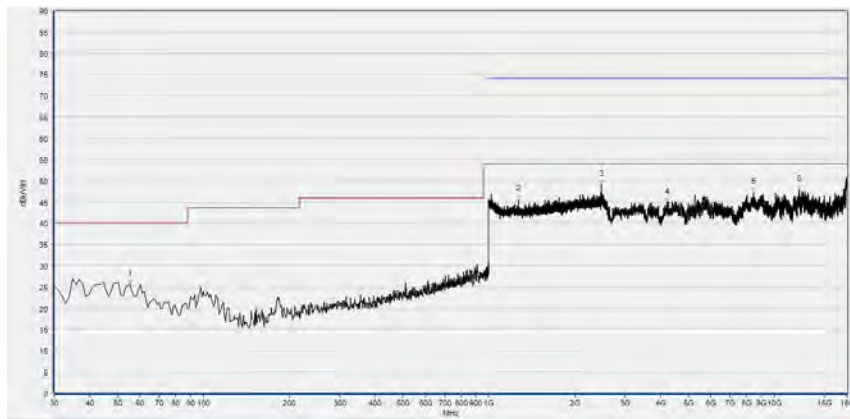
(Antenna Horizontal, 30MHz to 25GHz)



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
54.274	27.52	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1300.367	45.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2489.030	46.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4488.418	45.56	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
7997.239	46.36	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12898.500	47.34	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

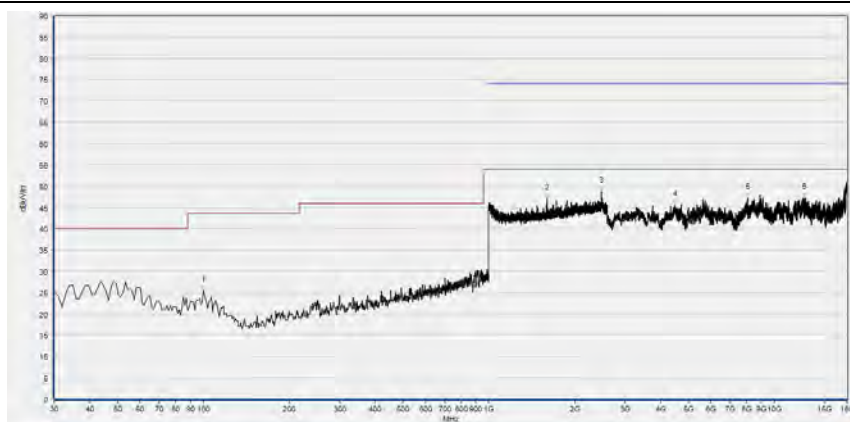
(Antenna Vertical, 30MHz to 25GHz)

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
55.245	25.58	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1268.356	45.57	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
2479.426	49.11	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4217.323	44.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8456.251	47.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12239.248	47.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

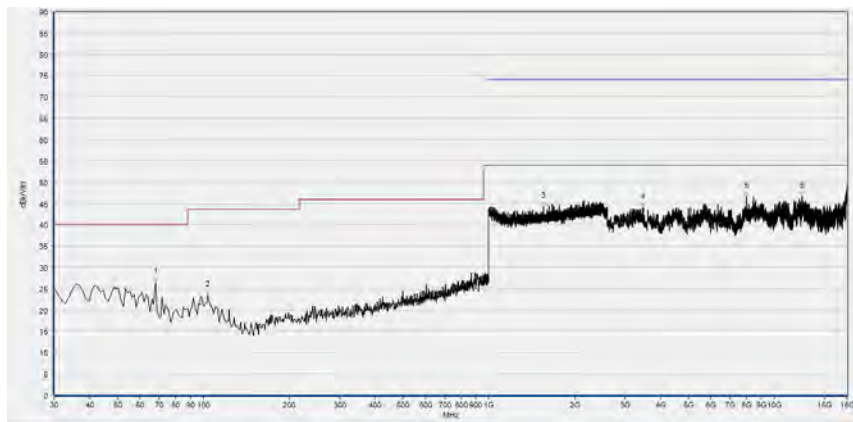
(Antenna Horizontal, 30MHz to 25GHz)



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
99.910	25.42	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1599.667	47.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2479.960	48.74	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4488.418	45.57	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8071.174	47.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12772.194	47.18	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

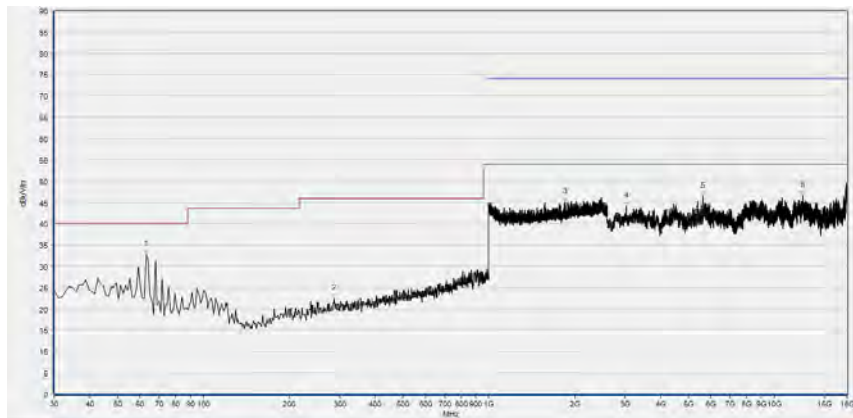
(Antenna Vertical, 30MHz to 25GHz)

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
67.868	26.50	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
103.794	23.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1557.519	44.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3459.492	44.04	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
7987.998	46.58	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12510.342	46.54	N/A	N/A	74.00	N/A	54.00	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	32.66	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
287.307	22.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1846.149	45.03	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
3025.125	44.09	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5634.407	46.36	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12618.164	46.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)



2.10. Automatically discontinue transmission requirement

2.10.1. 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

2.10.2. 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

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) (30MHz-26GHz)	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

END OF REPORT