



A.8. Restricted Frequency Bands

The lowest and highest channels are tested to verify the Restricted Frequency Bands.

The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V/m]} = U_R + A_T + A_{\text{Factor}} \text{ [dB]}; A_T = L_{\text{Cable loss}} \text{ [dB]} - G_{\text{preamp}} \text{ [dB]}$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

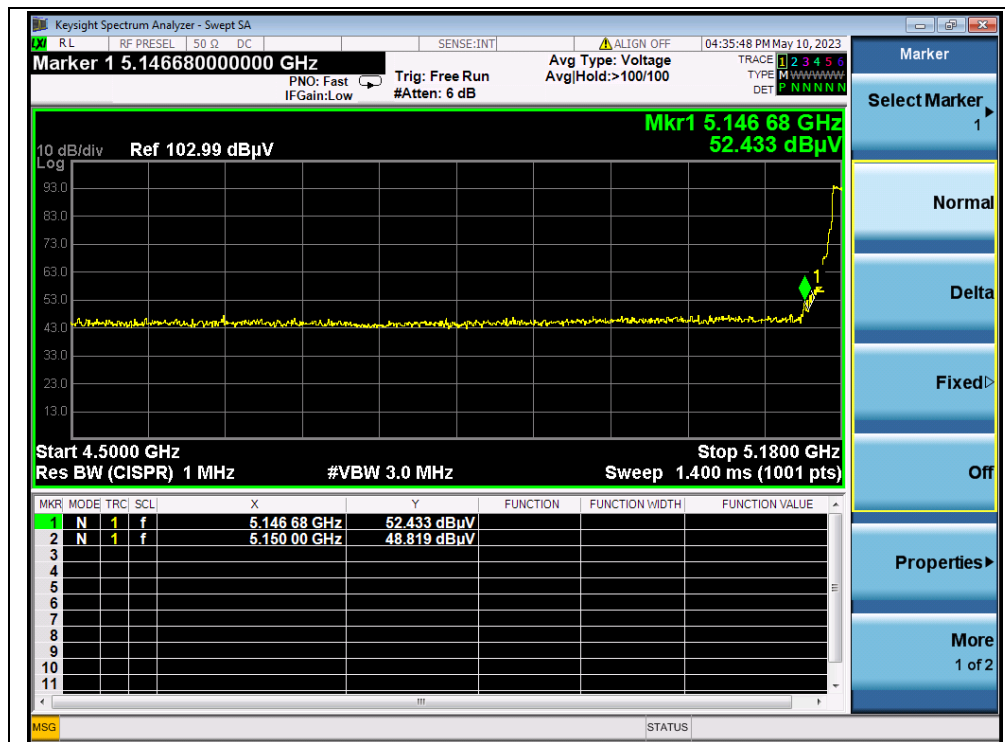
A_{Factor} : Antenna Factor at 3m

Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

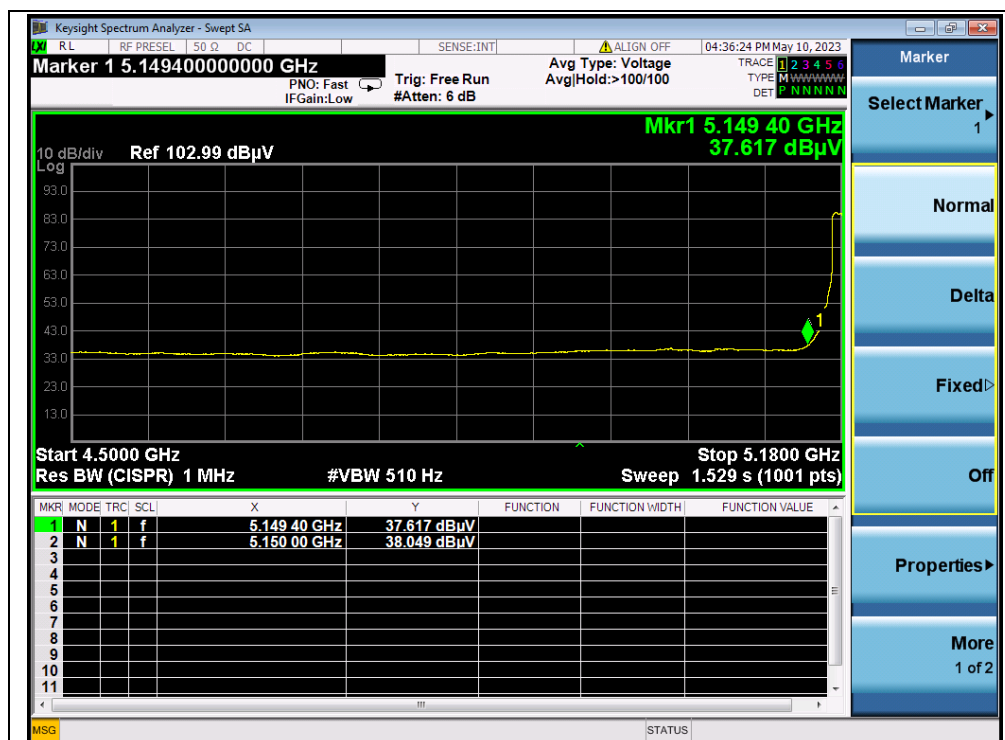
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
36	5146.68	PK	52.43	-19.54	32.20	65.09	74	PASS
36	5150.00	AV	38.05	-19.54	32.20	50.71	54	PASS
64	5350.24	PK	53.38	-18.80	32.20	66.78	74	PASS
64	5350.00	AV	38.91	-18.80	32.20	52.31	54	PASS
100	5401.00	PK	33.86	-19.20	32.20	46.86	74	PASS
100	5467.50	AV	43.40	-19.20	32.20	56.40	54	PASS
144	5726.40	PK	49.23	-19.20	32.20	62.23	68.23	PASS
149	5725.00	PK	46.89	-19.01	32.20	60.08	122.23	PASS
165	5855.00	PK	43.83	-19.01	32.20	57.02	110.83	PASS



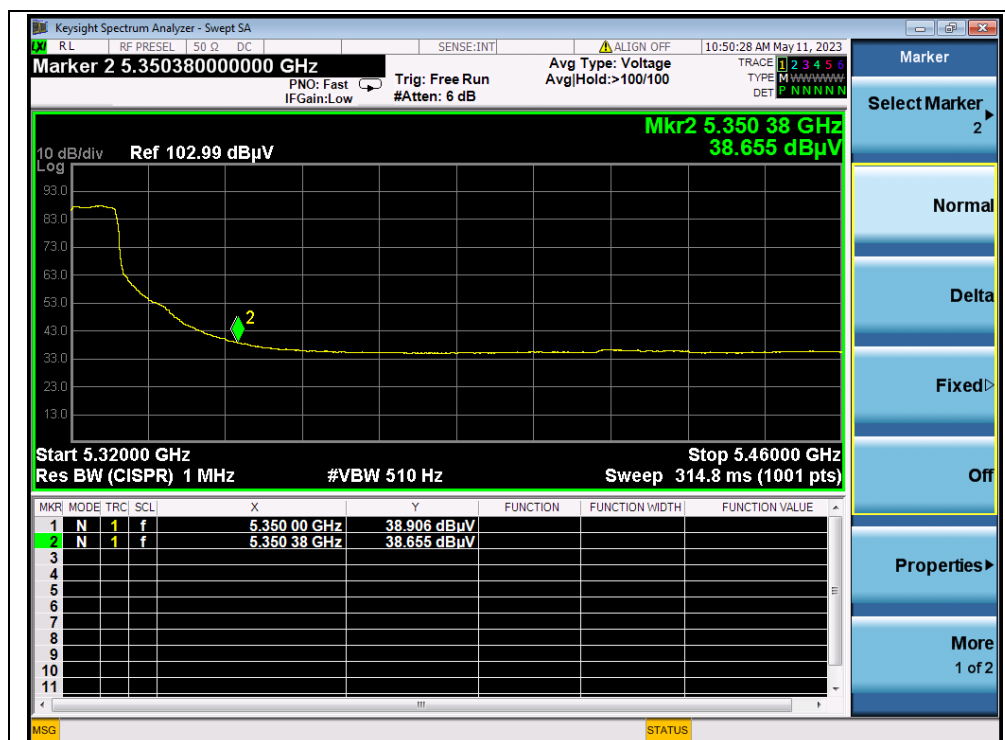
(PEAK, Channel 36, 802.11a)



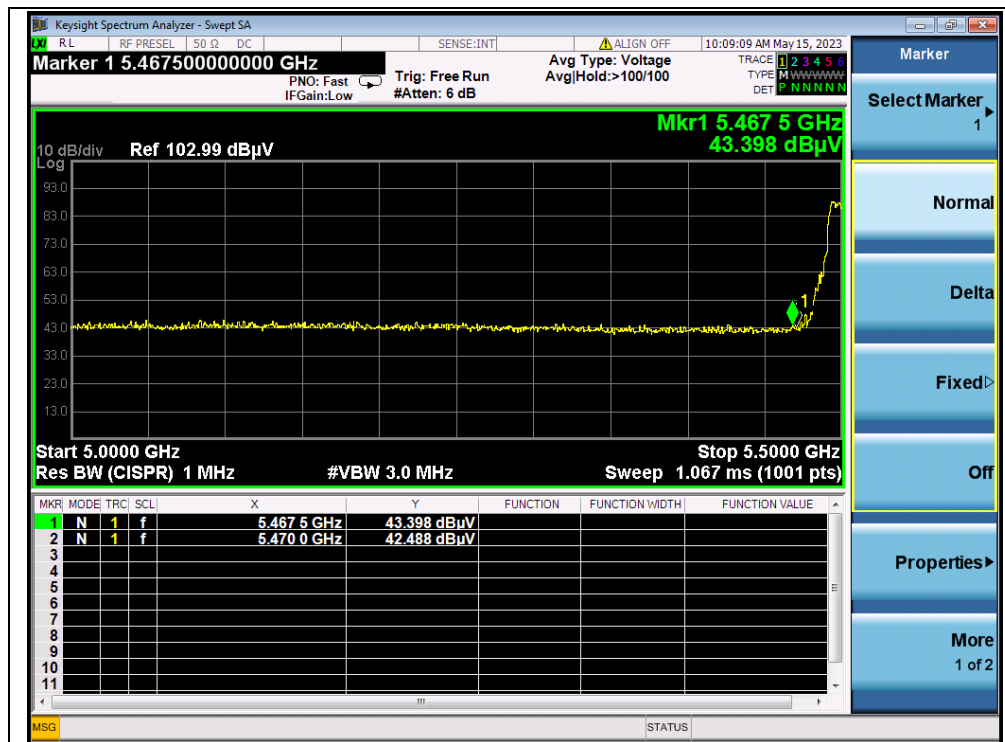
(AVERAGE, Channel 36, 802.11a)



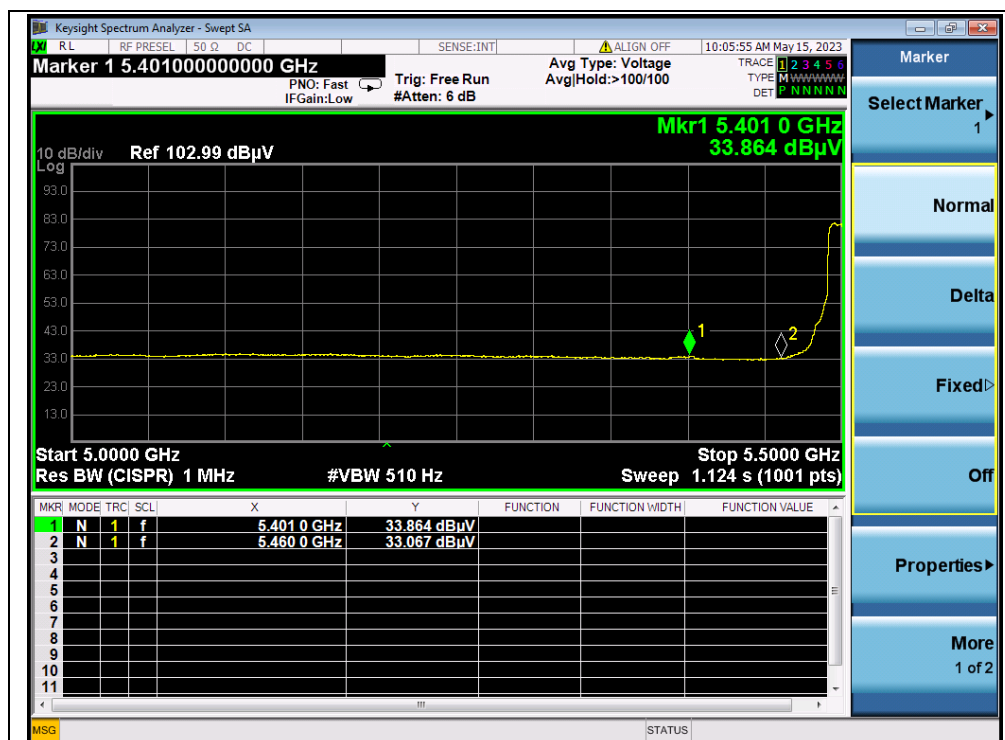
(PEAK, Channel 64, 802.11a)



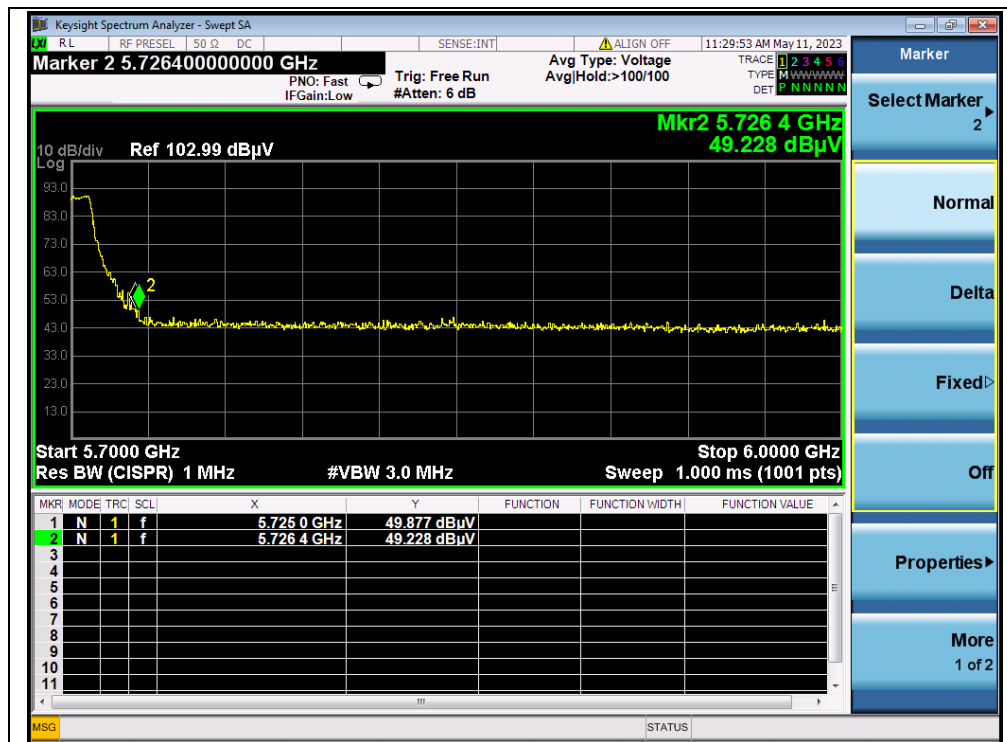
(AVERAGE, Channel 64, 802.11a)



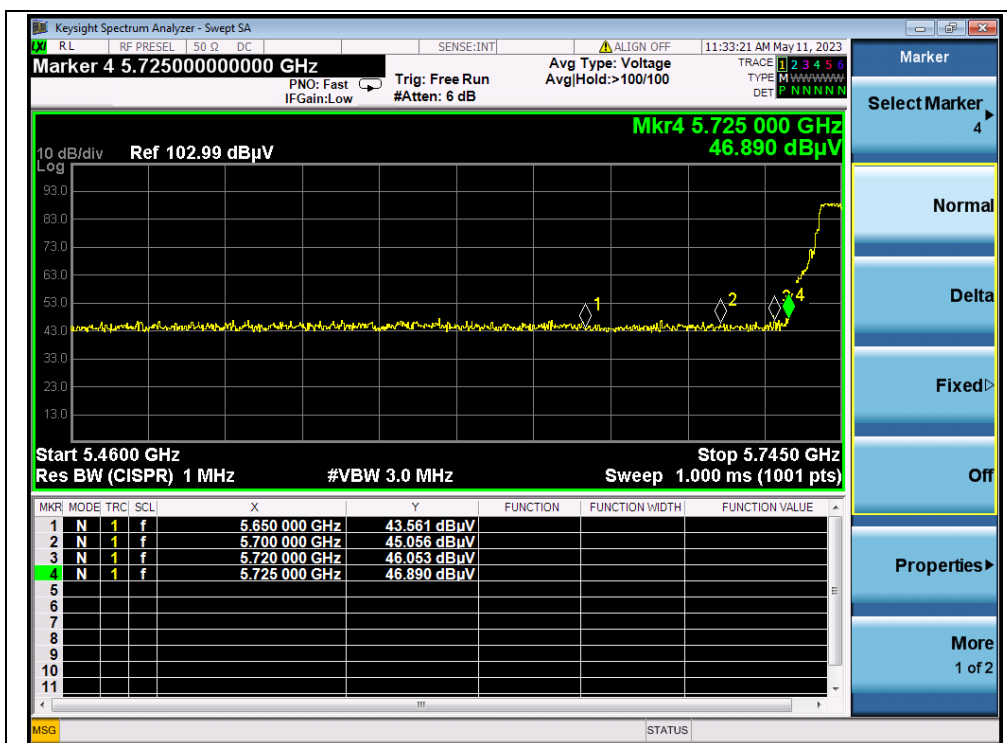
(PEAK, Channel 100, 802.11a)



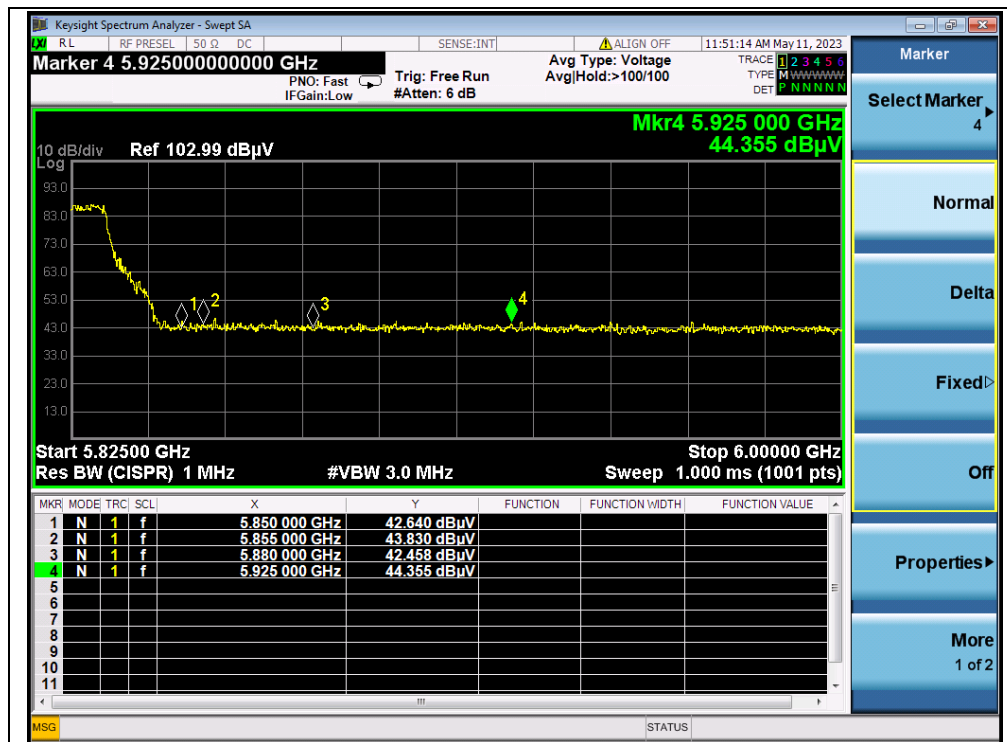
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)

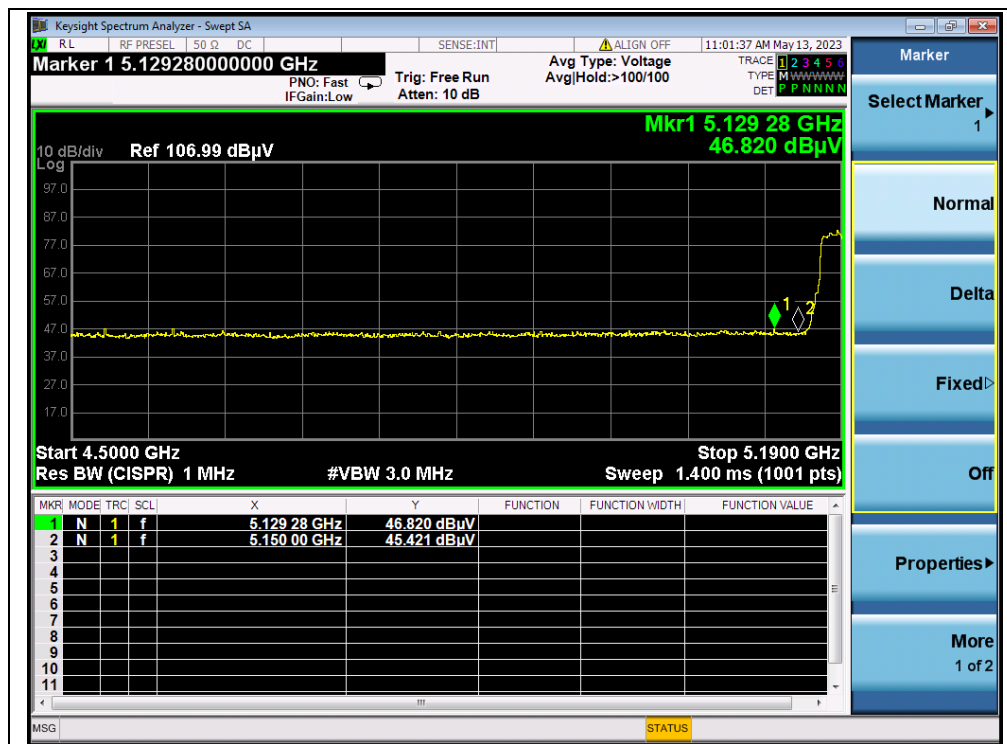


(PEAK, Channel 165, 802.11a)

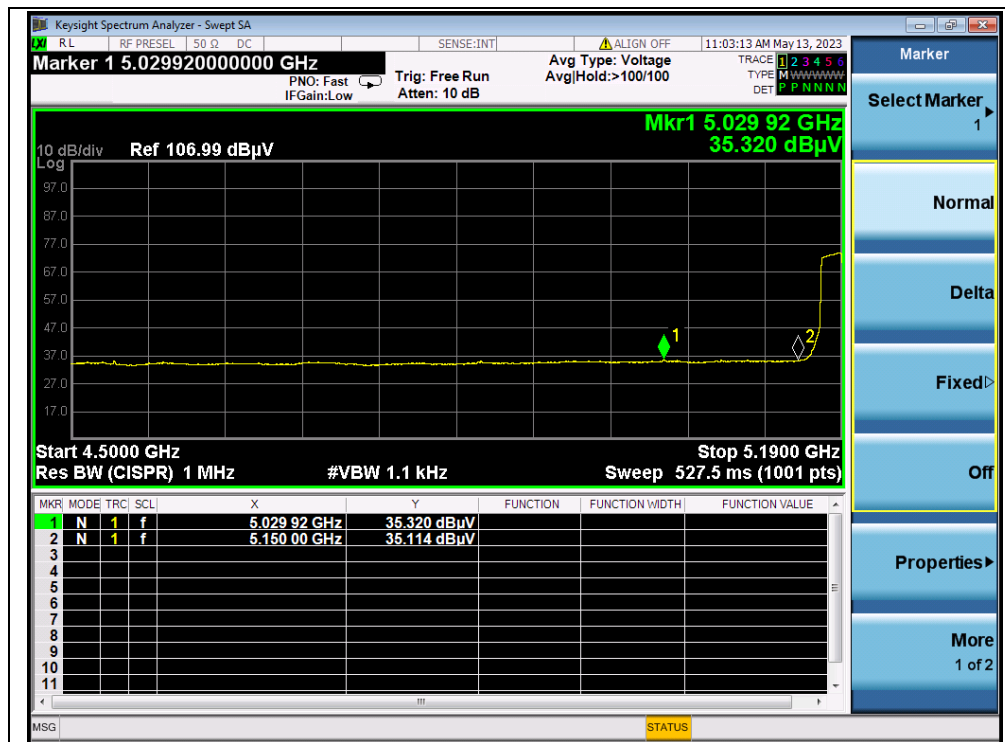


802.11n (HT40) Mode

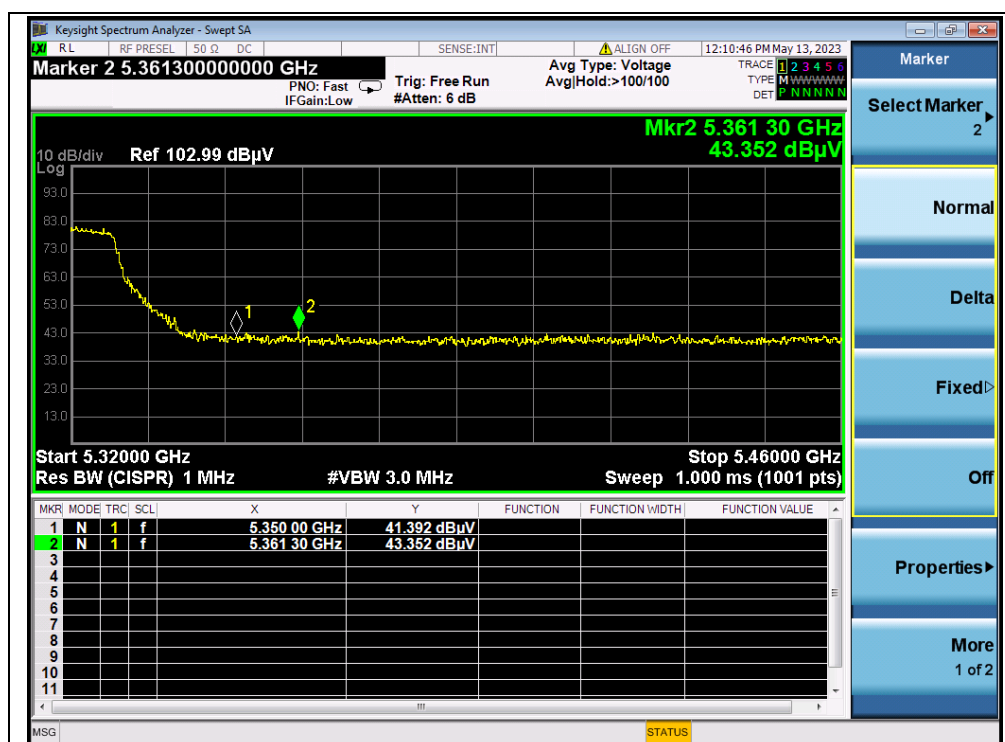
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
38	5129.28	PK	46.82	-19.54	32.20	59.48	74	PASS
38	5029.92	AV	35.32	-19.54	32.20	47.98	54	PASS
62	5361.30	PK	43.35	-18.80	32.20	56.75	74	PASS
62	5351.78	AV	33.13	-18.80	32.20	46.53	54	PASS
102	5390.15	PK	33.86	-19.20	32.20	46.86	74	PASS
102	5469.20	AV	45.29	-19.20	32.20	58.29	54	PASS
142	5733.69	PK	46.61	-19.20	32.20	59.61	68.23	PASS
151	5725.00	PK	49.88	-19.01	32.20	63.07	122.23	PASS
159	5855.00	PK	44.02	-19.01	32.20	57.21	110.83	PASS



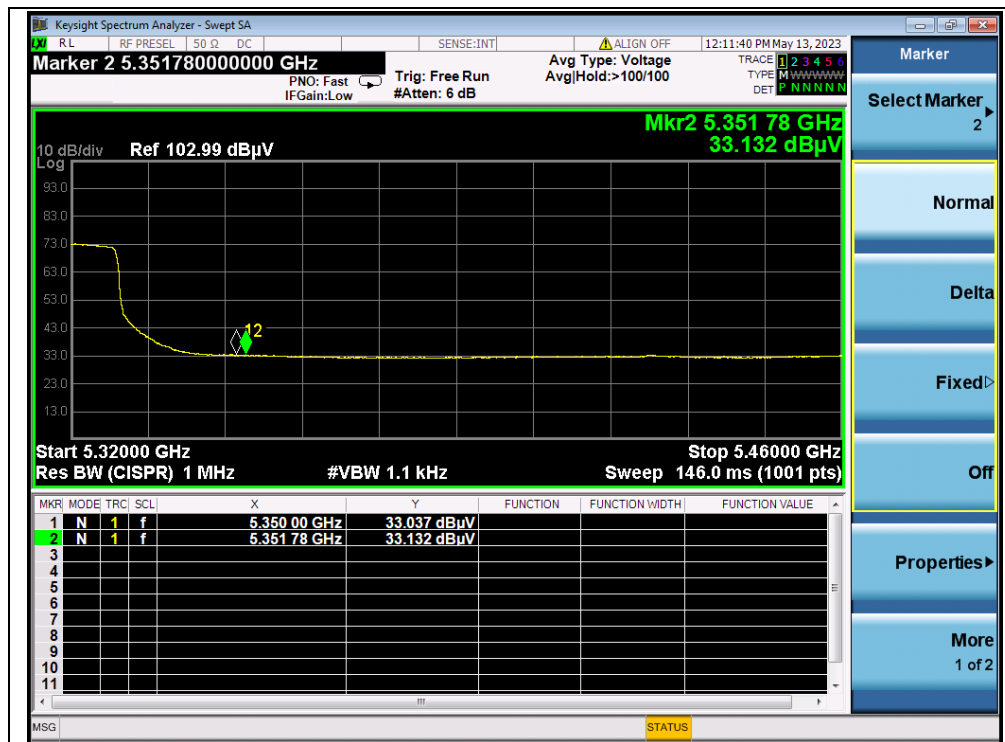
(PEAK, Channel 38, 802.11n (HT40))



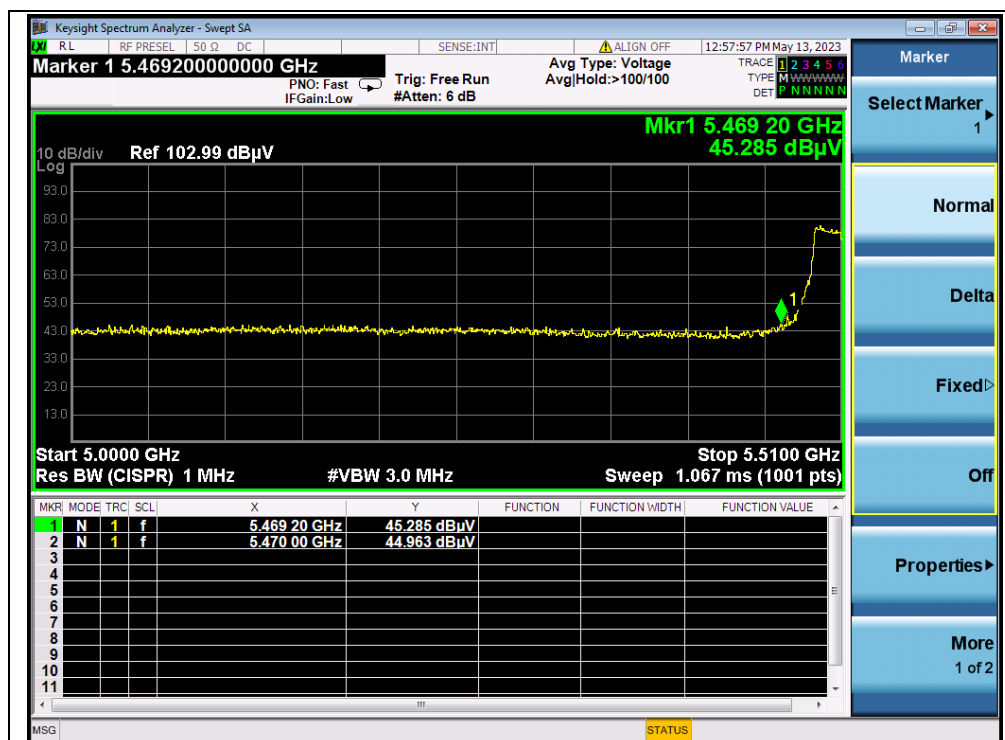
(AVERAGE, Channel 38, 802.11n (HT40))



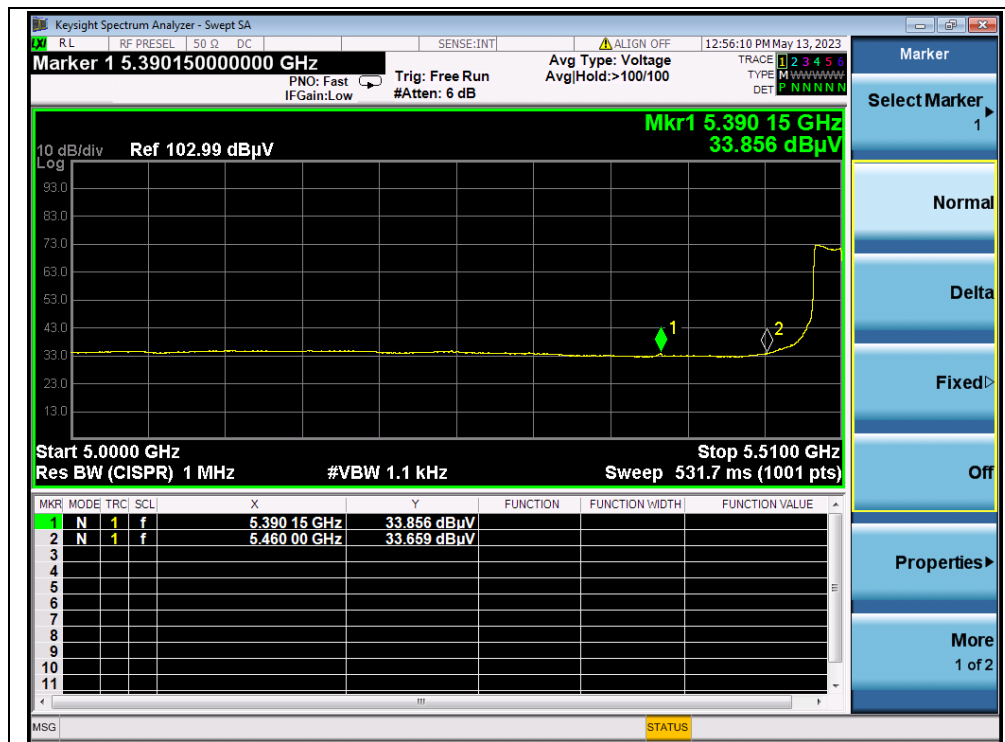
(PEAK, Channel 62, 802.11n (HT40))



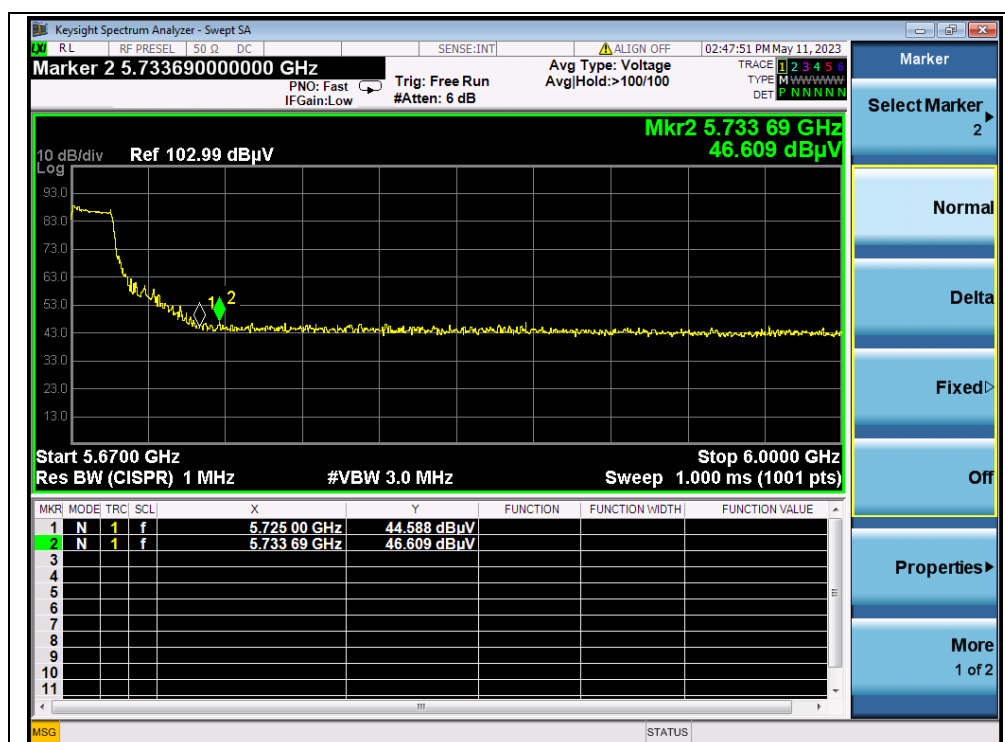
(AVERAGE, Channel 62, 802.11n (HT40))



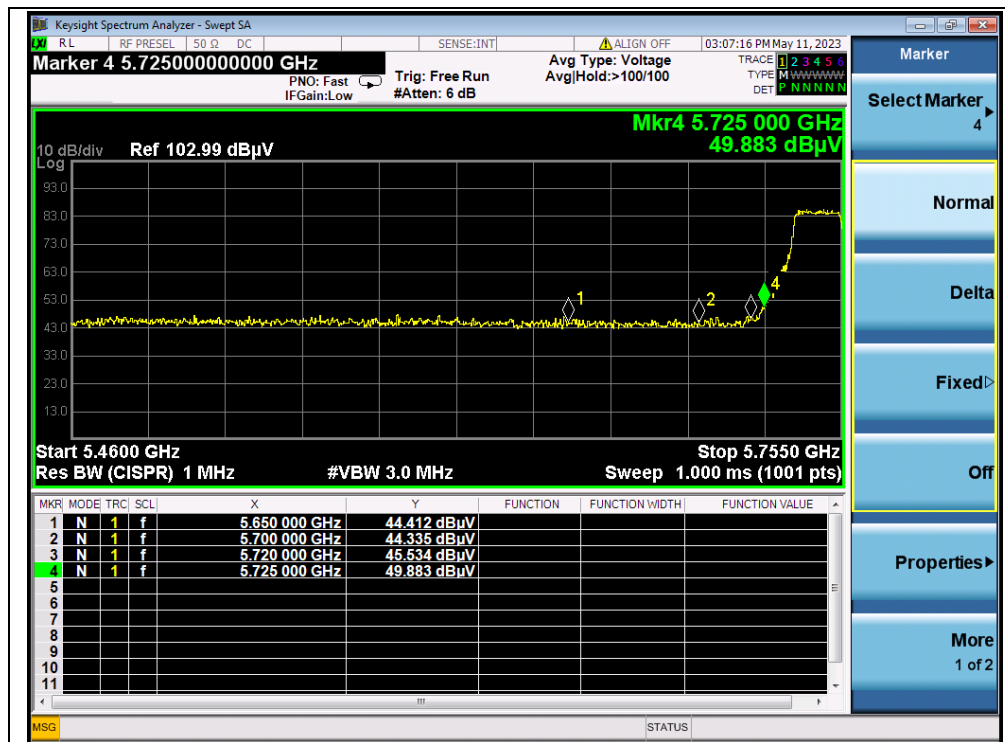
(PEAK, Channel 102, 802.11n (HT40))



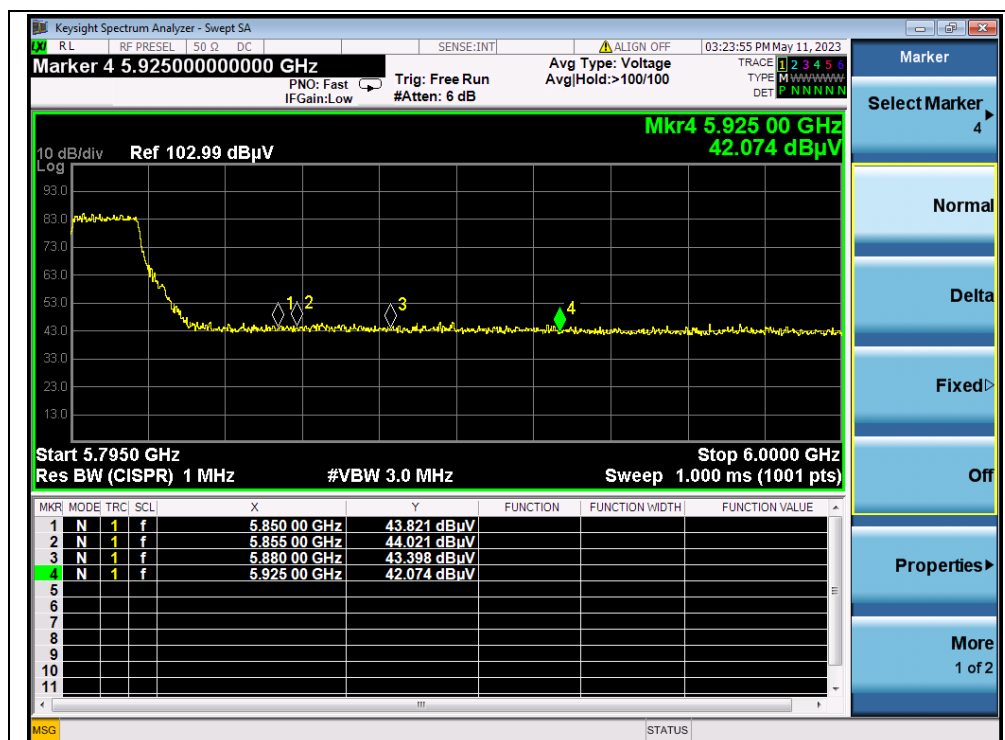
(AVERAGE, Channel 102, 802.11n (HT40))



(PEAK, Channel 142, 802.11n (HT40))



(PEAK, Channel 151, 802.11n (HT40))

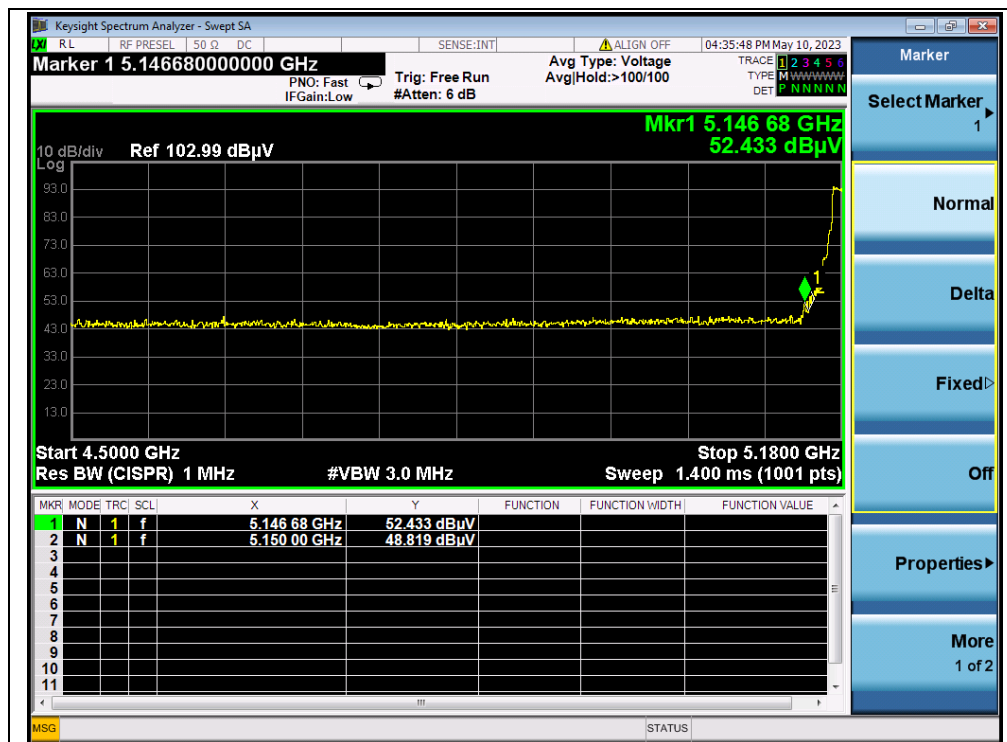


(PEAK, Channel 159, 802.11n (HT40))

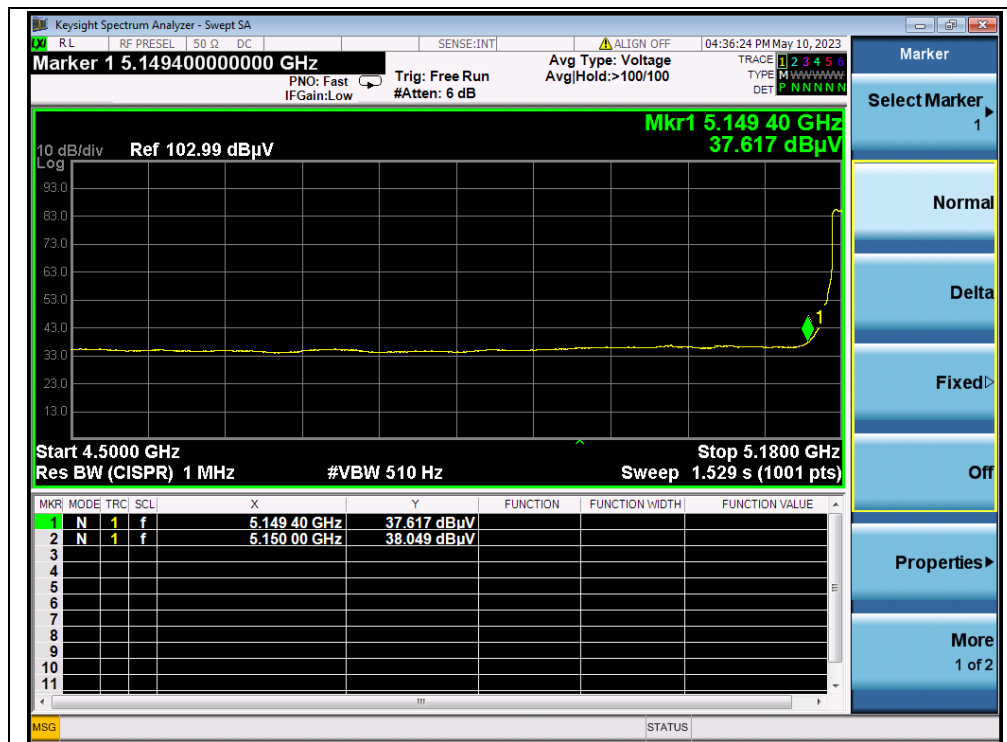


802.11ax (HEW20) Mode

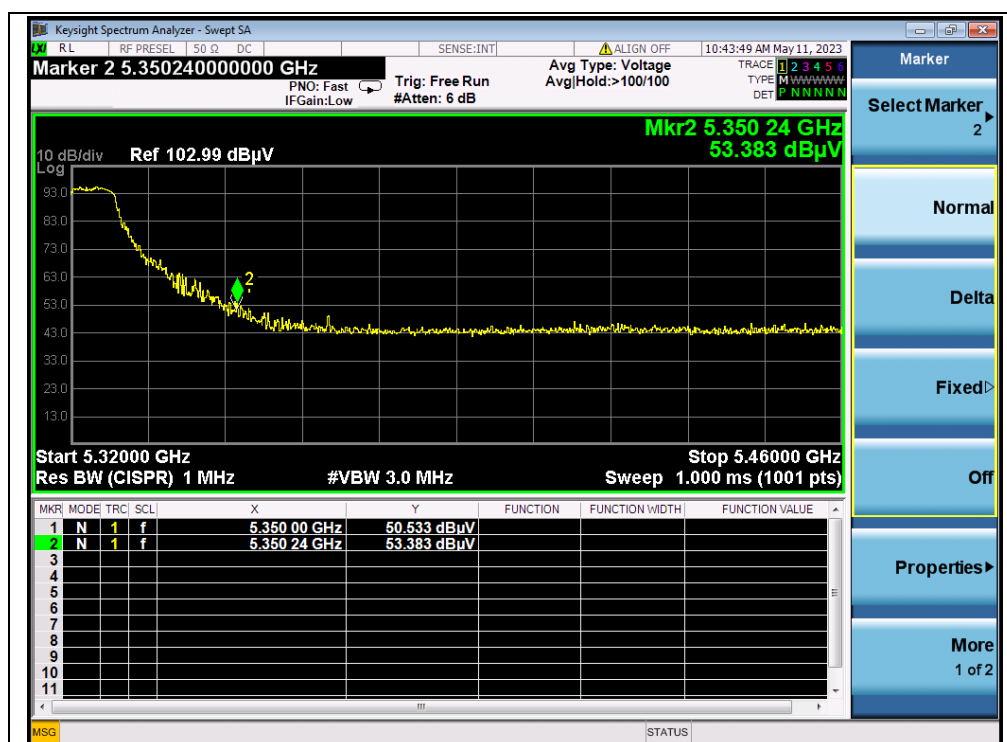
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
36	5146.00	PK	52.78	-19.54	32.20	65.44	74	PASS
36	5150.00	AV	39.97	-19.54	32.20	52.63	54	PASS
64	5351.08	PK	50.65	-18.80	32.20	64.05	74	PASS
64	5350.00	AV	37.42	-18.80	32.20	50.82	54	PASS
100	5470.00	PK	48.23	-19.20	32.20	61.23	74	PASS
100	5459.50	AV	33.86	-19.20	32.20	46.86	54	PASS
144	5725.00	PK	49.93	-19.20	32.20	62.93	68.23	PASS
149	5723.58	PK	48.64	-19.01	32.20	61.83	118.99	PASS
165	5855.00	PK	42.01	-19.01	32.20	55.20	110.83	PASS



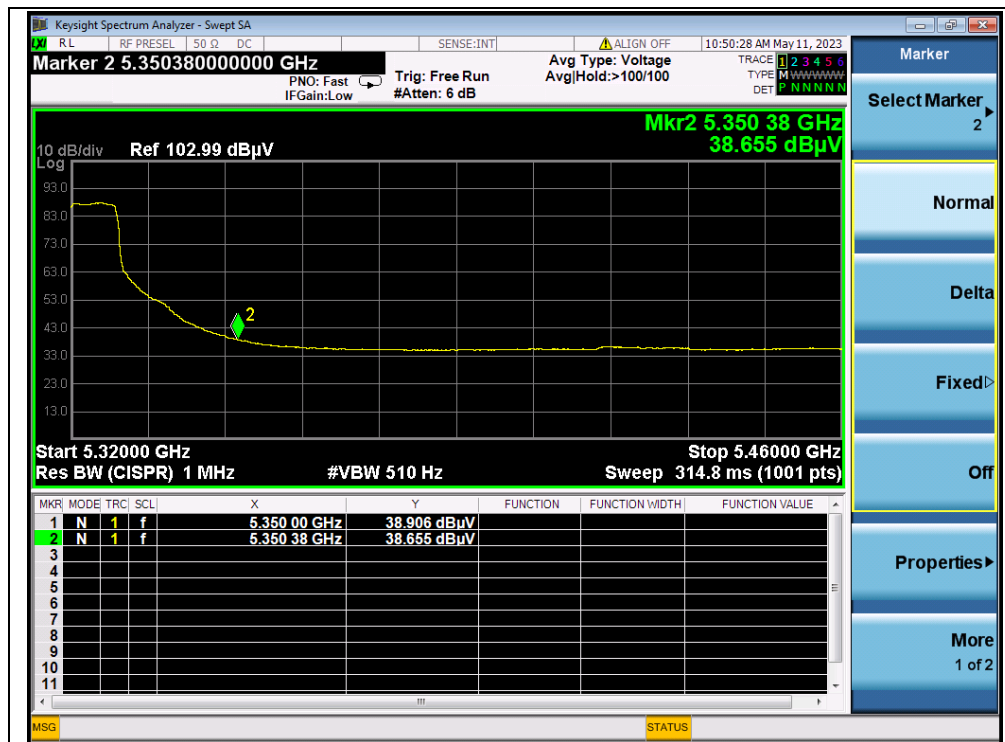
(PEAK, Channel 36, 802.11ax (HEW20))



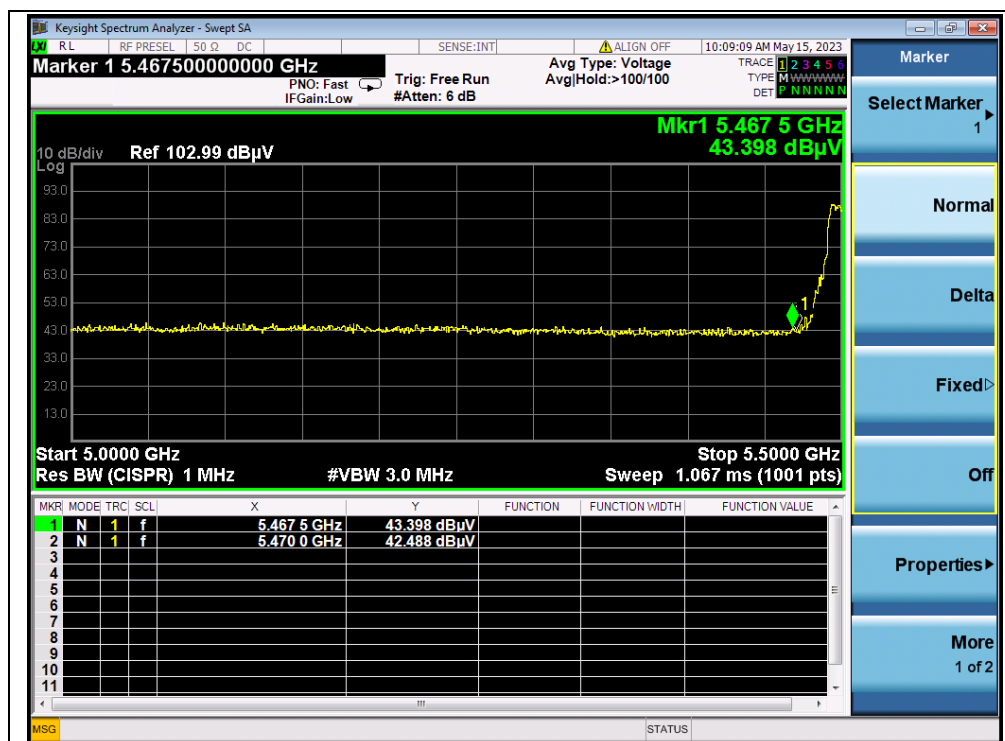
(AVERAGE, Channel 36, 802.11ax (HEW20))



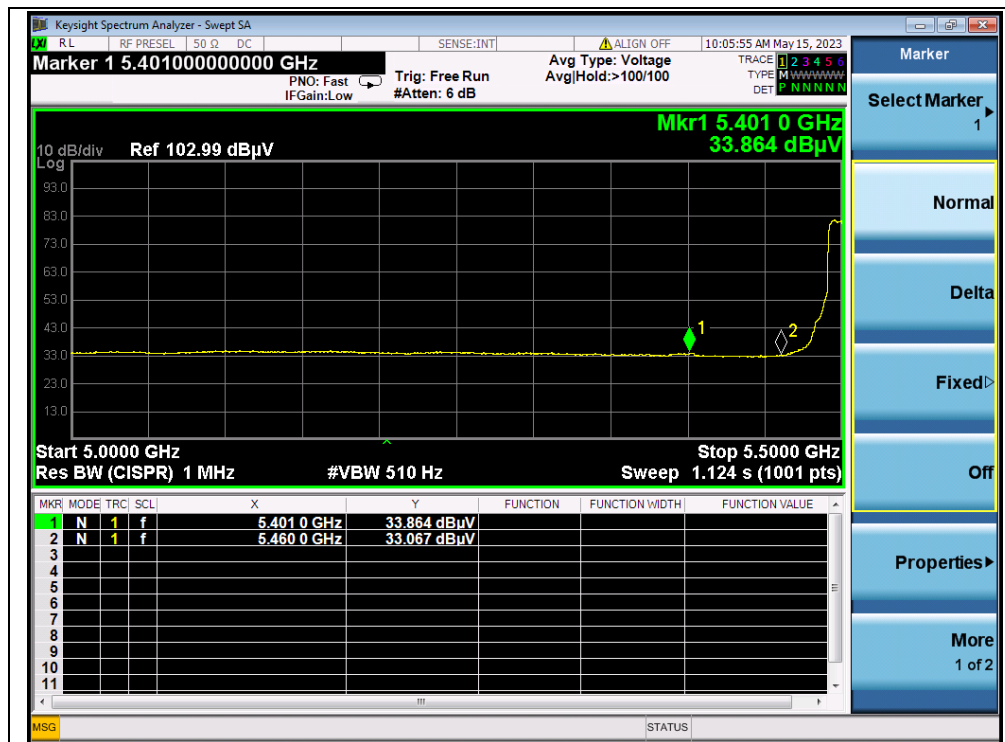
(PEAK, Channel 64, 802.11ax (HEW20))



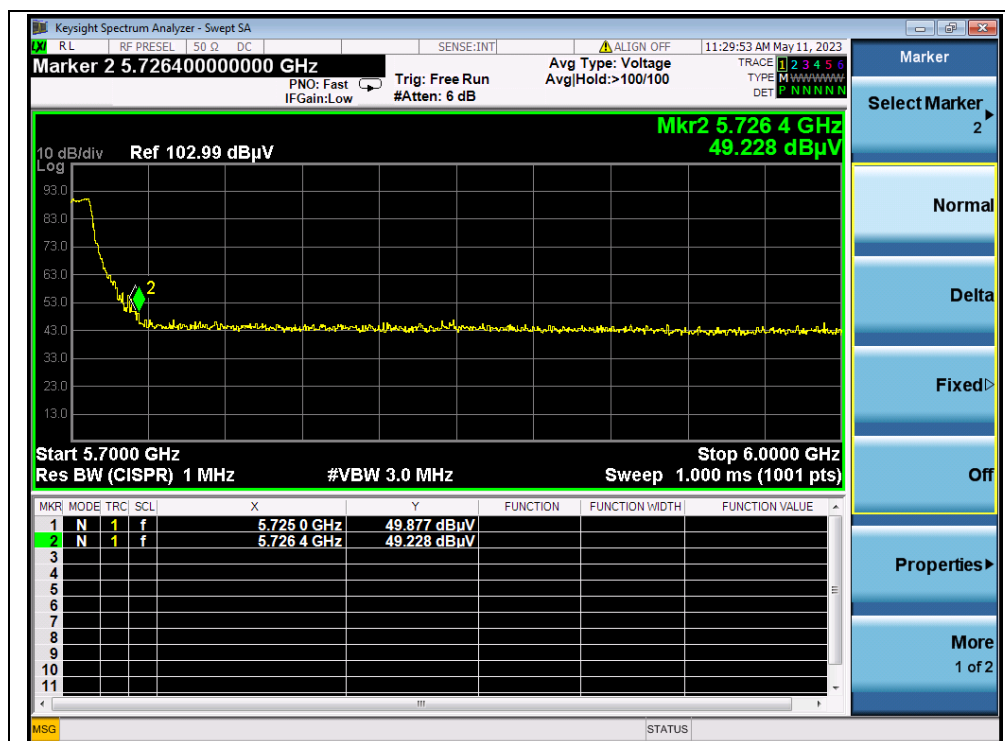
(AVERAGE, Channel 64, 802.11ax (HEW20))



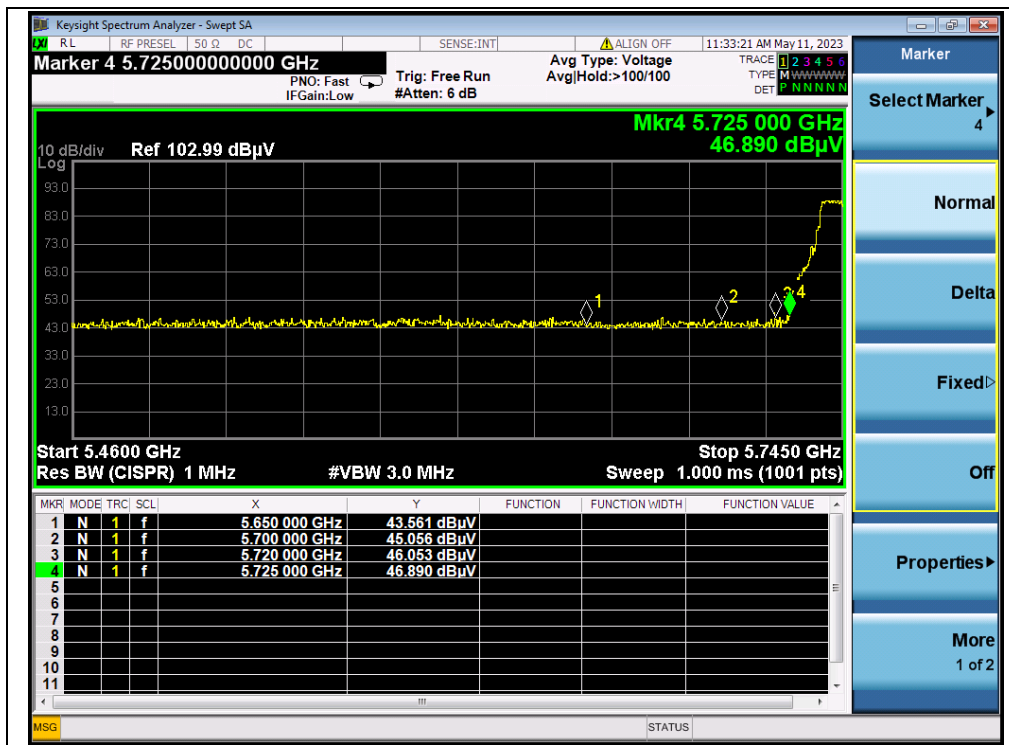
(PEAK, Channel 100, 802.11ax (HEW20))



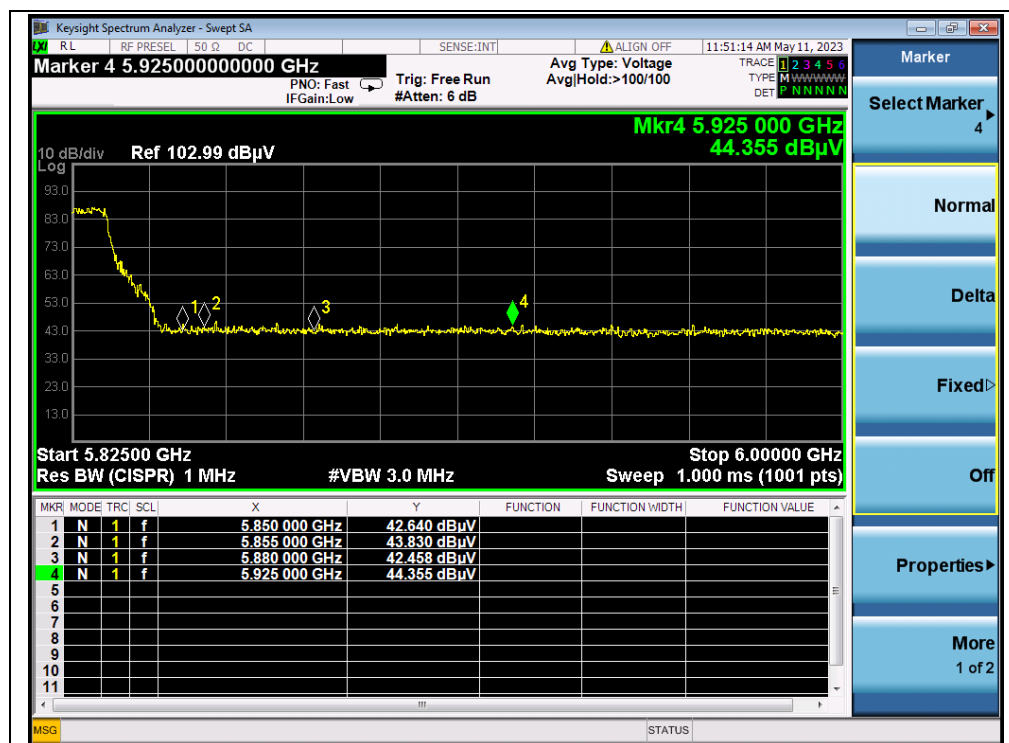
(AVERAGE, Channel 100, 802.11ax (HEW20))



(PEAK, Channel 144, 802.11ax (HEW20))



(PEAK, Channel 149, 802.11ax (HEW20))



(PEAK, Channel 165, 802.11ax (HEW20))



A.9. Radiated Emission

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V/m}] = U_R + A_T + A_{\text{Factor}} [\text{dB}]; A_T = L_{\text{Cable loss}} [\text{dB}] - G_{\text{preamp}} [\text{dB}]$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

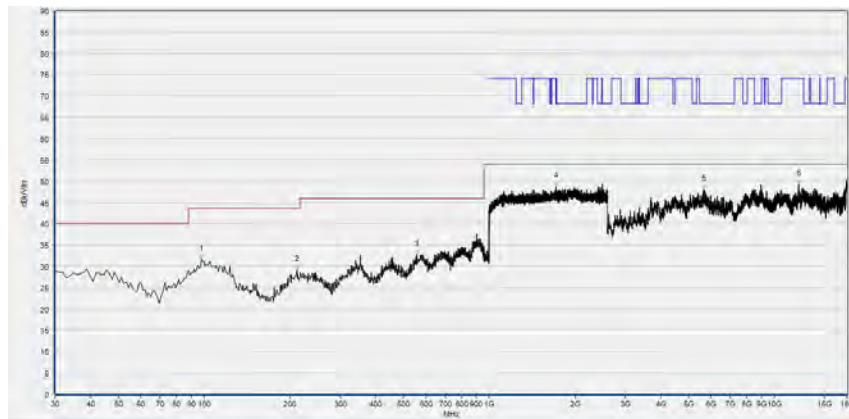
During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

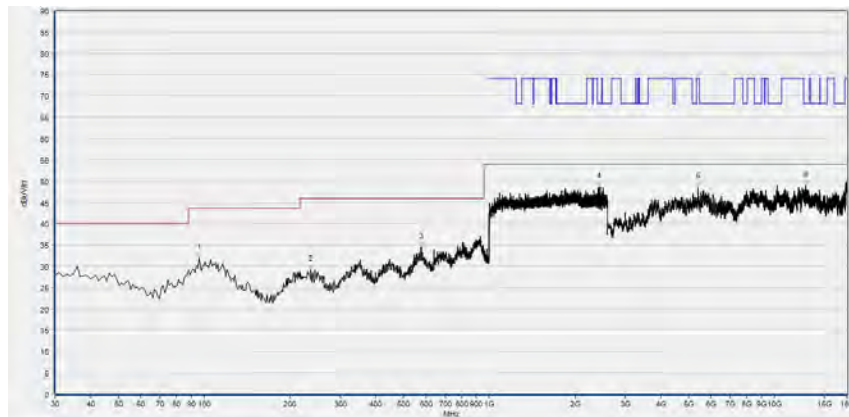
Note3: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note 4: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

**802.11a Mode****Plot 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
97.900	31.73	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
211.390	29.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
556.710	32.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1715.200	48.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5664.600	48.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12184.960	49.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

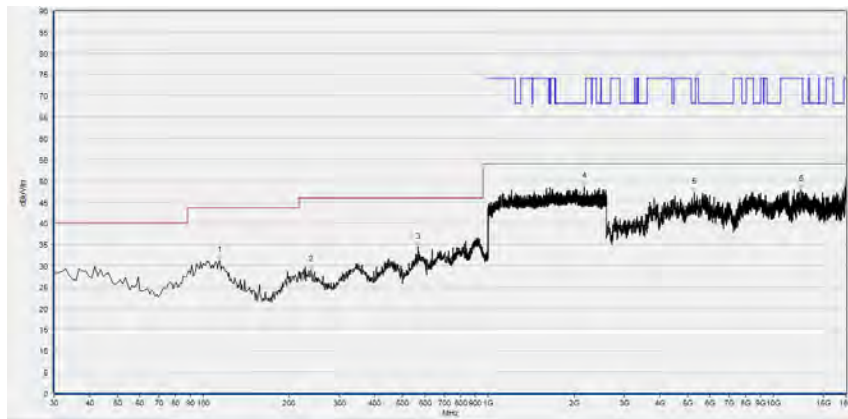


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
95.960	32.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
236.610	29.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
576.110	34.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2417.067	48.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5402.800	48.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12902.600	48.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

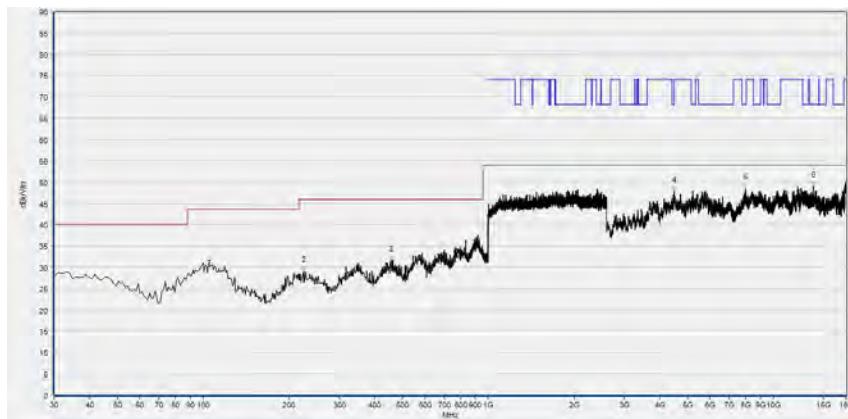


Plot for Channel 44



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
114.390	31.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
239.520	29.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
568.350	34.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2177.067	48.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5288.840	47.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12499.120	47.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

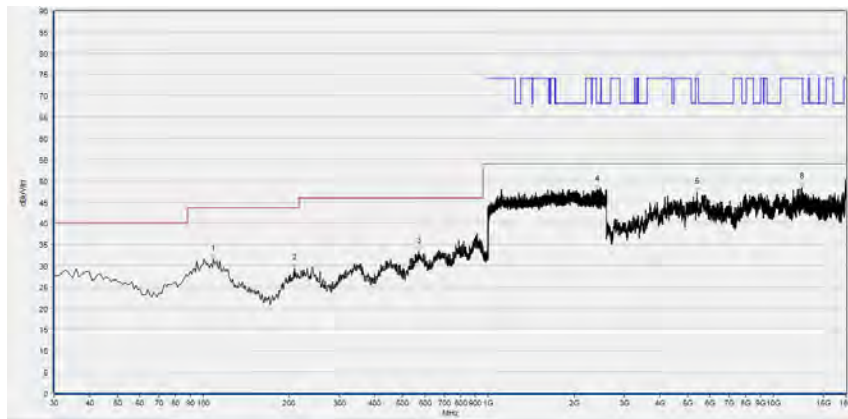
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	30.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
225.940	29.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
454.860	31.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4494.200	47.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7990.000	48.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13835.840	49.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

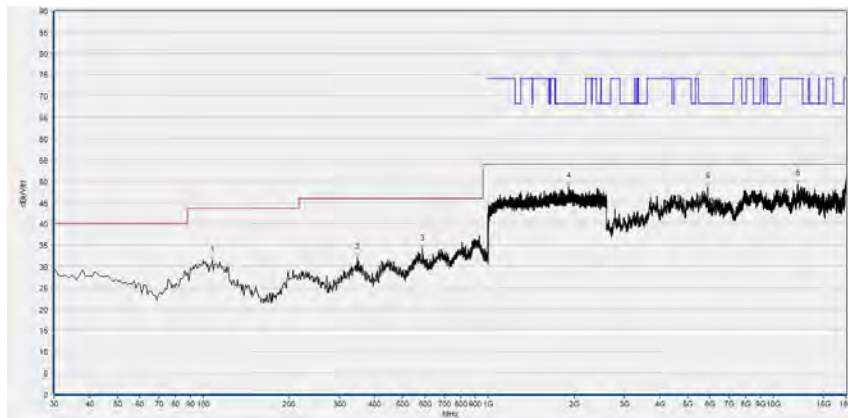
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	31.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
209.450	29.29	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
569.320	33.34	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2405.867	47.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5405.880	47.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12616.160	48.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

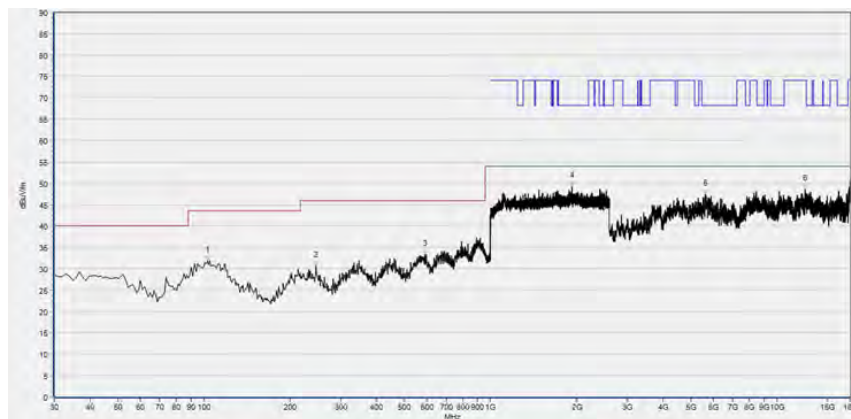
(Antenna Horizontal, 30MHz to 18GHz)



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
107.600	31.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
348.160	32.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
587.750	33.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1910.400	48.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5874.040	48.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12148.000	49.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

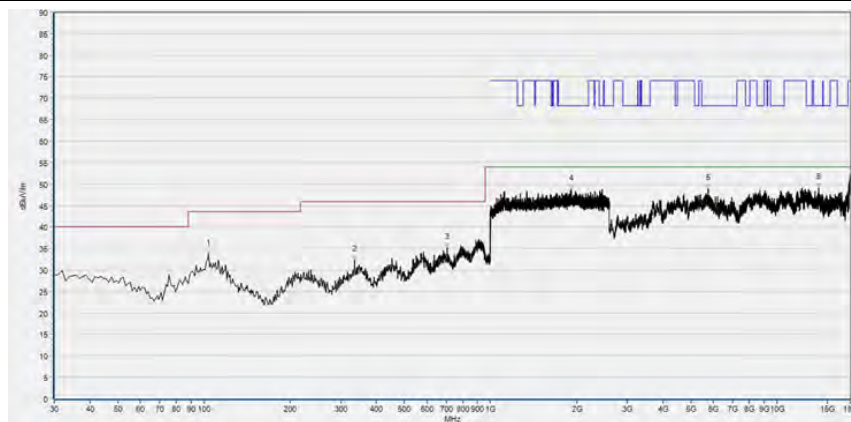
(Antenna Vertical, 30MHz to 18GHz)

Plot 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
102.750	31.82	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
246.310	30.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
588.720	33.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1928.533	49.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5633.800	47.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12492.960	48.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

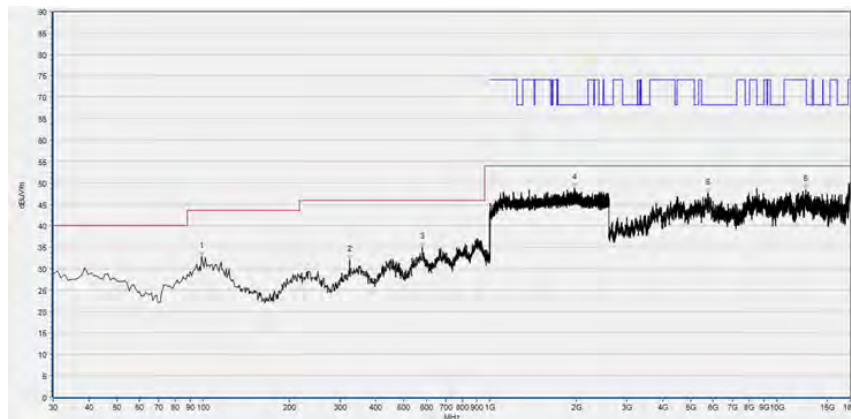
(Antenna Horizontal, 30MHz to 18GHz)



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
103.720	33.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
335.550	32.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
706.090	35.18	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1912.000	48.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5747.760	48.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13989.840	49.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot 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
98.870	32.89	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
323.910	32.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
580.960	35.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1971.200	48.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5757.000	47.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12625.400	48.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

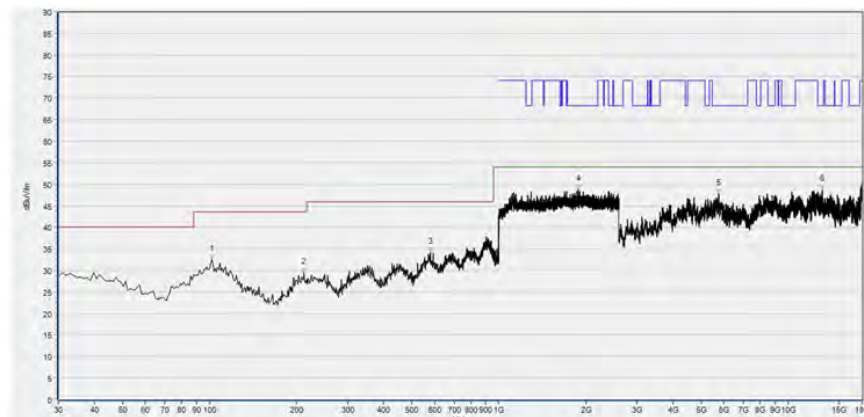
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	32.23	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
202.660	29.88	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
569.320	33.77	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2320.000	48.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4515.760	46.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12141.840	47.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

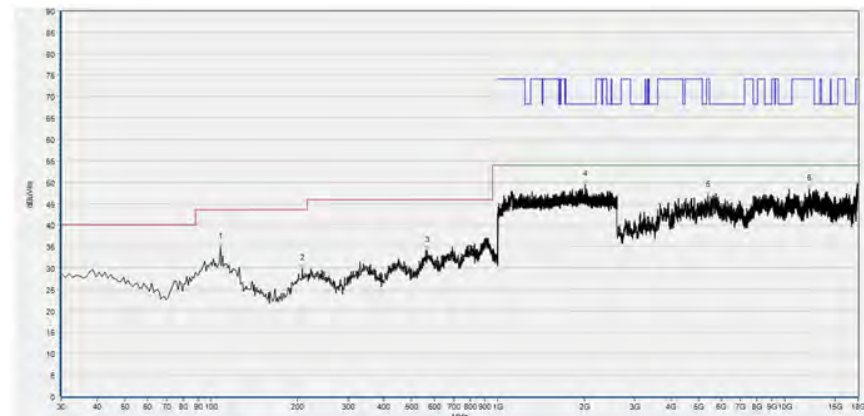
(Antenna Vertical, 30MHz to 18GHz)

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
101.780	32.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
211.390	29.49	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
579.990	34.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1878.400	48.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5744.680	47.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13078.160	48.83	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

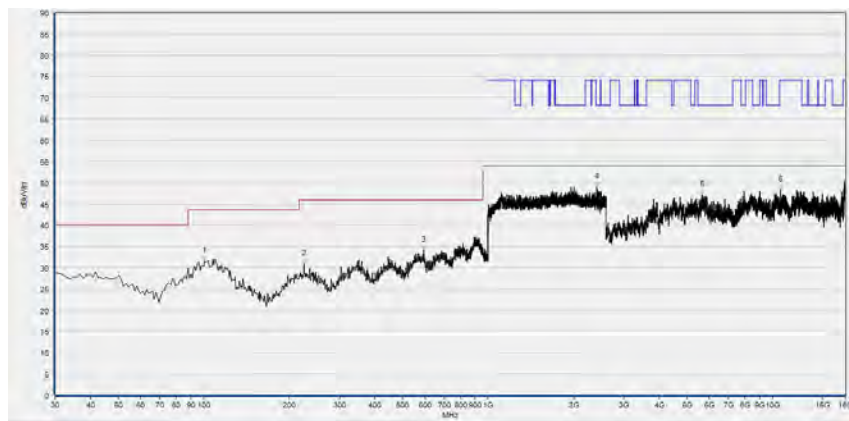


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	34.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
207.510	29.75	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
565.440	33.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2011.200	49.47	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5396.640	47.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12178.800	48.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

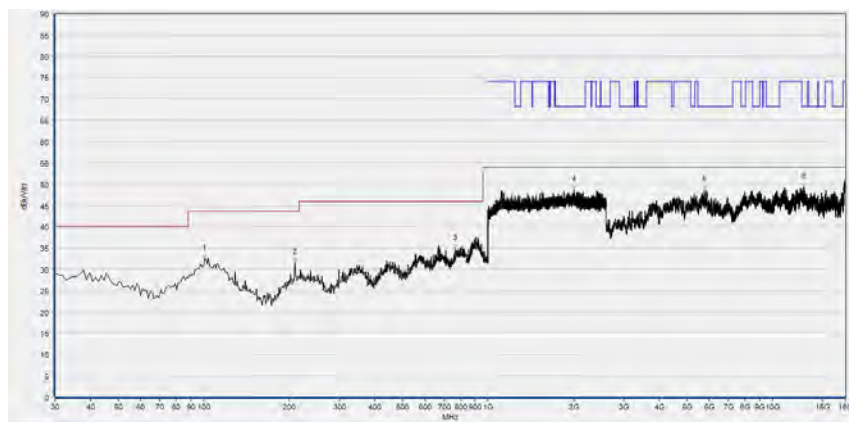


Plot for Channel 100



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
100.810	31.44	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.970	30.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
594.540	34.07	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2413.867	48.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5636.880	47.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10681.920	48.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

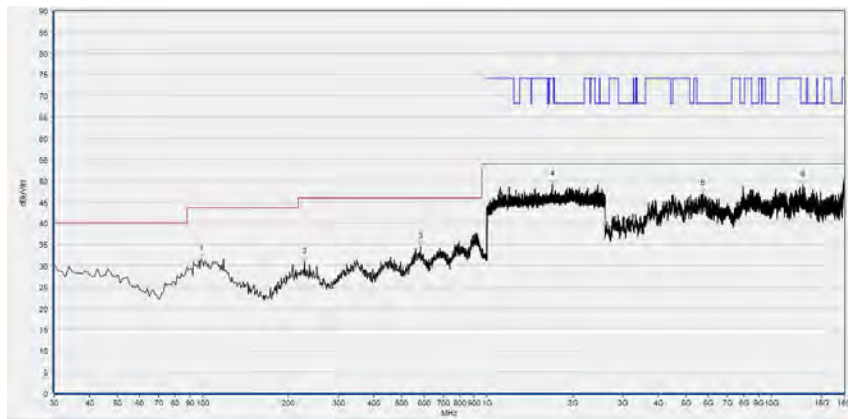
(Antenna Horizontal, 30MHz to 18GHz)



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
100.810	32.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
209.450	31.44	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
765.260	34.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2003.200	48.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5766.240	48.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12902.600	49.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

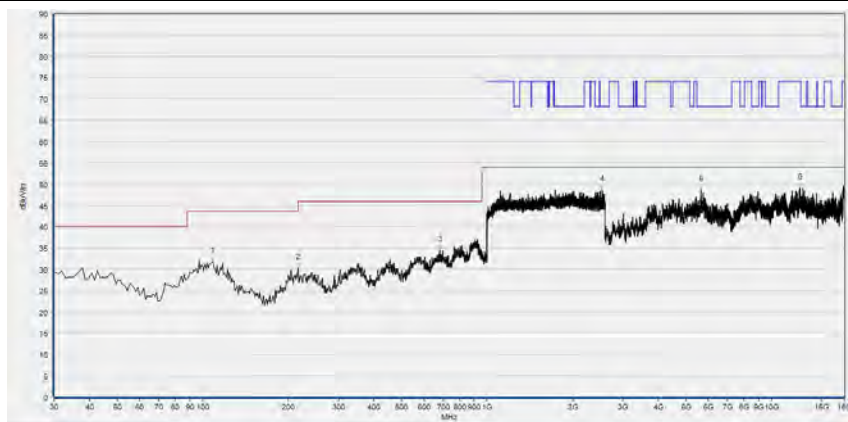
(Antenna Vertical, 30MHz to 18GHz)

Plot 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
98.870	31.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
227.880	30.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
581.930	34.47	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1694.400	49.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5729.280	46.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12890.280	49.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

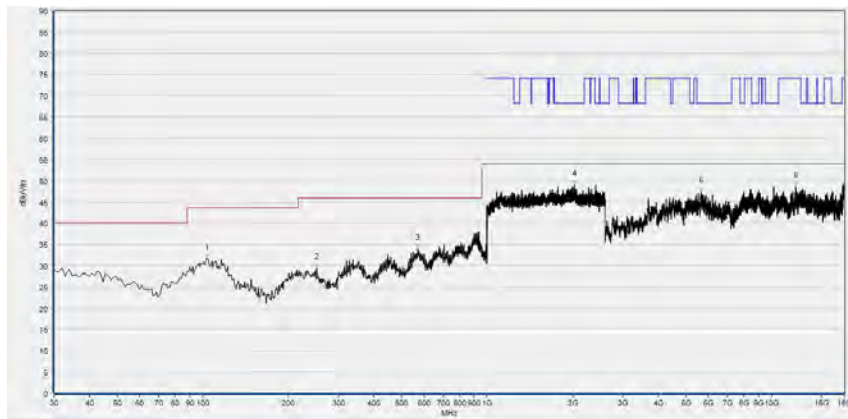


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	31.86	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
216.240	30.33	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
680.870	34.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2536.533	48.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5661.520	48.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12582.280	49.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

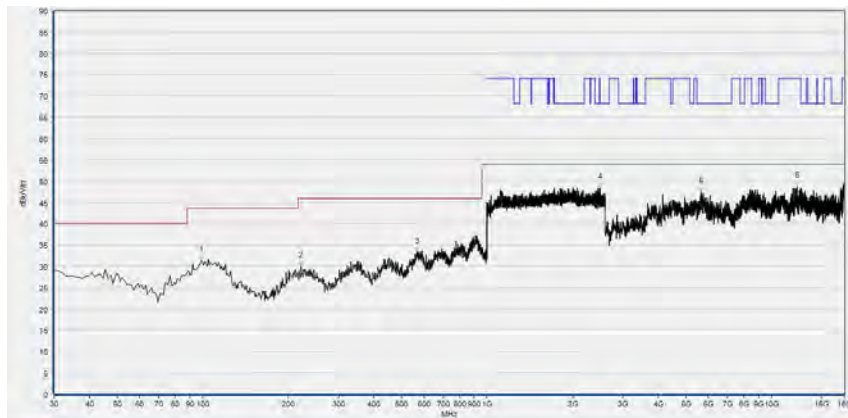


Plot for Channel 144



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
103.720	31.59	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
252.130	29.48	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
571.260	33.94	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2029.867	49.13	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5643.040	47.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12160.320	48.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

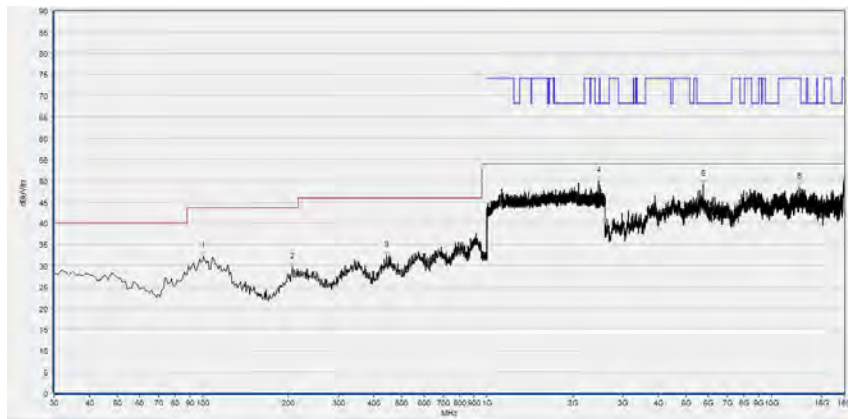


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.870	31.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
222.060	29.93	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
566.410	33.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2489.067	48.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5639.960	47.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12298.920	48.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

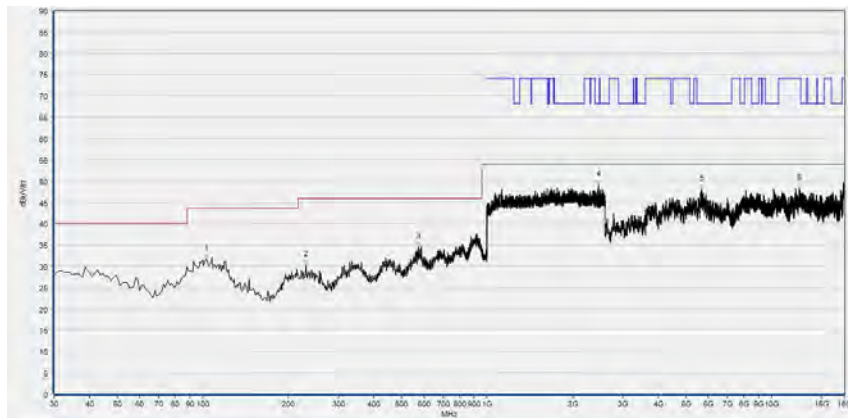


Plot for Channel 149



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
100.810	32.22	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
206.540	29.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
443.220	32.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2458.133	49.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5757.000	49.11	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12529.920	48.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

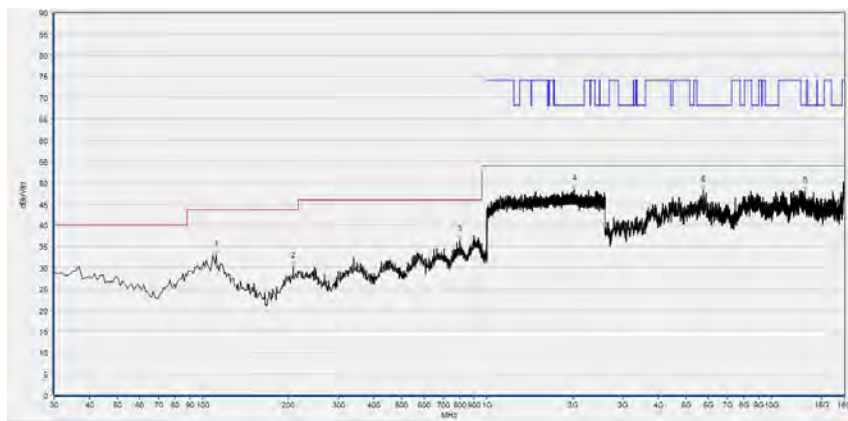


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	31.67	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
230.790	30.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
574.170	34.60	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2461.867	49.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5676.920	48.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12486.800	48.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

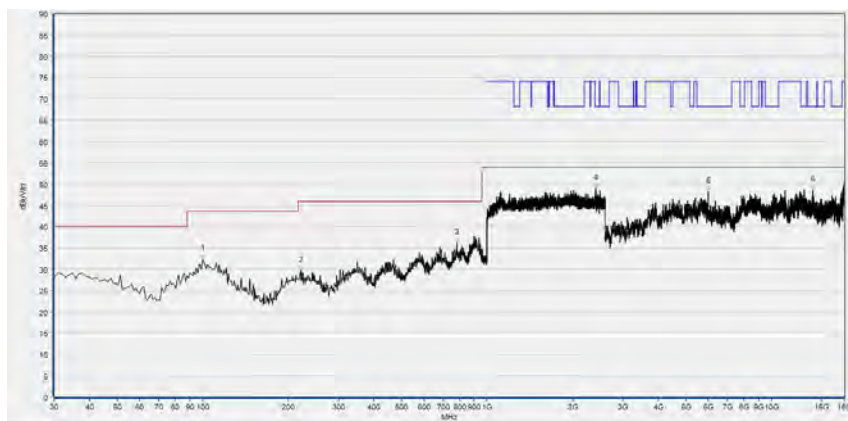


Plot for Channel 157



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
111.480	32.98	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
208.480	30.32	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
800.180	36.46	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2030.400	48.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5753.920	48.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13081.240	48.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

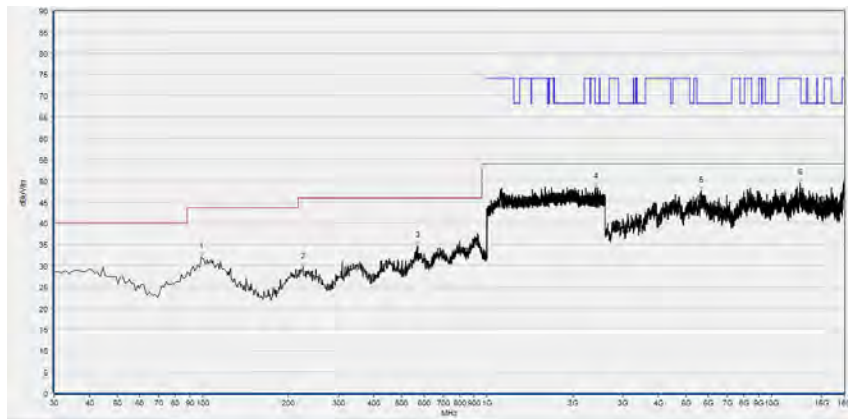


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	32.31	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
222.060	29.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
781.750	36.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2411.733	48.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5975.680	48.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13937.480	48.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

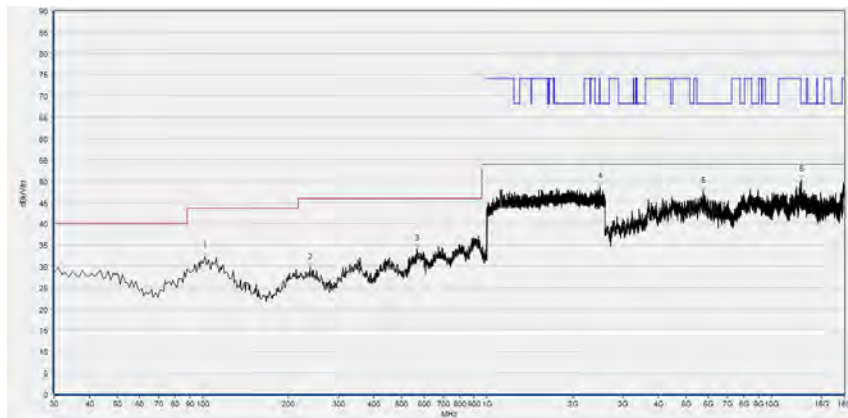


Plot for Channel 165



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
98.870	32.00	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.970	29.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
570.290	34.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2408.533	48.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5652.280	47.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12613.080	49.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



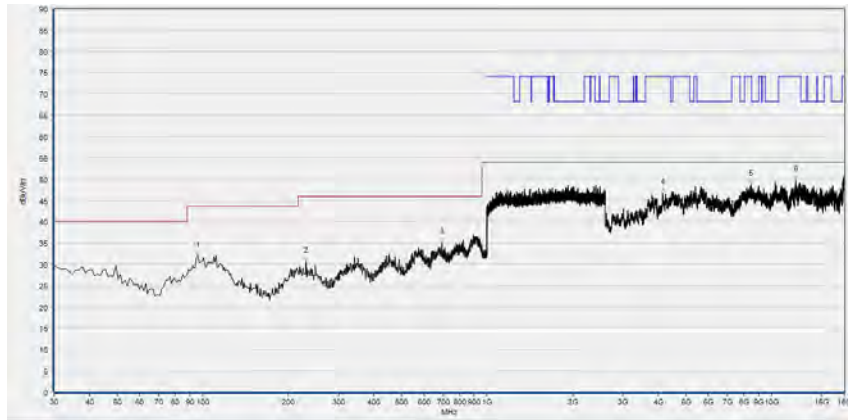
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	32.13	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
238.550	29.65	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
566.410	33.98	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2491.200	48.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5750.840	47.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12733.200	50.25	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



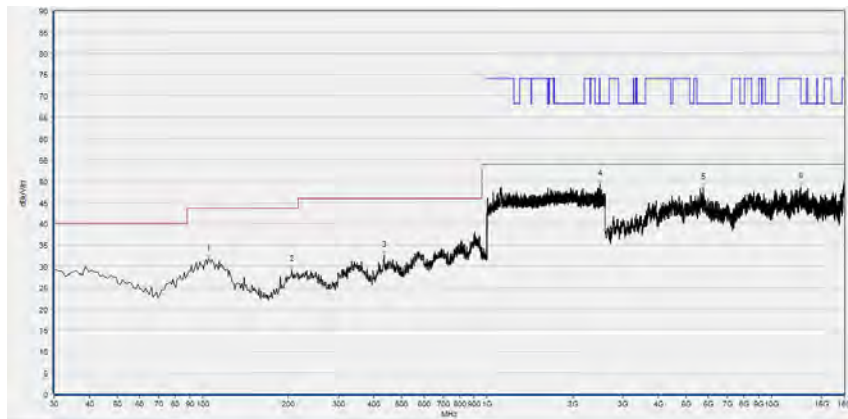
802.11n (HT40) mode

Plot 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
95.960	32.00	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
230.790	30.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
693.480	35.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4143.080	46.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8445.840	48.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12188.040	49.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

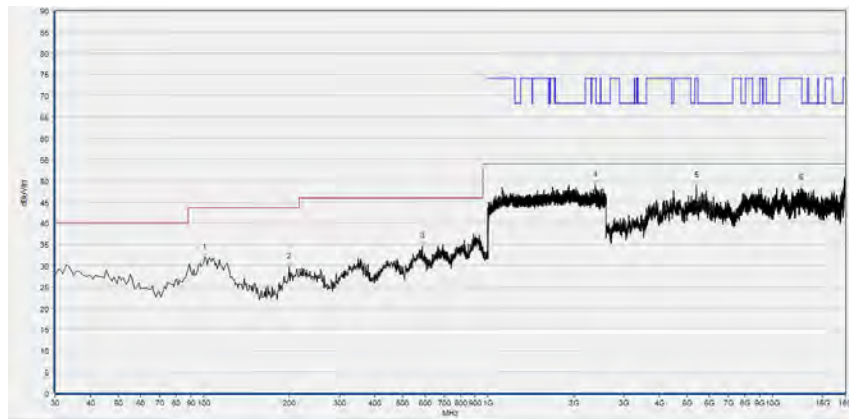
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	31.67	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
205.570	29.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
434.490	32.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2489.600	49.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5760.080	48.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12628.480	48.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

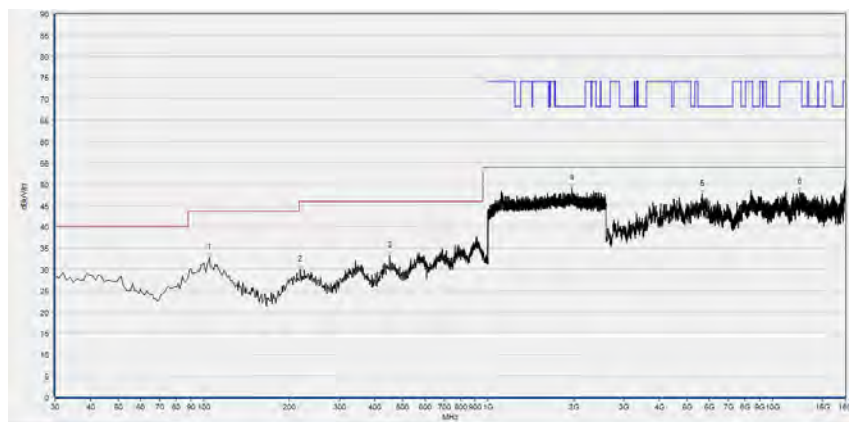
(Antenna Vertical, 30MHz to 18GHz)

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
100.810	31.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
199.750	29.62	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
586.780	34.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2382.400	48.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5387.400	48.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12622.320	48.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

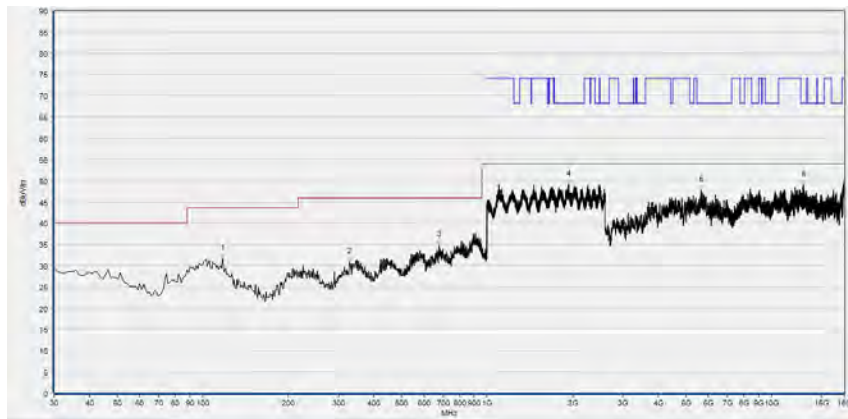
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	32.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
218.180	29.80	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
450.980	33.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1967.467	48.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5661.520	47.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12480.640	48.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

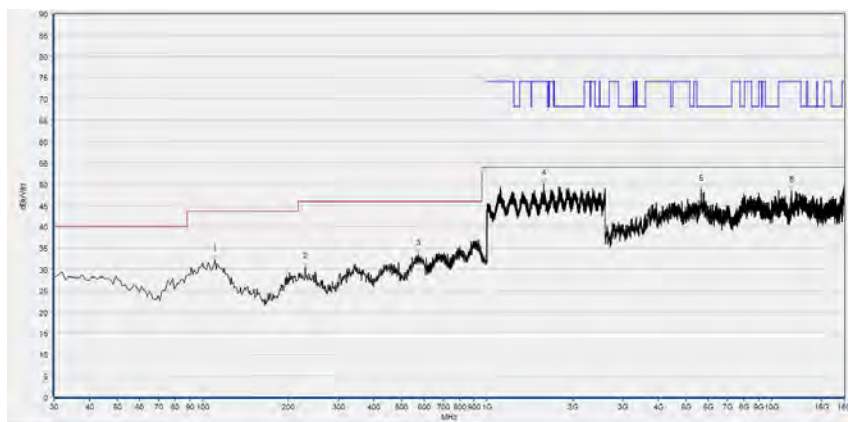
(Antenna Vertical, 30MHz to 18GHz)

Plot 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
117.300	31.76	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
328.760	30.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
676.990	34.84	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1929.600	49.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5639.960	47.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12939.560	48.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

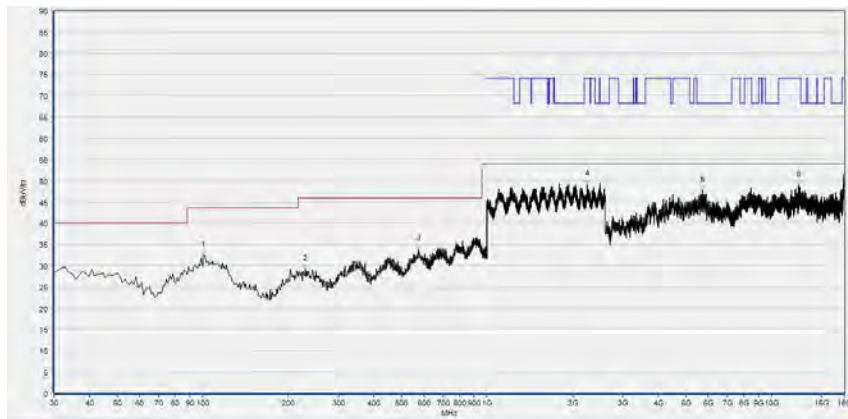
(Antenna Horizontal, 30MHz to 18GHz)



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
110.510	32.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.850	30.44	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
575.140	33.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1577.067	50.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5664.600	48.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11753.760	48.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

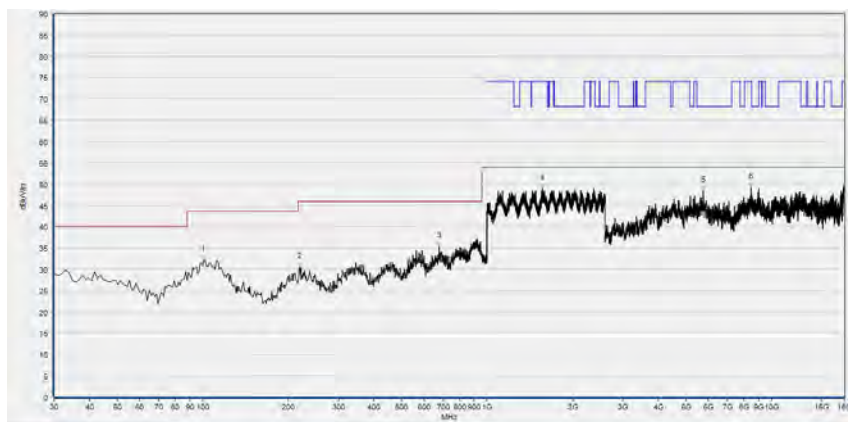
(Antenna Vertical, 30MHz to 18GHz)

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
100.810	32.32	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
229.820	29.13	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
574.170	33.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2252.800	49.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5723.120	47.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12462.160	48.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

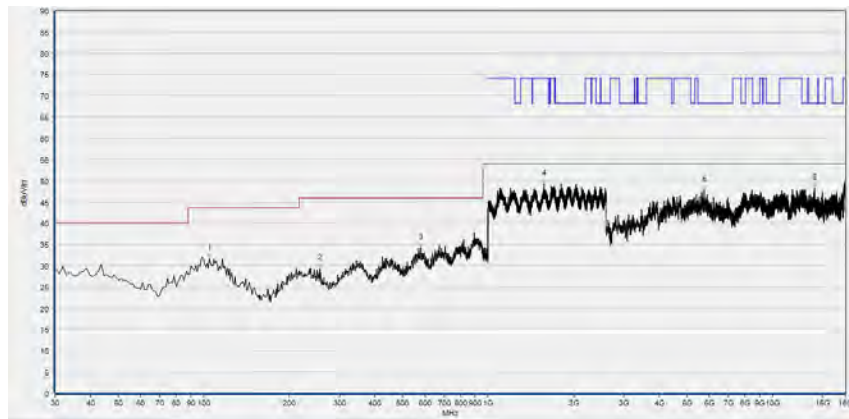
(Antenna Horizontal, 30MHz to 18GHz)



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
100.810	32.21	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.150	30.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
678.930	35.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1565.867	48.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5760.080	48.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8482.800	49.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

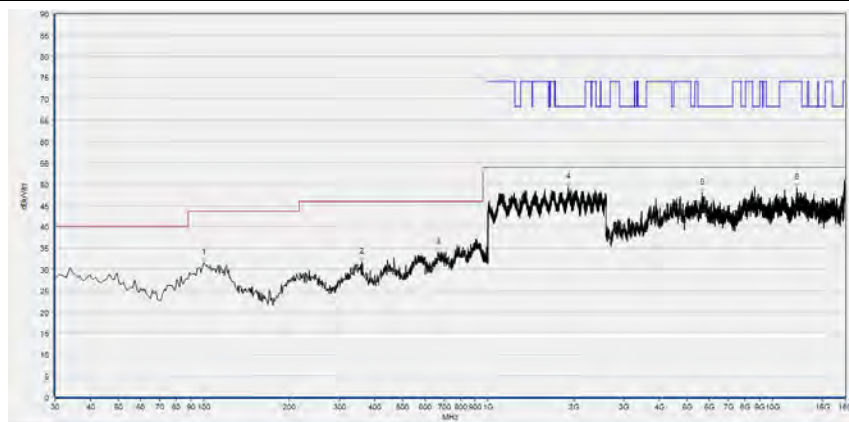
(Antenna Vertical, 30MHz to 18GHz)

Plot 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
104.690	31.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
256.010	29.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
579.020	34.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1569.600	49.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5757.000	47.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14048.360	48.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

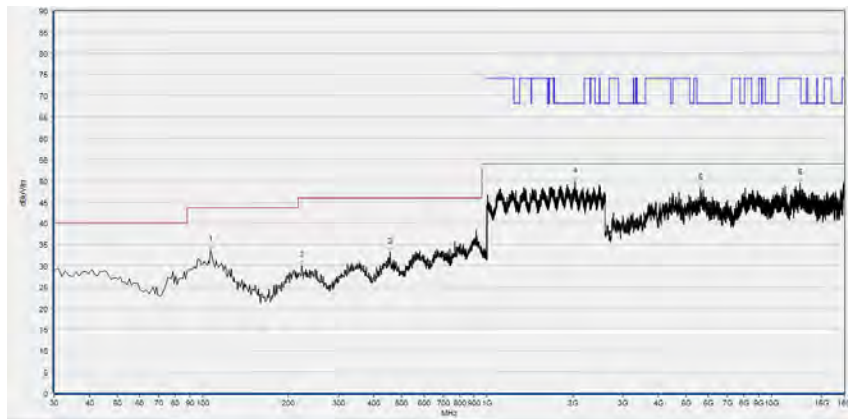
(Antenna Horizontal, 30MHz to 18GHz)



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
99.840	31.55	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
358.830	31.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
664.380	33.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1914.667	49.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5661.520	47.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12163.400	49.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

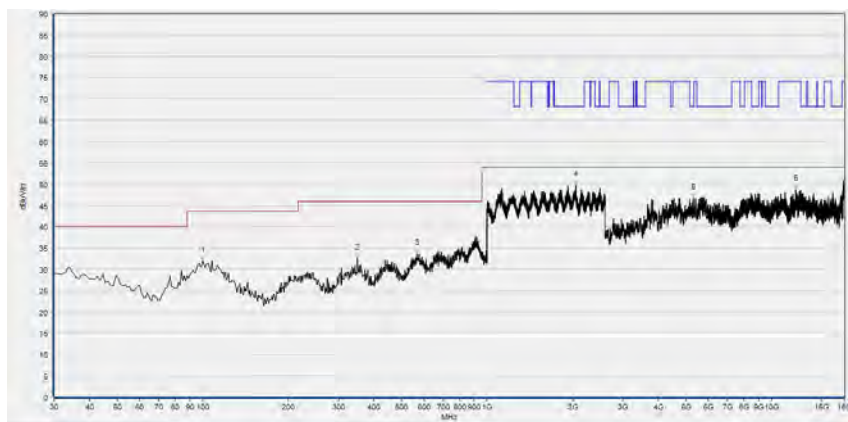
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	33.77	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
223.030	30.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
455.830	33.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2034.133	49.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5624.560	48.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12616.160	49.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

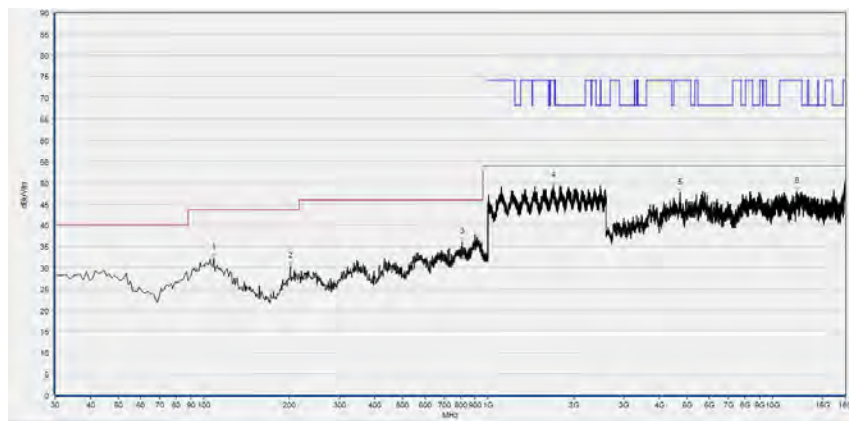
(Antenna Horizontal, 30MHz to 18GHz)



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
99.840	32.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
350.100	32.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
565.440	33.69	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2050.133	49.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5307.320	46.81	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12169.560	48.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

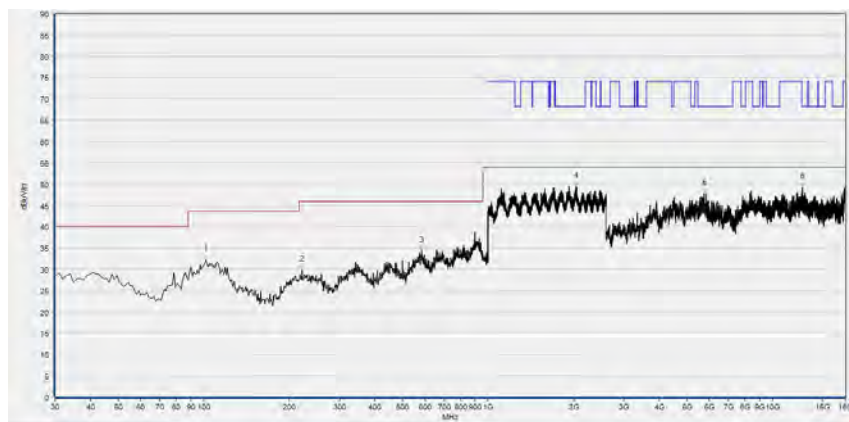
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	32.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
201.690	30.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
810.850	36.06	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1692.800	49.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4719.040	47.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12188.040	47.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

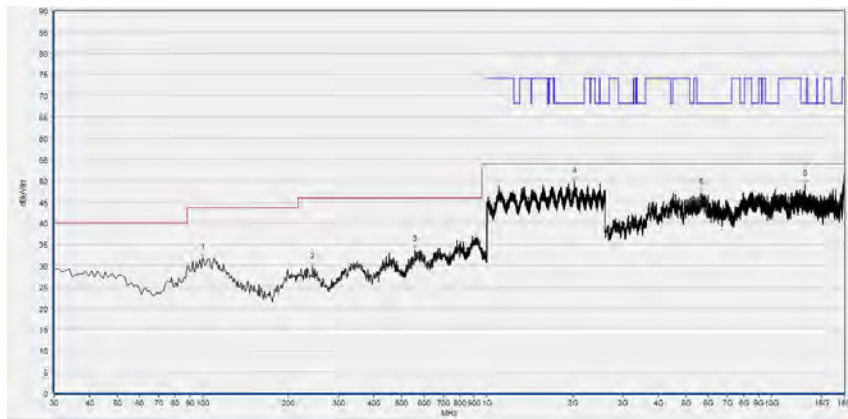
(Antenna Horizontal, 30MHz to 18GHz)



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
101.780	32.14	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
222.060	29.88	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
582.900	34.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2040.533	49.47	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5750.840	47.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12739.360	49.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

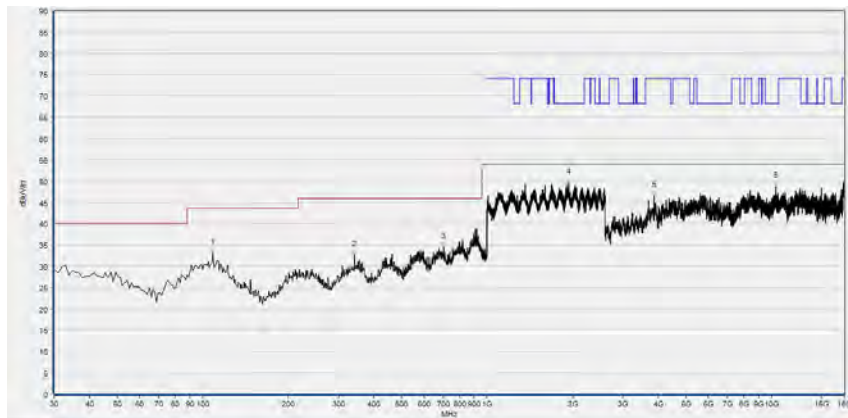
(Antenna Vertical, 30MHz to 18GHz)

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
99.840	31.82	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
243.400	29.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
556.710	33.64	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2022.400	49.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5652.280	47.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13087.400	49.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

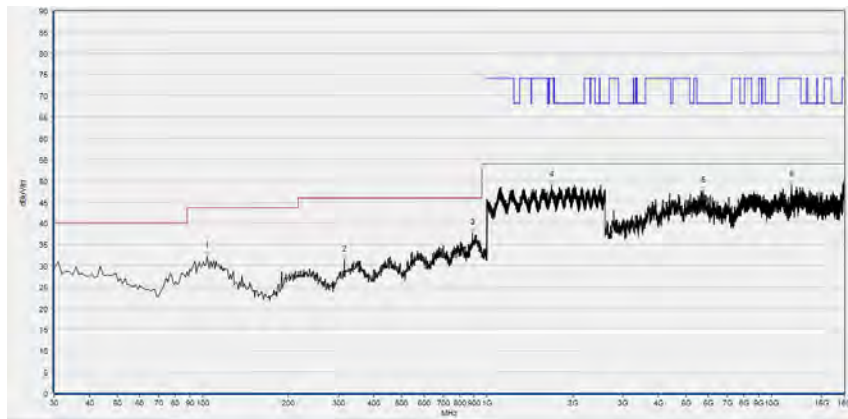


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	33.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
342.340	32.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
703.180	34.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1930.133	49.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3859.720	46.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10327.720	48.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

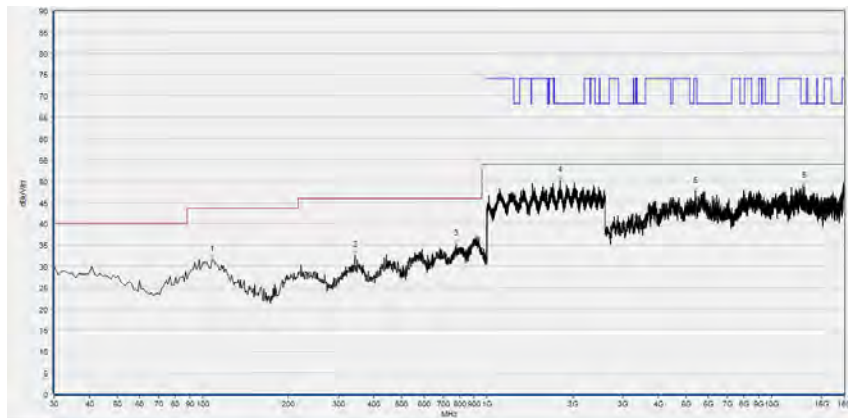


Plot for Channel 159



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
103.720	32.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
314.210	31.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
886.510	37.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1687.467	48.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5747.760	47.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11784.560	48.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

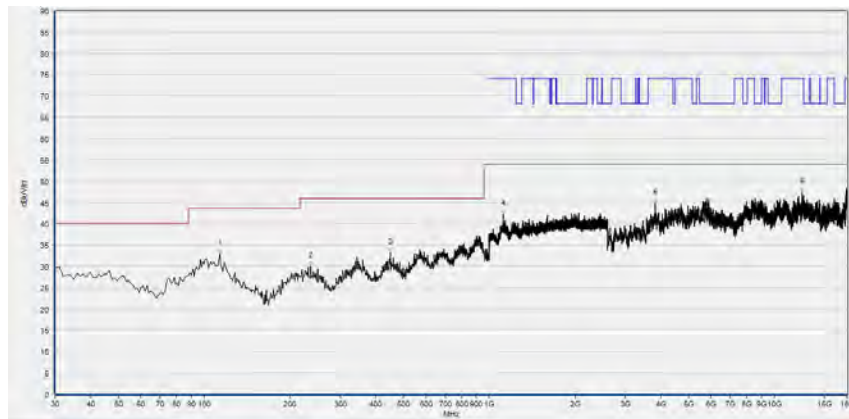


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	31.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
343.310	32.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
777.870	35.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1805.333	50.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5399.720	47.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13062.760	48.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

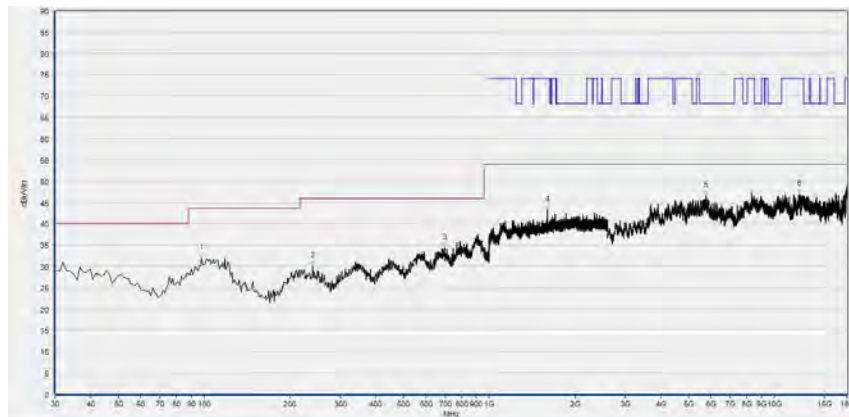
**802.11ax (HEW20) Mode**

Plot 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
113.420	32.88	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
236.610	29.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
449.040	33.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1118.933	42.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3822.760	44.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12517.600	47.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

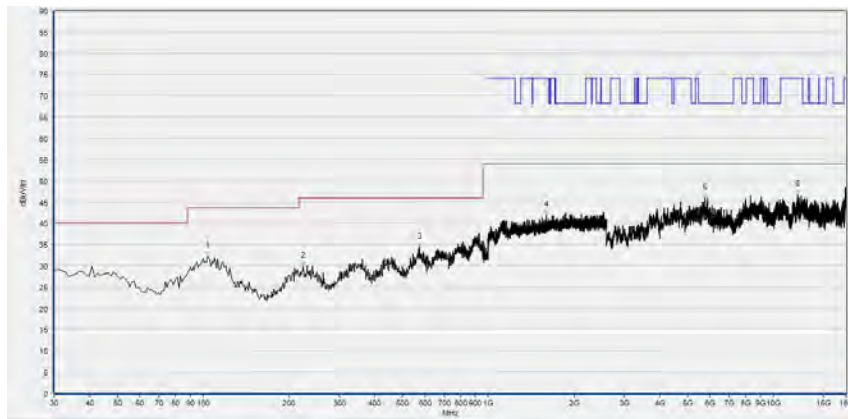
(Antenna Horizontal, 30MHz to 18GHz)



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
97.900	32.05	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
240.490	30.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
696.390	34.35	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1600.000	43.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5766.240	46.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12215.760	46.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

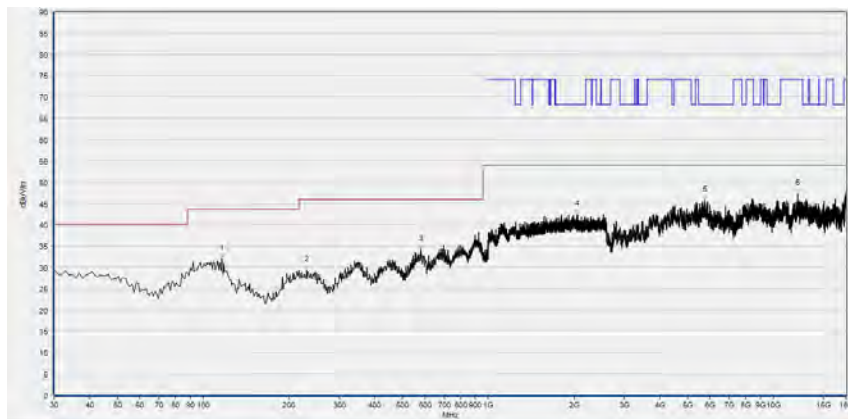
(Antenna Vertical, 30MHz to 18GHz)

Plot 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
103.720	32.19	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.000	29.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
575.140	34.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1600.533	41.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5747.760	45.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12157.240	46.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

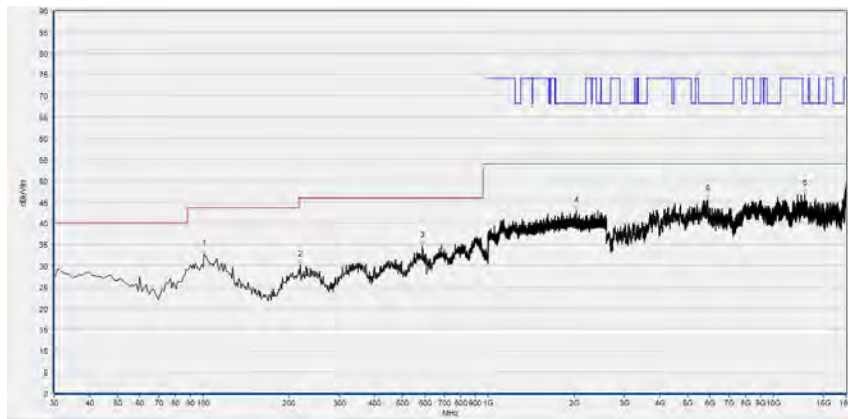
(Antenna Horizontal, 30MHz to 18GHz)



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
116.330	32.05	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
230.790	29.33	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
579.020	34.24	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2045.333	42.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5753.920	45.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12154.160	47.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

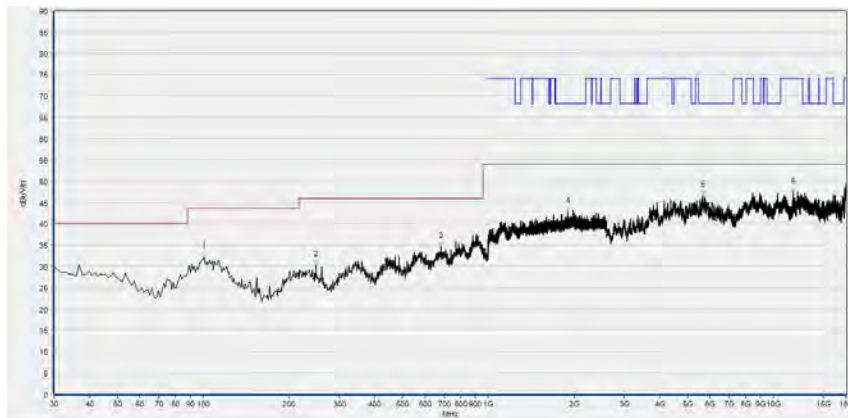
(Antenna Vertical, 30MHz to 18GHz)

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
100.810	32.74	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.150	30.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
586.780	34.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2038.933	42.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5870.960	45.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12884.120	46.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

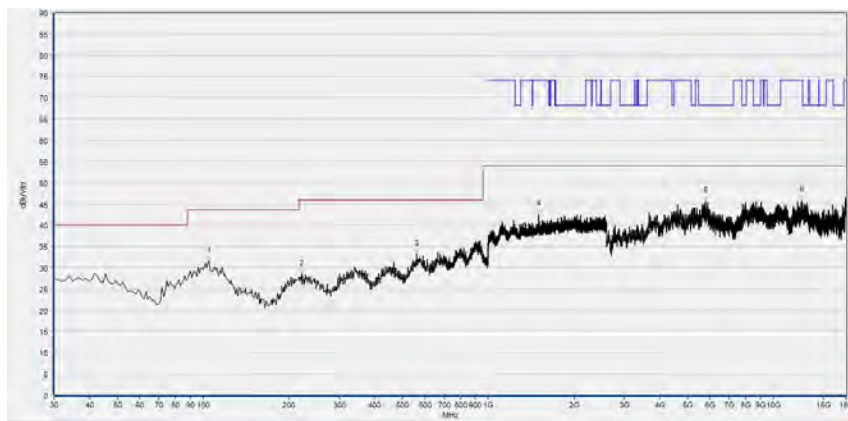


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	32.22	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
249.220	30.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
682.810	34.65	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1903.467	42.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5643.040	46.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11719.880	47.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

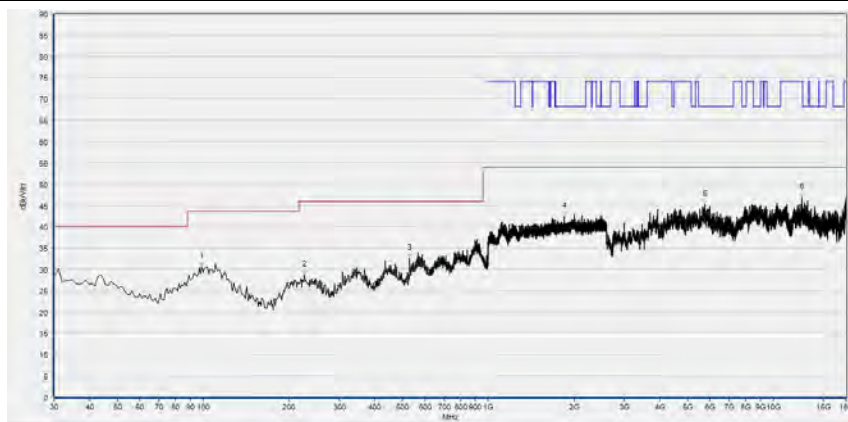


Plot for Channel 52



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
104.690	31.46	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
221.090	28.48	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
560.590	33.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1505.600	42.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5769.320	45.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12613.080	45.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

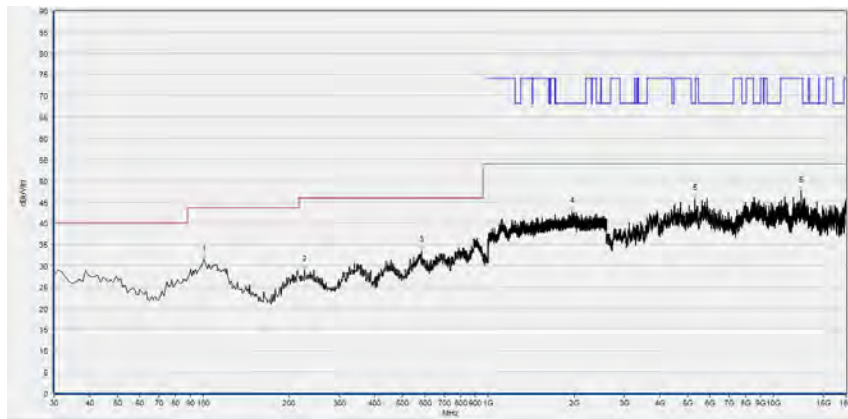
(Antenna Horizontal, 30MHz to 18GHz)



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
98.870	30.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
226.910	28.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
530.520	32.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1848.000	42.47	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5753.920	45.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12606.920	46.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

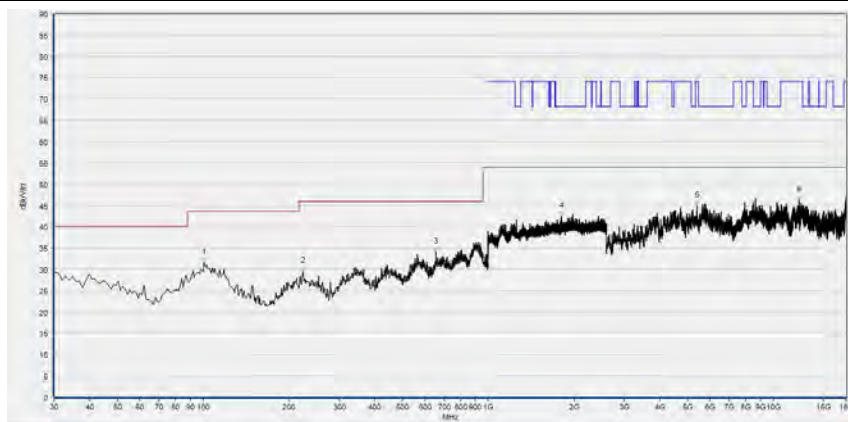
(Antenna Vertical, 30MHz to 18GHz)

Plot 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
100.810	31.32	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
226.910	28.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
582.900	33.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1967.467	42.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5310.400	45.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12499.120	47.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

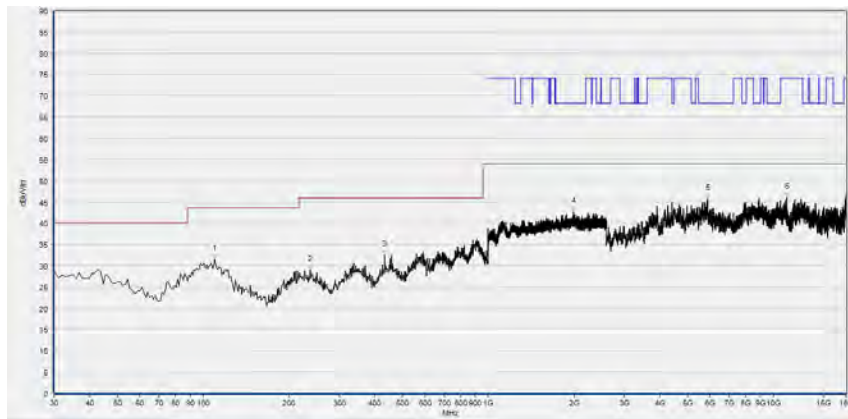


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	31.48	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
224.000	29.57	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
655.650	33.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1807.467	42.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5396.640	44.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12311.240	46.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

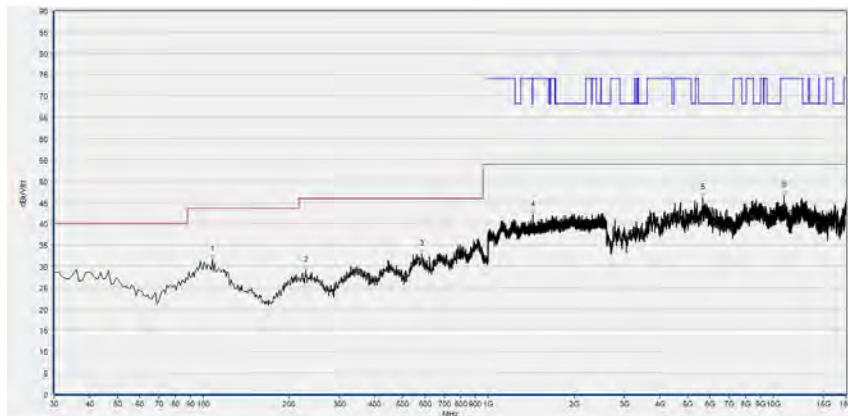


Plot for Channel 64



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
109.540	31.56	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
237.580	29.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
433.520	32.57	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1989.867	42.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5874.040	45.80	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11125.440	46.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

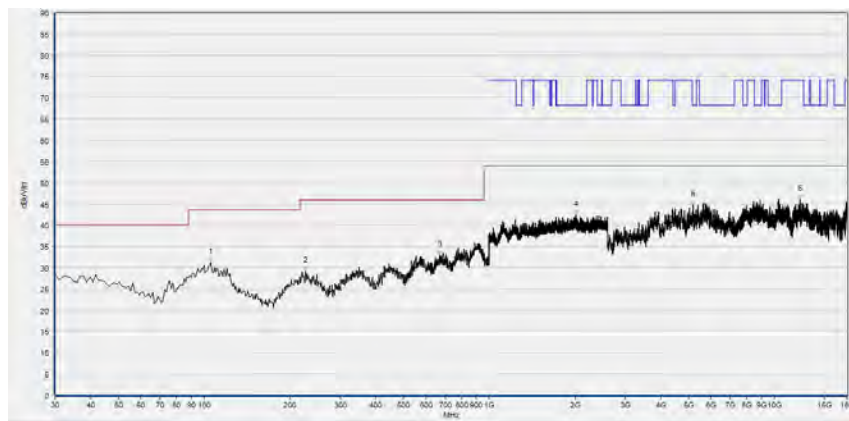


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	31.58	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.850	28.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
584.840	32.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1431.467	42.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5655.360	46.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10922.160	46.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

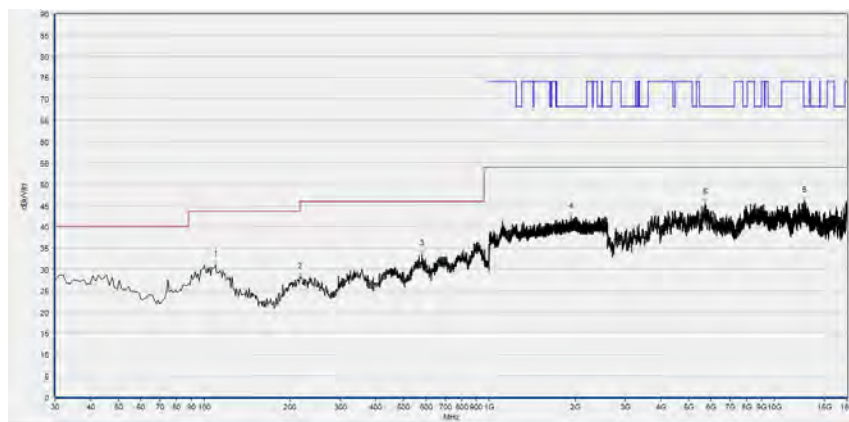


Plot for Channel 100



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
105.660	31.23	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
226.910	29.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
668.260	32.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2016.000	42.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5196.440	44.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12274.280	46.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

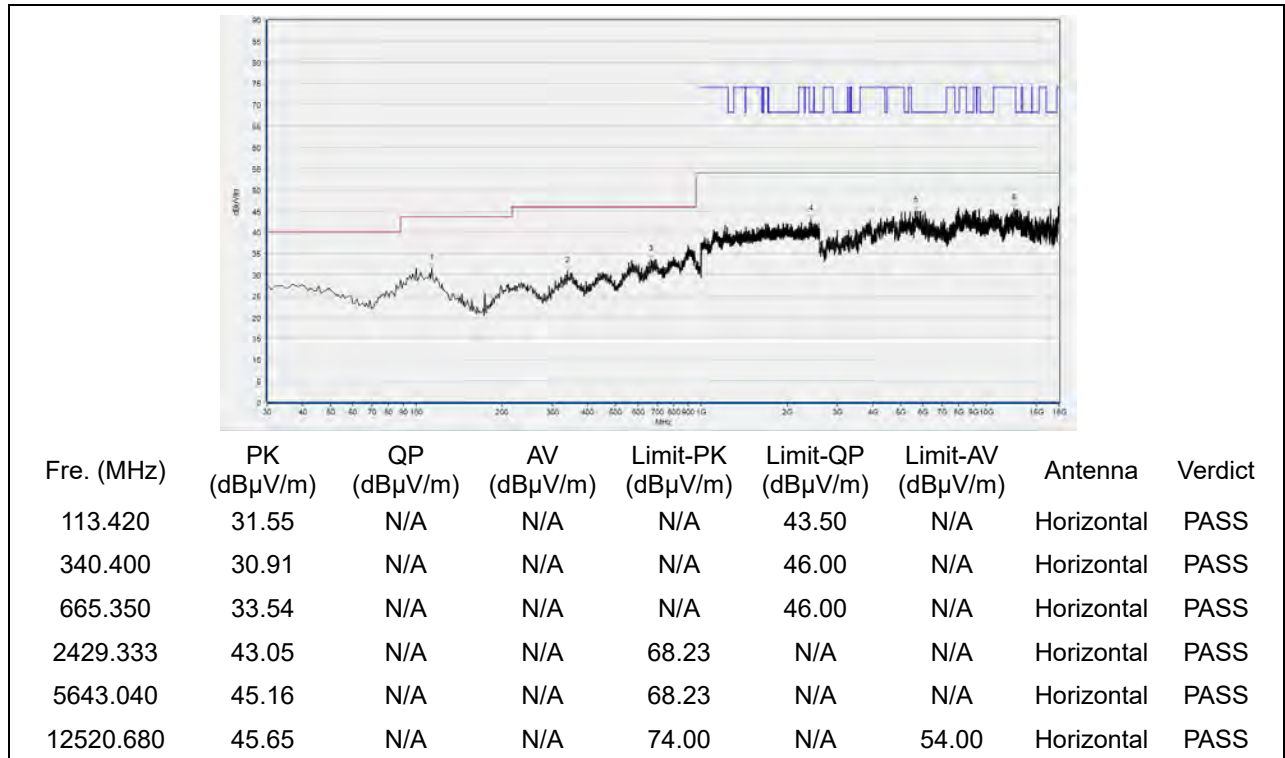
(Antenna Horizontal, 30MHz to 18GHz)



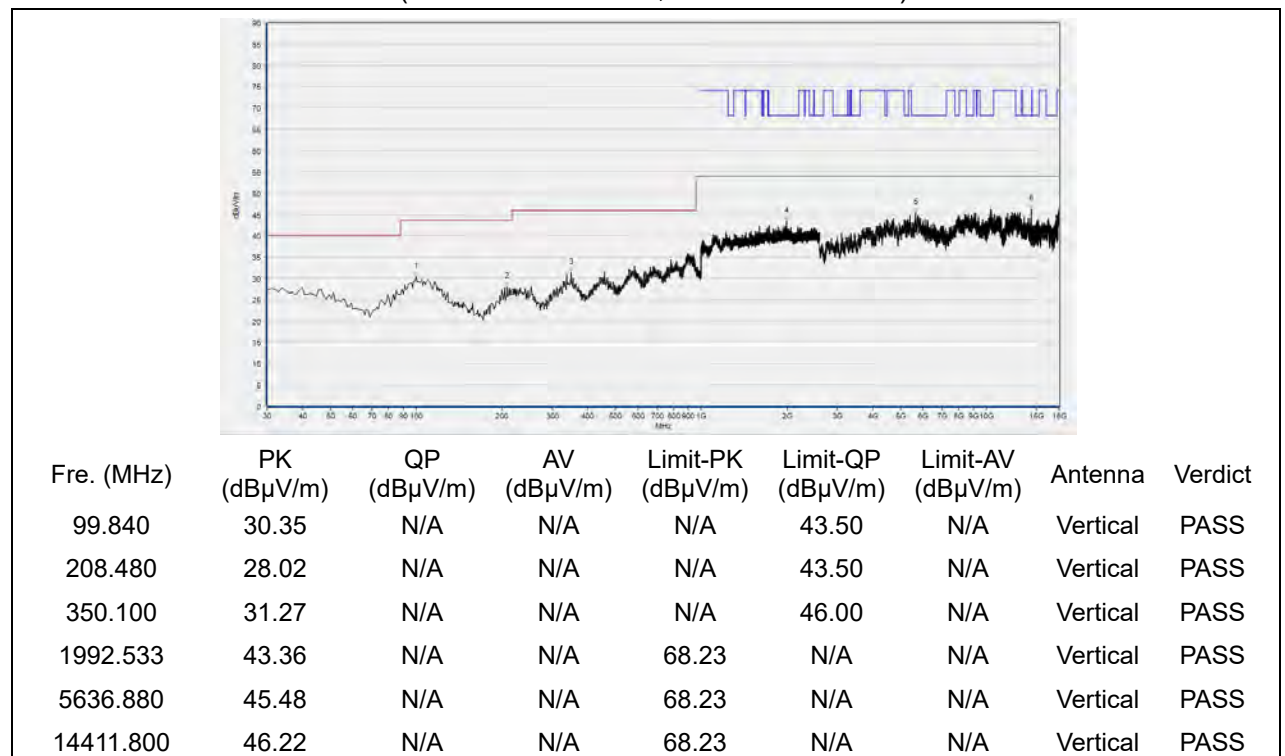
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	31.07	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
216.240	28.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
579.990	33.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1932.267	42.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5732.360	45.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12757.840	46.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 120



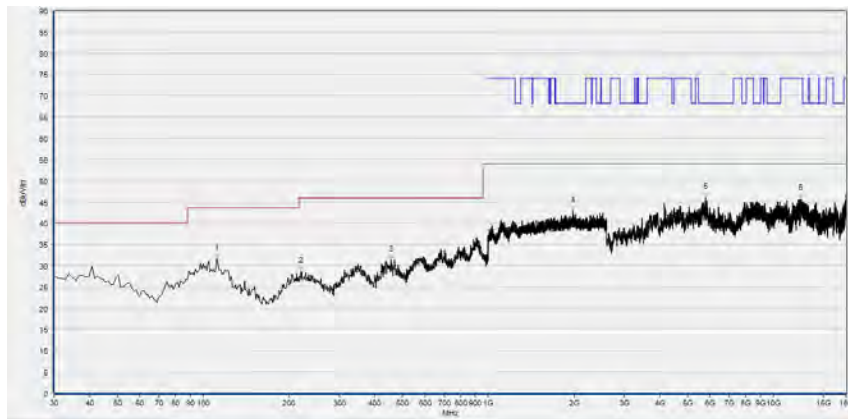
(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

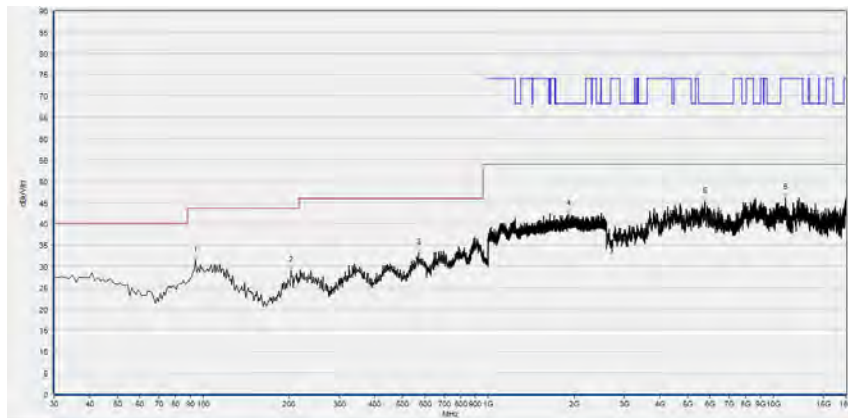


Plot for Channel 144



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
111.480	31.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
220.120	28.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
455.830	31.41	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1982.400	42.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5769.320	46.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12474.480	45.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

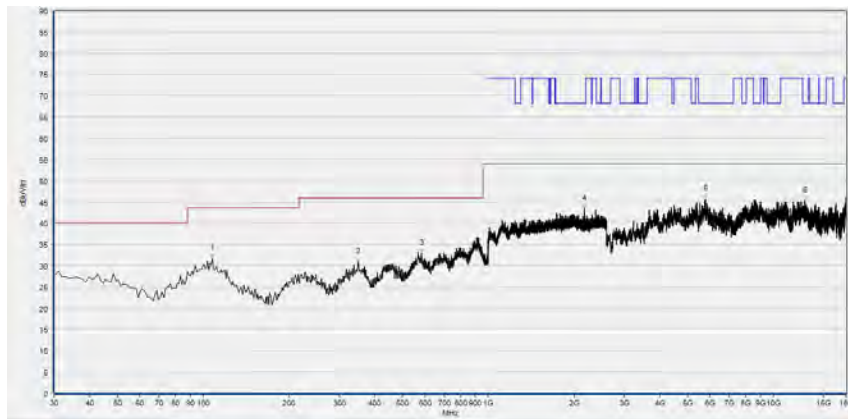


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
94.020	31.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
203.630	28.98	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
570.290	33.13	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1910.400	42.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5747.760	45.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11014.560	46.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

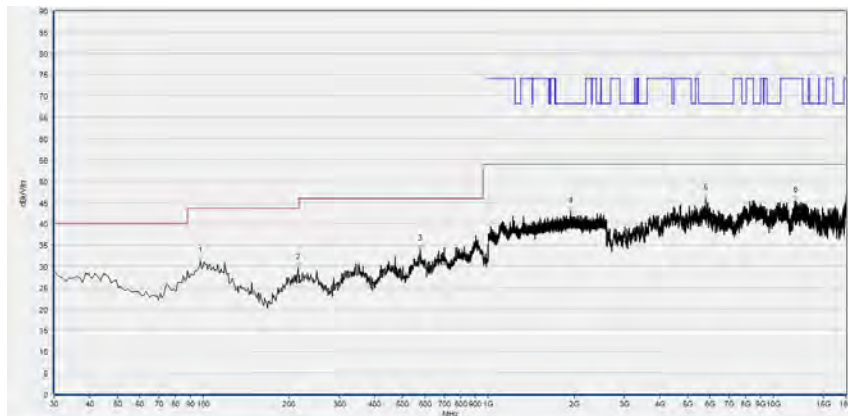


Plot for Channel 149



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
107.600	31.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
349.130	30.87	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
581.930	32.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2177.600	43.44	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5781.640	45.61	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12887.200	45.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

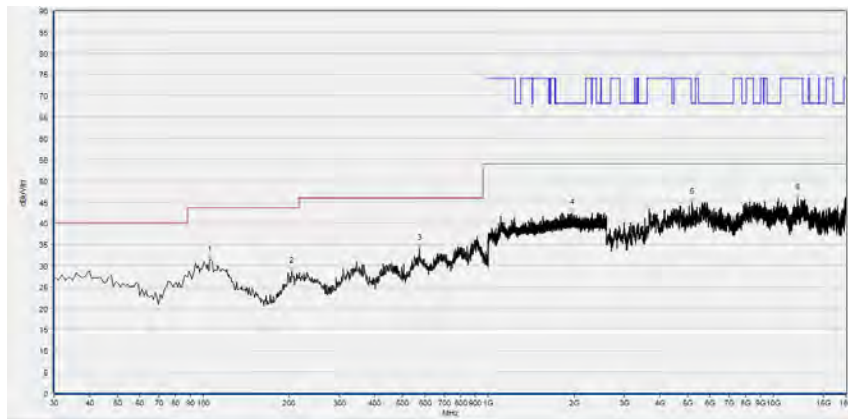
(Antenna Horizontal, 30MHz to 18GHz)



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
97.900	31.17	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
215.270	29.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
578.050	33.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1942.400	42.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5775.480	45.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11932.400	45.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

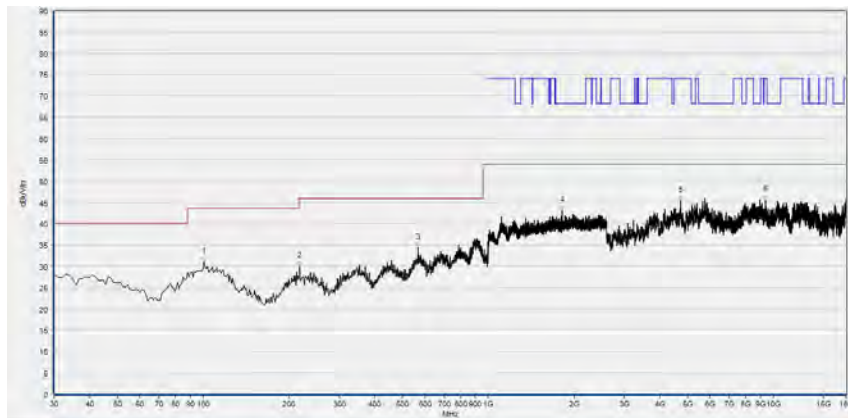
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	31.41	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
204.600	28.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
574.170	34.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1970.133	42.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5171.800	44.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12160.320	45.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

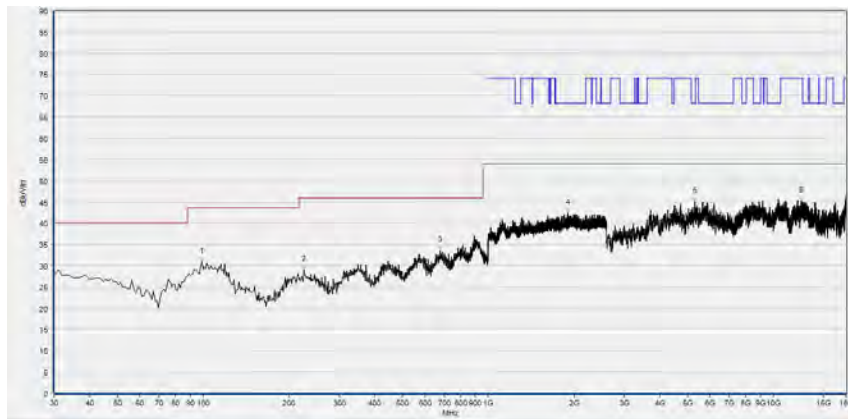
(Antenna Horizontal, 30MHz to 18GHz)



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
100.810	31.01	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
218.180	29.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
568.350	34.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1815.467	43.01	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4719.040	45.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9363.680	45.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

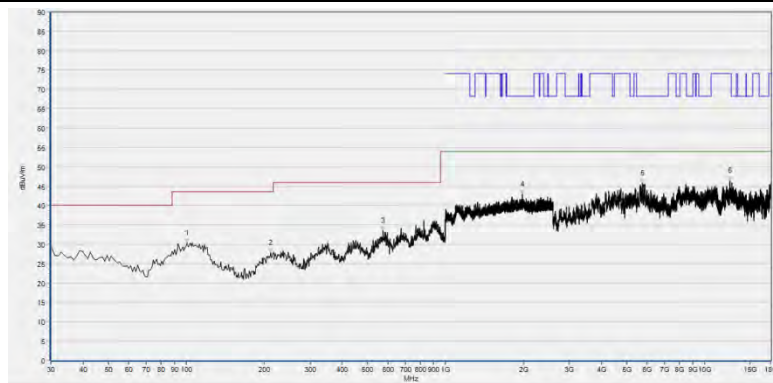
(Antenna Vertical, 30MHz to 18GHz)

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
98.870	30.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
225.940	28.91	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
678.930	33.50	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1898.667	42.41	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5313.480	45.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12526.840	45.32	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
100.810	30.40	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
211.390	27.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
575.140	33.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1984.000	42.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5757.000	45.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12511.440	46.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT