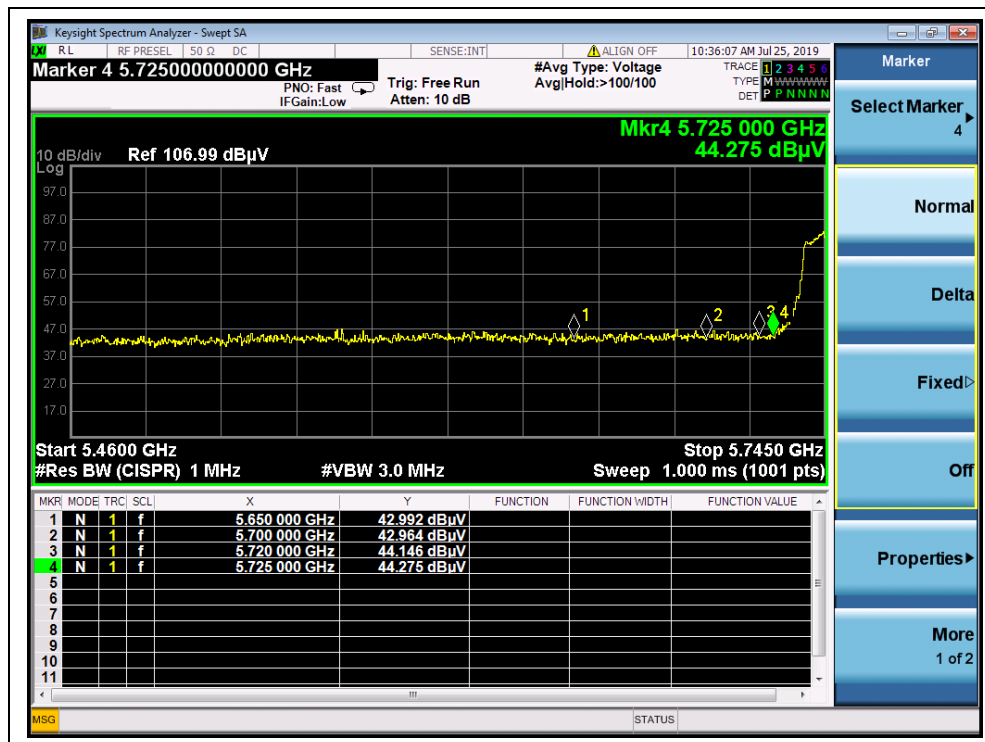
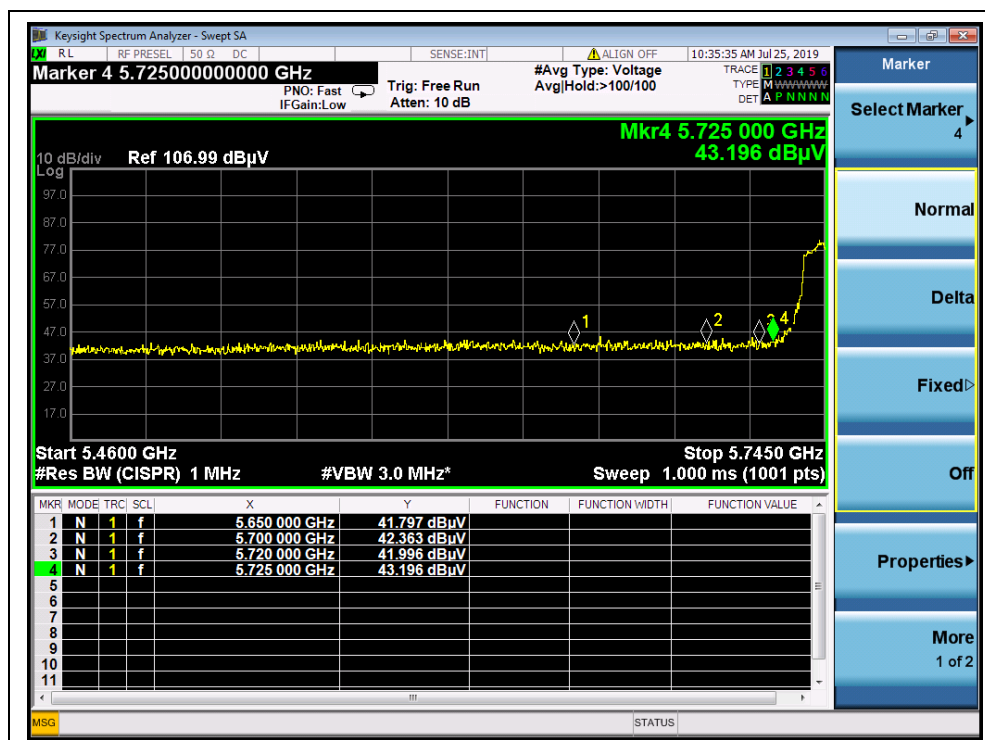
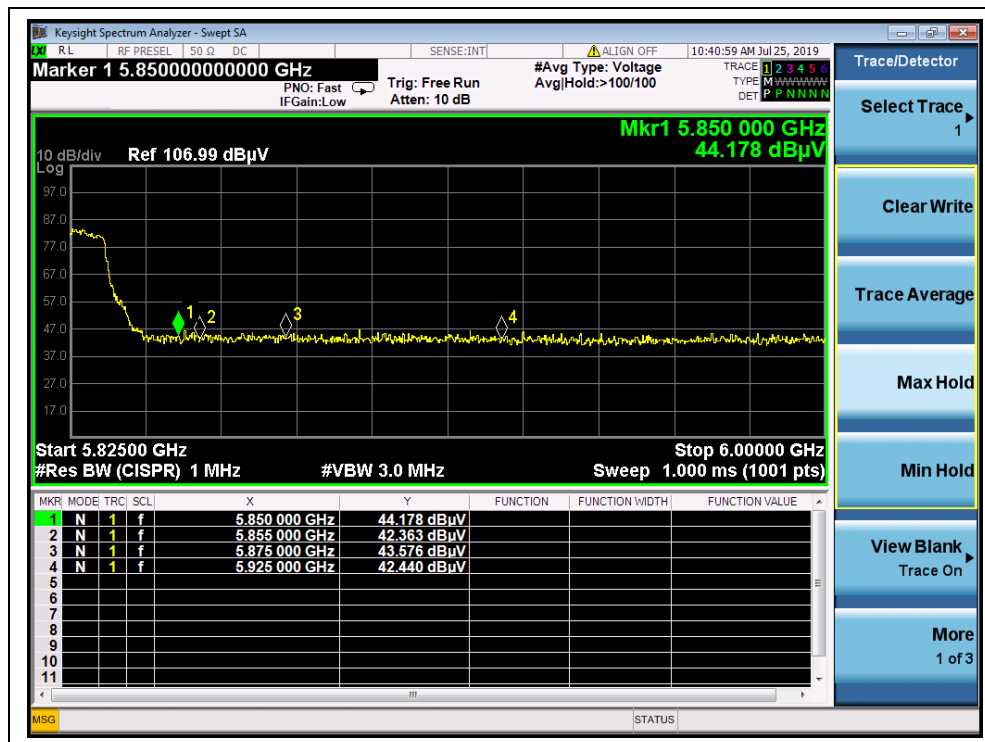




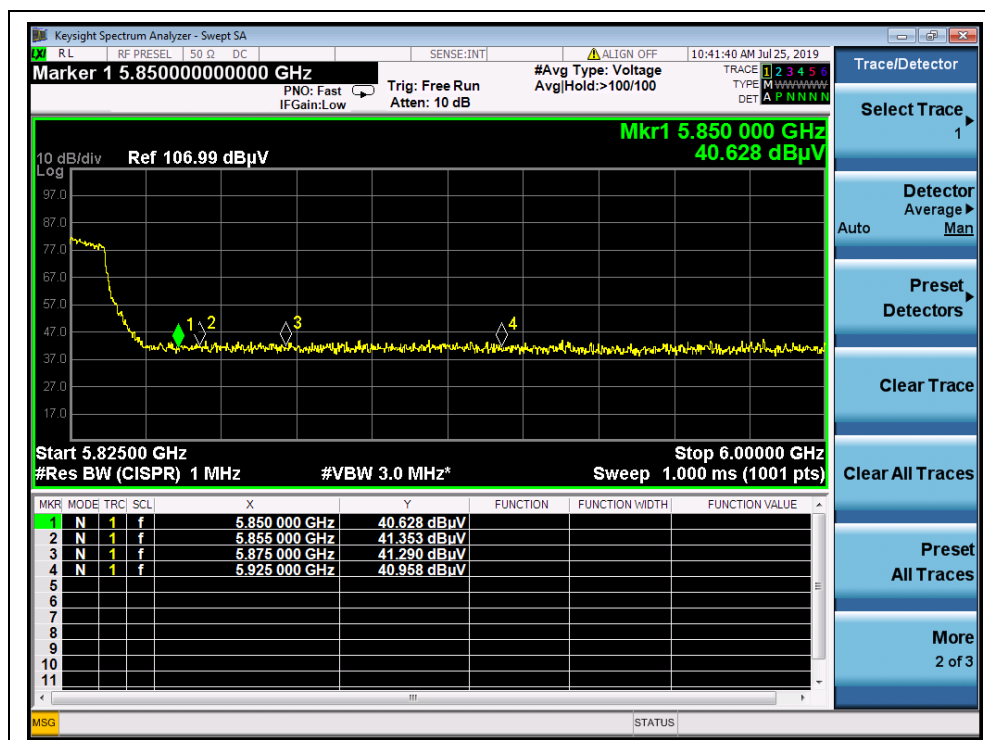
(Channel 149, PEAK, 802.11 n (HT20))



(Channel 149, AVG, 802.11n (HT20))



(Channel 165, PEAK, 802.11 n (HT20))



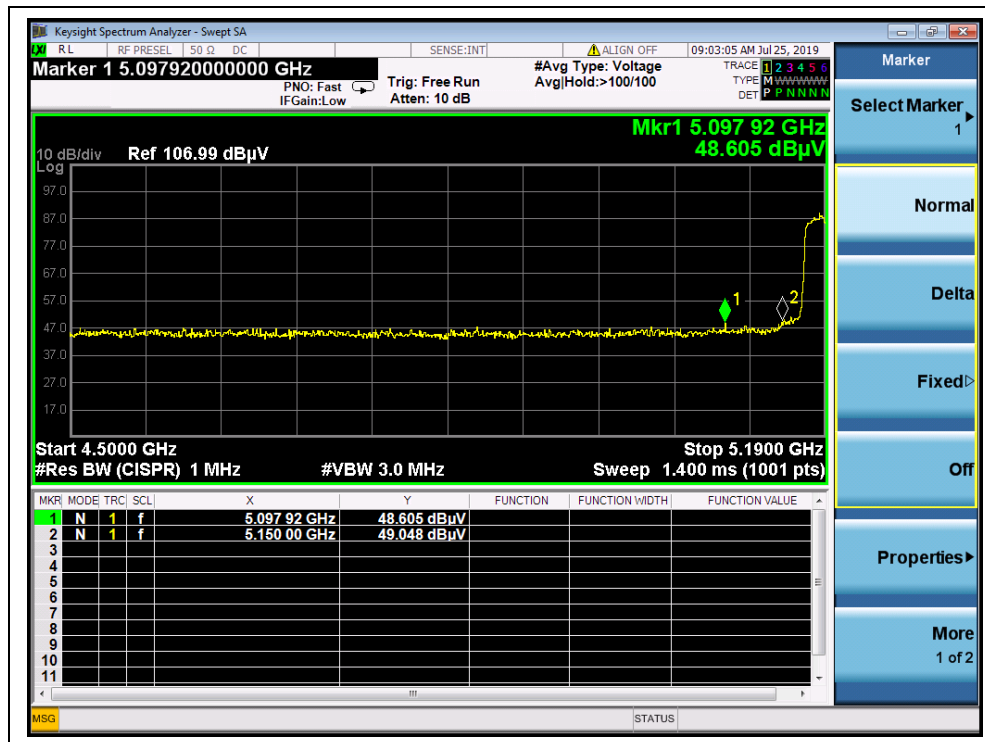
(Channel 165, AVG, 802.11n (HT20))

**802.11n (HT40) Test mode****A. Test Verdict:**

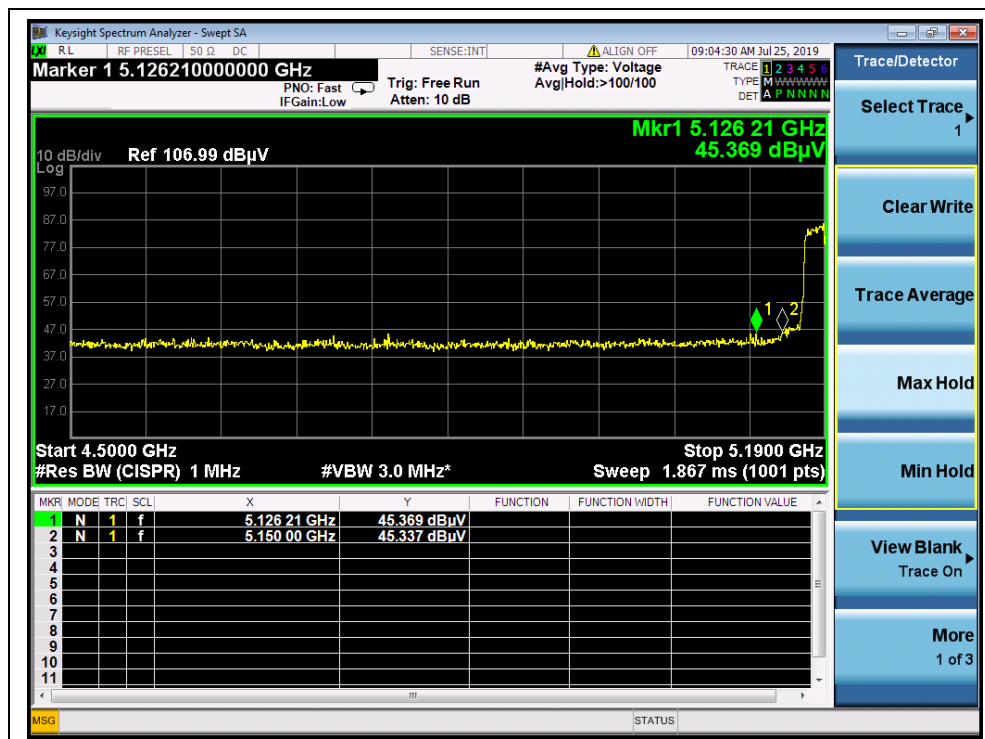
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBuV/m)	Limit (dBuV/m)	Verdict
		PK/ AV						
38	5150.00	PK	49.05	-26.92	32.20	54.33	74	PASS
38	5126.21	AV	45.37	-26.92	32.20	50.65	54	PASS
62	5350.00	PK	45.88	-26.80	32.20	51.28	74	PASS
62	5374.85	AV	44.53	-26.80	32.20	49.93	54	PASS
102	5470.00	PK	48.58	-26.64	32.20	54.14	68.23	PASS
102	5463.06	AV	43.88	-26.64	32.20	49.44	54	PASS
142	5741.93	PK	46.26	-26.64	32.20	51.82	68.23	PASS
142	5725.00	AV	43.75	-26.64	32.20	49.31	54	PASS
151	5725.00	PK	49.14	-26.23	32.20	55.11	122.23	PASS
151	5725.00	AV	43.95	-26.23	32.20	49.92	54	PASS
159	5850.00	PK	44.19	-26.23	32.20	50.16	122.23	PASS
159	5850.00	AV	42.81	-26.23	32.20	48.78	54	PASS



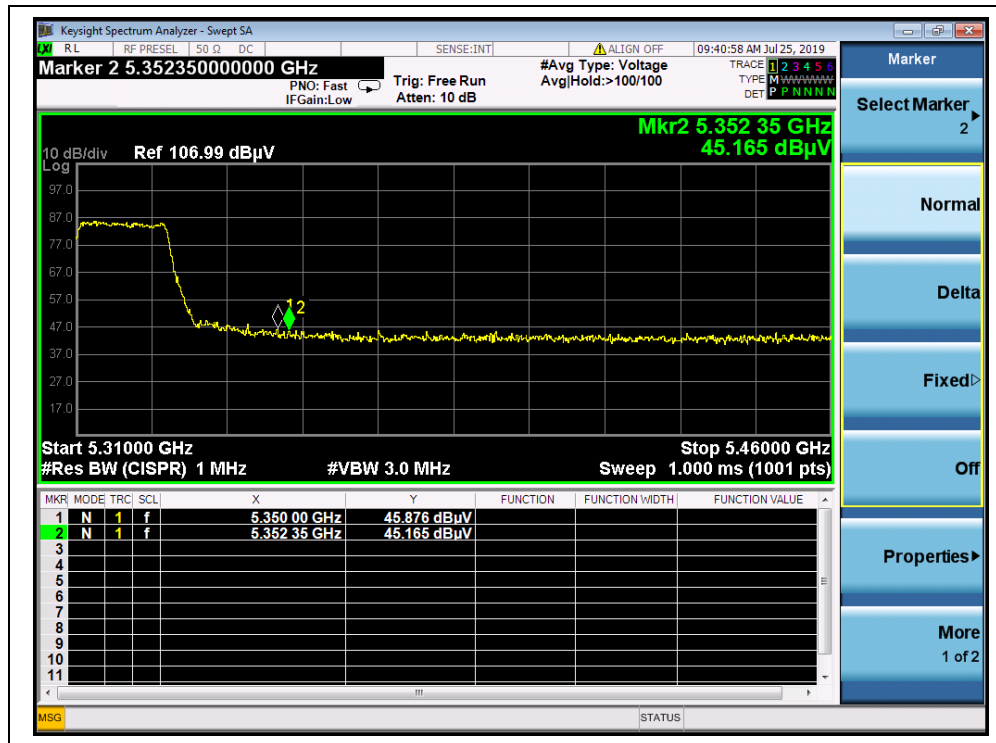
B. Test Plots:



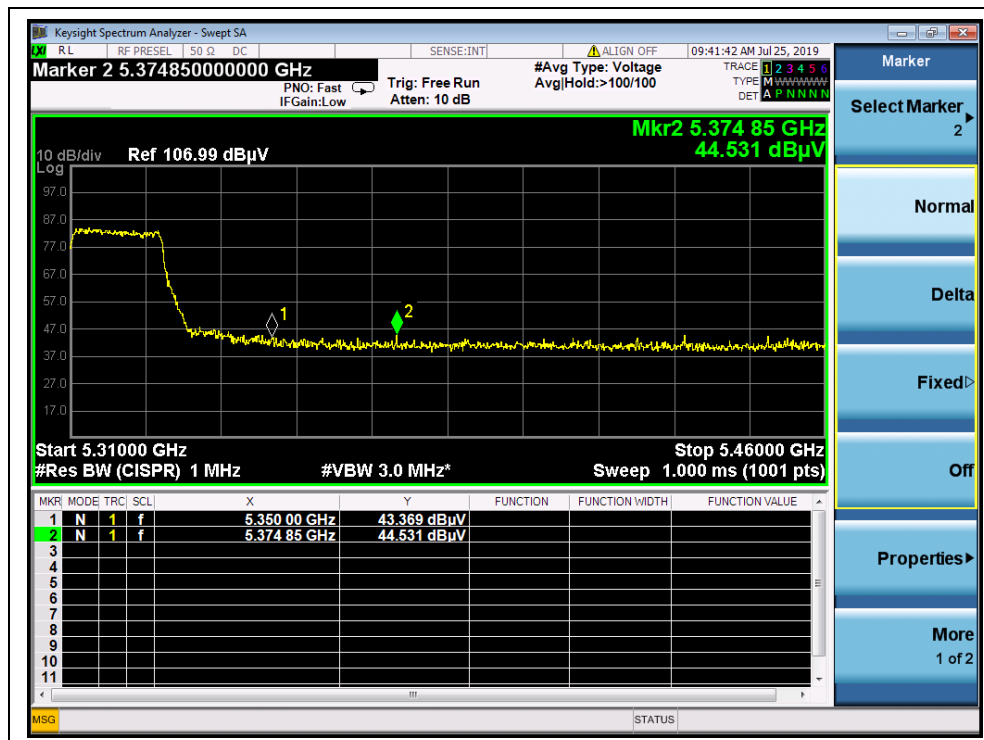
(Channel 38, PEAK, 802.11n (HT40))



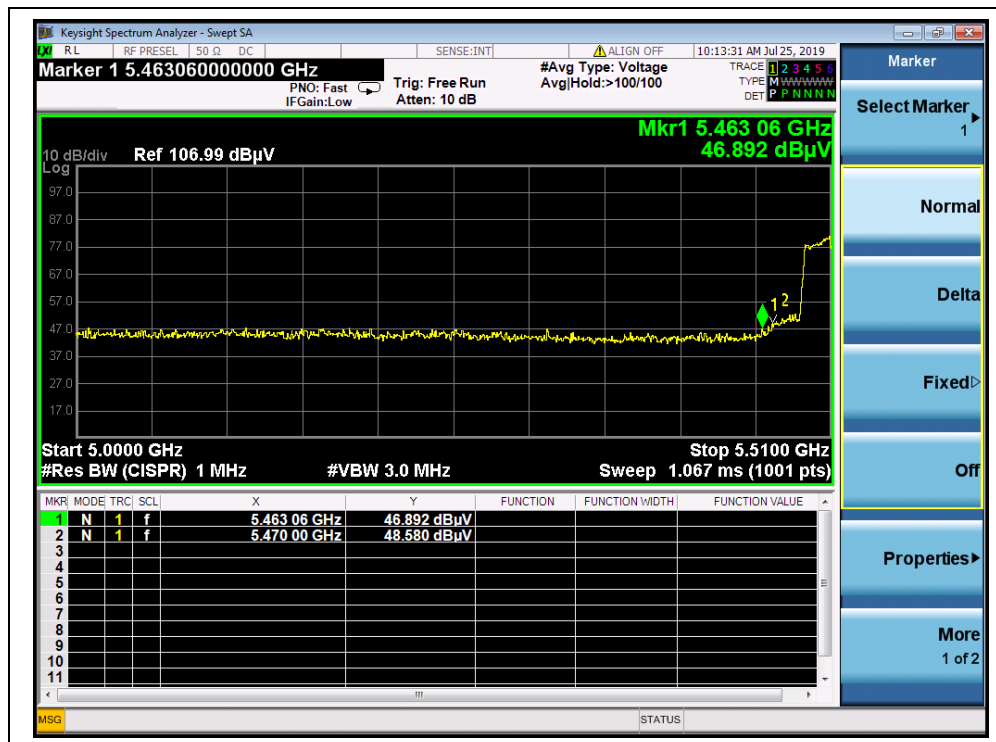
(Channel 38, AVG, 802.11n (HT40))



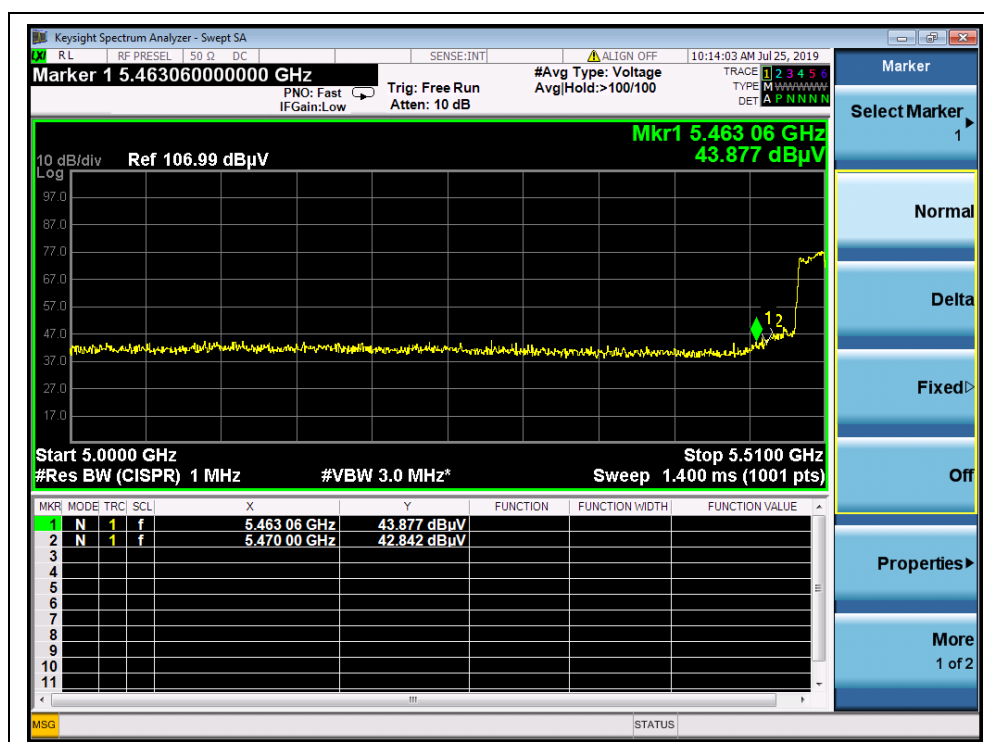
(Channel 62, PEAK, 802.11n (HT40))



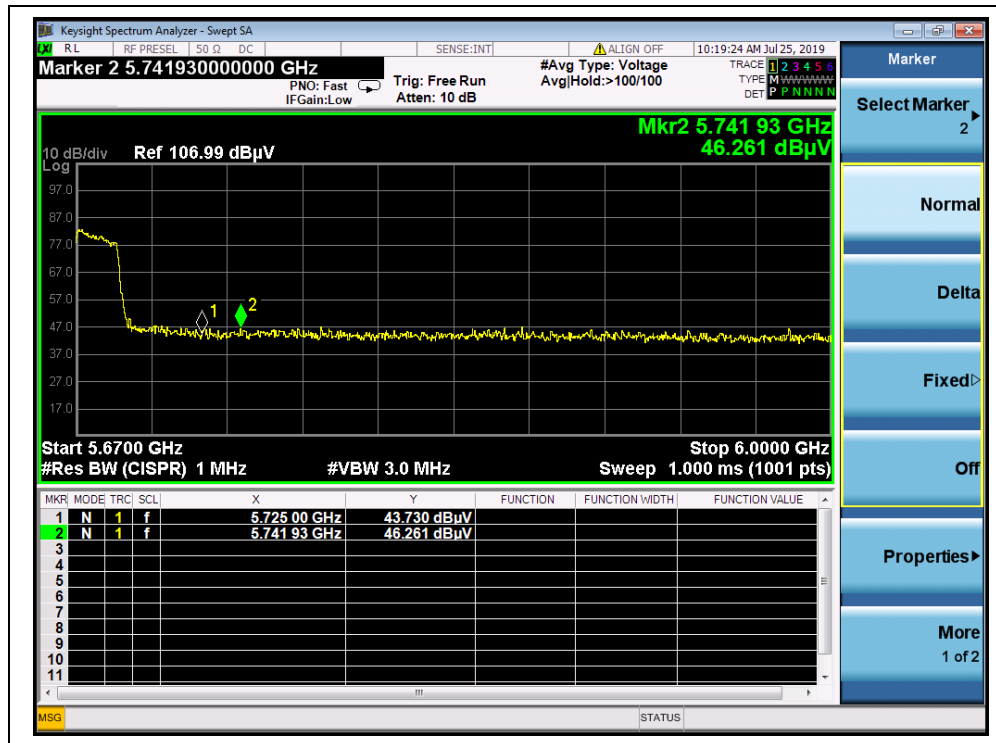
(Channel 62, AVG, 802.11n (HT40))



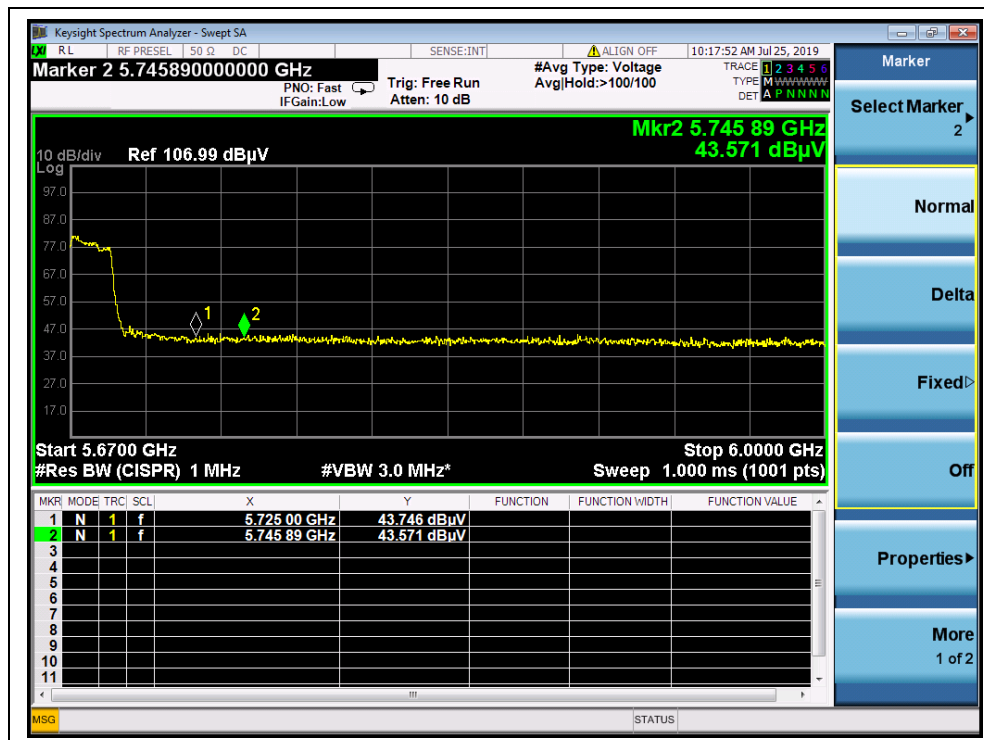
(Channel 102, PEAK, 802.11n (HT40))



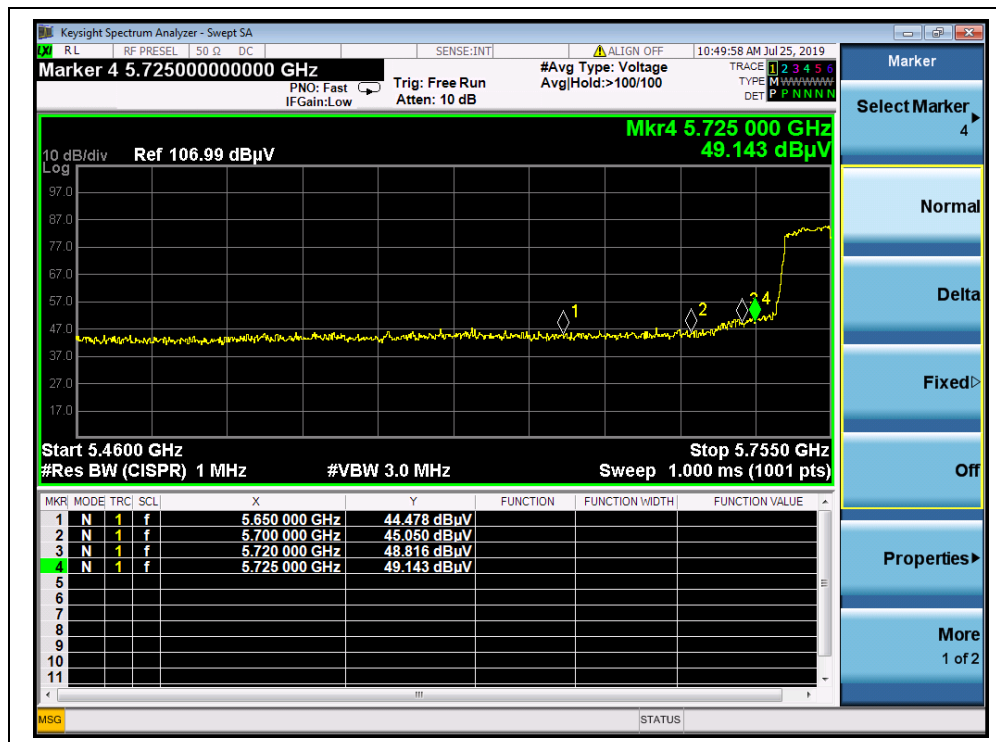
(Channel 102, AVG, 802.11n (HT40))



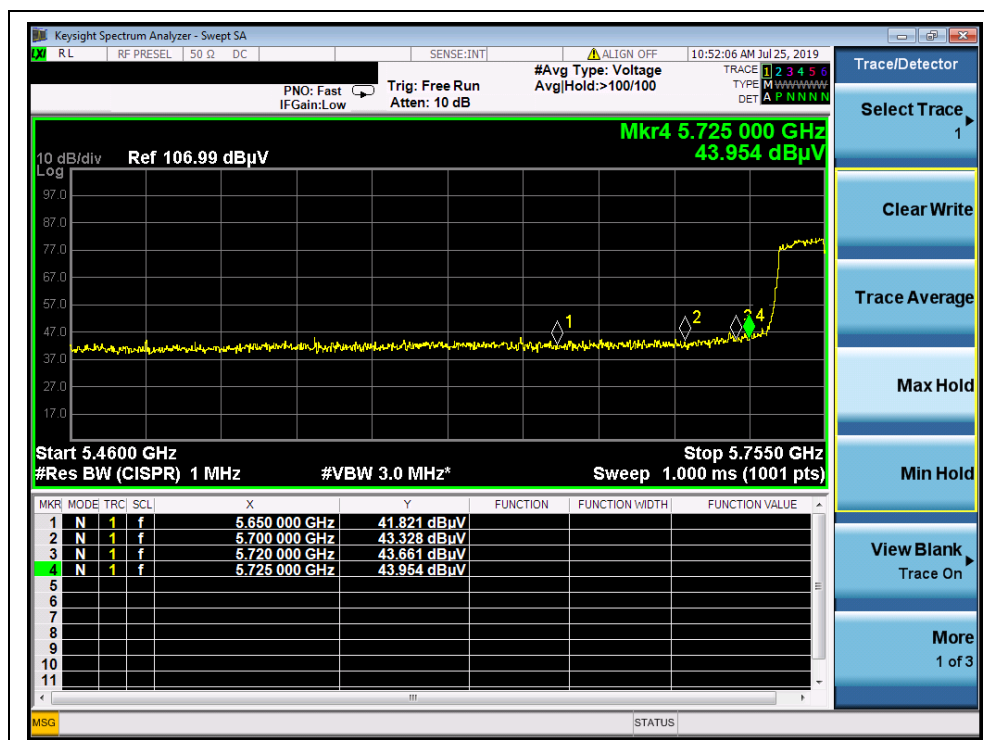
(Channel 142, PEAK, 802.11n (HT40))



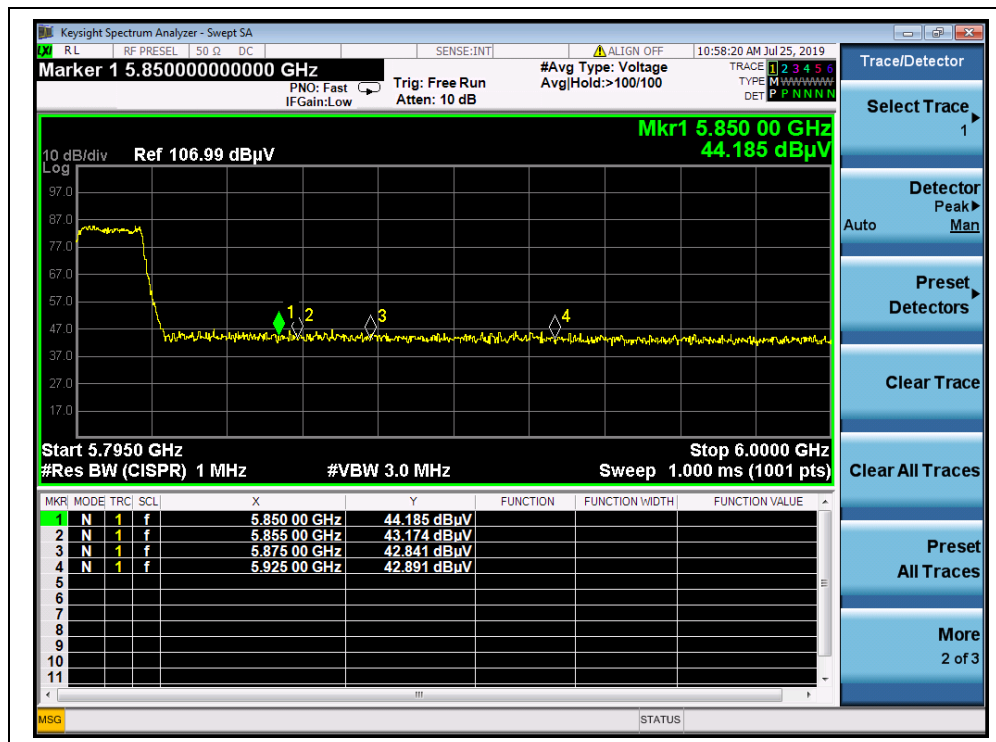
(Channel 142, AVG, 802.11n (HT40))



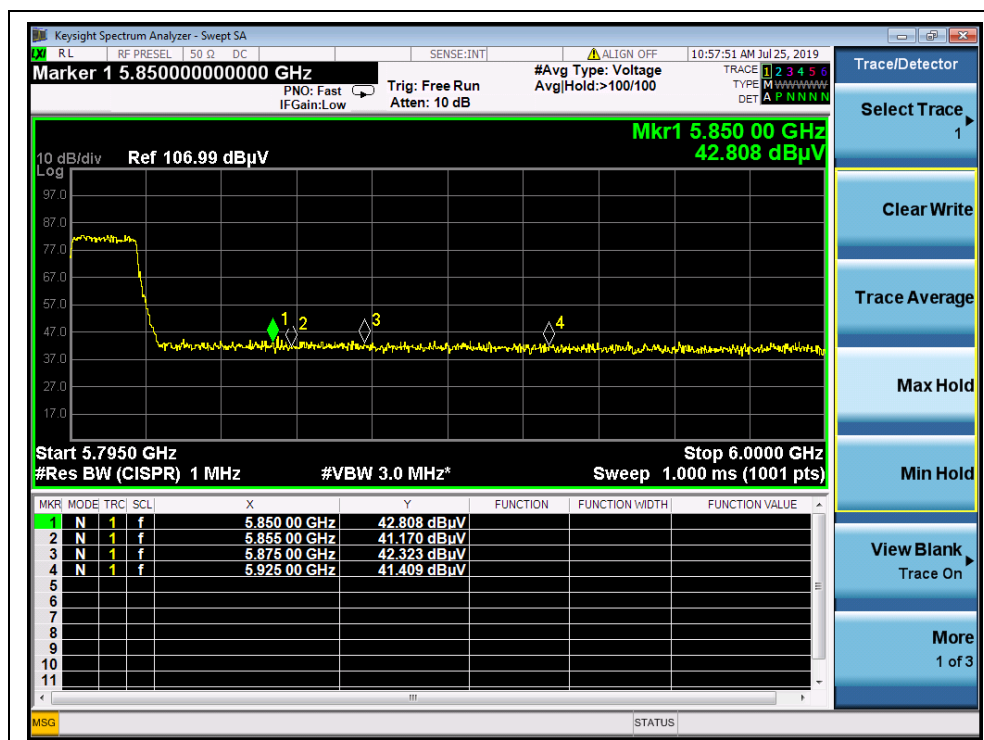
(Channel 151, PEAK, 802.11n (HT40))



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



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



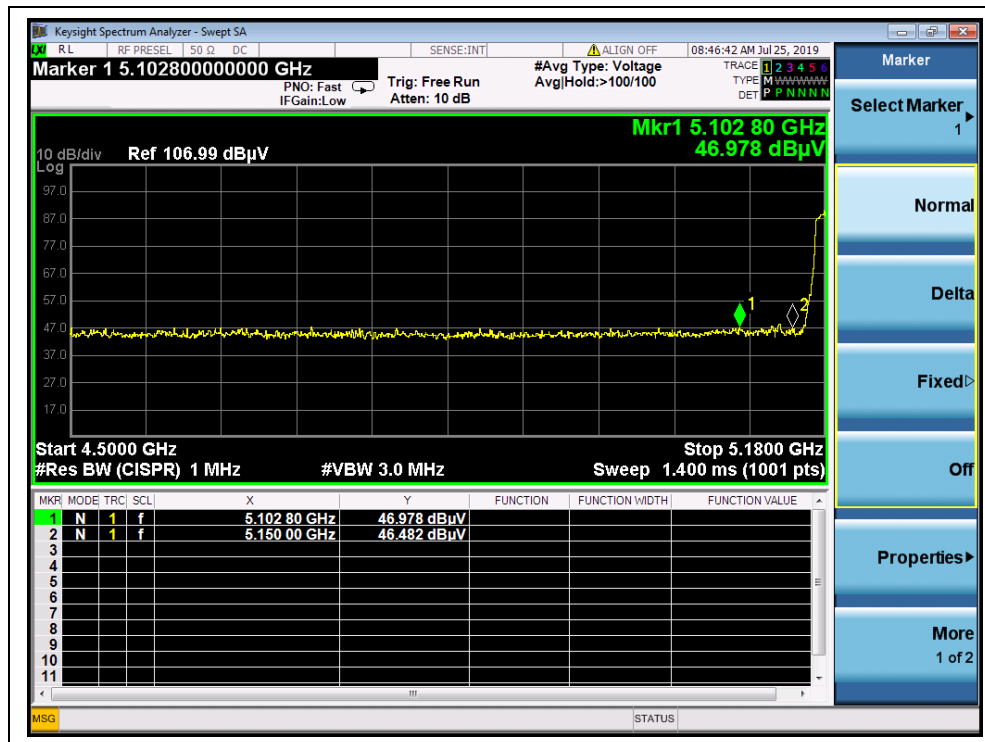
(Channel 159, AVG, 802.11n (HT40))

**802.11ac (VHT20) Test mode****A. Test Verdict:**

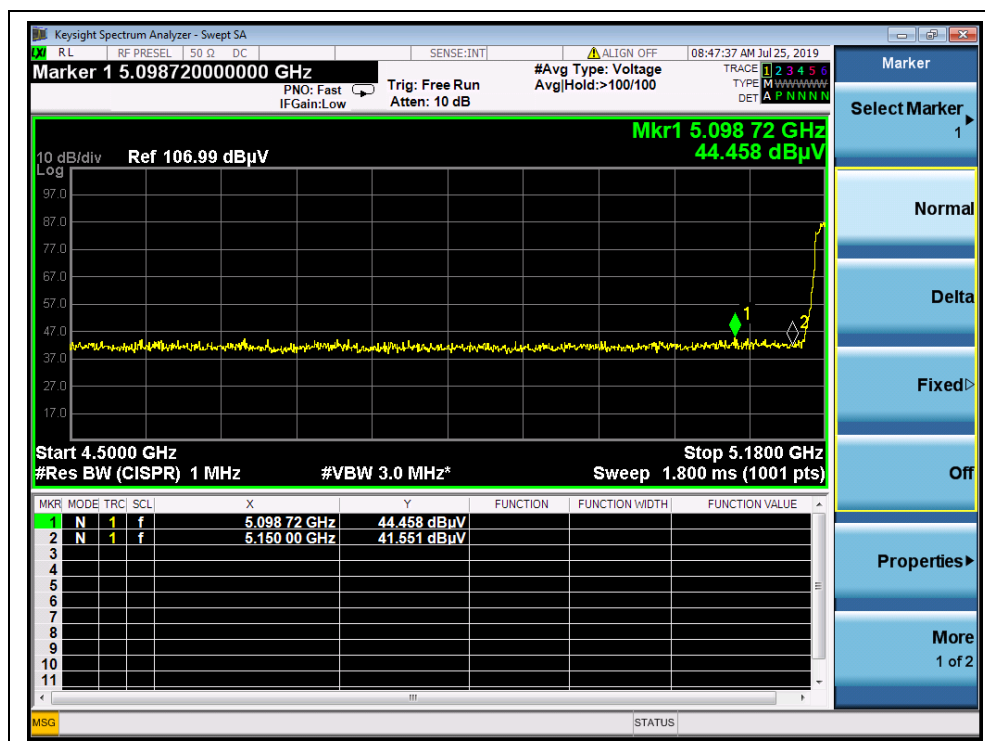
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBuV/m)	Limit (dBuV/m)	Verdict
		PK/ AV						
36	5102.80	PK	46.98	-26.92	32.20	52.26	74	PASS
36	5098.72	AV	44.46	-26.92	32.20	49.74	54	PASS
64	5351.88	PK	45.14	-26.80	32.20	50.54	74	PASS
64	5390.10	AV	43.53	-26.80	32.20	48.93	54	PASS
100	5091.54	PK	48.48	-26.64	32.20	54.04	74	PASS
100	5170.08	AV	44.91	-26.64	32.20	50.47	54	PASS
144	5748.20	PK	47.09	-26.64	32.20	52.65	68.23	PASS
144	5751.50	AV	43.60	-26.64	32.20	49.16	54	PASS
149	5725.00	PK	45.93	-26.23	32.20	51.9	122.23	PASS
149	5725.00	AV	43.25	-26.23	32.20	49.22	54	PASS
165	5875.00	PK	44.51	-26.23	32.20	50.48	105.23	PASS
165	5850.00	AV	42.95	-26.23	32.20	48.92	54	PASS



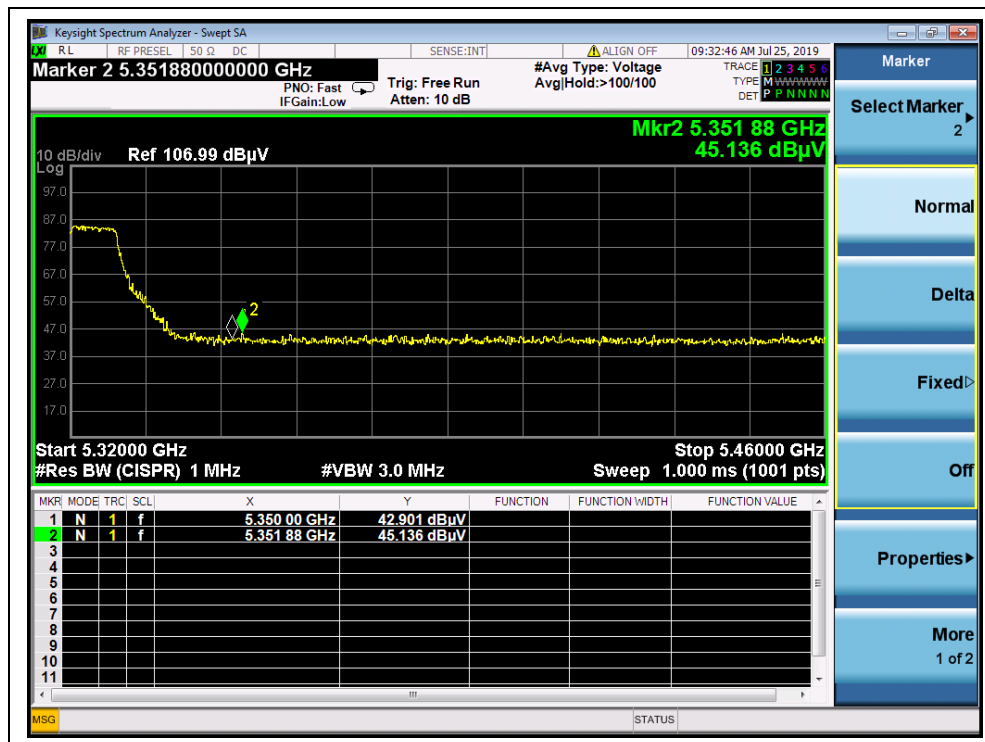
B. Test Plots:



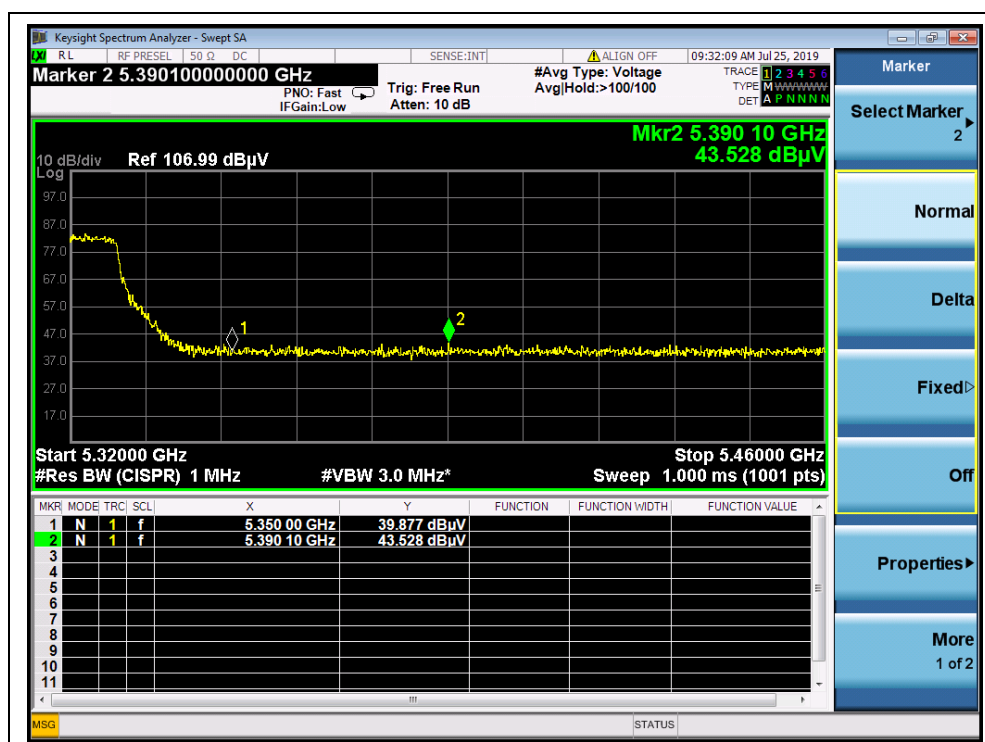
(Channel 36, PEAK, 802.11 ac (VHT20))



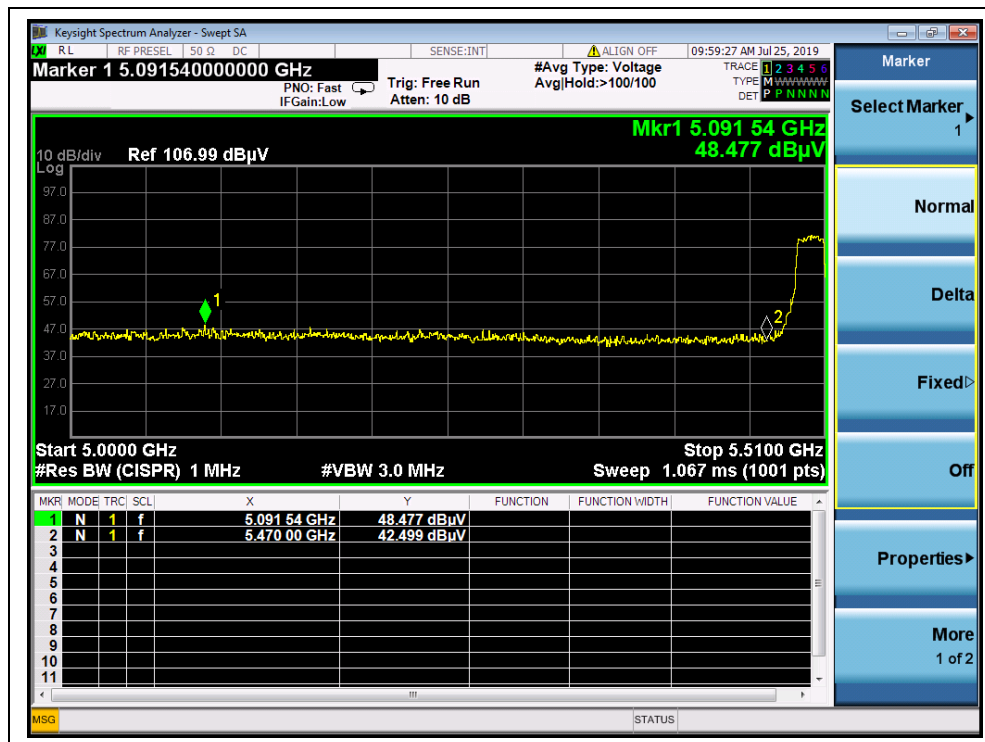
(Channel 36, AVG, 802.11 ac (VHT20))



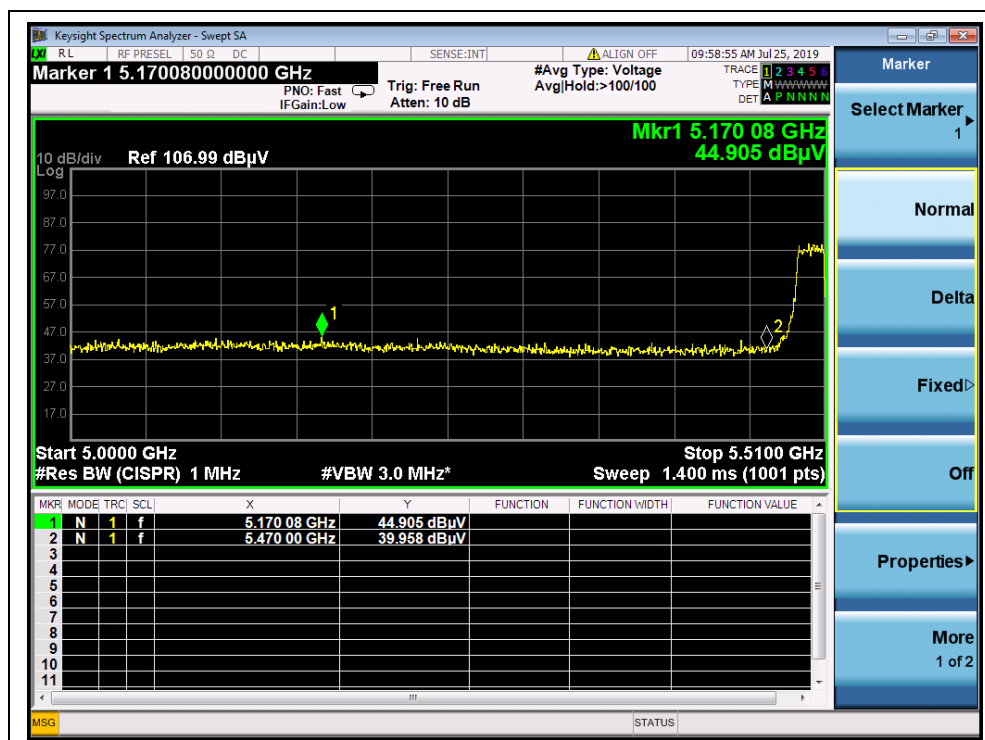
(Channel 64, PEAK, 802.11 ac (VHT20))



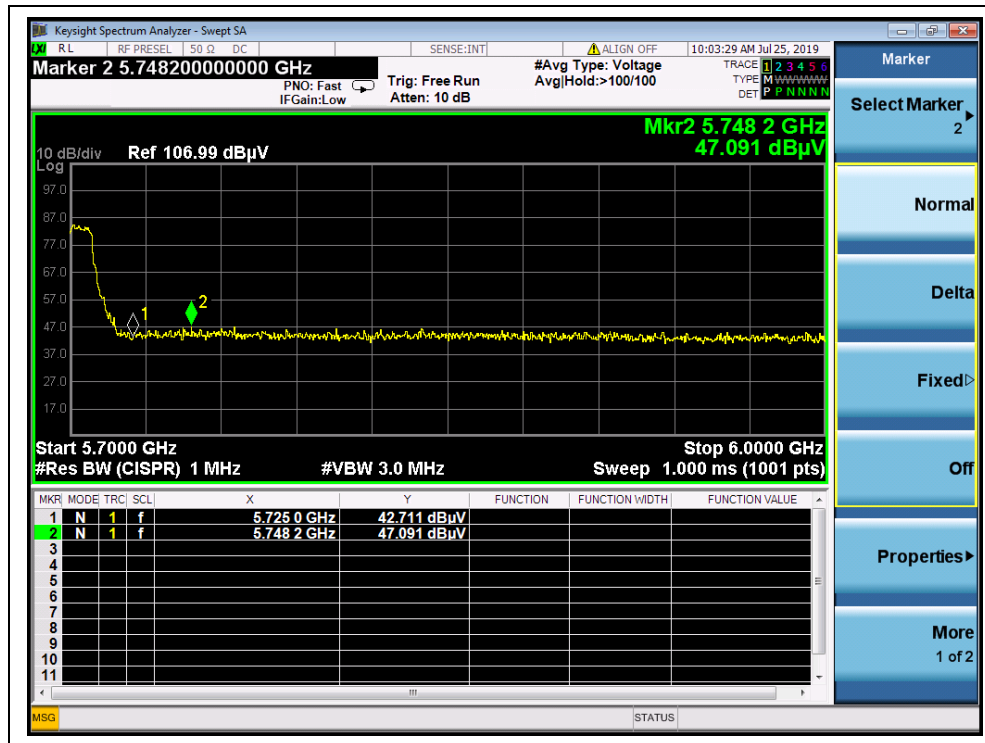
(Channel 64, AVG, 802.11 ac (VHT20))



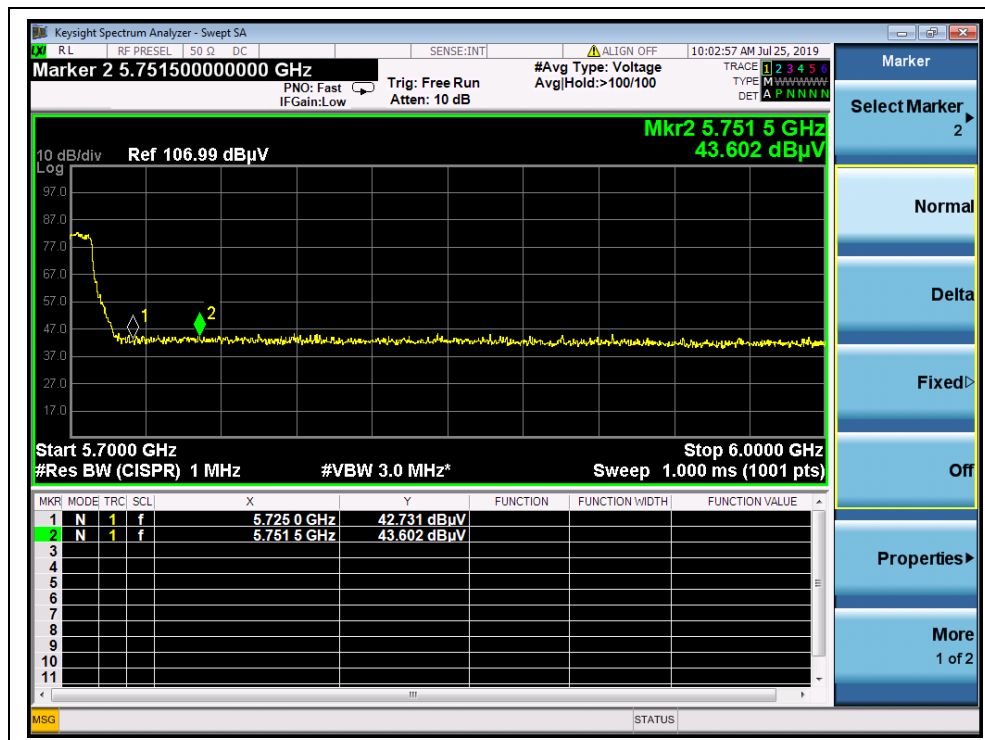
(Channel 100, PEAK, 802.11 ac (VHT20))



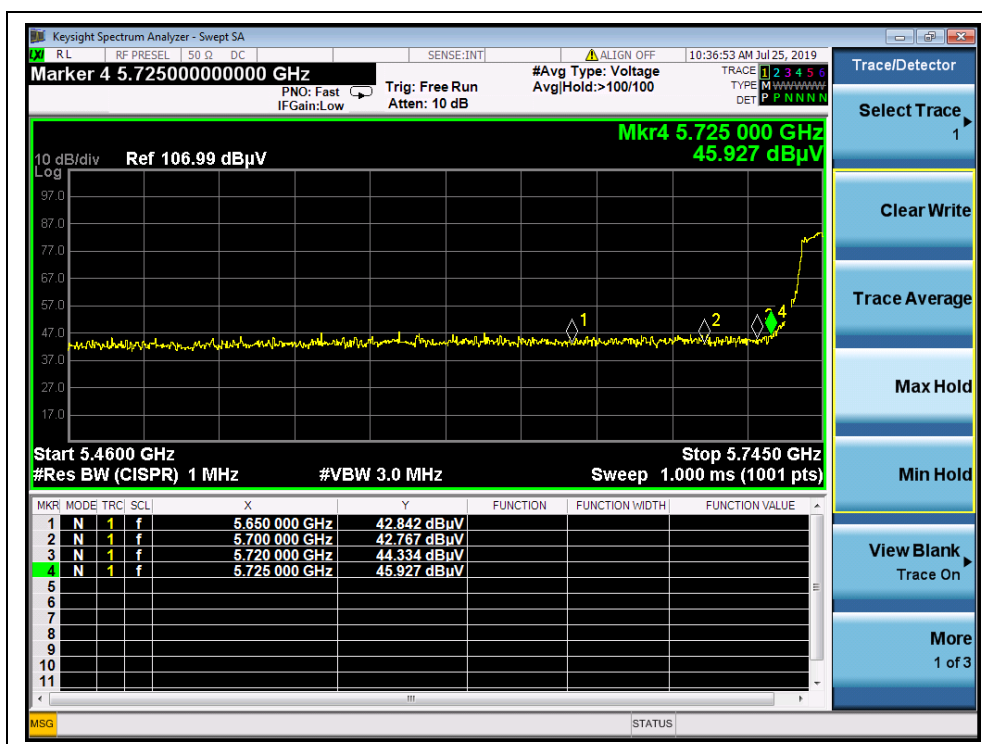
(Channel 100, AVG, 802.11 ac (VHT20))



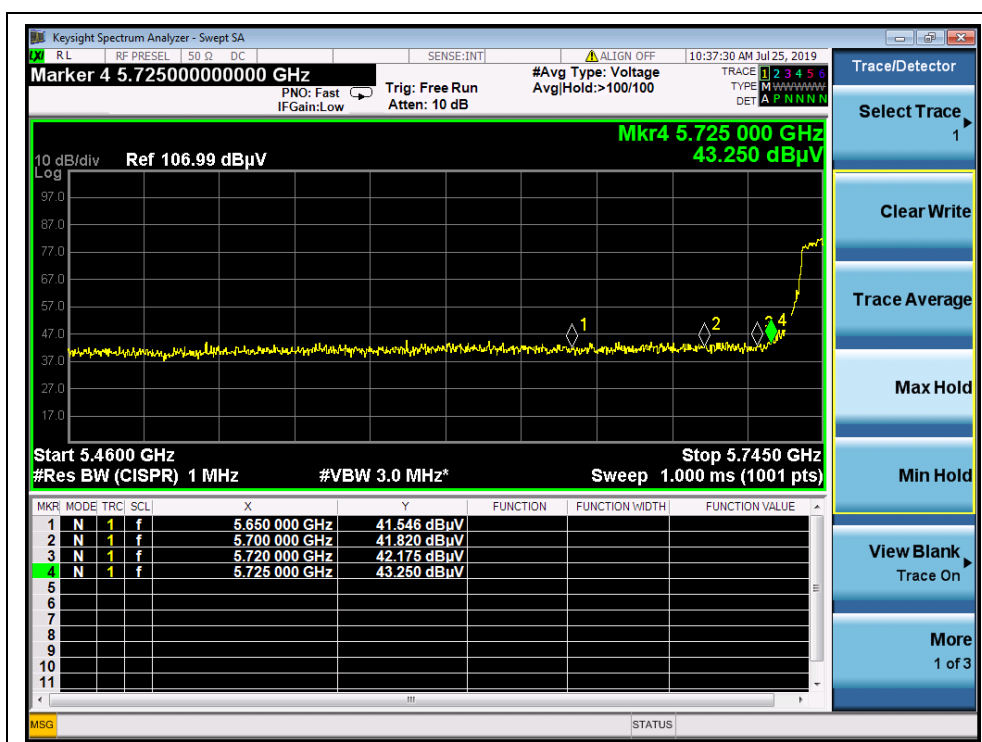
(Channel 144, PEAK, 802.11 ac (VHT20))



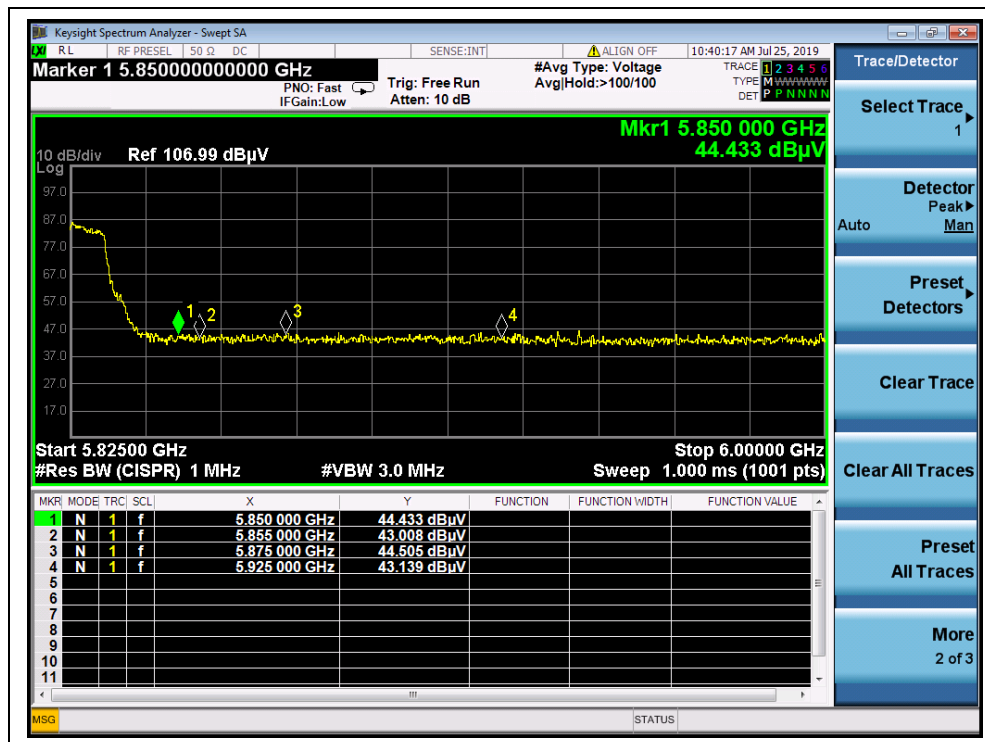
(Channel 144, AVG, 802.11 ac (VHT20))



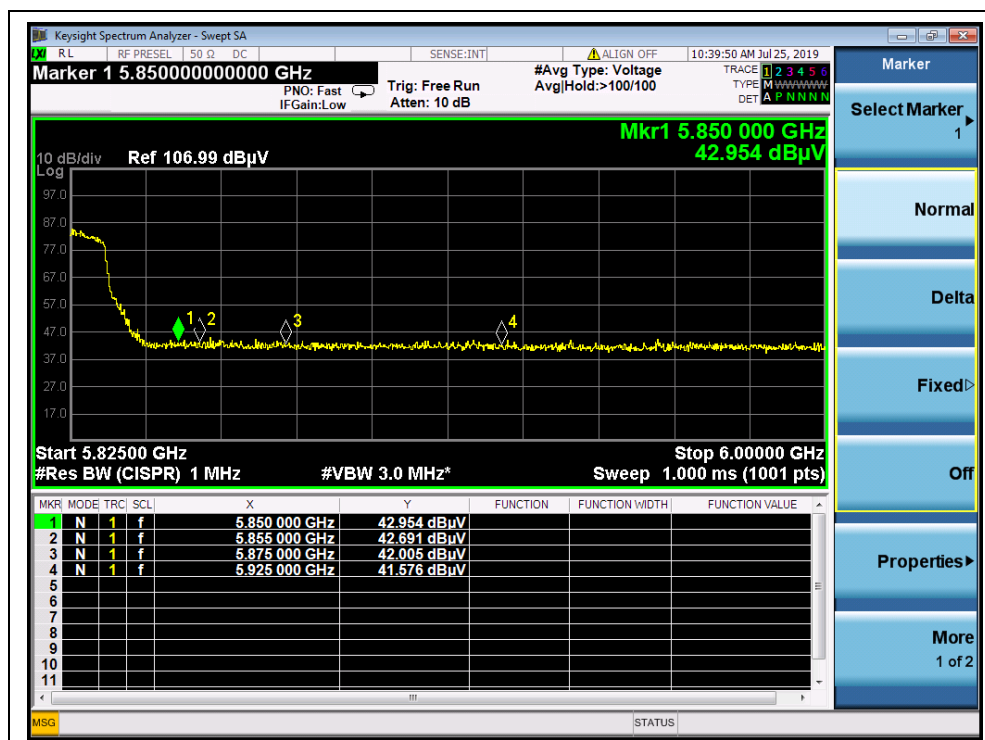
(Channel 149, PEAK, 802.11 ac (VHT20))



(Channel 149, AVG, 802.11 ac (VHT20))



(Channel 165, PEAK, 802.11 ac (VHT20))



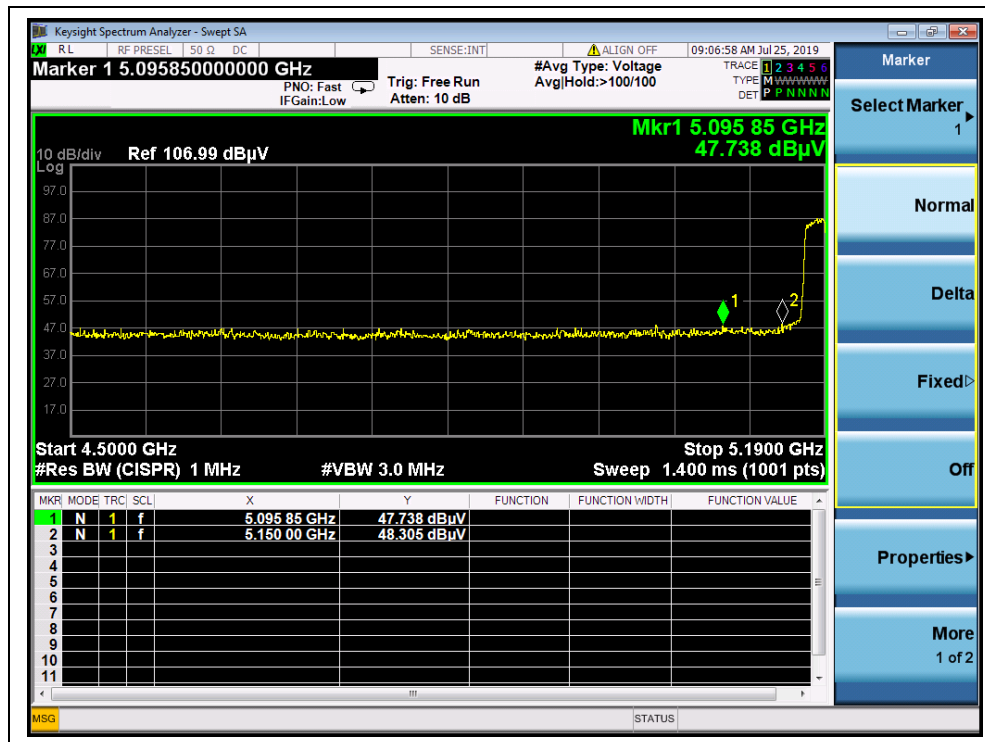
(Channel 165, AVG, 802.11 ac (VHT20))

**802.11ac (VHT40) Test mode****A. Test Verdict:**

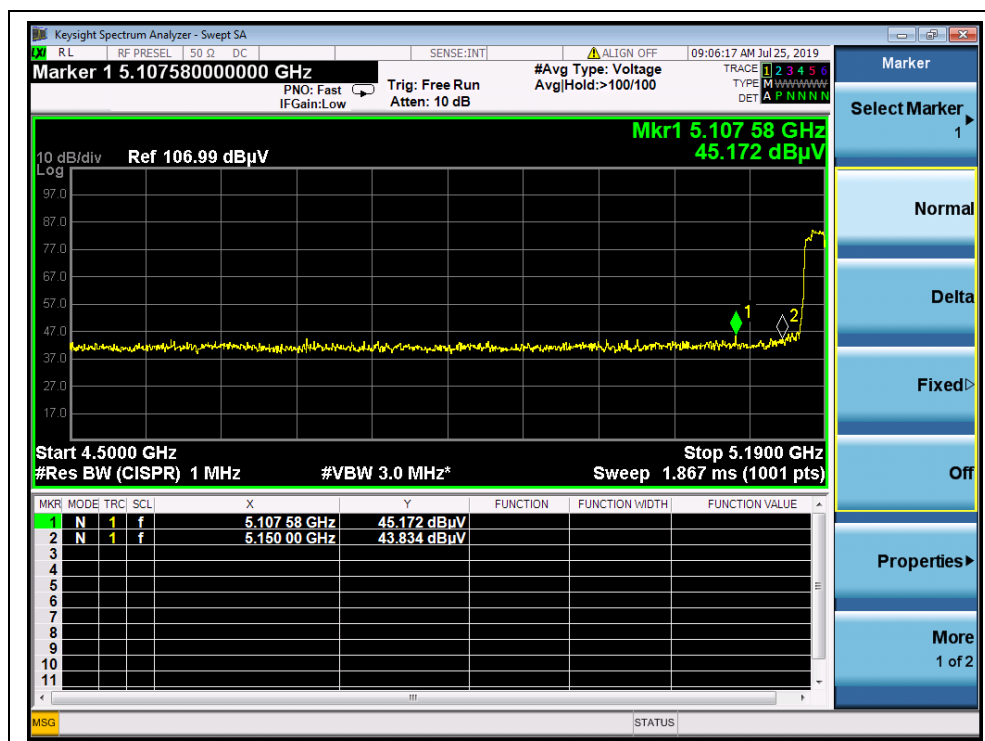
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBuV/m)	Limit (dBuV/m)	Verdict
		PK/ AV						
38	5150.00	PK	48.31	-26.92	32.20	53.59	74	PASS
38	5107.58	AV	45.17	-26.92	32.20	50.45	54	PASS
62	5353.40	PK	45.03	-26.80	32.20	50.43	74	PASS
62	5353.55	AV	42.85	-26.80	32.20	48.25	54	PASS
102	5470.00	PK	49.25	-26.64	32.20	54.81	68.23	PASS
102	5470.00	AV	45.54	-26.64	32.20	51.10	54	PASS
142	5736.32	PK	46.96	-26.64	32.20	52.52	68.23	PASS
142	5759.42	AV	44.88	-26.64	32.20	50.44	54	PASS
151	5725.00	PK	46.43	-26.23	32.20	52.40	122.23	PASS
151	5725.00	AV	44.24	-26.23	32.20	50.21	54	PASS
159	5850.00	PK	43.89	-26.23	32.20	49.86	122.23	PASS
159	5850.00	AV	41.15	-26.23	32.20	47.12	54	PASS



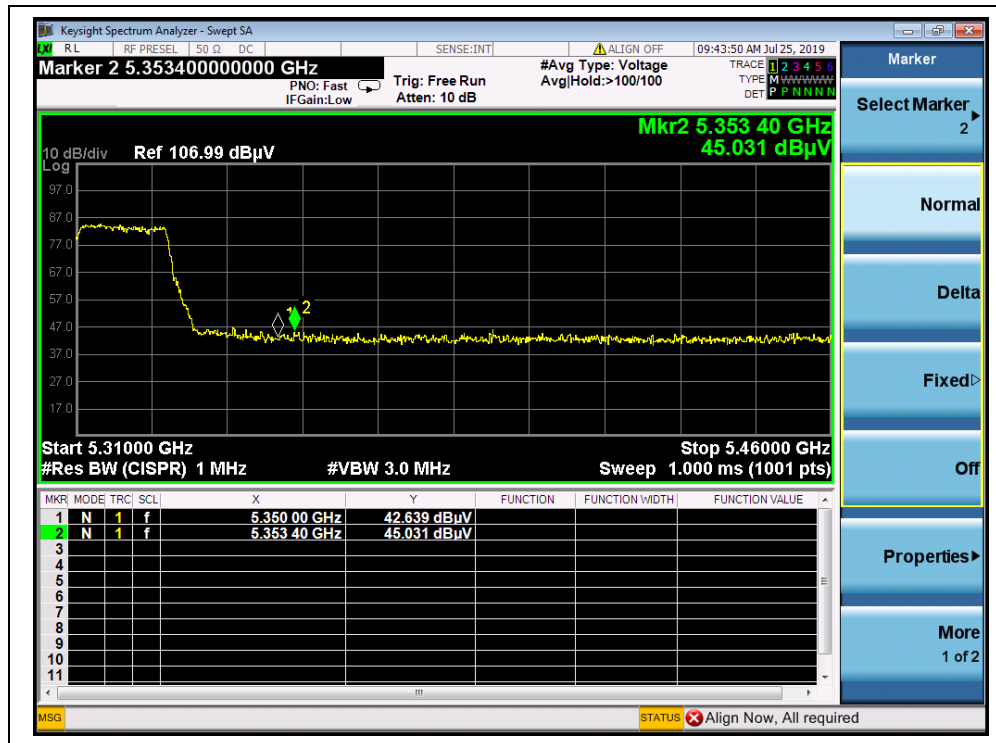
B. Test Plots:



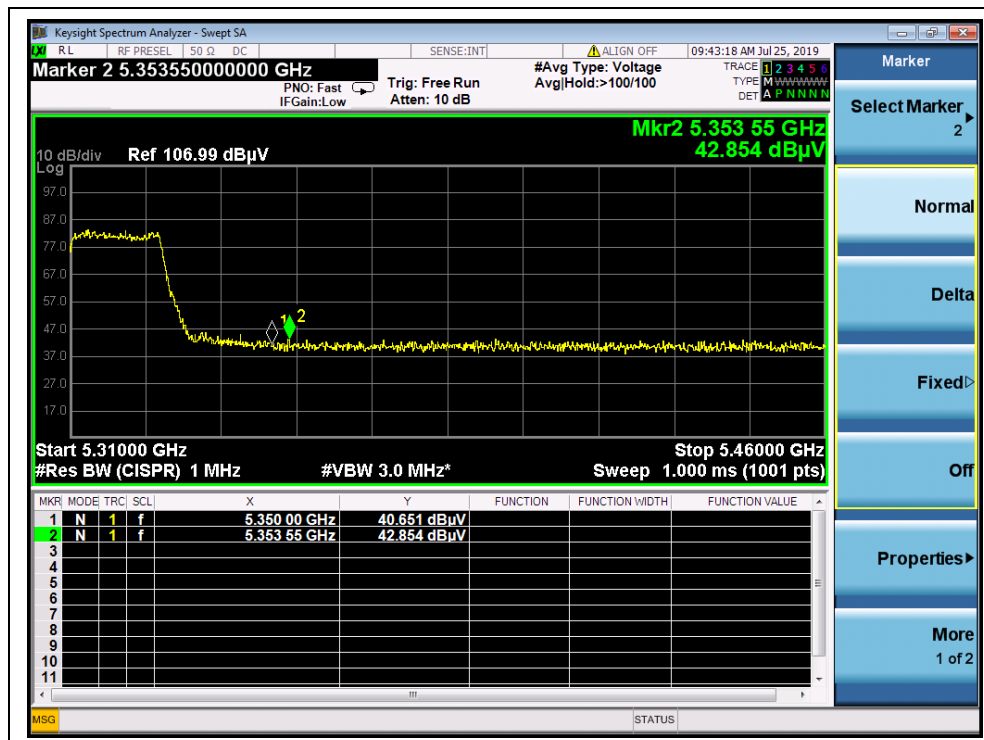
(Channel 38, PEAK, 802.11ac (VHT40))



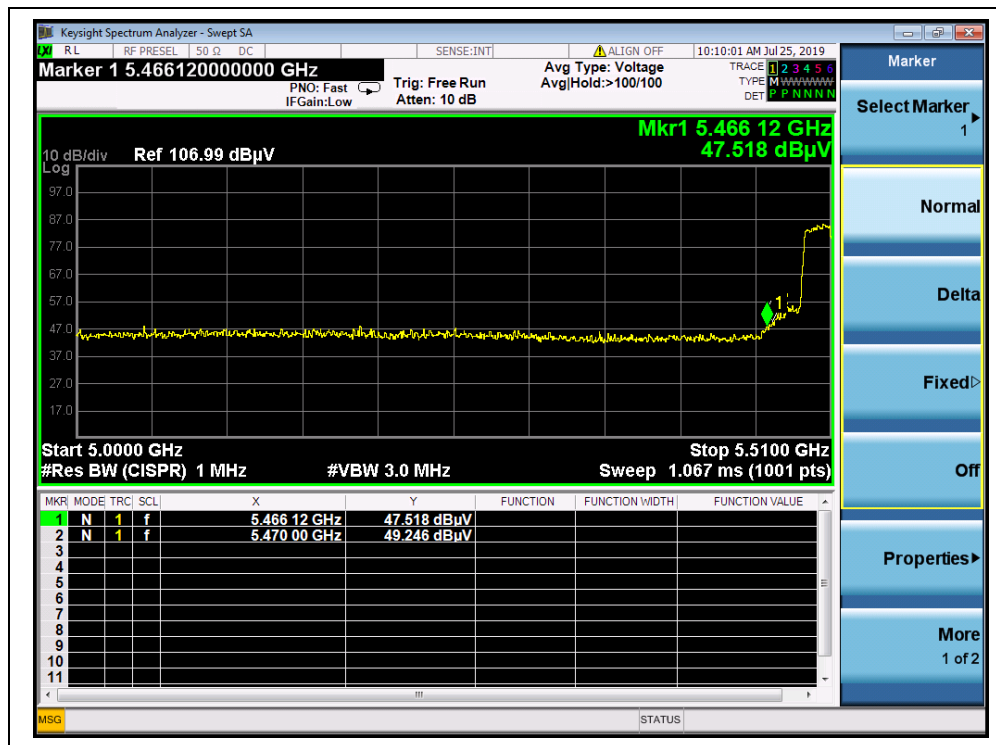
(Channel 38, AVG, 802.11ac (VHT40))



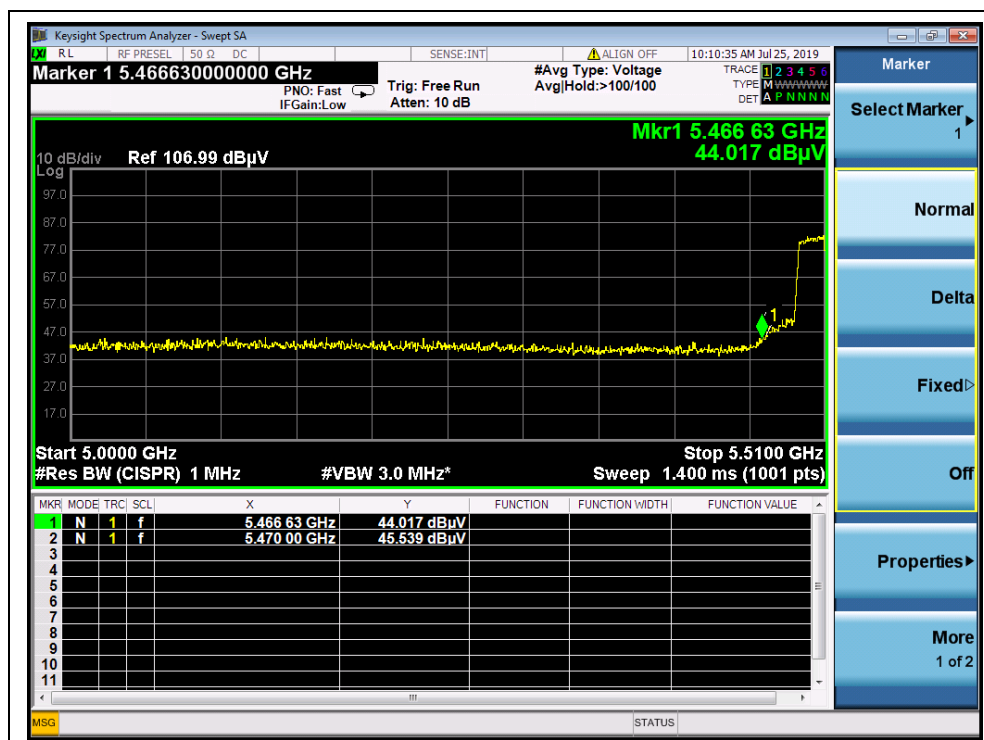
(Channel 62, PEAK, 802.11ac (VHT40))



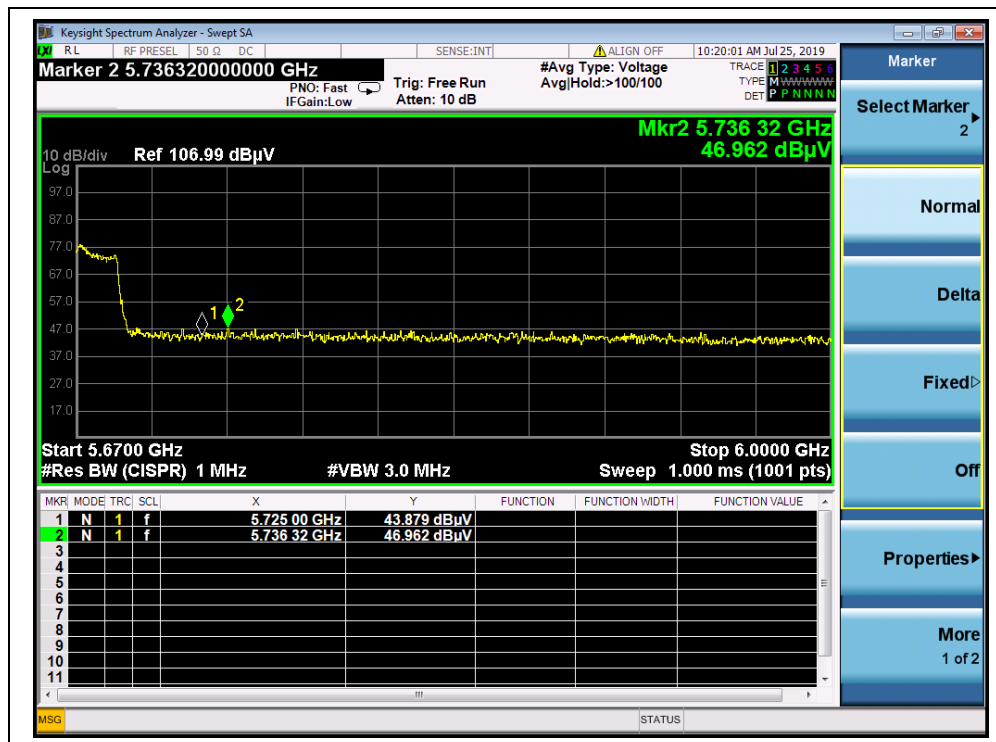
(Channel 62, AVG, 802.11ac (VHT40))



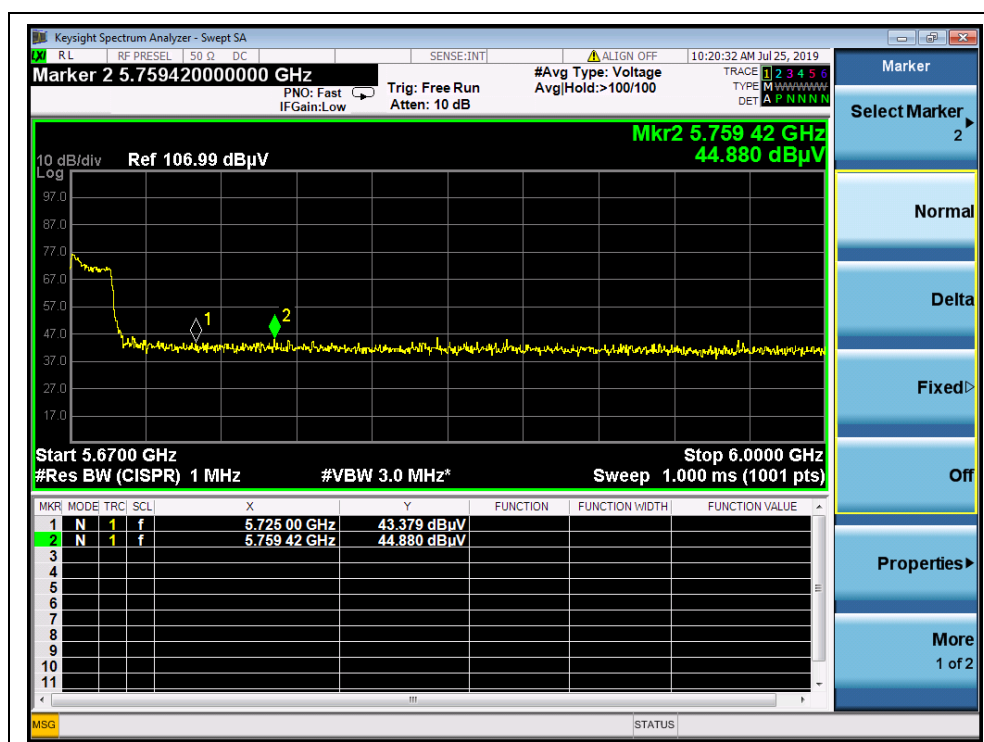
(Channel 102, PEAK, 802.11ac (VHT40))



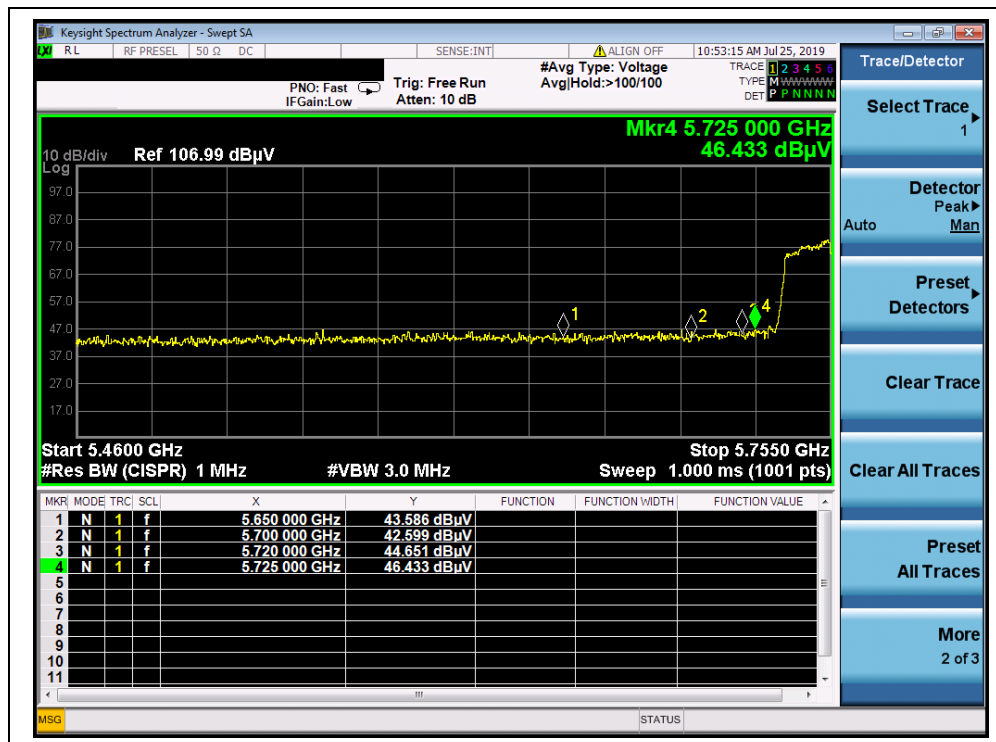
(Channel 102, AVG, 802.11ac (VHT40))



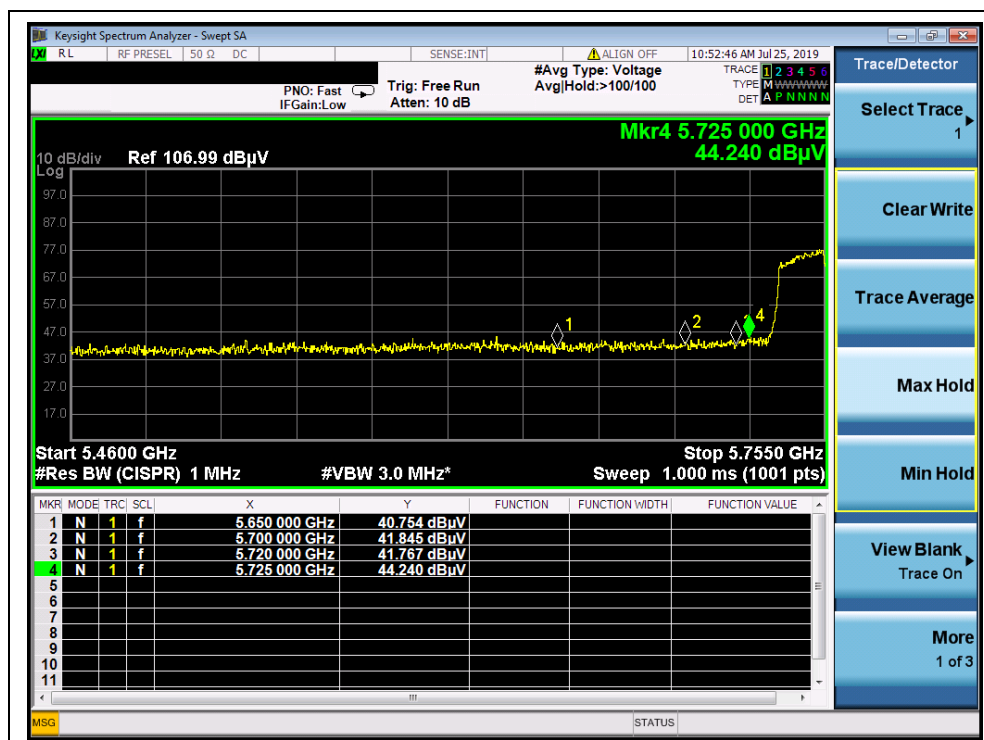
(Channel 142, PEAK, 802.11ac (VHT40))



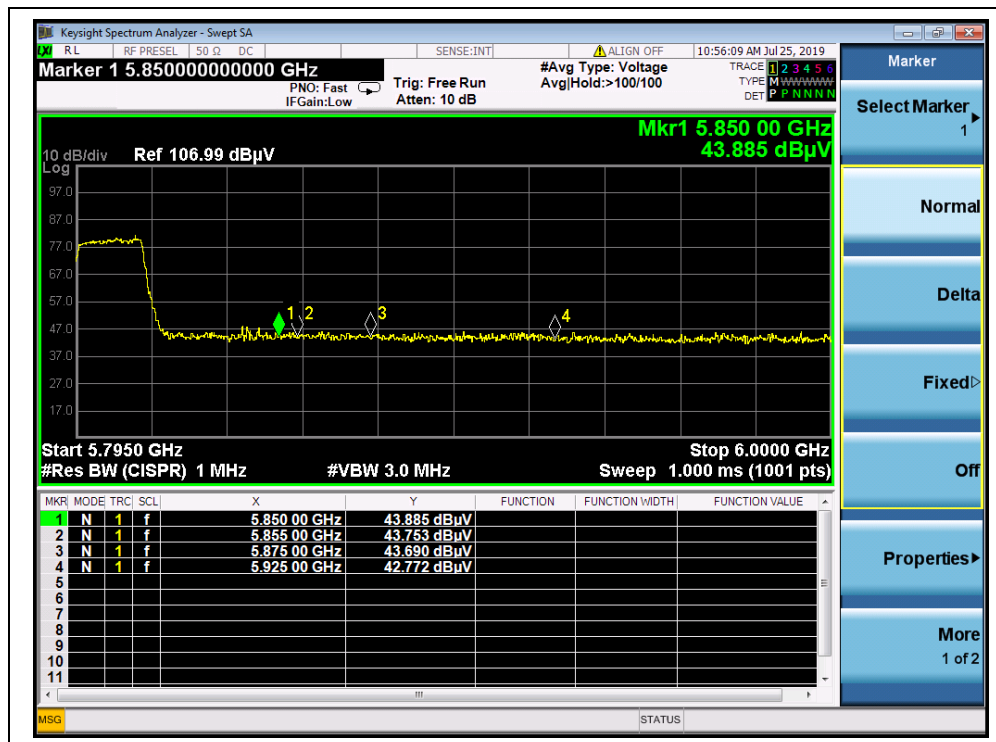
(Channel 142, AVG, 802.11ac (VHT40))



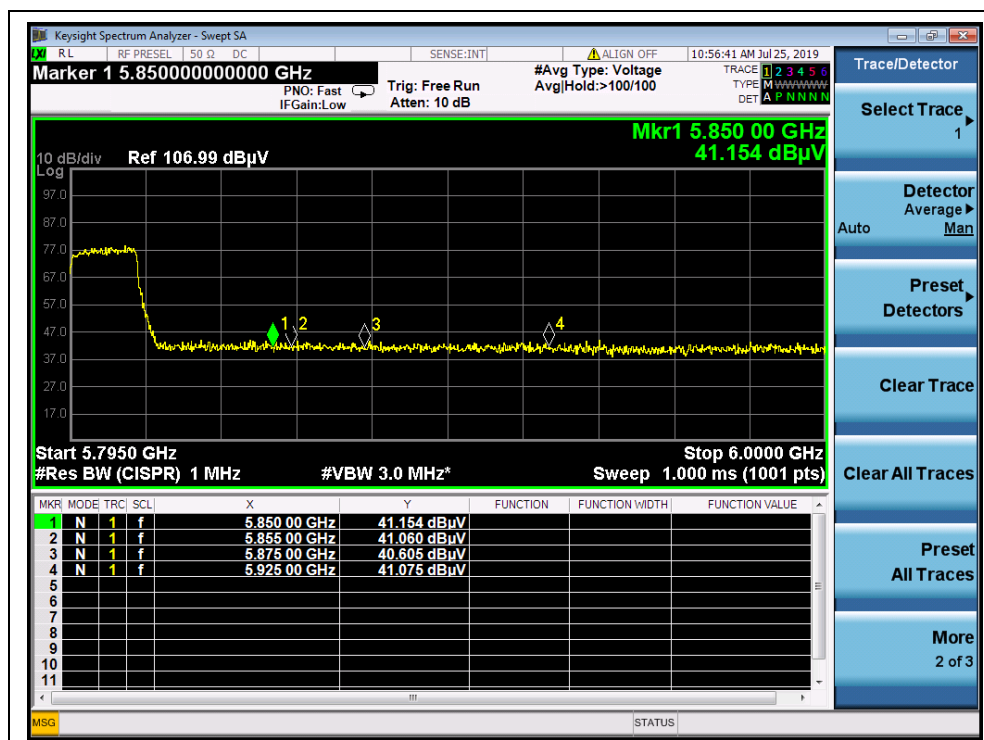
(Channel 151, PEAK, 802.11ac (VHT40))



(Channel 151, AVG, 802.11ac (VHT40))



(Channel 159, PEAK, 802.11ac (VHT40))



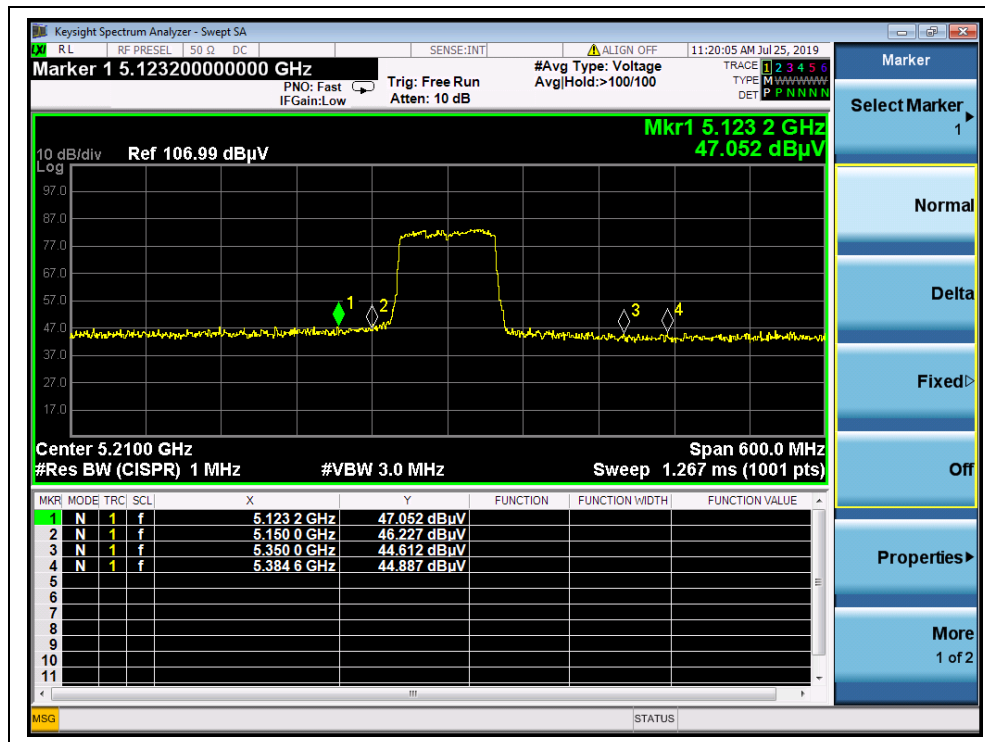
(Channel 159, AVG, 802.11ac (VHT40))

**802.11ac (VHT80) Test mode****A. Test Verdict:**

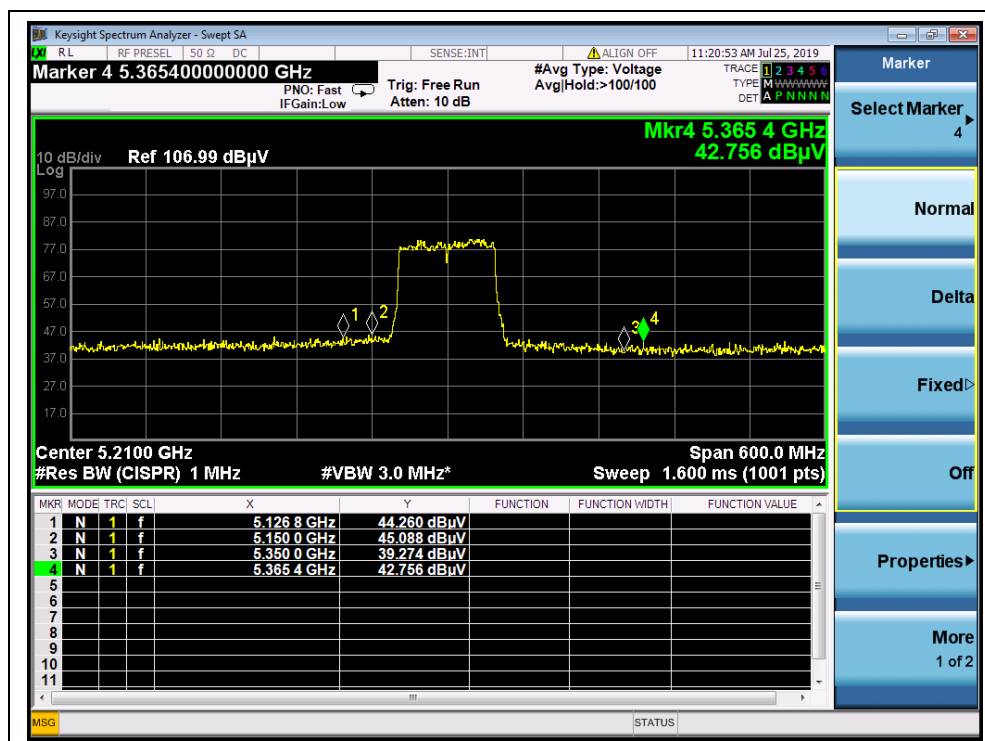
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBuV/m)	Limit (dBuV/m)	Verdict
		PK/ AV						
42	5123.20	PK	47.05	-26.92	32.20	52.33	74	PASS
42	5150.00	AV	45.09	-26.92	32.20	50.37	54	PASS
58	5403.20	PK	45.67	-26.80	32.20	51.07	74	PASS
58	5401.40	AV	41.49	-26.80	32.20	46.89	54	PASS
106	5470.00	PK	50.16	-26.64	32.20	55.72	68.23	PASS
106	5470.00	AV	46.24	-26.64	32.20	51.80	54	PASS
138	5763.40	PK	47.50	-26.64	32.20	53.06	68.23	PASS
138	5770.00	AV	44.15	-26.64	32.20	49.71	54	PASS
155	5704.80	PK	47.45	-26.23	32.20	53.42	106.57	PASS
155	5725.00	AV	44.86	-26.23	32.20	50.83	54	PASS
155	5914.20	PK	47.41	-26.23	32.20	53.38	76.22	PASS
155	5911.20	AV	43.83	-26.23	32.20	49.80	54	PASS



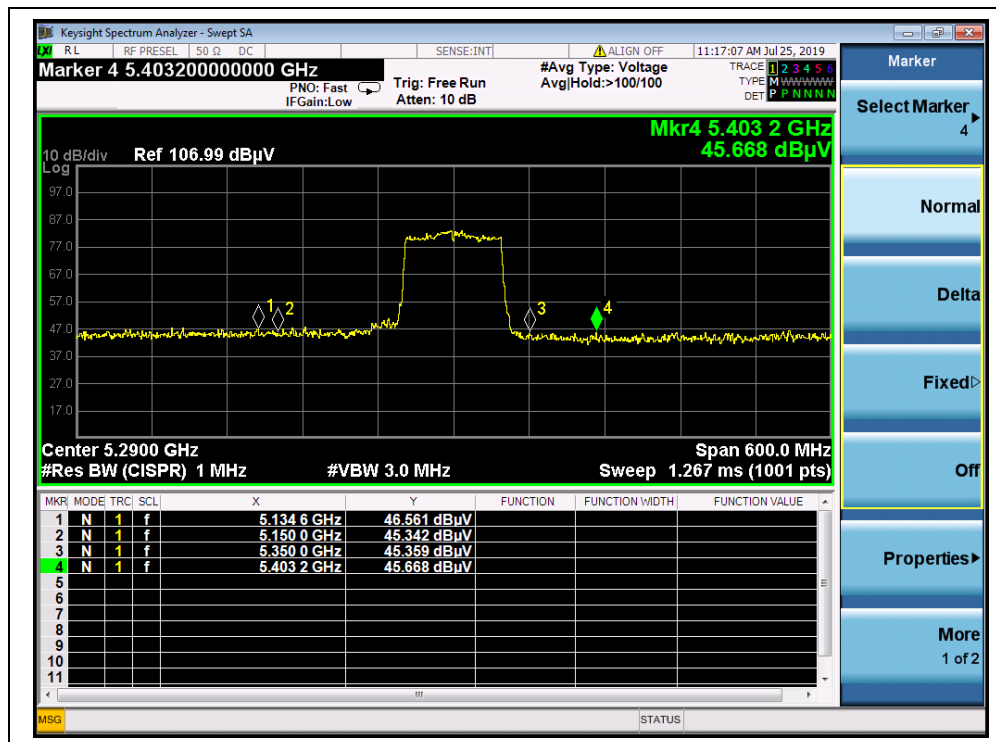
B. Test Plots:



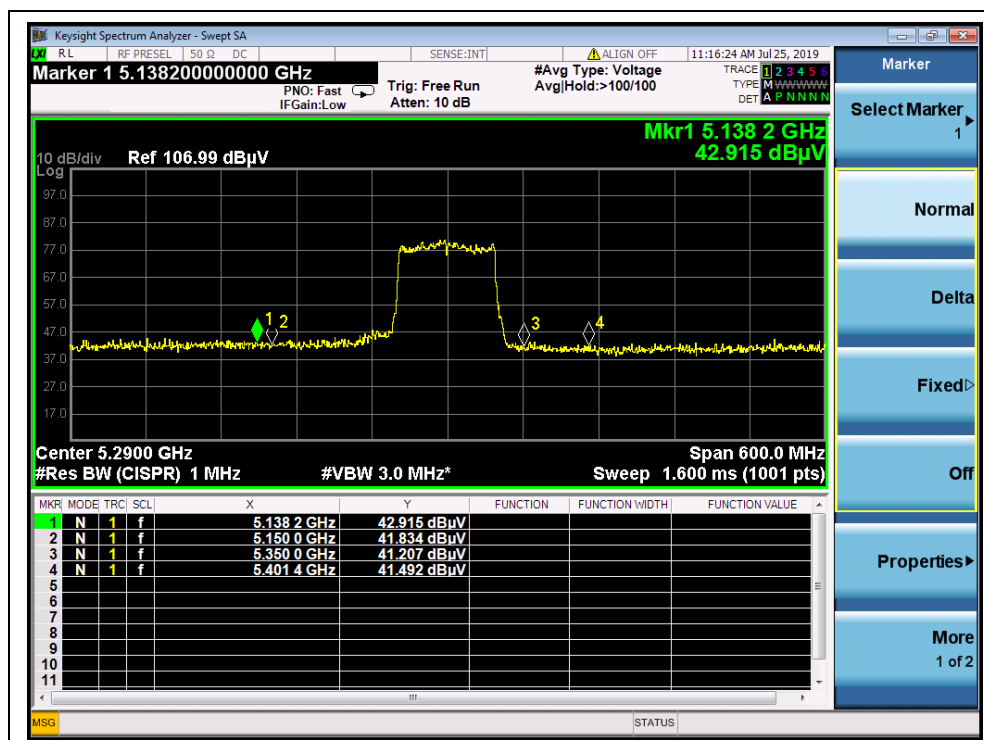
(Channel 42, PEAK, 802.11ac (VHT80))



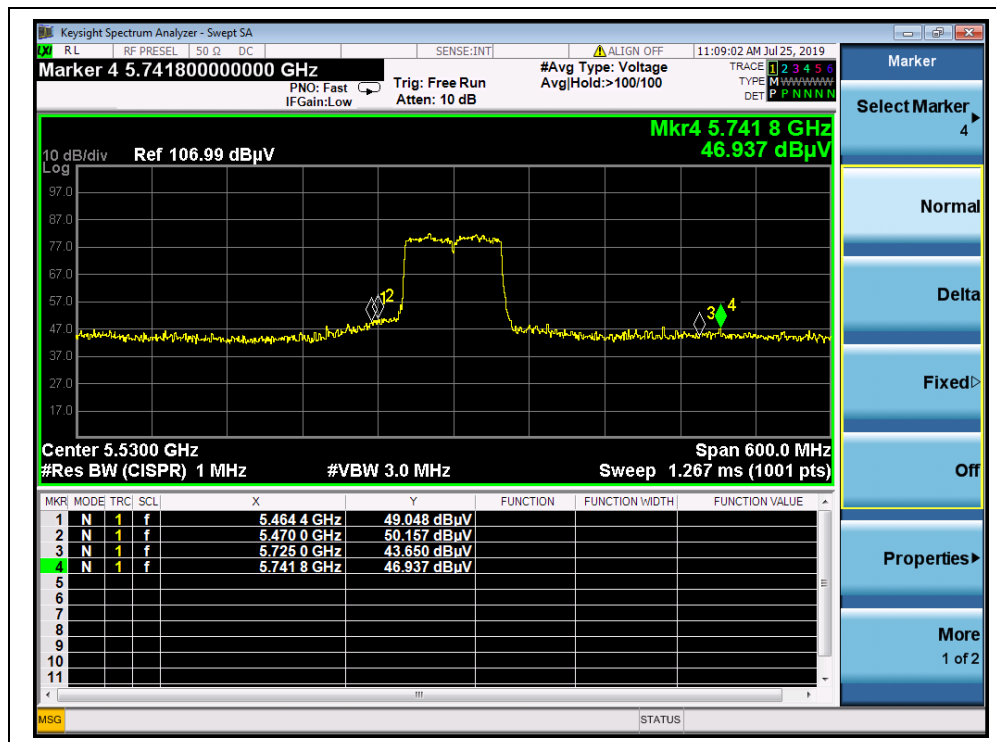
(Channel 42, AVG, 802.11ac (VHT80))



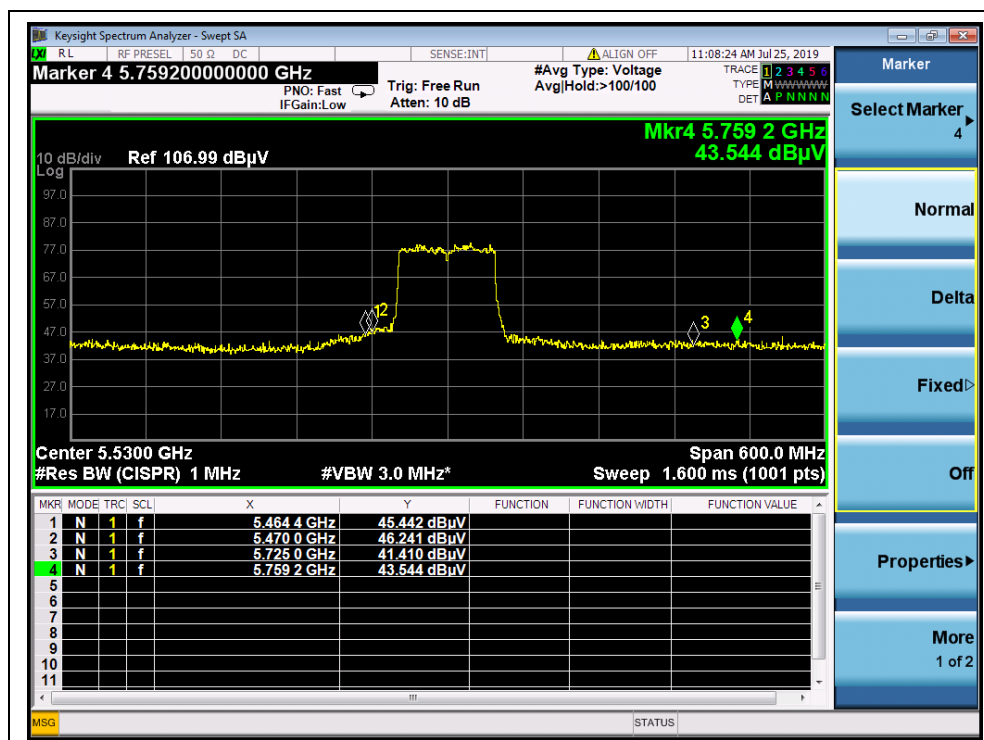
(Channel 58, PEAK, 802.11ac (VHT80))



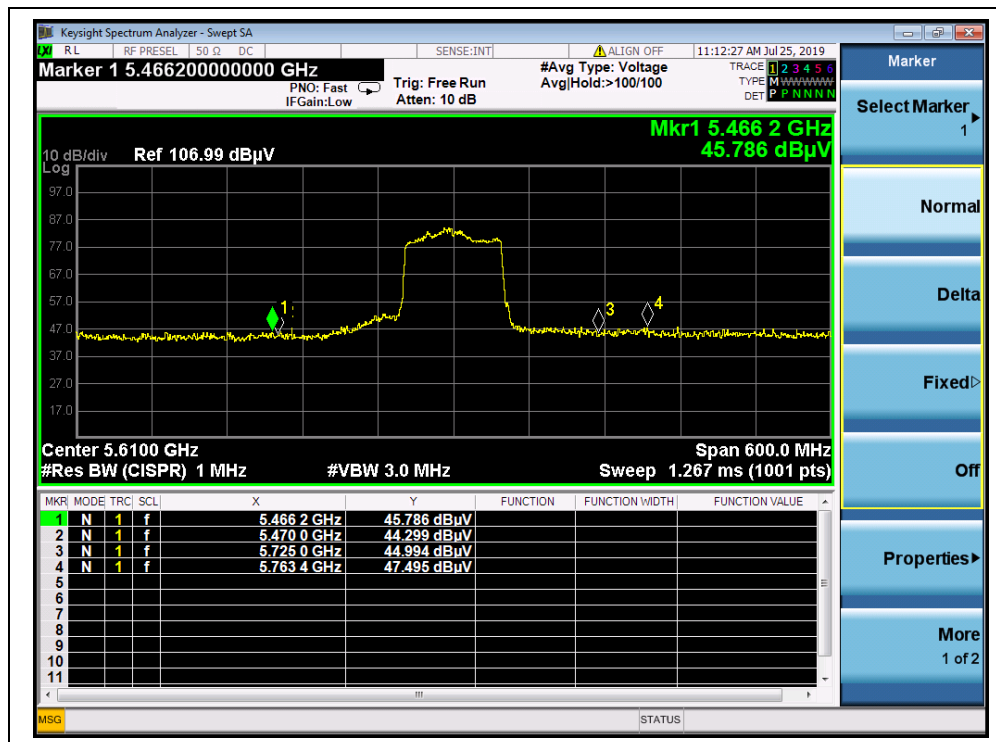
(Channel 58, AVG, 802.11ac (VHT80))



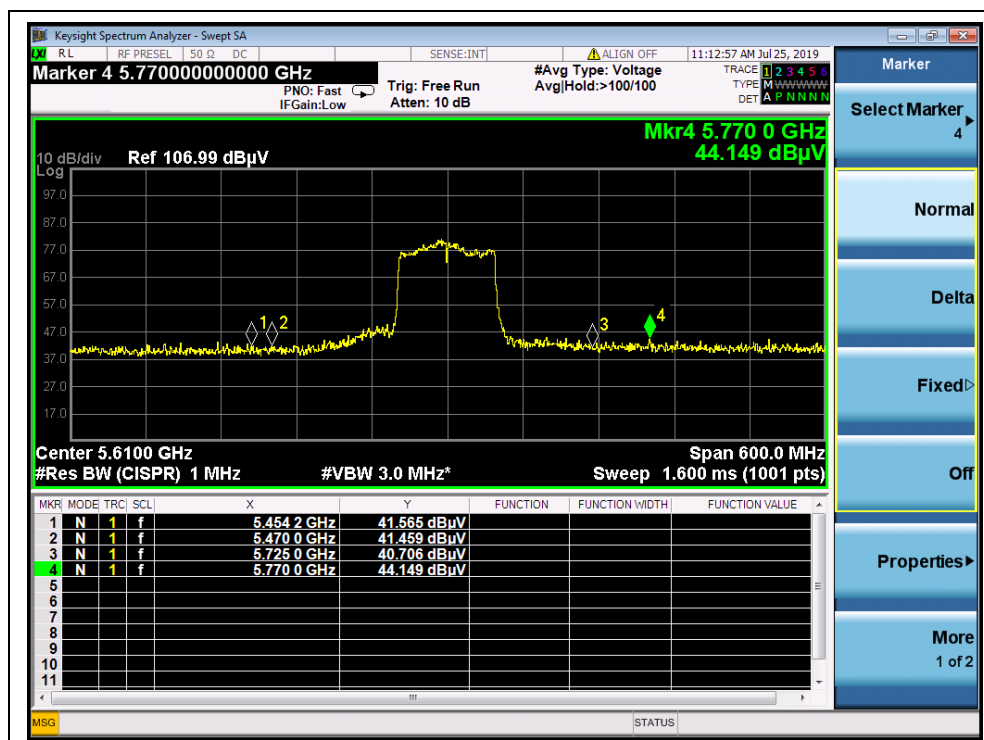
(Channel 106, PEAK, 802.11ac (VHT80))



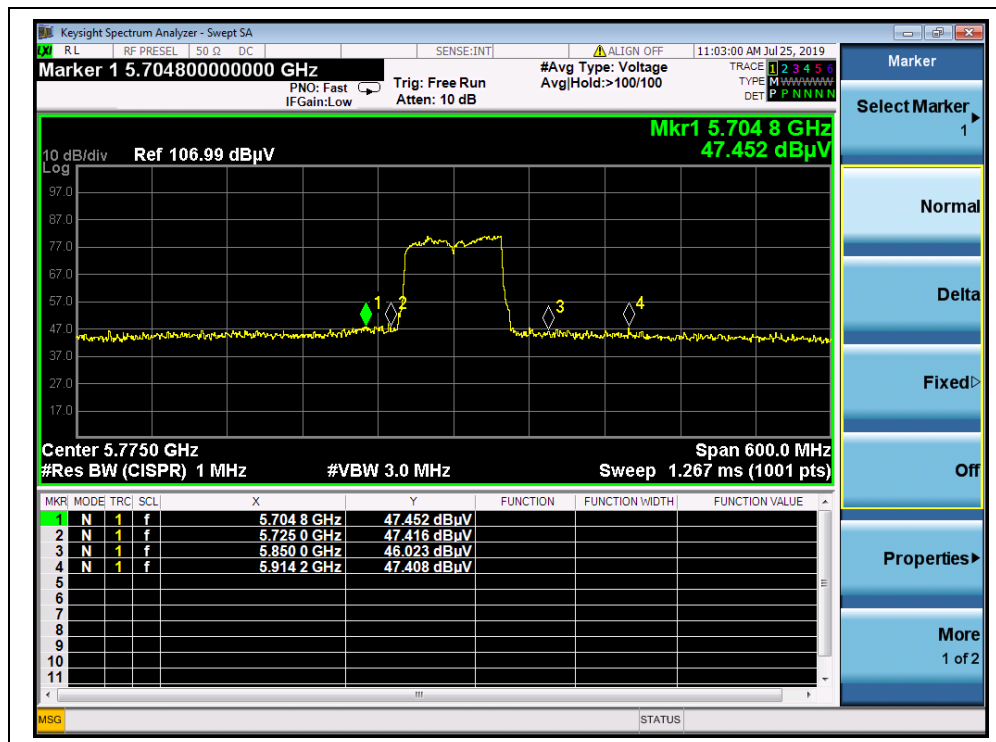
(Channel 106, AVG, 802.11ac (VHT80))



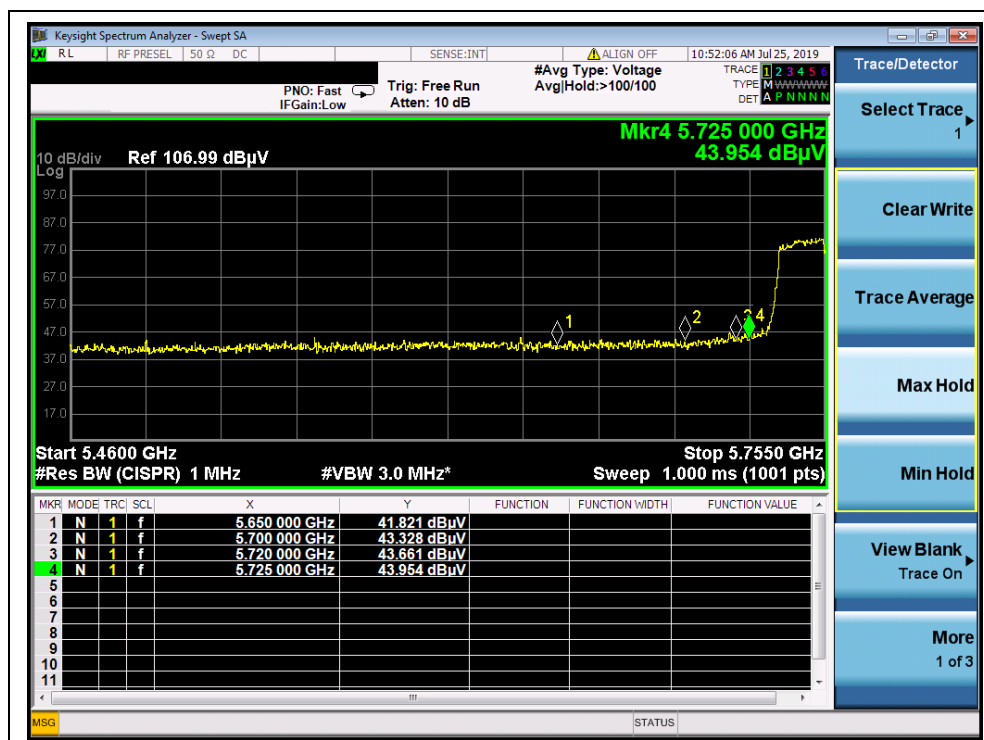
(Channel 138, PEAK, 802.11ac (VHT80))



(Channel 138, AVG, 802.11ac (VHT80))



(Channel 155, PEAK, 802.11ac (VHT80))



(Channel 155, AVG, 802.11ac (VHT80))

2.9. Radiated Emission

2.9.1. Requirement

The peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (3) For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

The following formula is used to convert the equipment isotropic radiated power(eirp) to field strength (dBμV/m);

$$E = 1000000 \times \sqrt{30P} / 3 \mu\text{V/m}$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz = 68.23 dBuV/m

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

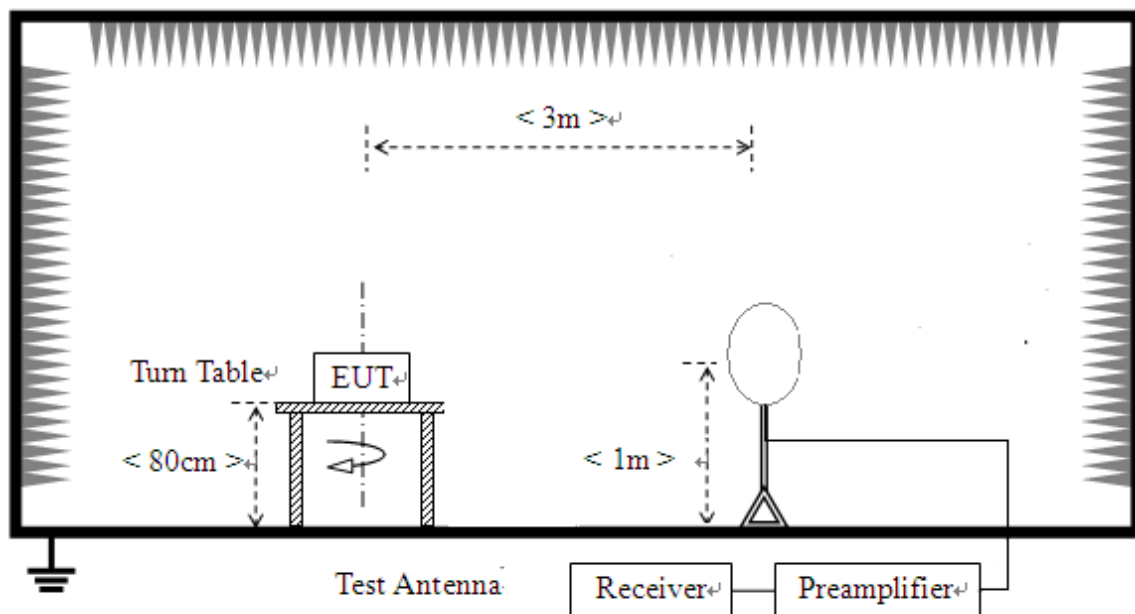
Note:

For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

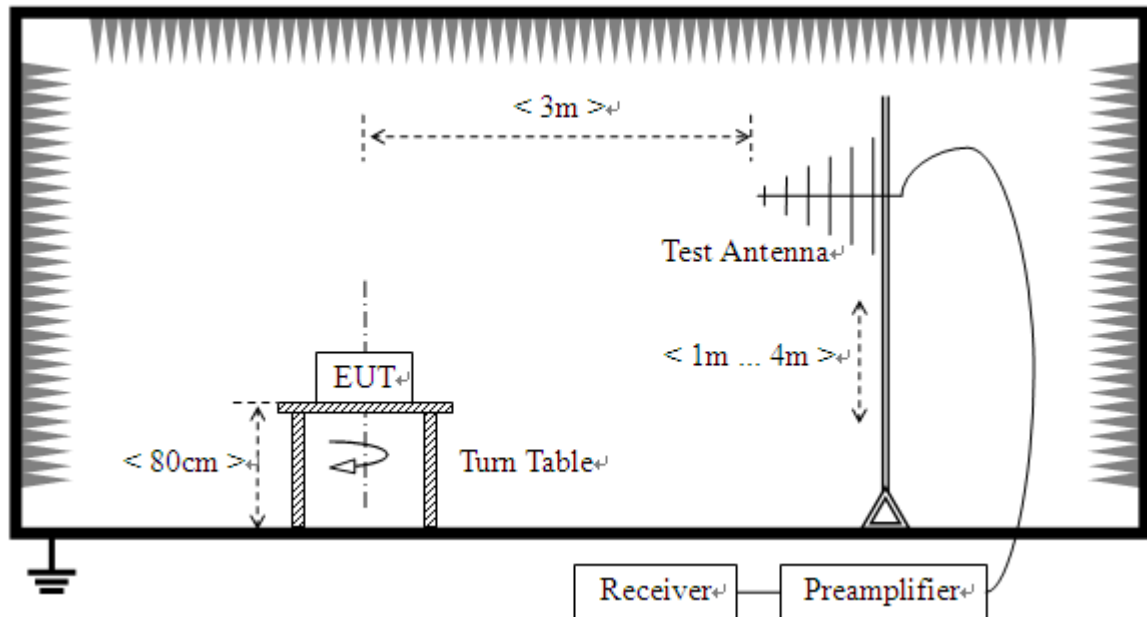
In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table)

2.9.2. Test Description
A. Test Setup:

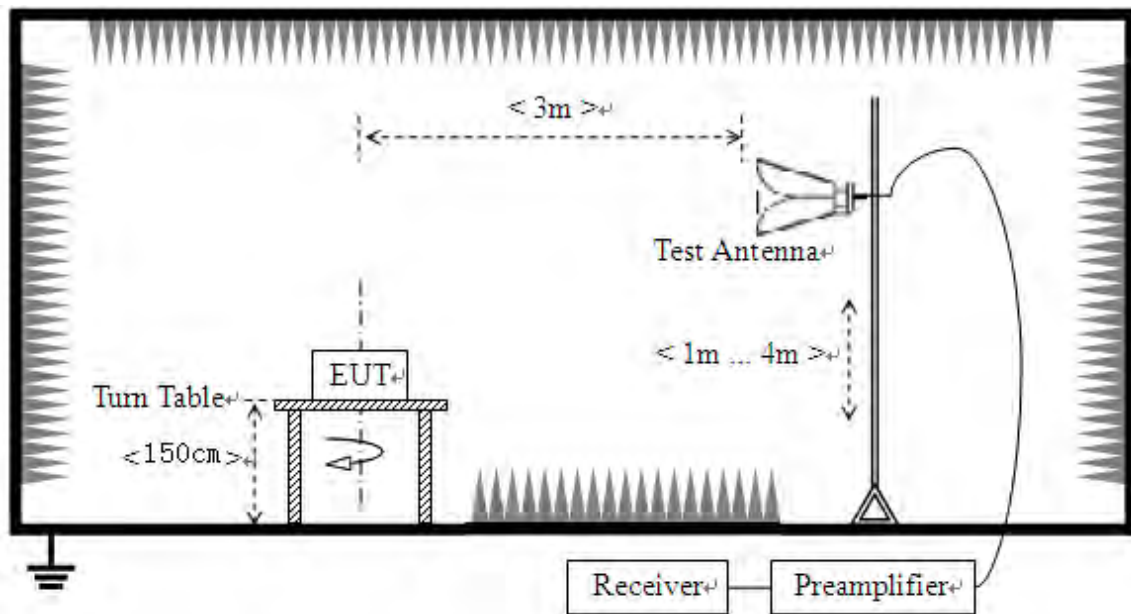
- 1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz



3) For radiated emissions above 1GHz



The RF absorbing material used on the reference ground plane and on the turntable have a maximum height (thickness) of 30 cm (12 in) and have a minimum-rated attenuation of 20 dB at all frequencies from 1 GHz to 18 GHz.

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4dB according to the standards: ANSI C63.10 (2013). For radiated emissions below or equal to 1GHz, The EUT was set-up on insulator 80cm above the Ground Plane, For radiated emissions above 1GHz, The EUT



was set-up on insulator 150cm above the Ground Plane. The set-up and test methods were according to ANSI C63.10

For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading

For the Test Antenna:

(a) In the frequency range of 9kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.

(b) In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Place the test antenna at 3m away from area of the EUT, while keeping the test antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The test antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final test antenna elevation shall be that which maximizes the emissions. The test antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. The emission levels at both horizontal and vertical polarizations should be tested.



2.9.3. Test Result

According to ANSI C63.4 selection 4.2.2, 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 limit, it is unnecessary to perform an quasi-peak measurement.

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.

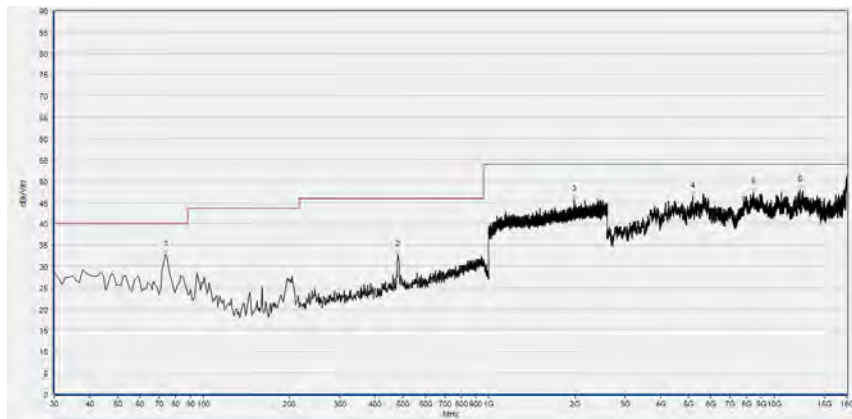
Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note2: For the frequency, which started from 9 kHz 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 25GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

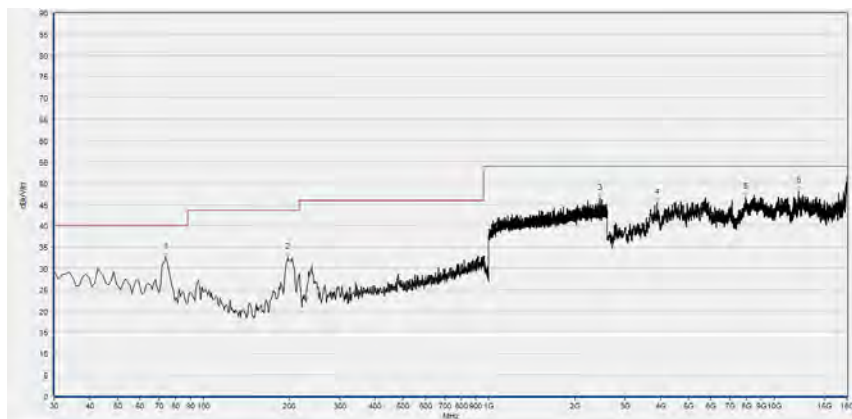
**802.11a Test mode**

Plots for Channel = 36



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	32.67	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
479.560	32.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1996.599	45.56	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5178.476	46.36	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8443.929	47.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12288.538	47.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

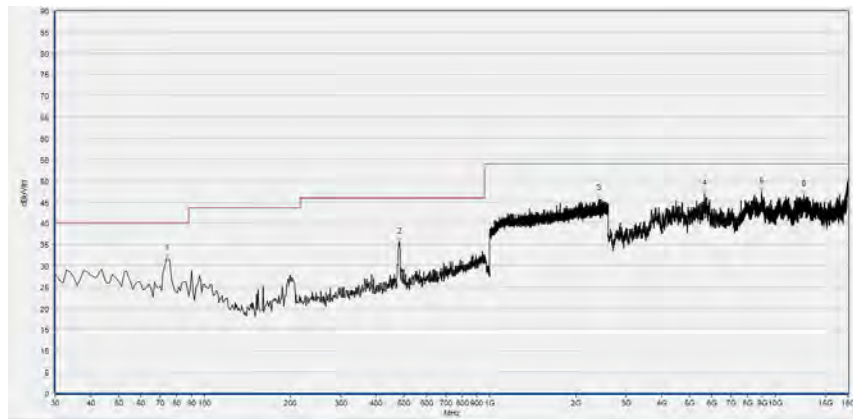
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	32.44	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.978	32.54	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2454.351	46.36	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
3887.698	45.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7947.950	46.78	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12186.877	48.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

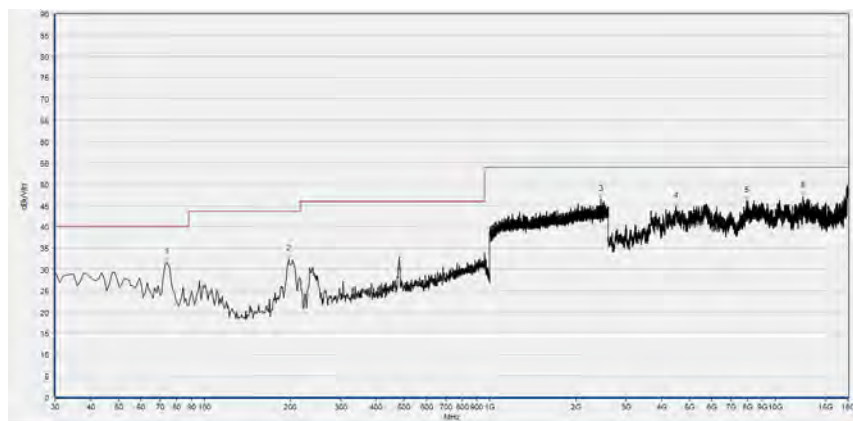
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 44



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	31.60	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
483.443	35.61	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2409.537	45.82	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5659.052	46.99	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8961.472	47.37	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12599.680	46.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

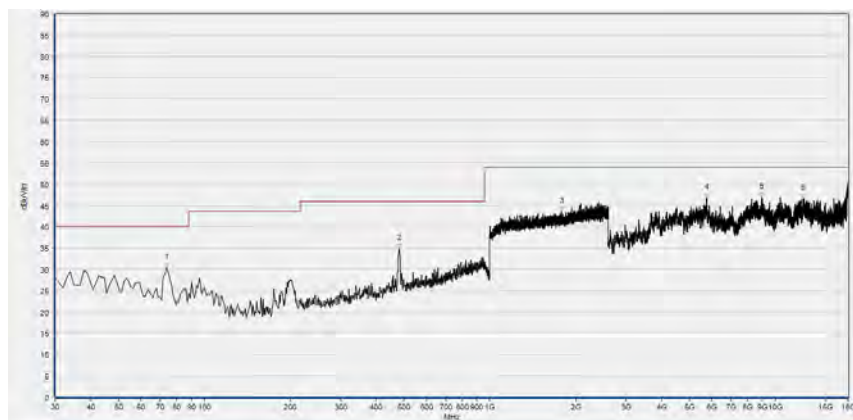


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	31.65	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.007	32.37	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2452.751	46.41	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4491.498	44.74	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
7954.111	46.09	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12522.665	47.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

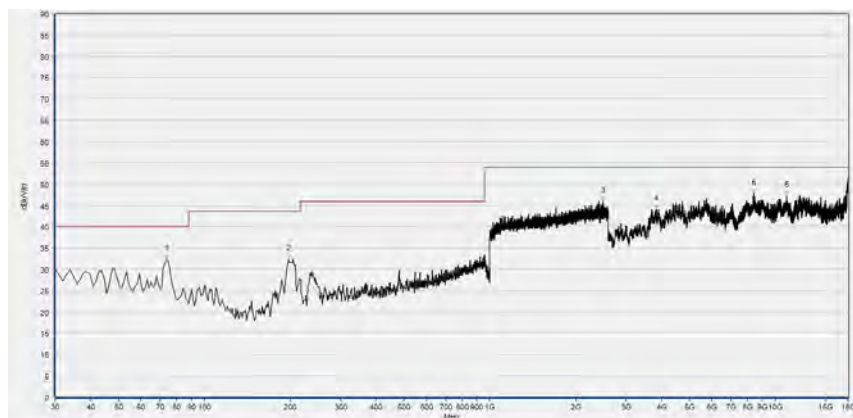


Plot for Channel = 48



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
73.694	30.31	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
481.502	34.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1788.530	43.62	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5736.067	46.74	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8983.037	46.89	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12534.987	46.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

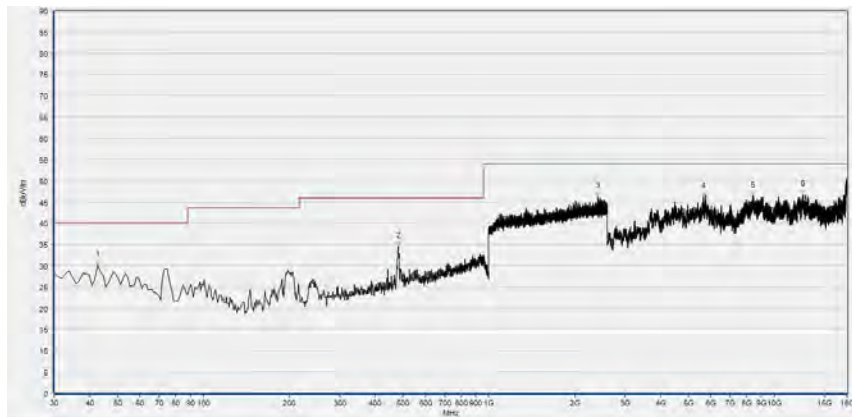
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	32.30	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.007	32.27	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2496.499	45.99	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
3810.682	44.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8410.042	47.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10991.598	47.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

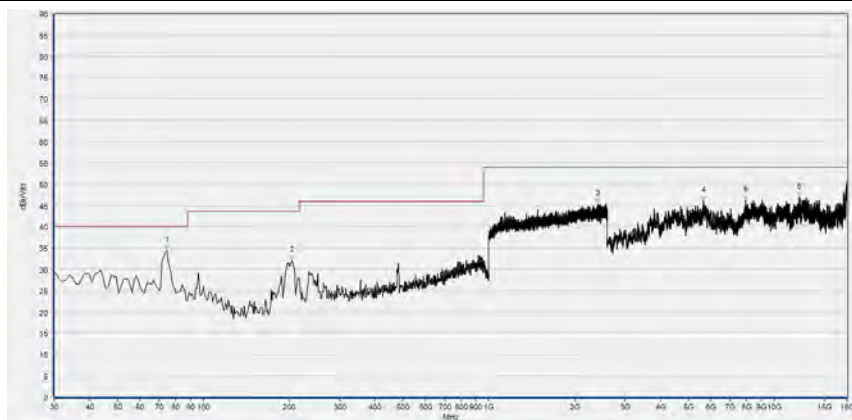
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 52



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
42.623	30.17	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
481.502	34.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2407.402	46.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5659.052	46.22	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8400.800	46.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12599.680	46.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

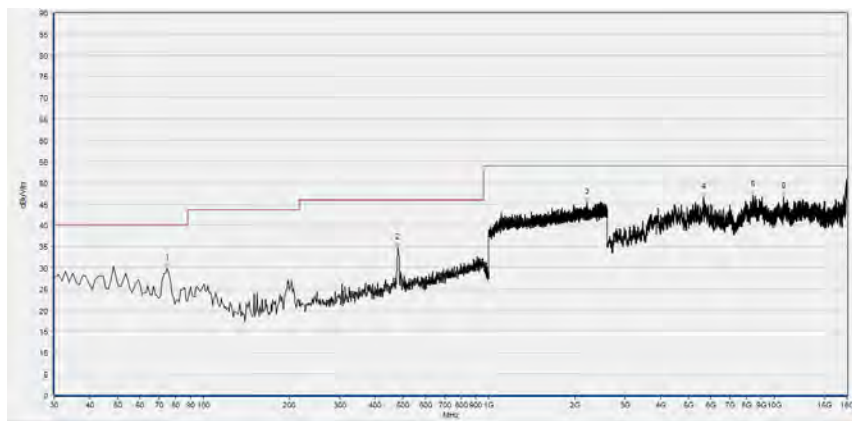
(Antenna Horizontal, 30MHz to 25GHz)



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
74.665	34.37	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
204.775	32.00	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2411.137	45.47	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5643.649	46.01	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
7957.191	46.22	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12202.280	46.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

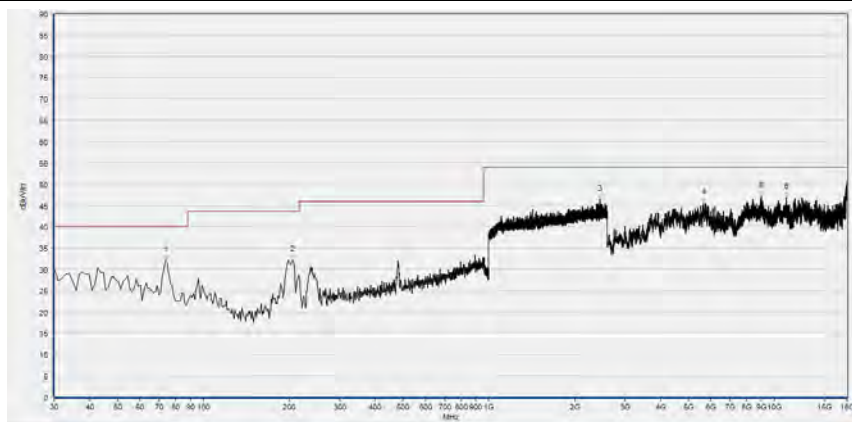
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 60



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
74.665	29.80	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
479.560	34.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2207.336	45.47	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5668.294	46.60	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8434.687	47.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10788.278	46.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

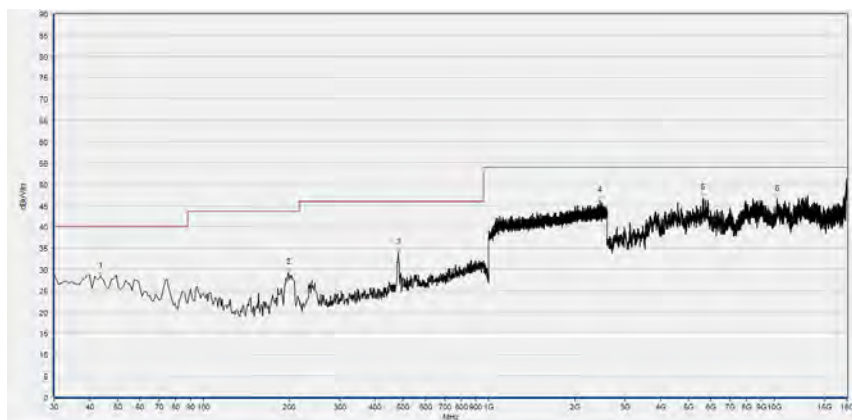


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	32.03	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
205.746	32.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2446.882	46.47	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5646.729	45.55	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
9004.601	47.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11053.211	46.98	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

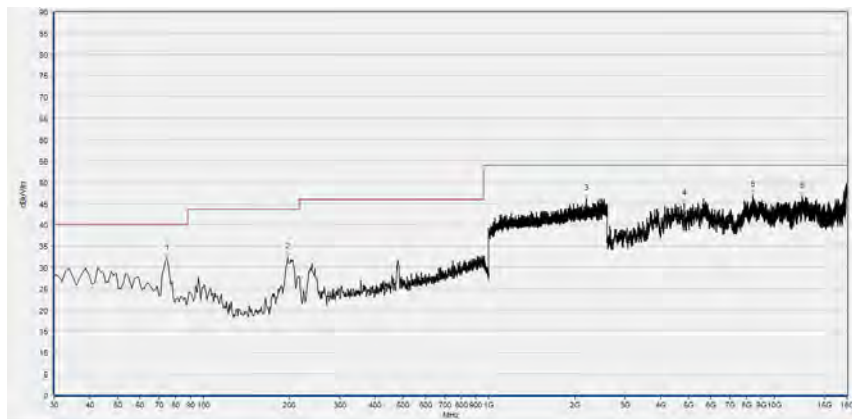


Plot for Channel = 64



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
43.594	28.31	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
198.949	29.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
481.502	33.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2451.684	46.12	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5615.923	46.73	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
10258.412	46.51	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

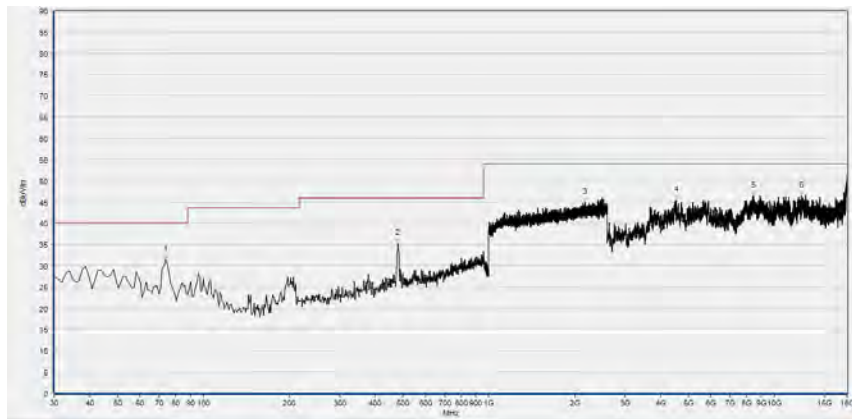
(Antenna Horizontal, 30MHz to 25GHz)



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
74.665	32.03	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.007	32.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2190.263	46.05	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4833.447	44.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8425.445	46.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12498.020	46.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

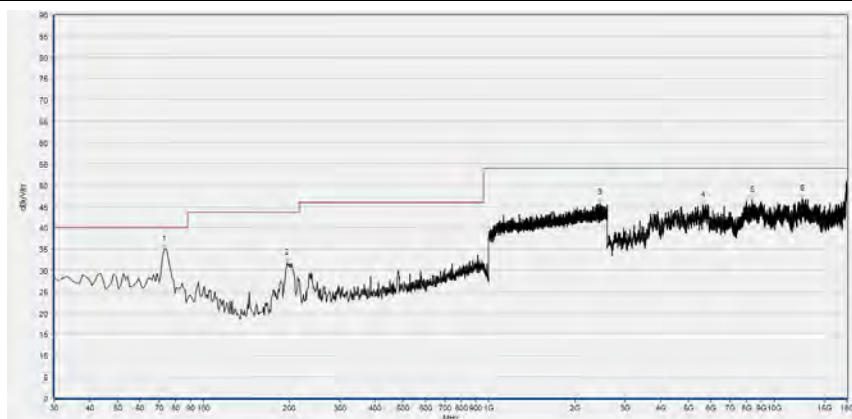
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 100



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	31.32	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
479.560	35.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2169.456	44.96	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4528.466	45.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8450.090	46.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12476.455	46.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

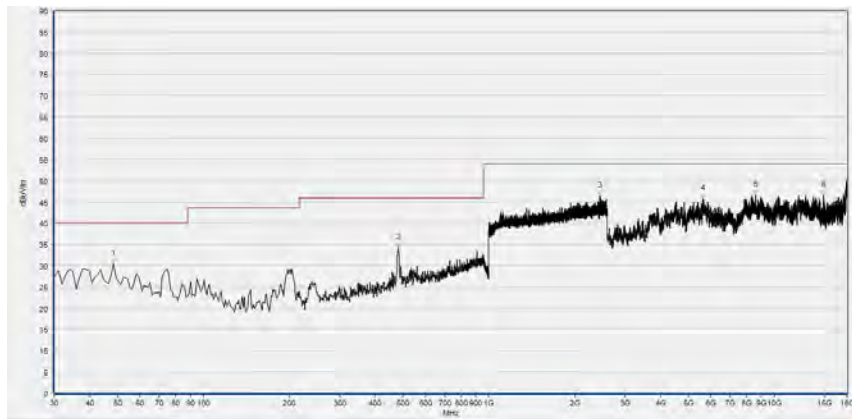
(Antenna Horizontal, 30MHz to 25GHz)



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
72.723	34.85	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
196.036	31.73	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2452.217	45.74	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5619.004	45.31	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8354.591	46.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12519.584	46.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

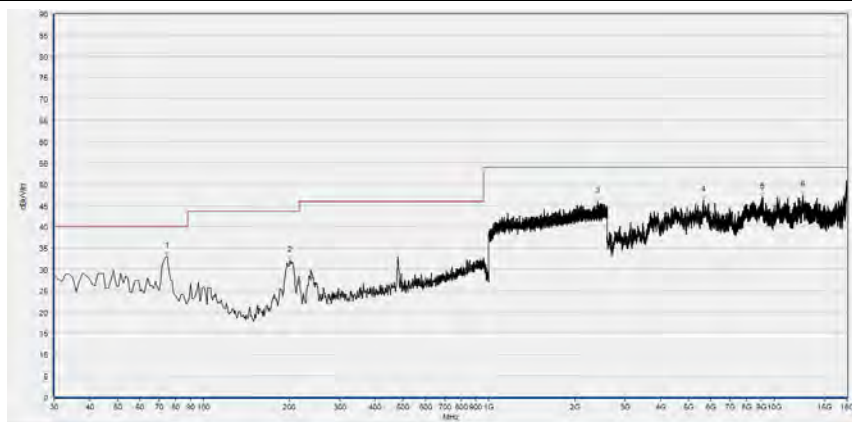
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 120



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
48.448	30.52	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
481.502	34.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.016	46.37	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5625.165	45.81	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8588.718	46.51	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
14857.772	46.55	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

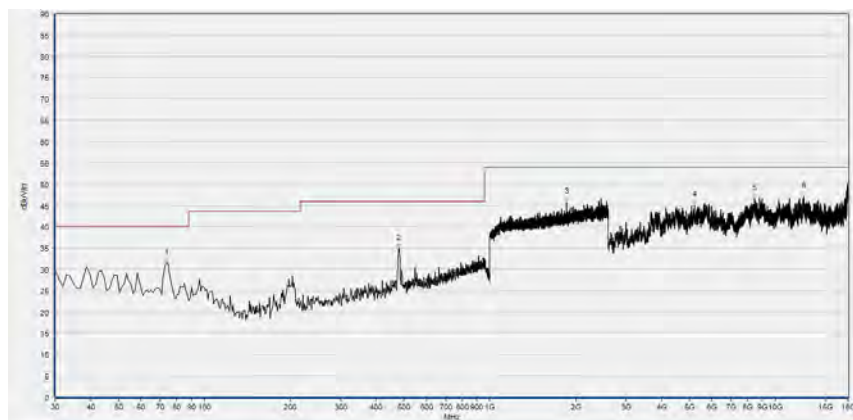


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
74.665	32.99	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
200.891	32.00	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2413.805	46.00	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5659.052	46.25	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
9044.649	47.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12578.116	47.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

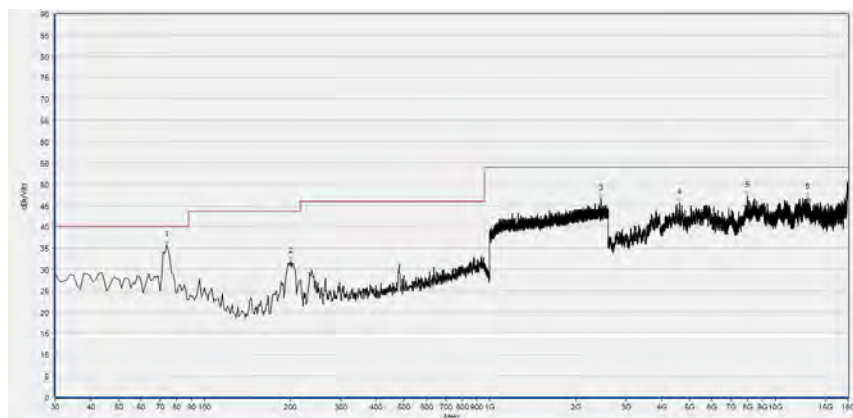


Plot for Channel = 144



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	31.36	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
480.531	34.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1858.953	45.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5215.443	45.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8443.929	46.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12599.680	47.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

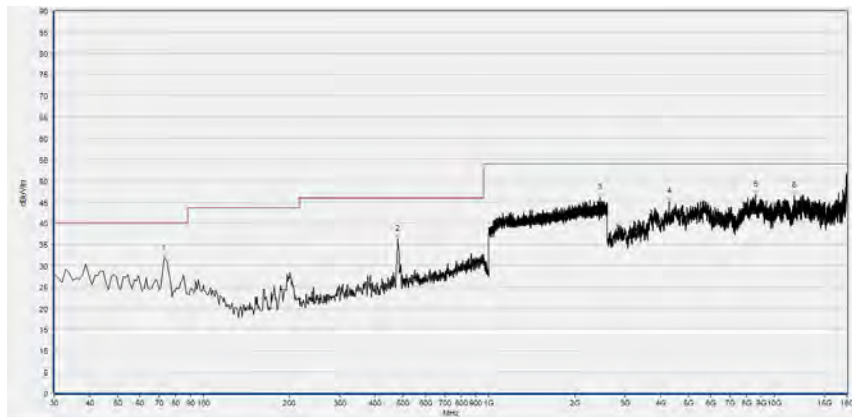
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	35.66	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
200.891	31.78	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2453.818	46.51	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4608.562	45.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7981.836	47.33	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12960.112	46.85	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

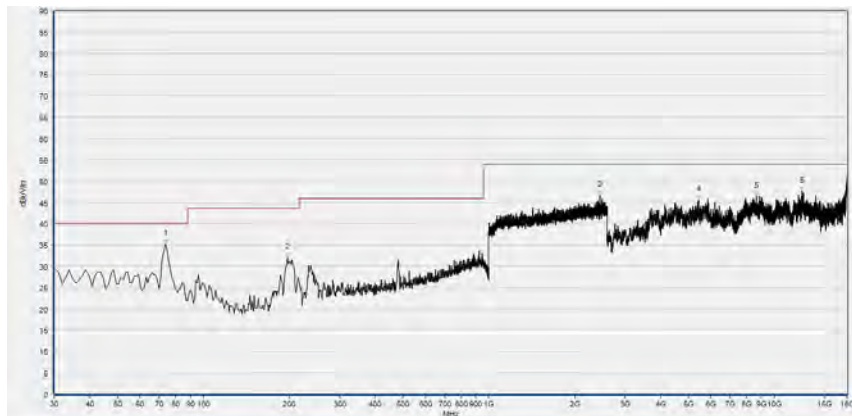
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 149



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
72.723	31.72	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
479.560	36.16	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2453.284	45.92	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4275.855	45.08	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8601.040	46.64	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
11727.866	46.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

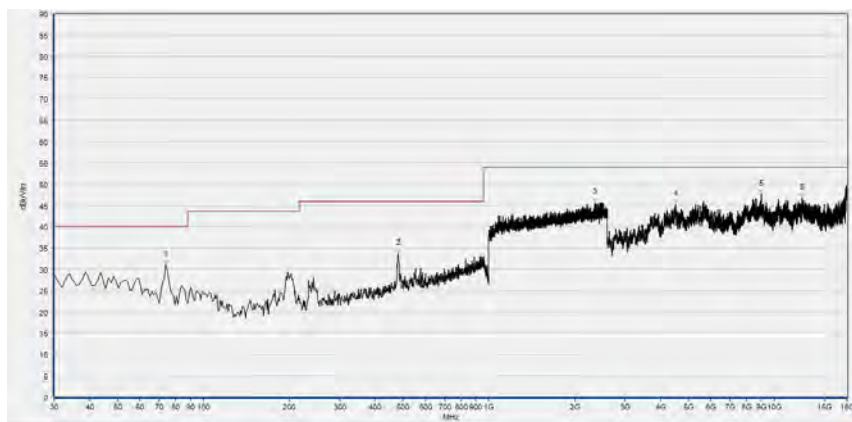
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	35.21	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.007	32.08	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2453.818	46.83	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5437.247	45.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8638.008	46.47	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12534.987	47.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

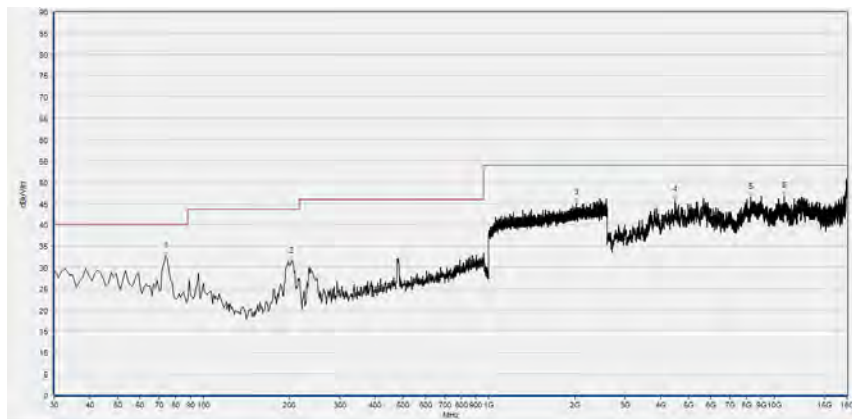
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 157



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	31.00	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
481.502	33.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2354.585	45.63	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4522.304	45.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8998.440	47.54	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12504.181	46.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

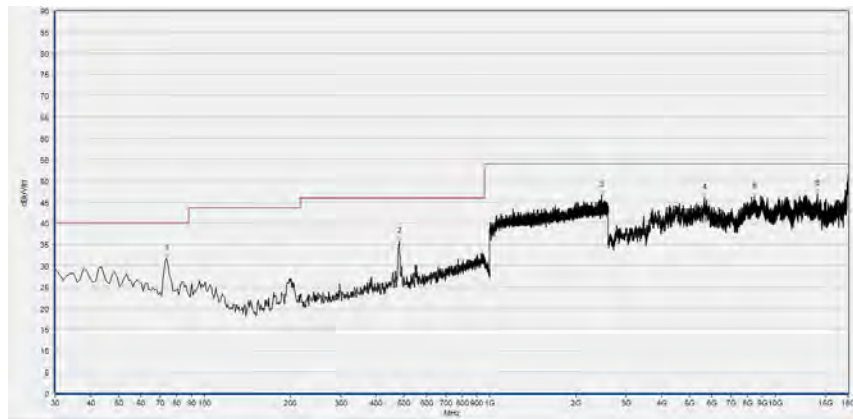
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	32.57	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
203.804	31.31	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2030.744	45.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4491.498	45.82	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8256.011	46.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10849.890	46.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

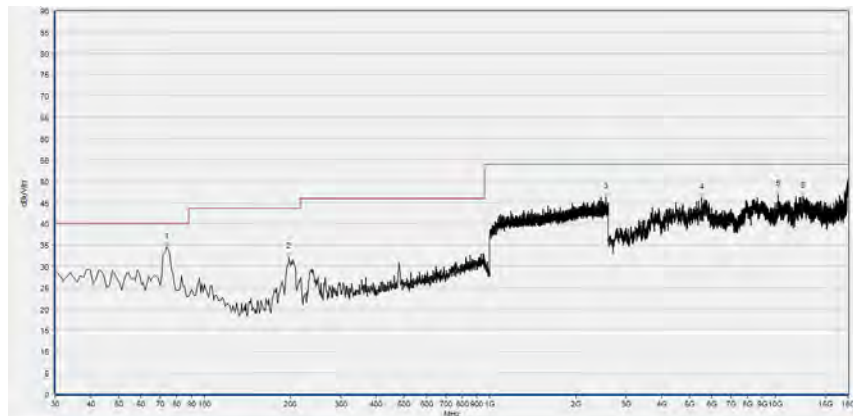
(Antenna Vertical, 30MHz to 25GHz)

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
73.694	31.76	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
482.472	35.63	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2460.754	46.63	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5646.729	45.87	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8437.768	46.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14010.602	47.00	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

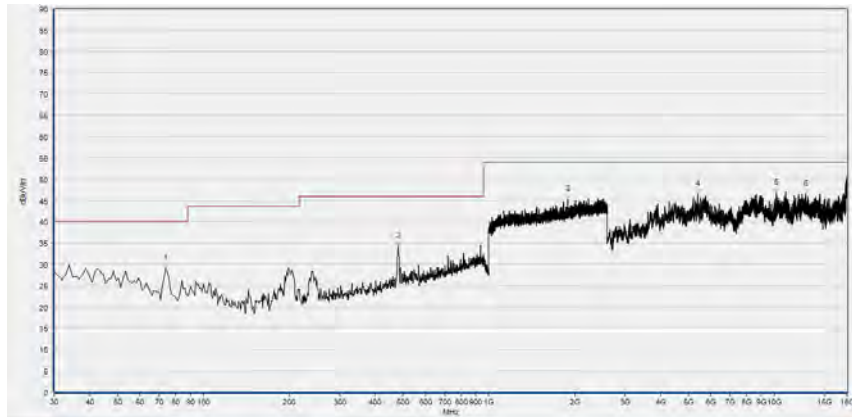


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	34.47	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.978	32.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2548.783	46.26	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5514.263	46.13	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
10209.122	46.92	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12553.471	46.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

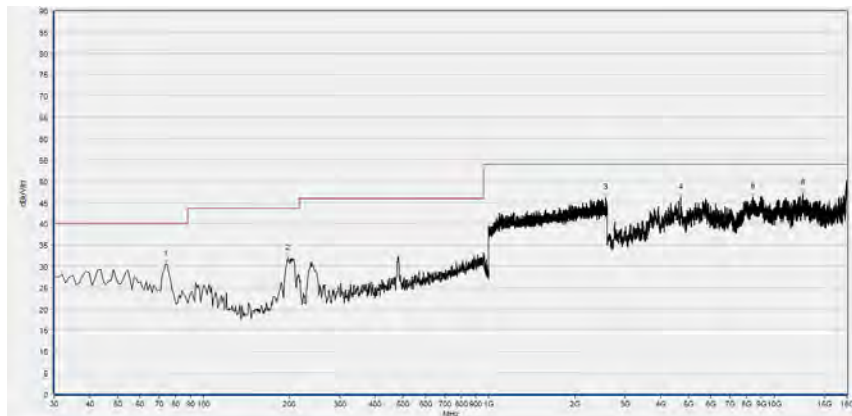
**802.11n (HT20) Test mode**

Plots for Channel = 36



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	29.02	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
482.472	34.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1888.830	45.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5400.280	46.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10193.719	46.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12913.903	46.44	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

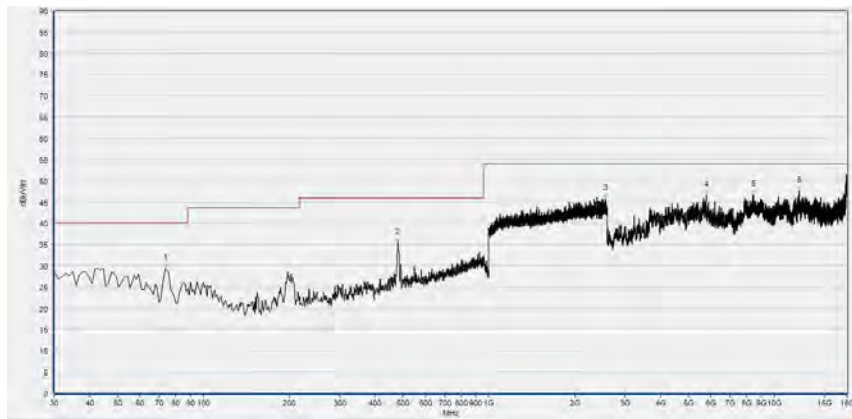
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	30.56	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.978	31.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2561.587	46.04	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4688.658	46.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8406.961	46.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12618.164	47.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

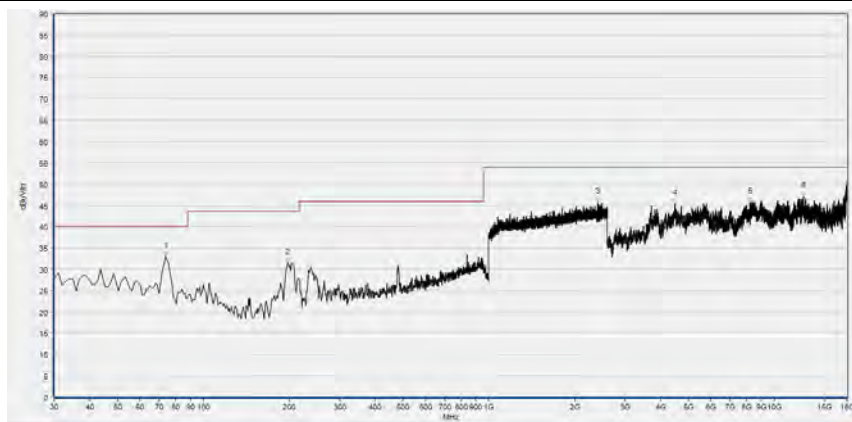
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 44



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	29.41	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
480.531	35.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2572.791	45.82	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5769.954	46.57	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8465.493	46.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12205.361	47.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

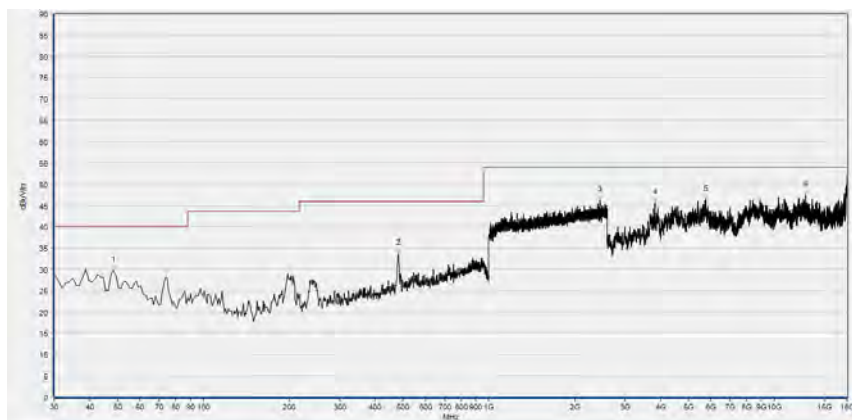


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	32.94	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.007	31.52	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2406.869	45.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4500.740	45.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8197.479	45.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12682.857	47.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

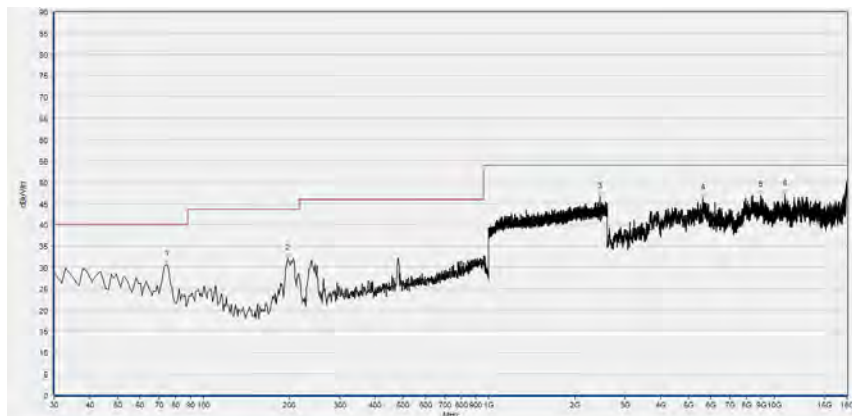


Plot for Channel = 48



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
48.448	29.63	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
481.502	33.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2456.485	46.25	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
3816.843	45.60	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5742.228	46.41	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12876.935	47.45	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

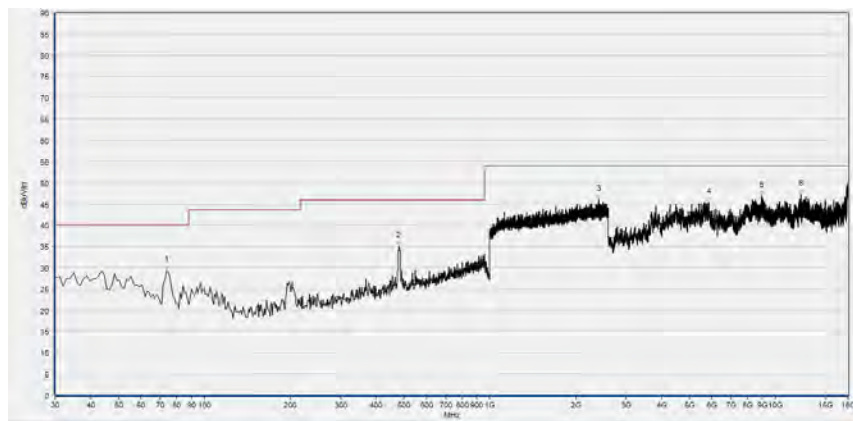
(Antenna Horizontal, 30MHz to 25GHz)



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
74.665	30.72	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.978	32.06	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2449.550	46.59	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5619.004	46.25	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8976.875	46.90	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
10914.583	47.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

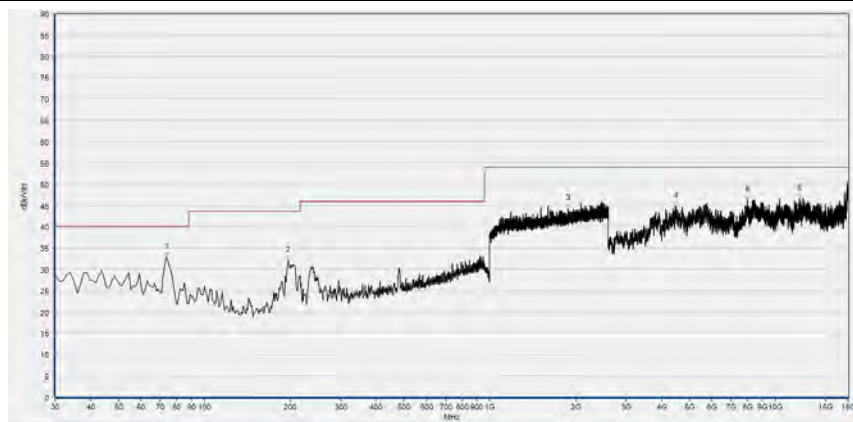
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 52



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	29.33	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
479.560	35.07	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2414.338	46.10	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5859.292	45.45	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8967.634	46.93	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12285.457	47.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

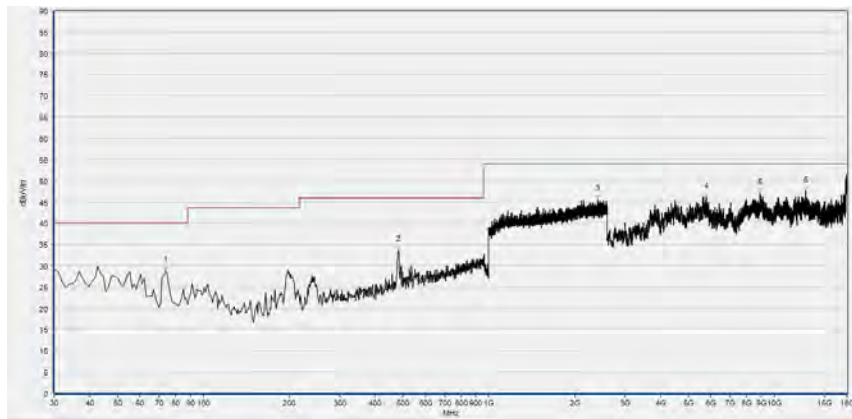
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	32.84	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
196.036	32.00	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1881.894	44.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4488.418	44.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7987.998	46.27	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12143.749	46.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

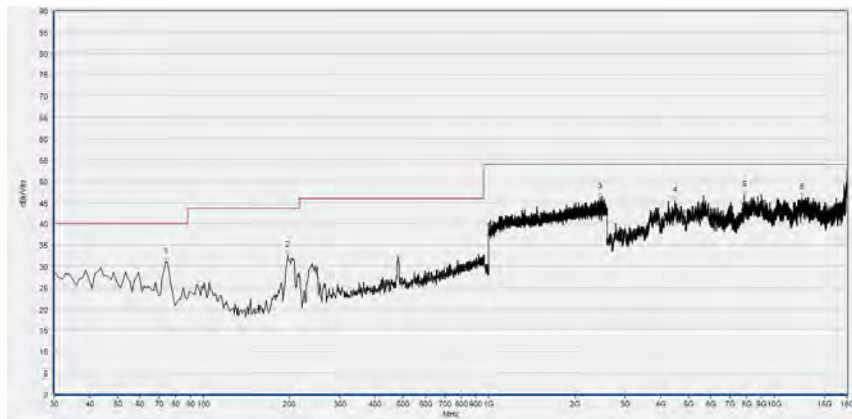
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 60



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	28.80	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
481.502	33.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2408.469	45.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5773.035	46.22	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8915.263	47.03	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12910.822	47.53	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

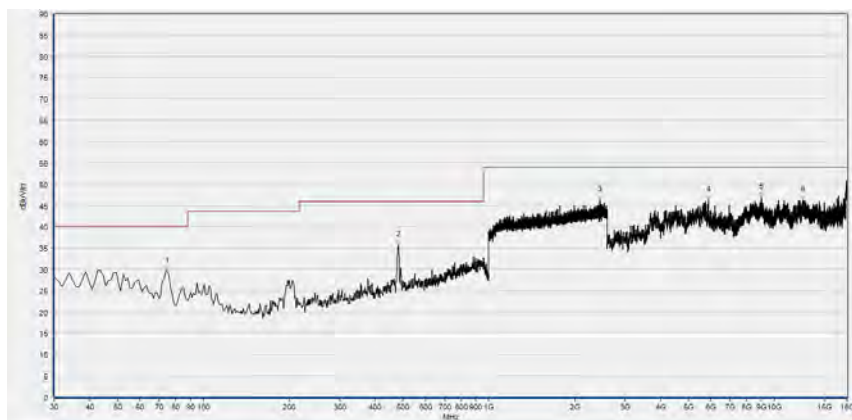


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	31.01	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.007	32.58	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2450.083	46.33	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4485.337	45.46	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
7867.854	46.72	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12513.423	46.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

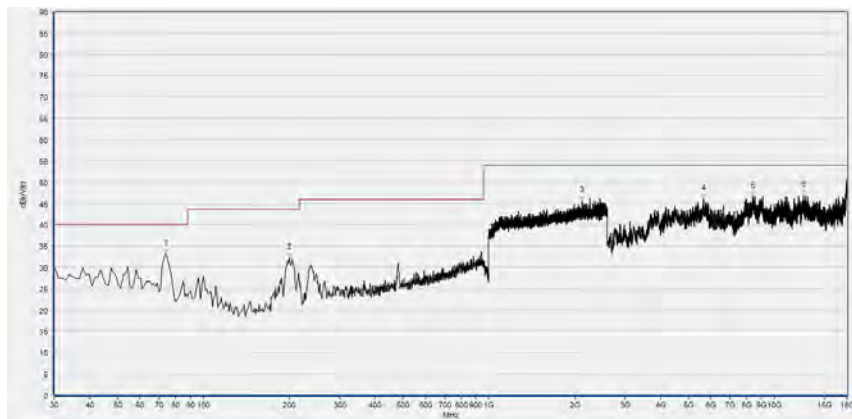


Plot for Channel = 64



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
74.665	29.42	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
482.472	35.72	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.016	46.26	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5868.534	46.28	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
9016.923	46.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12596.599	46.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

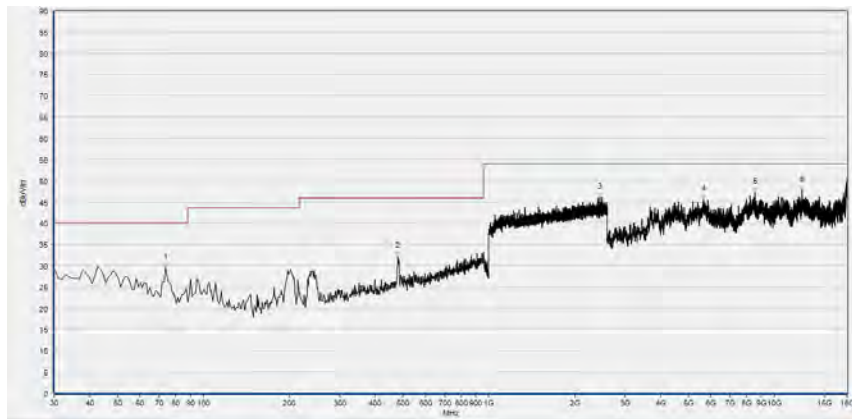
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	33.12	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
199.920	32.19	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2121.974	45.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5652.891	46.15	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8413.123	46.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12692.098	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

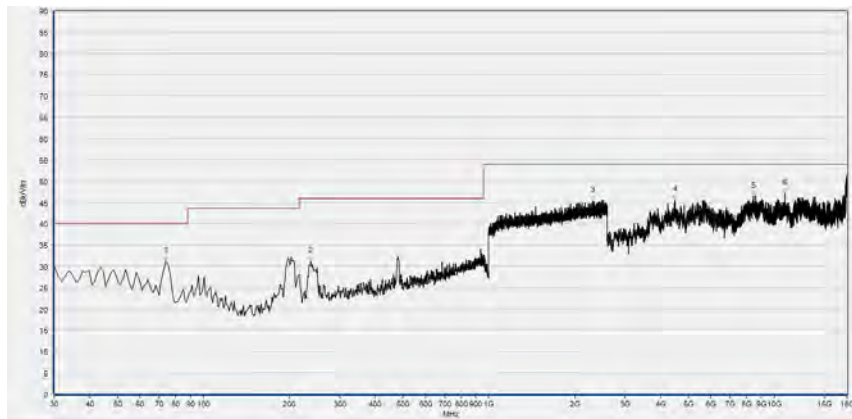
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 100



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	29.58	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
479.560	32.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.016	46.03	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5646.729	45.58	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8564.073	47.32	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12525.745	47.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

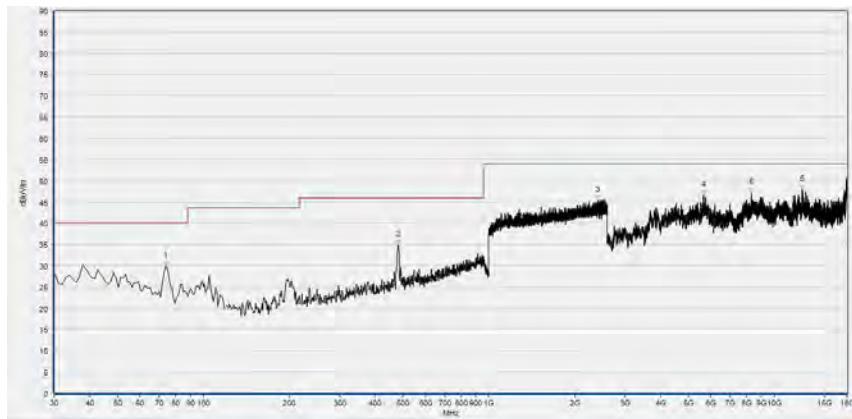
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	31.20	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
237.788	31.24	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2311.904	45.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4482.256	45.56	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8447.009	46.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10889.938	47.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

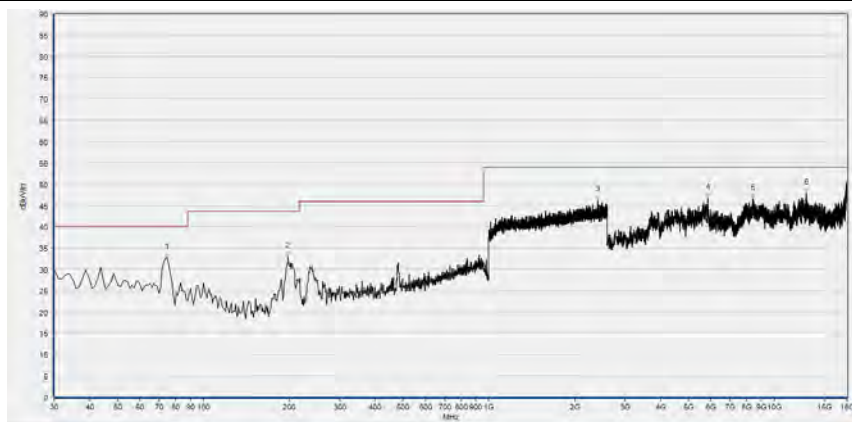
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 120



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	29.83	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
482.472	34.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2409.537	45.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5655.971	46.56	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8308.382	47.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12525.745	47.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

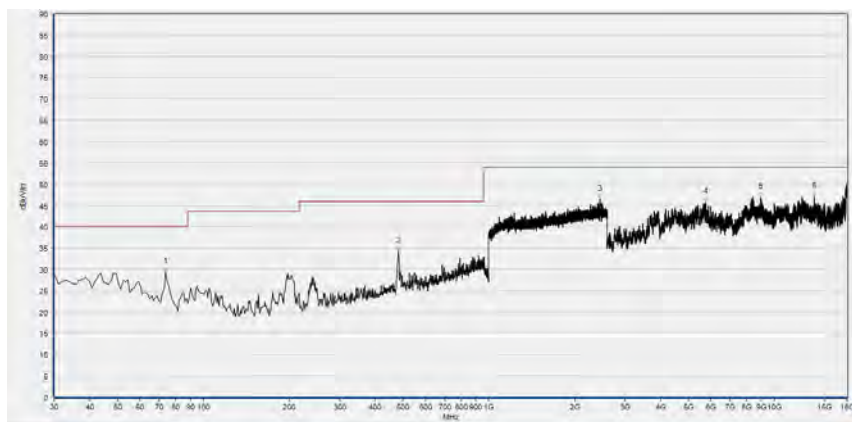
(Antenna Horizontal, 30MHz to 25GHz)



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
74.665	32.64	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.978	33.08	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2410.604	46.32	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5856.211	46.81	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8410.042	46.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12926.225	48.02	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

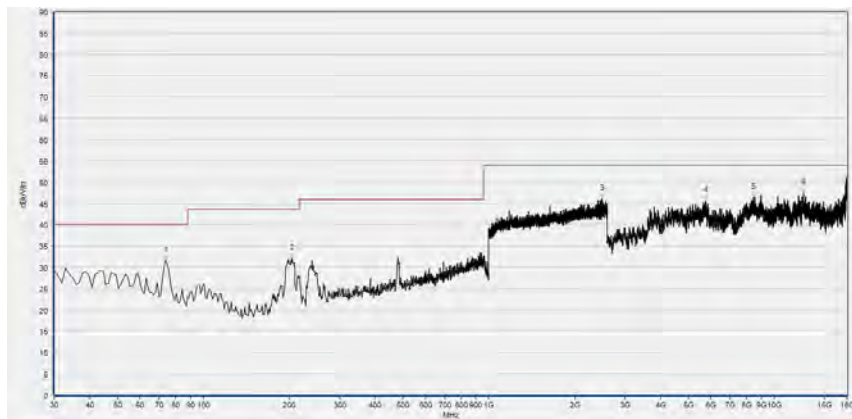
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 144



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	29.41	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
483.443	34.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2447.949	46.36	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5766.873	45.70	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8970.714	46.92	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
13825.765	47.16	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

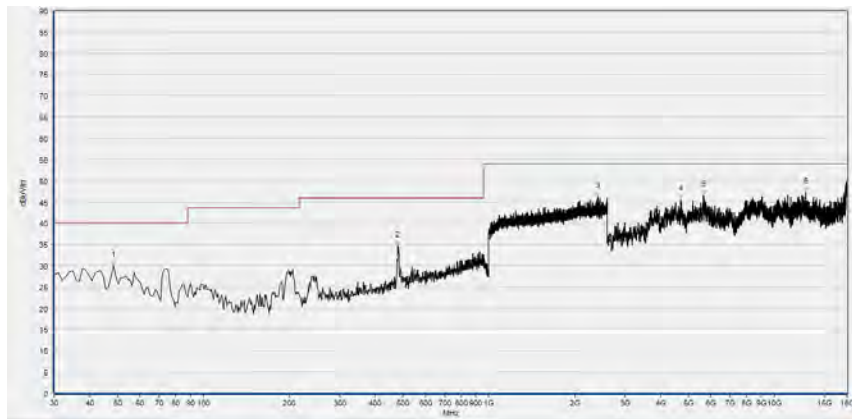
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	31.55	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
204.775	31.96	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2489.030	46.11	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5745.309	45.62	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8450.090	46.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12676.695	47.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

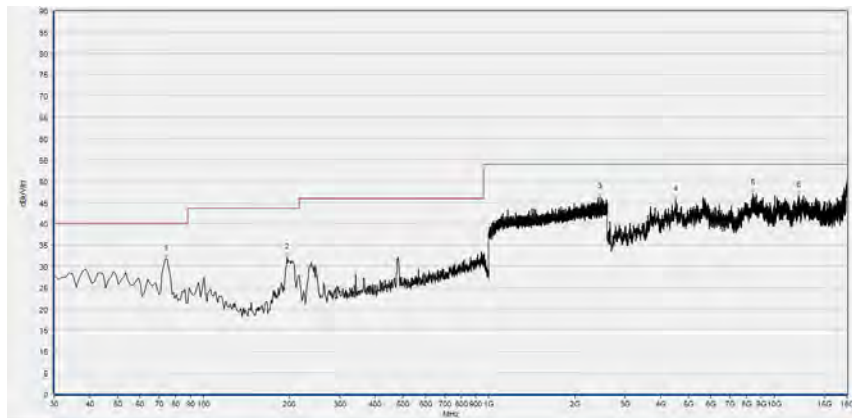
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 149



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
48.448	29.93	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
479.560	34.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2412.204	46.23	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4704.061	45.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5668.294	46.64	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12901.580	47.27	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

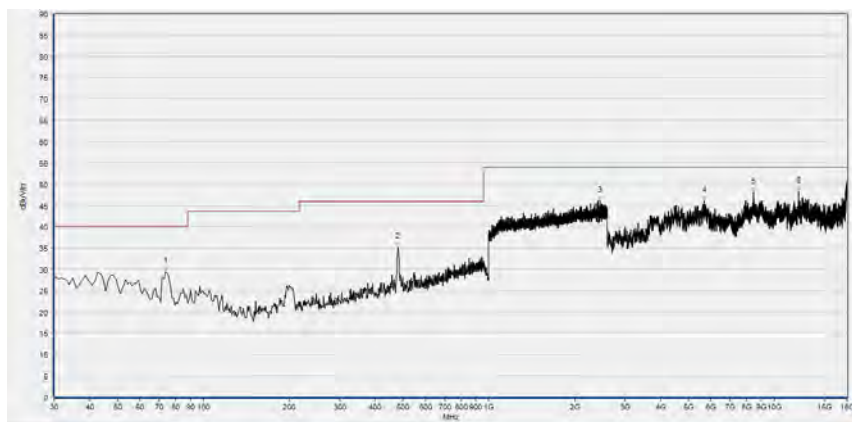
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	31.76	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
196.036	32.08	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2455.418	46.28	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4516.143	45.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8403.881	47.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12146.829	46.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

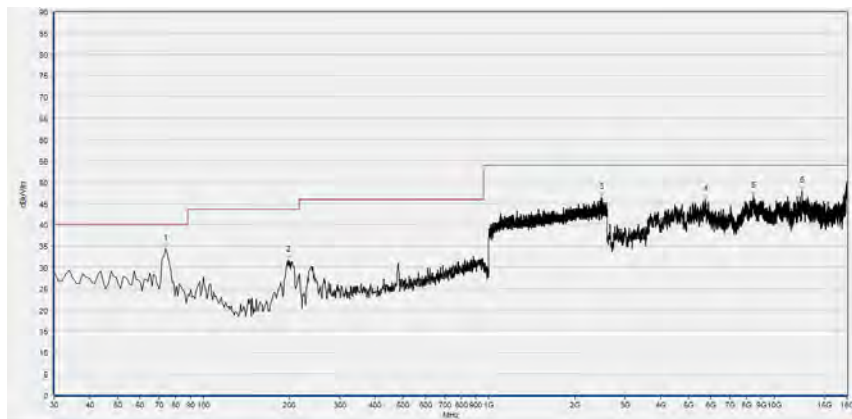
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 157



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	29.54	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
480.531	35.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.550	46.05	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5683.697	46.10	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8450.090	48.15	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12165.313	48.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

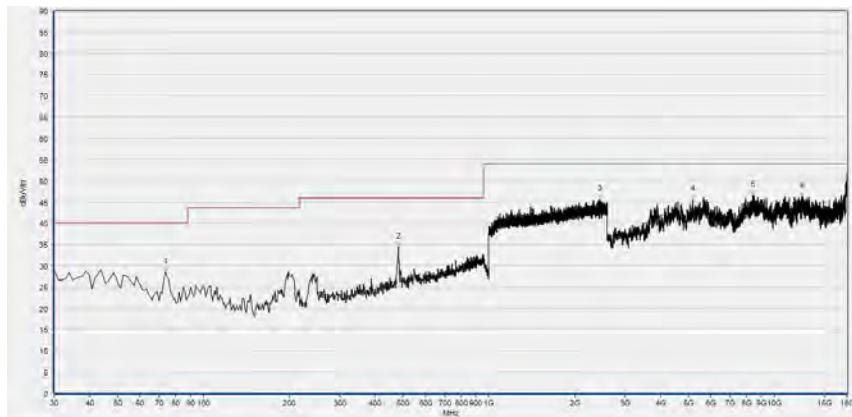
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	34.34	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
198.949	31.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2484.228	46.50	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5757.632	45.95	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8450.090	46.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12522.665	47.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

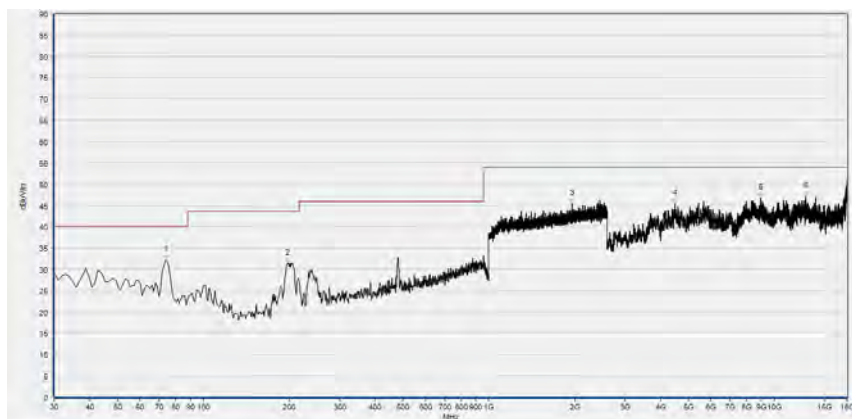
(Antenna Vertical, 30MHz to 25GHz)

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
73.694	28.42	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
482.472	34.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2457.553	45.54	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5172.314	45.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8422.364	46.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12485.697	46.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

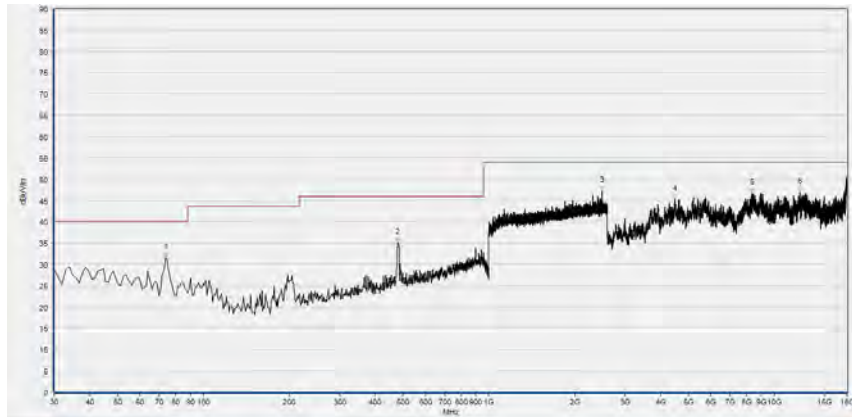


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	32.25	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.978	31.35	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1956.586	45.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4500.740	45.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8961.472	46.73	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12876.935	47.17	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

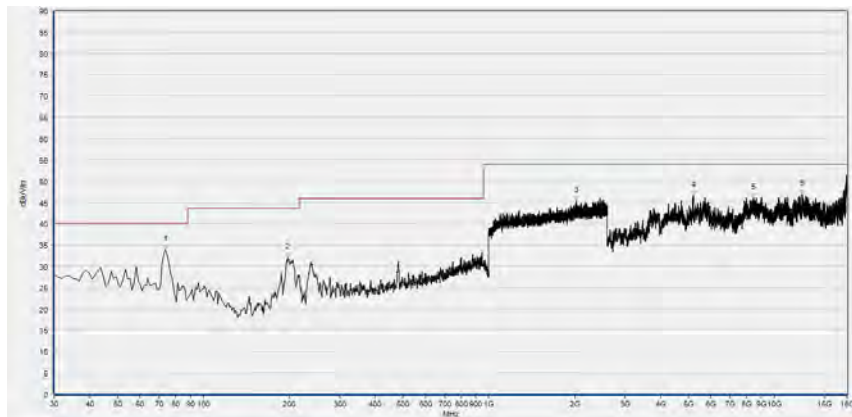
**802.11n (HT40) Test mode**

Plots for Channel = 38



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
73.694	31.45	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
479.560	35.07	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2491.164	47.18	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4479.176	45.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8342.268	46.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12310.102	46.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

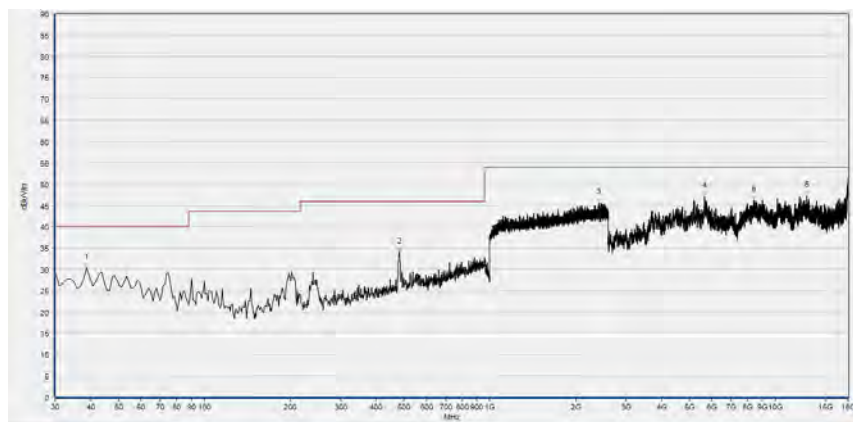
(Antenna Horizontal, 30MHz to 25GHz)



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
73.694	33.79	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.978	32.03	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2025.942	45.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5203.121	46.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8453.171	46.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12507.261	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

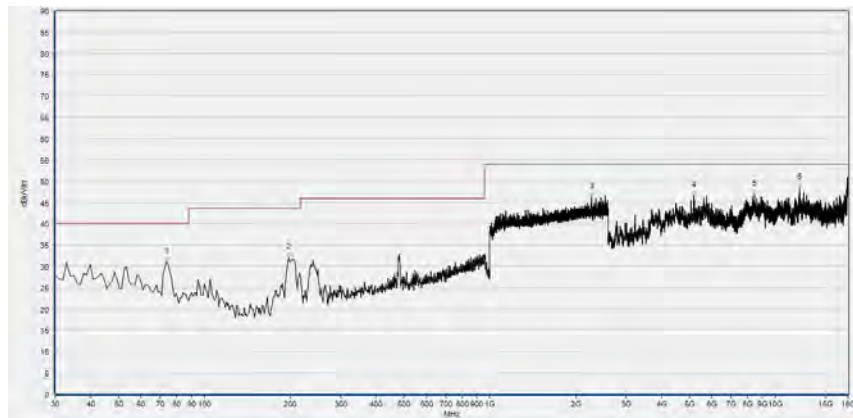
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 46



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
38.739	30.40	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
482.472	33.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2407.936	45.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5649.810	47.02	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8410.042	46.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12920.064	47.25	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
73.694	31.02	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
197.978	31.95	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2269.757	46.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5193.879	46.63	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8447.009	46.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12162.232	48.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)