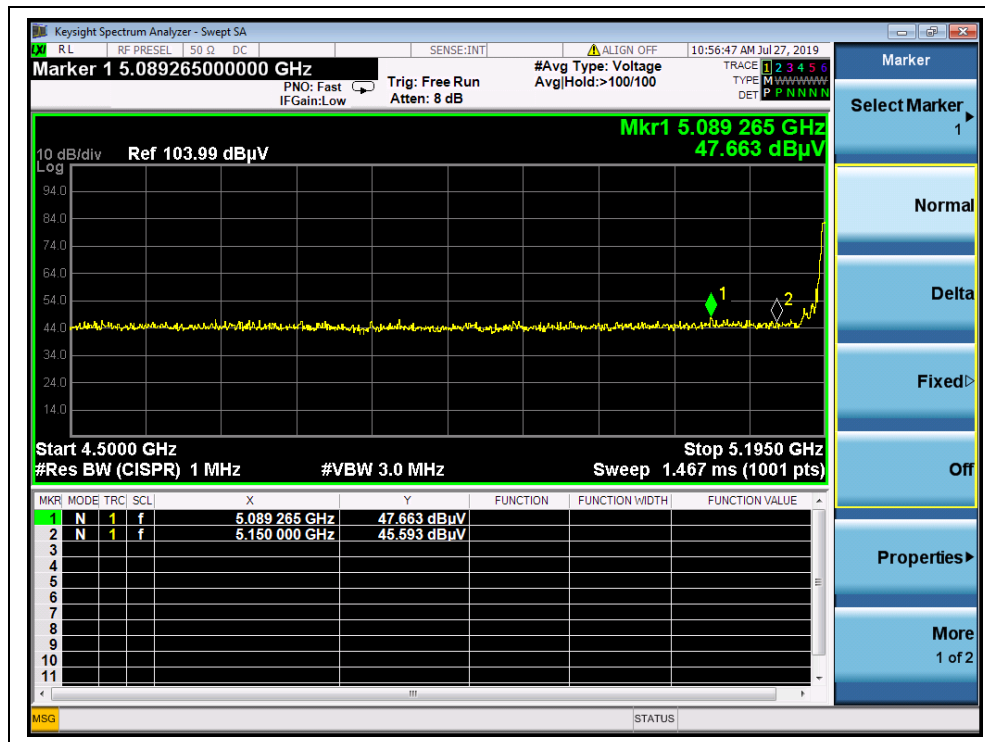


**802.11n (HT40) Test mode****A. Test Verdict:**

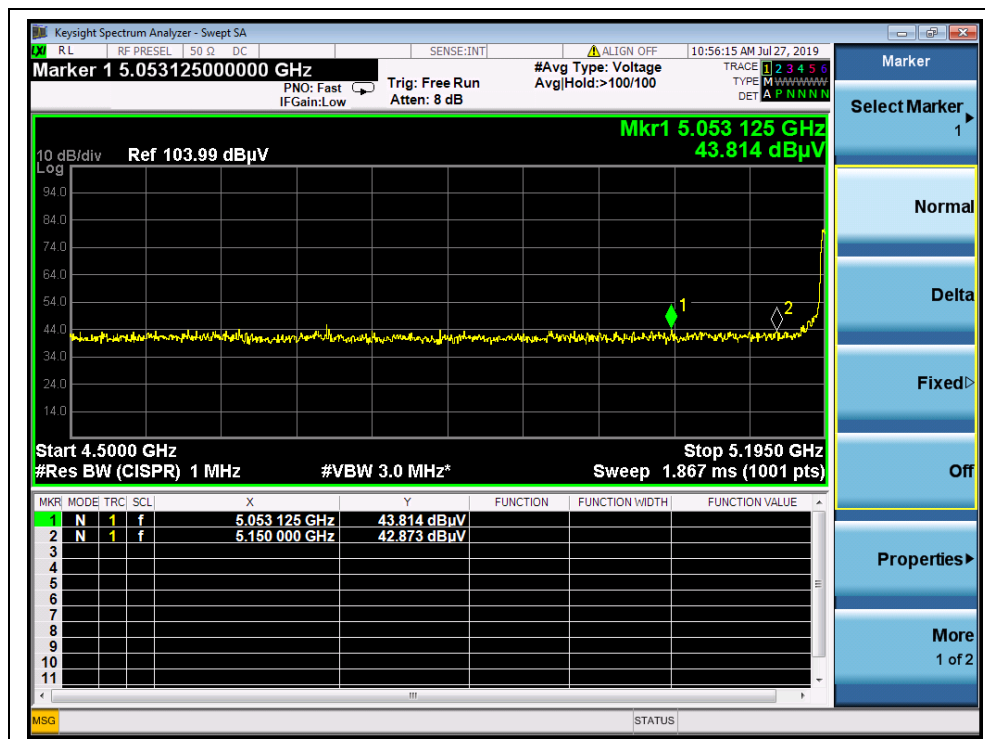
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBuV/m)	Limit (dBuV/m)	Verdict
		PK/ AV						
38	5089.27	PK	47.66	-26.92	32.20	52.94	74	PASS
38	5053.14	AV	43.81	-26.92	32.20	49.09	54	PASS
62	5359.15	PK	43.85	-26.80	32.20	49.25	74	PASS
62	5368.15	AV	42.46	-26.80	32.20	47.86	54	PASS
102	5242.43	PK	47.42	-26.64	32.20	52.98	68.23	PASS
102	5303.12	AV	43.27	-26.64	32.20	48.83	54	PASS
142	5753.69	PK	46.35	-26.64	32.20	51.91	68.23	PASS
142	5772.50	AV	43.49	-26.64	32.20	49.05	54	PASS
151	5720.00	PK	44.46	-26.23	32.20	50.43	110.83	PASS
151	5700.00	AV	44.06	-26.23	32.20	50.03	54	PASS
159	5925.00	PK	43.38	-26.23	32.20	49.35	68.23	PASS
159	5925.00	AV	42.47	-26.23	32.20	48.44	54	PASS



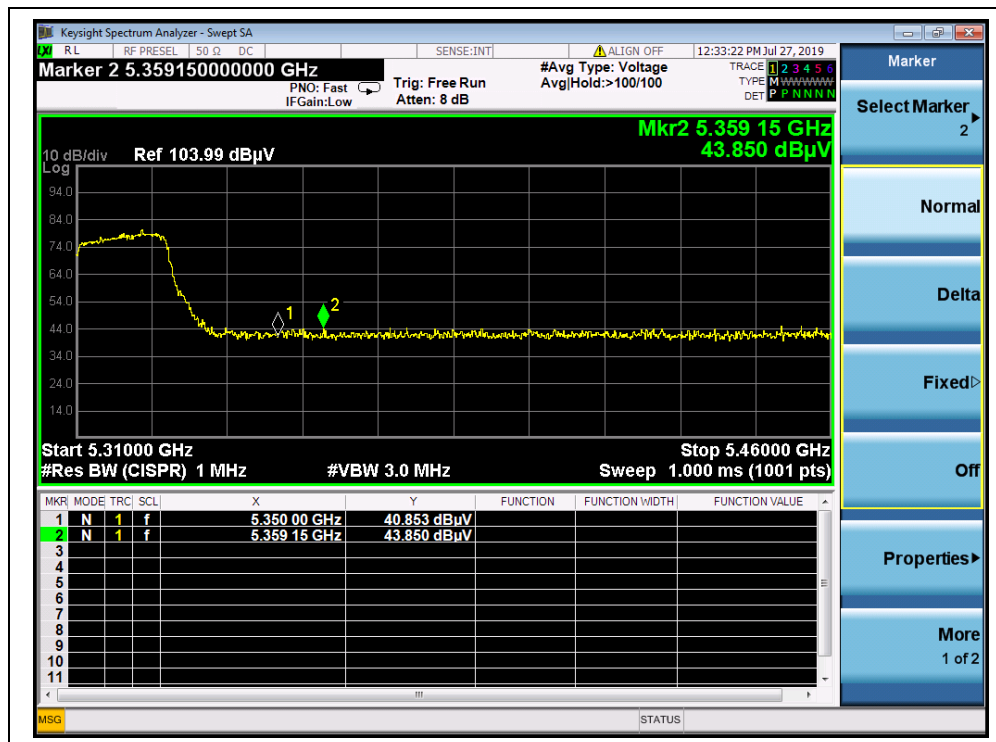
B. Test Plots:



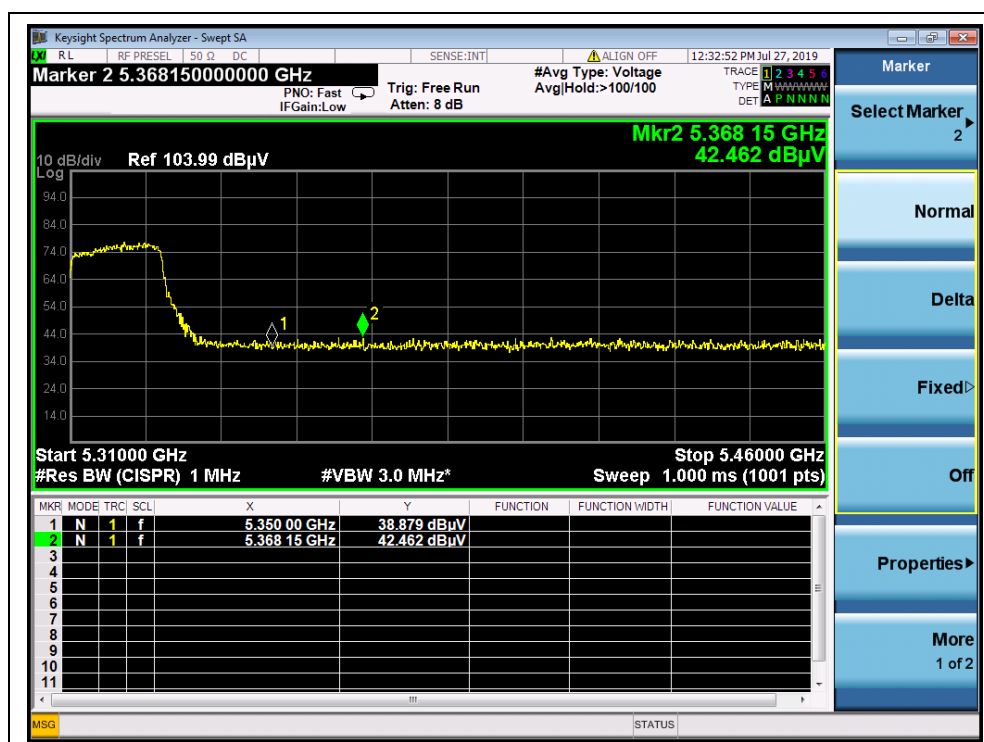
(Channel 38, PEAK, 802.11n (HT40))



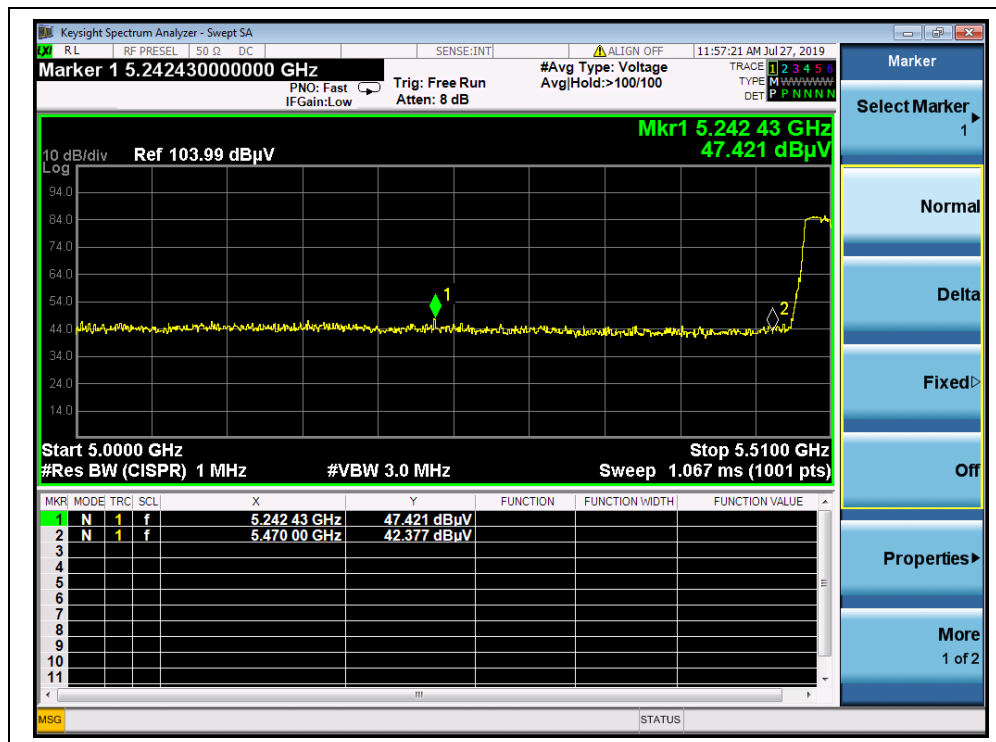
(Channel 38, AVG, 802.11n (HT40))



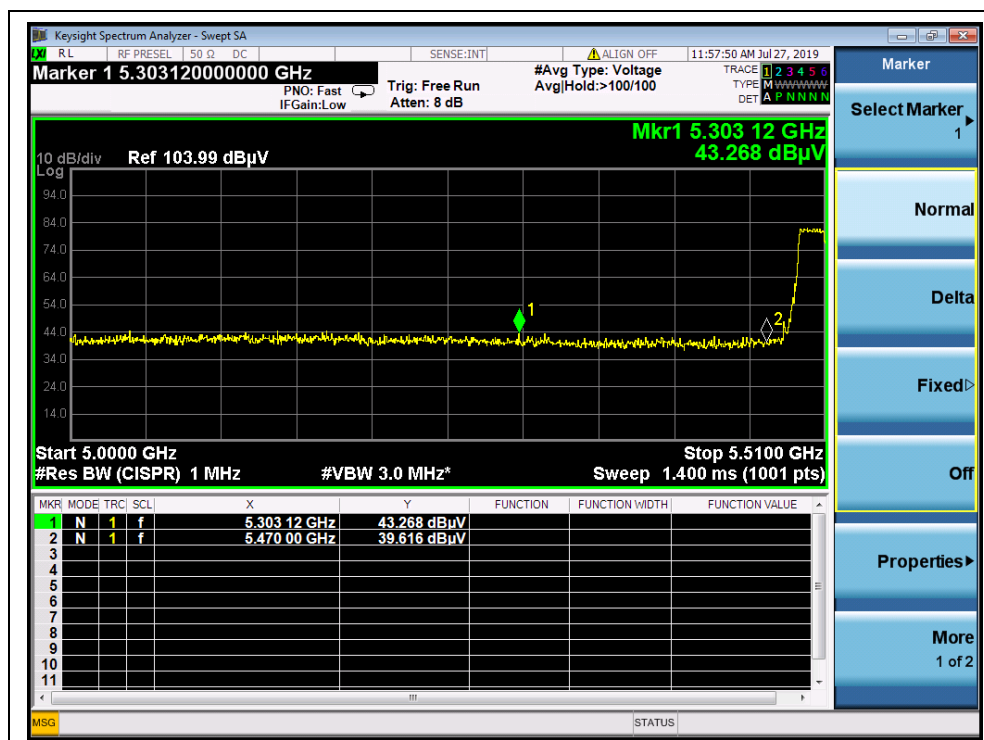
(Channel 62, PEAK, 802.11n (HT40))



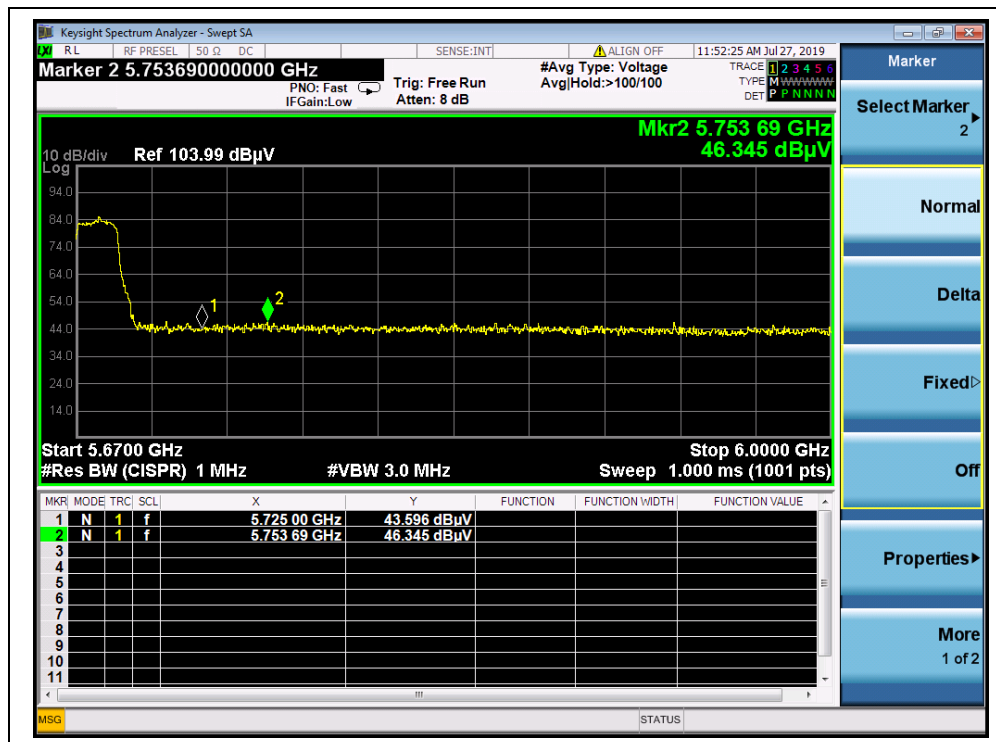
(Channel 62, AVG, 802.11n (HT40))



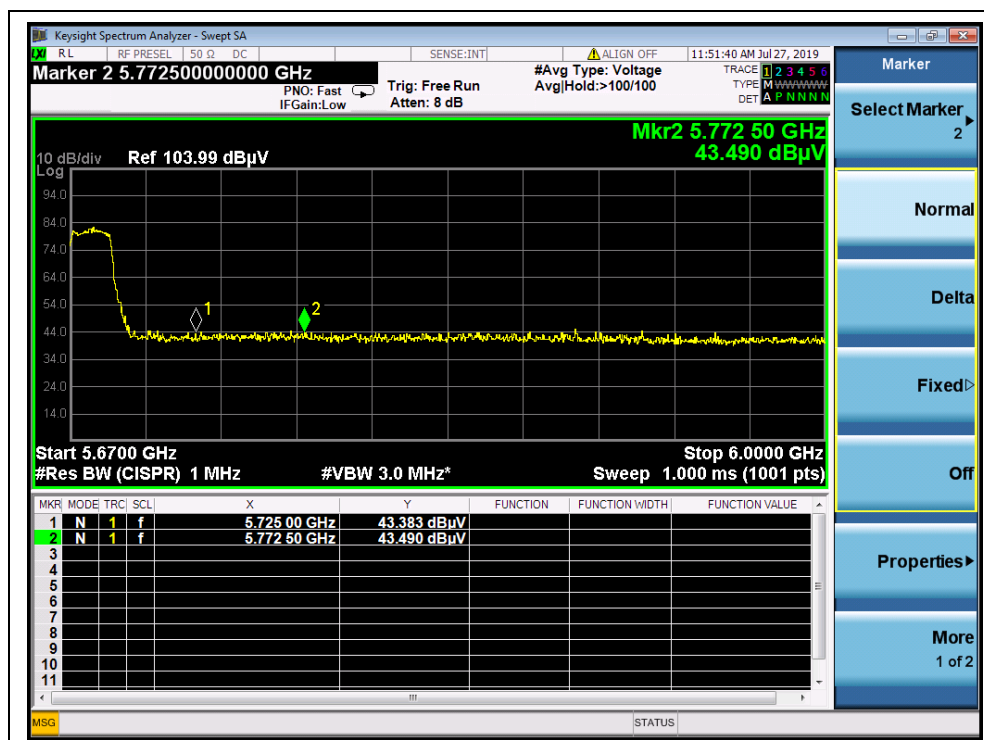
(Channel 102, PEAK, 802.11n (HT40))



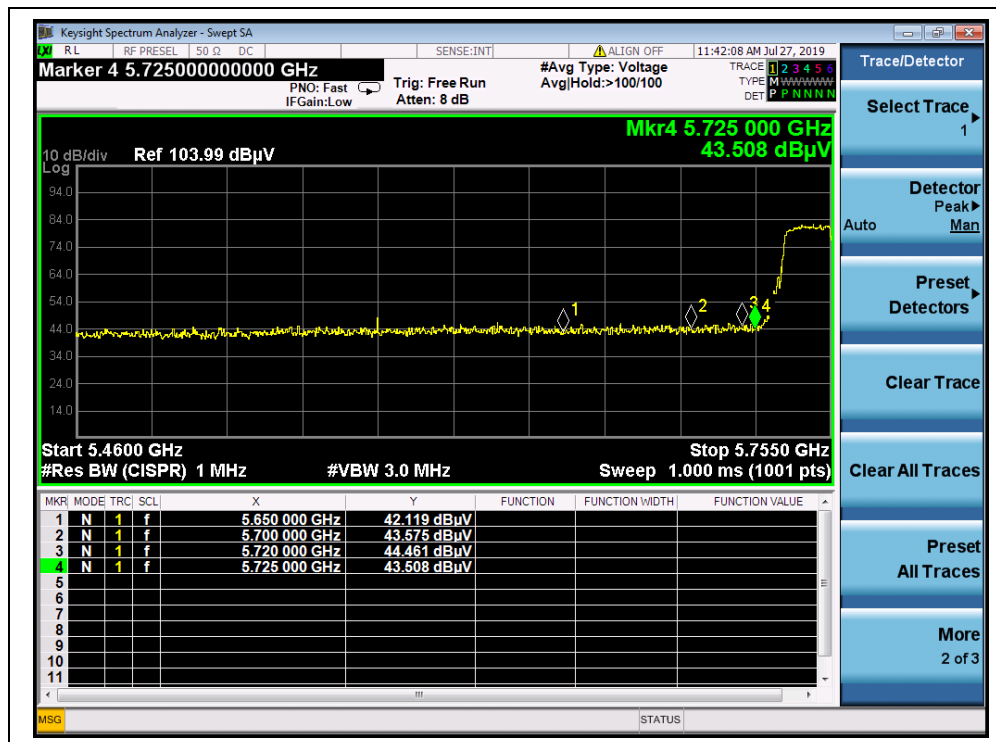
(Channel 102, AVG, 802.11n (HT40))



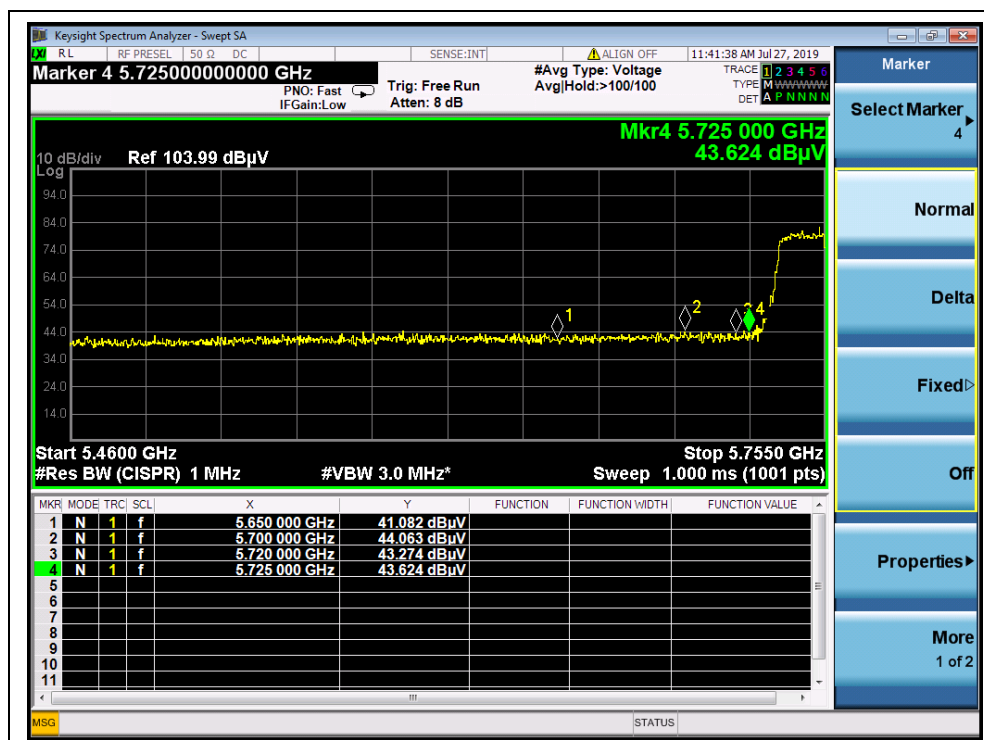
(Channel 142, PEAK, 802.11n (HT40))



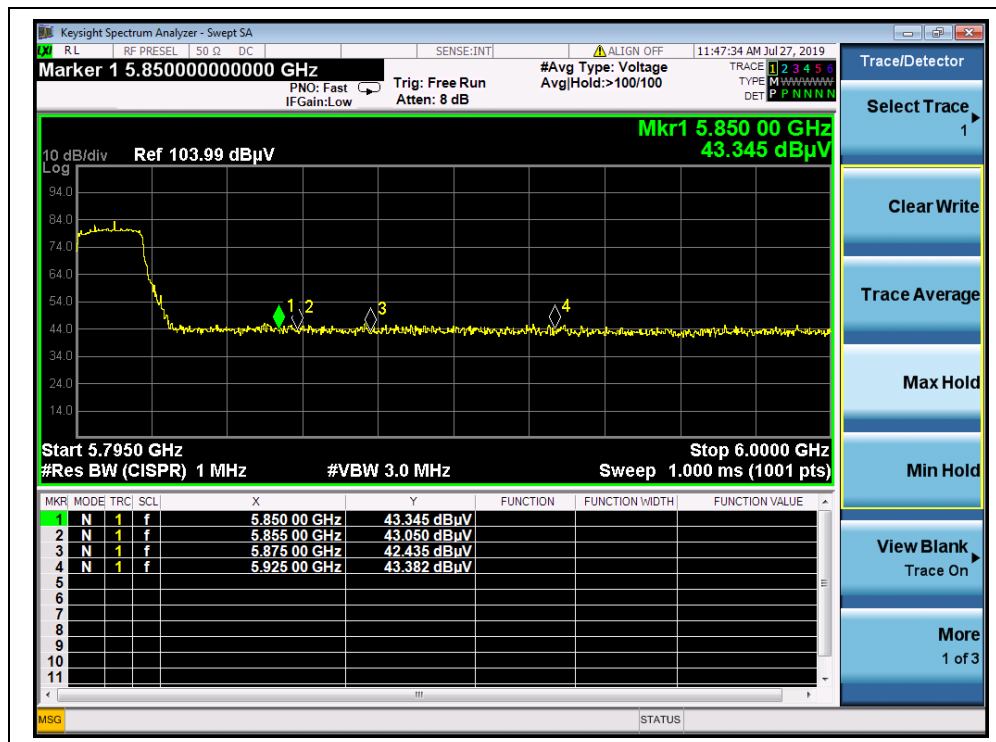
(Channel 142, AVG, 802.11n (HT40))



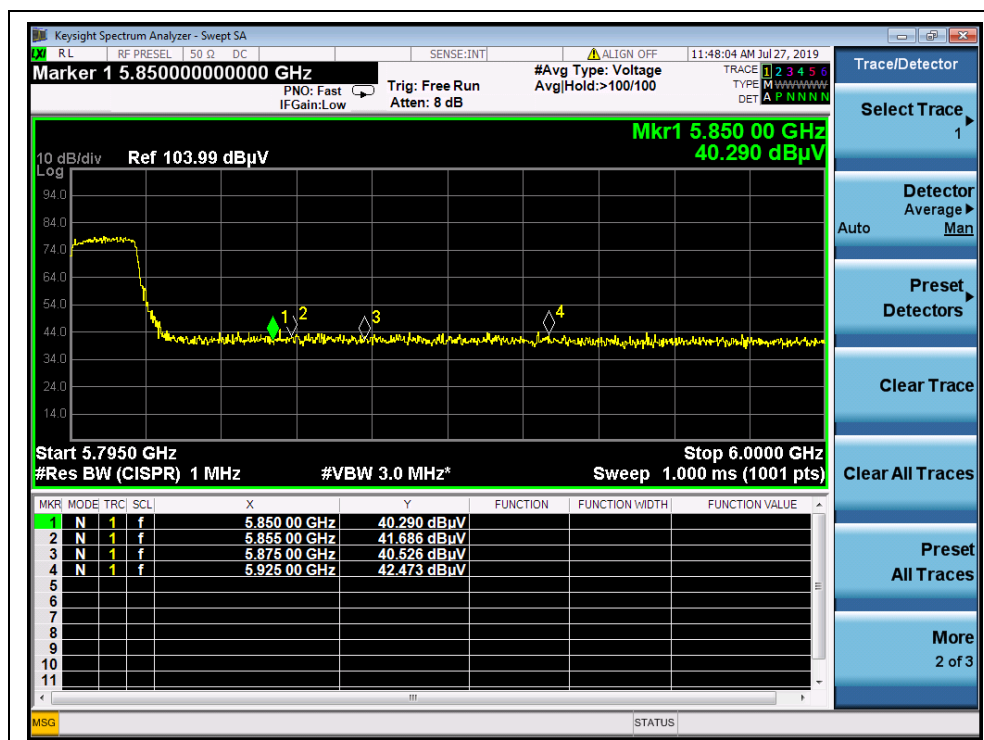
(Channel 151, PEAK, 802.11n (HT40))



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



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



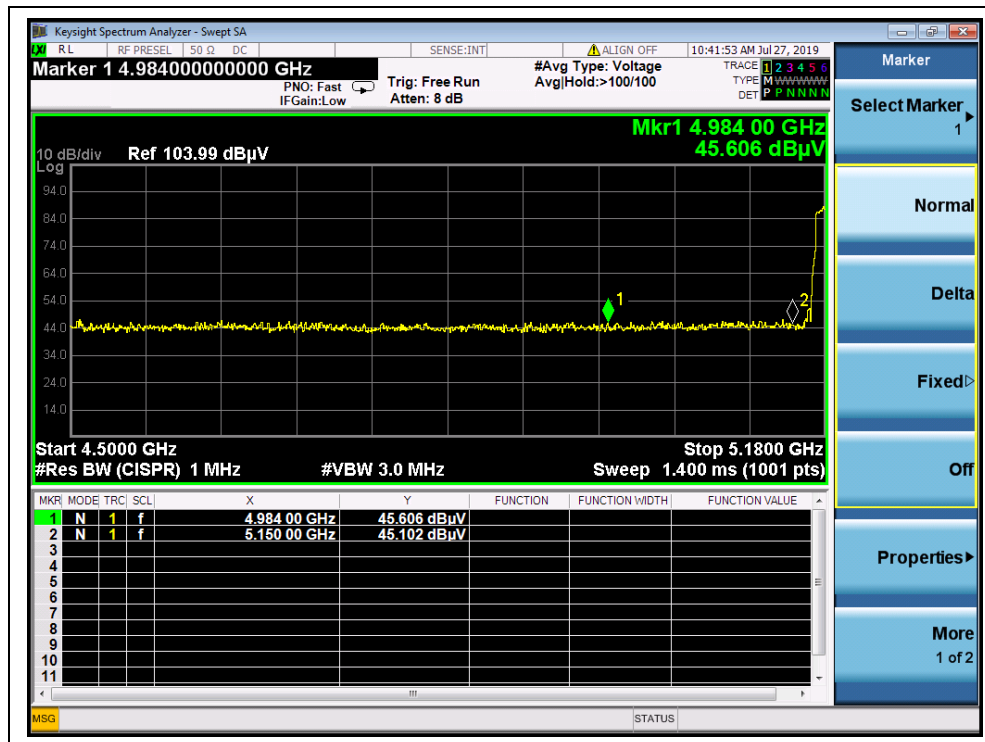
(Channel 159, AVG, 802.11n (HT40))

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

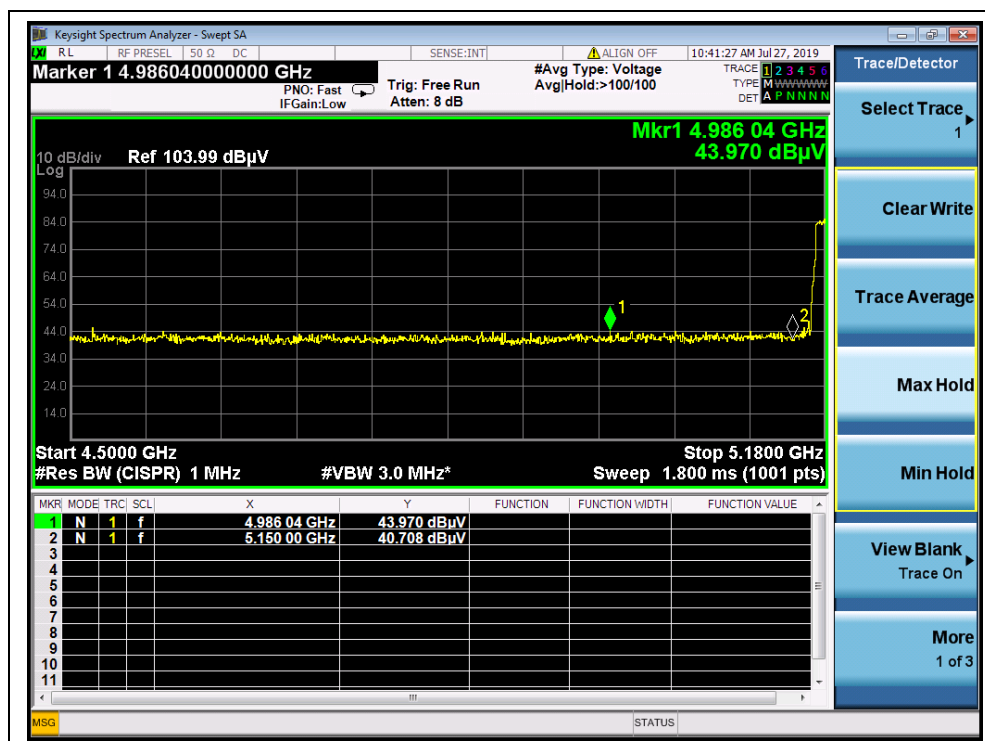
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBuV/m)	Limit (dBuV/m)	Verdict
		PK/ AV						
36	4984.00	PK	45.61	-26.92	32.20	50.89	74	PASS
36	4986.04	AV	43.97	-26.92	32.20	49.25	54	PASS
64	5371.62	PK	45.12	-26.80	32.20	50.52	74	PASS
64	5357.06	AV	41.93	-26.80	32.20	47.33	54	PASS
100	5340.35	PK	45.44	-26.64	32.20	51.00	74	PASS
100	5102.18	AV	45.11	-26.64	32.20	50.67	54	PASS
144	5774.60	PK	47.05	-26.64	32.20	52.61	68.23	PASS
144	5760.50	AV	43.34	-26.64	32.20	48.90	54	PASS
149	5700.00	PK	45.80	-26.23	32.20	51.77	105.23	PASS
149	5725.00	AV	43.94	-26.23	32.20	49.91	54	PASS
165	5850.00	PK	44.47	-26.23	32.20	50.44	122.23	PASS
165	5925.00	AV	42.33	-26.23	32.20	48.30	54	PASS



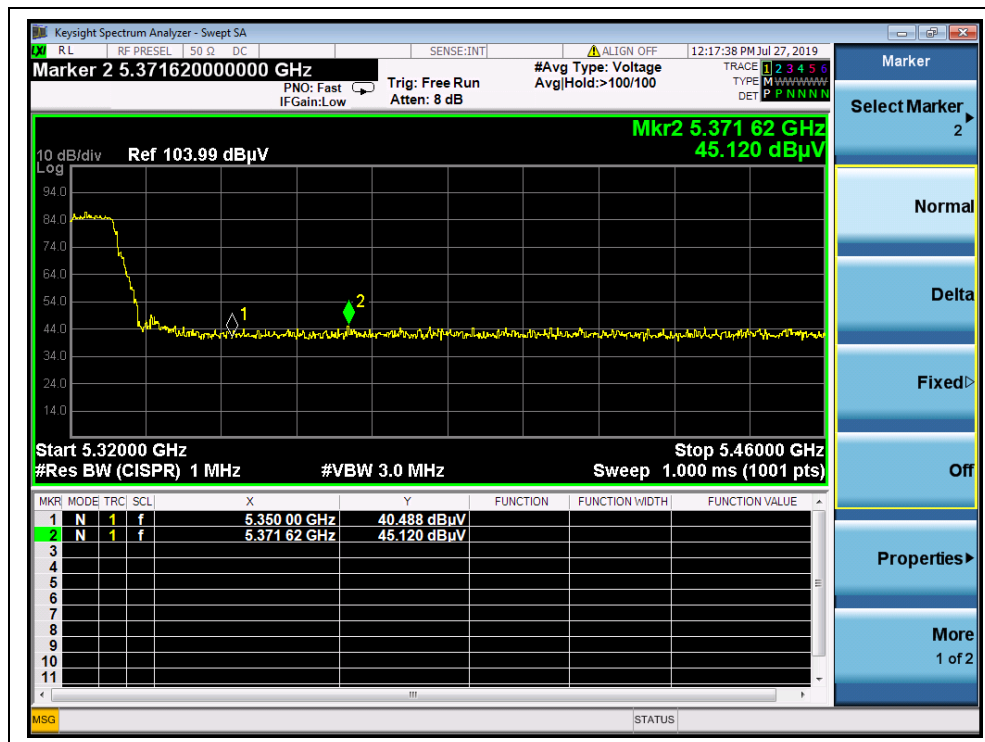
B. Test Plots:



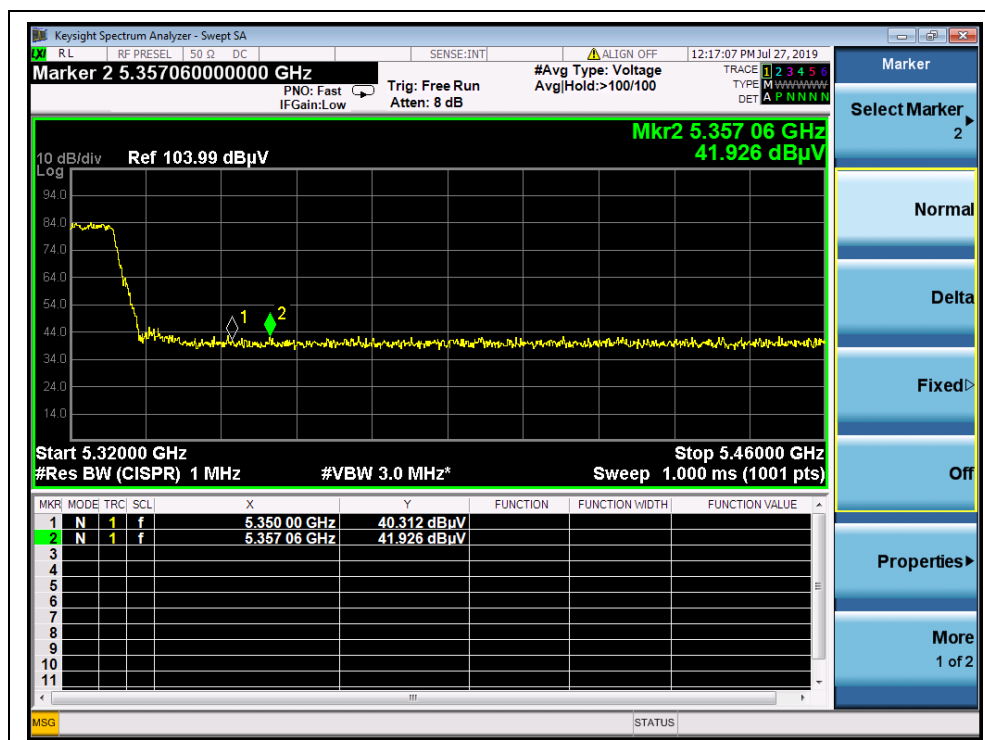
(Channel 36, PEAK, 802.11 ac (VHT20))



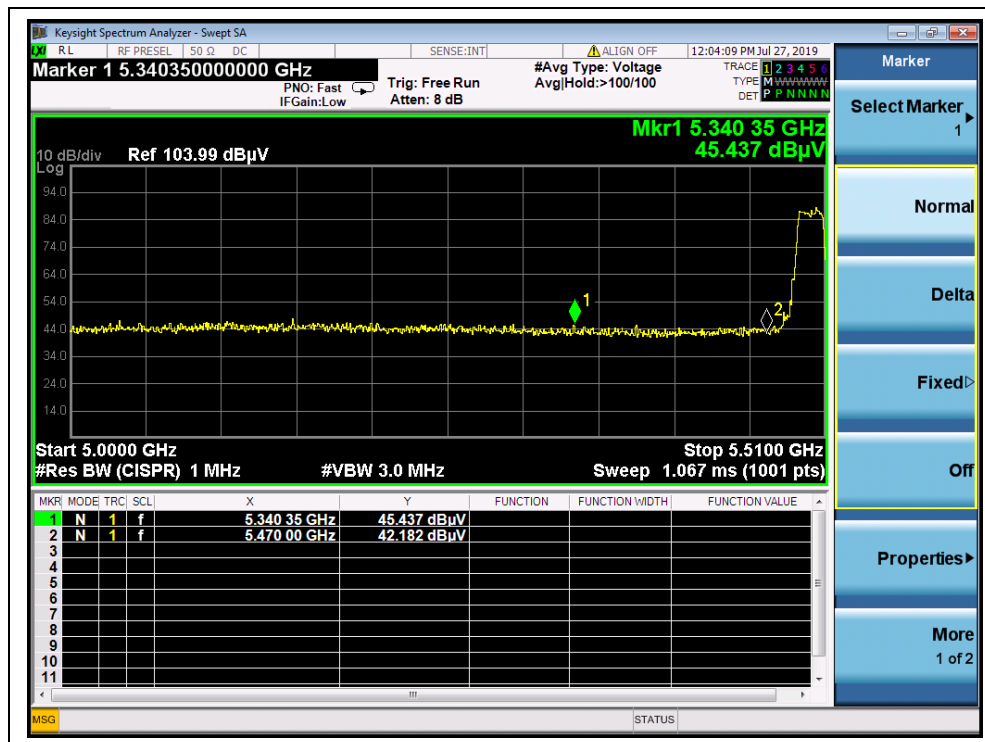
(Channel 36, AVG, 802.11 ac (VHT20))



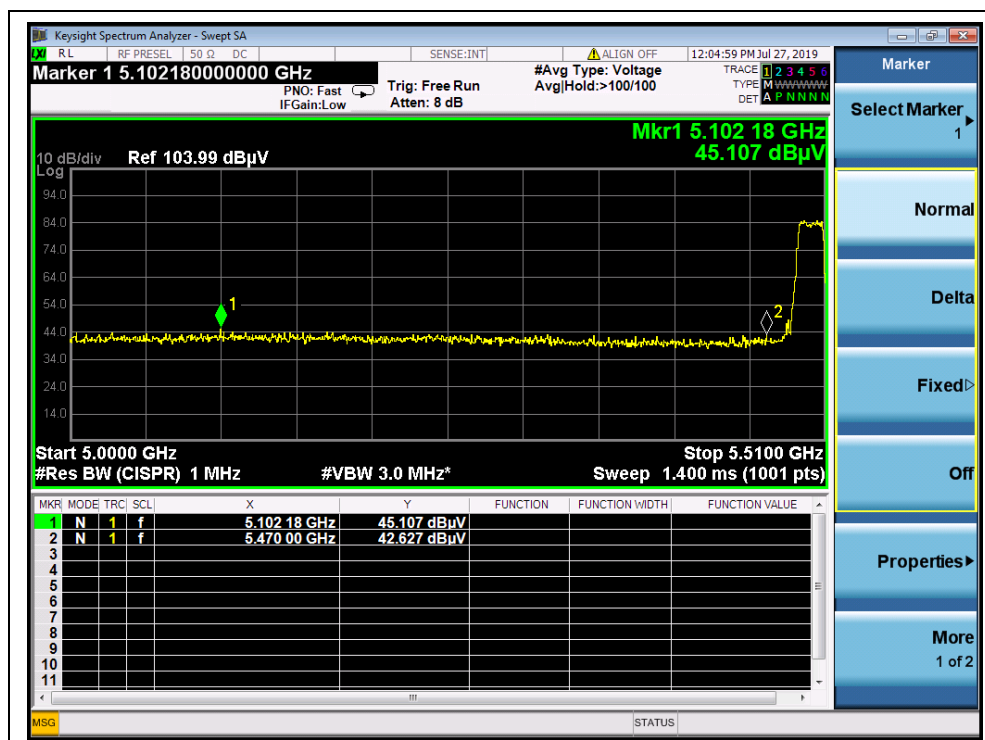
(Channel 64, PEAK, 802.11 ac (VHT20))



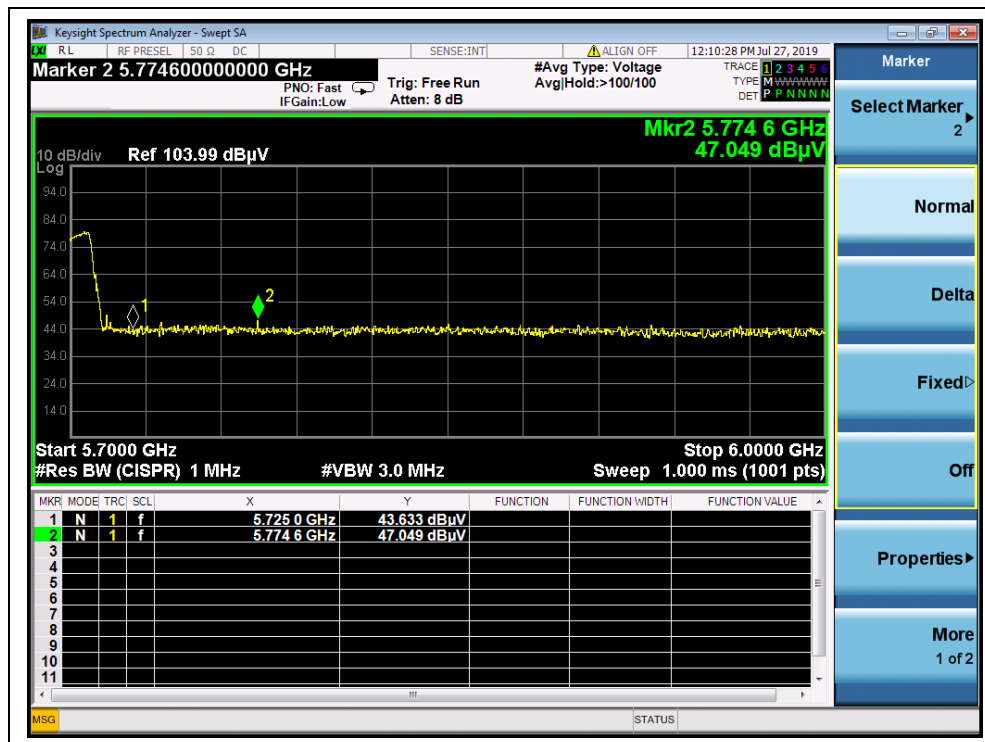
(Channel 64, AVG, 802.11 ac (VHT20))



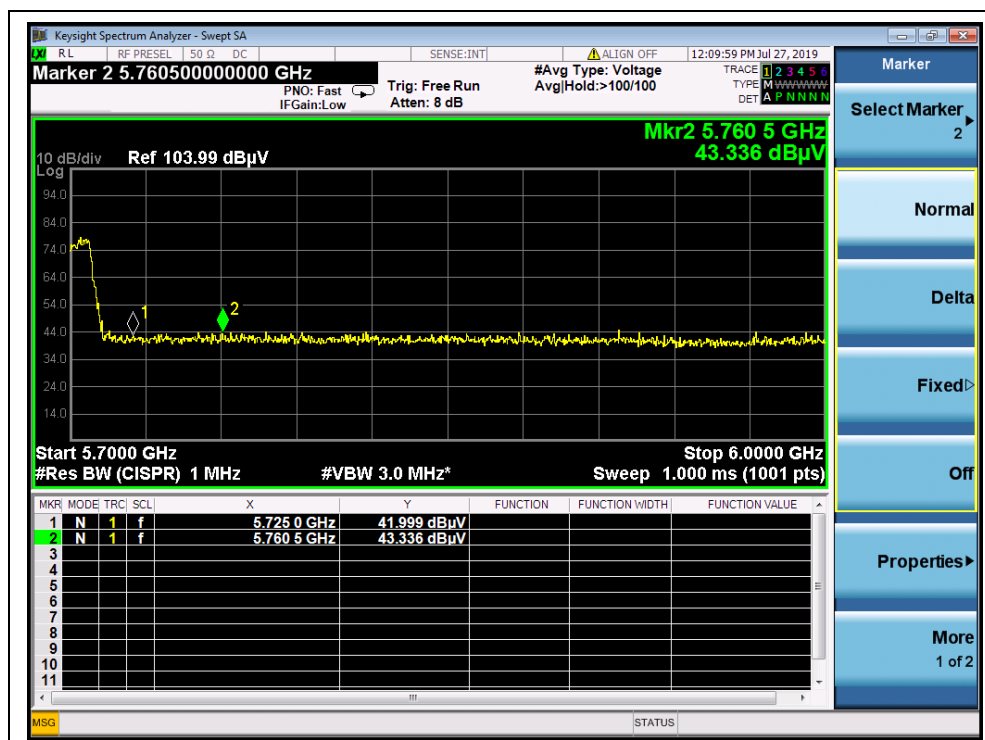
(Channel 100, PEAK, 802.11 ac (VHT20))



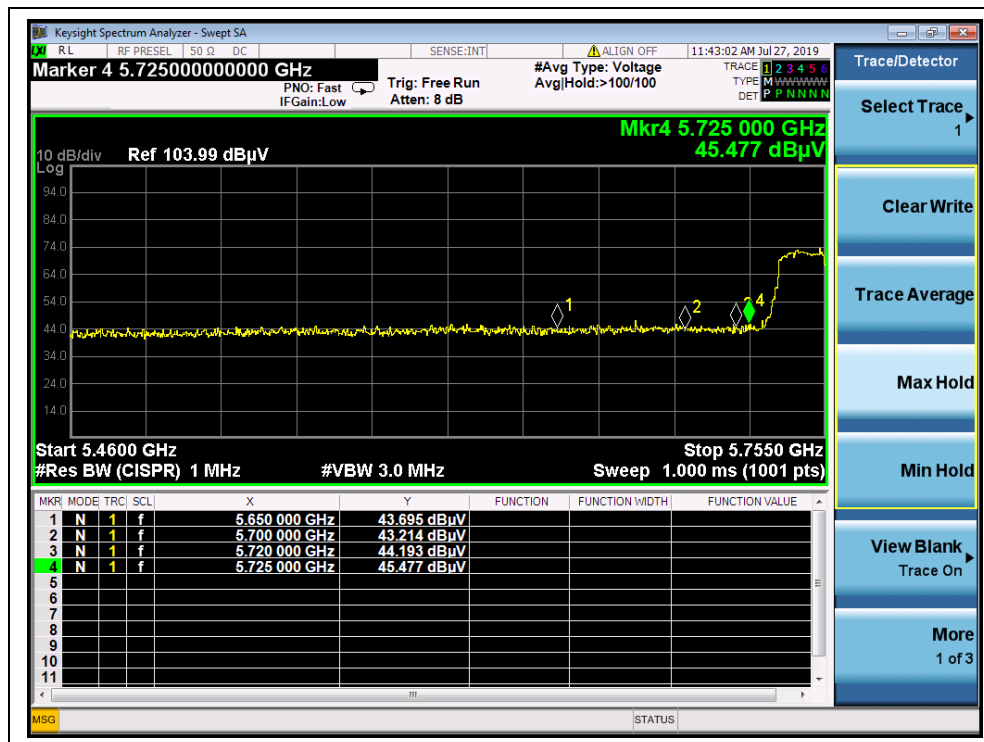
(Channel 100, AVG, 802.11 ac (VHT20))



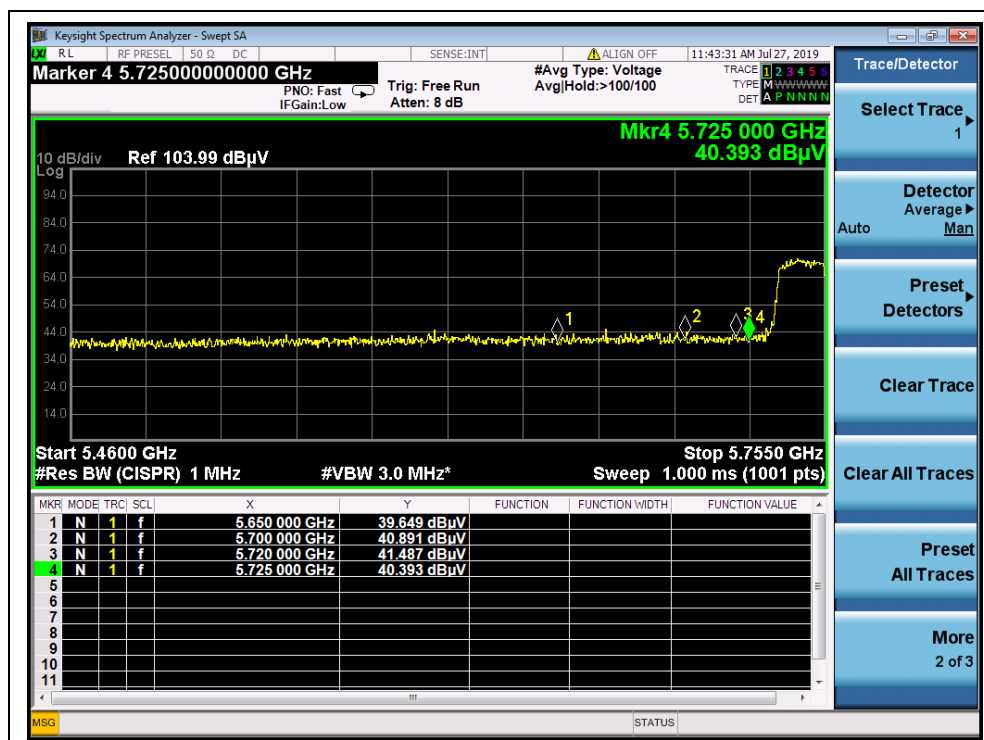
(Channel 144, PEAK, 802.11 ac (VHT20))



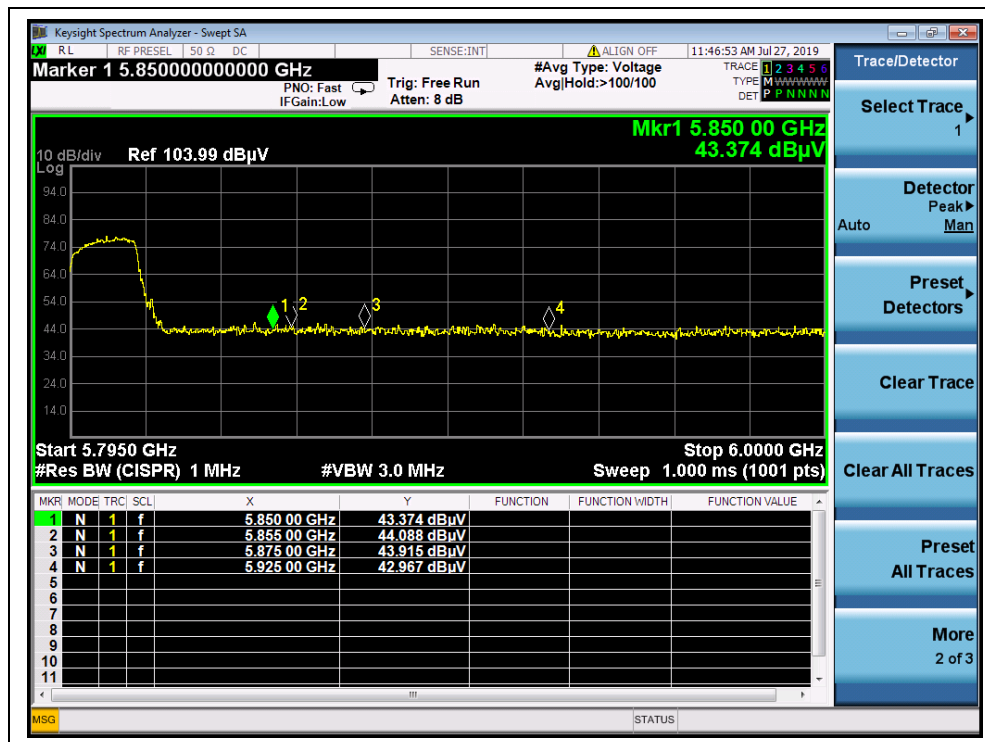
(Channel 144, AVG, 802.11 ac (VHT20))



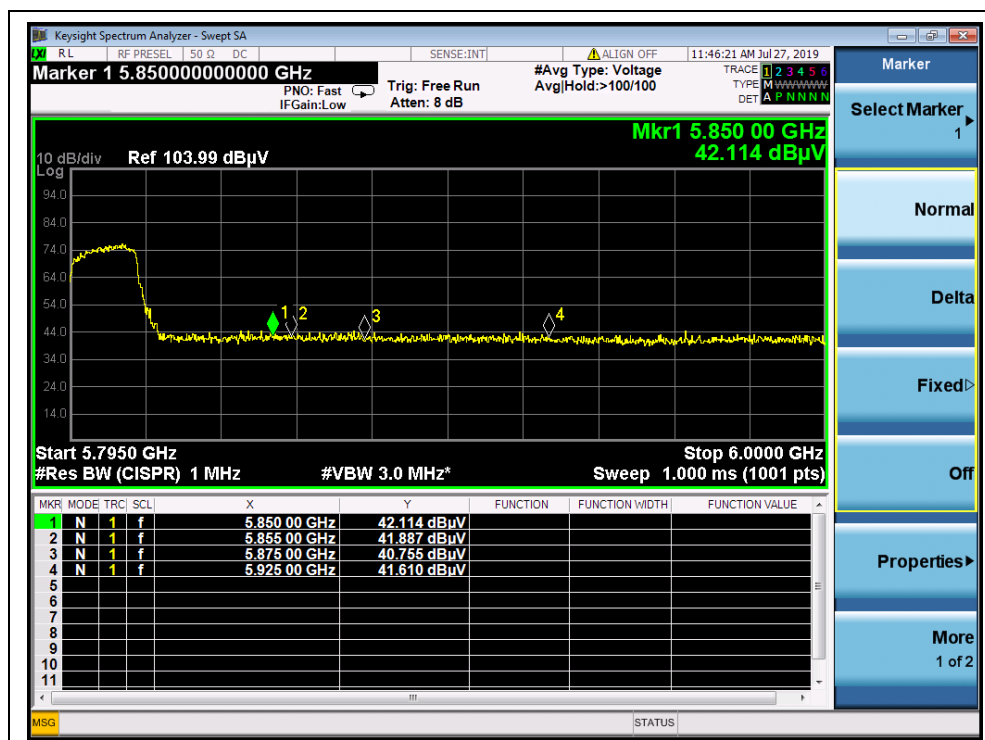
(Channel 149, PEAK, 802.11 ac (VHT20))



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



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



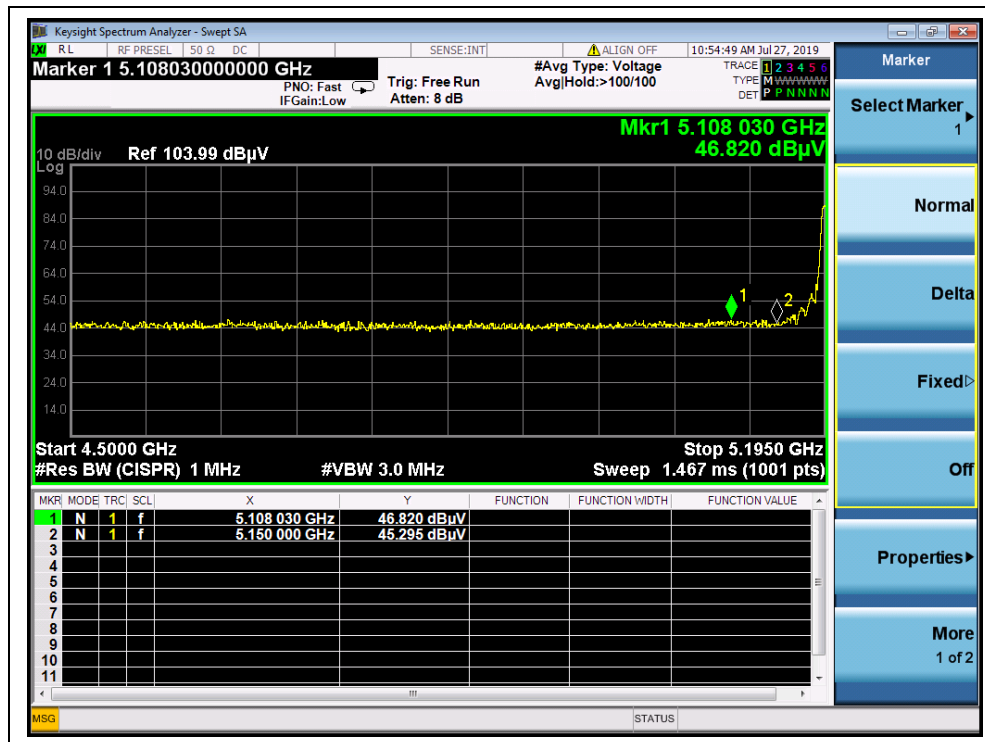
(Channel 165, AVG, 802.11 ac (VHT20))

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

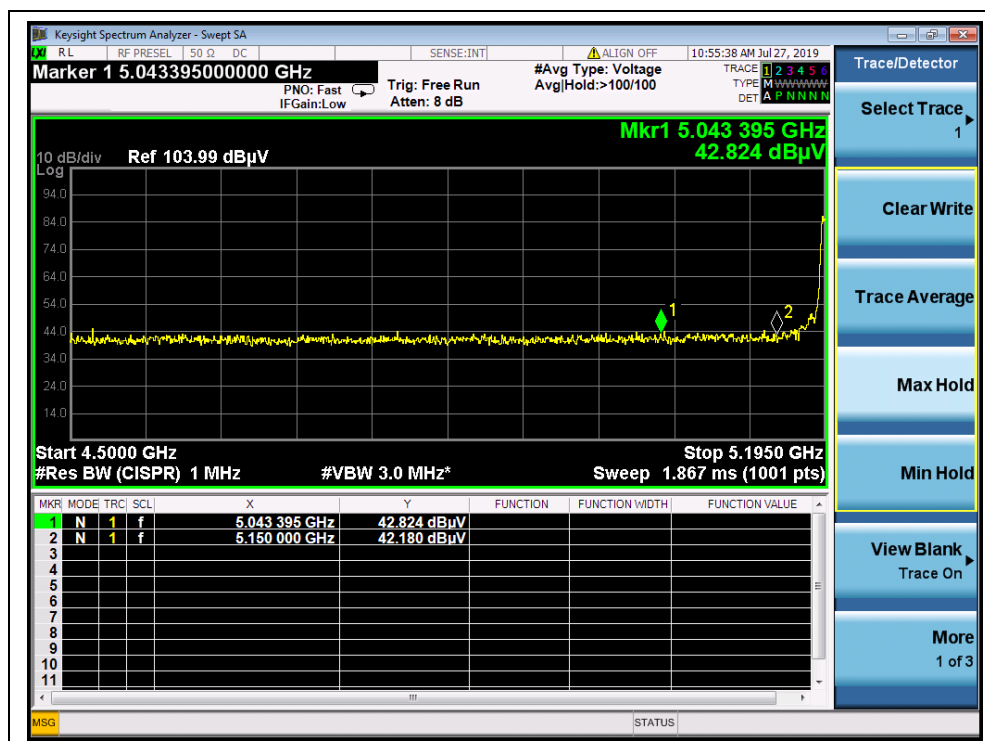
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
38	4108.03	PK	46.82	-26.92	32.20	52.10	74	PASS
38	5043.40	AV	42.82	-26.92	32.20	48.10	54	PASS
62	5352.85	PK	43.61	-26.80	32.20	49.01	74	PASS
62	5372.50	AV	41.60	-26.80	32.20	47.00	54	PASS
102	5439.80	PK	45.20	-26.64	32.20	50.76	74	PASS
102	5456.12	AV	42.30	-26.64	32.20	47.86	54	PASS
142	5752.04	PK	46.94	-26.64	32.20	52.50	68.23	PASS
142	5740.49	AV	43.51	-26.64	32.20	49.07	54	PASS
151	5725.00	PK	45.48	-26.23	32.20	51.45	122.23	PASS
151	5720.00	AV	41.49	-26.23	32.20	47.46	54	PASS
159	5855.00	PK	44.09	-26.23	32.20	50.06	110.83	PASS
159	5850.00	AV	42.11	-26.23	32.20	48.08	54	PASS



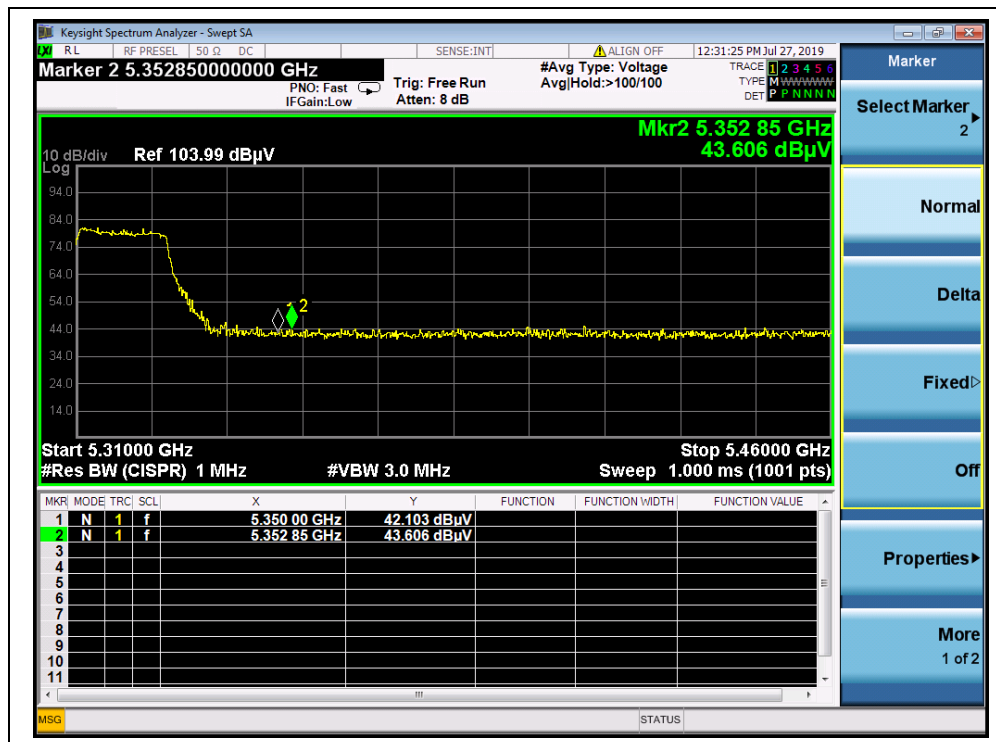
B. Test Plots:



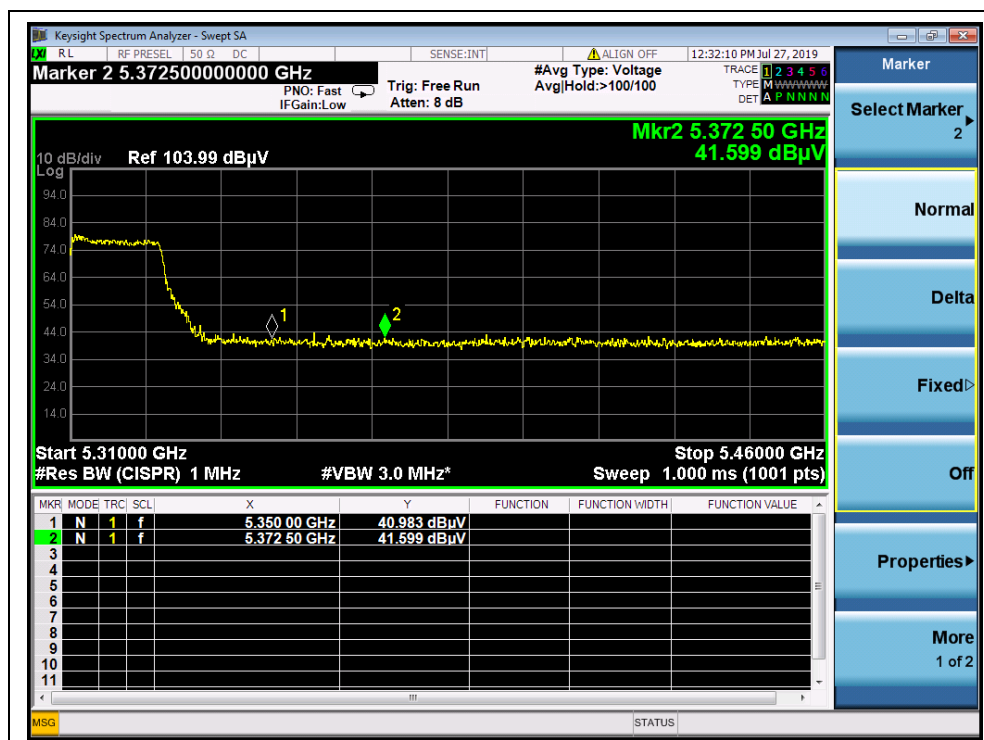
(Channel 38, PEAK, 802.11ac (VHT40))



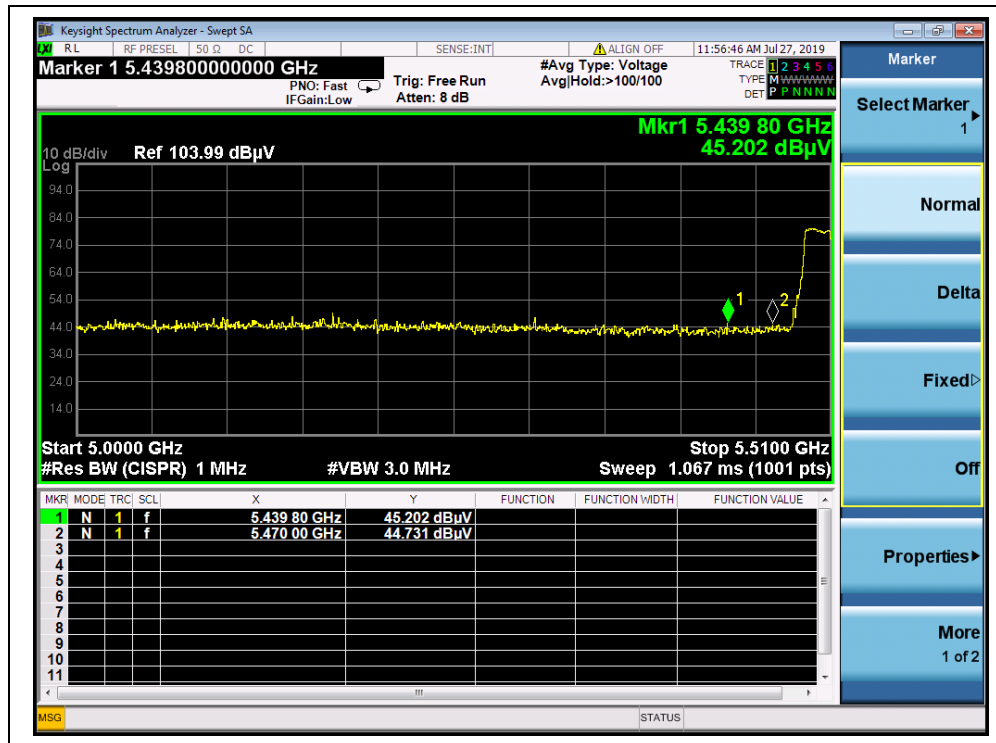
(Channel 38, AVG, 802.11ac (VHT40))



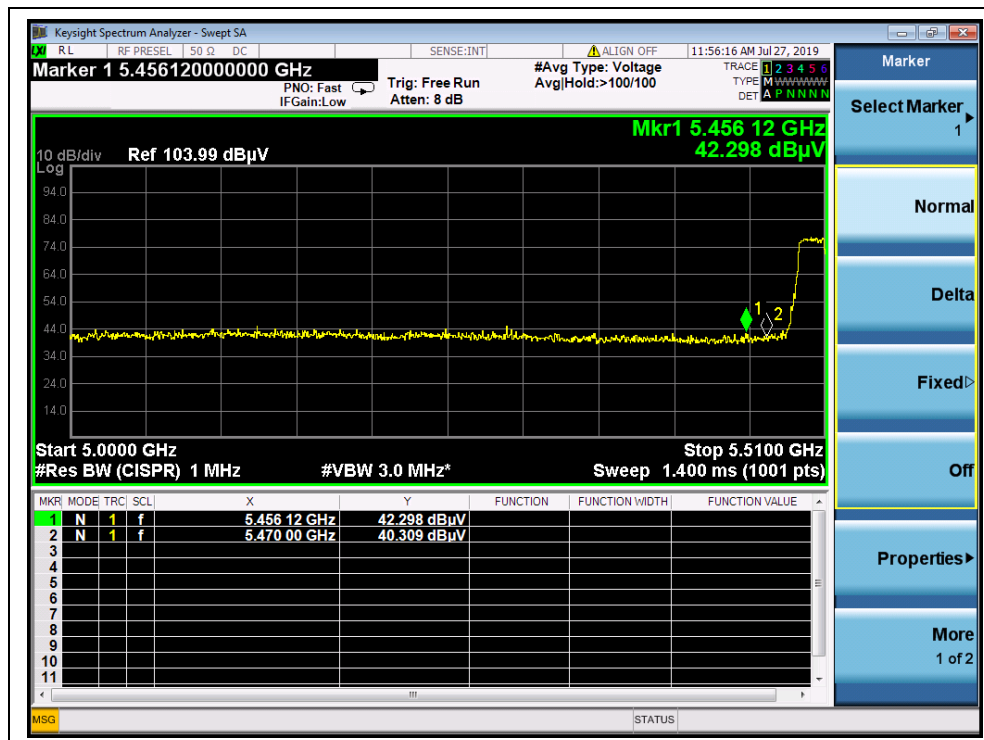
(Channel 62, PEAK, 802.11ac (VHT40))



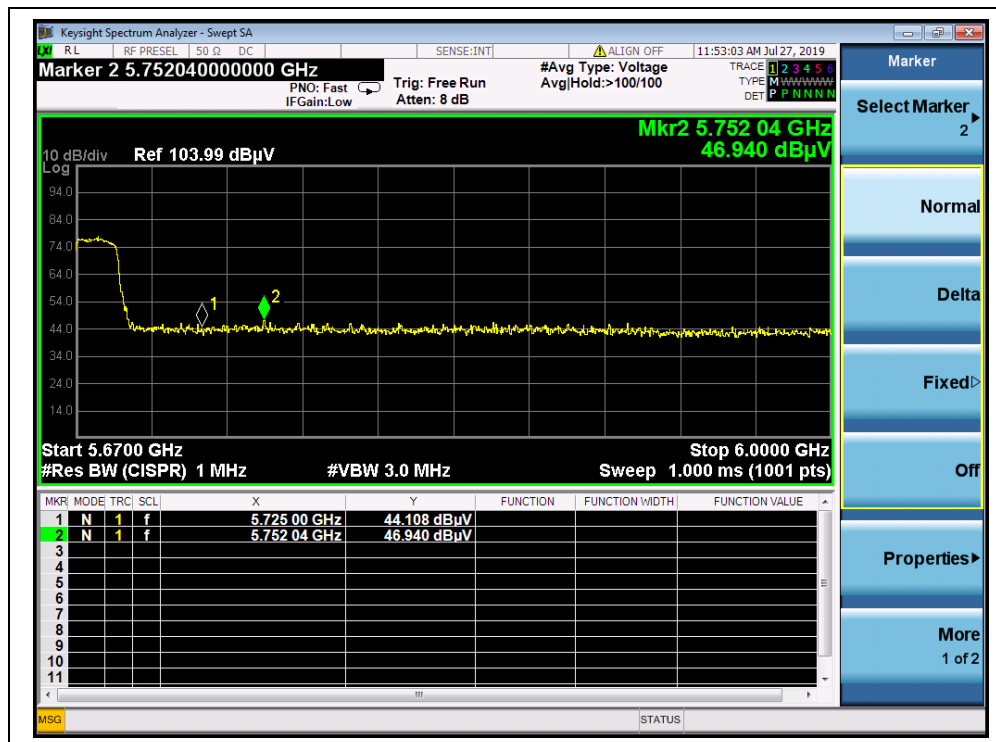
(Channel 62, AVG, 802.11ac (VHT40))



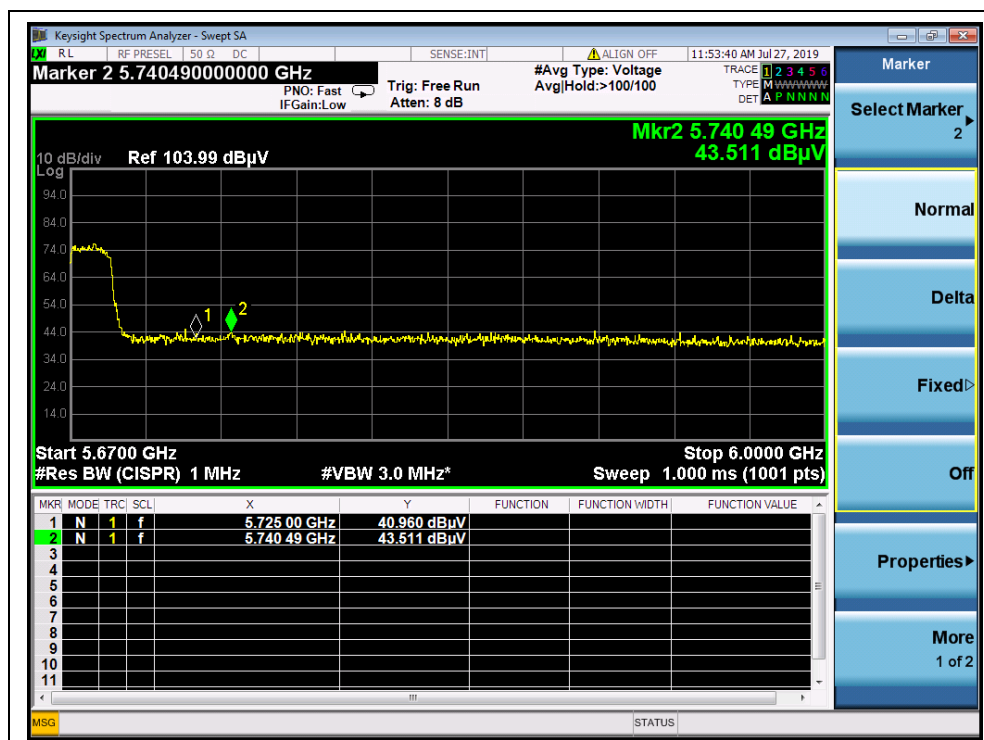
(Channel 102, PEAK, 802.11ac (VHT40))



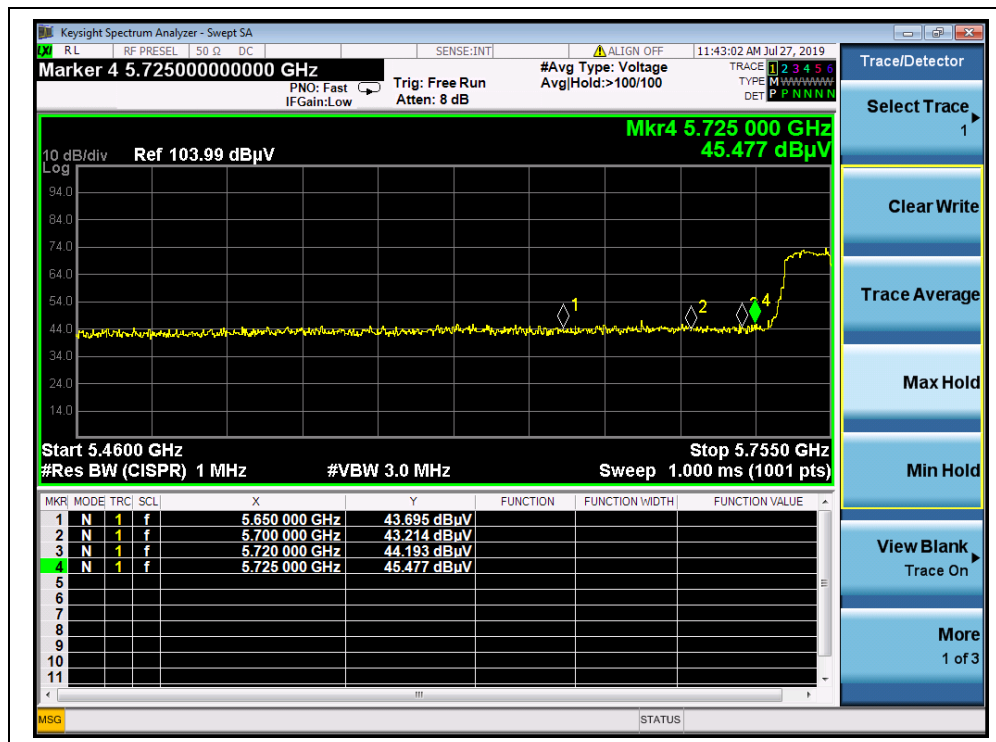
(Channel 102, AVG, 802.11ac (VHT40))



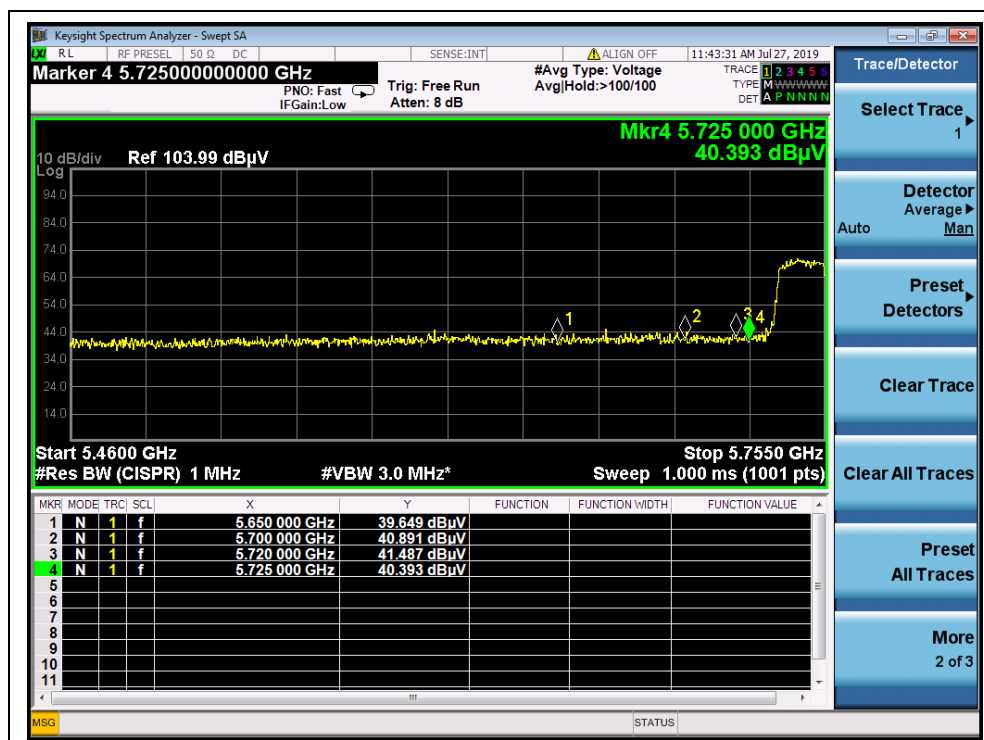
(Channel 142, PEAK, 802.11ac (VHT40))



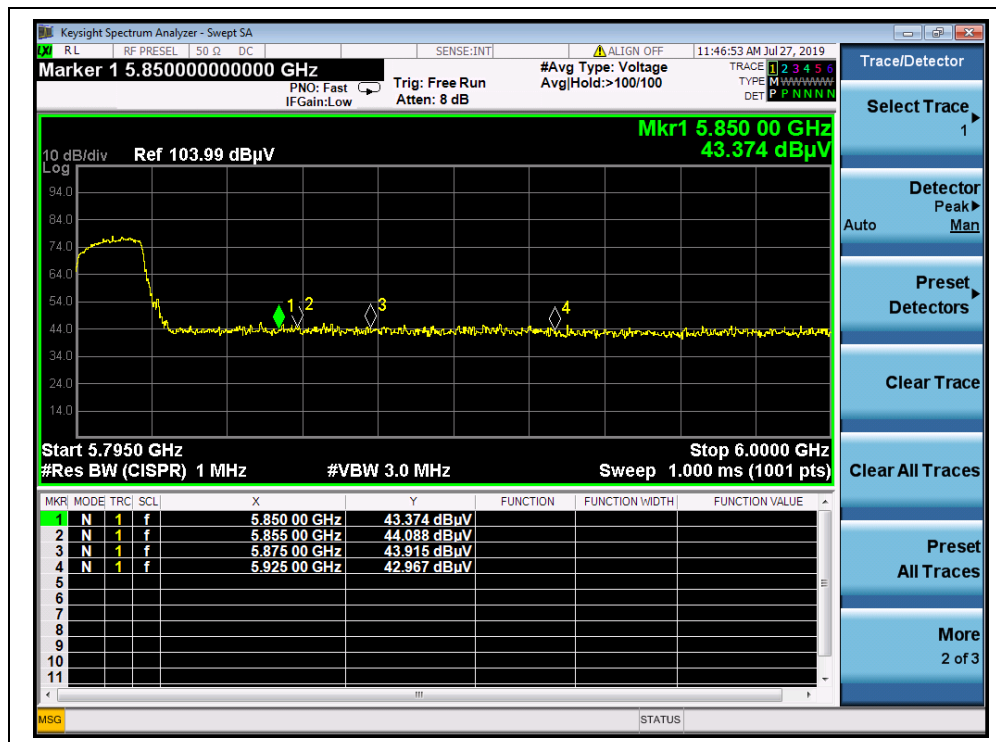
(Channel 142, AVG, 802.11ac (VHT40))



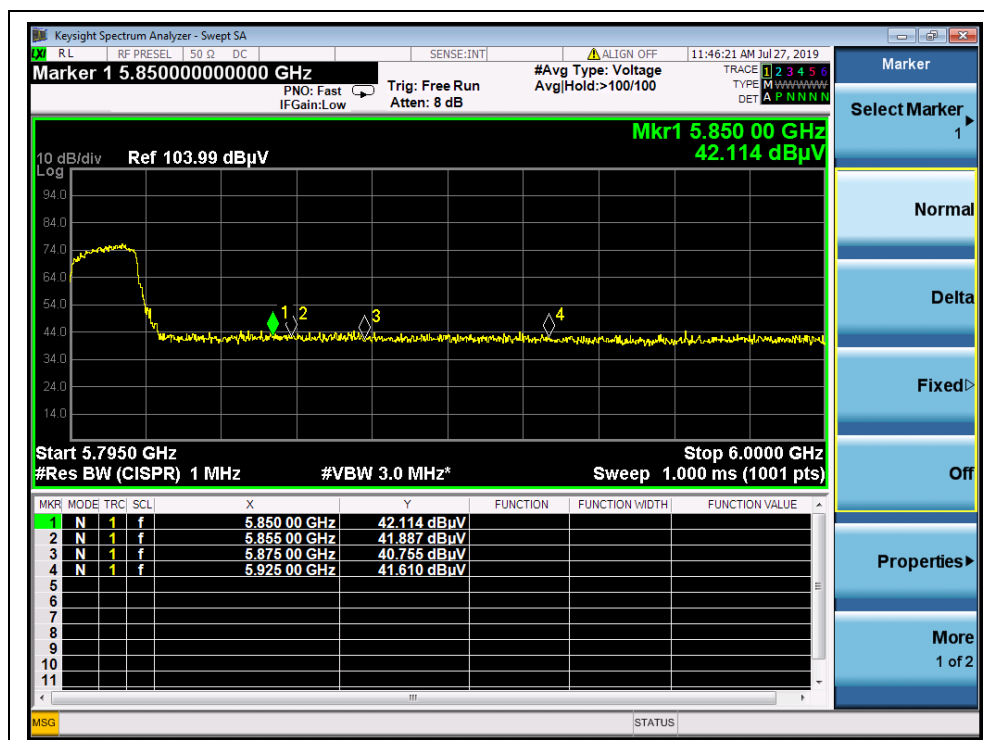
(Channel 151, PEAK, 802.11ac (VHT40))



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



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



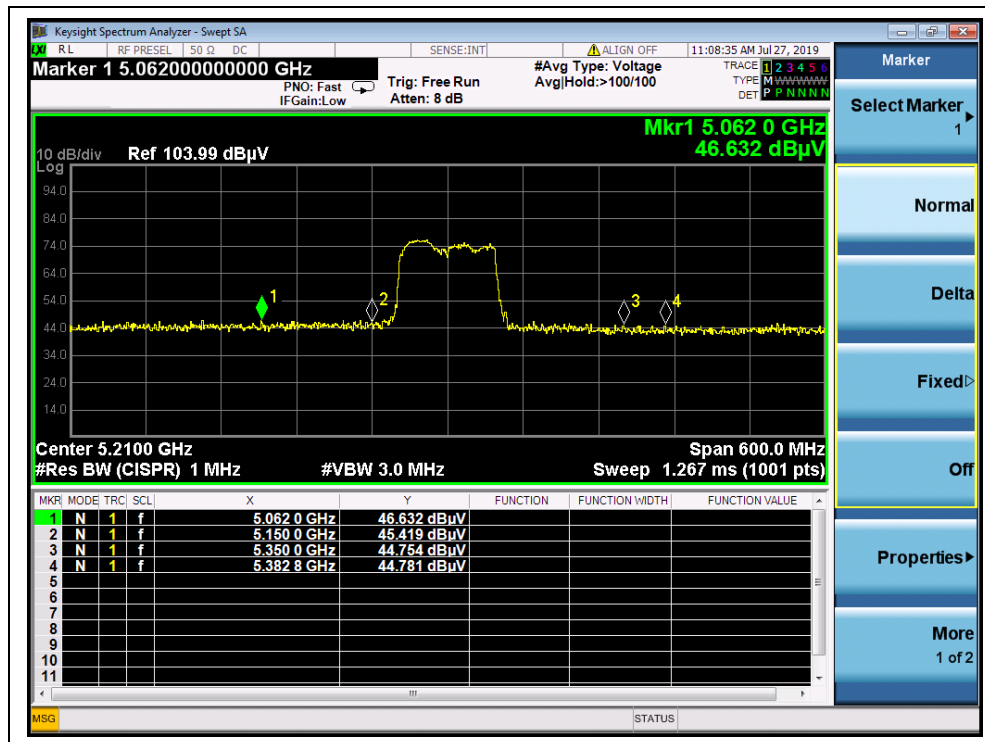
(Channel 159, AVG, 802.11ac (VHT40))

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

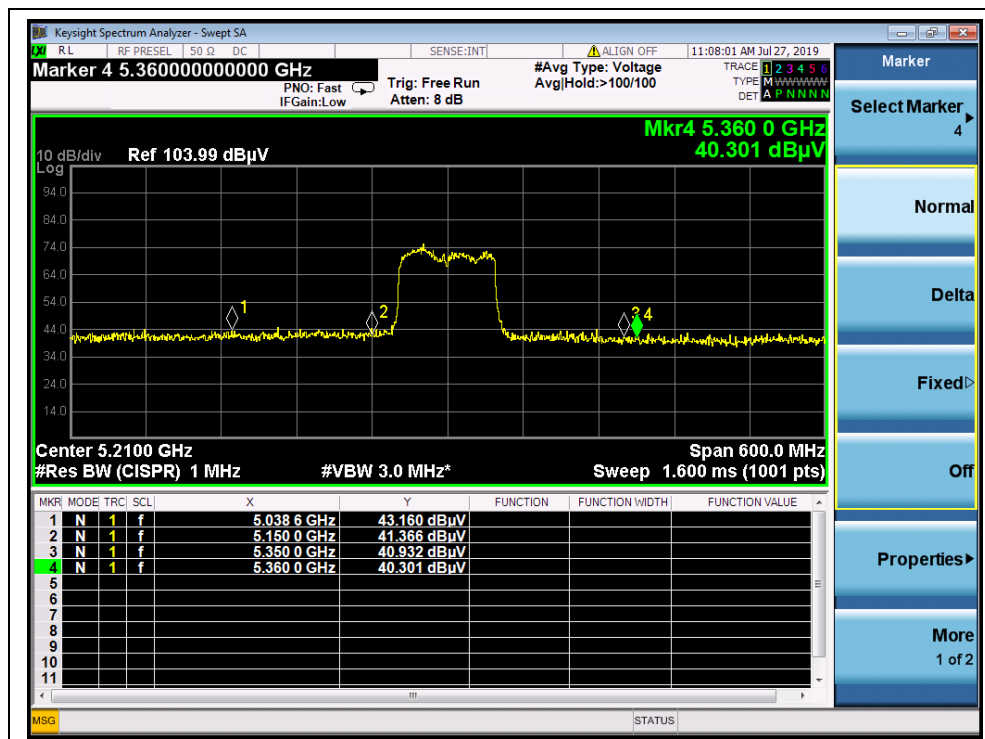
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBuV/m)	Limit (dBuV/m)	Verdict
		PK/ AV						
42	5062.00	PK	46.63	-26.92	32.20	51.91	74	PASS
42	5038.60	AV	43.16	-26.92	32.20	48.44	54	PASS
58	5382.20	PK	47.39	-26.80	32.20	52.79	74	PASS
58	5394.80	AV	42.94	-26.80	32.20	48.34	54	PASS
106	5458.80	PK	45.29	-26.64	32.20	50.85	68.23	PASS
106	5470.00	AV	42.36	-26.64	32.20	47.92	54	PASS
138	5739.20	PK	46.89	-26.64	32.20	52.45	68.23	PASS
138	5754.80	AV	42.30	-26.64	32.20	47.86	54	PASS
155	5725.00	PK	45.75	-26.23	32.20	51.72	106.57	PASS
155	5725.00	AV	42.22	-26.23	32.20	48.19	54	PASS
155	5850.00	PK	46.25	-26.23	32.20	52.22	76.22	PASS
155	5858.80	AV	43.19	-26.23	32.20	49.16	54	PASS



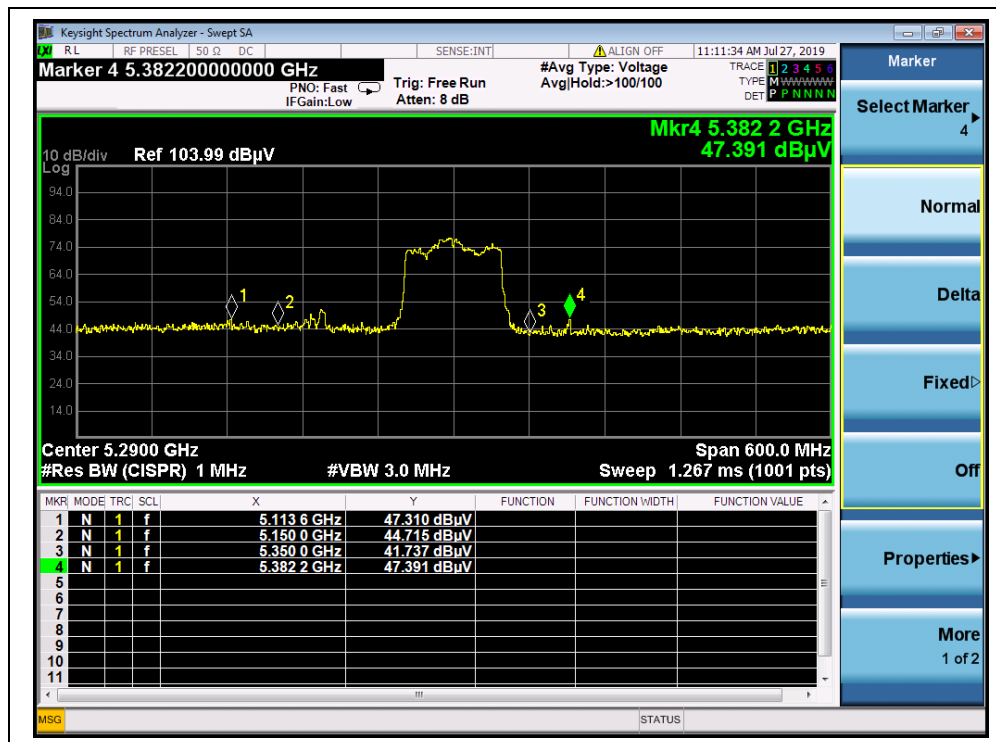
B. Test Plots:



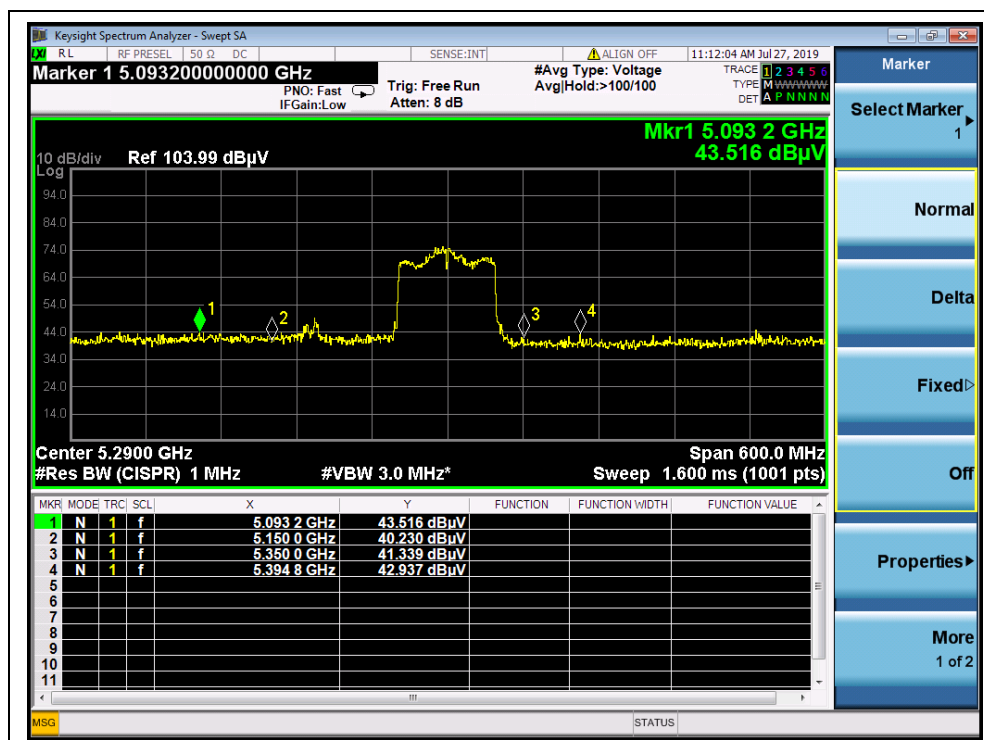
(Channel 42, PEAK, 802.11ac (VHT80))



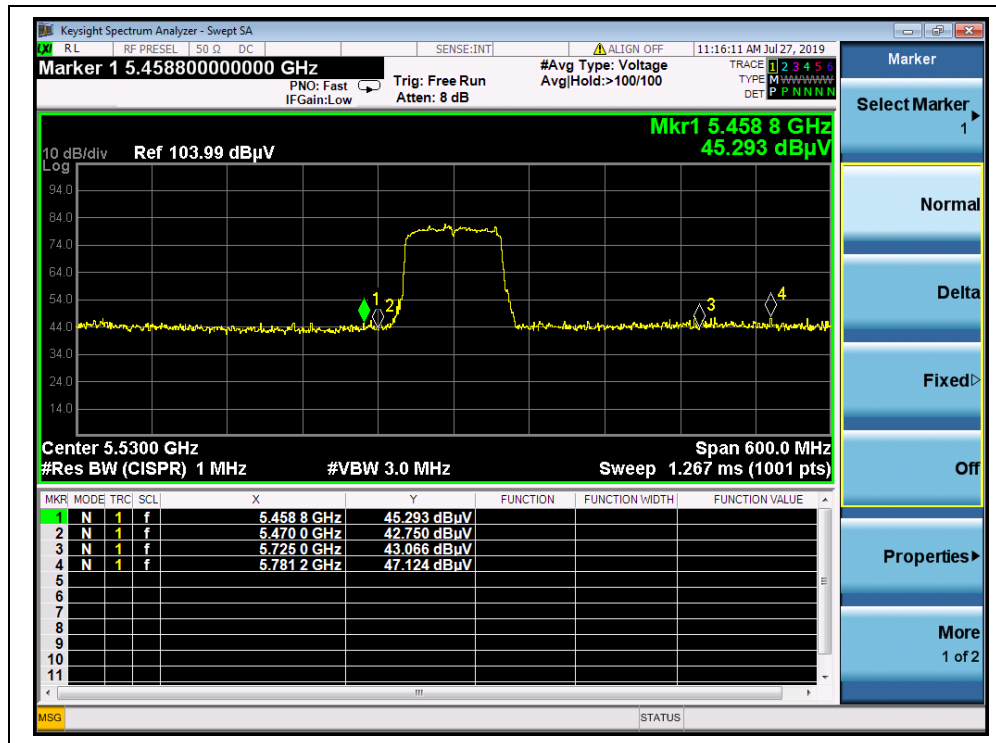
(Channel 42, AVG, 802.11ac (VHT80))



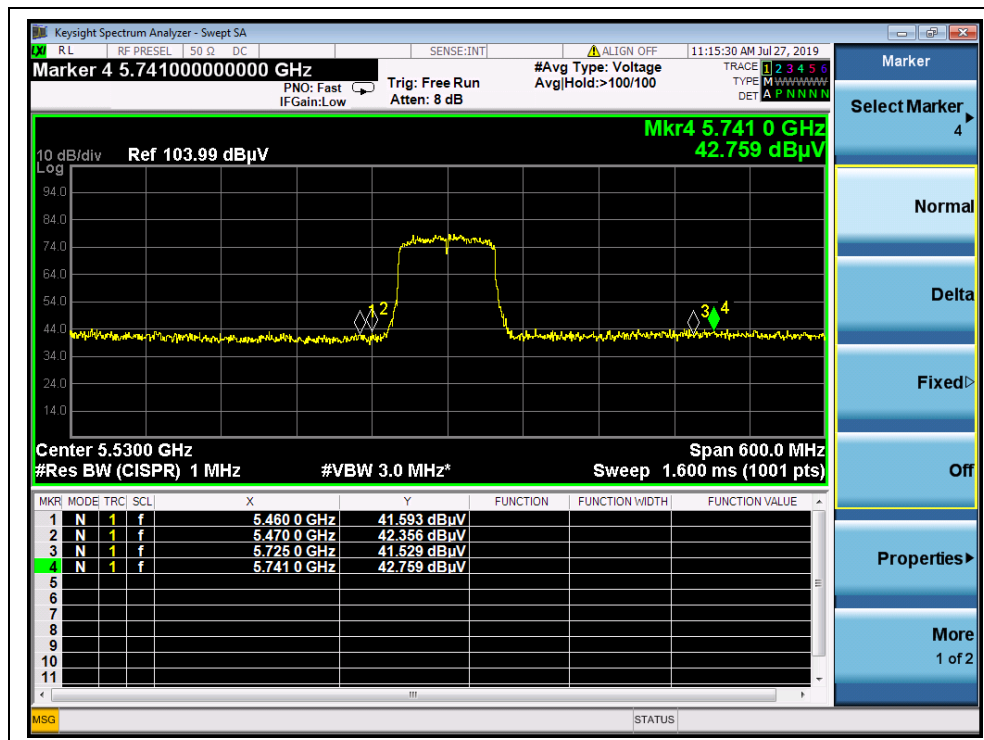
(Channel 58, PEAK, 802.11ac (VHT80))



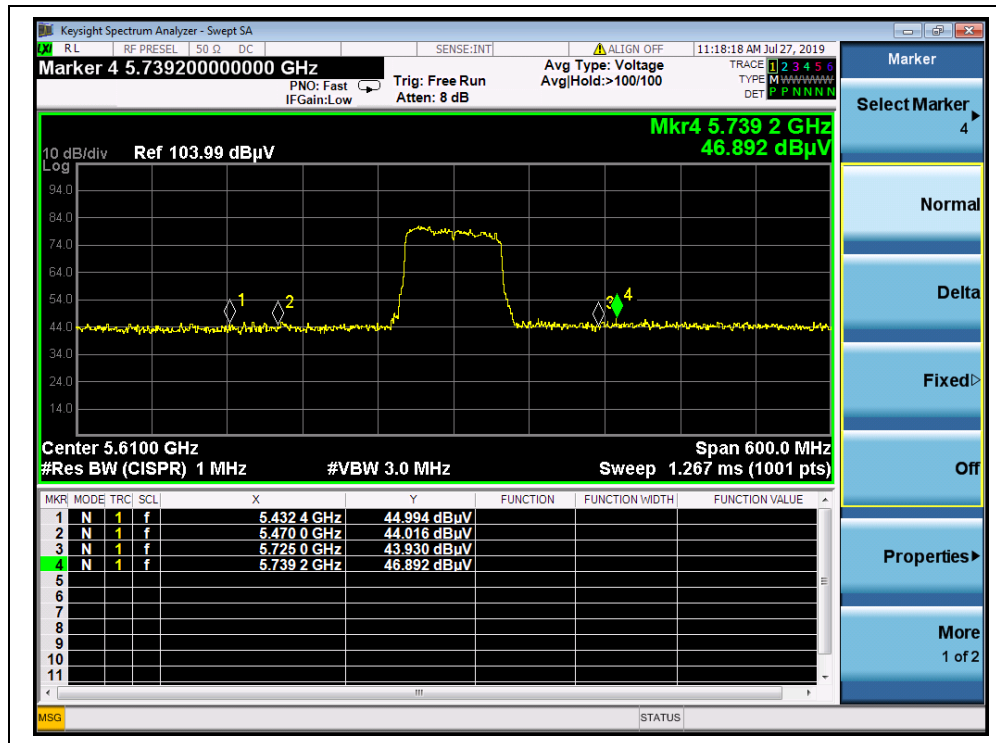
(Channel 58, AVG, 802.11ac (VHT80))



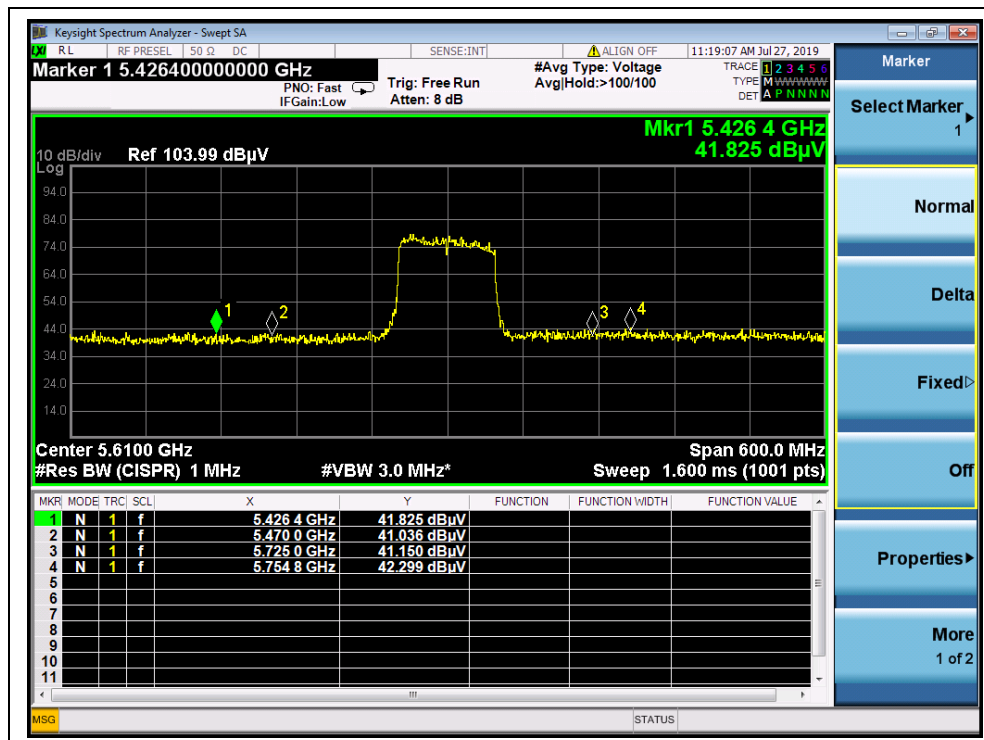
(Channel 106, PEAK, 802.11ac (VHT80))



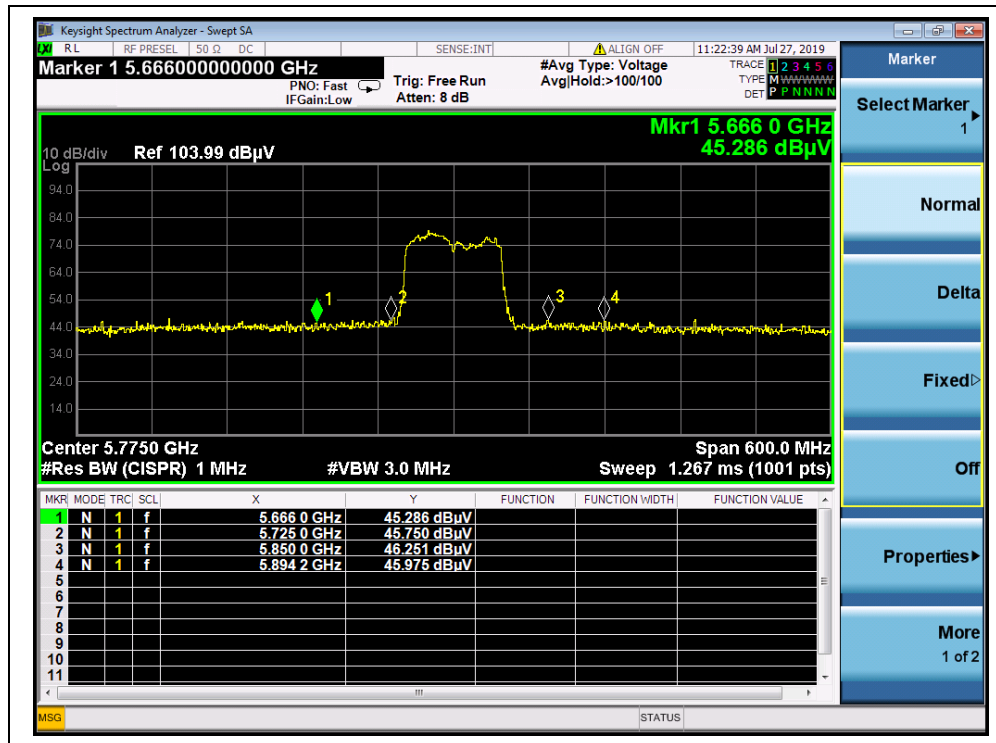
(Channel 106, AVG, 802.11ac (VHT80))



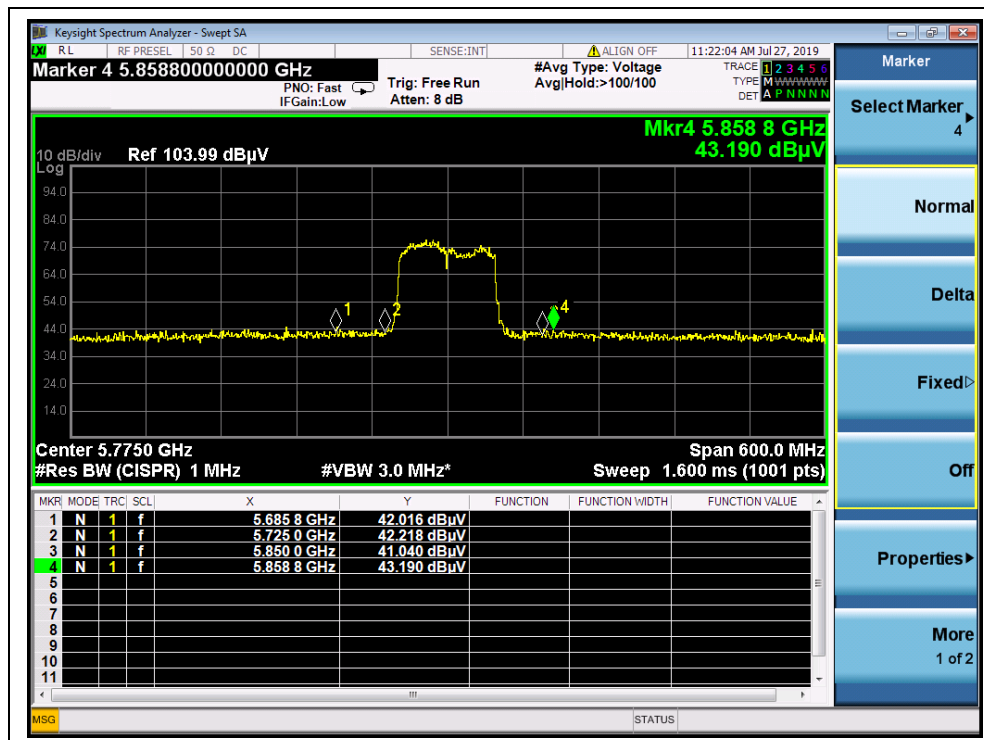
(Channel 138, PEAK, 802.11ac (VHT80))



(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

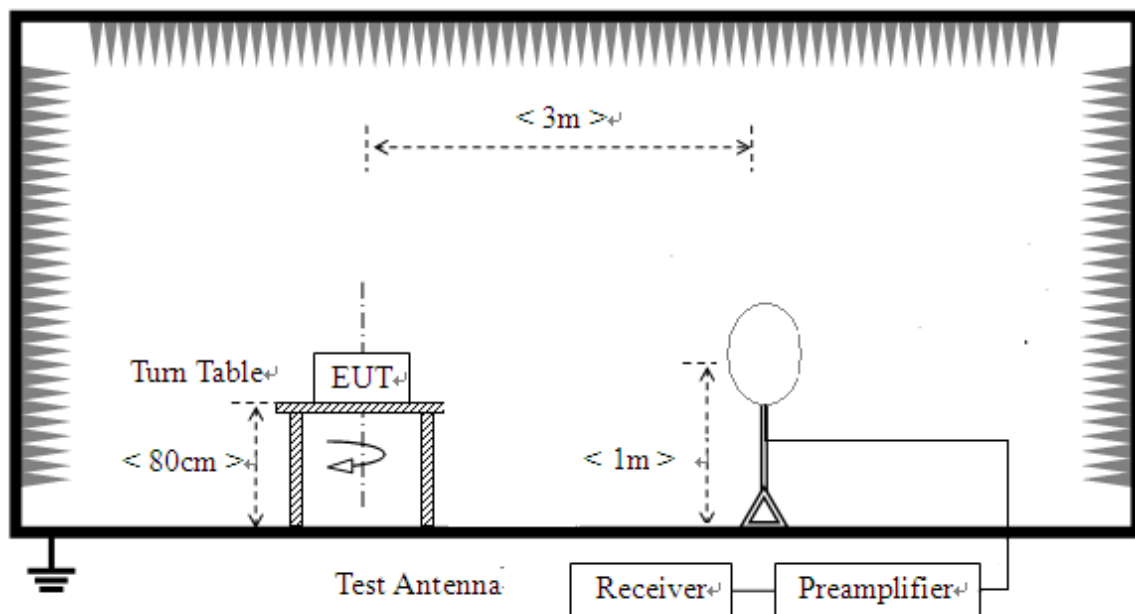
Note:

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.

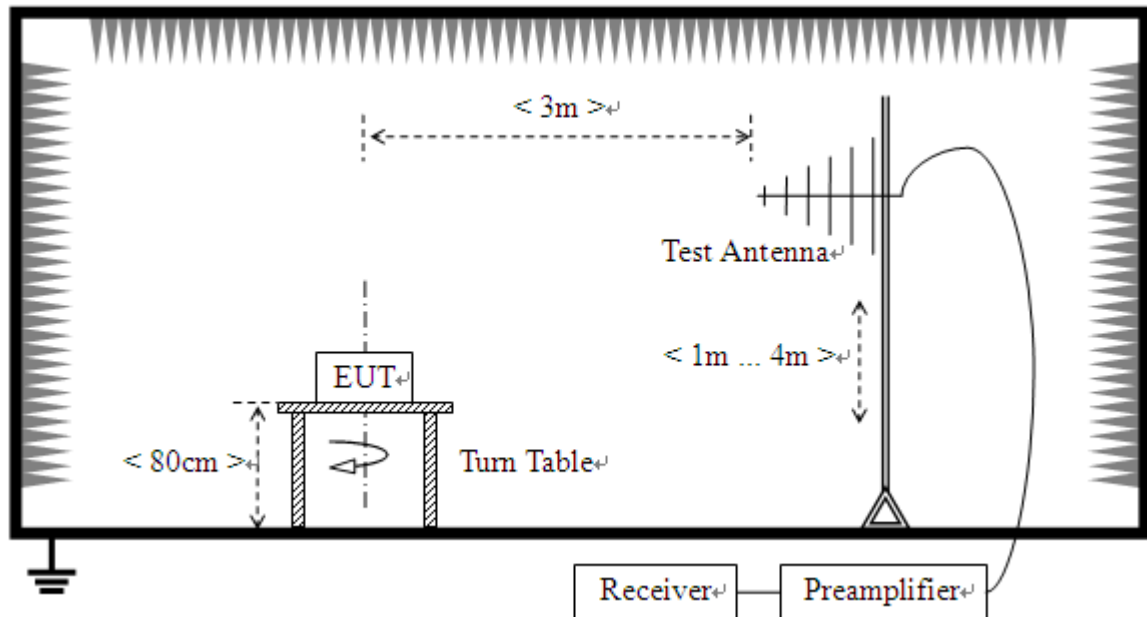
In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table)

2.9.2. Test Description
A. Test Setup:

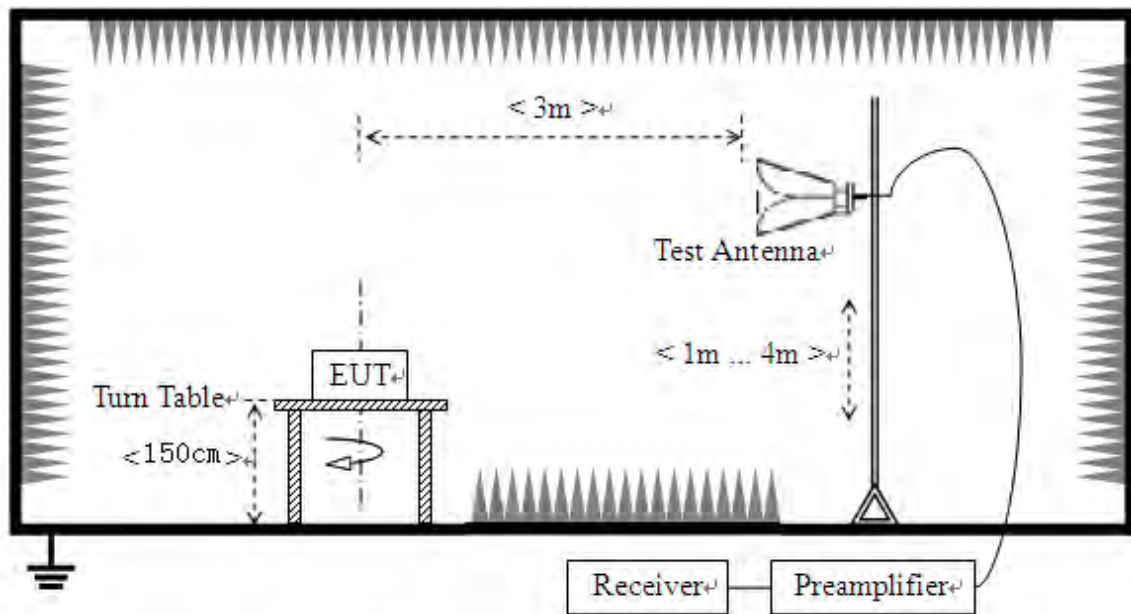
- 1) For radiated emissions from 9kHz to 30MHz



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

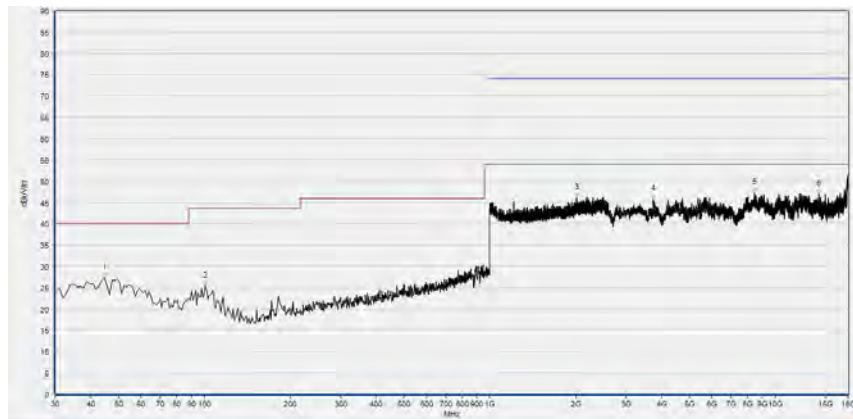
A_{Factor} : Antenna Factor at 3m

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.

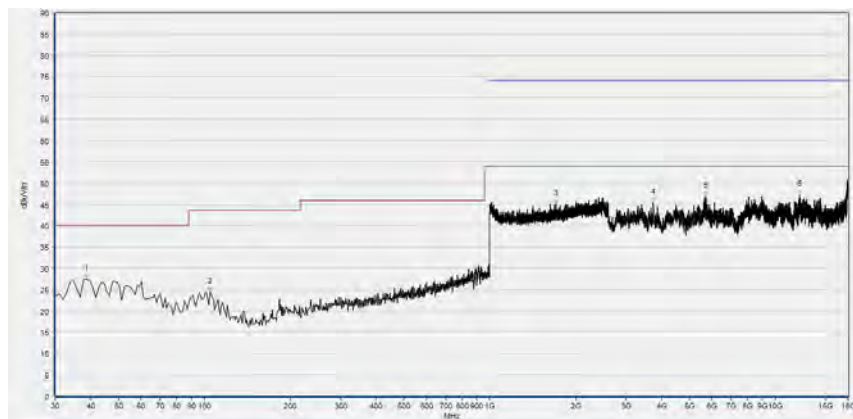
Note2: For the frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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
44.565	27.32	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
100.881	25.26	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2008.870	46.16	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
3742.909	45.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8450.090	47.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14244.729	46.95	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

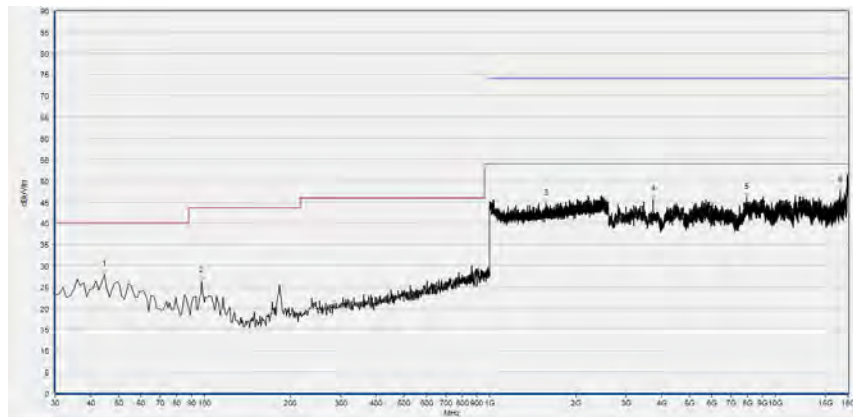


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
38.739	27.44	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
104.765	24.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1709.036	45.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3739.828	45.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5711.422	46.96	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12143.749	47.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

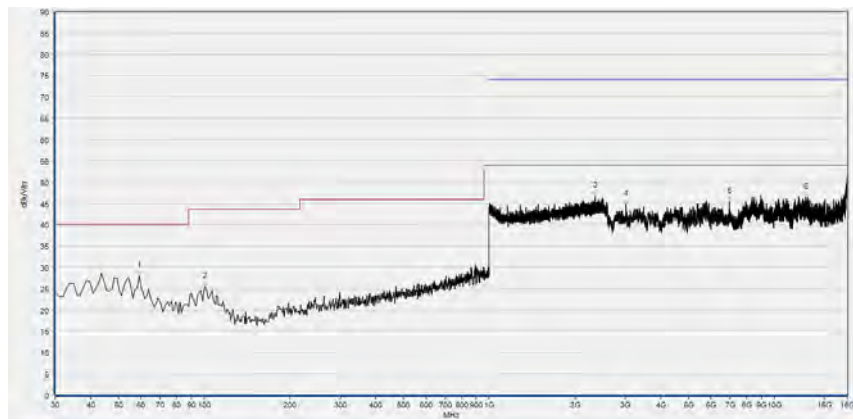


Plots for Channel = 44



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
44.565	27.77	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
97.968	26.25	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1575.659	44.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3733.667	45.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7951.030	46.13	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
16884.817	47.73	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

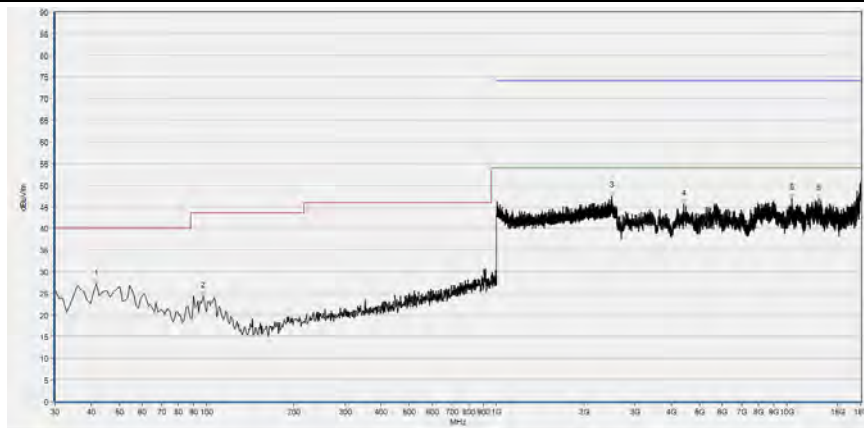


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
59.129	28.05	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
100.881	25.42	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2348.183	46.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3015.883	44.78	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
6962.152	45.42	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12883.097	46.48	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

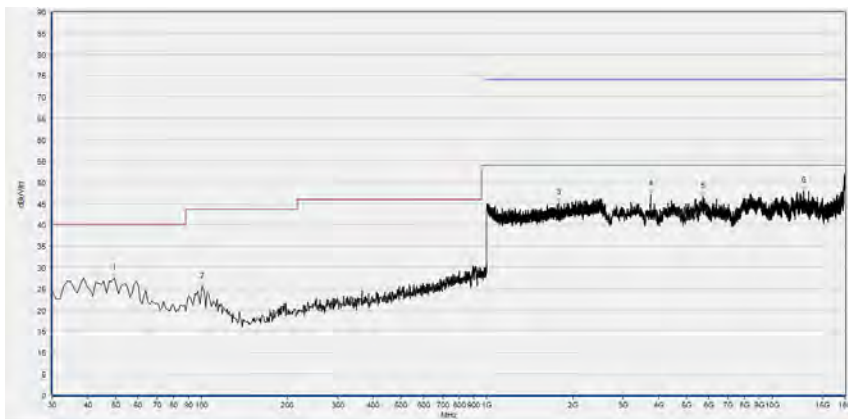


Plot for Channel = 48



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
41.652	27.11	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
96.997	24.28	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2493.298	47.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4405.241	45.56	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
10427.846	46.93	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12901.580	46.74	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

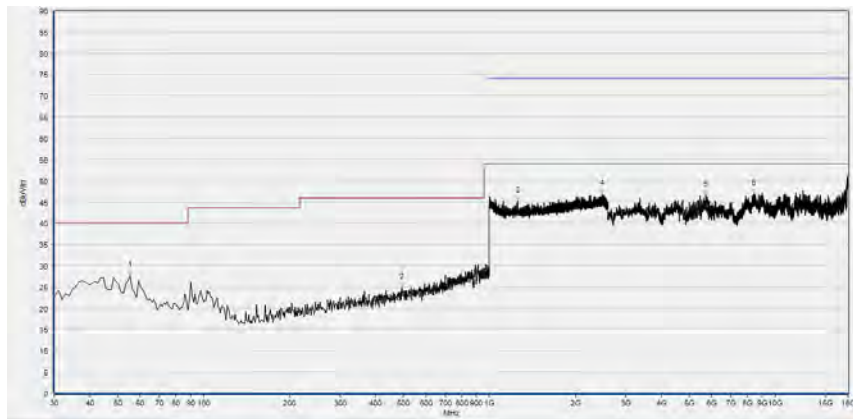
(Antenna Horizontal, 30MHz to 25GHz)



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
49.419	27.44	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
100.881	25.52	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1789.063	45.11	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
3745.989	47.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5705.261	46.65	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12901.580	47.89	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

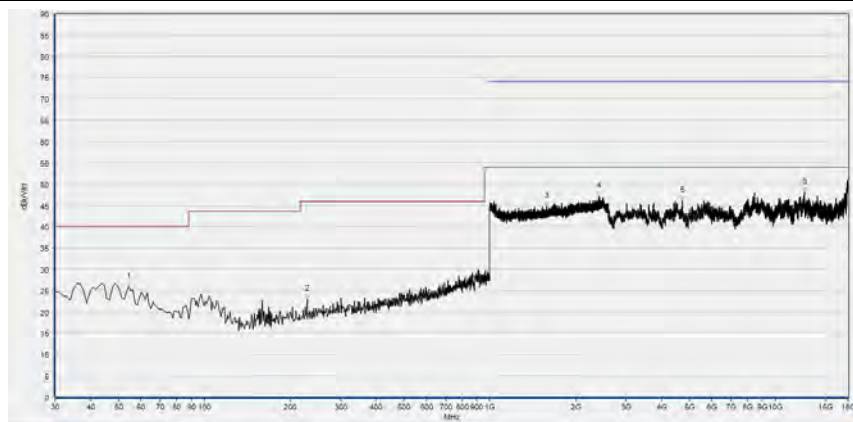
(Antenna Vertical, 30MHz to 25GHz)

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
55.245	27.66	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
495.095	24.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1258.219	45.19	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
2475.158	46.96	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5720.664	46.57	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8434.687	46.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

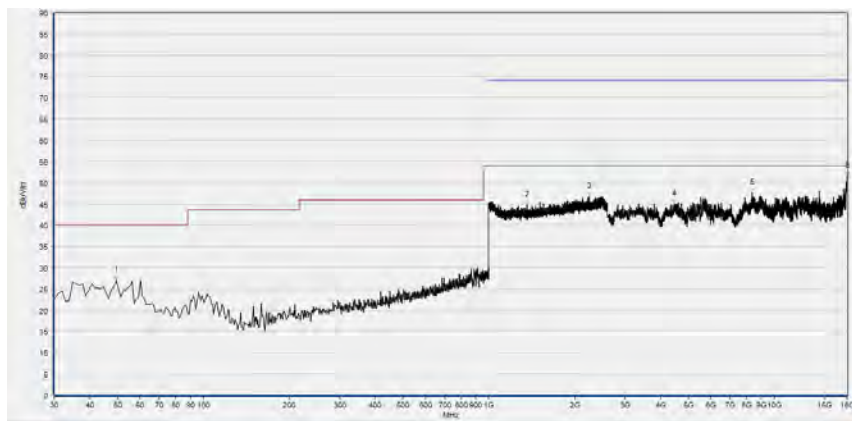
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
54.274	25.99	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
229.049	22.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1583.128	44.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2405.802	47.06	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4731.786	46.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12630.486	48.13	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

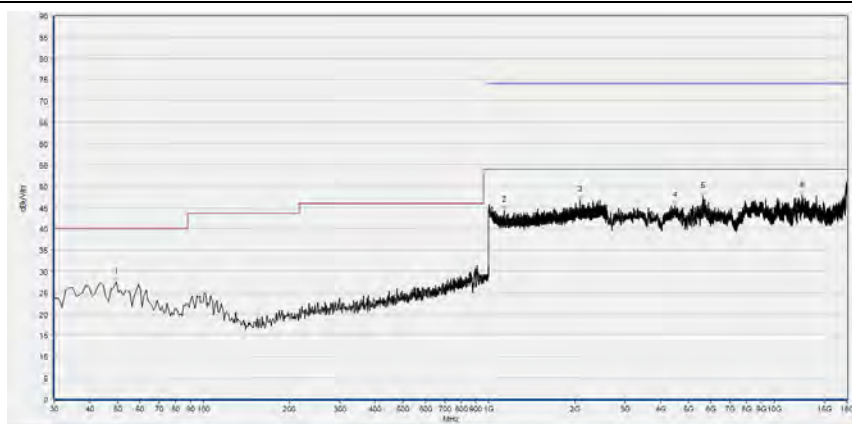
(Antenna Vertical, 30MHz to 25GHz)

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
49.419	27.03	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1357.986	44.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2248.416	46.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4457.612	45.00	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8363.833	47.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
17963.033	51.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

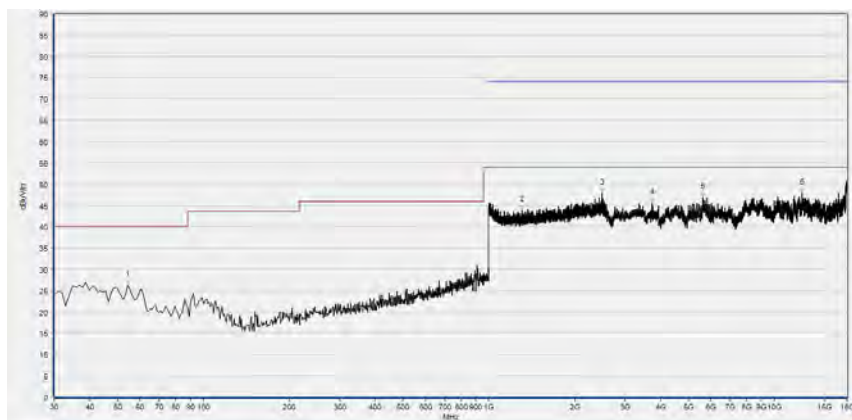


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.419	27.53	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1129.643	44.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2084.628	46.68	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4494.579	45.38	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5634.407	47.58	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12531.906	47.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

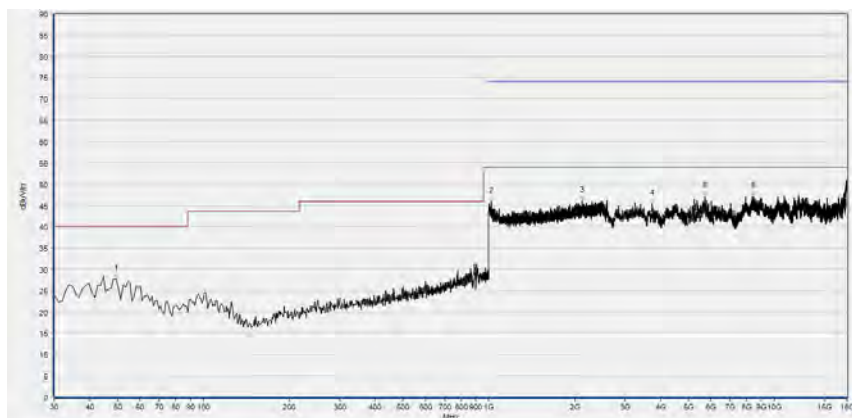


Plot for Channel = 64



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
54.274	26.31	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1307.302	43.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2496.499	47.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3739.828	45.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5622.084	46.95	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12513.423	48.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

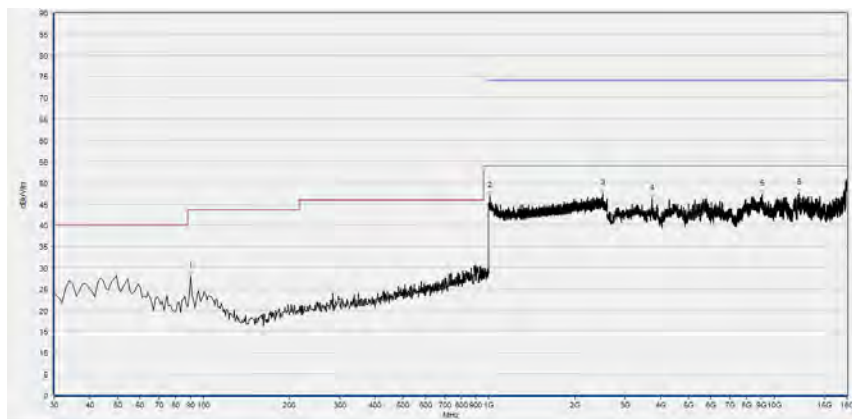
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.419	27.73	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1020.273	45.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2124.108	46.13	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
3733.667	45.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5720.664	47.04	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8440.848	47.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

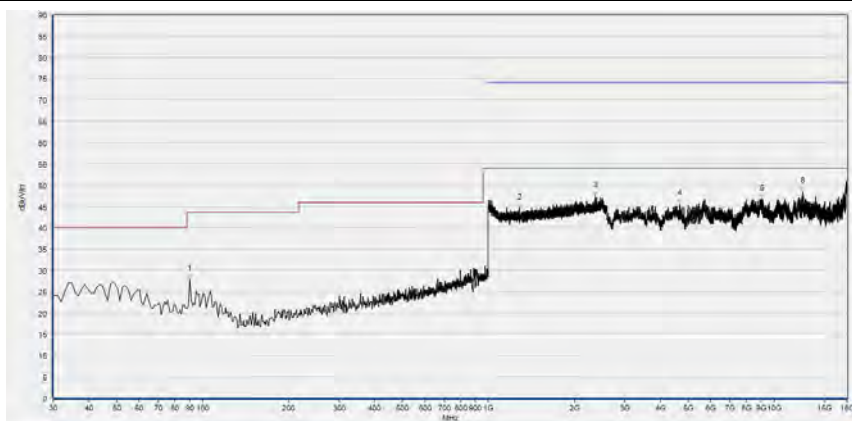
(Antenna Vertical, 30MHz to 25GHz)

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
90.200	27.96	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1010.137	46.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2509.303	47.37	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
3736.747	46.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9050.810	47.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12257.732	47.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

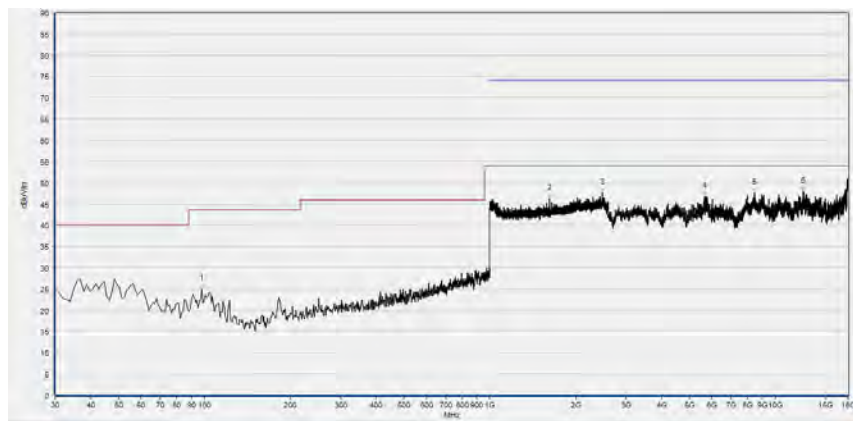
(Antenna Horizontal, 30MHz to 25GHz)



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
90.200	27.90	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1287.563	44.61	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
2365.255	47.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4664.013	45.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9047.730	46.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12559.632	48.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

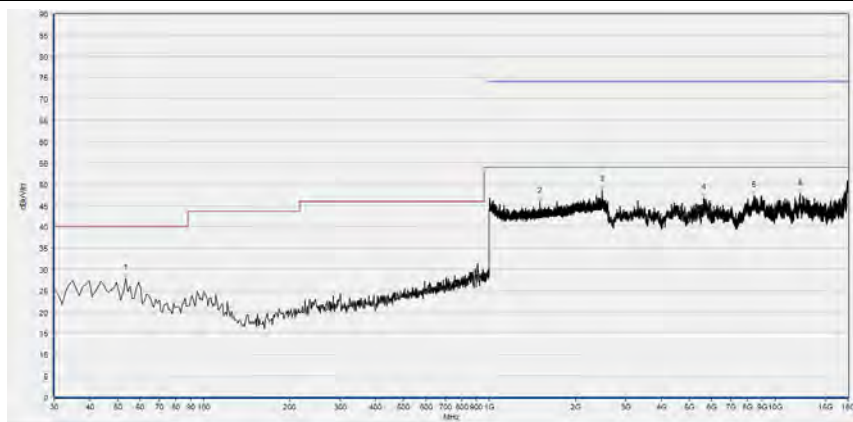
(Antenna Vertical, 30MHz to 25GHz)

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
97.968	24.89	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1618.873	46.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2479.426	47.65	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5637.487	46.75	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8447.009	47.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12525.745	47.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

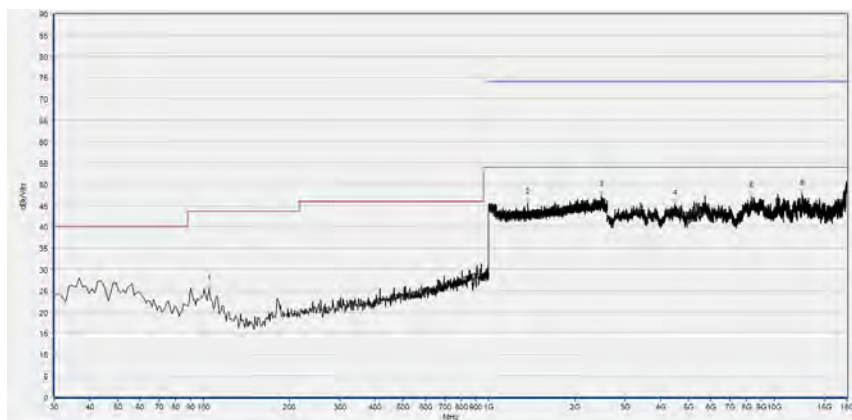


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
53.303	27.76	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1503.635	45.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2479.960	48.61	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5625.165	46.83	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8434.687	47.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12230.006	47.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

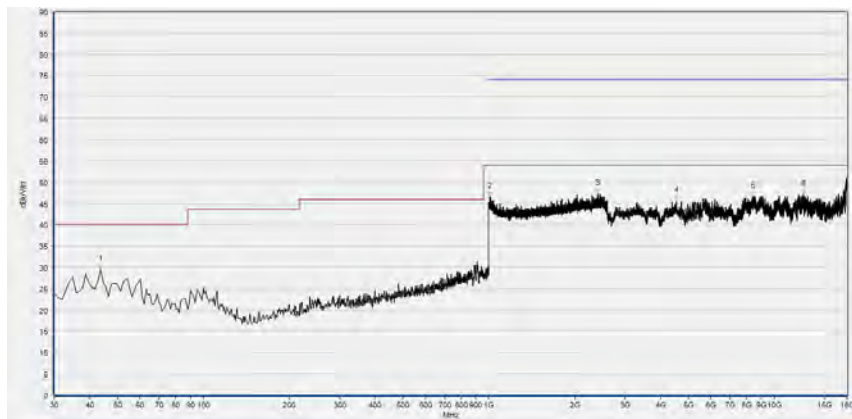


Plot for Channel = 144



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
104.765	25.23	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1372.924	45.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2479.960	47.41	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4476.095	45.38	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8320.704	47.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12491.858	47.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

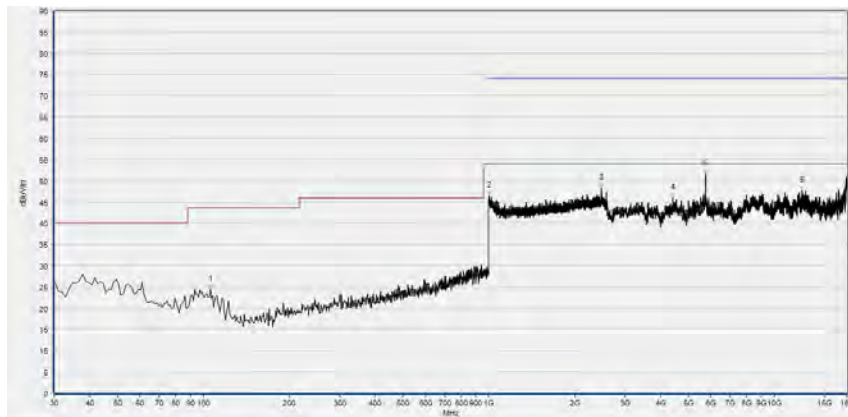
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
43.594	29.45	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1007.469	46.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2413.271	47.23	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4531.546	45.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8419.284	46.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12648.970	47.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

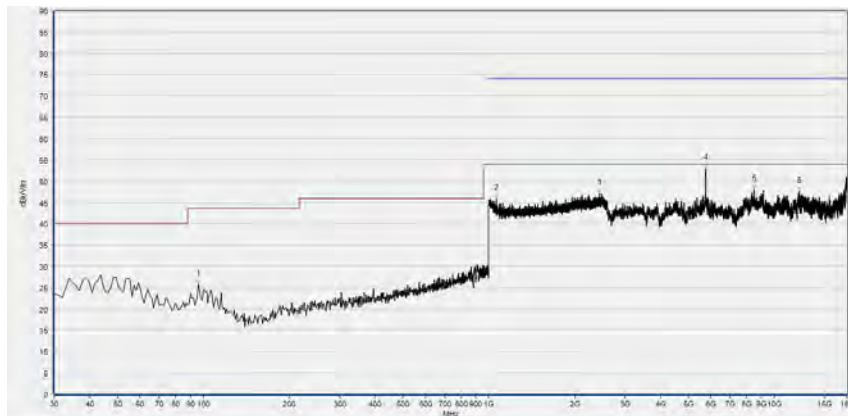
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 149



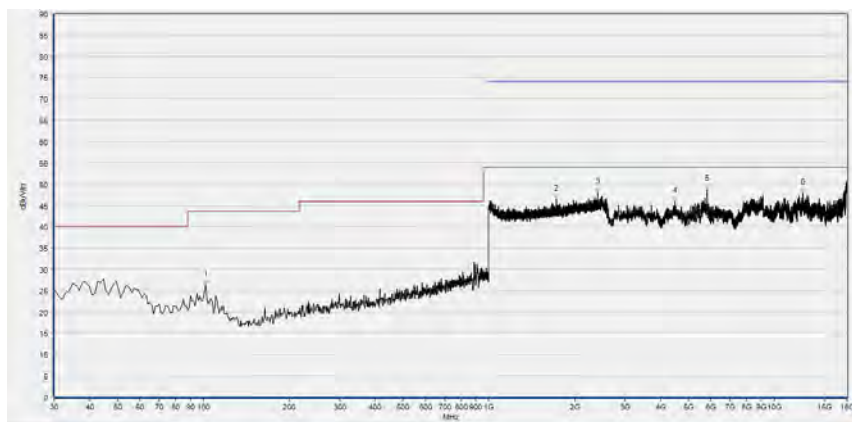
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	24.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1004.268	46.47	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2481.027	48.19	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4417.564	45.85	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5745.309	51.59	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12501.100	47.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)



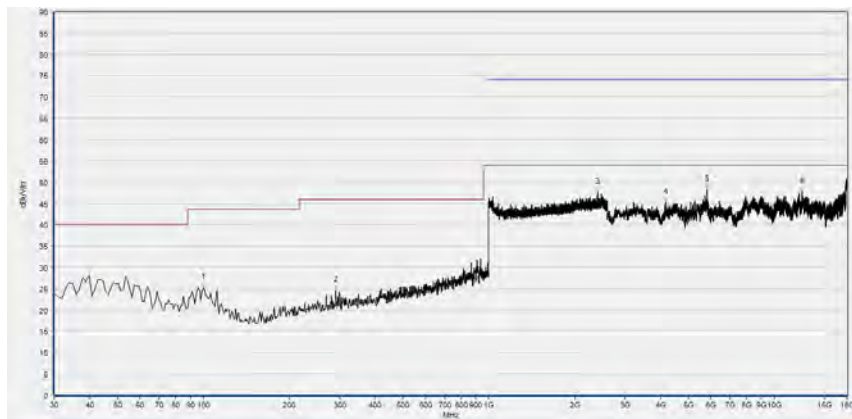
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.026	25.73	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1062.421	45.98	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2433.011	47.12	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5745.309	53.00	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8520.944	48.05	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12251.570	47.59	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
101.852	26.33	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1727.709	46.37	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
2402.601	48.14	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4479.176	45.93	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5816.163	48.80	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12608.922	47.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

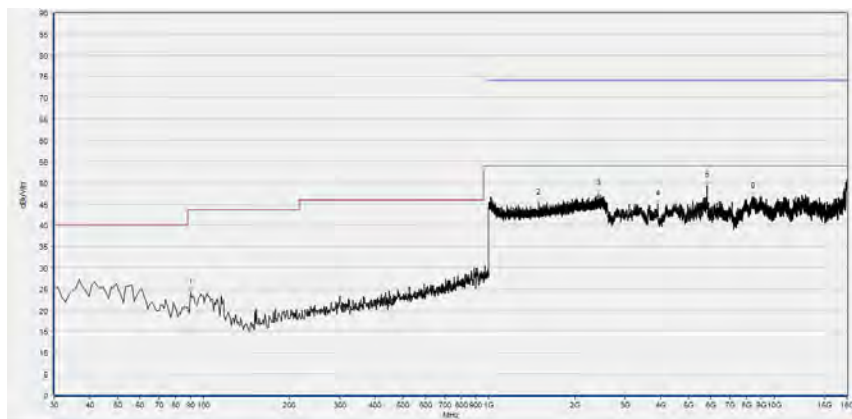
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	25.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
291.191	24.57	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2403.134	47.58	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4171.114	45.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5819.244	48.25	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12519.584	47.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

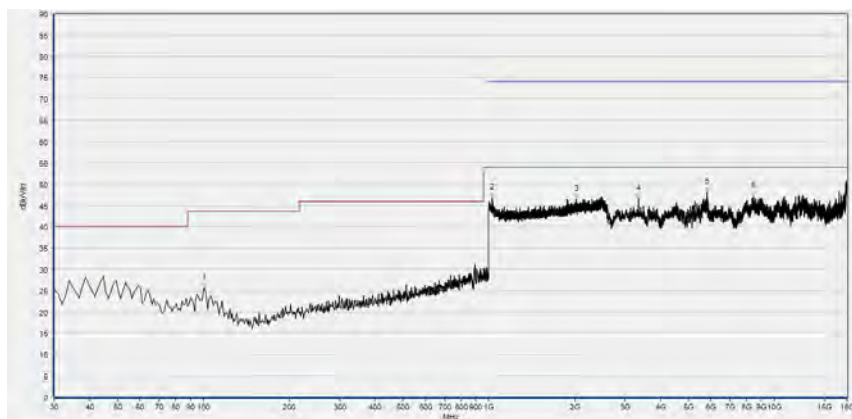
(Antenna Vertical, 30MHz to 25GHz)

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
90.200	24.05	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1497.232	45.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2421.807	47.43	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
3900.020	44.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5819.244	49.23	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8434.687	46.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

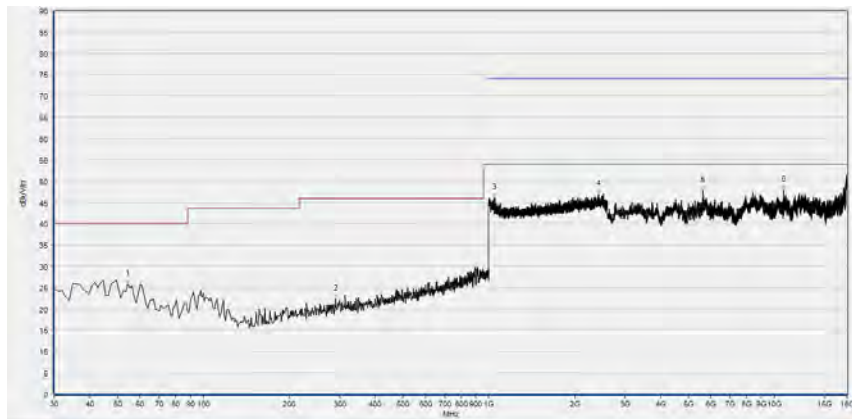


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	25.57	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1028.810	46.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2024.875	46.43	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
3342.428	46.51	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5822.324	48.14	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8447.009	47.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

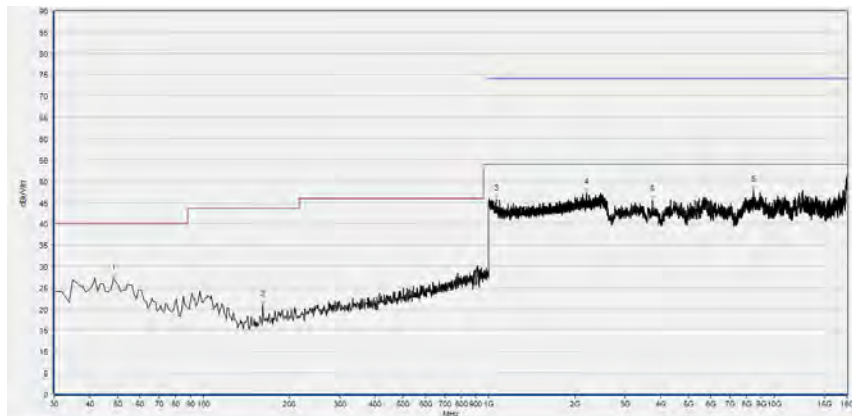
**802.11n (HT20) Test mode**

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
54.274	25.88	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
291.191	22.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1042.681	46.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2417.006	46.91	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5634.407	47.83	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
10800.600	47.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

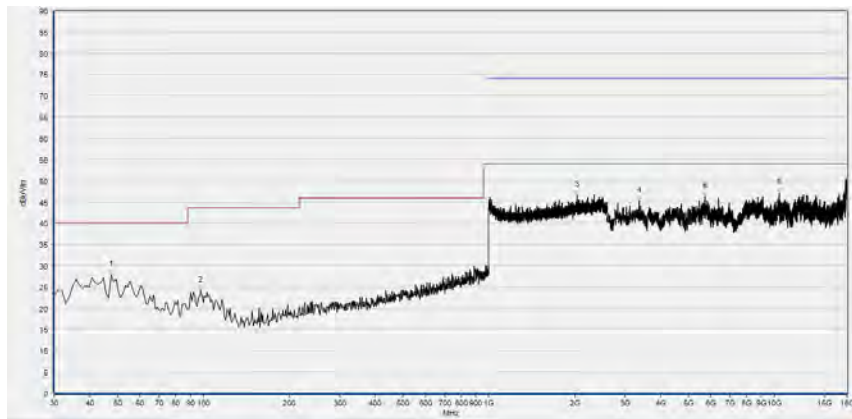
(Antenna Horizontal, 30MHz to 25GHz)



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
48.448	27.08	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
161.081	21.00	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1059.753	45.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2202.534	47.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3742.909	45.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8443.929	47.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

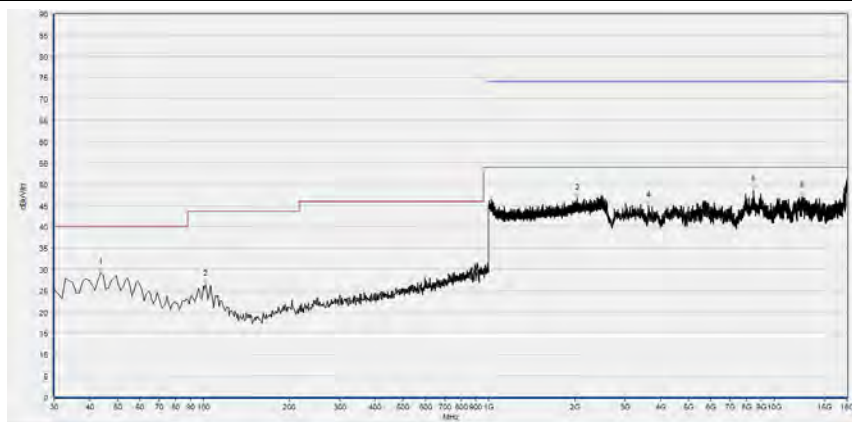
(Antenna Vertical, 30MHz to 25GHz)

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

(Antenna Horizontal, 30MHz to 25GHz)

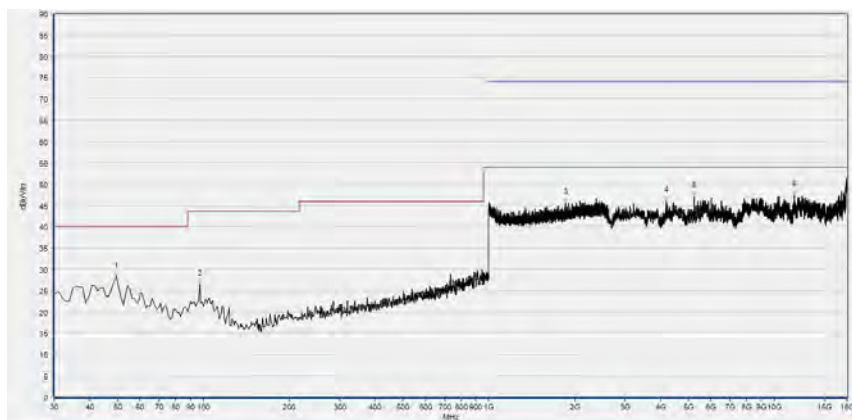


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
43.594	29.17	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
101.852	26.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2035.012	46.71	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
3622.765	44.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8440.848	48.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12491.858	47.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

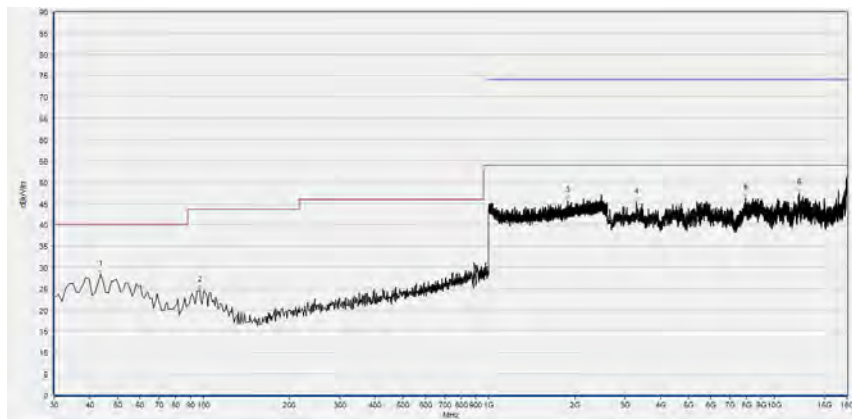


Plot for Channel = 48



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.419	28.34	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
96.997	26.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1862.688	45.59	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4177.275	46.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5249.330	47.14	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
11770.994	47.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

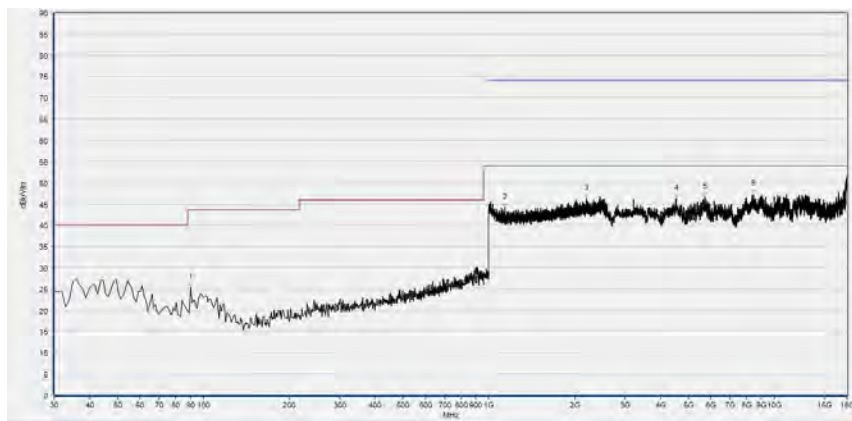
(Antenna Horizontal, 30MHz to 25GHz)



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

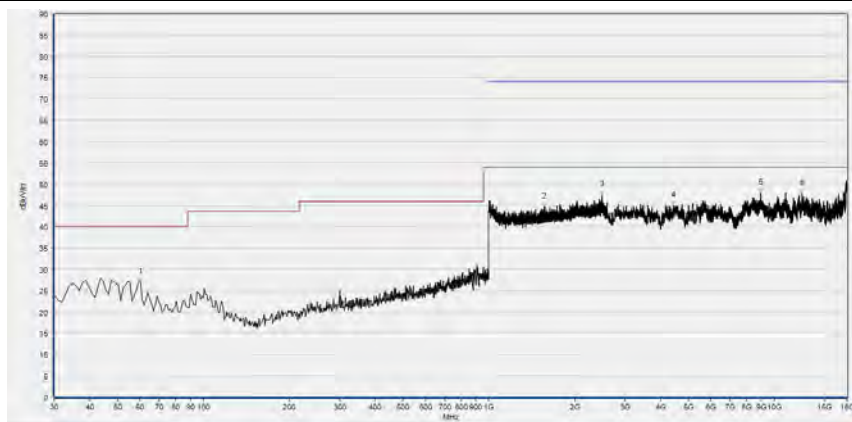
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 52



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
90.200	25.24	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1138.713	44.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2193.464	46.23	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4528.466	46.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5717.584	46.53	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8443.929	47.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

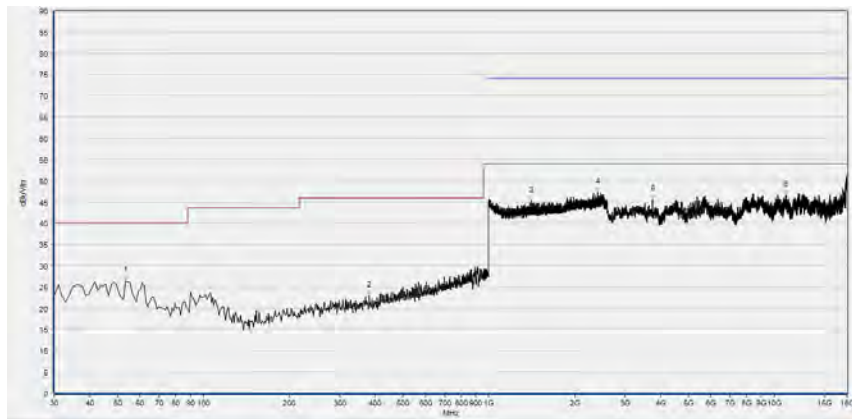
(Antenna Horizontal, 30MHz to 25GHz)



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
60.100	27.00	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1559.120	44.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2494.365	47.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4432.967	44.97	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8986.117	47.94	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12513.423	47.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

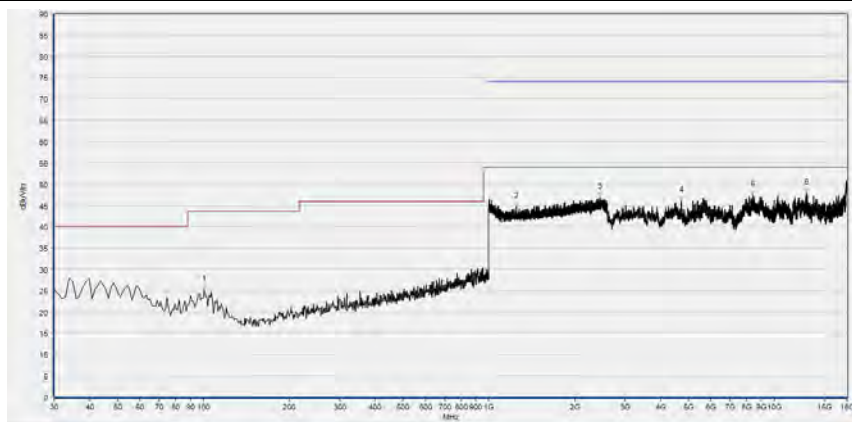
(Antenna Vertical, 30MHz to 25GHz)

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
53.303	26.49	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
381.491	22.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1409.203	45.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2406.869	47.18	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
3745.989	45.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10979.276	46.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

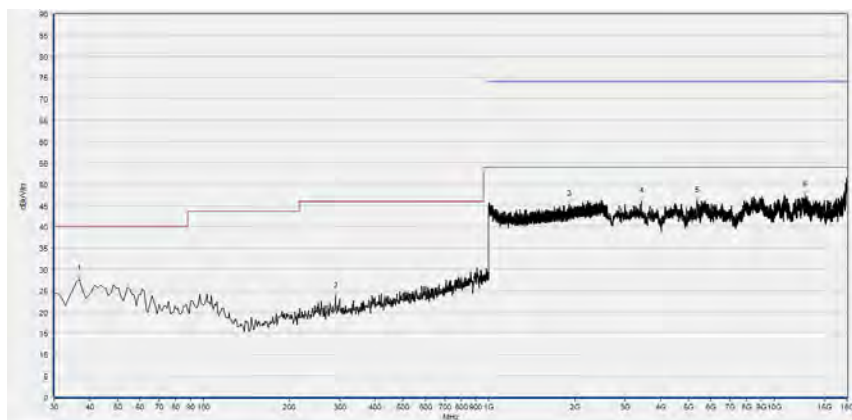


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	25.09	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1245.949	44.68	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
2457.553	46.95	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
4731.786	46.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8422.364	47.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12993.999	47.87	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 25GHz)

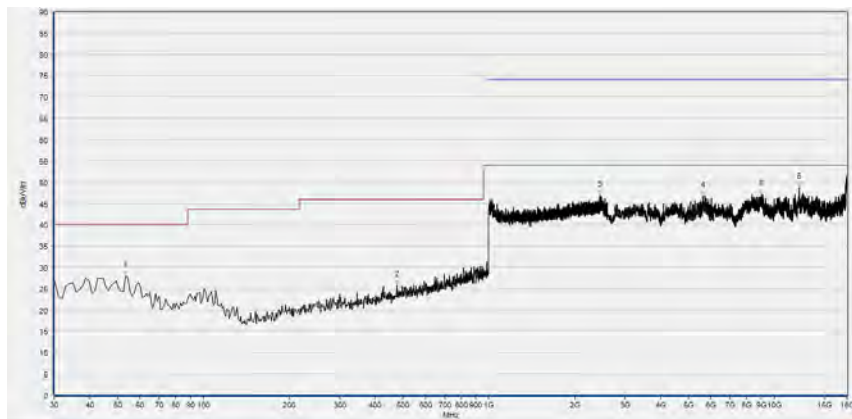


Plot for Channel = 64



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

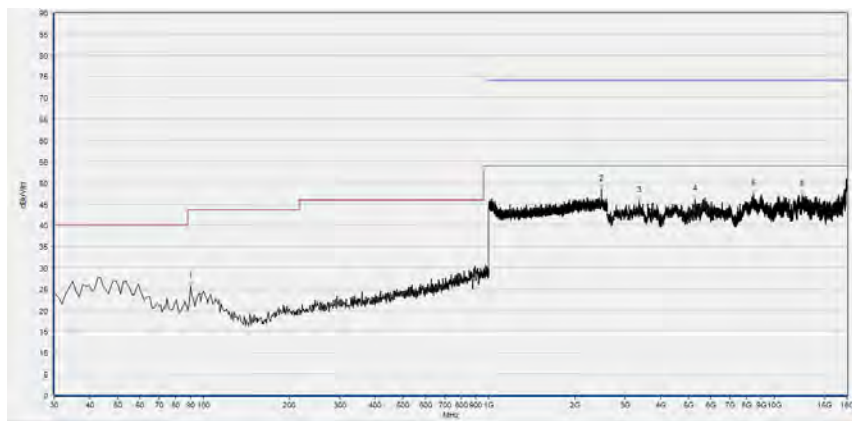
(Antenna Horizontal, 30MHz to 25GHz)



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

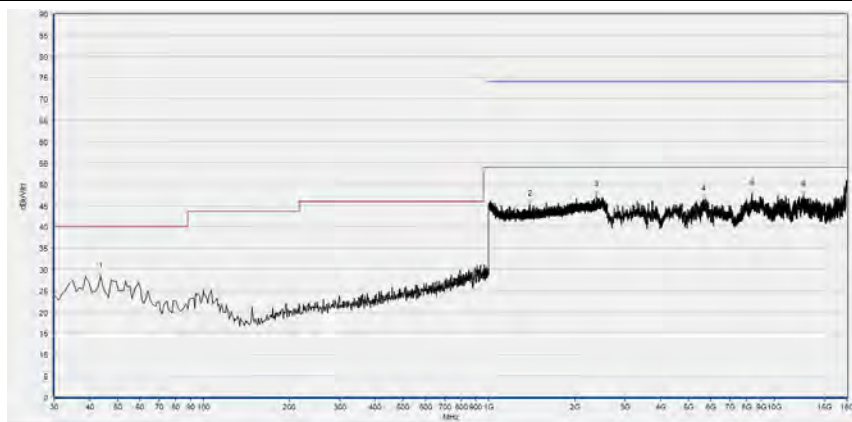
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 100



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
90.200	25.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2479.960	48.38	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
3363.993	45.68	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5273.975	46.07	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8474.735	47.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12534.987	47.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

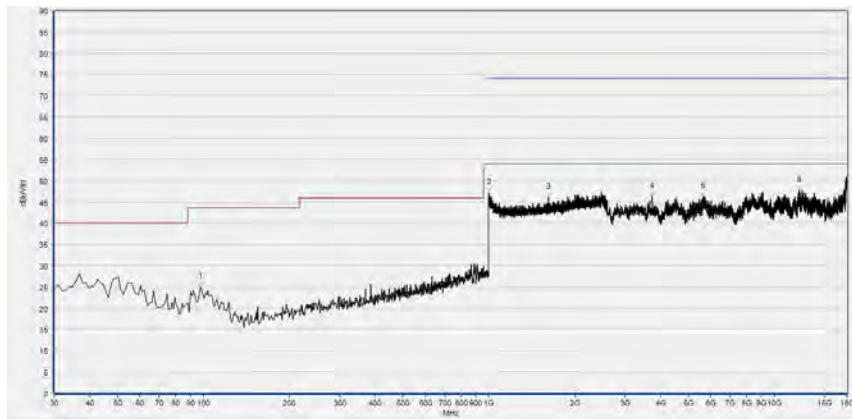
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
43.594	28.29	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1389.463	45.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2374.325	47.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5662.132	46.44	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8376.155	47.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12642.809	47.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

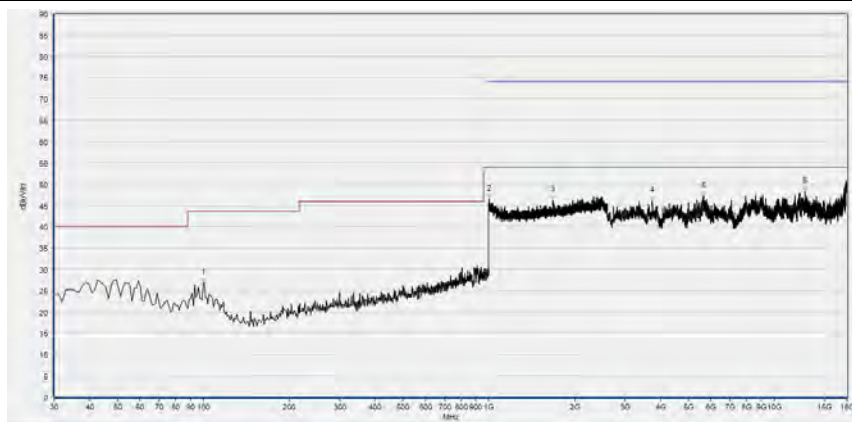
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 120



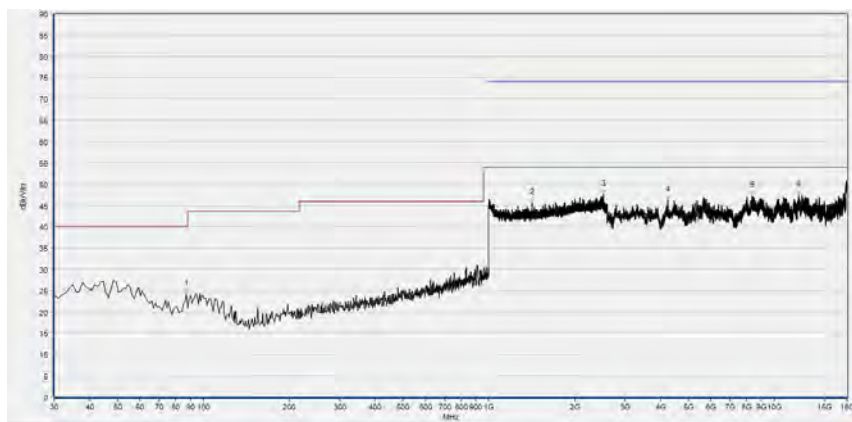
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	24.90	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1000.534	47.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1618.339	46.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3739.828	46.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5631.326	46.32	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12233.087	47.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)



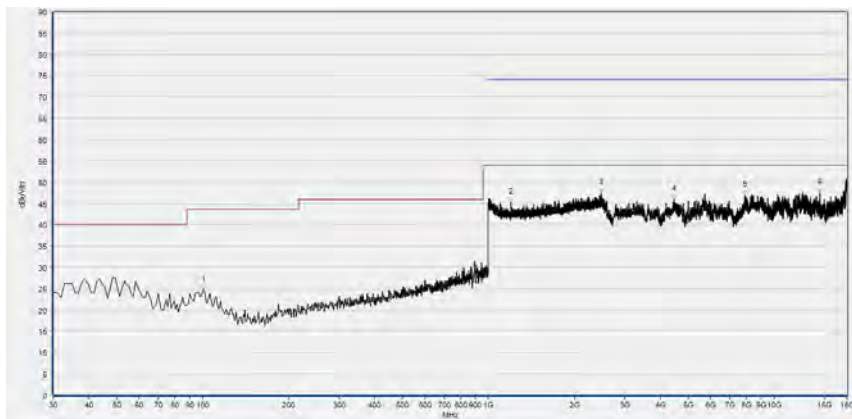
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	26.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1002.134	46.48	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1679.160	46.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3742.909	46.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5640.568	47.04	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12790.678	48.27	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
87.287	24.19	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1416.139	45.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2516.772	47.67	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4229.646	46.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8342.268	47.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12156.071	47.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

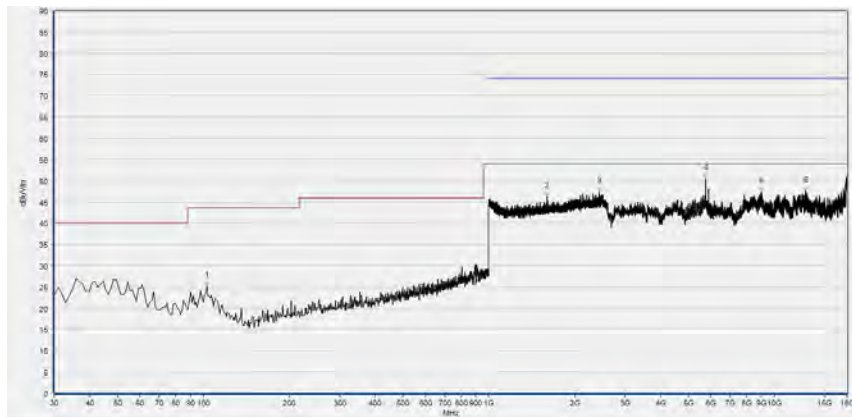
(Antenna Horizontal, 30MHz to 25GHz)



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

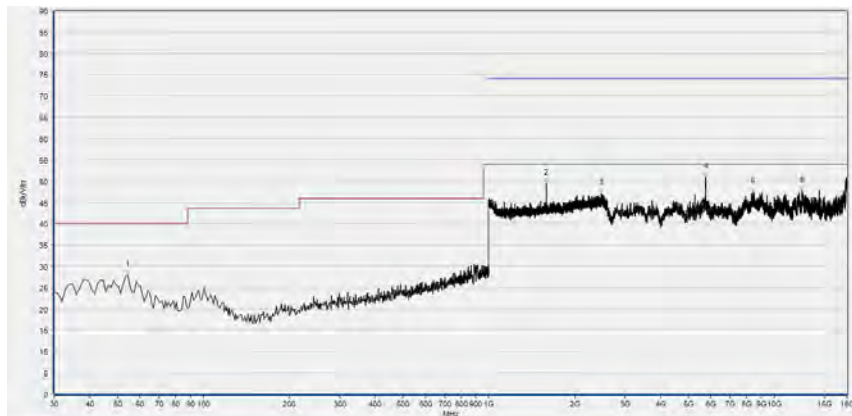
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 149



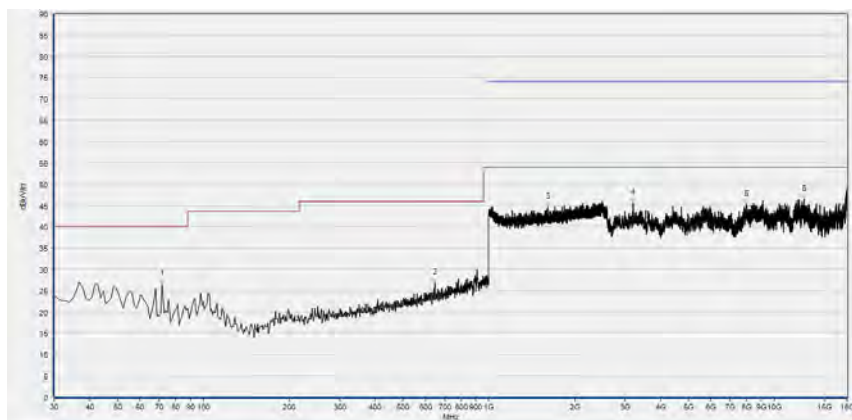
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	25.12	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1598.600	46.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2433.011	47.44	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5745.309	50.38	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
9029.246	47.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12889.258	47.65	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)



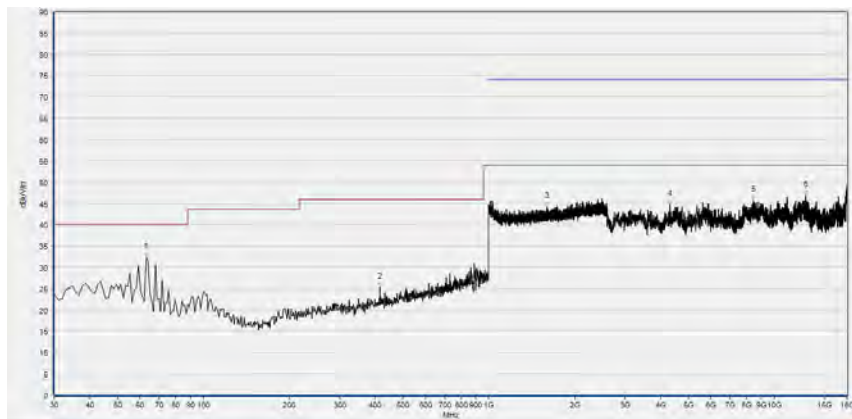
Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
54.274	27.93	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1592.731	49.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2479.960	47.14	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5748.390	50.95	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8397.720	47.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12522.665	47.71	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
71.752	26.51	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
647.538	26.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1606.602	44.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3203.801	45.56	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8003.401	45.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12704.421	46.43	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS

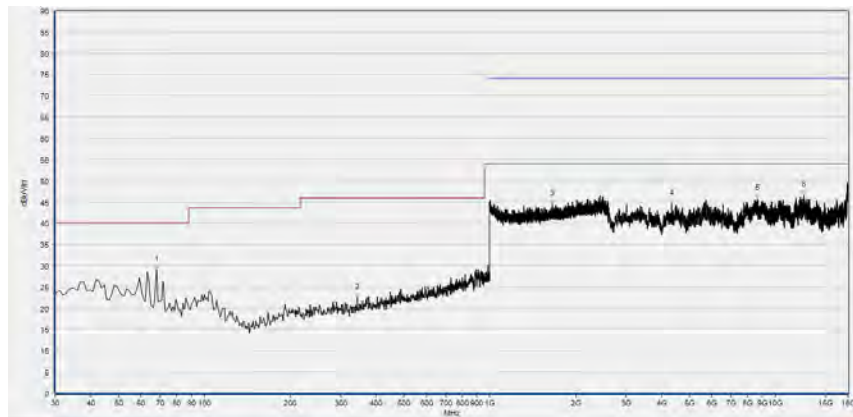
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
63.013	32.29	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
415.475	25.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1598.066	44.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4315.903	44.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8477.816	45.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12892.338	46.93	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

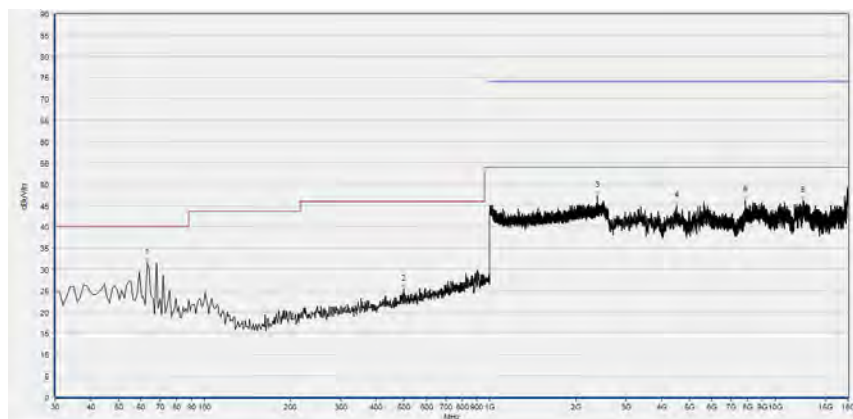
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 165



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
67.868	28.93	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
343.624	22.42	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1658.886	44.36	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4337.467	44.53	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8668.814	45.73	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12608.922	46.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)

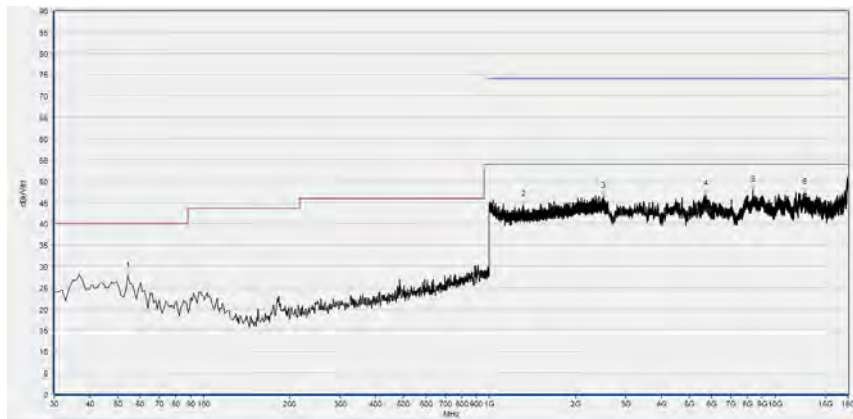


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
63.013	31.43	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
498.979	25.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2385.529	47.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4519.224	44.99	N/A	N/A	74.00	N/A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

(Antenna Vertical, 30MHz to 25GHz)

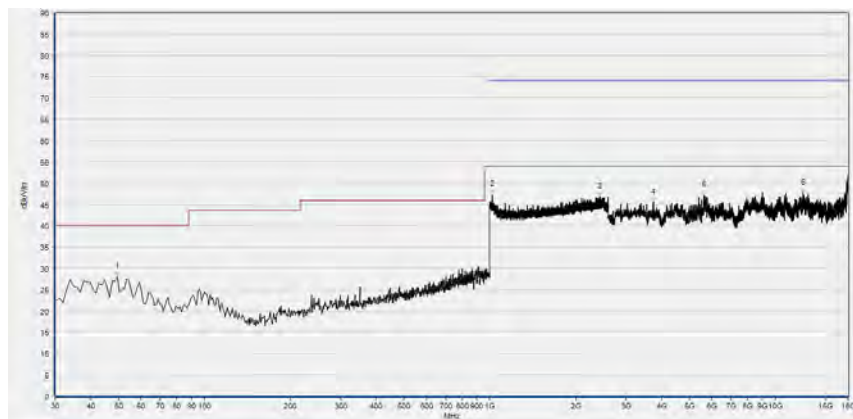
**802.11n (HT40) Test mode**

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
54.274	27.64	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1318.506	44.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2509.837	46.40	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
5732.987	46.95	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8379.236	47.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12630.486	47.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

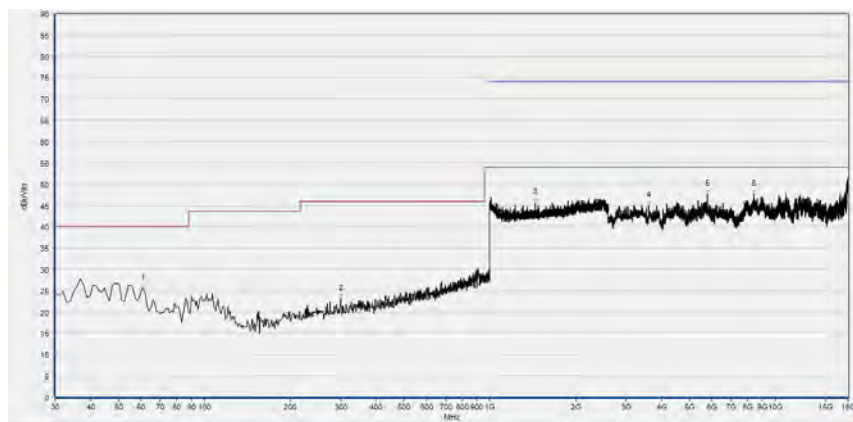
(Antenna Horizontal, 30MHz to 25GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.419	27.98	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1021.340	47.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2426.075	46.80	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
3739.828	45.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5625.165	47.05	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
12504.181	47.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

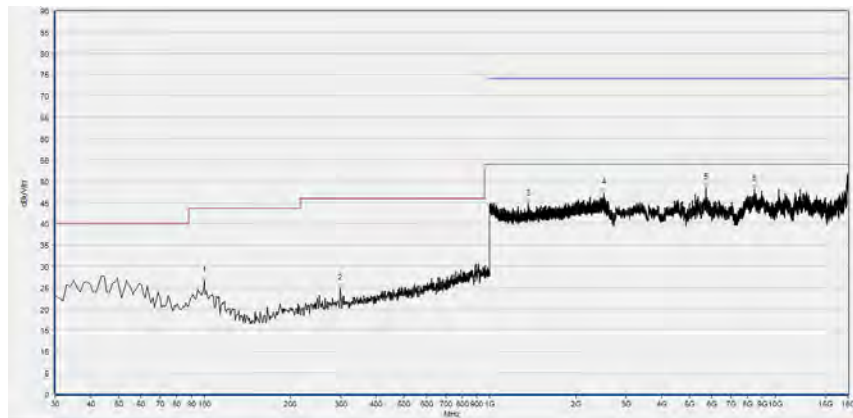
(Antenna Vertical, 30MHz to 25GHz)

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

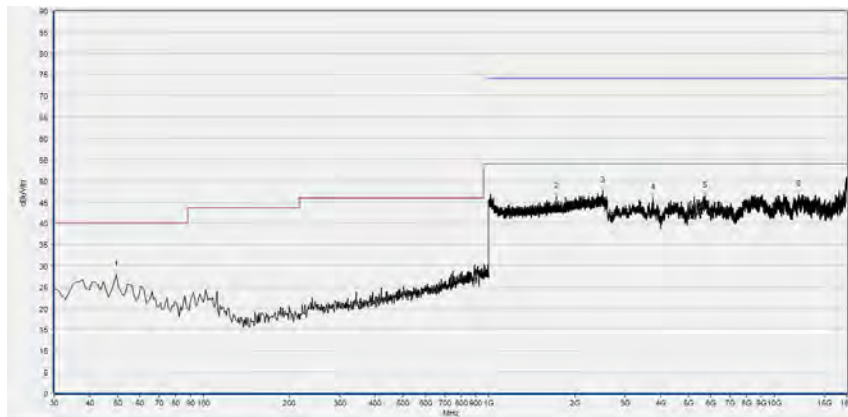
(Antenna Horizontal, 30MHz to 25GHz)



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

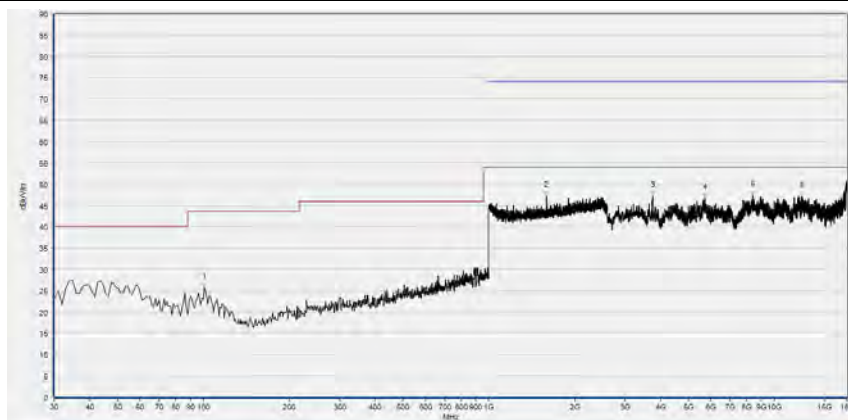
(Antenna Vertical, 30MHz to 25GHz)

Plots for Channel = 54



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
49.419	27.85	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1725.575	46.27	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
2503.434	47.53	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
3745.989	45.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5717.584	46.47	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12165.313	46.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

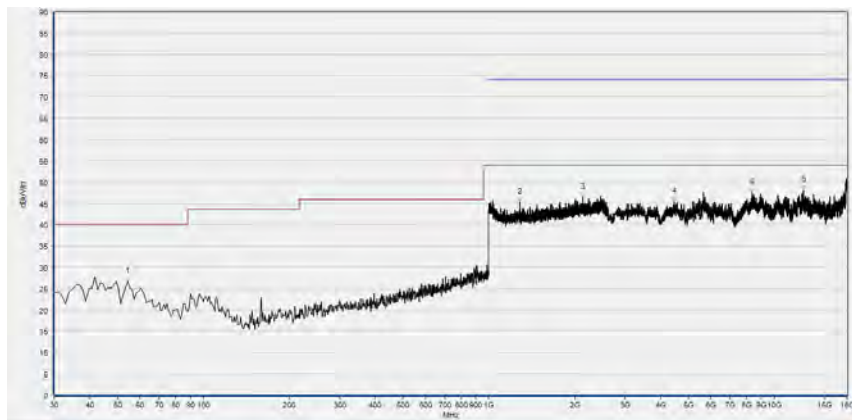
(Antenna Horizontal, 30MHz to 25GHz)



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
100.881	25.82	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1594.331	47.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3745.989	47.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5729.906	46.74	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8413.123	47.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12519.584	47.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

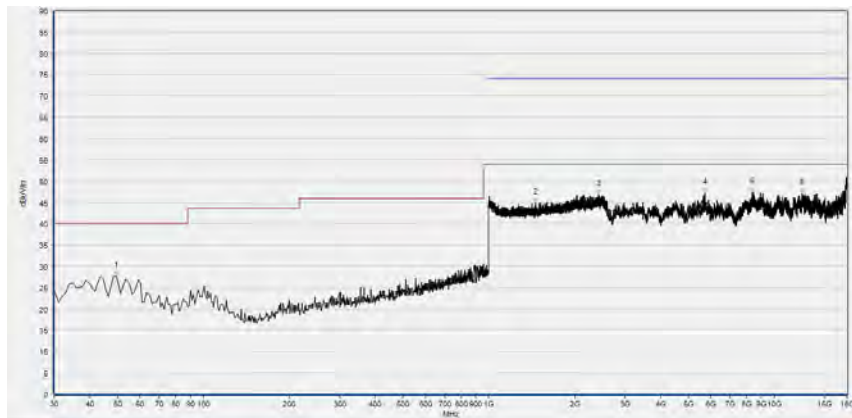
(Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 62



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
54.274	26.67	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
1285.962	45.20	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
2132.111	46.35	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
4454.531	45.48	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
8373.075	47.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12664.373	48.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 25GHz)



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

(Antenna Vertical, 30MHz to 25GHz)