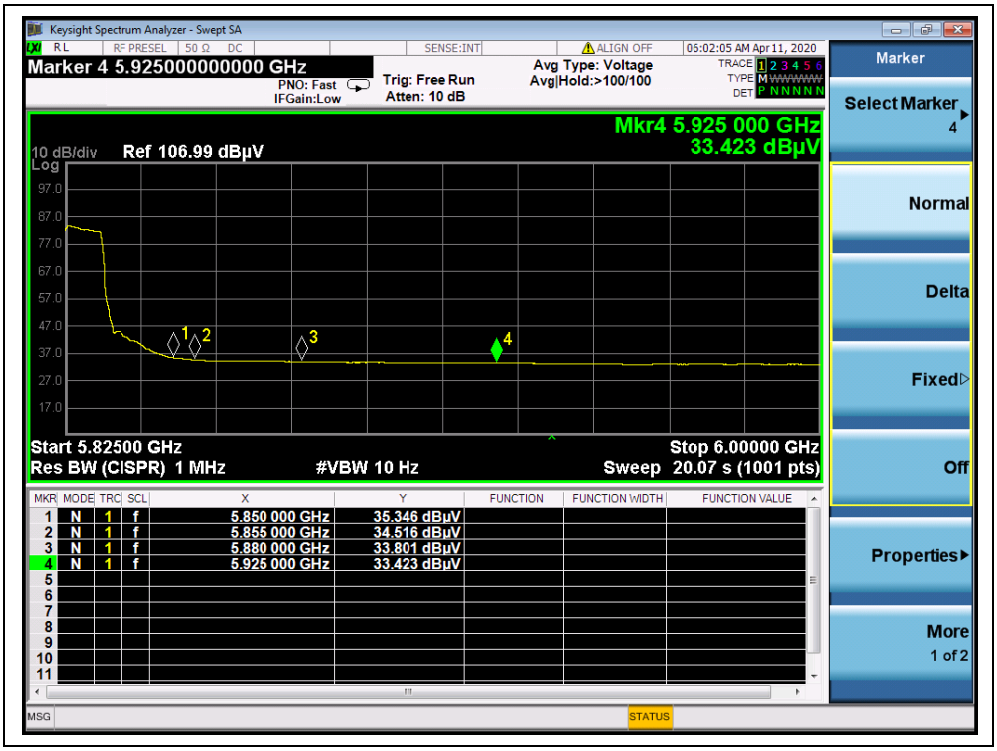
(PEAK,Channel165, 802.11a)



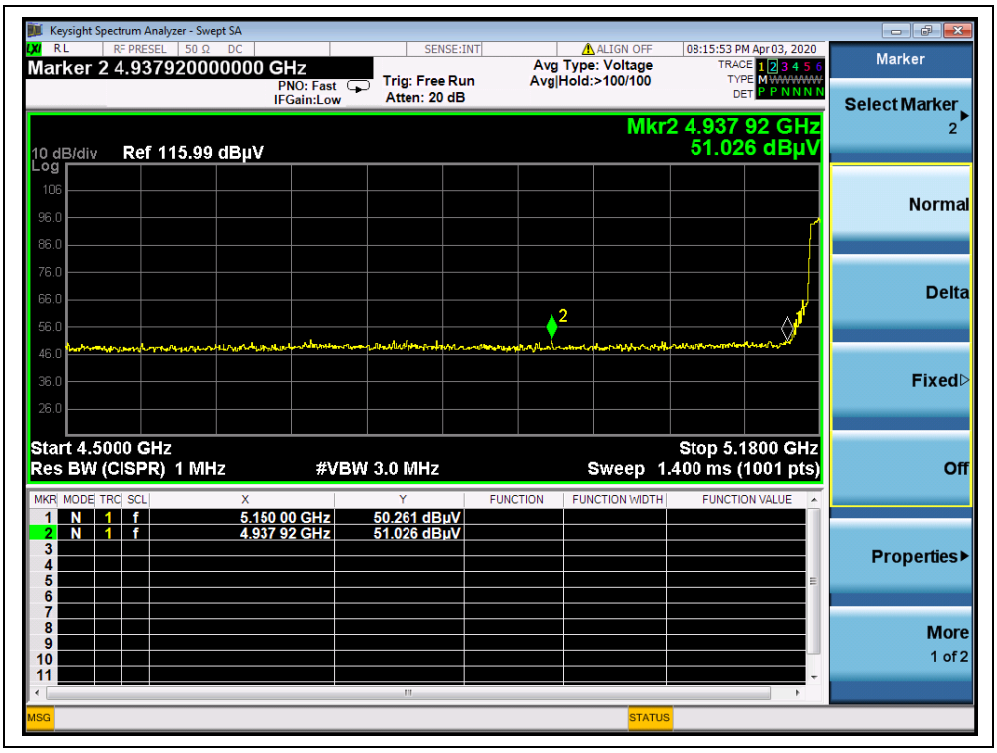
(AVG,Channel 165,802.11a)

802.11n (HT20) Test mode

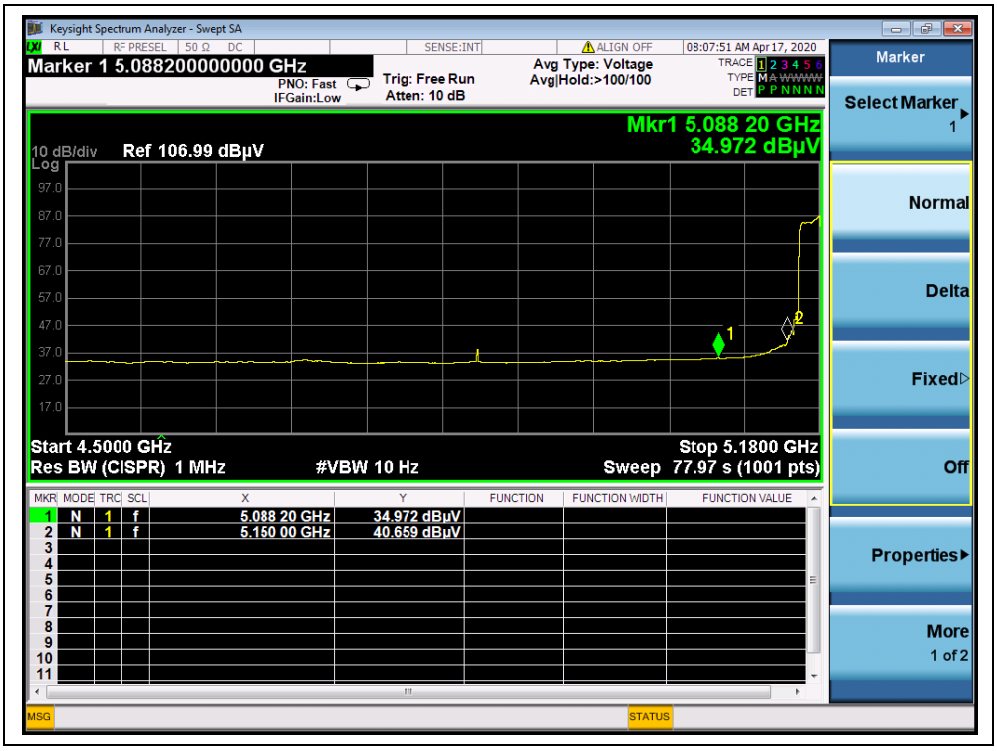
A. Test Verdict:

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						
36	4937.92	PK	51.03	-26.92	32.20	56.31	74	PASS
36	5150.00	AV	40.66	-26.92	32.20	45.94	54	PASS
64	5358.92	PK	43.75	-26.80	32.20	49.15	74	PASS
64	5350.00	AV	33.80	-26.80	32.20	39.2	54	PASS
100	5432.99	PK	44.38	-26.64	32.20	49.94	74	PASS
100	5470.00	AV	34.29	-26.64	32.20	39.85	54	PASS
144	5738.70	PK	46.61	-26.64	32.20	52.17	68.23	PASS
144	5749.80	AV	34.62	-26.64	32.20	40.18	54	PASS
149	5725.00	PK	50.02	-26.23	32.20	55.99	122.23	PASS
149	5725.00	AV	37.33	-26.23	32.20	43.3	54	PASS
165	5850.00	PK	47.22	-26.23	32.20	53.19	122.23	PASS
165	5850.00	AV	35.34	-26.23	32.20	41.31	54	PASS

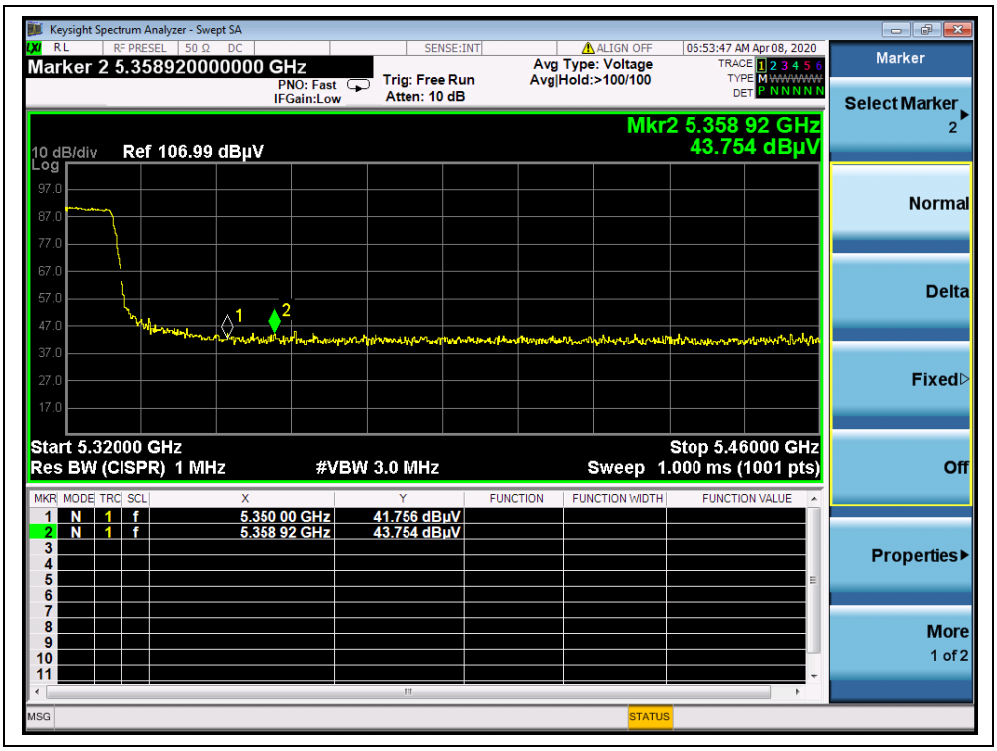
B. Test Plots:



(PEAK,Channel 36,802.11n (HT20))

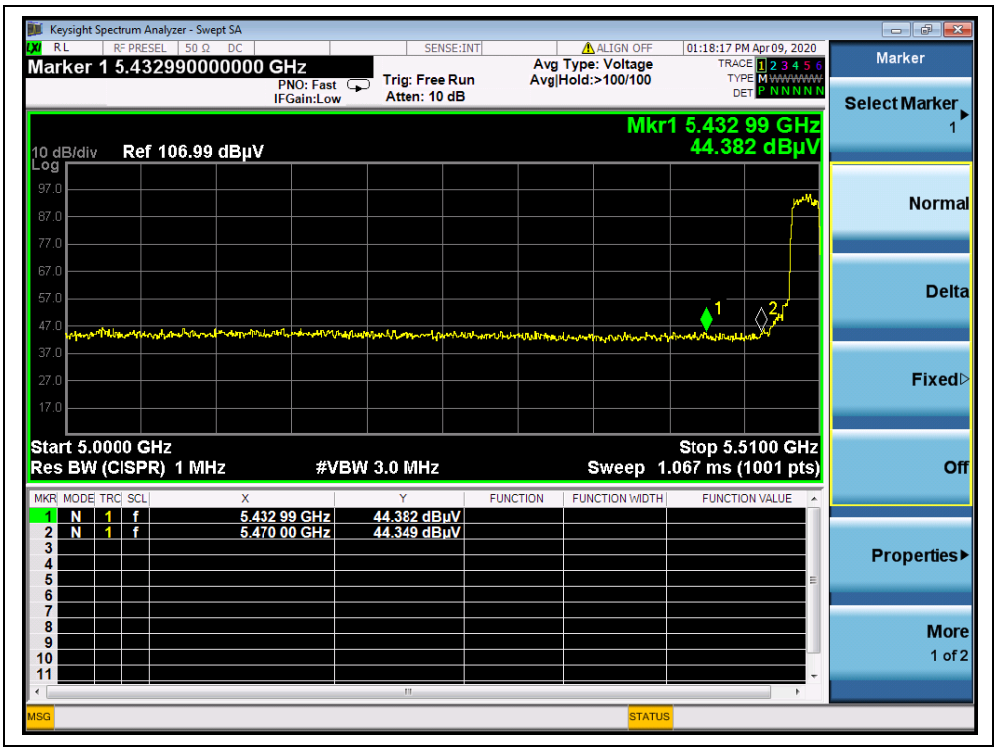


(AVG,Channel 36,802.11n (HT20))

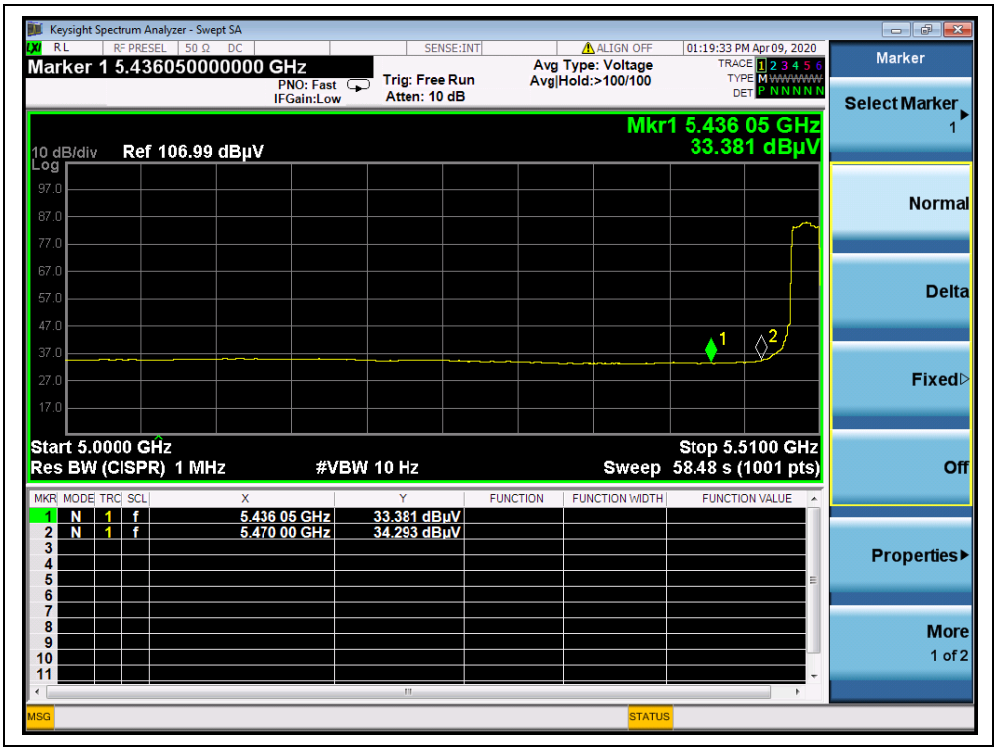


(PEAK,Channel 64, 802.11n (HT20))

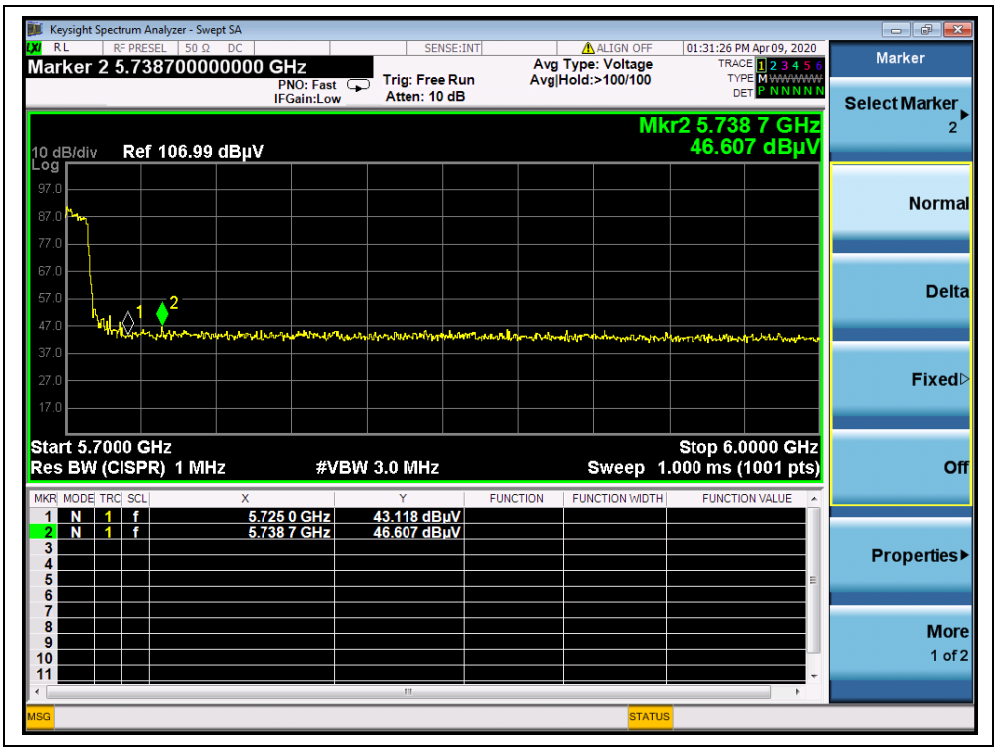
(AVG,Channel 64,802.11n (HT20))



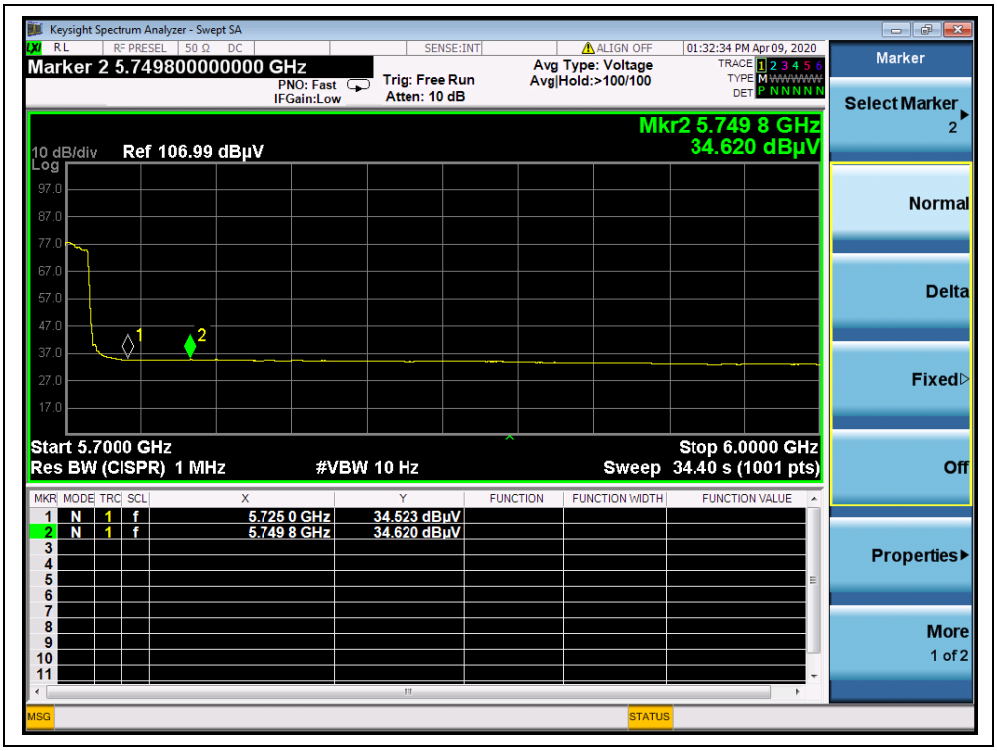
(PEAK,Channel 100, 802.11n (HT20))



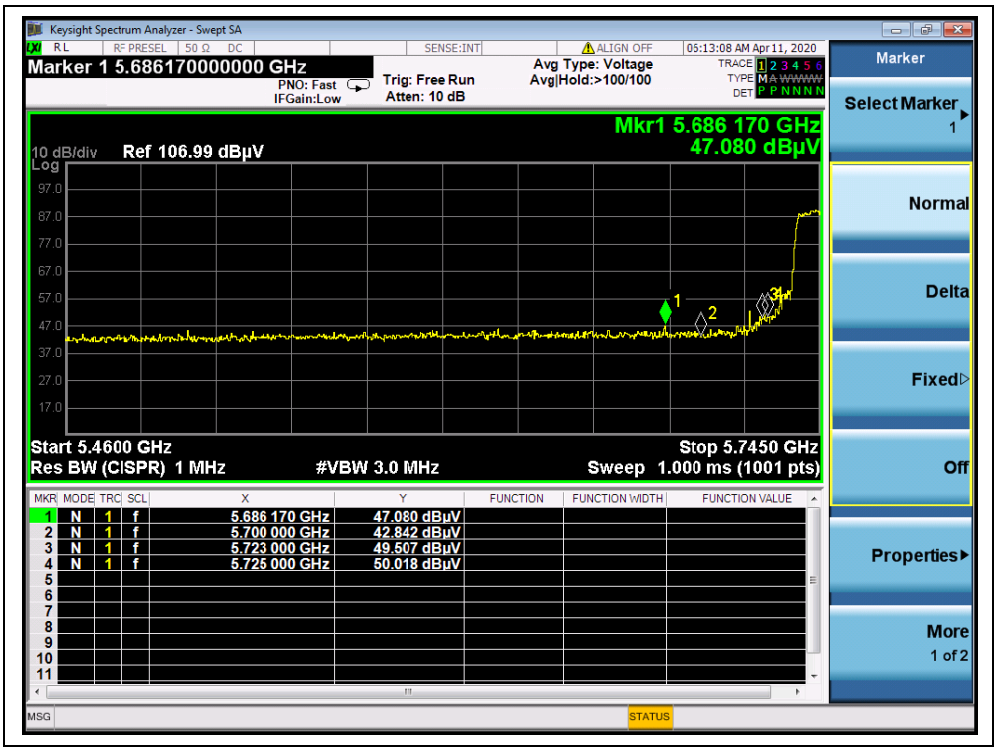
(AVG,Channel 100,802.11n (HT20))



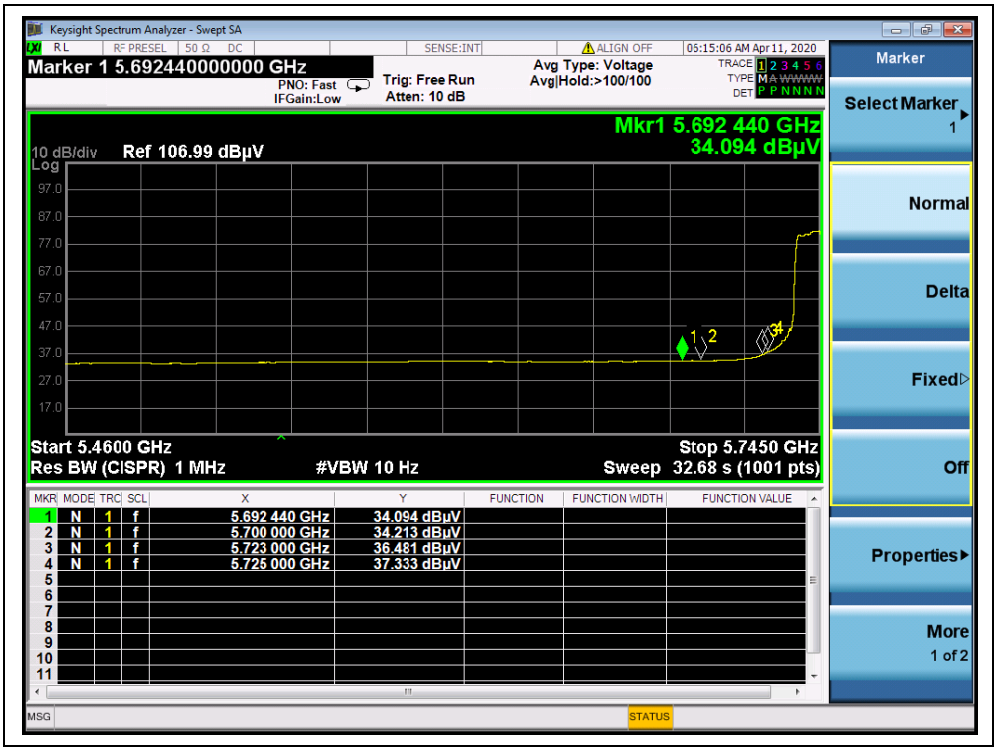
(PEAK,Channel 144, 802.11n (HT20))



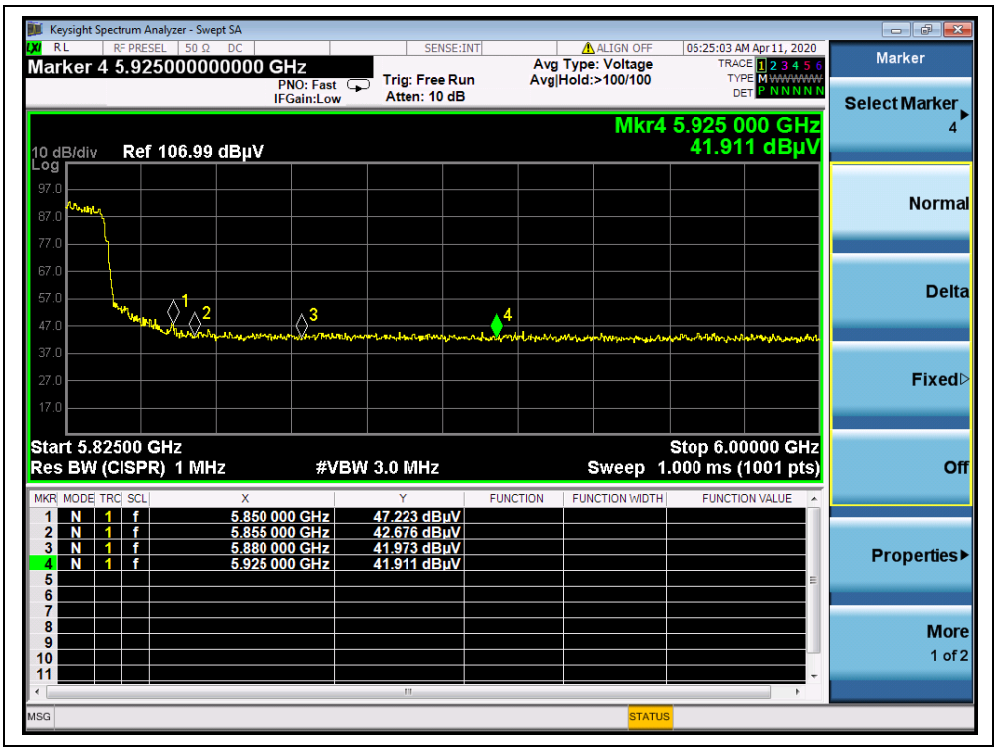
(AVG,Channel 144,802.11n (HT20))



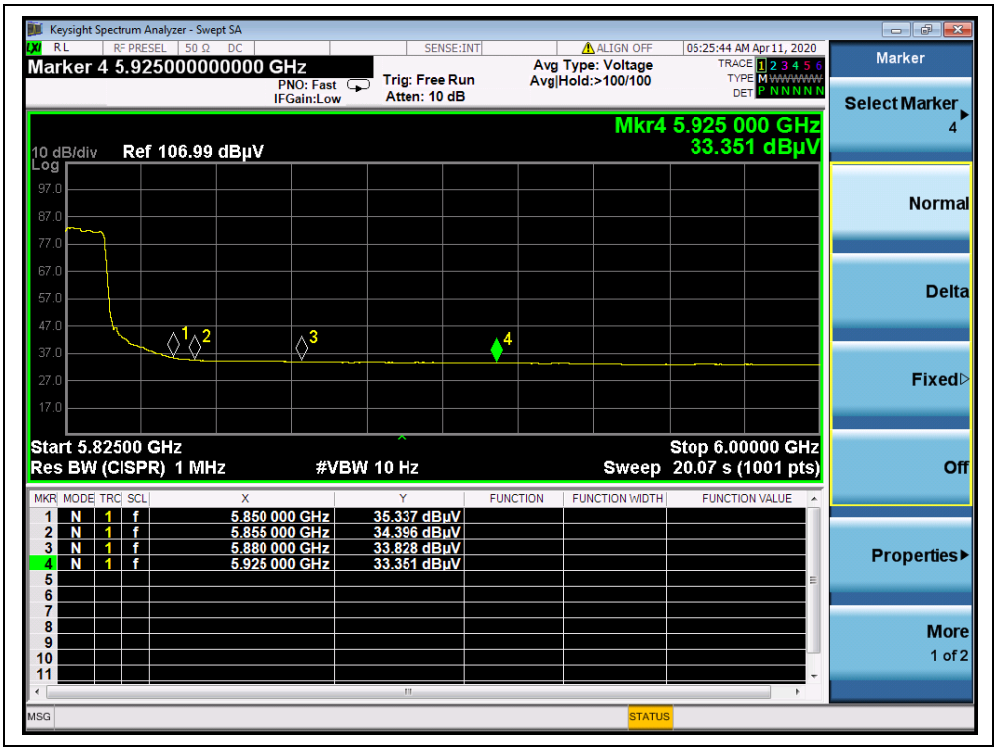
(PEAK,Channel 149, 802.11n (HT20))



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



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



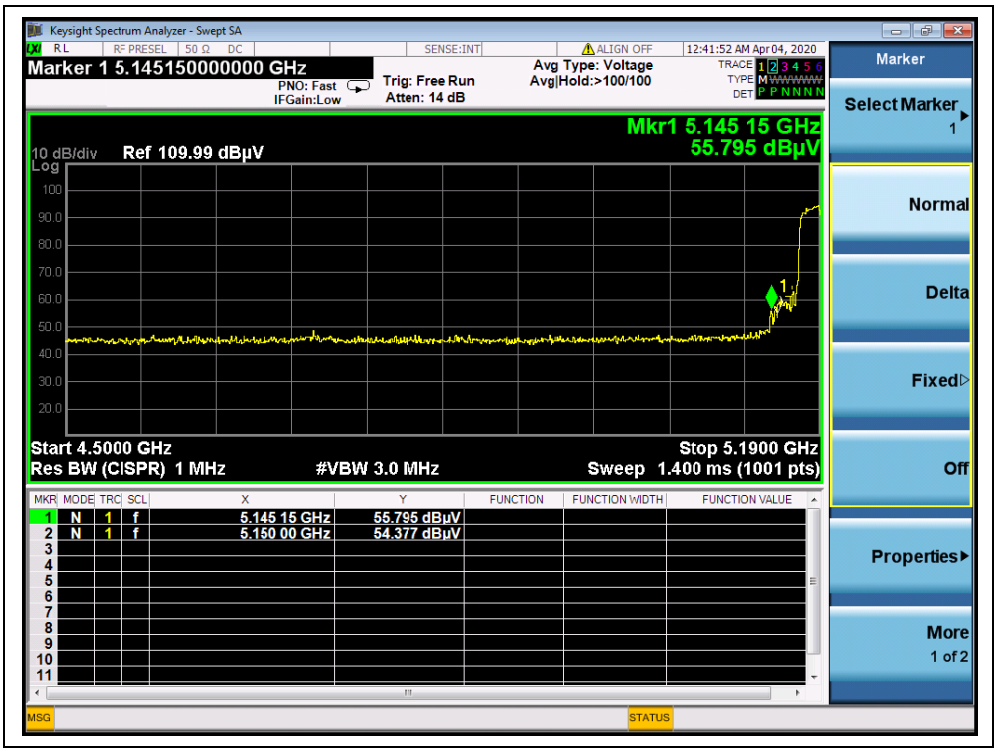
(AVG,Channel 165,802.11n (HT20))

802.11n (HT40) Test mode

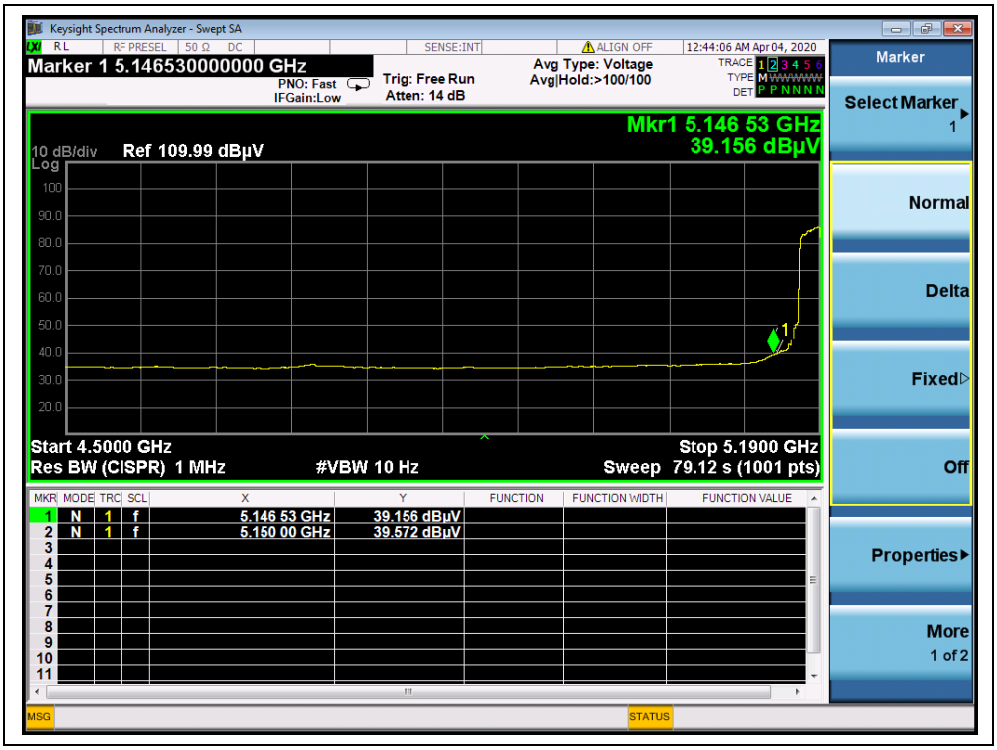
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
38	5145.15	PK	55.80	-26.92	32.20	61.08	74	PASS
38	5150.00	AV	39.57	-26.92	32.20	44.85	54	PASS
62	5361.28	PK	46.75	-26.80	32.20	52.15	74	PASS
62	5350.00	AV	36.24	-26.80	32.20	41.64	54	PASS
102	5470.00	PK	45.77	-26.64	32.20	51.33	68.23	PASS
102	5470.00	AV	35.94	-26.64	32.20	41.50	54	PASS
142	5770.32	PK	46.61	-26.64	32.20	52.17	68.23	PASS
142	5759.76	AV	34.96	-26.64	32.20	40.52	54	PASS
151	5725.32	PK	50.74	-26.23	32.20	56.71	68.23	PASS
151	5725.32	AV	39.53	-26.23	32.20	45.50	54	PASS
159	5925.00	PK	43.16	-26.23	32.20	49.13	68.23	PASS
159	5850.00	AV	34.25	-26.23	32.20	40.22	54	PASS

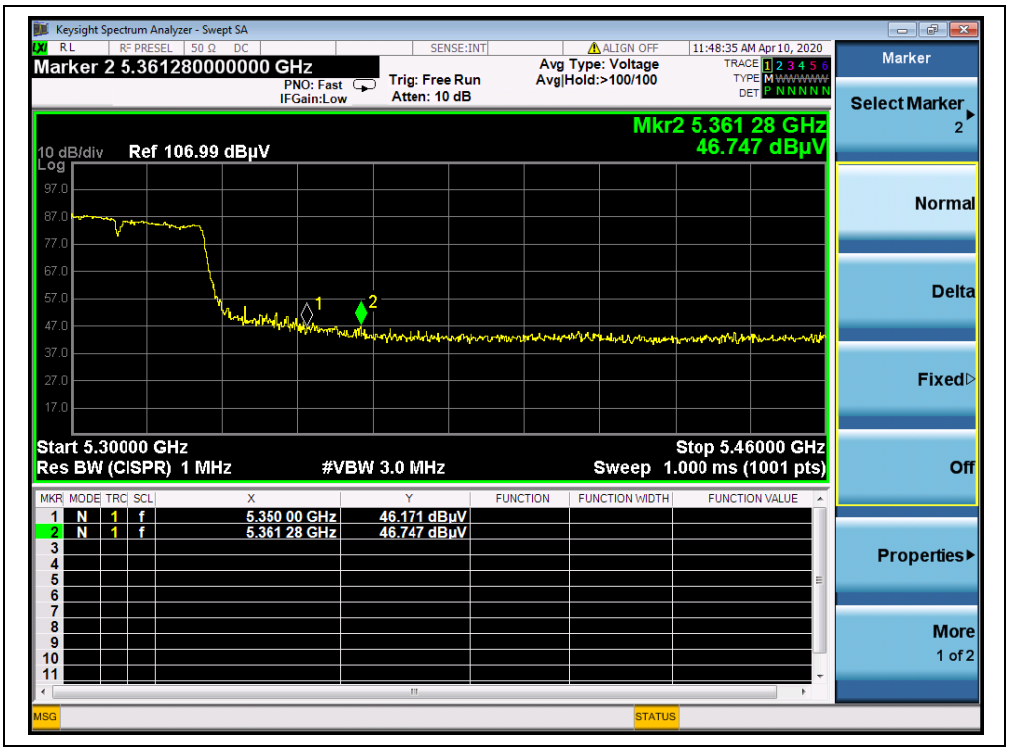
B. Test Plots:



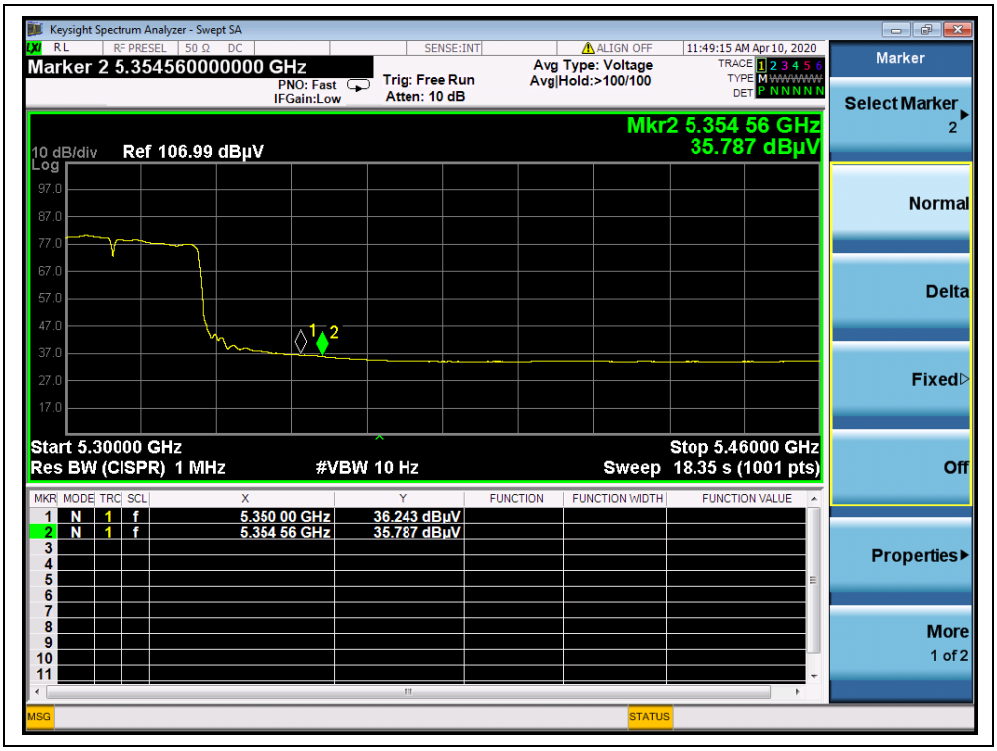
(PEAK,Channel 38, 802.11n (HT40))



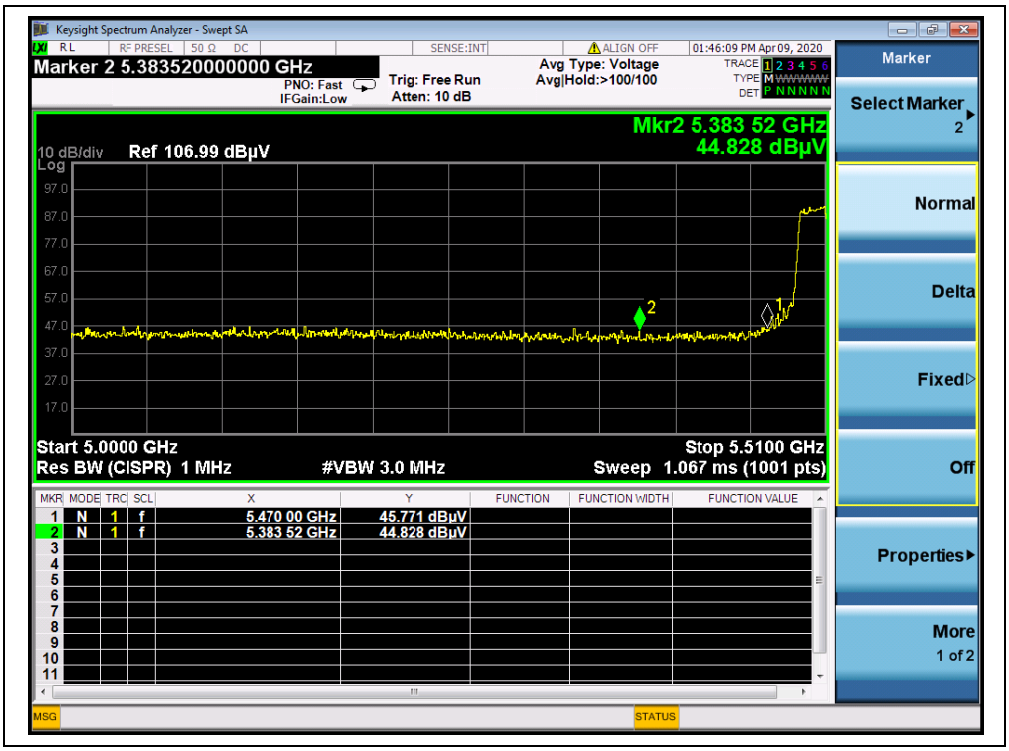
(AVG,Channel 38,802.11n (HT40))



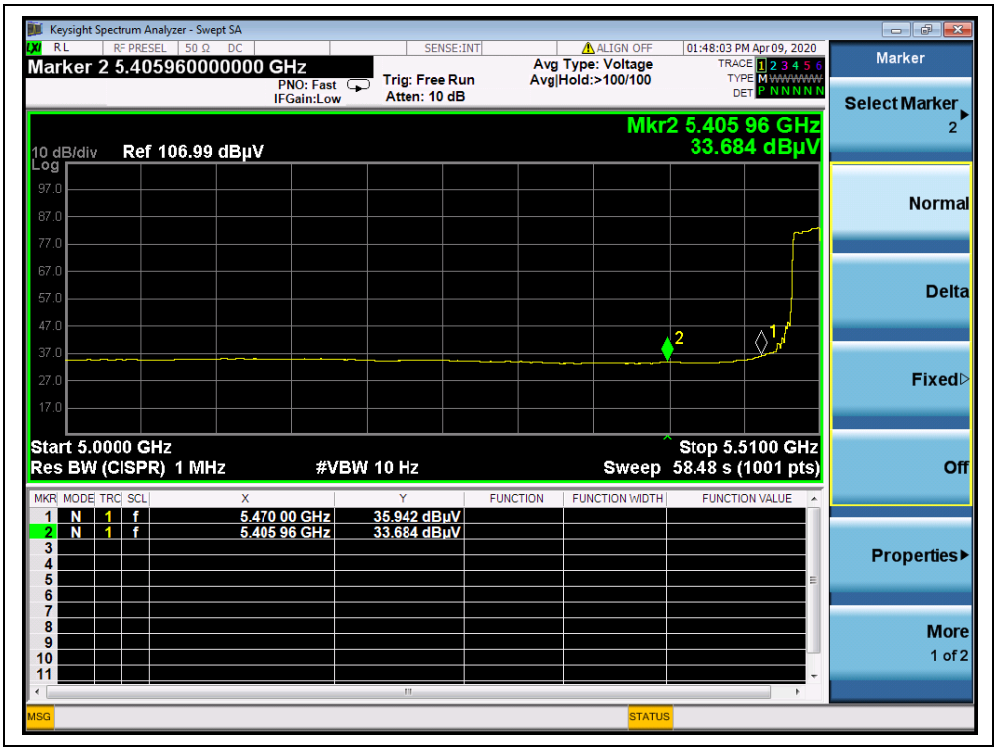
(PEAK,Channel 62, 802.11n (HT40))



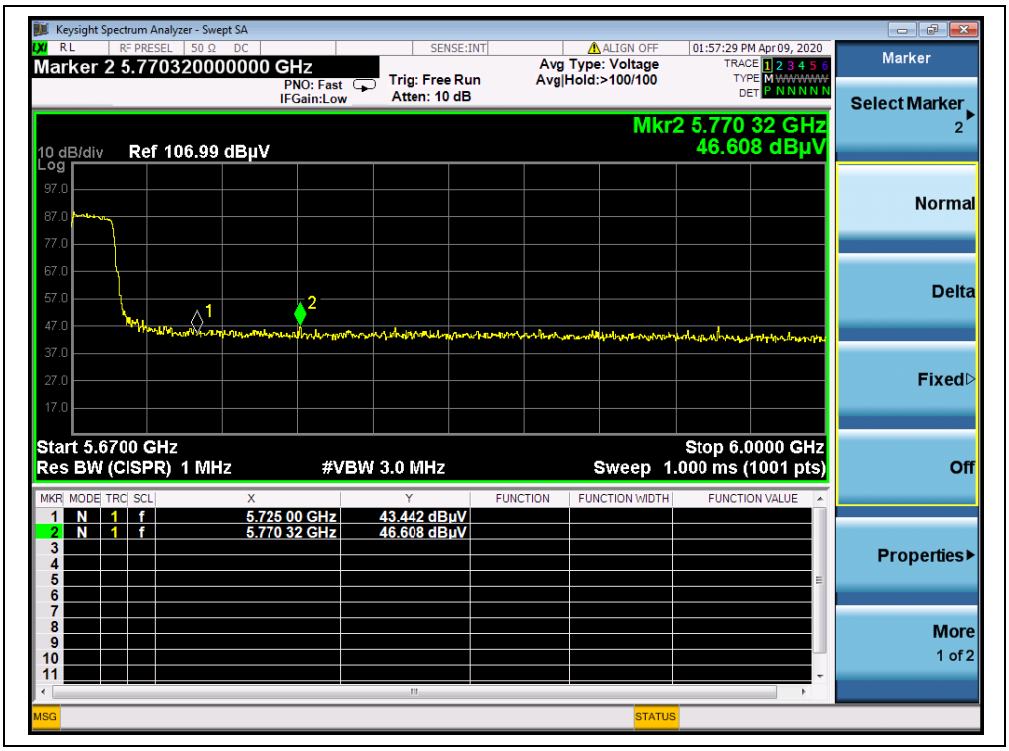
(AVG,Channel 62, 802.11n (HT40))



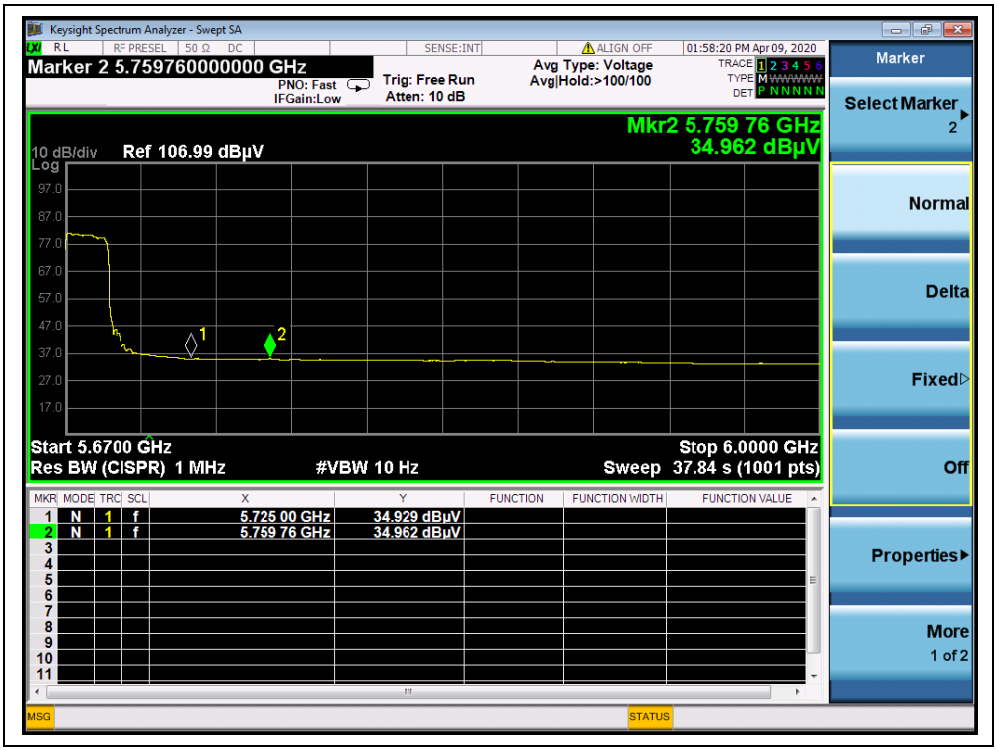
(PEAK,Channel 102, 802.11n (HT40))



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

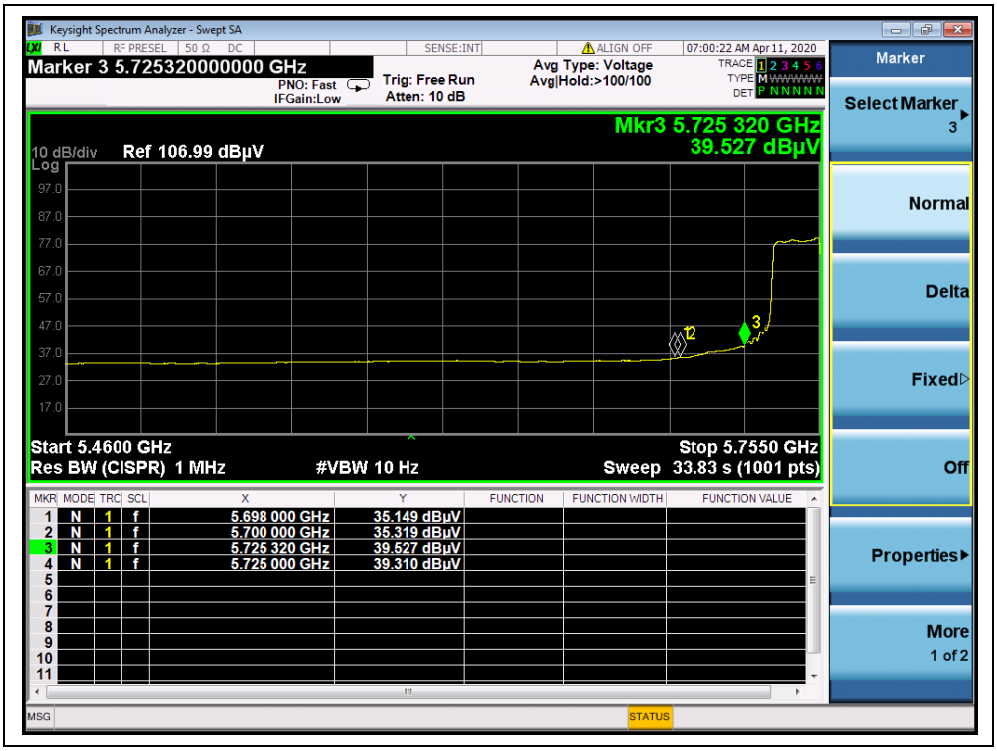


(PEAK,Channel 142, 802.11n (HT40))

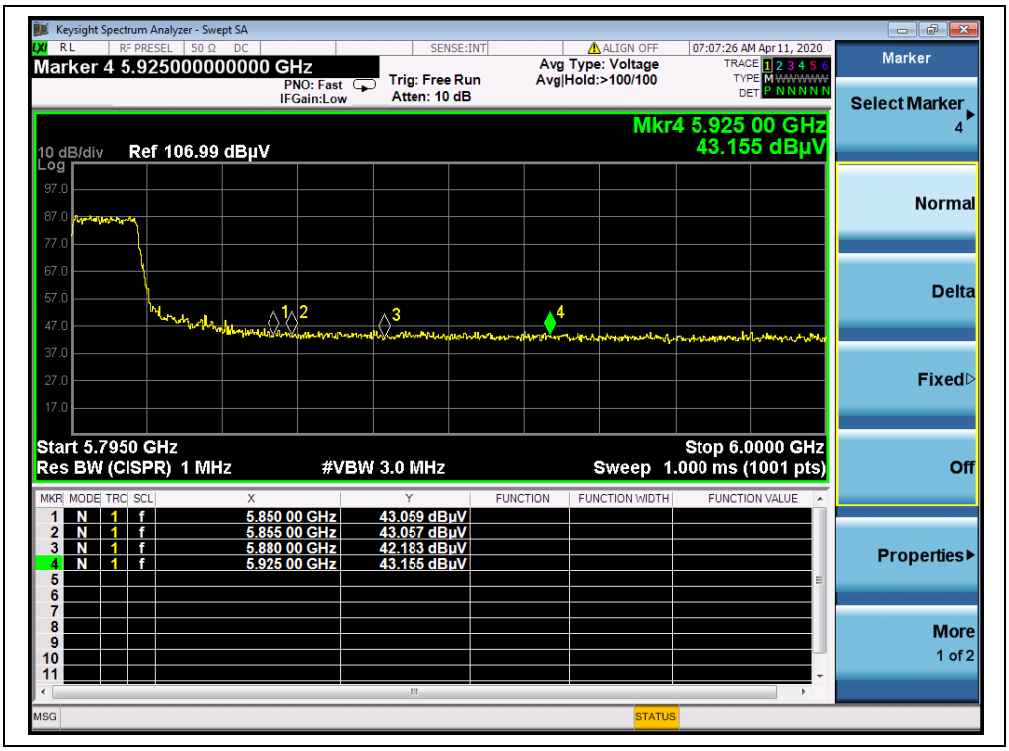


(AVG,Channel 142, 802.11n (HT40))

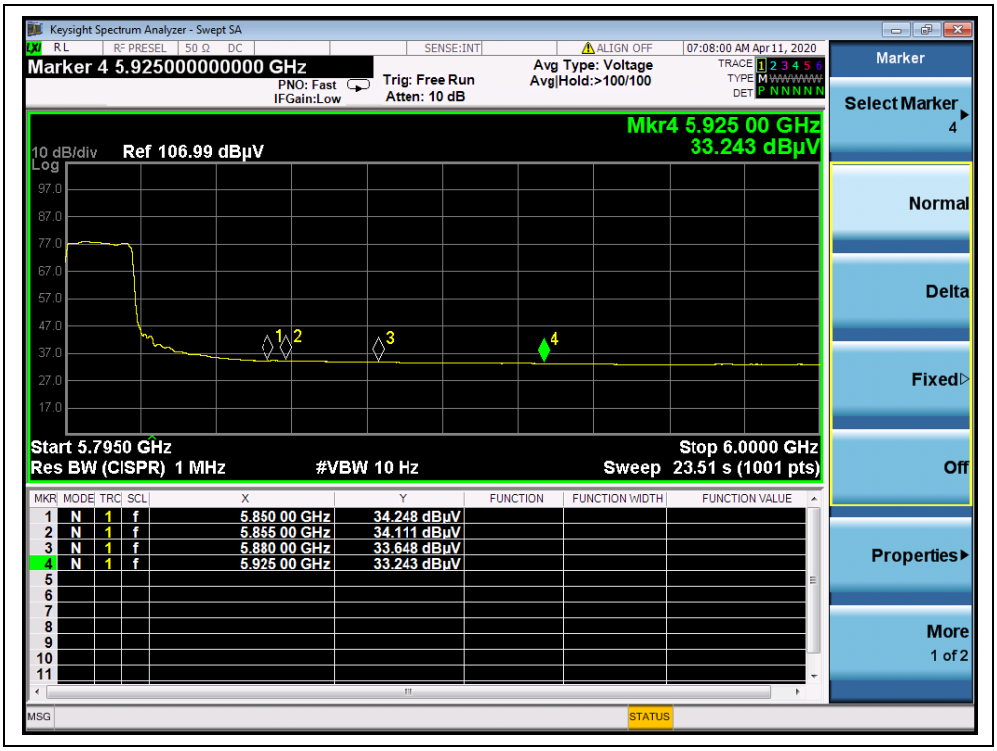
(PEAK,Channel 151, 802.11n (HT40))



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



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



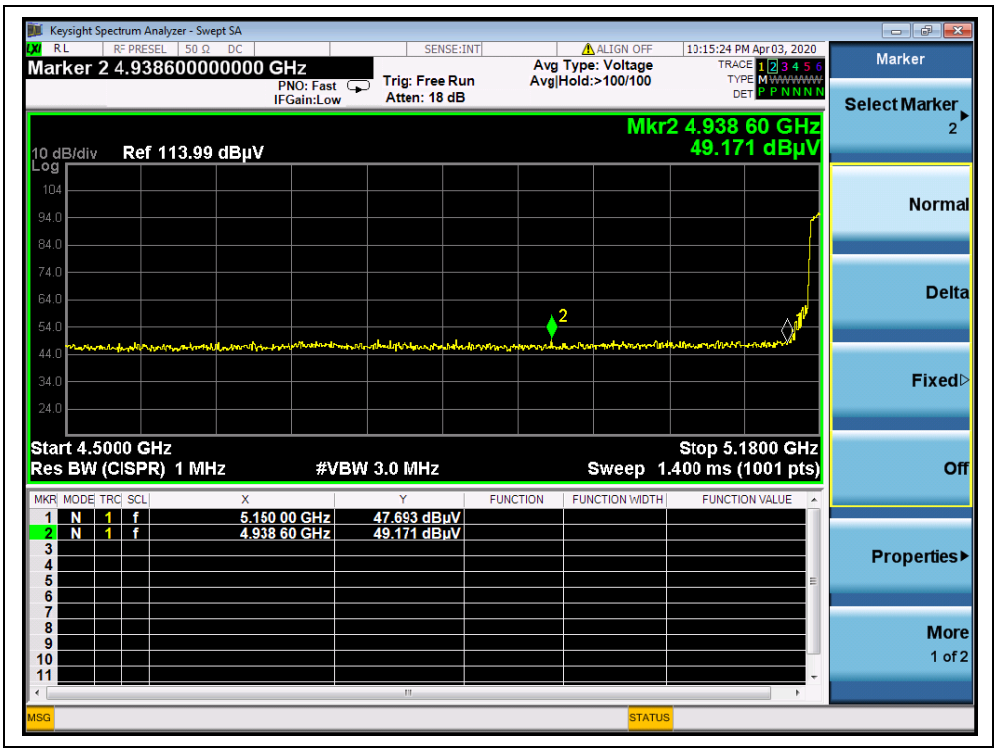
(AVG,Channel 159, 802.11n (HT40))

802.11ac (VHT20) Test mode

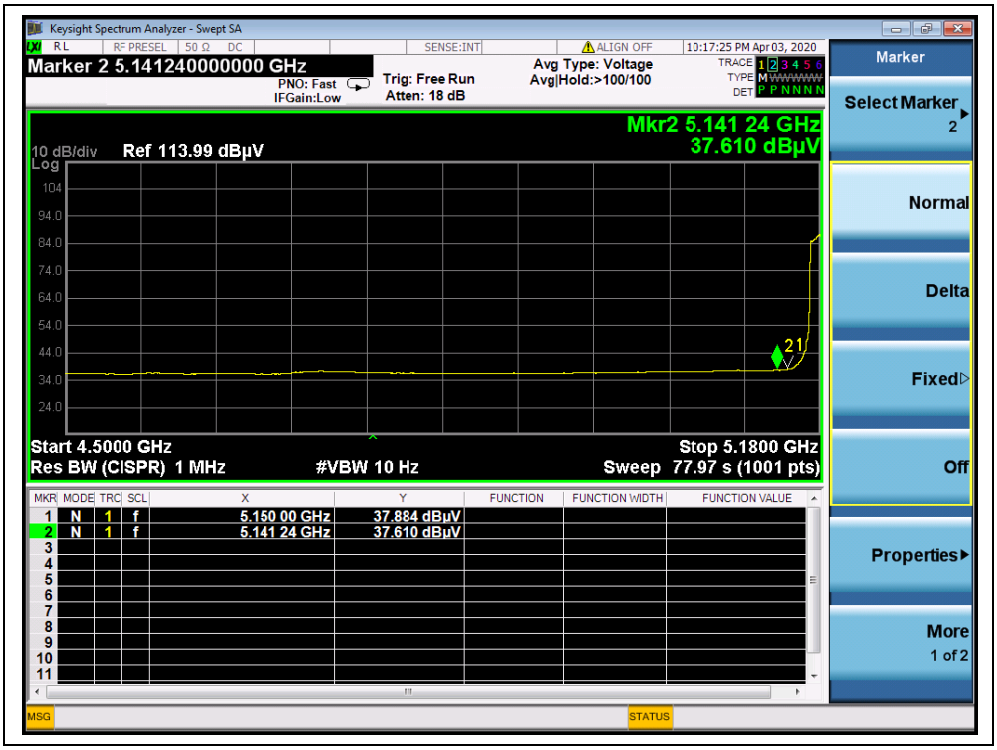
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
36	4938.60	PK	49.17	-26.92	32.20	54.45	74	PASS
36	5150.00	AV	37.88	-26.92	32.20	43.16	54	PASS
64	5368.72	PK	44.20	-26.80	32.20	49.60	74	PASS
64	5350.00	AV	34.21	-26.80	32.20	39.61	54	PASS
100	5445.74	PK	45.64	-26.64	32.20	51.20	74	PASS
100	5470.00	AV	34.50	-26.64	32.20	40.06	54	PASS
144	5725.00	PK	46.22	-26.64	32.20	51.78	74	PASS
144	5725.00	AV	34.63	-26.64	32.20	40.19	54	PASS
149	5725.00	PK	54.85	-26.23	32.20	60.82	122.23	PASS
149	5725.00	AV	39.99	-26.23	32.20	45.96	54	PASS
165	5855.00	PK	44.46	-26.23	32.20	50.43	110.83	PASS
165	5850.00	AV	35.61	-26.23	32.20	41.58	54	PASS

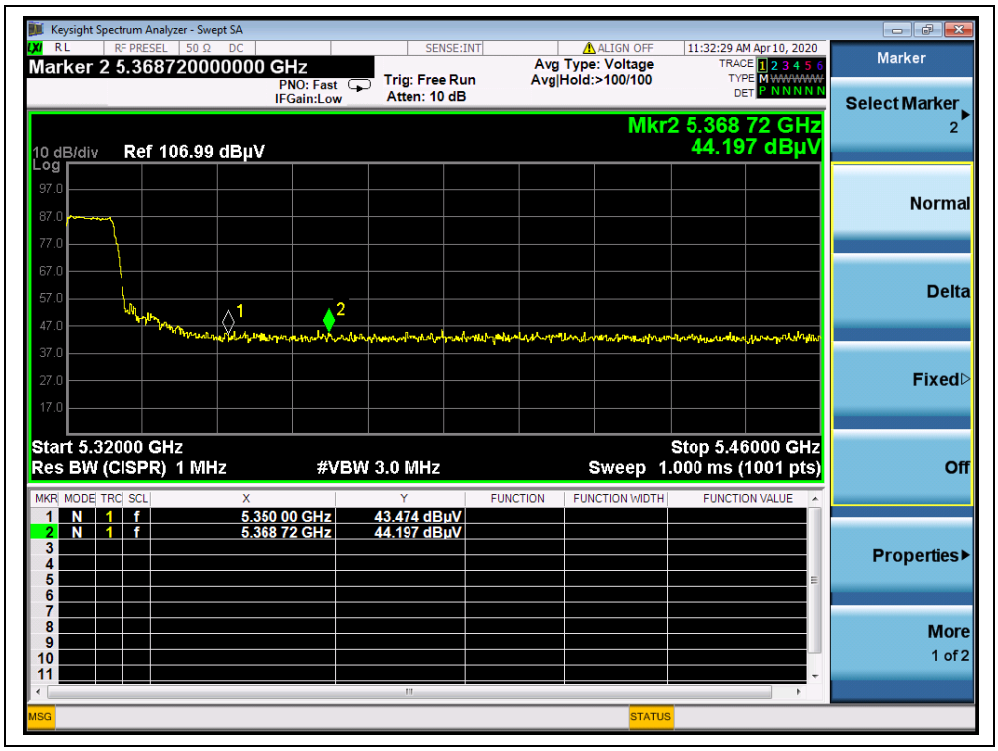
B. Test Plots:



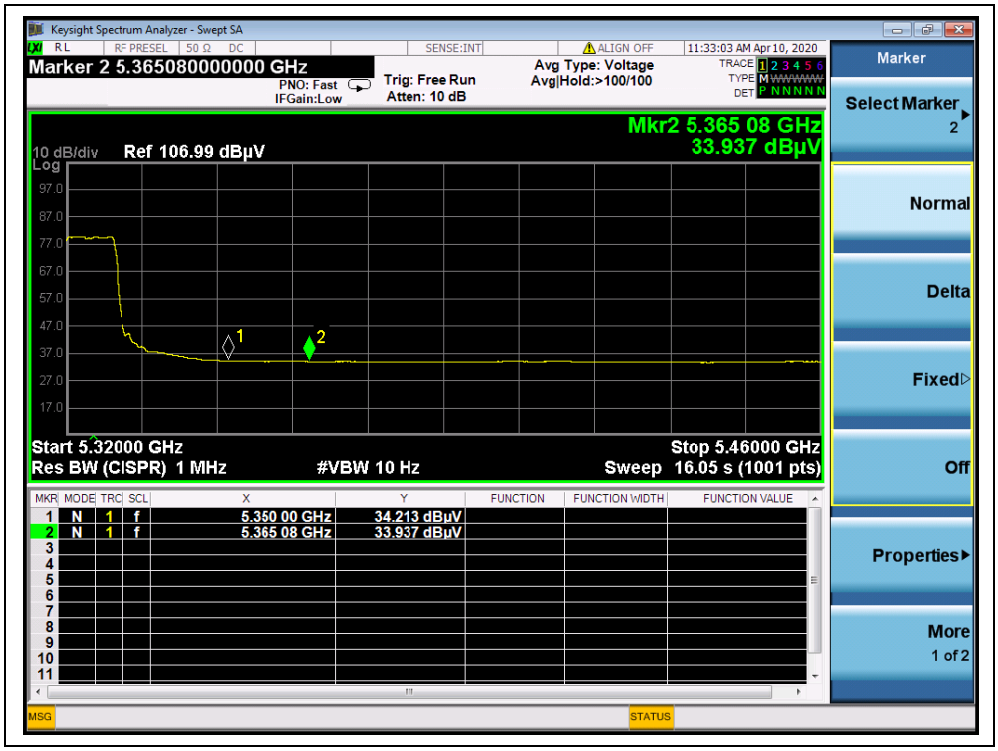
(PEAK,Channel 36,802.11ac (VHT20))



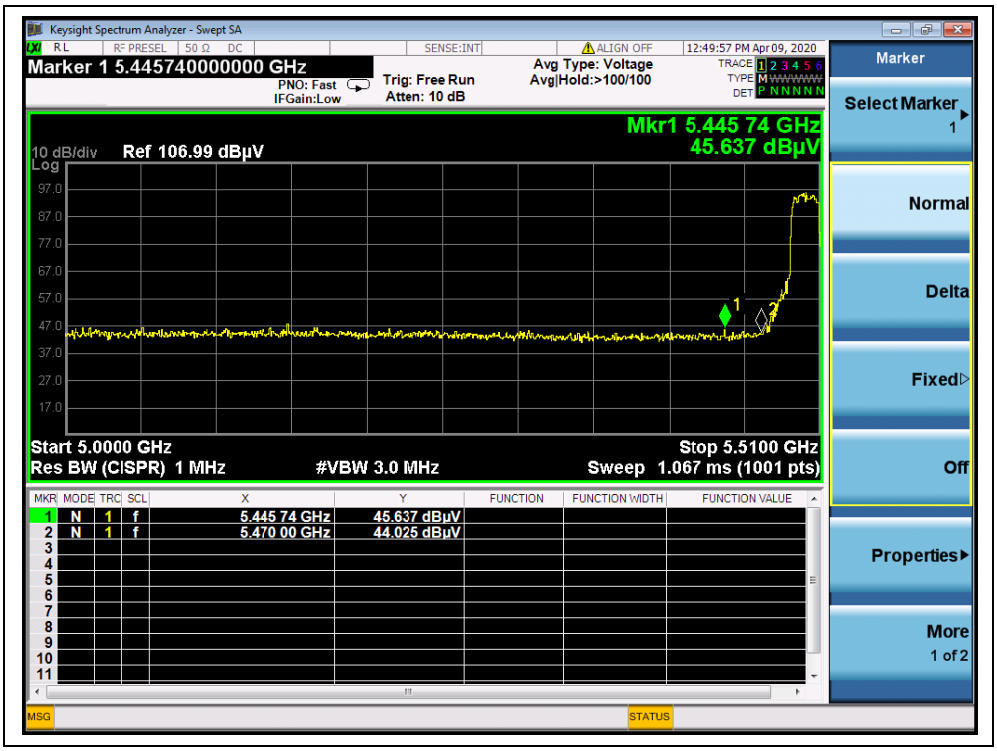
(AVG,Channel 36,802.11ac (VHT20))



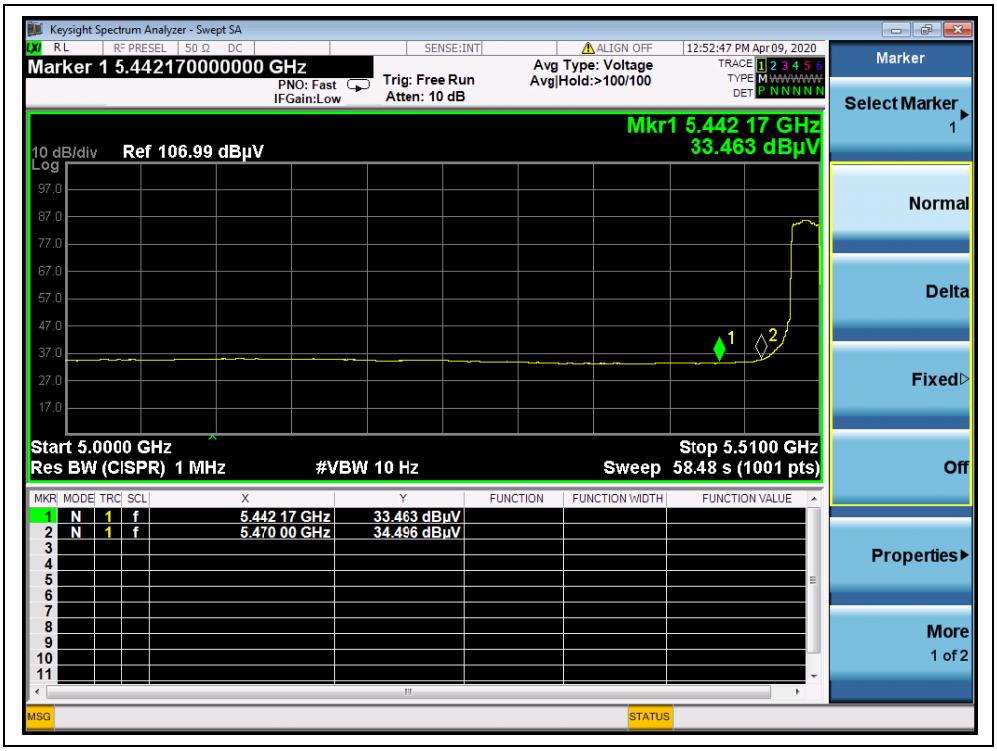
(PEAK,Channel 64, 802.11ac (VHT20))



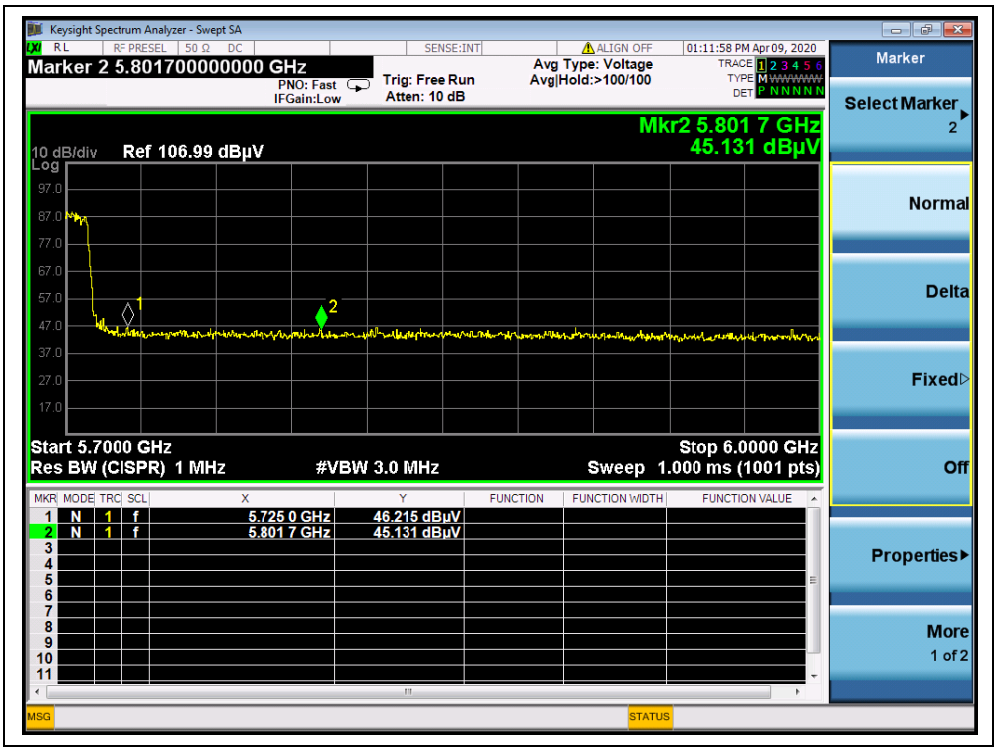
(AVG,Channel 64,802.11 ac (VHT20))



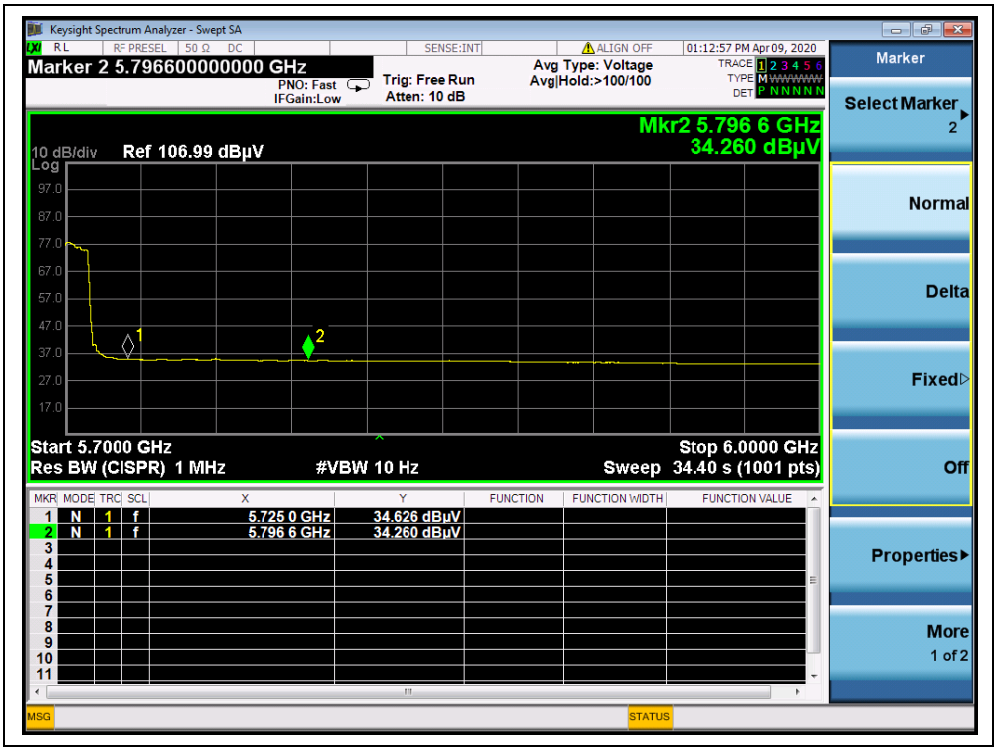
(PEAK,Channel 100, 802.11ac (VHT20))



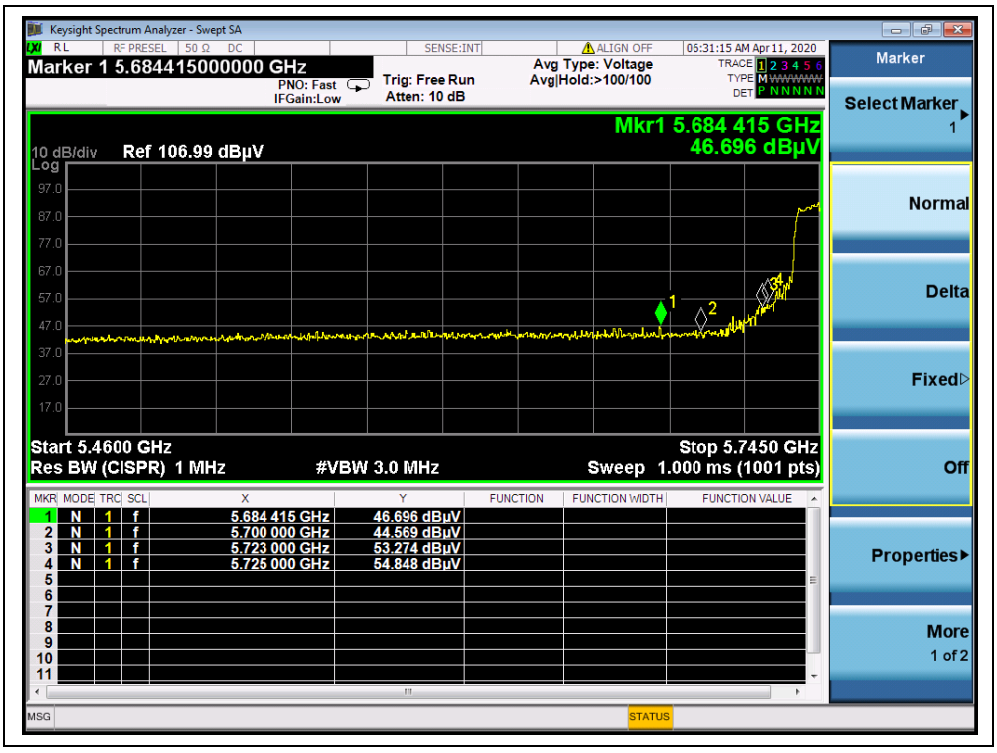
(AVG,Channel 100,802.11 ac (VHT20))



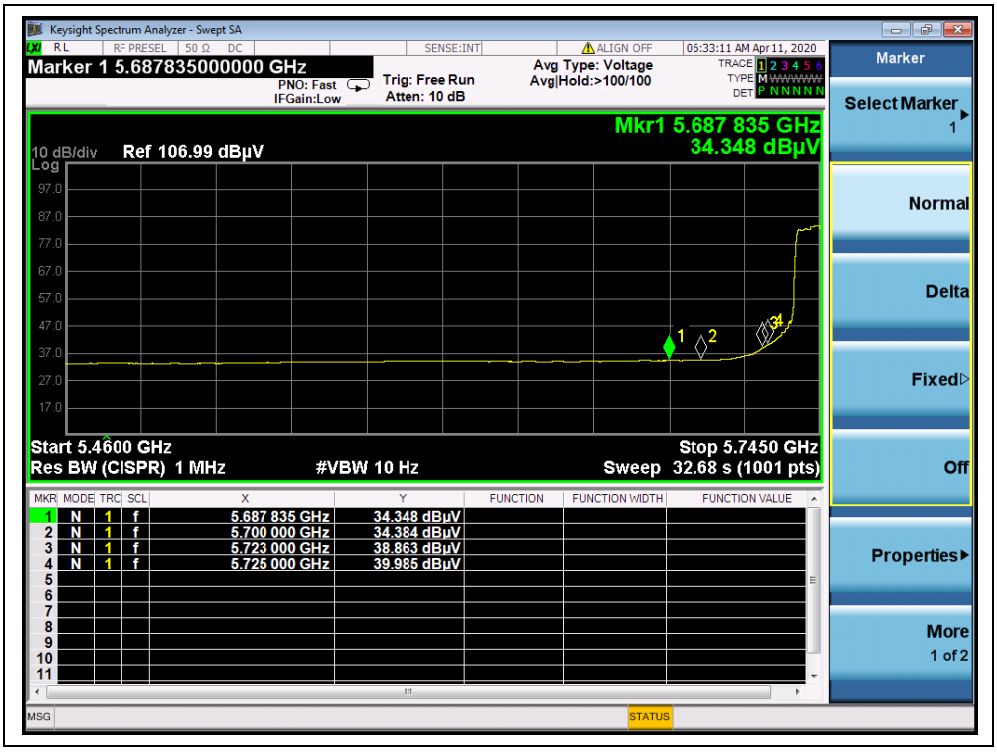
(PEAK,Channel 144, 802.11ac (VHT20))



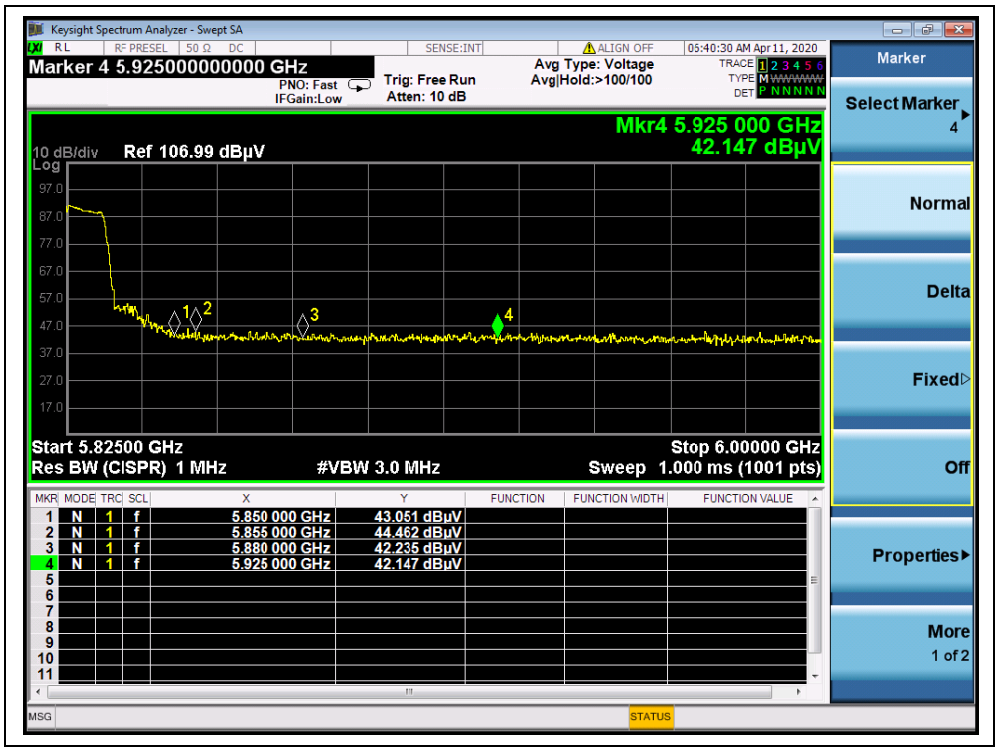
(AVG,Channel 144,802.11 ac (VHT20))



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



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



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

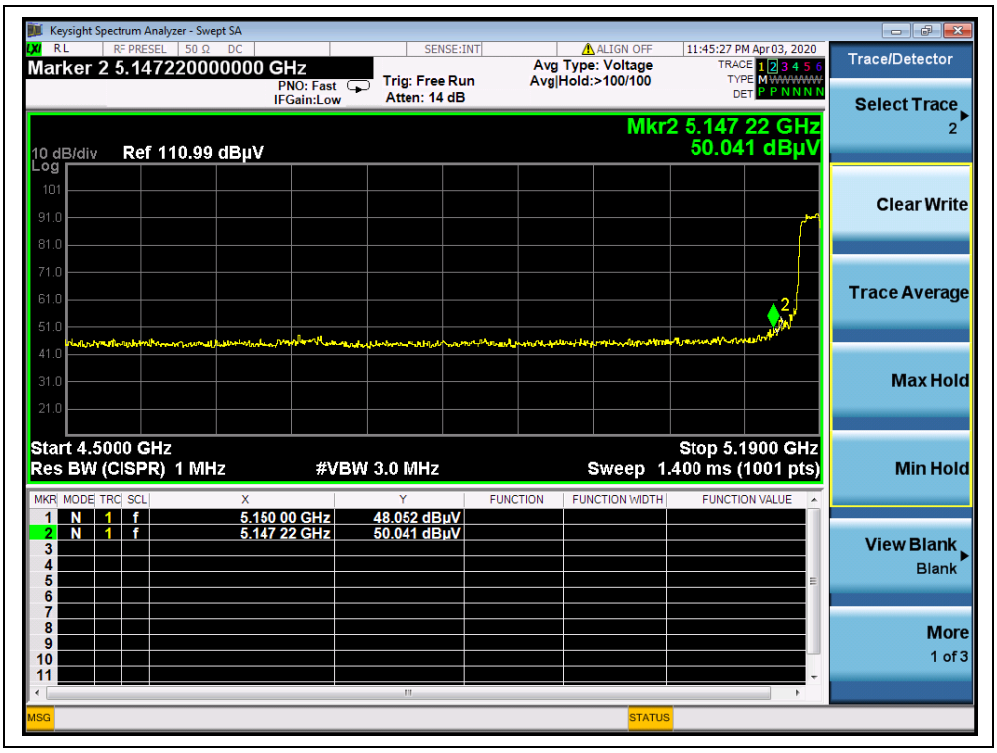
(AVG,Channel 165,802.11 ac (VHT20))

802.11ac (VHT40) Test mode

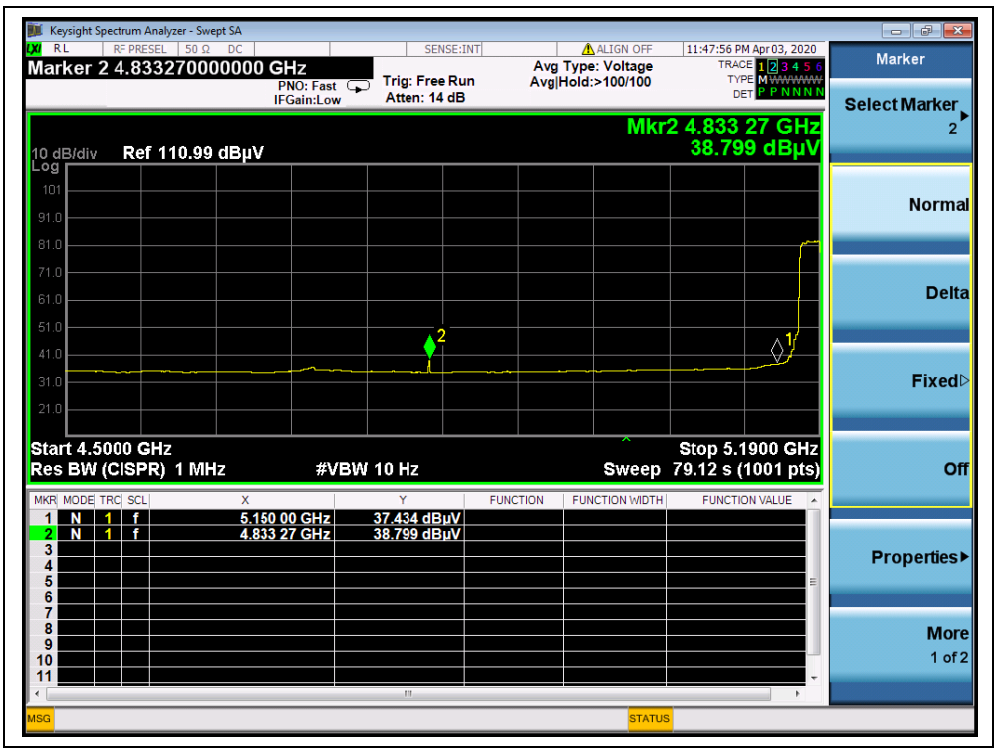
A. Test Verdict:

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	5147.22	PK	50.04	-26.92	32.20	55.32	74	PASS
38	4833.27	AV	38.80	-26.92	32.20	44.08	54	PASS
62	5352.75	PK	42.89	-26.80	32.20	48.29	74	PASS
62	5350.00	AV	34.36	-26.80	32.20	39.76	54	PASS
102	5470.00	PK	46.75	-26.64	32.20	52.31	68.23	PASS
102	5470.00	AV	34.47	-26.64	32.20	40.03	54	PASS
142	5759.10	PK	45.03	-26.64	32.20	50.59	68.23	PASS
142	5725.00	AV	34.16	-26.64	32.20	39.72	54	PASS
151	5700.00	PK	46.90	-26.23	32.20	52.87	105.23	PASS
151	5724.00	AV	35.60	-26.23	32.20	41.57	54	PASS
159	5850.00	PK	44.67	-26.23	32.20	50.64	122.23	PASS
159	5850.00	AV	34.05	-26.23	32.20	40.02	54	PASS

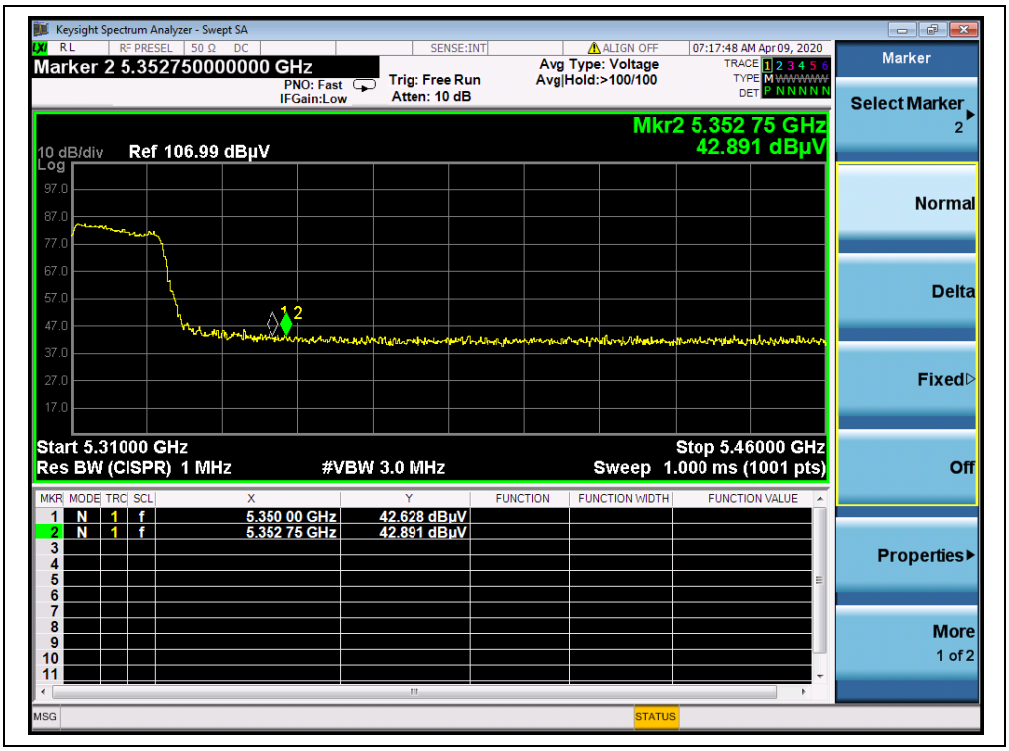
B. Test Plots:



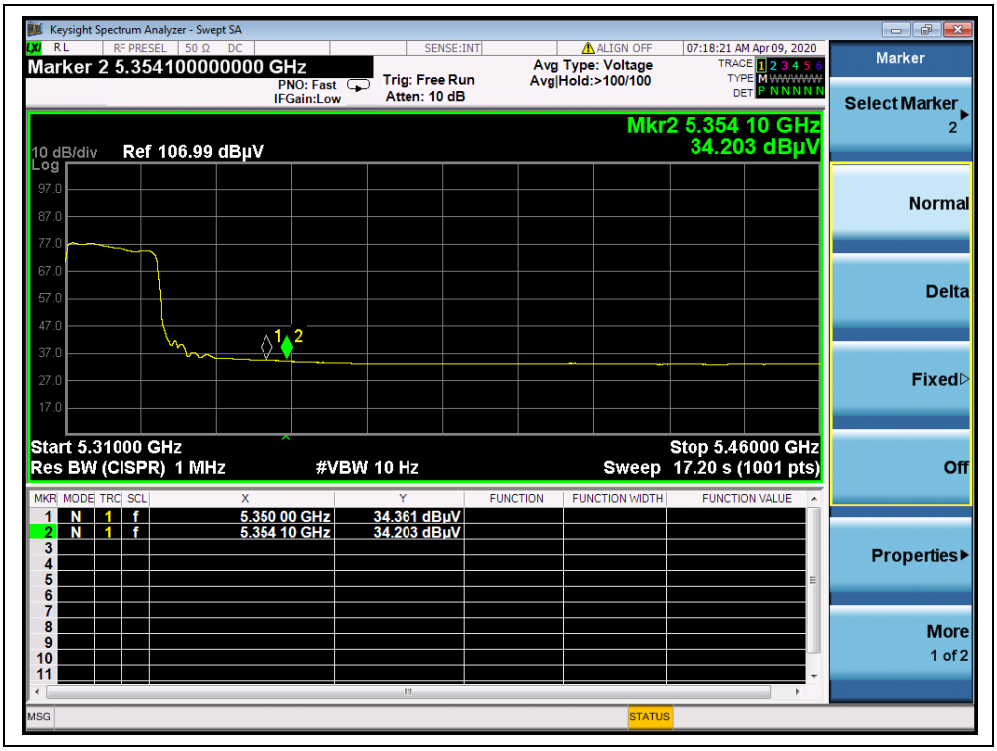
(PEAK,Channel 38, 802.11ac (VHT40))



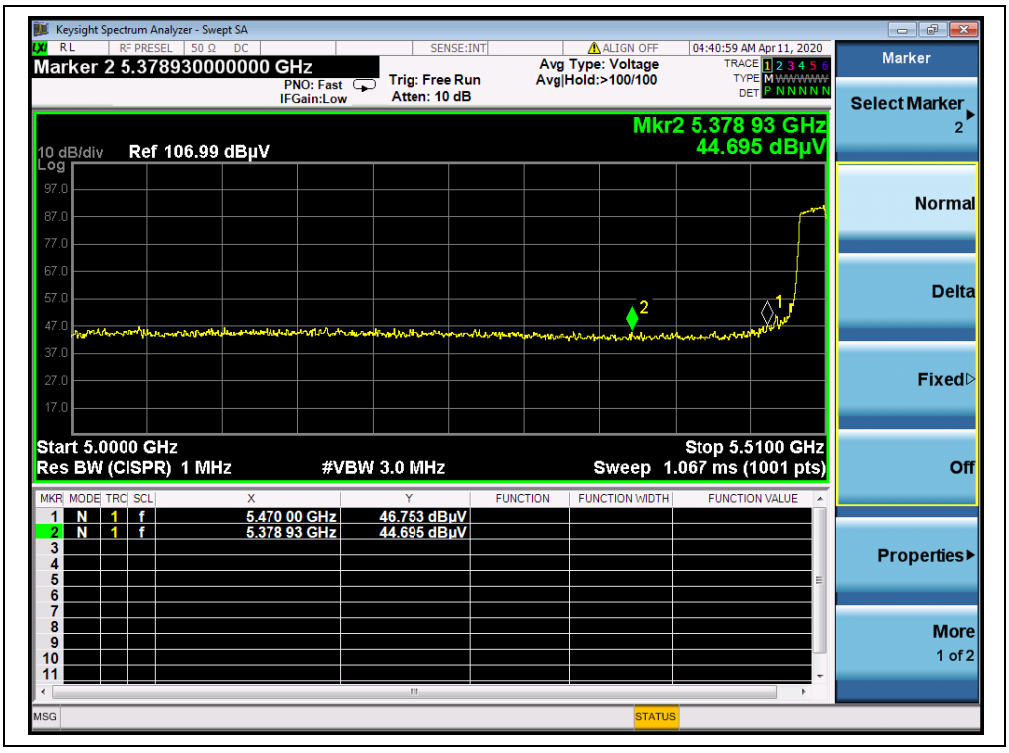
(AVG,Channel 38,802.11ac (VHT40))



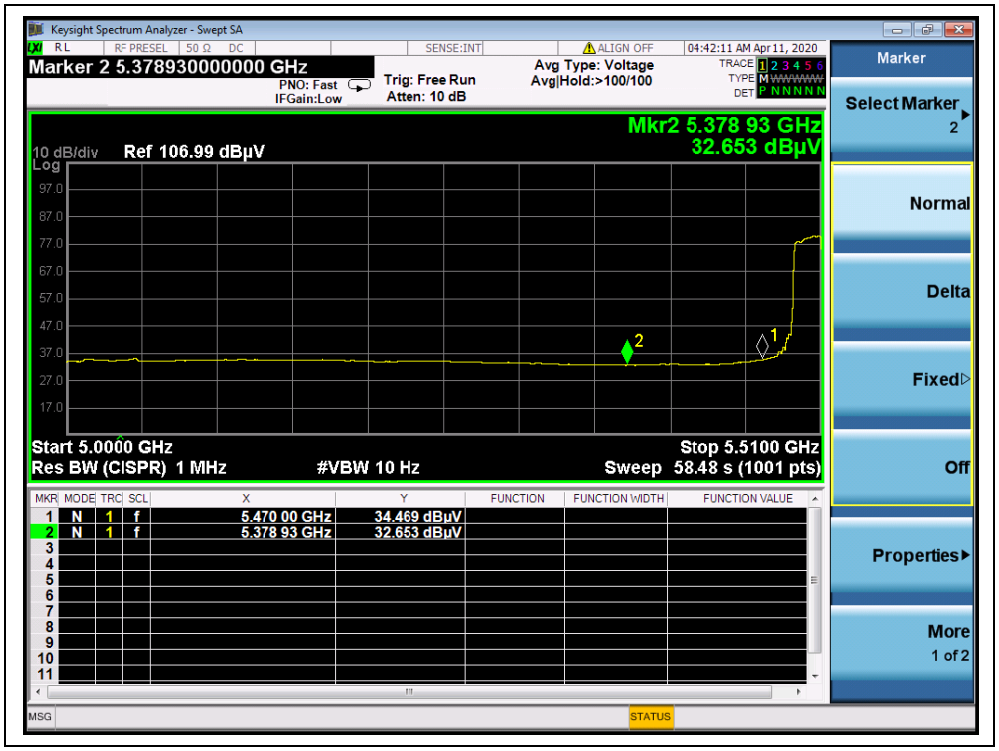
(PEAK,Channel 62, 802.11ac (VHT40))



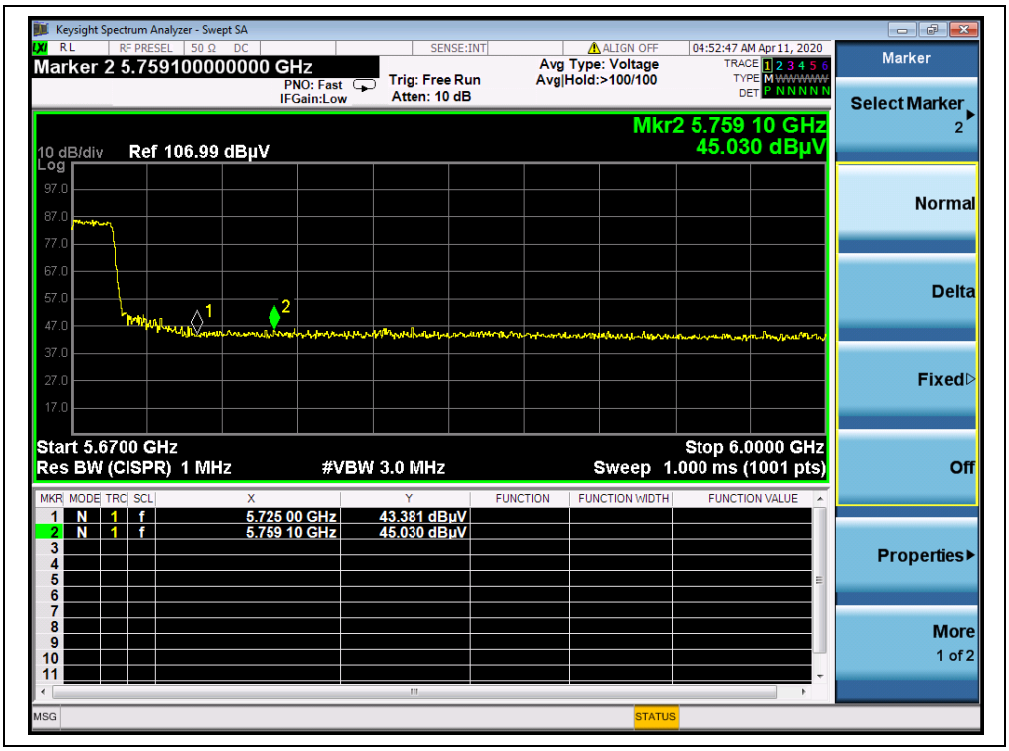
(AVG,Channel 62, 802.11ac (VHT40))



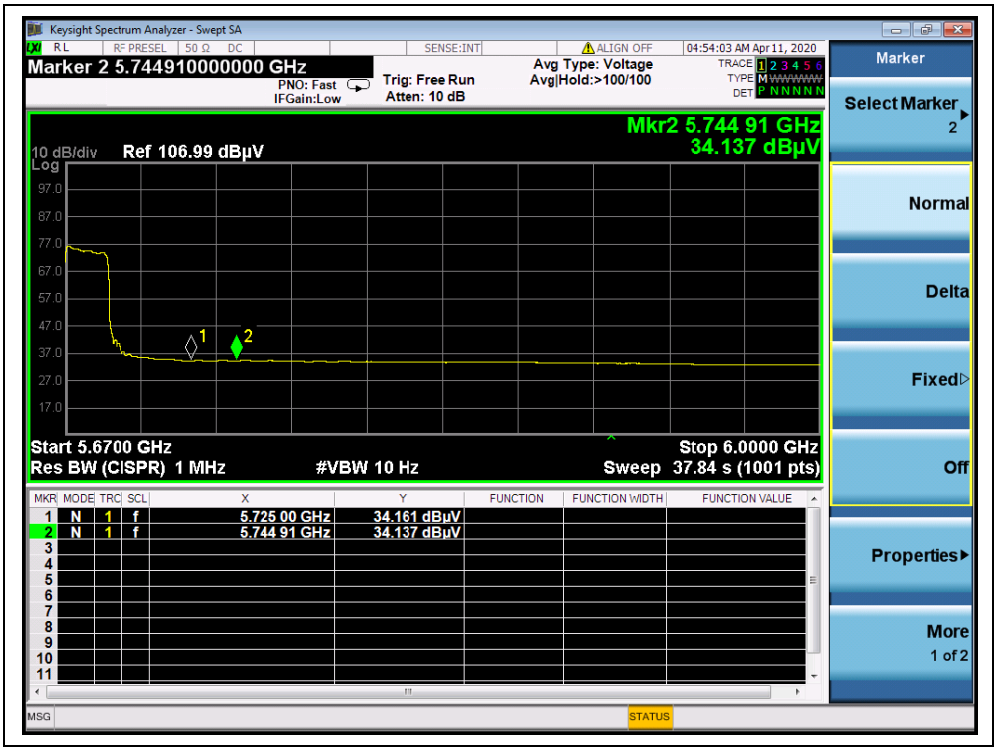
(PEAK,Channel 102, 802.11ac (VHT40))



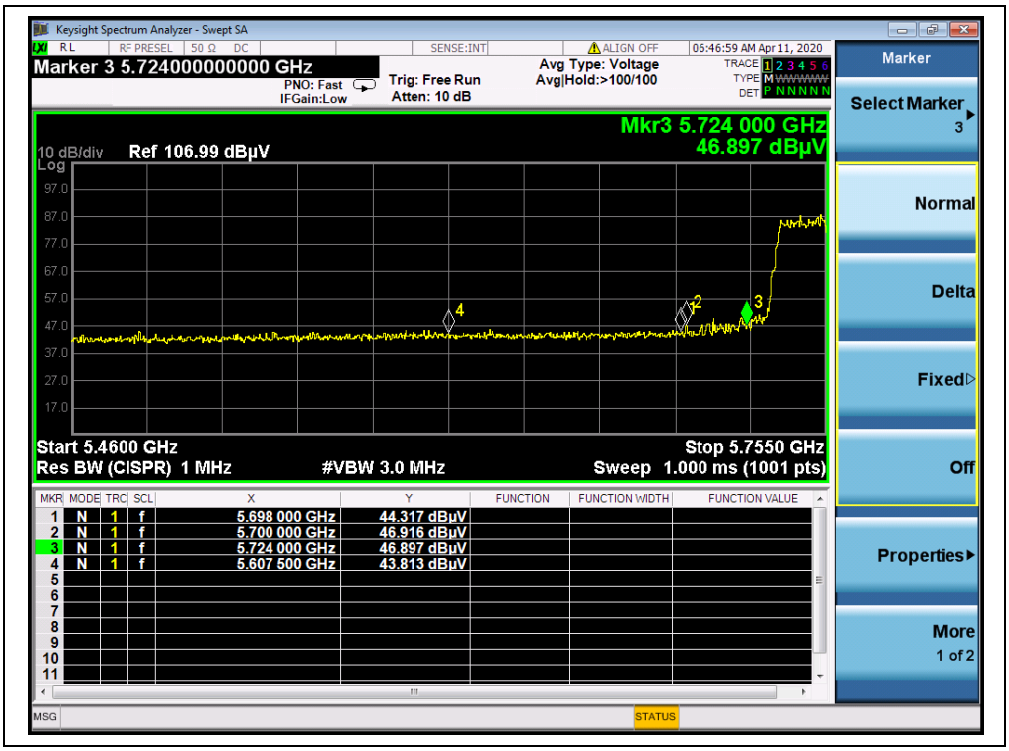
(AVG,Channel 102, 802.11ac (VHT40))



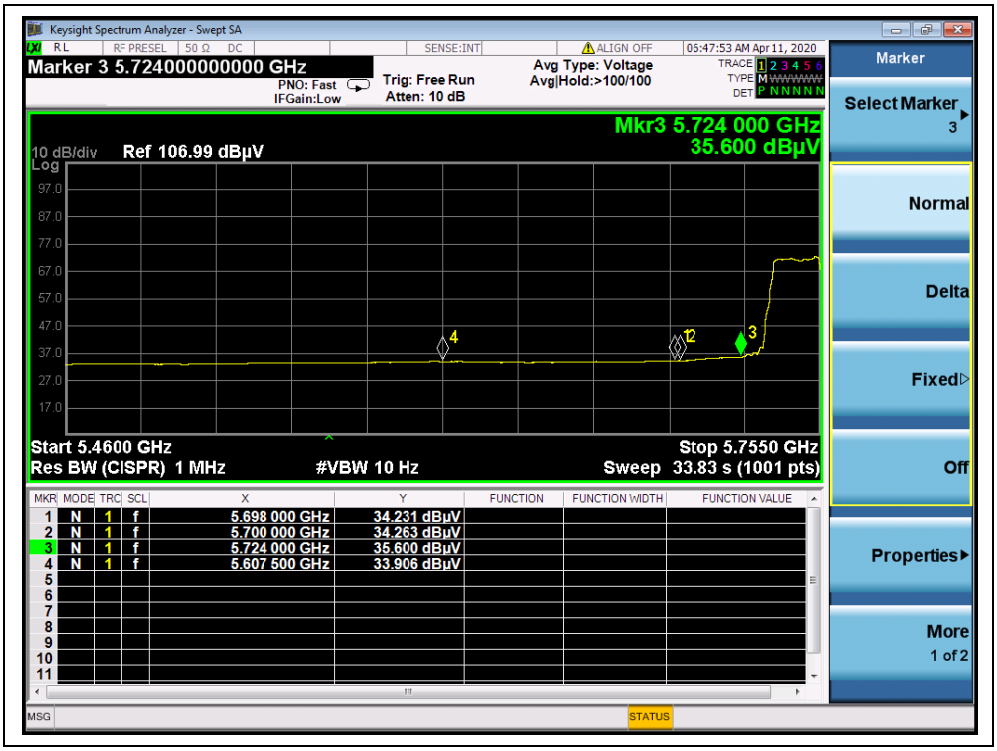
(PEAK,Channel 142, 802.11ac (VHT40))



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

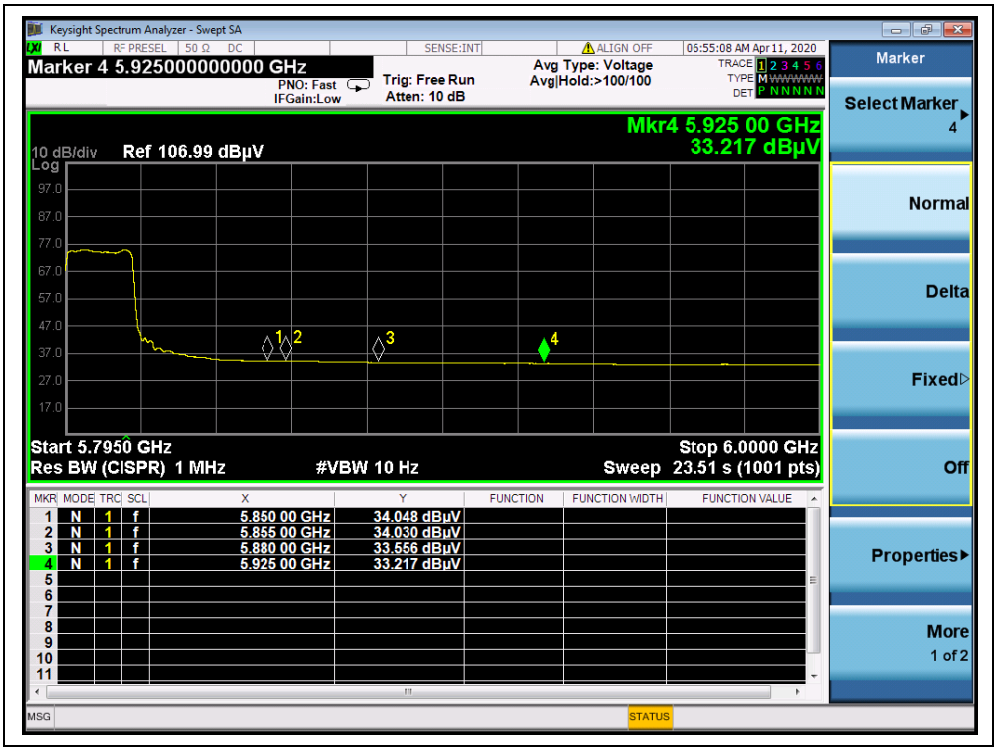


(PEAK,Channel 151, 802.11ac (VHT40))



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

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



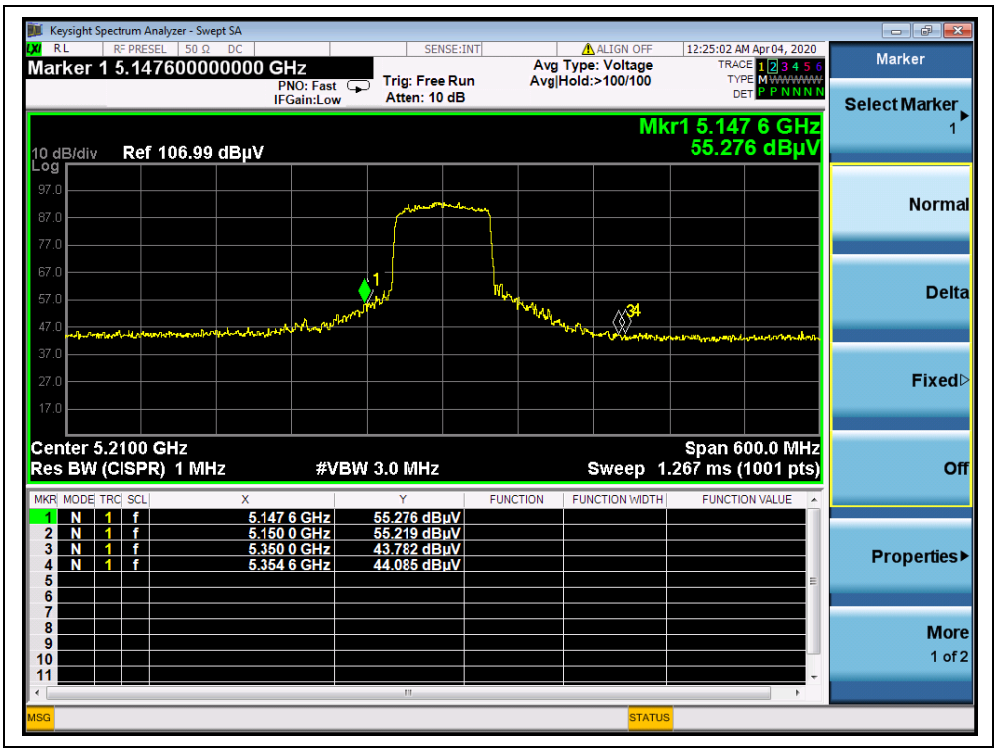
(AVG,Channel 159, 802.11ac (VHT40))

802.11ac (VHT80) Test mode

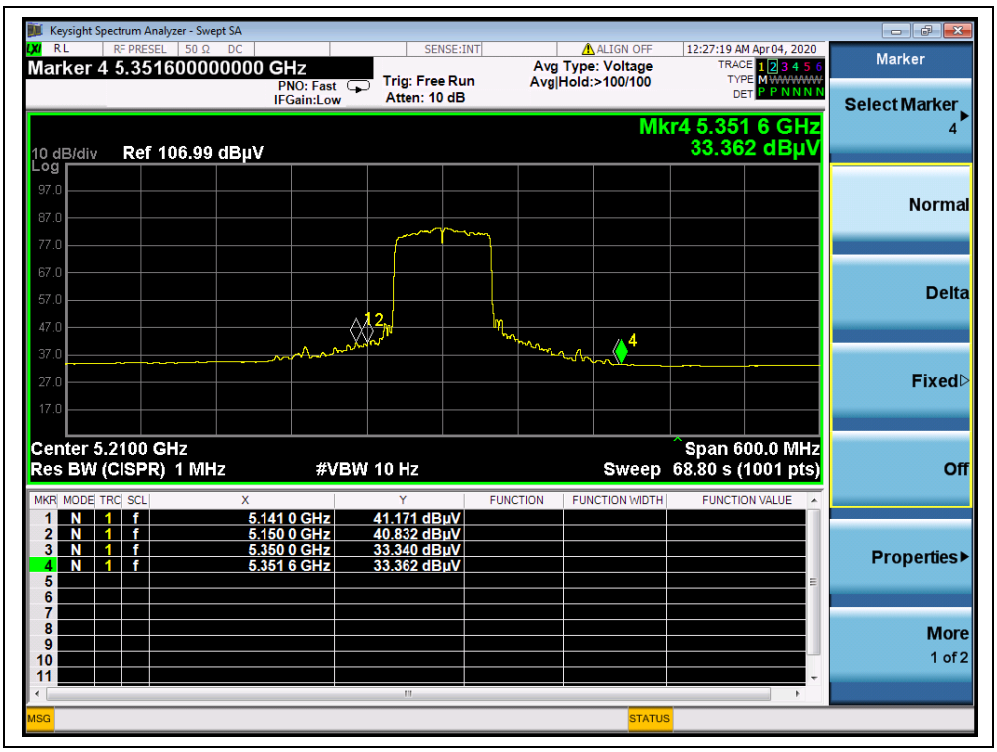
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
42	5147.60	PK	55.28	-26.92	32.20	60.56	74	PASS
42	5141.00	AV	41.17	-26.92	32.20	46.45	54	PASS
58	5146.00	PK	47.03	-26.80	32.20	52.43	74	PASS
58	5146.00	AV	37.68	-26.80	32.20	43.08	54	PASS
106	5470.00	PK	55.35	-26.64	32.20	60.91	68.23	PASS
106	5470.00	AV	43.66	-26.64	32.20	49.22	54	PASS
138	5778.09	PK	45.56	-26.64	32.20	51.12	68.23	PASS
138	5725.00	AV	35.70	-26.64	32.20	41.26	54	PASS
155	5720.00	PK	54.23	-26.23	32.20	60.20	110.83	PASS
155	5725.00	AV	42.01	-26.23	32.20	47.98	54	PASS
155	5858.70	PK	48.81	-26.23	32.20	54.78	100.47	PASS
155	5850.00	AV	36.02	-26.23	32.20	41.99	54	PASS

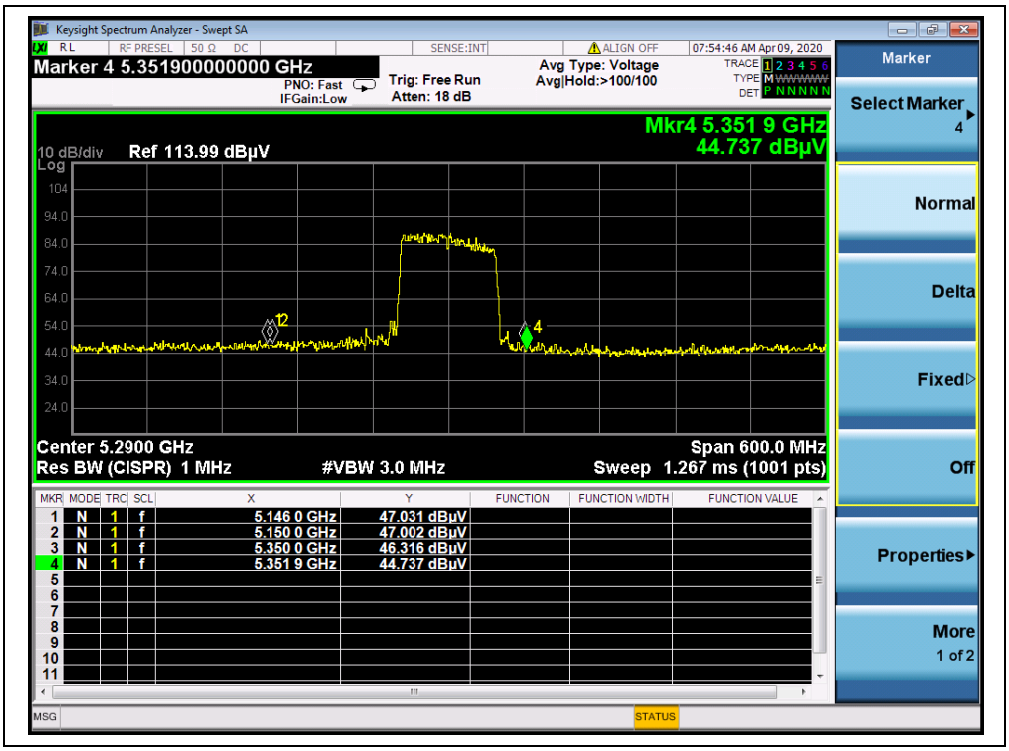
B. Test Plots:



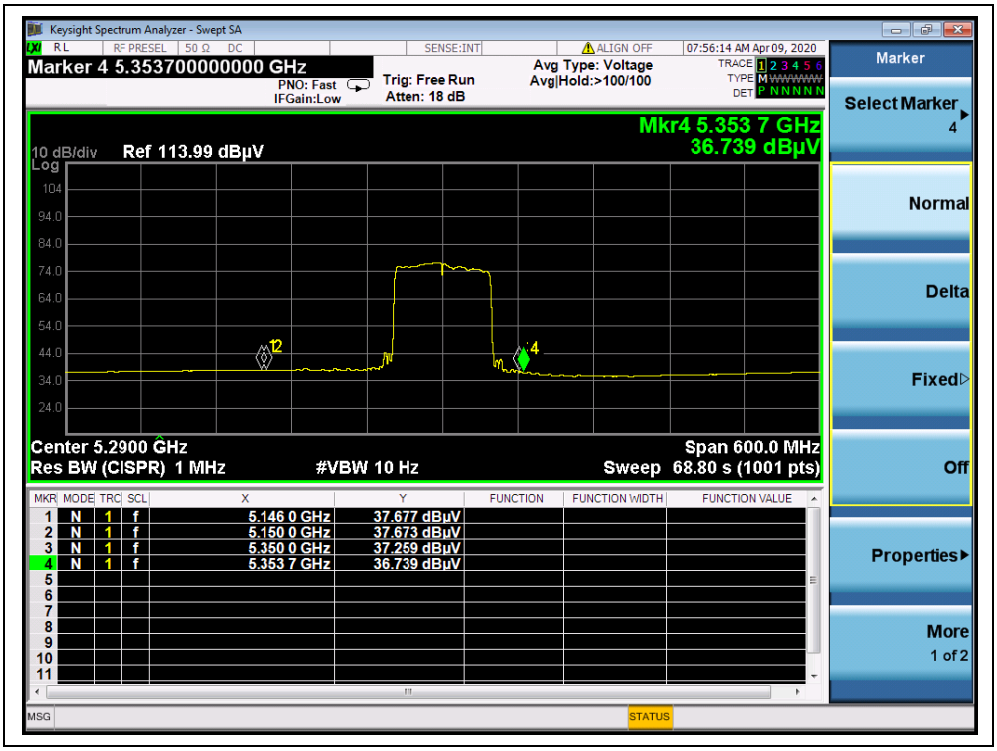
(PEAK,Channel 42, 802.11ac (VHT80))



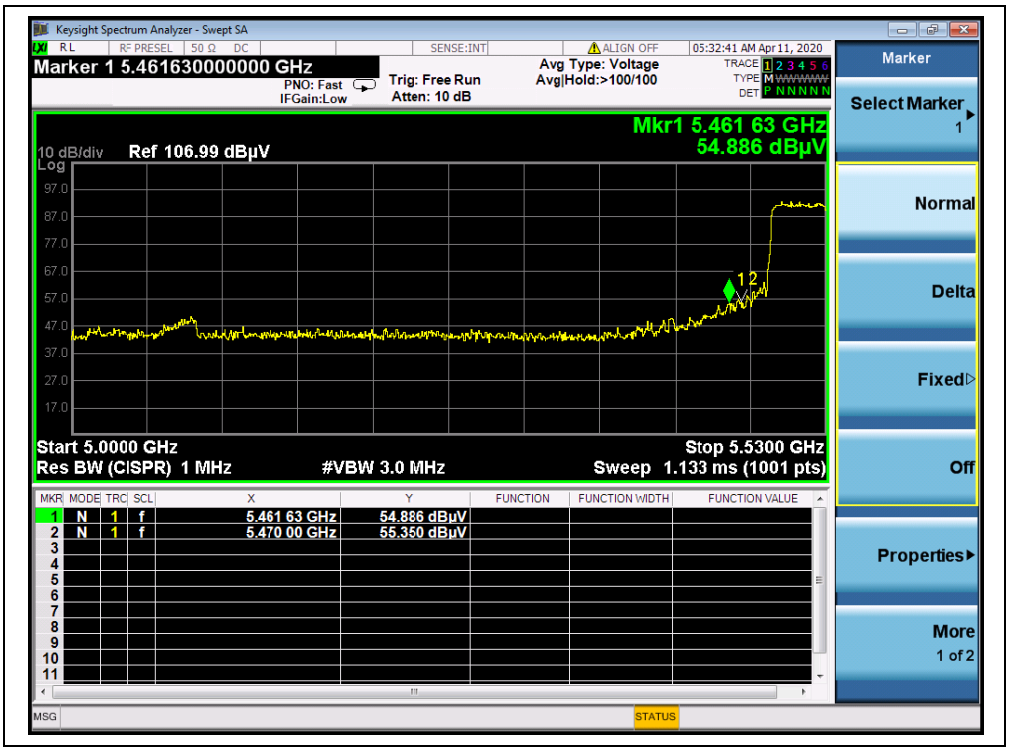
(AVG,Channel 42,802.11ac (VHT80))



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

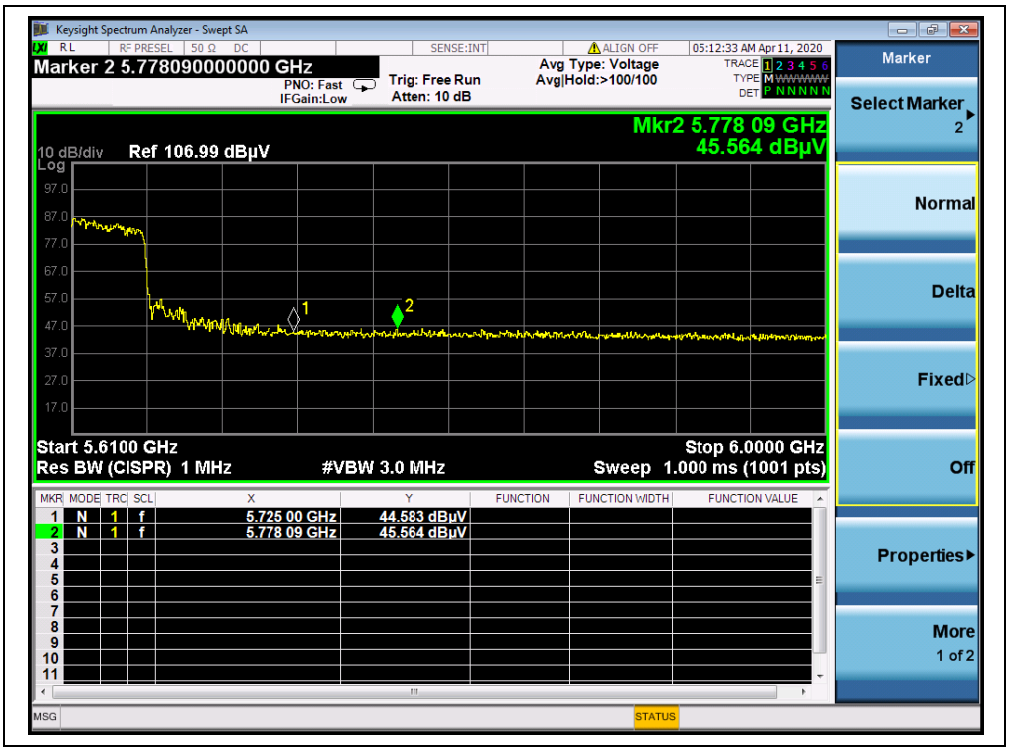


(AVG,Channel 58, 802.11ac (VHT80))

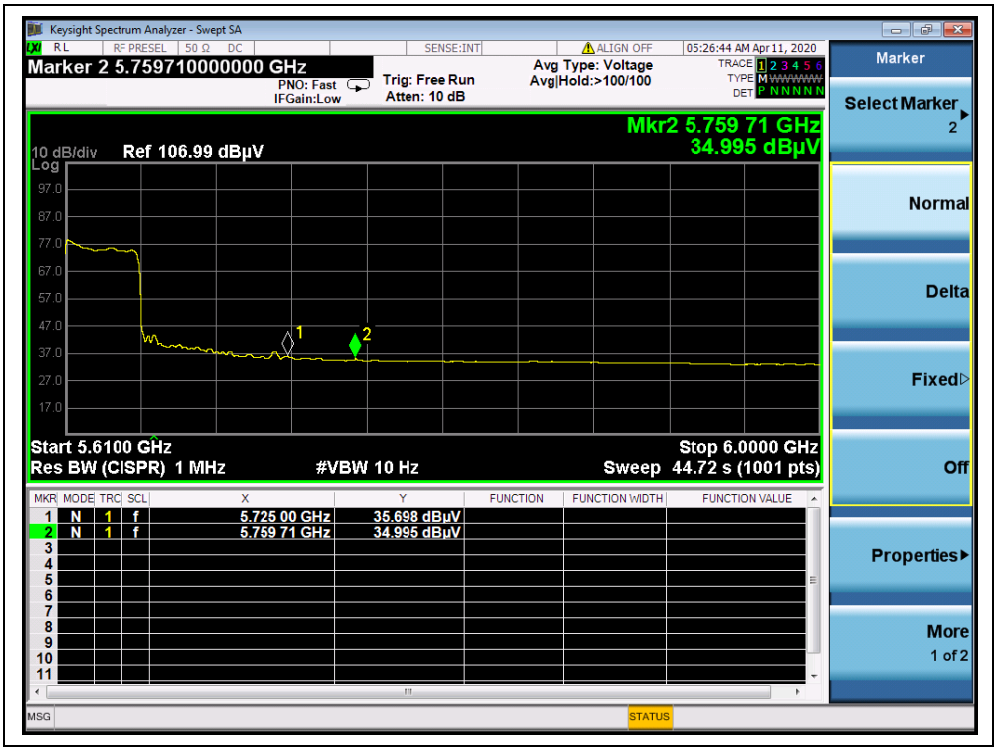


(PEAK,Channel 106, 802.11ac (VHT80))

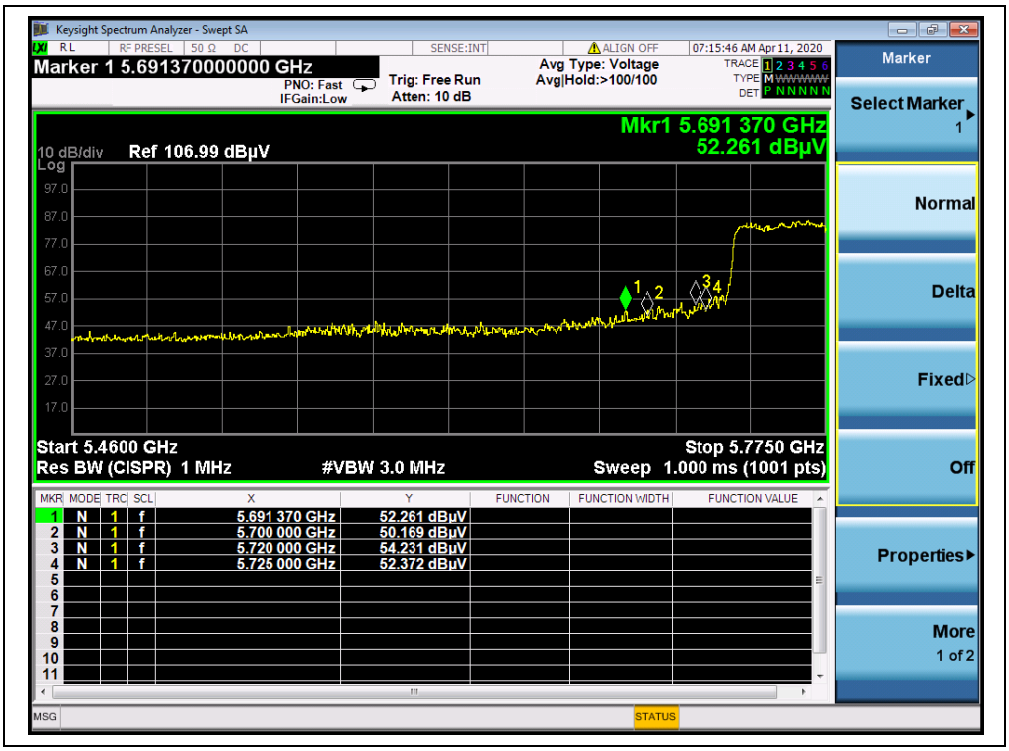
(AVG,Channel 106, 802.11ac (VHT80))



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

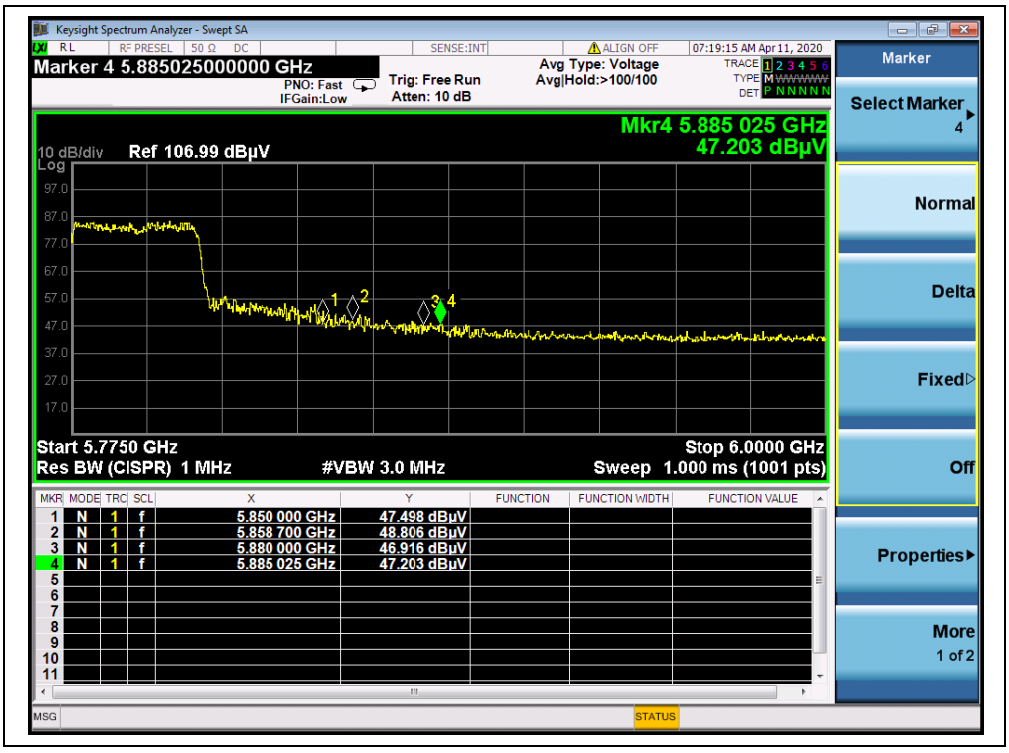


(AVG,Channel 138, 802.11ac (VHT80))

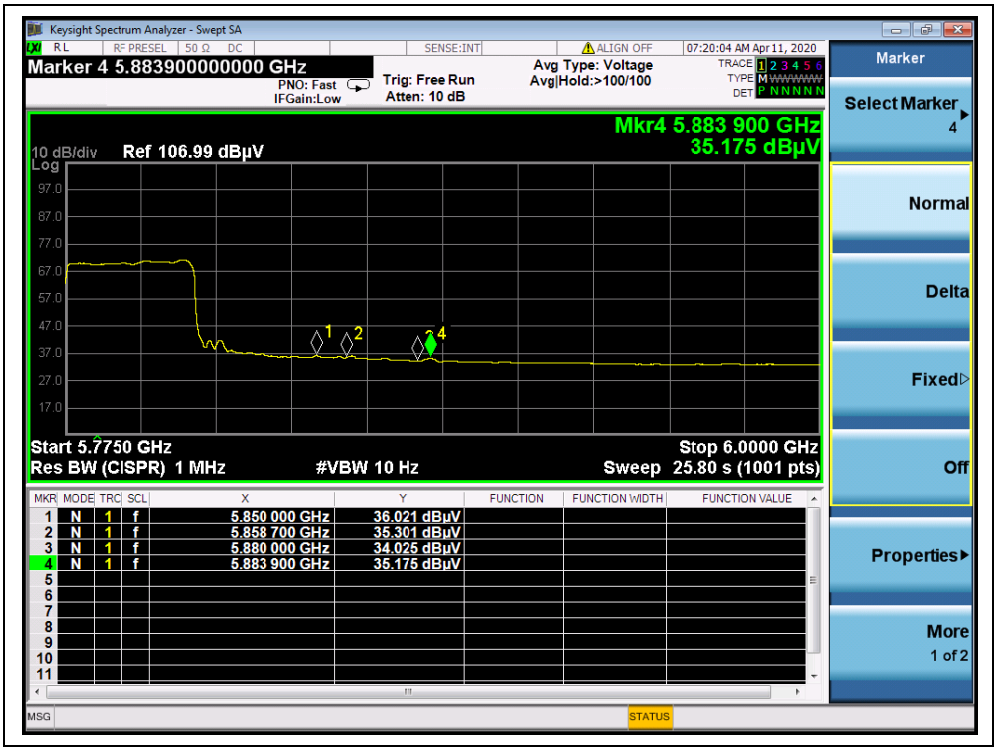


(PEAK,Channel 155, 802.11ac (VHT80))

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



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



(AVG,Channel 155, 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);

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

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:

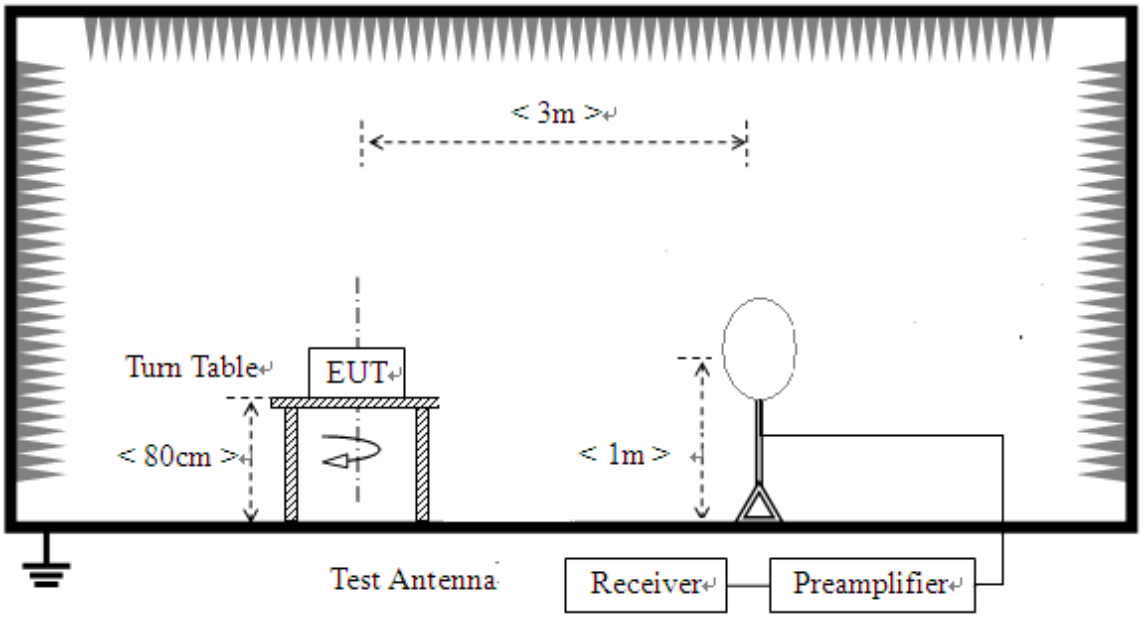
For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

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)

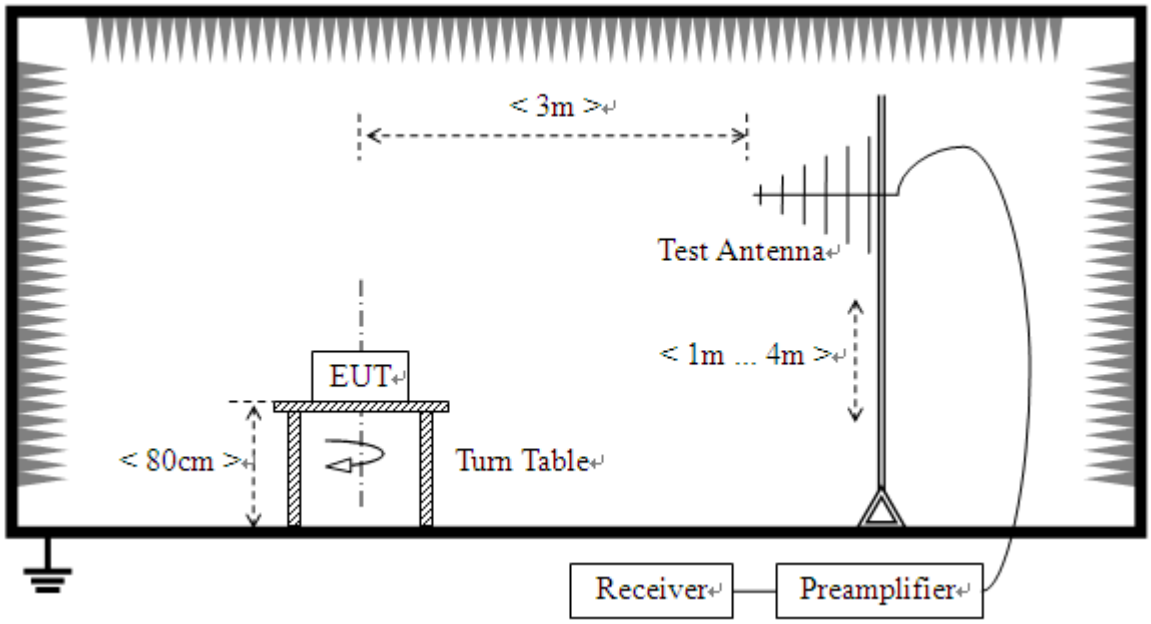
2.9.2. Test Description

TestSetup:

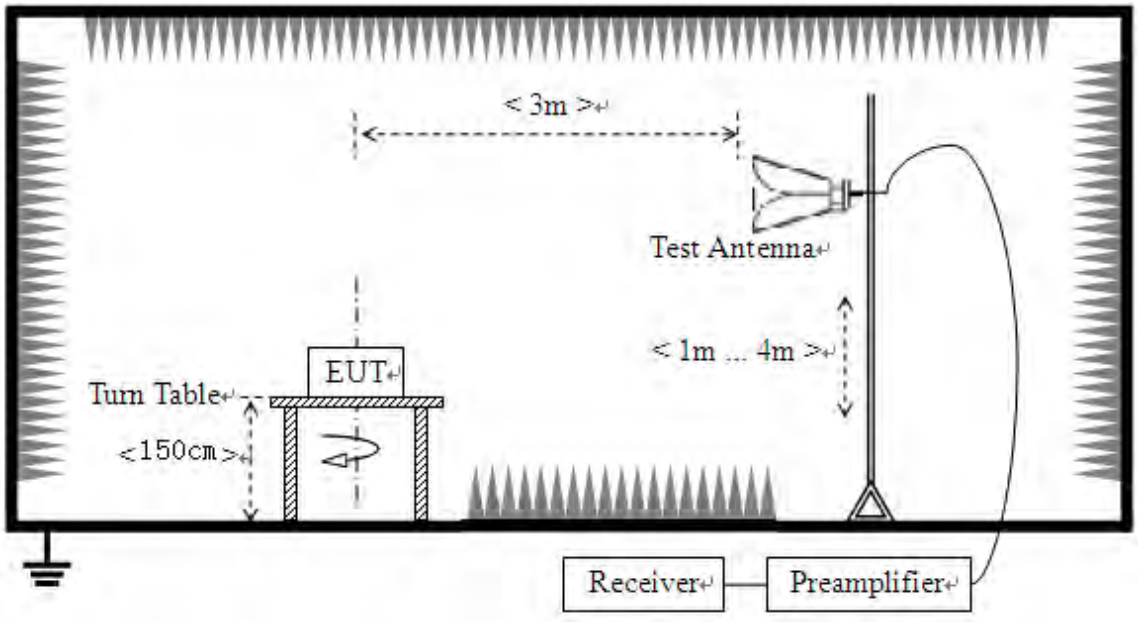
1) For radiated emissions from 9kHz to 30MHz



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:

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

A_T: Total correction Factor except Antenna

U_R: Receiver Reading

G_{preamp}: Preamplifier Gain

A_{Factor}: Antenna Factor at 3m

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

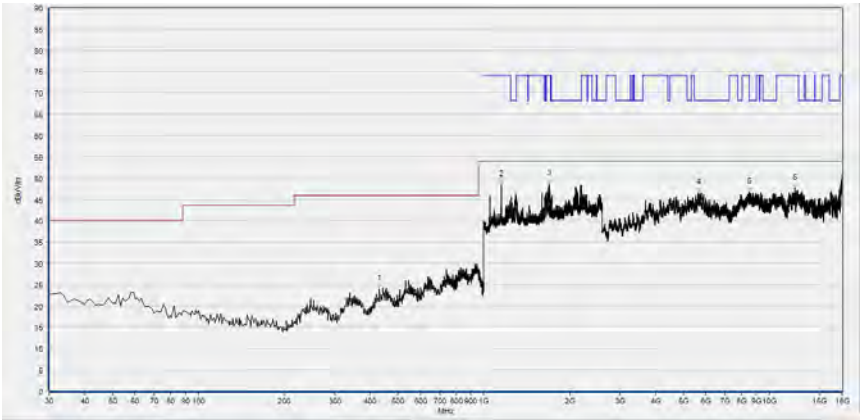
Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

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

Note3: For the frequency,which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limitwas not recorded.

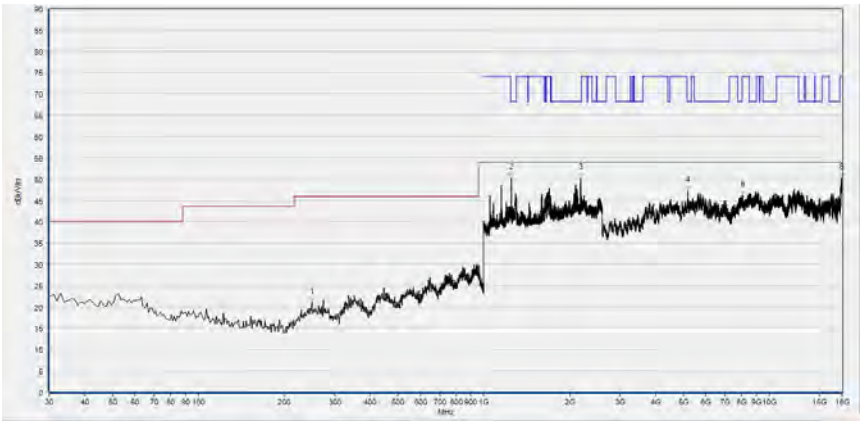
802.11a Test mode

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
431.011	23.95	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1149.917	48.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1691.430	48.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5646.729	46.59	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
8490.138	46.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12300.860	47.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

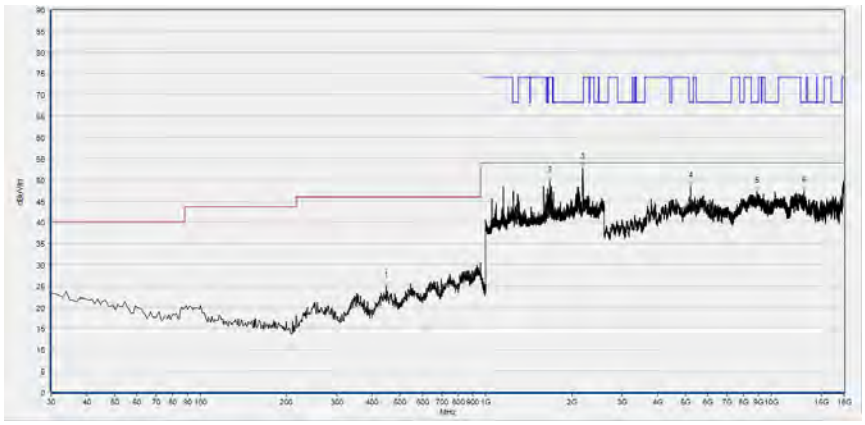
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
249.439	21.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1249.683	50.30	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
2188.129	50.22	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5181.556	47.22	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8080.416	46.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
17947.630	50.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

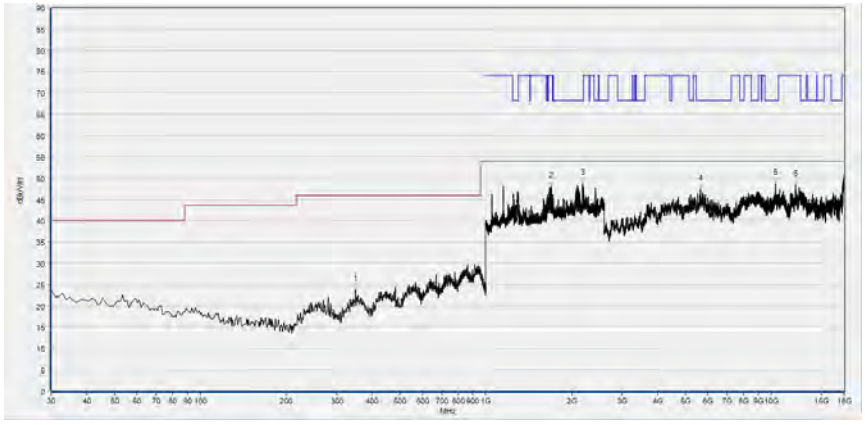
(Antenna Vertical, 30MHz to 18GHz)

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
448.488	25.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1678.093	49.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2189.300	52.74	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5215.443	48.46	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
8906.021	47.24	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
13040.208	47.46	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

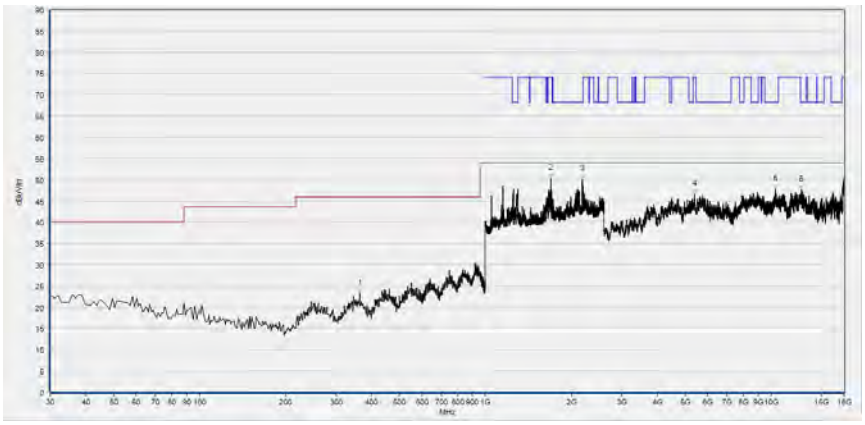
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
349.449	23.88	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
1691.964	48.13	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2189.730	48.81	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5652.891	47.50	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
10332.346	48.72	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12162.232	48.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

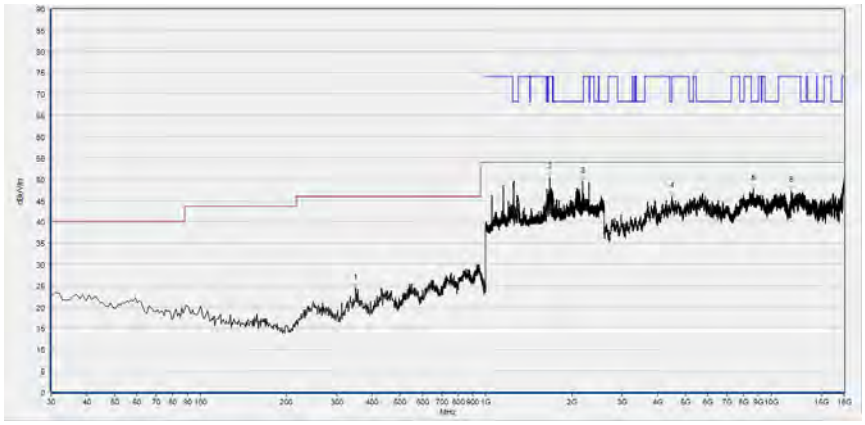
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 48



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
363.043	23.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1693.565	50.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2185.462	50.16	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5403.361	46.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10360.072	47.72	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12722.905	47.53	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

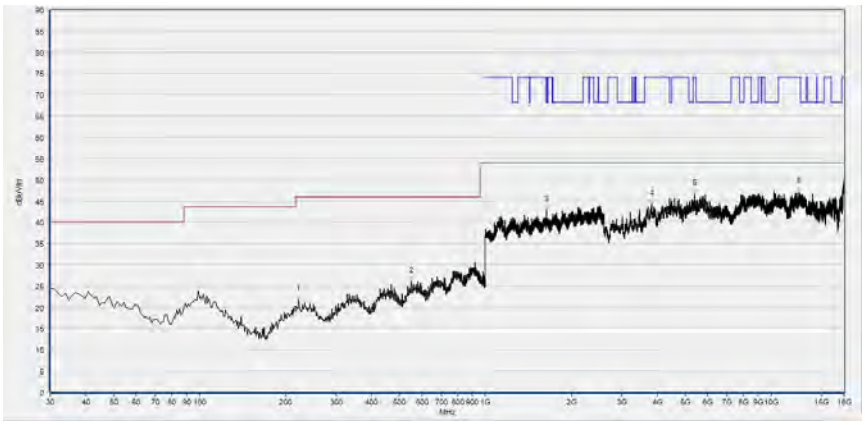
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
349.449	24.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1673.291	50.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2184.395	49.45	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4488.418	45.97	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8644.169	47.83	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
11752.511	47.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

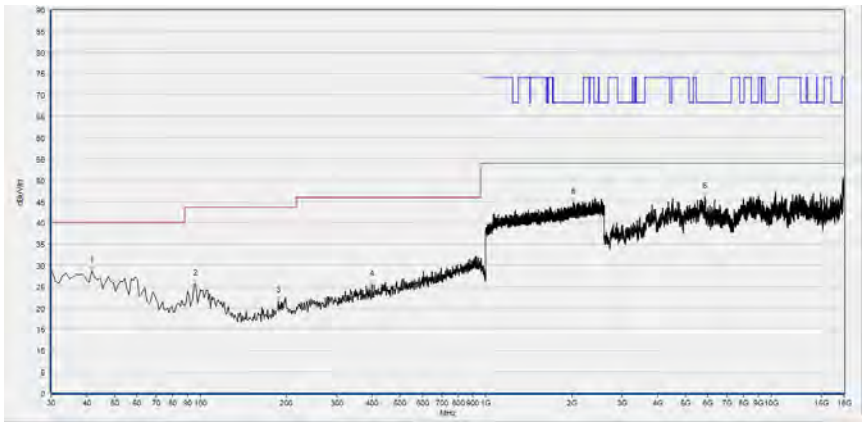
(Antenna Vertical, 30MHz to 18GHz)

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
222.252	21.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
551.411	26.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1636.479	42.95	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
3816.843	44.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5397.199	46.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12525.745	47.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

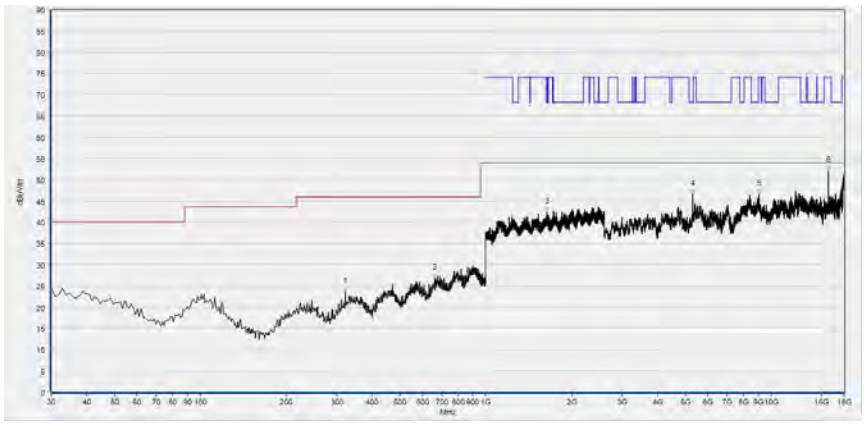
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
114.474	22.46	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
425.185	23.37	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1245.949	41.87	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
2127.309	42.83	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5659.052	46.06	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12525.745	47.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

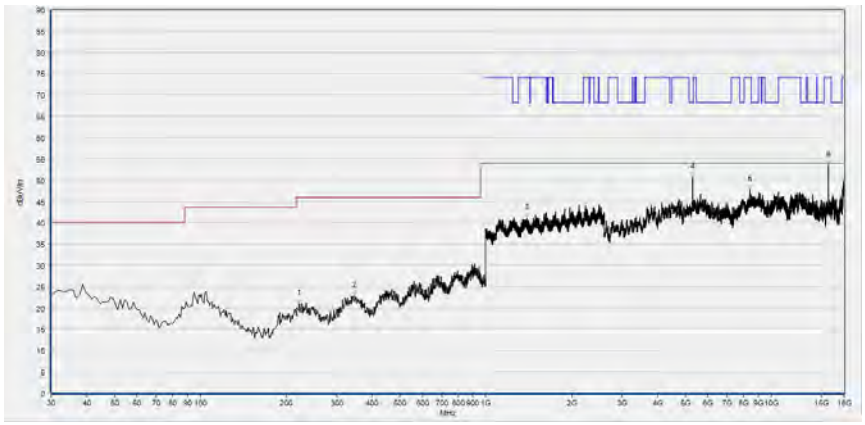
(Antenna Vertical, 30MHz to 18GHz)

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
322.262	23.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
664.044	26.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1640.213	42.36	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5298.620	46.51	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
9056.971	46.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15900.000	46.54	N/A	37.37	74.00	N/A	54.00	Horizontal	PASS

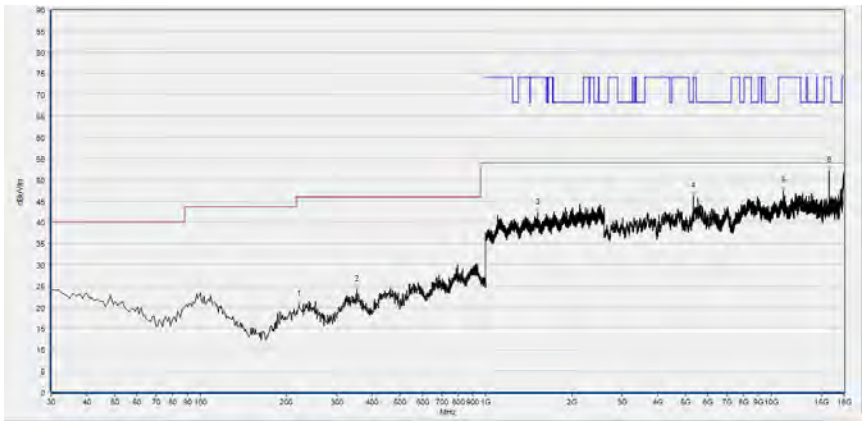
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
222.252	20.88	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
347.508	22.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1392.664	40.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5298.620	50.55	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8416.203	47.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15900.000	49.10	N/A	42.39	74.00	N/A	54.00	Vertical	PASS

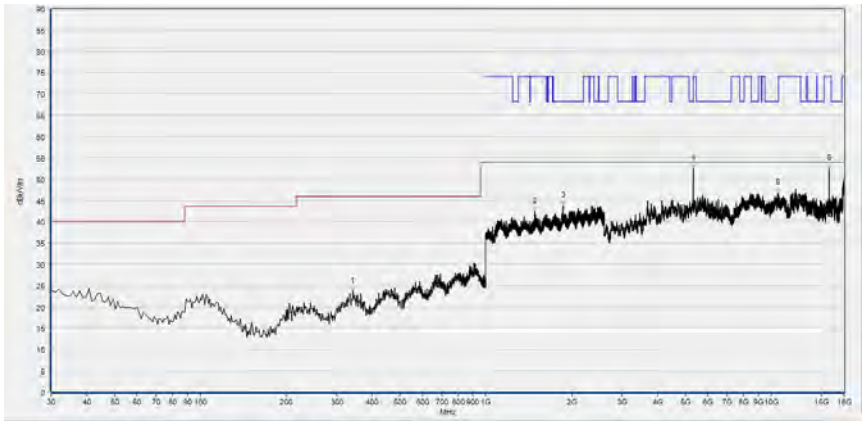
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 64



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
221.281	20.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
353.333	24.06	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1515.372	42.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5320.184	46.11	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
11007.001	47.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15960.001	47.75	N/A	38.22	74.00	N/A	54.00	Horizontal	PASS

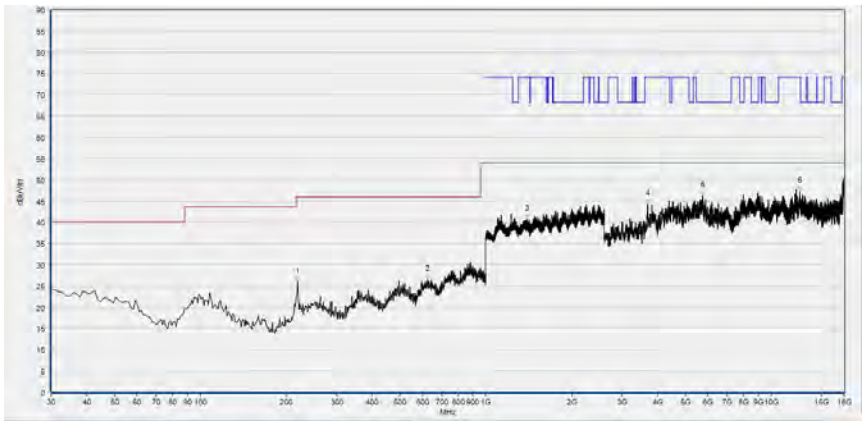
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
341.682	23.63	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1483.895	42.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1864.288	43.77	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5320.100	52.66	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
10554.151	46.74	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
15960.001	49.87	N/A	41.28	74.00	N/A	54.00	Vertical	PASS

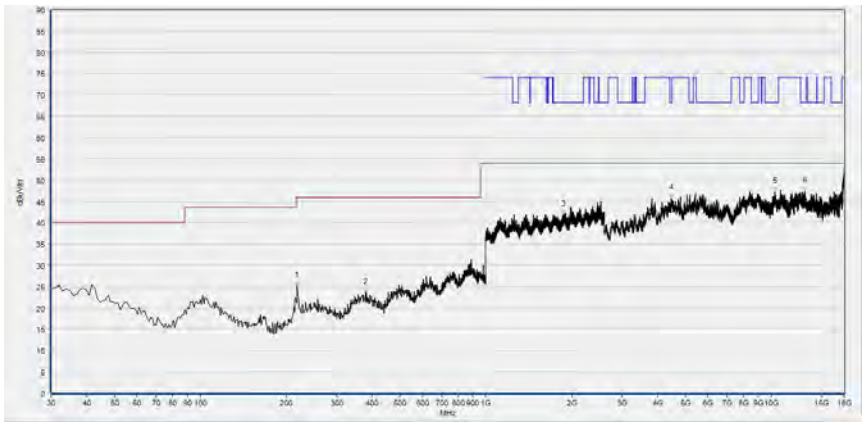
(Antenna Vertical, 30MHz to 18GHz)

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
219.339	26.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
625.205	26.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1393.198	40.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3693.619	44.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5748.390	46.32	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12596.599	47.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

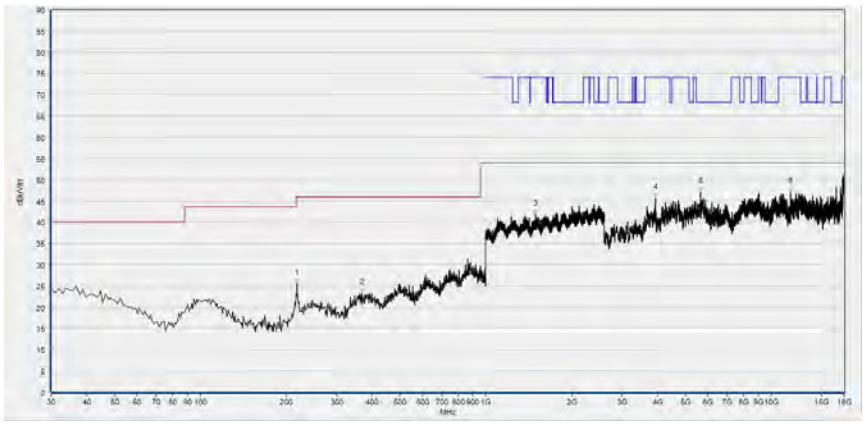
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
218.368	25.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
379.550	23.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1870.157	41.83	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4463.773	45.71	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
10298.460	47.28	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
13086.417	47.45	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

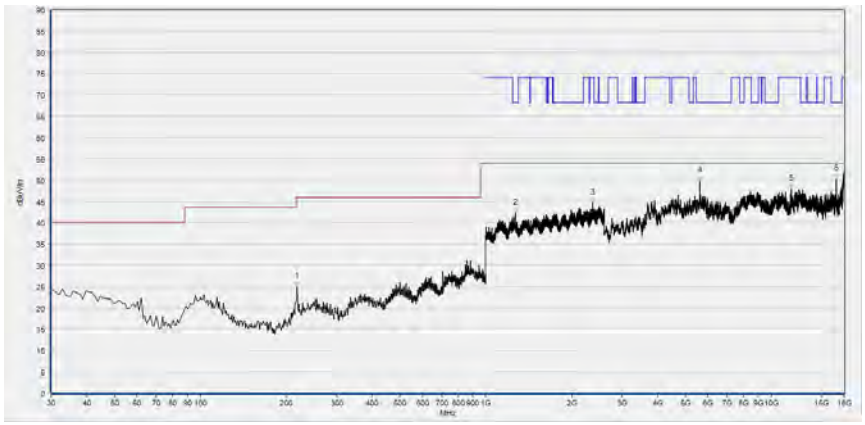
(Antenna Vertical, 30MHz to 18GHz)

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
218.368	25.51	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
368.869	23.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1491.364	41.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3921.584	45.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5640.568	47.17	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
11712.462	47.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

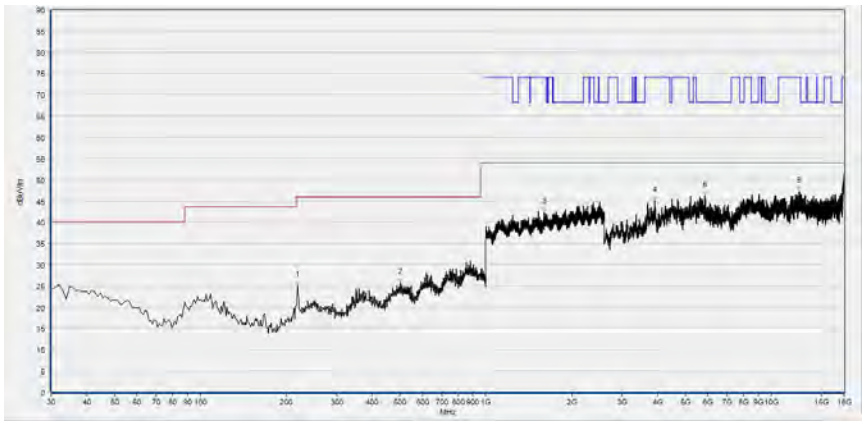
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
218.368	25.02	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1267.823	42.32	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
2365.255	44.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5619.004	49.70	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
11758.672	47.90	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16860.172	50.34	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

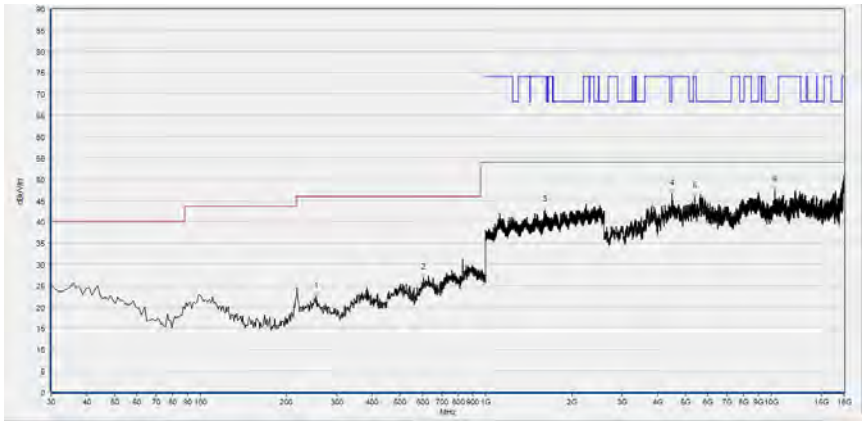
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 144



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	25.18	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
501.892	25.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1596.465	42.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3906.181	45.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5856.211	46.20	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12519.584	47.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

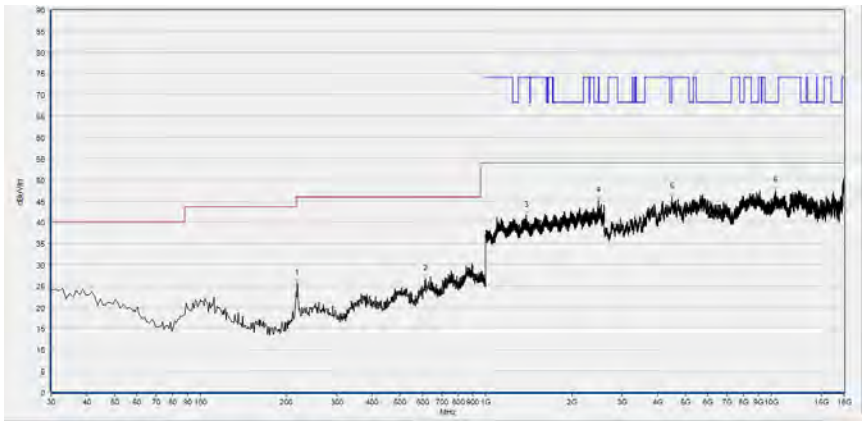
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
254.294	22.44	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
605.786	26.86	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1613.004	42.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4479.176	46.64	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5403.361	45.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10313.863	47.43	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

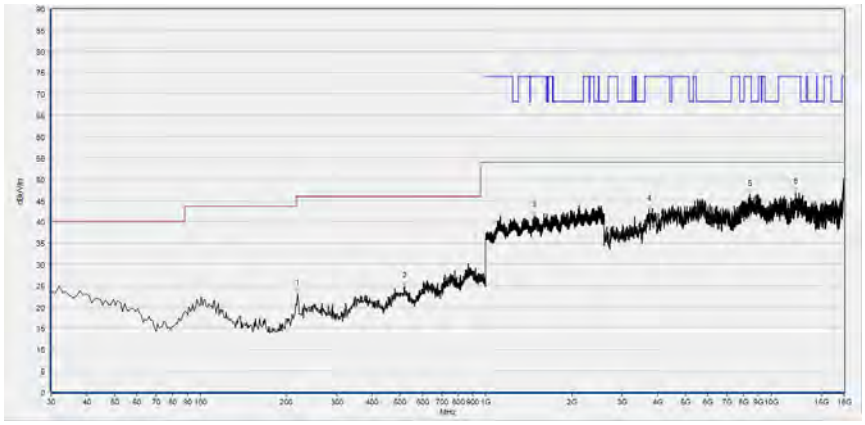
(Antenna Vertical, 30MHz to 18GHz)

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
218.368	25.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
615.495	26.64	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1384.662	41.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2480.493	45.02	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4488.418	45.90	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
10356.991	47.37	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

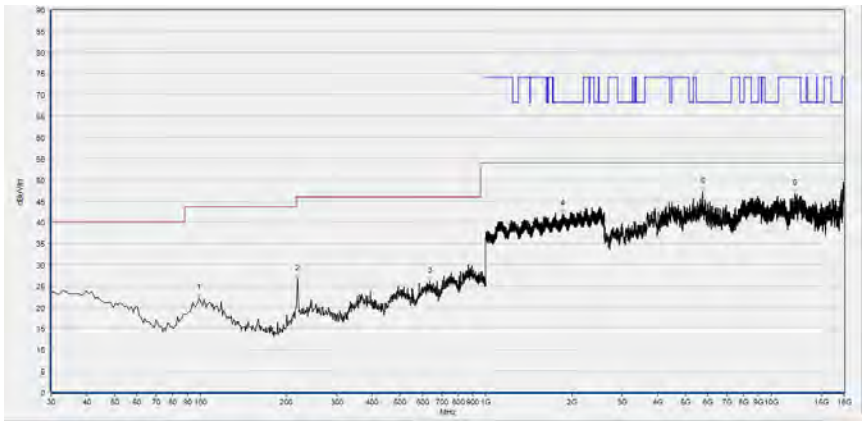
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	23.05	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
519.369	24.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1476.425	41.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3727.506	42.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8425.445	46.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12196.119	46.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

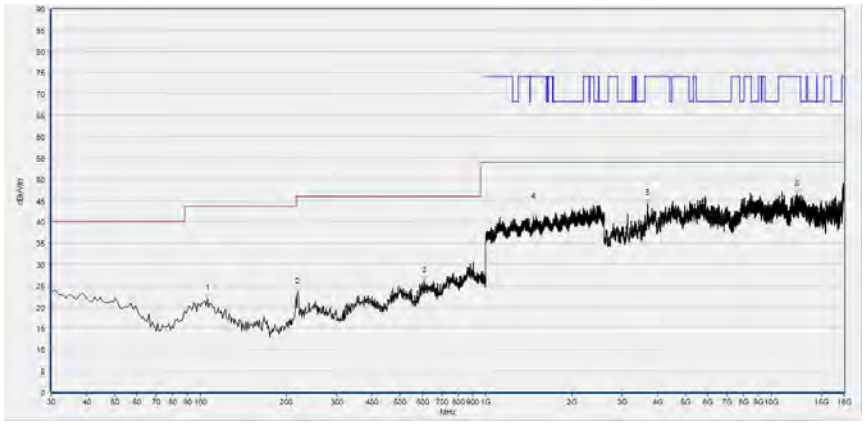
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 157



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.939	22.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	26.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
634.915	26.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1862.154	41.92	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5760.712	47.13	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12072.895	46.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

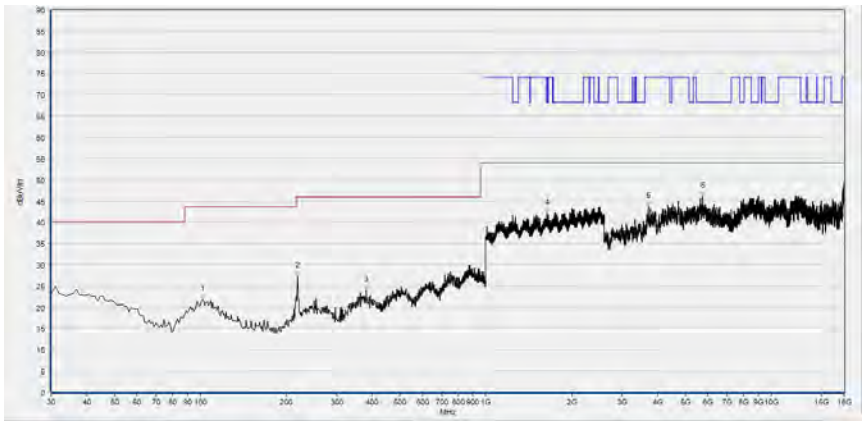
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	21.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	23.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
607.728	26.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1466.822	41.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3690.538	44.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12273.135	46.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

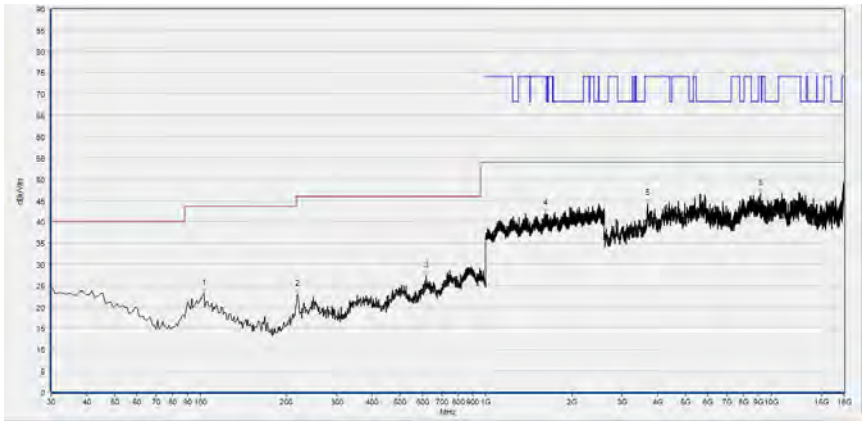
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 165



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.852	21.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	27.34	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
381.491	23.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1638.613	42.03	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
3712.102	43.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5763.793	46.04	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

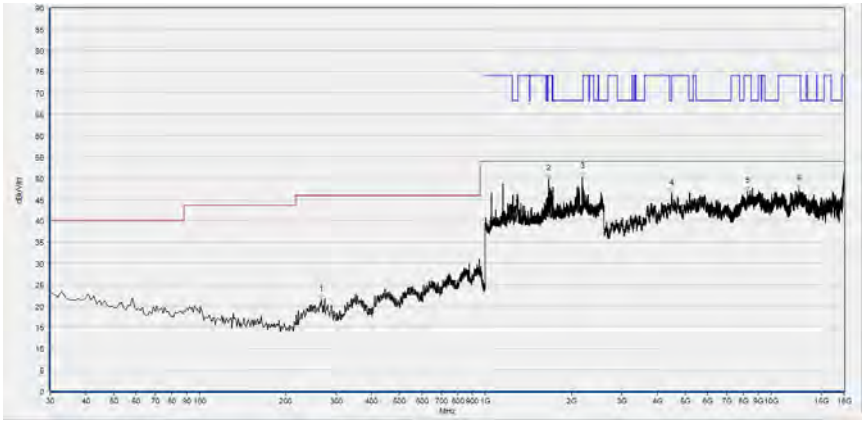


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	23.07	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	22.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
619.379	27.25	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1618.339	41.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3690.538	44.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9161.712	46.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

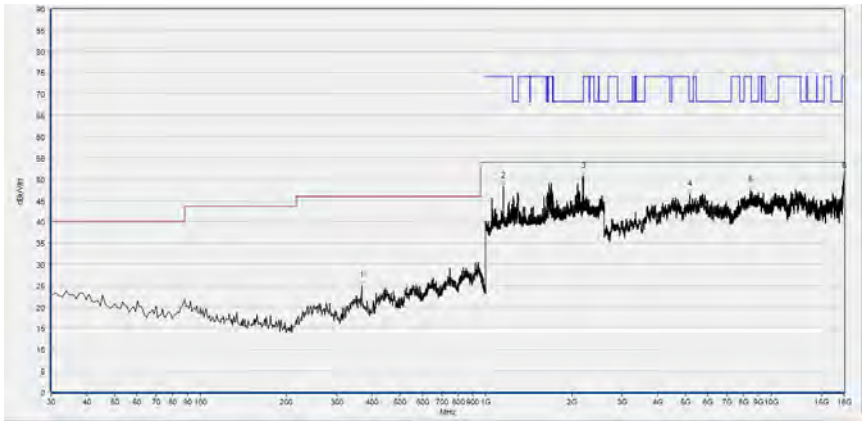
802.11n (HT20) Test mode

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
266.917	21.41	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1669.023	49.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2183.861	50.25	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4500.740	46.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8289.898	46.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12534.987	47.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

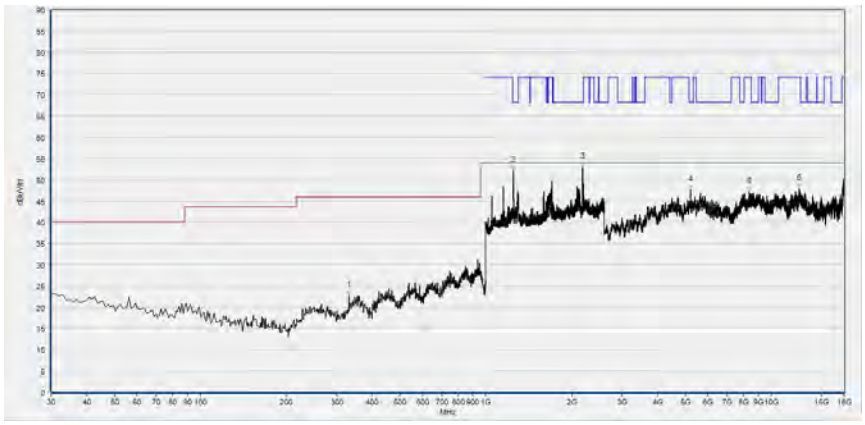
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
367.898	24.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1149.917	48.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2191.864	50.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5181.556	46.36	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
8459.332	47.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
17966.113	50.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

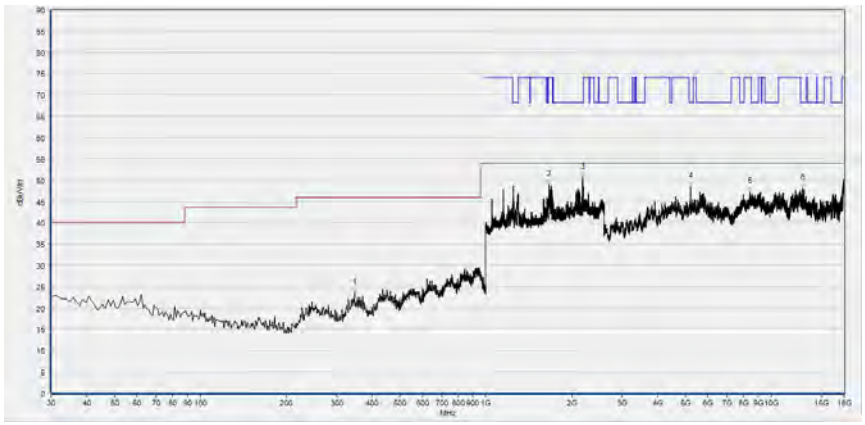
(Antenna Vertical, 30MHz to 18GHz)

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
331.001	22.88	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1248.200	52.16	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
2188.800	53.24	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5212.362	47.57	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
8385.397	47.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12498.020	47.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

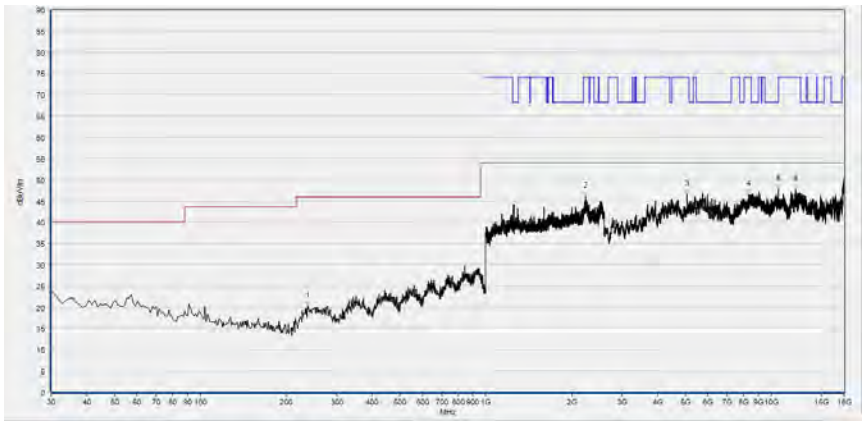
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
346.537	23.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1666.889	48.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2186.529	50.54	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5221.604	48.39	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8406.961	47.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12880.016	48.06	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

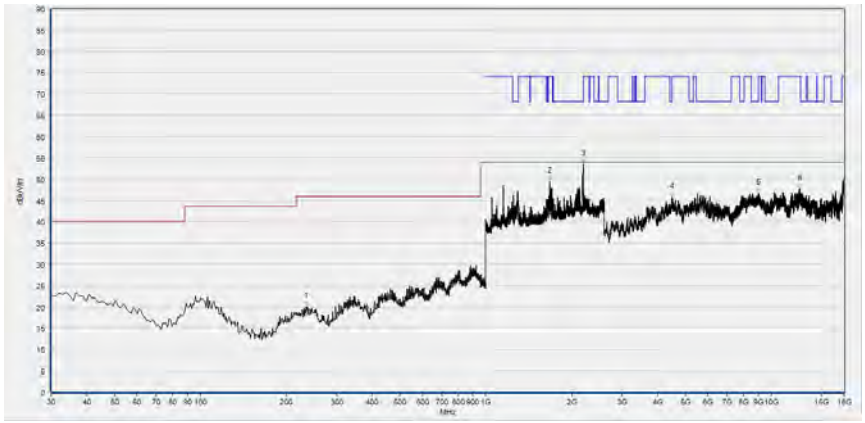
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 48



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
236.817	20.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2238.813	46.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5076.815	46.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8339.188	46.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10563.393	47.78	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12152.991	47.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

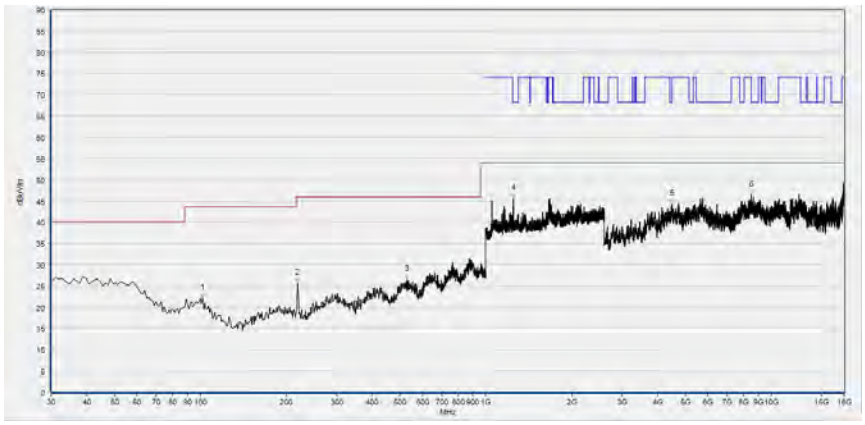
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
234.875	20.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1671.691	49.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2189.700	53.78	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4476.095	45.74	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8998.440	46.73	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12596.599	47.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

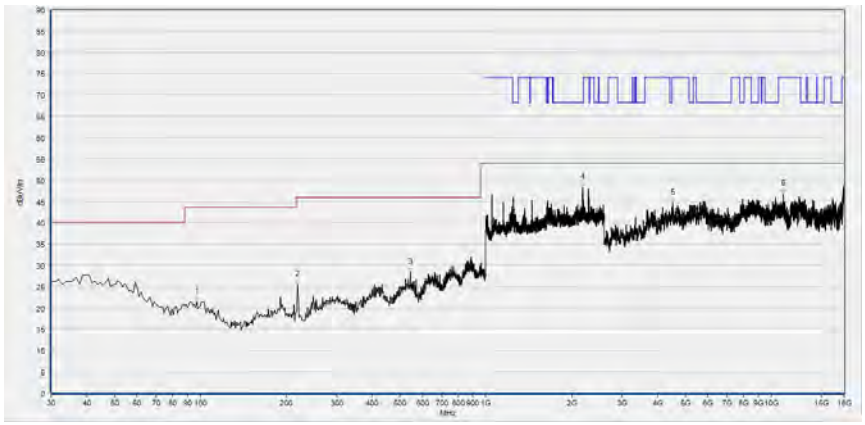
(Antenna Vertical, 30MHz to 18GHz)

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
101.852	22.19	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	25.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
528.108	26.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1247.016	45.54	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4485.337	44.18	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
8505.541	46.36	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

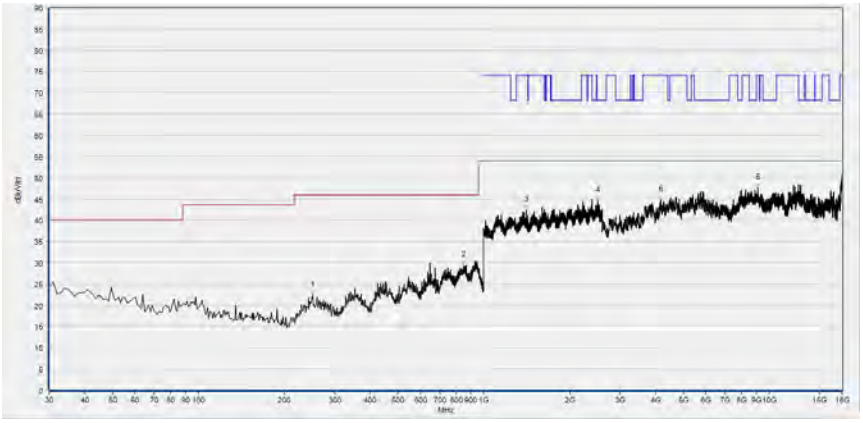
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
96.997	21.50	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	25.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
544.615	28.28	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2187.062	48.24	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4519.224	44.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11003.921	46.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

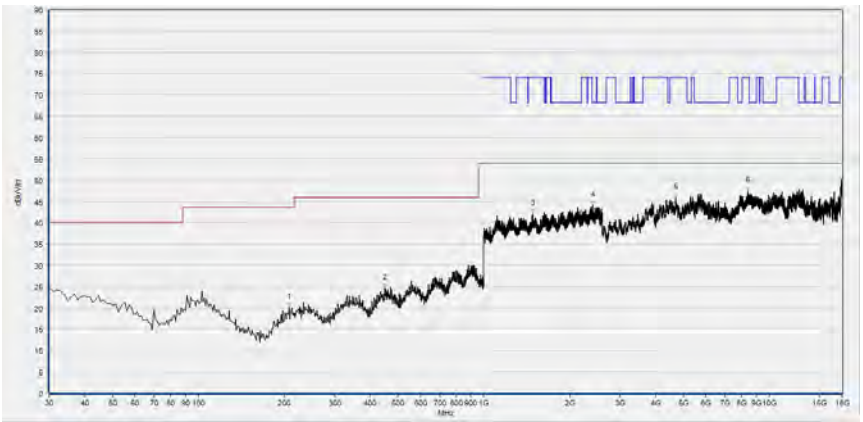
(Antenna Vertical, 30MHz to 18GHz)

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
251.381	22.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
850.470	29.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1407.069	42.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2504.502	44.51	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4161.872	44.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9109.342	47.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

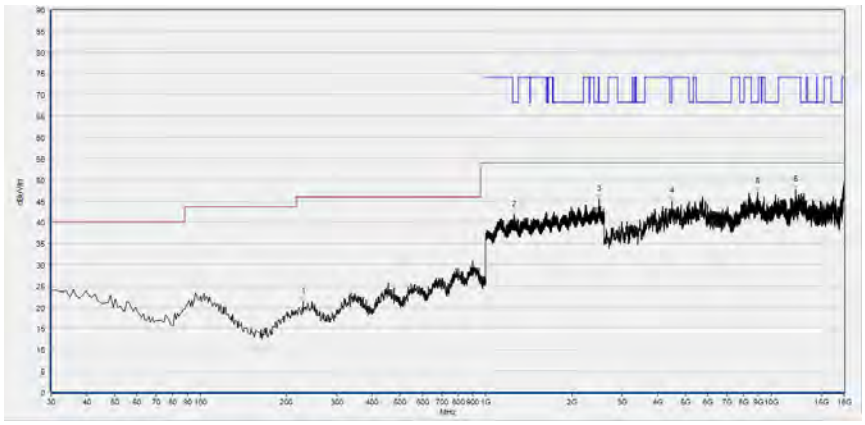
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
207.688	20.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
449.459	24.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1485.495	42.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2404.201	44.01	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4707.141	45.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8391.558	47.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

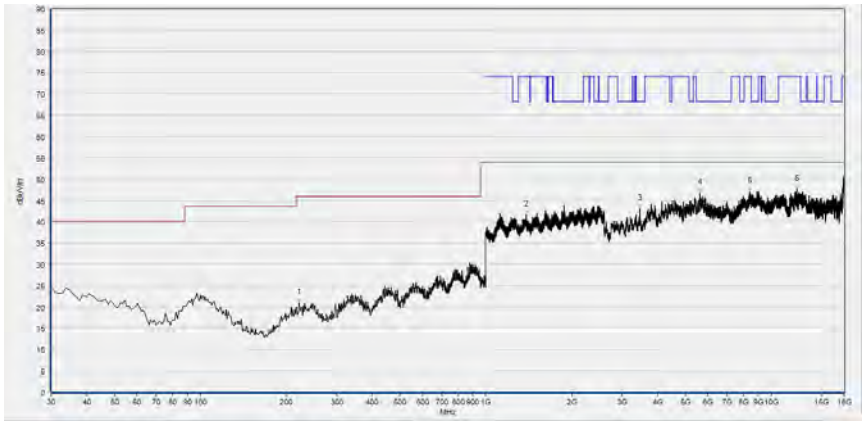
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 64



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
229.049	21.24	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1255.552	41.81	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
2496.499	45.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4482.256	44.95	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
8970.714	47.11	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12134.507	47.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

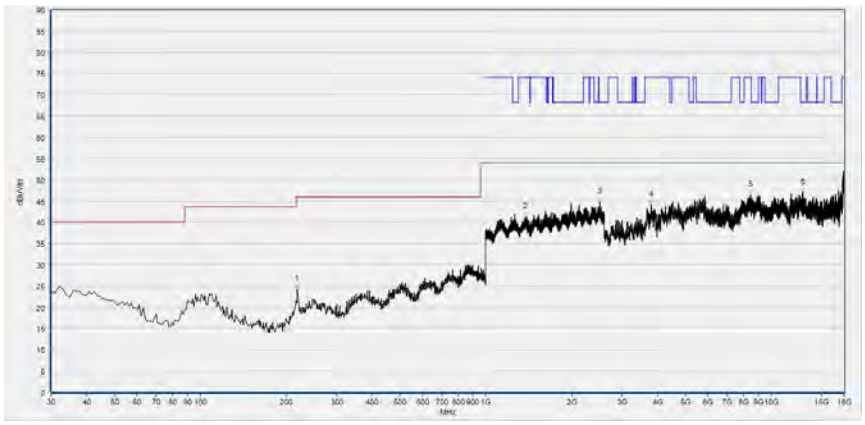
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
222.252	21.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1386.262	41.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3468.734	43.05	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5628.246	46.75	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8416.203	47.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12294.699	47.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

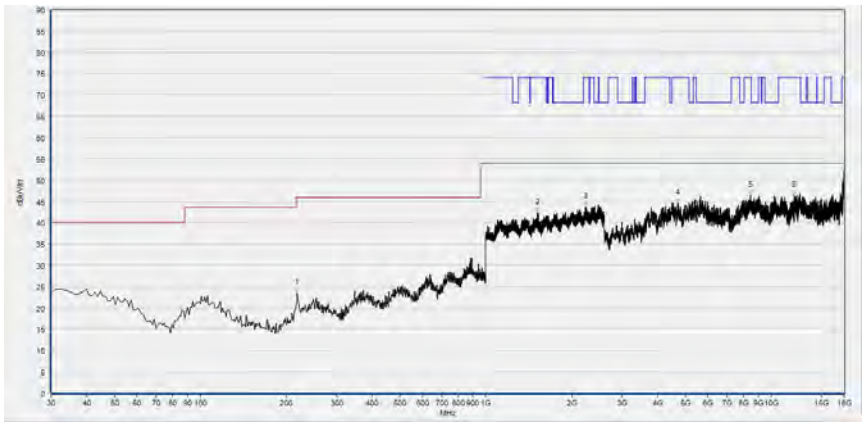
(Antenna Vertical, 30MHz to 18GHz)

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
218.368	24.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1376.659	41.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2507.703	44.80	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
3798.360	44.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8471.654	46.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12880.016	46.85	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

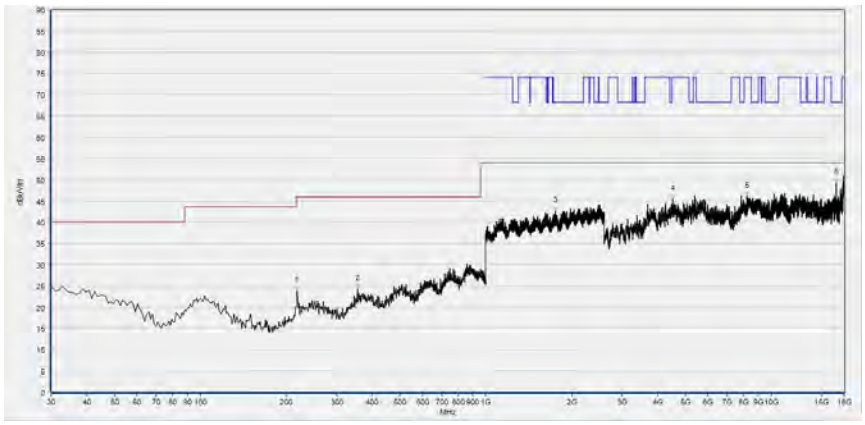
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
218.368	23.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1519.640	42.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2235.612	43.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4713.303	44.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8462.412	46.37	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12057.491	46.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

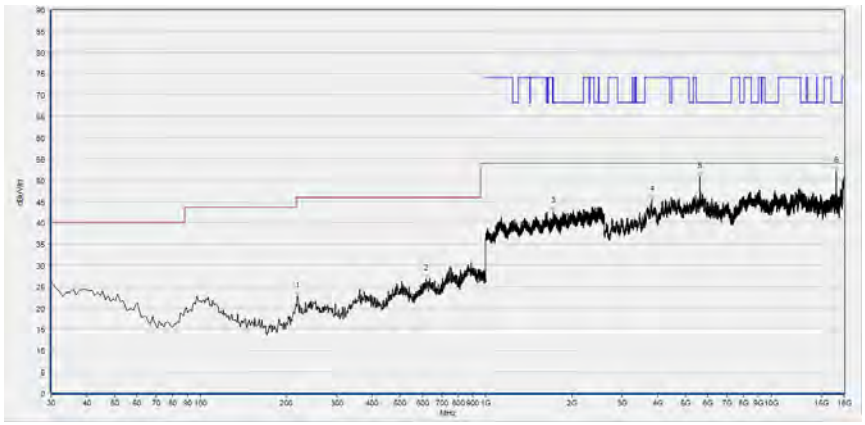
(Antenna Vertical, 30MHz to 18GHz)

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
218.368	23.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
355.275	24.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1751.717	42.56	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4503.821	45.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8225.205	46.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16860.172	49.32	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

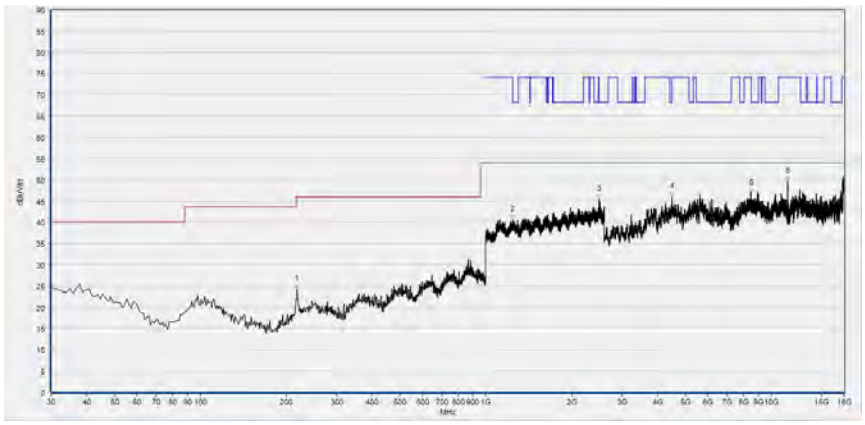
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	22.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
616.466	26.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1724.508	42.62	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
3810.682	45.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5619.004	50.79	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
16860.172	52.10	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

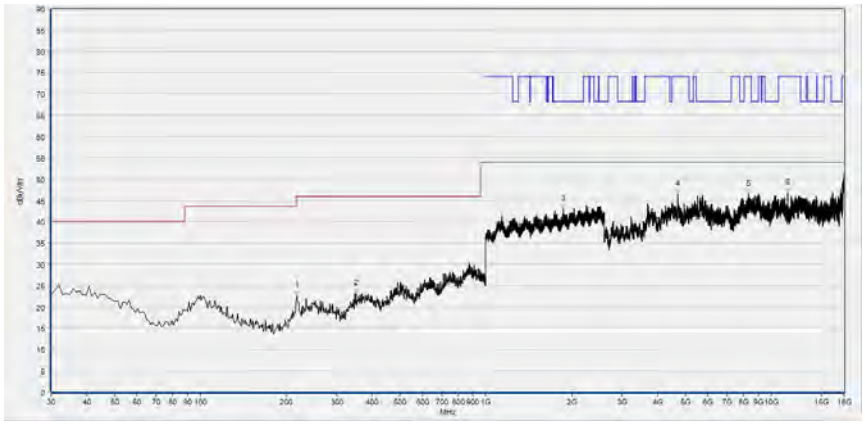
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 144



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
218.368	24.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1242.748	40.58	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
2492.764	45.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4494.579	45.91	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
8487.057	46.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11441.368	49.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

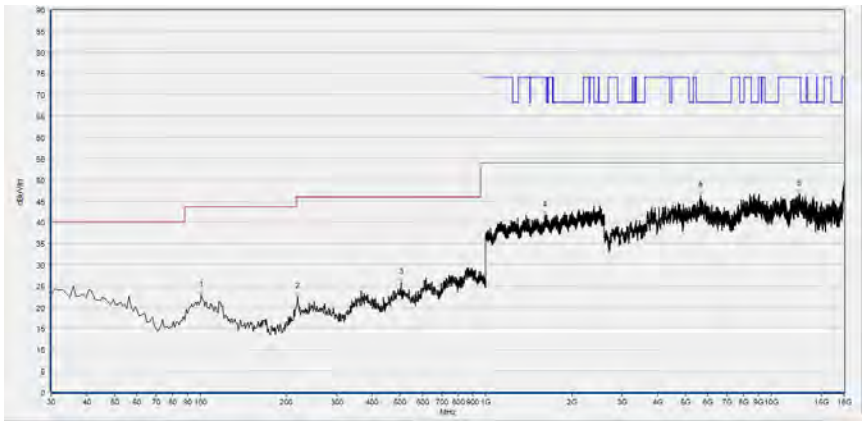
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
218.368	22.60	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
350.420	23.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1871.224	42.90	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4713.303	46.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8323.785	46.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11441.368	46.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

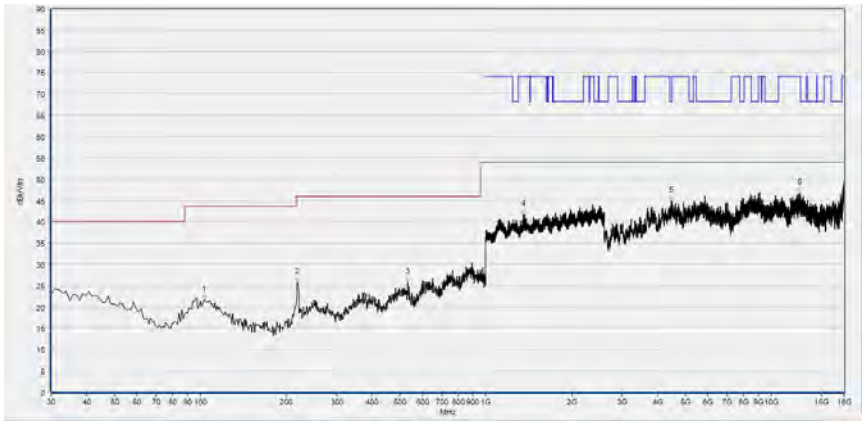
(Antenna Vertical, 30MHz to 18GHz)

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
100.881	22.87	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	22.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
503.834	25.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1611.404	41.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5668.294	46.26	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12522.665	46.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

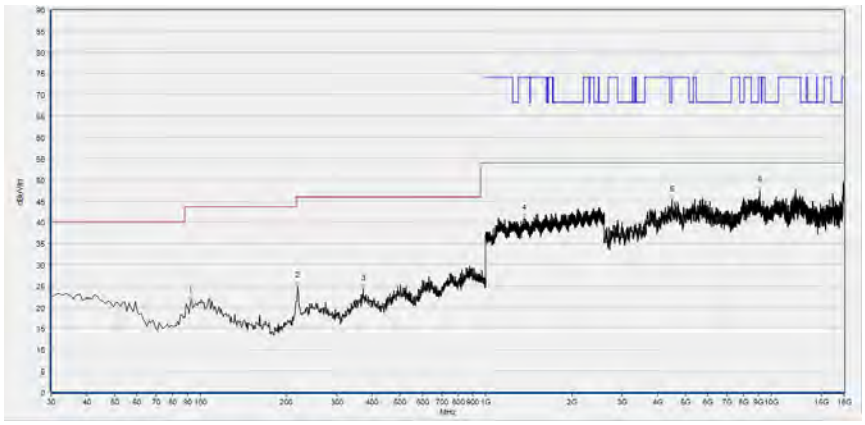
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	21.57	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	25.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
532.963	25.77	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1352.651	41.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4466.853	44.87	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12578.116	46.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

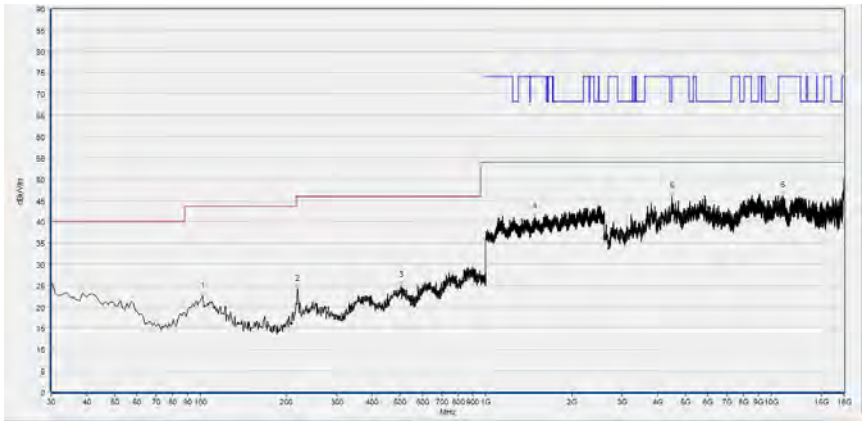
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 157



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
92.142	21.50	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	24.94	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
371.782	24.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1358.520	40.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4491.498	45.31	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
9093.939	47.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

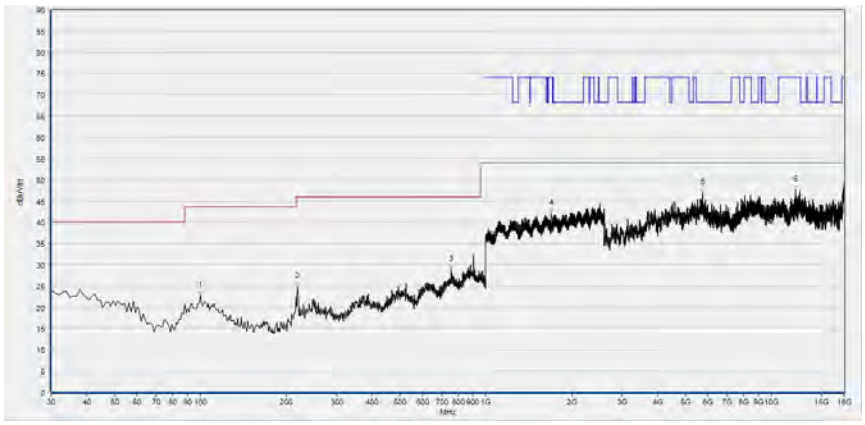
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.852	22.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	24.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
503.834	24.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1486.029	41.13	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4488.418	45.94	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
10979.276	46.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

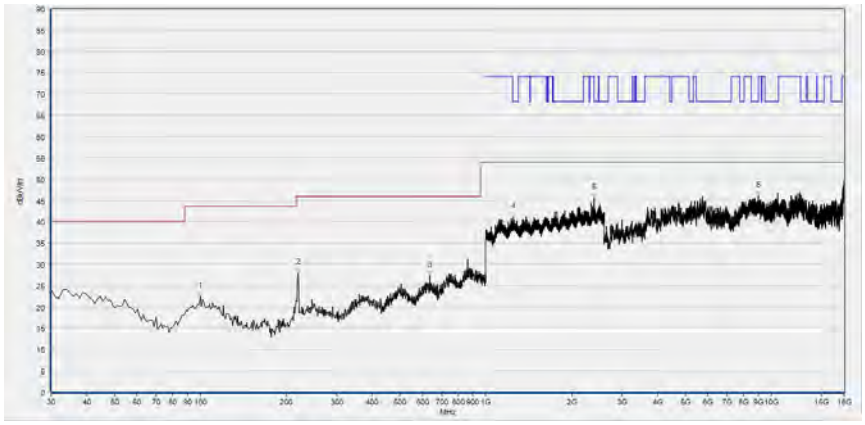
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 165



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	22.74	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	24.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
756.286	28.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1690.363	42.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5757.632	46.86	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12152.991	47.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

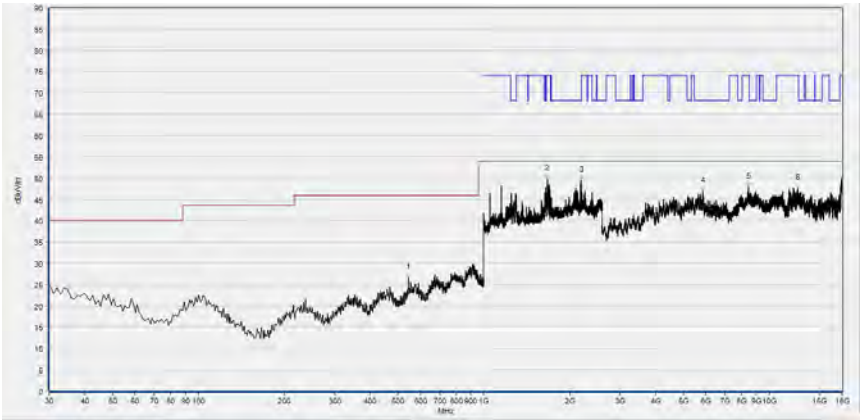


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	22.51	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
220.310	27.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
635.886	27.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1251.817	41.12	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
2396.732	45.64	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8995.359	46.15	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

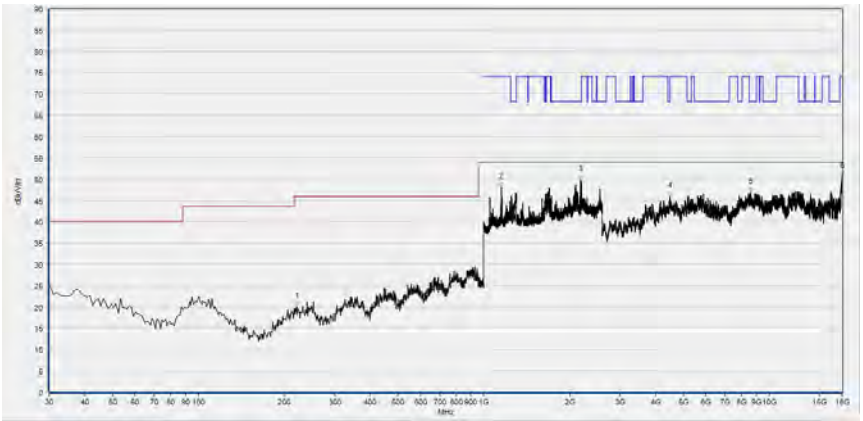
802.11n (HT40) Test mode

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
544.615	26.61	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1670.090	49.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2190.263	49.42	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5862.372	46.89	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
8456.251	47.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12605.841	47.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

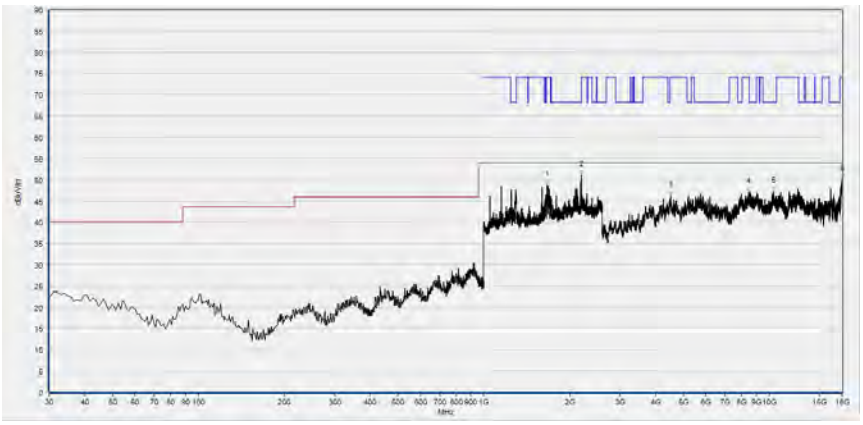
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
221.281	20.15	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1149.917	48.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2181.194	49.74	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4476.095	45.89	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8622.605	46.87	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
18000.000	50.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

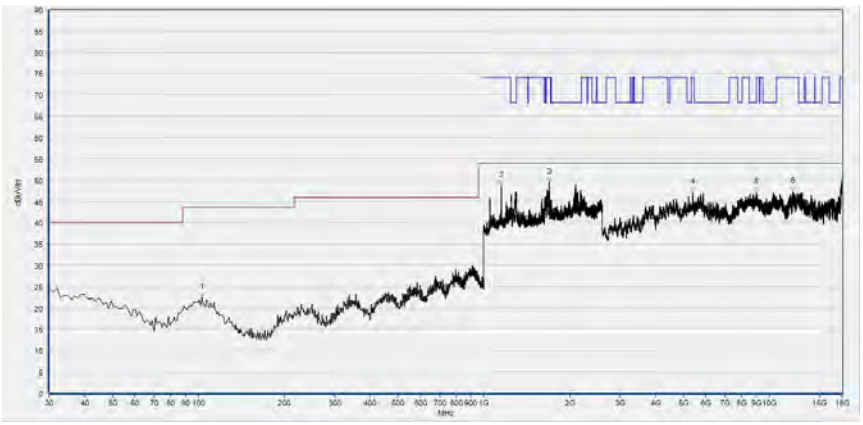
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 46



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
1663.688	48.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2190.797	51.00	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4509.982	46.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8462.412	47.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10360.072	47.24	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
17978.436	50.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

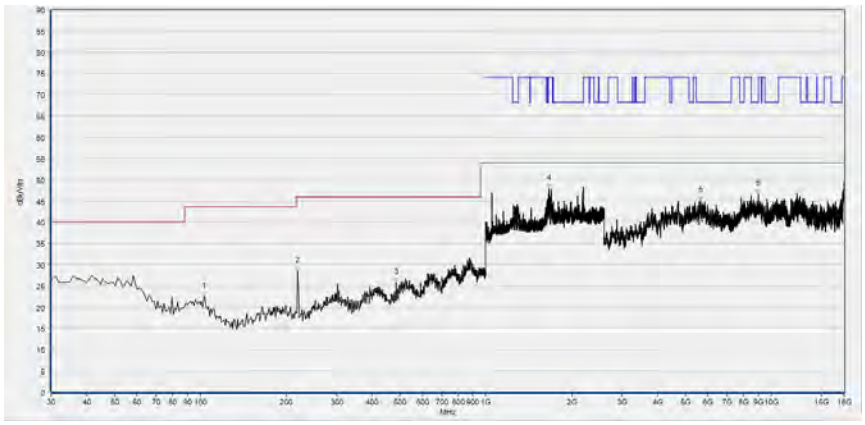
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	22.43	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1149.917	48.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1698.900	49.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5403.361	47.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9013.843	47.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12060.572	47.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

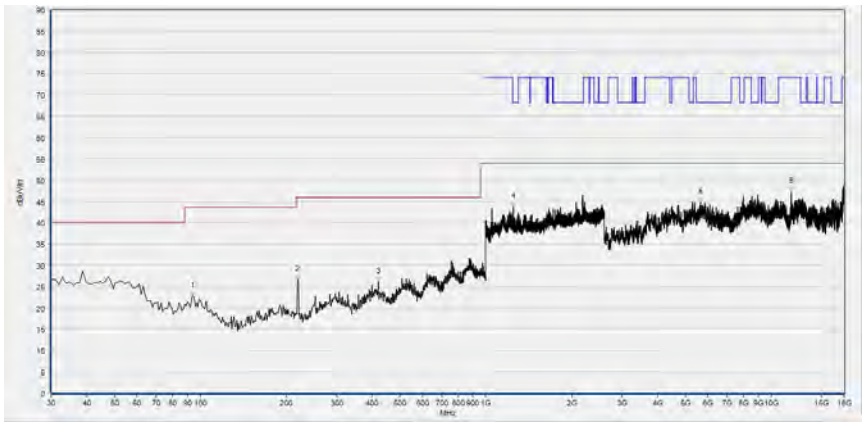
(Antenna Vertical, 30MHz to 18GHz)

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
102.823	22.45	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	28.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
485.385	25.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1668.489	48.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5643.649	45.11	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
8995.359	46.56	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

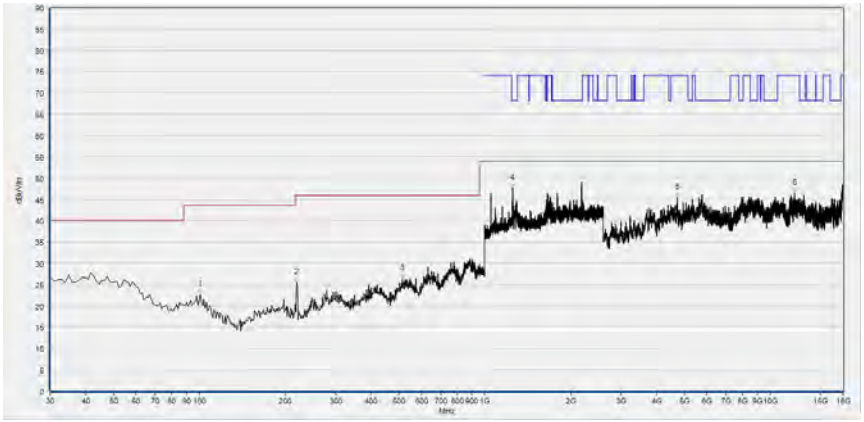
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
94.084	22.76	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	26.57	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
420.330	26.07	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1249.683	43.76	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5640.568	44.80	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
11727.866	47.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

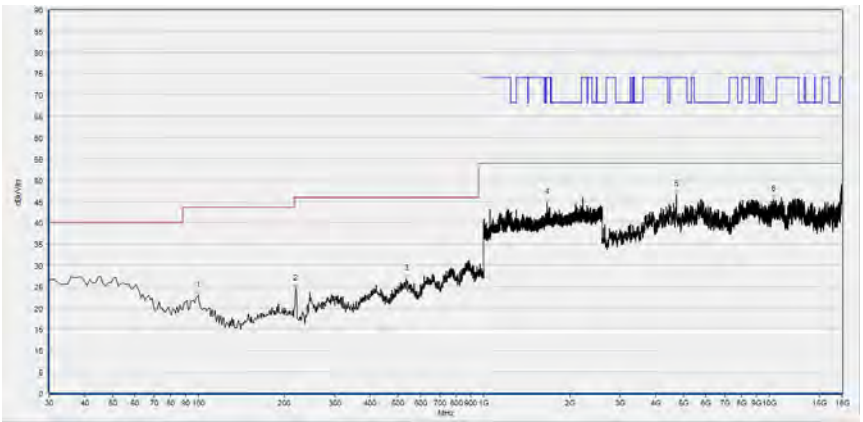
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 62



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	22.54	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	25.48	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
515.485	26.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1251.817	47.62	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4722.545	45.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12146.829	46.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

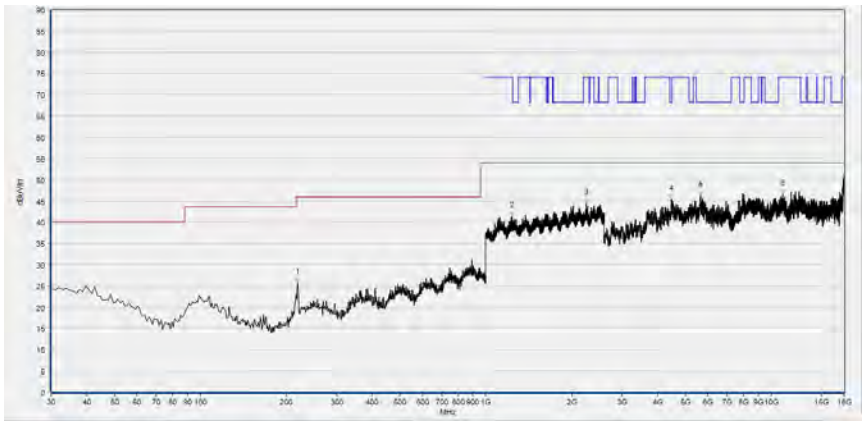
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	22.99	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	24.39	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
535.876	26.77	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1670.090	44.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4722.545	46.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10372.394	45.39	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

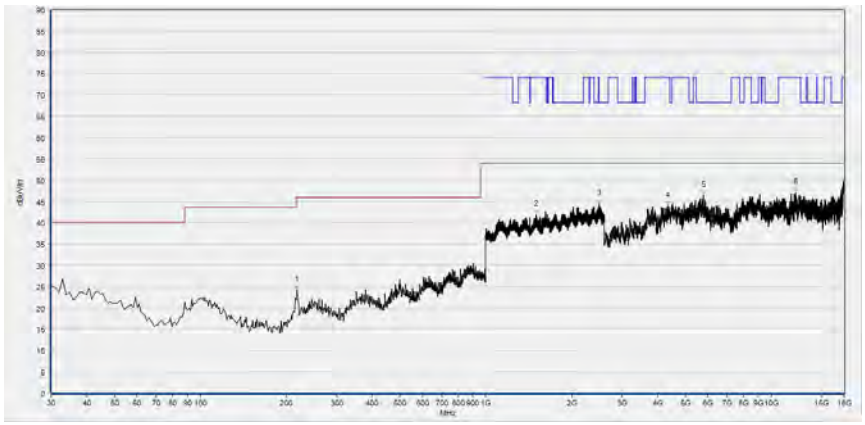
(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 102



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	25.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1232.077	41.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2243.081	44.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4473.015	45.39	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5640.568	46.23	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
10948.470	46.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

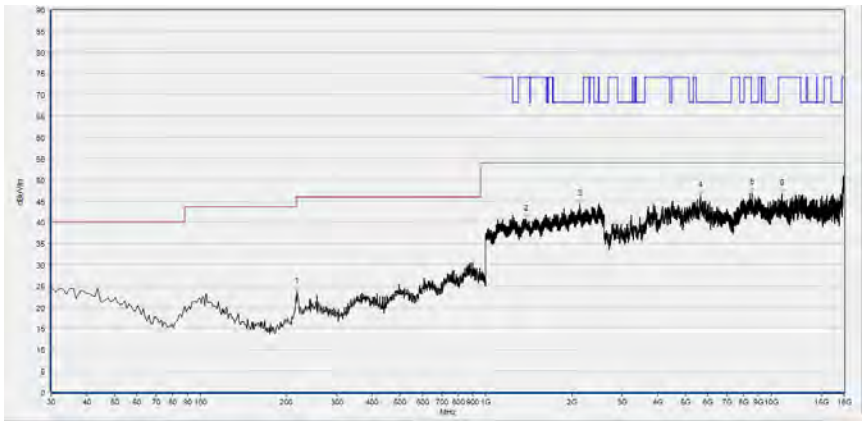
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
218.368	24.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1505.235	41.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2497.032	44.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4346.709	43.98	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5779.196	46.49	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12186.877	47.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

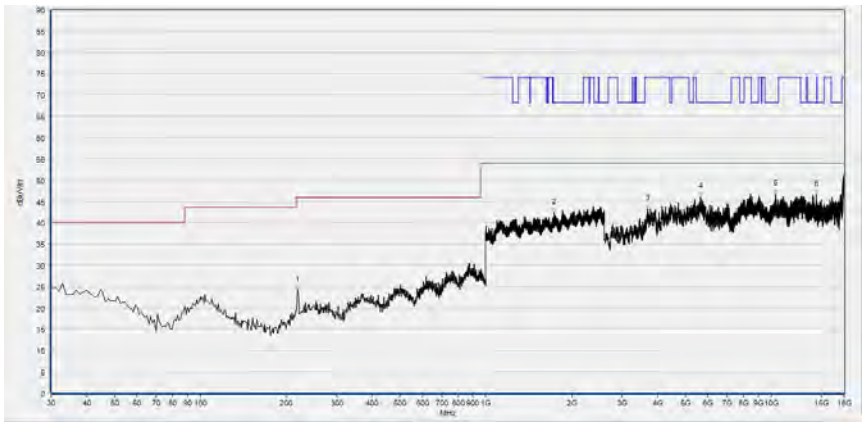
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 126



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
218.368	23.63	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1384.128	40.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2128.910	44.28	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5649.810	46.29	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
8570.234	46.90	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
10902.260	46.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

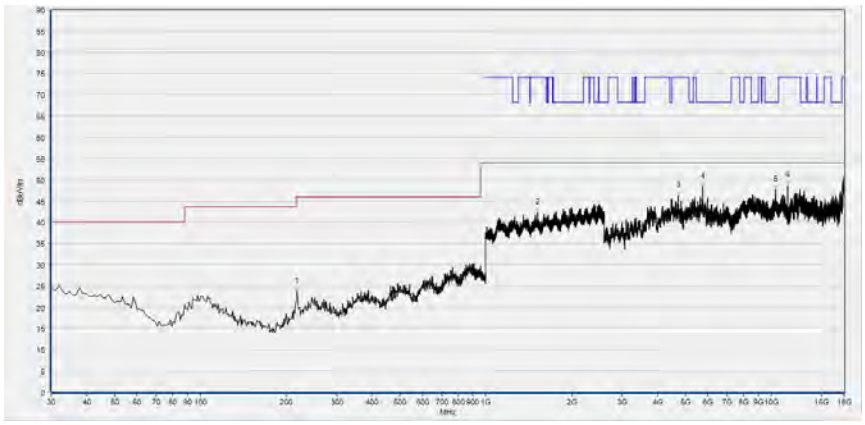
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	24.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1737.312	42.44	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
3690.538	43.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5643.649	46.11	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
10372.394	46.72	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
14386.437	46.65	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

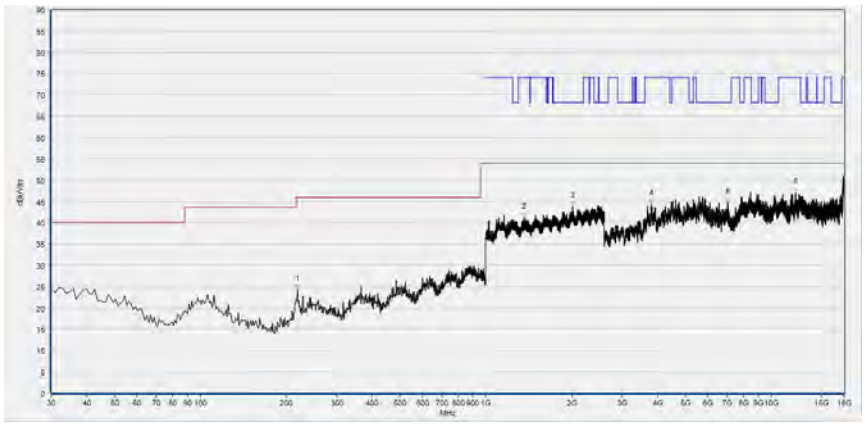
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 142



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
218.368	23.67	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1515.372	42.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4722.545	46.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5754.551	48.23	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
10353.911	47.68	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
11419.804	48.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

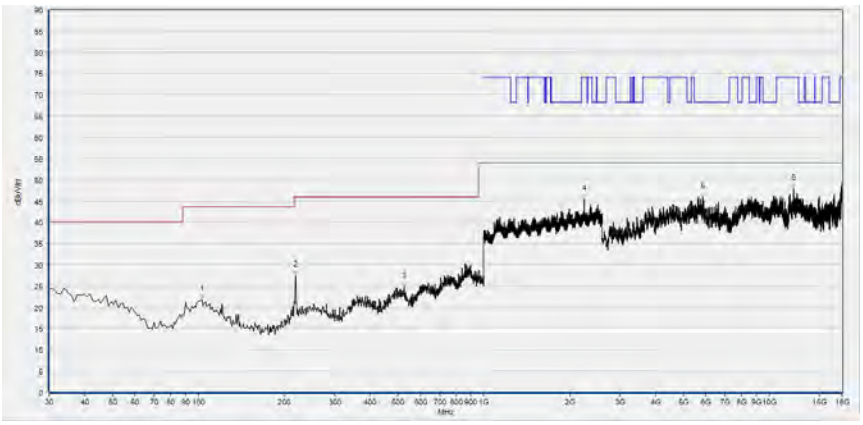
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	24.37	N/A	N/A	N/A		46.00	Vertical	PASS
1363.321	41.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2019.006	43.86	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
3807.602	44.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7017.604	44.74	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12152.991	47.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

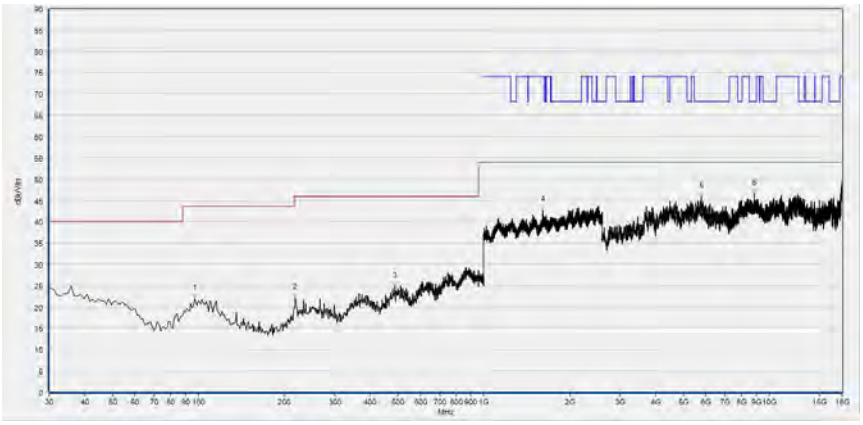
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 151



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	21.82	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	27.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
526.166	24.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2250.550	45.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5853.131	46.00	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12152.991	47.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

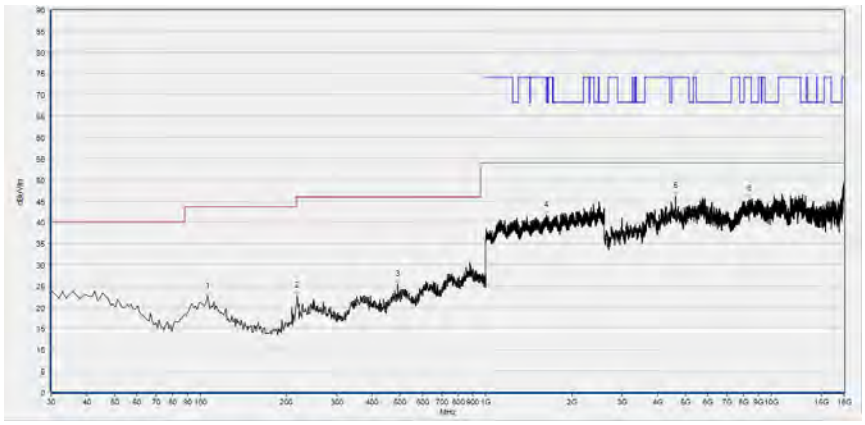
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.997	21.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
218.368	22.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
487.327	24.80	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1611.937	42.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5769.954	45.97	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8850.570	46.67	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

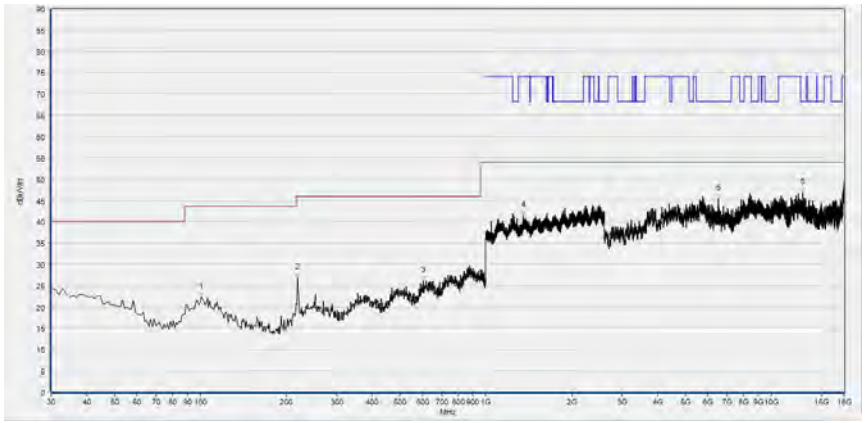
(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 159



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	22.39	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
218.368	22.63	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
491.211	25.25	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1625.809	41.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4623.965	46.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8385.397	45.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

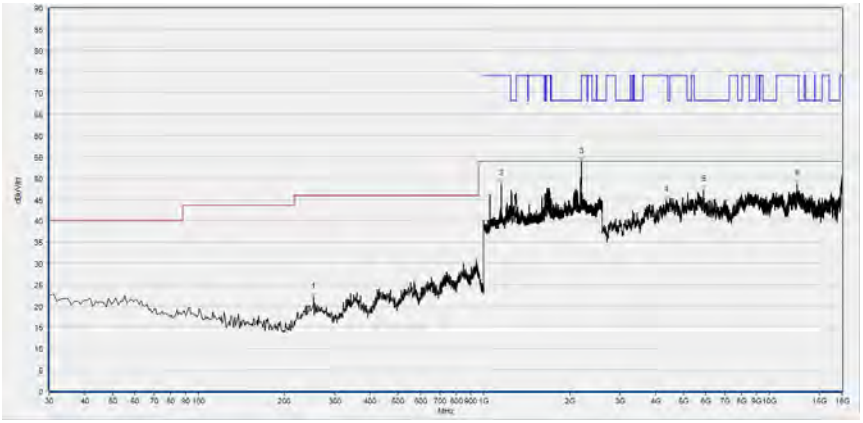


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	22.27	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	26.75	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
604.815	26.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1354.251	41.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6527.786	45.47	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12883.097	46.96	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

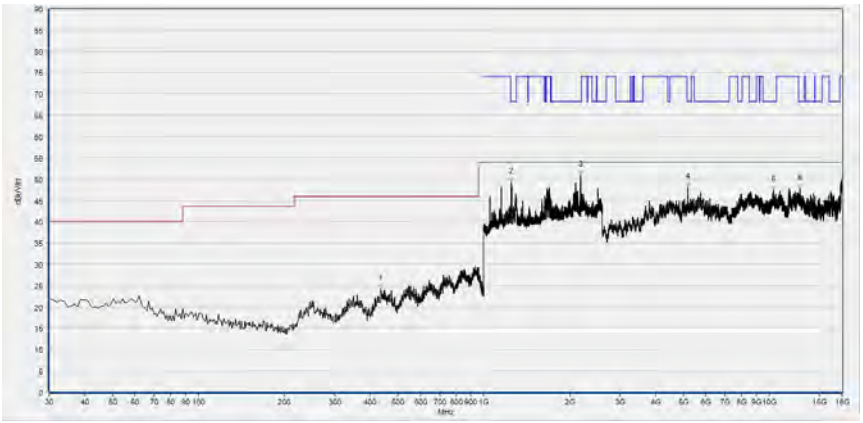
802.11ac (VHT20) Test mode

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
253.323	22.16	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1149.917	48.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2191.200	53.56	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4362.112	44.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5874.695	47.22	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12504.181	48.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

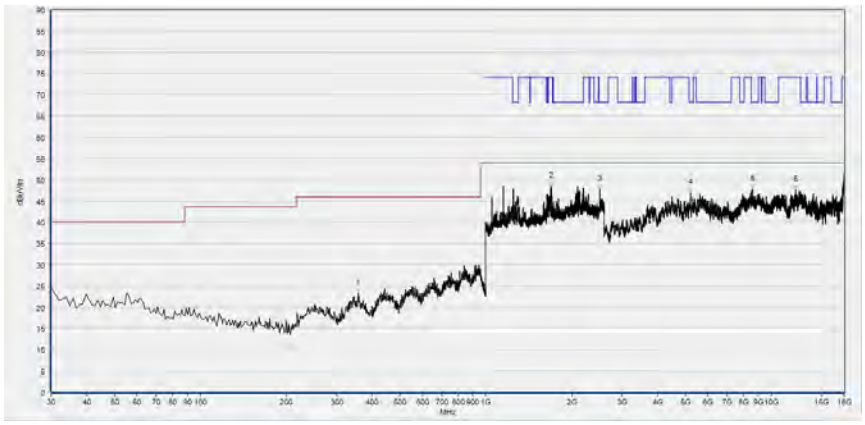
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
435.866	24.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1249.683	49.34	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
2183.861	50.90	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5181.556	48.09	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
10338.508	47.42	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12812.242	47.70	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

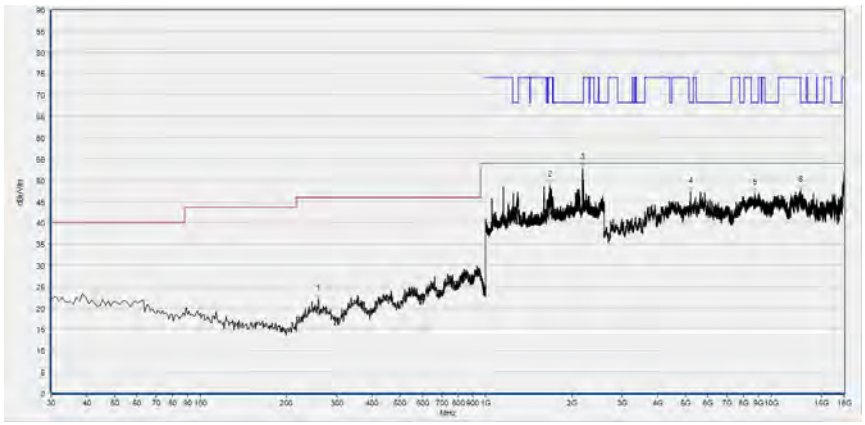
(Antenna Vertical, 30MHz to 18GHz)

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
357.217	23.35	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1690.897	48.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2505.569	47.80	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5215.443	46.93	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
8591.798	47.84	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12165.313	47.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

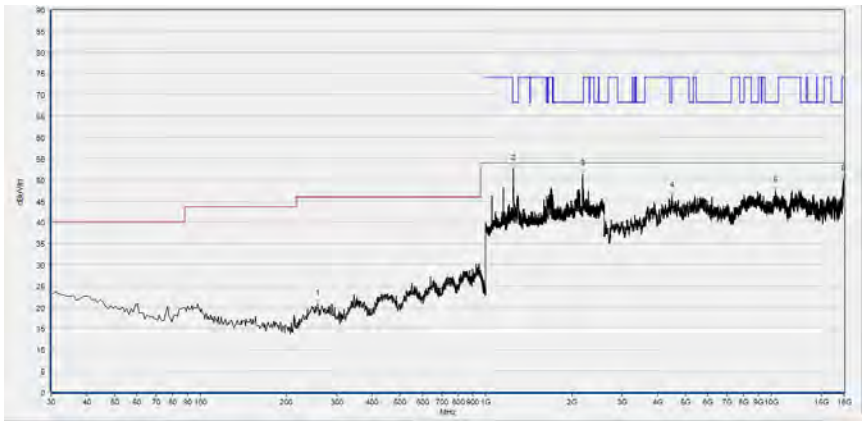
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
259.149	22.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1674.892	48.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2184.700	52.84	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5215.443	47.26	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8742.749	46.95	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12701.340	47.66	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

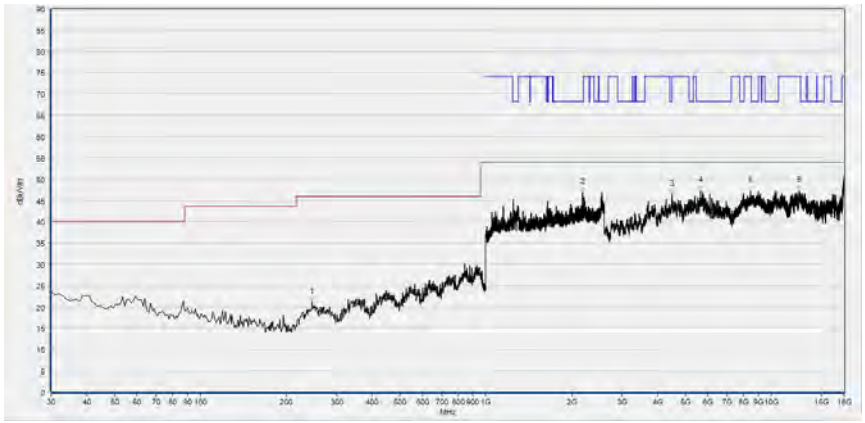
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 48



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
258.178	20.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1249.000	52.57	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
2187.900	51.30	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4494.579	46.25	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
10356.991	47.38	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
17947.630	50.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

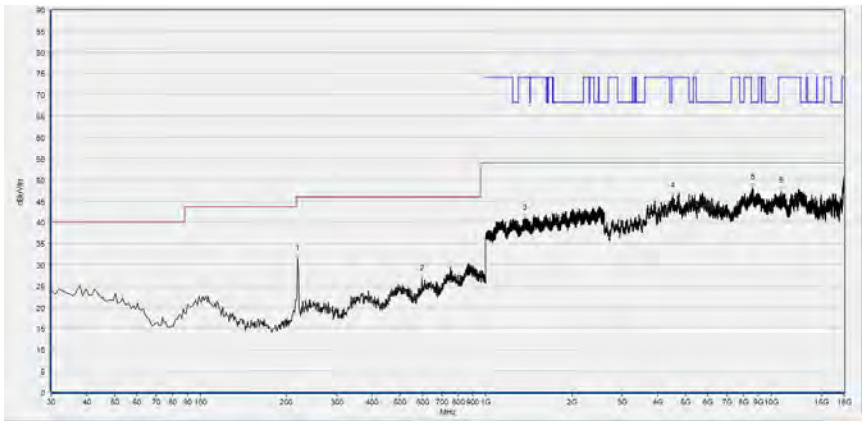
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
246.527	21.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2183.861	46.92	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4494.579	46.41	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5646.729	47.34	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8450.090	47.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12485.697	47.29	N/A	N/A	68.23	N/A	54.00	Vertical	PASS

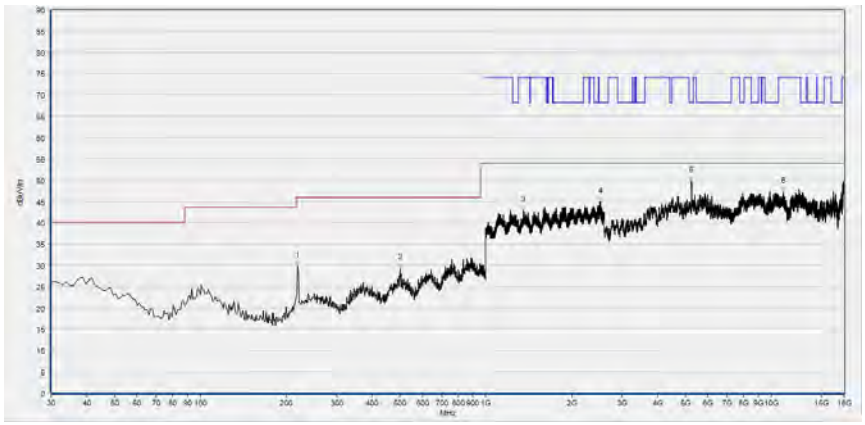
(Antenna Vertical, 30MHz to 18GHz)

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
219.339	31.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
596.076	26.71	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1370.257	40.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4506.901	46.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8585.637	48.08	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
10840.648	47.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

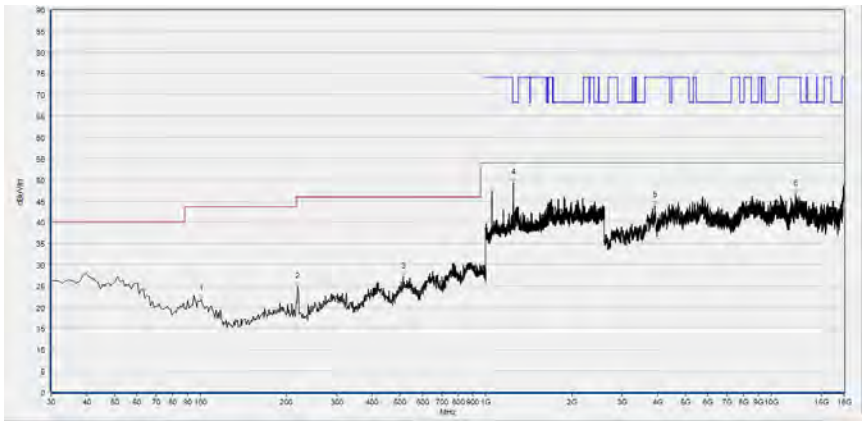
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
219.339	29.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
500.921	29.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1357.452	42.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2516.772	44.89	N/A	N/A	68.23	N/A	54.00	Vertical	PASS
5255.491	49.73	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
11040.888	47.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

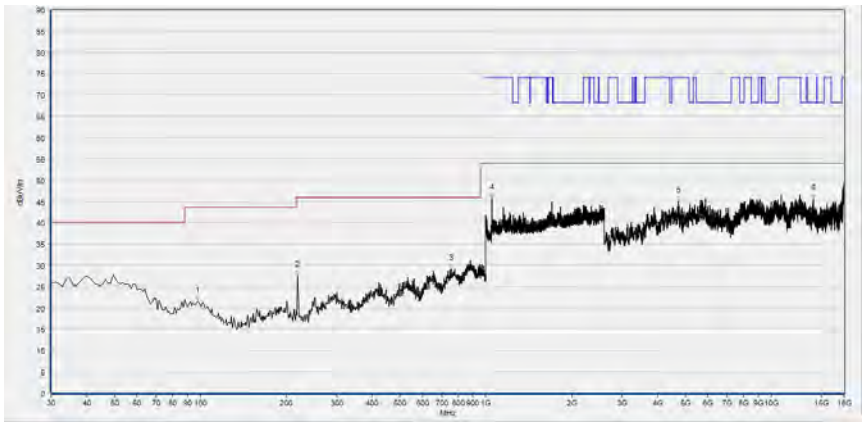
(Antenna Vertical, 30MHz to 18GHz)

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
100.881	21.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	24.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
513.544	27.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1247.016	49.20	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
3912.342	43.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12156.071	46.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

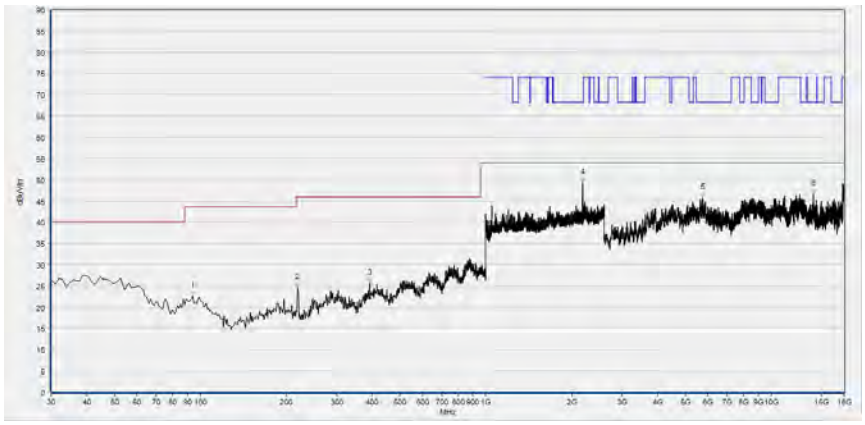
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	21.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	27.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
755.315	29.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1049.617	45.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4725.625	45.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14047.570	45.64	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

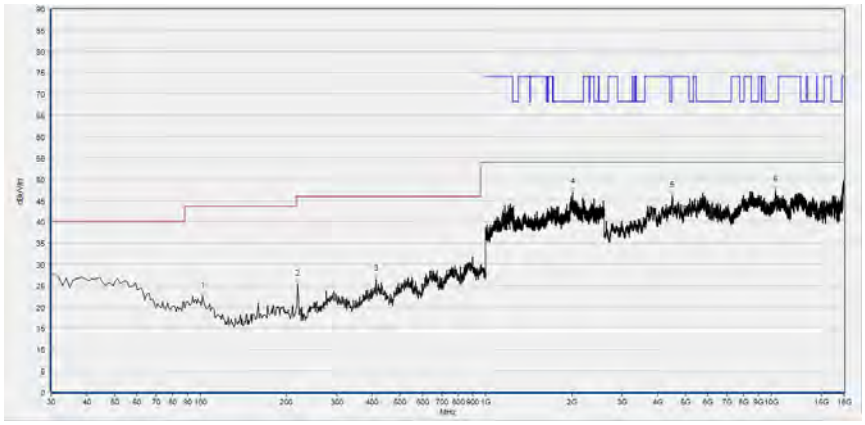
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 64



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
94.084	22.68	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	24.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
391.201	25.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2188.663	49.25	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5751.470	45.76	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
14066.053	46.53	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

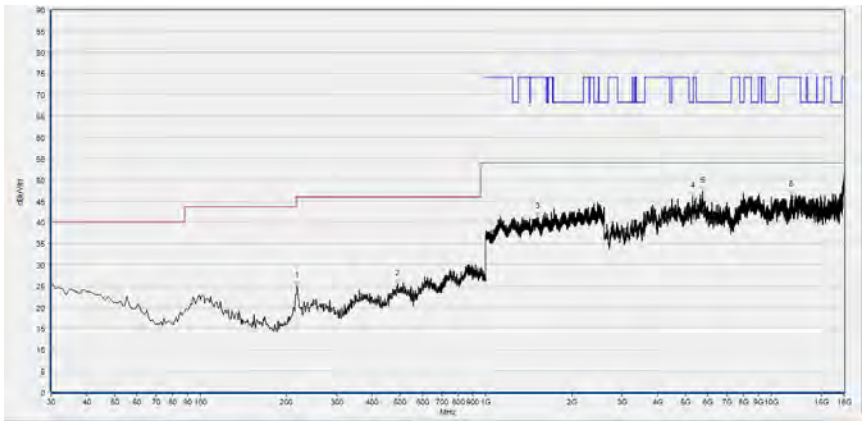
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.852	22.53	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	25.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
412.563	26.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2014.205	46.97	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4500.740	46.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10375.475	47.45	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

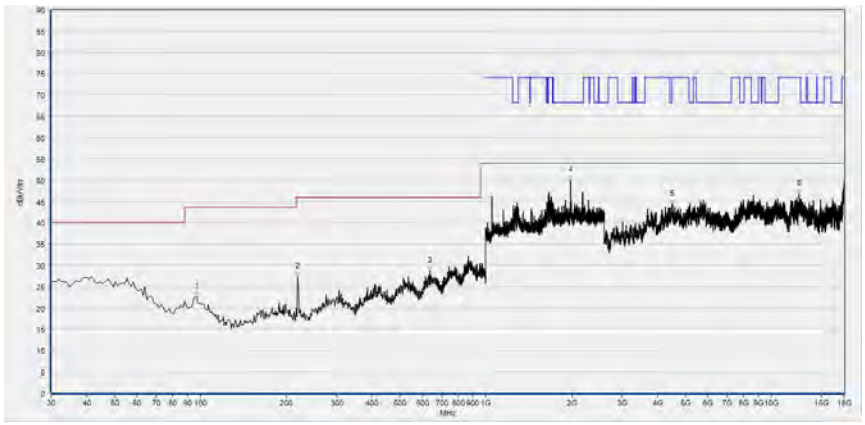
(Antenna Vertical, 30MHz to 18GHz)

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
218.368	24.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
492.182	25.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1519.640	41.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5301.700	46.16	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5739.148	47.25	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
11727.866	46.47	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

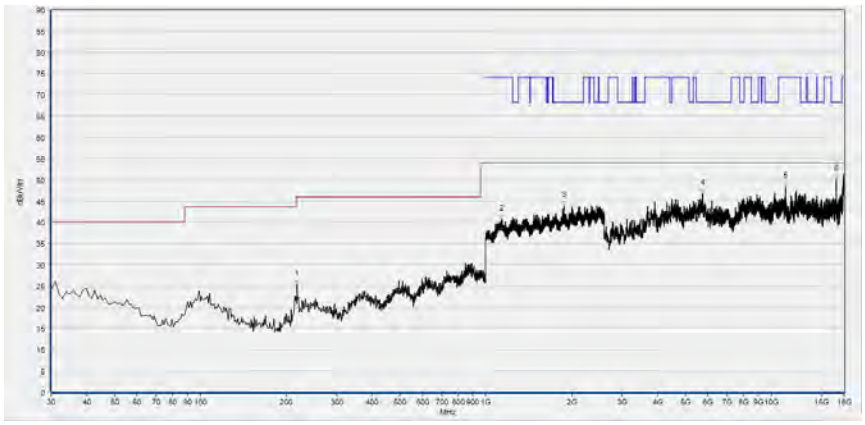
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
96.997	22.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	27.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
637.828	28.73	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1984.328	49.99	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4491.498	44.32	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12525.745	46.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

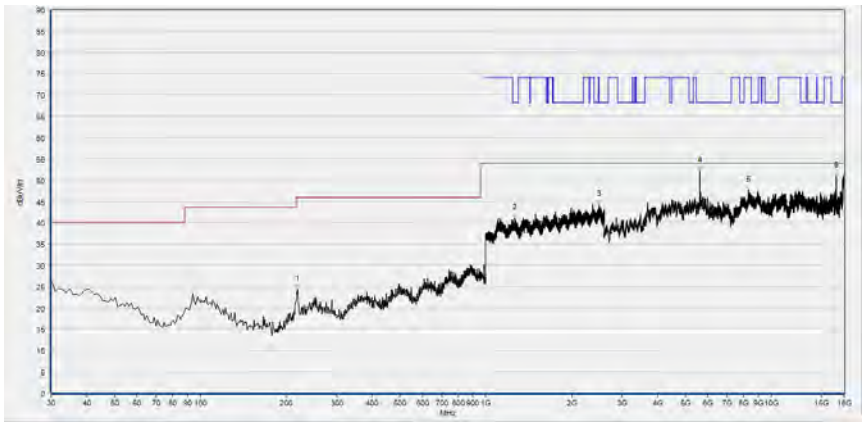
(Antenna Vertical, 30MHz to 18GHz)

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
218.368	25.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1138.713	40.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1883.494	43.89	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5754.551	46.77	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
11241.128	48.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16860.172	50.06	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

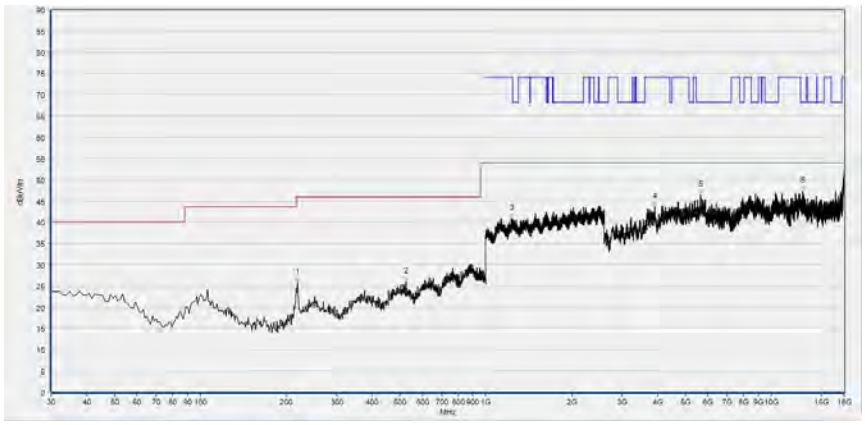
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	24.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1262.487	41.00	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
2500.233	44.25	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5619.004	52.11	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8299.140	47.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16860.172	50.91	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

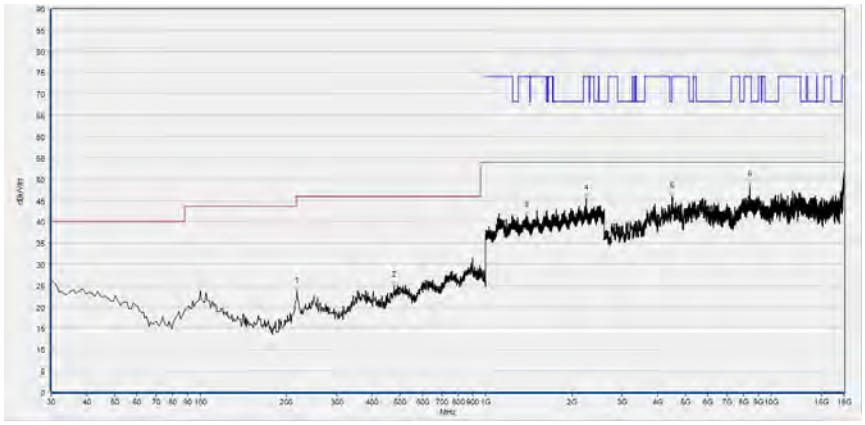
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 144



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	25.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
525.195	25.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1234.211	40.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3903.101	43.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5646.729	46.40	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12873.855	47.21	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

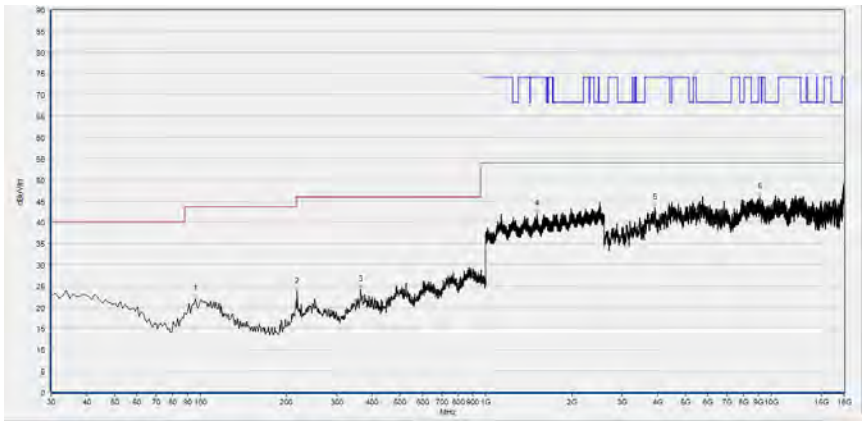
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
218.368	23.57	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
477.618	24.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1381.994	41.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2246.282	45.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4482.256	45.89	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8419.284	48.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

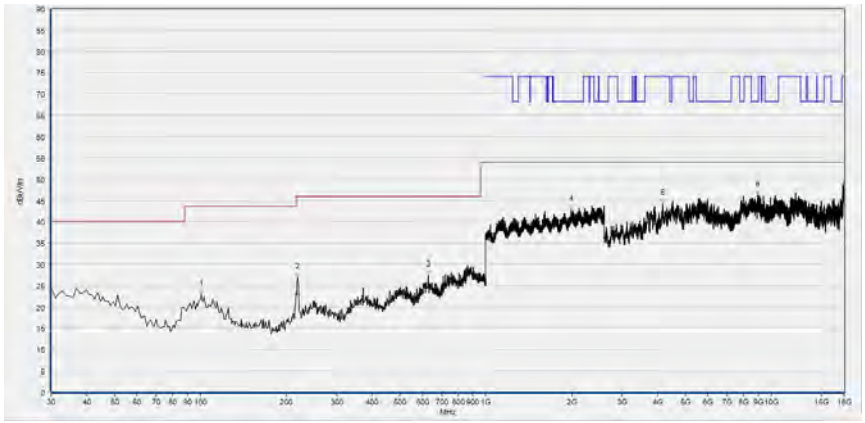
(Antenna Vertical, 30MHz to 18GHz)

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
96.026	22.00	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
218.368	23.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
364.014	24.13	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1514.305	41.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3903.101	43.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9127.826	45.97	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

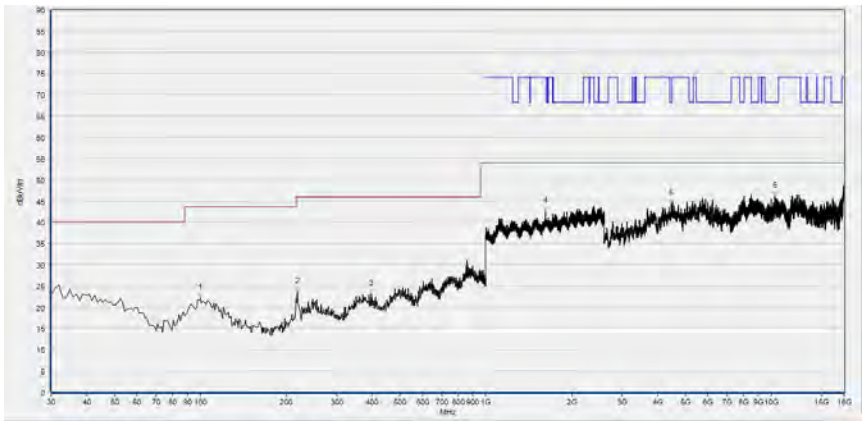
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	22.92	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	26.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
627.147	27.47	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1990.730	42.97	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4174.195	44.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8986.117	46.20	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

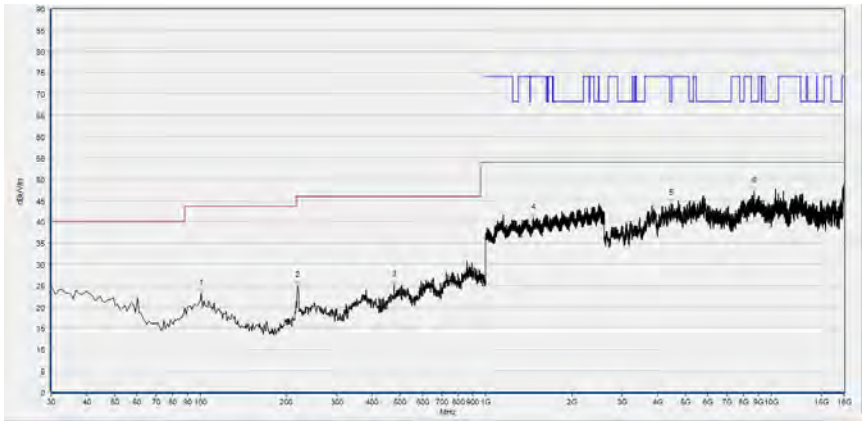
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 157



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	22.20	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	23.61	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
397.027	23.13	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1616.205	42.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4463.773	44.38	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
10313.863	46.15	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

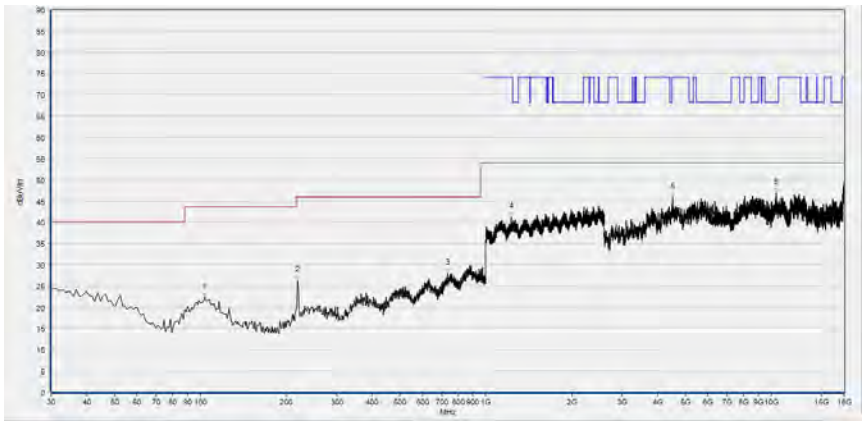
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	23.10	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	24.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
477.618	25.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1469.490	40.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4469.934	44.19	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8730.426	47.09	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

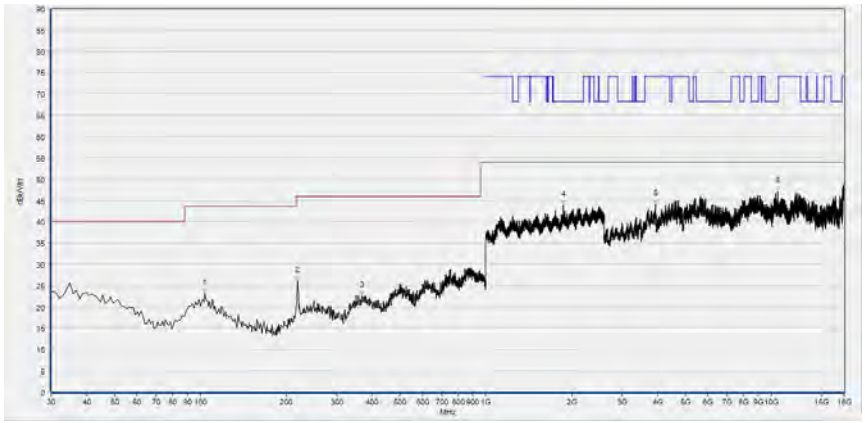
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 165



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.794	22.22	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	26.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
736.867	28.07	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1229.410	41.29	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4506.901	45.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10424.765	46.90	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

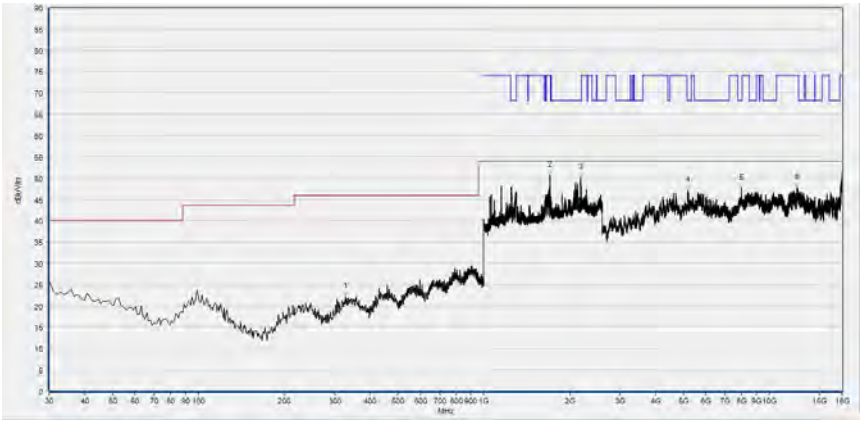


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.794	23.06	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	26.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
367.898	22.60	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1872.291	43.95	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
3924.665	44.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10526.425	47.05	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

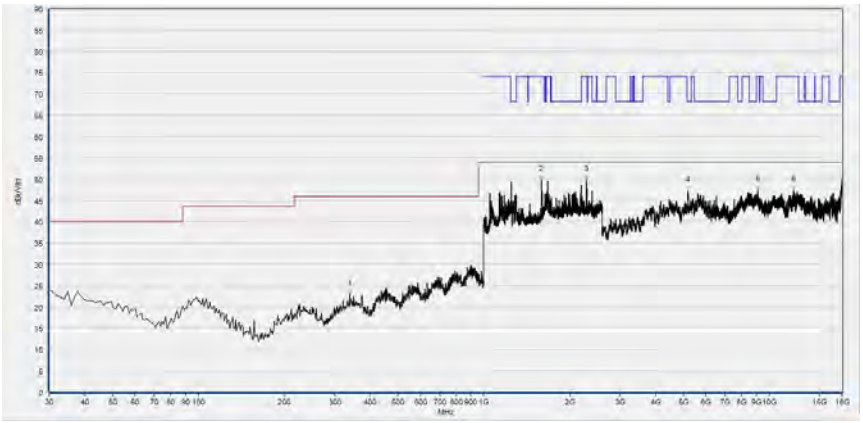
802.11ac (VHT40) Test mode

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
328.088	22.06	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1702.634	50.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2187.596	50.05	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5178.476	47.06	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
7975.675	47.66	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12528.826	47.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

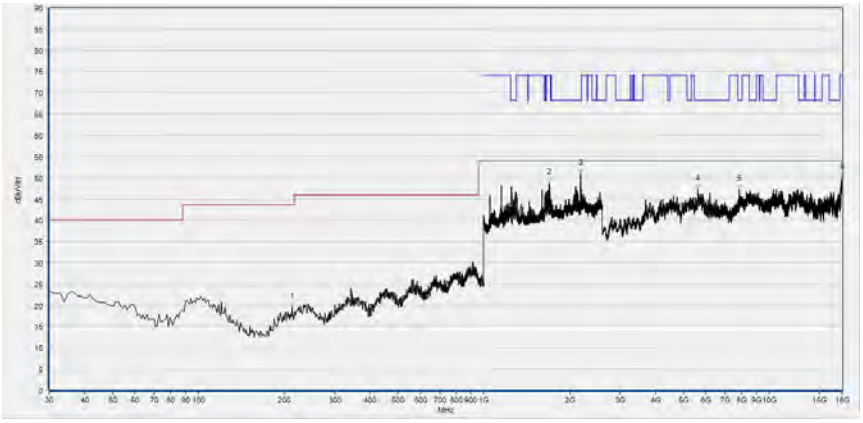
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
338.769	23.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1594.331	49.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2286.829	49.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5193.879	47.26	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
9100.100	47.48	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12162.232	47.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

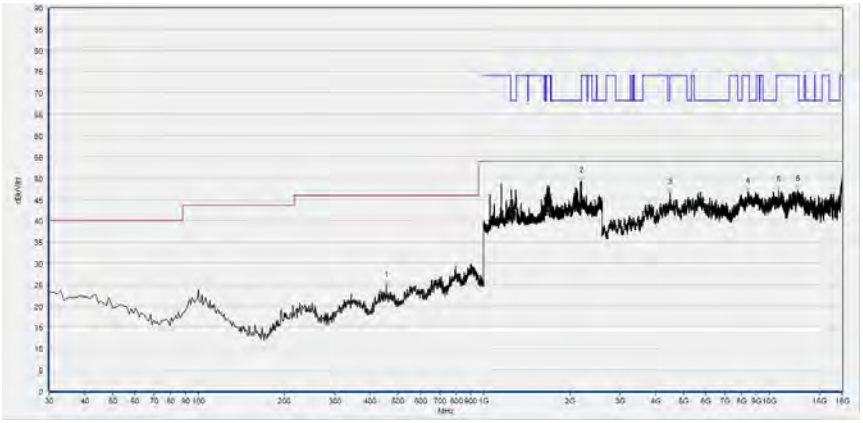
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 46



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
212.543	19.68	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1698.366	48.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2188.600	50.94	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5631.326	47.27	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
7870.934	47.22	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
17966.113	50.14	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

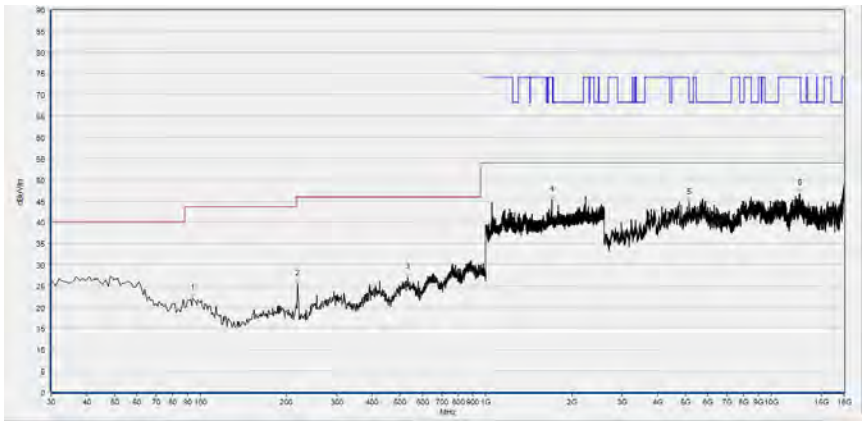
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
455.285	24.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2190.263	49.25	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4482.256	46.55	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8403.881	46.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10791.358	47.13	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12584.277	47.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

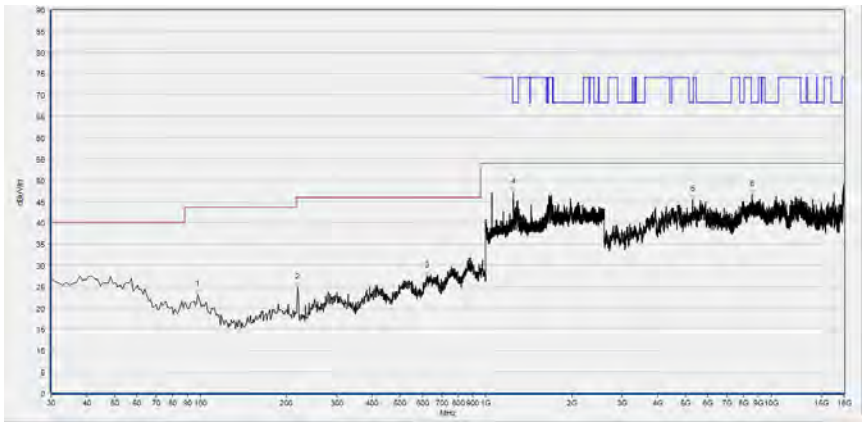
(Antenna Vertical, 30MHz to 18GHz)

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
94.084	22.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	25.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
532.963	26.95	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1701.034	45.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5159.992	44.50	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
12627.405	46.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

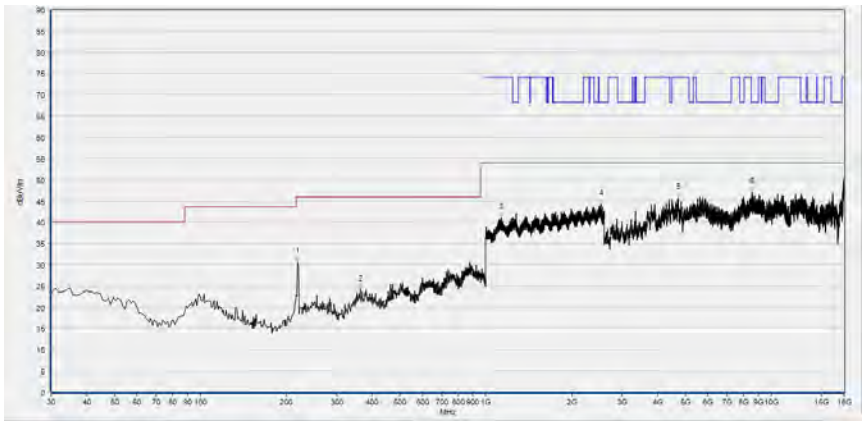
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
97.968	23.10	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	24.83	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
621.321	27.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1248.616	47.10	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5292.458	45.35	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8545.589	46.65	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

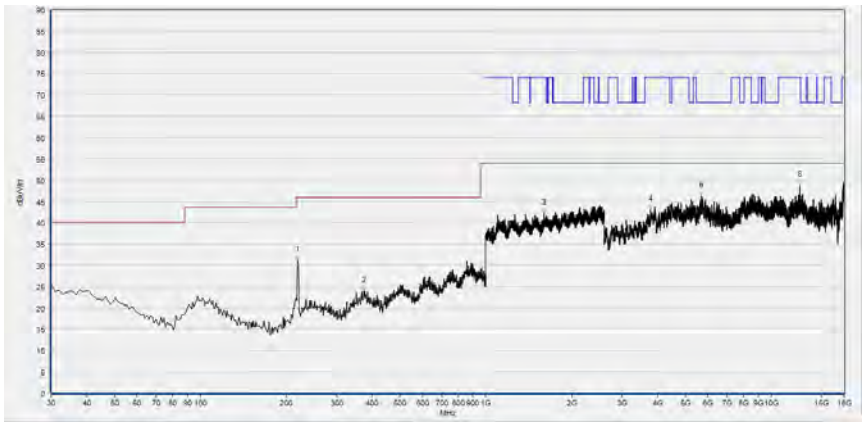
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 62



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	30.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
363.043	24.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1129.643	41.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2530.644	44.24	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4731.786	45.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8573.315	47.07	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

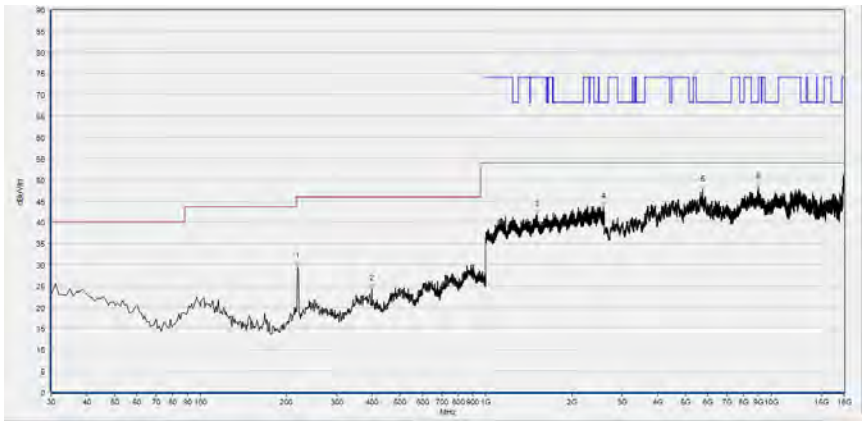
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	31.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
373.724	24.02	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1597.533	42.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3779.876	43.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5674.455	46.24	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
12608.922	48.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

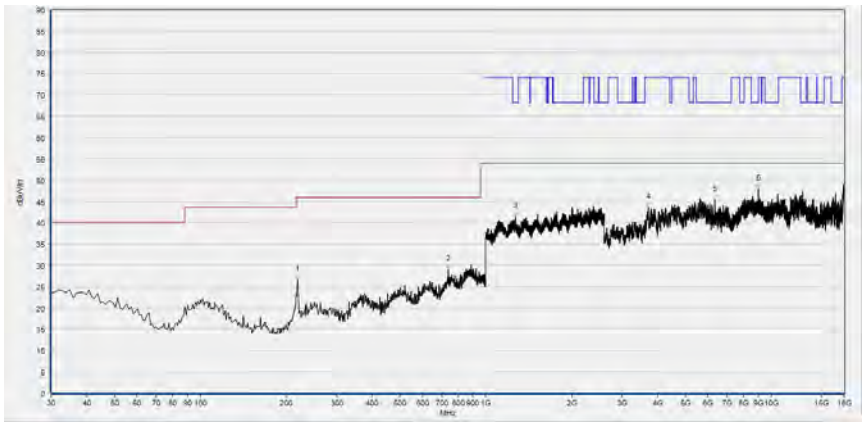
(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 102



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	29.51	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
397.998	24.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1510.570	41.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2584.528	43.52	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5754.551	47.61	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
9029.246	48.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

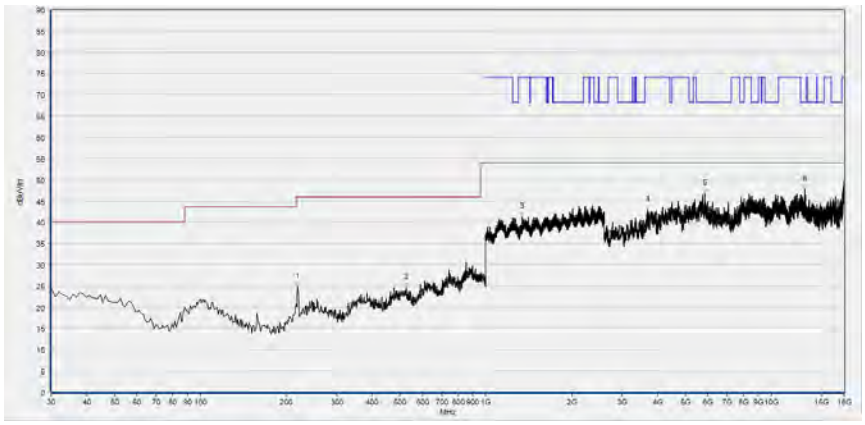
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	26.65	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
738.809	29.06	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1269.423	41.46	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
3709.022	43.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6327.546	45.38	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8992.278	47.87	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

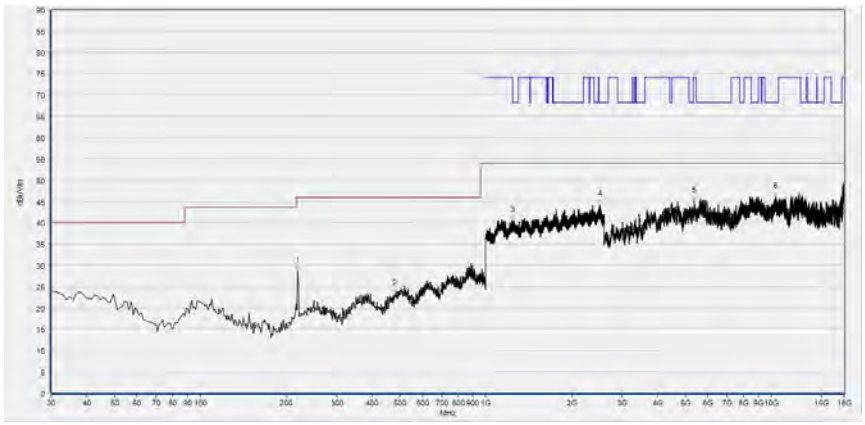
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 126



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	24.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
527.137	24.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1341.447	41.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3684.377	42.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5859.292	46.76	N/A	N/A	68.23	N/A	54.00	Horizontal	PASS
13092.579	47.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

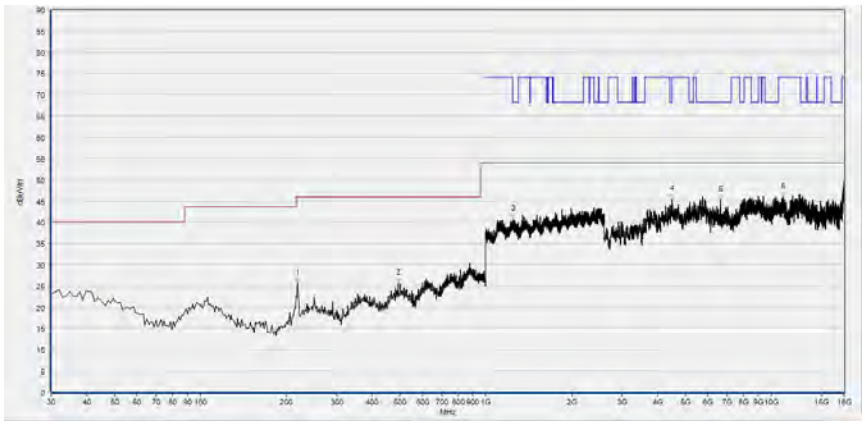
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	28.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
480.531	23.33	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1238.479	40.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2509.303	44.25	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5381.796	45.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10341.588	46.02	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

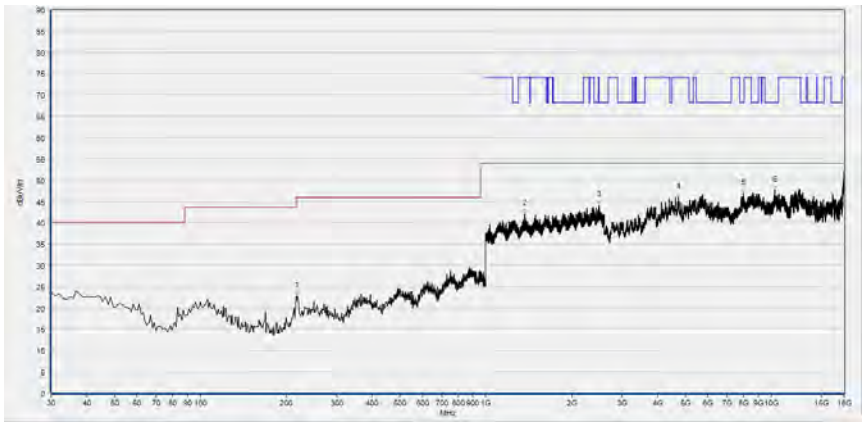
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 142



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	25.69	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
494.124	25.57	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1245.415	40.67	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4491.498	45.49	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
6638.688	45.20	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
11028.566	45.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

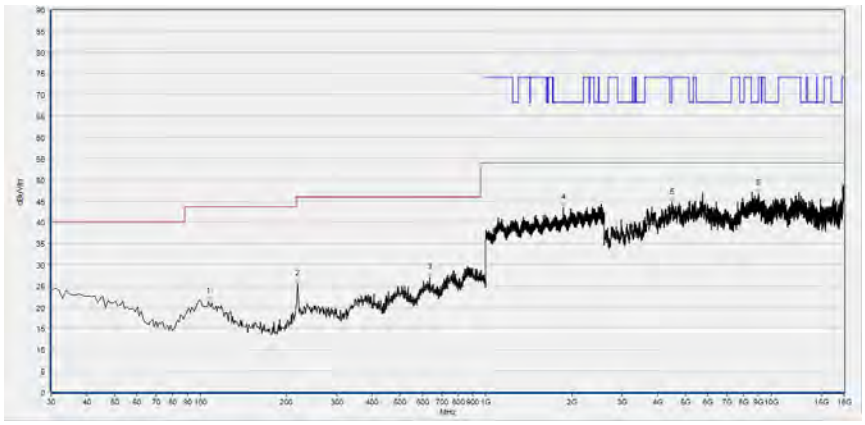
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
218.368	22.83	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1365.455	42.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2498.633	44.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4734.867	45.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7975.675	46.92	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
10310.782	47.61	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

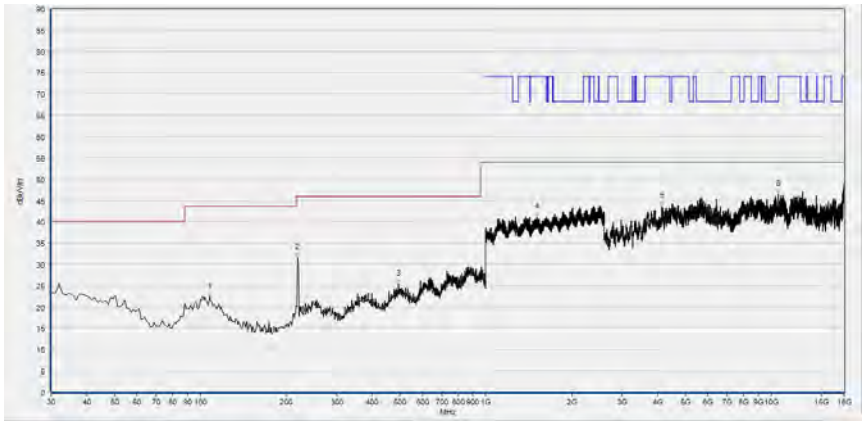
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 151



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	21.25	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	25.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
634.915	27.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1864.822	43.34	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
4491.498	44.50	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
9023.085	46.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

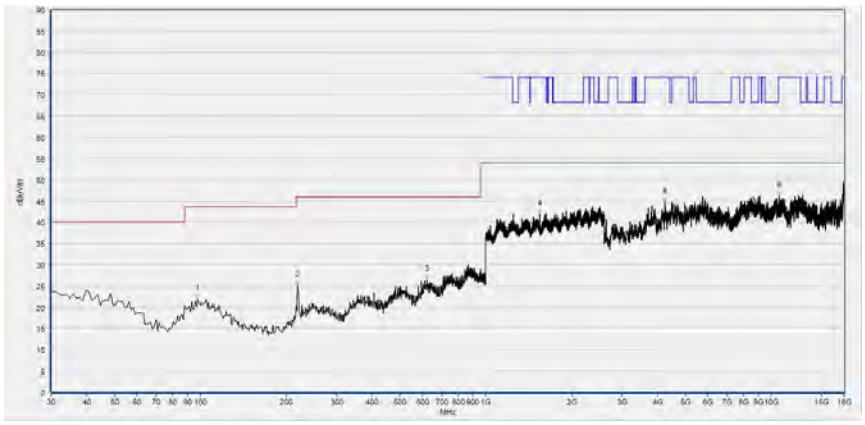
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	22.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	31.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
495.095	25.33	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1512.171	41.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4137.227	43.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10612.683	46.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

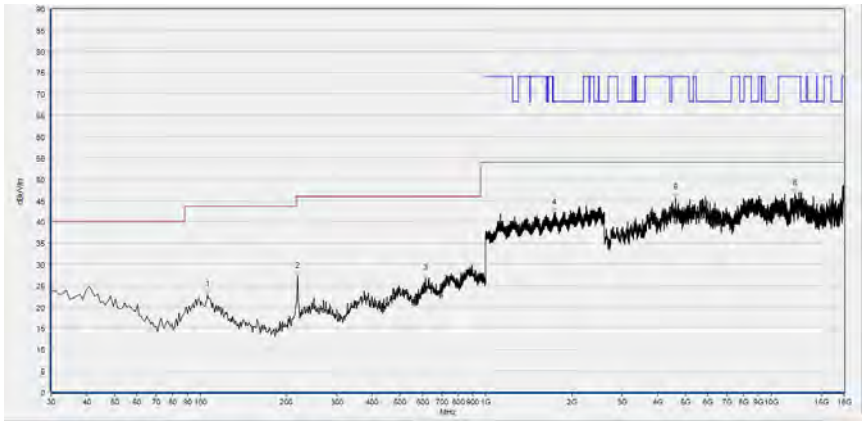
(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 159



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	21.96	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	25.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
622.292	26.51	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1544.715	41.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4248.130	44.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10643.489	46.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

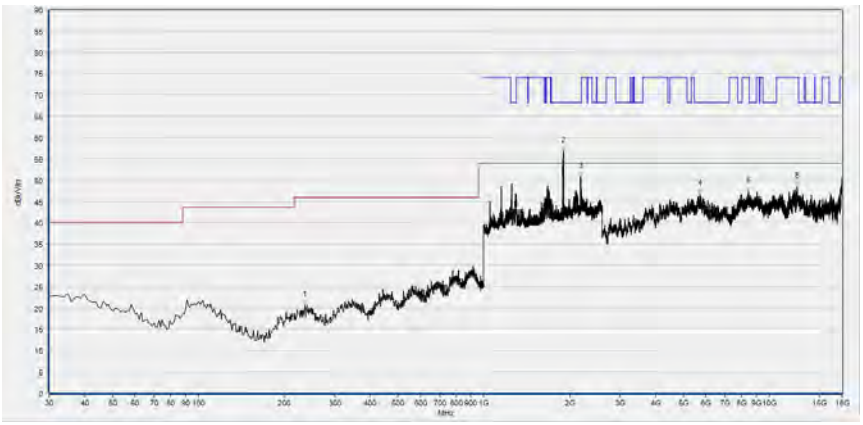


Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	22.78	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	27.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
615.495	26.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1737.846	42.03	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4620.884	45.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12088.298	46.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

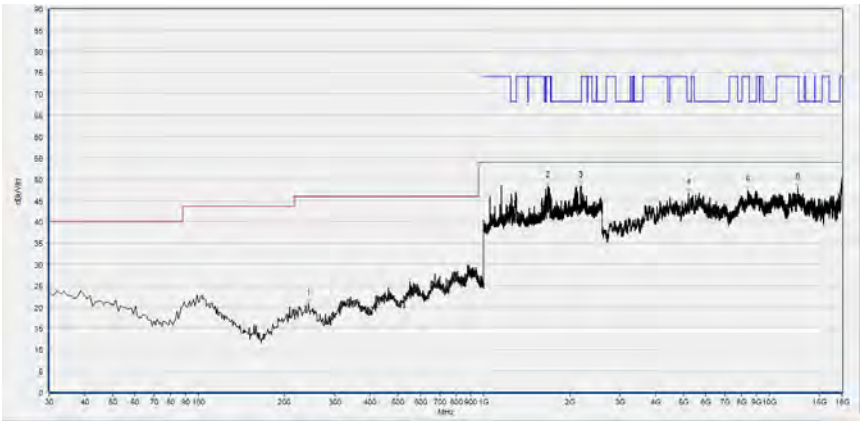
802.11ac (VHT80) Test mode

Plots for Channel = 42



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
235.846	20.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1899.100	56.75	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
2184.395	50.83	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
5732.987	46.81	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
8440.848	47.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12507.261	48.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

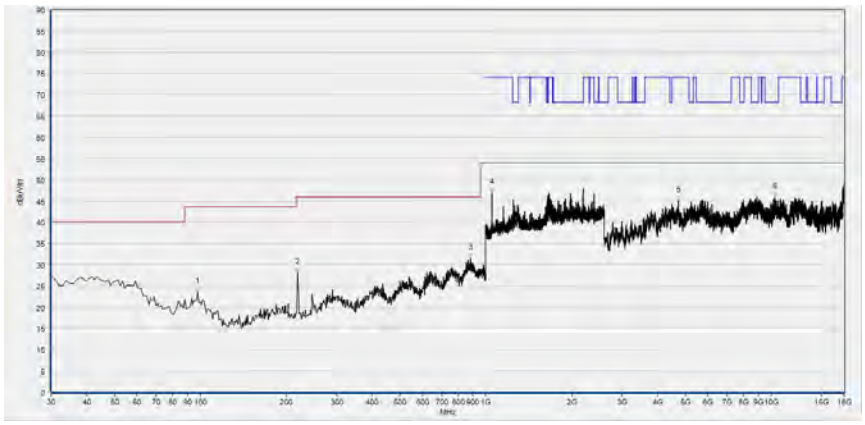
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
243.614	20.76	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1673.825	48.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2181.727	48.48	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5215.443	46.71	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
8428.526	47.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12615.083	48.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

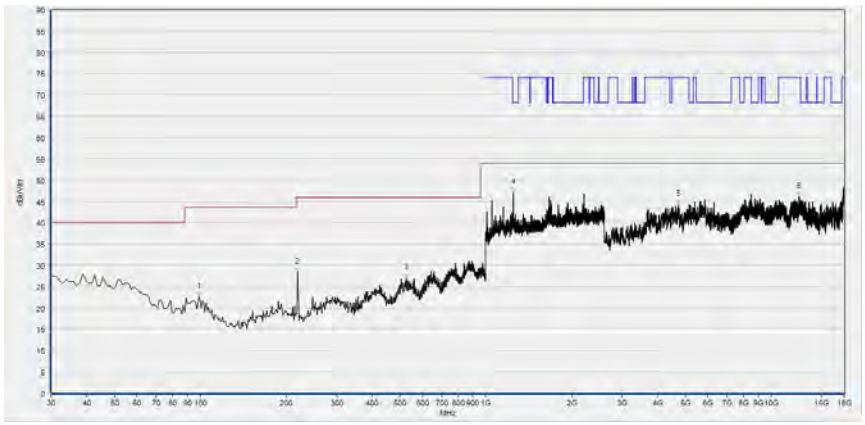
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 58



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
97.968	23.71	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	28.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
885.425	31.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1049.617	46.97	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4731.786	45.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10286.137	45.94	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

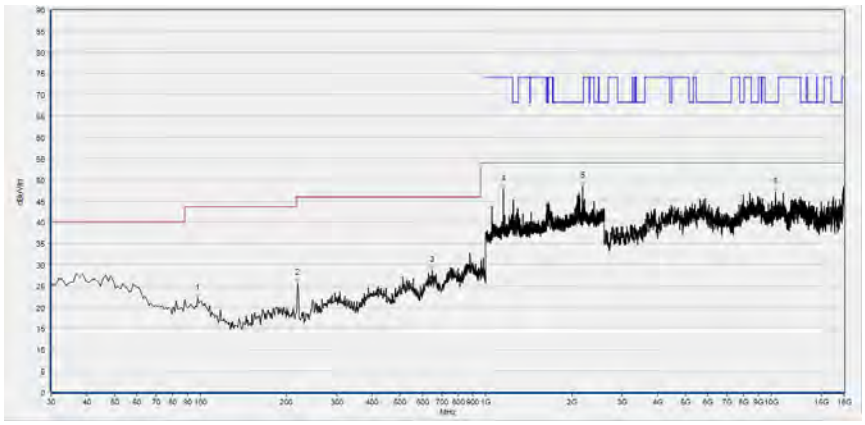
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
98.939	22.55	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	28.35	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
525.195	26.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1250.217	47.15	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4719.464	44.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12485.697	46.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

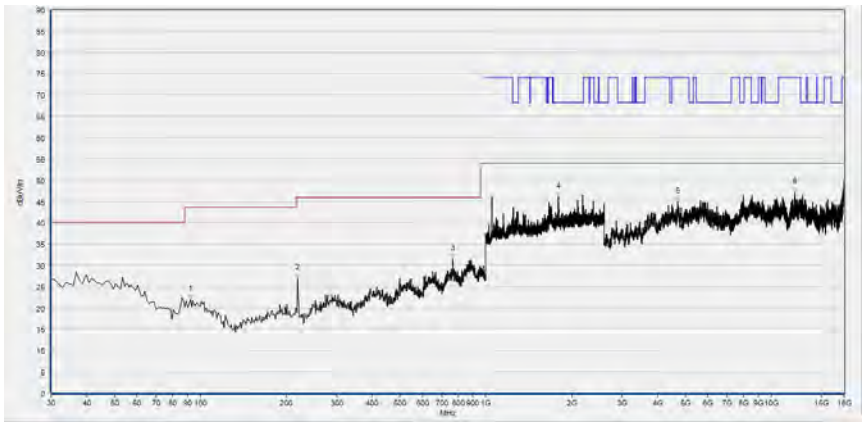
(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 106



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	22.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.339	25.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
648.509	28.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1149.917	47.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2189.196	48.49	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
10338.508	47.06	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

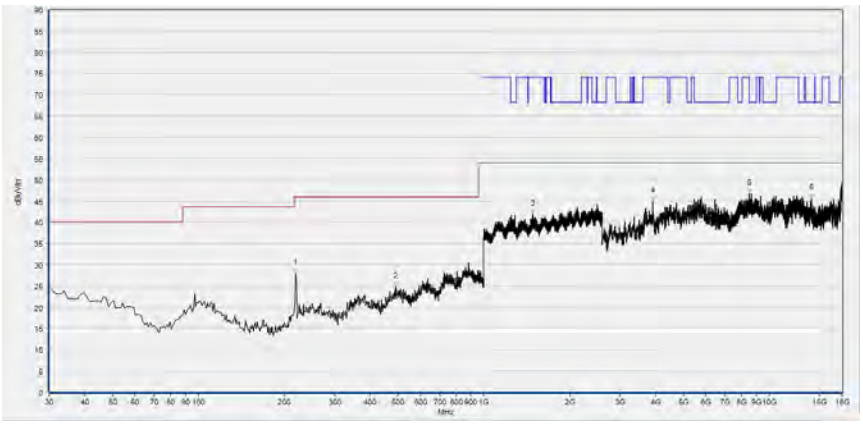
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
92.142	21.90	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	26.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
766.967	31.46	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1798.133	46.10	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4704.061	44.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12125.265	47.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

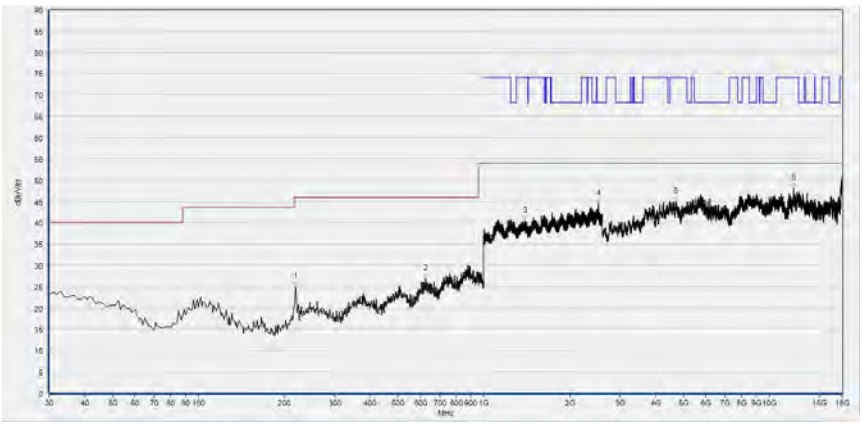
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 122



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	28.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
492.182	24.81	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1486.029	41.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3909.262	44.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8517.864	46.69	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
14022.925	45.65	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS

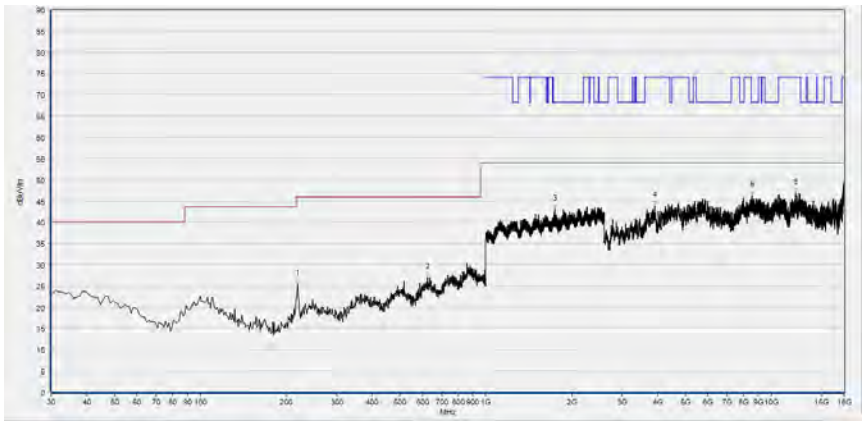
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	24.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
626.176	26.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1393.731	40.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2526.909	44.36	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
4704.061	44.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12152.991	48.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

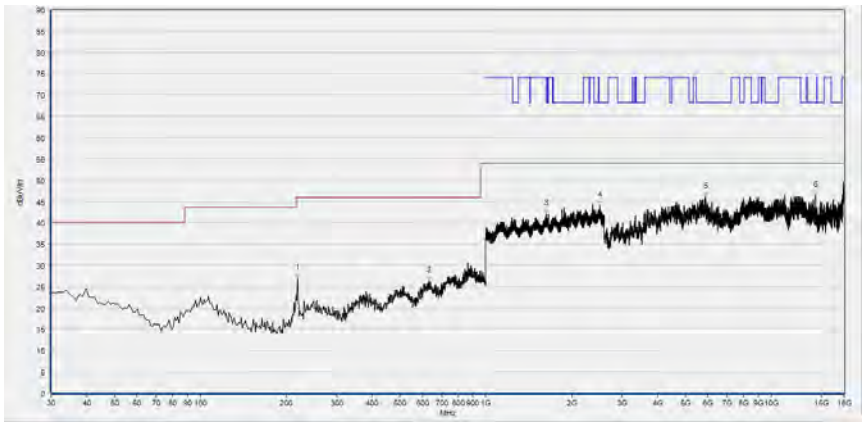
(Antenna Vertical, 30MHz to 18GHz)

Plots for Channel = 138



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	25.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
625.205	27.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1748.516	43.09	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
3900.020	43.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8570.234	46.29	N/A	N/A	68.23	N/A	0.00	Horizontal	PASS
12162.232	46.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

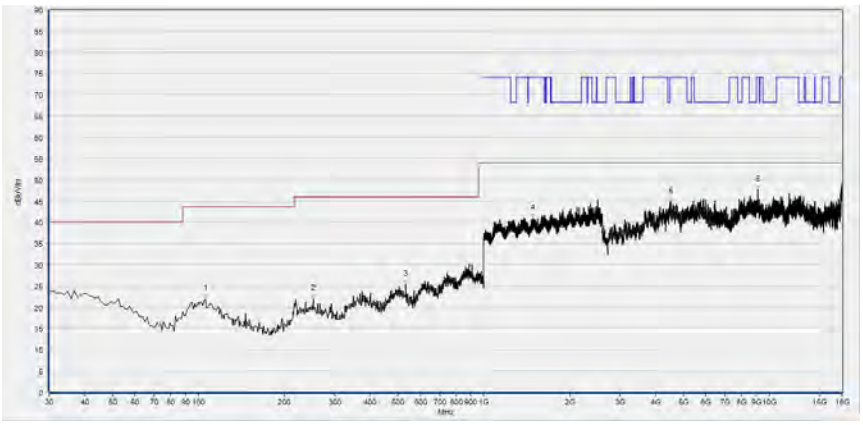
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
219.339	26.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
632.002	26.32	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1625.275	42.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2502.367	44.12	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
5880.856	46.13	N/A	N/A	68.23	N/A	0.00	Vertical	PASS
14275.535	46.48	N/A	N/A	68.23	N/A	0.00	Vertical	PASS

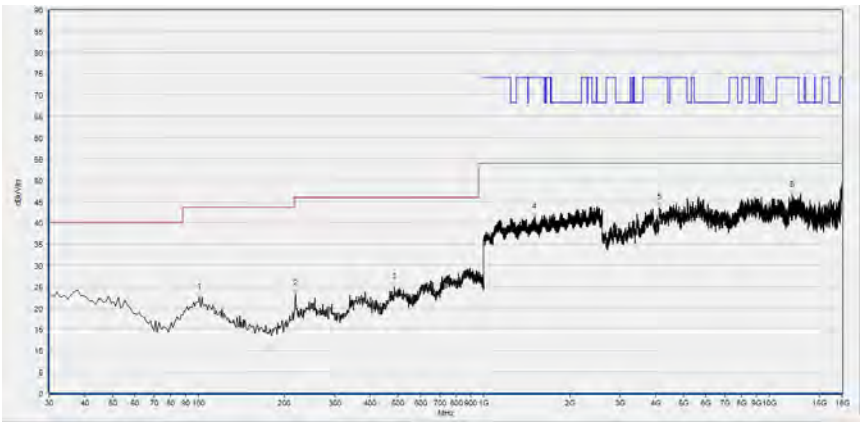
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel = 155



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	21.89	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
252.352	21.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
532.963	25.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1481.227	40.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4506.901	44.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9109.342	47.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	Pk (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	22.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.339	23.37	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
486.356	24.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1503.635	41.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4124.905	43.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12054.411	46.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test items	Uncertainty
Peak Output Power	±2.22dB
Power spectral density (PSD)	±2.22dB
Bandwidth	±5%
Restricted Frequency Bands	±5%
Radiated Emission	±2.95dB
Conducted Emission	±2.44dB

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2

Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.

4. Test Equipments Utilized

4.1 Conducted Test Equipments

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Attenuator 1	(N/A)	10dB	Resnet	N/A	N/A
EXA Signal Analzyer	MY53470836	N9010A	Agilent	2020.04.01	2021.03.31
USB Wideband Power Sensor	MY54210011	U2021XA	Agilent	2020.04.01	2021.03.31
RF cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial cable	CB02	RF02	Morlab	N/A	N/A
SMA connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Temperature Chamber	12108015	DTL-003S101	YOMA	2020.01.08	2021.01.07
Computer	T430i	Think Pad	Lenovo	N/A	N/A

4.2 Conducted Emission Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Receiver	MY56400093	N9038A	KEYSIGHT	2019.05.08	2020.05.09
LISN	812744	NSLK 8127	Schwarzbeck	2019.05.08	2020.05.09
Pulse Limiter (10dB)	9391	VTSD 9561-D	Schwarzbeck	2019.08.13	2020.08.12
Coaxial cable(BNC)	CB01	EMC01	Morlab	N/A	N/A

4.3 List of Software Used

Description	Manufacturer	Software Version
Test system	Tonscend	V2.6
Power Panel	Agilent	V3.8
MORLAB EMCR V1.2	MORLAB	V1.0

4.4Radiated Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal.Due
Receiver	MY54130016	N9038A	Agilent	2019.07.29	2020.07.28
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2019.05.24	2022.05.23
Test Antenna - Horn	9170C-531	BBHA9170	Schwarzbeck	2019.07.26	2022.07.25
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2019.02.14	2022.02.13
Test Antenna - Horn	01774	BBHA 9120D	Schwarzbeck	2019.07.26	2022.07.25
Coaxial cable (N male) (9KHz-30MHz)	CB04	EMC04	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB02	EMC02	Morlab	N/A	N/A
Coaxial cable(N male) (30MHz-26GHz)	CB03	EMC03	Morlab	N/A	N/A
Coaxial cable(N male) (30MHz-40GHz)	CB05	EMC05	Morlab	N/A	N/A
1-18GHz pre-Amplifier	61171/61172	S020180L3203	Tonscend	2019.07.29	2020.07.28
18-26.5GHz pre-Amplifier	46732	S10M100L3802	Tonscend	2019.07.29	2020.07.28
26GHz -40GHz pre-Amplifier	MA05	BBV9721	Rohde& Schwarz	2019.07.29	2020.07.28
Notch Filter	N/A	WRCG-5150-5350	Wainwright	2019.12.01	2020.11.30
Notch Filter	N/A	WRCG-5470-5725	Wainwright	2019.12.01	2020.11.30
Notch Filter	N/A	WRCG-5725-5850	Wainwright	2019.12.01	2020.11.30

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal.Due
Anechoic Chamber	N/A	9m*6m*6m	CRT	2020.01.06	2023.01.05

END OF REPORT