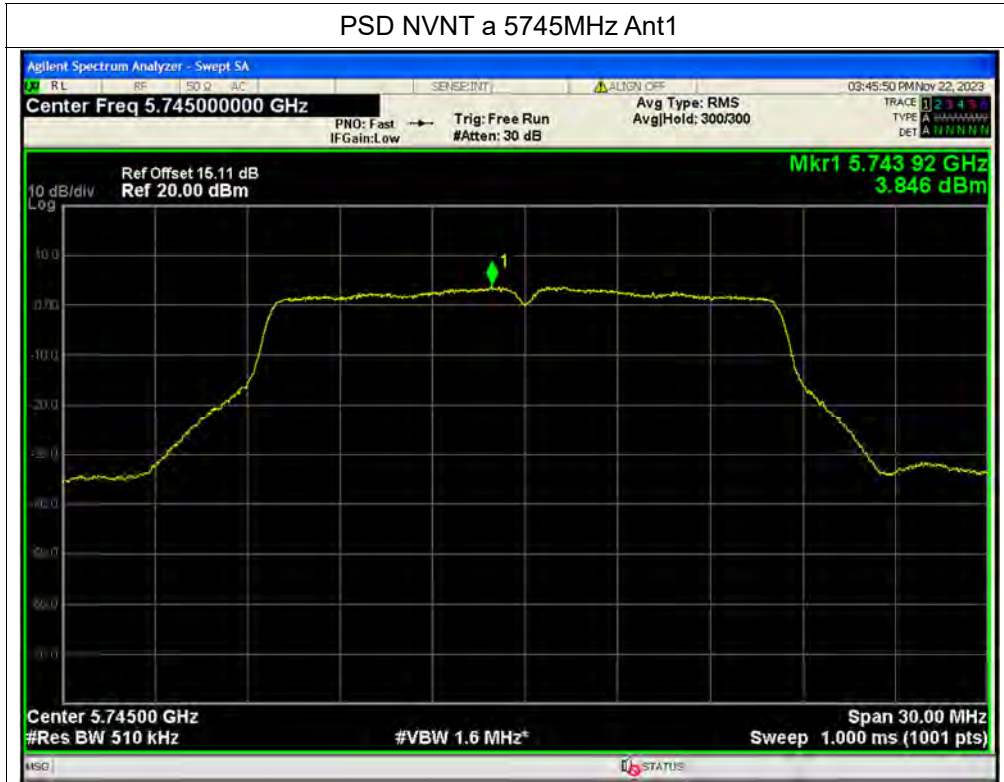
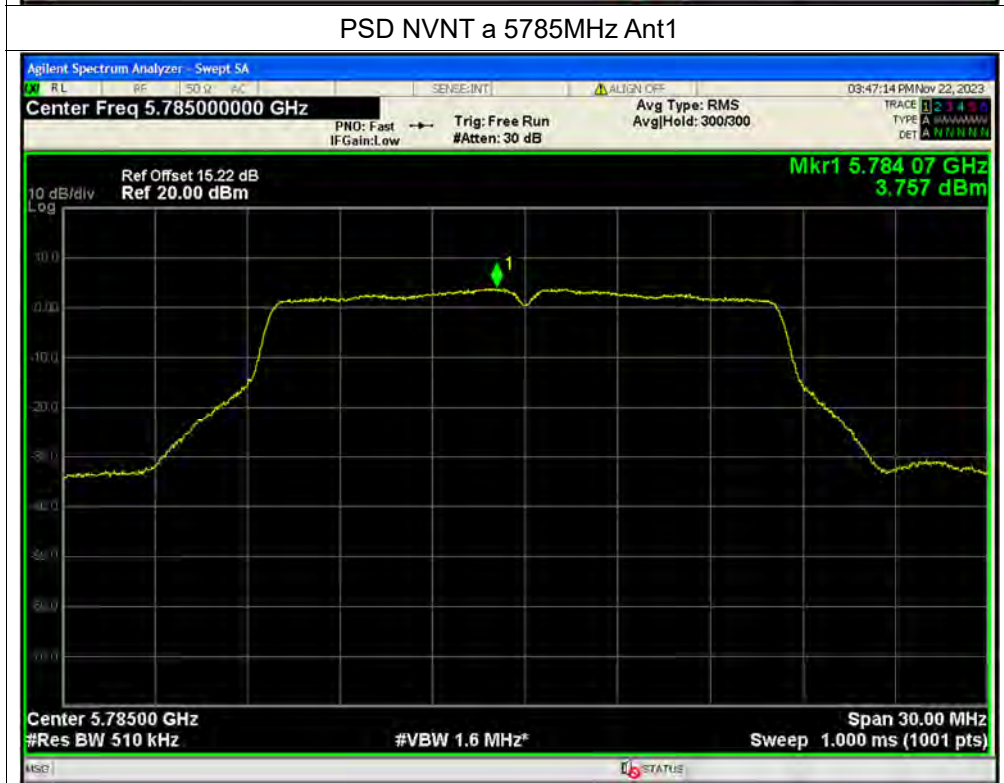




PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5180MHz Ant1





PSD NVNT n20 5220MHz Ant1



PSD NVNT n20 5240MHz Ant1





PSD NVNT n20 5260MHz Ant1



PSD NVNT n20 5300MHz Ant1





PSD NVNT n20 5320MHz Ant1



PSD NVNT n20 5500MHz Ant1





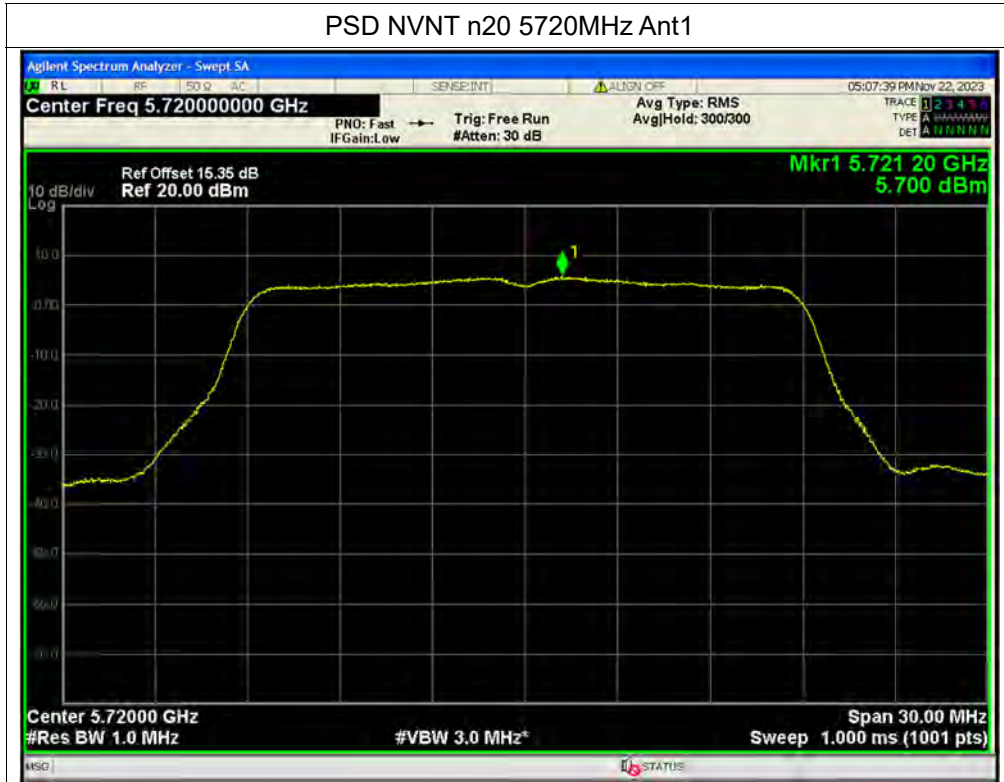
PSD NVNT n20 5580MHz Ant1



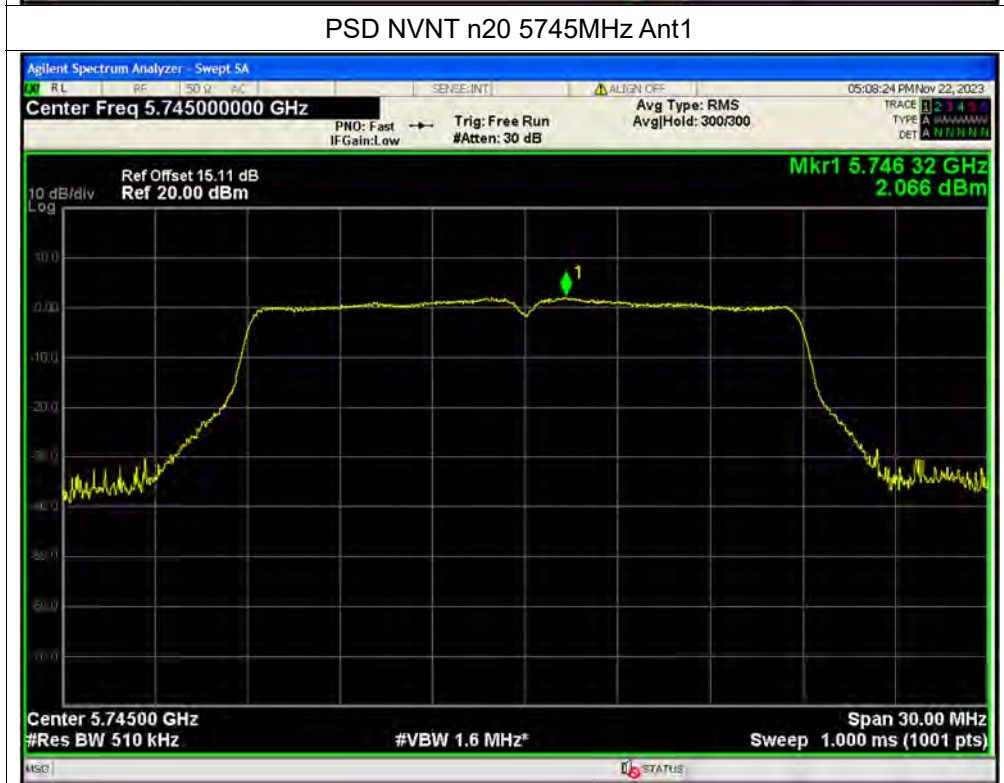
PSD NVNT n20 5600MHz Ant1



PSD NVNT n20 5720MHz Ant1



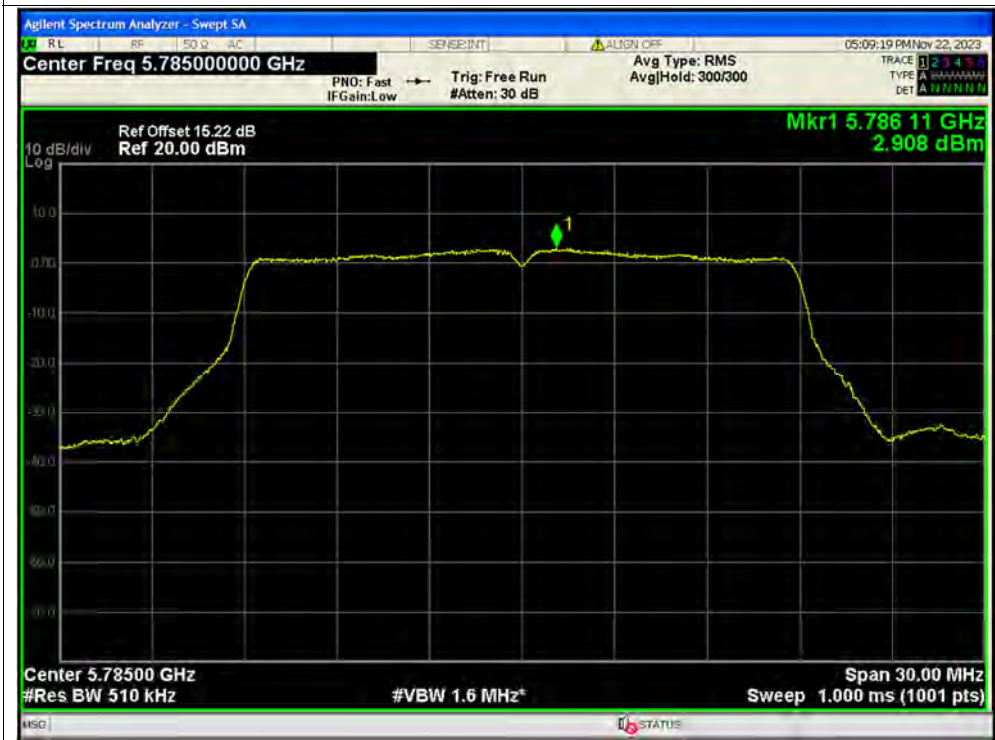
PSD NVNT n20 5745MHz Ant1



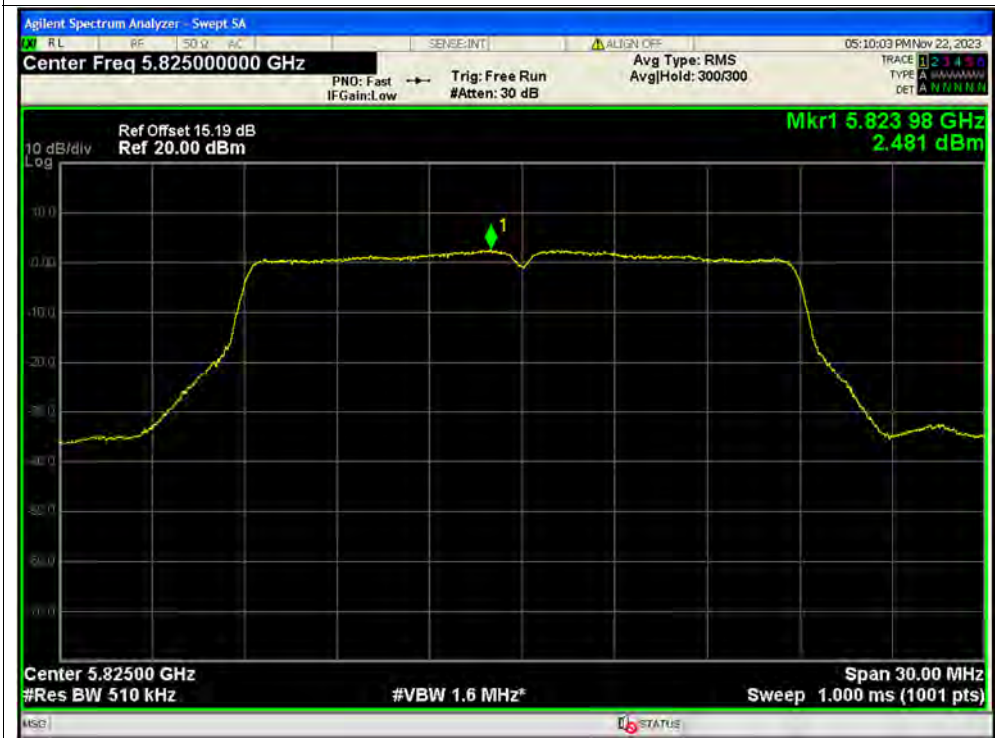




PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1





PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1





PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1





PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5550MHz Ant1





PSD NVNT n40 5630MHz Ant1



PSD NVNT n40 5670MHz Ant1





PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

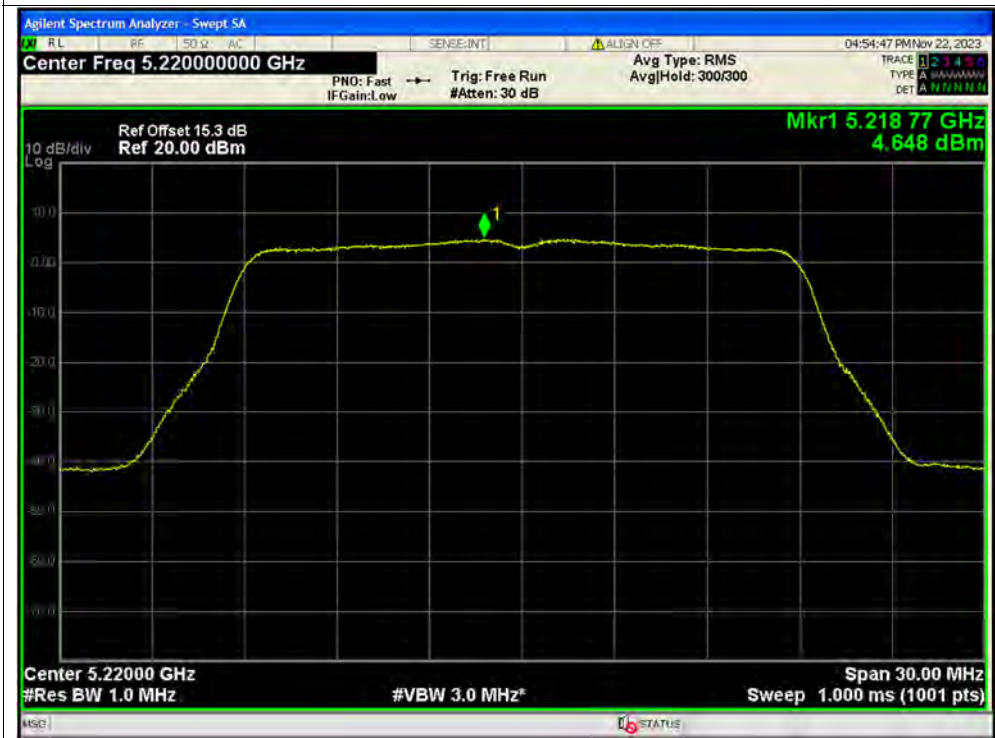




PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5220MHz Ant1





PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac20 5260MHz Ant1



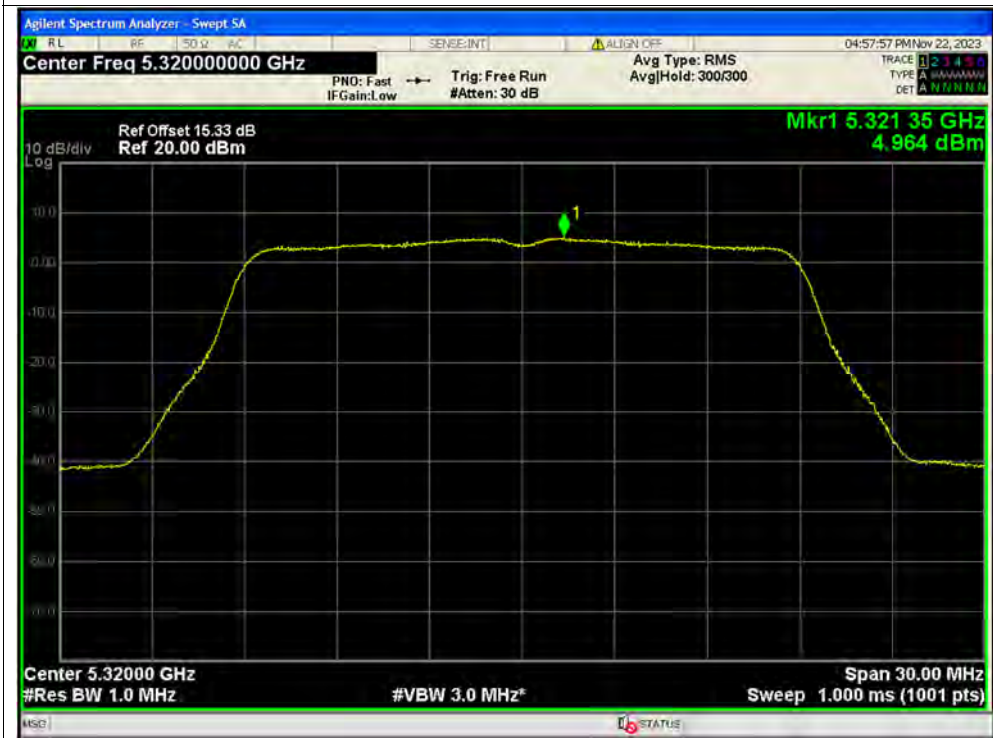




PSD NVNT ac20 5300MHz Ant1



PSD NVNT ac20 5320MHz Ant1







PSD NVNT ac20 5600MHz Ant1



PSD NVNT ac20 5720MHz Ant1





PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1





PSD NVNT ac20 5825MHz Ant1

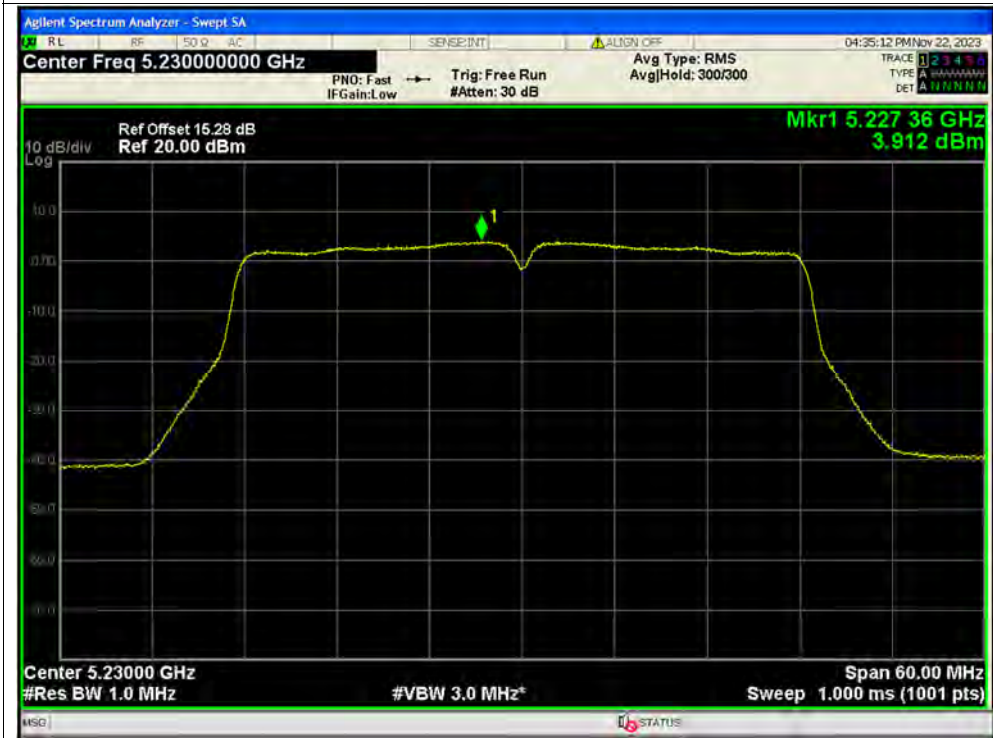


PSD NVNT ac40 5190MHz Ant1





PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac40 5270MHz Ant1





PSD NVNT ac40 5310MHz Ant1

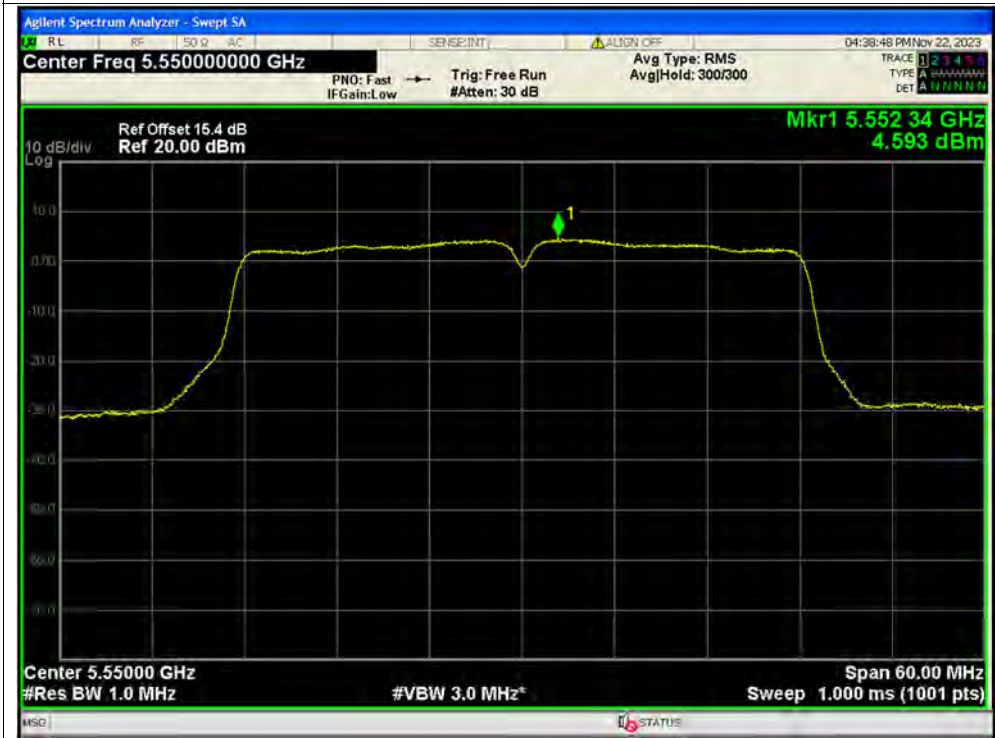


PSD NVNT ac40 5510MHz Ant1





PSD NVNT ac40 5550MHz Ant1



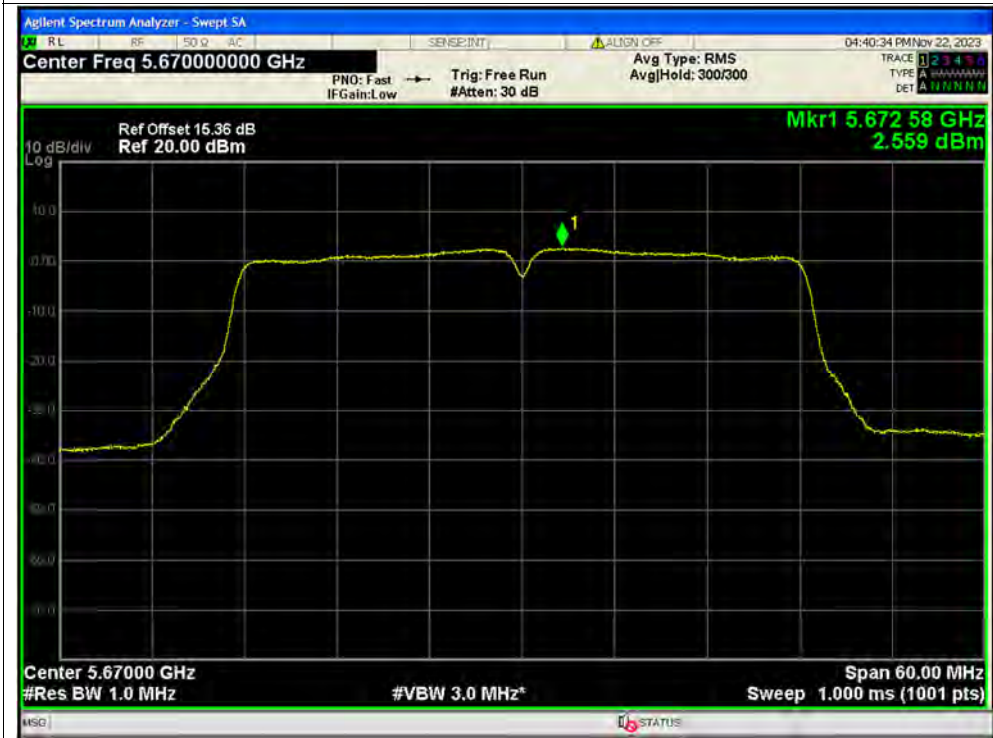
PSD NVNT ac40 5630MHz Ant1







PSD NVNT ac40 5670MHz Ant1



PSD NVNT ac40 5755MHz Ant1





PSD NVNT ac40 5795MHz Ant1

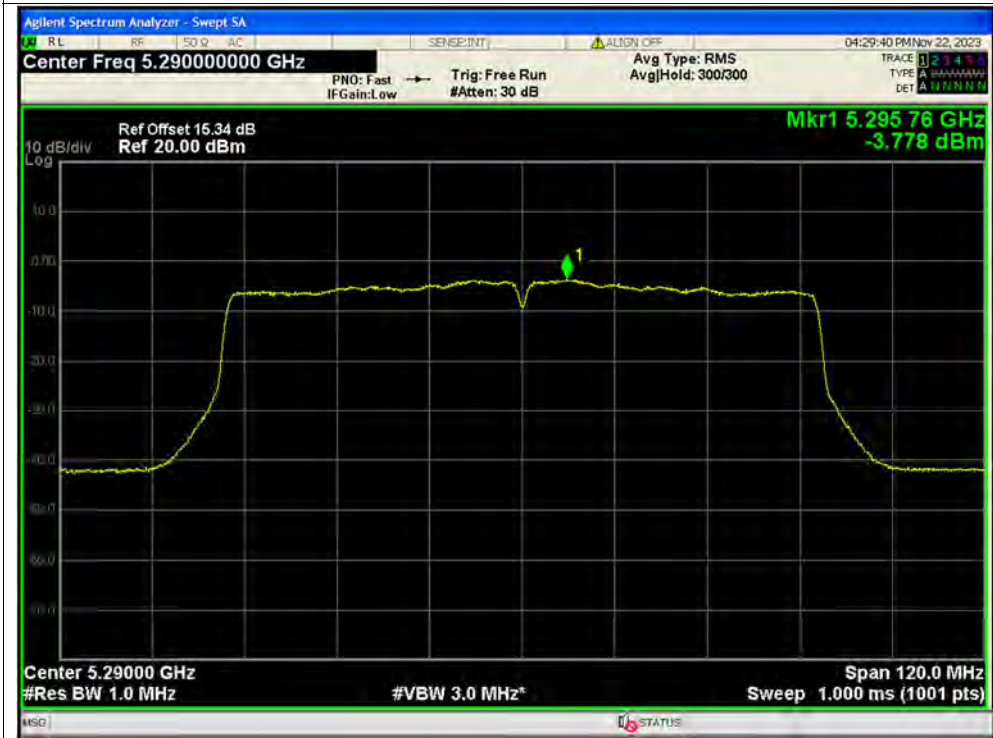


PSD NVNT ac80 5210MHz Ant1





PSD NVNT ac80 5290MHz Ant1



PSD NVNT ac80 5530MHz Ant1



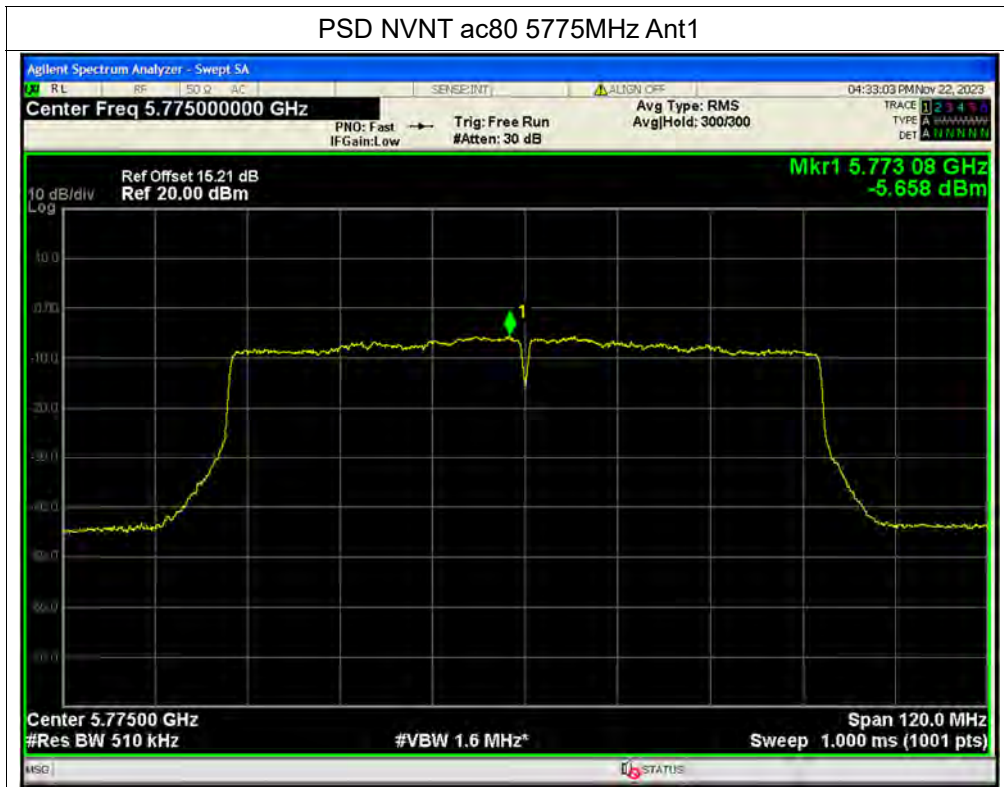


PSD NVNT ac80 5610MHz Ant1



PSD NVNT ac80 5690MHz Ant1





**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.65V	Carrier	5180	Ant1	5180.003	3000	25	Pass
20C 4.4V	Carrier	5180	Ant1	5180.003	3000	25	Pass
0C 3.87V	Carrier	5180	Ant1	5180.003	3000	25	Pass
10C 3.87V	Carrier	5180	Ant1	5180.003	3000	25	Pass
20C 3.87V	Carrier	5180	Ant1	5180.003	3000	25	Pass
30C 3.87V	Carrier	5180	Ant1	5180.003	3000	25	Pass
40C 3.87V	Carrier	5180	Ant1	5180.003	3000	25	Pass
45C 3.87V	Carrier	5180	Ant1	5180.003	3000	25	Pass
20C 3.65V	Carrier	5260	Ant1	5260.003	3000	25	Pass
20C 4.4V	Carrier	5260	Ant1	5260.003	3000	25	Pass
0C 3.87V	Carrier	5260	Ant1	5260.003	3000	25	Pass
10C 3.87V	Carrier	5260	Ant1	5260.003	3000	25	Pass
20C 3.87V	Carrier	5260	Ant1	5260.003	3000	25	Pass
30C 3.87V	Carrier	5260	Ant1	5260.003	3000	25	Pass
40C 3.87V	Carrier	5260	Ant1	5260.003	3000	25	Pass
45C 3.87V	Carrier	5260	Ant1	5260.003	3000	25	Pass
20C 3.65V	Carrier	5500	Ant1	5500.003	3000	25	Pass
20C 4.4V	Carrier	5500	Ant1	5500.003	3000	25	Pass
0C 3.87V	Carrier	5500	Ant1	5500.003	3000	25	Pass
10C 3.87V	Carrier	5500	Ant1	5500.003	3000	25	Pass
20C 3.87V	Carrier	5500	Ant1	5500.003	3000	25	Pass
30C 3.87V	Carrier	5500	Ant1	5500.003	3000	25	Pass
40C 3.87V	Carrier	5500	Ant1	5500.003	3000	25	Pass
45C 3.87V	Carrier	5500	Ant1	5500.003	3000	25	Pass
20C 3.65V	Carrier	5745	Ant1	5745.003	3000	25	Pass
20C 4.4V	Carrier	5745	Ant1	5745.003	3000	25	Pass
0C 3.87V	Carrier	5745	Ant1	5745.003	3000	25	Pass
10C 3.87V	Carrier	5745	Ant1	5745.003	3000	25	Pass
20C 3.87V	Carrier	5745	Ant1	5745.003	3000	25	Pass
30C 3.87V	Carrier	5745	Ant1	5745.003	3000	25	Pass
40C 3.87V	Carrier	5745	Ant1	5745.003	3000	25	Pass
45C 3.87V	Carrier	5745	Ant1	5745.003	3000	25	Pass

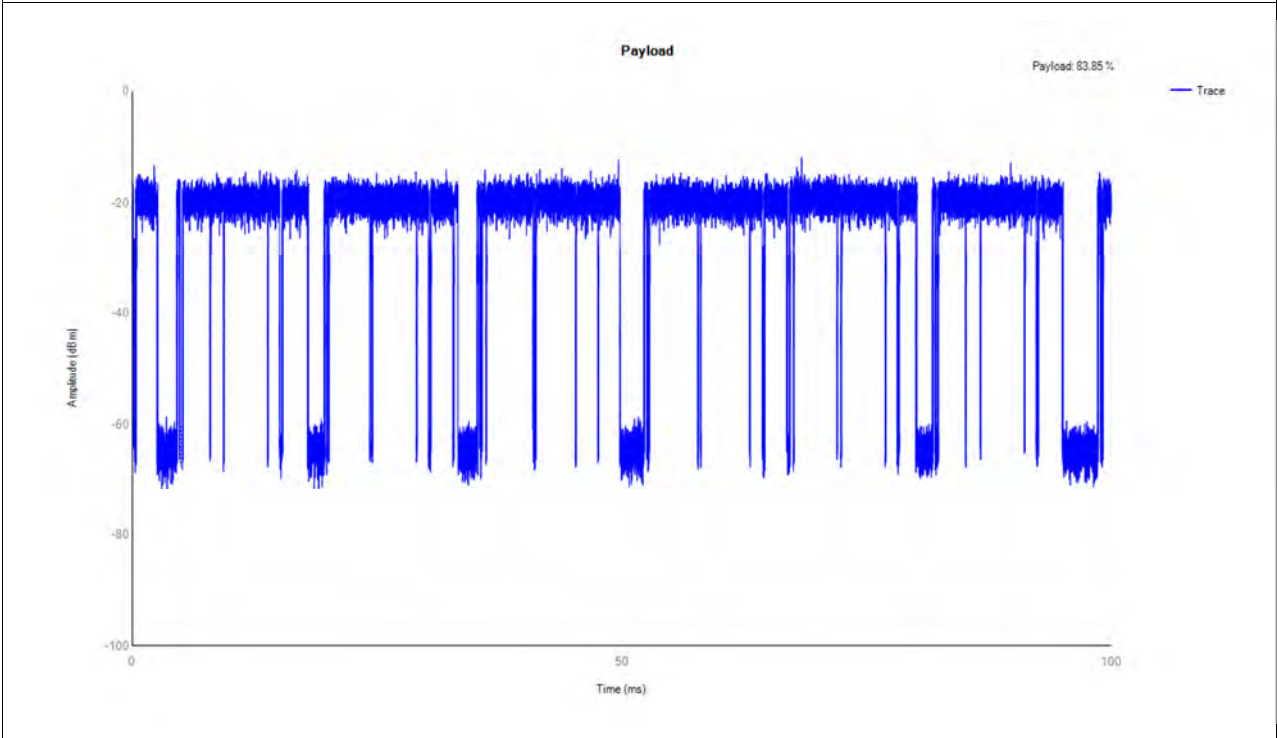


### A.6. Dynamic Frequency Selection

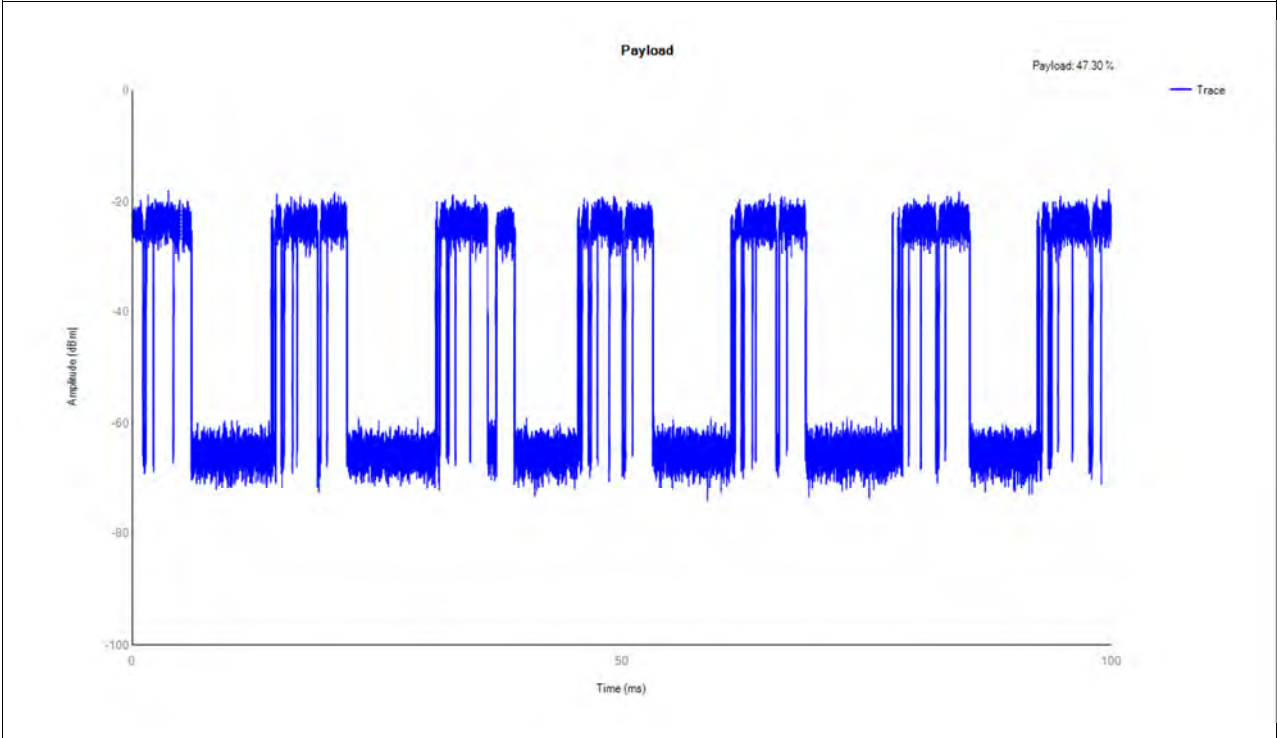
Payload

Mode	Frequency (MHz)	Result	Verdict
a	5320	83.85	Pass
a	5500	47.3	Pass
ac80	5290	39.18	Pass
ac80	5530	43.66	Pass

Test Graphs  
a 5320MHz Payload

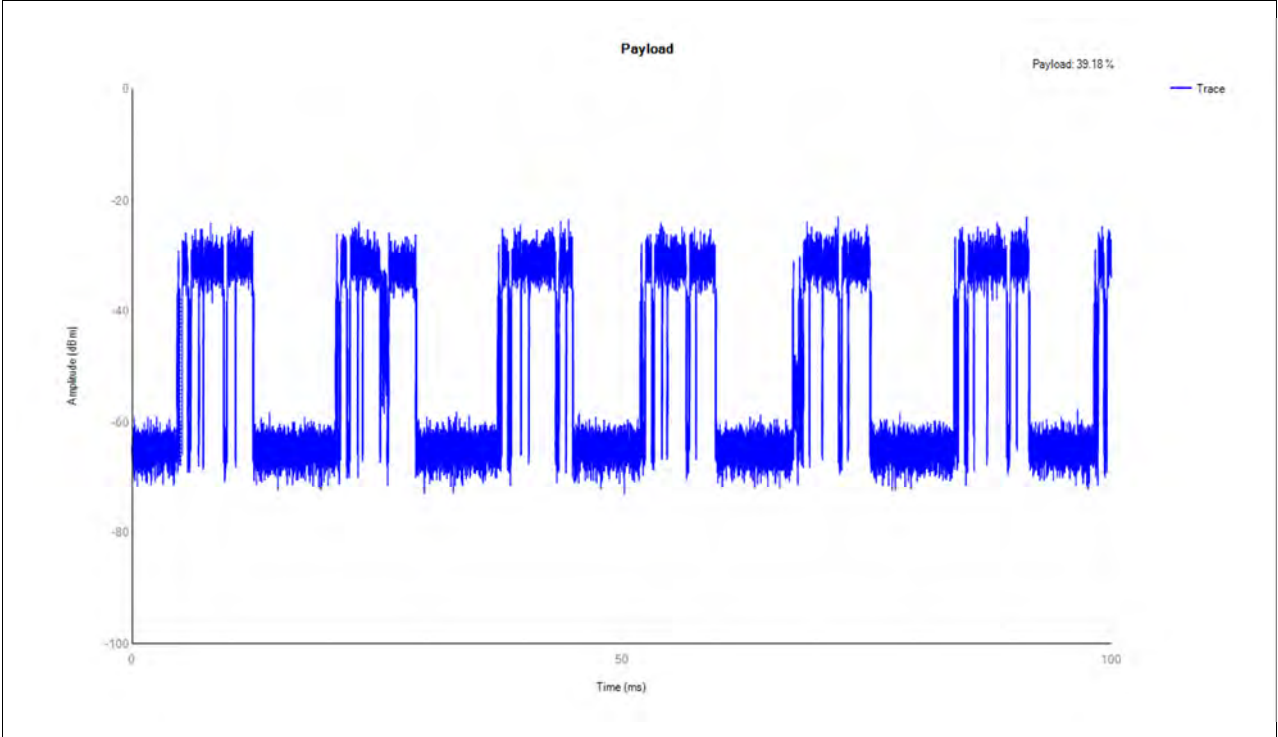


a 5500MHz Payload

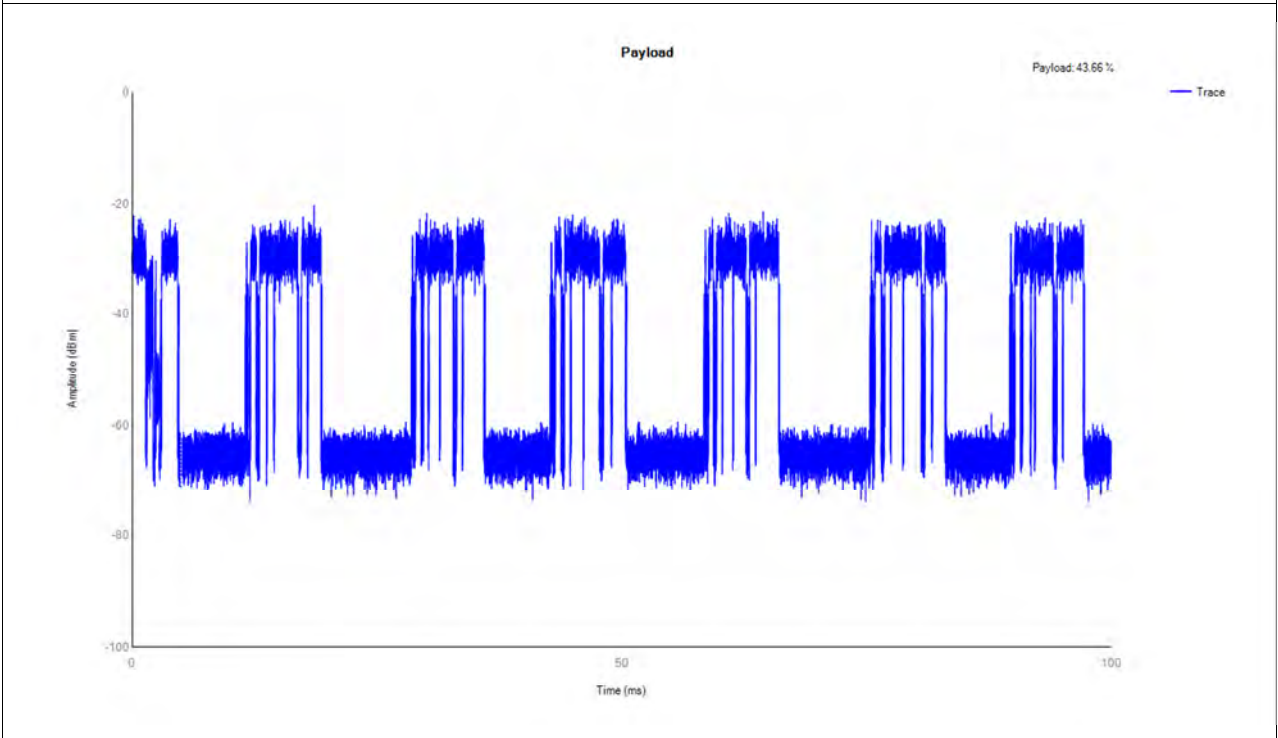




ac80 5290MHz Payload



ac80 5530MHz Payload





Detection Thresholds

Mode	Frequency (MHz)	Type	Result	Verdict
a	5320	DFS_FCC_T0	See test Graph	Pass
a	5500	DFS_FCC_T0	See test Graph	Pass
ac80	5290	DFS_FCC_T0	See test Graph	Pass
ac80	5530	DFS_FCC_T0	See test Graph	Pass

Spectrum analyzer settings:

Span: Zero

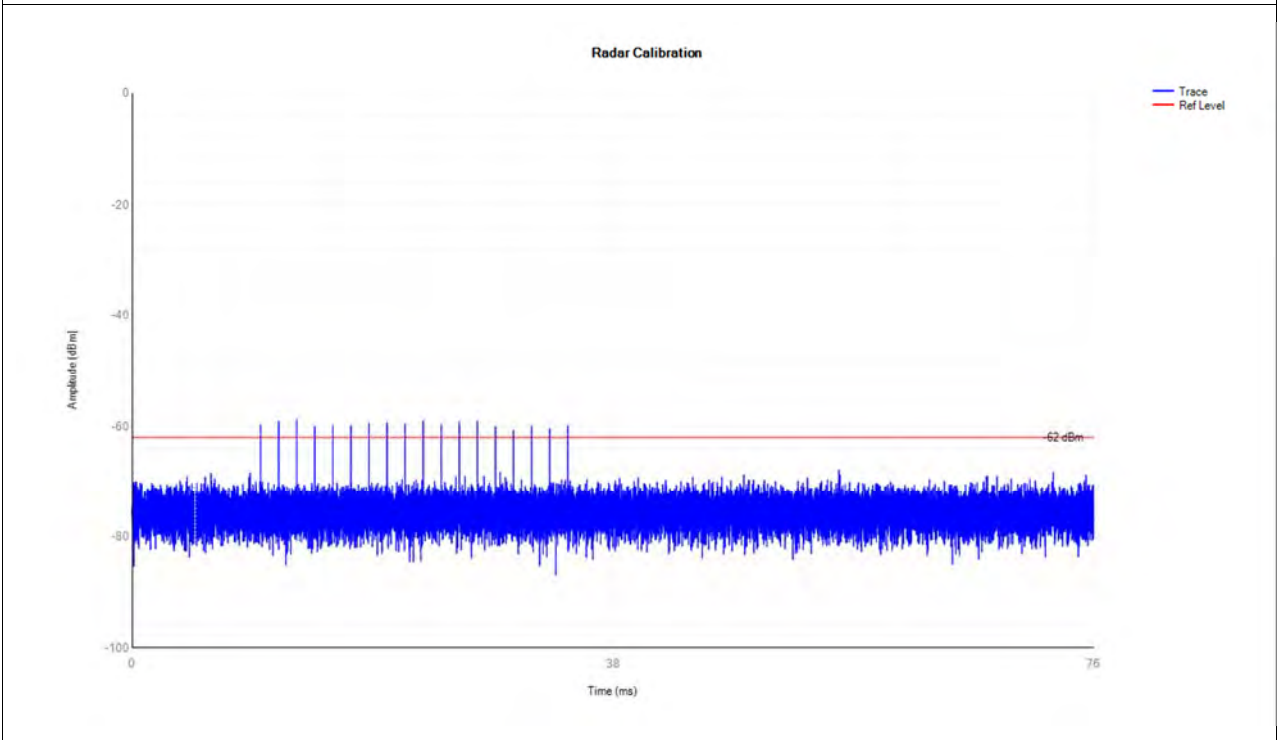
Detector Type: Peak

RBW: 3MHz

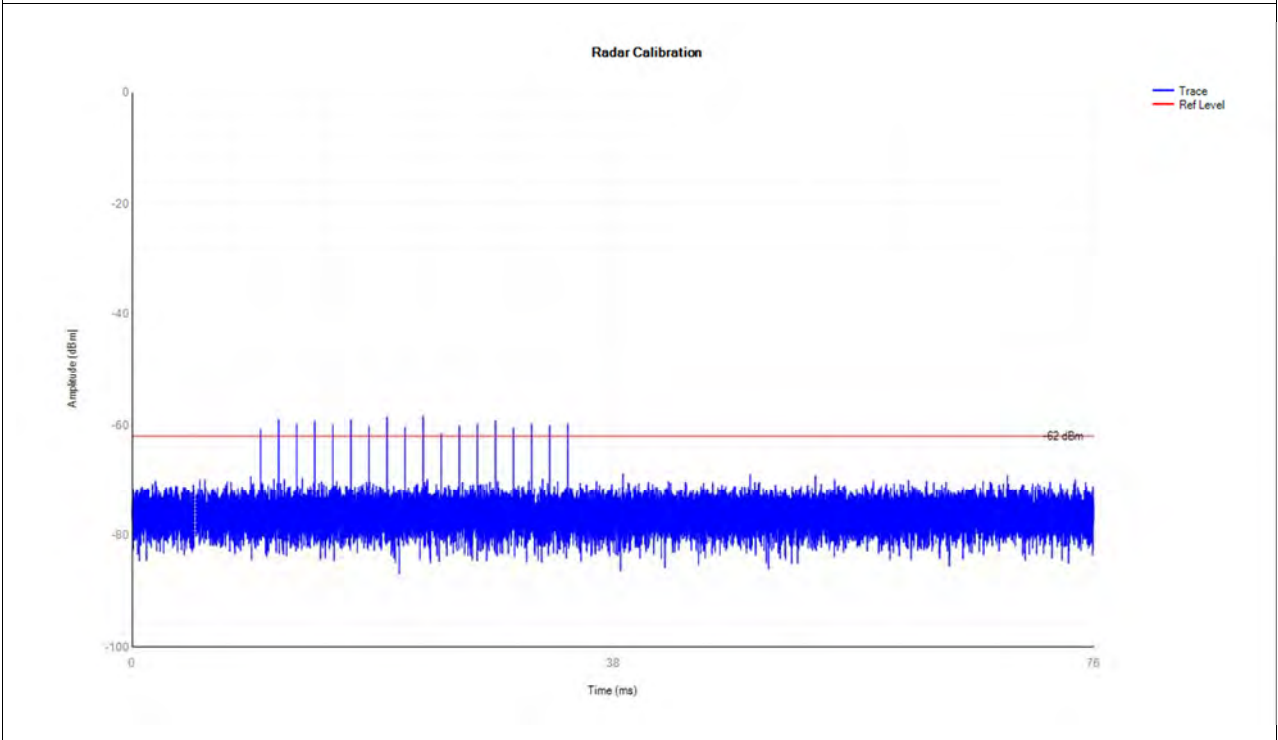
VBW: 3MHz

Test Graphs

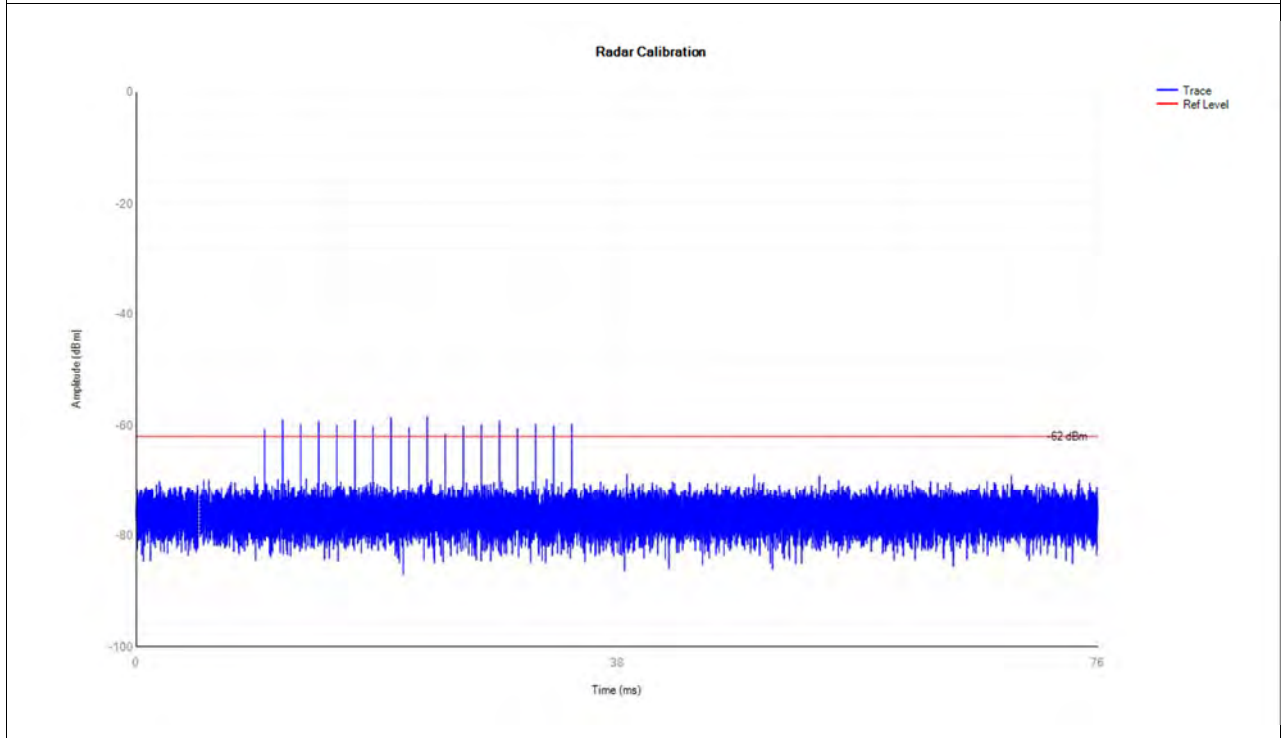
5320MHz DFS\_FCC\_T0



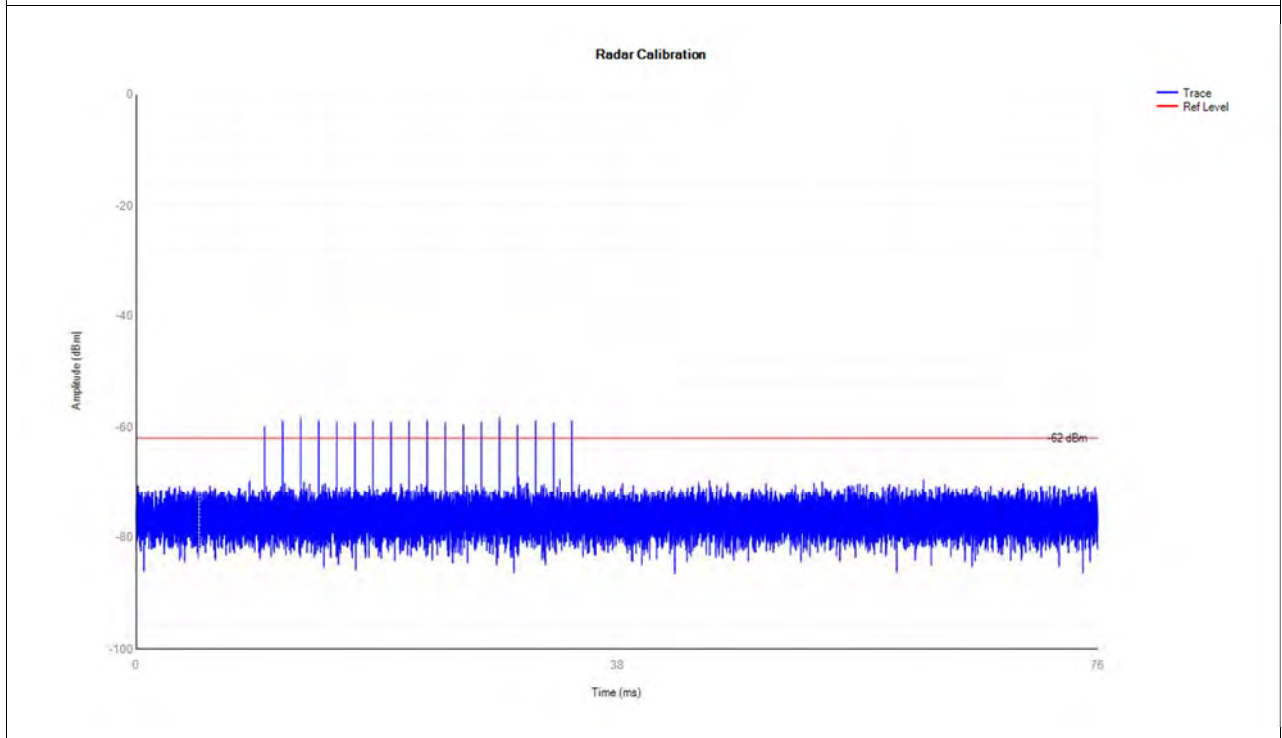
5500MHz DFS\_FCC\_T0



5290MHz DFS\_FCC\_T0



5530MHz DFS\_FCC\_T0





Channel Move Time and Channel Closing Transmission Time

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
a	5320	0.855	10	0.117	0.26	0.017	0.06	Pass
a	5500	0.973	10	0.130	0.26	0.020	0.06	Pass
ac80	5290	0.796	10	0.059	0.26	0.012	0.06	Pass
ac80	5530	1.008	10	0.089	0.26	0.030	0.06	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

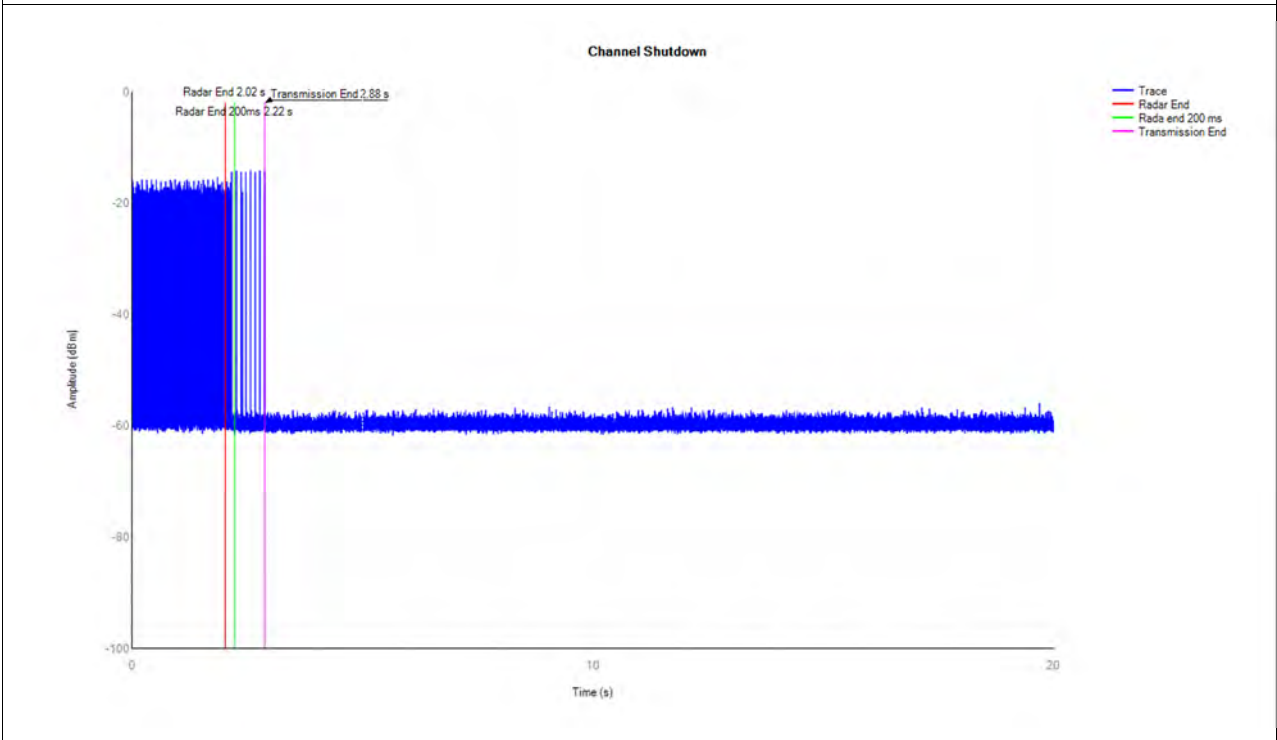
RBW: 3MHz

VBW: 3MHz

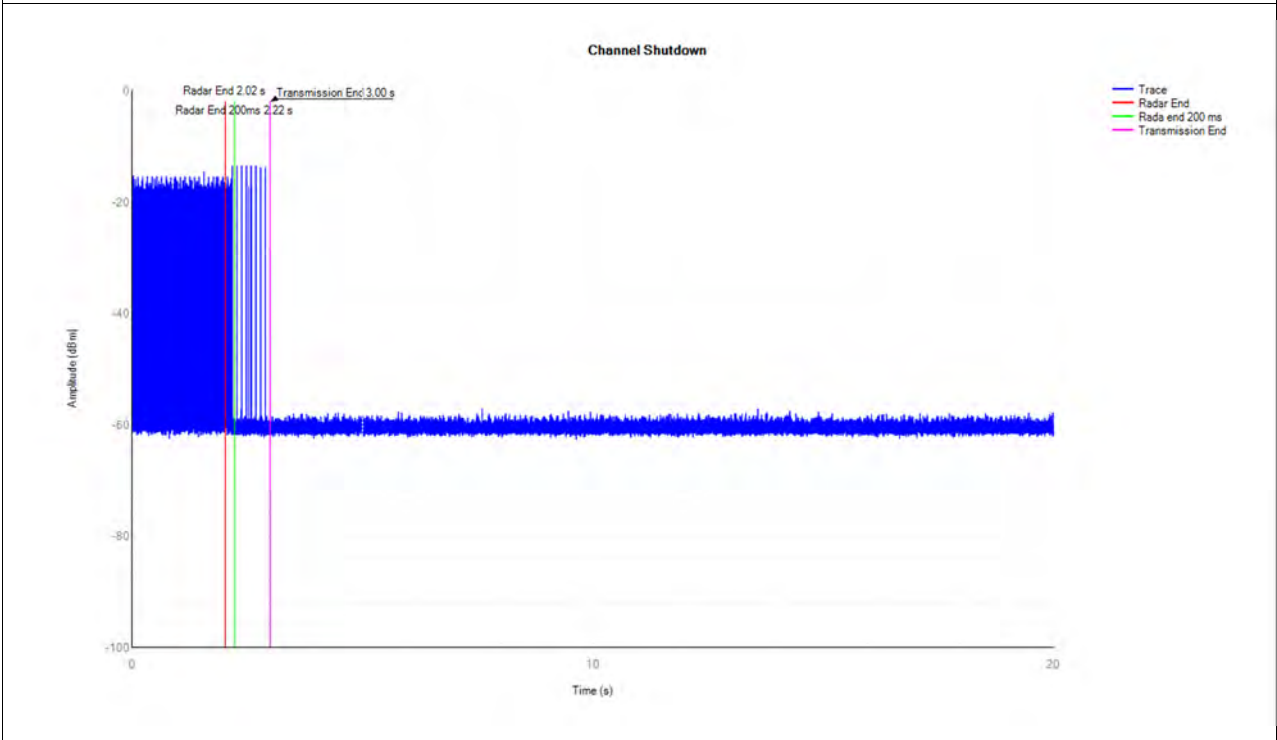
Sweep time: 20s

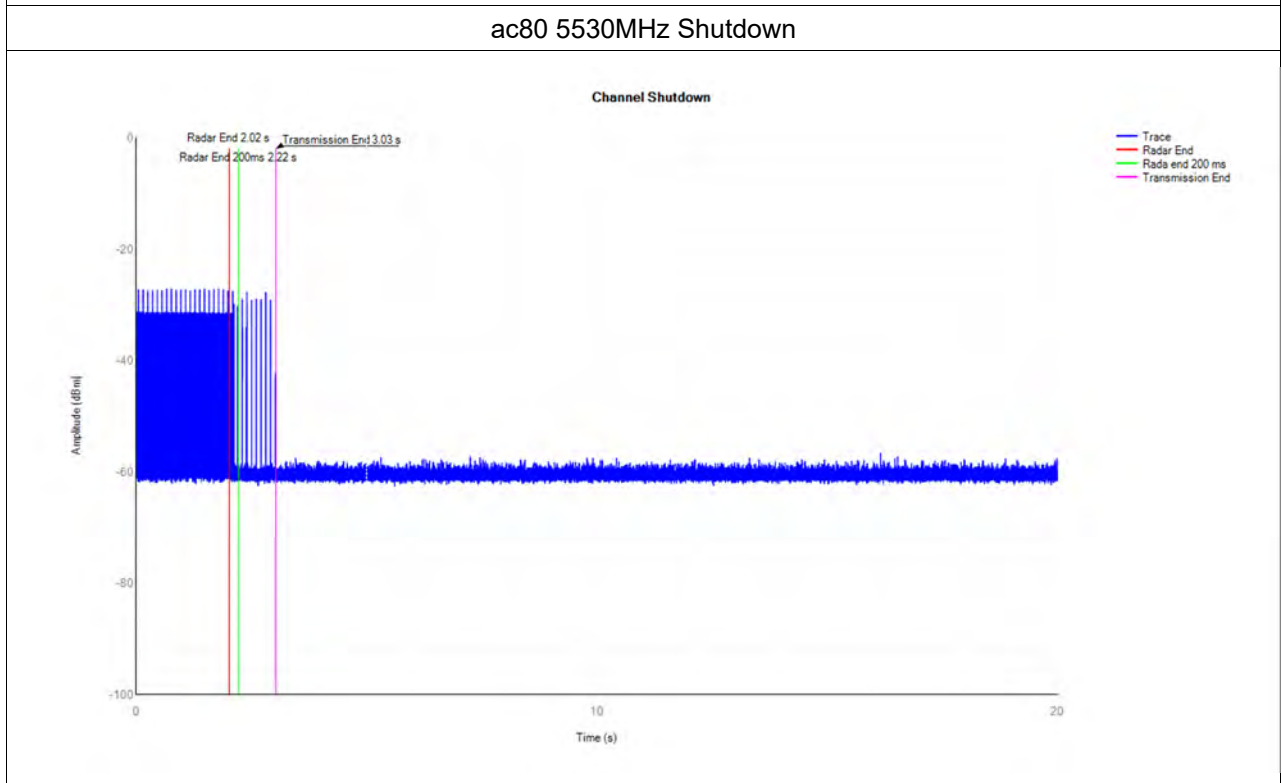
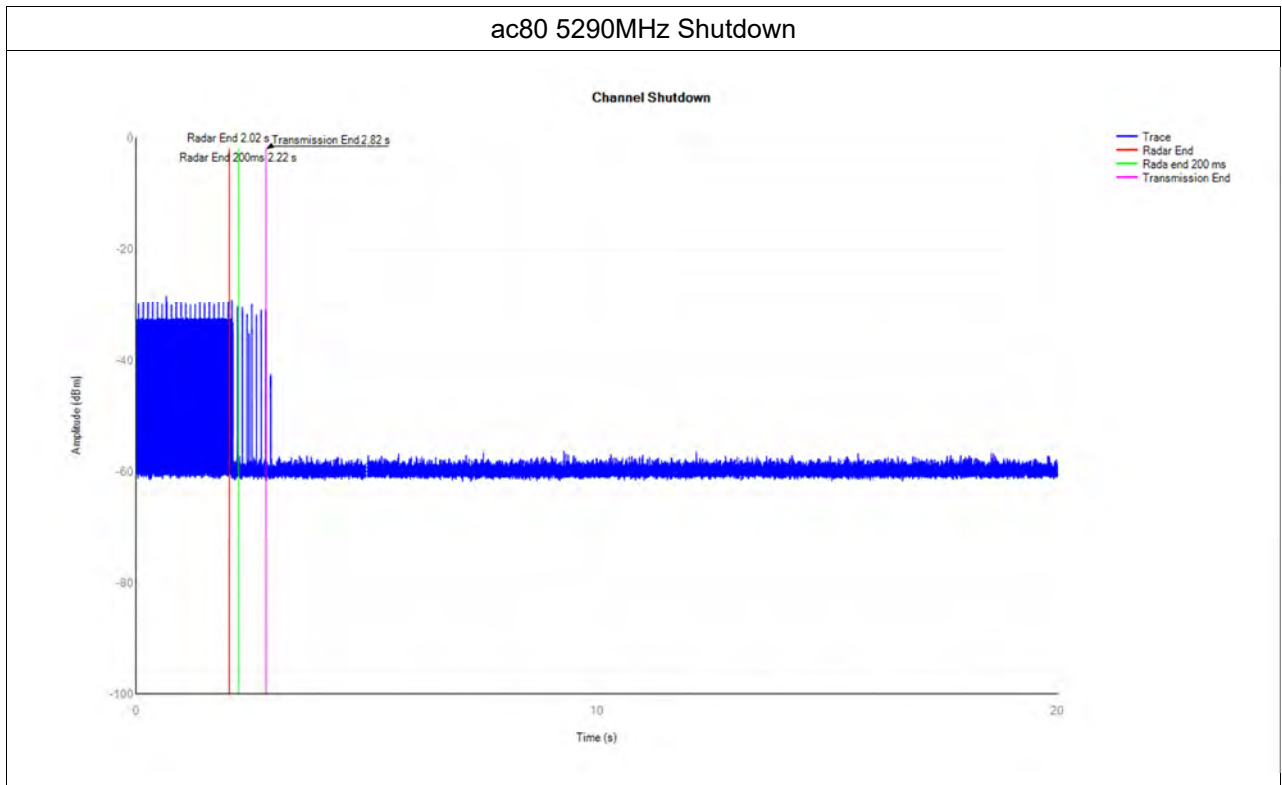
Test Graphs

a 5320MHz Shutdown



a 5500MHz Shutdown





Note: The signal above the noise floor after the radar signal ends is the signal which leaked from other channels that have been moved following the Master device.



Non-Occupancy Period

Mode	Frequency (MHz)	Result	Verdict
a	5320	See test Graph	Pass
a	5500	See test Graph	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

RBW: 3MHz

VBW: 3MHz

Sweep time: 1850s

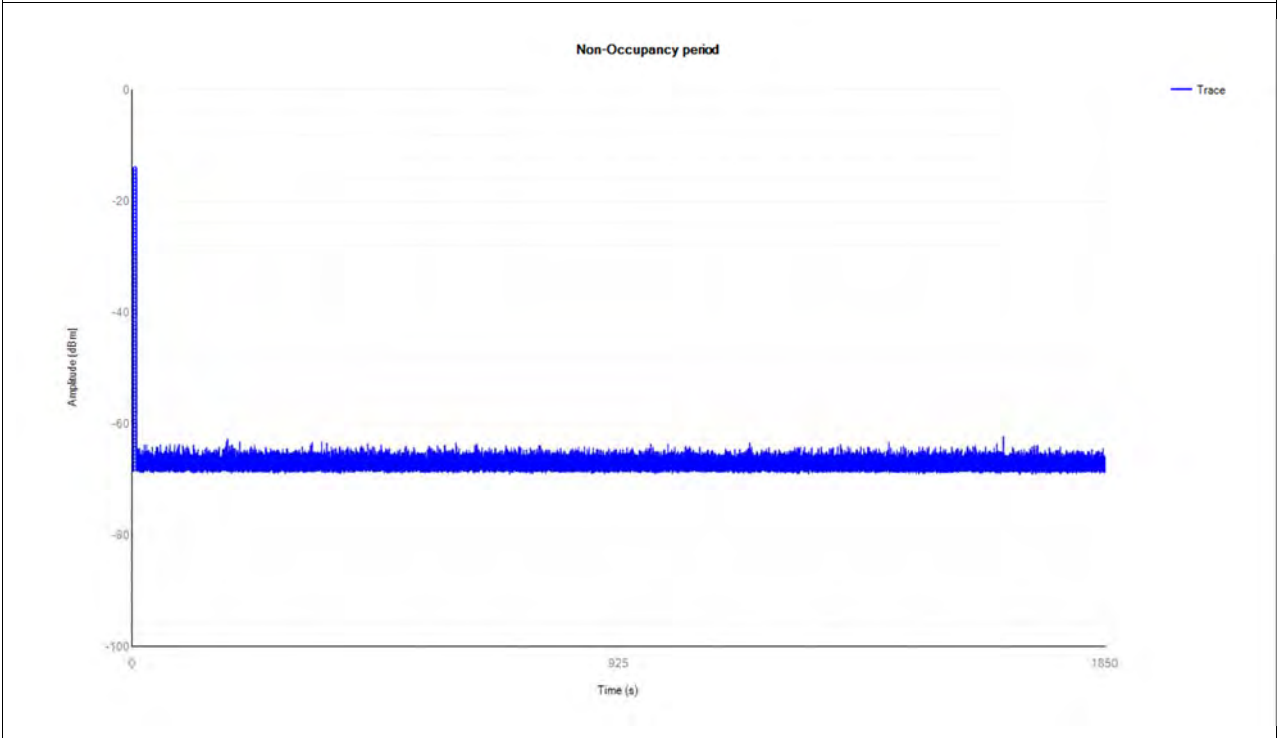




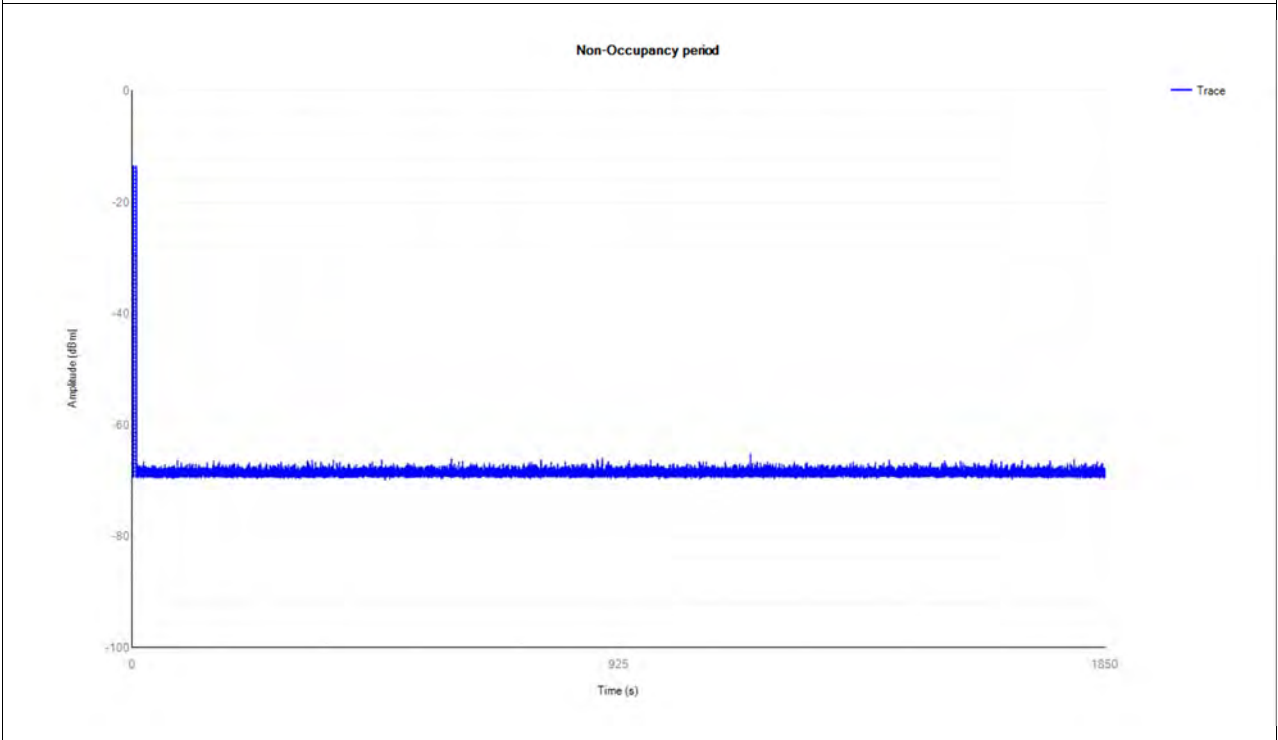


Test Graphs

a 5320MHz Non-Occupancy



a 5500MHz Non-Occupancy





### A.7. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

**Note:** Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

#### A. Test Setup:

Test Mode: EUT + USB Cable + PC + WIFI TX

Test voltage: AC 120V/60Hz

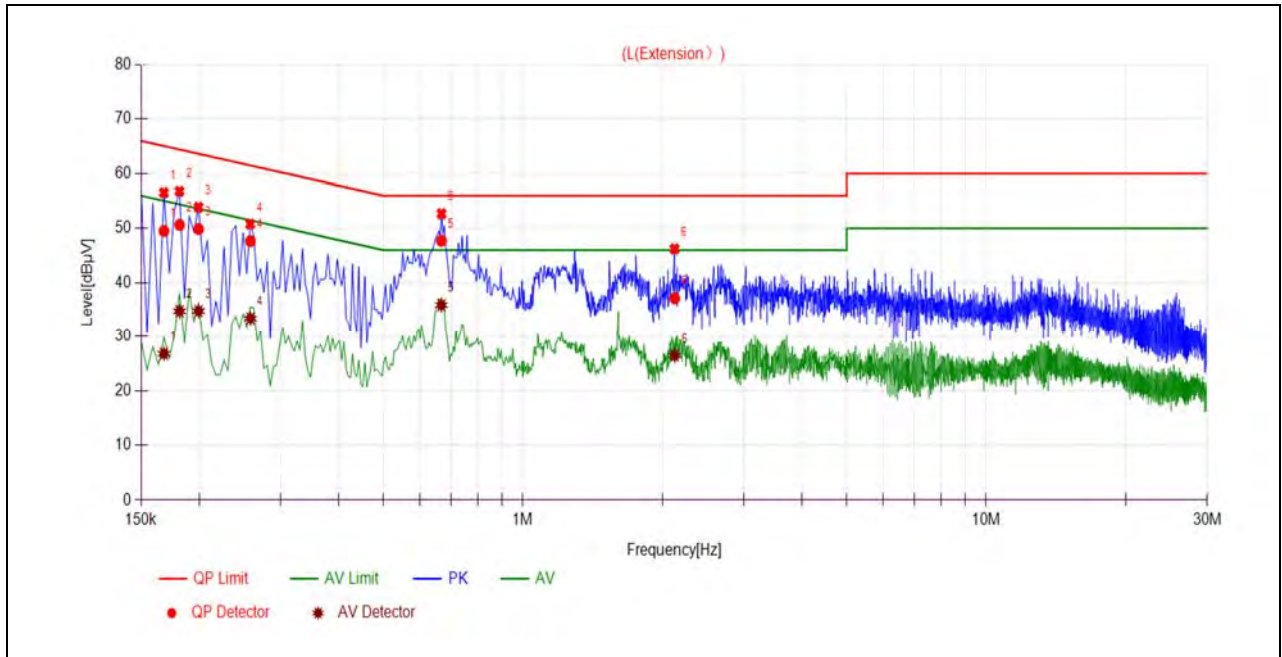
The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V]} = U_R + L_{\text{Cable loss}} \text{ [dB]} + A_{\text{Factor}}$$

$U_R$ : Receiver Reading

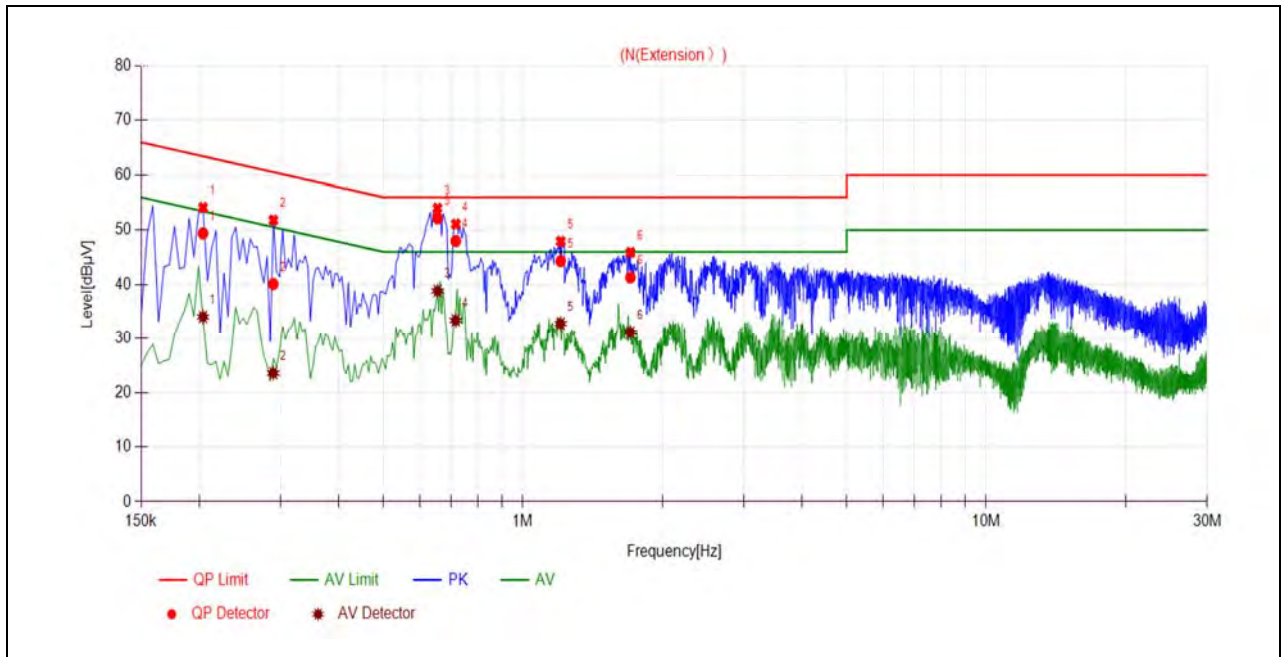
$A_{\text{Factor}}$ : Voltage division factor of LISN

**B. Test Plot:**



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1680	49.51	26.78	65.06	55.06	Line	PASS
2	0.1816	50.66	34.75	64.41	54.41		PASS
3	0.1995	49.90	34.79	63.63	53.63		PASS
4	0.2582	47.66	33.41	61.49	51.49		PASS
5	0.6671	47.74	35.87	56.00	46.00		PASS
6	2.1270	37.14	26.42	56.00	46.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.2040	49.41	34.07	63.45	53.45	Neutral	PASS
2	0.2893	40.10	23.57	60.54	50.54		PASS
3	0.6546	52.15	38.84	56.00	46.00		PASS
4	0.7164	48.02	33.42	56.00	46.00		PASS
5	1.2067	44.33	32.81	56.00	46.00		PASS
6	1.7063	41.31	31.17	56.00	46.00		PASS

**A.8. Restricted Frequency Bands**

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

The measurement results are obtained as below:

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

$A_T$ : Total correction Factor except Antenna

$U_R$ : Receiver Reading

$G_{\text{preamp}}$ : Preamplifier Gain

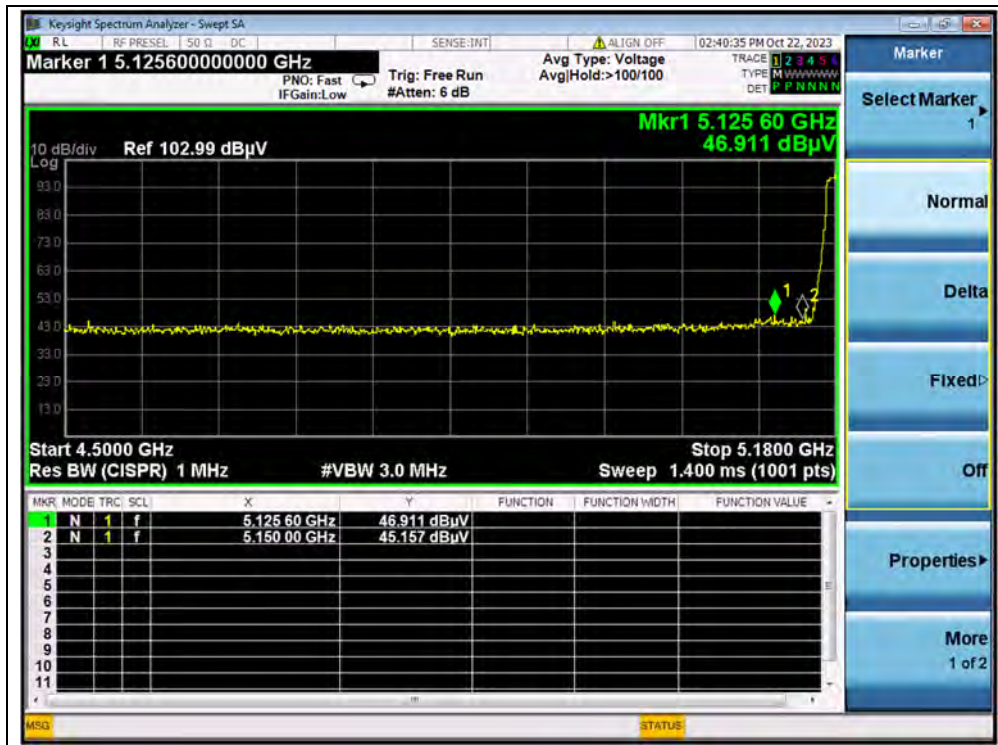
$A_{\text{Factor}}$ : Antenna Factor at 3m

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

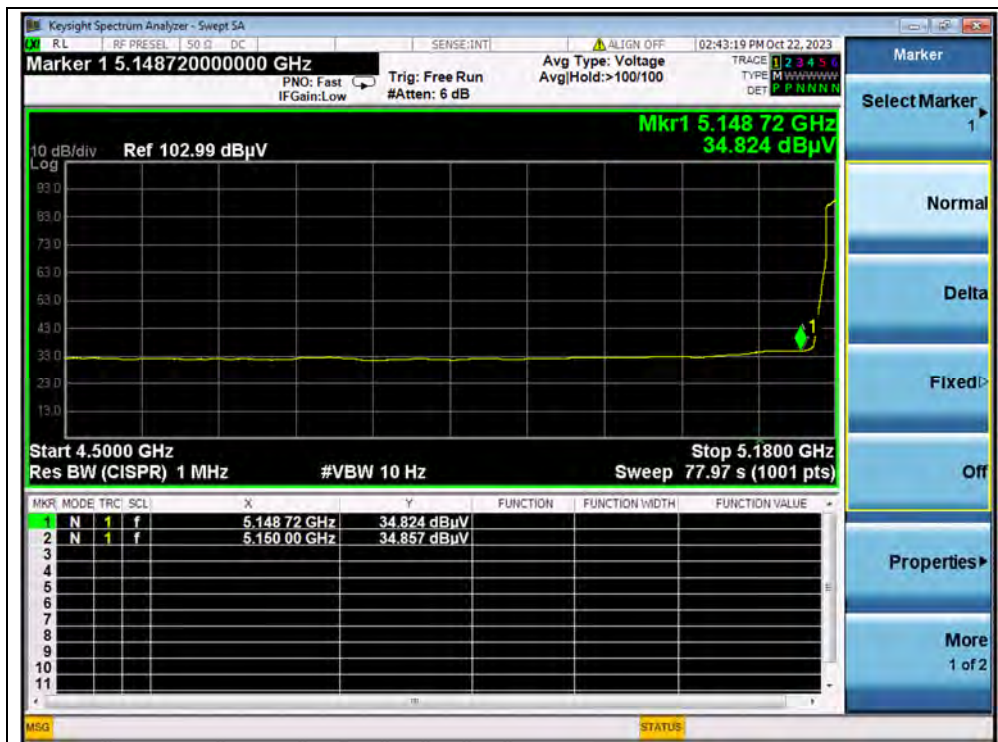
**Note 2:** All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

**802.11a Mode**

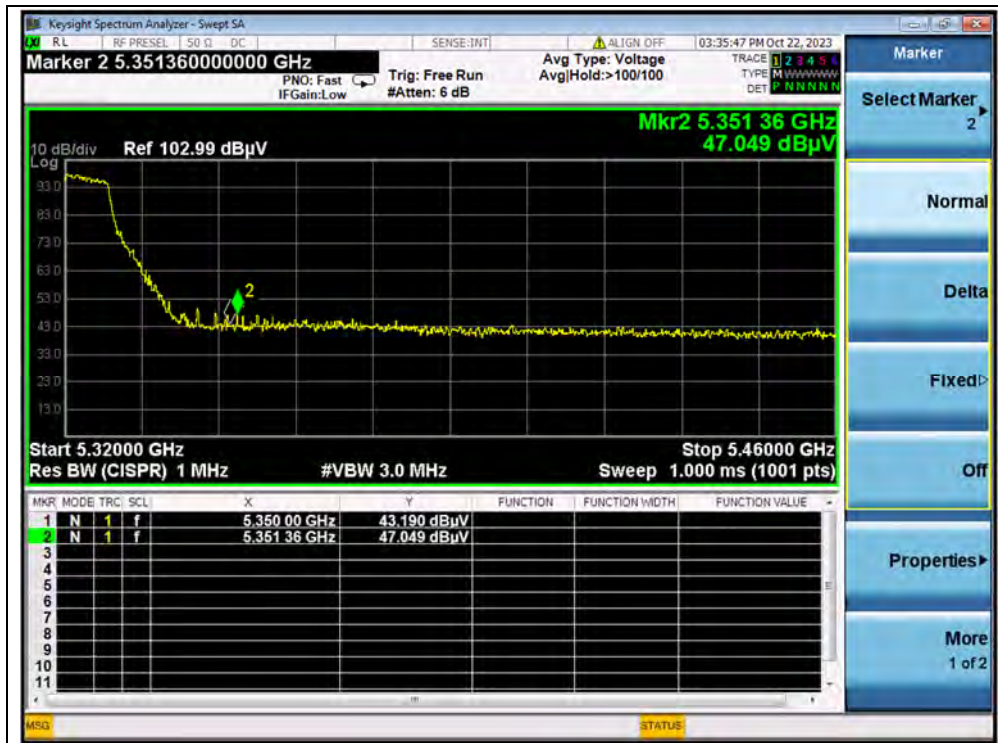
Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{\text{Factor}}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
36	5125.60	PK	46.91	-19.54	32.20	59.57	74	PASS
36	5150.00	AV	34.86	-19.54	32.20	47.52	54	PASS
64	5351.36	PK	47.05	-18.80	32.20	60.45	74	PASS
64	5352.34	AV	34.37	-18.80	32.20	47.77	54	PASS
100	5469.00	PK	46.24	-19.20	32.20	59.24	68.23	PASS
100	5460.00	AV	33.97	-19.20	32.20	46.97	54	PASS
144	5729.70	PK	50.36	-19.20	32.20	63.36	68.23	PASS
149	5725.00	PK	63.59	-19.01	32.20	76.78	122.23	PASS
165	5850.00	PK	49.69	-19.01	32.20	62.88	122.23	PASS



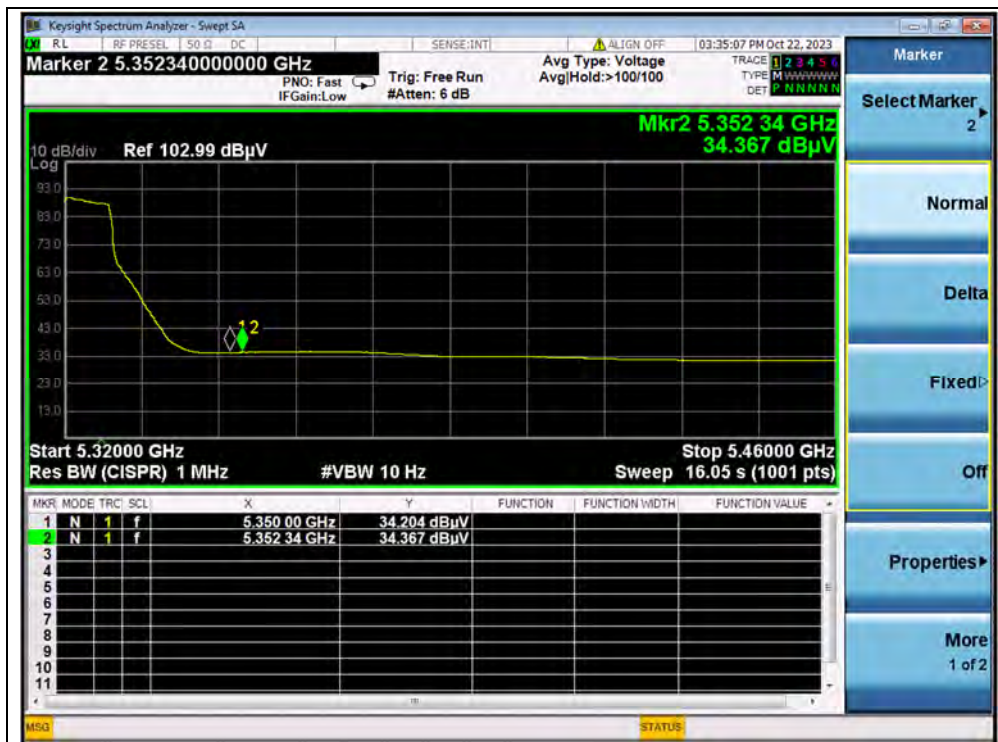
(PEAK, Channel 36, 802.11a)



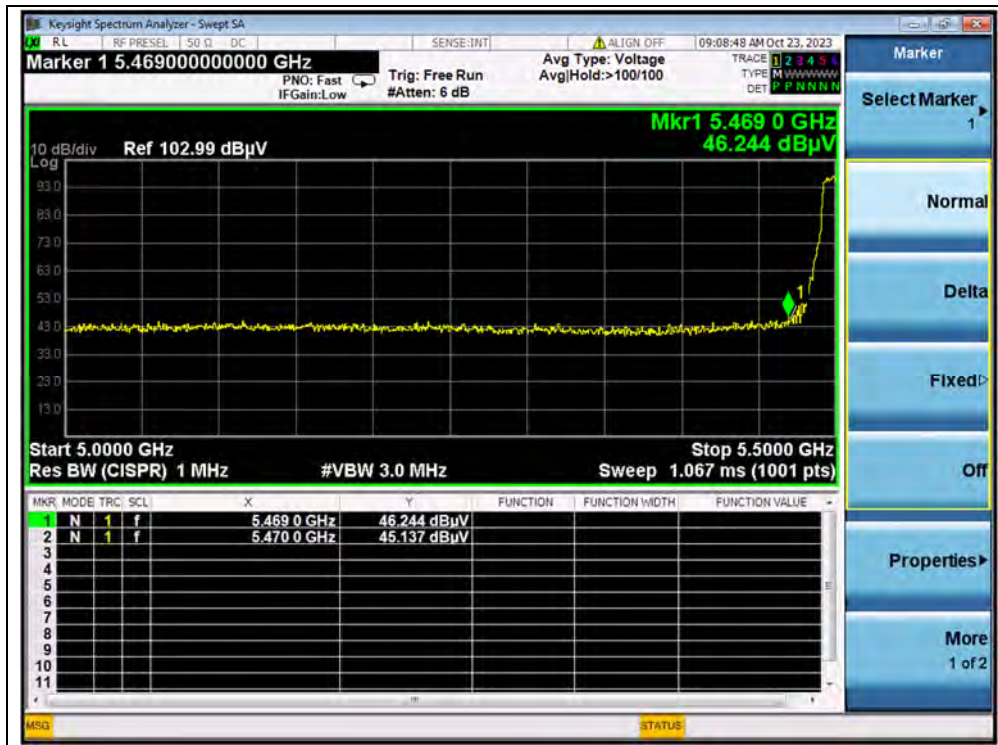
(AVERAGE, Channel 36, 802.11a)



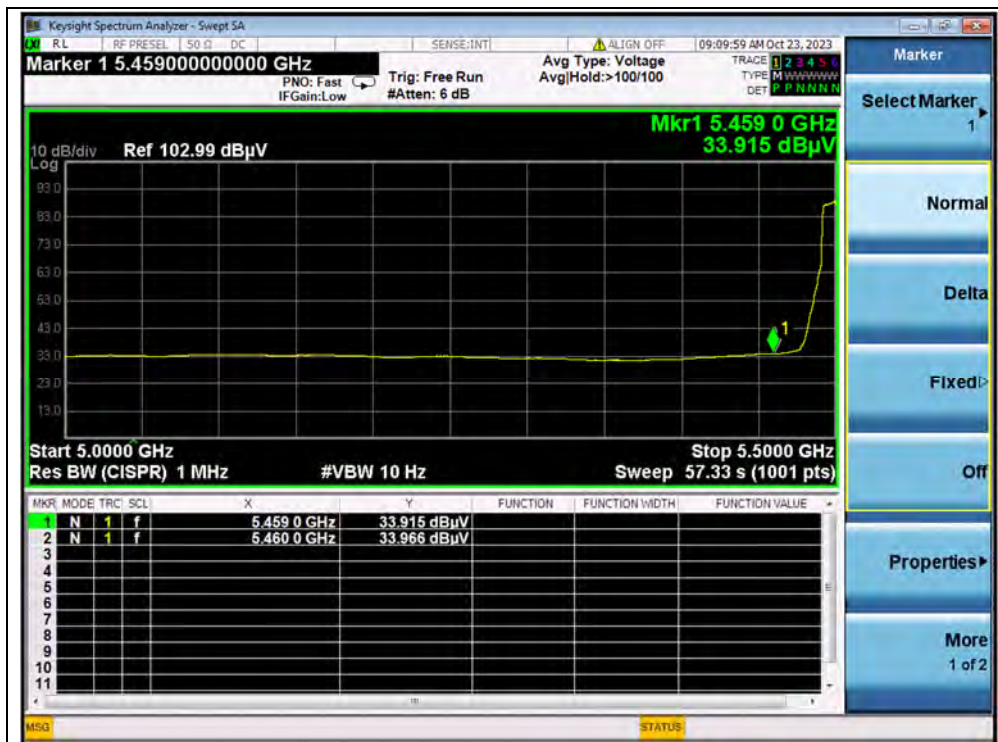
(PEAK, Channel 64, 802.11a)



(AVERAGE, Channel 64, 802.11a)

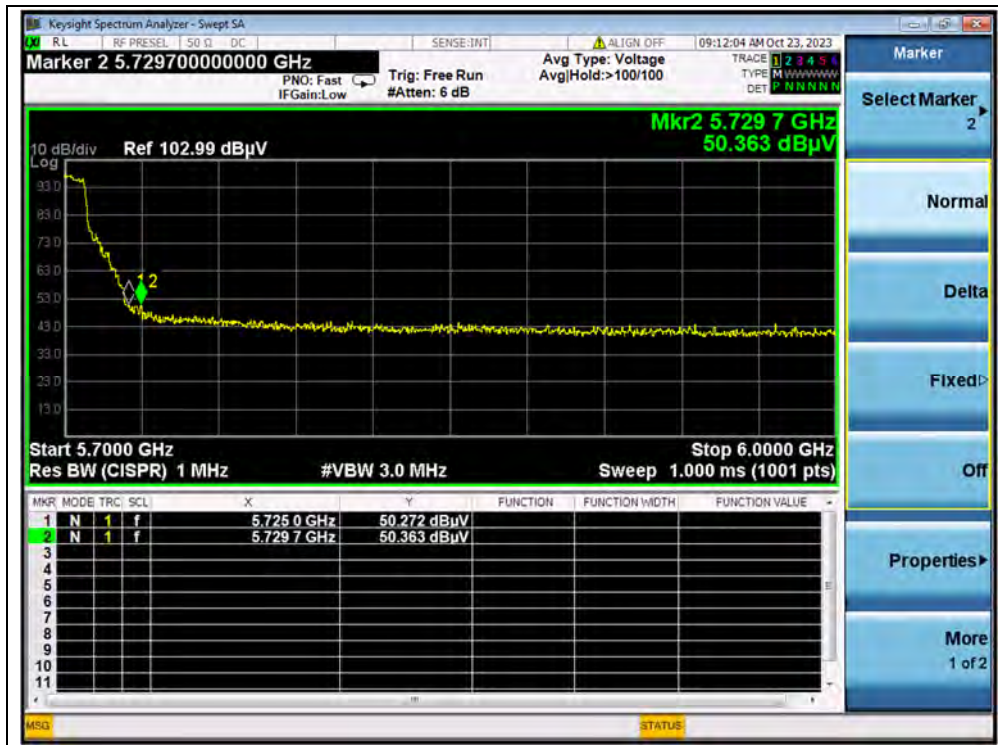


(PEAK, Channel 100, 802.11a)



(AVERAGE, Channel 100, 802.11a)





(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)

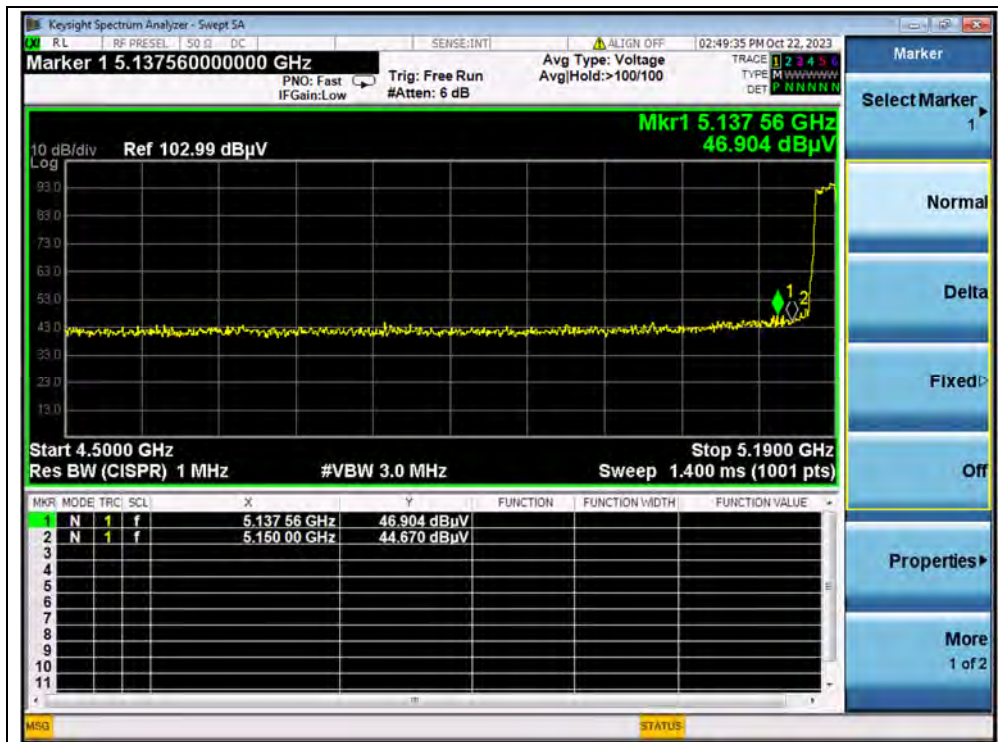


(PEAK, Channel 165, 802.11a)

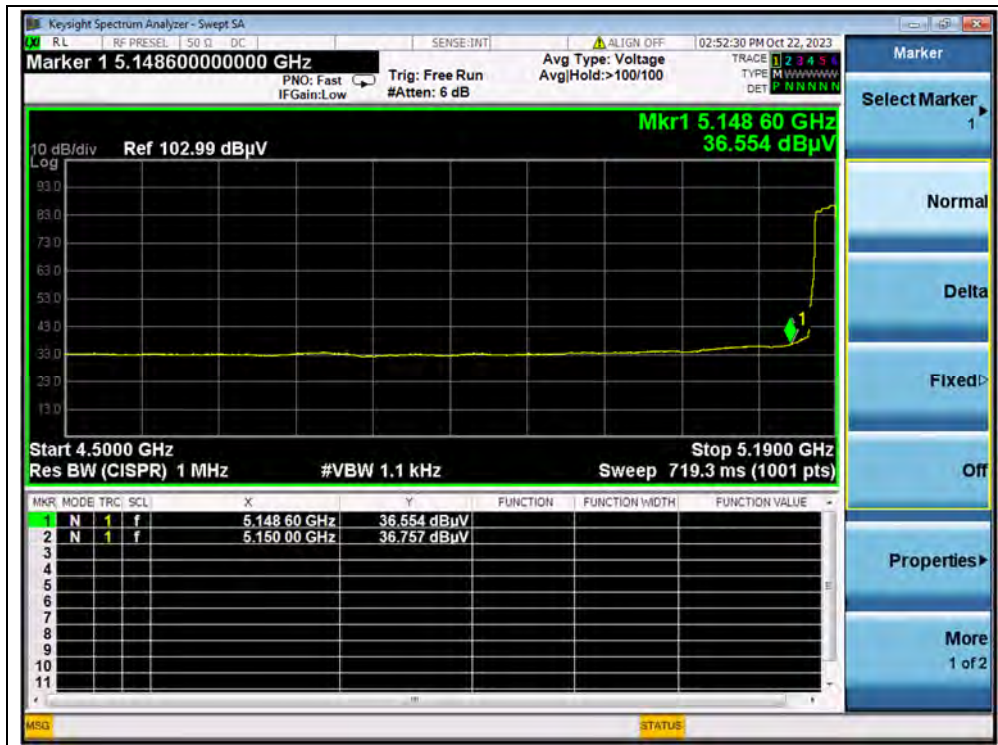


802.11n (HT40) Mode

Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{Factor}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
38	5137.56	PK	46.90	-19.54	32.20	59.56	74	PASS
38	5150.00	AV	36.76	-19.54	32.20	49.42	54	PASS
62	5351.36	PK	47.05	-18.80	32.20	60.45	74	PASS
62	5352.34	AV	34.37	-18.80	32.20	47.77	54	PASS
102	5462.57	PK	47.32	-19.20	32.20	60.32	68.23	PASS
102	5460.00	AV	35.37	-19.20	32.20	48.37	54	PASS
142	5745.57	PK	48.23	-19.20	32.20	61.23	68.23	PASS
151	5725.00	PK	55.08	-19.01	32.20	68.27	122.23	PASS
159	5850.00	PK	45.18	-19.01	32.20	58.37	122.23	PASS



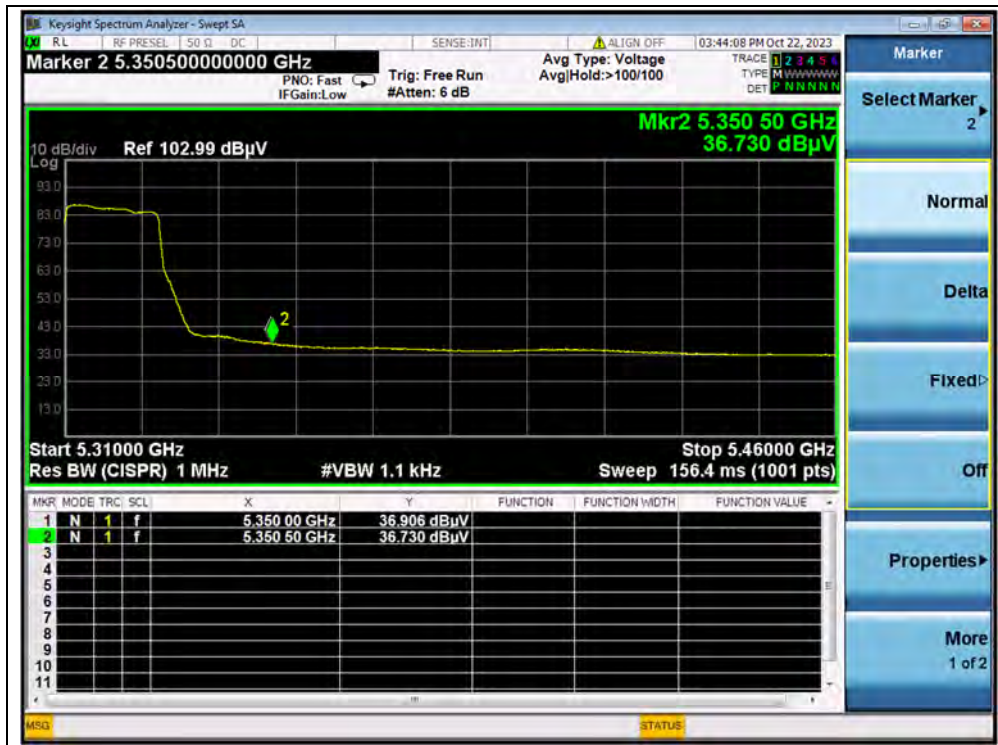
(PEAK, Channel 38, 802.11n (HT40))



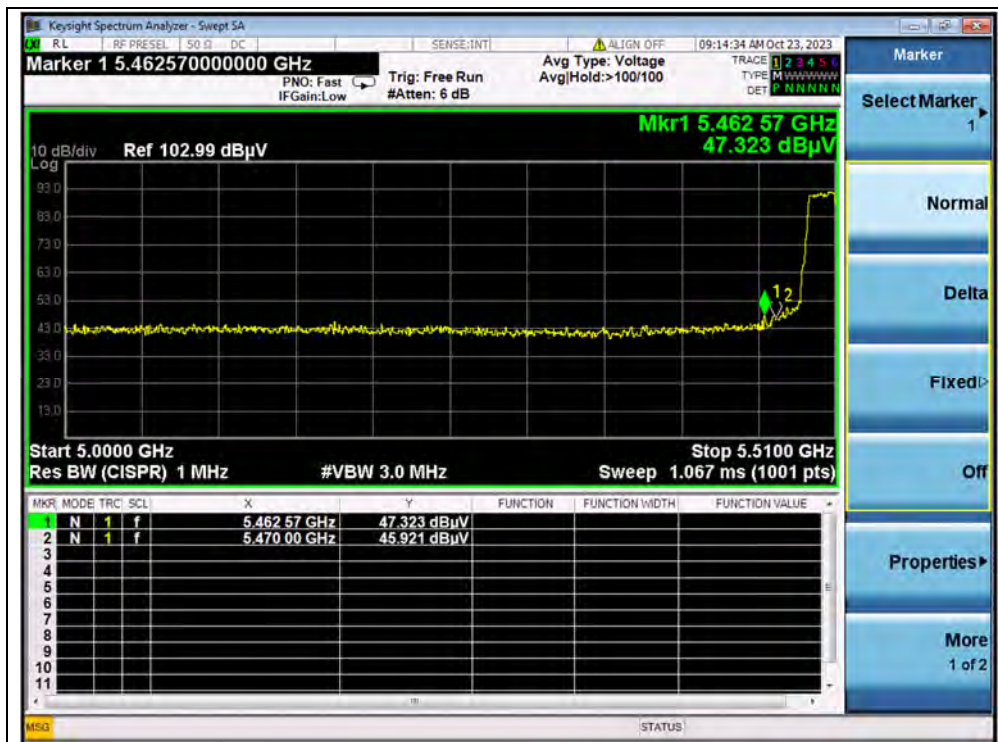
(AVERAGE, Channel 38, 802.11n (HT40))



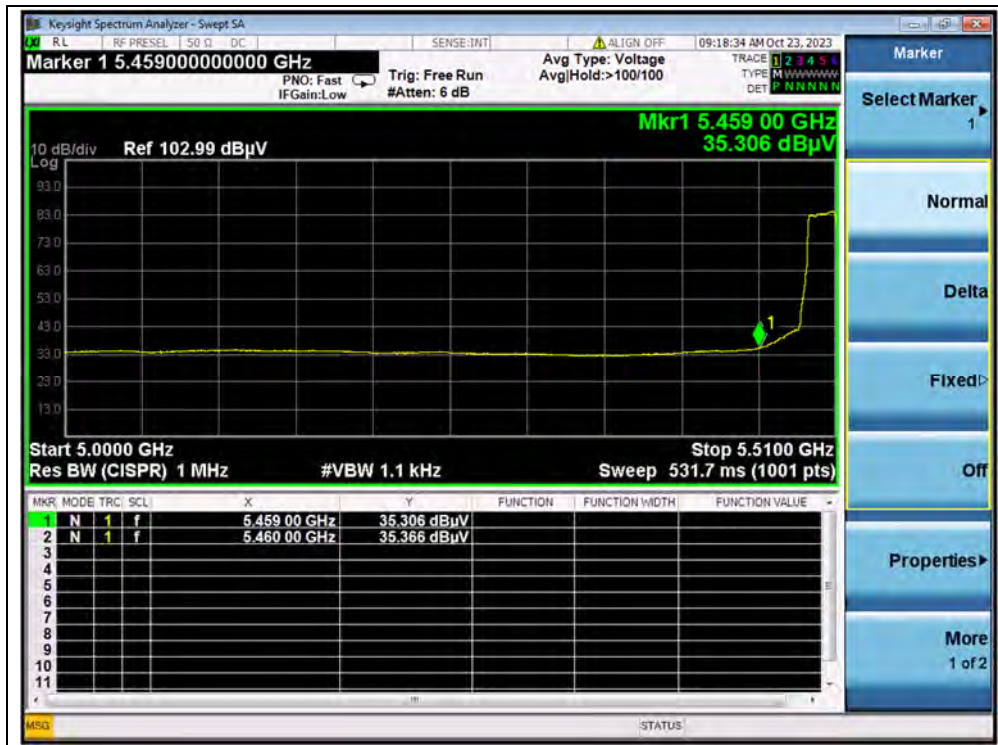
(PEAK, Channel 62, 802.11n (HT40))



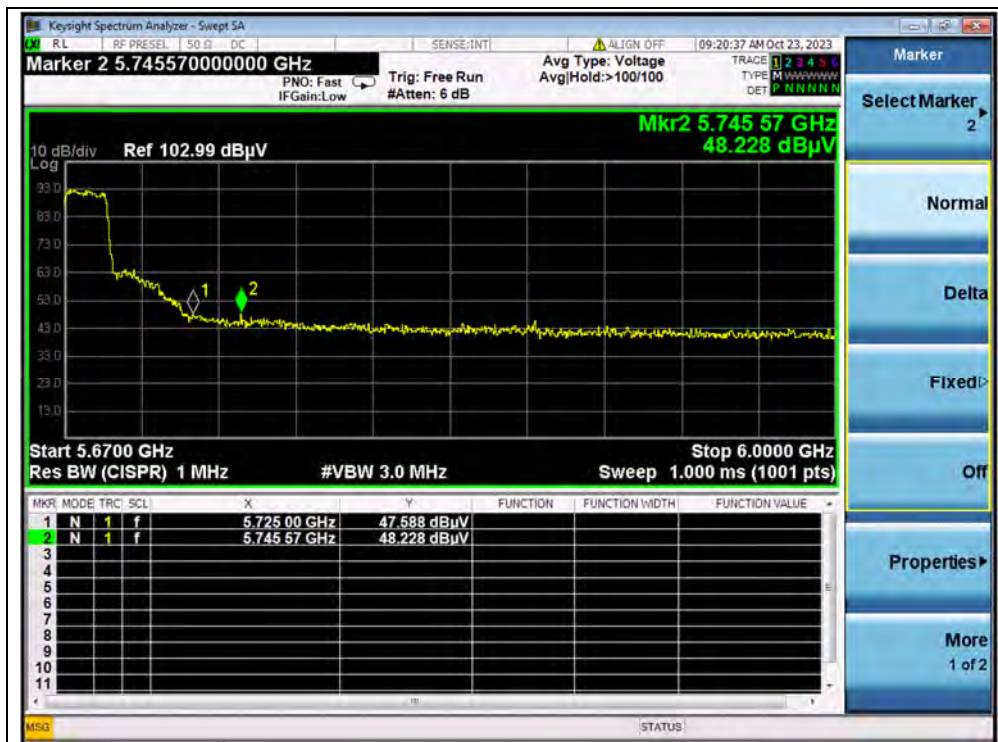
(AVERAGE, Channel 62, 802.11n (HT40))



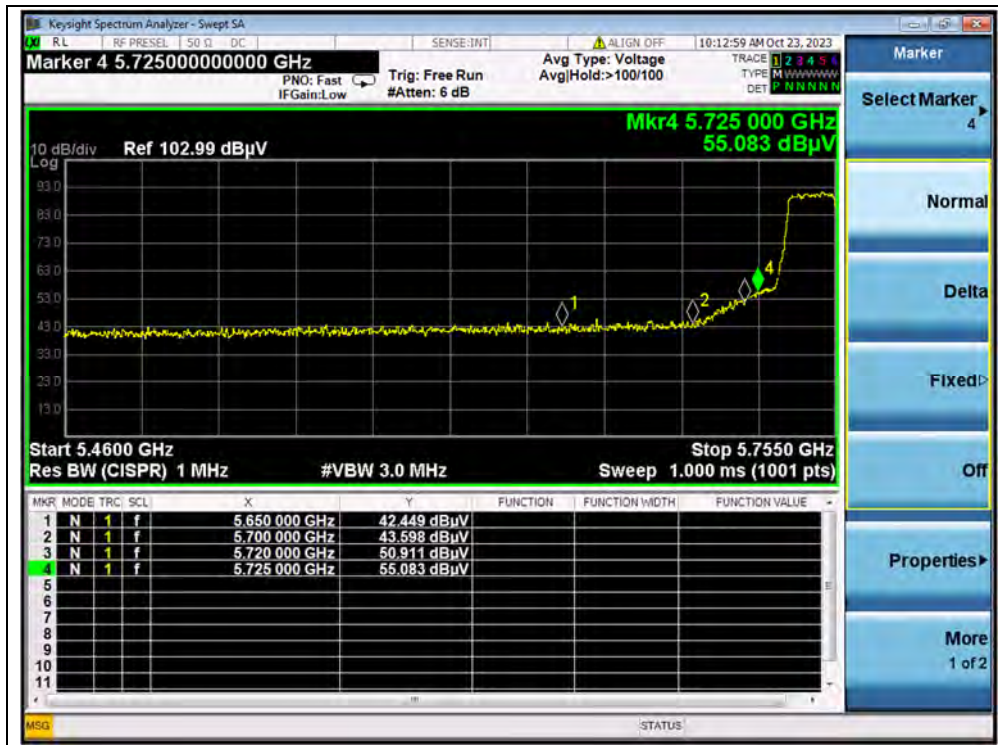
(PEAK, Channel 102, 802.11n (HT40))



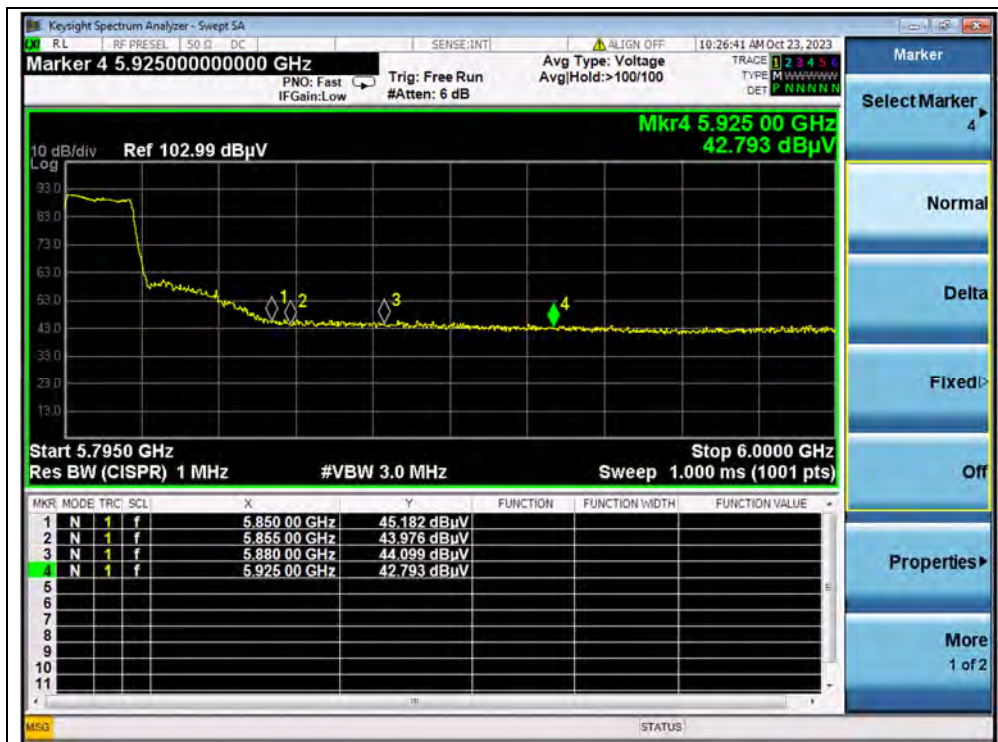
(AVERAGE, Channel 102, 802.11n (HT40))



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



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

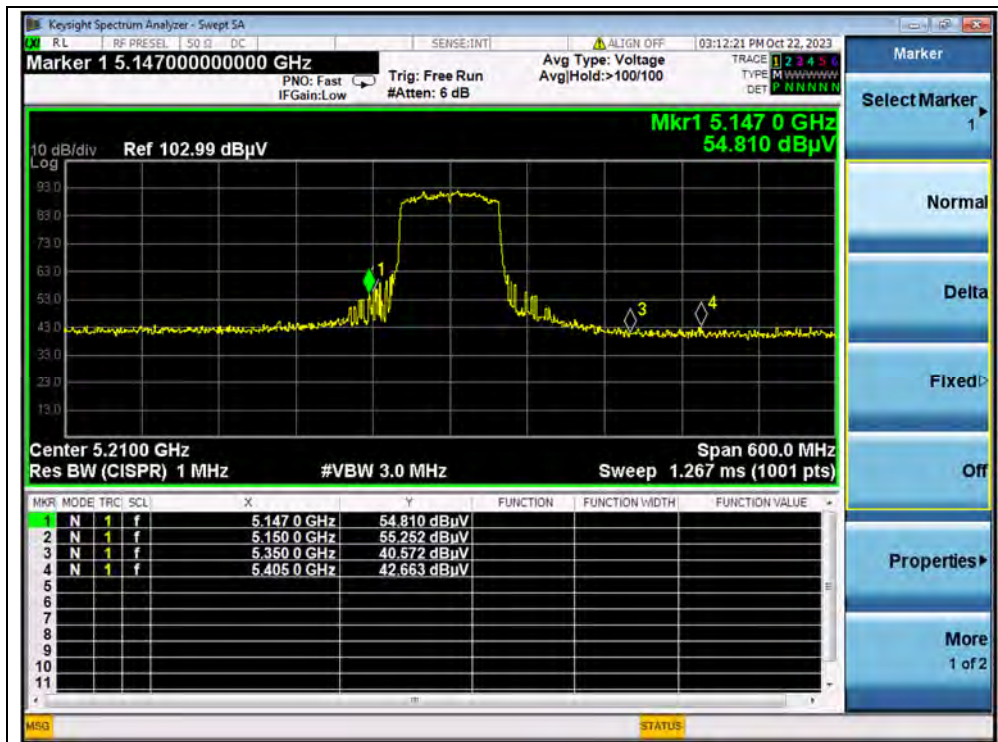


(PEAK, Channel 159, 802.11n (HT40))



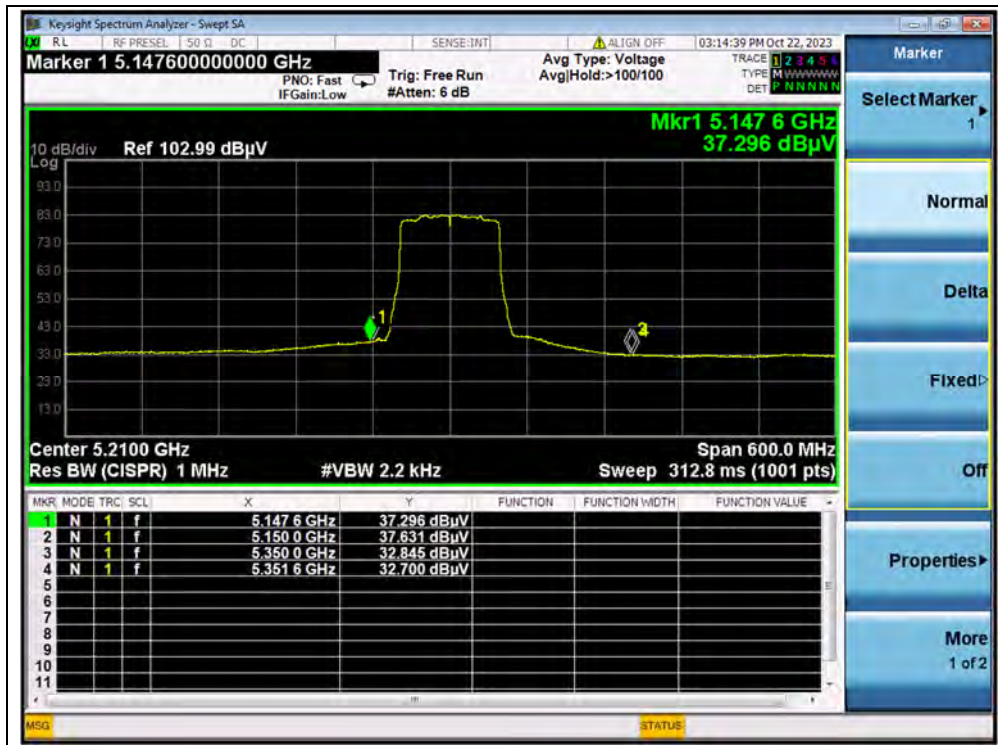
802.11ac (VHT80) Mode

Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{Factor}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
42	5150.00	PK	55.25	-19.54	32.20	67.91	74	PASS
42	5150.00	AV	37.63	-19.54	32.20	50.29	54	PASS
58	5359.00	PK	48.43	-18.80	32.20	61.83	74	PASS
58	5350.00	AV	39.14	-18.80	32.20	52.54	54	PASS
106	5469.05	PK	50.15	-19.20	32.20	63.15	68.23	PASS
106	5458.45	AV	39.86	-19.20	32.20	52.86	54	PASS
138	5726.22	PK	46.26	-19.20	32.20	59.26	68.23	PASS
155	5720.00	PK	69.42	-19.01	32.20	82.61	110.83	PASS
155	5850.00	PK	62.89	-19.01	32.20	76.08	122.23	PASS

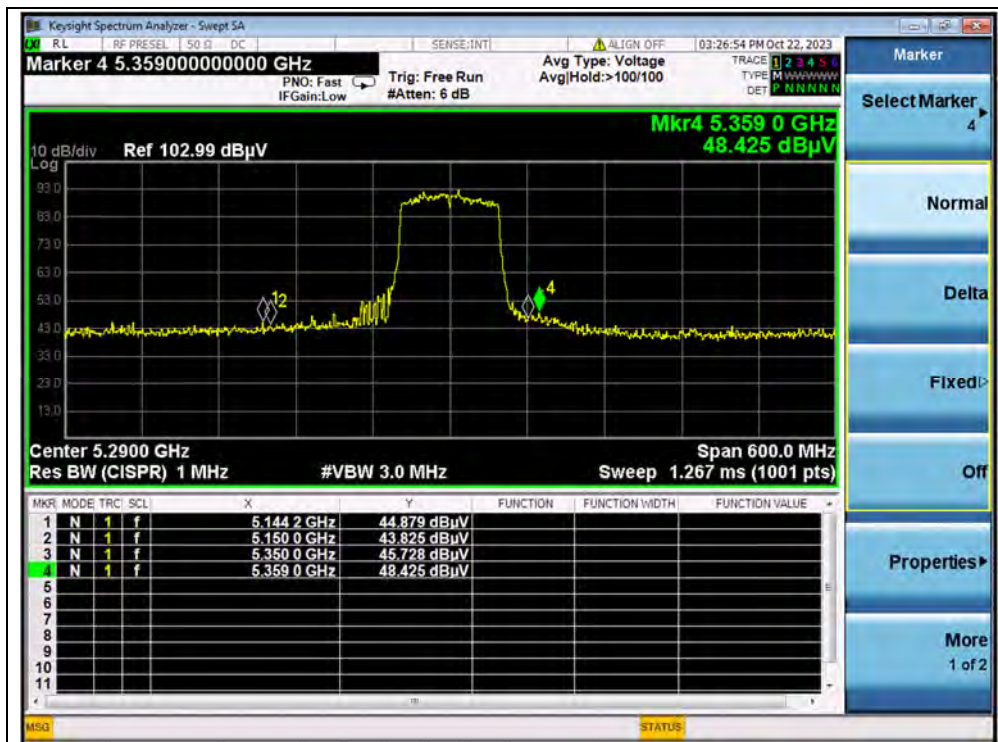


(PEAK, Channel 42, 802.11ac (VHT80))

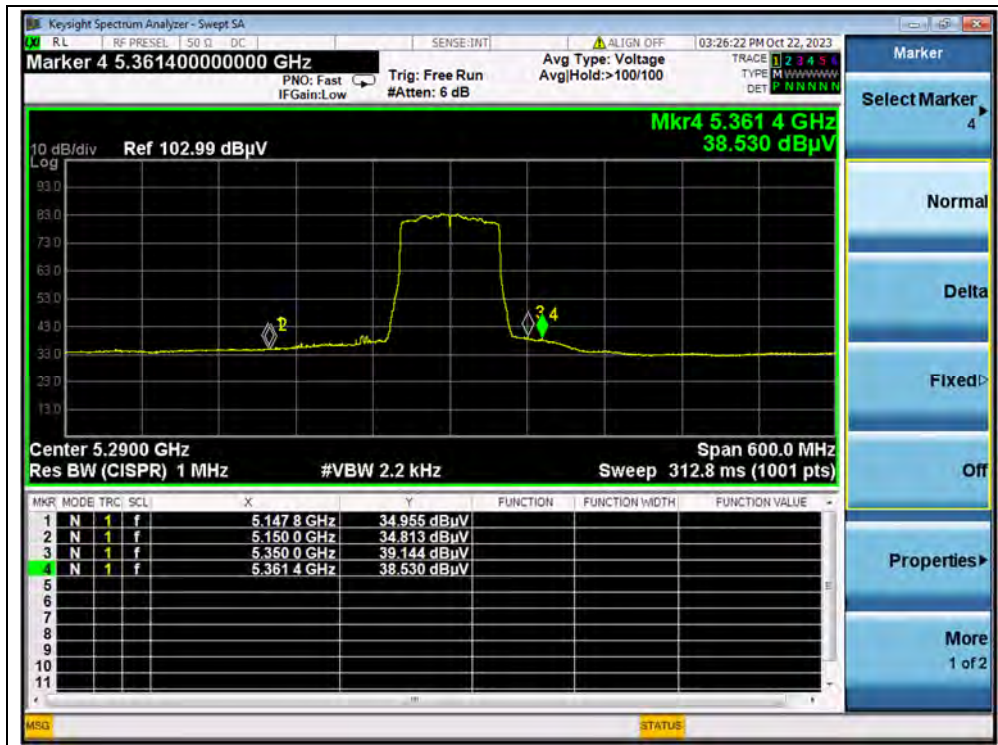




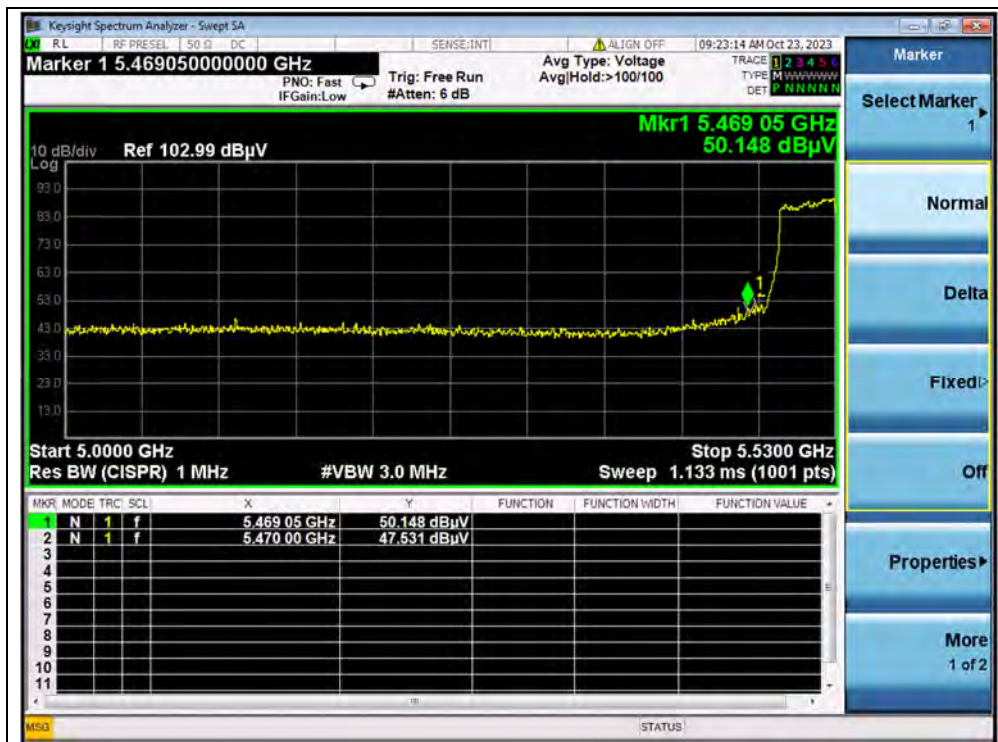
(AVERAGE, Channel 42, 802.11ac (VHT80))



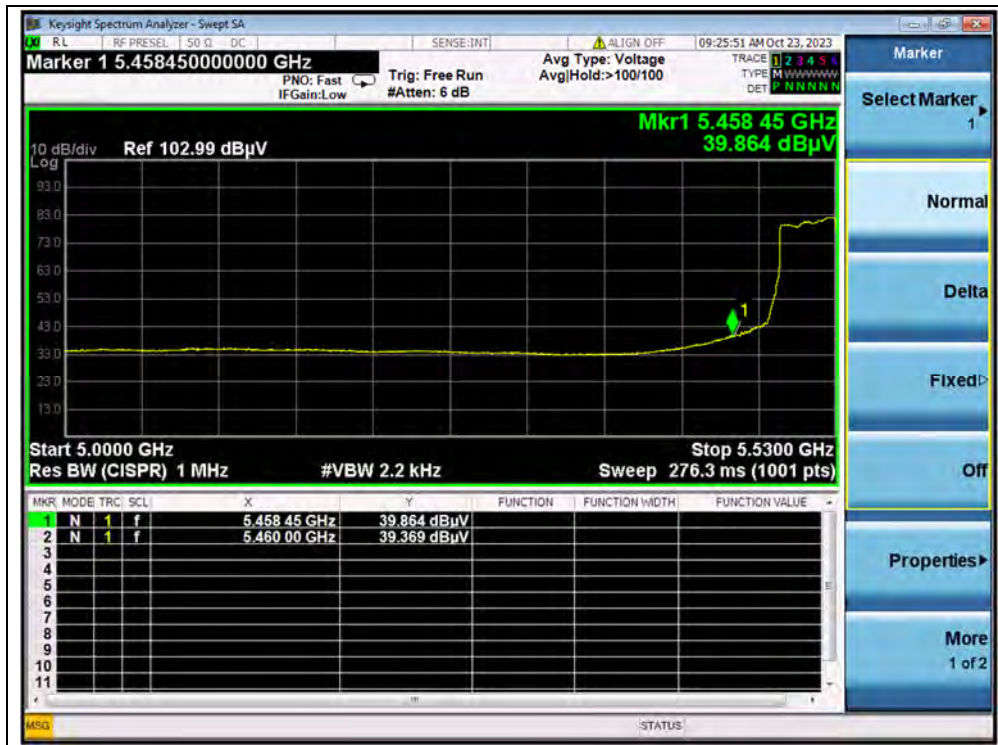
(PEAK, Channel 58, 802.11ac (VHT80))



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



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



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



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



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



### A.9. Radiated Emission

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

The measurement results are obtained as below:

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

$A_T$ : Total correction Factor except Antenna

$U_R$ : Receiver Reading

$G_{\text{preamp}}$ : Preamplifier Gain

$A_{\text{Factor}}$ : Antenna Factor at 3m

During the test, the total correction Factor  $A_T$  and  $A_{\text{Factor}}$  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.

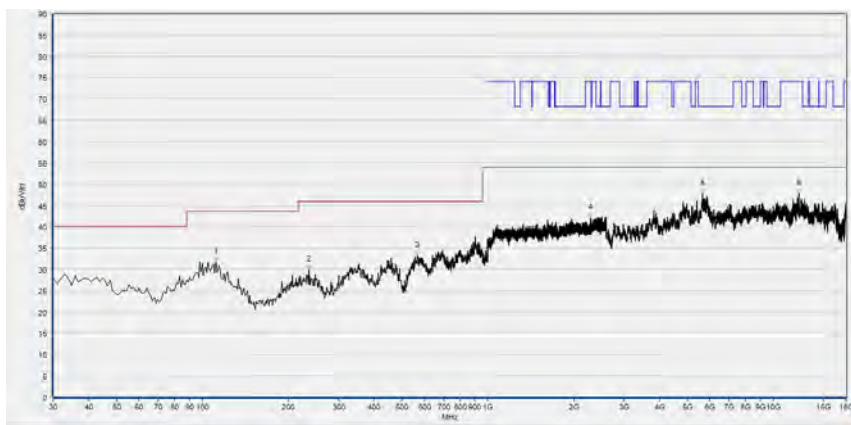
**Note3:** For the frequency, which started from 18GHz to 40GHz harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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



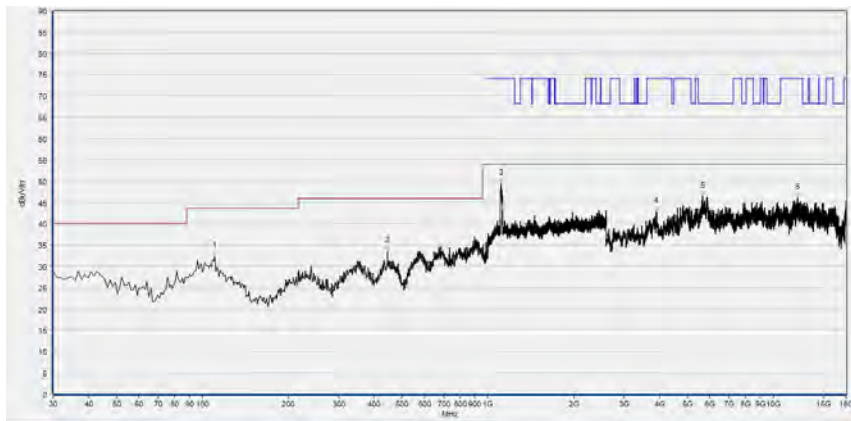
802.11a Mode

Plot for Channel 36



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
111.480	31.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
236.610	29.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
568.350	33.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2293.333	42.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5652.280	47.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12302.000	47.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

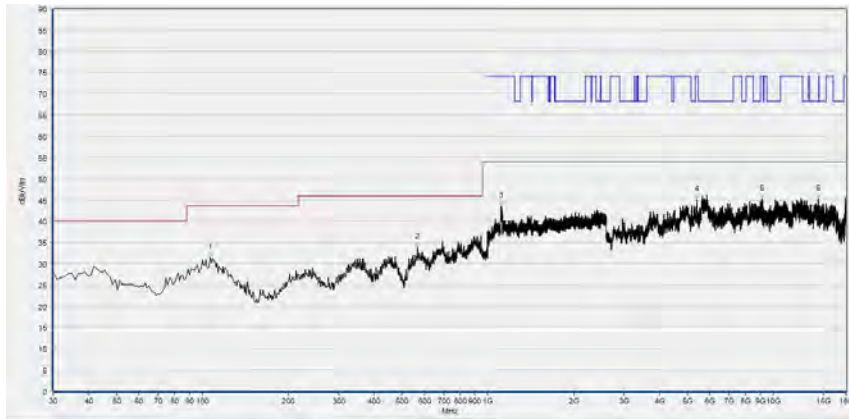
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
110.510	32.39	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
445.160	33.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1113.600	49.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3890.520	42.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5649.200	46.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12169.560	46.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

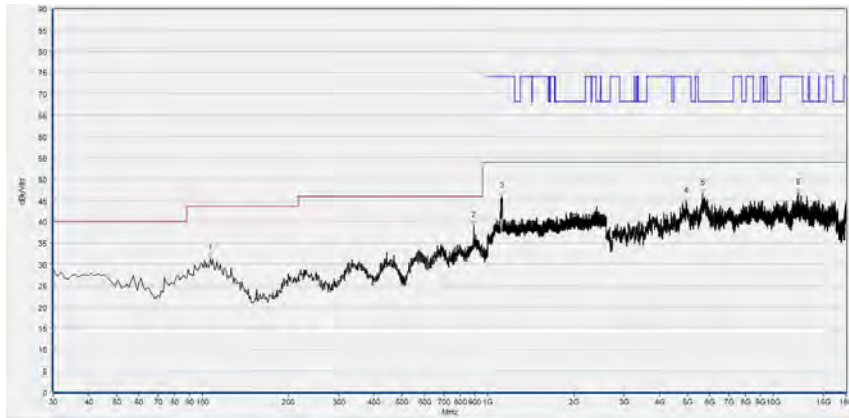
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
106.630	31.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
567.380	33.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1112.533	43.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5405.880	45.15	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9098.800	45.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14402.560	45.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

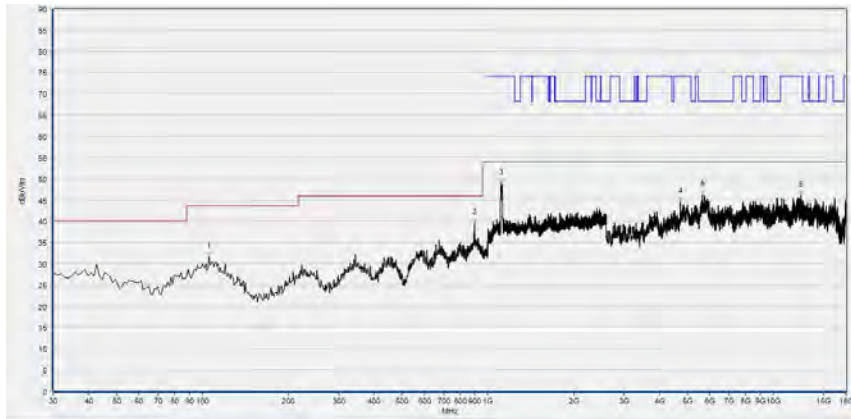
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
106.630	31.27	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
891.360	39.00	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1121.067	45.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4943.880	44.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5639.960	46.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12268.120	46.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

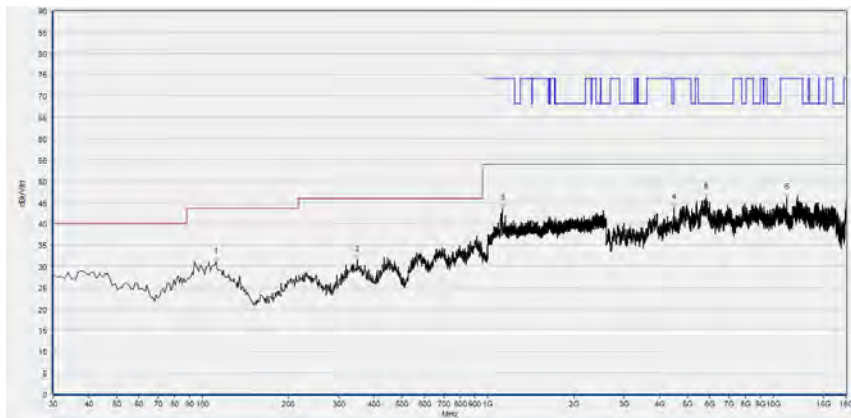
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	31.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
897.180	39.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1112.000	48.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4722.120	44.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5655.360	46.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12483.720	46.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

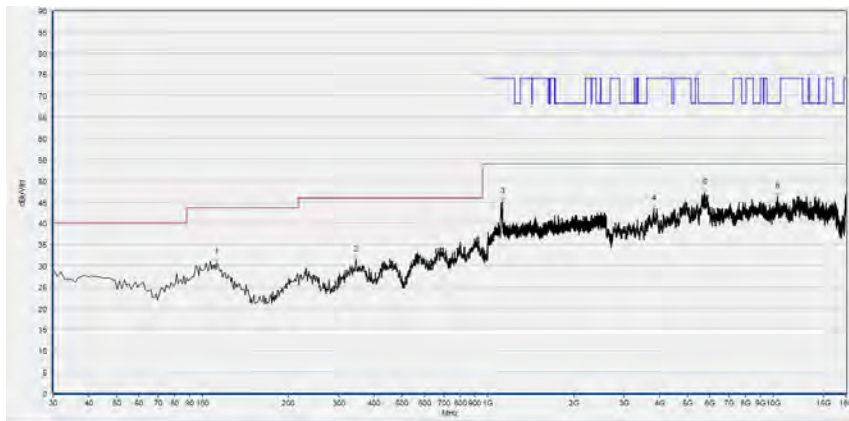


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
111.480	31.07	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
349.130	31.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1123.200	43.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4484.960	43.81	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5812.440	46.24	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11134.680	46.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

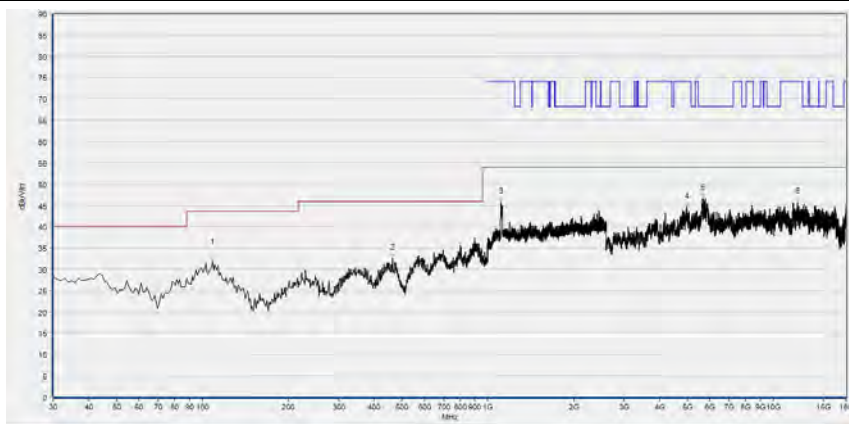


Plot for Channel 52



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
112.450	30.70	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
346.220	31.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1123.200	45.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3819.680	43.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5763.160	47.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10355.440	46.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

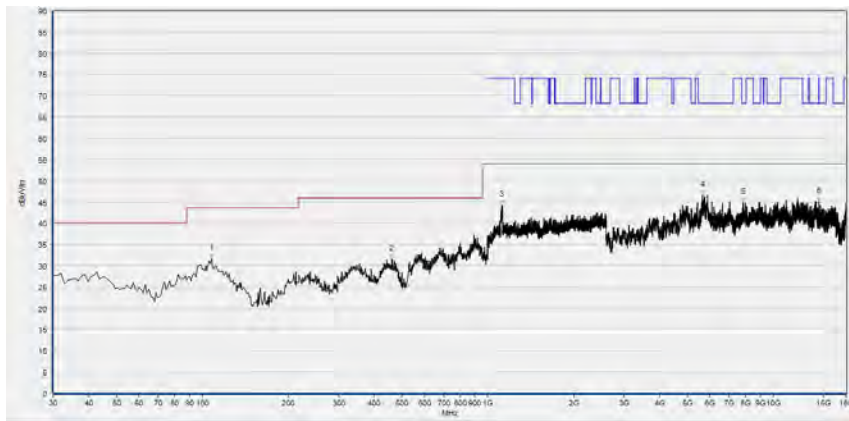
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
108.570	31.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
464.560	32.46	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1113.067	45.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4980.840	44.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5643.040	46.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12151.080	45.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

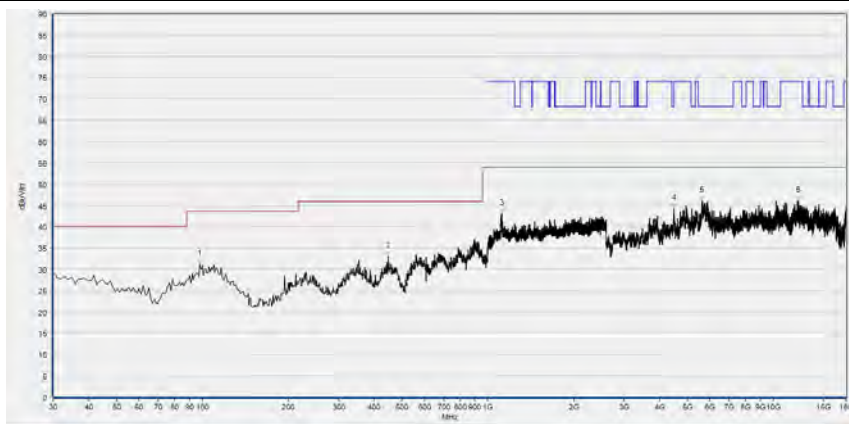
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 60



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	31.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
460.680	31.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1121.067	44.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5636.880	46.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7854.480	44.84	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14436.440	45.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

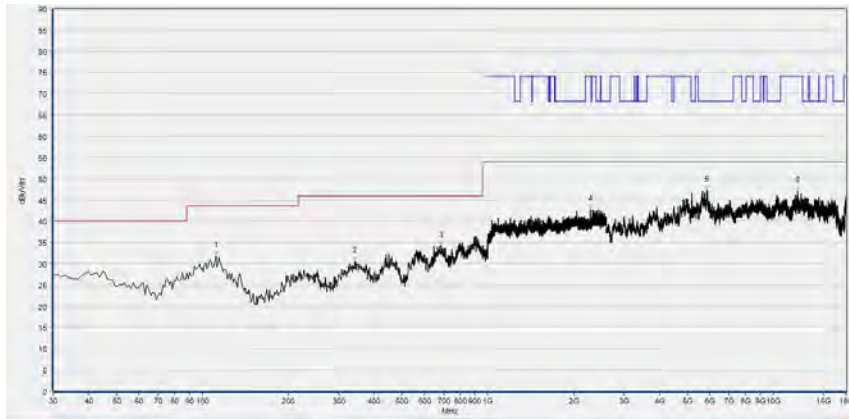
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.900	31.23	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
448.070	33.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1117.333	43.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4494.200	44.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5633.800	46.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12209.600	46.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

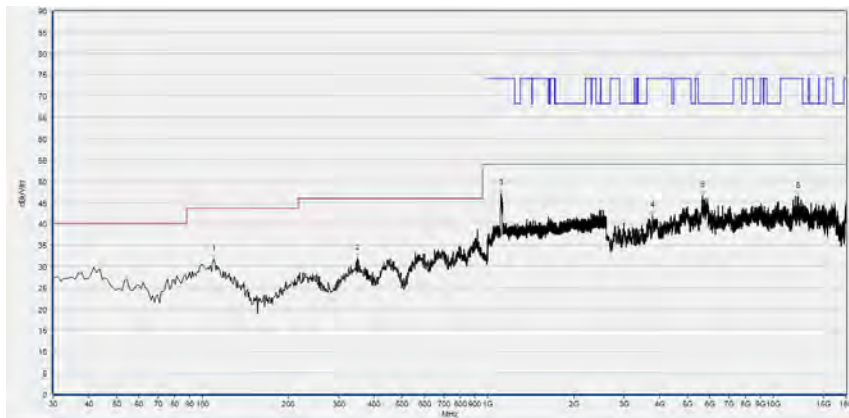
(Antenna Vertical, 30MHz to 18GHz)

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
111.480	31.90	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
342.340	30.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
686.690	34.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2281.600	42.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5864.800	47.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12188.040	47.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

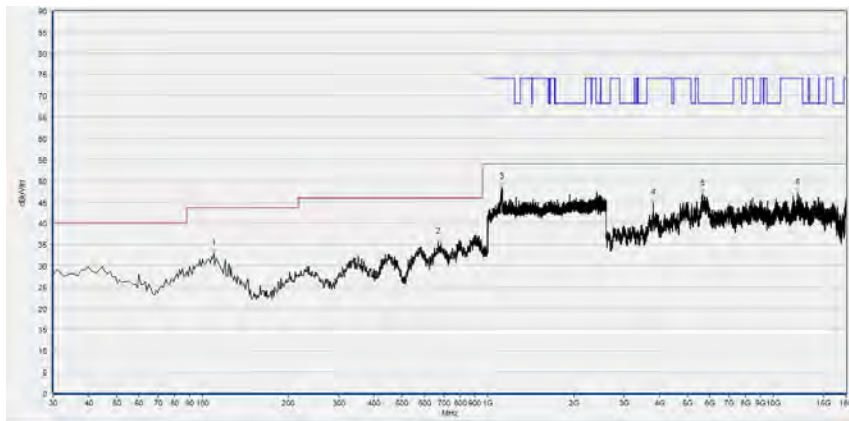
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	31.75	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
349.130	31.88	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1111.467	47.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3782.720	41.98	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5643.040	46.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12209.600	46.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

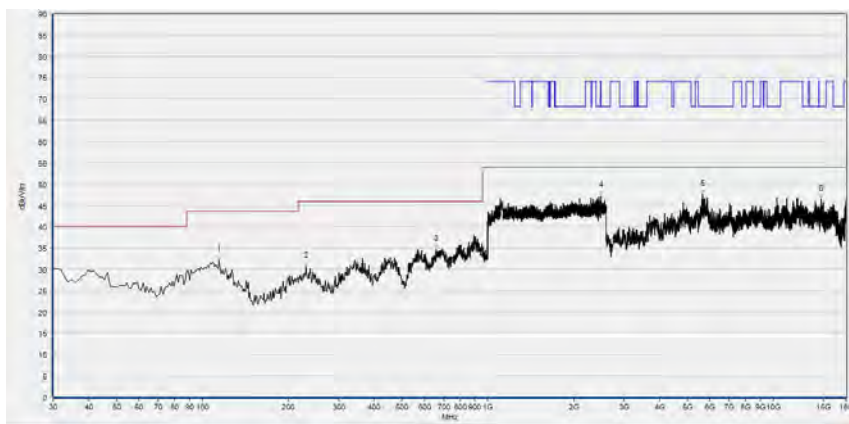
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 100



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.83	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
670.200	35.46	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1116.800	48.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3795.040	44.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5658.440	46.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12181.880	47.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

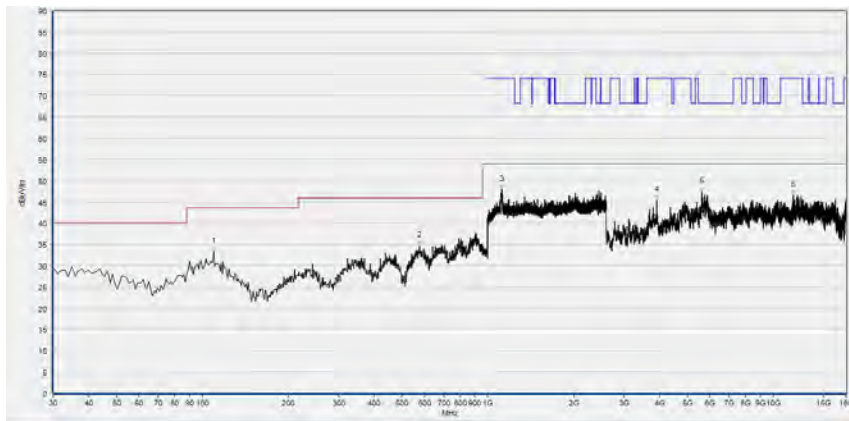
(Antenna Horizontal, 30MHz to 18GHz)



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
114.390	32.13	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
230.790	30.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
660.500	34.63	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2491.733	47.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5643.040	47.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14704.400	46.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

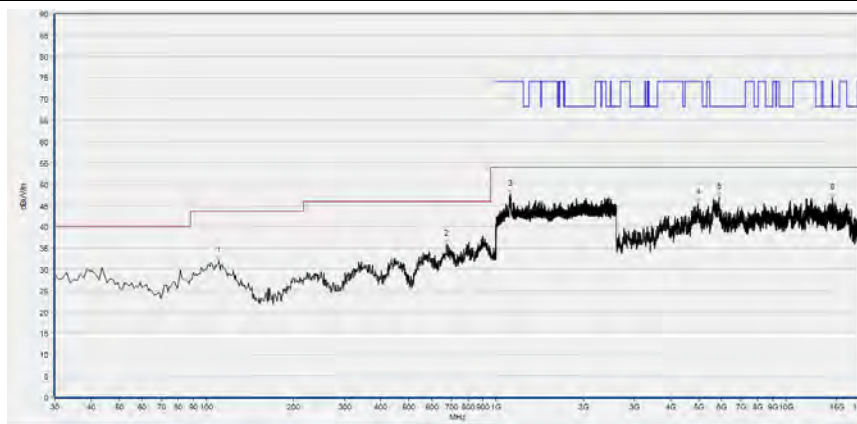
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 120



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	33.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
576.110	34.67	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1116.800	47.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3915.160	45.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5612.240	47.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11747.600	46.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

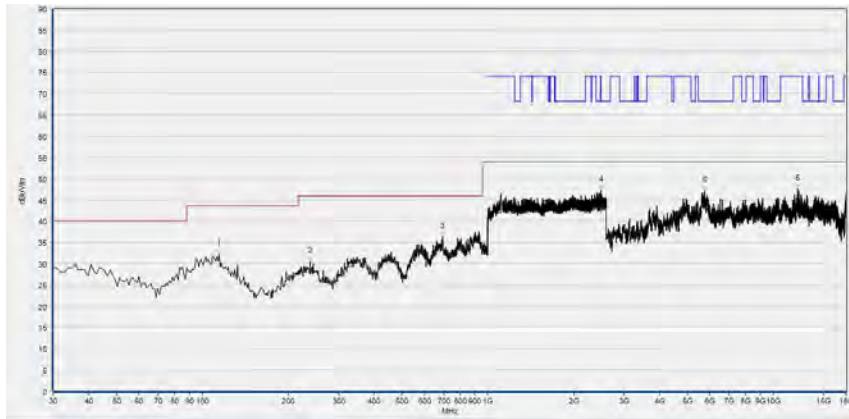
(Antenna Horizontal, 30MHz to 18GHz)



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
110.510	31.99	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
674.080	35.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1118.400	47.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4977.760	45.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5870.960	46.90	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14433.360	46.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

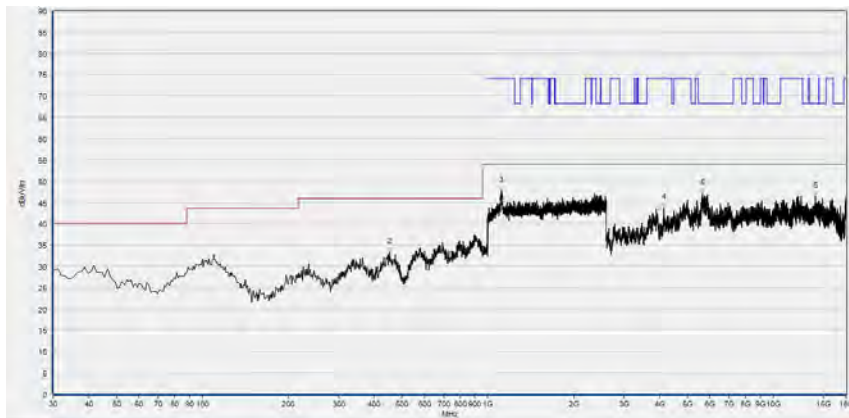
(Antenna Vertical, 30MHz to 18GHz)

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
114.390	32.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
238.550	30.57	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
695.420	36.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2490.133	47.29	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5750.840	47.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12197.280	47.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

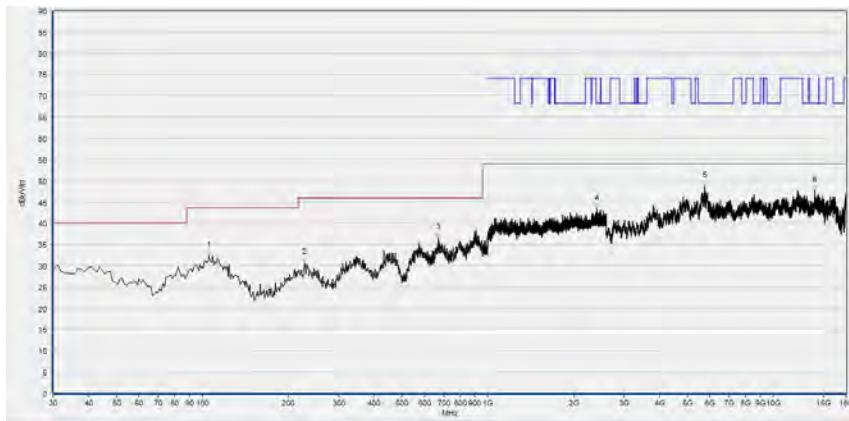
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	31.78	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
453.890	33.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1115.200	47.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4133.840	43.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5649.200	47.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14032.960	46.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

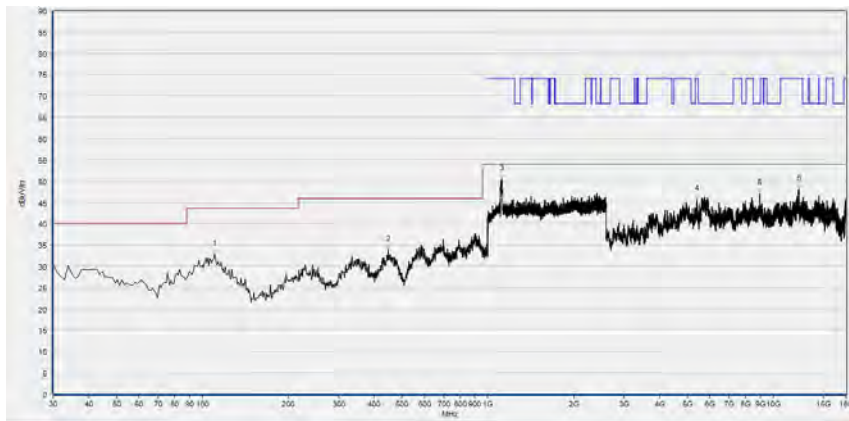
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
105.660	32.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
227.880	30.61	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
671.170	36.57	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2410.667	43.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5753.920	48.71	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13974.440	47.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

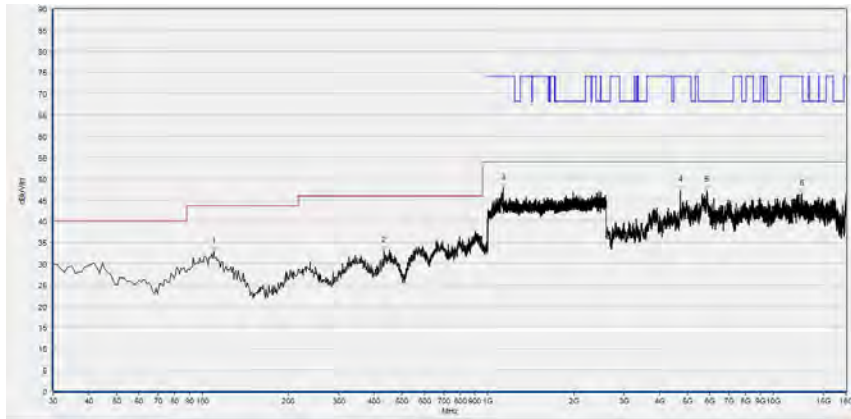
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
110.510	32.82	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
448.070	33.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1118.933	50.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5399.720	45.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8969.440	47.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12289.680	48.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

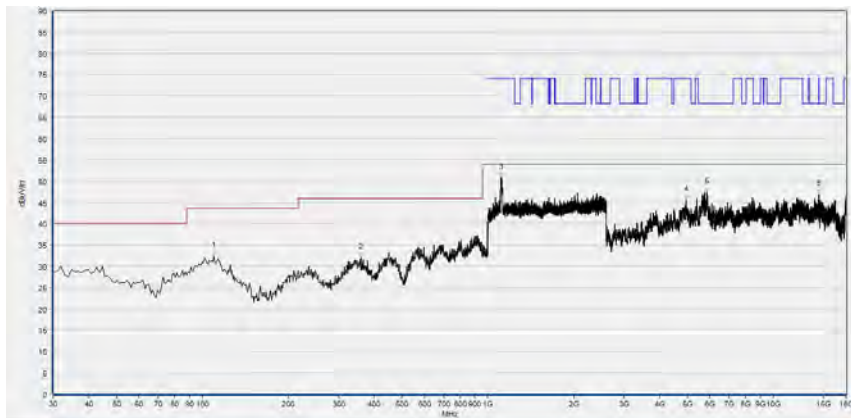
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
433.520	32.94	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1130.667	47.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4728.280	47.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5864.800	47.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12588.440	46.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

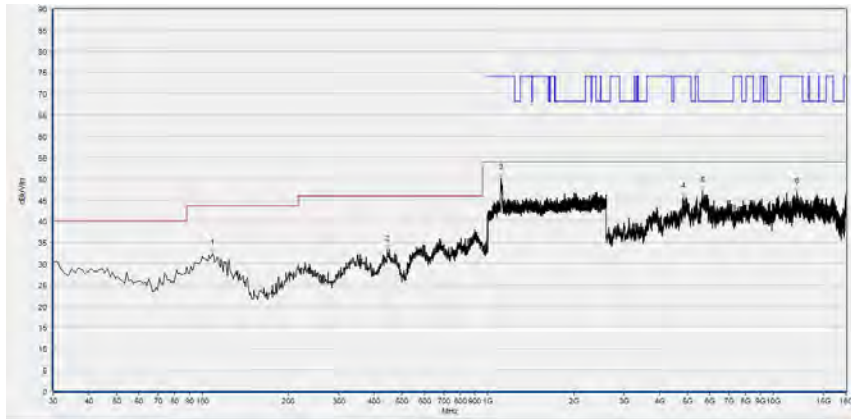


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
109.540	32.36	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
359.800	32.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1113.067	50.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4956.200	45.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5864.800	47.50	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14445.680	46.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

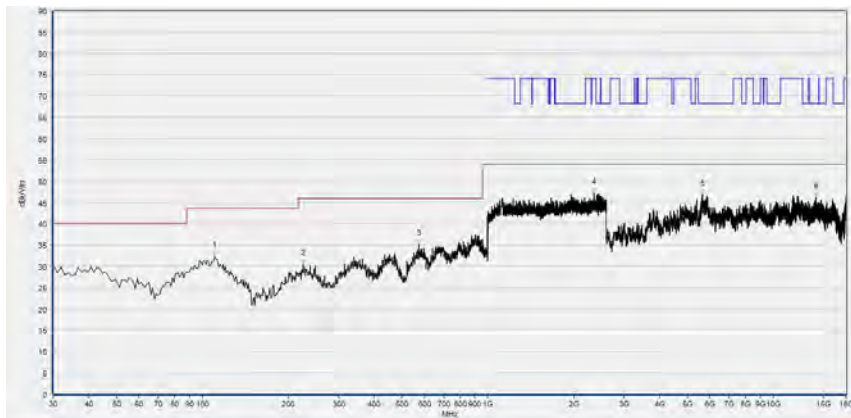


Plot for Channel 165



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	32.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
445.160	33.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1113.067	50.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4823.760	45.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5639.960	47.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12126.440	46.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

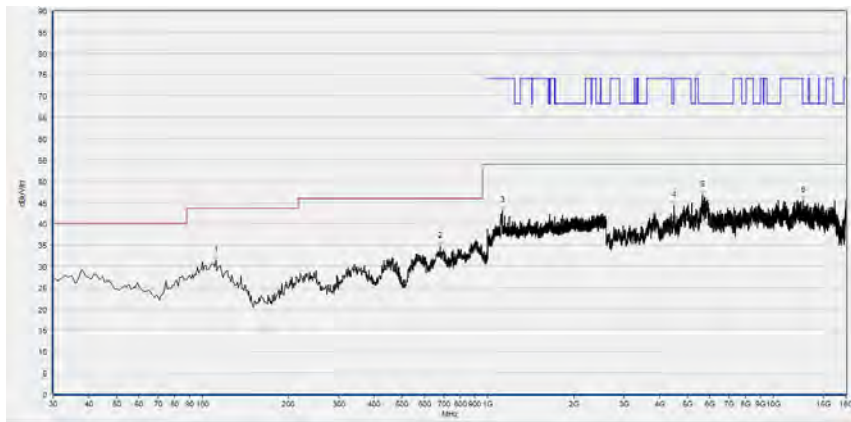


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	32.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
224.970	30.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
574.170	35.15	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2360.533	47.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5649.200	46.90	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14091.480	46.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

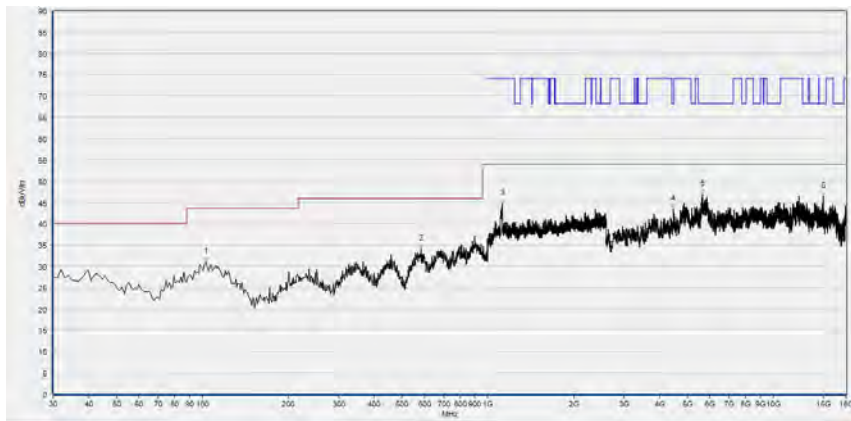
**802.11n (HT40) mode**

**Plot for Channel 38**



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.480	31.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
679.900	34.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1122.667	43.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4500.360	44.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5655.360	46.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12767.080	45.46	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

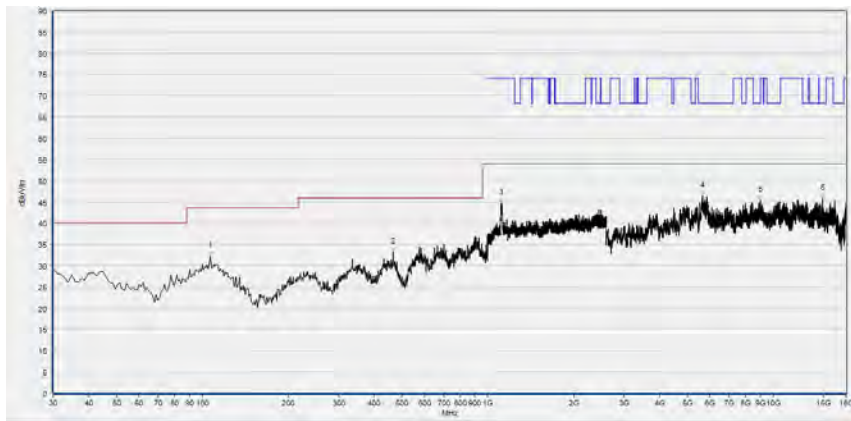
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	30.96	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
583.870	33.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1122.667	44.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4472.640	43.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5652.280	46.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14997.000	46.49	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

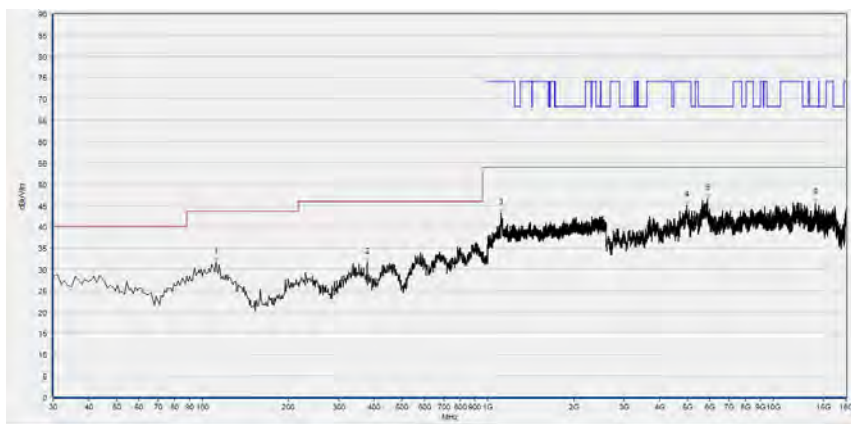
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	32.17	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
465.530	33.18	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1112.000	44.69	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5646.120	46.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8994.080	45.44	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14846.080	45.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

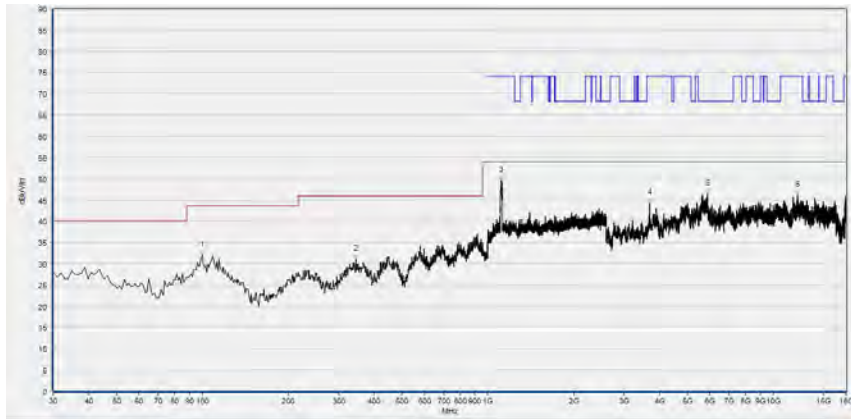
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
111.480	31.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
378.230	31.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1110.400	43.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4974.680	45.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5867.880	46.66	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14076.080	45.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

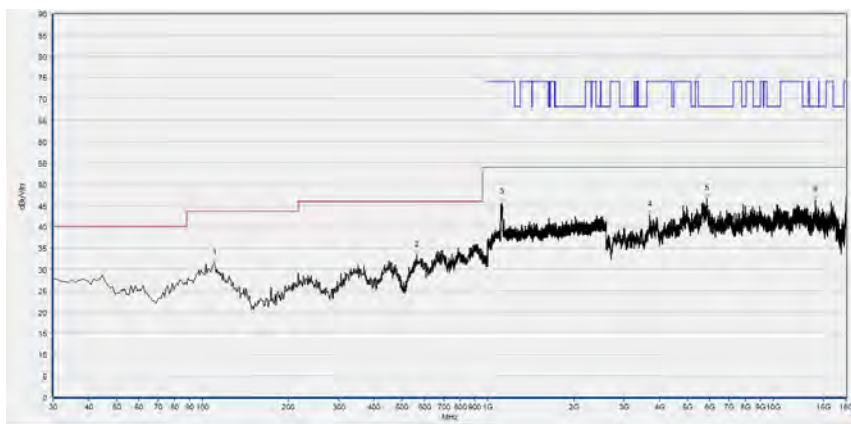
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 54



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
99.840	32.09	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
345.250	31.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1110.933	49.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3693.400	44.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5877.120	46.44	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12160.320	46.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

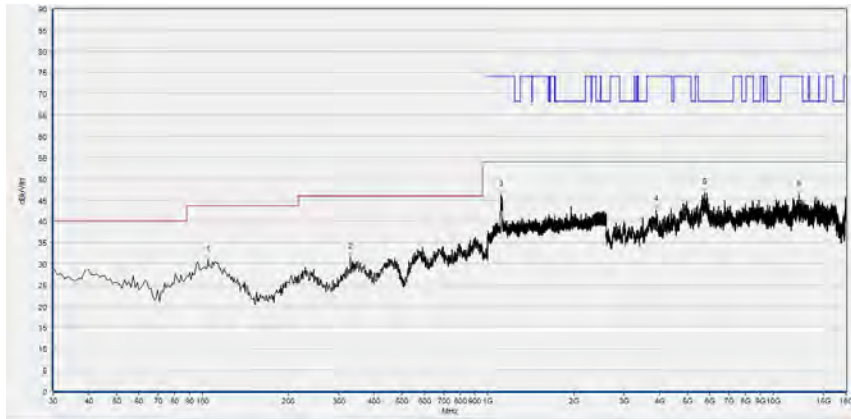
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
110.510	31.34	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
564.470	33.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1121.067	45.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3690.320	42.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5858.640	46.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14054.520	46.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

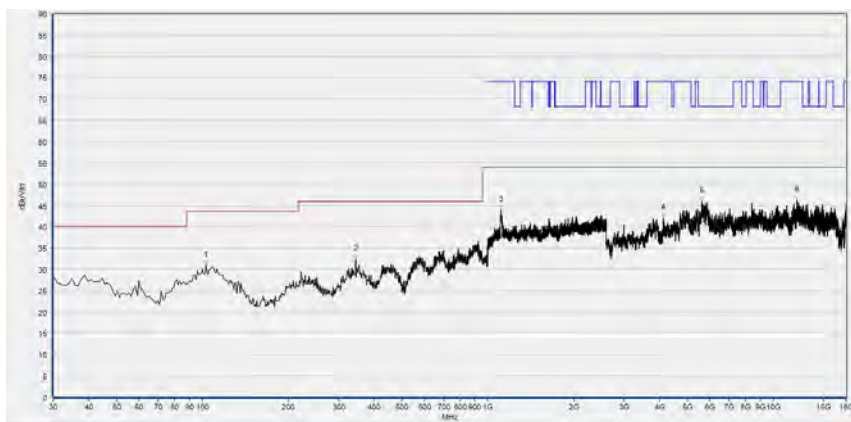
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	30.91	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
330.700	31.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1112.533	46.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3896.680	42.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5747.760	46.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12274.280	46.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

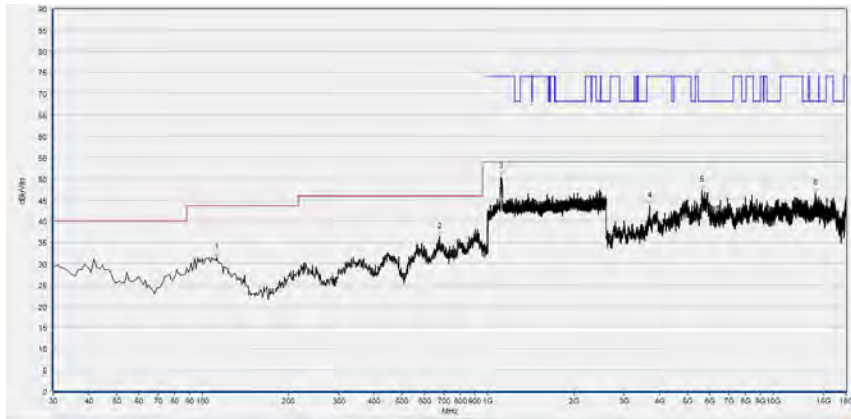
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	30.82	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
345.250	32.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1110.400	43.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4118.440	41.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5621.480	45.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12114.120	46.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

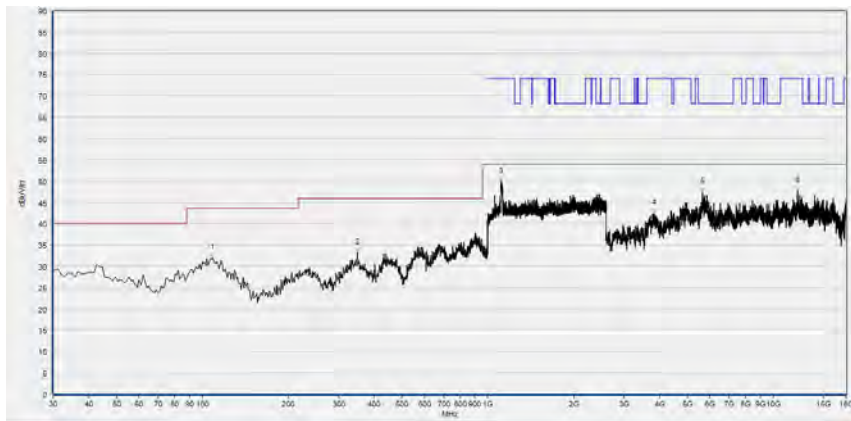
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 102



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
112.450	31.42	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
676.020	36.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1111.467	50.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3693.400	43.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5630.720	47.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14032.960	46.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

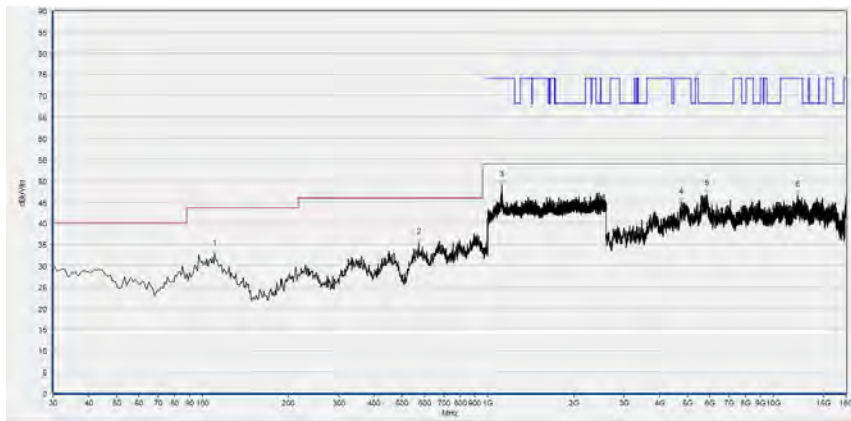
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
108.570	32.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
349.130	33.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1110.400	49.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3813.520	42.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5661.520	47.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12148.000	47.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

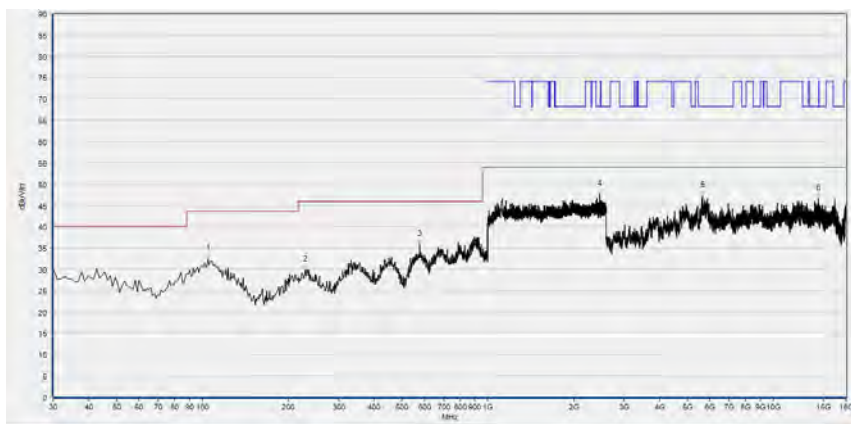
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	32.72	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
573.200	35.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1120.000	48.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4752.920	44.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5861.720	46.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12197.280	46.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

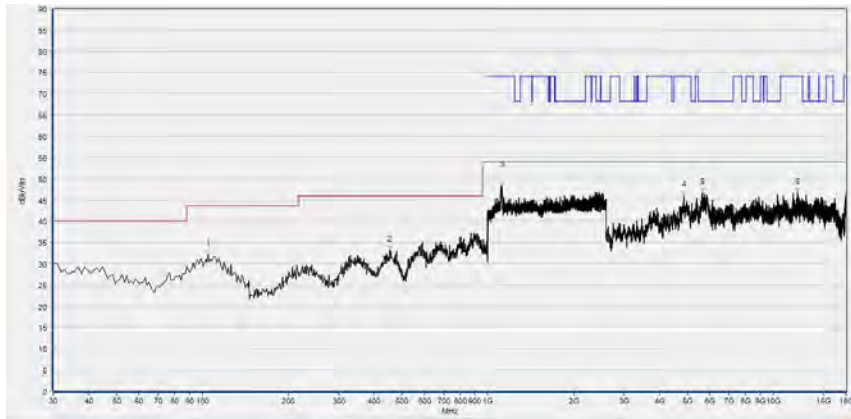
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	32.35	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.850	29.75	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
578.050	35.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2459.200	47.64	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5636.880	47.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14344.040	46.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

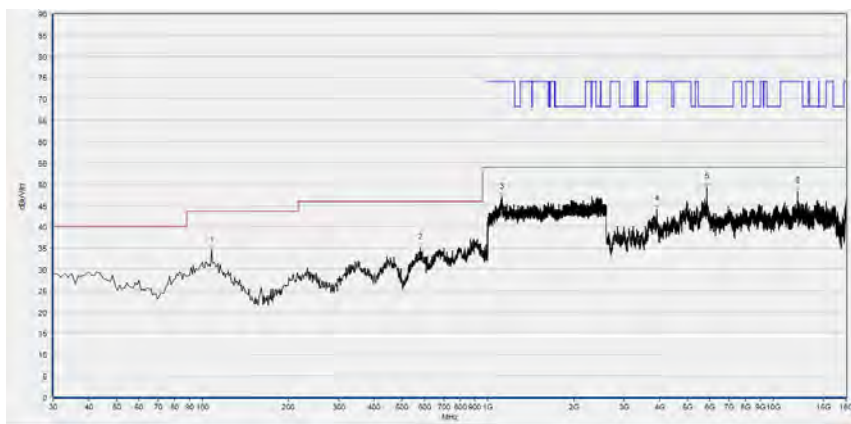
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	32.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
453.890	33.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1118.933	48.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4854.560	46.17	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5649.200	46.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12151.080	46.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

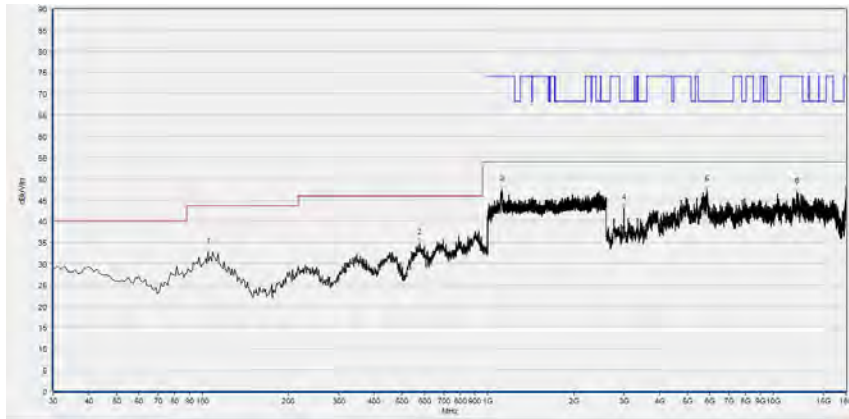


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
107.600	34.36	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
579.020	35.07	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1120.000	46.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3905.920	44.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5852.480	49.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12163.400	48.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

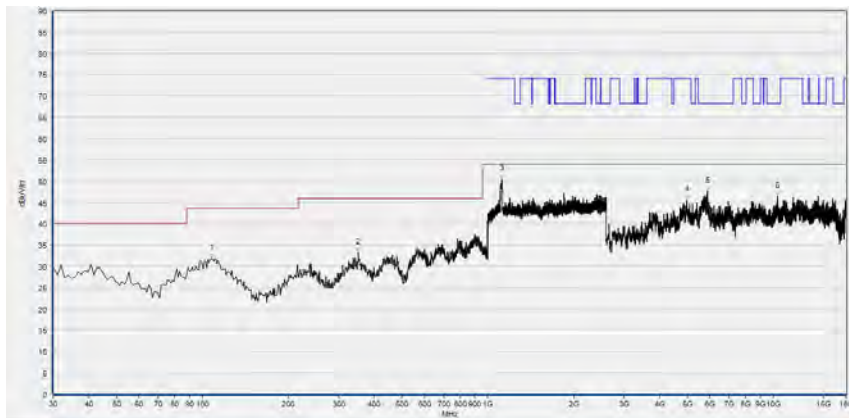


Plot for Channel 151



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
104.690	32.71	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
578.050	34.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1116.267	47.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2994.240	43.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5861.720	47.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12074.080	46.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

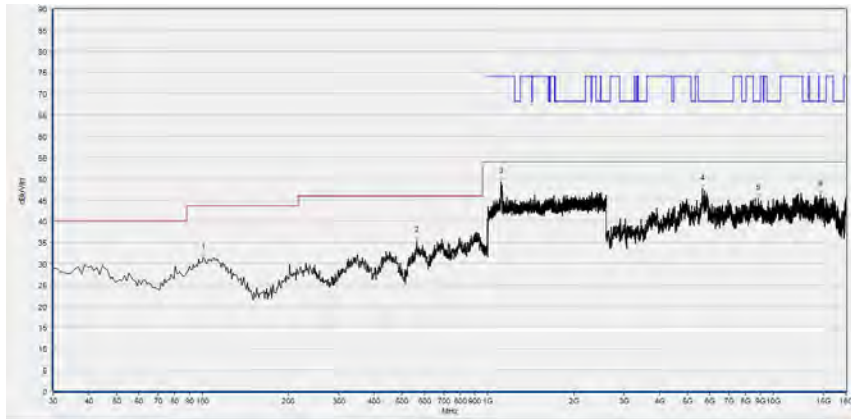
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	31.82	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
352.040	33.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1117.867	50.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4965.440	45.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5877.120	47.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10340.040	46.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

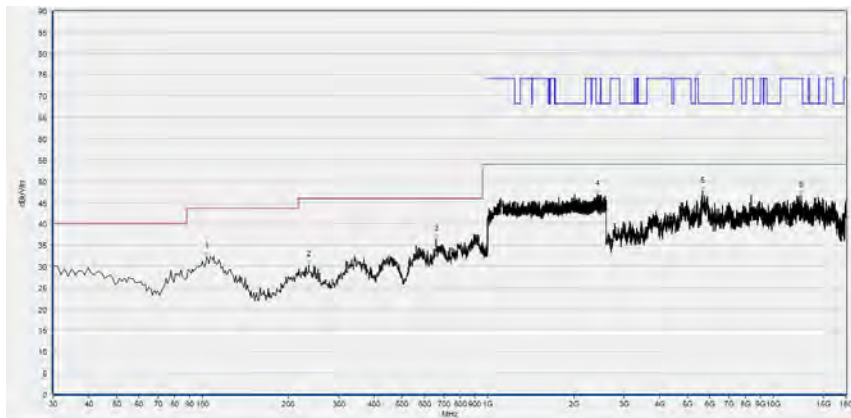
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 159



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	31.37	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
564.470	35.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1114.133	49.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5658.440	47.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8855.480	45.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14599.680	46.23	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



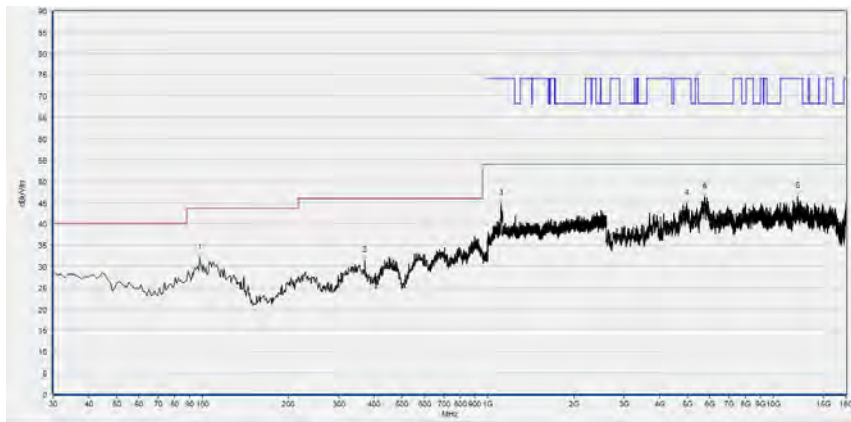
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.720	32.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
235.640	30.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
659.530	36.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2417.067	46.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5643.040	47.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12505.280	46.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



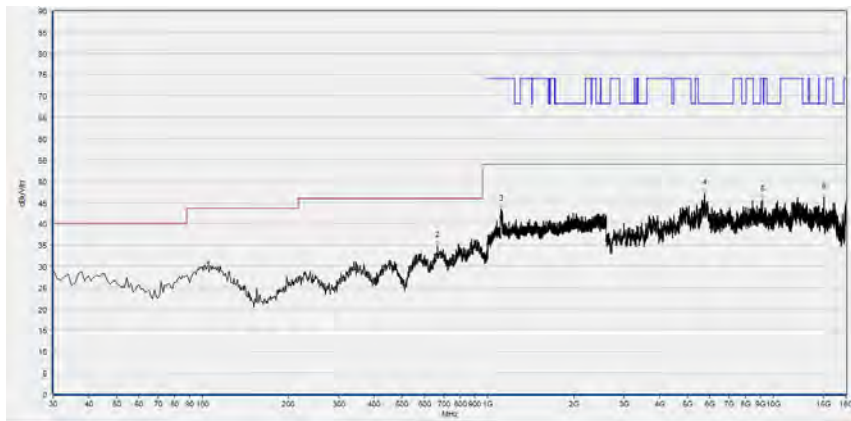
**802.11ac (VHT80) Mode**

Plot 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
97.900	31.96	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
370.470	31.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1113.600	44.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4971.600	44.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5747.760	46.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12163.400	46.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

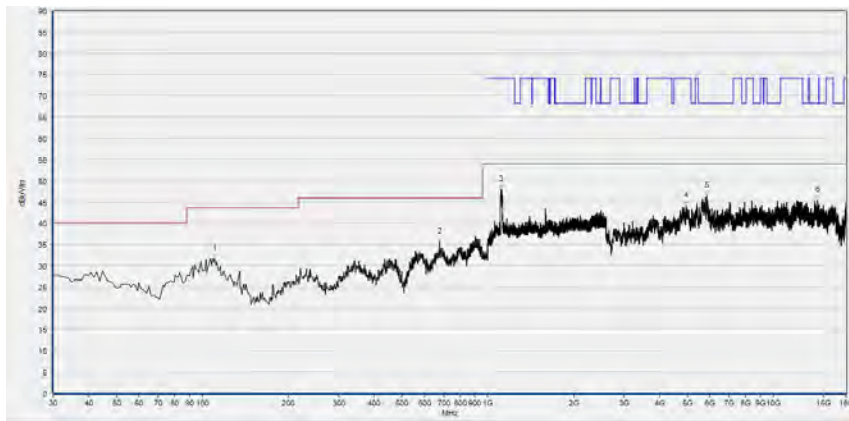
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	30.36	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
666.320	34.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1112.000	43.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5760.080	47.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9194.280	45.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15018.560	46.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

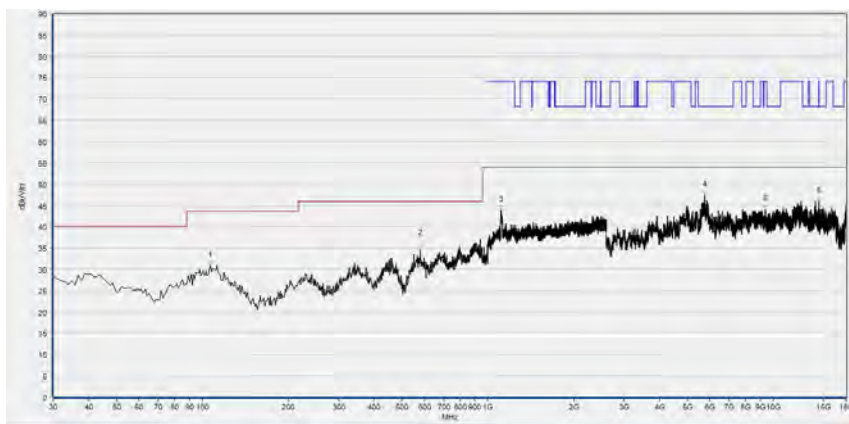
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	31.75	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
676.020	35.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1114.667	47.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	44.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5858.640	46.38	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14270.120	45.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

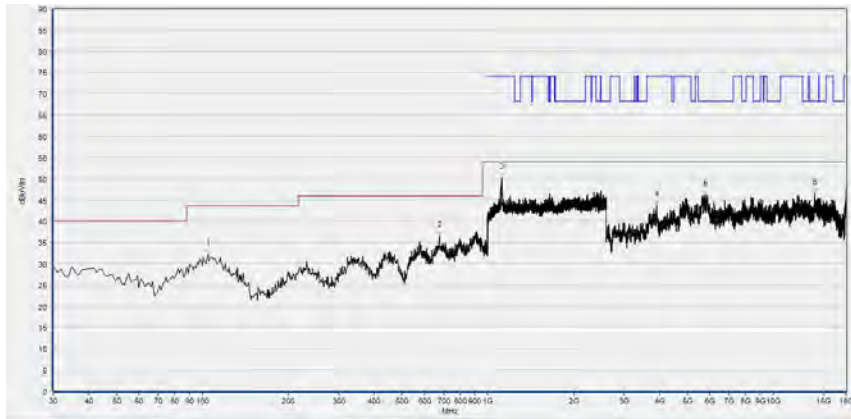
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	30.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
579.990	34.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1112.533	43.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5747.760	47.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9372.920	44.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14451.840	45.92	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

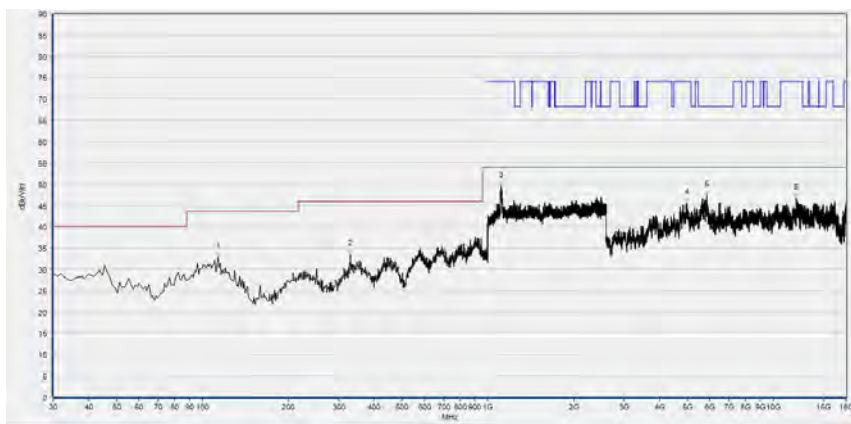
(Antenna Vertical, 30MHz to 18GHz)

Plot 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
104.690	32.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
676.020	36.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1118.400	50.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3899.760	43.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5781.640	46.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13980.600	46.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

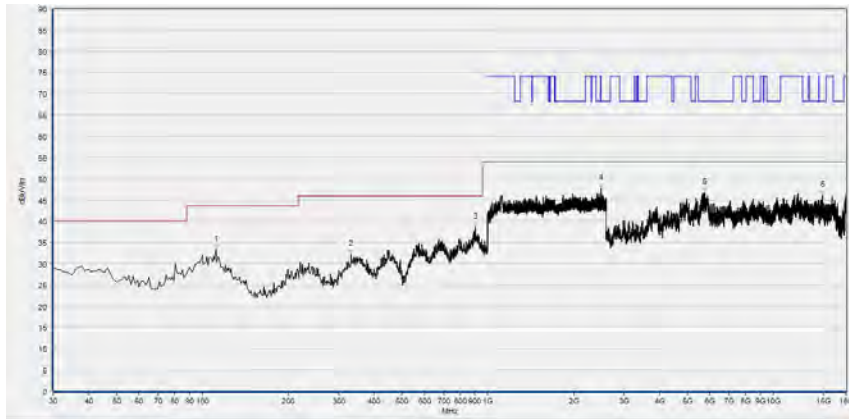
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
113.420	32.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
330.700	33.57	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1113.600	49.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4977.760	45.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5858.640	47.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12058.680	46.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

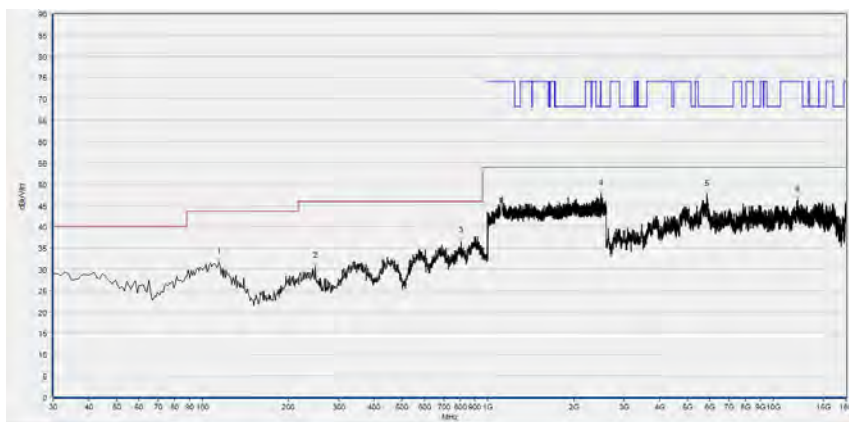
(Antenna Vertical, 30MHz to 18GHz)

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
111.480	33.36	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
332.640	32.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
904.940	38.57	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2491.733	47.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5753.920	46.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14861.480	46.17	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

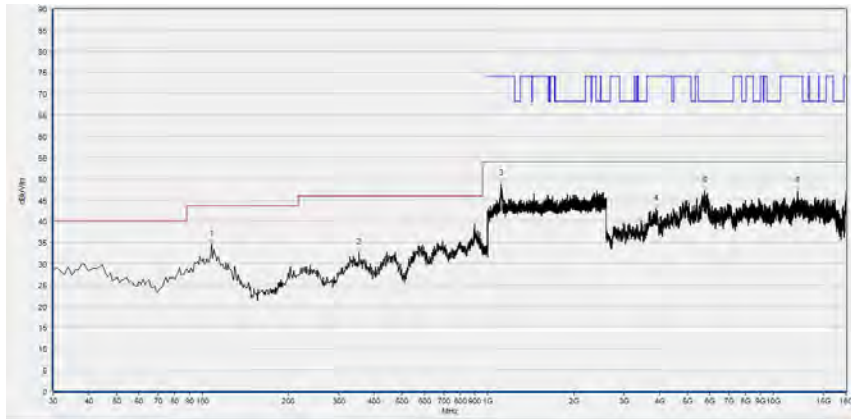
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
114.390	31.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
249.220	30.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
807.940	36.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2493.867	47.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5861.720	47.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12138.760	46.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

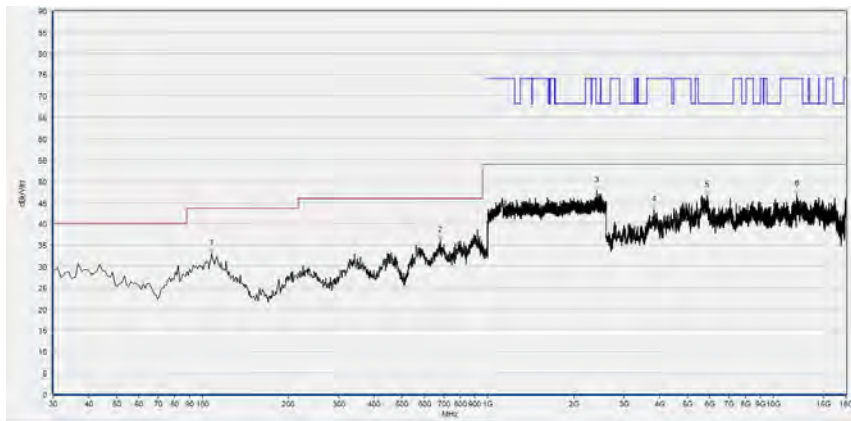
(Antenna Vertical, 30MHz to 18GHz)

Plot 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
107.600	34.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
353.980	32.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1115.200	48.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3887.440	42.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5763.160	47.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12160.320	47.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

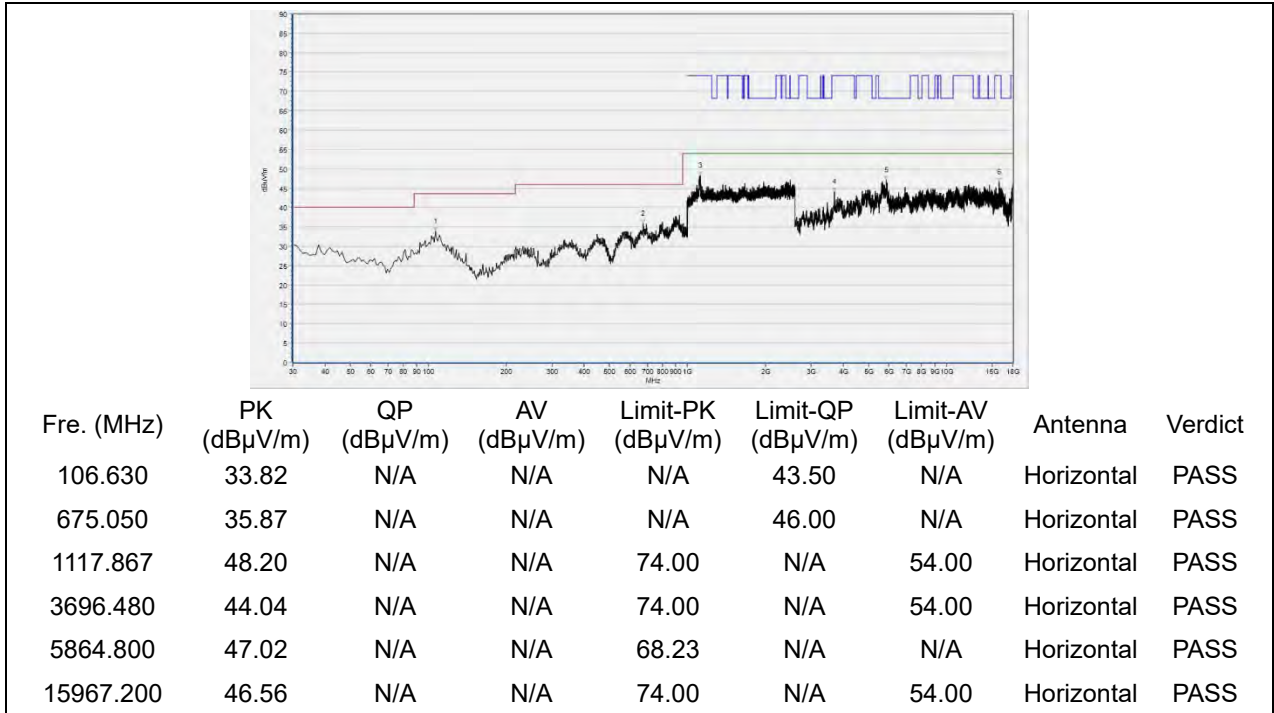
(Antenna Horizontal, 30MHz to 18GHz)



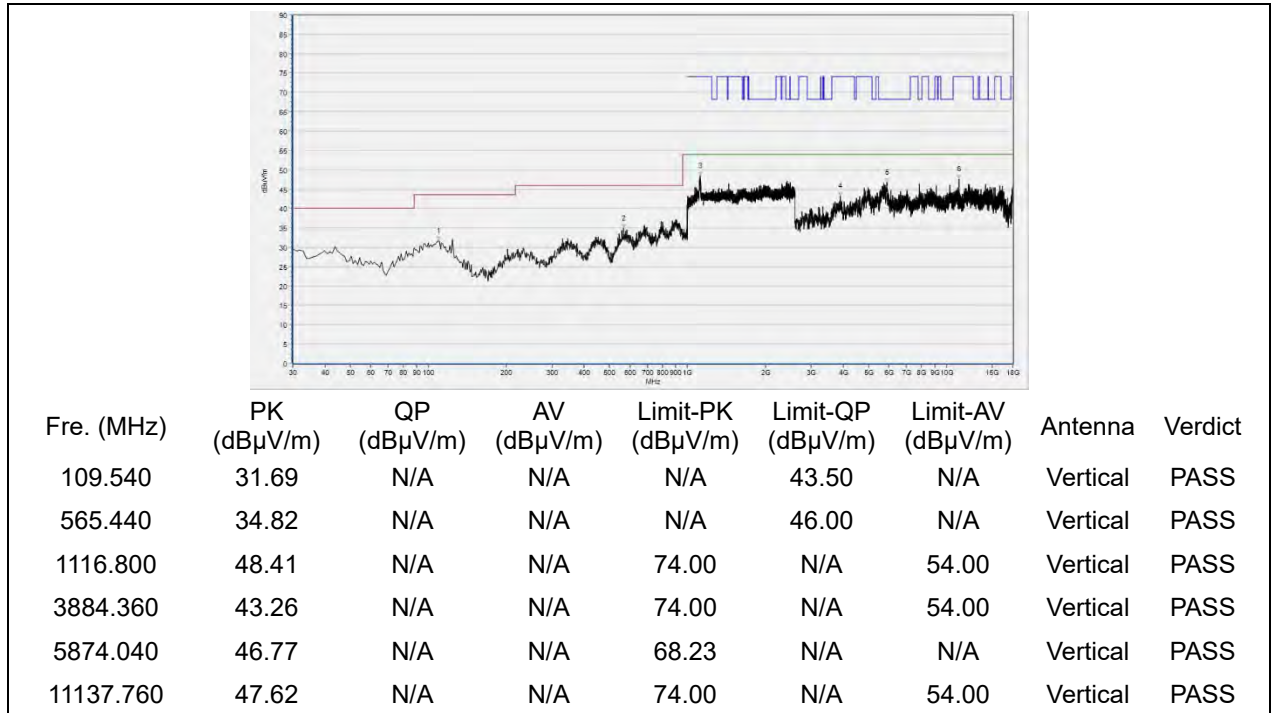
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	33.06	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
682.810	36.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2412.800	47.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3825.840	43.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5864.800	46.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12107.960	46.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 155



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT