



PSD NVNT a 5300MHz Ant1

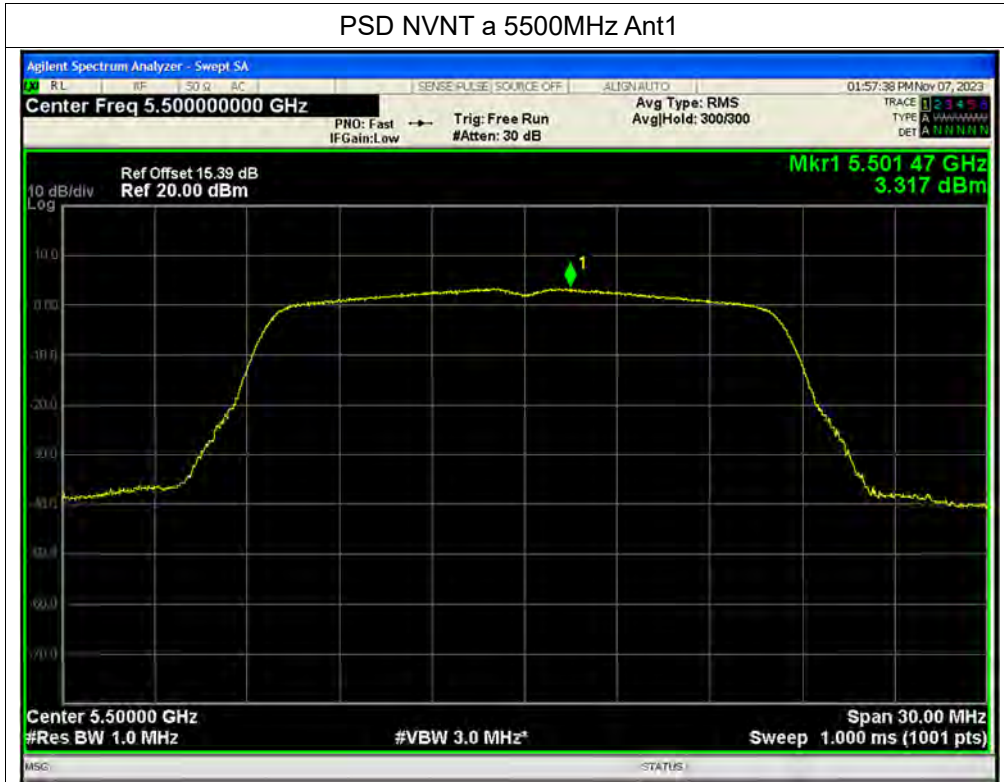


PSD NVNT a 5320MHz Ant1





PSD NVNT a 5500MHz Ant1



PSD NVNT a 5580MHz Ant1



PSD NVNT a 5600MHz Ant1



PSD NVNT a 5720MHz Ant1





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

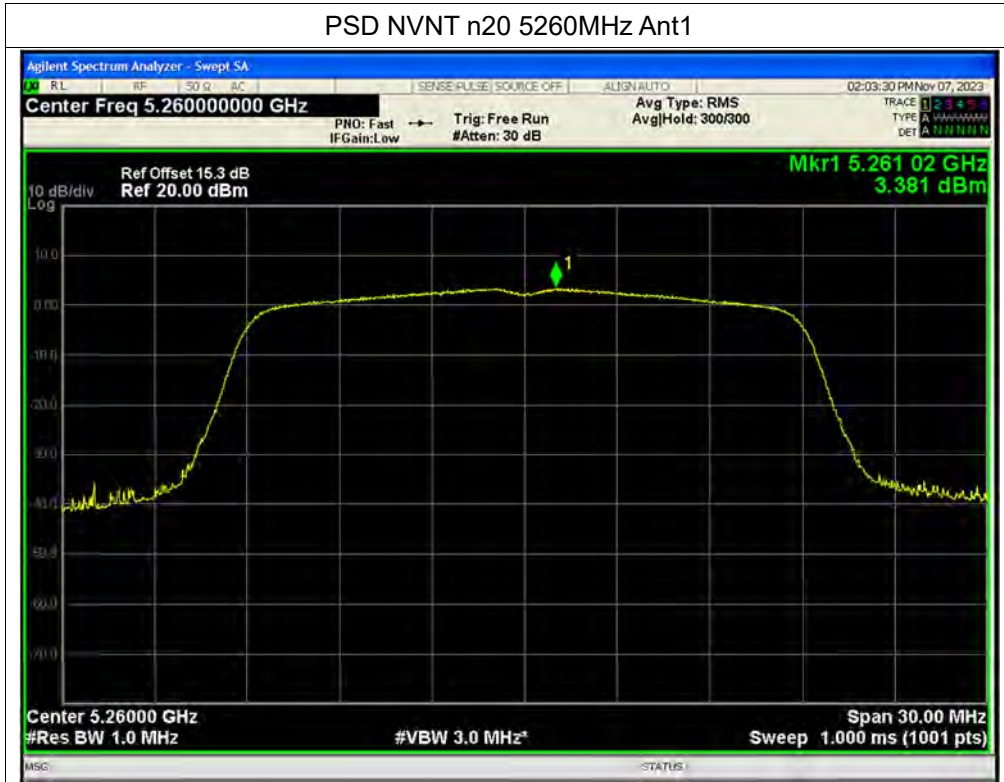


PSD NVNT n20 5240MHz Ant1





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

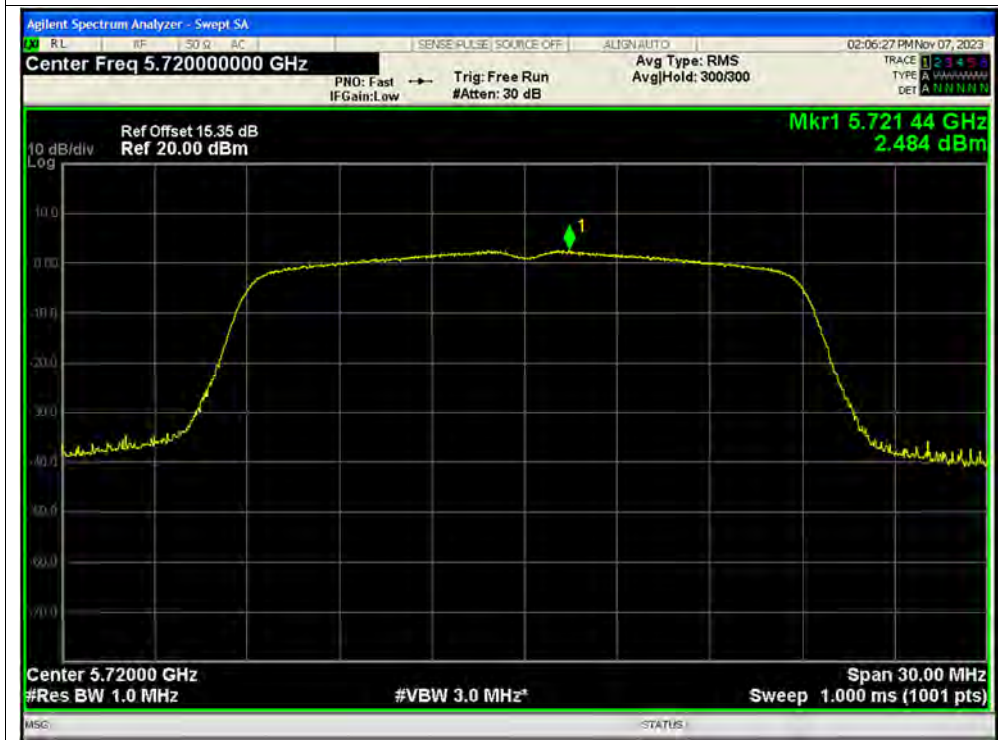


PSD NVNT n20 5600MHz Ant1





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

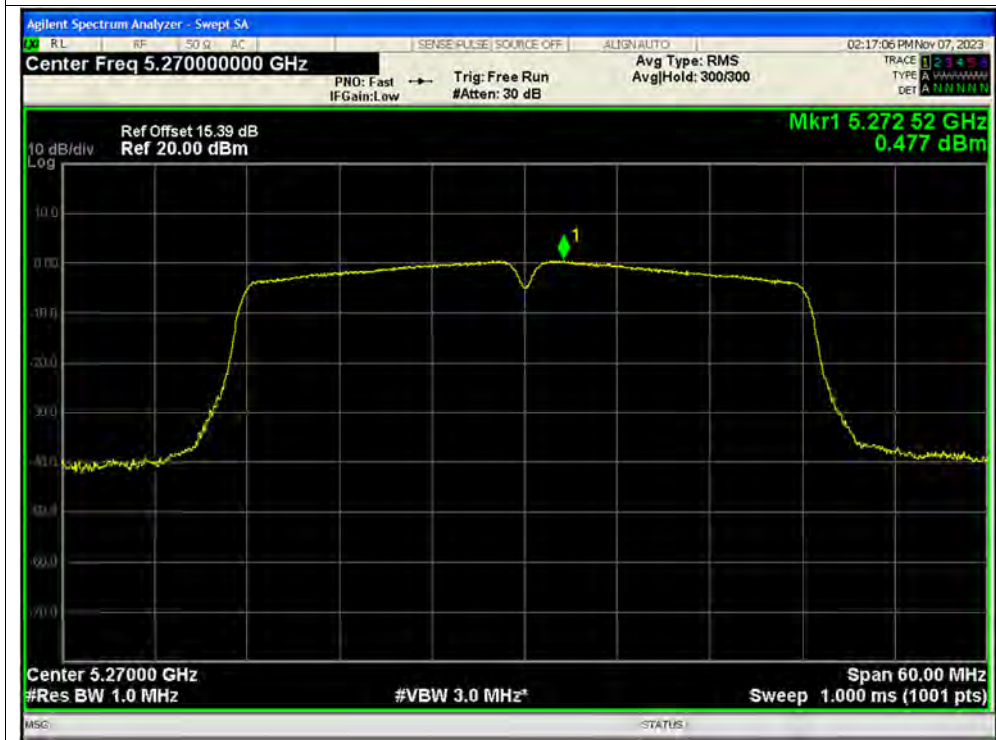


PSD NVNT n40 5230MHz Ant1





PSD NVNT n40 5270MHz Ant1

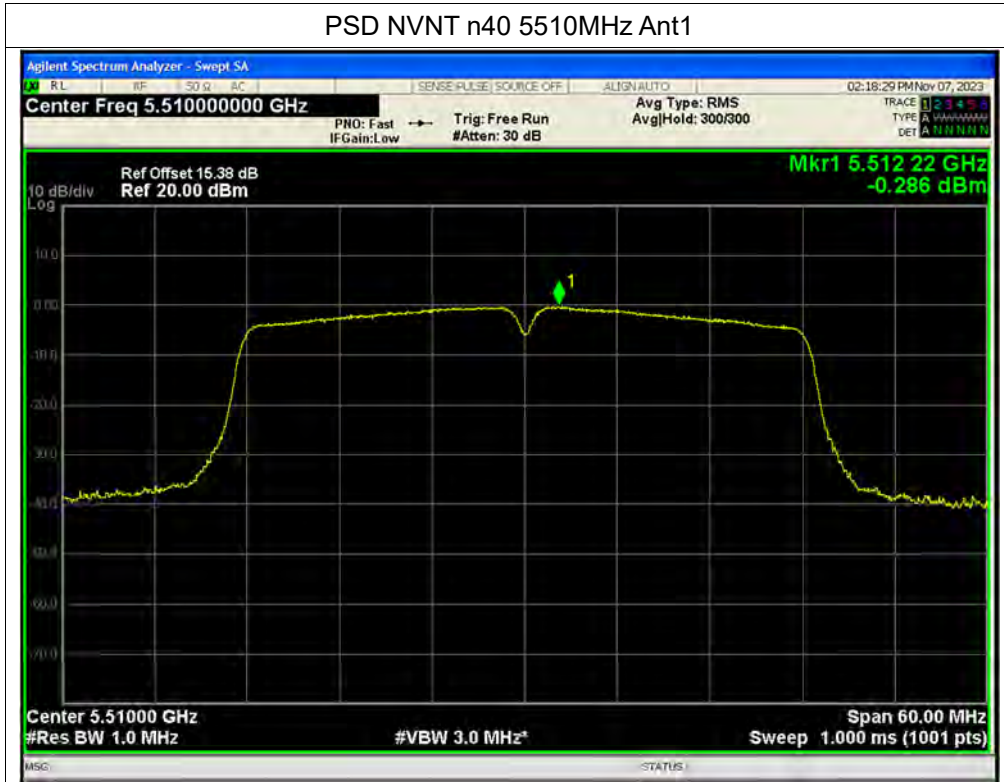


PSD NVNT n40 5310MHz Ant1





PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5550MHz Ant1



PSD NVNT n40 5630MHz Ant1



PSD NVNT n40 5710MHz Ant1





PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1







PSD NVNT ac20 5180MHz Ant1

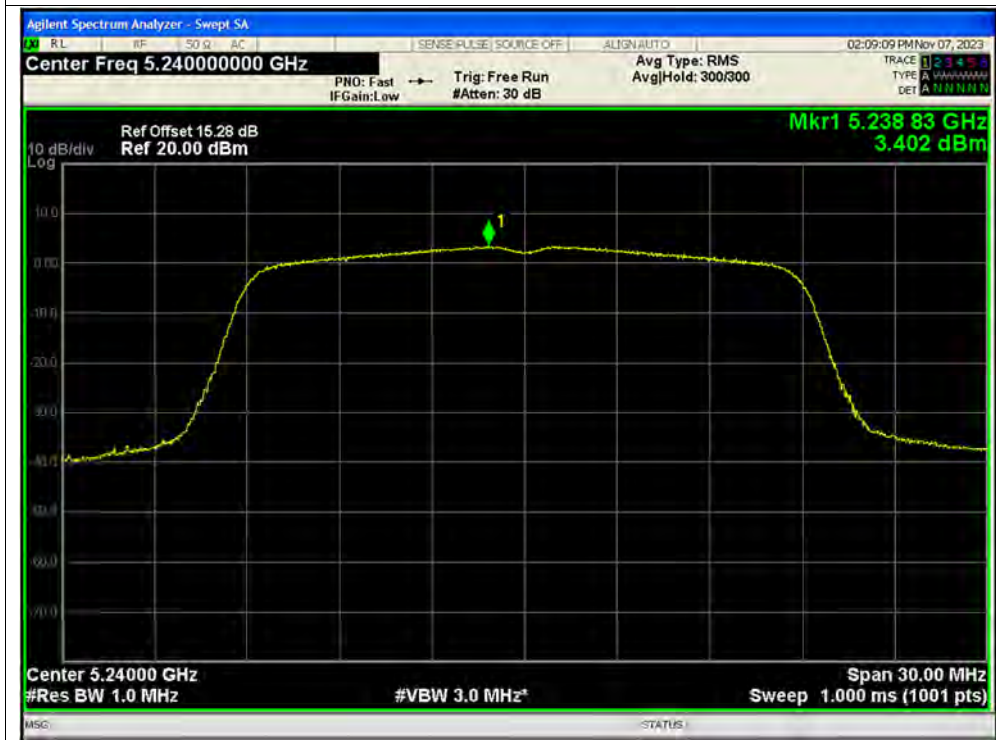


PSD NVNT ac20 5220MHz Ant1





PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac20 5260MHz Ant1





PSD NVNT ac20 5300MHz Ant1



PSD NVNT ac20 5320MHz Ant1





PSD NVNT ac20 5500MHz Ant1



PSD NVNT ac20 5580MHz 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



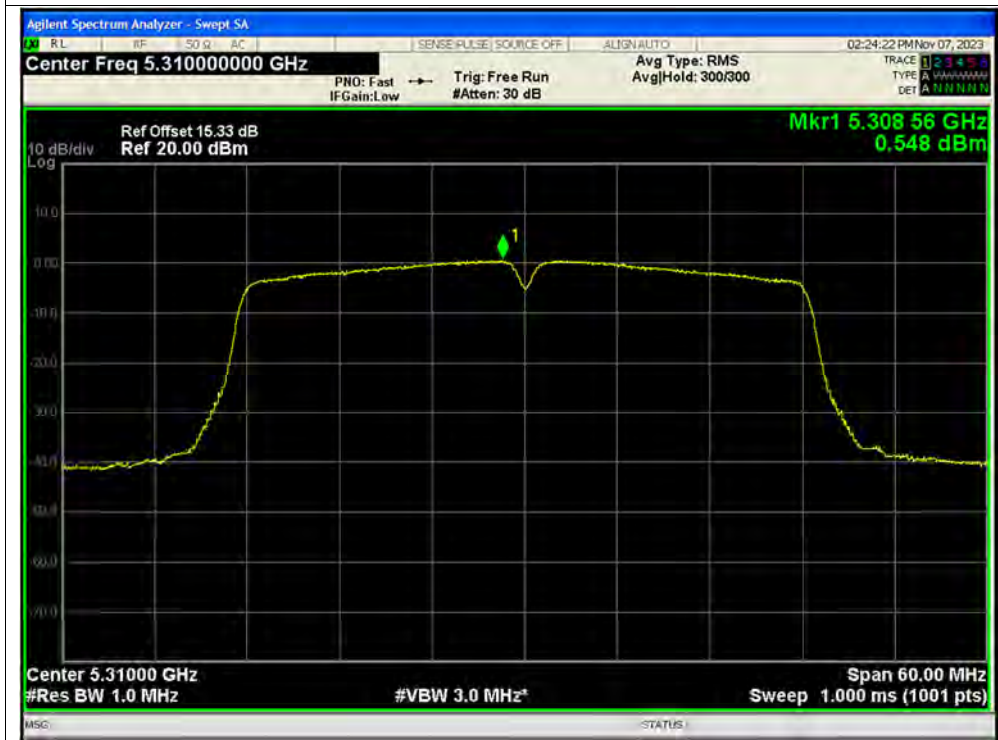
PSD NVNT ac40 5270MHz Ant1







PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac40 5510MHz Ant1





PSD NVNT ac40 5550MHz Ant1



PSD NVNT ac40 5630MHz Ant1





PSD NVNT ac40 5710MHz 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



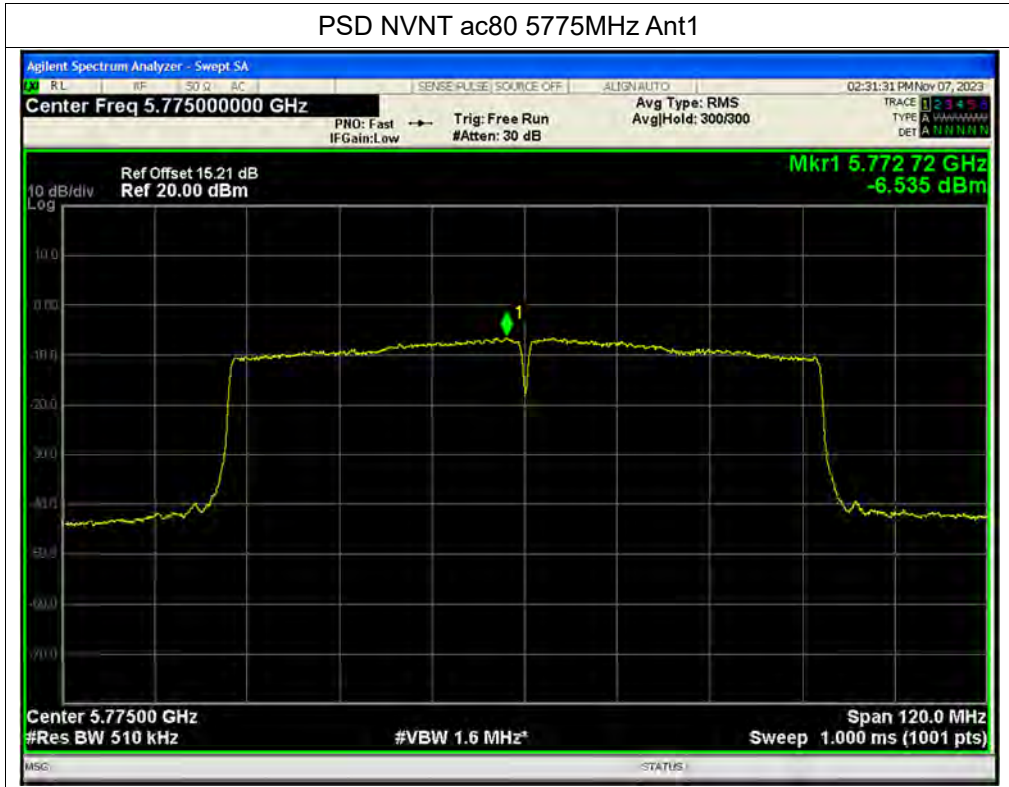


PSD NVNT ac80 5610MHz Ant1



PSD NVNT ac80 5690MHz Ant1







**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.6V	Carrier	5180	Ant1	5179.99	-10000	-1.93	25	Pass
20C 4.4V	Carrier	5180	Ant1	5179.99	-10000	-1.93	25	Pass
-10C 3.85V	Carrier	5180	Ant1	5179.99	-10000	-1.93	25	Pass
0C 3.85V	Carrier	5180	Ant1	5179.99	-10000	-1.93	25	Pass
10C 3.85V	Carrier	5180	Ant1	5179.99	-10000	-1.93	25	Pass
20C 3.85V	Carrier	5180	Ant1	5179.99	-10000	-1.93	25	Pass
30C 3.85V	Carrier	5180	Ant1	5179.99	-10000	-1.93	25	Pass
40C 3.85V	Carrier	5180	Ant1	5179.989	-11000	-2.12	25	Pass
50C 3.85V	Carrier	5180	Ant1	5179.989	-11000	-2.12	25	Pass
55C 3.85V	Carrier	5180	Ant1	5179.989	-11000	-2.12	25	Pass
20C 3.6V	Carrier	5260	Ant1	5259.989	-11000	-2.09	25	Pass
20C 4.4V	Carrier	5260	Ant1	5259.989	-11000	-2.09	25	Pass
-10C 4.4V	Carrier	5260	Ant1	5259.989	-11000	-2.09	25	Pass
0C 4.4V	Carrier	5260	Ant1	5259.989	-11000	-2.09	25	Pass
10C 4.4V	Carrier	5260	Ant1	5259.989	-11000	-2.09	25	Pass
20C 4.4V	Carrier	5260	Ant1	5259.989	-11000	-2.09	25	Pass
30C 4.4V	Carrier	5260	Ant1	5259.989	-11000	-2.09	25	Pass
40C 4.4V	Carrier	5260	Ant1	5259.989	-11000	-2.09	25	Pass
50C 4.4V	Carrier	5260	Ant1	5259.989	-11000	-2.09	25	Pass
55C 4.4V	Carrier	5260	Ant1	5259.989	-11000	-2.09	25	Pass
20C 3.6V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
20C 4.4V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
-10C 4.4V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
0C 4.4V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
10C 4.4V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
20C 4.4V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
30C 4.4V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
40C 4.4V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
50C 4.4V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
55C 4.4V	Carrier	5500	Ant1	5499.988	-12000	-2.18	25	Pass
20C 3.6V	Carrier	5745	Ant1	5744.985	-15000	-2.61	25	Pass
20C 4.4V	Carrier	5745	Ant1	5744.985	-15000	-2.61	25	Pass
-10C	Carrier	5745	Ant1	5744.985	-15000	-2.61	25	Pass





3.85V								
0C 3.85V	Carrier	5745	Ant1	5744.985	-15000	-2.61	25	Pass
10C 3.85V	Carrier	5745	Ant1	5744.985	-15000	-2.61	25	Pass
20C 3.85V	Carrier	5745	Ant1	5744.985	-15000	-2.61	25	Pass
30C 3.85V	Carrier	5745	Ant1	5744.985	-15000	-2.61	25	Pass
40C 3.85V	Carrier	5745	Ant1	5744.985	-15000	-2.61	25	Pass
50C 3.85V	Carrier	5745	Ant1	5744.985	-15000	-2.61	25	Pass
55C 3.85V	Carrier	5745	Ant1	5744.985	-15000	-2.61	25	Pass



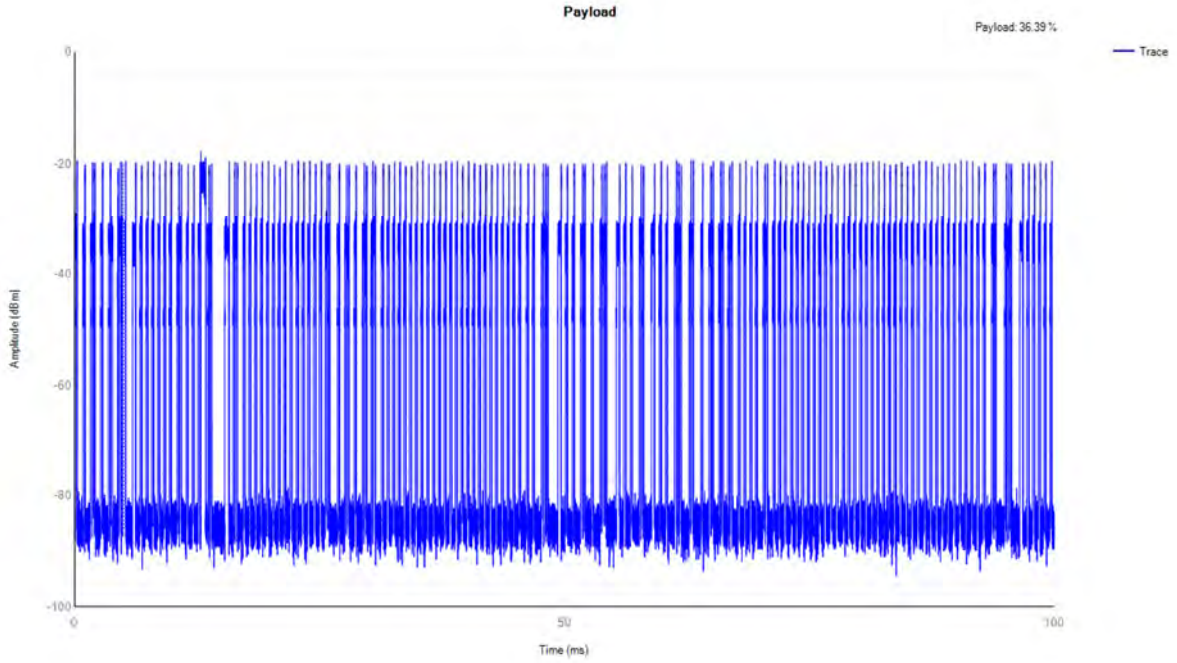
### A.6. Dynamic Frequency Selection

Payload

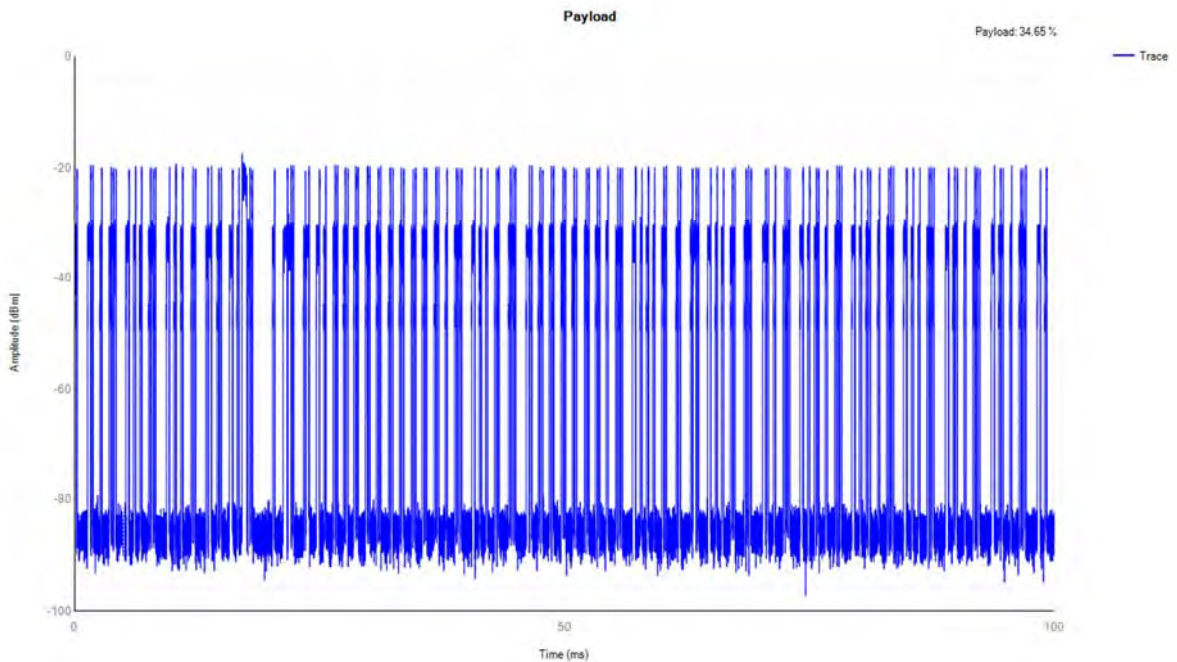
Mode	Frequency (MHz)	Result	Verdict
a	5320	36.39	Pass
a	5500	34.65	Pass
ac80	5290	30.38	Pass
ac80	5530	32.65	Pass

Test Graphs

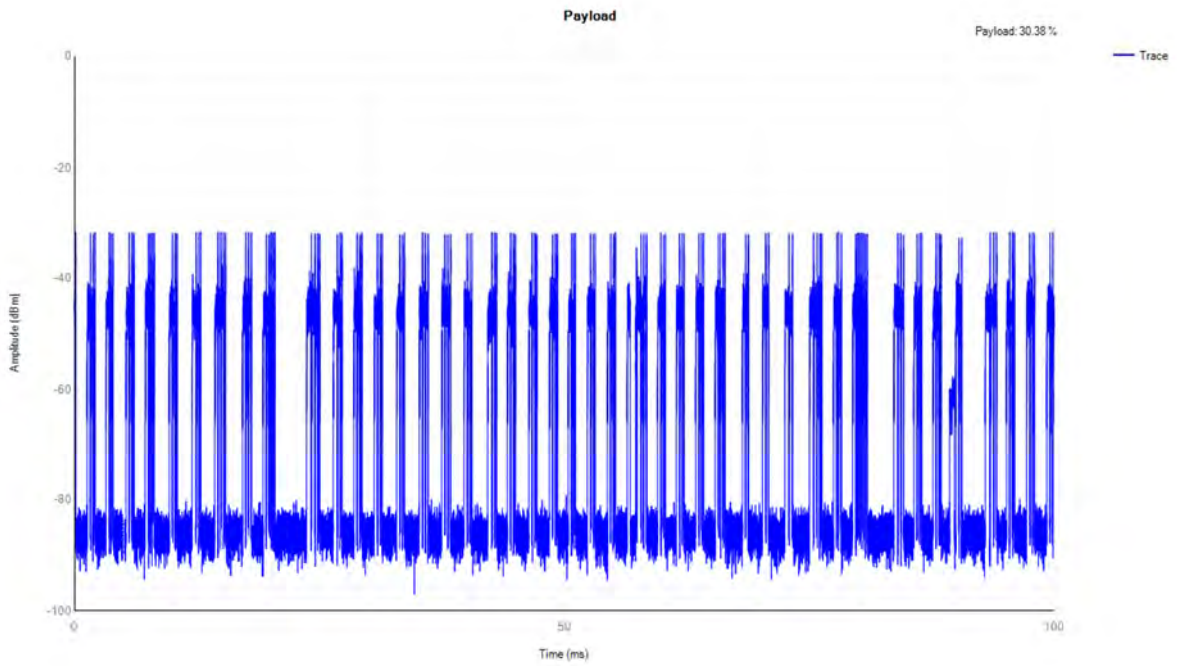
a 5320MHz Payload



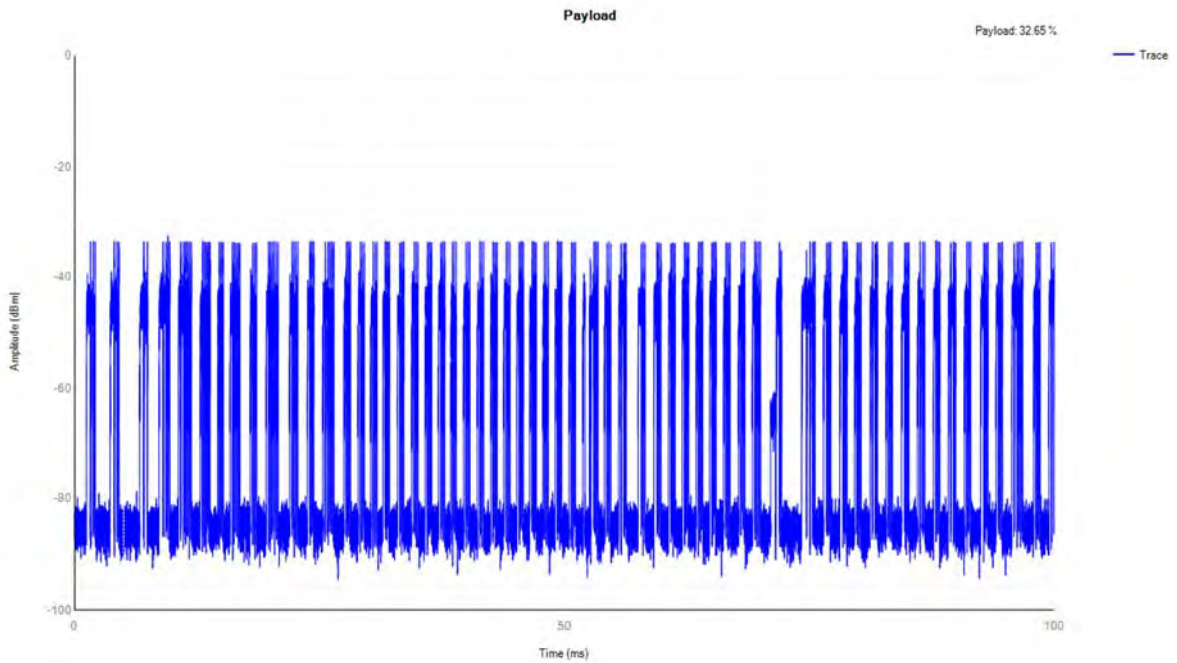
a 5500MHz Payload



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

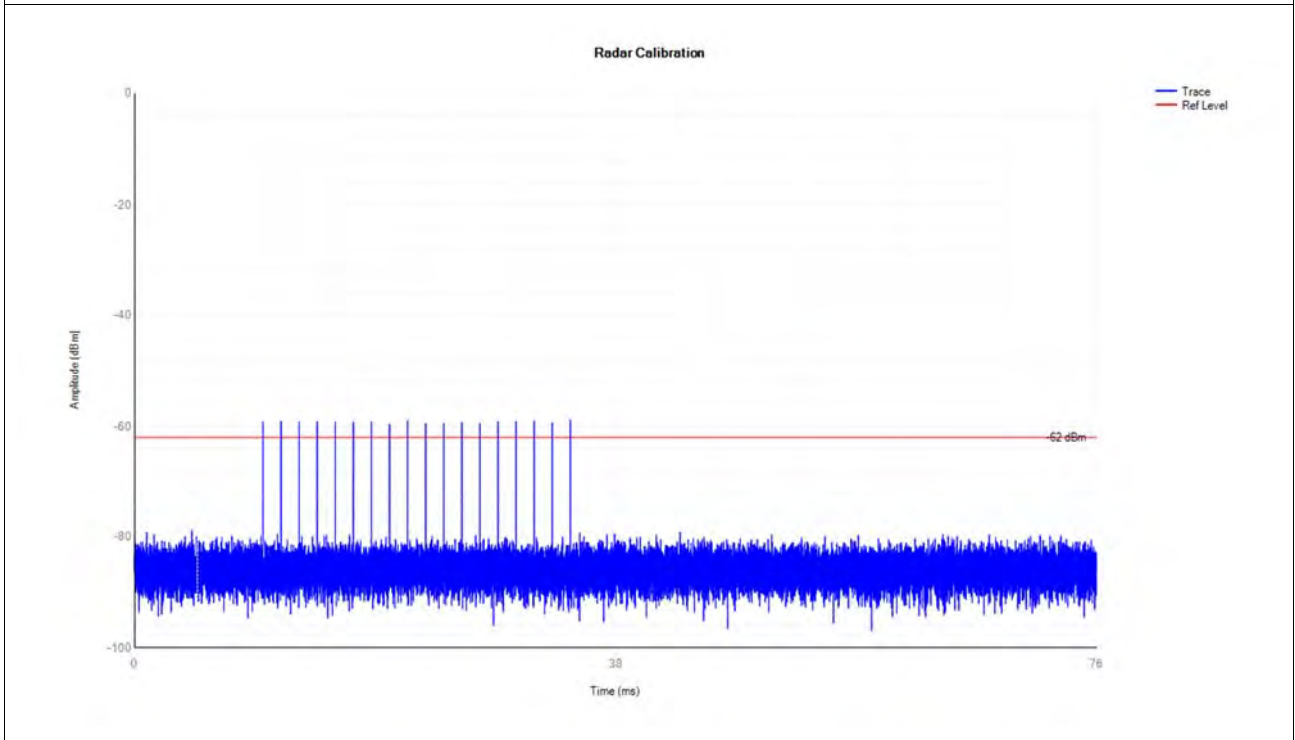
Detector Type: Peak

RBW: 3MHz

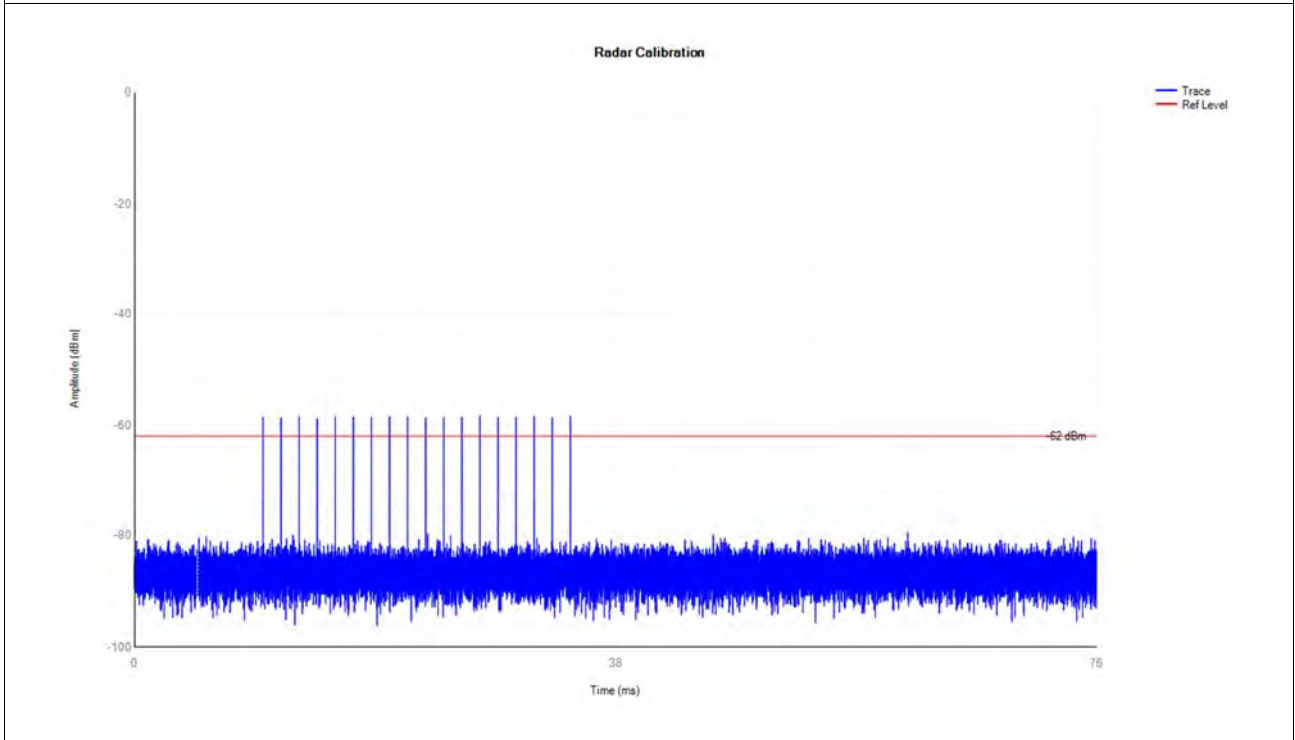
VBW: 3MHz

Test Graphs

5320MHz DFS\_FCC\_T0

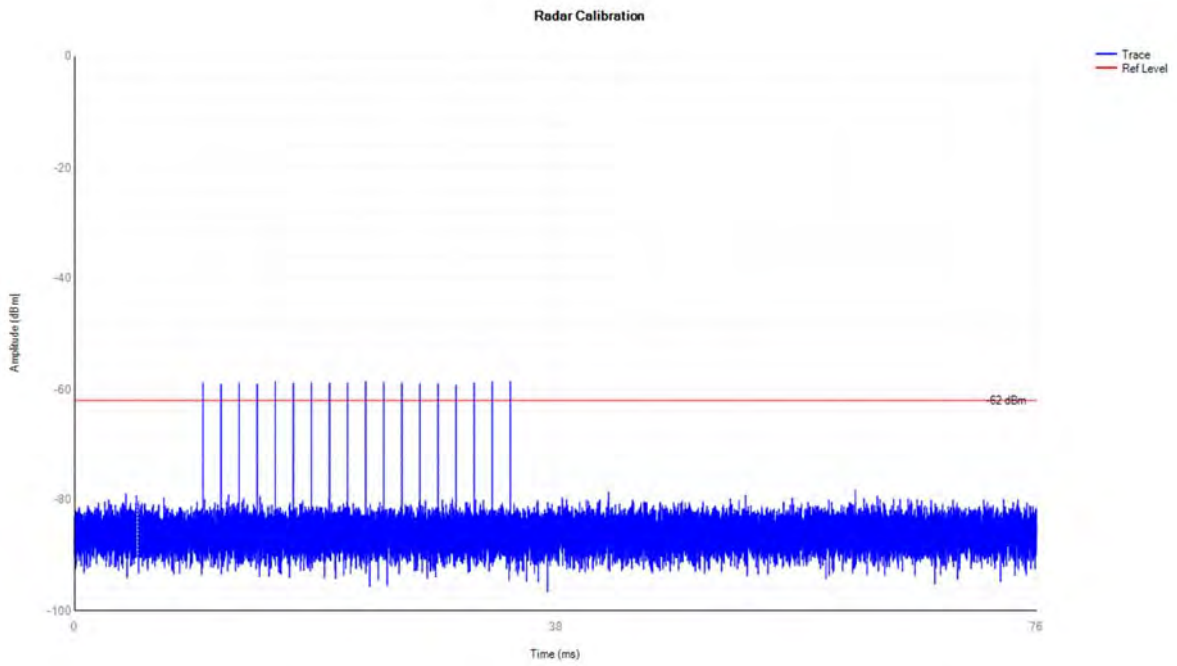


5500MHz DFS\_FCC\_T0

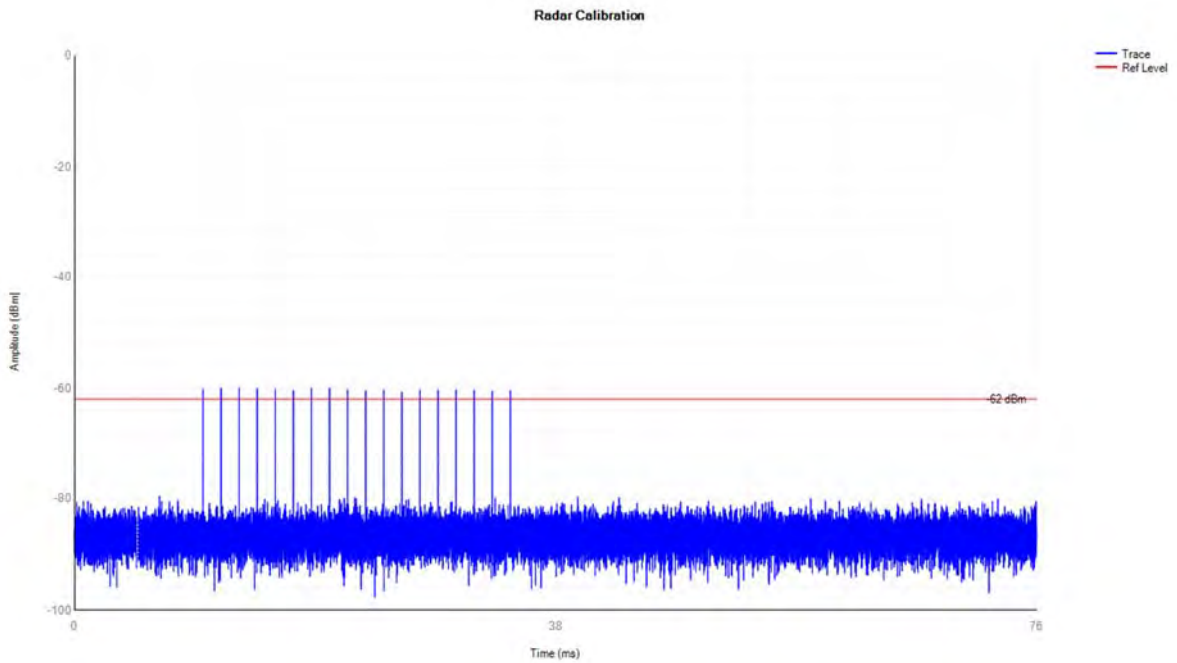




5290MHz DFS\_FCC\_T0



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	0.563	10	0.082	0.26	0.054	0.06	Pass
a	5500	0.862	10	0.061	0.26	0.041	0.06	Pass
ac80	5290	0.986	10	0.062	0.26	0.047	0.06	Pass
ac80	5530	0.862	10	0.061	0.26	0.041	0.06	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

RBW: 3MHz

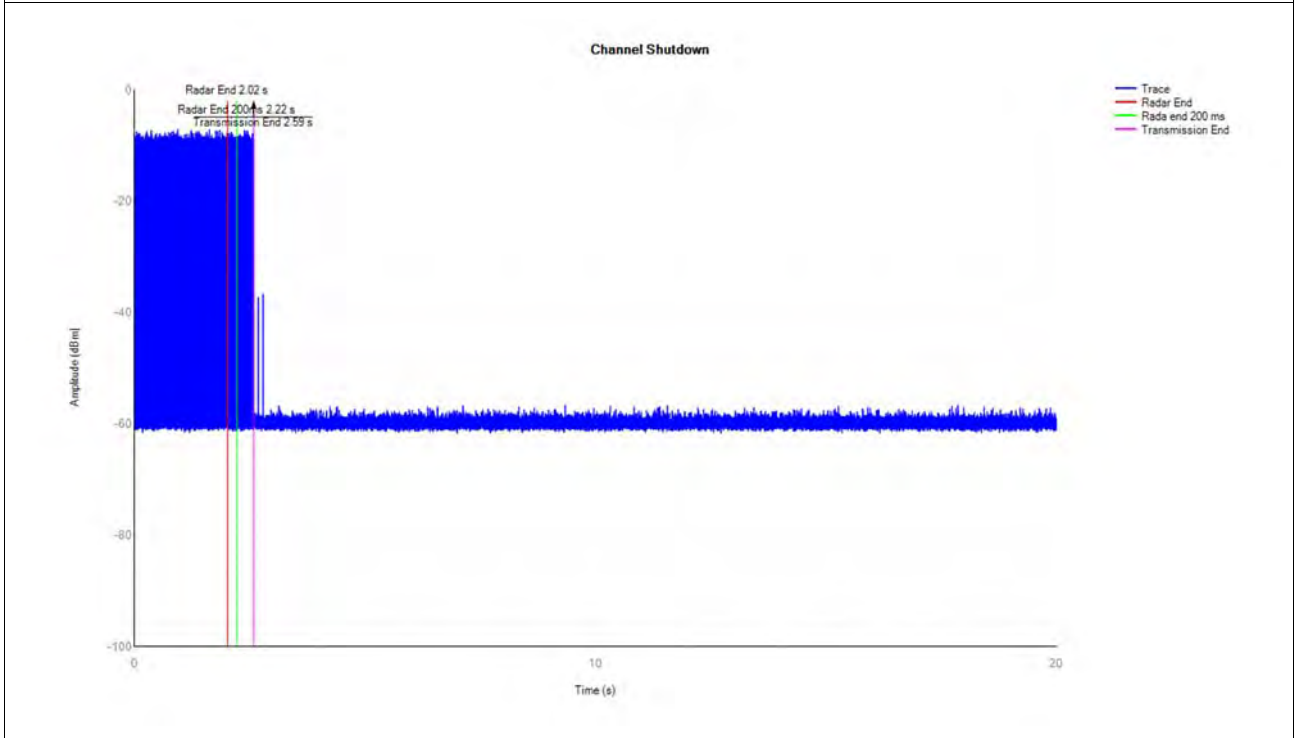
VBW: 3MHz

Sweep time: 20s

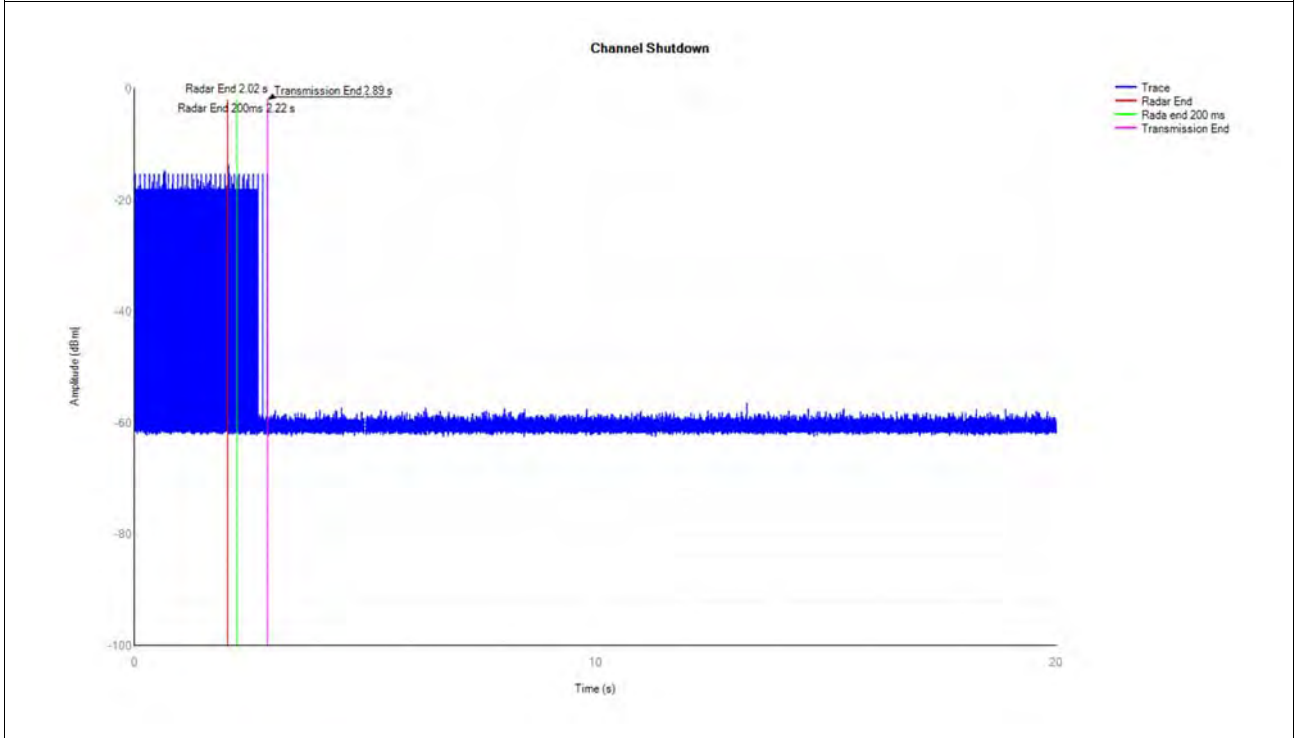


Test Graphs

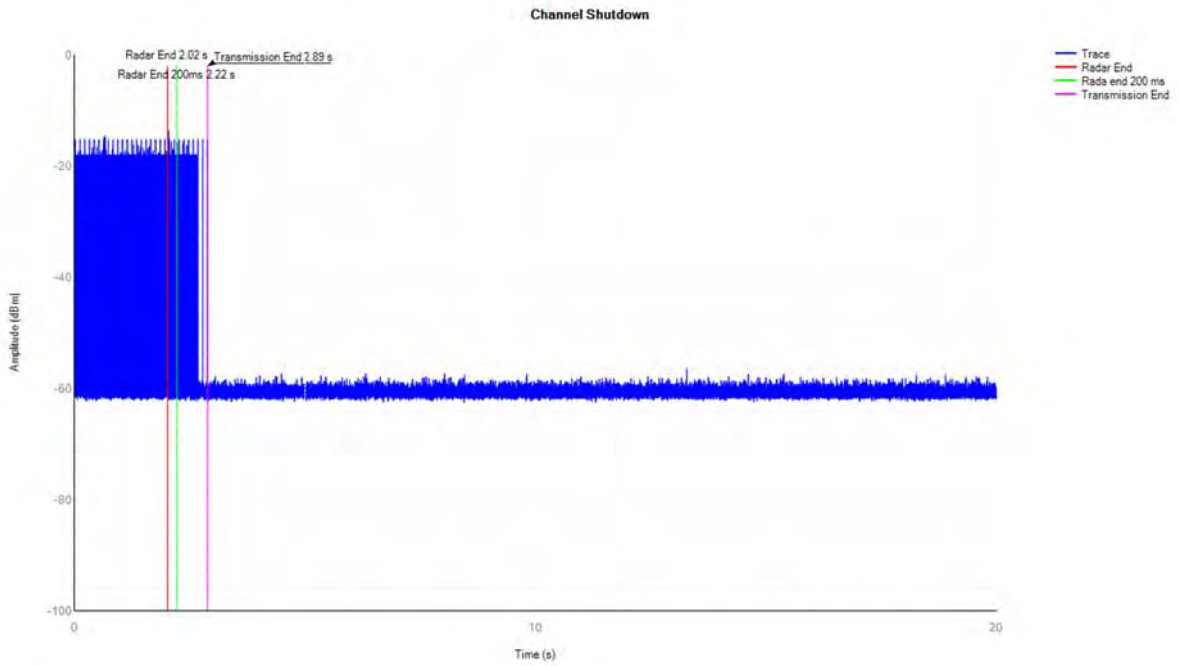
a 5320MHz Shutdown



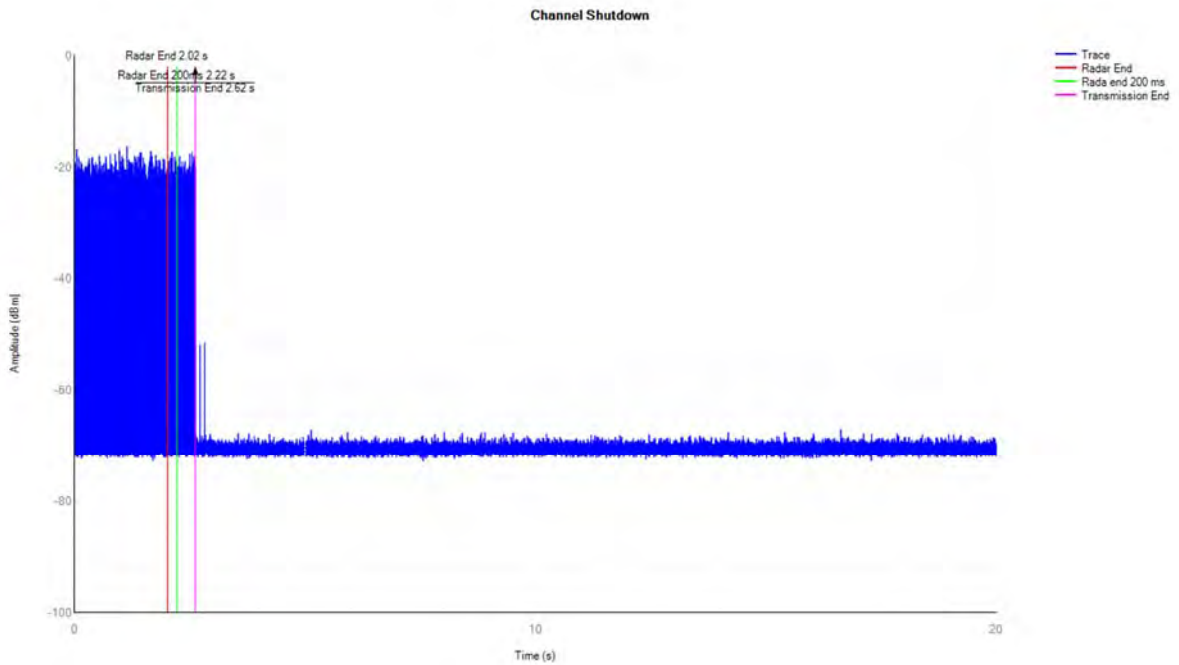
a 5500MHz Shutdown



ac80 5290MHz Shutdown



ac80 5530MHz 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

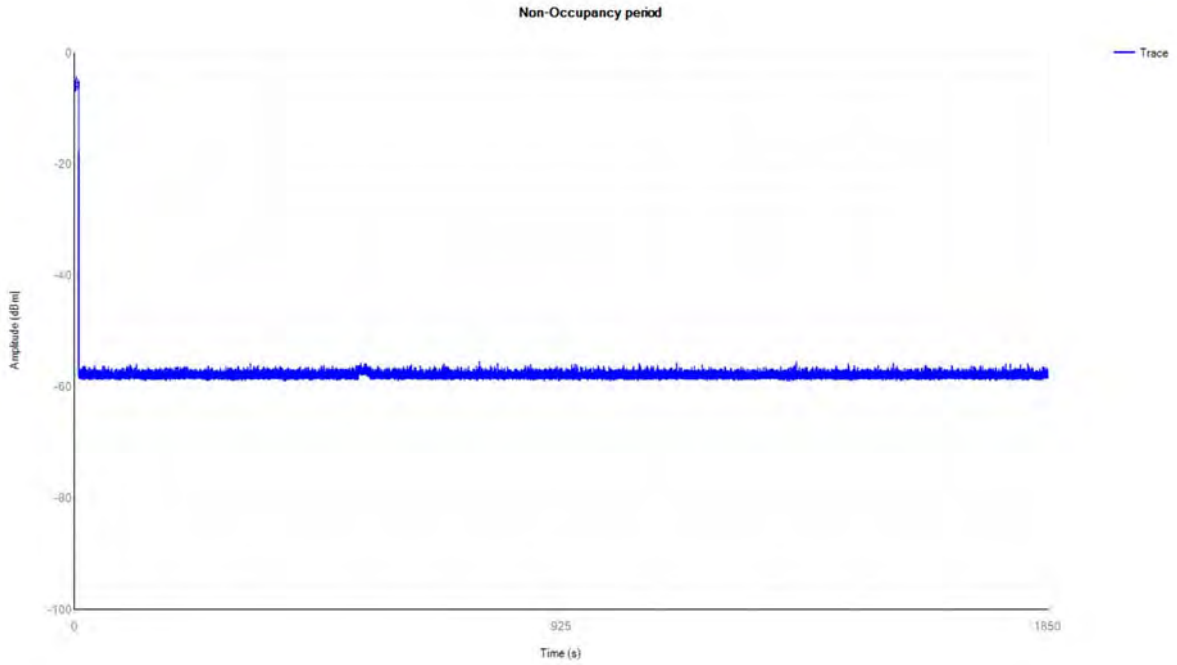
RBW: 3MHz

VBW: 3MHz

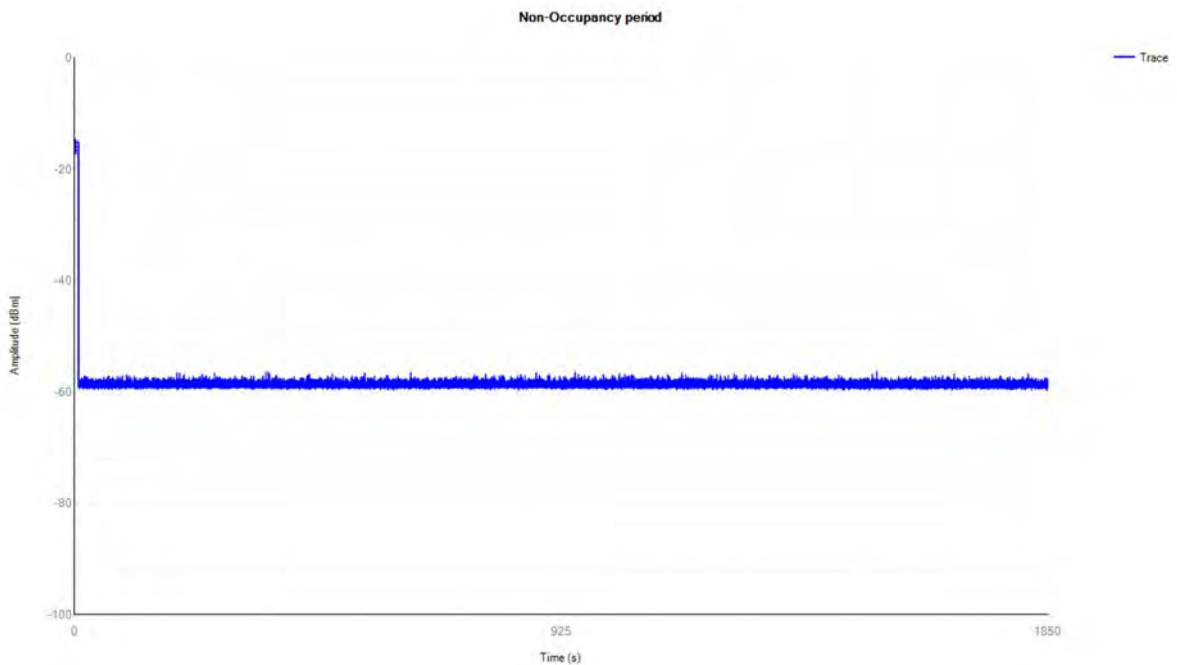
Sweep time: 1850s

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 + Adapter + USB cable + Earphone + WIFI TX

Test voltage: AC 120V/60Hz

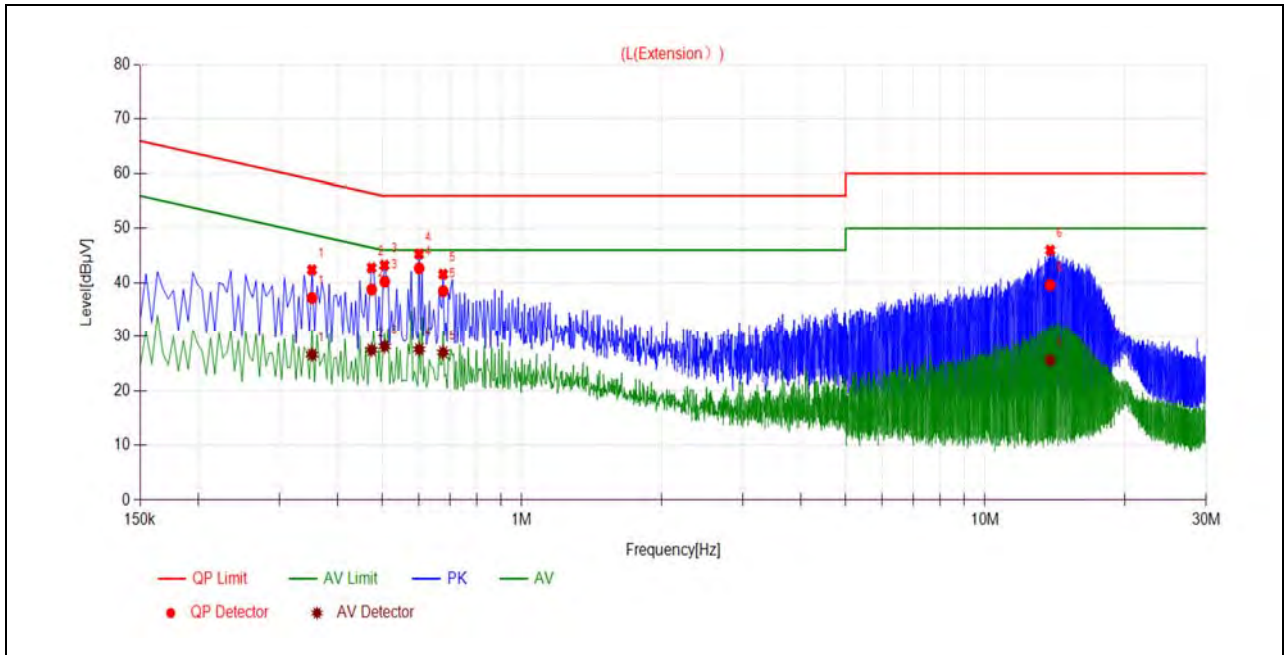
The measurement results are obtained as below:

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

$U_R$ : Receiver Reading

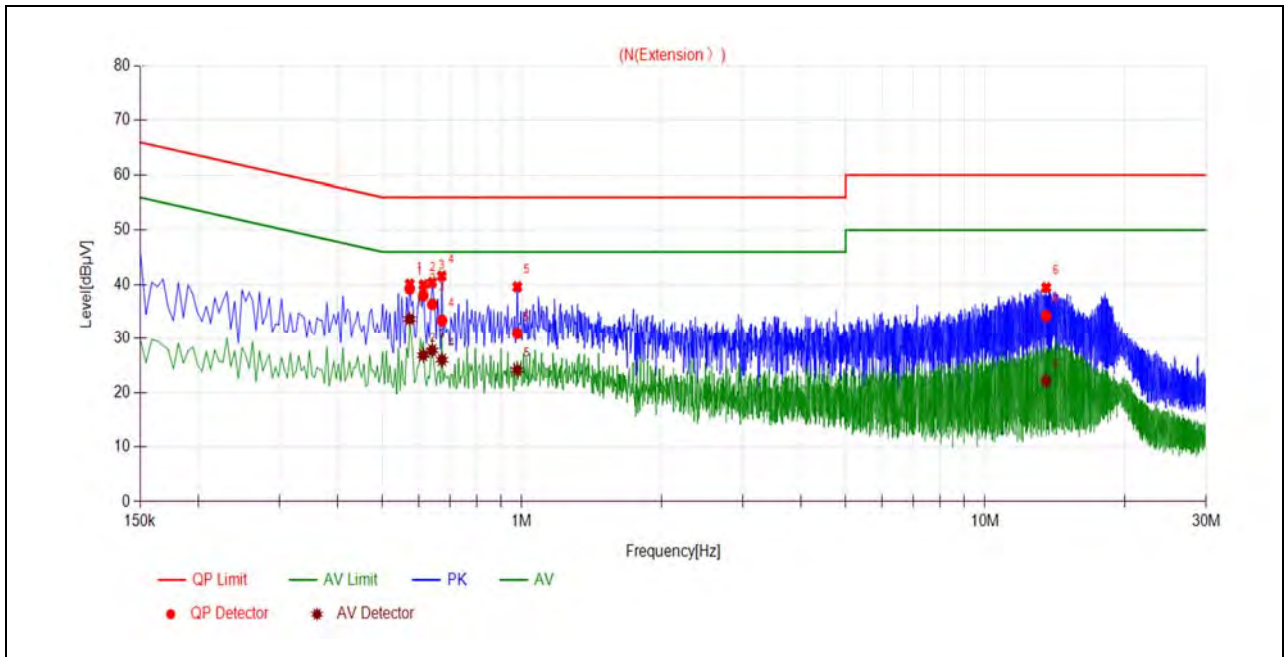
$A_{\text{Factor}}$ : Voltage division factor of LISN

**B. Test Plot:**



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.3525	37.20	26.62	58.90	48.90	Line	PASS
2	0.4740	38.76	27.49	56.44	46.44		PASS
3	0.5059	40.19	28.14	56.00	46.00		PASS
4	0.6005	42.67	27.60	56.00	46.00		PASS
5	0.6767	38.46	27.02	56.00	46.00		PASS
6	13.8129	39.58	25.59	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.5728	39.25	33.67	56.00	46.00	Neutral	PASS
2	0.6129	38.01	26.86	56.00	46.00		PASS
3	0.6408	36.40	27.77	56.00	46.00		PASS
4	0.6726	33.40	26.01	56.00	46.00		PASS
5	0.9778	30.96	24.14	56.00	46.00		PASS
6	13.5477	34.22	22.15	60.00	50.00		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

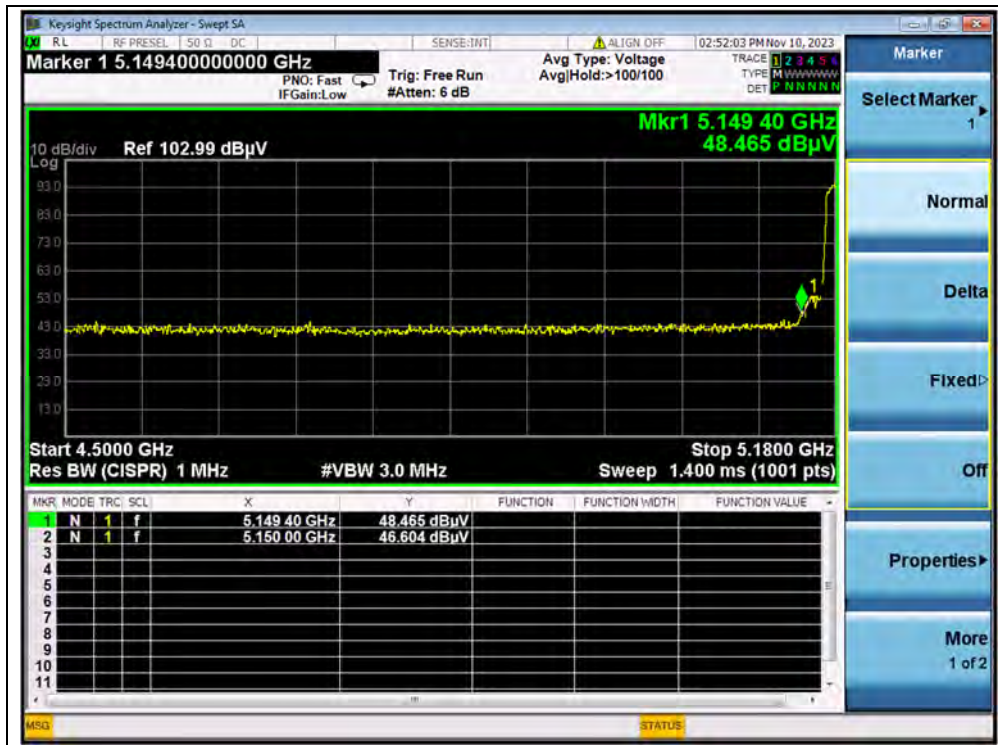
**Note 1:** Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

**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.

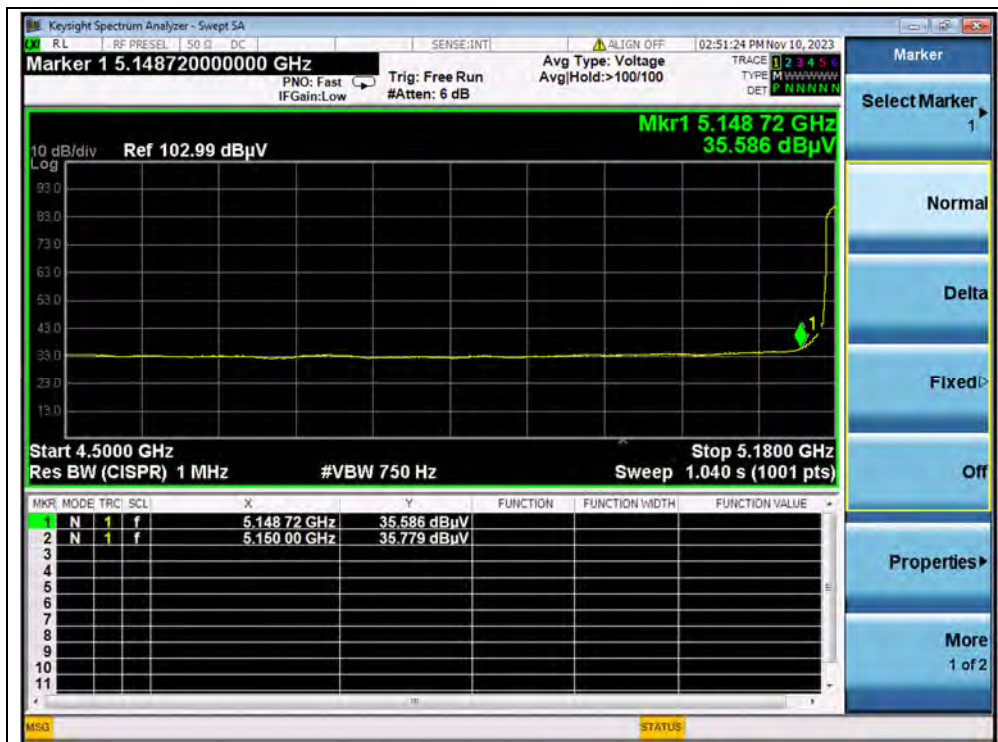
#### 802.11a Mode

Channel	Frequency (MHz)	Detector	Receiver Reading	$A_T$ (dB)	$A_{\text{Factor}}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV	$U_R$ (dB $\mu$ V)					
36	5149.40	PK	48.47	-19.54	32.20	61.13	74	PASS
36	5150.00	AV	35.78	-19.54	32.20	48.44	54	PASS
64	5351.08	PK	48.02	-18.80	32.20	61.42	74	PASS
64	5350.00	AV	35.80	-18.80	32.20	49.20	54	PASS
100	5463.50	PK	48.32	-19.20	32.20	61.32	68.23	PASS
100	5460.00	AV	35.35	-19.20	32.20	48.35	54	PASS
144	5725.00	PK	51.42	-19.20	32.20	64.42	68.23	PASS
149	5725.00	PK	58.08	-19.01	32.20	71.27	122.23	PASS
165	5850.00	PK	50.02	-19.01	32.20	63.21	122.23	PASS

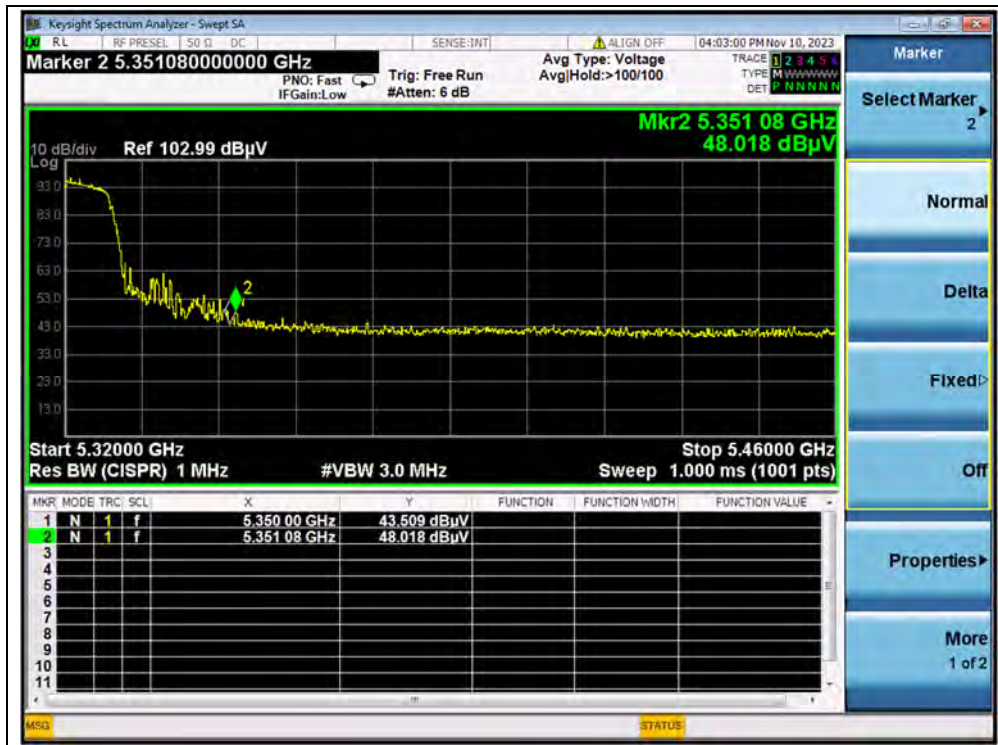




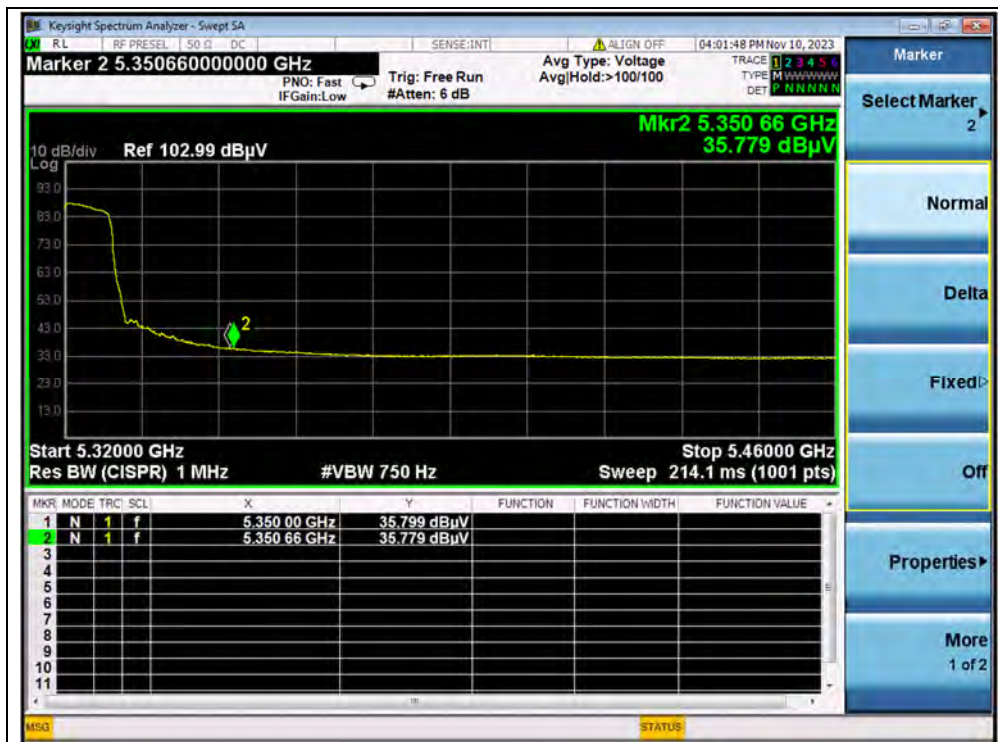
(PEAK, Channel 36, 802.11a)



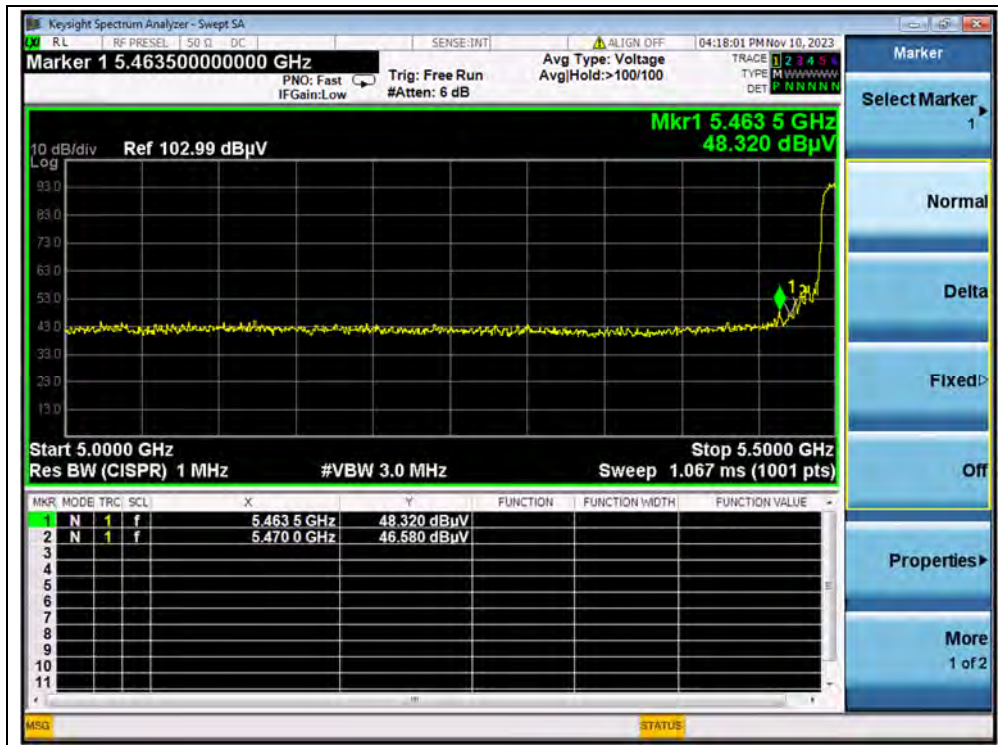
(AVERAGE, Channel 36, 802.11a)



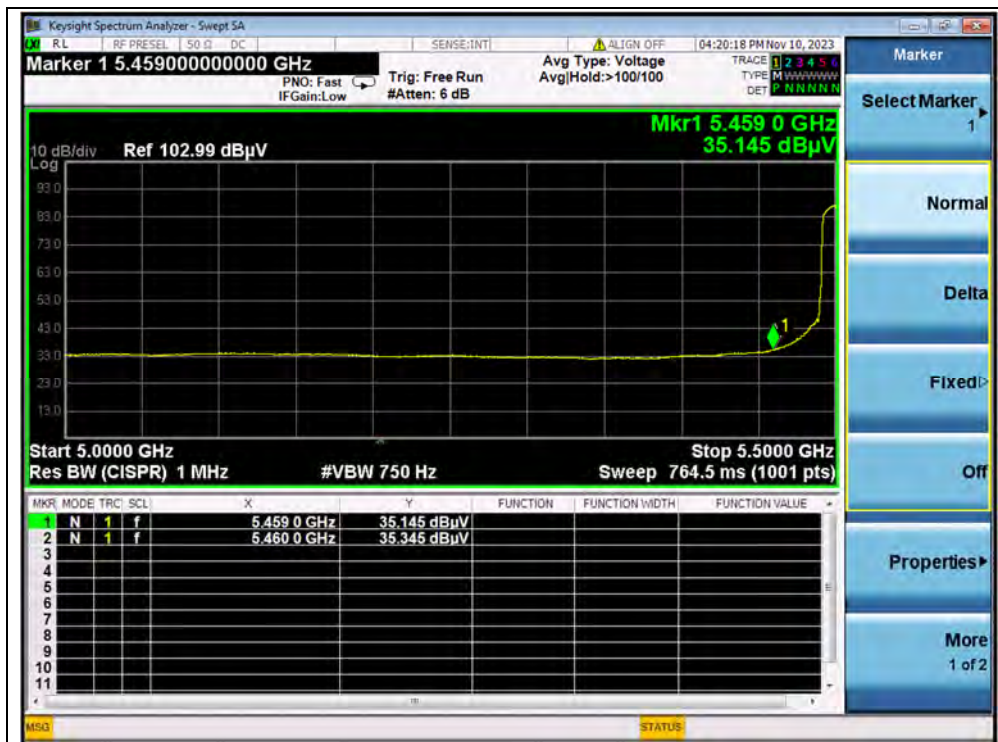
(PEAK, Channel 64, 802.11a)



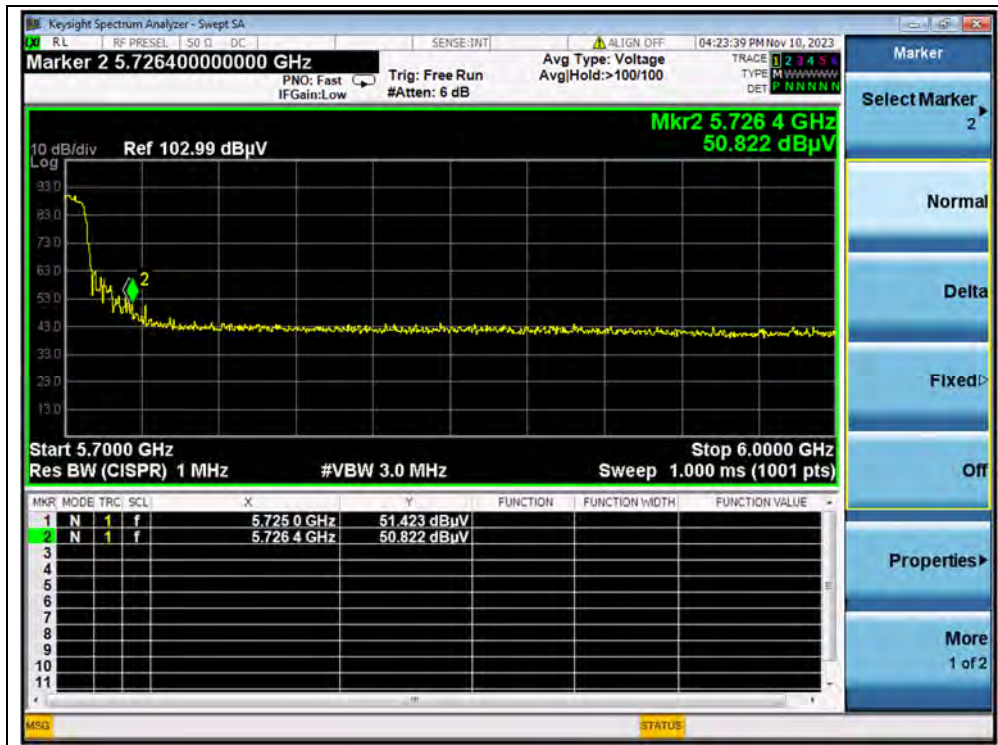
(AVERAGE, Channel 64, 802.11a)



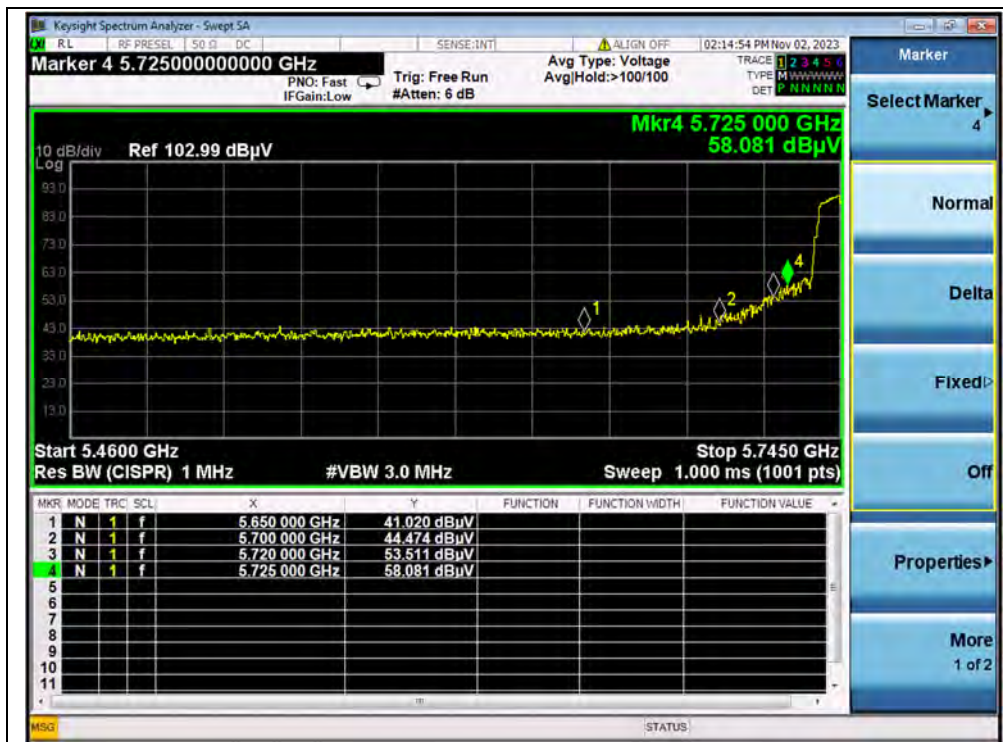
(PEAK, Channel 100, 802.11a)



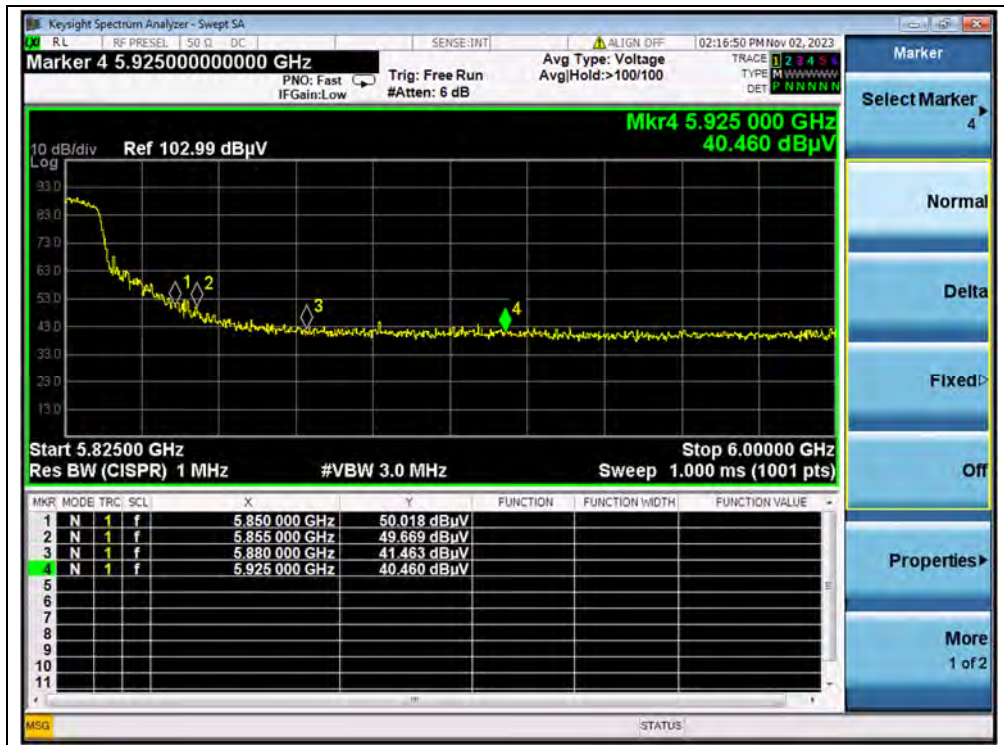
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)

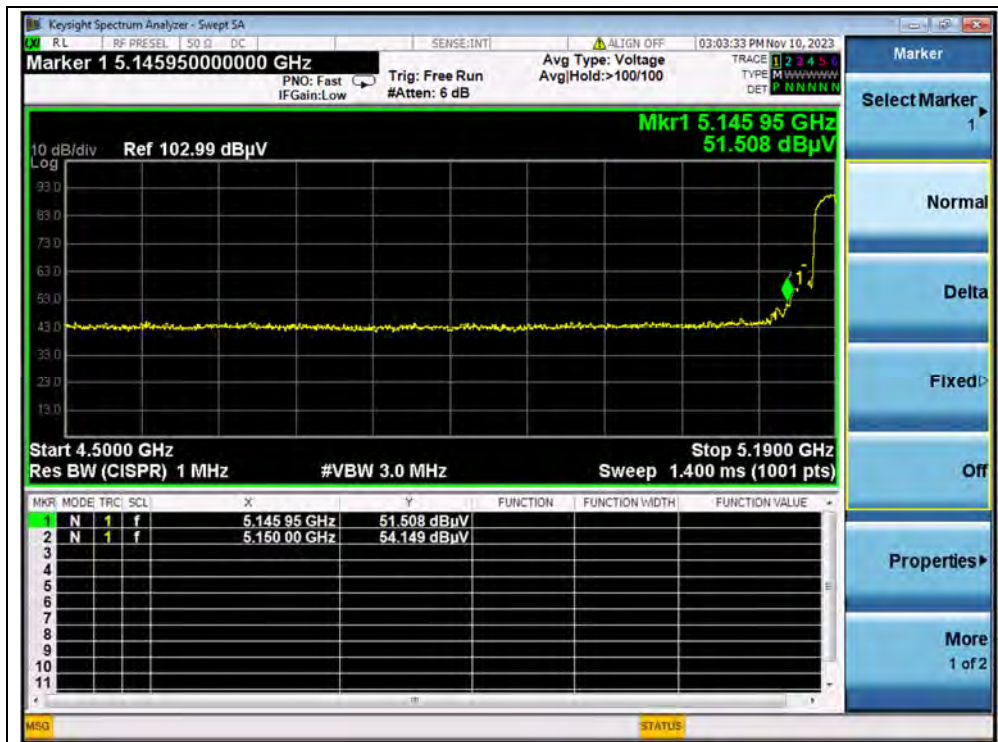


(PEAK, Channel 165, 802.11a)

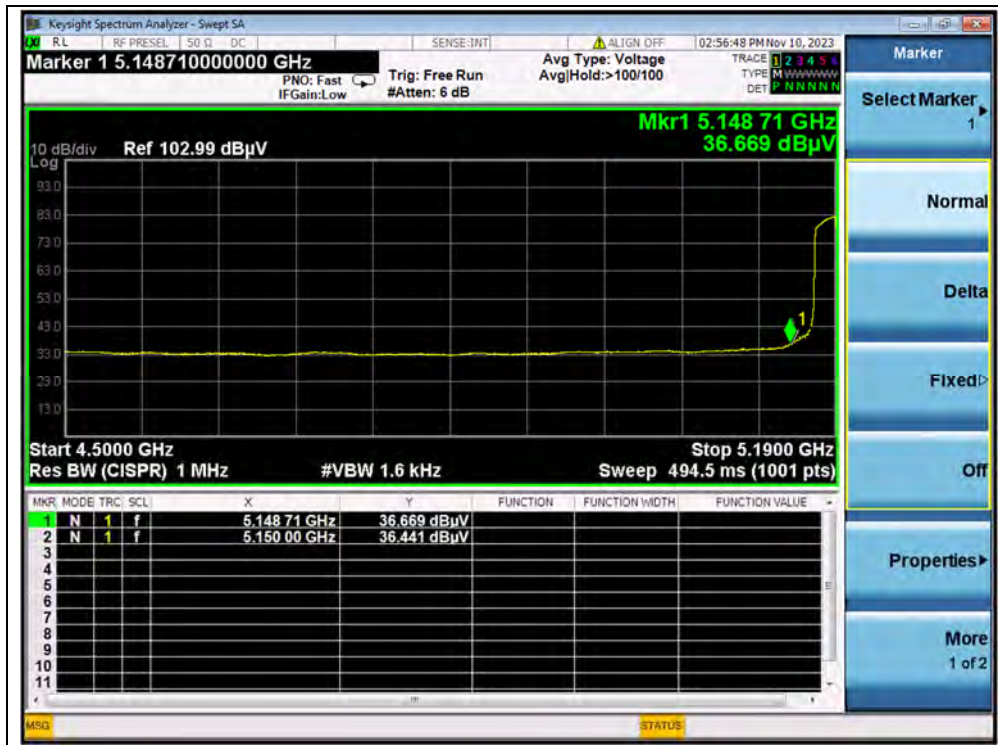


802.11n (HT40) Mode

Channel	Frequency (MHz)	Detector	Receiver Reading U <sub>R</sub> (dBμV)	A <sub>T</sub> (dB)	A <sub>Factor</sub> (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
38	5150.00	PK	54.15	-19.54	32.20	66.81	74	PASS
38	5148.71	AV	36.67	-19.54	32.20	49.33	54	PASS
62	5355.75	PK	50.98	-18.80	32.20	64.38	74	PASS
62	5350.00	AV	36.66	-18.80	32.20	50.06	54	PASS
102	5448.29	PK	47.68	-19.20	32.20	60.68	68.23	PASS
102	5460.00	AV	34.37	-19.20	32.20	47.37	54	PASS
142	5737.98	PK	49.26	-19.20	32.20	62.26	68.23	PASS
151	5725.00	PK	59.34	-19.01	32.20	72.53	122.23	PASS
159	5850.00	PK	52.23	-19.01	32.20	65.42	122.23	PASS



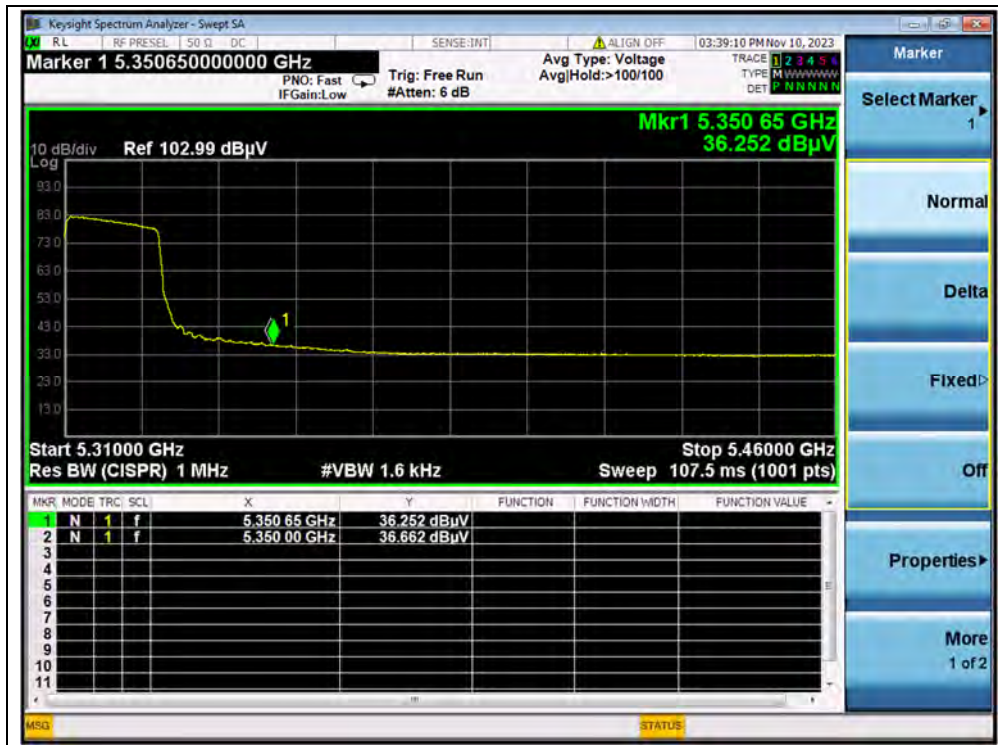
(PEAK, Channel 38, 802.11n (HT40))



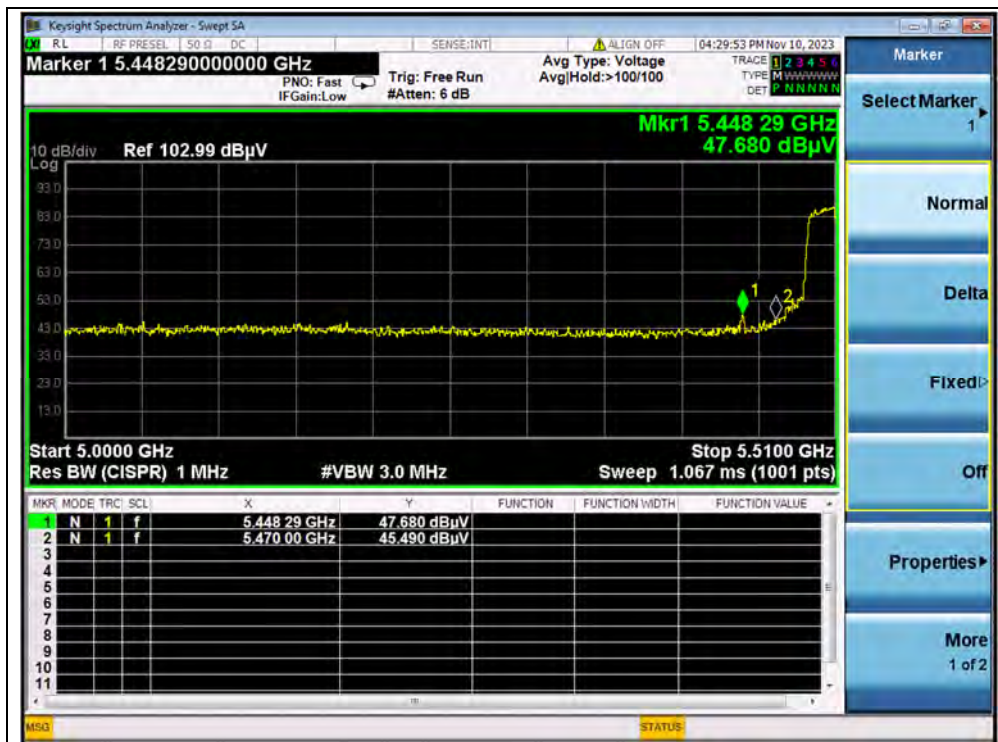
(AVERAGE, Channel 38, 802.11n (HT40))



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

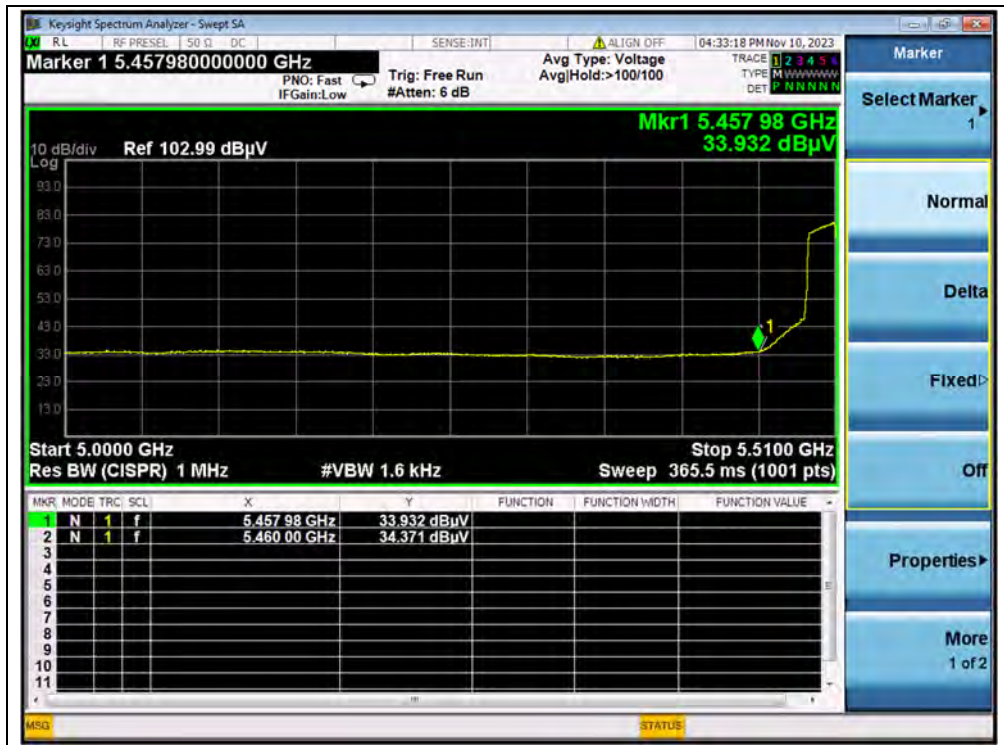


(AVERAGE, Channel 62, 802.11n (HT40))



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

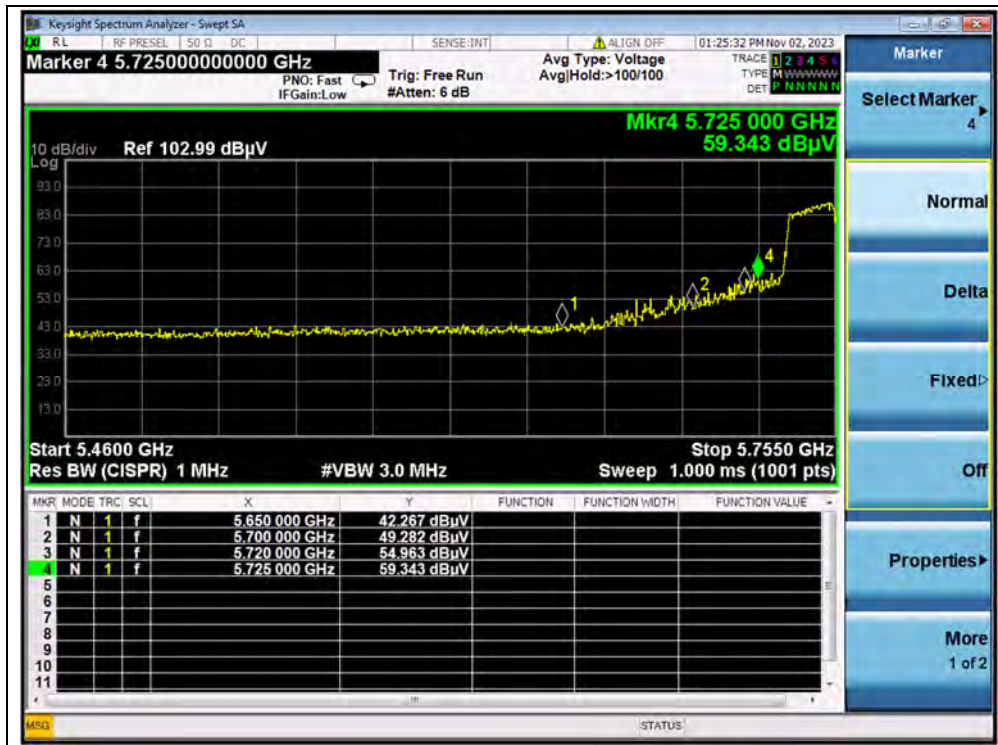




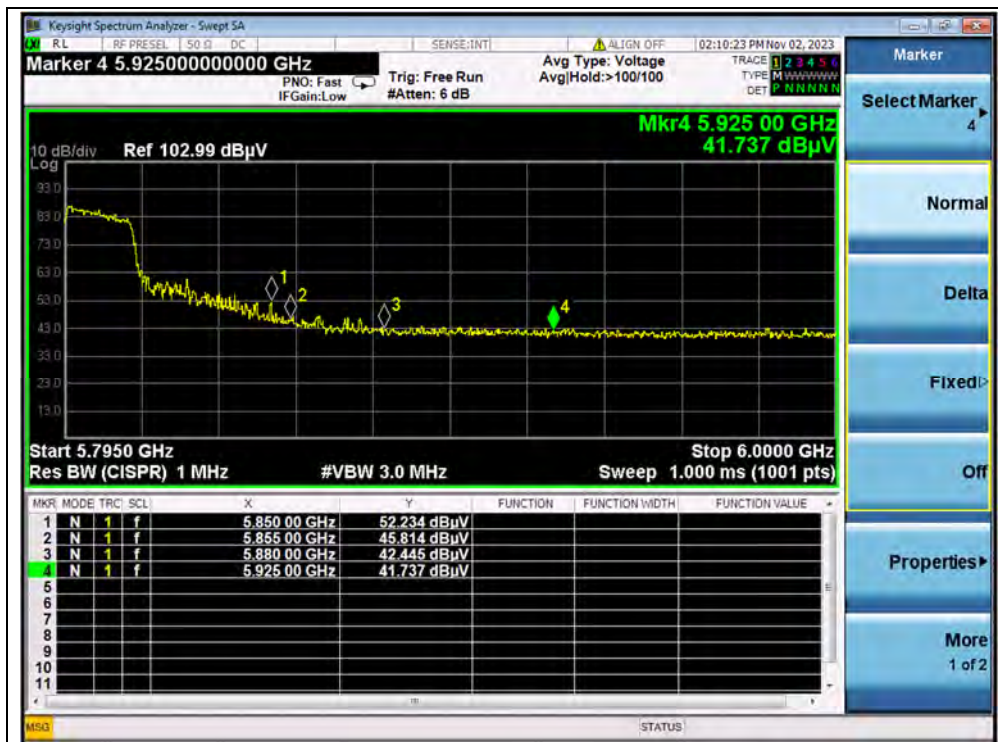
(AVERAGE, Channel 102, 802.11n (HT40))



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



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

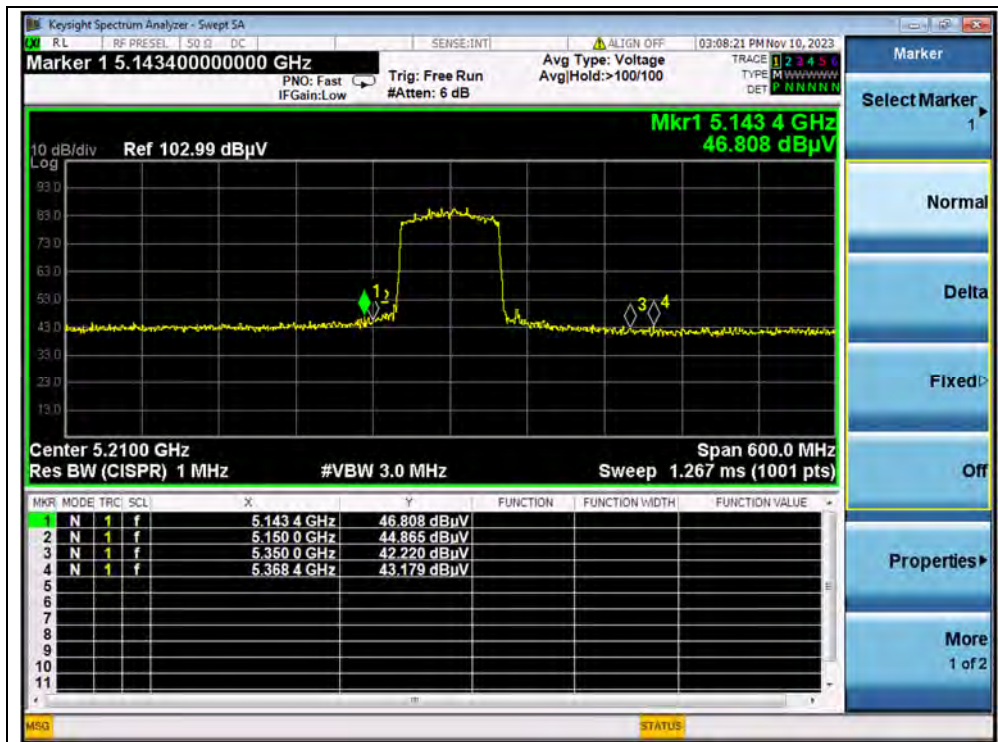


(PEAK, Channel 159, 802.11n (HT40))

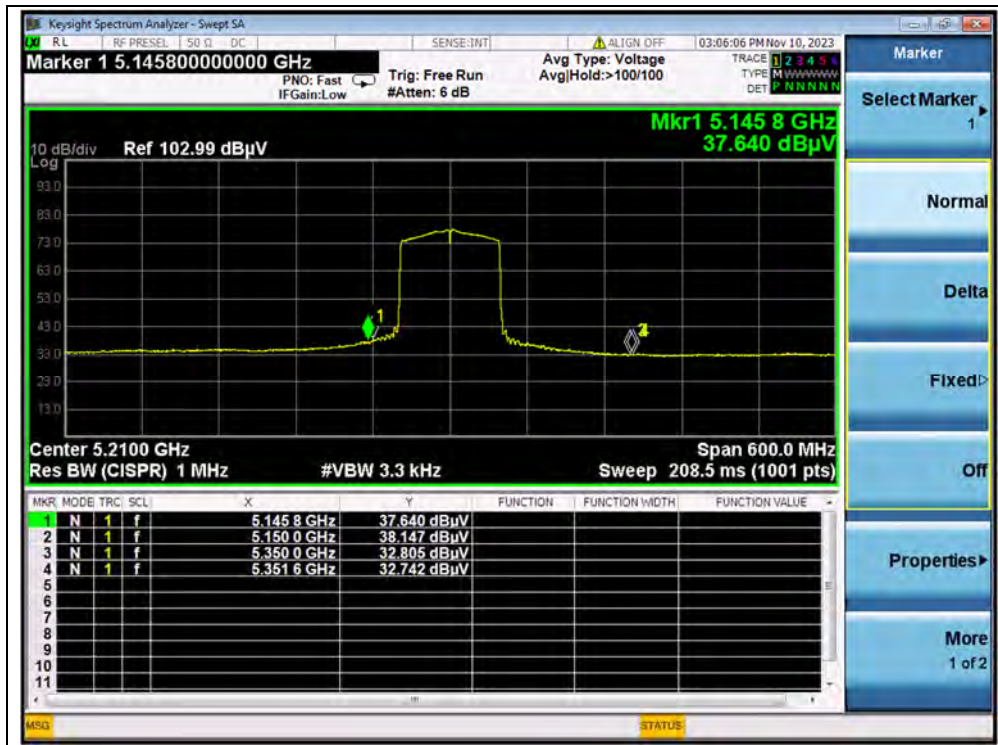


802.11ac (VHT80) Mode

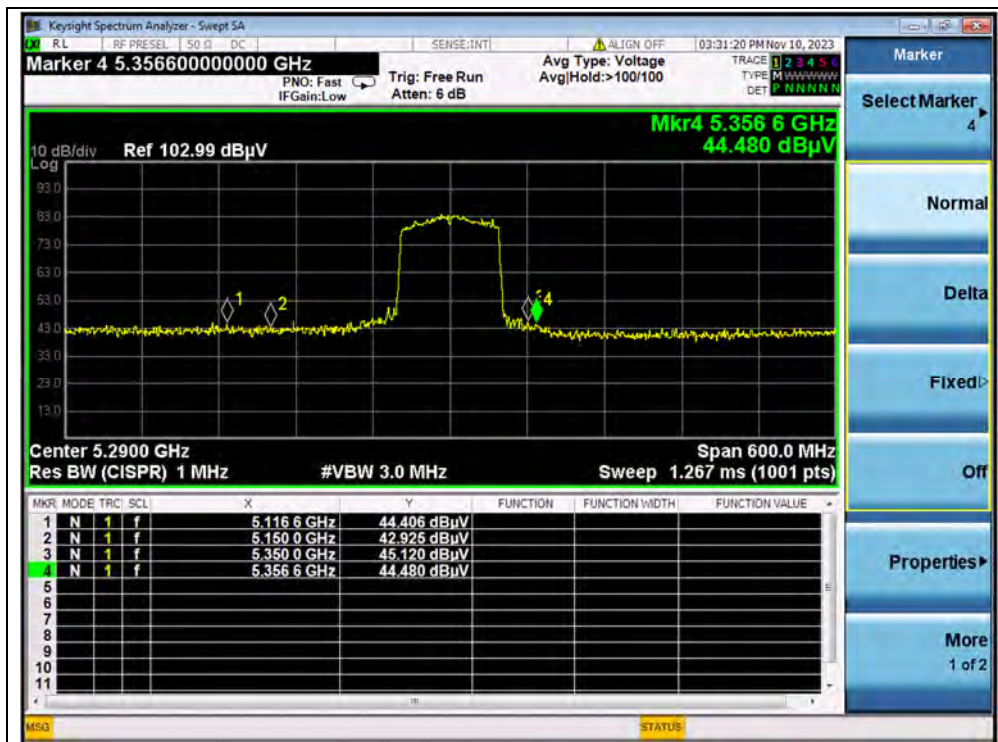
Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{Factor}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
42	5143.40	PK	46.81	-19.54	32.20	59.47	74	PASS
42	5150.00	AV	38.15	-19.54	32.20	50.81	54	PASS
58	5350.00	PK	45.12	-18.80	32.20	58.52	74	PASS
58	5350.00	AV	36.15	-18.80	32.20	49.55	54	PASS
106	5466.40	PK	45.62	-19.20	32.20	58.62	68.23	PASS
106	5460.00	AV	36.09	-19.20	32.20	49.09	54	PASS
138	5737.53	PK	52.08	-19.20	32.20	65.08	68.23	PASS
155	5720.00	PK	54.74	-19.01	32.20	67.93	110.83	PASS
155	5850.00	PK	54.34	-19.01	32.20	67.53	122.23	PASS



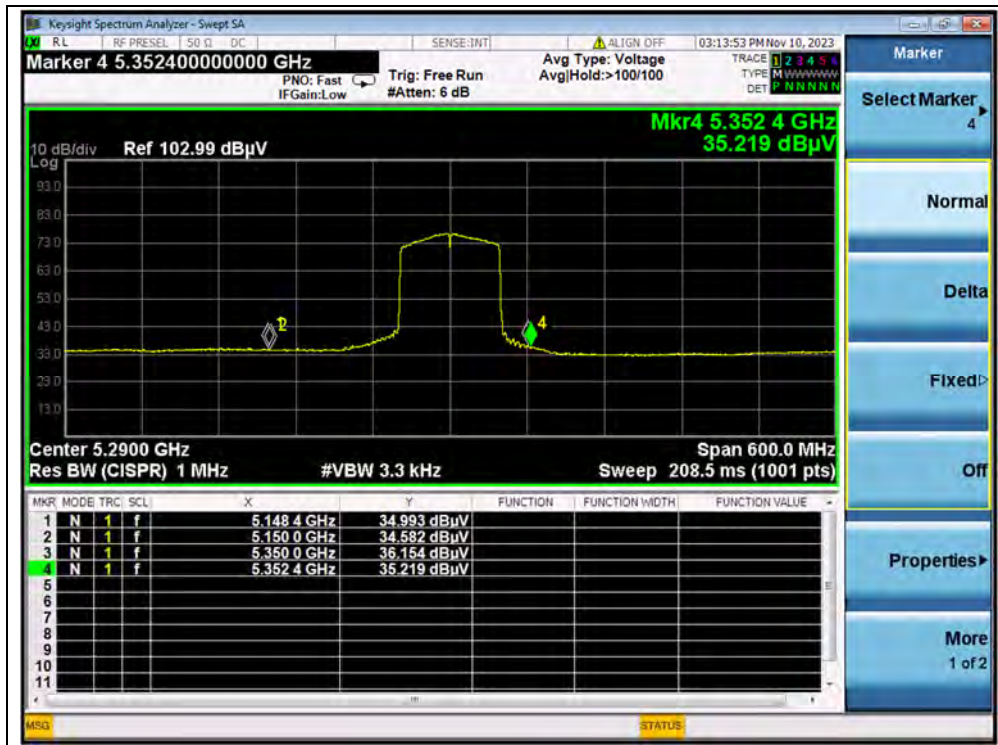
(PEAK, Channel 42, 802.11ac (VHT80))



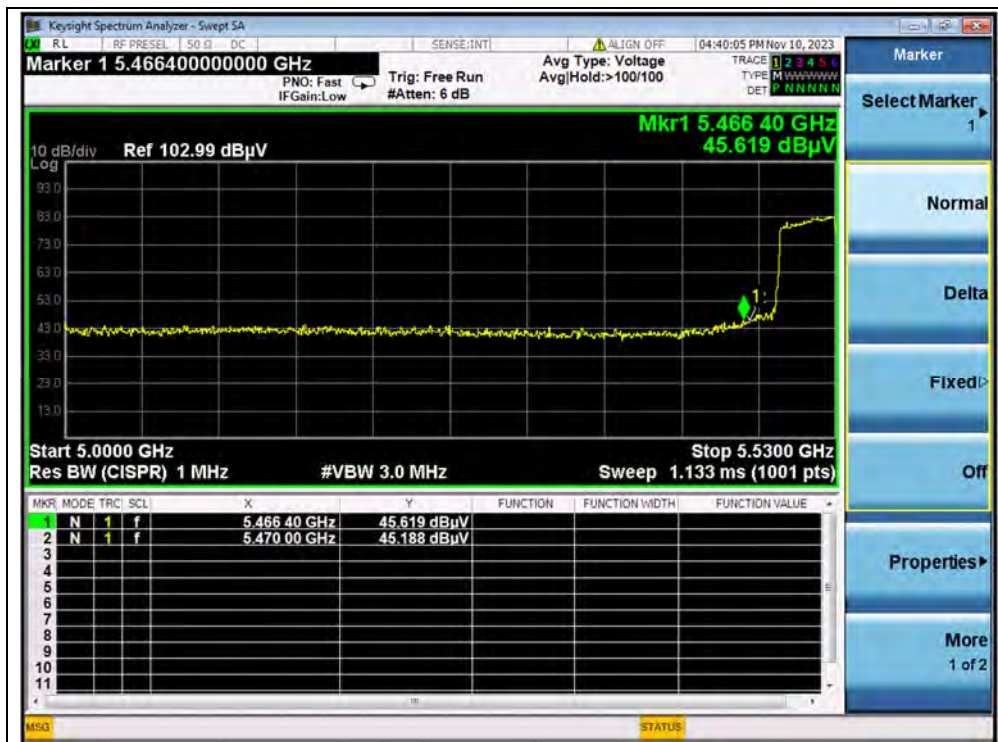
(AVERAGE, Channel 42, 802.11ac (VHT80))



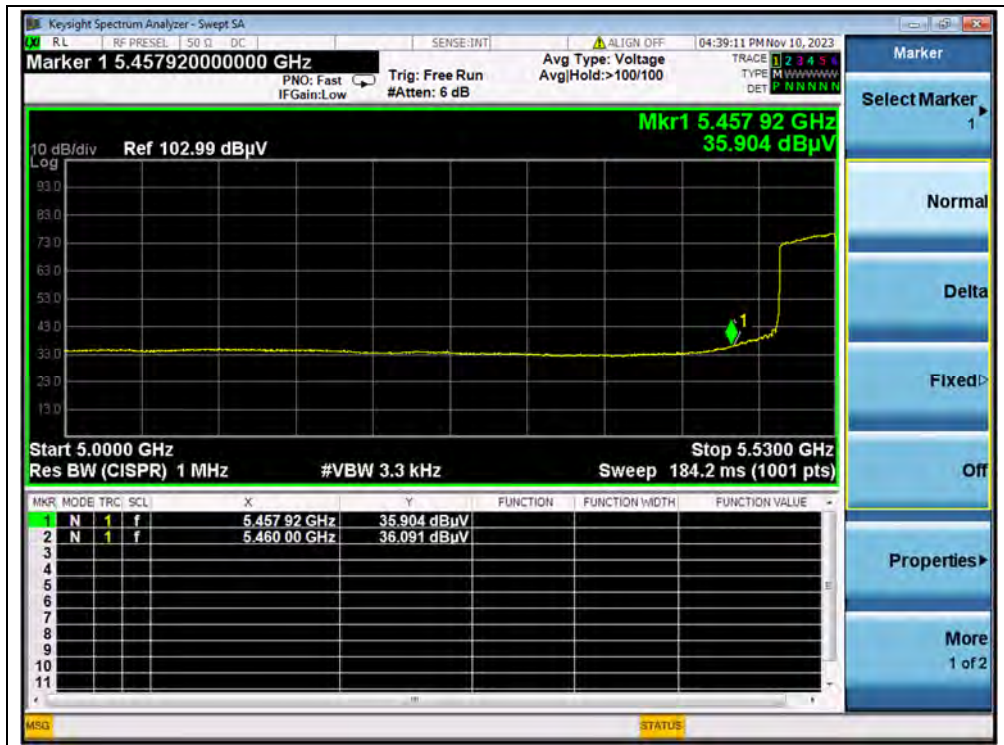
(PEAK, Channel 58, 802.11ac (VHT80))



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



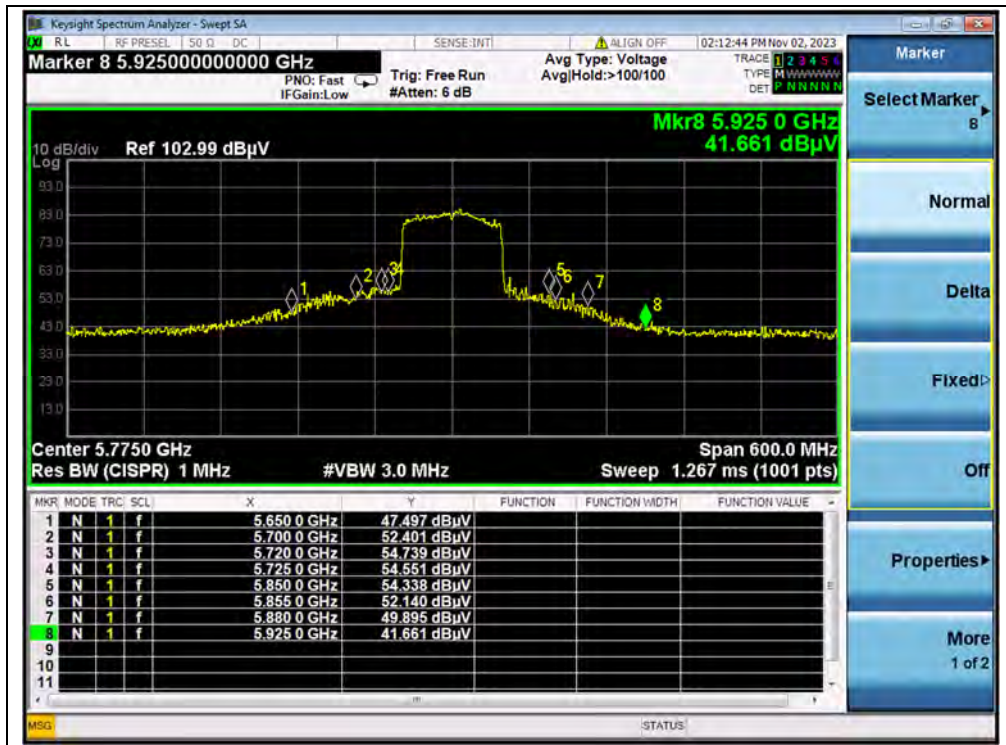
(PEAK, Channel 106, 802.11ac (VHT80))



(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, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

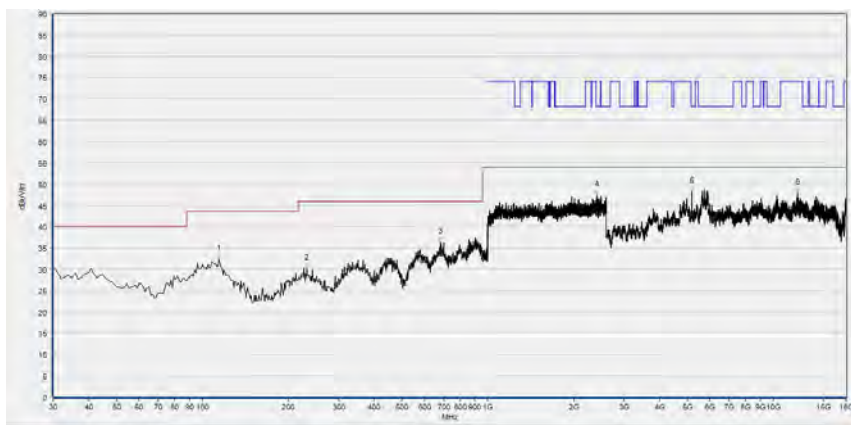
**Note 4:** All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.





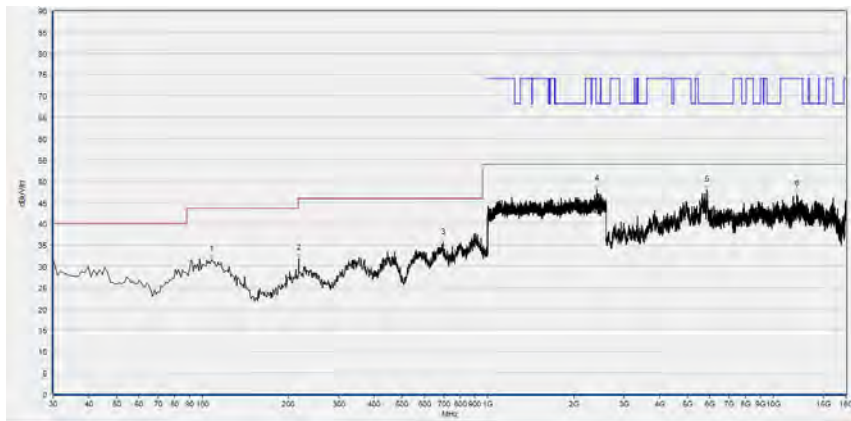
802.11a Mode

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
114.390	32.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
232.730	30.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
682.810	36.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2411.733	47.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5181.040	48.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12148.000	47.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

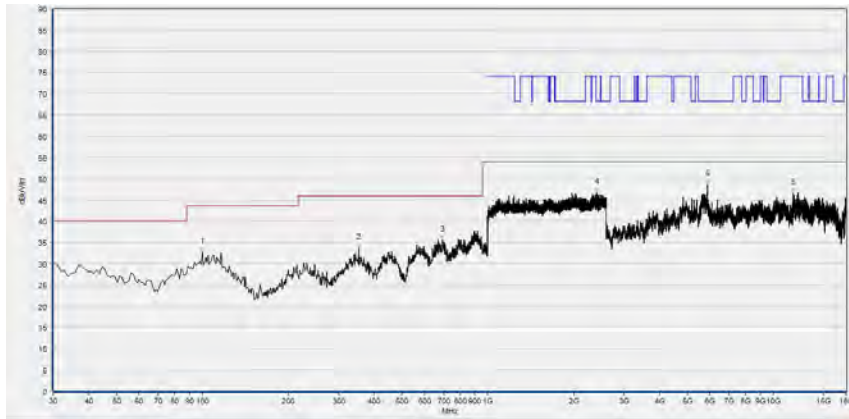
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
107.600	31.58	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
217.210	31.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
696.390	35.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2408.000	48.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5864.800	47.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12095.640	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

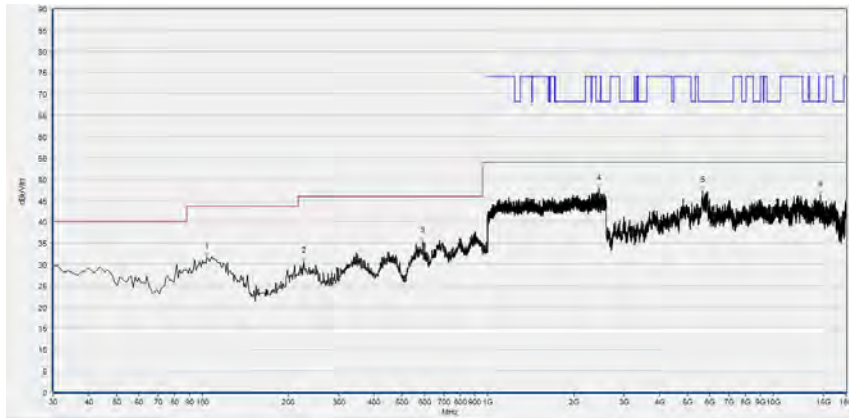
(Antenna Vertical, 30MHz to 18GHz)

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
99.840	32.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
353.010	33.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
693.480	35.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2408.533	46.71	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5874.040	48.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11732.200	46.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

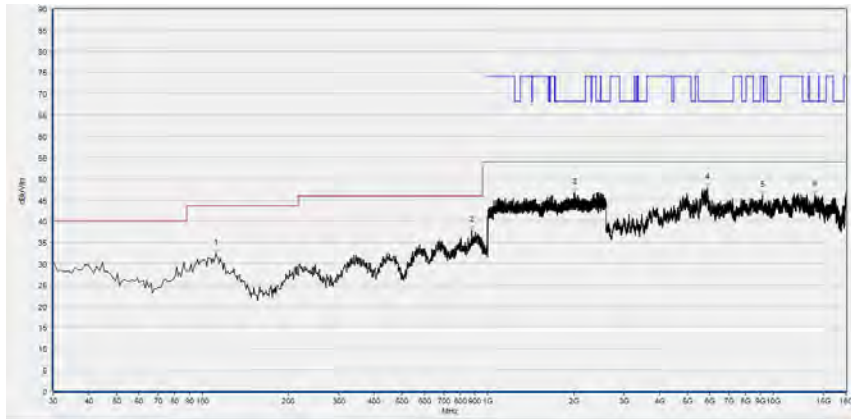
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
103.720	31.67	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
226.910	30.65	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
591.630	35.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2447.467	47.70	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5646.120	47.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14621.240	46.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

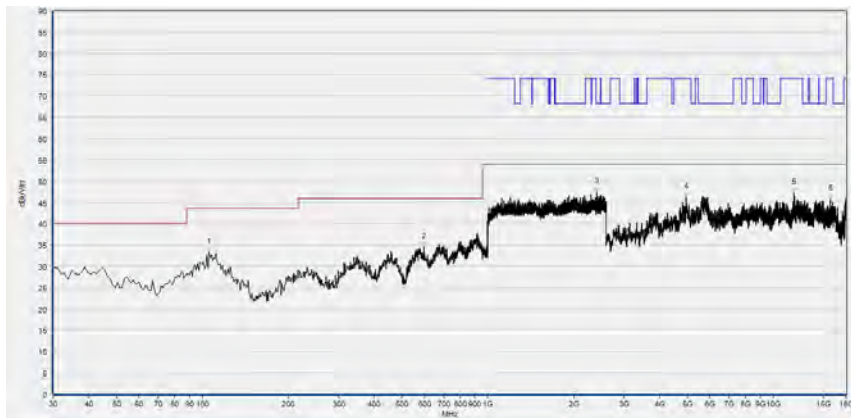
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
111.480	32.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
877.780	37.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2010.667	46.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5870.960	47.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9194.280	46.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13934.400	46.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

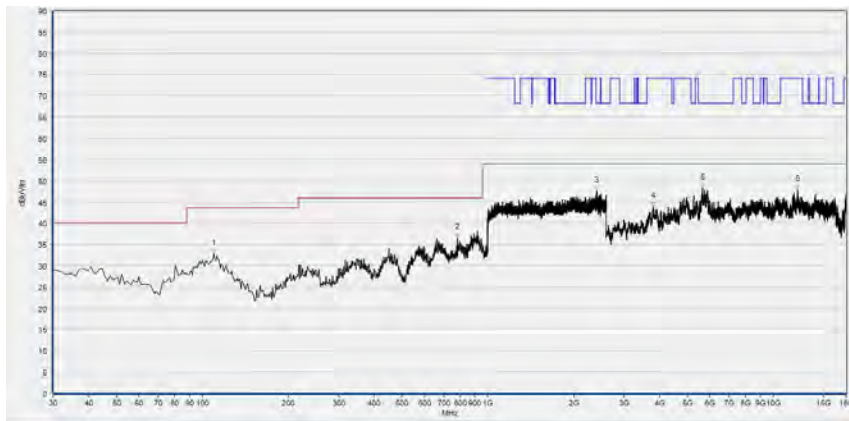
(Antenna Horizontal, 30MHz to 18GHz)



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
105.660	33.43	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
597.450	34.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2409.600	47.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4940.800	46.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11827.680	47.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15865.560	45.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

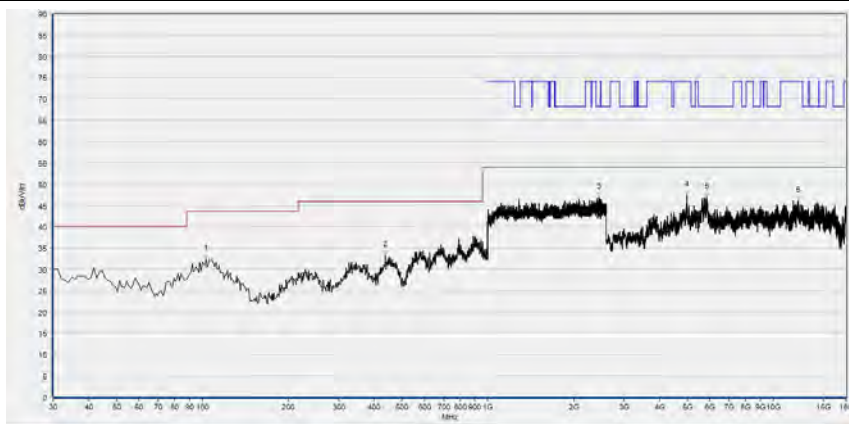
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.82	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
783.690	36.57	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2406.400	47.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3798.120	43.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5652.280	48.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12163.400	47.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

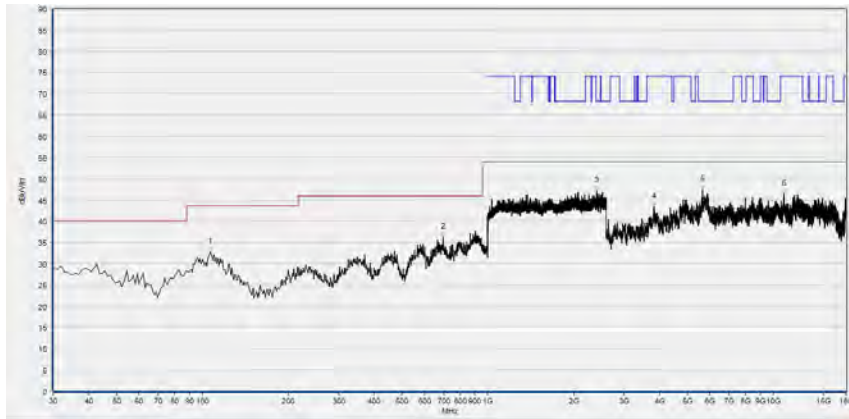
(Antenna Horizontal, 30MHz to 18GHz)



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	32.27	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
436.430	33.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2446.933	46.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4965.440	47.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5864.800	46.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12209.600	46.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

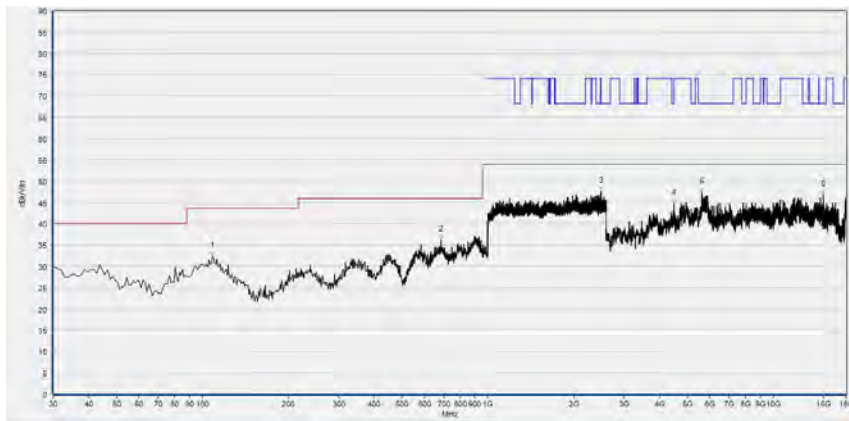
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	32.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
696.390	36.22	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2409.600	47.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3825.840	43.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5664.600	47.51	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10912.920	46.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

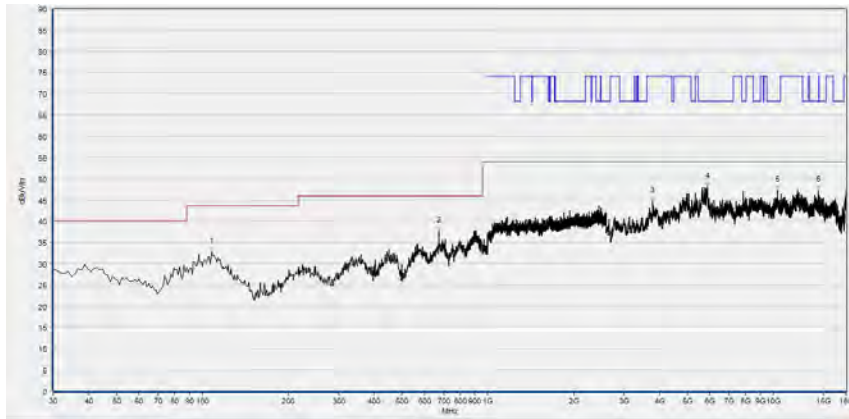
(Antenna Horizontal, 30MHz to 18GHz)



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
108.570	32.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
684.750	36.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2488.533	47.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4484.960	44.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5621.480	47.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
15003.160	46.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

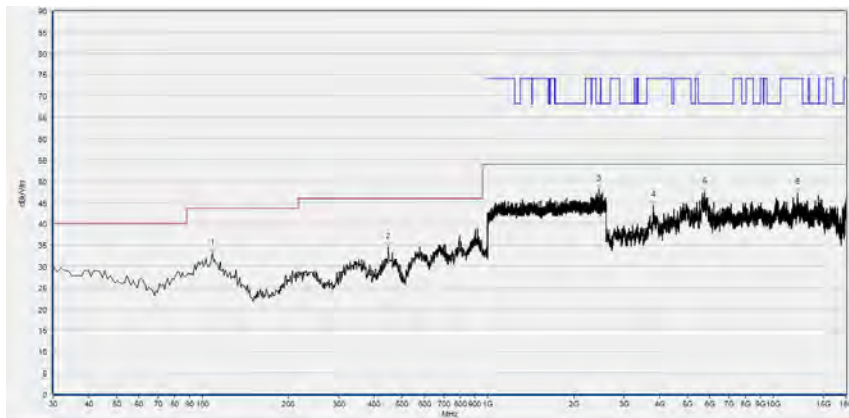
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	32.61	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
673.110	37.65	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3785.800	44.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5870.960	48.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10349.280	47.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14405.640	47.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

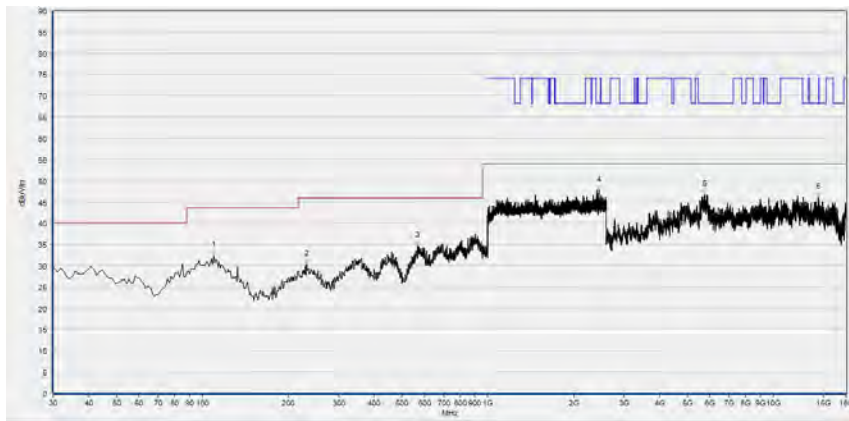
(Antenna Horizontal, 30MHz to 18GHz)



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	32.97	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
448.070	34.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2456.533	48.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3795.040	44.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5757.000	47.47	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12160.320	47.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

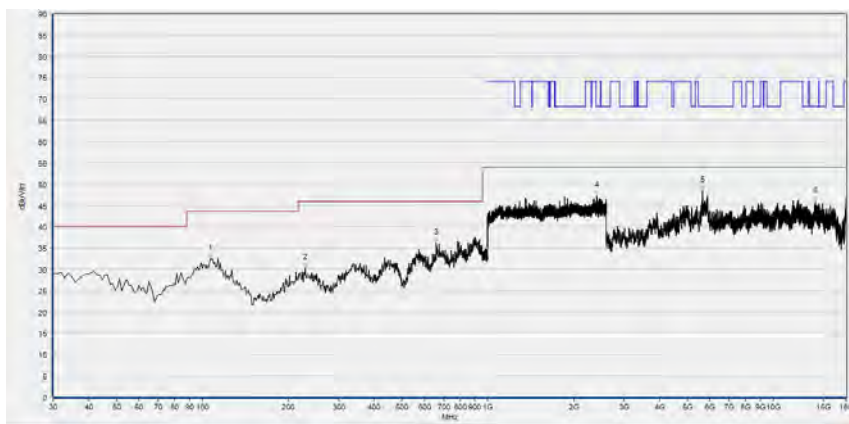
(Antenna Vertical, 30MHz to 18GHz)

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	32.26	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
231.760	30.38	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
568.350	34.72	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2452.800	47.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5766.240	46.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14411.800	46.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

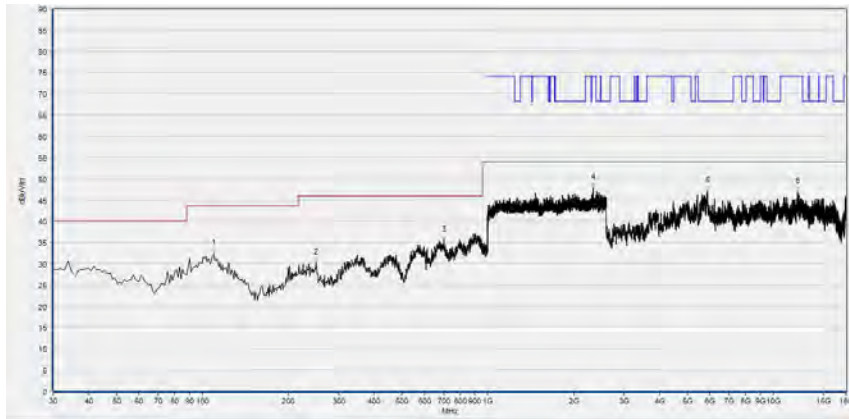
(Antenna Horizontal, 30MHz to 18GHz)



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	32.37	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.850	30.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
660.500	36.26	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2412.800	47.25	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5646.120	48.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14063.760	45.92	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

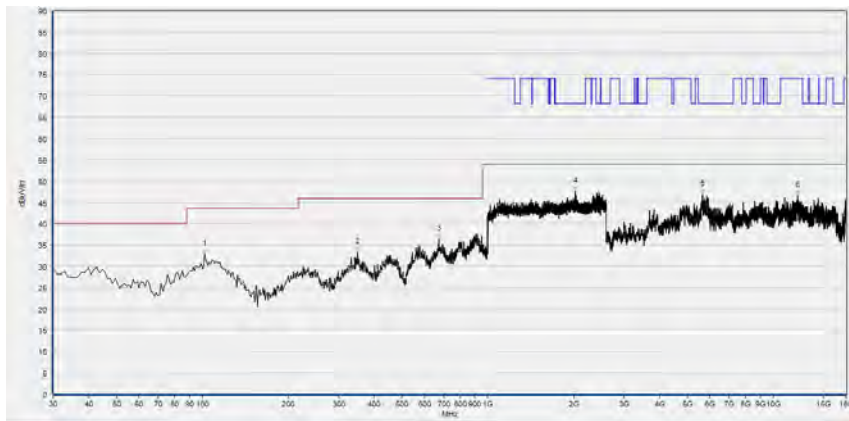
(Antenna Vertical, 30MHz to 18GHz)

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	32.39	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
250.190	30.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
702.210	35.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2340.800	48.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5880.200	47.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12157.240	46.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

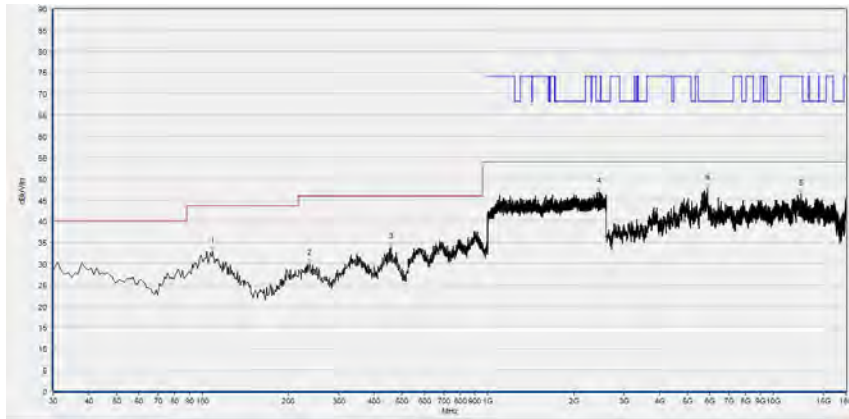


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.780	32.80	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
350.100	33.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
674.080	36.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2028.267	47.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5639.960	46.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12166.480	46.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

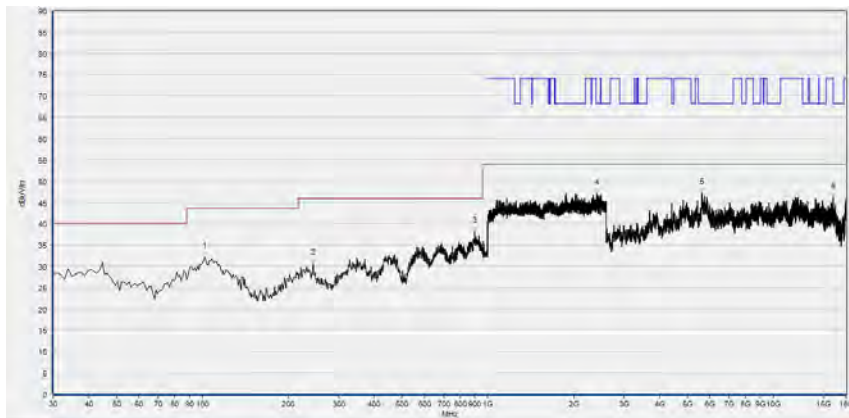


Plot for Channel 144



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
108.570	32.85	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
237.580	30.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
457.770	33.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2457.067	46.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5880.200	47.71	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12523.760	46.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

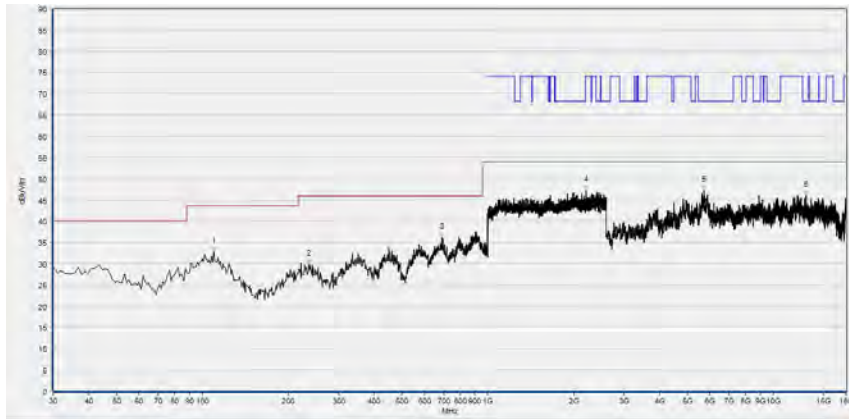
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.780	32.25	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
244.370	30.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.120	38.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2408.533	47.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5609.160	47.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16207.440	46.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

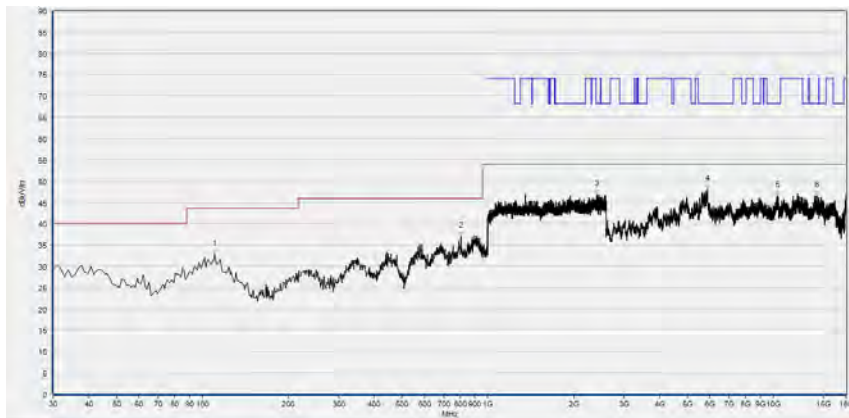
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.90	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
235.640	29.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
691.540	36.20	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2211.733	47.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5732.360	47.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13038.120	46.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

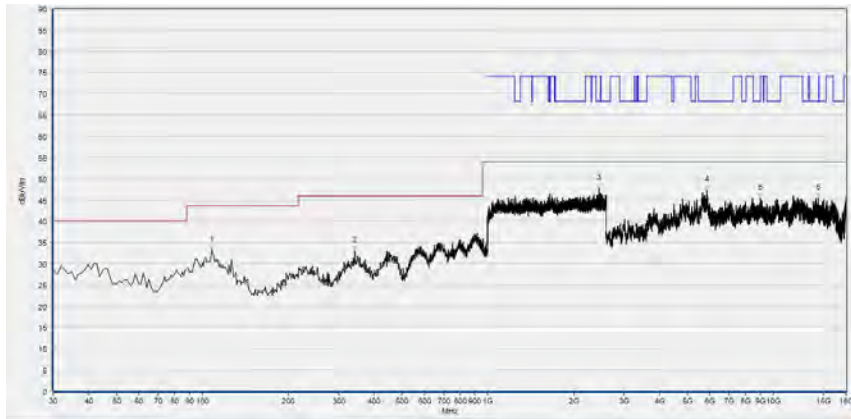
(Antenna Horizontal, 30MHz to 18GHz)



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	32.84	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
806.970	37.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2413.333	46.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5877.120	48.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10355.440	46.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14196.200	46.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

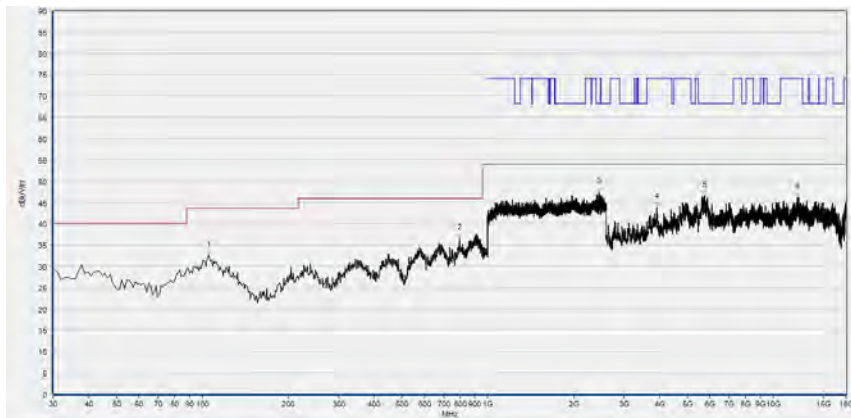
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	33.26	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
342.340	32.97	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2451.733	47.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5846.320	47.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8994.080	45.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14402.560	45.38	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

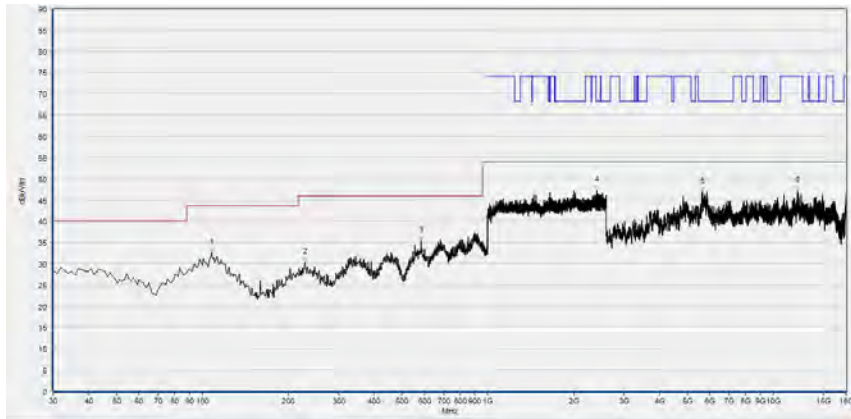
(Antenna Horizontal, 30MHz to 18GHz)



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
105.660	32.54	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
794.360	36.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2456.000	47.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3899.760	43.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5747.760	46.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12172.640	46.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

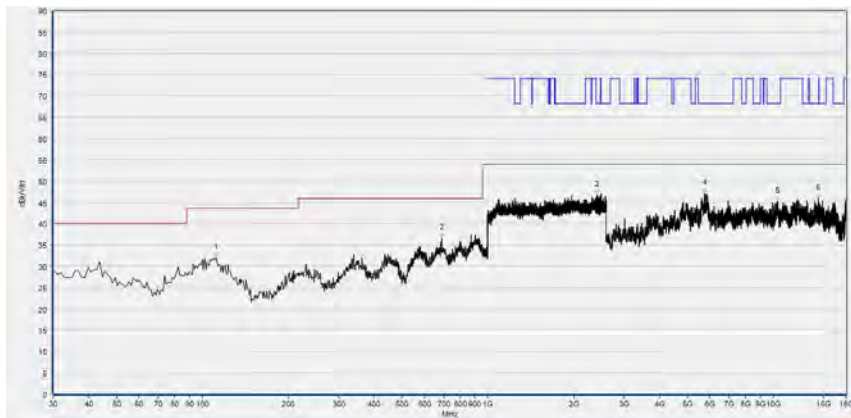
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	32.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
228.850	30.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
582.900	35.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2412.800	47.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5643.040	46.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12163.400	47.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



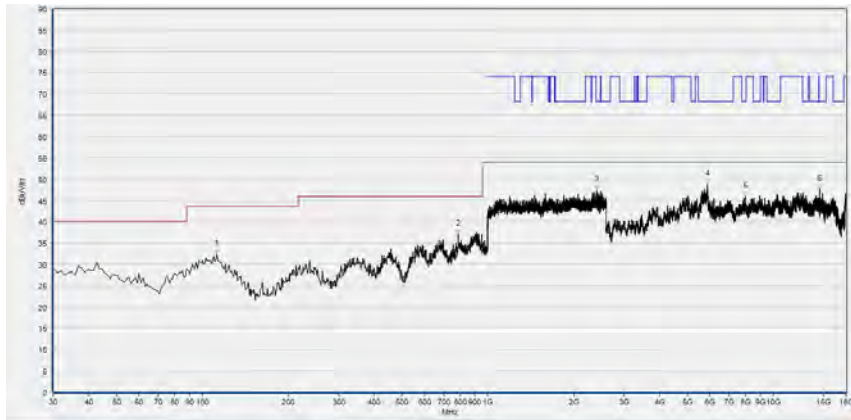
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.480	32.07	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
688.630	36.47	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2404.800	46.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5753.920	47.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10333.880	45.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14408.720	45.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



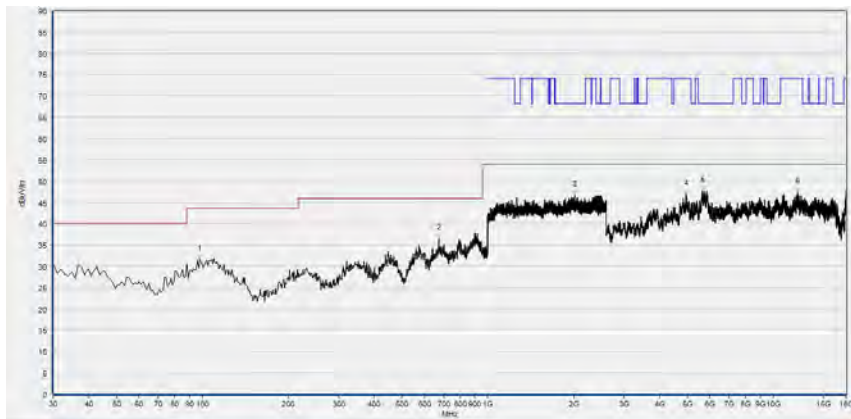
**802.11n (HT40) mode**

**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
112.450	32.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
788.540	37.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2405.333	47.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5870.960	48.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7980.760	45.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14581.200	47.62	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

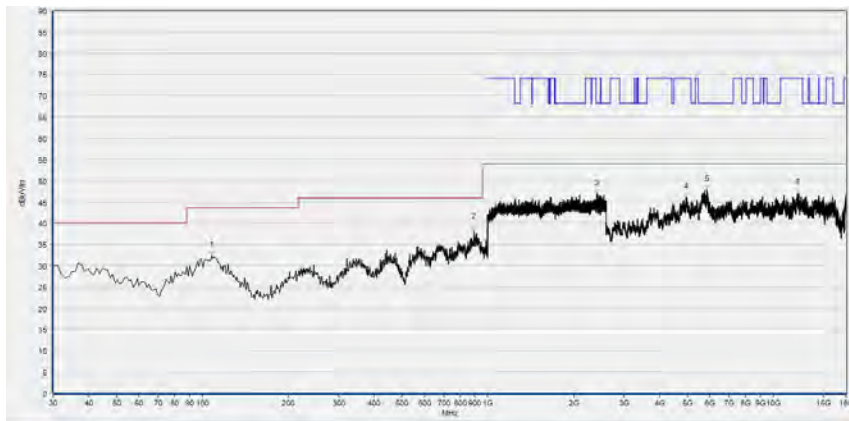
(Antenna Horizontal, 30MHz to 18GHz)



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	31.71	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
672.140	36.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2010.667	46.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4950.040	46.90	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5667.680	47.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12194.200	47.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

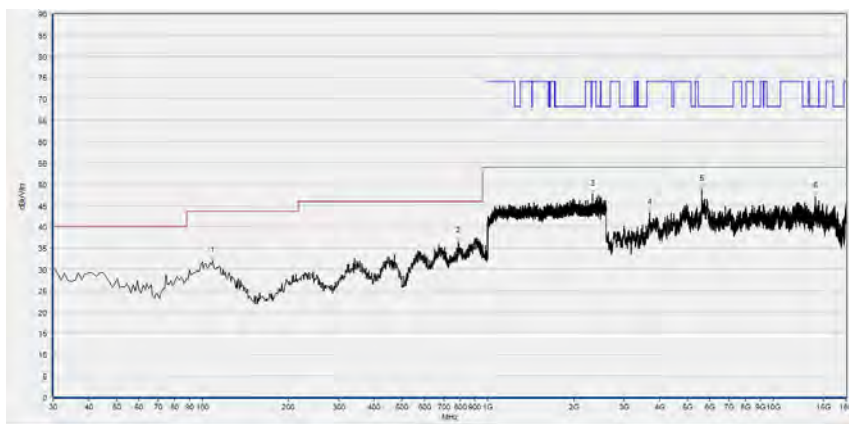
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	32.40	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
893.300	37.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2405.867	46.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4950.040	46.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5852.480	47.98	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12151.080	47.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

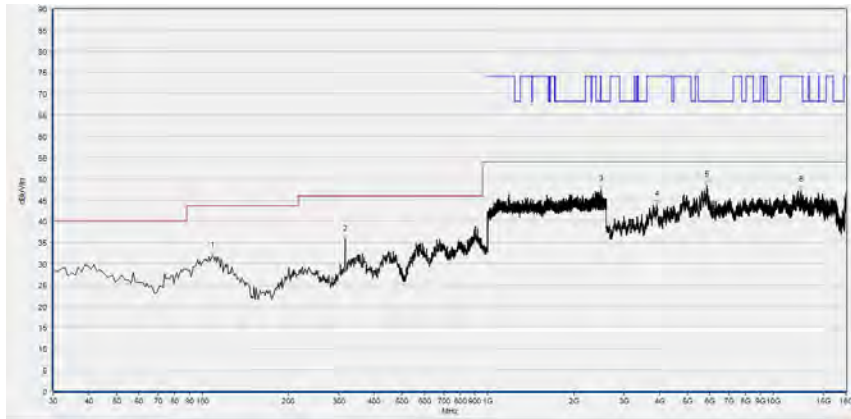
(Antenna Horizontal, 30MHz to 18GHz)



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
108.570	31.98	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
786.600	36.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2325.333	47.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3699.560	43.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5630.720	48.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14069.920	47.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

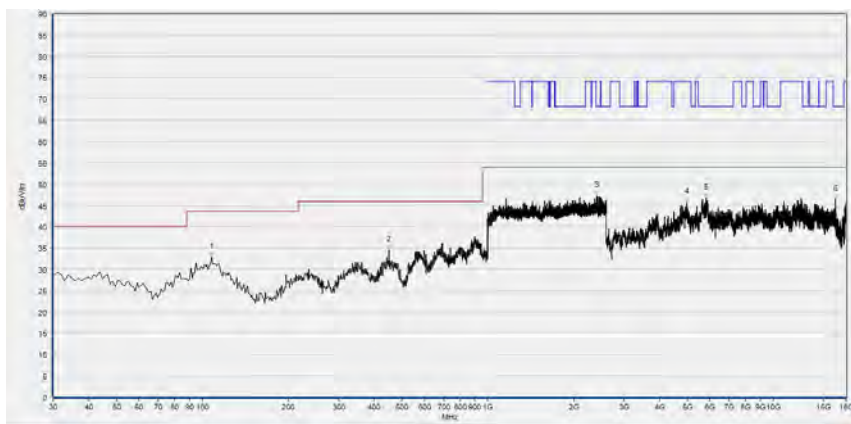
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	31.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
316.150	35.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2489.600	47.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3899.760	43.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5858.640	48.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12529.920	47.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

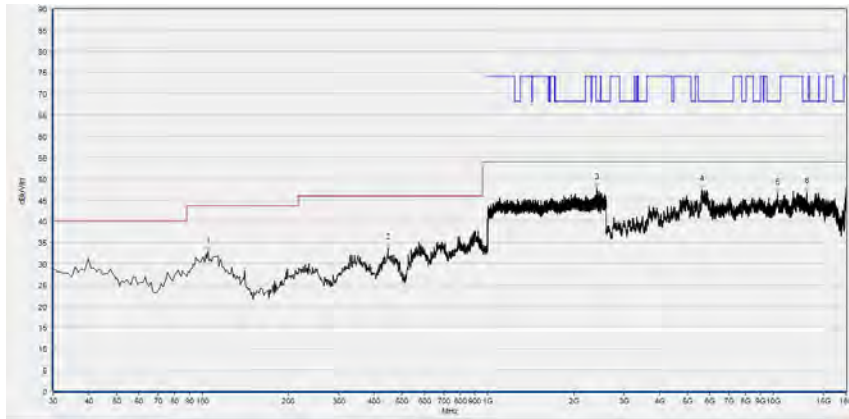
(Antenna Horizontal, 30MHz to 18GHz)



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
107.600	32.79	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
450.010	34.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2406.933	47.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4965.440	45.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5821.680	46.80	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16540.080	46.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

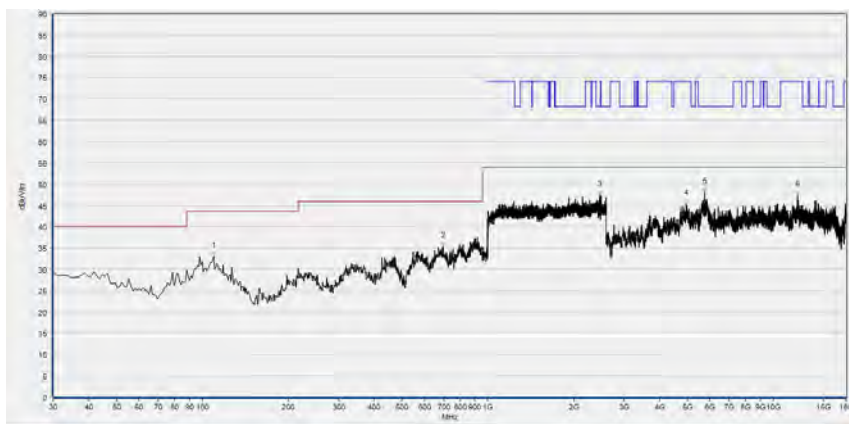
(Antenna Vertical, 30MHz to 18GHz)

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	32.88	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
447.100	33.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2405.867	47.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5618.400	47.45	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10355.440	46.66	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13090.480	46.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

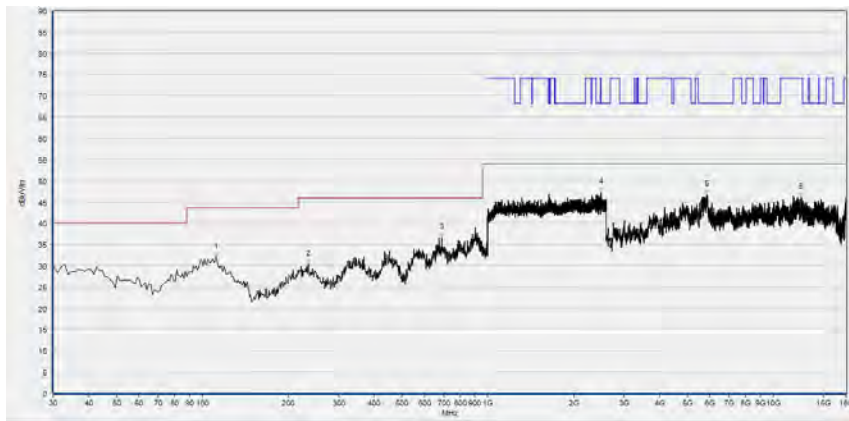


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.99	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
698.330	35.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2461.333	47.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4962.360	45.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5757.000	48.11	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12148.000	47.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

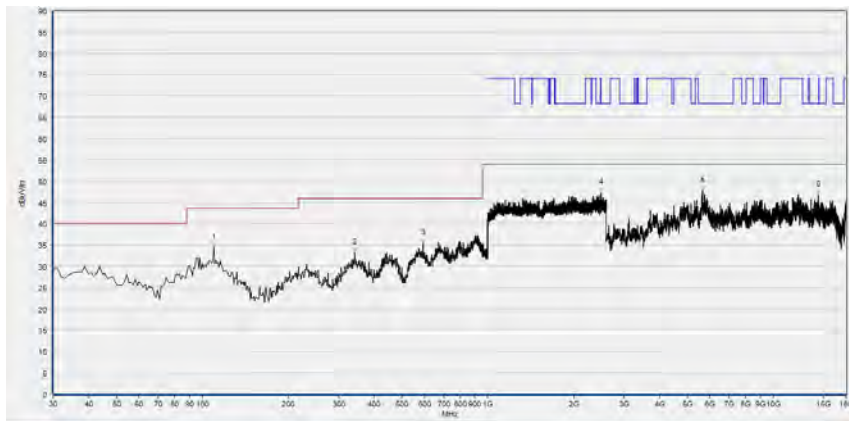


Plot for Channel 102



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
111.480	32.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
234.670	30.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
689.600	36.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2494.400	47.29	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5855.560	46.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12520.680	46.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

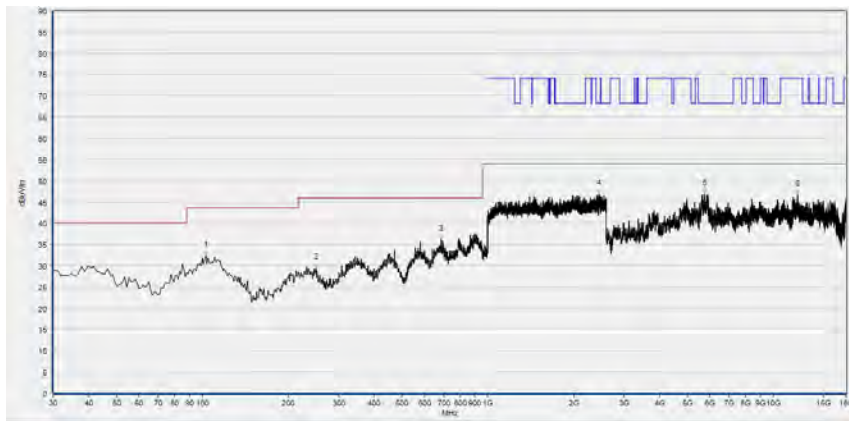
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	34.37	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
342.340	33.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
592.600	35.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2491.733	47.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5649.200	47.81	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14402.560	46.76	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

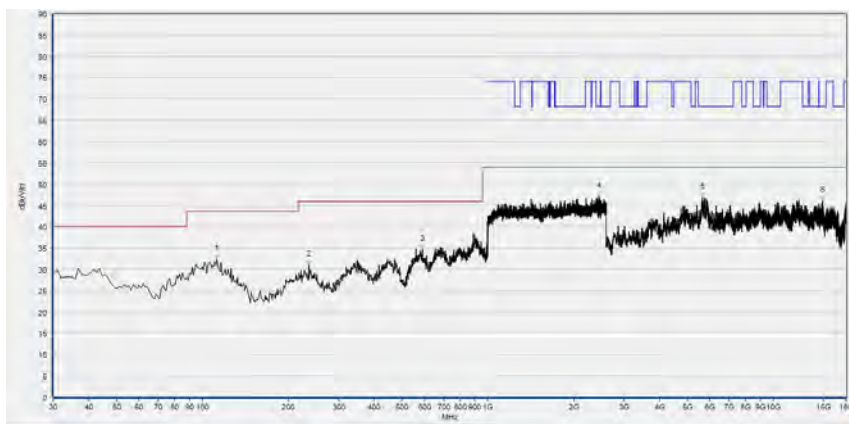
(Antenna Vertical, 30MHz to 18GHz)

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
102.750	32.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
250.190	29.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
684.750	36.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2457.067	46.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5763.160	46.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12181.880	46.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

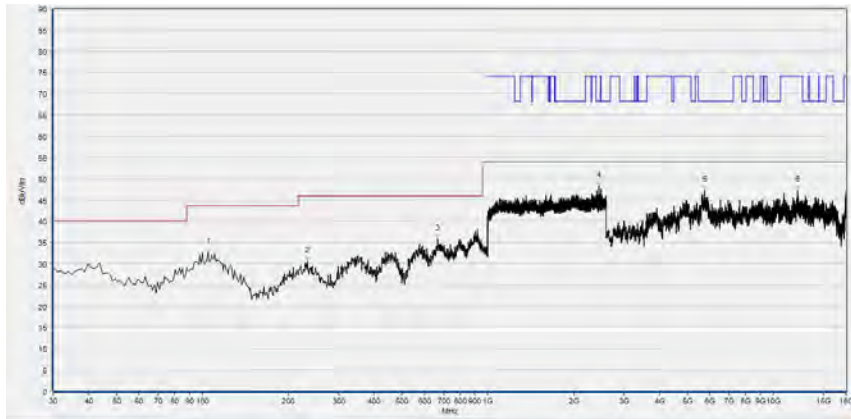
(Antenna Horizontal, 30MHz to 18GHz)



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
112.450	32.39	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
235.640	31.05	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
589.690	34.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2454.400	47.11	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5646.120	46.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14867.640	46.14	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

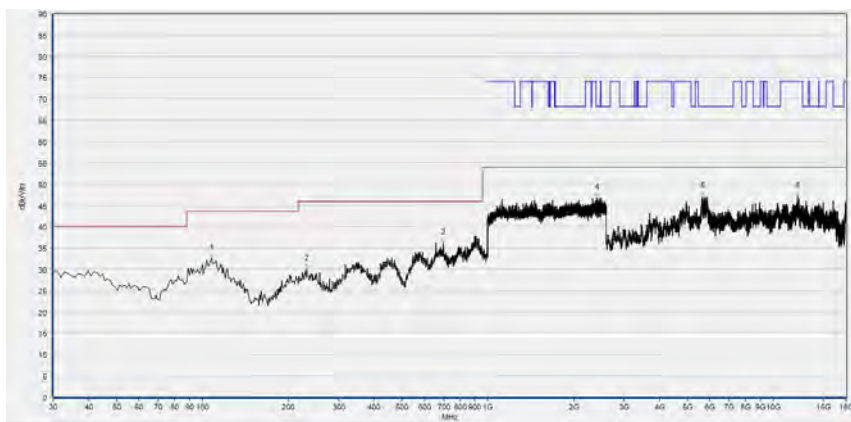
(Antenna Vertical, 30MHz to 18GHz)

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	32.70	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
233.700	30.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
667.290	35.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.067	48.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5750.840	47.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12138.760	47.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

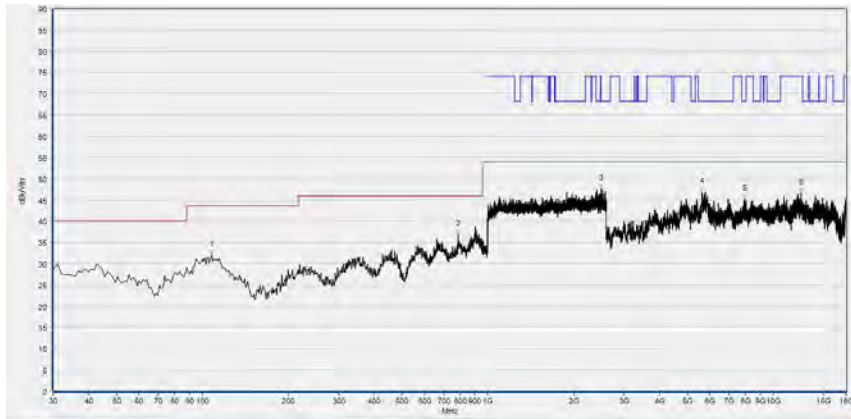
(Antenna Horizontal, 30MHz to 18GHz)



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	32.48	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
232.730	30.00	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
699.300	36.25	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2404.267	46.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5661.520	47.16	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12163.400	47.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

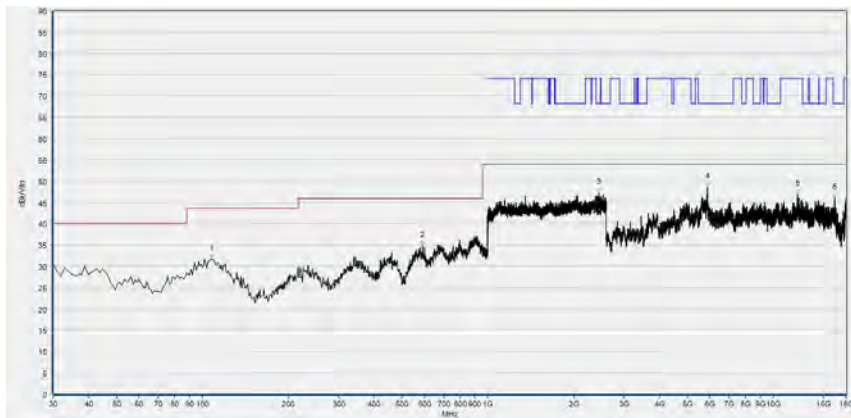
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	32.03	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
788.540	36.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2498.133	47.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5633.800	47.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7943.800	45.28	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12508.360	46.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

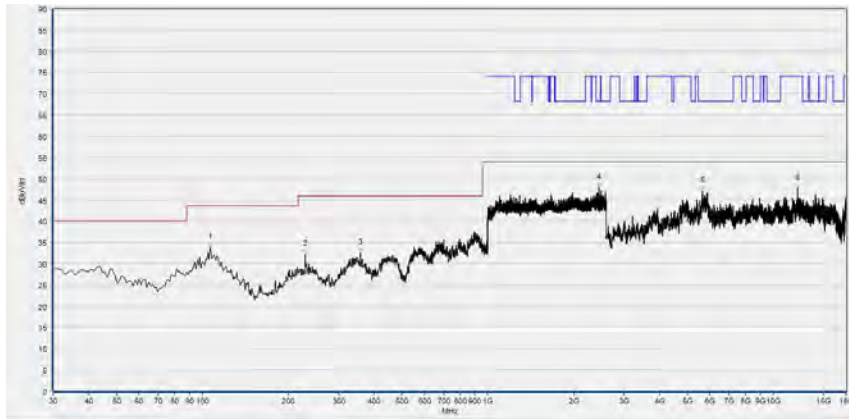
(Antenna Horizontal, 30MHz to 18GHz)



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	31.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
591.630	34.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2448.533	47.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5880.200	48.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12194.200	46.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16419.960	46.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

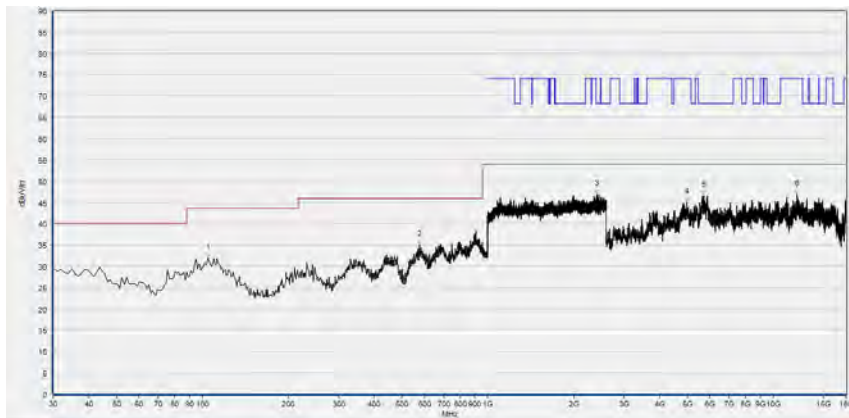
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	33.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
228.850	32.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
357.860	32.57	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2452.800	47.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5636.880	47.13	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12144.920	47.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



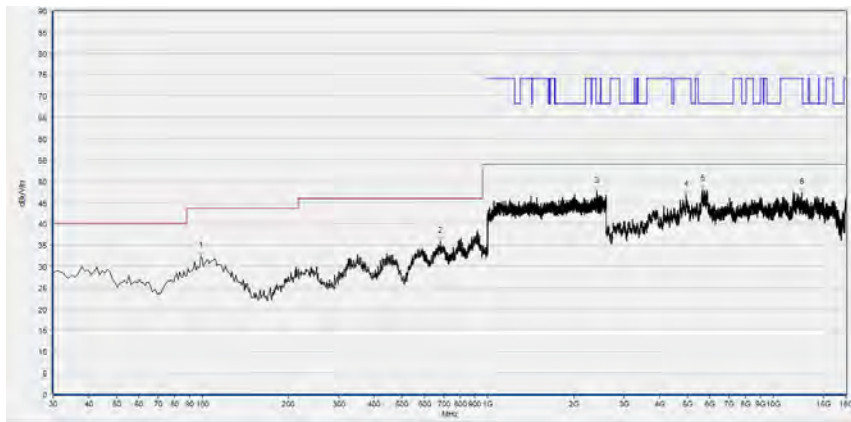
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	32.01	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.080	35.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2412.800	46.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4968.520	45.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5726.200	46.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12126.440	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



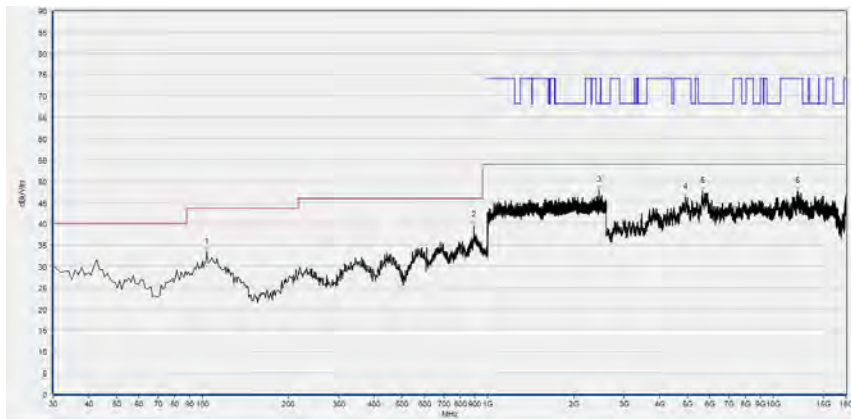
**802.11ac (VHT80) Mode**

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
98.870	32.42	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
680.870	35.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2406.933	47.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4950.040	46.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5643.040	48.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12557.640	47.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

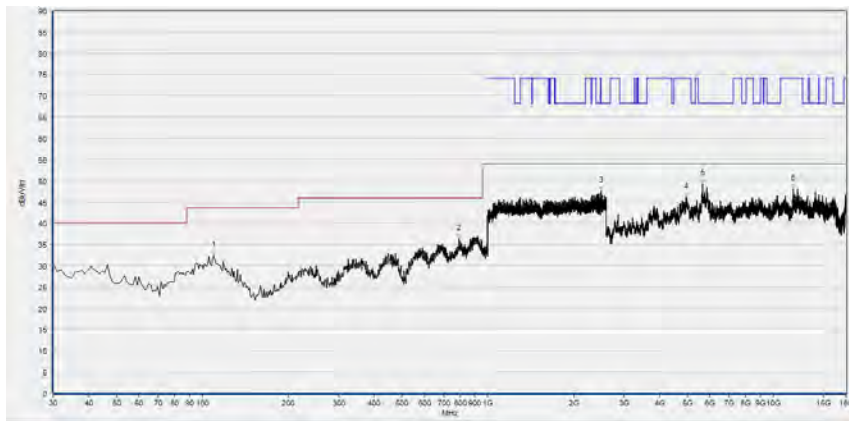
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
103.720	33.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
893.300	39.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2453.333	47.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4934.640	46.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5655.360	47.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12160.320	47.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

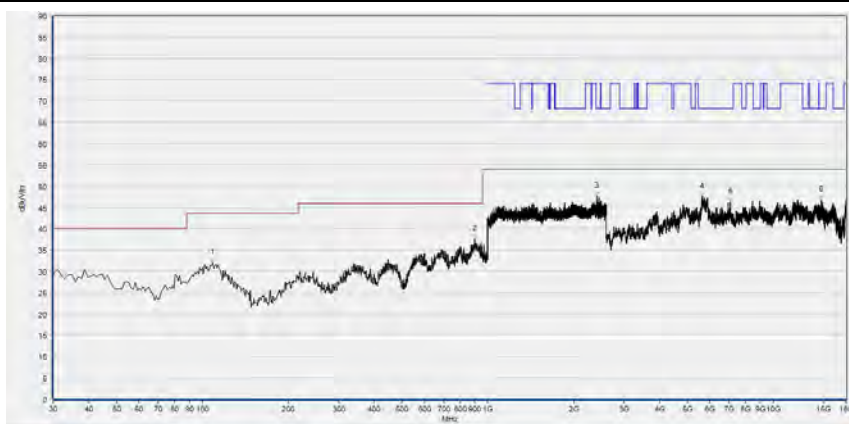
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
792.420	36.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2491.733	47.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4940.800	46.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5639.960	49.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11753.760	48.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

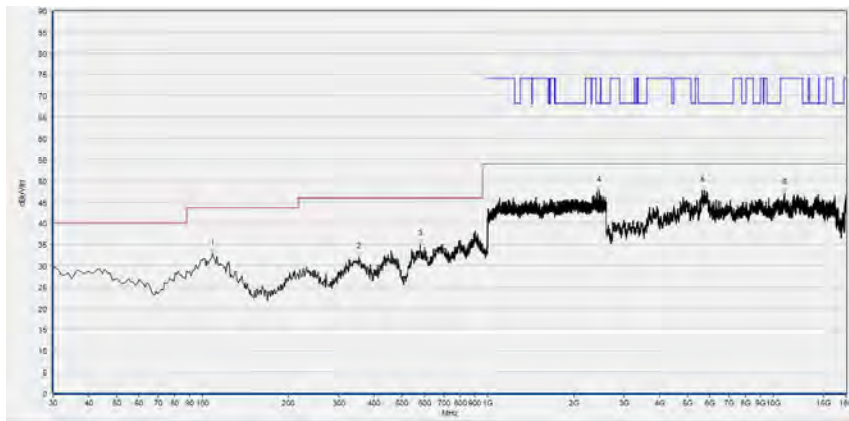
(Antenna Horizontal, 30MHz to 18GHz)



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
108.570	32.02	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
900.090	37.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2412.267	47.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5618.400	47.45	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7066.000	46.33	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14689.000	46.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

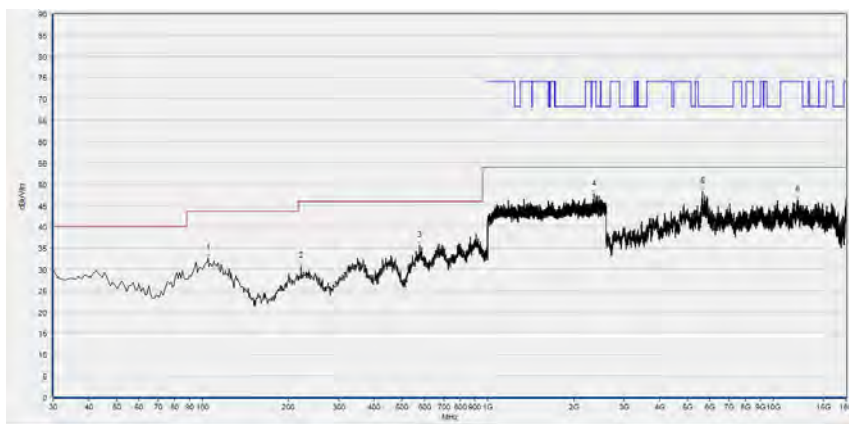
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	32.85	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
353.980	32.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
579.020	35.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.600	47.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5646.120	47.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10986.840	47.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

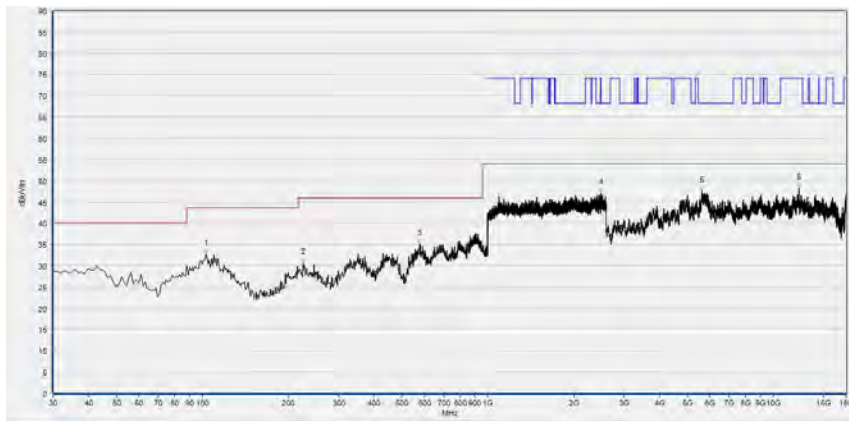


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	32.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
221.090	30.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
577.080	35.54	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2352.000	47.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5646.120	48.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12141.840	46.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

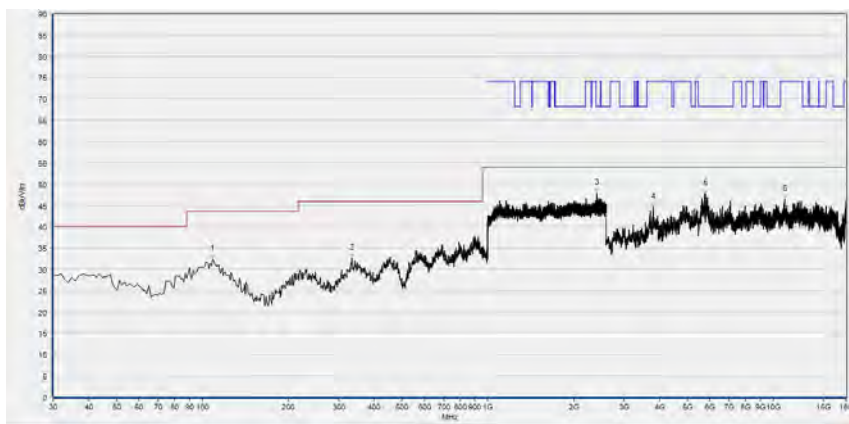


Plot for Channel 122



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
102.750	32.68	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.970	30.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
578.050	34.97	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2493.867	47.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5633.800	47.62	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12302.000	48.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

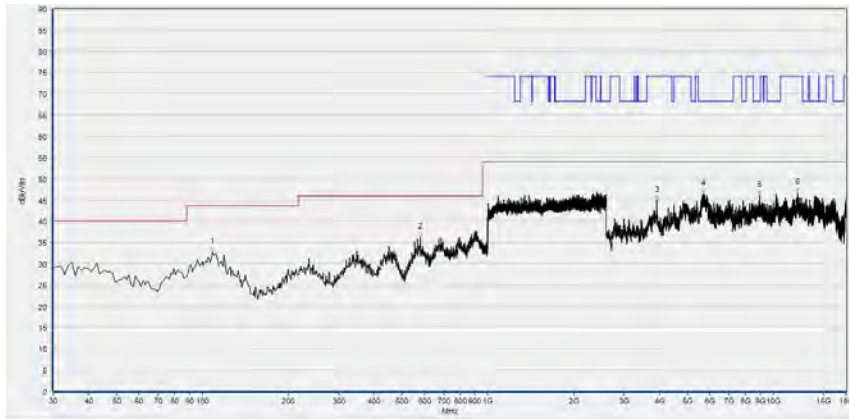
(Antenna Horizontal, 30MHz to 18GHz)



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
108.570	32.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
334.580	32.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2406.933	47.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3807.360	44.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5772.400	47.81	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10934.480	46.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

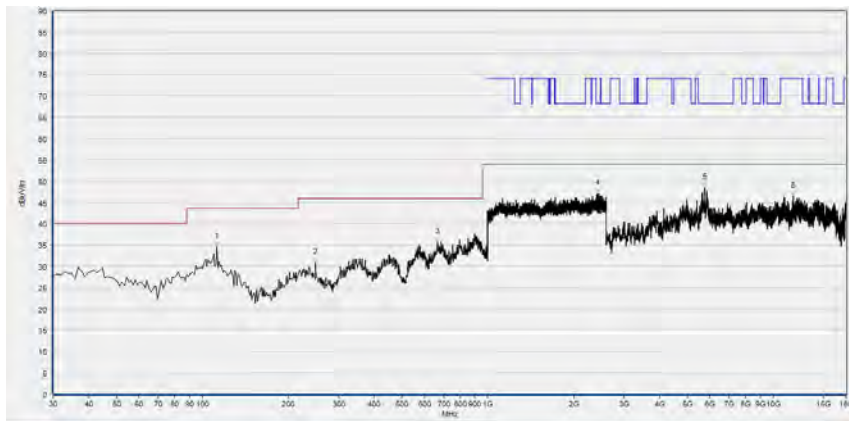
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	32.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
579.990	36.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3909.000	44.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5676.920	46.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8950.960	46.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12188.040	46.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

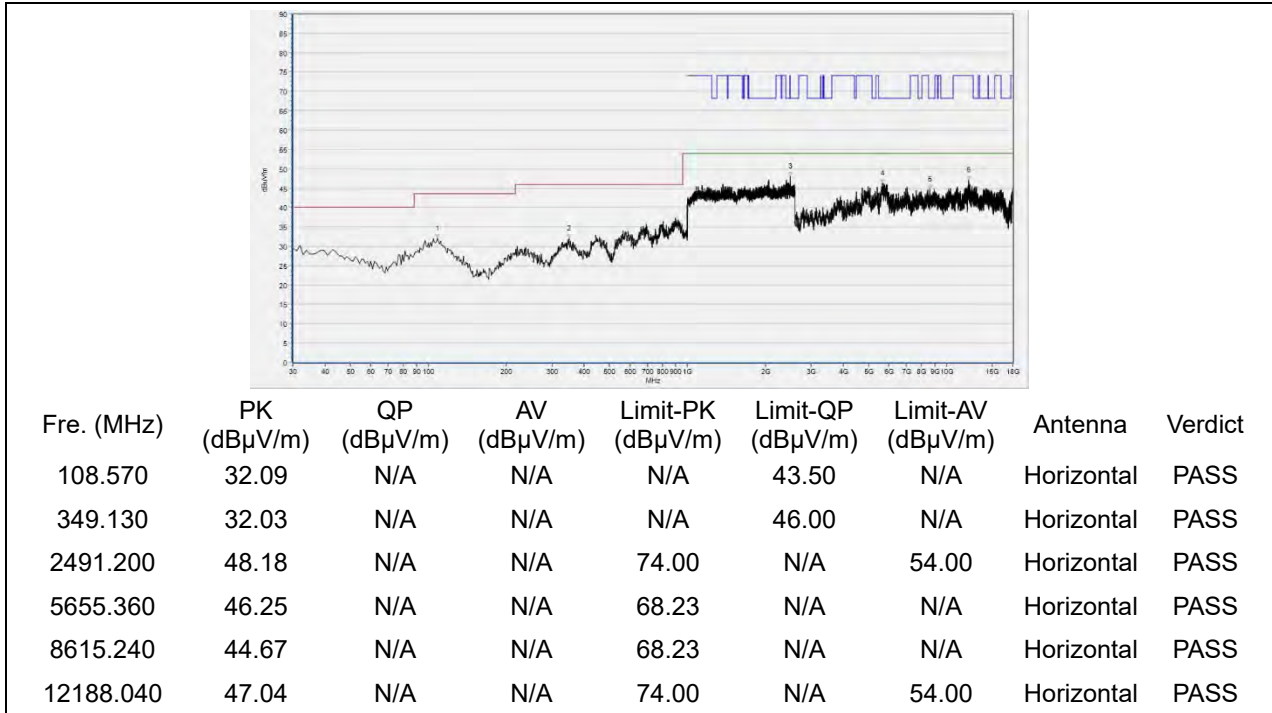


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
112.450	34.46	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
249.220	30.77	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
665.350	35.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2422.933	47.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5766.240	48.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11750.680	46.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

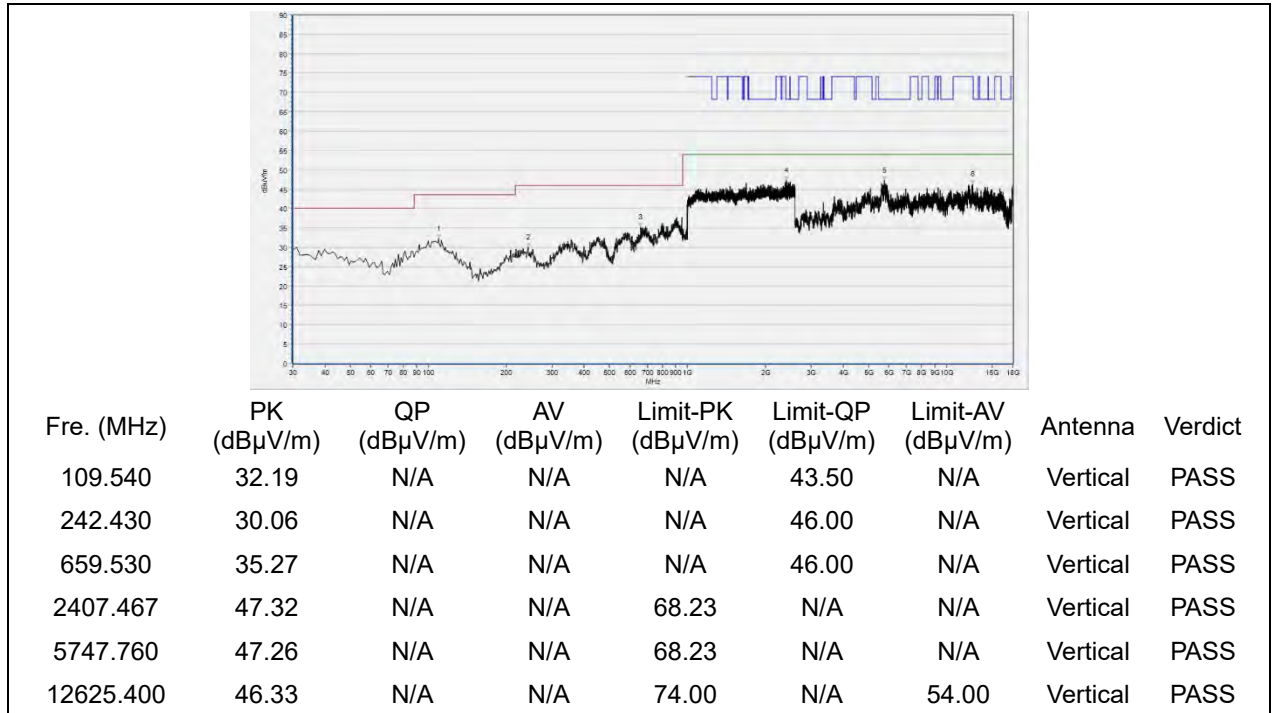
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 155



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT