

PSD NVNT ac20 5240MHz Ant1 MIMO



PSD NVNT ac20 5240MHz Ant2 MIMO



PSD NVNT ac20 5260MHz Ant1 MIMO



PSD NVNT ac20 5260MHz Ant2 MIMO



PSD NVNT ac20 5300MHz Ant1 MIMO



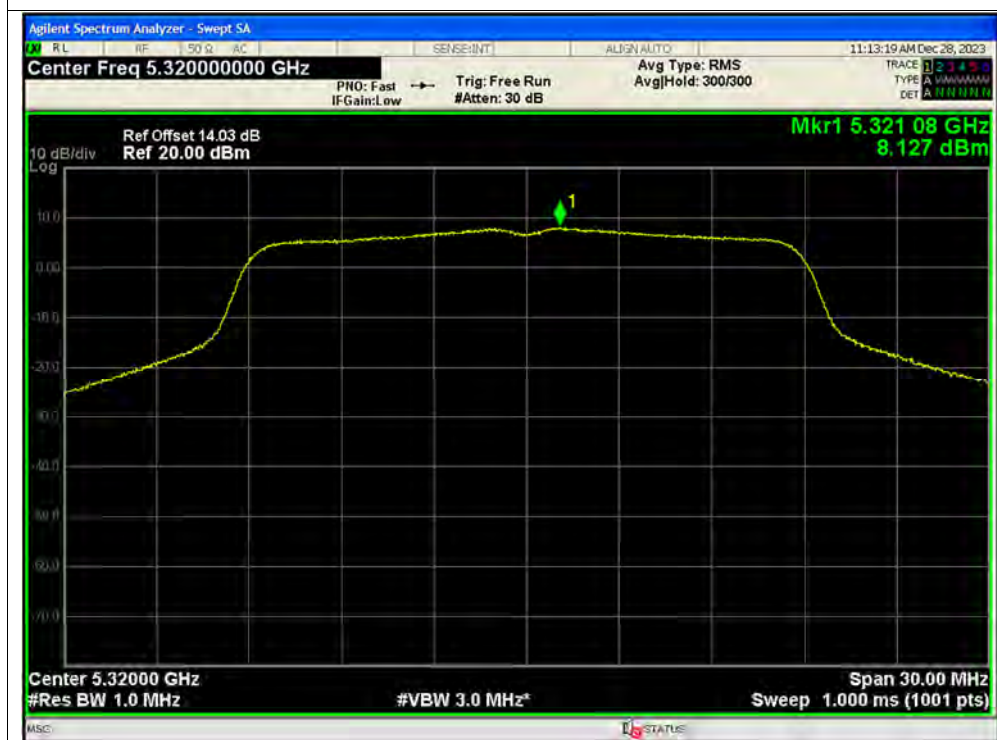
PSD NVNT ac20 5300MHz Ant2 MIMO



PSD NVNT ac20 5320MHz Ant1 MIMO



PSD NVNT ac20 5320MHz Ant2 MIMO



PSD NVNT ac20 5500MHz Ant1 MIMO



PSD NVNT ac20 5500MHz Ant2 MIMO



PSD NVNT ac20 5600MHz Ant1 MIMO



PSD NVNT ac20 5600MHz Ant2 MIMO



PSD NVNT ac20 5720MHz Ant1 MIMO



PSD NVNT ac20 5720MHz Ant2 MIMO



PSD NVNT ac20 5745MHz Ant1 MIMO



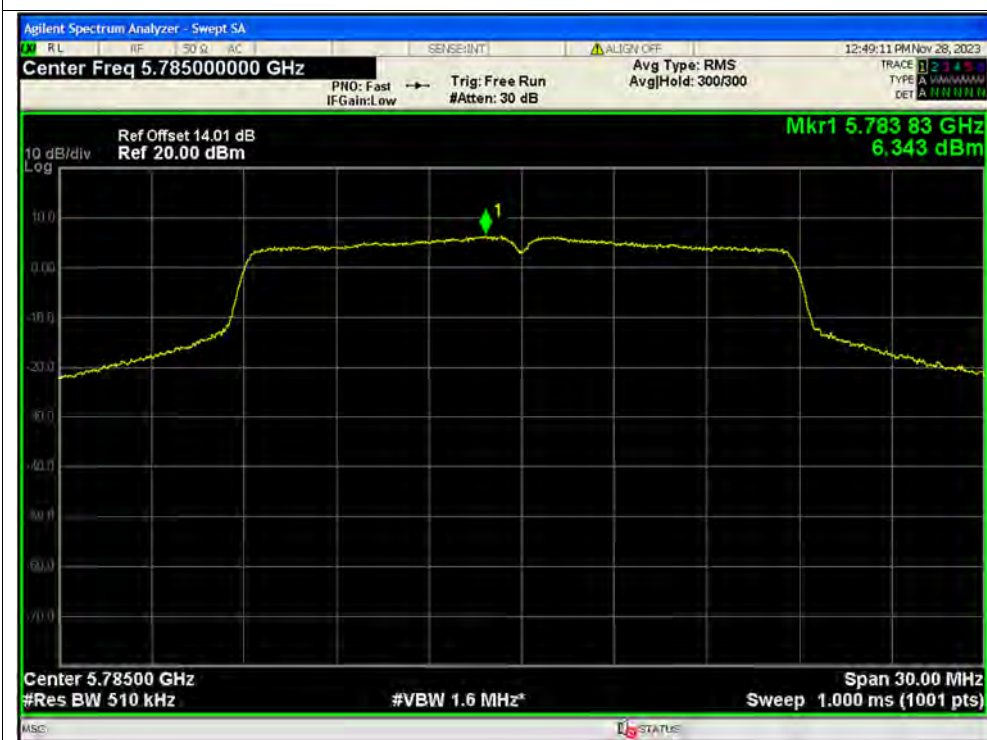
PSD NVNT ac20 5745MHz Ant2 MIMO



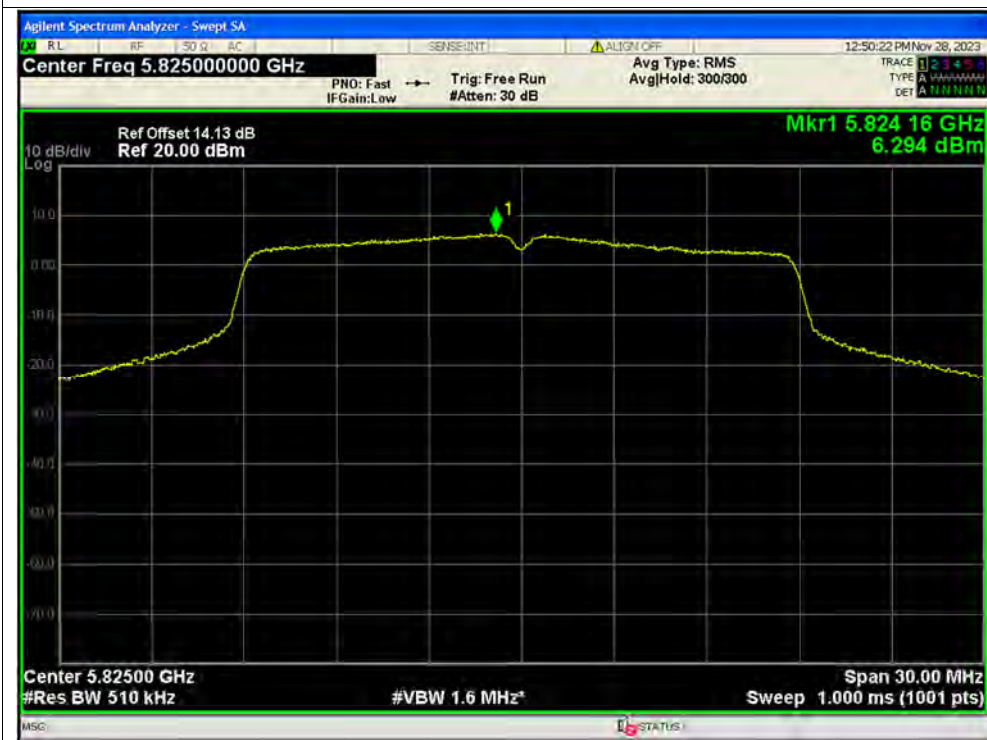
PSD NVNT ac20 5785MHz Ant1 MIMO



PSD NVNT ac20 5785MHz Ant2 MIMO



PSD NVNT ac20 5825MHz Ant1 MIMO



PSD NVNT ac20 5825MHz Ant2 MIMO



PSD NVNT ac40 5190MHz Ant1 SISO



PSD NVNT ac40 5230MHz Ant1 SISO





PSD NVNT ac40 5270MHz Ant1 SISO



PSD NVNT ac40 5310MHz Ant1 SISO



PSD NVNT ac40 5510MHz Ant1 SISO



PSD NVNT ac40 5630MHz Ant1 SISO



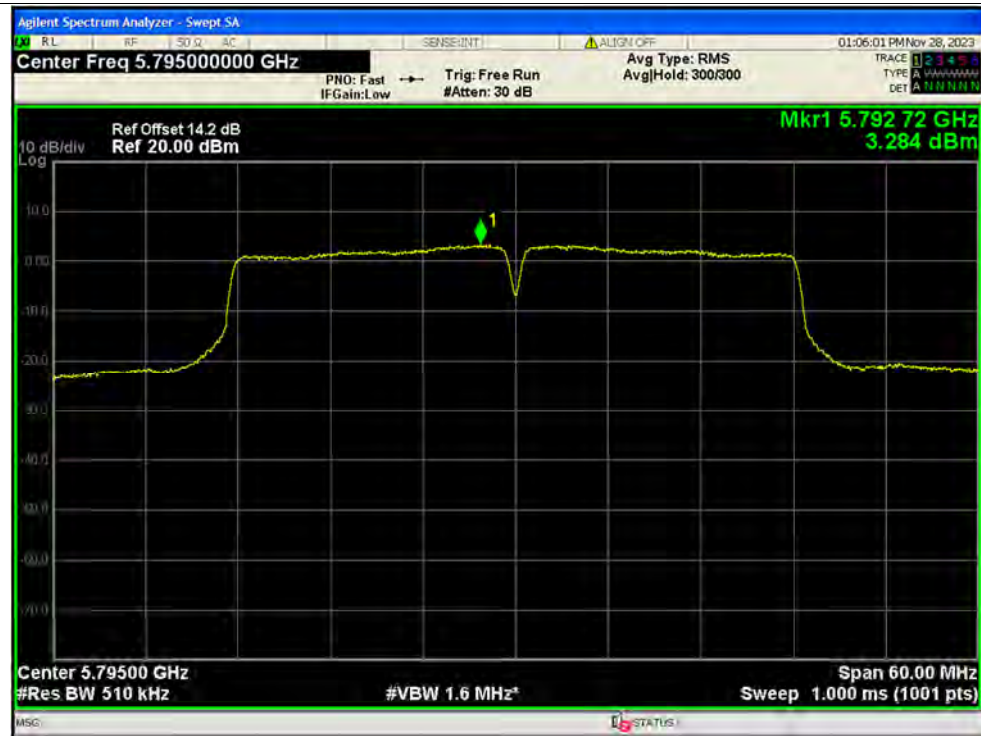
PSD NVNT ac40 5710MHz Ant1 SISO



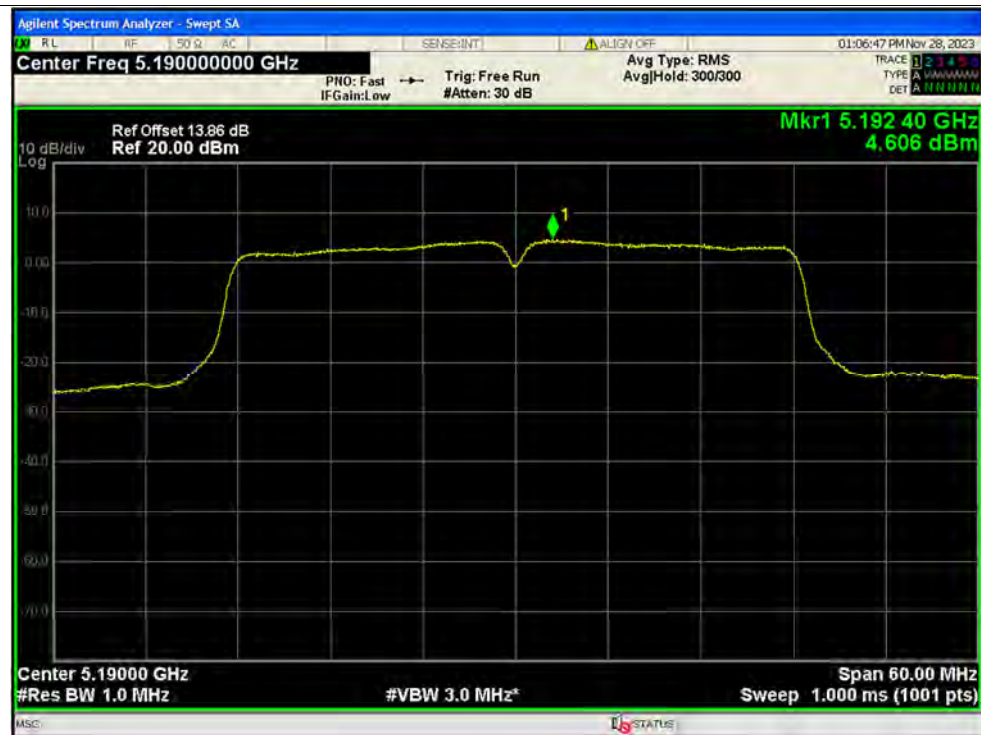
PSD NVNT ac40 5755MHz Ant1 SISO



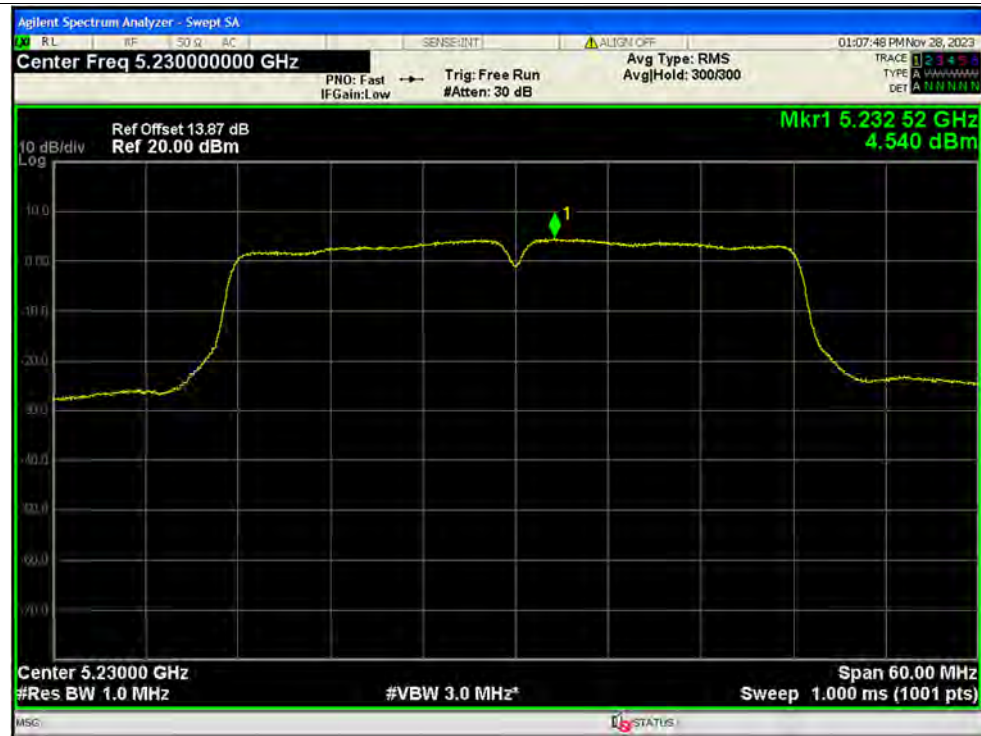
PSD NVNT ac40 5795MHz Ant1 SISO



PSD NVNT ac40 5190MHz Ant2 SISO



PSD NVNT ac40 5230MHz Ant2 SISO



PSD NVNT ac40 5270MHz Ant2 SISO



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PSD NVNT ac40 5630MHz Ant2 SISO



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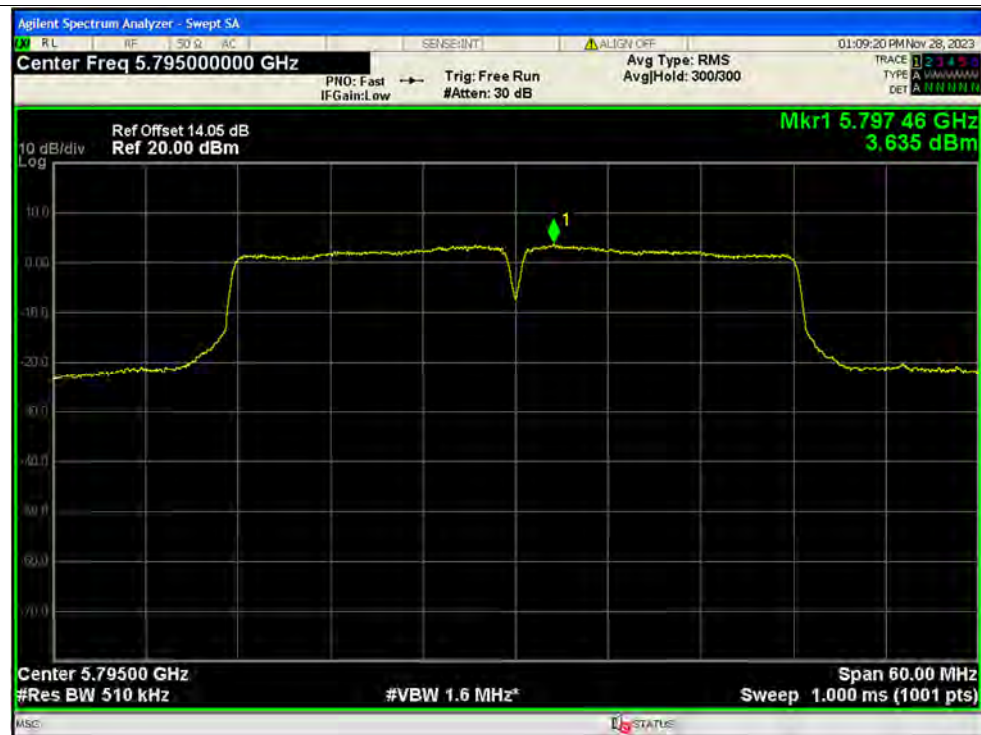




PSD NVNT ac40 5755MHz Ant2 SISO



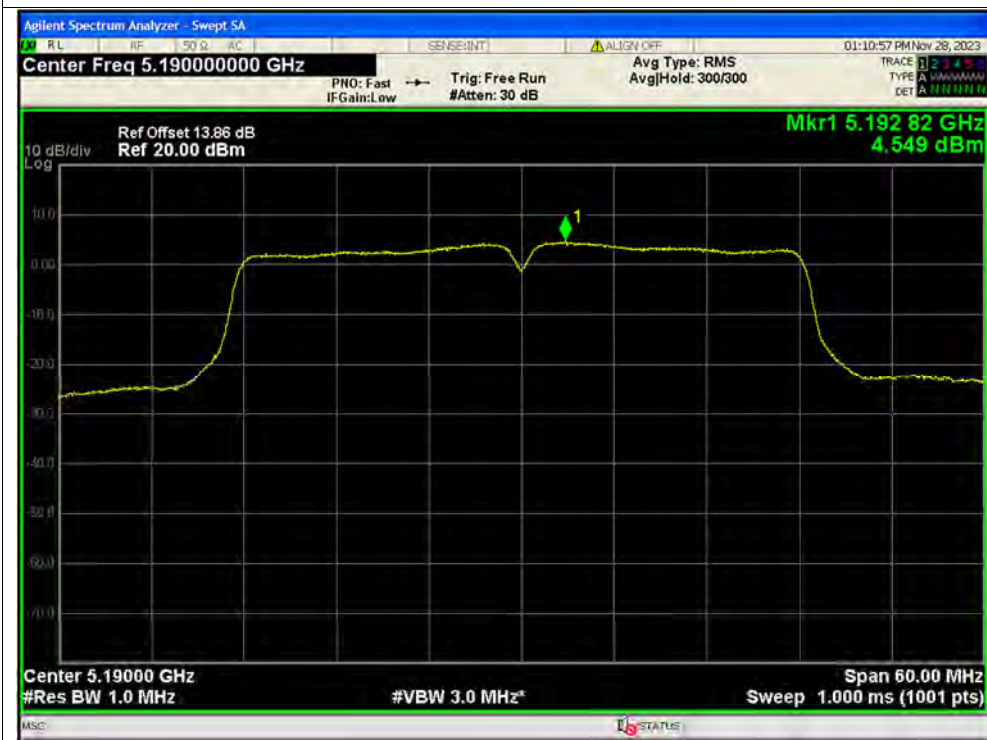
PSD NVNT ac40 5795MHz Ant2 SISO



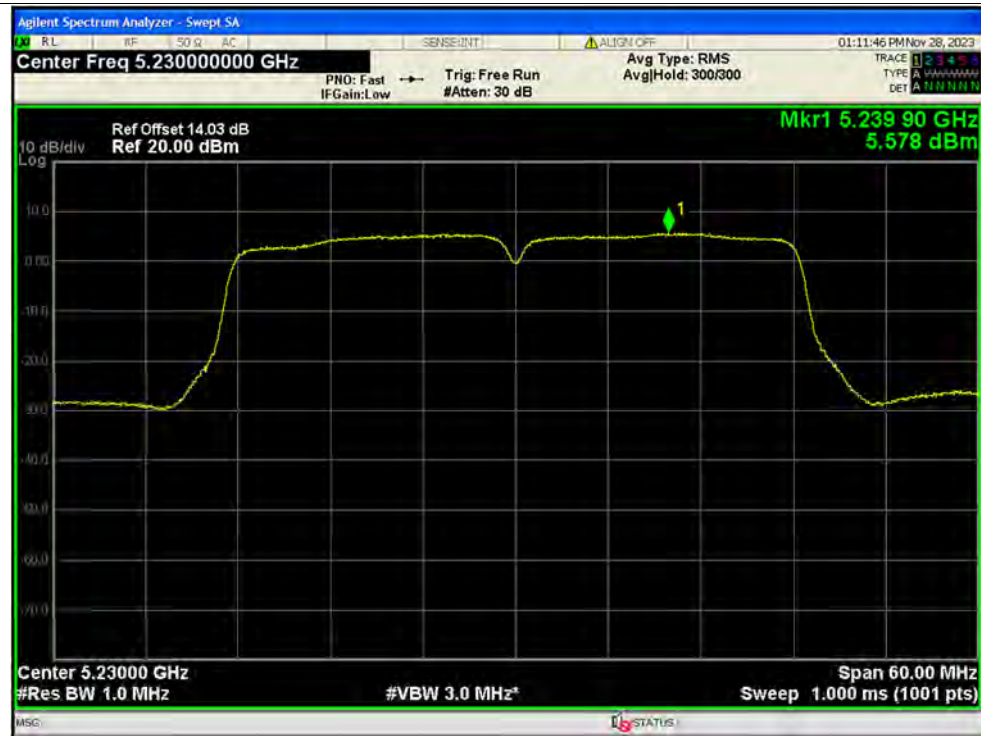
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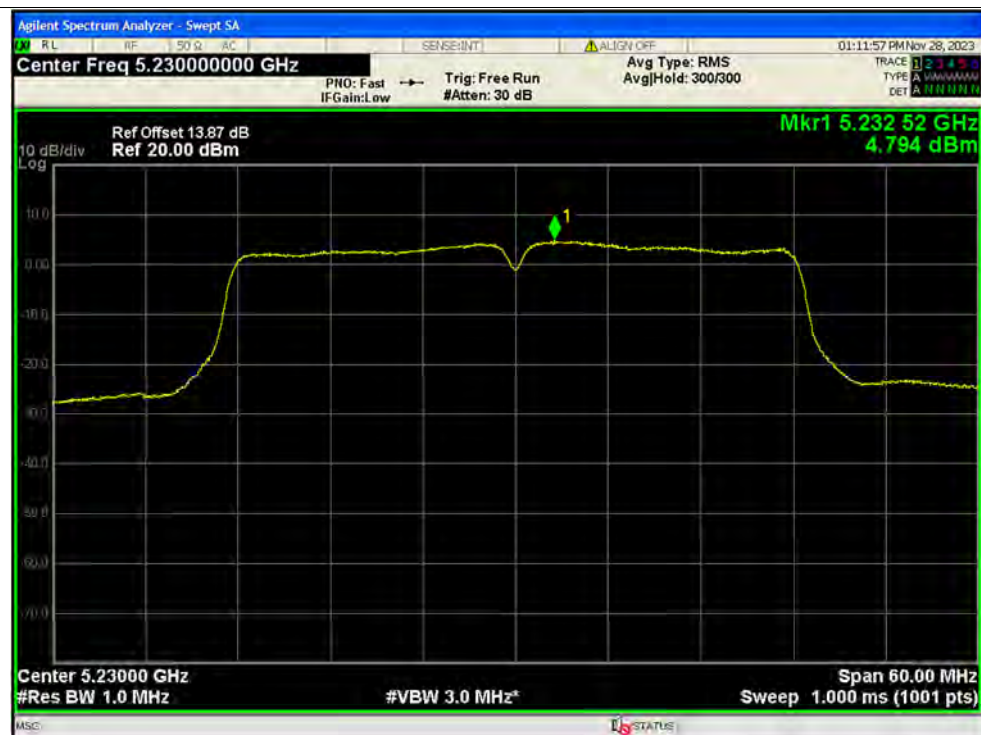
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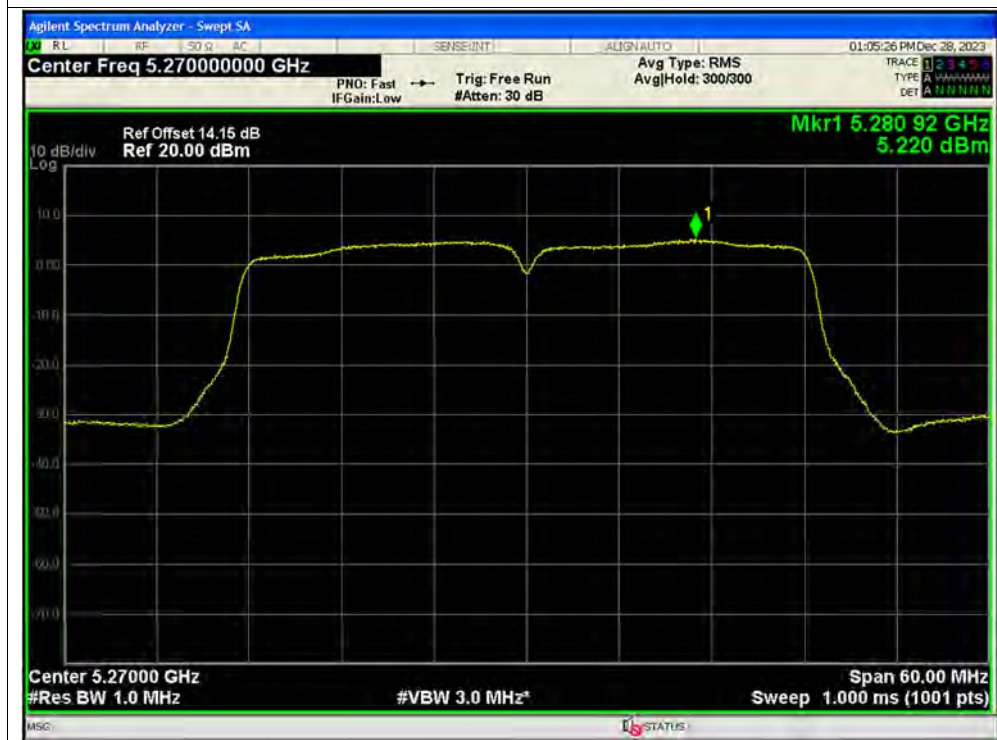
PSD NVNT ac40 5230MHz Ant1 MIMO



PSD NVNT ac40 5230MHz Ant2 MIMO



PSD NVNT ac40 5270MHz Ant1 MIMO



PSD NVNT ac40 5270MHz Ant2 MIMO



PSD NVNT ac40 5310MHz Ant1 MIMO



PSD NVNT ac40 5310MHz Ant2 MIMO





PSD NVNT ac40 5510MHz Ant1 MIMO



PSD NVNT ac40 5510MHz Ant2 MIMO



PSD NVNT ac40 5630MHz Ant1 MIMO



PSD NVNT ac40 5630MHz Ant2 MIMO



PSD NVNT ac40 5710MHz Ant1 MIMO



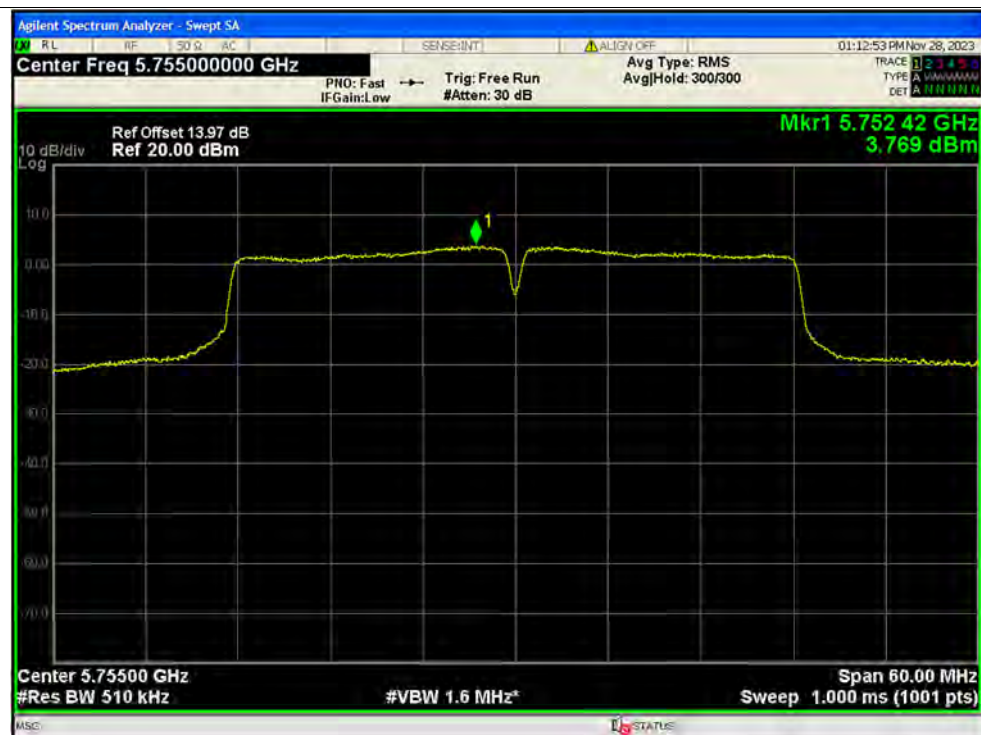
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PSD NVNT ac40 5755MHz Ant1 MIMO



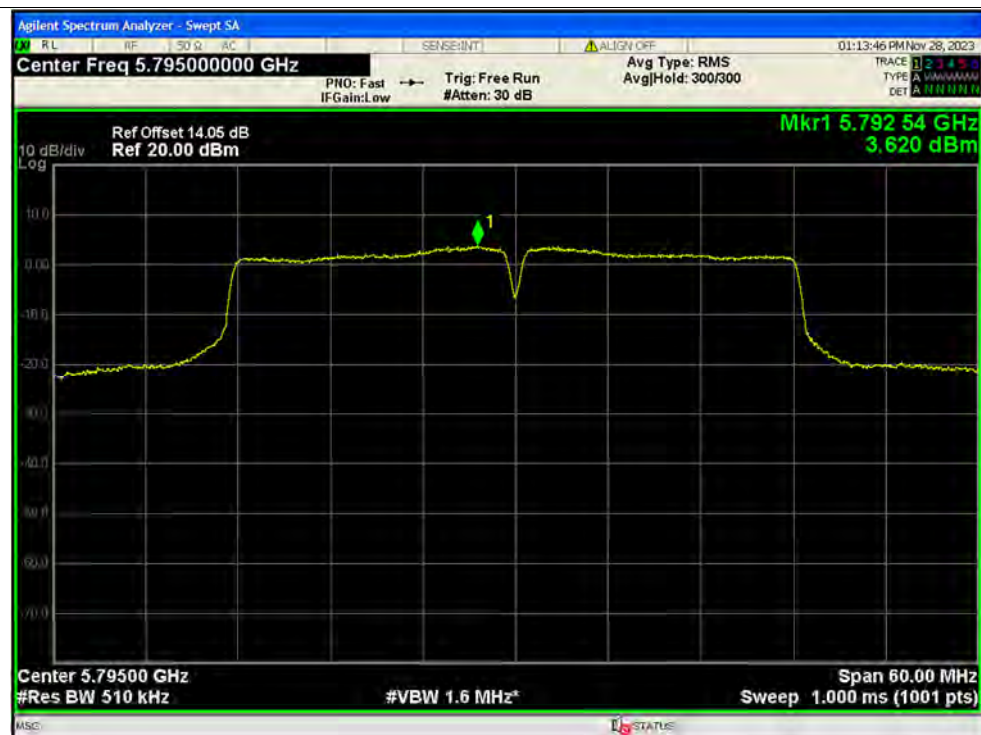
PSD NVNT ac40 5755MHz Ant2 MIMO



PSD NVNT ac40 5795MHz Ant1 MIMO



PSD NVNT ac40 5795MHz Ant2 MIMO



PSD NVNT ac80 5210MHz Ant1 SISO



PSD NVNT ac80 5290MHz Ant1 SISO



PSD NVNT ac80 5530MHz Ant1 SISO



PSD NVNT ac80 5610MHz Ant1 SISO





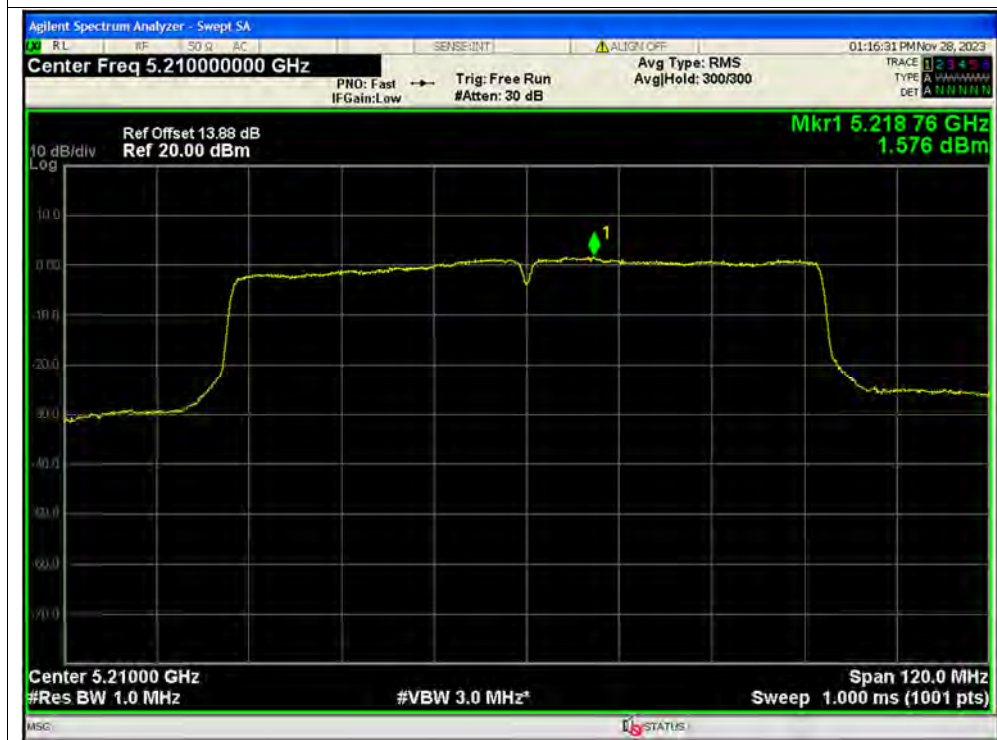
PSD NVNT ac80 5690MHz Ant1 SISO



PSD NVNT ac80 5775MHz Ant1 SISO



PSD NVNT ac80 5210MHz Ant2 SISO



PSD NVNT ac80 5290MHz Ant2 SISO



PSD NVNT ac80 5530MHz Ant2 SISO



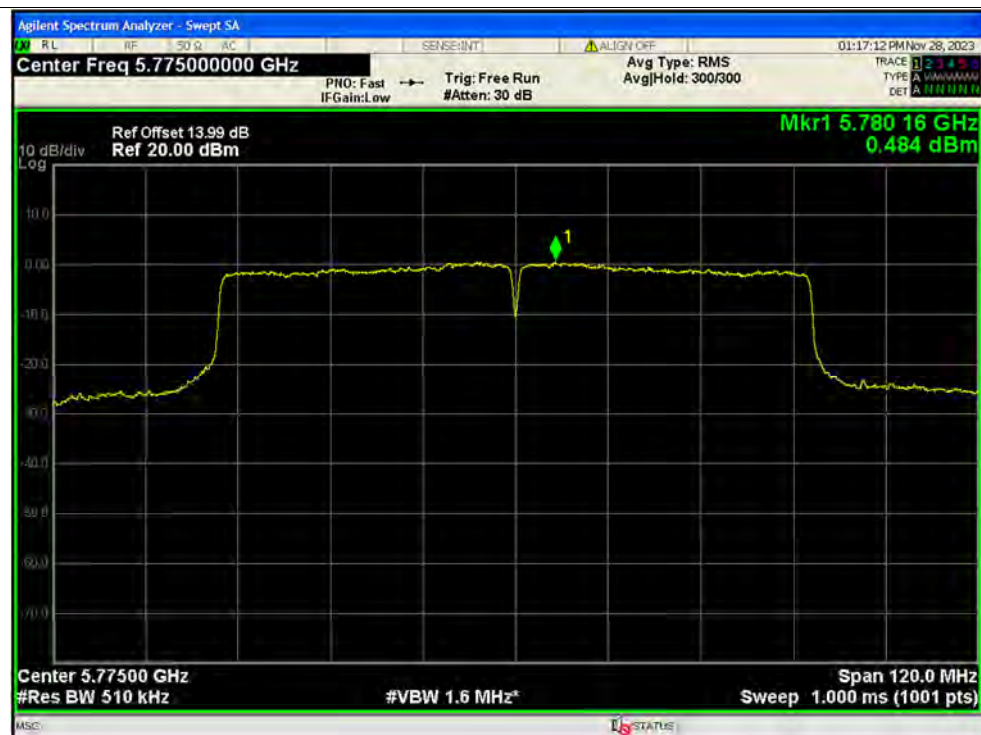
PSD NVNT ac80 5610MHz Ant2 SISO



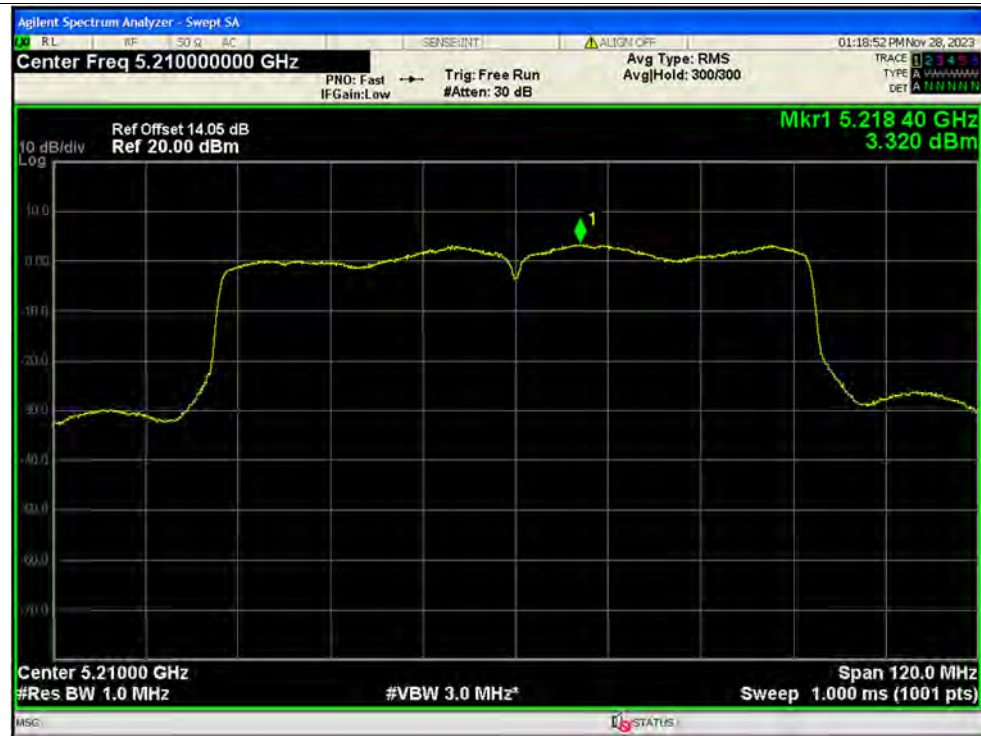
PSD NVNT ac80 5690MHz Ant2 SISO



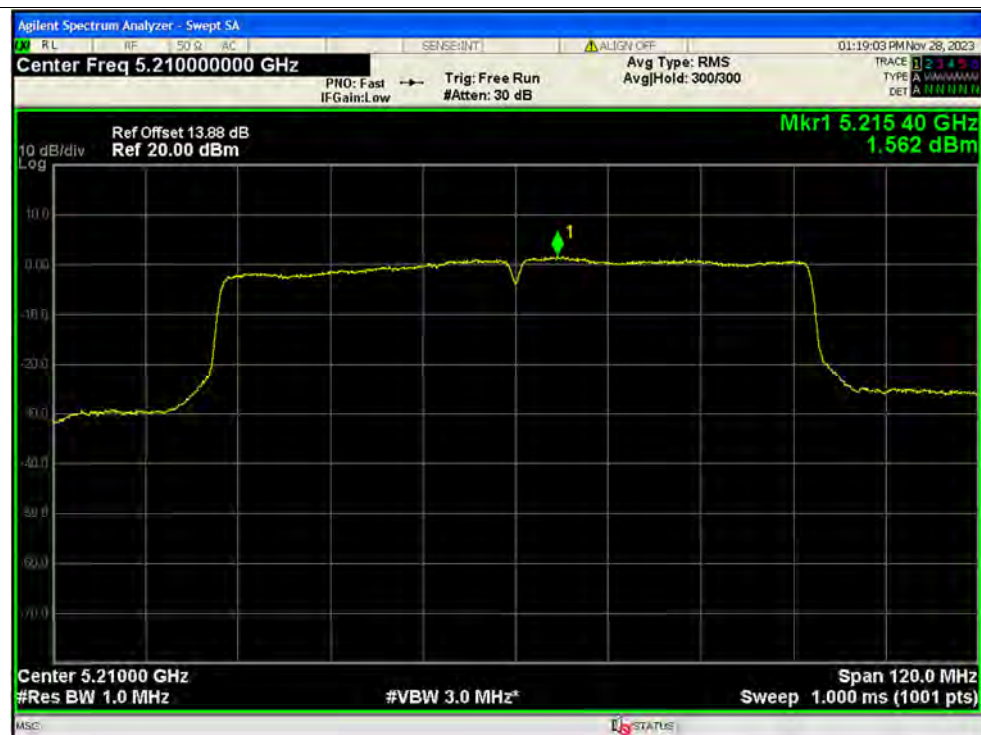
PSD NVNT ac80 5775MHz Ant2 SISO



PSD NVNT ac80 5210MHz Ant1 MIMO



PSD NVNT ac80 5210MHz Ant2 MIMO



PSD NVNT ac80 5290MHz Ant1 MIMO



PSD NVNT ac80 5290MHz Ant2 MIMO



PSD NVNT ac80 5530MHz Ant1 MIMO



PSD NVNT ac80 5530MHz Ant2 MIMO



PSD NVNT ac80 5610MHz Ant1 MIMO



PSD NVNT ac80 5610MHz Ant2 MIMO



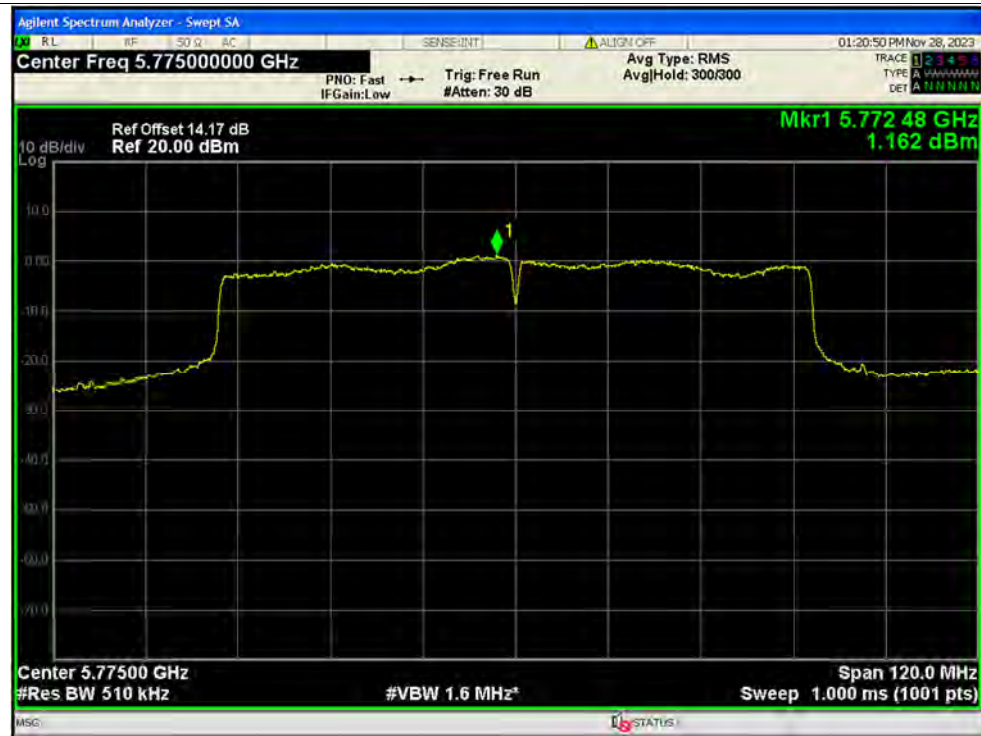
PSD NVNT ac80 5690MHz Ant1 MIMO



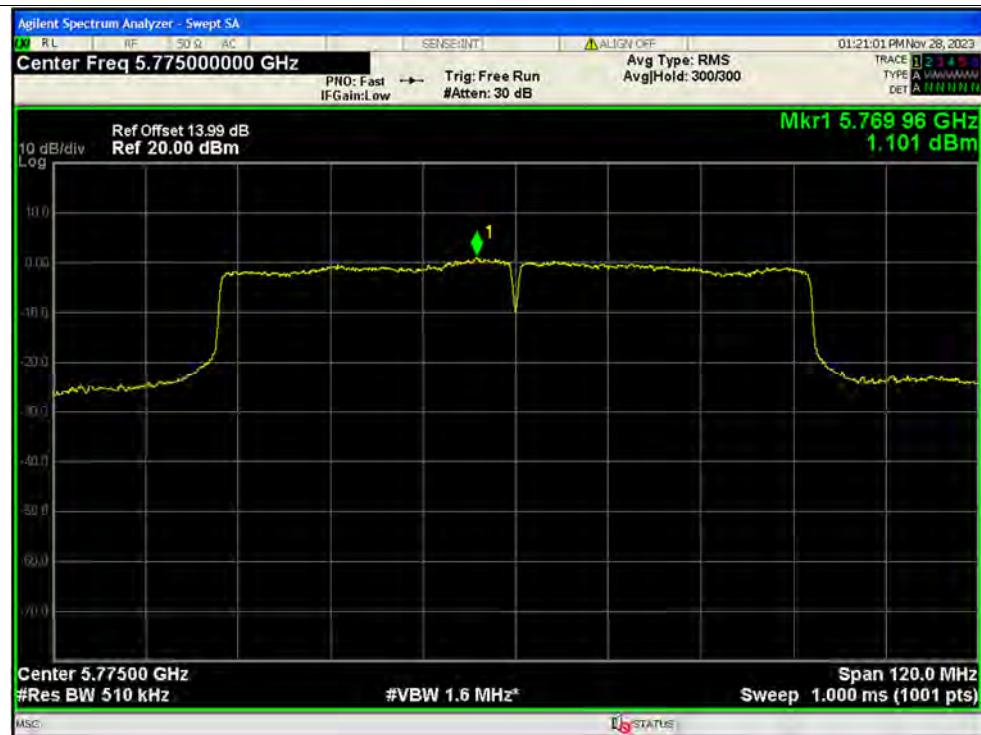
PSD NVNT ac80 5690MHz Ant2 MIMO



PSD NVNT ac80 5775MHz Ant1 MIMO



PSD NVNT ac80 5775MHz Ant2 MIMO



**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.6V	a SISO	5180	Ant1	5179.971	-29000	-5.6	25	Pass
20C 3.9V	a SISO	5180	Ant1	5179.971	-29000	-5.6	25	Pass
20C 4.4V	a SISO	5180	Ant1	5179.971	-29000	-5.6	25	Pass
0C 3.9V	a SISO	5180	Ant1	5179.971	-29000	-5.6	25	Pass
10C 3.9V	a SISO	5180	Ant1	5179.971	-29000	-5.6	25	Pass
30C 3.9V	a SISO	5180	Ant1	5179.971	-29000	-5.6	25	Pass
40C 3.9V	a SISO	5180	Ant1	5179.971	-29000	-5.6	25	Pass
45C 3.9V	a SISO	5180	Ant1	5179.972	-28000	-5.41	25	Pass
20C 3.6V	a SISO	5260	Ant1	5259.972	-28000	-5.32	25	Pass
20C 3.9V	a SISO	5260	Ant1	5259.972	-28000	-5.32	25	Pass
20C 4.4V	a SISO	5260	Ant1	5259.972	-28000	-5.32	25	Pass
0C 3.9V	a SISO	5260	Ant1	5259.972	-28000	-5.32	25	Pass
10C 3.9V	a SISO	5260	Ant1	5259.972	-28000	-5.32	25	Pass
30C 3.9V	a SISO	5260	Ant1	5259.973	-27000	-5.13	25	Pass
40C 3.9V	a SISO	5260	Ant1	5259.973	-27000	-5.13	25	Pass
45C 3.9V	a SISO	5260	Ant1	5259.973	-27000	-5.13	25	Pass
20C 3.6V	a SISO	5500	Ant1	5499.971	-29000	-5.27	25	Pass
20C 3.9V	a SISO	5500	Ant1	5499.972	-28000	-5.09	25	Pass
20C 4.4V	a SISO	5500	Ant1	5499.972	-28000	-5.09	25	Pass
0C 3.9V	a SISO	5500	Ant1	5499.972	-28000	-5.09	25	Pass
10C 3.9V	a SISO	5500	Ant1	5499.972	-28000	-5.09	25	Pass
30C 3.9V	a SISO	5500	Ant1	5499.972	-28000	-5.09	25	Pass
40C 3.9V	a SISO	5500	Ant1	5499.972	-28000	-5.09	25	Pass
55C 3.9V	a SISO	5500	Ant1	5499.972	-28000	-5.09	25	Pass
20C 3.6V	a SISO	5745	Ant1	5744.969	-31000	-5.4	25	Pass
20C 3.9V	a SISO	5745	Ant1	5744.969	-31000	-5.4	25	Pass
20C 4.4V	a SISO	5745	Ant1	5744.969	-31000	-5.4	25	Pass
0C 3.9V	a SISO	5745	Ant1	5744.969	-31000	-5.4	25	Pass
10C 3.9V	a SISO	5745	Ant1	5744.969	-31000	-5.4	25	Pass
30C 3.9V	a SISO	5745	Ant1	5744.969	-31000	-5.4	25	Pass
40C 3.9V	a SISO	5745	Ant1	5744.969	-31000	-5.4	25	Pass
45C 3.9V	a SISO	5745	Ant1	5744.969	-31000	-5.4	25	Pass

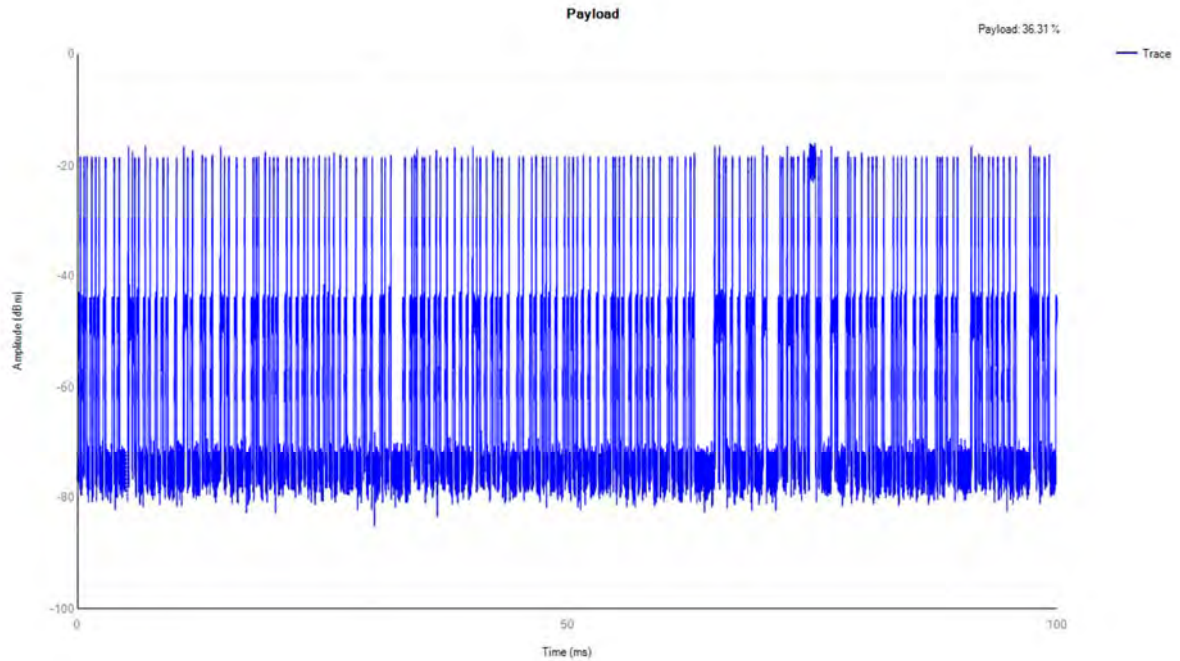
**A.6. Dynamic Frequency Selection**

Payload

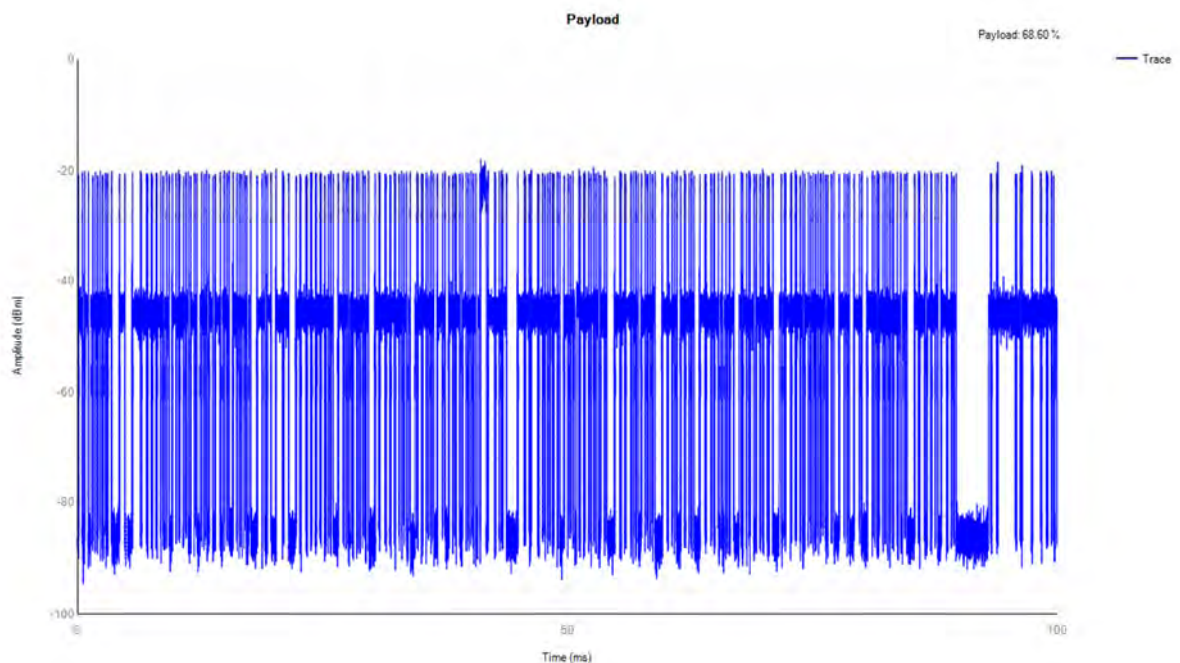
Mode	Frequency (MHz)	Result	Verdict
a	5320	36.31	Pass
a	5500	68.6	Pass
ac80	5290	75.16	Pass
ac80	5530	76.71	Pass

Test Graphs

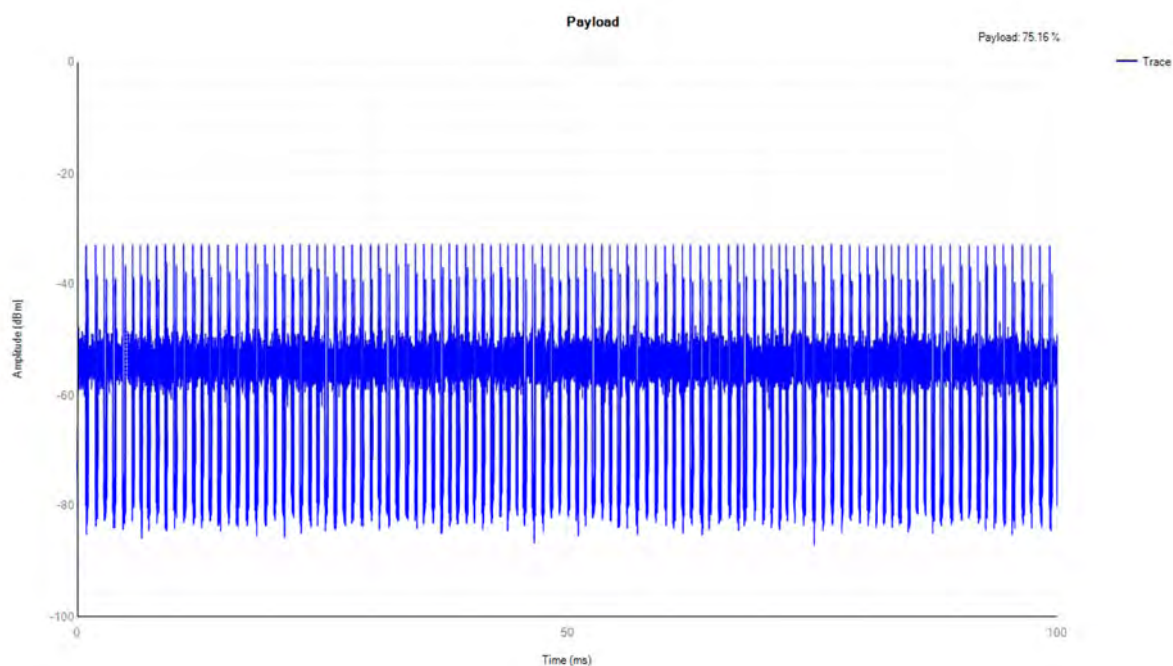
a 5320MHz Payload



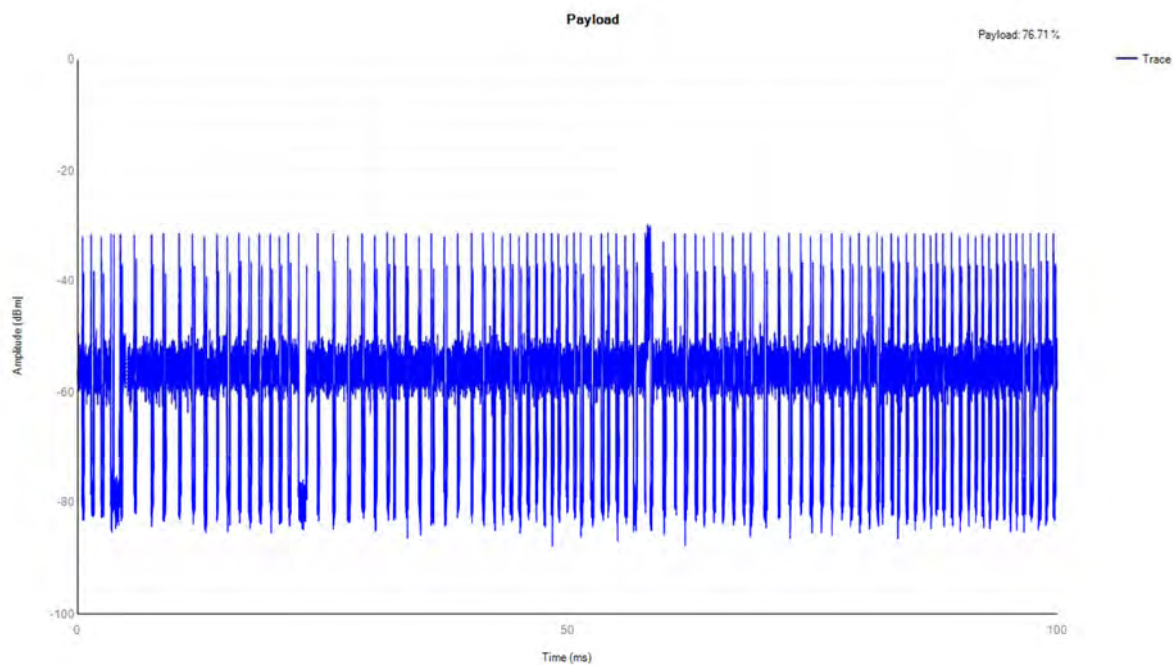
a 5500MHz Payload



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

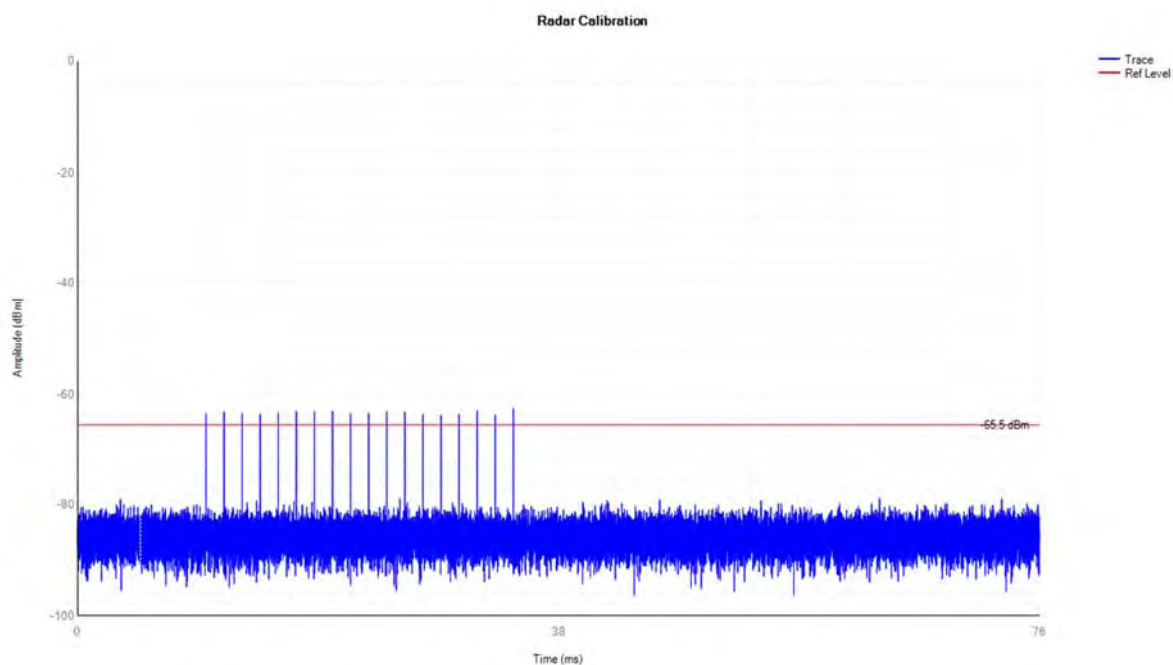
Detector Type: Peak

RBW: 3MHz

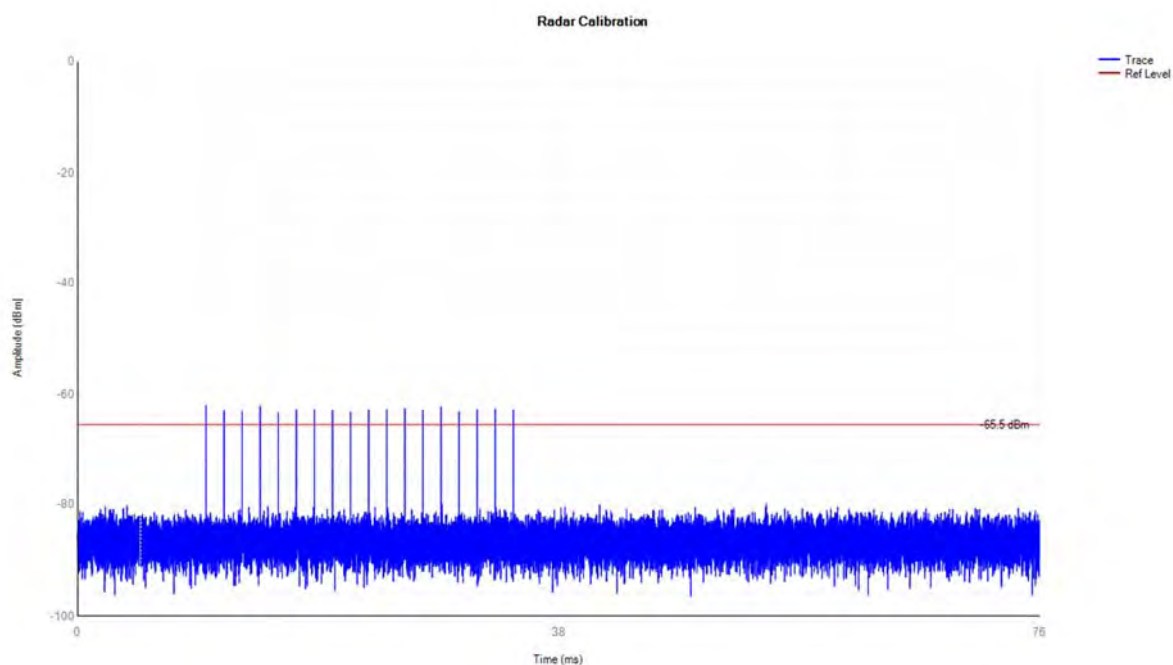
VBW: 3MHz

Test Graphs

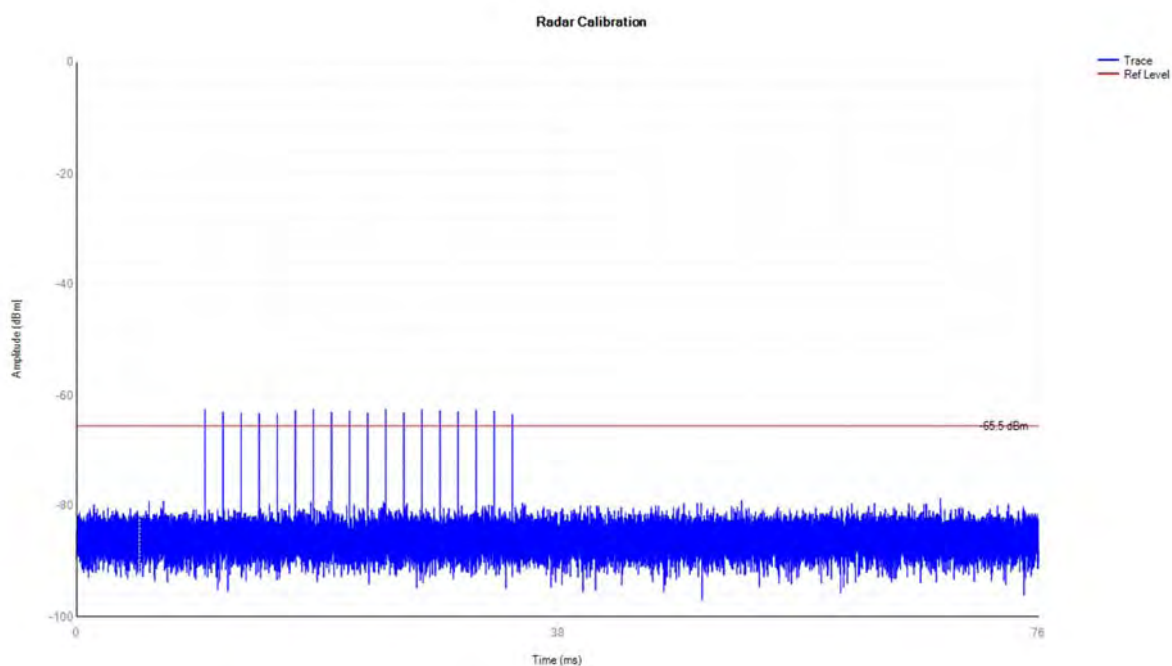
5320MHz DFS_FCC_T0



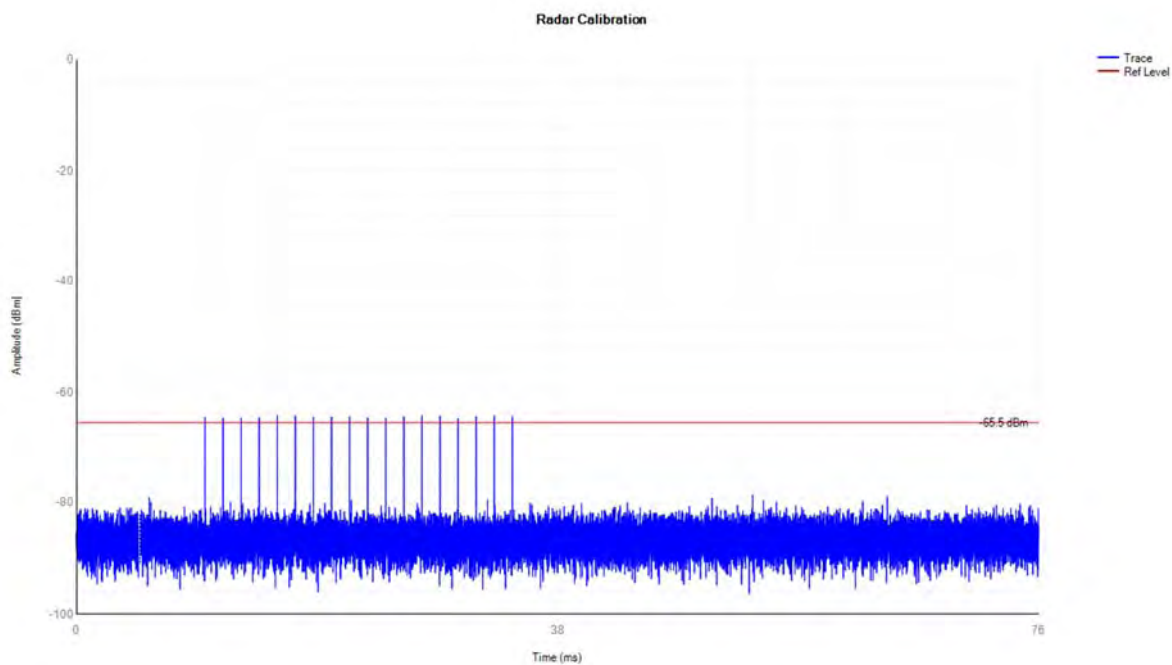
5500MHz DFS_FCC_T0



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	0.785	10	0.024	0.26	0.012	0.06	Pass
a	5500	0.842	10	0.079	0.26	0.014	0.06	Pass
ac80	5290	0.86	10	0.039	0.26	0.009	0.06	Pass
ac80	5530	0.946	10	0.096	0.26	0.01	0.06	Pass

Spectrum analyzer settings:

Span: Zero

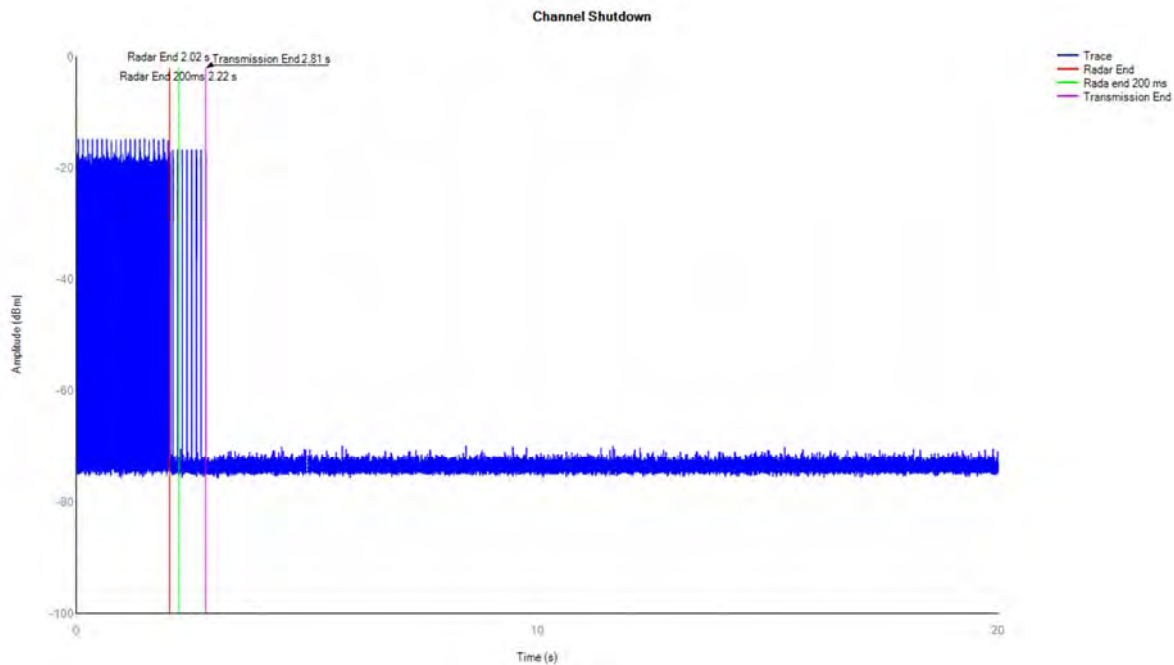
Detector type: Peak

RBW: 3MHz

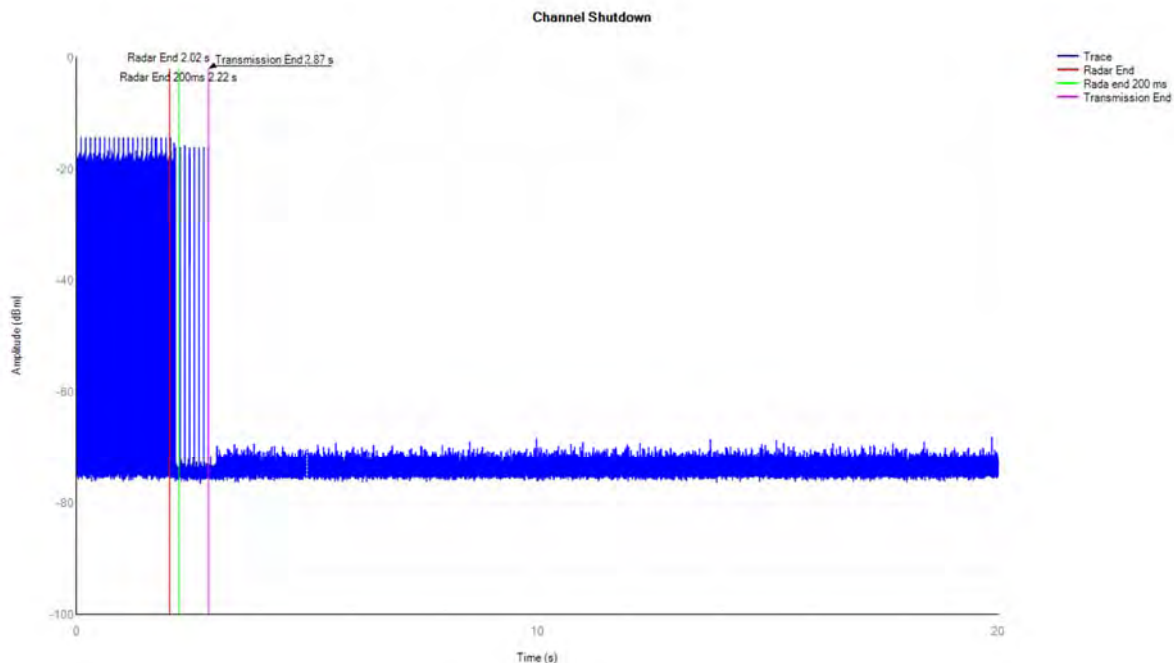
VBW: 3MHz

Sweep time: 20s

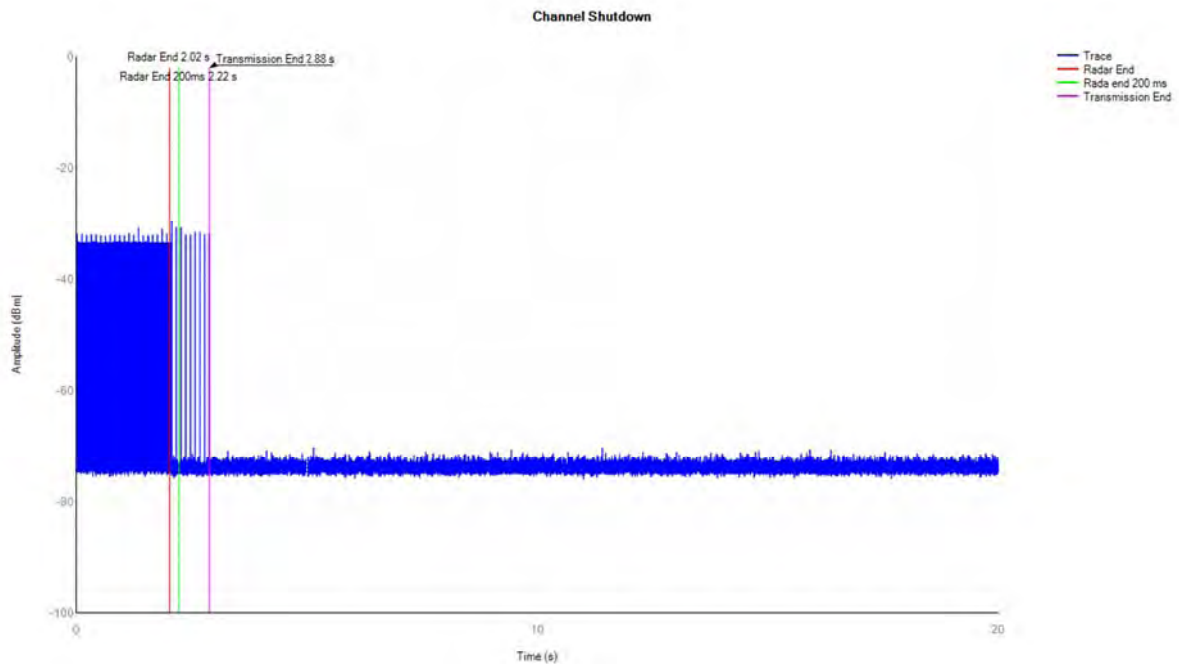
Test Graphs
a 5320MHz Shutdown



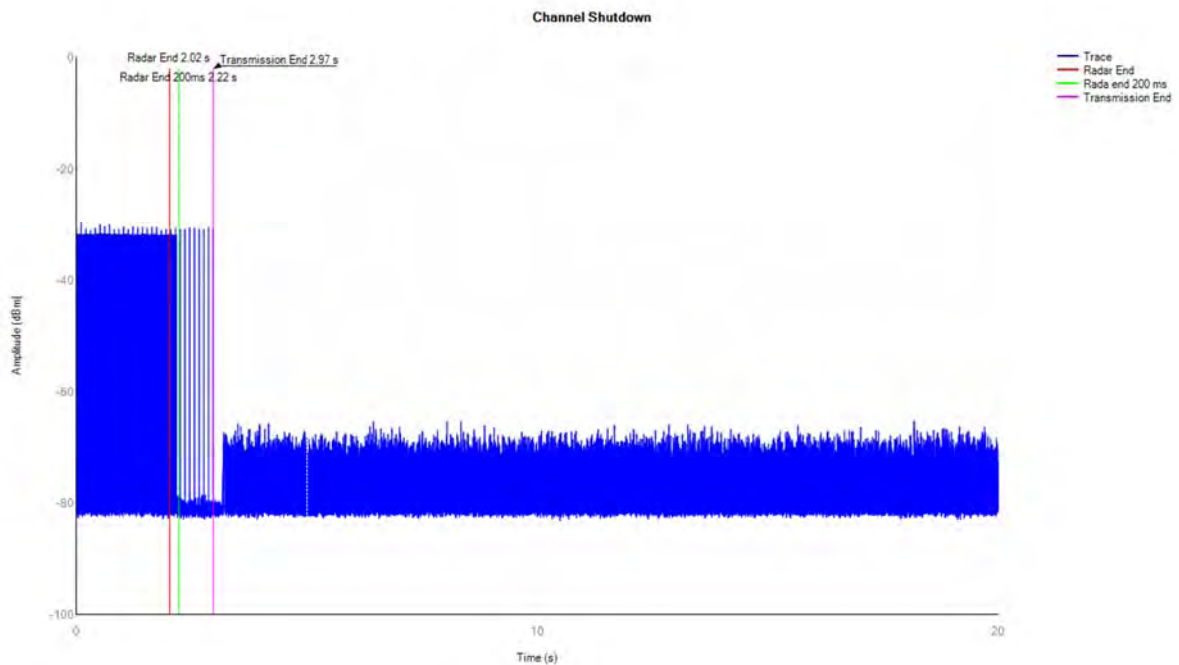
a 5500MHz Shutdown



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.



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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

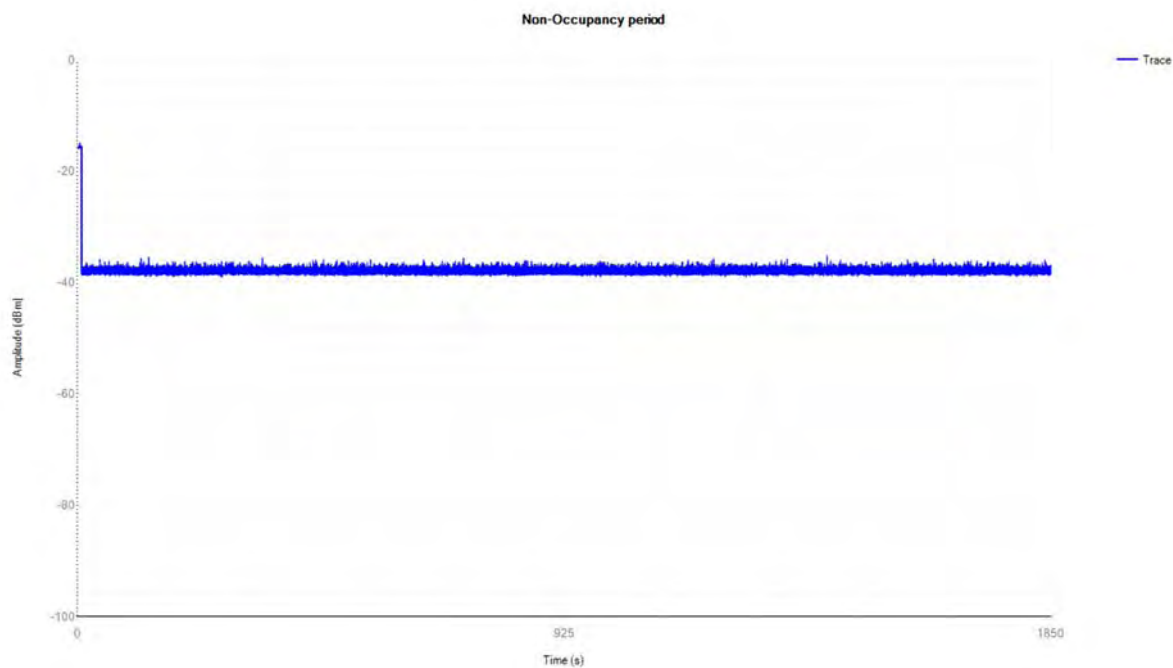
RBW: 3MHz

VBW: 3MHz

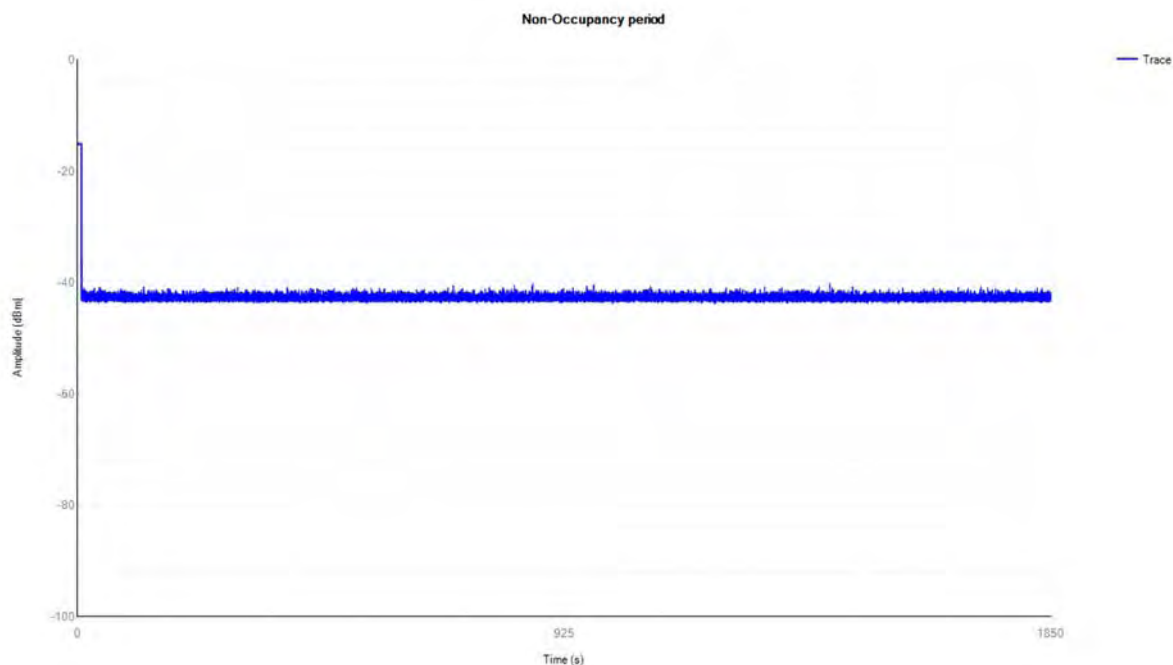
Sweep time: 1850s

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 + PC + PC Adapter +WIFI TX

Test voltage: AC 120V/60Hz

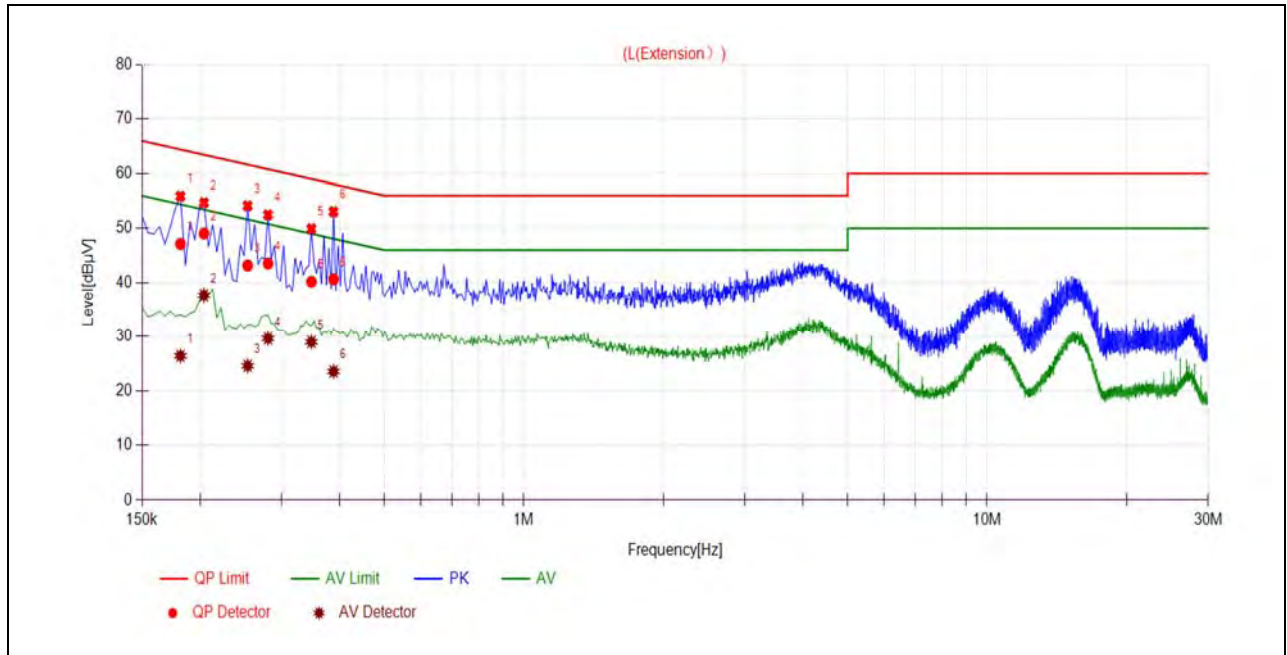
The measurement results are obtained as below:

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

U_R : Receiver Reading

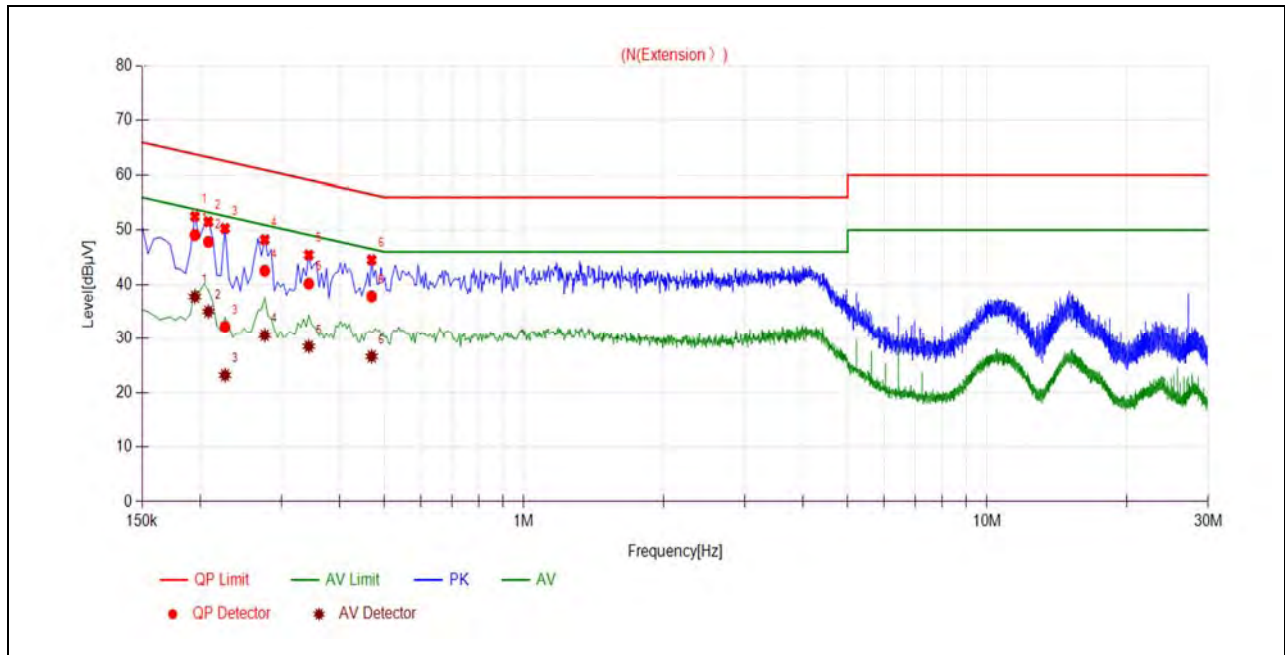
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1815	47.14	26.38	64.42	54.42	Line	PASS
2	0.2040	49.07	37.67	63.45	53.45		PASS
3	0.2535	43.16	24.54	61.64	51.64		PASS
4	0.2805	43.53	29.61	60.80	50.80		PASS
5	0.3480	40.16	28.96	59.01	49.01		PASS
6	0.3885	40.63	23.52	58.10	48.10		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1950	49.09	37.78	63.82	53.82	Neutral	PASS
2	0.2085	47.84	35.05	63.26	53.26		PASS
3	0.2265	32.23	23.19	62.58	52.58		PASS
4	0.2760	42.54	30.62	60.94	50.94		PASS
5	0.3435	40.16	28.51	59.12	49.12		PASS
6	0.4695	37.83	26.65	56.52	46.52		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_{preamp} : Preamplifier Gain

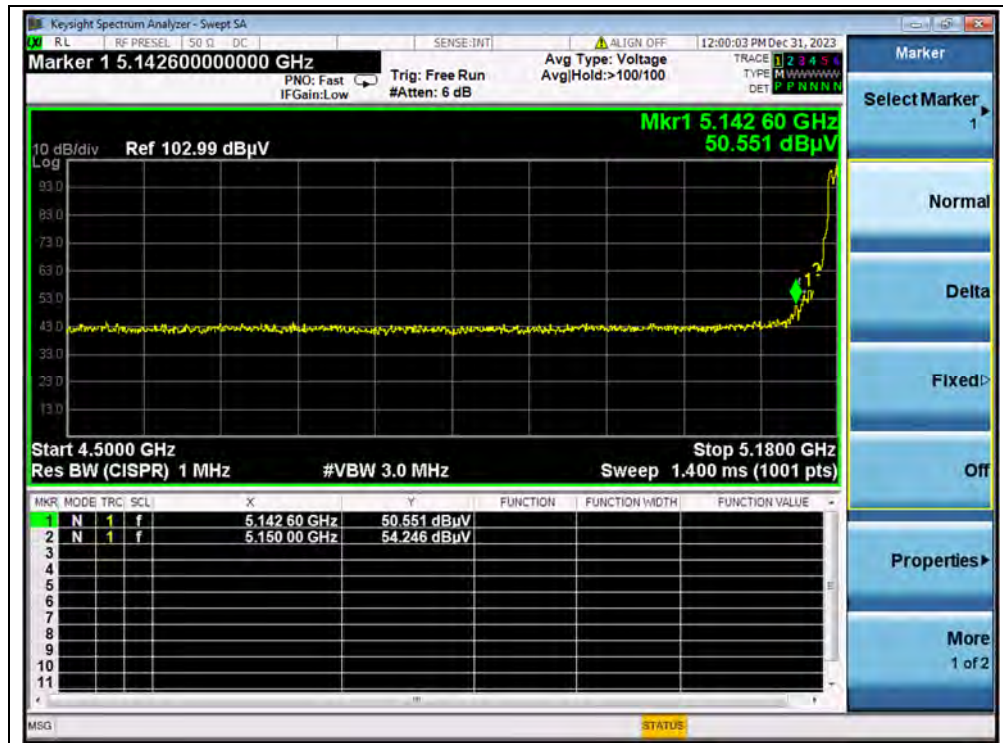
A_{Factor} : Antenna Factor at 3m

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.

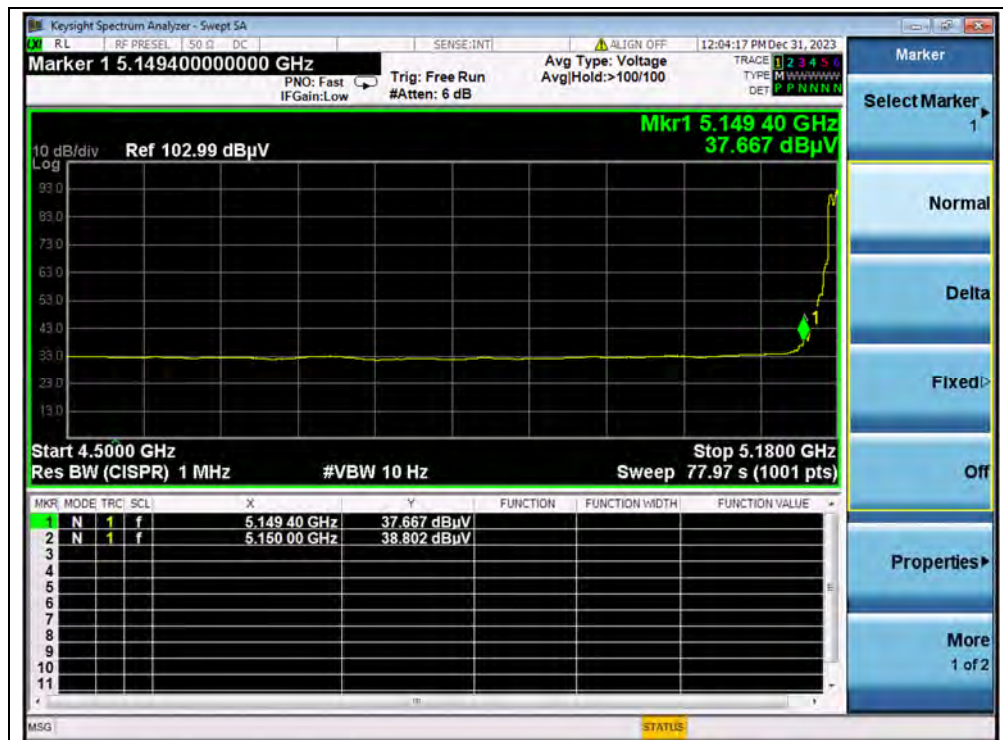
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

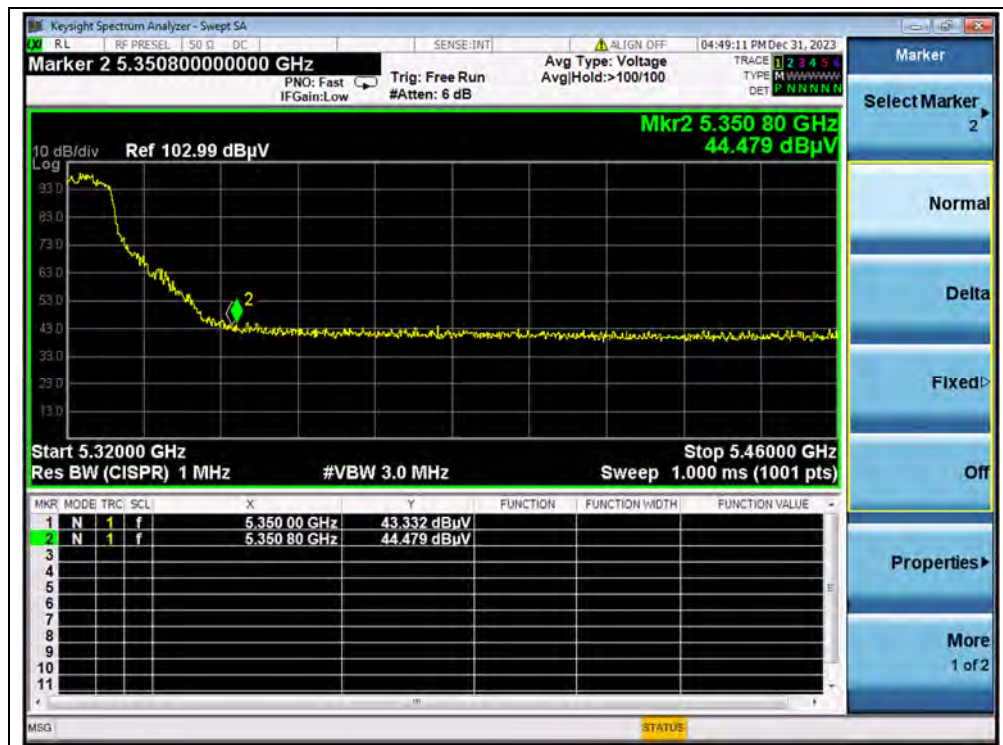
Channel	Frequency (MHz)	Detector	Receiver Reading	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)			E (dBμV/m)		
36	5150.00	PK	54.25	-19.54	32.20	66.91	74	PASS
36	5150.00	AV	38.80	-19.54	32.20	51.46	54	PASS
64	5350.80	PK	44.48	-18.80	32.20	57.88	74	PASS
64	5350.00	AV	36.03	-18.80	32.20	49.43	54	PASS
100	5470.00	PK	53.73	-19.20	32.20	66.73	68.23	PASS
100	5460.00	AV	35.61	-19.20	32.20	48.61	54	PASS
144	5725.80	PK	52.49	-19.20	32.20	65.49	68.23	PASS
149	5725.00	PK	61.89	-19.01	32.20	75.08	122.23	PASS
165	5850.00	PK	53.05	-19.01	32.20	66.24	122.23	PASS



(PEAK, Channel 36, 802.11a)



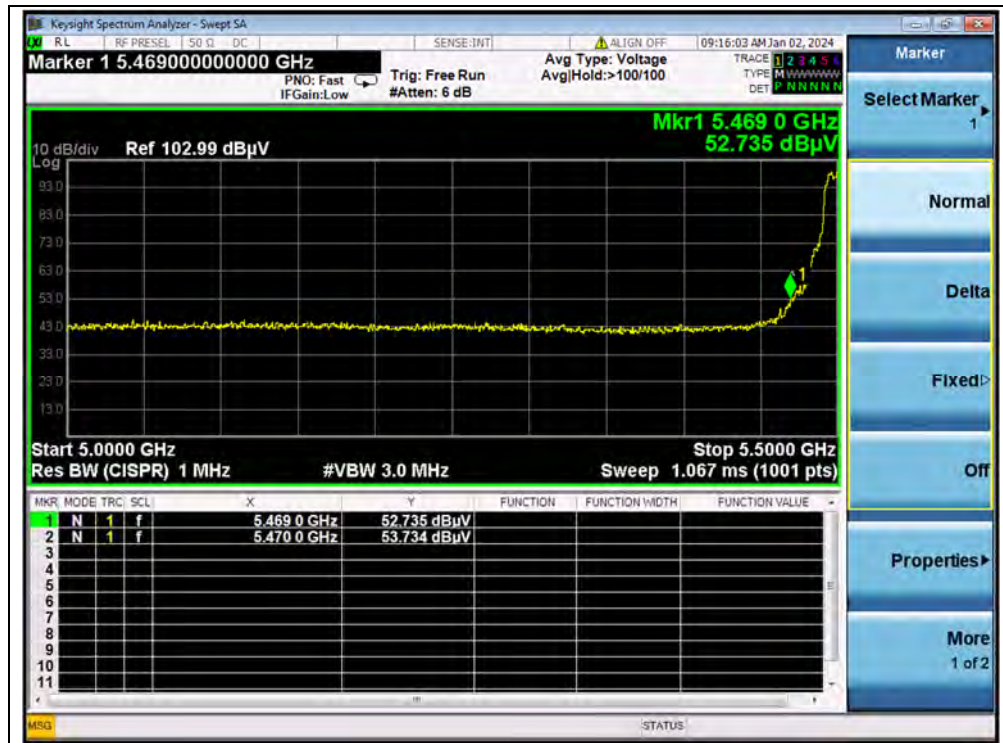
(AVERAGE, Channel 36, 802.11a)



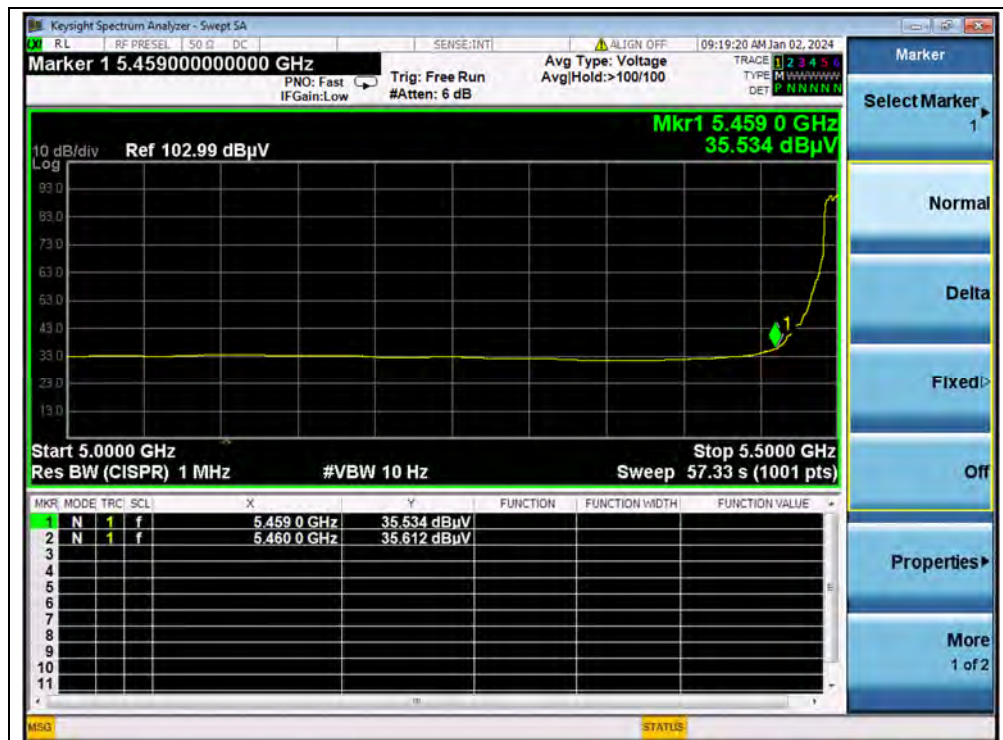
(PEAK, Channel 64, 802.11a)



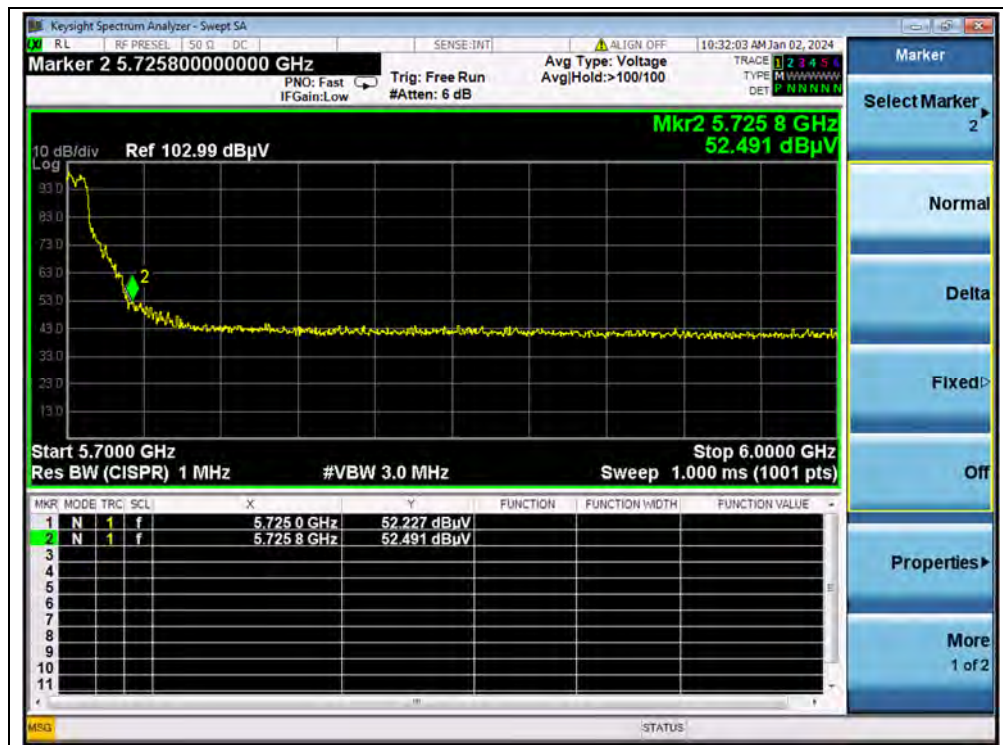
(AVERAGE, Channel 64, 802.11a)



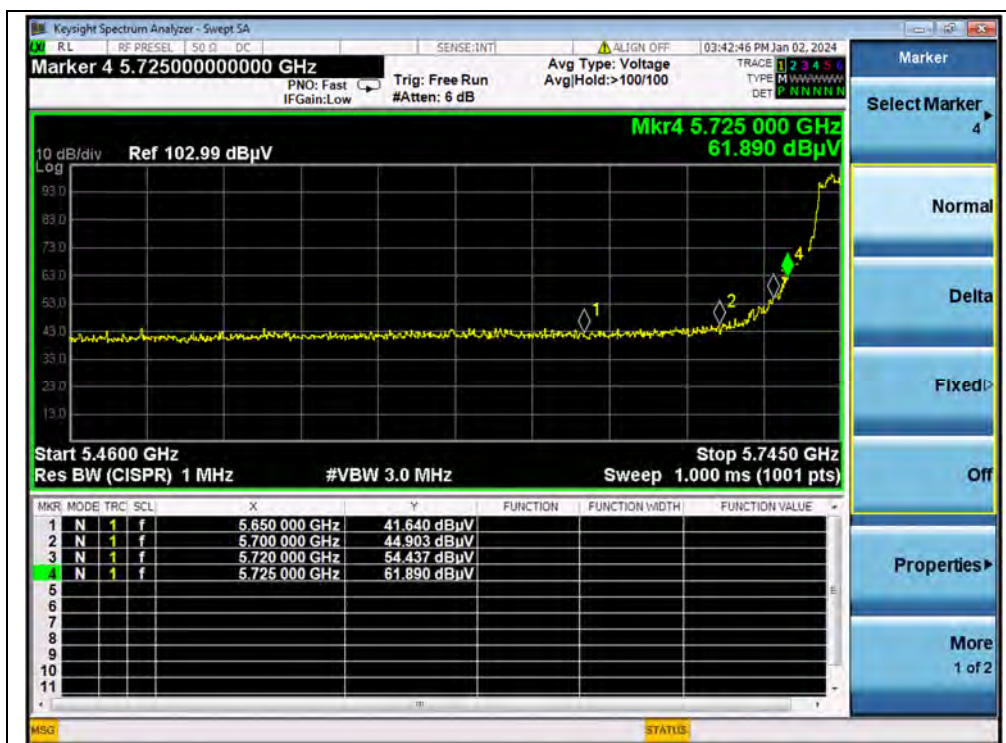
(PEAK, Channel 100, 802.11a)



(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



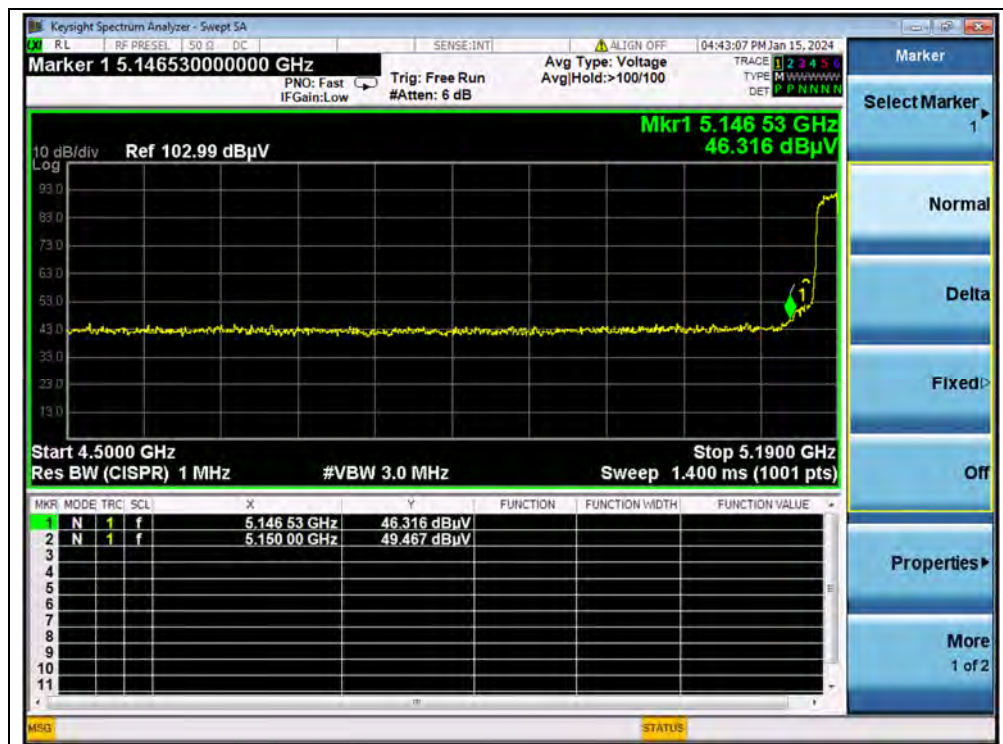
(PEAK, Channel 149, 802.11a)



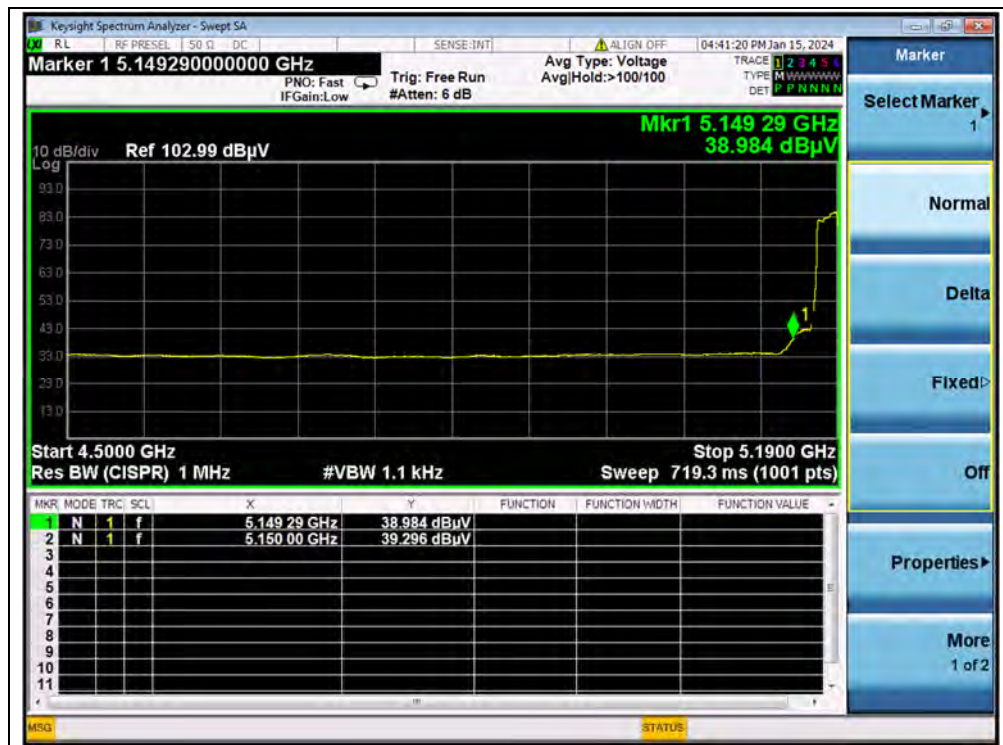
(PEAK, Channel 165, 802.11a)

**802.11n (HT40) Mode**

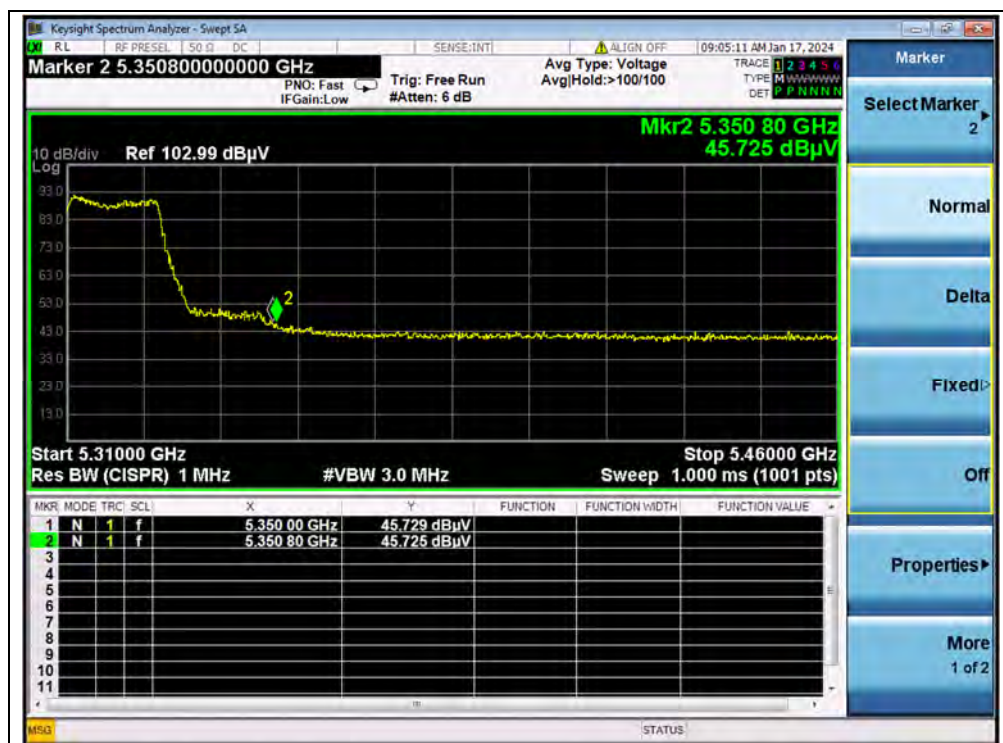
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
38	5150.00	PK	49.47	-19.54	32.20	62.13	74	PASS
38	5150.00	AV	39.30	-19.54	32.20	51.96	54	PASS
62	5350.80	PK	45.73	-18.80	32.20	59.13	74	PASS
62	5350.00	AV	38.42	-18.80	32.20	51.82	54	PASS
102	5468.69	PK	50.99	-19.20	32.20	63.99	68.23	PASS
102	5460.00	AV	39.16	-19.20	32.20	52.16	54	PASS
142	5821.80	PK	54.59	-19.20	32.20	67.59	68.23	PASS
151	5725.00	PK	66.77	-19.01	32.20	79.96	122.23	PASS
159	5850.00	PK	50.53	-19.01	32.20	63.72	122.23	PASS



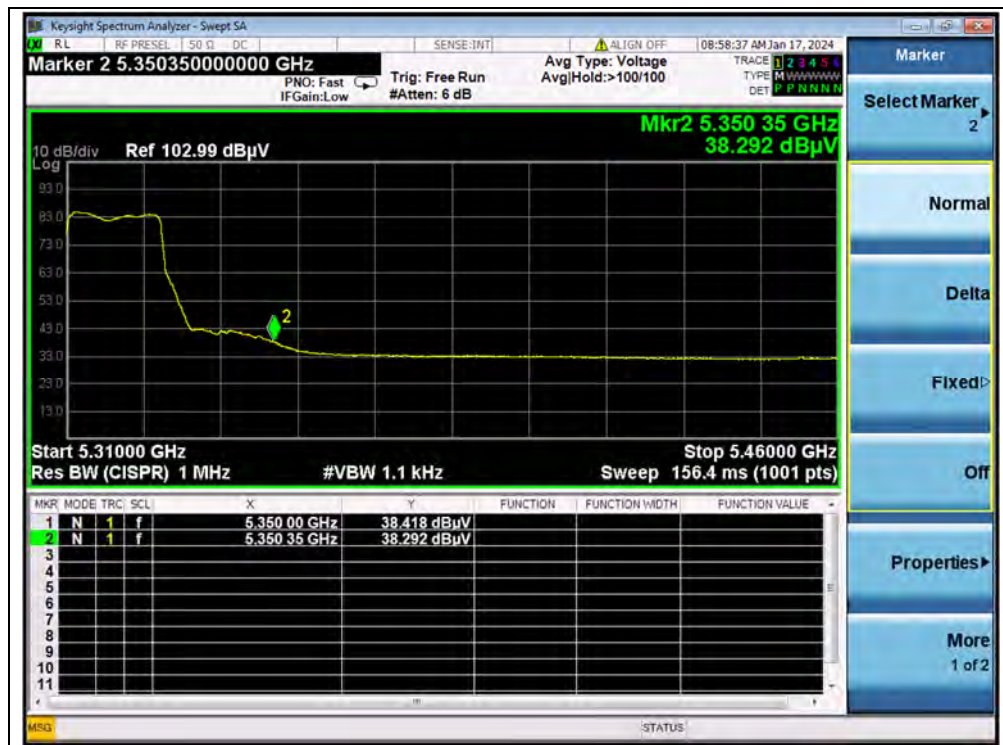
(PEAK, Channel 38, 802.11n (HT40))



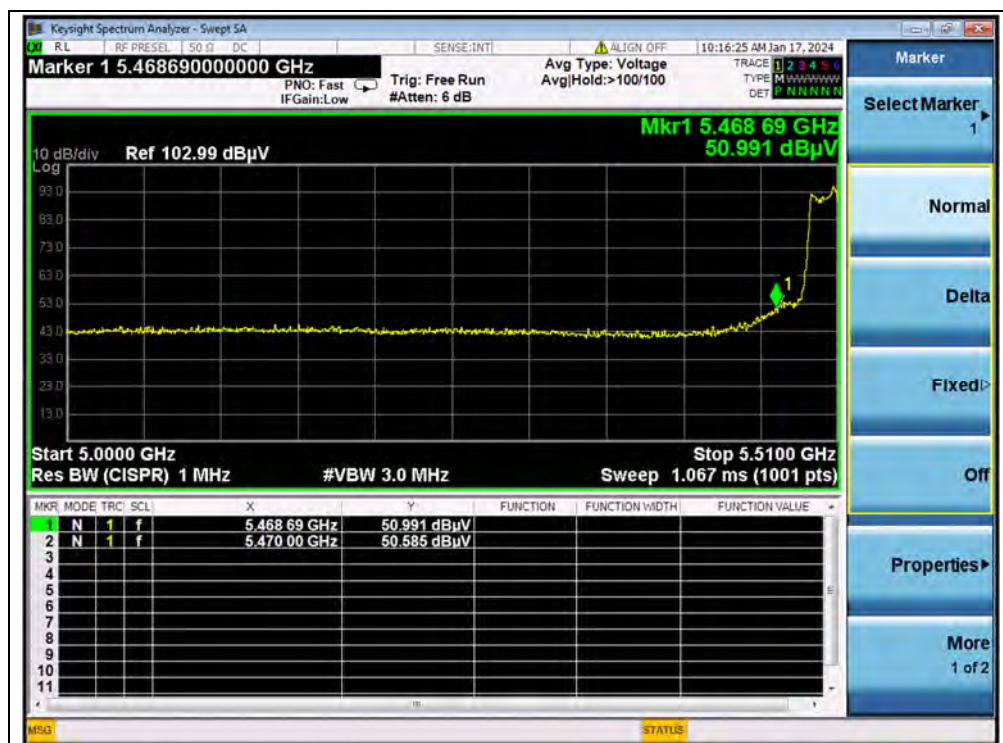
(AVERAGE, Channel 38, 802.11n (HT40))



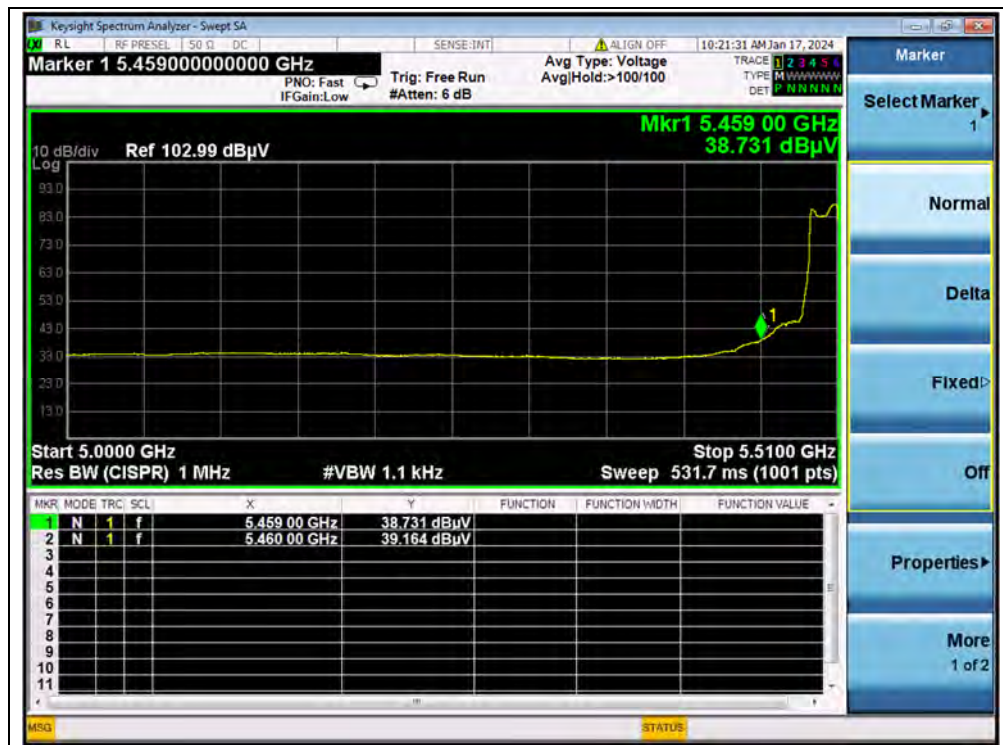
(PEAK, Channel 62, 802.11n (HT40))



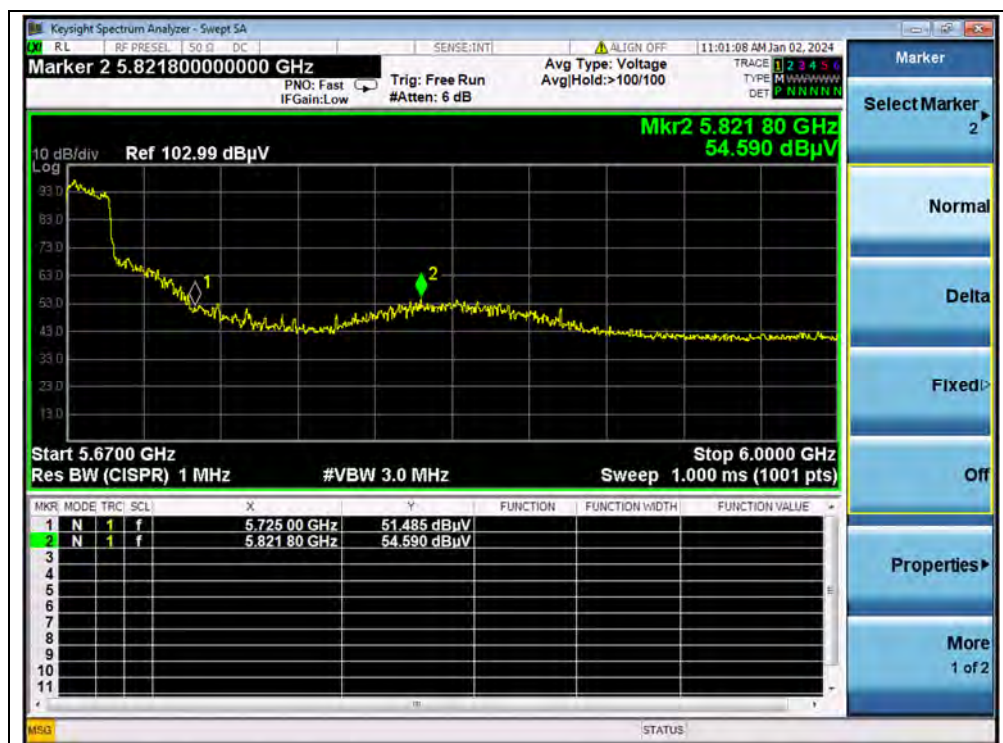
(AVERAGE, Channel 62, 802.11n (HT40))



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



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



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



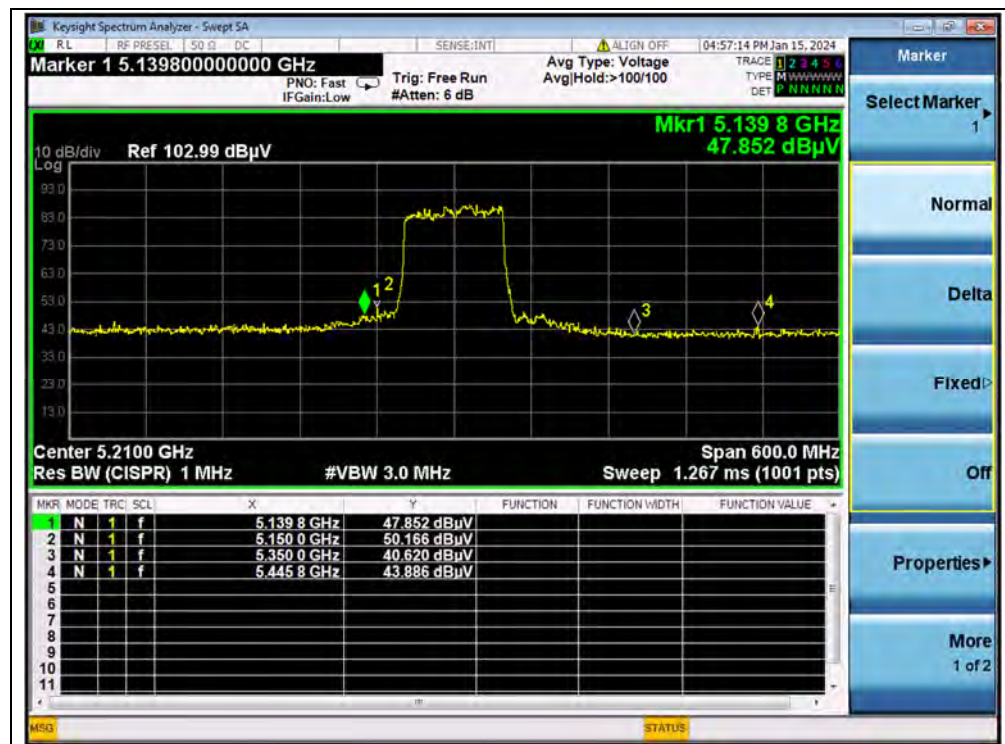
(PEAK, Channel 151, 802.11n (HT40))



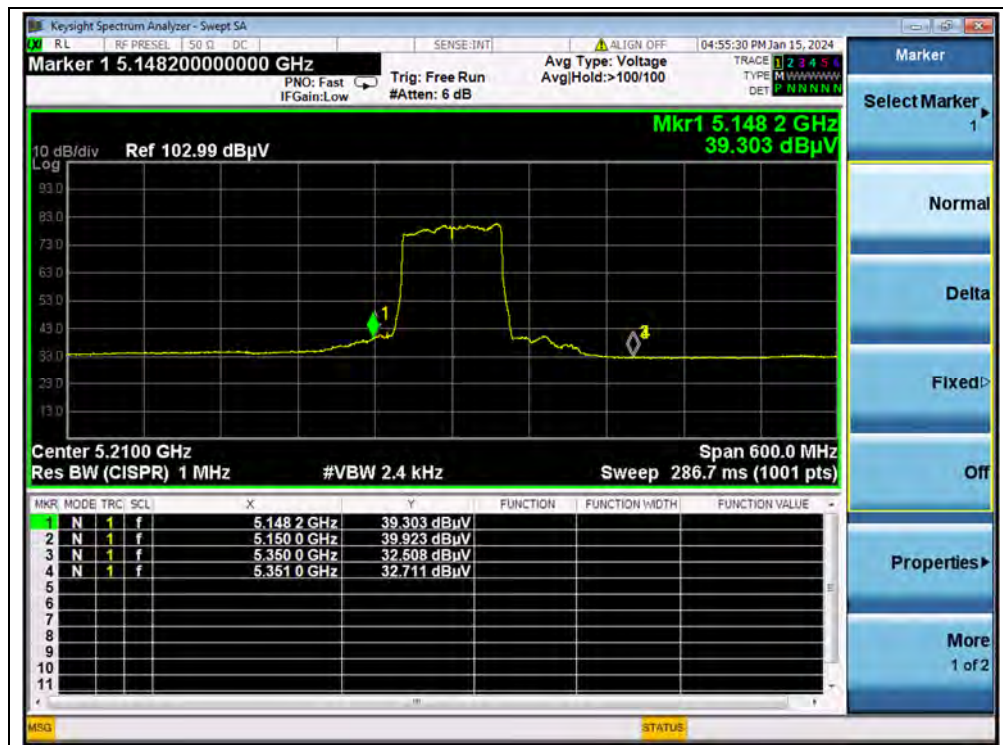
(PEAK, Channel 159, 802.11n (HT40))

**802.11ac (VHT80) Mode**

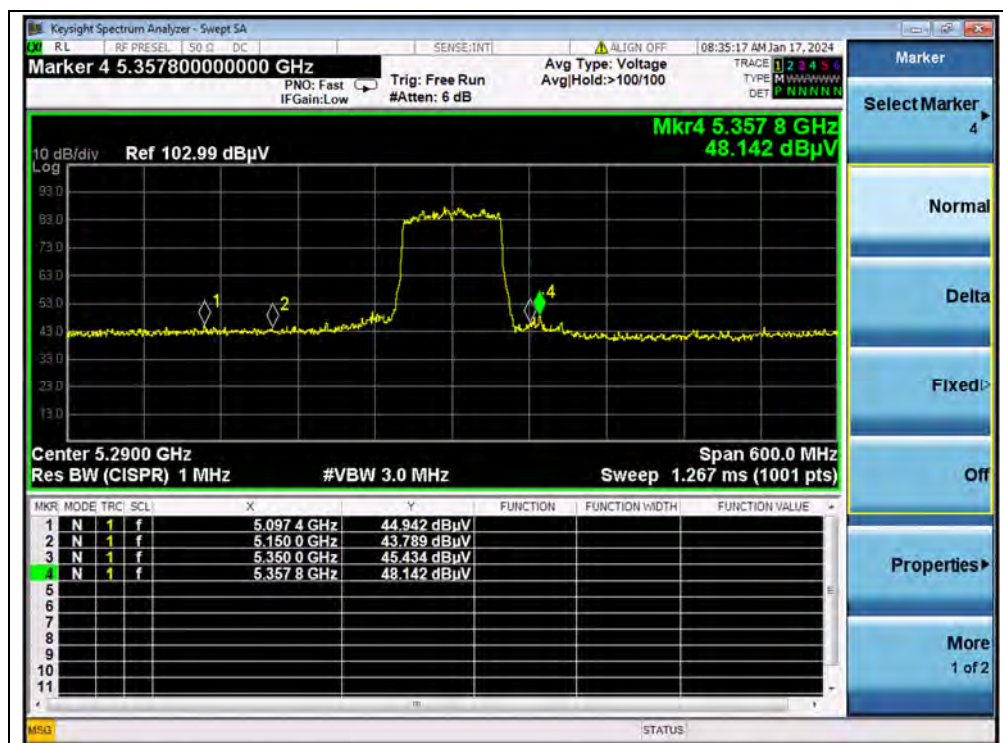
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
42	5150.00	PK	50.17	-19.54	32.20	62.83	74	PASS
42	5150.00	AV	39.92	-19.54	32.20	52.58	54	PASS
58	5357.80	PK	48.14	-18.80	32.20	61.54	74	PASS
58	5355.40	AV	38.19	-18.80	32.20	51.59	54	PASS
106	5452.62	PK	46.22	-19.20	32.20	59.22	74	PASS
106	5457.92	AV	38.37	-19.20	32.20	51.37	54	PASS
138	5748.79	PK	49.28	-19.20	32.20	62.28	68.23	PASS
155	5720.00	PK	63.79	-19.01	32.20	76.98	110.83	PASS
155	5850.00	PK	64.89	-19.01	32.20	78.08	122.23	PASS



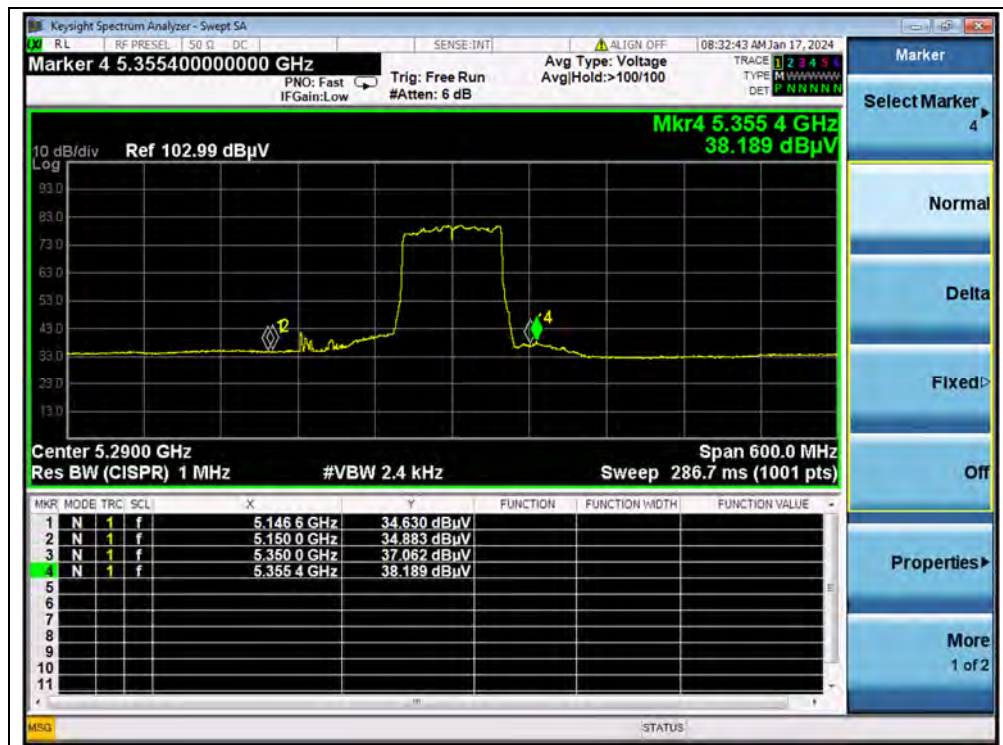
(PEAK, Channel 42, 802.11ac (VHT80))



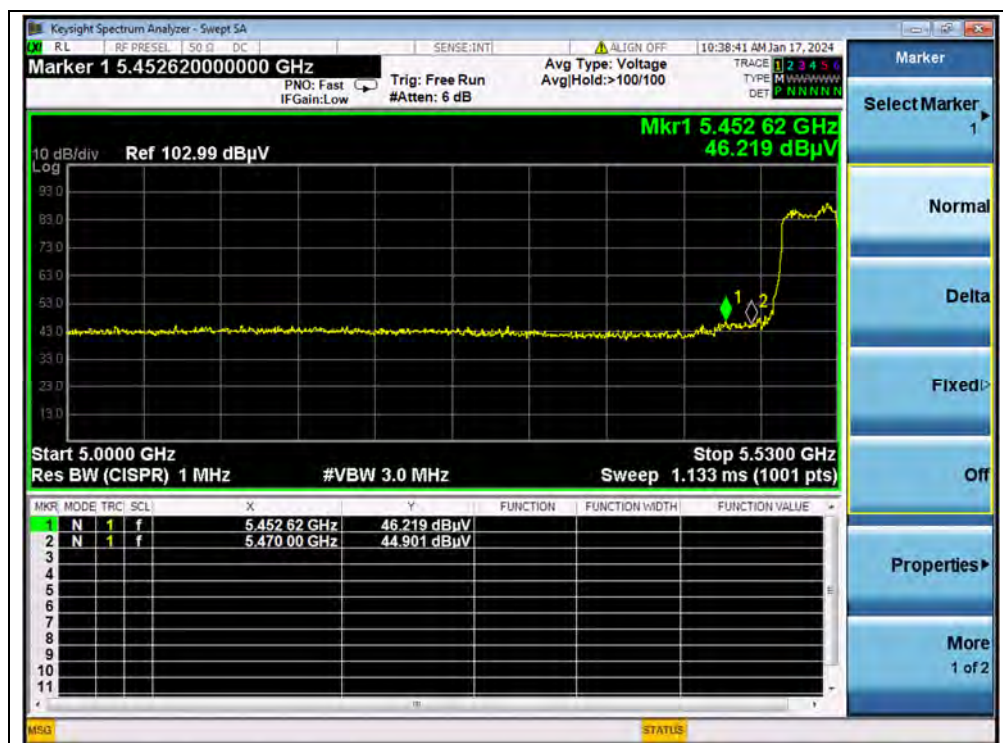
(AVERAGE, Channel 42, 802.11ac (VHT80))



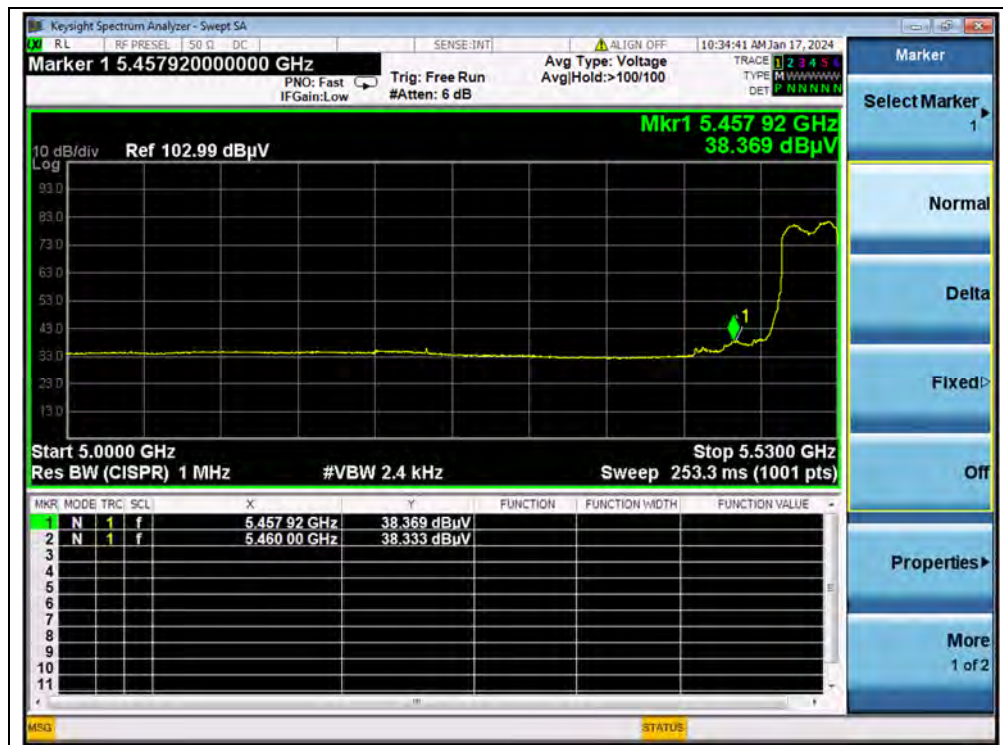
(PEAK, Channel 58, 802.11ac (VHT80))



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



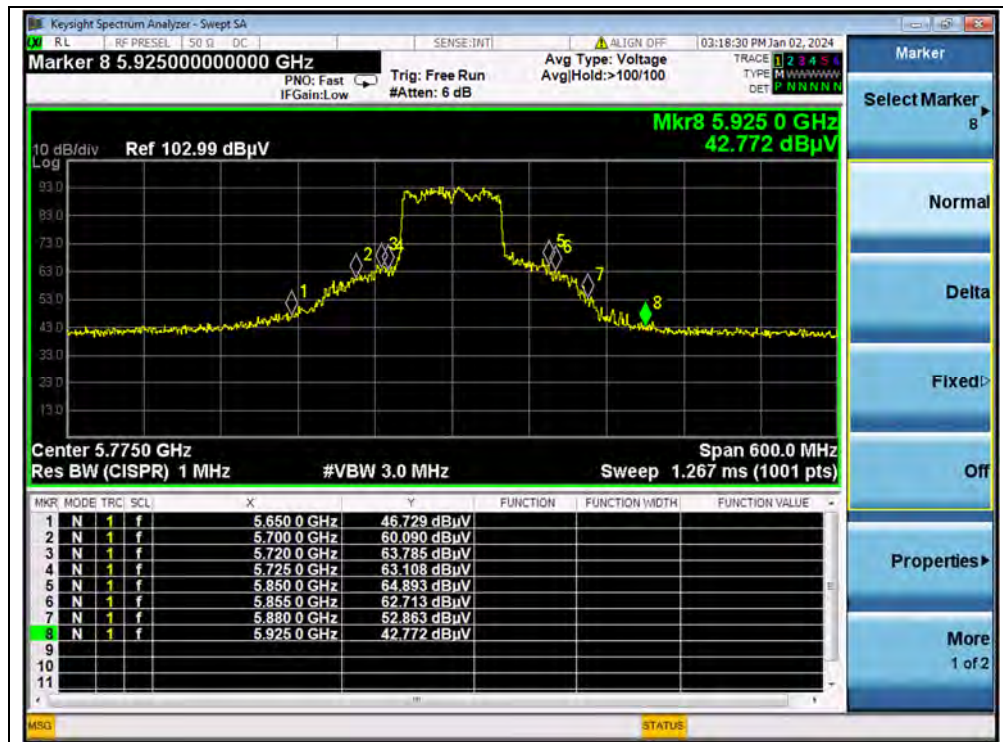
(PEAK, Channel 106, 802.11ac (VHT80))



(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_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

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

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

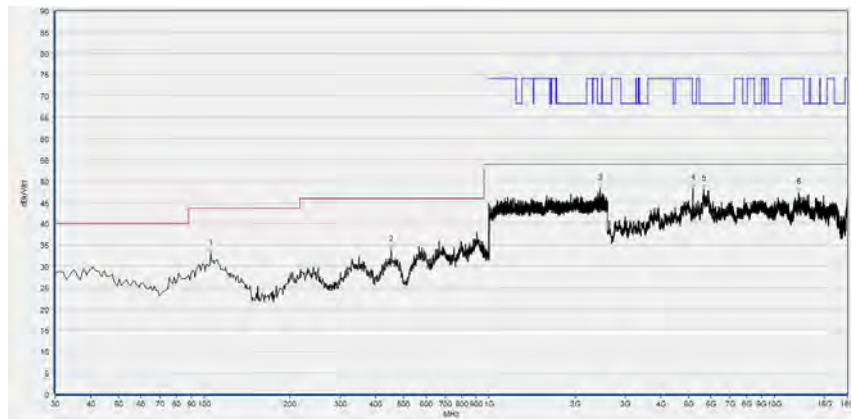
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the 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.

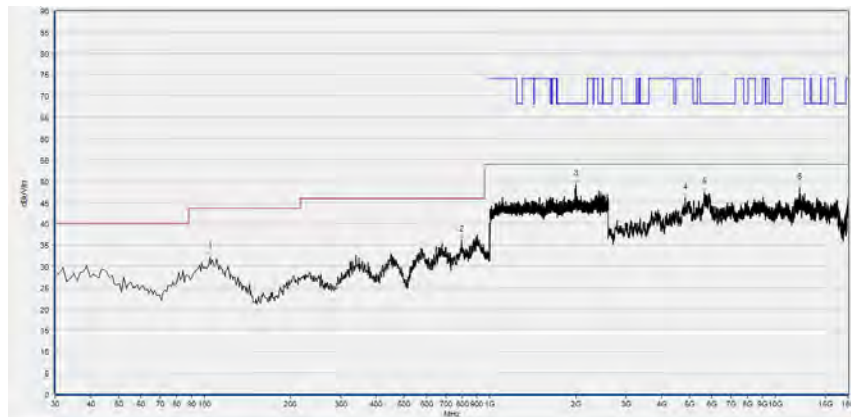
**802.11a Mode**

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
105.660	33.03	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
453.890	33.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2456.533	48.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5177.960	48.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5646.120	48.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12148.000	47.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

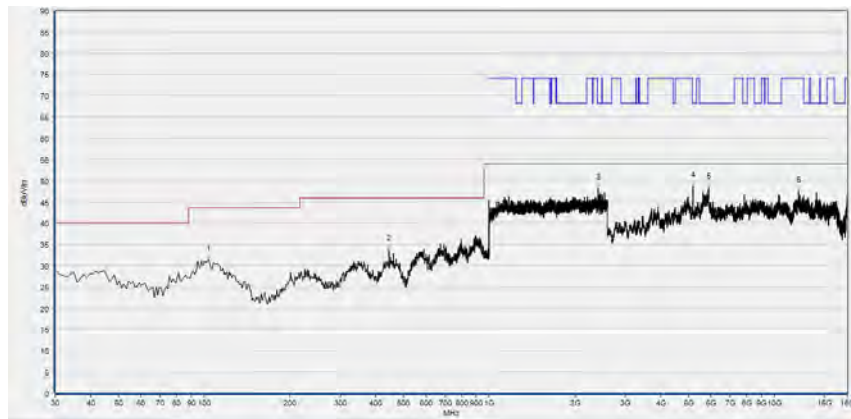


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	32.24	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
794.360	36.22	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2000.000	49.24	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4839.160	46.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5652.280	47.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12172.640	48.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

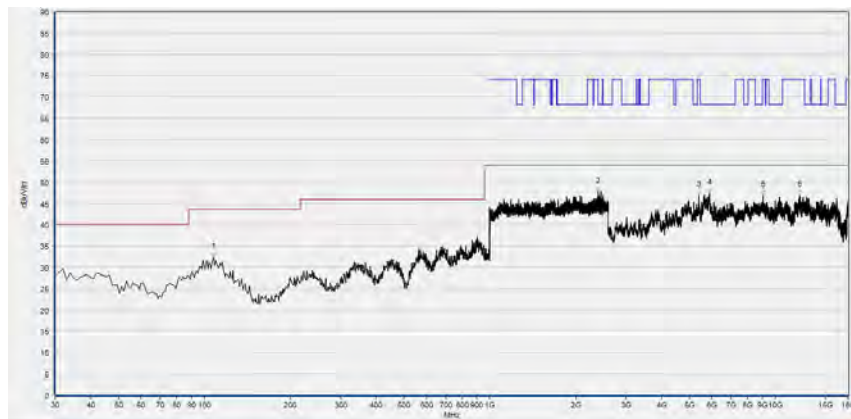


Plot for Channel 44



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
103.720	31.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
445.160	33.81	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2413.867	48.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5219.040	48.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5883.280	48.50	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12194.200	47.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

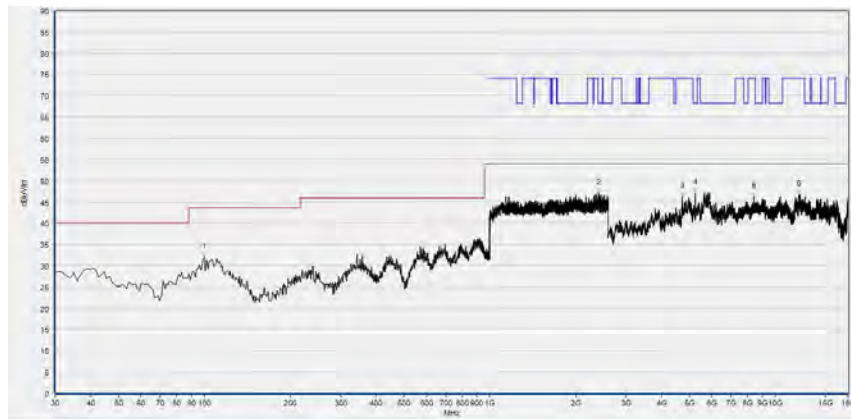


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	32.36	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2401.600	47.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5402.800	46.98	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5877.120	47.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9071.080	46.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12144.920	46.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

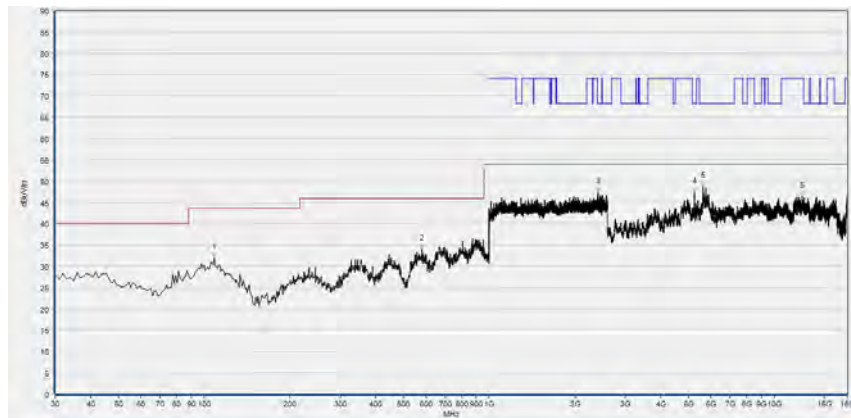


Plot for Channel 48



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
99.840	32.07	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2406.400	47.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4731.360	46.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5239.560	47.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8408.880	46.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12074.080	46.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

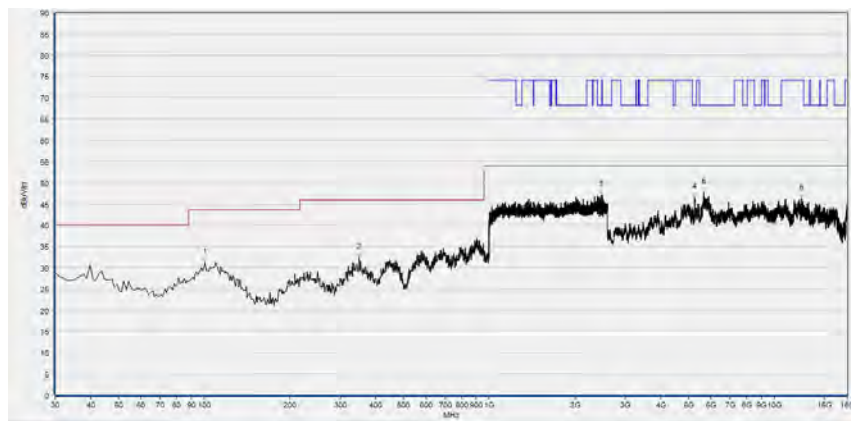


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	32.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
579.020	33.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2413.867	47.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5233.400	47.38	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5633.800	48.70	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12486.800	46.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

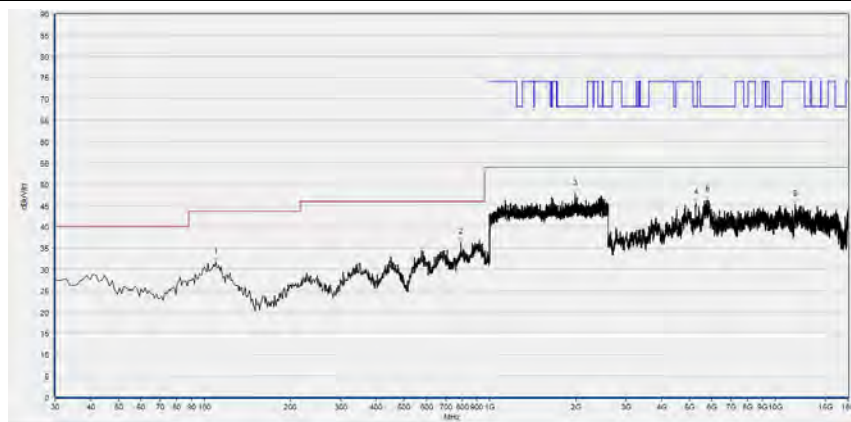


Plot for Channel 52



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
100.810	31.21	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
350.100	32.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2466.133	47.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5254.960	46.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5646.120	47.84	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12434.440	46.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

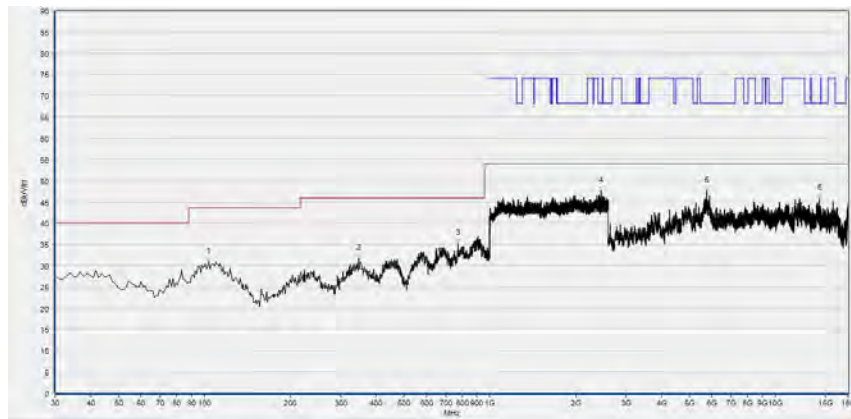


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	31.71	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
792.420	36.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1996.267	47.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5261.120	45.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5775.480	46.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11735.280	45.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

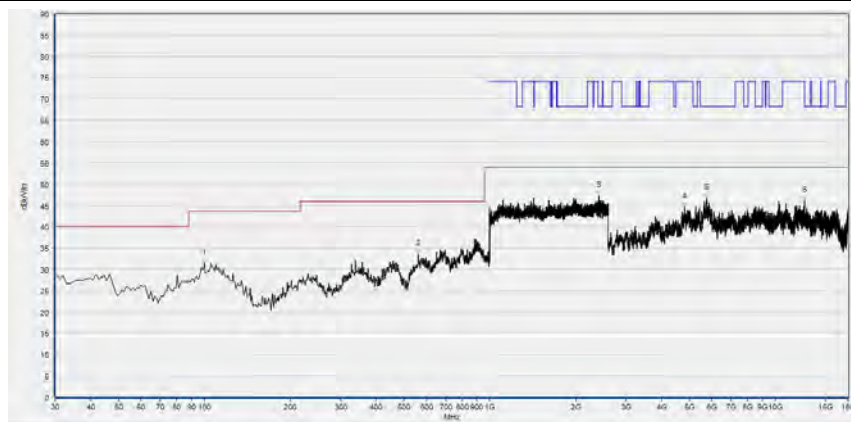


Plot for Channel 60



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
103.720	30.88	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
347.190	31.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
774.960	35.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2457.600	47.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5753.920	47.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14254.720	45.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

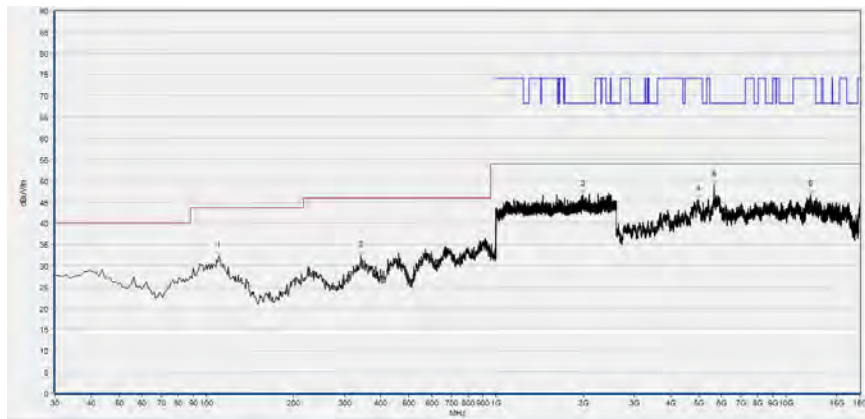
(Antenna Horizontal, 30MHz to 18GHz)



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
99.840	31.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
561.560	33.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2404.267	47.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4817.600	44.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5753.920	46.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12677.760	46.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

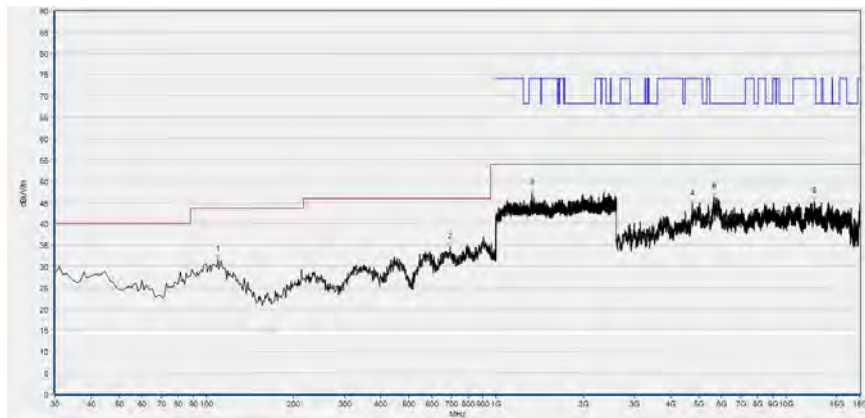
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	32.22	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
341.370	32.34	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1994.667	46.83	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4965.440	45.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5639.960	48.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12160.320	46.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

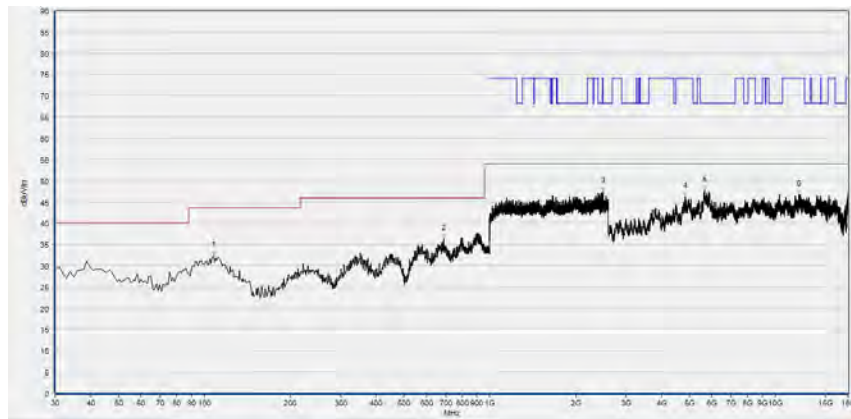


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	31.52	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
694.450	34.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1331.200	47.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4765.240	44.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5639.960	46.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12517.600	45.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

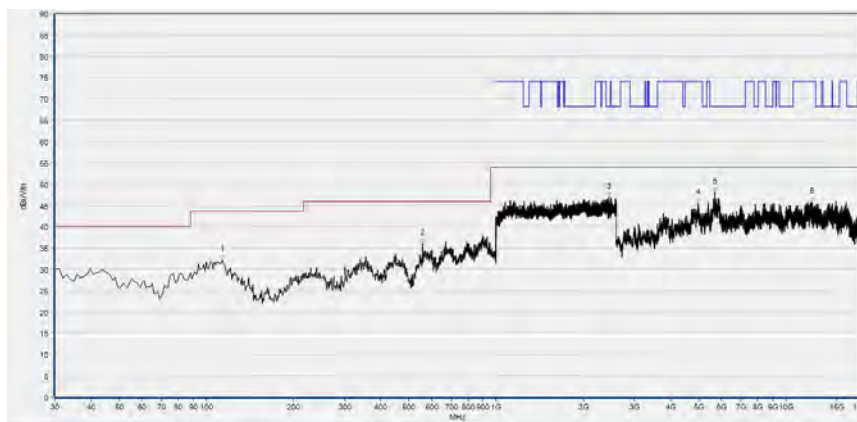


Plot for Channel 100



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
107.600	32.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
689.600	36.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2491.733	47.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4839.160	46.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5639.960	47.74	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12104.880	46.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

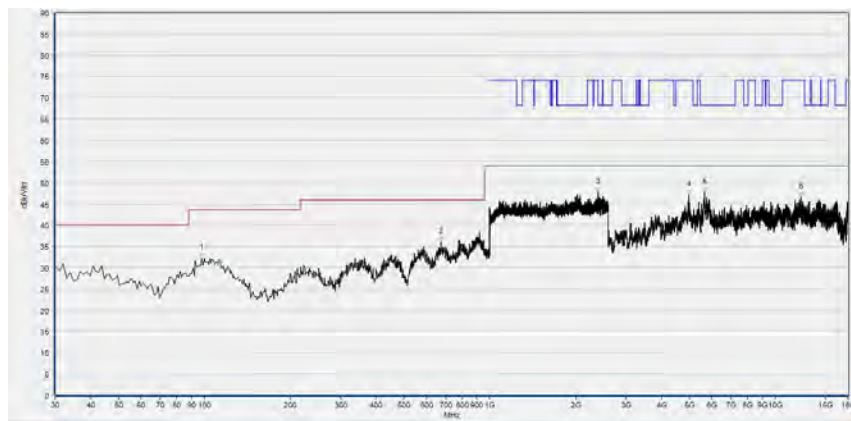
(Antenna Horizontal, 30MHz to 18GHz)



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
113.420	32.17	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
557.680	36.05	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2450.133	46.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4983.920	45.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5676.920	48.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12271.200	45.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

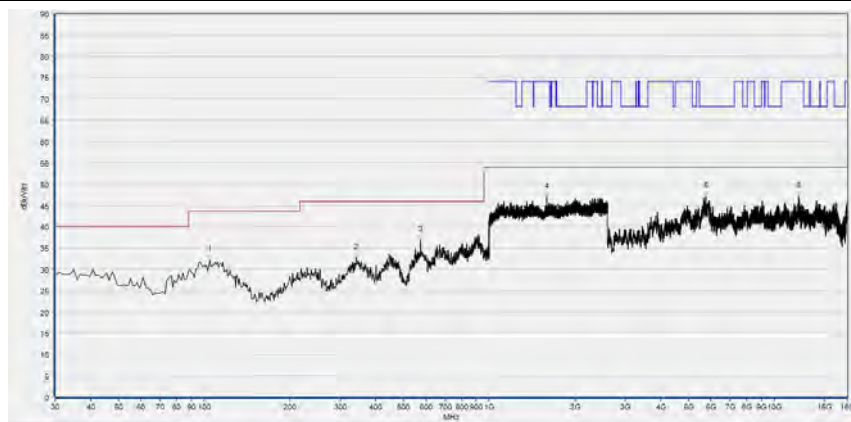
(Antenna Vertical, 30MHz to 18GHz)

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
97.900	32.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
673.110	35.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2389.867	47.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4971.600	47.17	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5658.440	47.71	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12302.000	46.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

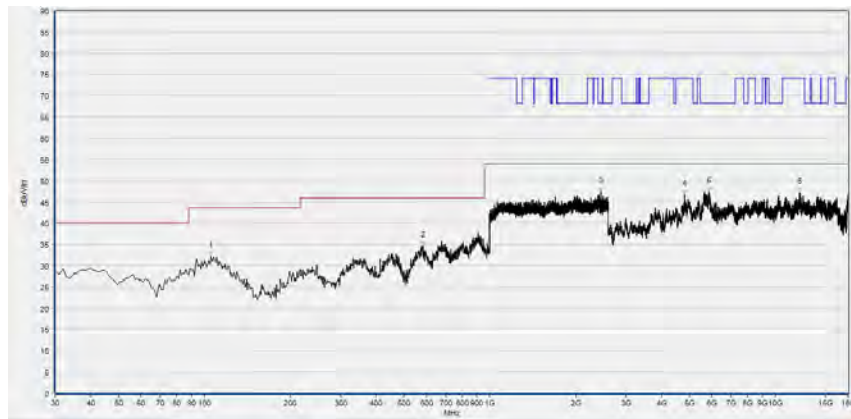
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	32.18	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
342.340	32.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
575.140	36.83	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1594.133	46.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5763.160	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12166.480	47.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

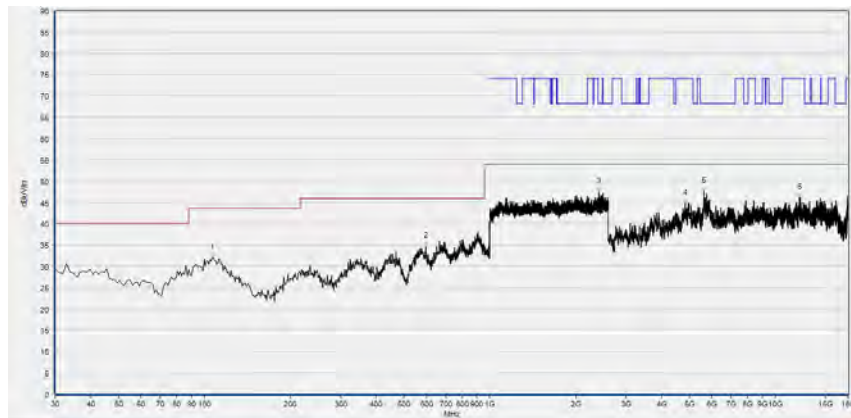
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	32.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
584.840	34.67	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2444.800	47.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4814.520	46.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5861.720	47.44	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12138.760	47.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

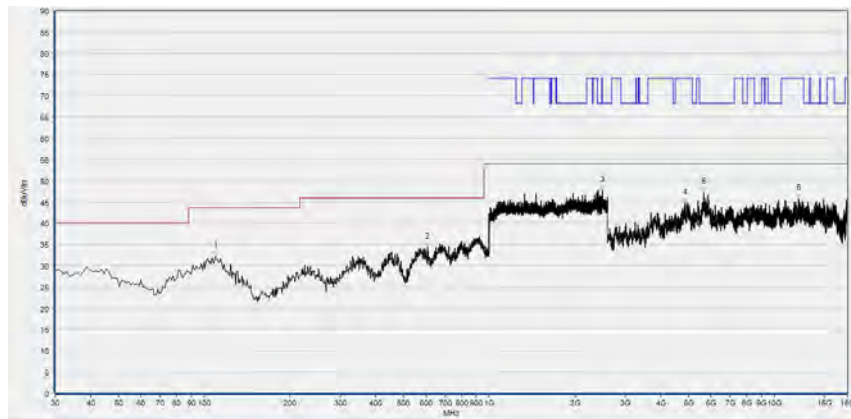
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	32.00	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
597.450	34.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2410.667	47.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4826.840	44.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5633.800	47.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12141.840	46.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

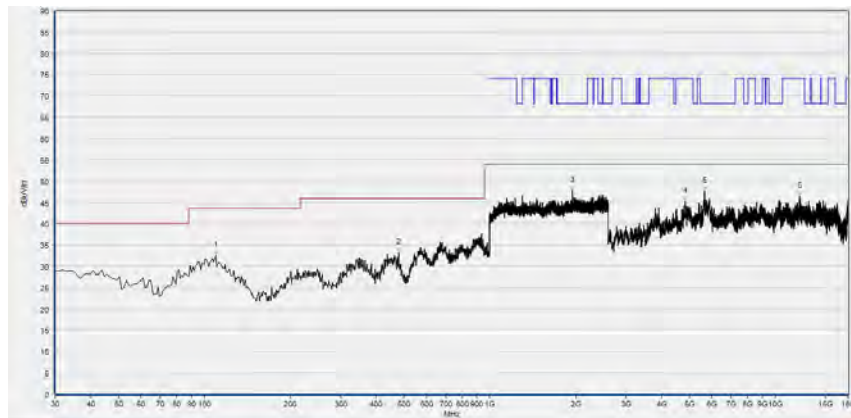
(Antenna Vertical, 30MHz to 18GHz)

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	32.24	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
608.120	34.38	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2487.467	47.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4854.560	44.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5646.120	47.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12166.480	45.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

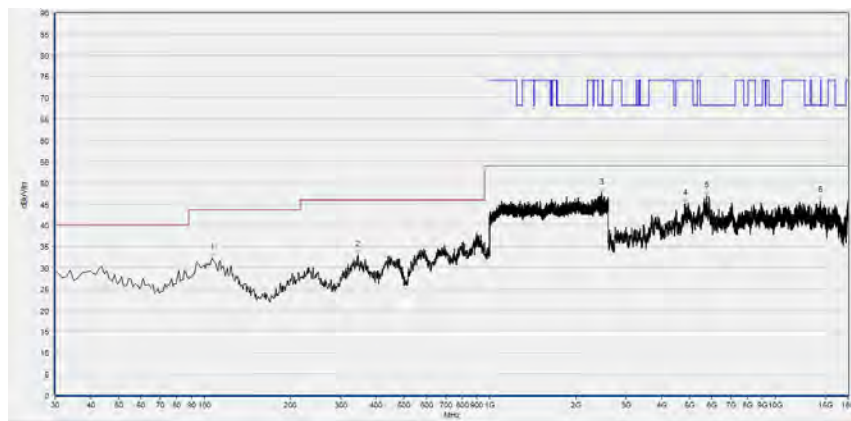


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
480.080	33.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1944.000	47.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4836.080	45.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5639.960	47.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12166.480	46.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

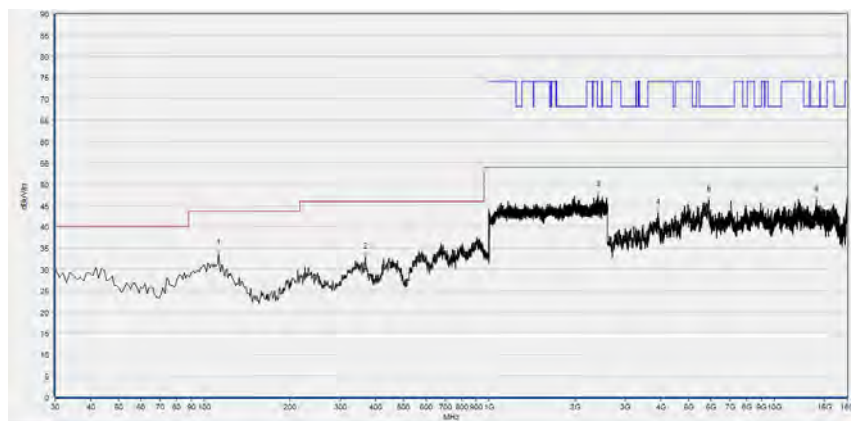


Plot for Channel 157



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
106.630	32.22	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
346.220	32.97	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2459.733	47.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4829.920	45.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5750.840	46.98	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14393.320	45.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

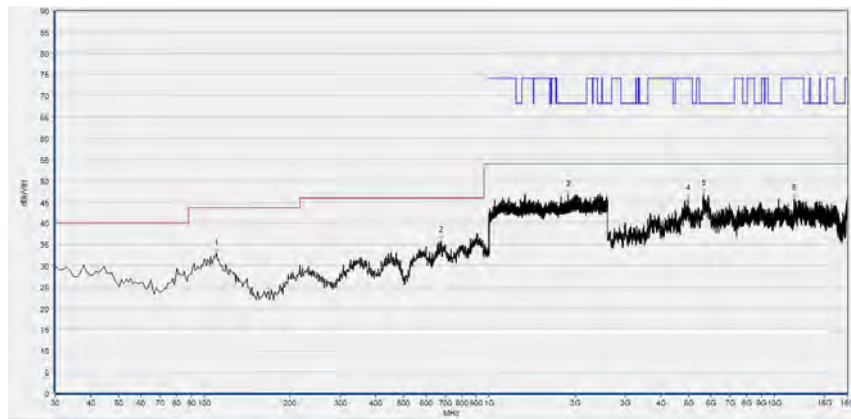


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	33.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
367.560	32.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2414.400	47.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3915.160	43.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5874.040	46.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14026.800	46.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

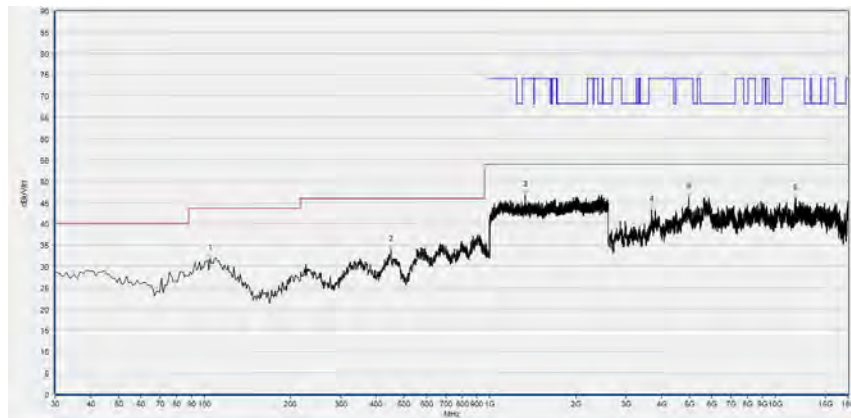


Plot for Channel 165



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
110.510	32.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
676.990	35.94	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1889.600	46.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4980.840	45.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5639.960	46.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11735.280	45.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

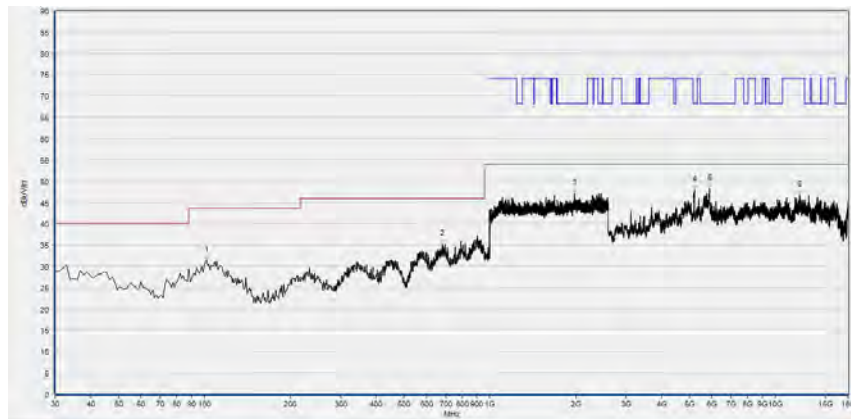


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	31.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
450.010	33.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1331.733	46.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3684.160	43.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4971.600	46.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11747.600	45.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

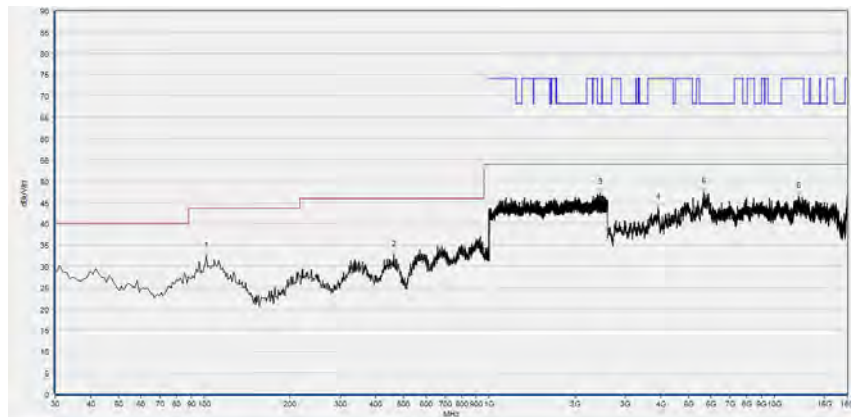
**802.11n (HT40) mode**

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
101.780	31.39	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
681.840	35.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1983.467	47.11	N/A	N/A	68.23	N/A	68.23	Horizontal	PASS
5205.680	47.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5870.960	48.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12175.720	46.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

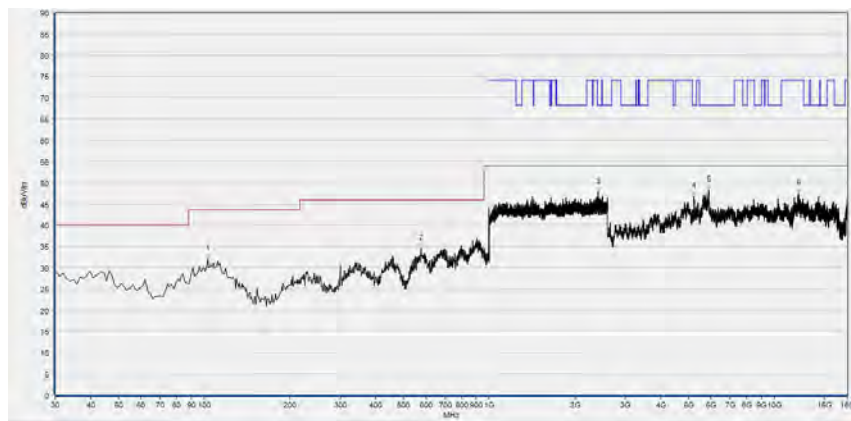


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	32.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
462.620	32.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2453.867	47.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3915.160	43.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5658.440	47.50	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12163.400	46.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

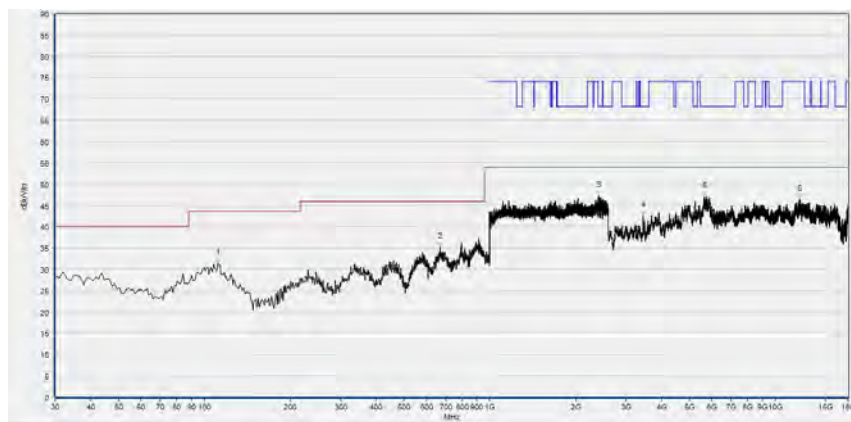


Plot for Channel 46



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
102.750	31.93	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
576.110	34.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2405.867	47.68	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5221.080	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5874.040	48.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12144.920	47.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

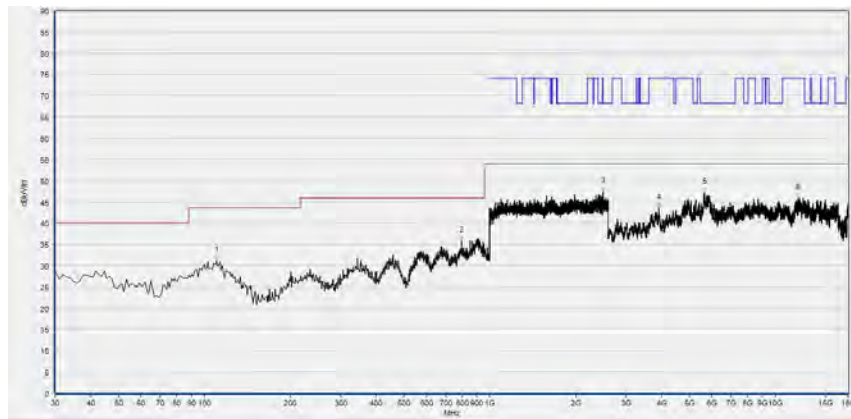


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.480	31.33	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
669.230	35.15	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2412.267	47.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3447.000	42.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5658.440	47.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12197.280	46.48	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

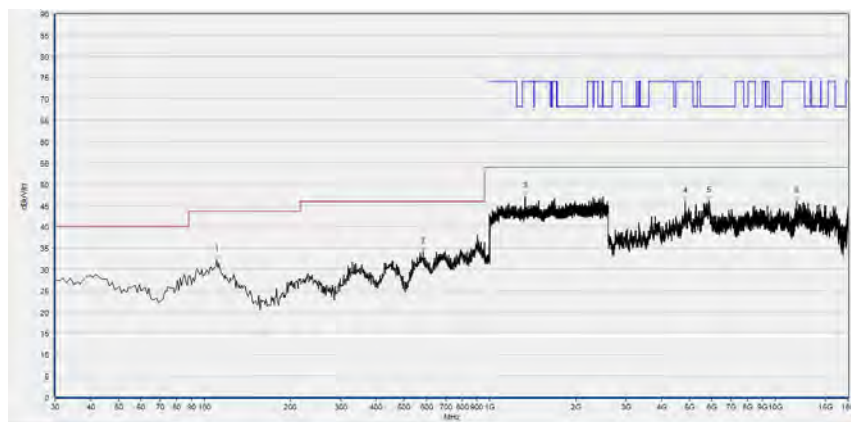


Plot for Channel 54



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
110.510	31.19	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
795.330	35.95	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2491.200	47.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3905.920	43.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5667.680	47.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12046.360	45.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

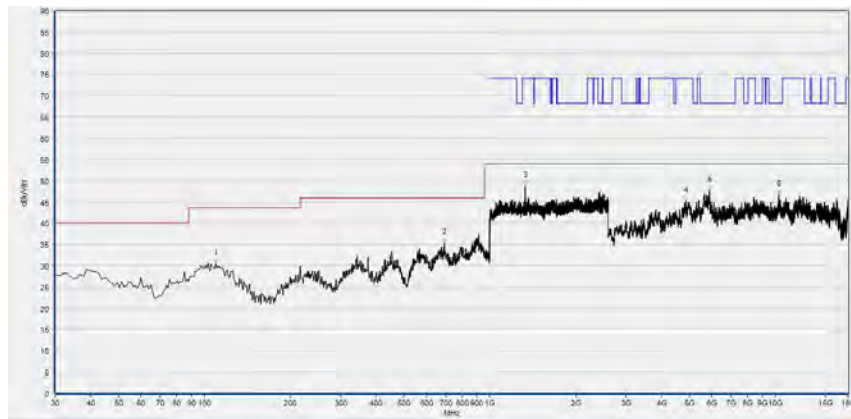
(Antenna Horizontal, 30MHz to 18GHz)



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	32.22	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
582.900	34.13	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1332.267	47.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4848.400	45.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5864.800	46.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11867.720	45.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

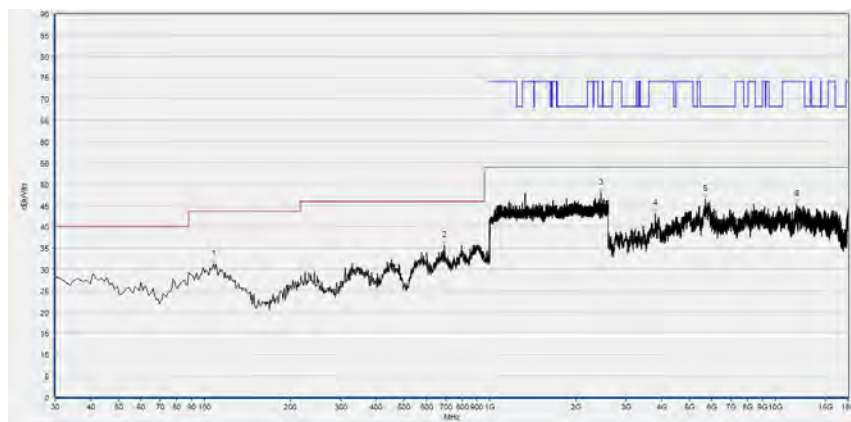
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 62



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	30.55	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
694.450	35.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1332.800	48.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4854.560	45.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5886.360	47.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10312.320	46.83	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

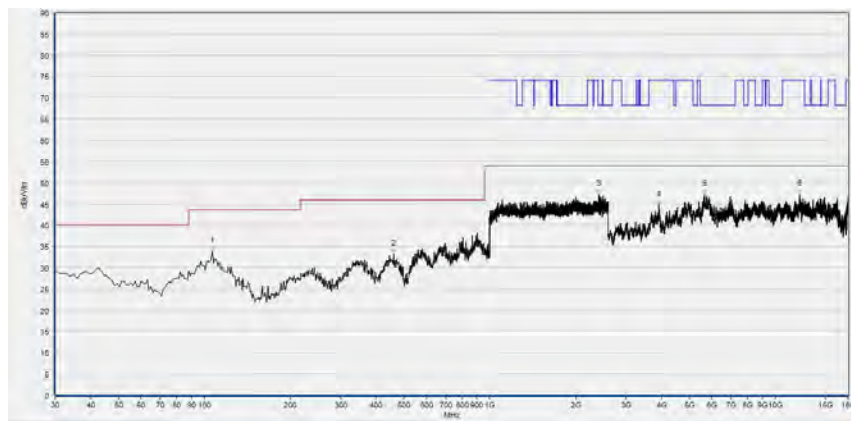


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	31.09	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
693.480	35.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2452.800	47.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3791.960	43.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5680.000	46.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11873.880	45.33	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

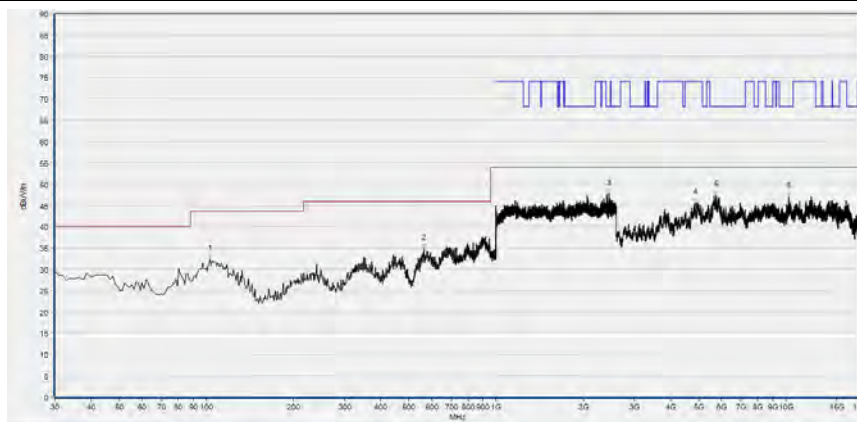


Plot for Channel 102



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
106.630	33.84	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
460.680	33.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2406.933	47.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3909.000	44.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5646.120	47.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12181.880	47.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

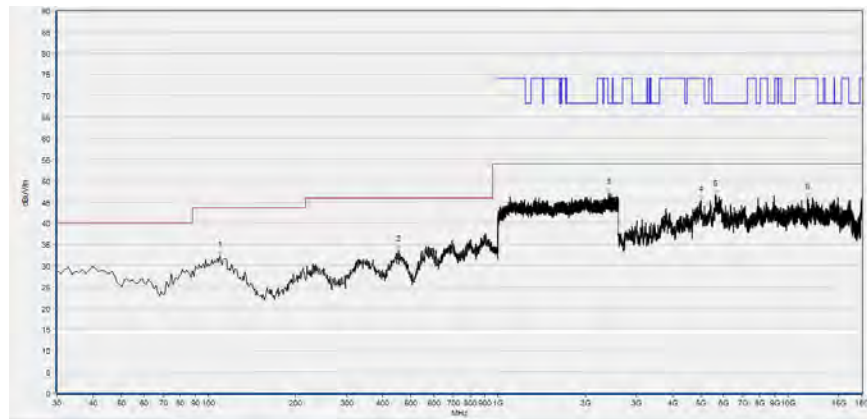
(Antenna Horizontal, 30MHz to 18GHz)



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	32.34	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
564.470	34.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2446.933	47.80	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4854.560	45.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5750.840	47.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10207.600	47.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

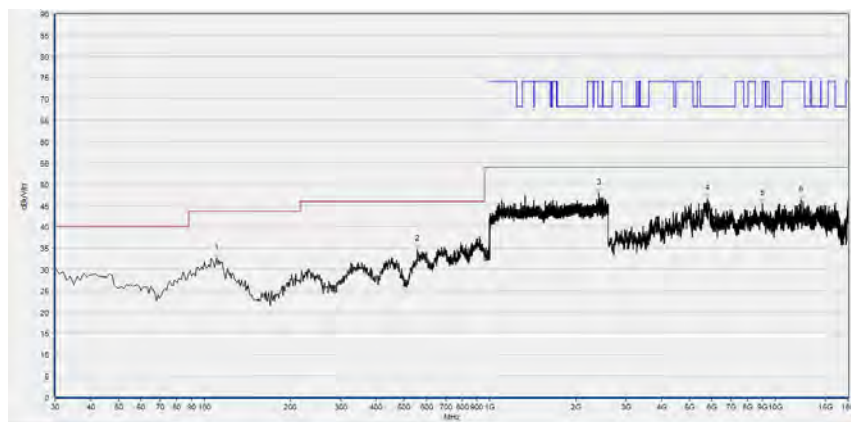
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
452.920	33.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2410.133	47.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5005.480	45.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5624.560	46.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11713.720	45.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

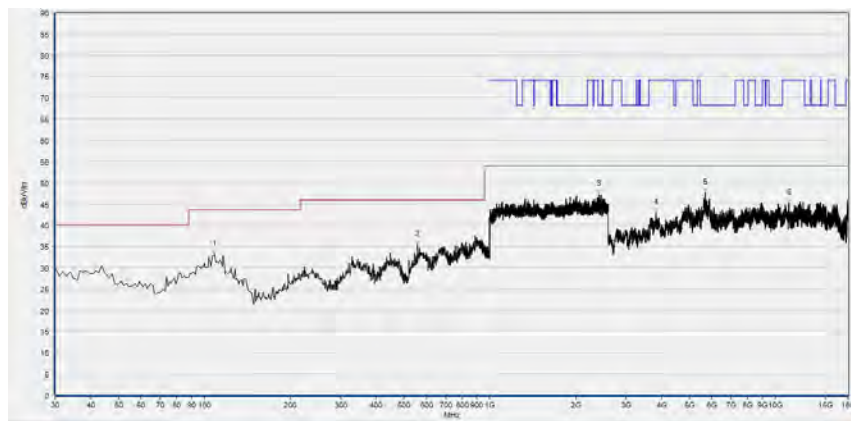
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	32.57	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
556.710	34.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2409.600	47.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5775.480	46.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8994.080	45.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12295.840	46.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

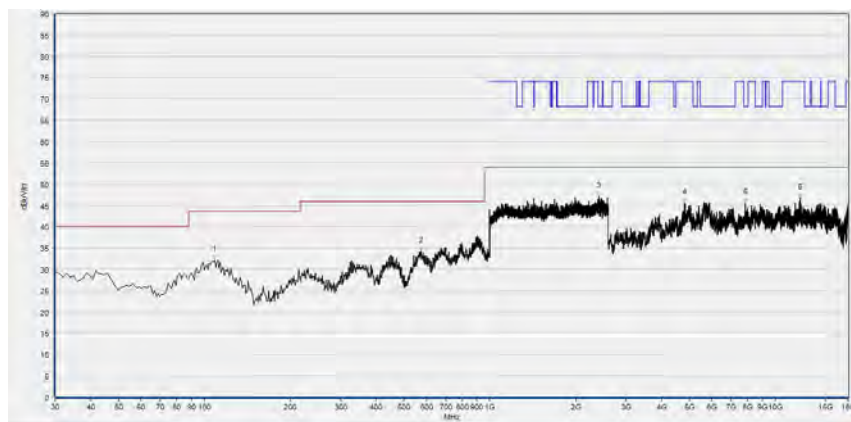
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 142



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	33.20	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
558.650	35.35	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2407.467	47.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3816.600	42.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5698.480	47.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11140.840	45.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

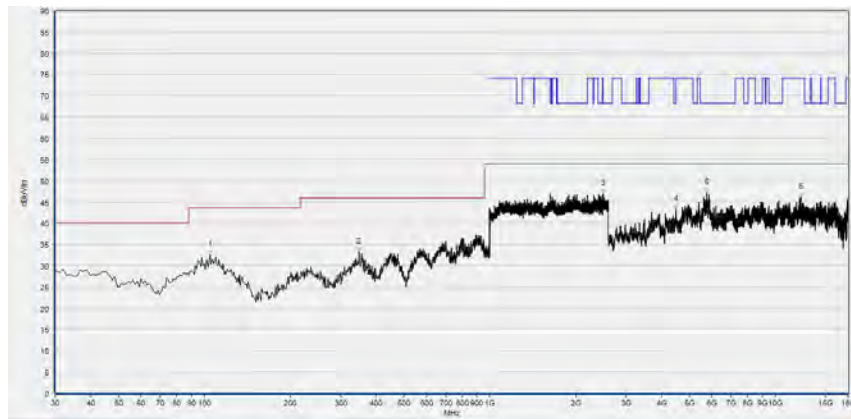
(Antenna Horizontal, 30MHz to 18GHz)



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
108.570	32.14	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
572.230	34.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2405.867	47.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4814.520	45.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7842.160	45.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12209.600	46.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

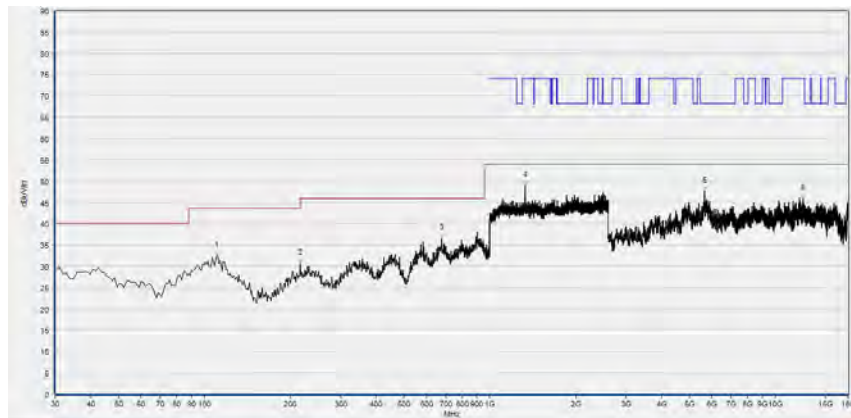
(Antenna Vertical, 30MHz to 18GHz)

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	32.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
348.160	33.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2494.400	47.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4481.880	43.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5757.000	47.17	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12289.680	46.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

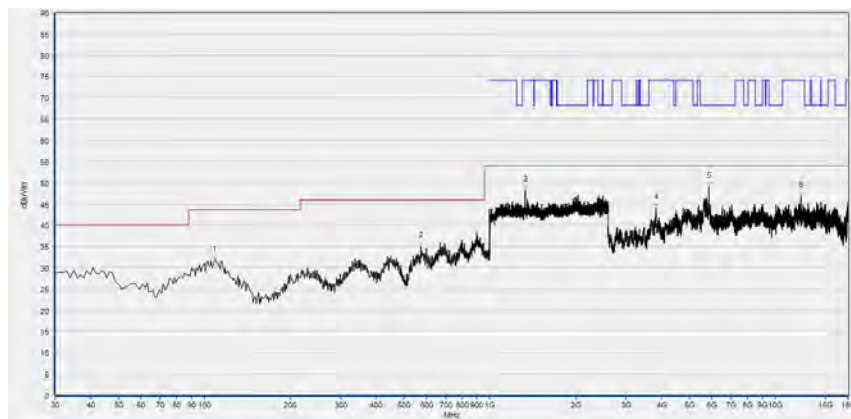


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	32.31	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
216.240	30.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
676.990	36.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1327.467	48.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5639.960	47.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12514.520	45.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

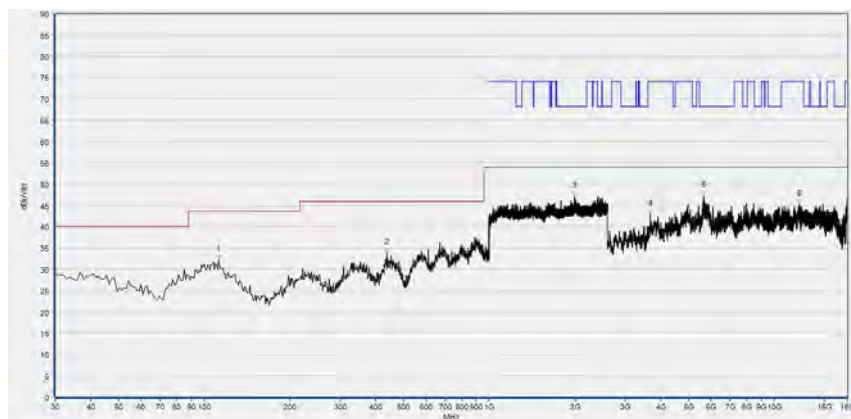


Plot for Channel 159



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
108.570	31.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
572.230	34.95	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1333.333	48.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3816.600	44.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5861.720	49.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12289.680	47.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

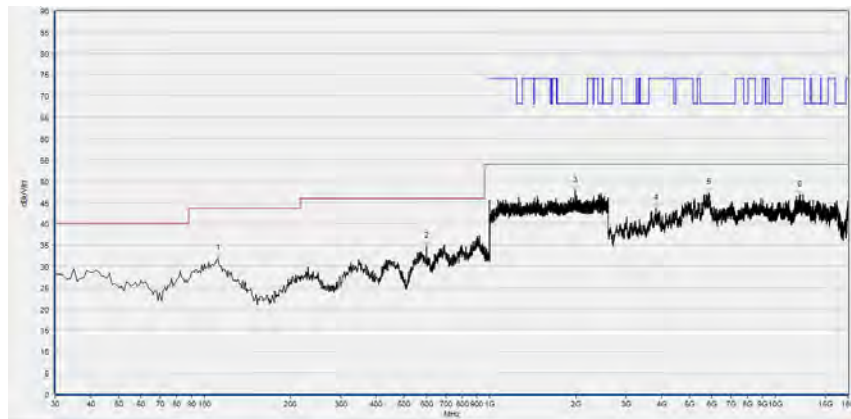


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	32.25	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
437.400	33.87	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1991.467	47.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3678.000	42.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5636.880	47.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12200.360	45.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

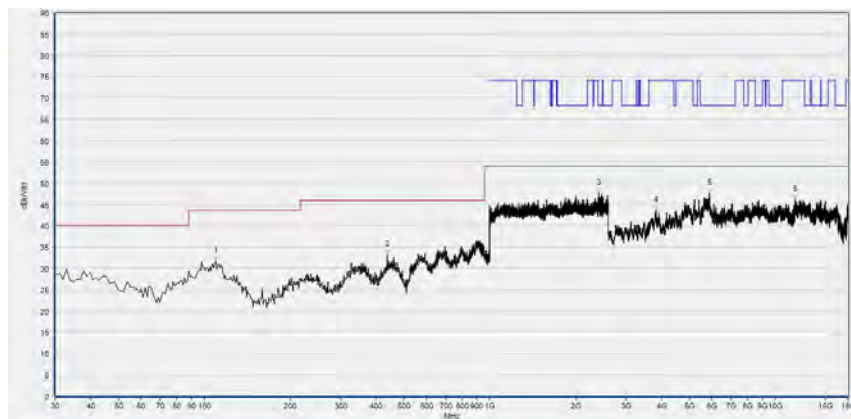
**802.11ac (VHT80) Mode**

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
111.480	31.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
599.390	34.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1993.067	47.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3819.680	43.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5861.720	47.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12148.000	46.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

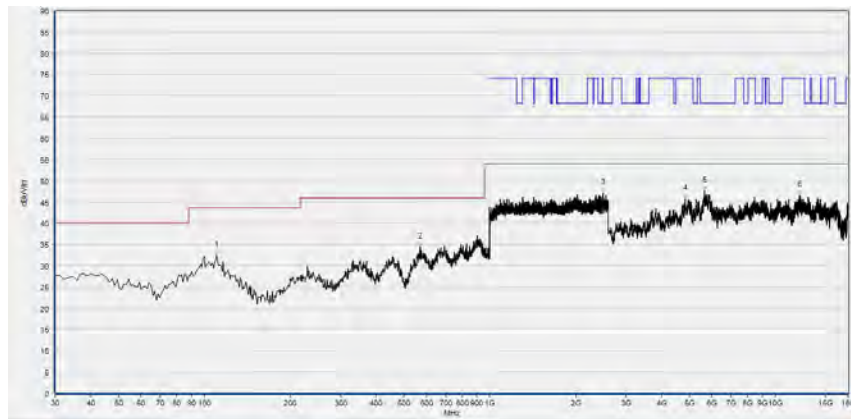
(Antenna Horizontal, 30MHz to 18GHz)



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	31.74	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
436.430	33.22	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2409.600	47.60	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3816.600	43.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5867.880	47.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11741.440	46.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

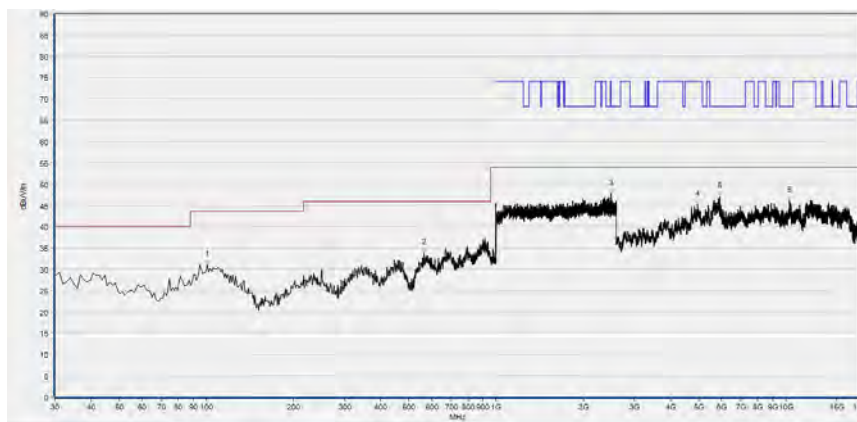
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	32.29	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
569.320	34.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2491.733	47.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4829.920	45.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5646.120	47.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12166.480	46.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

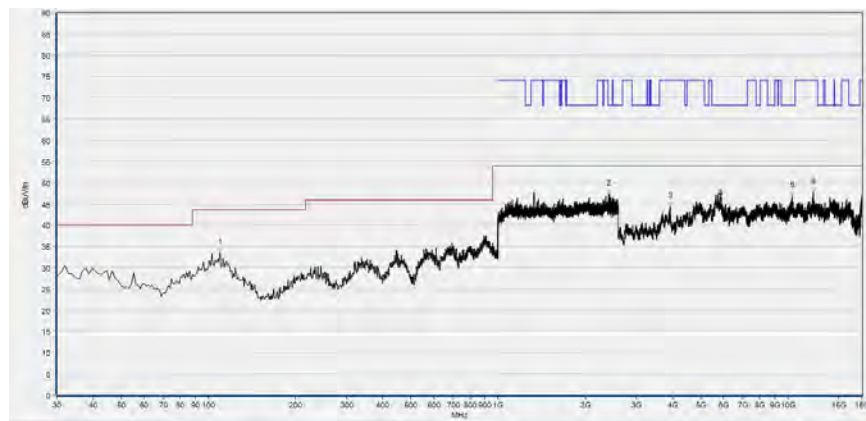
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	30.93	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
564.470	33.88	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2490.133	47.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4959.280	45.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5901.760	47.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10300.000	46.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

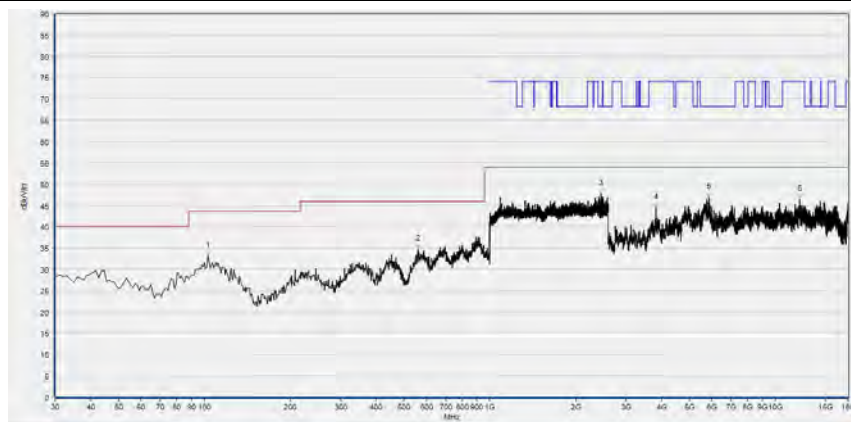
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	33.53	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2411.200	47.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3921.320	44.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5849.400	47.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10336.960	46.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12206.520	47.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

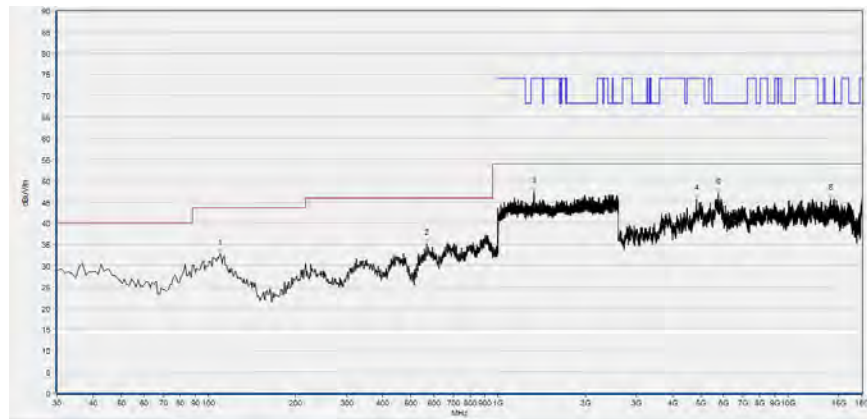


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	33.20	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
560.590	34.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2452.800	47.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3822.760	44.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5864.800	46.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12197.280	46.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

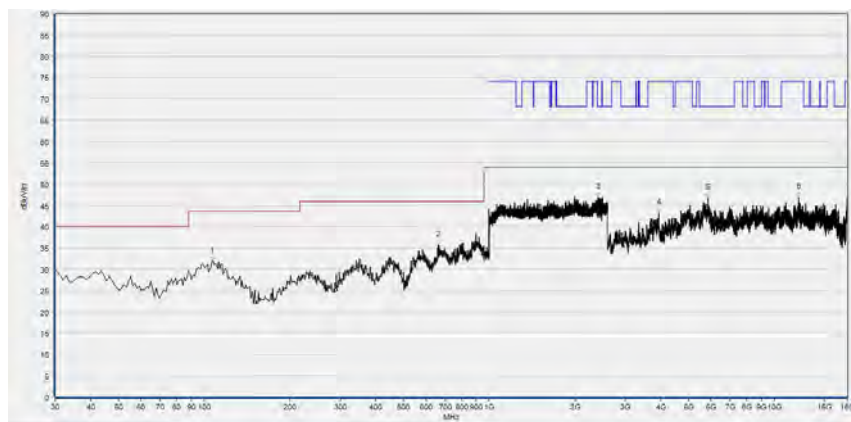


Plot for Channel 122



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
109.540	32.88	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
565.440	35.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1326.933	47.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4826.840	45.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5741.600	47.14	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14079.160	45.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

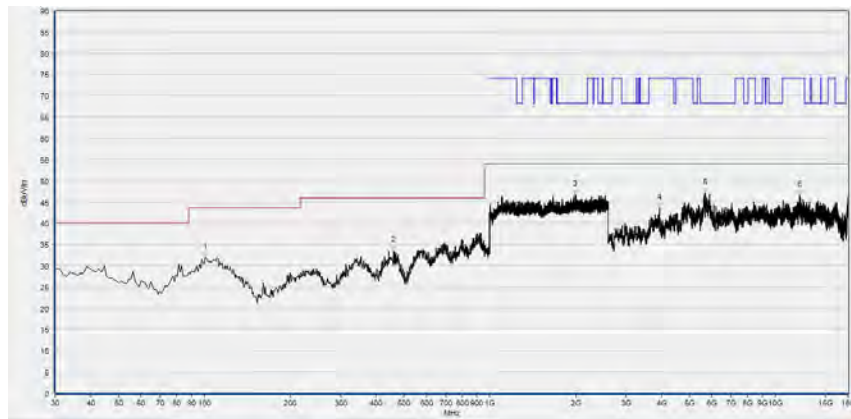
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	31.85	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
662.440	35.74	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2409.067	46.90	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3930.560	43.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5864.800	46.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12166.480	46.90	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

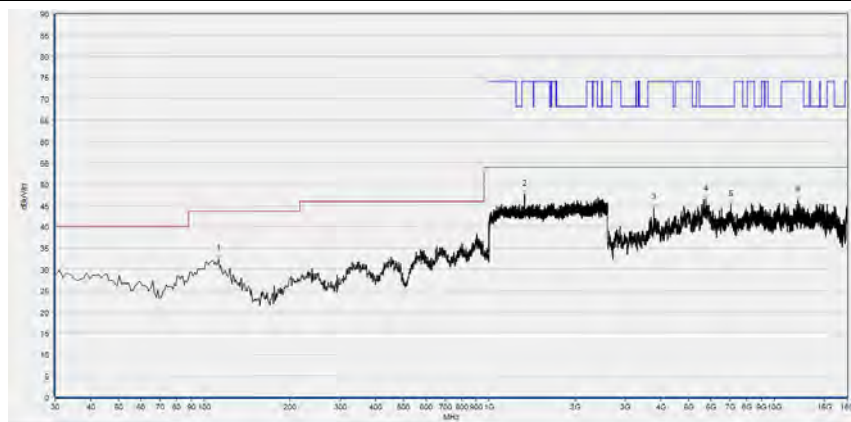
(Antenna Vertical, 30MHz to 18GHz)

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
100.810	31.93	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
459.710	33.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1996.800	46.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3927.480	43.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5676.920	47.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12163.400	46.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

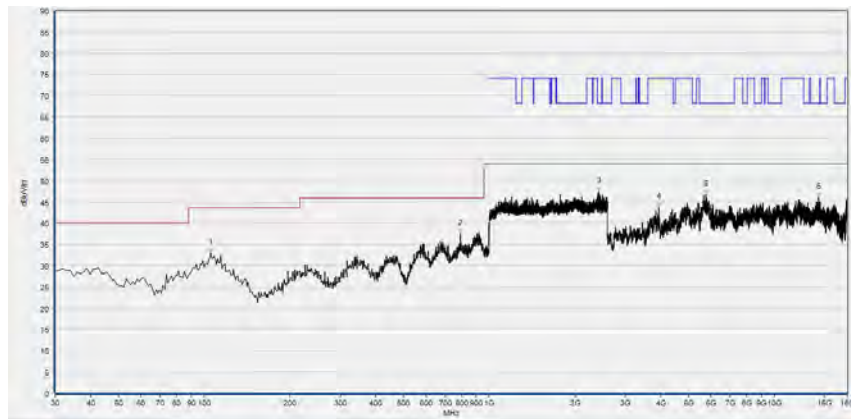
(Antenna Horizontal, 30MHz to 18GHz)



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	32.27	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
1329.600	47.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3785.800	44.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5750.840	46.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7019.800	45.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12120.280	46.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

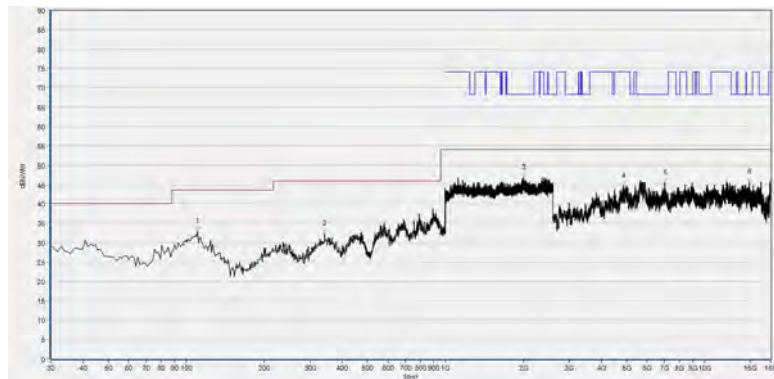
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 155



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	33.00	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
792.420	37.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2417.067	47.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3924.400	43.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5753.920	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14279.360	46.06	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	33.06	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
342.340	32.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1997.867	46.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4876.120	44.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7016.720	45.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14861.480	45.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT