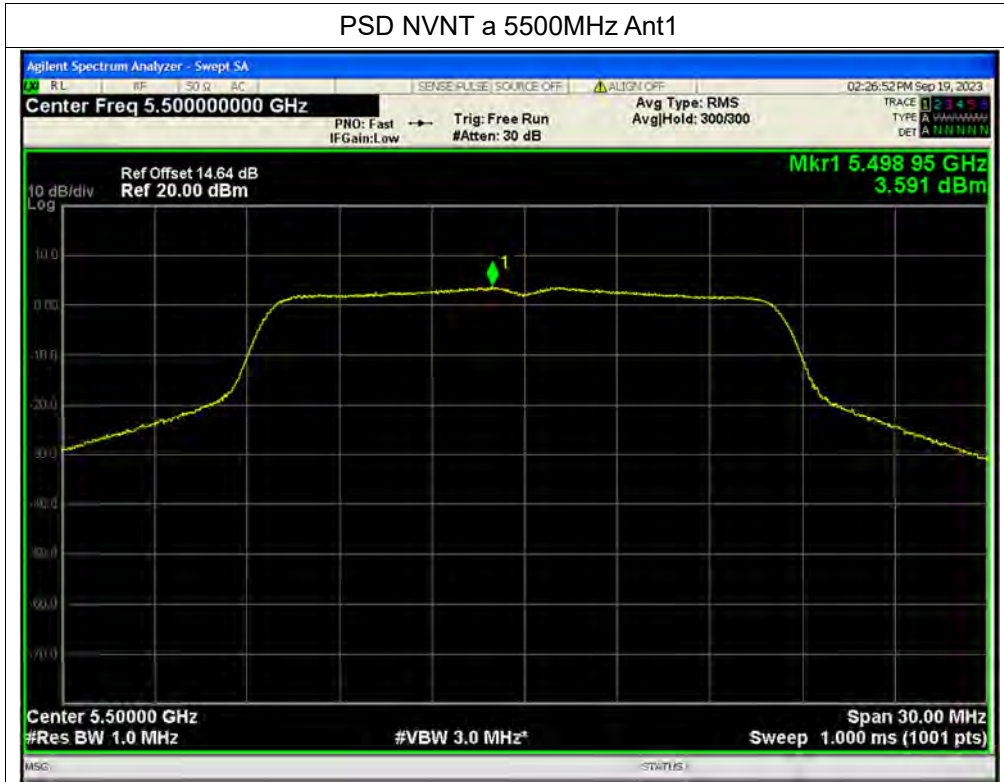
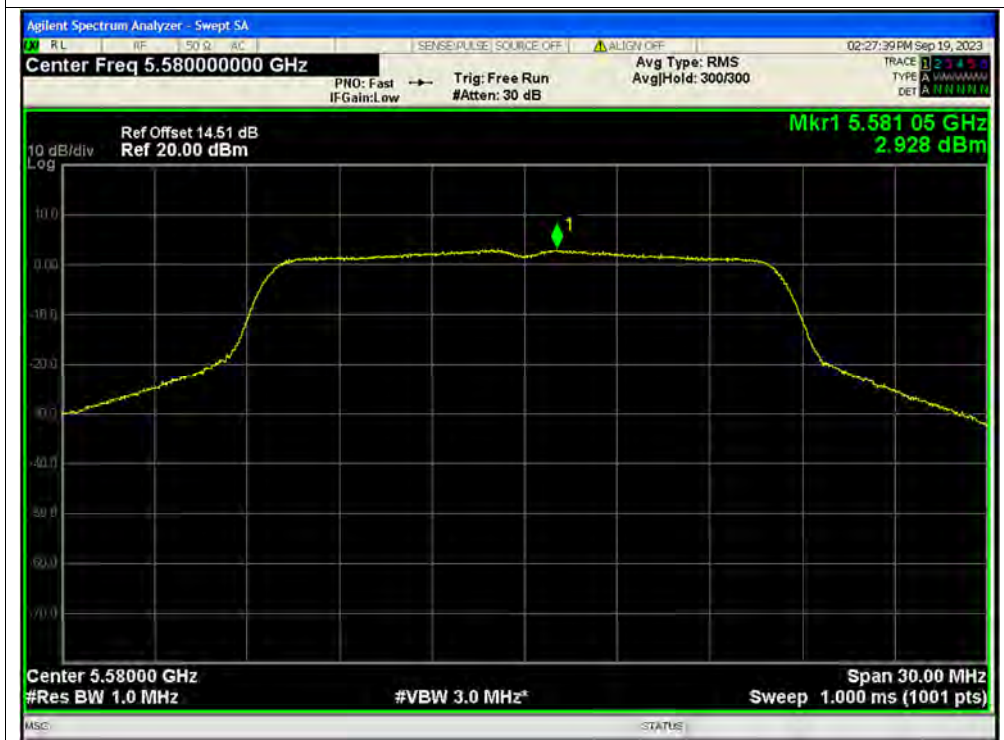




PSD NVNT a 5500MHz Ant1

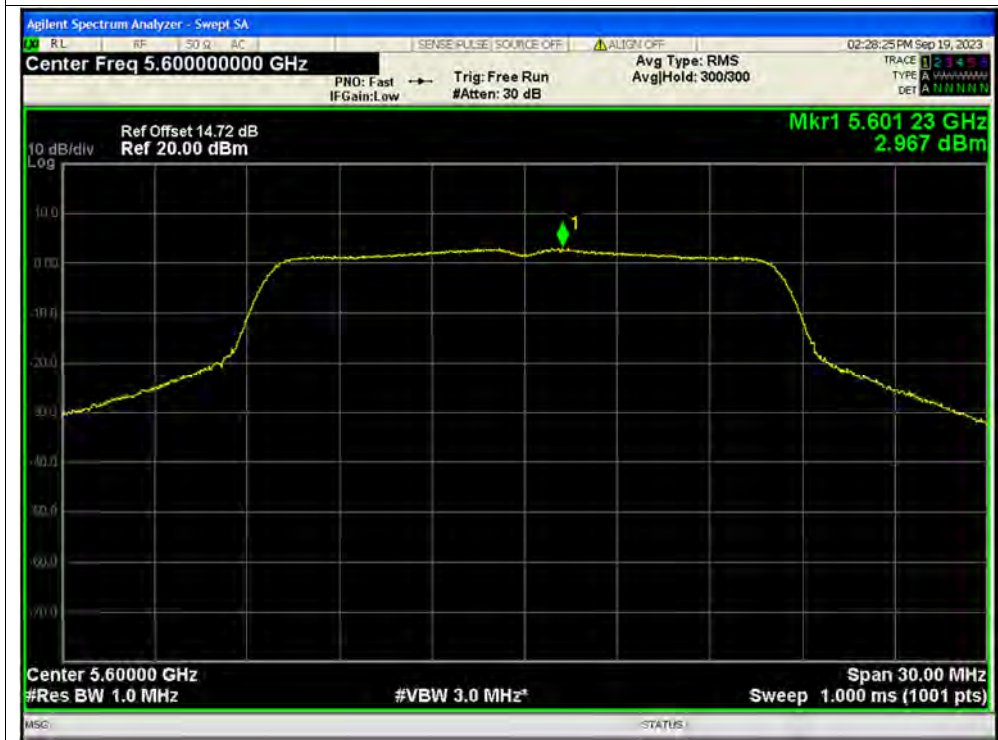


PSD NVNT a 5580MHz Ant1

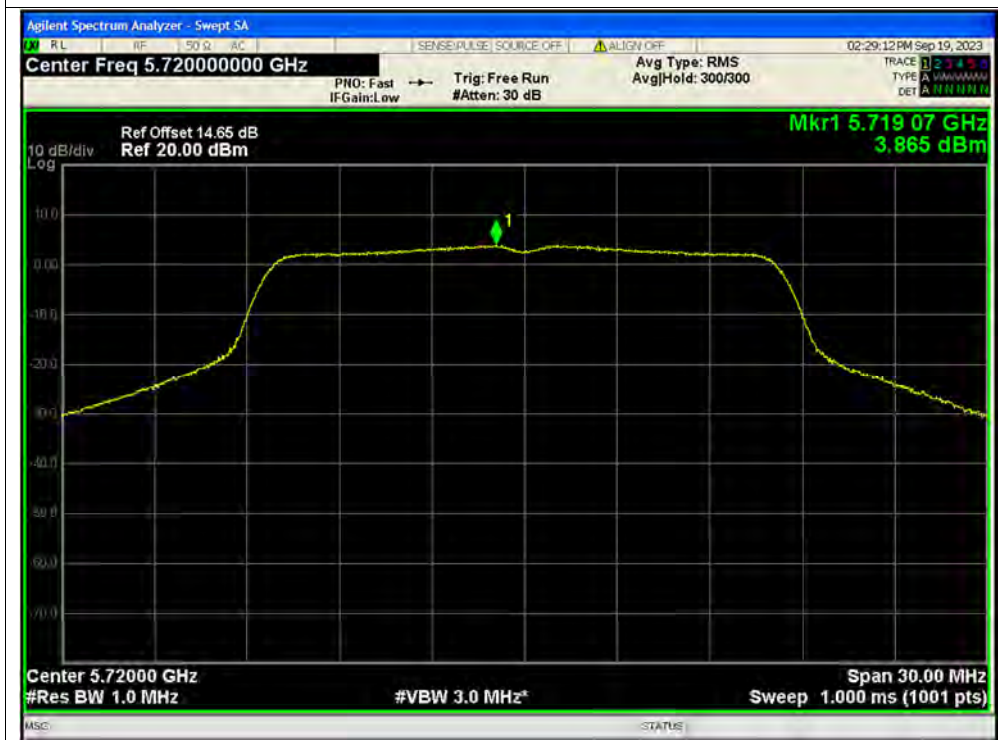




PSD NVNT a 5600MHz Ant1

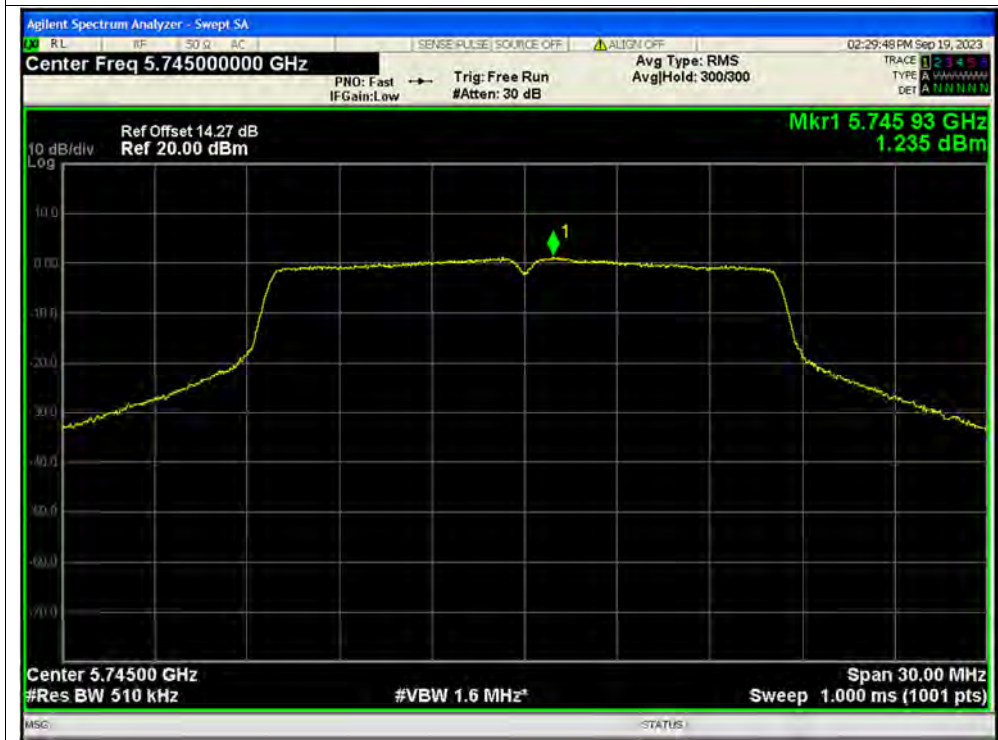


PSD NVNT a 5720MHz Ant1

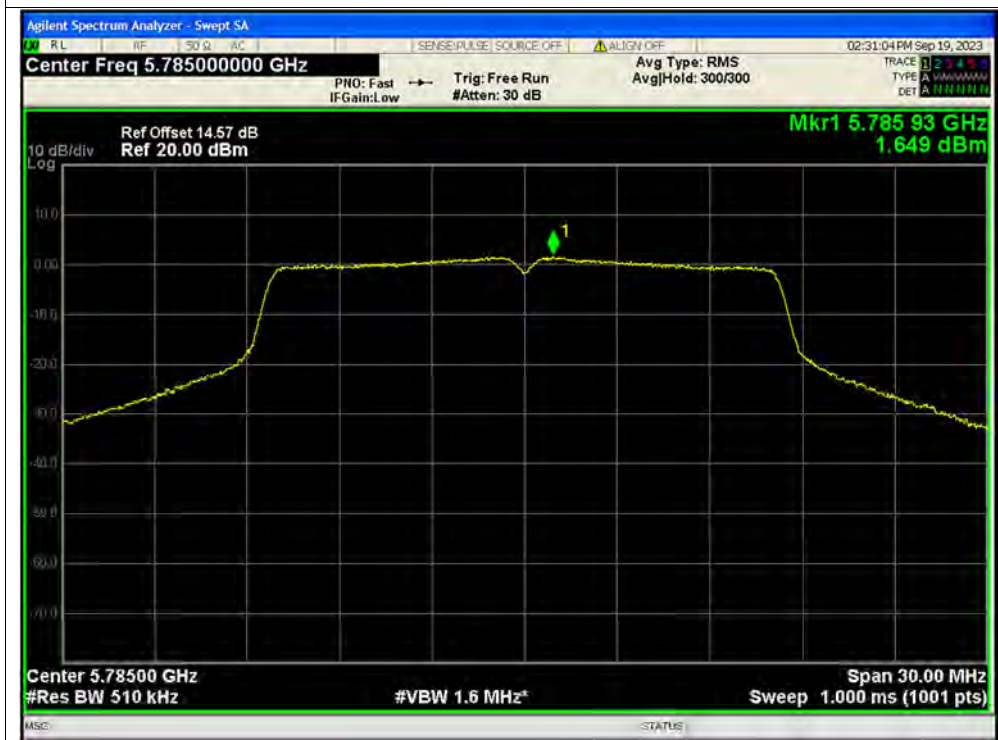




PSD NVNT a 5745MHz Ant1

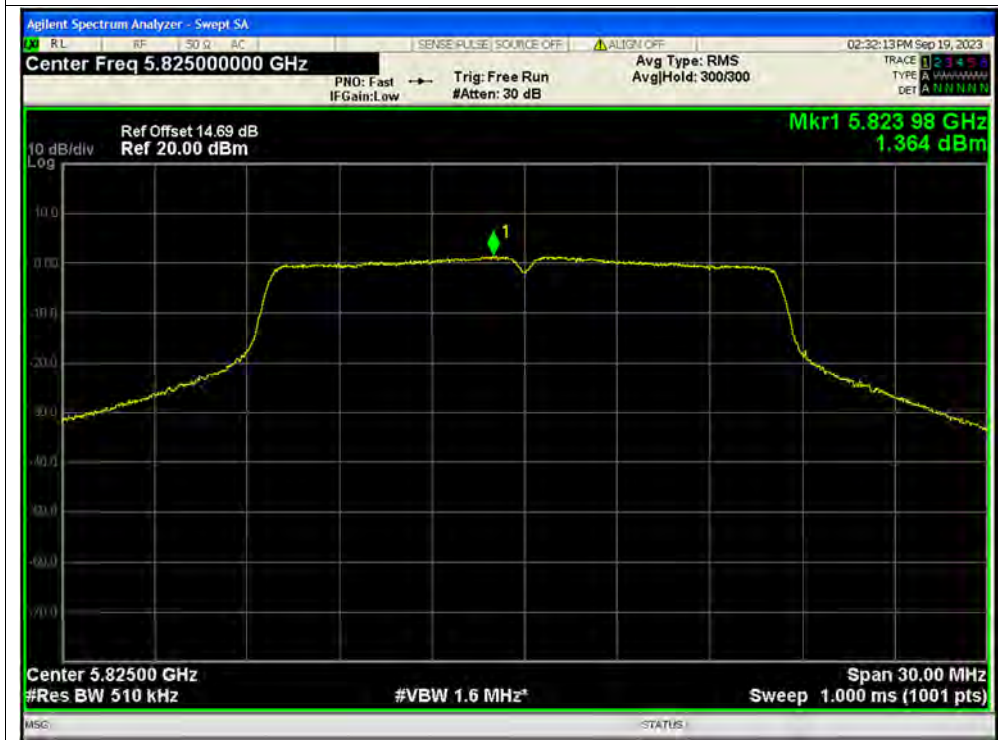


PSD NVNT a 5785MHz Ant1

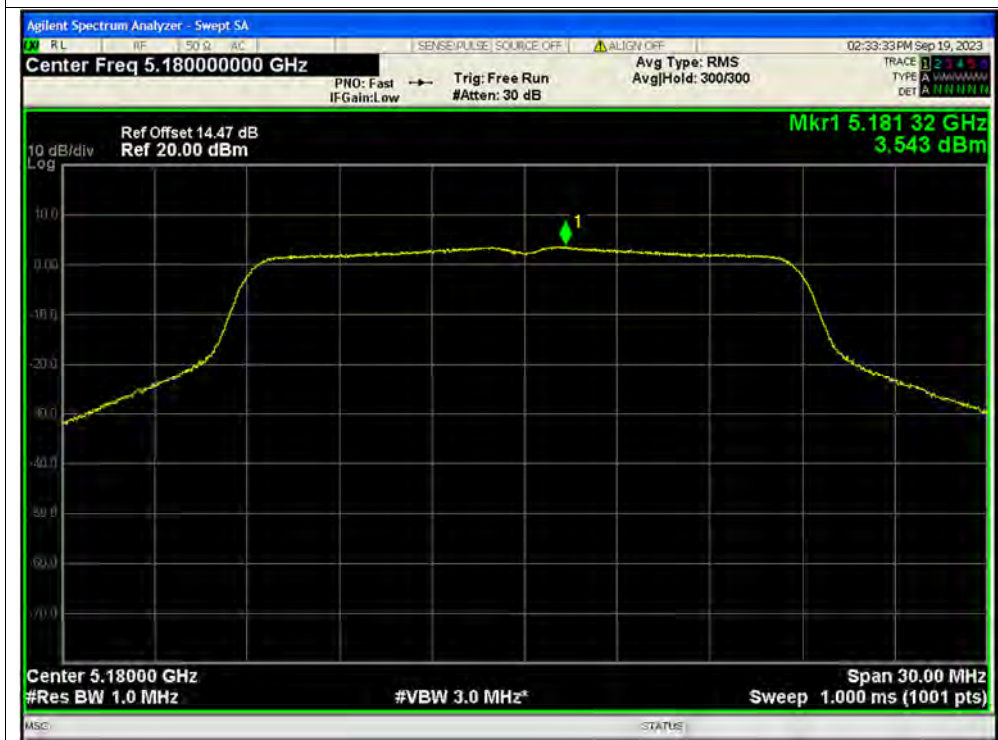




PSD NVNT a 5825MHz Ant1

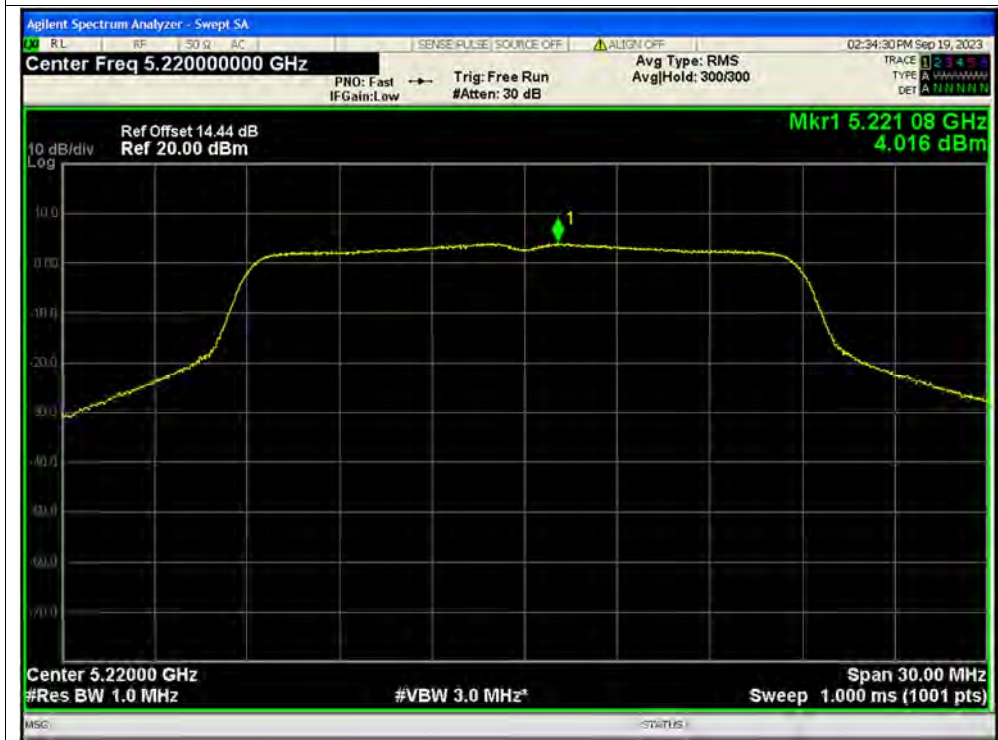


PSD NVNT n20 5180MHz Ant1

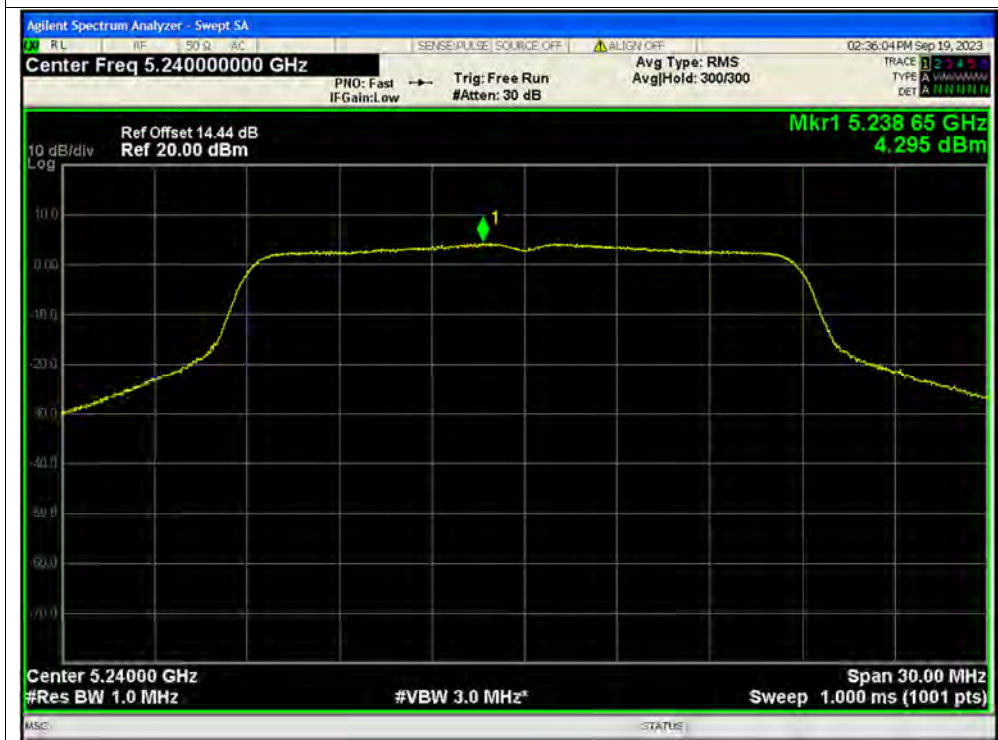




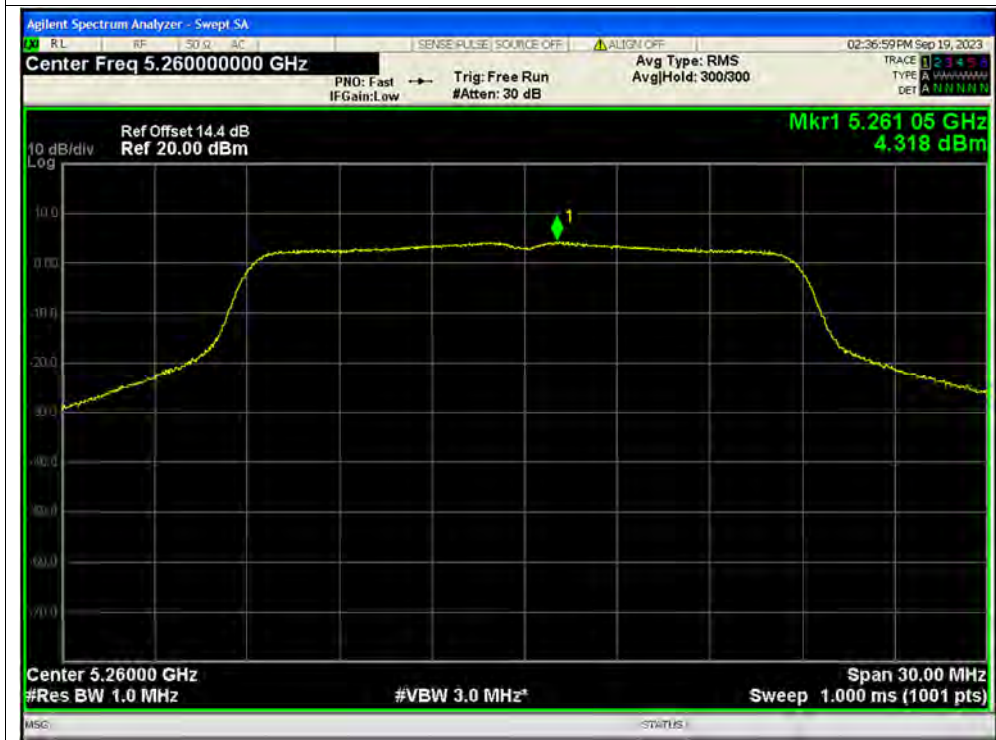
PSD NVNT n20 5220MHz Ant1



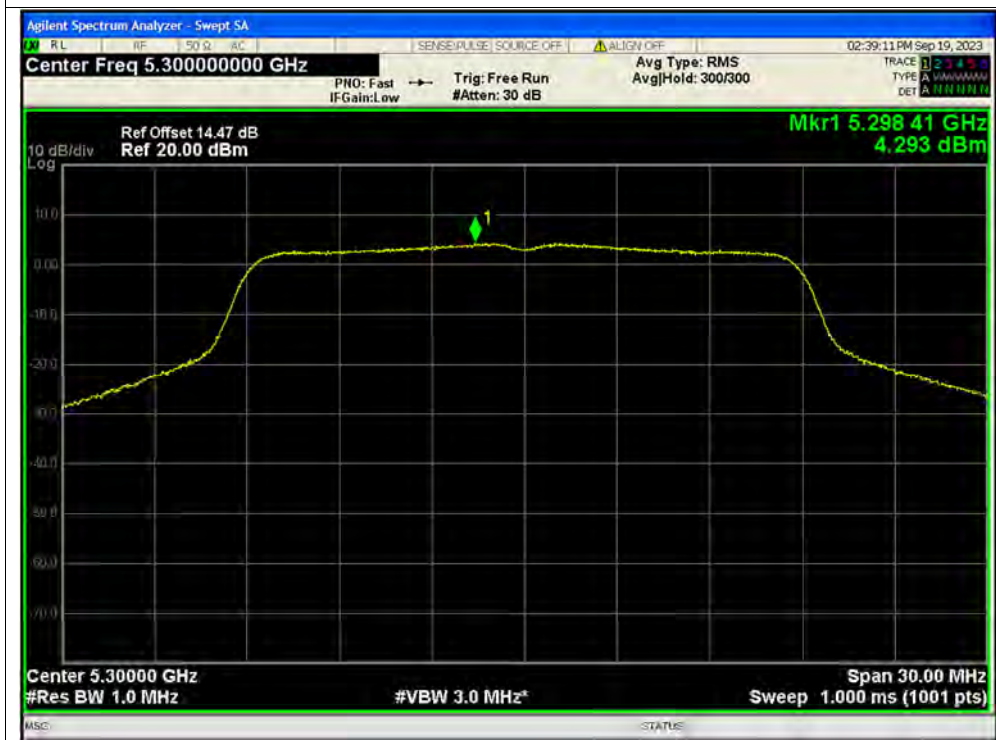
PSD NVNT n20 5240MHz Ant1



PSD NVNT n20 5260MHz Ant1

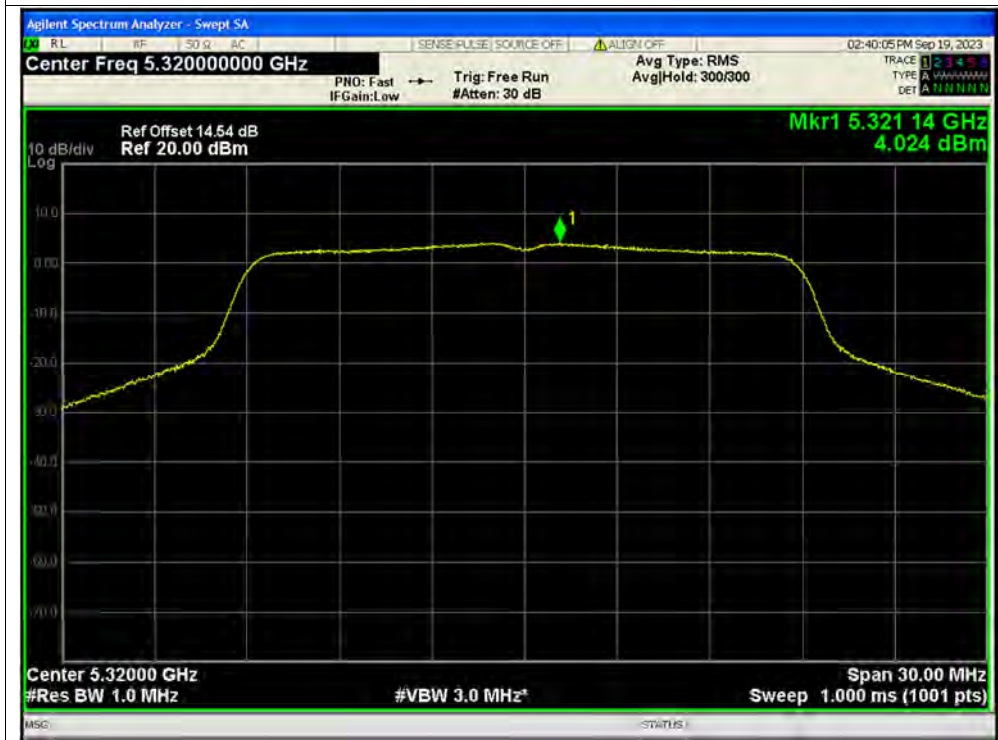


PSD NVNT n20 5300MHz Ant1





PSD NVNT n20 5320MHz Ant1

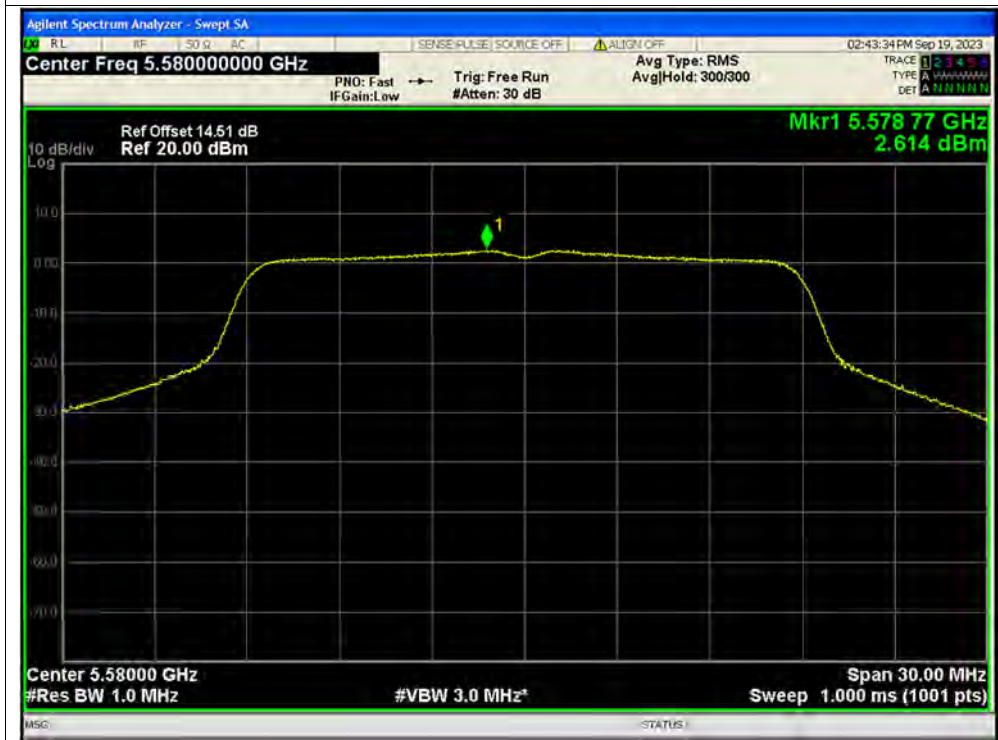


PSD NVNT n20 5500MHz Ant1





PSD NVNT n20 5580MHz Ant1

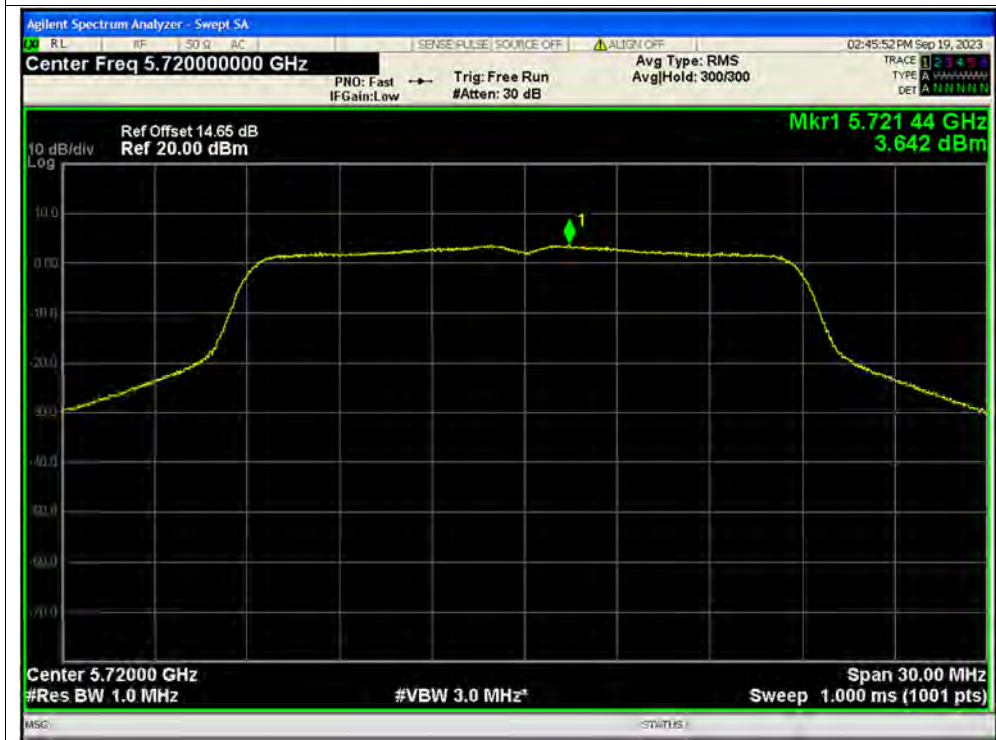


PSD NVNT n20 5600MHz Ant1

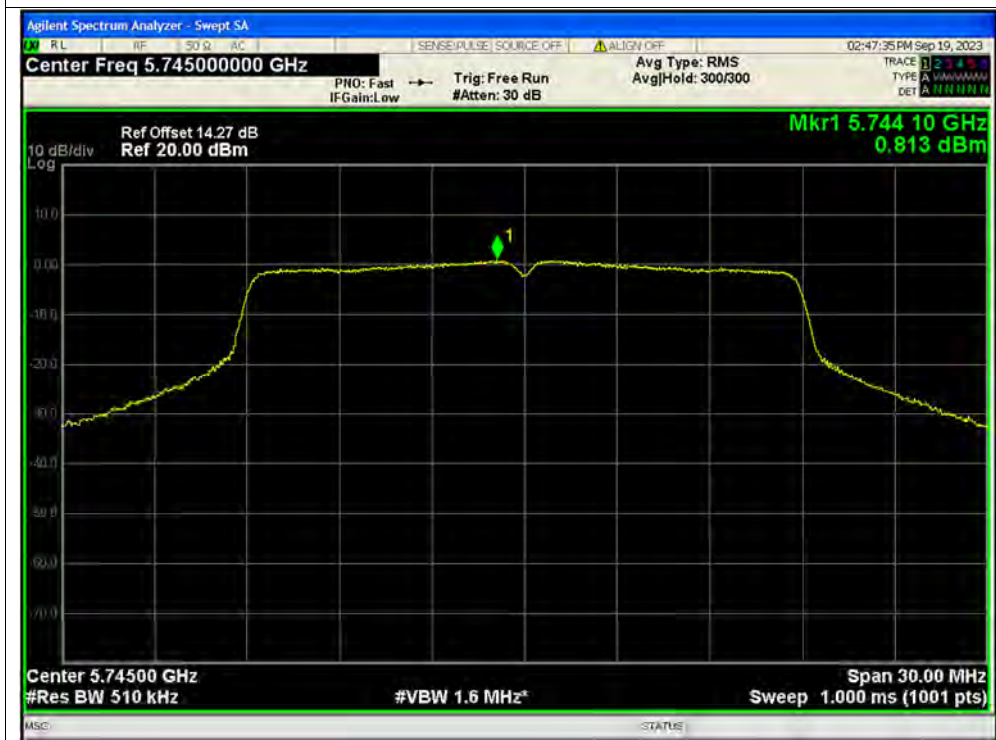




PSD NVNT n20 5720MHz Ant1

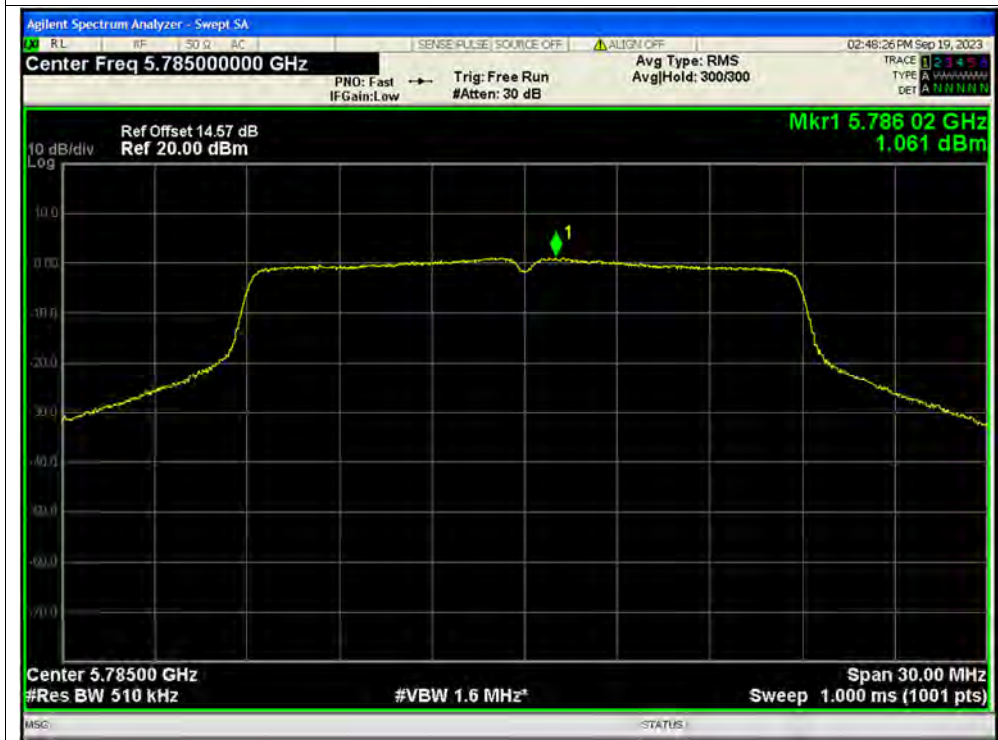


PSD NVNT n20 5745MHz Ant1

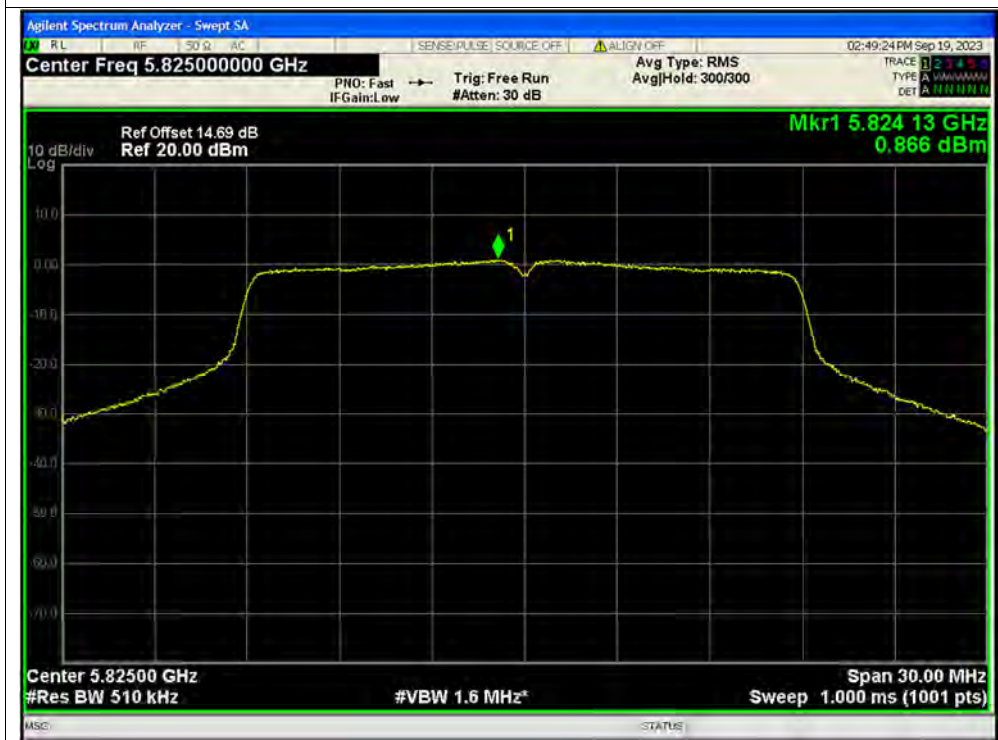




PSD NVNT n20 5785MHz Ant1

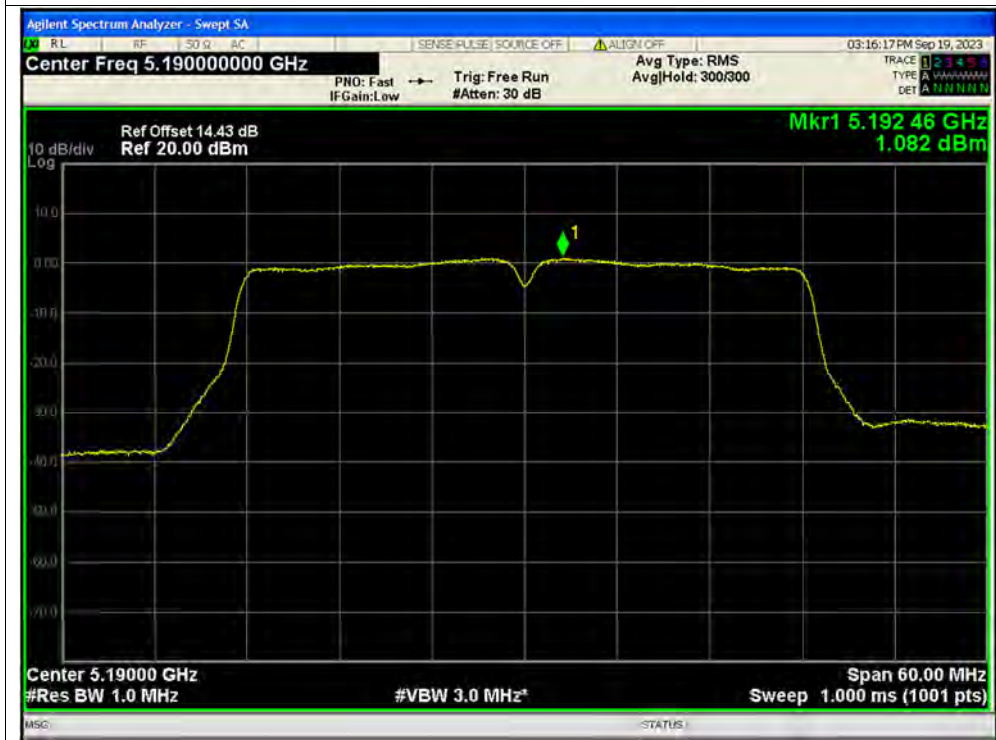


PSD NVNT n20 5825MHz Ant1

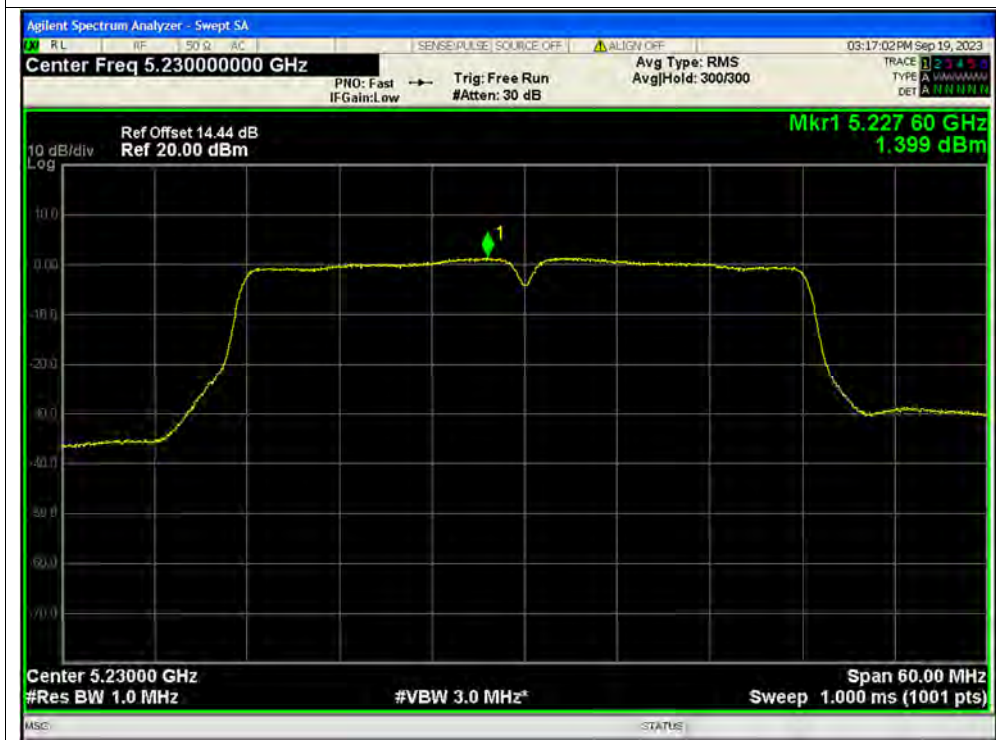




PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1





PSD NVNT n40 5270MHz Ant1

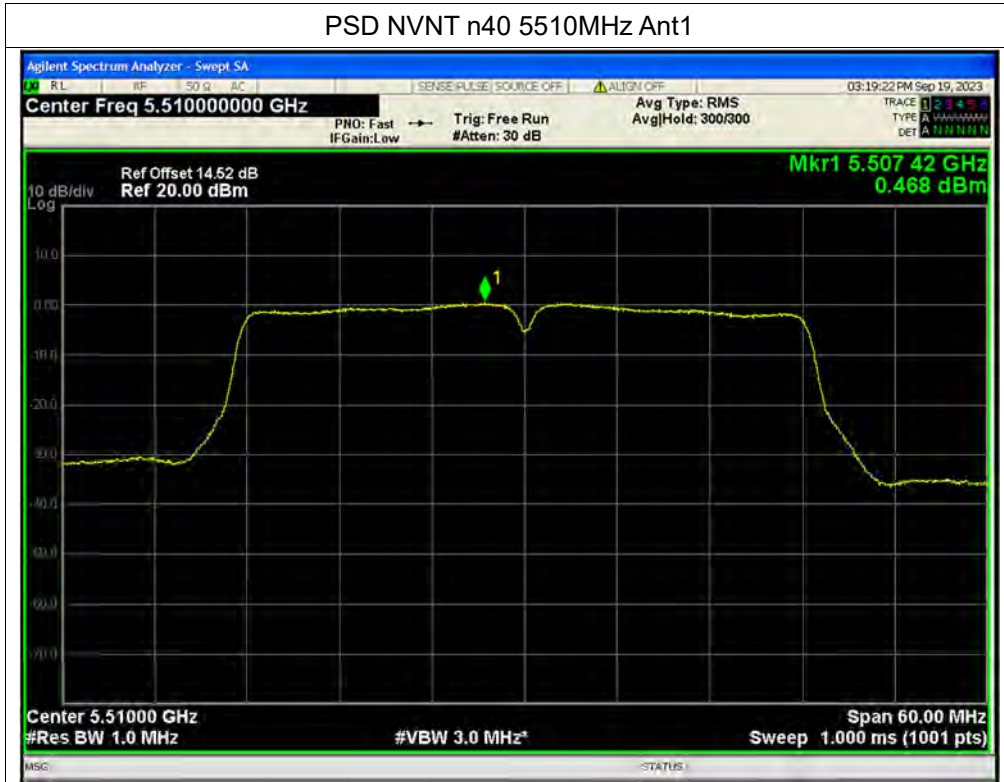


PSD NVNT n40 5310MHz Ant1





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

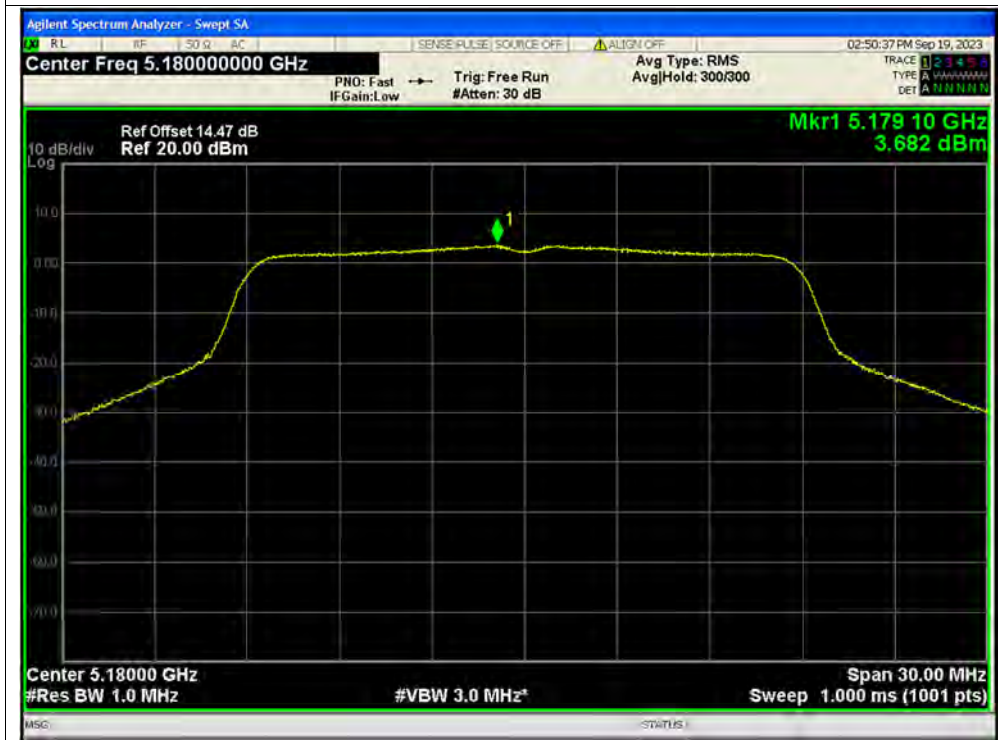


PSD NVNT n40 5795MHz Ant1





PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5220MHz Ant1

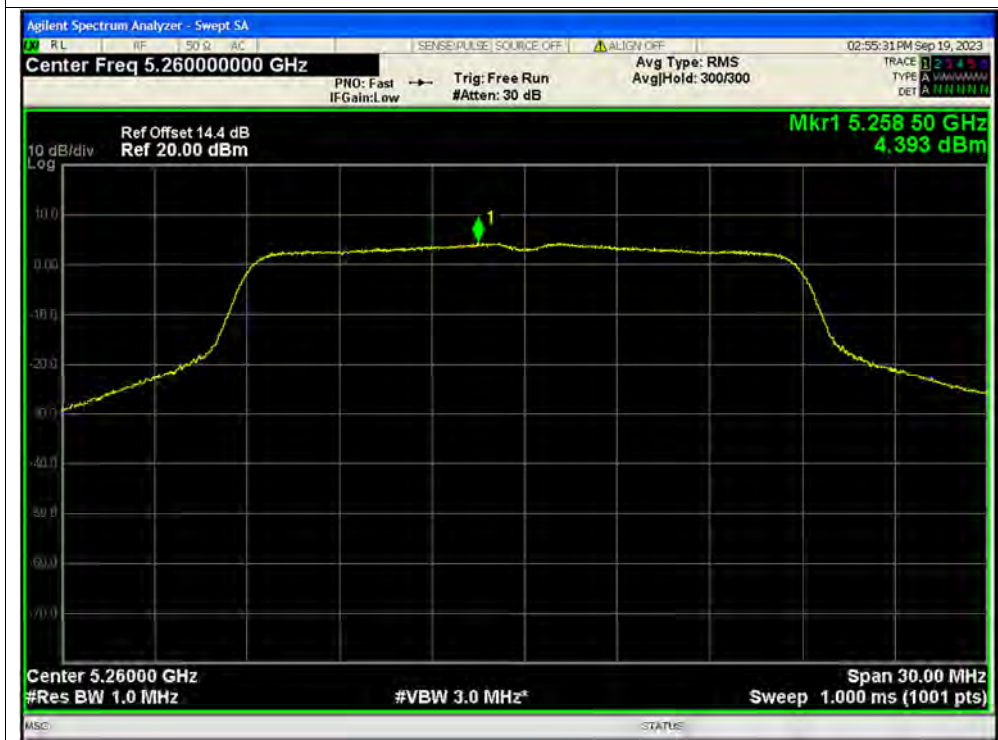




PSD NVNT ac20 5240MHz Ant1

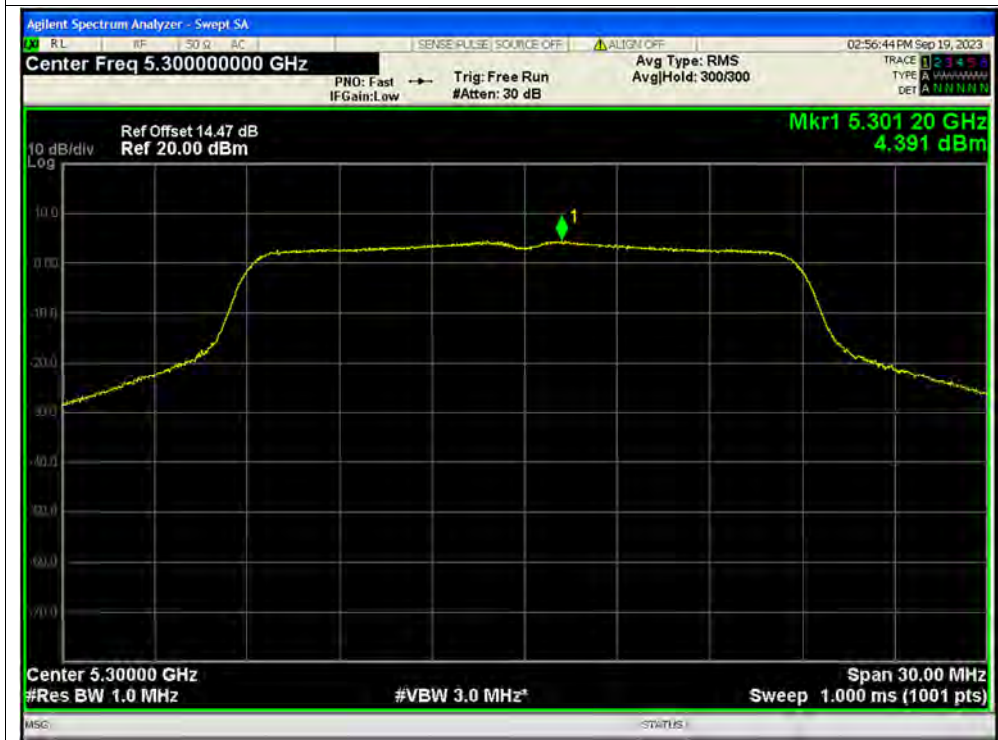


PSD NVNT ac20 5260MHz Ant1

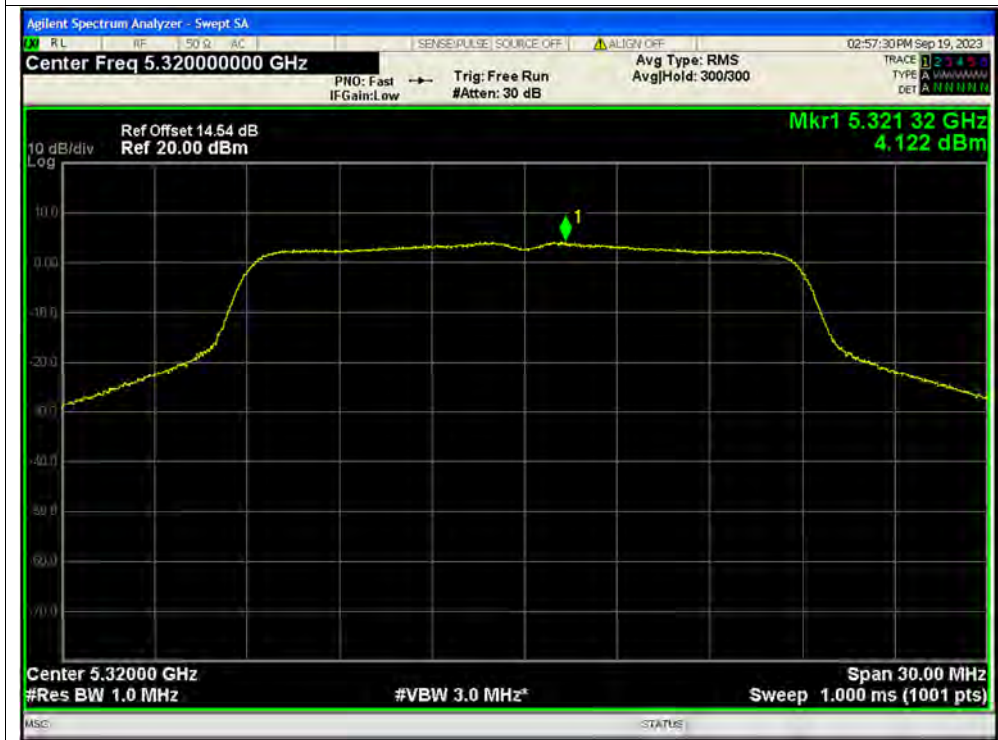




PSD NVNT ac20 5300MHz Ant1

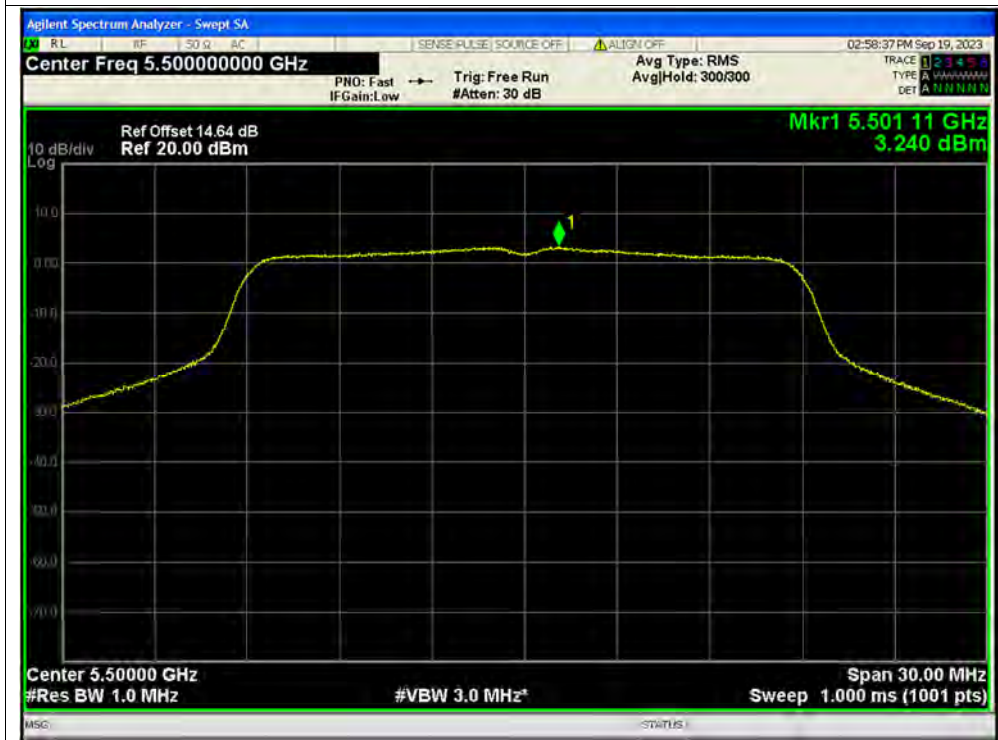


PSD NVNT ac20 5320MHz Ant1

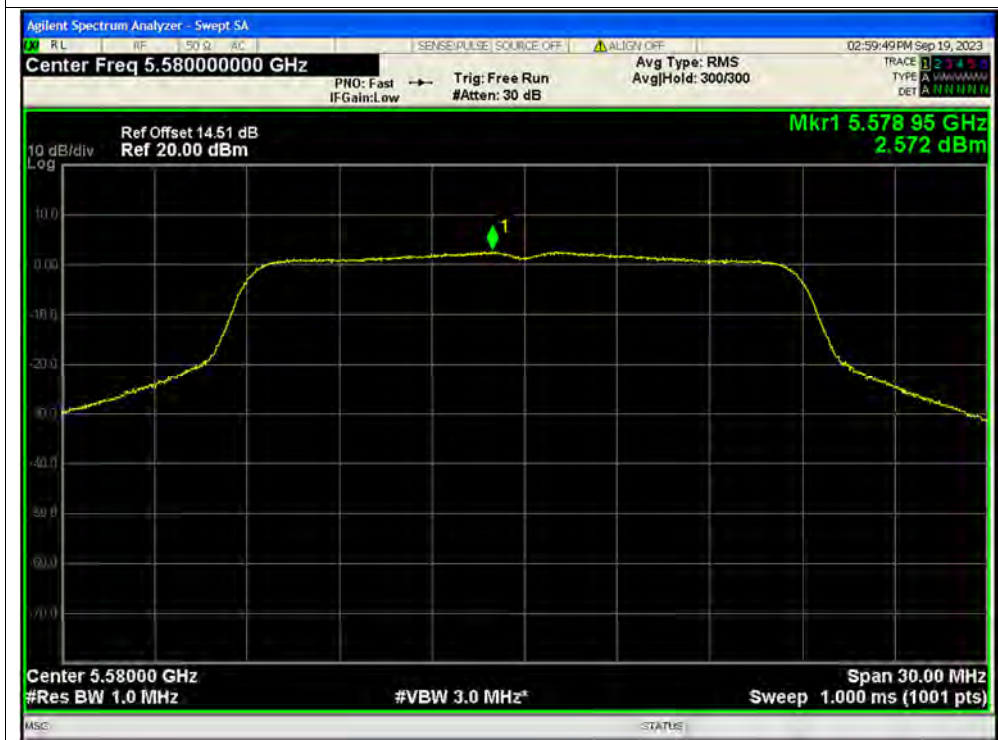




PSD NVNT ac20 5500MHz Ant1

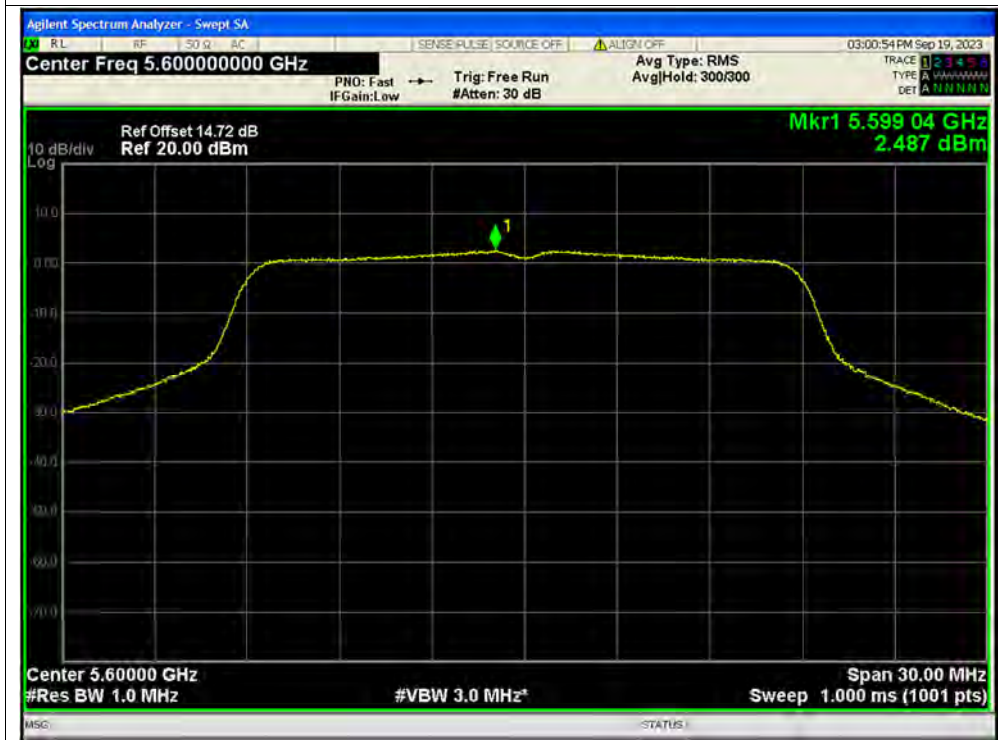


PSD NVNT ac20 5580MHz Ant1





PSD NVNT ac20 5600MHz Ant1

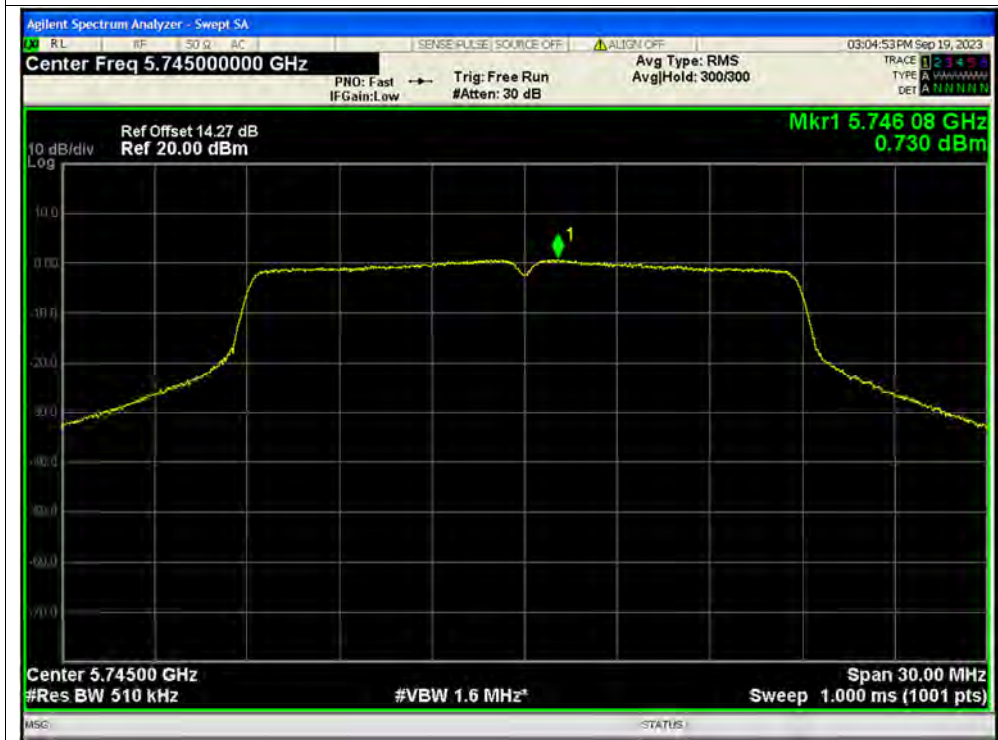


PSD NVNT ac20 5720MHz Ant1

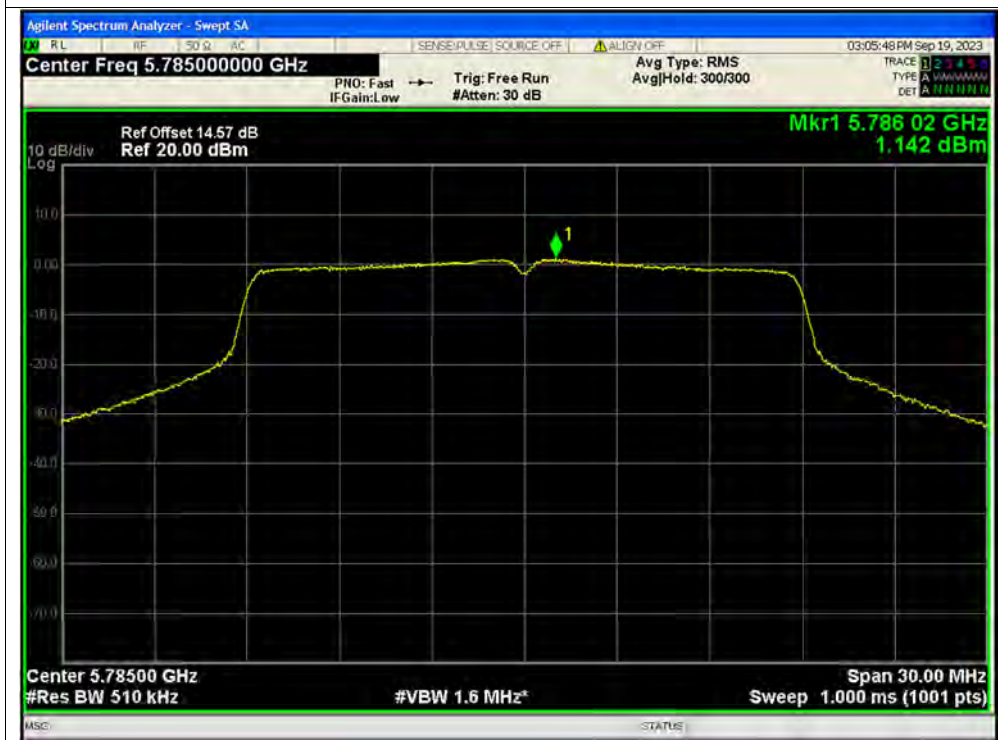




PSD NVNT ac20 5745MHz Ant1

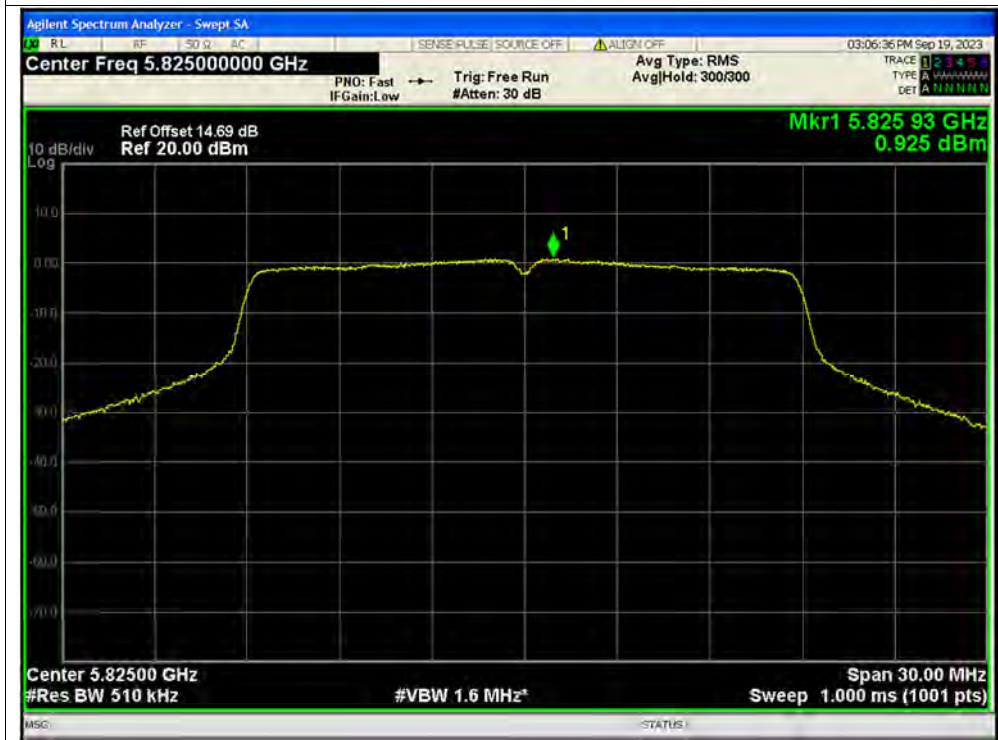


PSD NVNT ac20 5785MHz Ant1

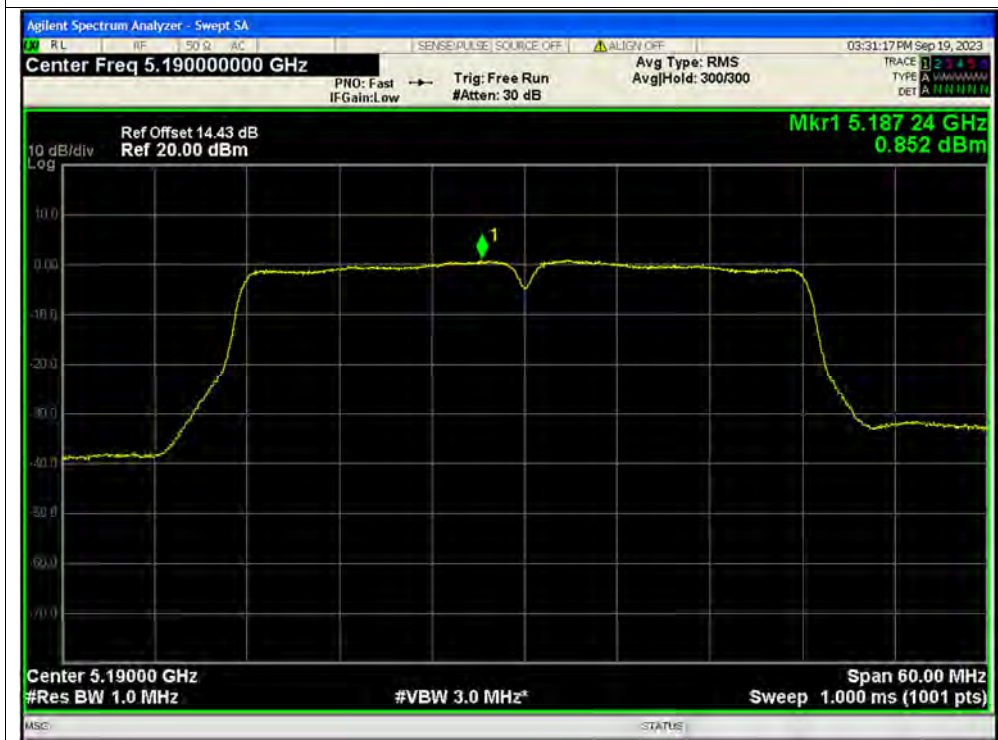




PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5190MHz Ant1





PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac40 5270MHz Ant1



PSD NVNT ac40 5310MHz Ant1



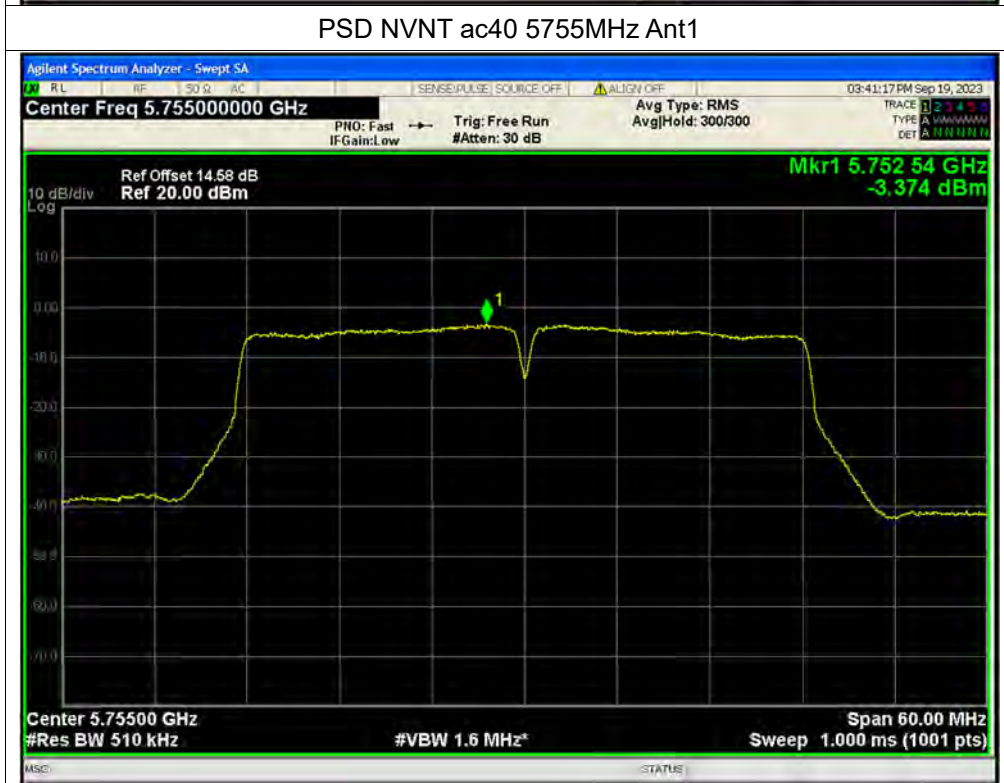
PSD NVNT ac40 5510MHz Ant1



PSD NVNT ac40 5710MHz Ant1

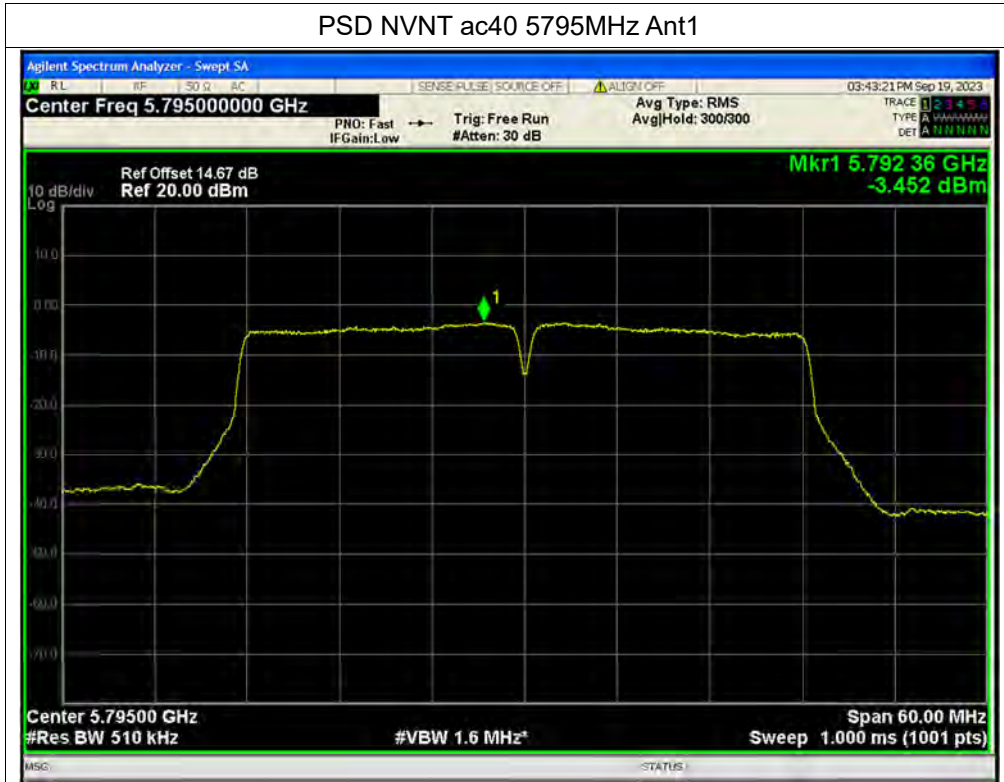


PSD NVNT ac40 5755MHz Ant1





PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5210MHz Ant1





PSD NVNT ac80 5290MHz Ant1



PSD NVNT ac80 5530MHz Ant1



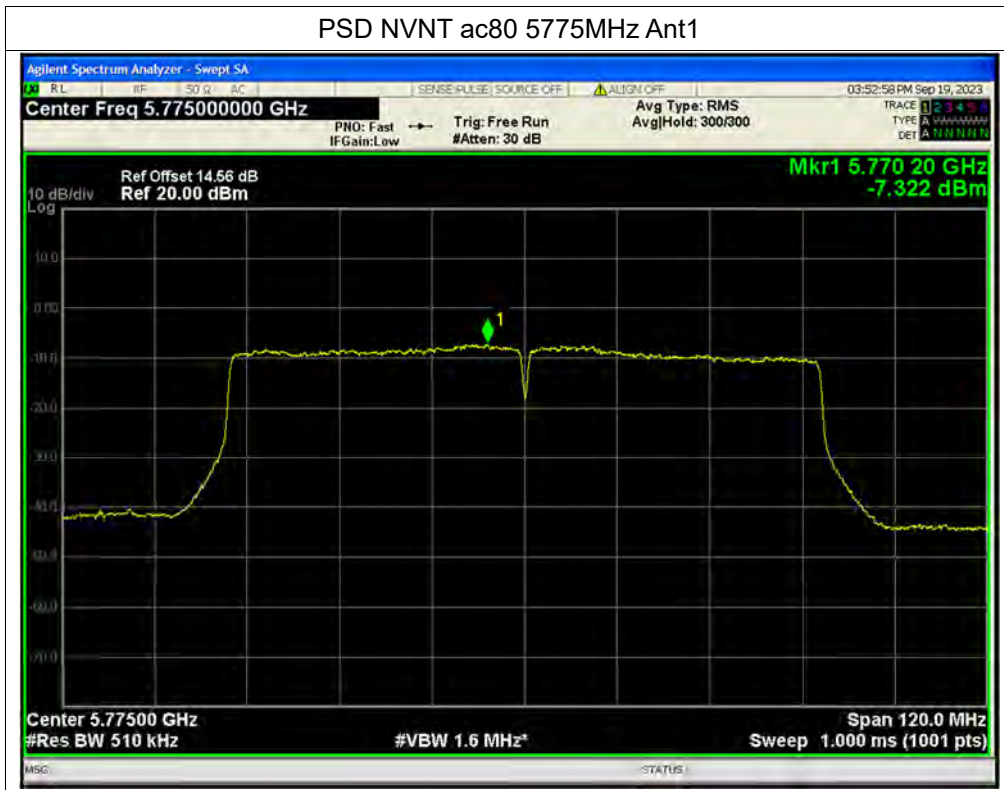


PSD NVNT ac80 5610MHz Ant1



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 3.5V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
20C 3.8V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
20C 4.35V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
-30C 3.8V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
-20C 3.8V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
-10C 3.8V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
0C 3.8V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
10C 3.8V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
30C 3.8V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
40C 3.8V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
50C 3.8V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
60C 3.8V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
75C 3.8V	a	5180	Ant1	5179.976	-24000	-4.63	25	Pass
20C 3.5V	a	5260	Ant1	5259.975	-25000	-4.75	25	Pass
20C 3.8V	a	5260	Ant1	5259.975	-25000	-4.75	25	Pass
20C 4.35V	a	5260	Ant1	5259.975	-25000	-4.75	25	Pass
-30C 3.8V	a	5260	Ant1	5179.976	-24000	-4.75	25	Pass
-20C 3.8V	a	5260	Ant1	5259.975	-25000	-4.75	25	Pass
-10C 3.8V	a	5260	Ant1	5259.976	-24000	-4.56	25	Pass
0C 3.8V	a	5260	Ant1	5259.975	-25000	-4.75	25	Pass
10C 3.8V	a	5260	Ant1	5259.976	-24000	-4.56	25	Pass
30C 3.8V	a	5260	Ant1	5259.975	-25000	-4.75	25	Pass
40C 3.8V	a	5260	Ant1	5259.976	-24000	-4.56	25	Pass
50C 3.8V	a	5260	Ant1	5259.976	-24000	-4.56	25	Pass
60C 3.8V	a	5260	Ant1	5259.976	-24000	-4.56	25	Pass
75C 3.8V	a	5260	Ant1	5259.976	-24000	-4.56	25	Pass
20C 3.5V	a	5500	Ant1	5499.975	-25000	-4.55	25	Pass
20C 3.8V	a	5500	Ant1	5499.975	-25000	-4.55	25	Pass
20C 4.35V	a	5500	Ant1	5499.975	-25000	-4.55	25	Pass
-30C 3.8V	a	5500	Ant1	5179.976	-24000	-4.55	25	Pass
-20C 3.8V	a	5500	Ant1	5499.975	-25000	-4.55	25	Pass
-10C 3.8V	a	5500	Ant1	5499.975	-25000	-4.55	25	Pass
0C 3.8V	a	5500	Ant1	5499.975	-25000	-4.55	25	Pass
10C 3.8V	a	5500	Ant1	5499.975	-25000	-4.55	25	Pass



30C 3.8V	a	5500	Ant1	5499.975	-25000	-4.55	25	Pass
40C 3.8V	a	5500	Ant1	5499.975	-25000	-4.55	25	Pass
50C 3.8V	a	5500	Ant1	5499.975	-25000	-4.55	25	Pass
60C 3.8V	a	5500	Ant1	5499.975	-25000	-4.55	25	Pass
75C 3.8V	a	5500	Ant1	5499.974	-26000	-4.73	25	Pass
20C 3.5V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass
20C 3.8V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass
20C 4.35V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass
-30C 3.8V	a	5745	Ant1	5179.976	-24000	-4.53	25	Pass
-20C 3.8V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass
-10C 3.8V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass
0C 3.8V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass
10C 3.8V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass
30C 3.8V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass
40C 3.8V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass
50C 3.8V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass
60C 3.8V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass
75C 3.8V	a	5745	Ant1	5744.974	-26000	-4.53	25	Pass



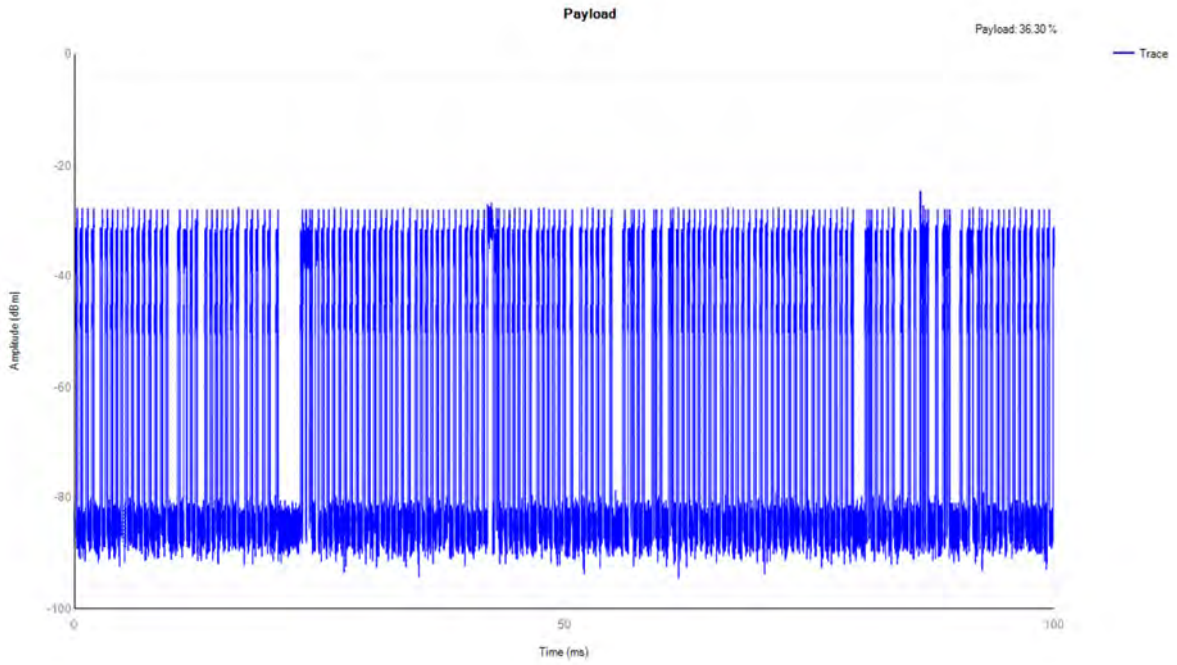
A.6. Dynamic Frequency Selection

Payload

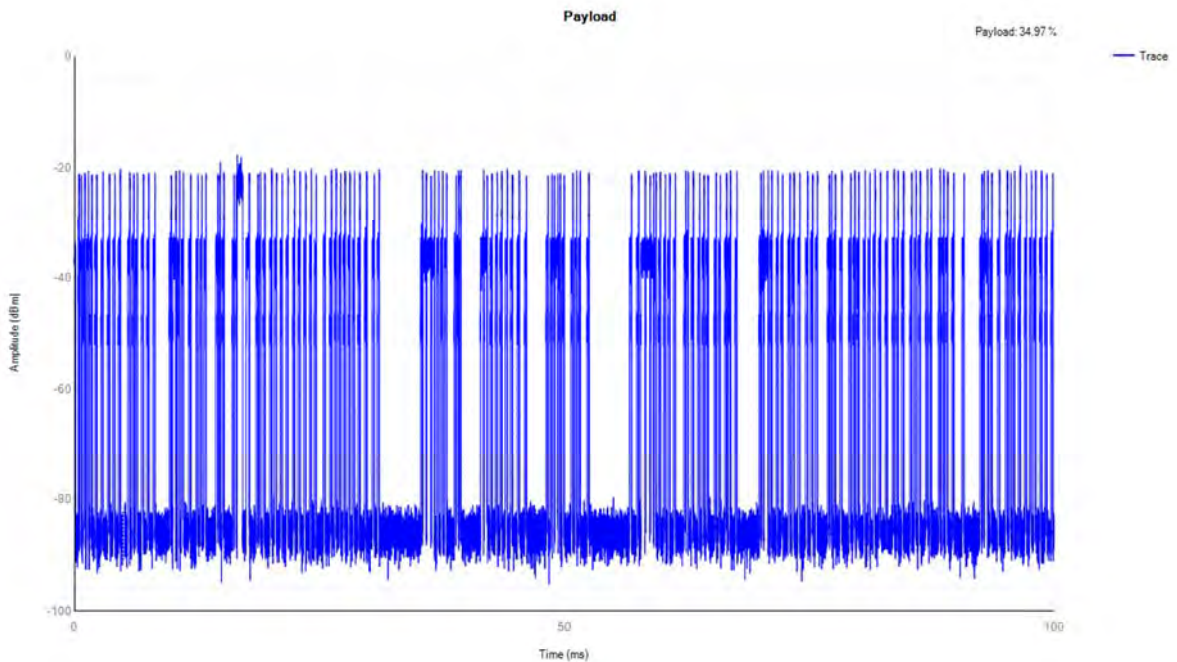
Mode	Frequency (MHz)	Result	Verdict
a	5320	36.3	Pass
a	5500	34.97	Pass
ac80	5290	35.25	Pass
ac80	5530	33.05	Pass

Test Graphs

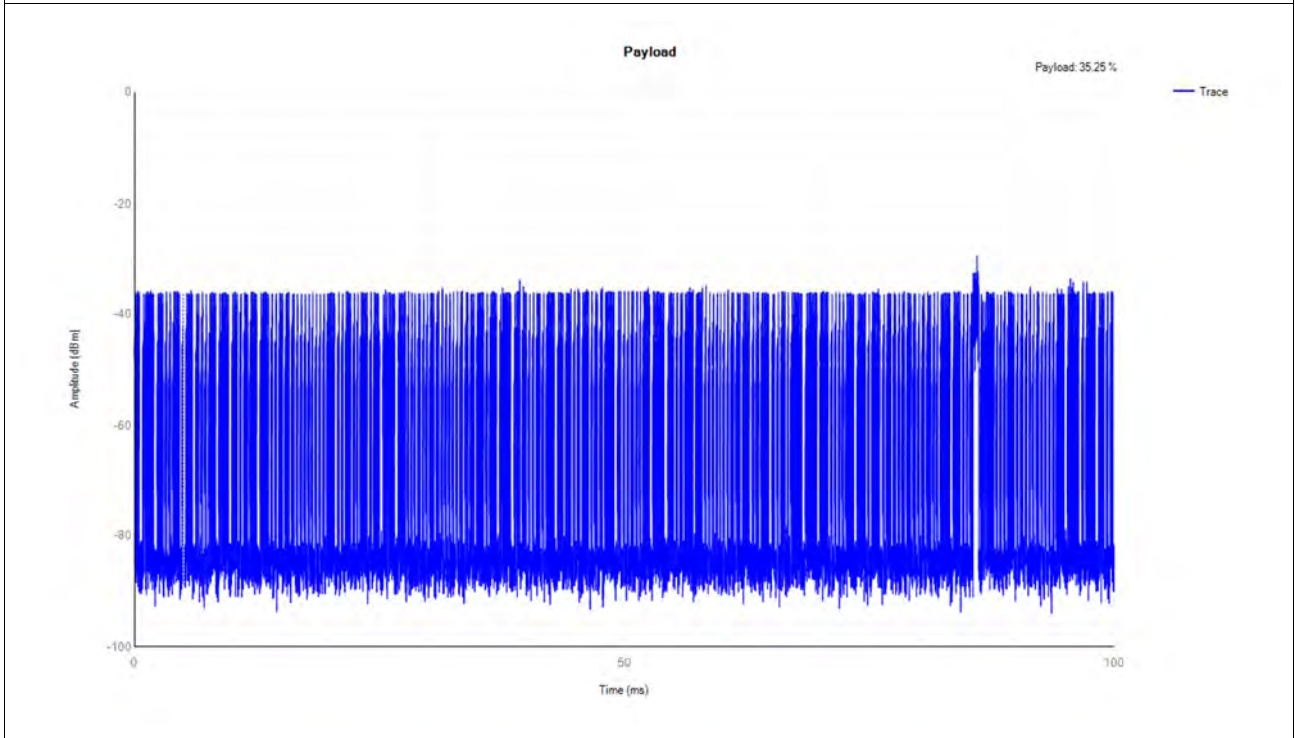
a 5320MHz Payload



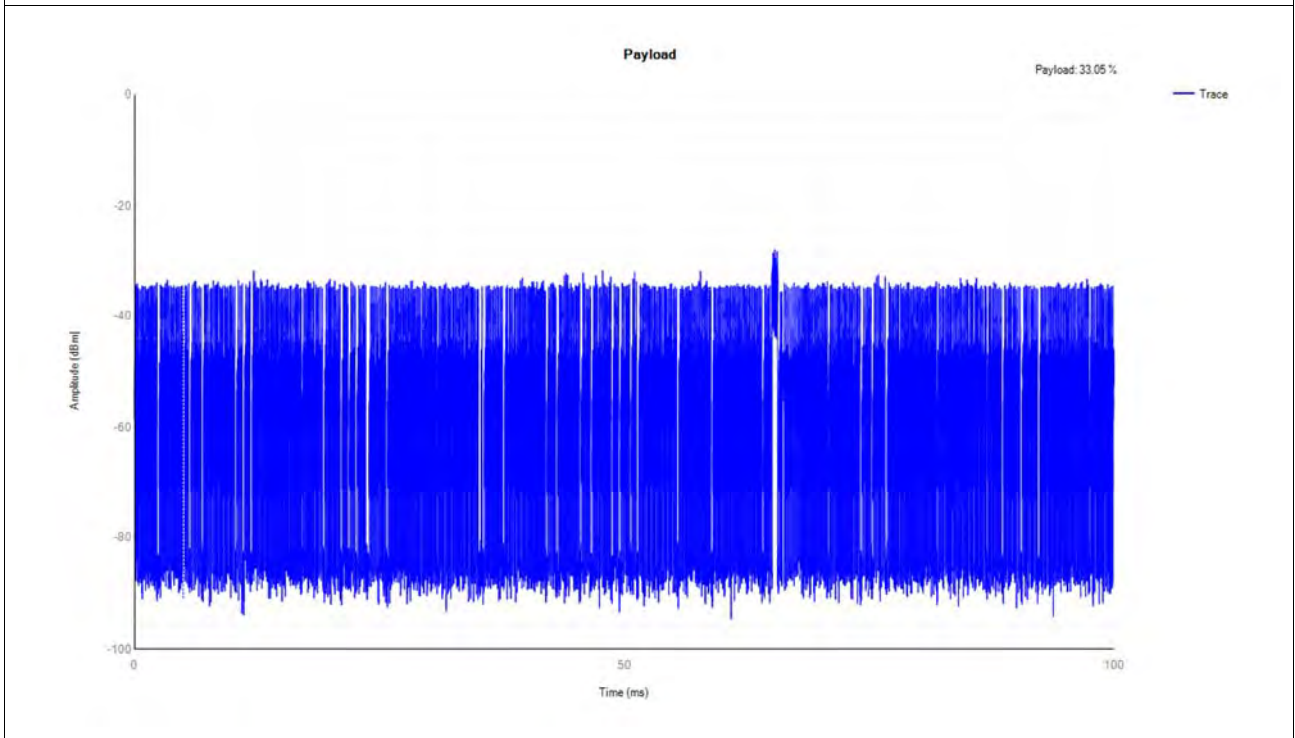
a 5500MHz Payload



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

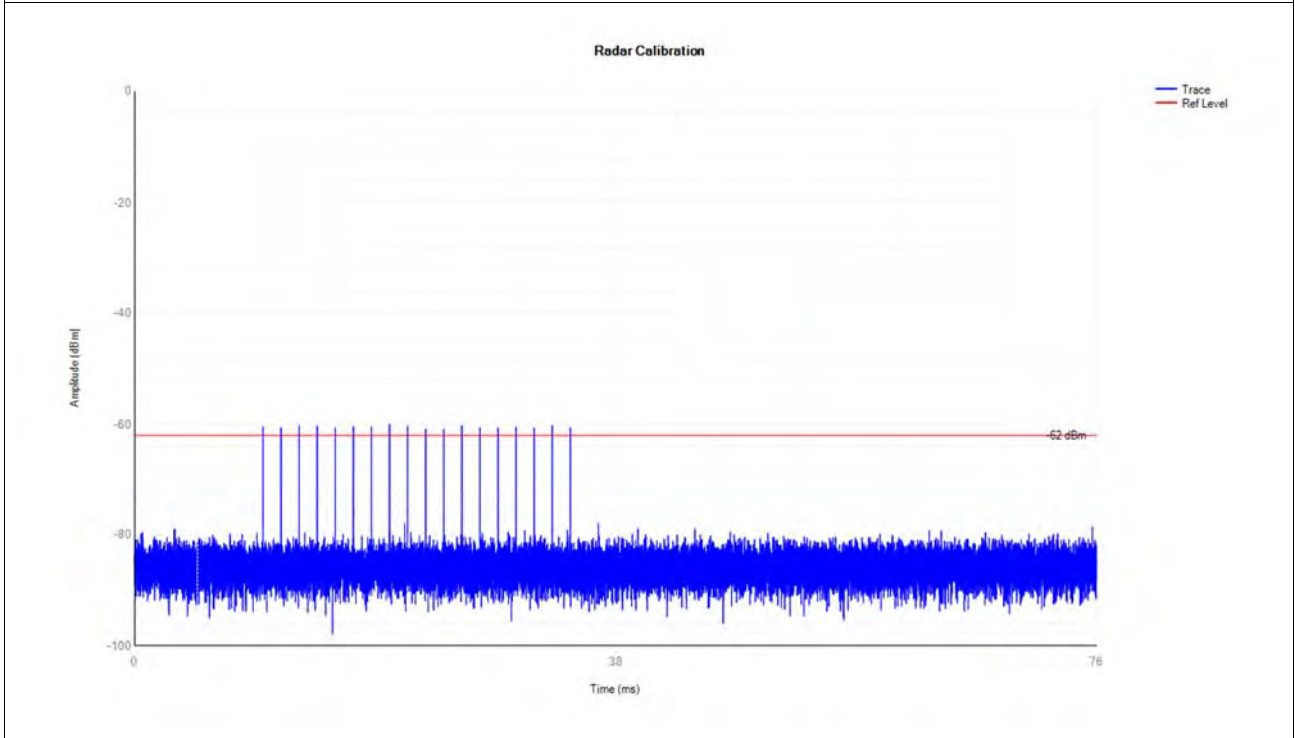
Detector Type: Peak

RBW: 3MHz

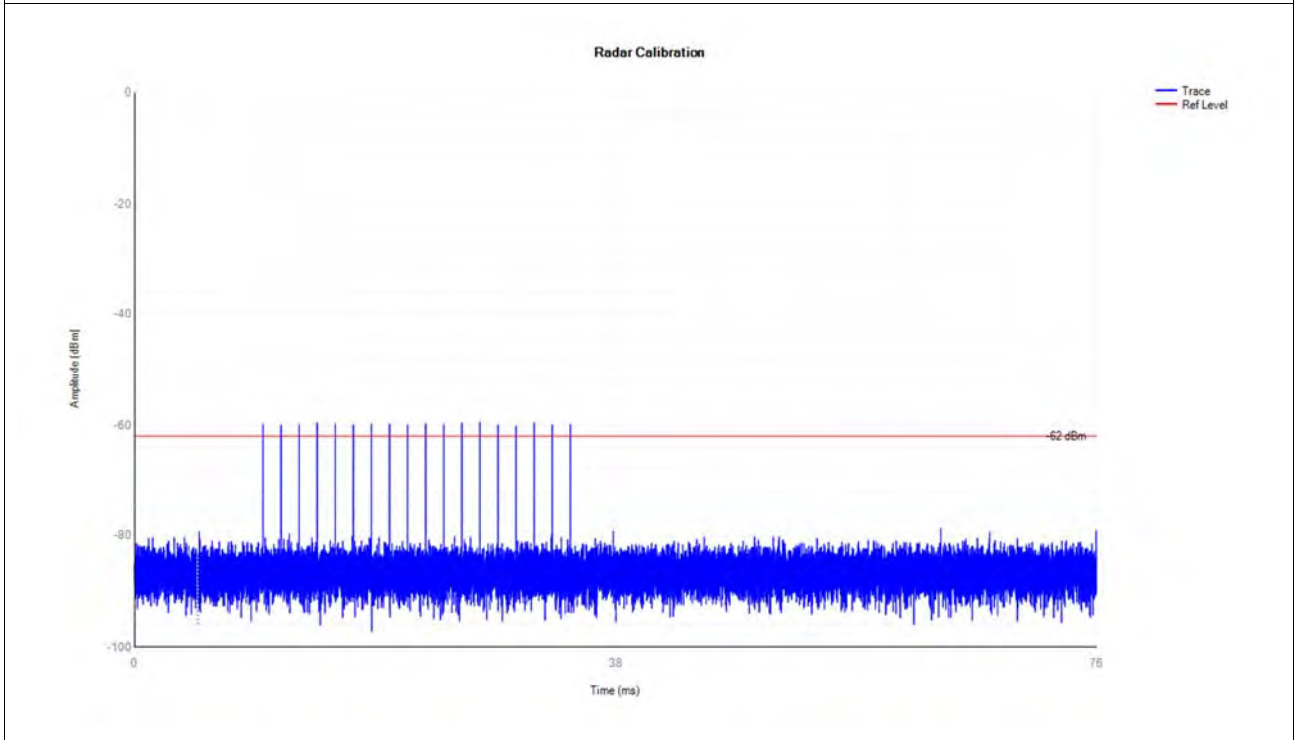
VBW: 3MHz

Test Graphs

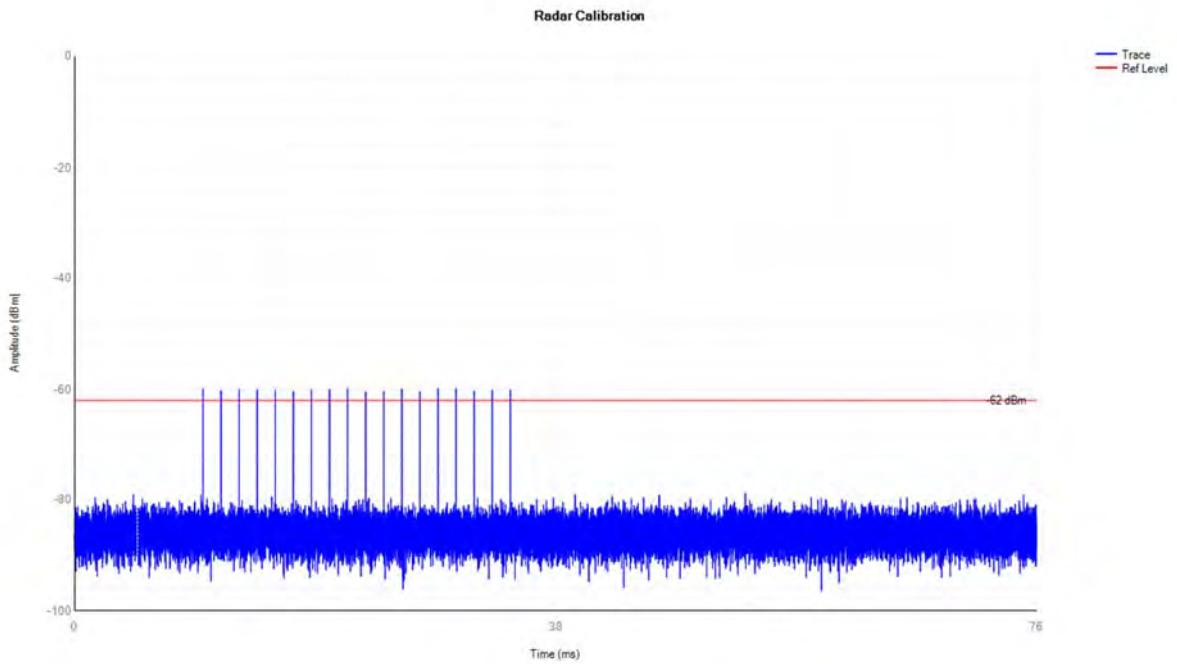
5320MHz DFS_FCC_T0



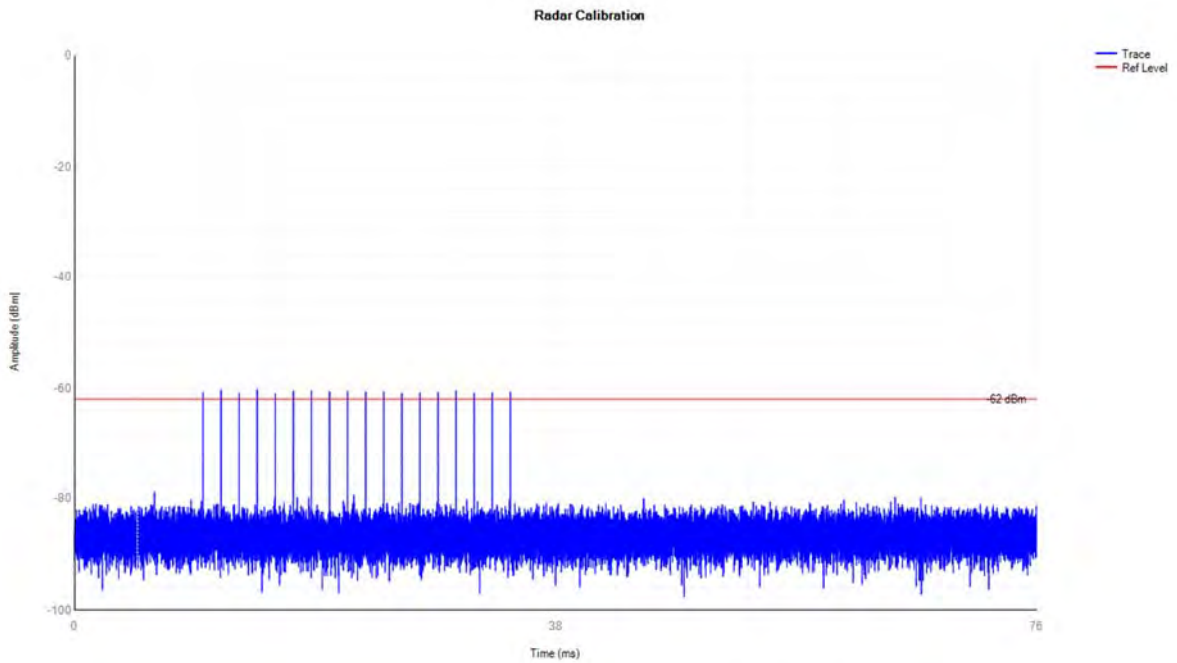
5500MHz DFS_FCC_T0



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	0.815	10	0.051	0.26	0.009	0.06	Pass
a	5500	0.846	10	0.074	0.26	0.009	0.06	Pass
ac80	5290	0.914	10	0.095	0.26	0.009	0.06	Pass
ac80	5530	0.832	10	0.059	0.26	0.009	0.06	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

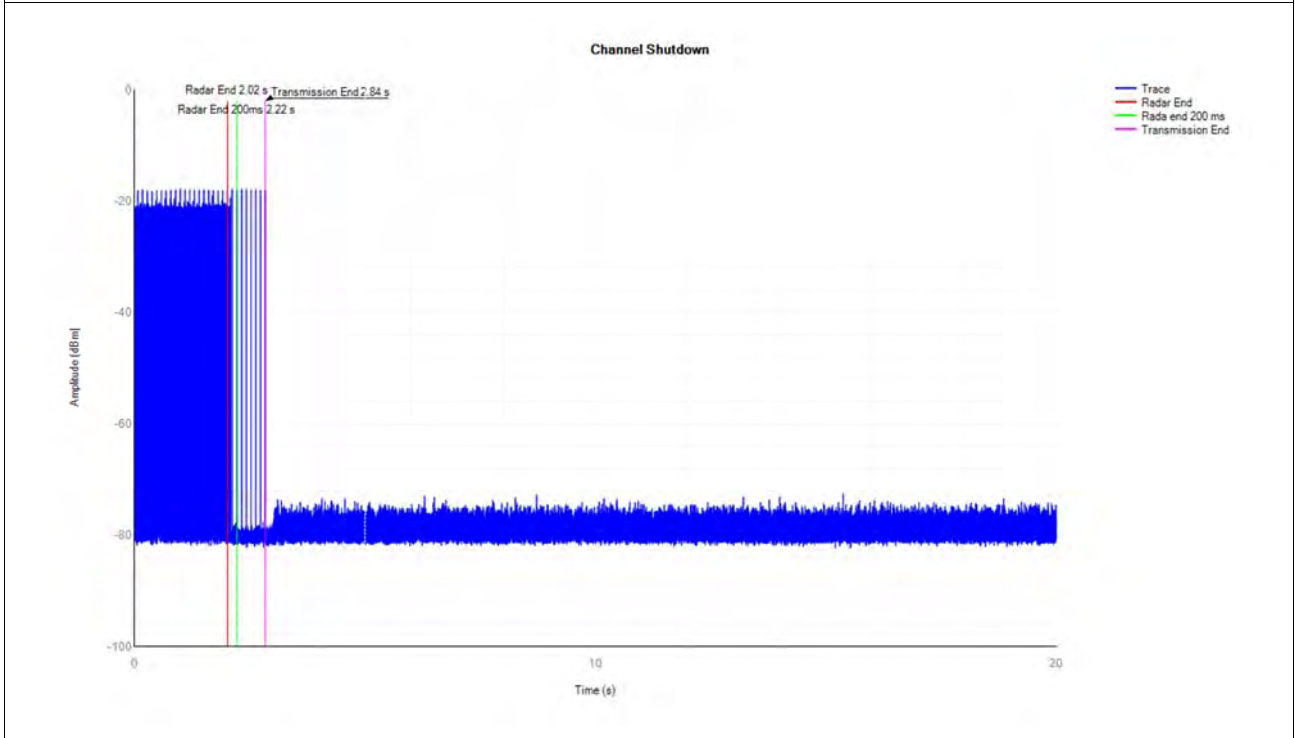
RBW: 3MHz

VBW: 3MHz

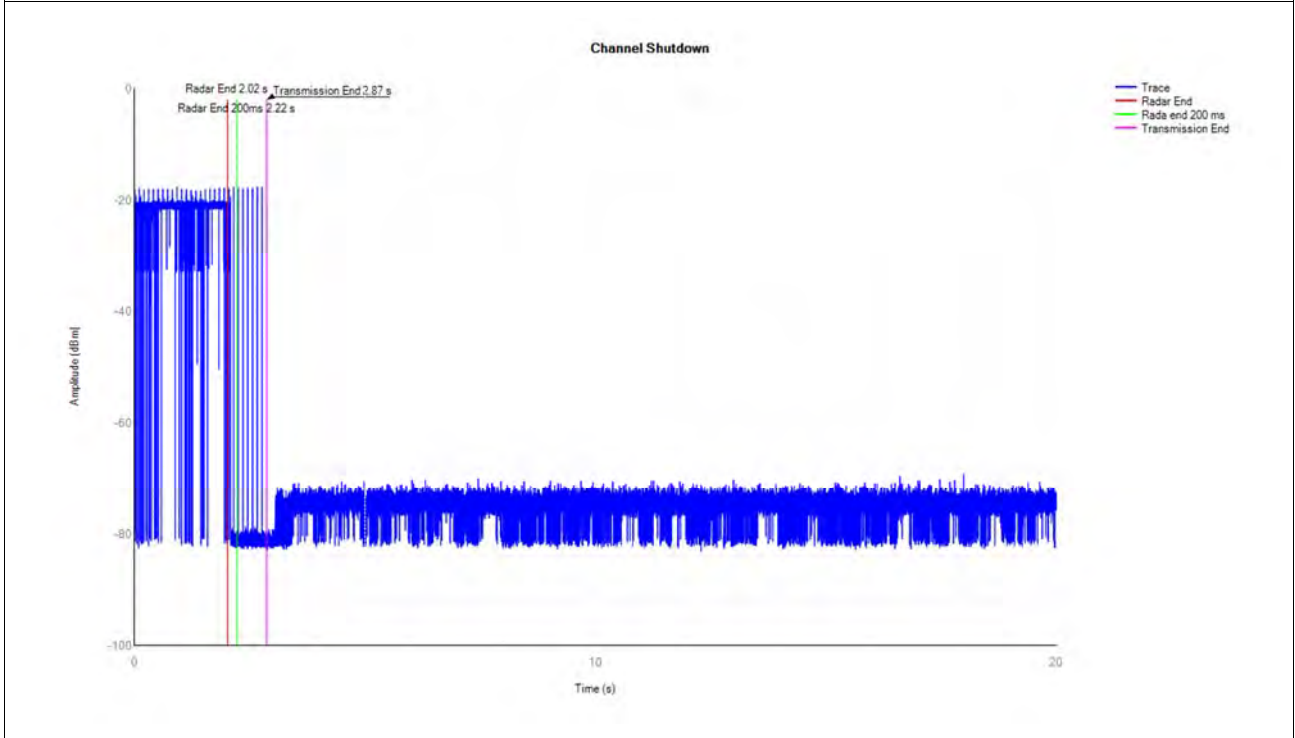
Sweep time: 20s

Test Graphs

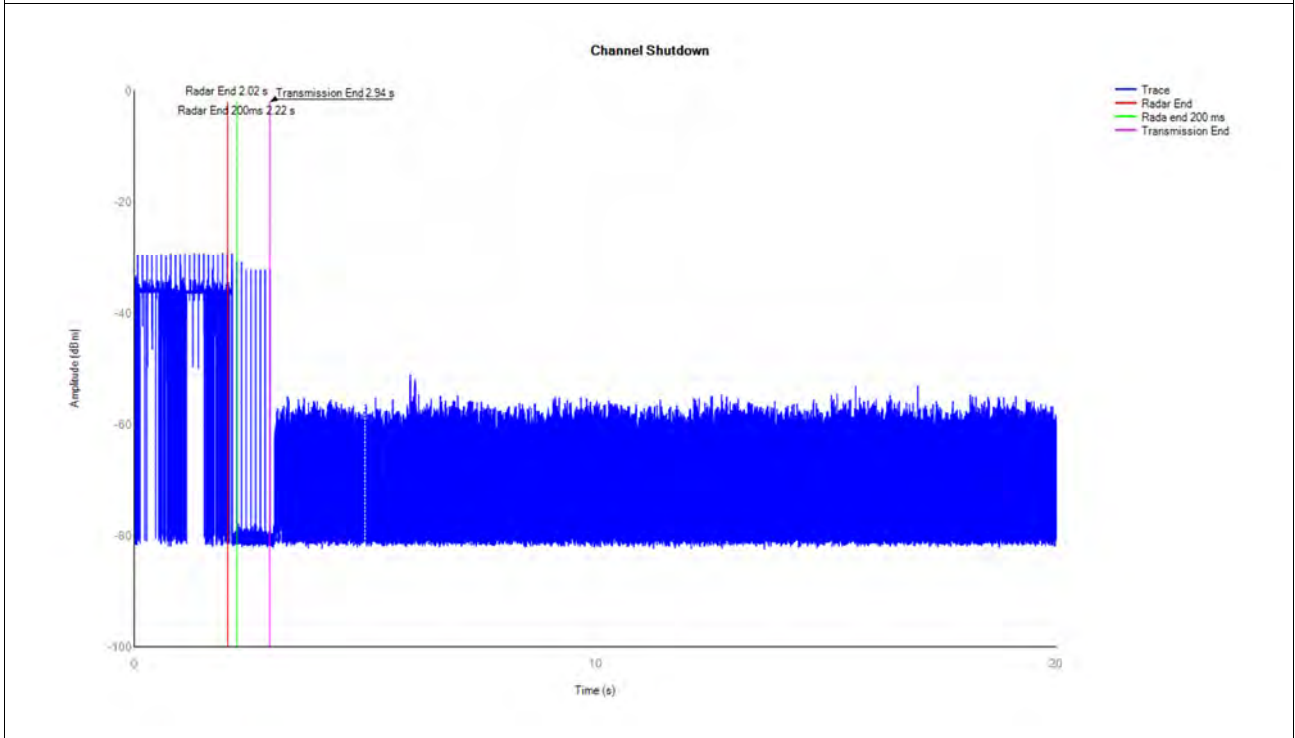
a 5320MHz Shutdown



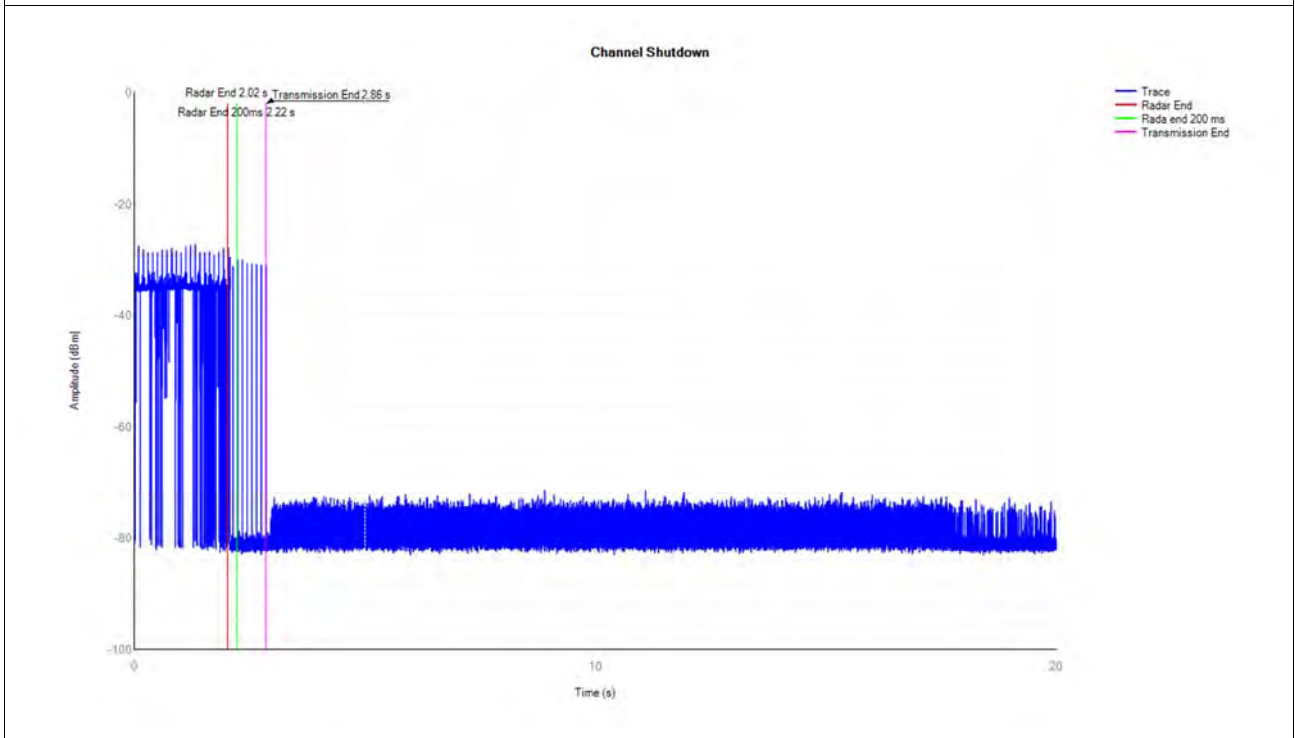
a 5500MHz Shutdown



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

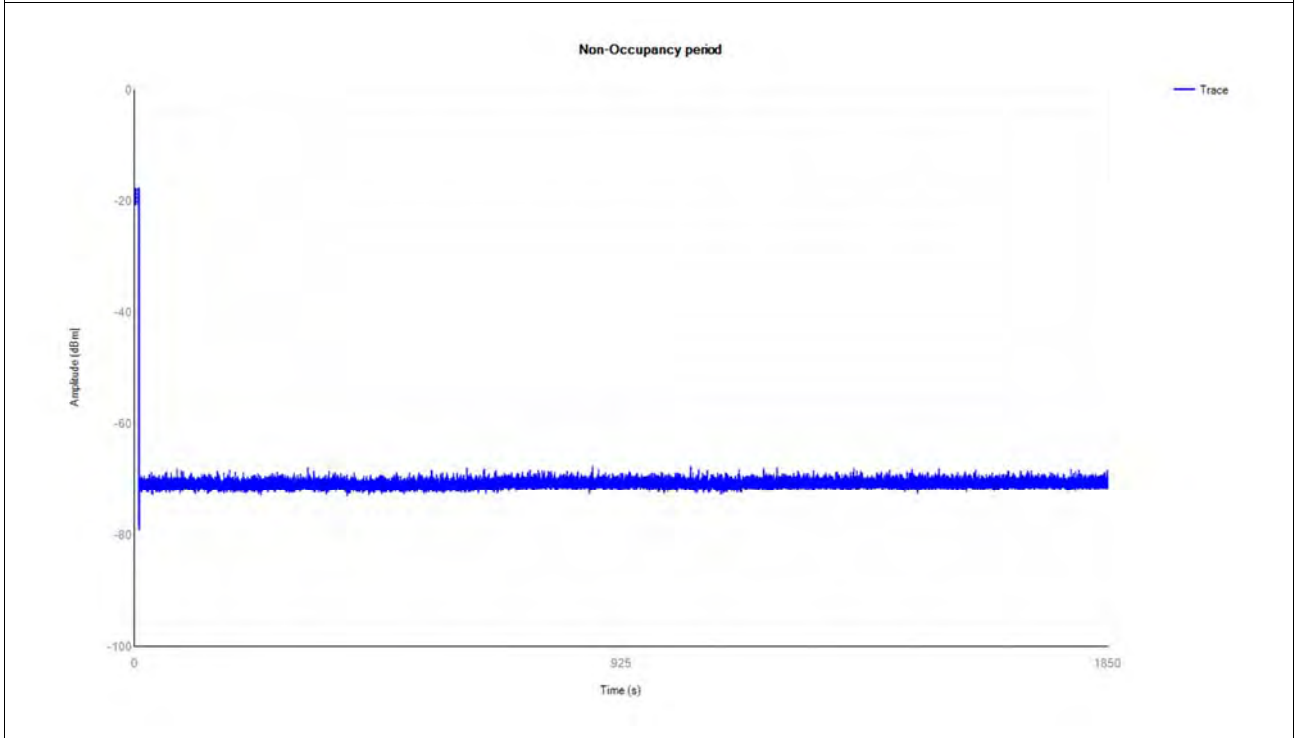
RBW: 3MHz

VBW: 3MHz

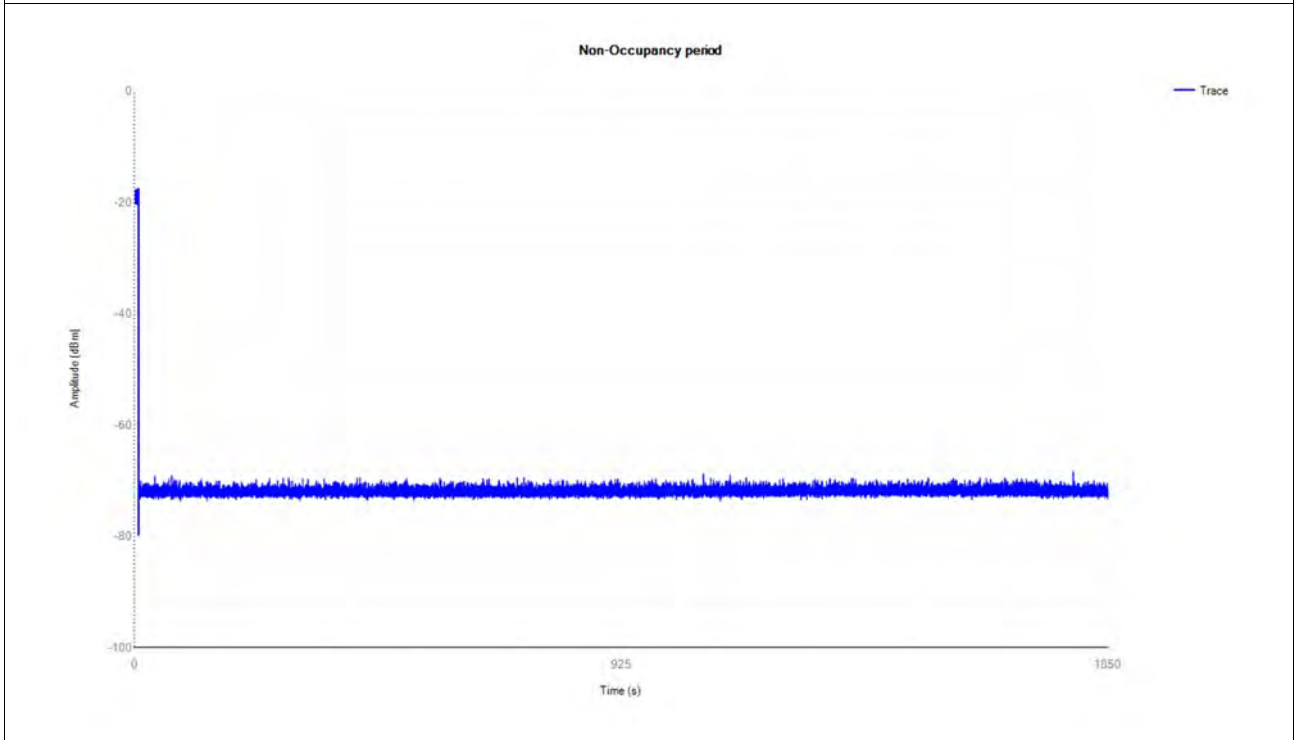
Sweep time: 1850s

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+Antenna+DC source+PC+PC Adapter+USB cable + WIFI TX

Test voltage: AC 120V/60Hz

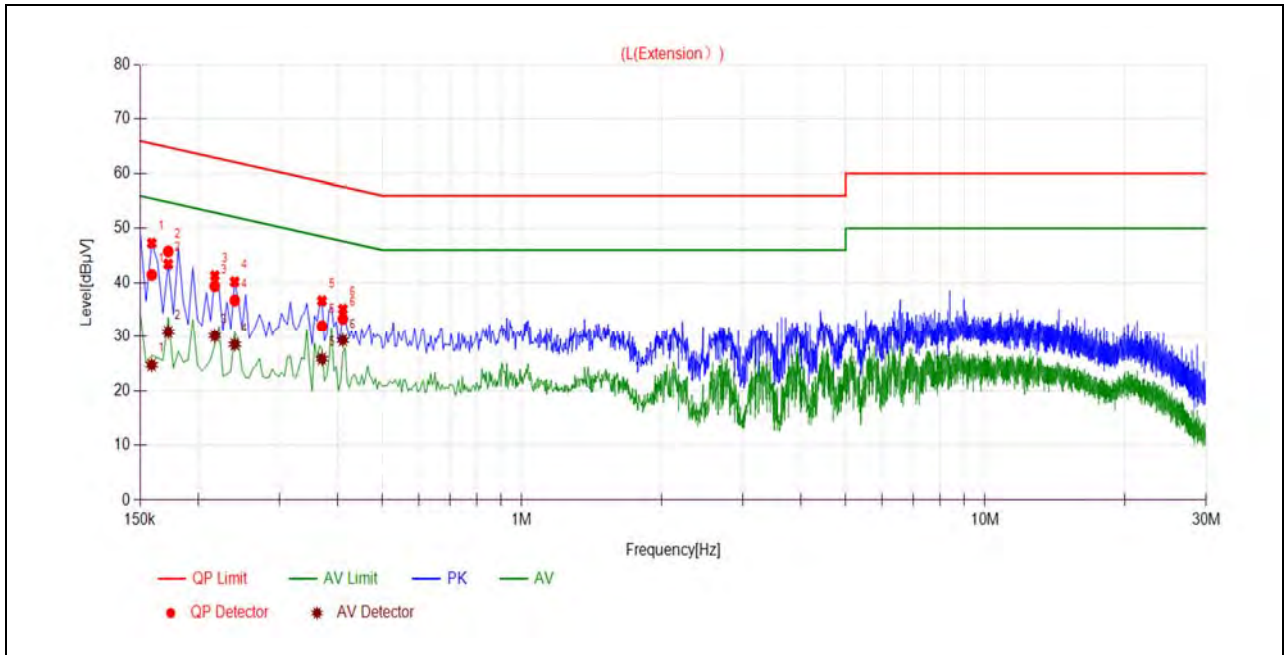
The measurement results are obtained as below:

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

U_R : Receiver Reading

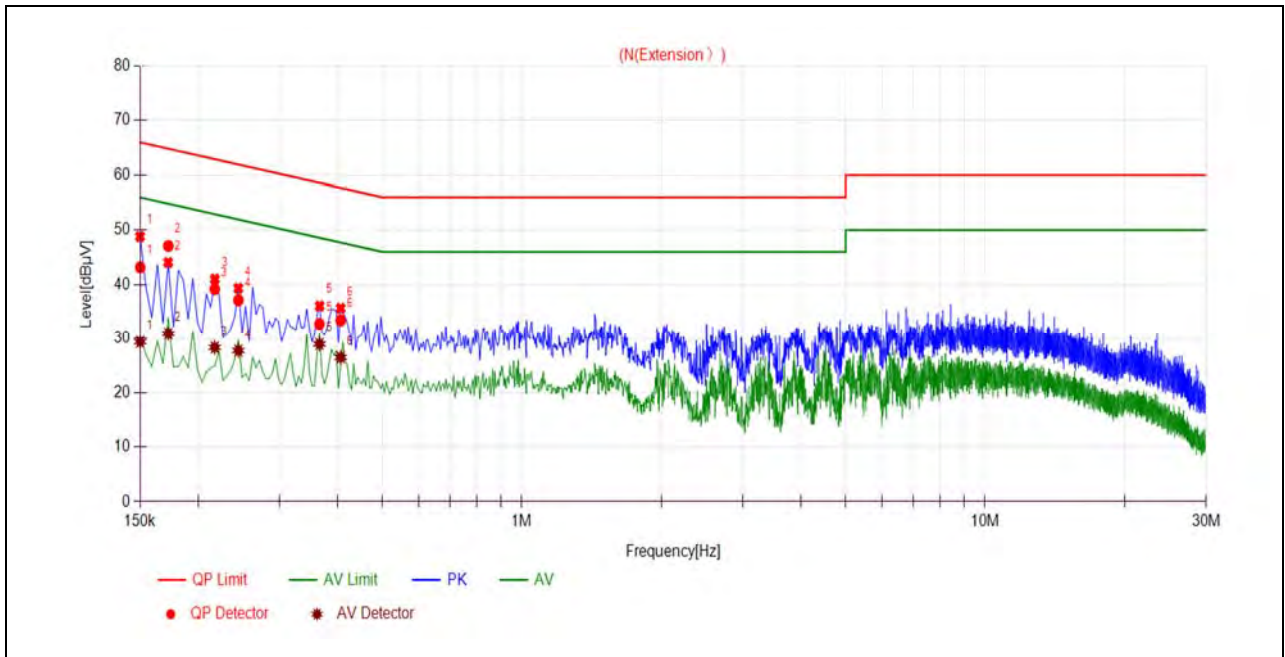
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1589	41.44	24.73	65.52	55.52	Line	PASS
2	0.1725	45.76	30.85	64.84	54.84		PASS
3	0.2174	39.38	30.14	62.92	52.92		PASS
4	0.2401	36.73	28.53	62.09	52.09		PASS
5	0.3704	31.95	25.85	58.49	48.49		PASS
6	0.4110	33.33	29.27	57.63	47.63		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1501	43.18	29.36	65.99	55.99	Neutral	PASS
2	0.1726	47.10	30.91	64.83	54.83		PASS
3	0.2174	39.18	28.31	62.92	52.92		PASS
4	0.2445	37.14	27.73	61.94	51.94		PASS
5	0.3658	32.75	28.95	58.60	48.60		PASS
6	0.4065	33.43	26.47	57.72	47.72		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

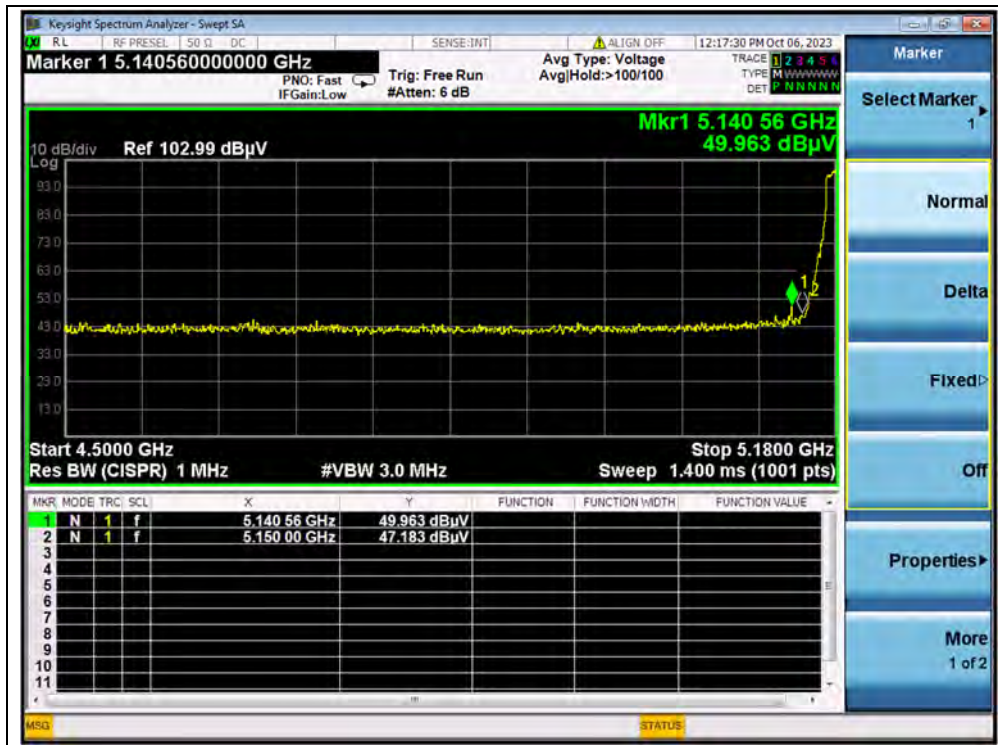
A_{Factor} : Antenna Factor at 3m

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.

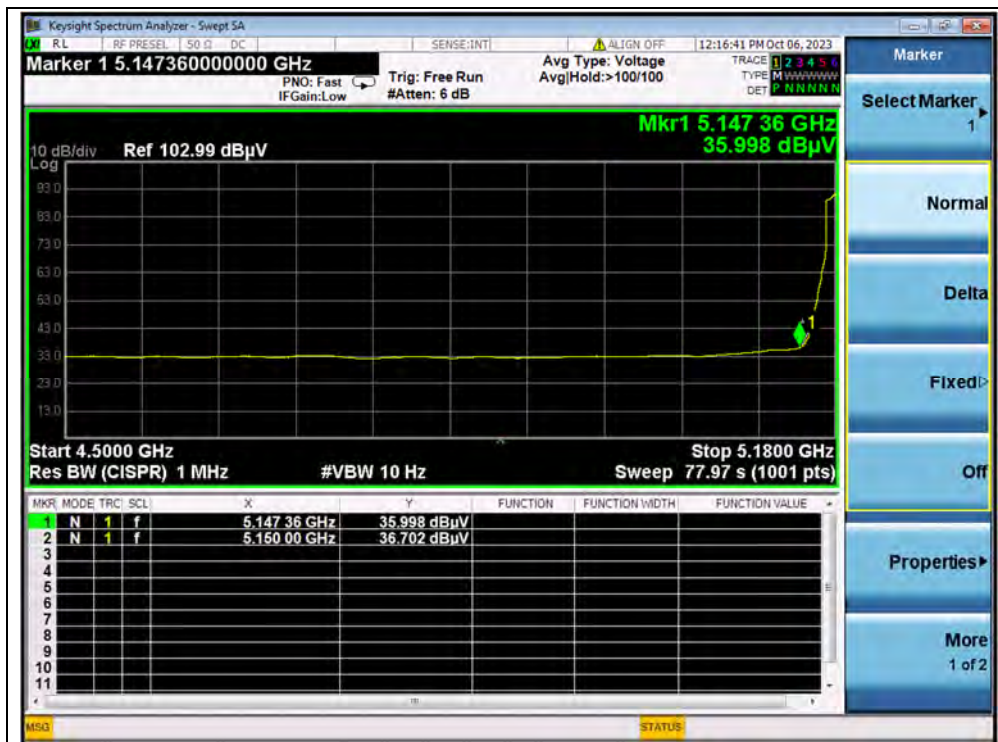
Note 2: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

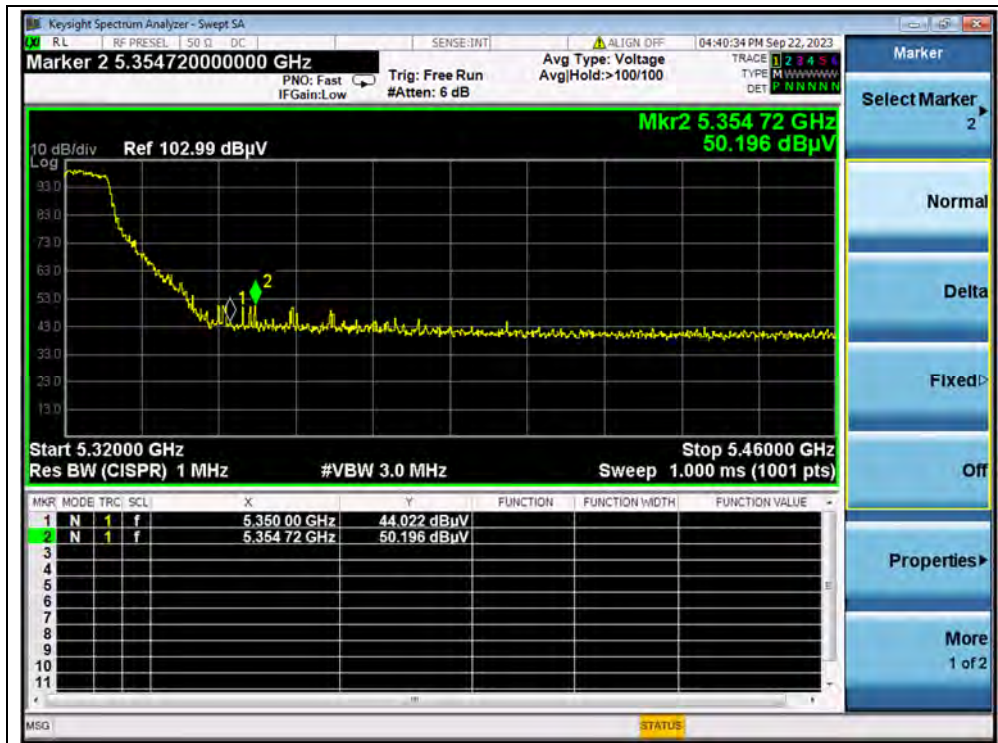
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
36	5140.56	PK	49.96	-19.54	32.20	62.62	74	PASS
36	5150.00	AV	36.70	-19.54	32.20	49.36	54	PASS
64	5354.72	PK	50.20	-18.80	32.20	63.60	74	PASS
64	5350.00	AV	34.81	-18.80	32.20	48.21	54	PASS
100	5470.00	PK	49.96	-19.20	32.20	62.96	68.23	PASS
100	5160.00	AV	33.56	-19.20	32.20	46.56	54	PASS
144	5726.40	PK	45.54	-19.20	32.20	58.54	68.23	PASS
149	5725.00	PK	56.01	-19.01	32.20	69.20	122.23	PASS
165	5850.00	PK	45.20	-19.01	32.20	58.39	122.23	PASS



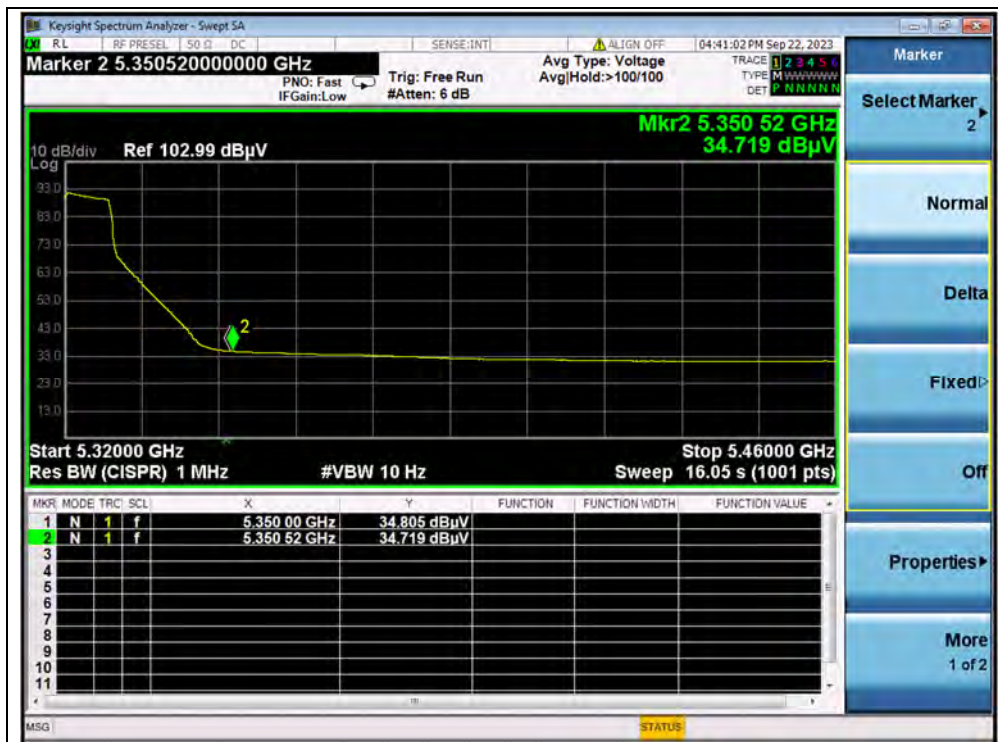
(PEAK, Channel 36, 802.11a)



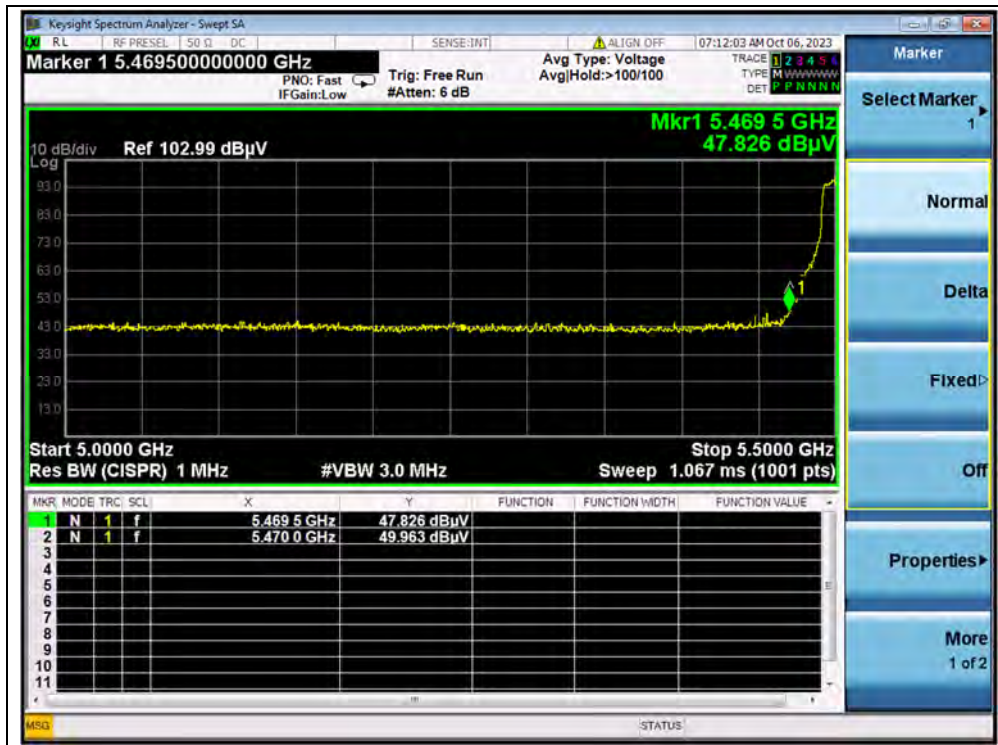
(AVERAGE, Channel 36, 802.11a)



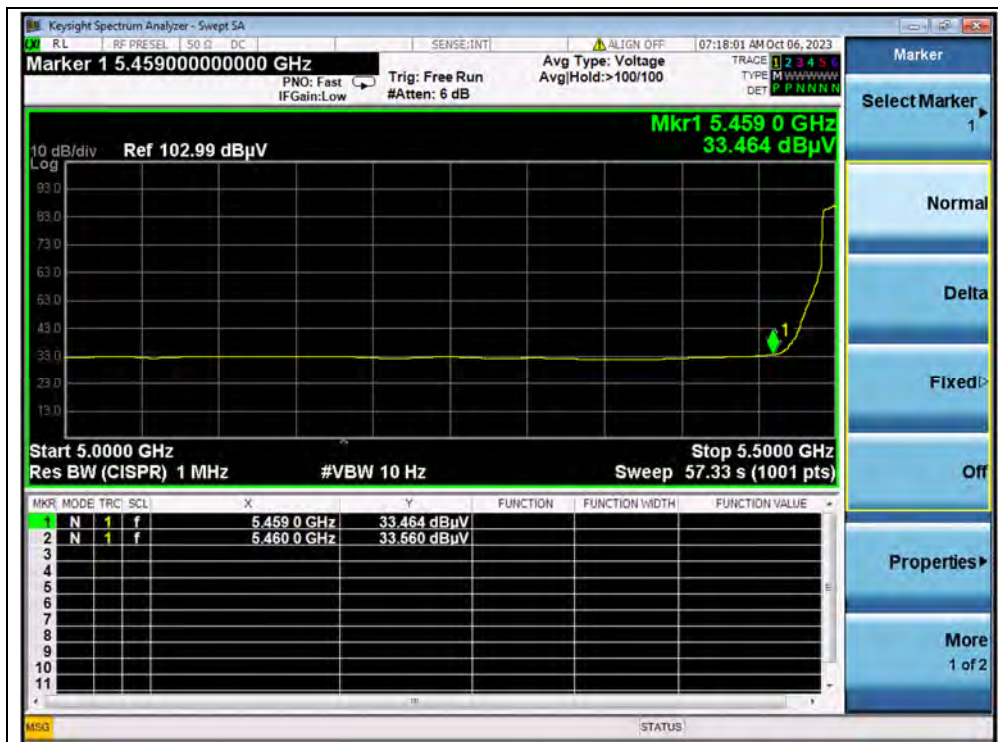
(PEAK, Channel 64, 802.11a)



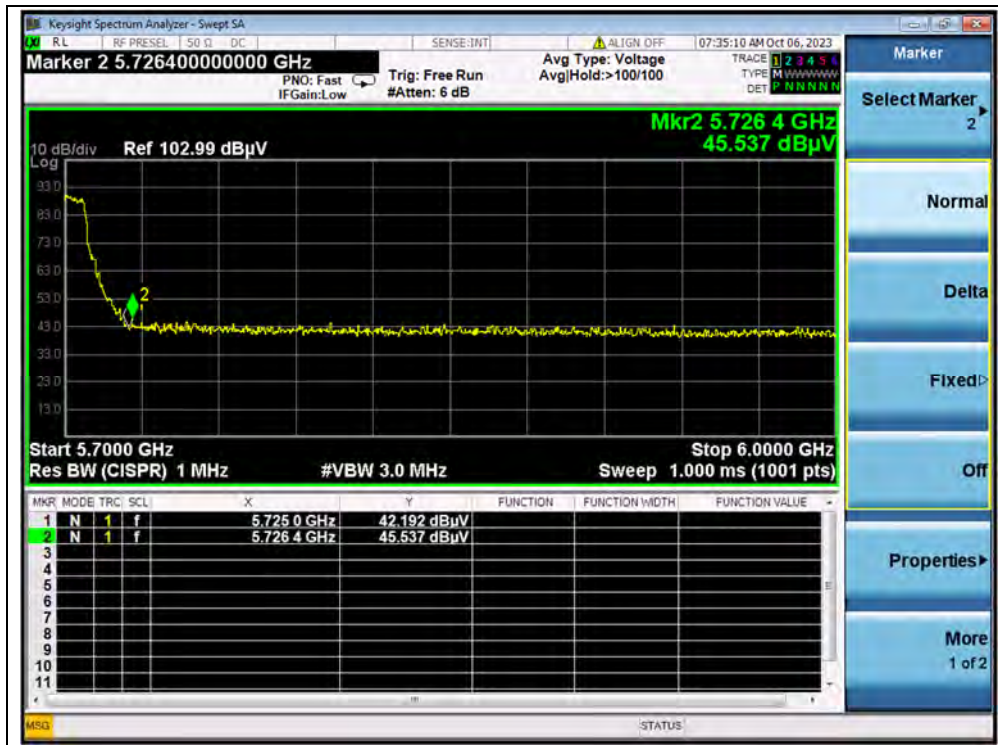
(AVERAGE, Channel 64, 802.11a)



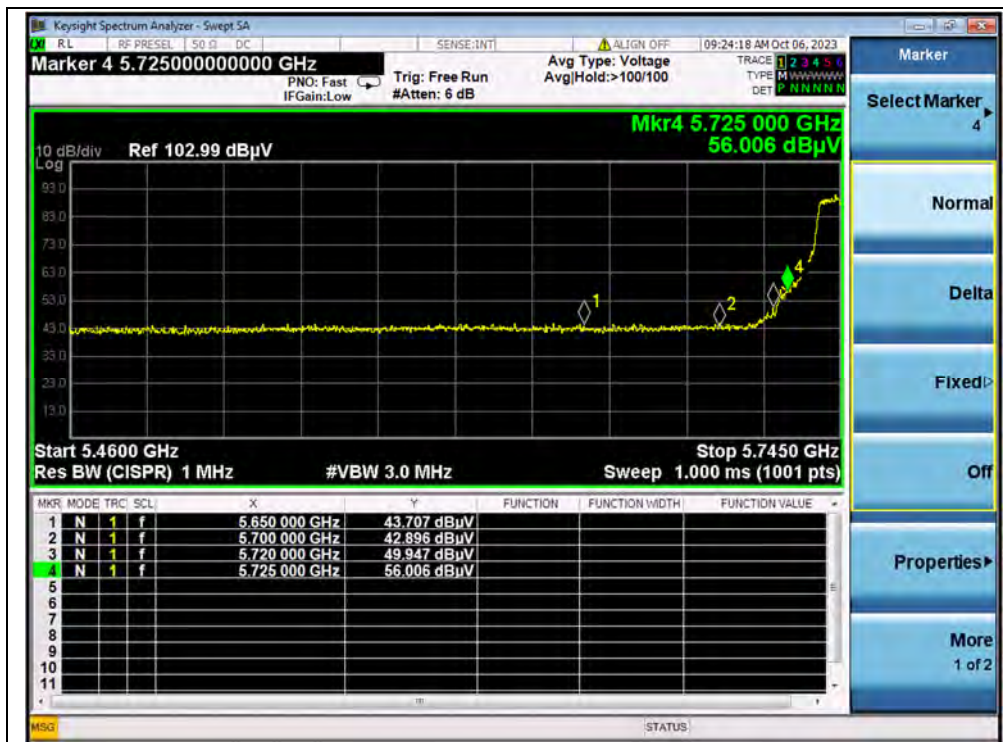
(PEAK, Channel 100, 802.11a)



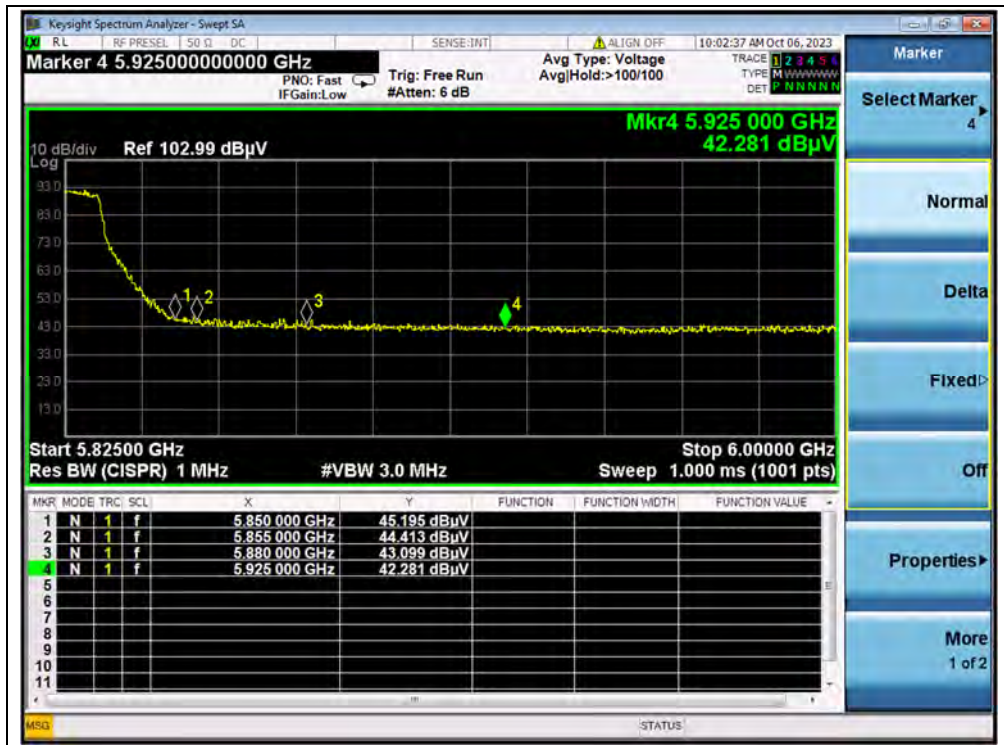
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)

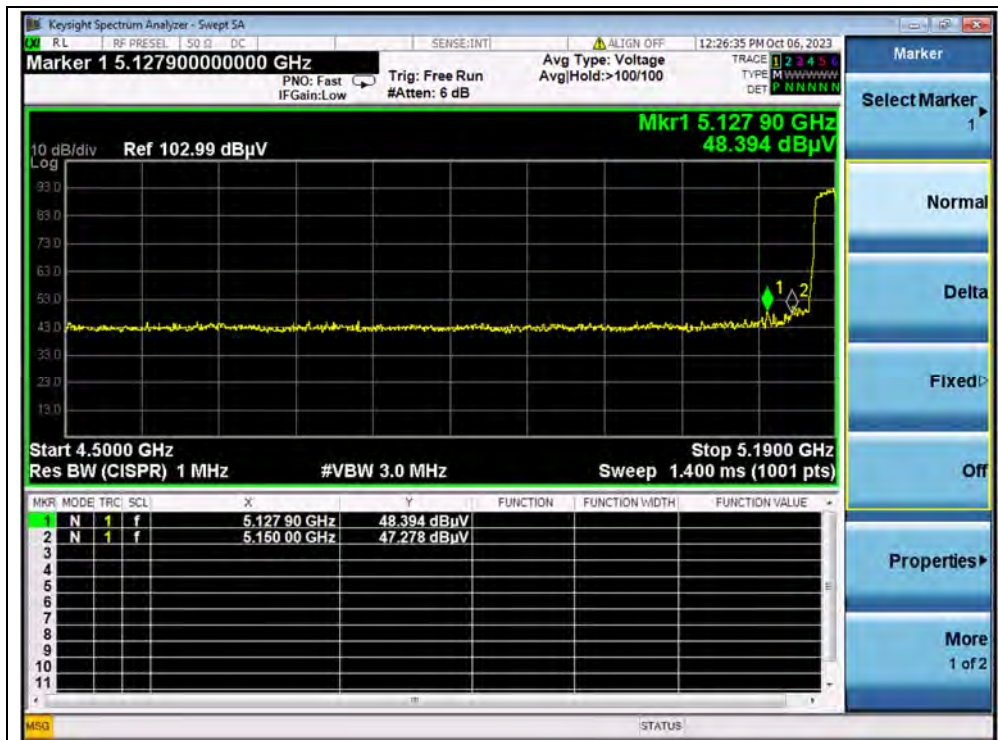


(PEAK, Channel 165, 802.11a)

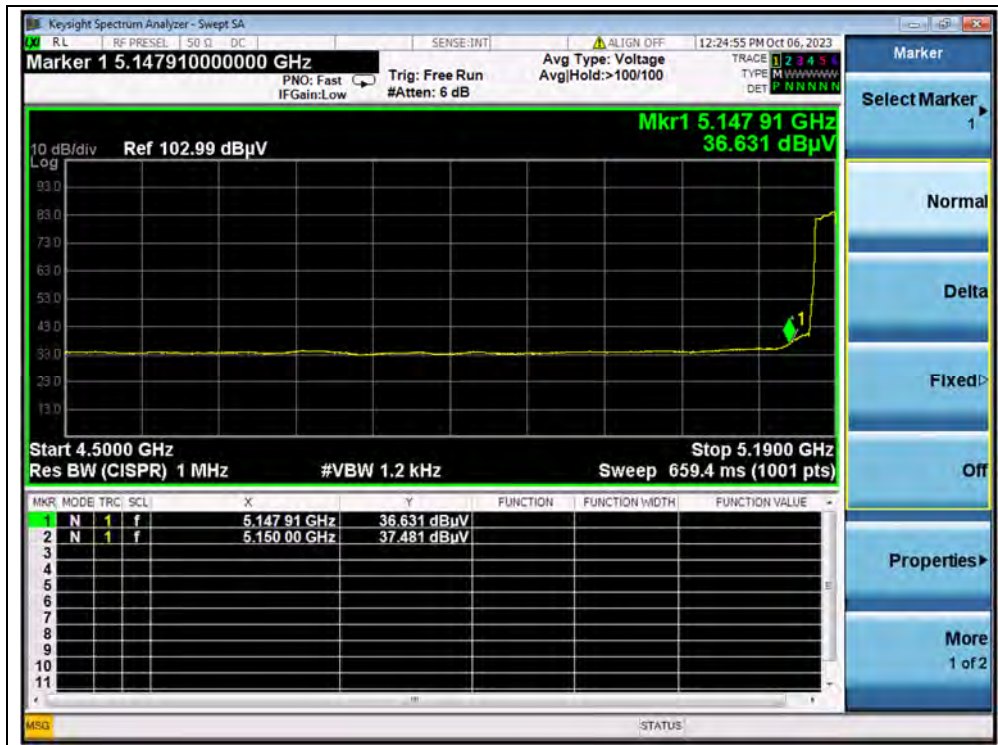


802.11n (HT40) Mode

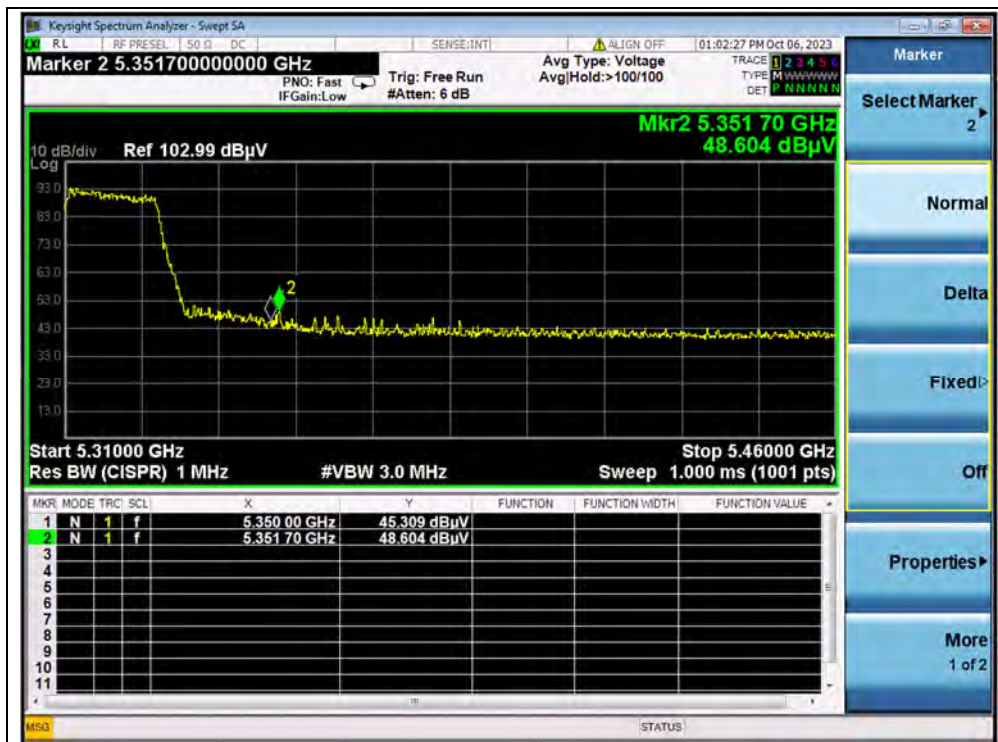
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
38	5127.90	PK	48.39	-19.54	32.20	61.05	74	PASS
38	5150.00	AV	37.48	-19.54	32.20	50.14	54	PASS
62	5354.72	PK	50.20	-18.80	32.20	63.60	74	PASS
62	5350.00	AV	34.81	-18.80	32.20	48.21	54	PASS
102	5470.00	PK	50.68	-19.20	32.20	63.68	68.23	PASS
102	5460.00	AV	35.40	-19.20	32.20	48.40	54	PASS
142	5749.53	PK	45.21	-19.20	32.20	58.21	68.23	PASS
151	5725.00	PK	58.53	-19.01	32.20	71.72	122.23	PASS
159	5850.00	PK	44.76	-19.01	32.20	57.95	122.23	PASS



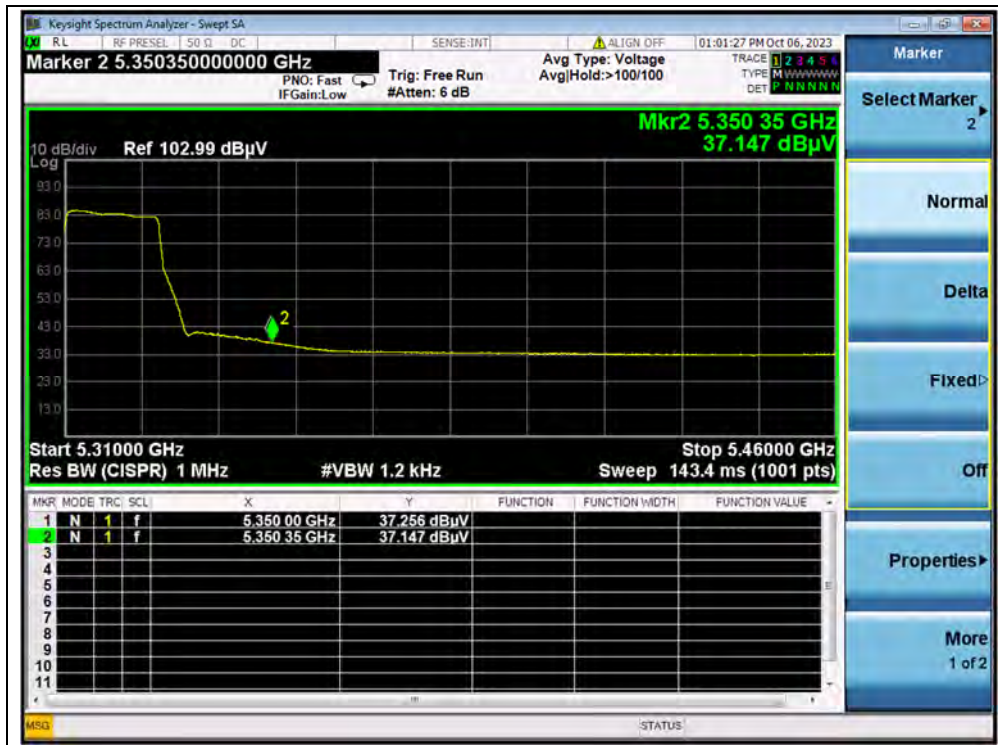
(PEAK, Channel 38, 802.11n (HT40))



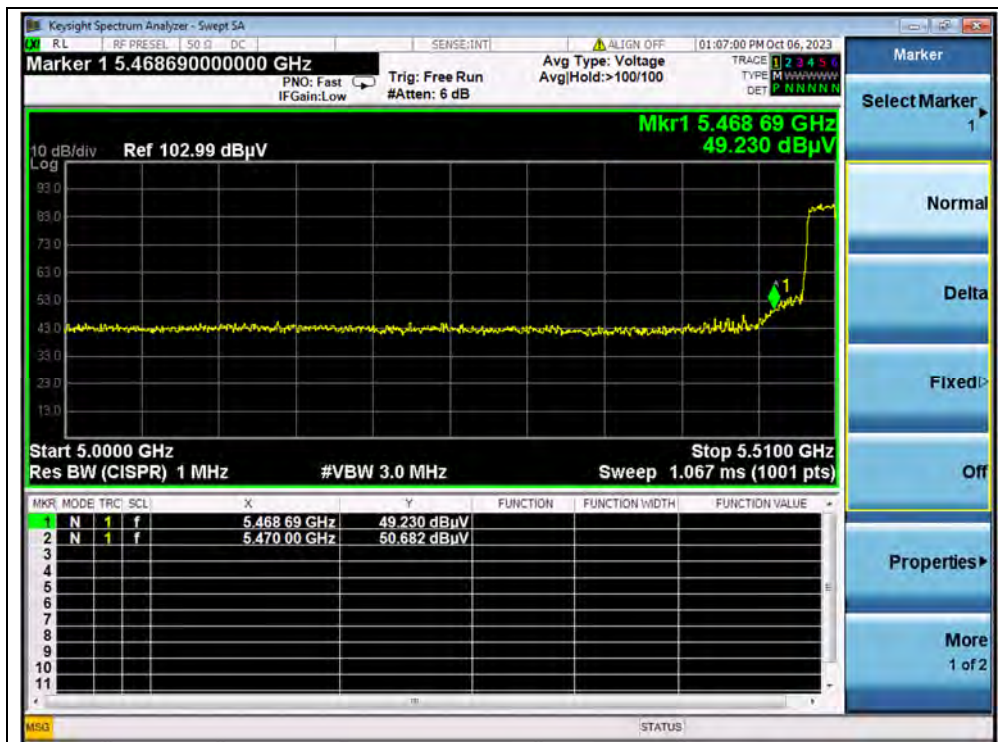
(AVERAGE, Channel 38, 802.11n (HT40))



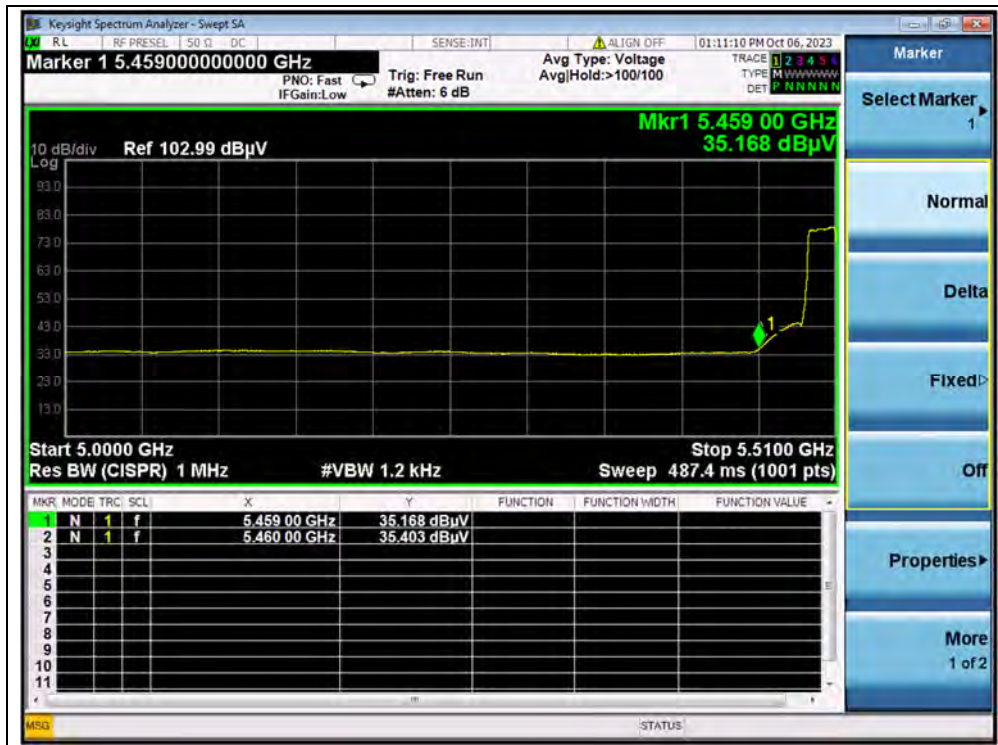
(PEAK, Channel 62, 802.11n (HT40))



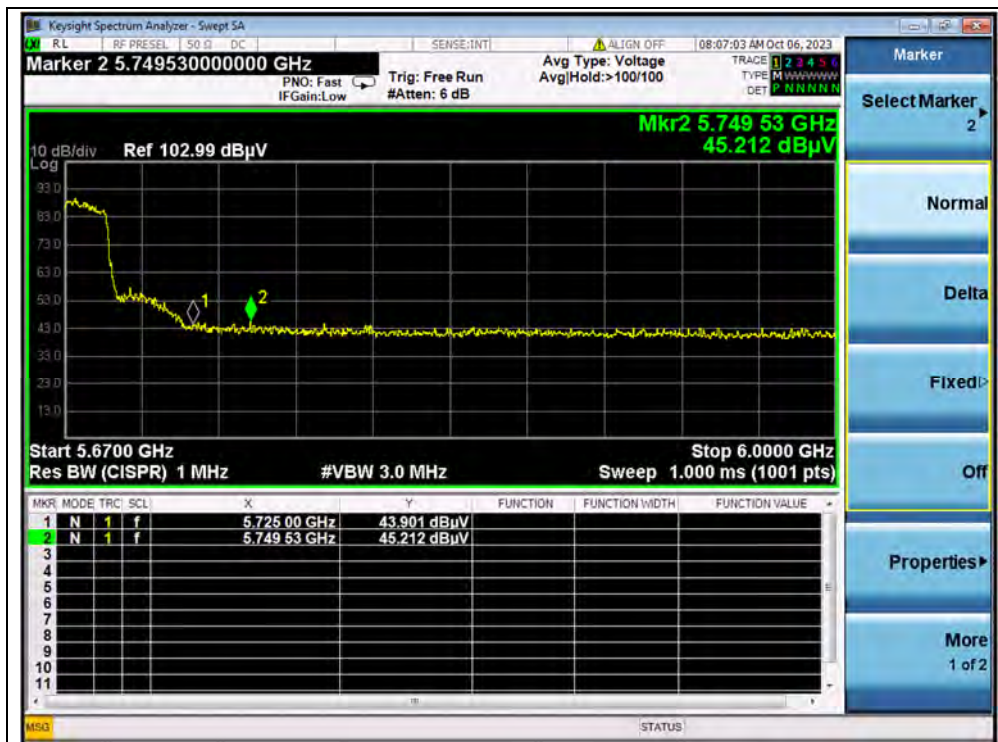
(AVERAGE, Channel 62, 802.11n (HT40))



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



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



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



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

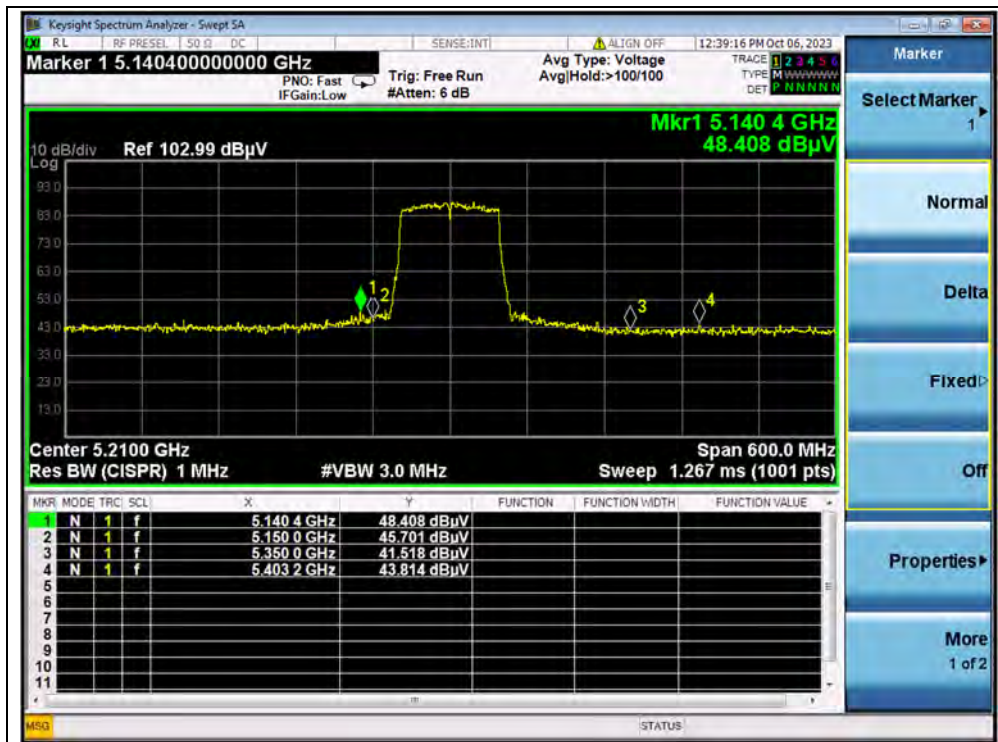


(PEAK, Channel 159, 802.11n (HT40))

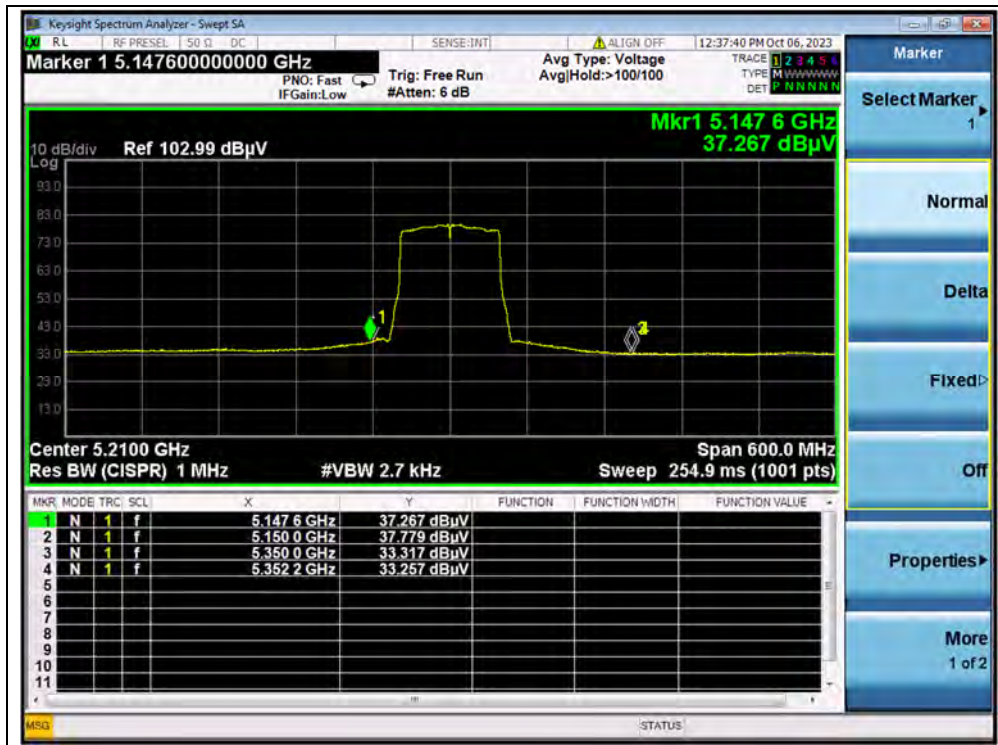


802.11ac (VHT80) Mode

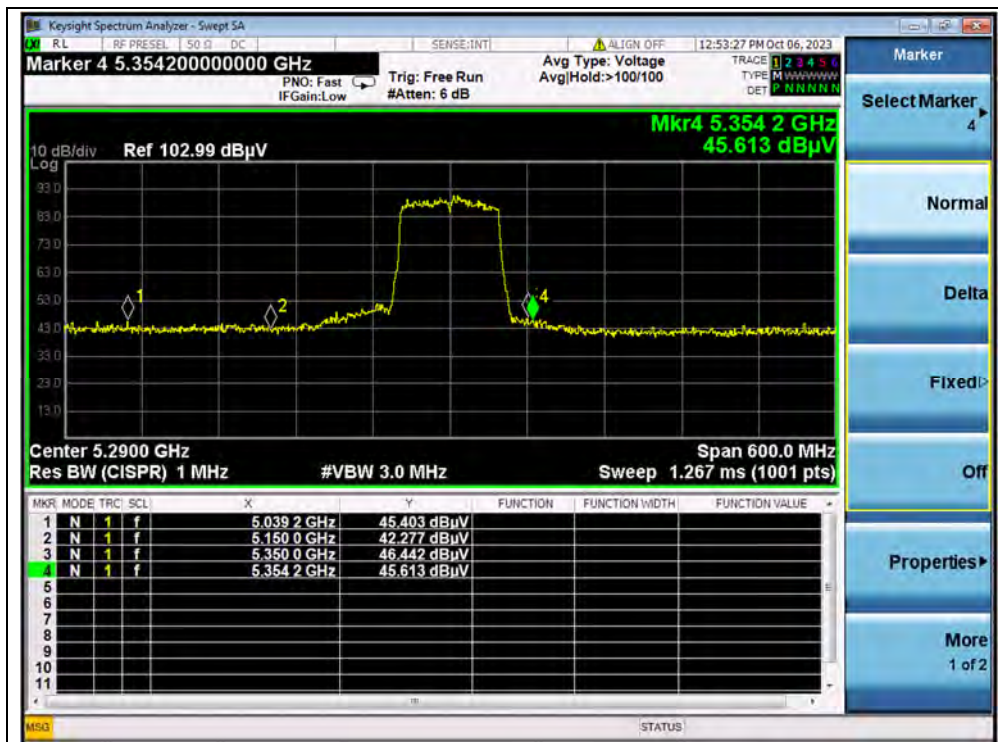
Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBμV)	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
42	5140.40	PK	48.41	-19.54	32.20	61.07	74	PASS
42	5150.00	AV	37.78	-19.54	32.20	50.44	54	PASS
58	5350.00	PK	46.44	-18.80	32.20	59.84	74	PASS
58	5350.00	AV	37.11	-18.80	32.20	50.51	54	PASS
106	5455.80	PK	45.95	-19.20	32.20	58.95	74	PASS
106	5458.45	AV	36.74	-19.20	32.20	49.74	54	PASS
138	5741.04	PK	46.58	-19.20	32.20	59.58	68.23	PASS
155	5725.00	PK	52.12	-19.01	32.20	65.31	122.23	PASS
155	5850.00	PK	46.35	-19.01	32.20	59.54	122.23	PASS



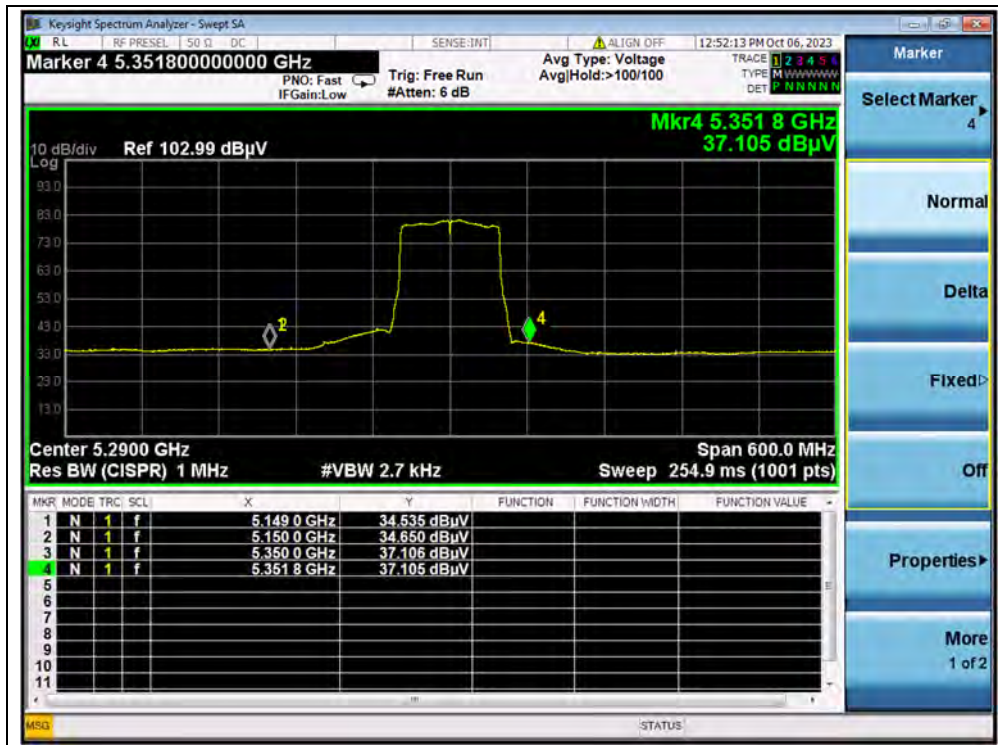
(PEAK, Channel 42, 802.11ac (VHT80))



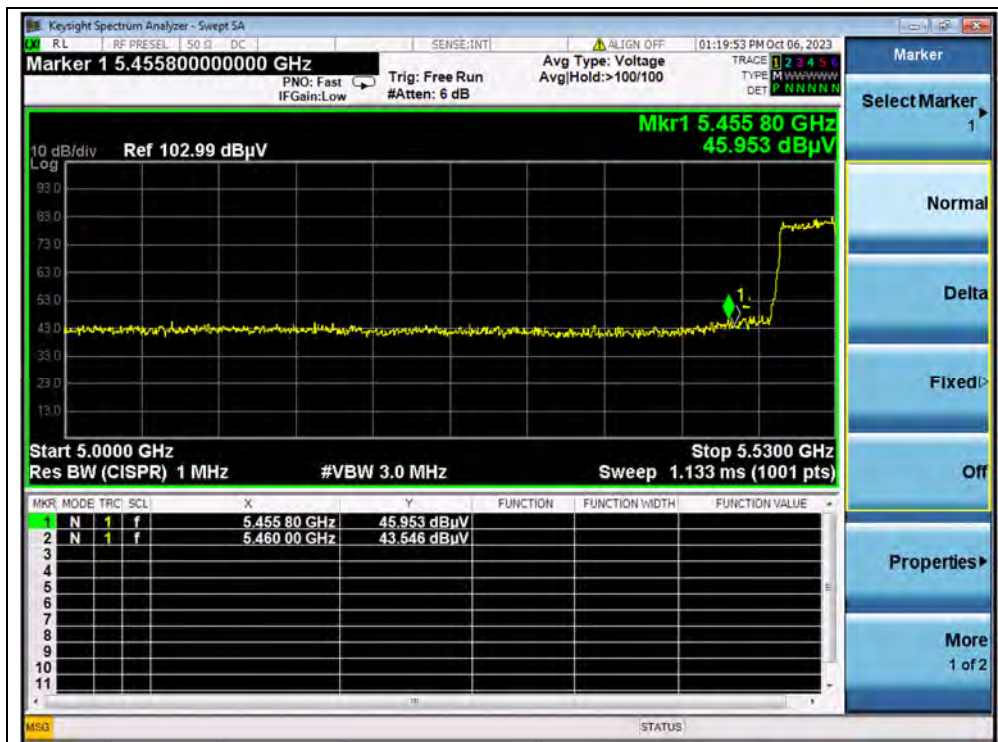
(AVERAGE, Channel 42, 802.11ac (VHT80))



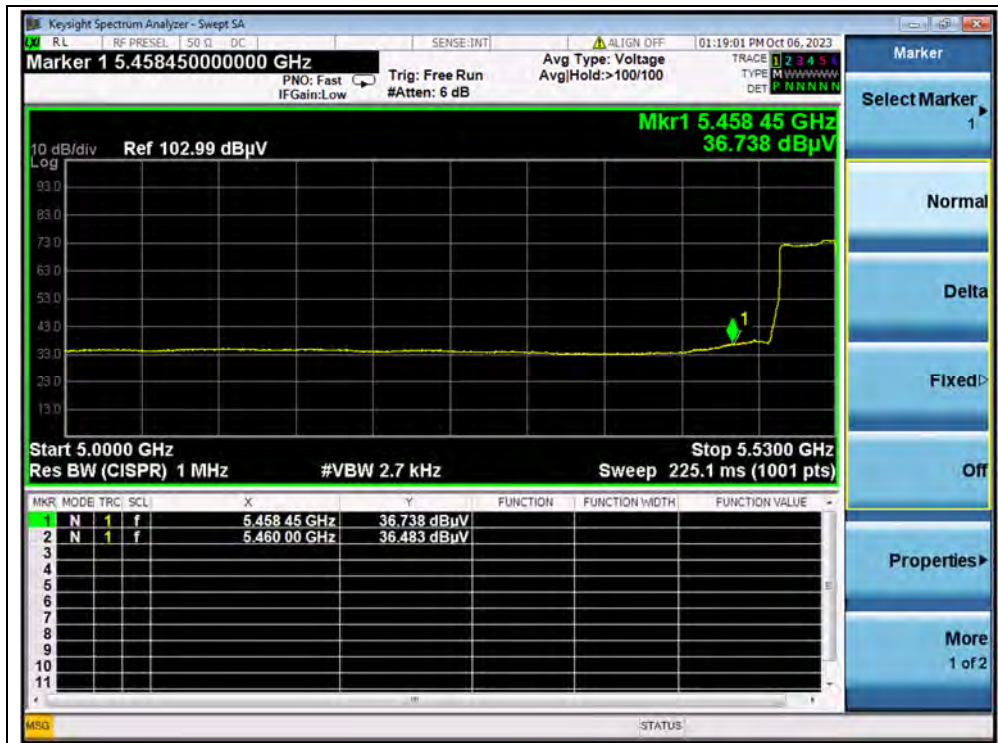
(PEAK, Channel 58, 802.11ac (VHT80))



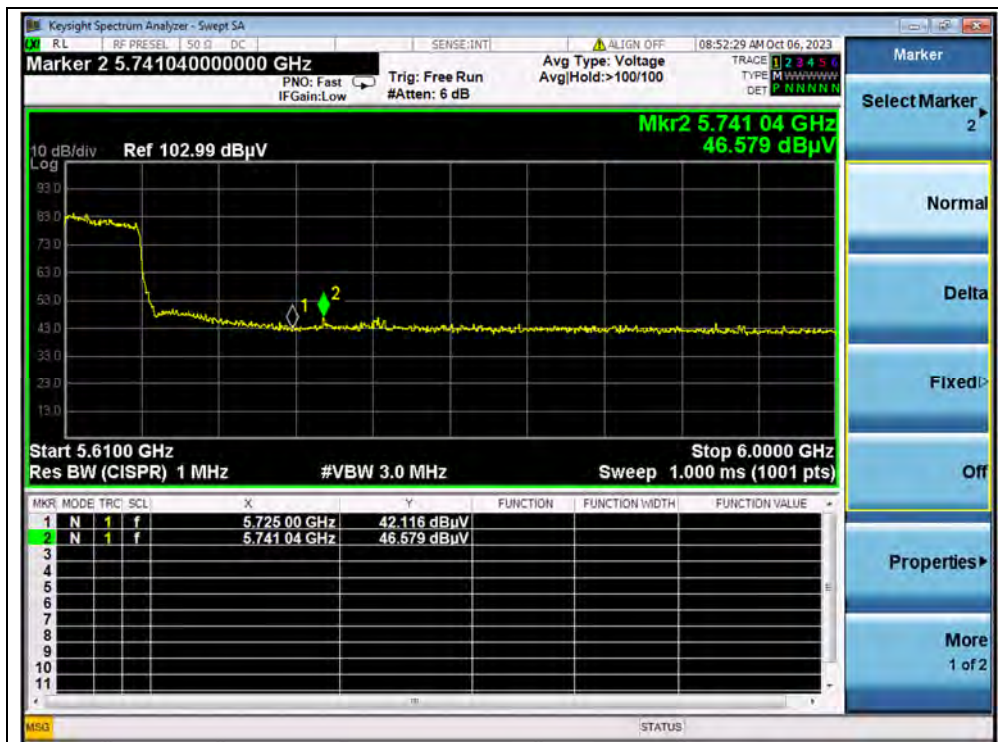
(AVERAGE, Channel 58, 802.11ac (VHT80))



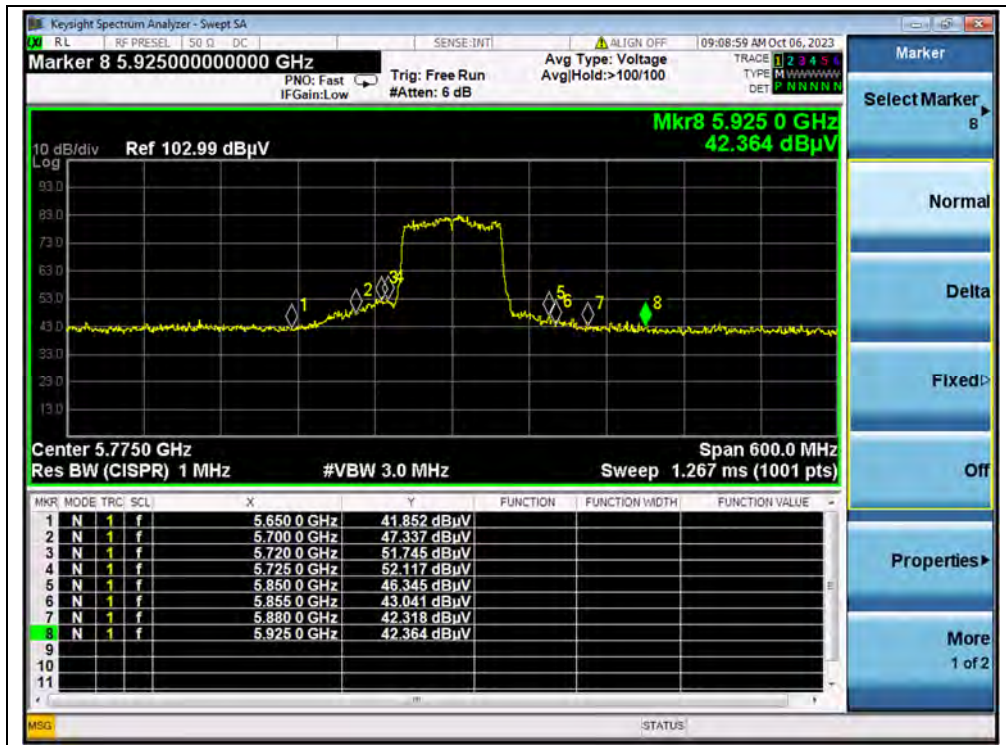
(PEAK, Channel 106, 802.11ac (VHT80))



(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.

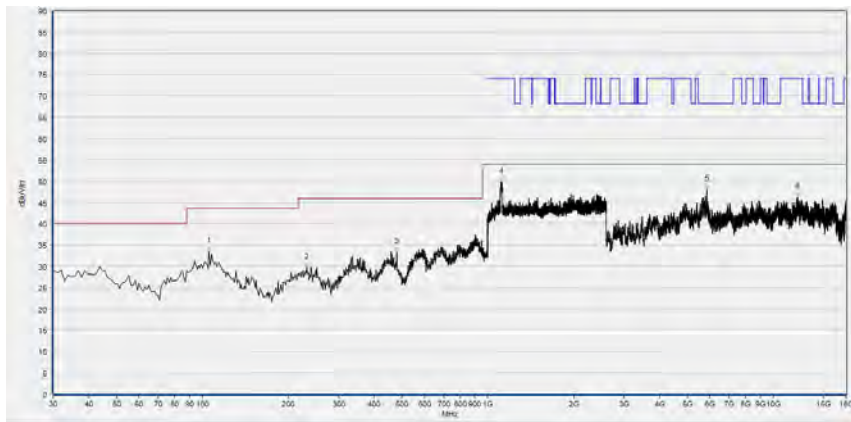
Note3: For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note4: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.



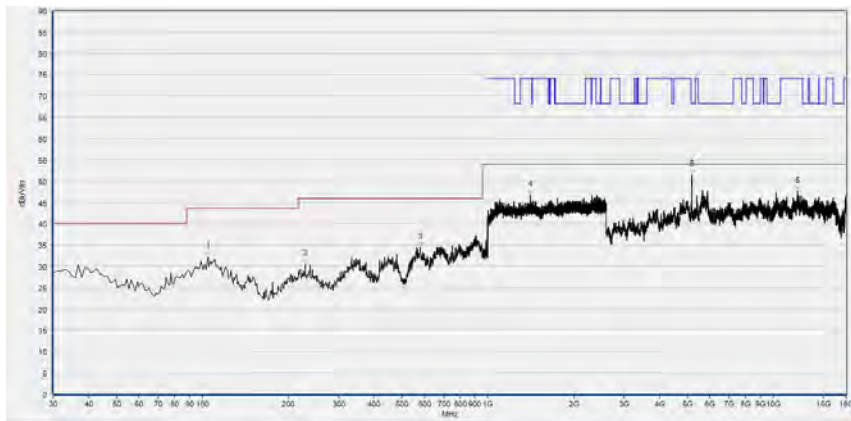
802.11a Mode

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	33.58	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
232.730	29.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
480.080	33.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1113.600	49.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5852.480	48.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12163.400	46.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

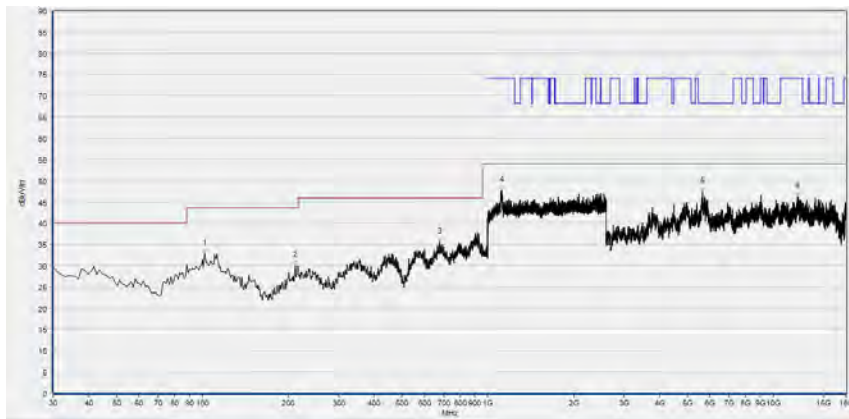
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	32.10	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.850	30.43	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
579.020	34.44	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1408.533	46.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5181.040	51.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12154.160	47.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

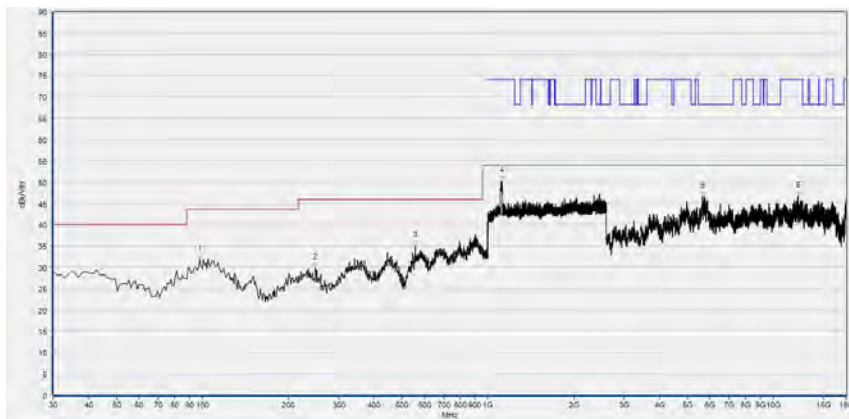
(Antenna Vertical, 30MHz to 18GHz)

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
101.780	32.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
211.390	30.05	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
676.990	35.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1117.867	47.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5652.280	47.38	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12138.760	46.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

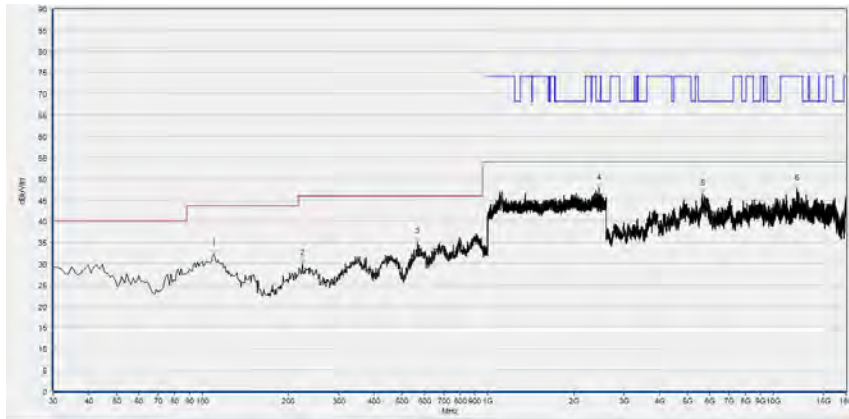
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
97.900	31.80	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
248.250	29.76	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
557.680	35.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1116.800	50.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5649.200	46.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12203.440	46.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

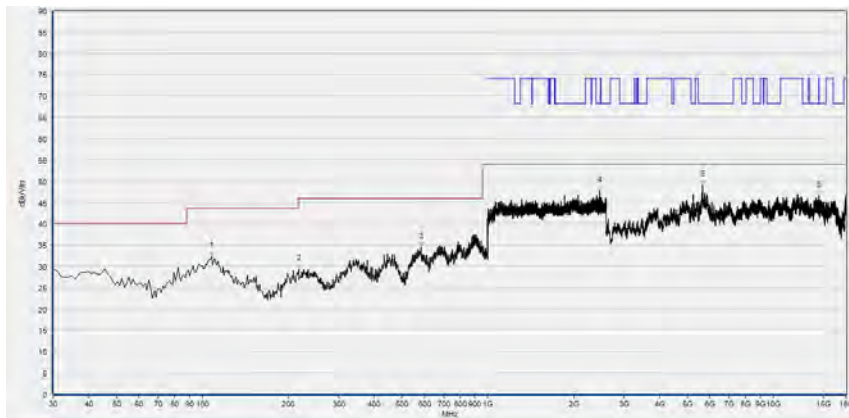
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.000	30.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
566.410	35.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2456.533	47.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5661.520	46.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12064.840	47.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

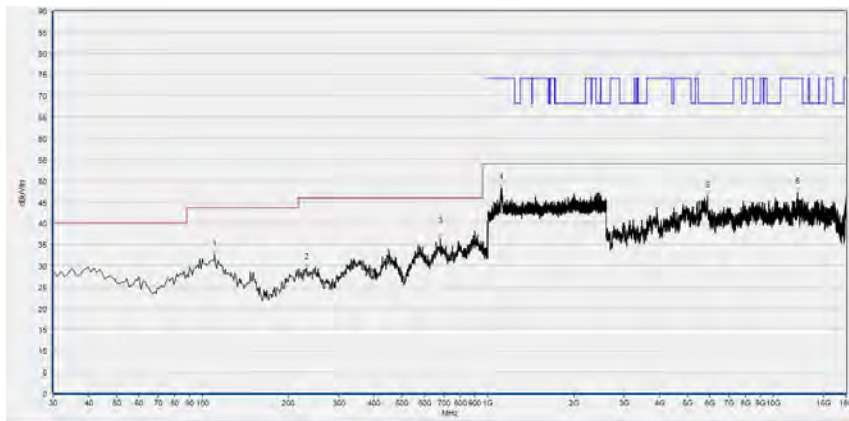
(Antenna Horizontal, 30MHz to 18GHz)



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	32.34	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
217.210	29.33	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
583.870	34.46	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2463.467	47.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5646.120	49.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14448.760	46.64	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

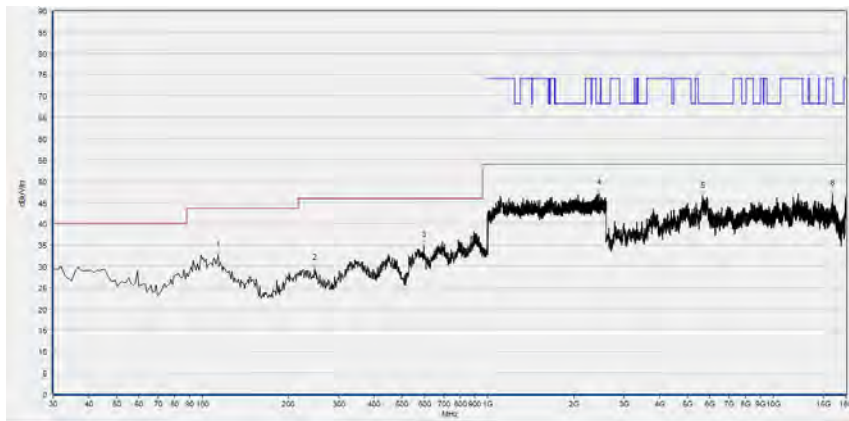
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	32.46	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
231.760	29.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
680.870	36.35	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1113.067	48.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5870.960	46.39	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12166.480	47.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

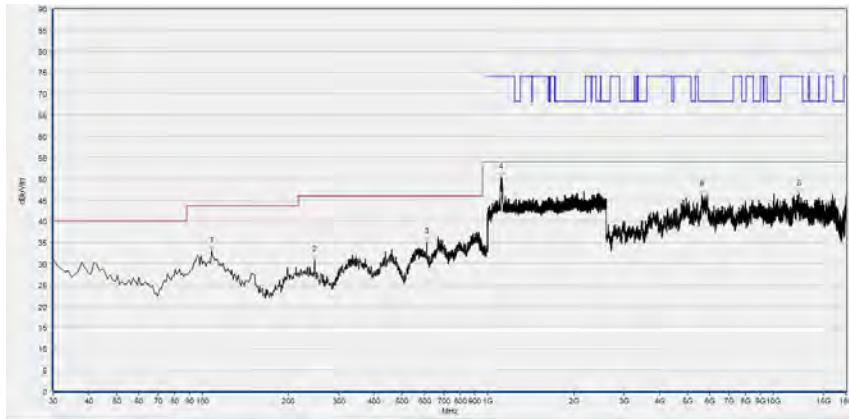
(Antenna Horizontal, 30MHz to 18GHz)



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
113.420	32.57	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
247.280	29.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
597.450	34.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2450.667	47.16	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5655.360	46.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16164.320	46.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

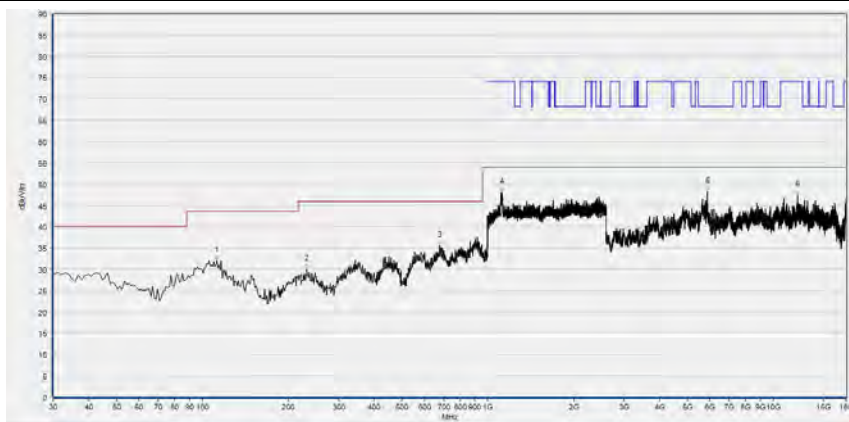
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 60



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	33.09	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
247.280	30.82	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
610.060	35.07	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1111.467	50.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5630.720	46.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12298.920	46.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

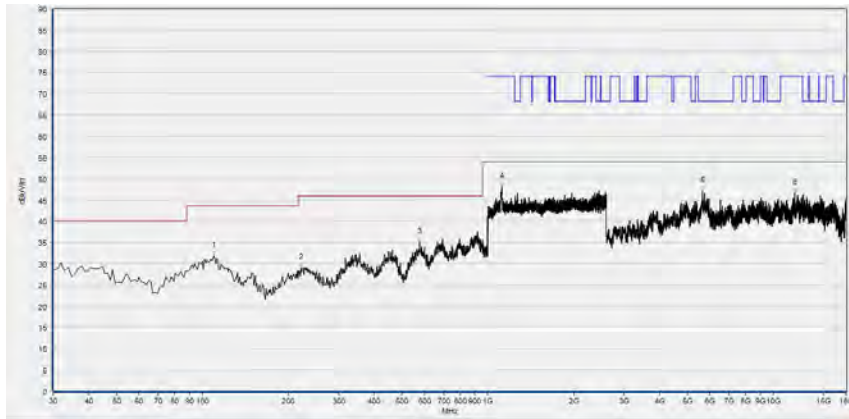
(Antenna Horizontal, 30MHz to 18GHz)



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
112.450	31.97	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
232.730	30.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
677.960	35.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1121.600	48.13	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5867.880	48.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12194.200	47.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

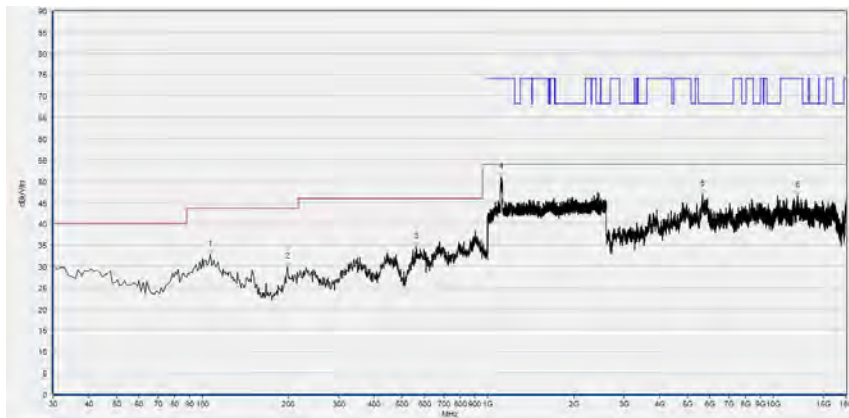
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	31.91	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
221.090	29.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
577.080	35.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1117.867	48.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5646.120	47.18	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11892.360	46.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

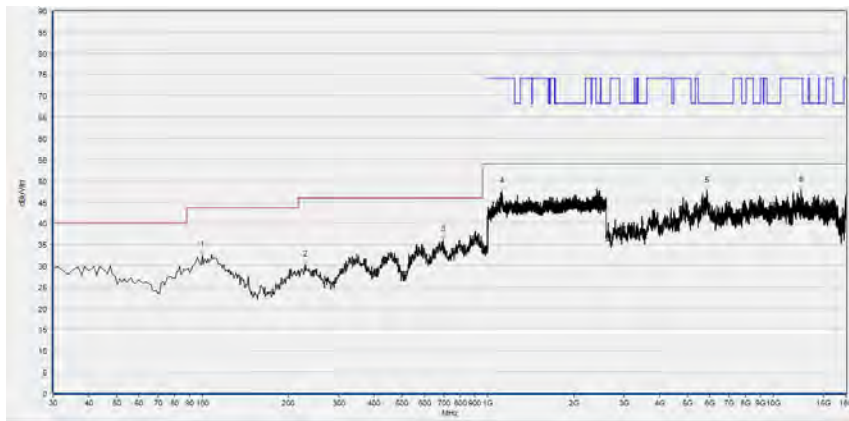
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	32.70	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
198.780	29.84	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
560.590	34.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1113.600	50.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5636.880	46.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12151.080	46.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

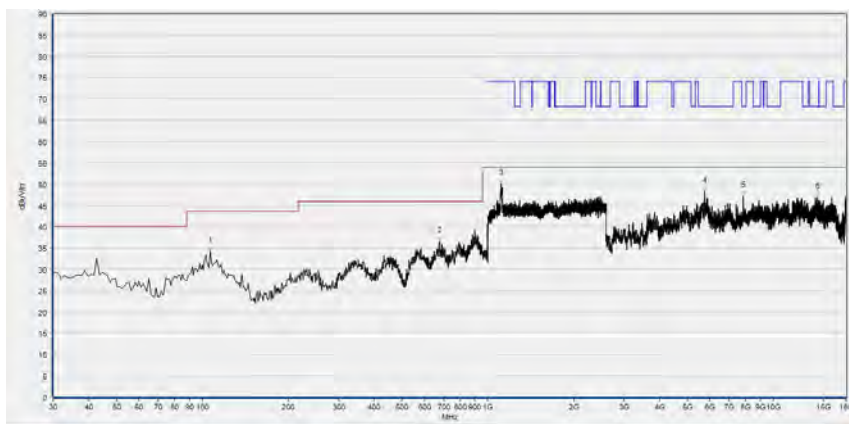
(Antenna Vertical, 30MHz to 18GHz)

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
99.840	32.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
229.820	30.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
697.360	36.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1118.933	47.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5864.800	47.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12523.760	47.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

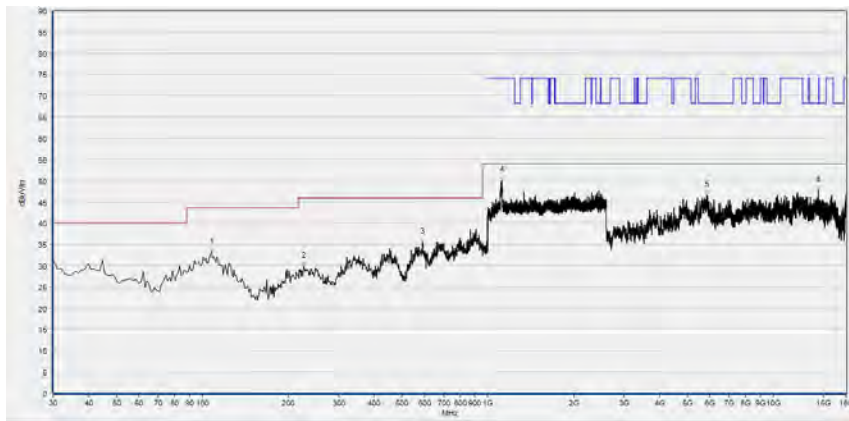
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	34.27	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
676.020	36.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1115.200	50.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5757.000	48.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7845.240	47.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14254.720	46.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

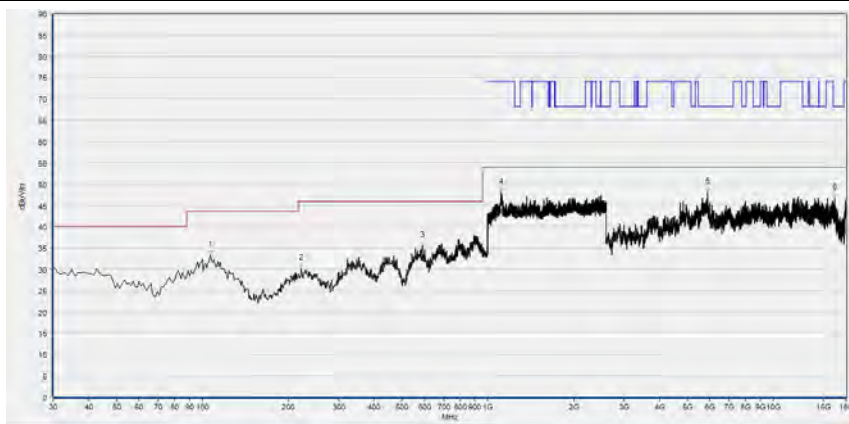
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	33.25	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
226.910	29.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
590.660	35.47	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1120.000	50.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5858.640	46.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14408.720	47.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

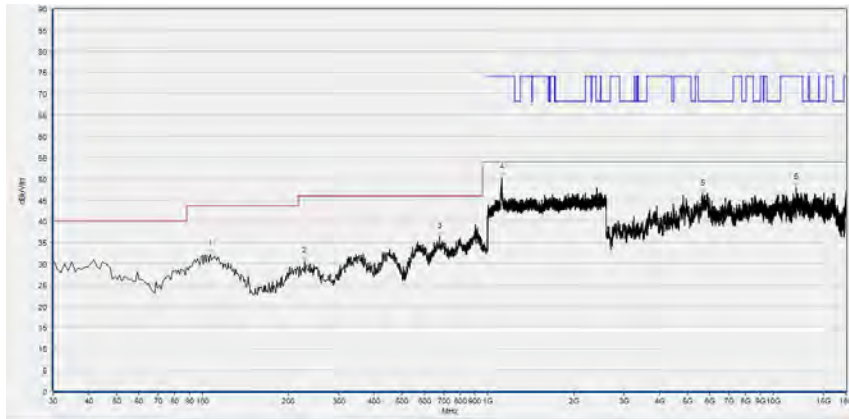
(Antenna Horizontal, 30MHz to 18GHz)



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	33.43	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
222.060	30.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
588.720	35.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1112.000	48.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5877.120	48.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16379.920	46.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

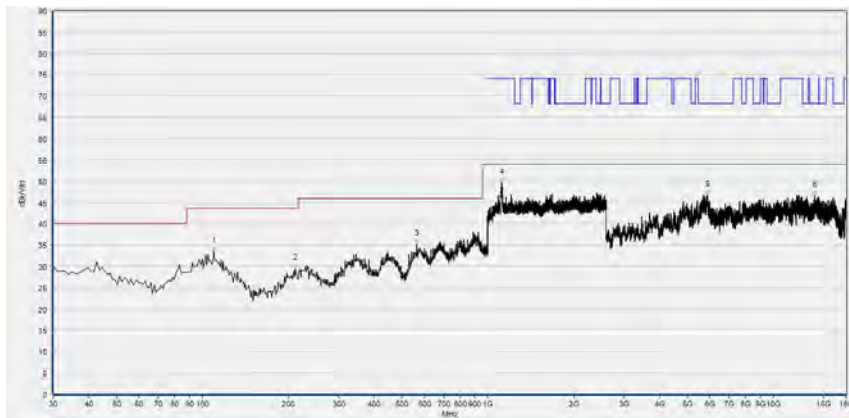
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 144



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	32.17	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
227.880	30.42	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
677.960	36.41	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1117.867	50.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5646.120	46.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12058.680	47.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

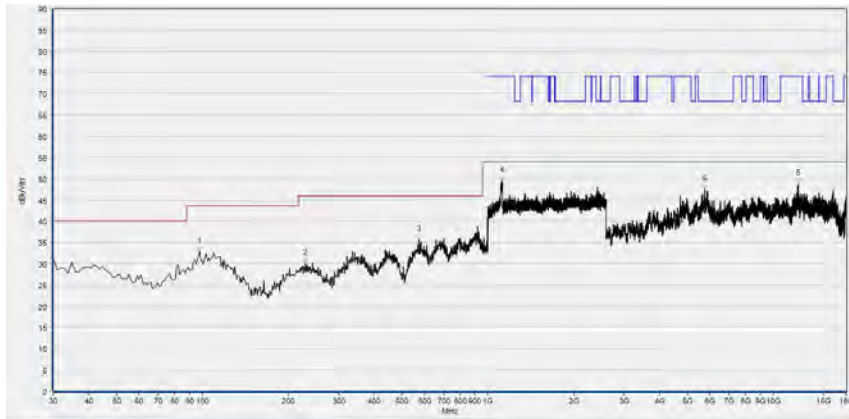
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	33.44	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
211.390	29.42	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
563.500	35.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1118.933	49.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5867.880	46.76	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13980.600	46.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

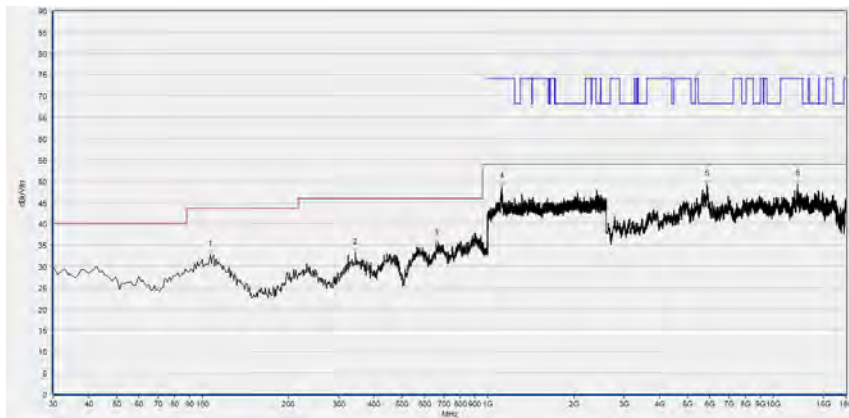
(Antenna Vertical, 30MHz to 18GHz)

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
97.900	32.87	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
229.820	30.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
575.140	35.72	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1119.467	49.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5747.760	47.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12215.760	48.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

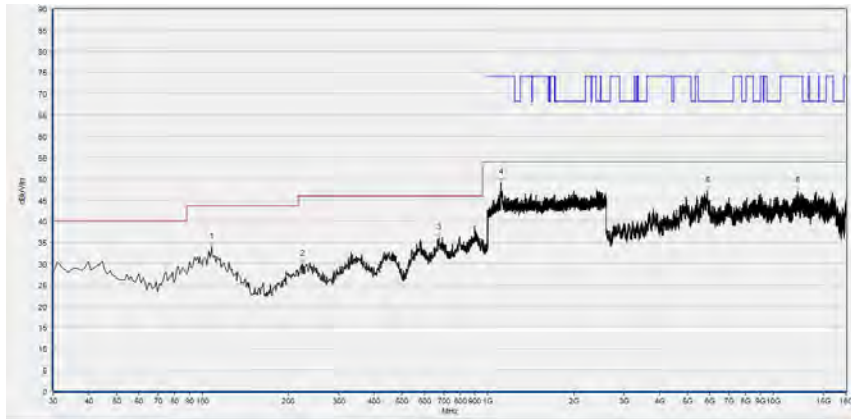
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	32.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
344.280	33.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
659.530	35.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1120.000	48.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5861.720	49.24	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12144.920	49.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

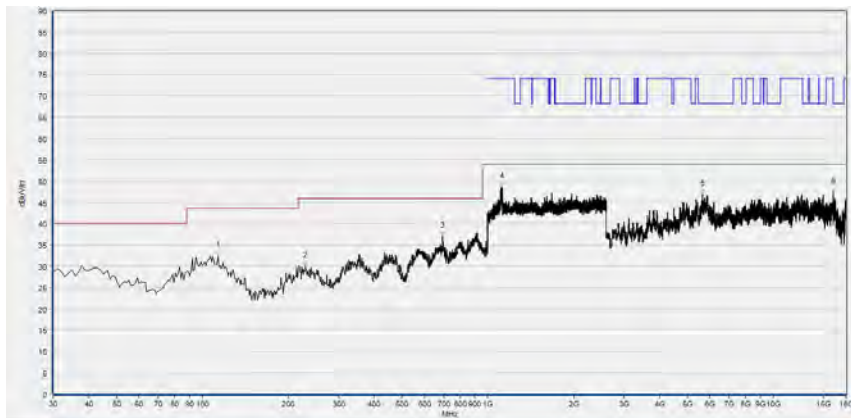
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	33.89	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.000	29.81	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
674.080	35.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1109.867	49.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5867.880	47.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12166.480	47.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

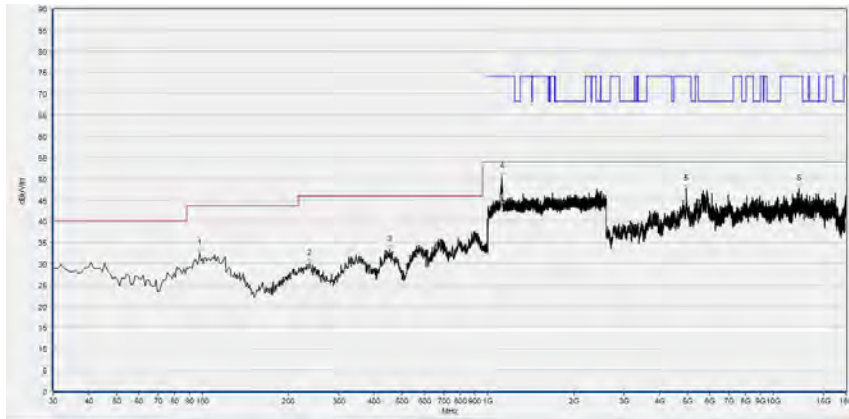
(Antenna Horizontal, 30MHz to 18GHz)



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
113.420	32.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
229.820	29.93	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
694.450	37.00	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1116.800	48.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5652.280	47.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16207.440	47.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

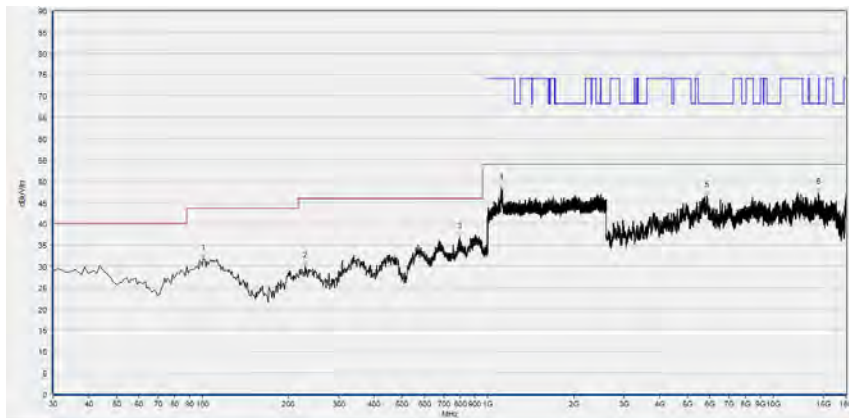
(Antenna Vertical, 30MHz to 18GHz)

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
97.900	32.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
237.580	29.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
452.920	33.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1116.800	50.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4962.360	47.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12289.680	47.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



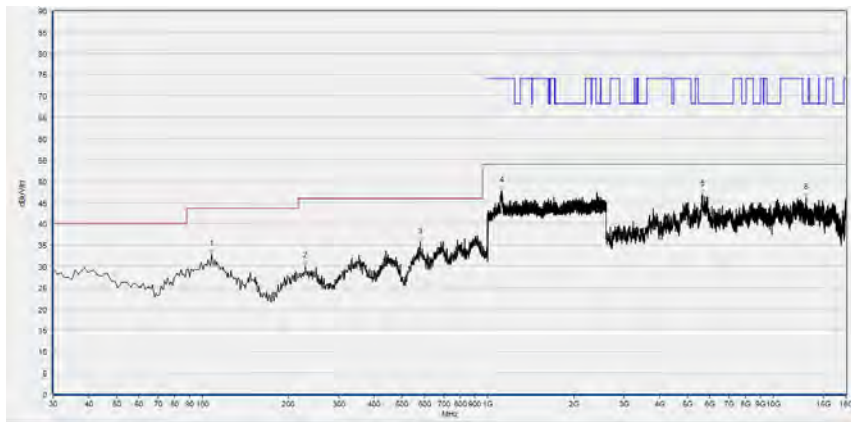
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	31.81	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.850	29.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
796.300	36.79	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1115.200	48.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5864.800	46.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14387.160	47.28	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



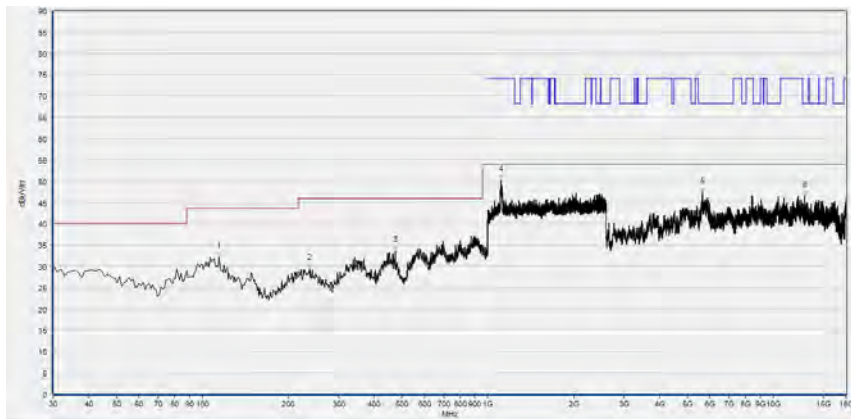
802.11n (HT40) mode

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
107.600	32.79	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
229.820	29.94	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
579.990	35.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1116.267	47.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5649.200	46.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13065.840	46.11	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

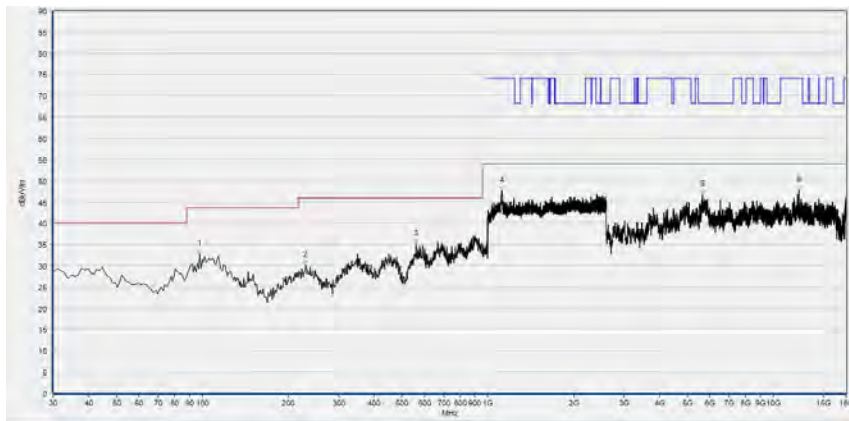
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
114.390	32.13	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
237.580	29.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
474.260	33.69	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1109.867	50.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5636.880	47.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12908.760	46.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

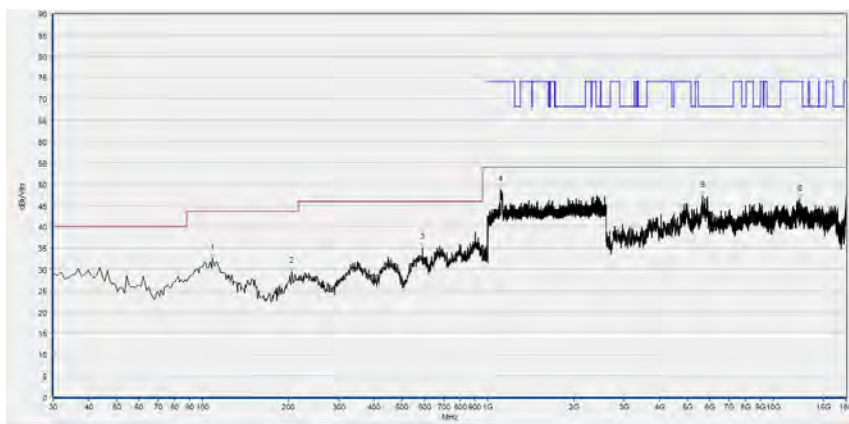
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 46



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
97.900	32.68	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
229.820	30.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
561.560	35.04	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1118.933	47.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5646.120	46.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12274.280	47.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

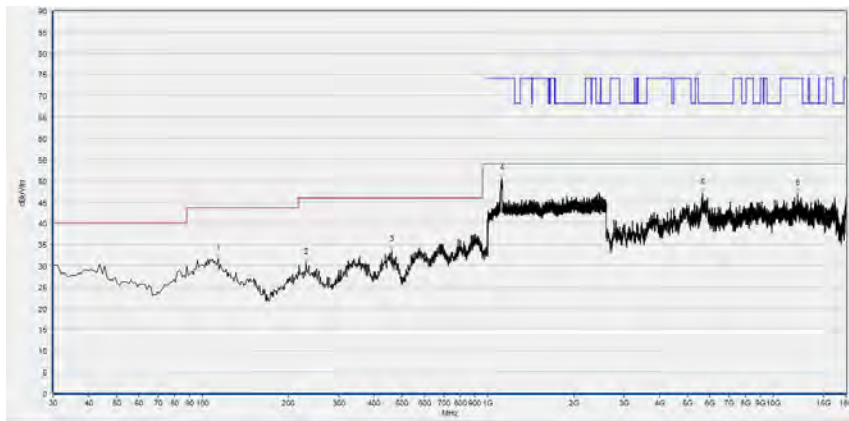
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
108.570	32.45	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
205.570	29.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
589.690	35.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1109.333	48.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5664.600	47.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12342.040	46.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

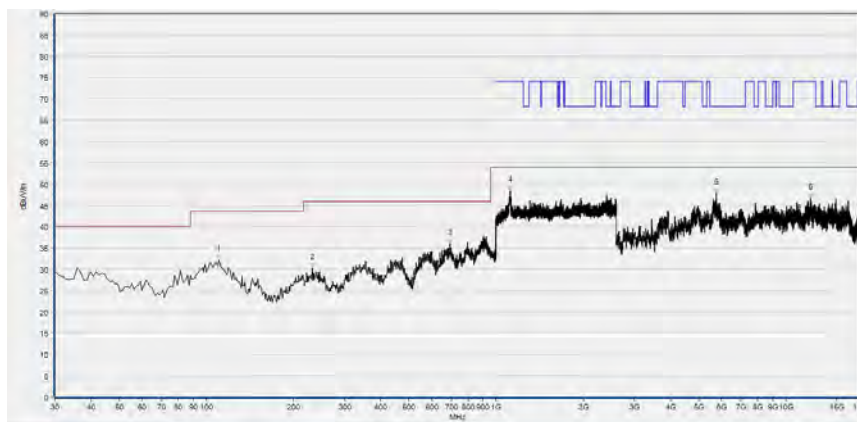
(Antenna Vertical, 30MHz to 18GHz)

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
113.420	31.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
230.790	30.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
460.680	33.63	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1121.067	50.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5664.600	47.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12154.160	46.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

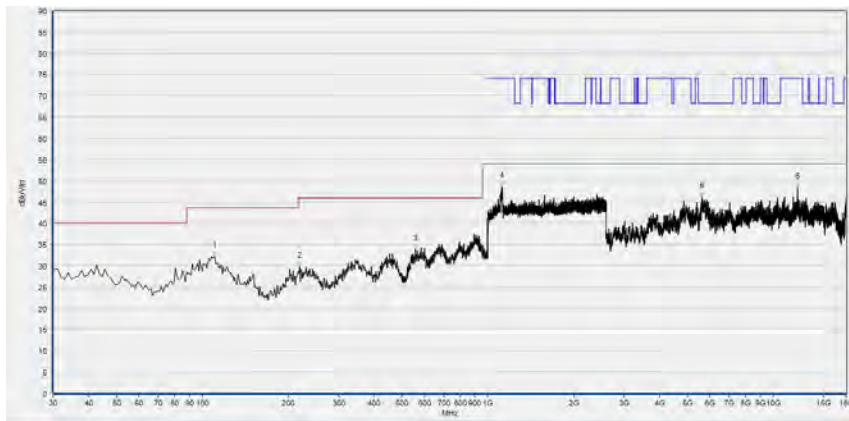
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
110.510	32.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
231.760	30.40	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
692.510	36.11	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1121.600	48.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5760.080	47.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12135.680	46.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

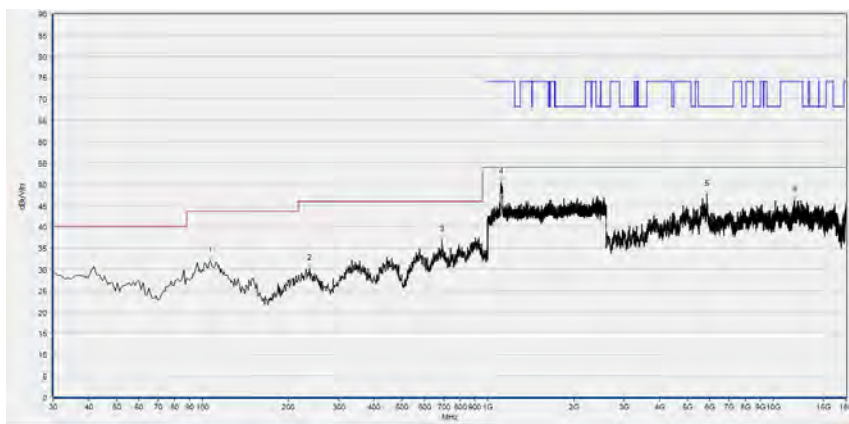
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	32.15	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
219.150	29.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
558.650	33.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1119.467	48.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5630.720	46.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12141.840	48.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

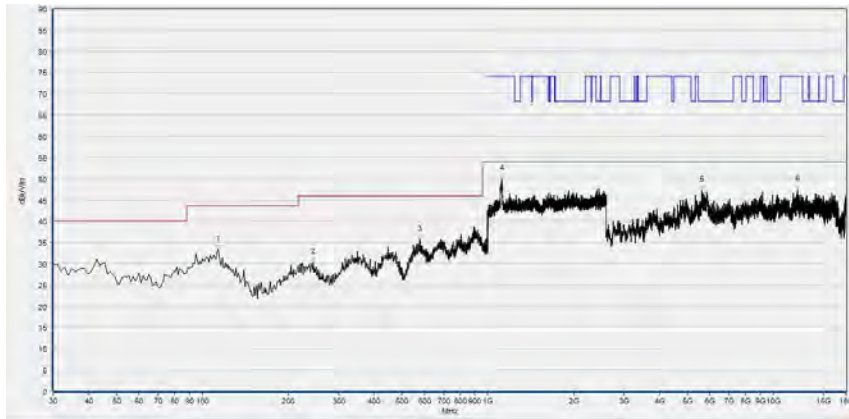
(Antenna Horizontal, 30MHz to 18GHz)



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	32.09	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
237.580	30.22	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
691.540	36.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1110.400	50.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5861.720	47.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11904.680	46.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

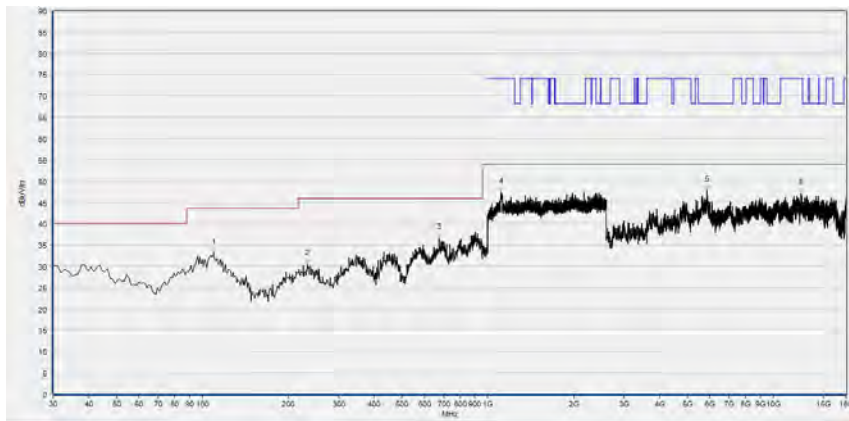
(Antenna Vertical, 30MHz to 18GHz)

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
113.420	33.42	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
244.370	30.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
577.080	35.67	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1117.867	49.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5630.720	47.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12163.400	47.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

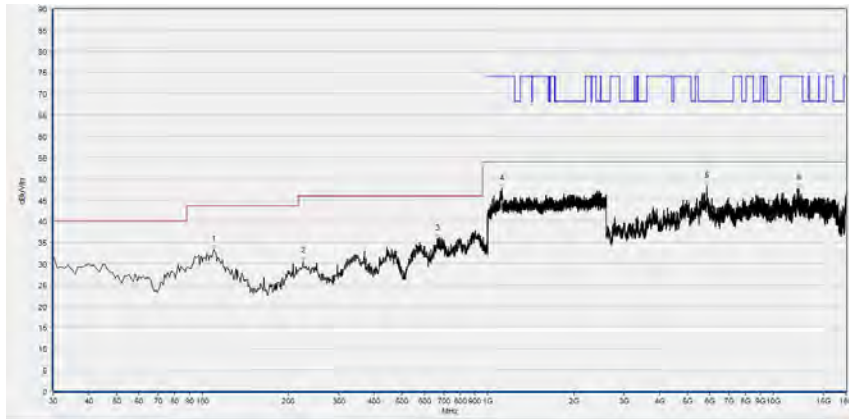
(Antenna Horizontal, 30MHz to 18GHz)



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	33.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
233.700	30.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
675.050	36.75	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1112.533	47.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5864.800	47.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12514.520	47.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

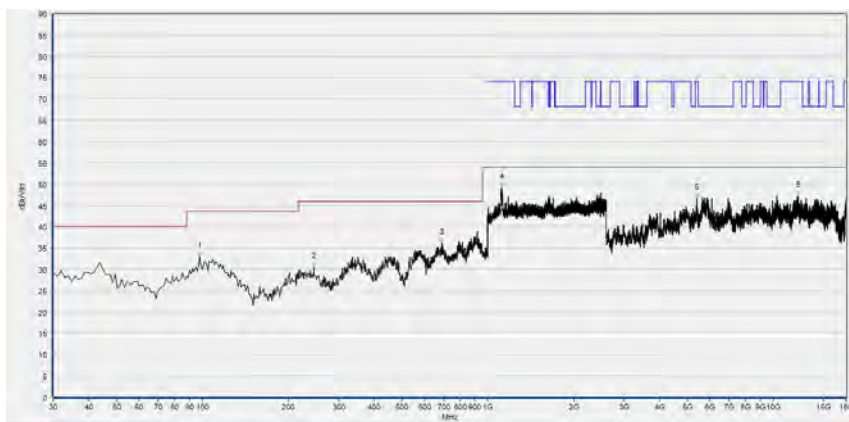
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 126



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
109.540	33.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
224.970	30.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
664.380	35.87	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1121.067	47.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5849.400	48.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12283.520	47.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

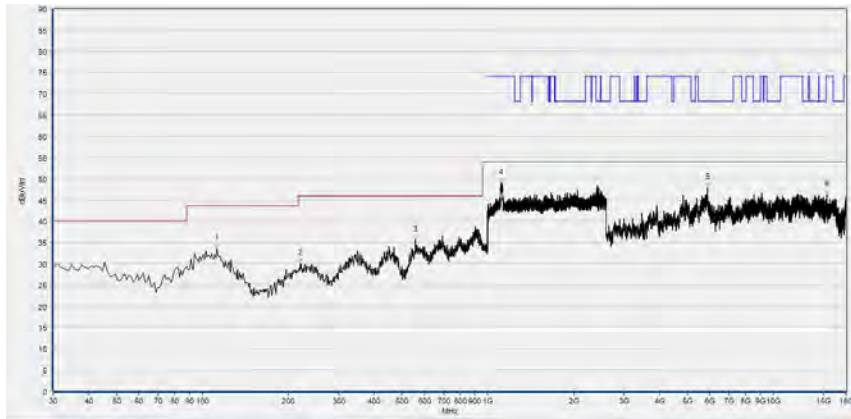
(Antenna Horizontal, 30MHz to 18GHz)



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
97.900	33.07	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
245.340	30.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
691.540	36.13	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1116.267	49.33	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5402.800	46.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12225.000	47.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

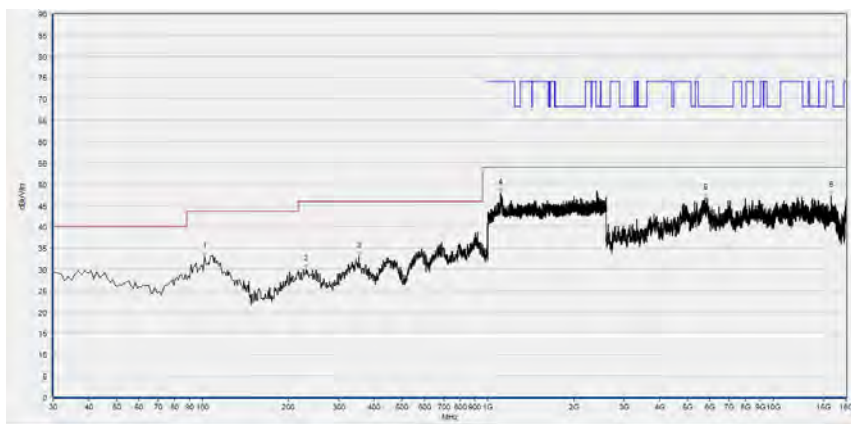
(Antenna Vertical, 30MHz to 18GHz)

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
112.450	33.55	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
220.120	30.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
557.680	35.46	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1110.933	48.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5867.880	47.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
15443.600	46.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

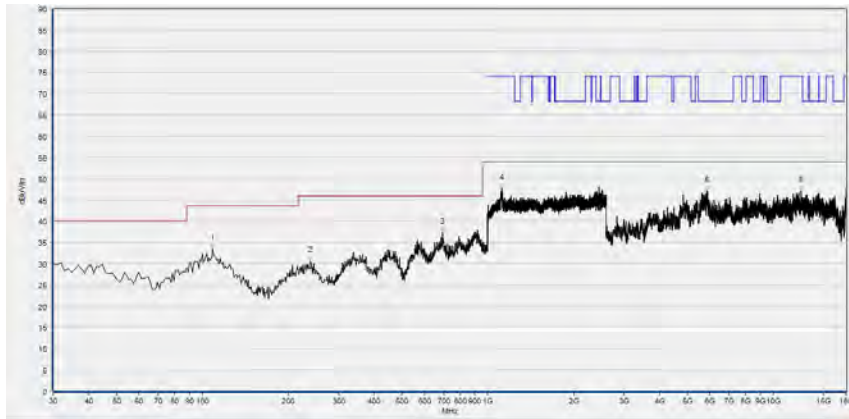
(Antenna Horizontal, 30MHz to 18GHz)



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
101.780	33.06	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
230.790	29.98	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
353.010	32.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1109.333	48.01	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5769.320	46.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
15964.120	47.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

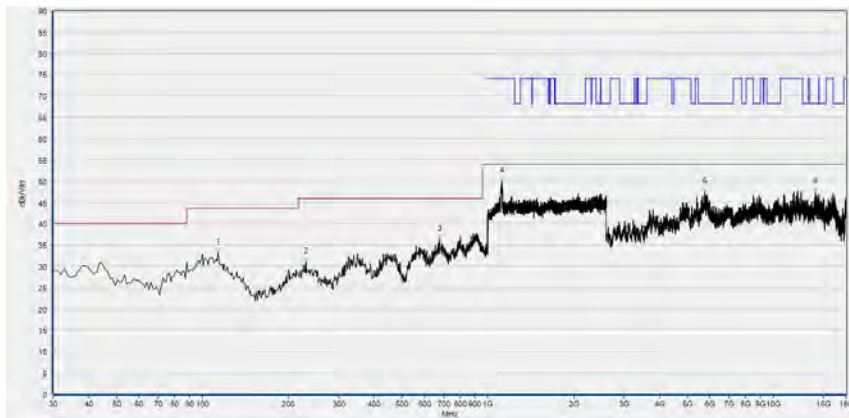
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	33.59	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
239.520	30.64	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
695.420	37.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1118.933	47.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5855.560	47.17	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12508.360	47.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

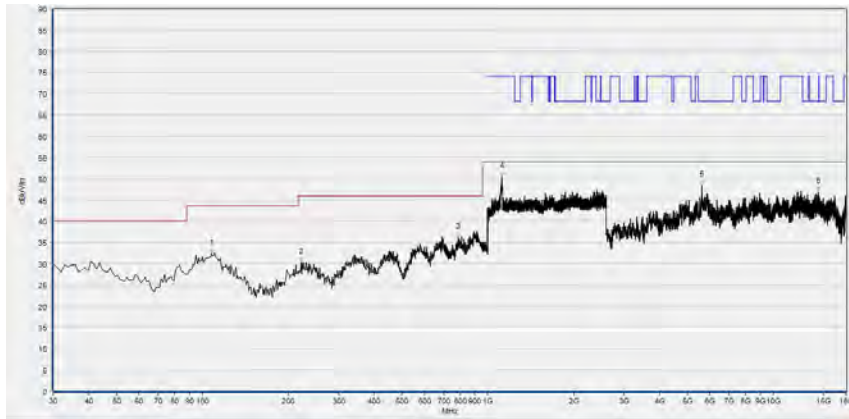
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
113.420	33.35	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
230.790	30.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
676.990	36.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1116.800	49.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5744.680	47.45	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14060.680	47.50	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

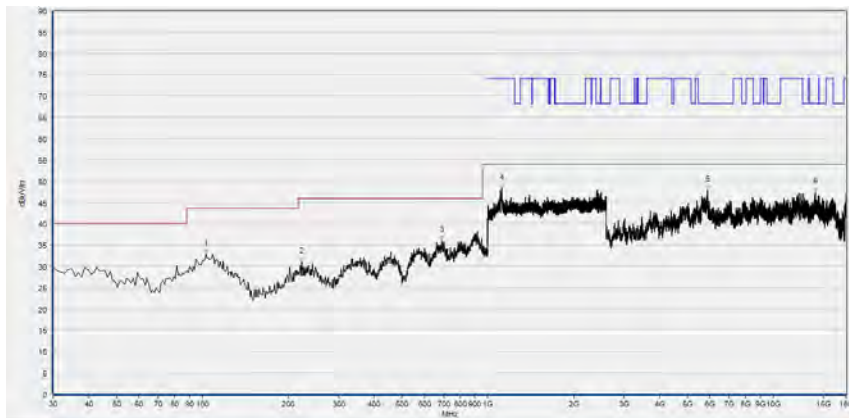
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	32.28	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
222.060	30.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
786.600	36.22	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1120.000	50.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5621.480	48.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14411.800	47.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



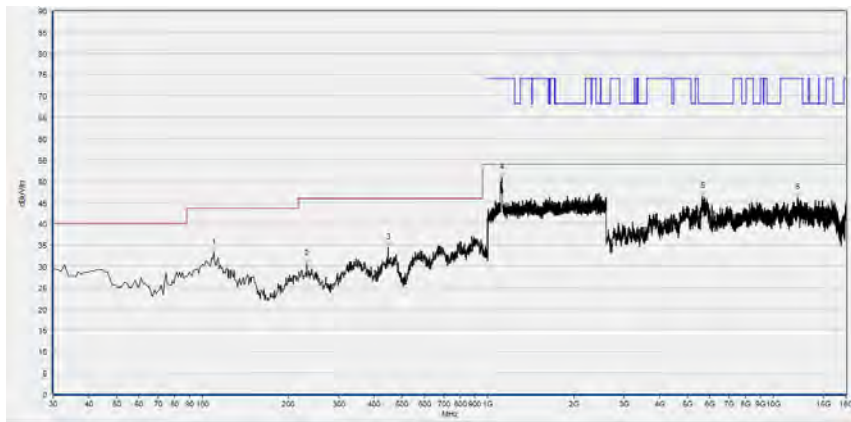
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
102.750	32.93	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
223.030	30.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
689.600	36.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1117.333	48.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5874.040	47.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14073.000	47.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



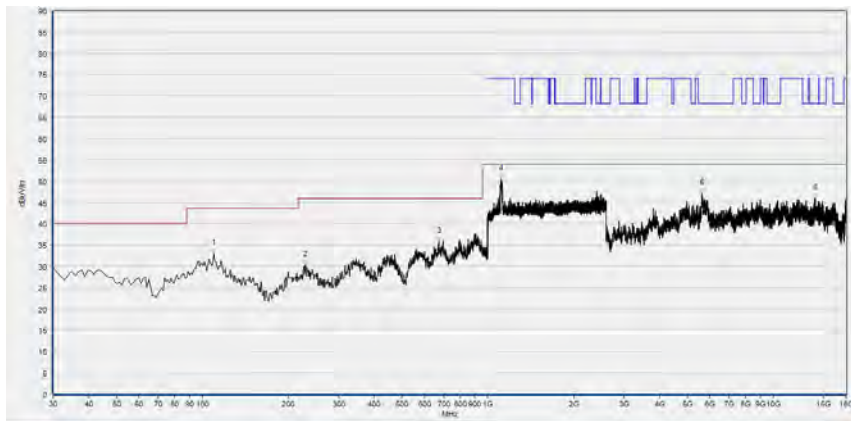
802.11ac (VHT80) Mode

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
109.540	33.23	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
232.730	30.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
447.100	34.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1117.867	50.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5655.360	46.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12151.080	46.14	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

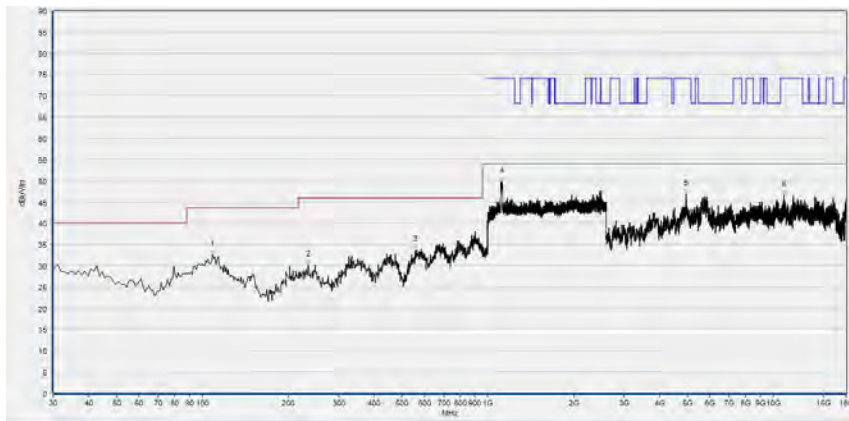
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.96	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.850	30.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
673.110	35.86	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1114.133	50.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5627.640	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14011.400	45.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

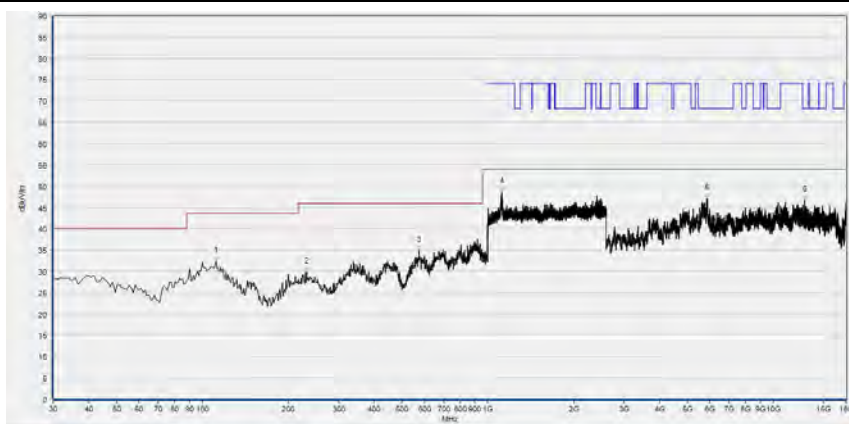
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 58



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
108.570	32.44	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
234.670	30.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
556.710	33.64	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1117.333	49.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4959.280	46.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10928.320	46.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

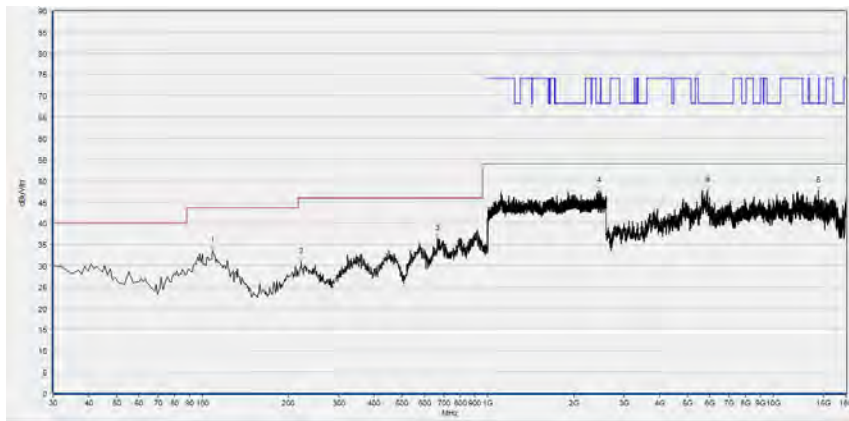
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
111.480	32.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
231.760	29.77	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
575.140	34.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1117.867	48.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5855.560	47.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12893.360	46.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

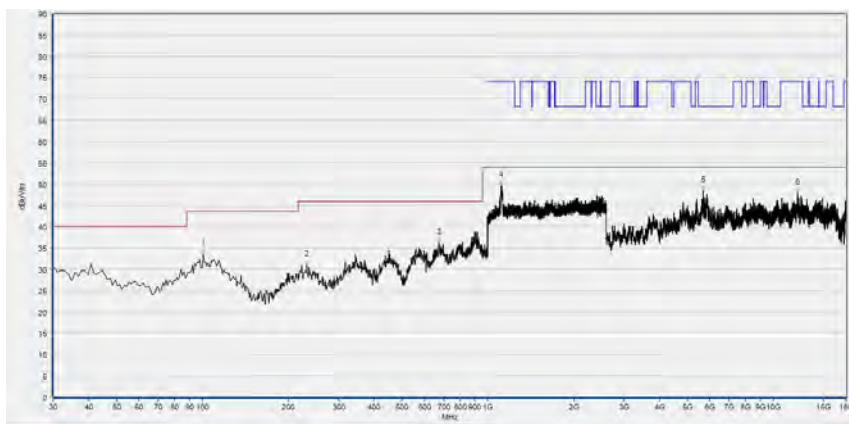
(Antenna Vertical, 30MHz to 18GHz)

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	33.44	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
222.060	30.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
665.350	36.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.600	47.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5874.040	47.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14414.880	47.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

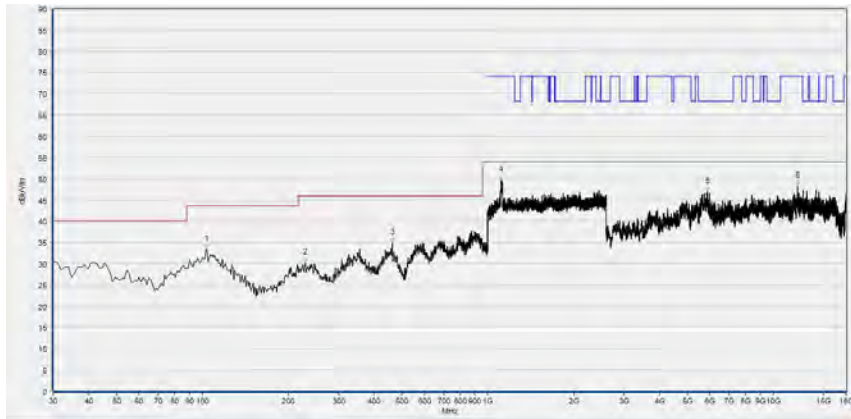
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.810	33.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
232.730	31.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
672.140	36.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1112.533	49.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5670.760	48.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12144.920	48.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

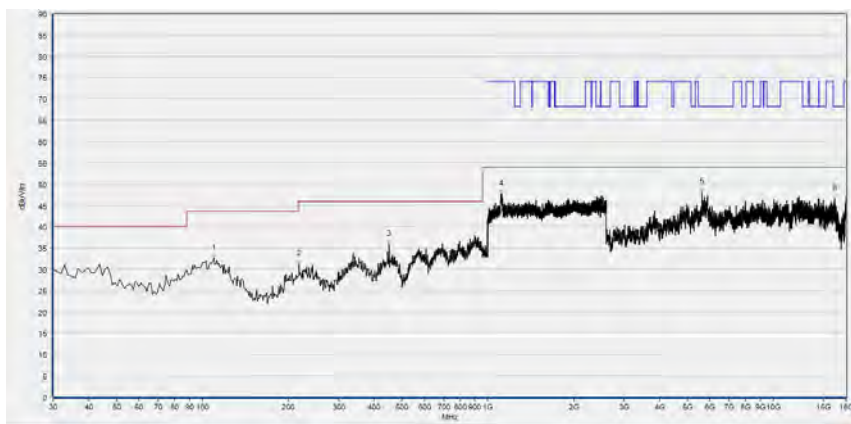
(Antenna Vertical, 30MHz to 18GHz)

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
103.720	33.33	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
229.820	30.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
462.620	34.88	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1114.667	49.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5883.280	46.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12135.680	48.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

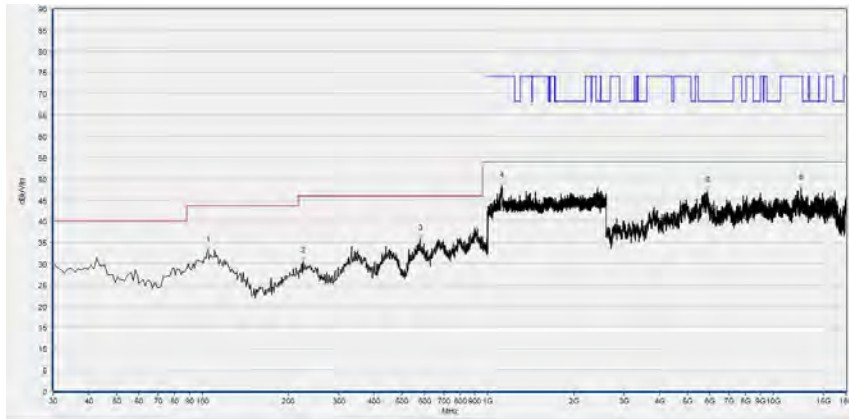
(Antenna Horizontal, 30MHz to 18GHz)



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	32.53	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
218.180	31.15	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
450.980	35.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1115.200	47.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5633.800	48.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16410.720	46.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

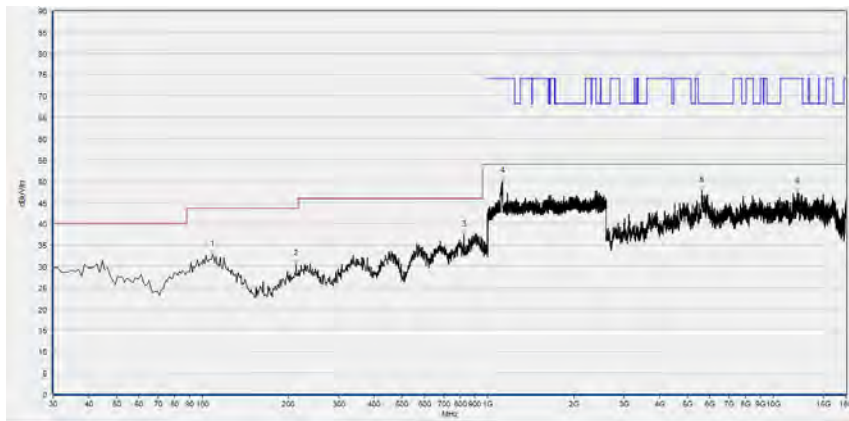
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	33.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
225.940	30.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
579.990	35.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1118.400	48.23	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5874.040	47.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12483.720	47.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

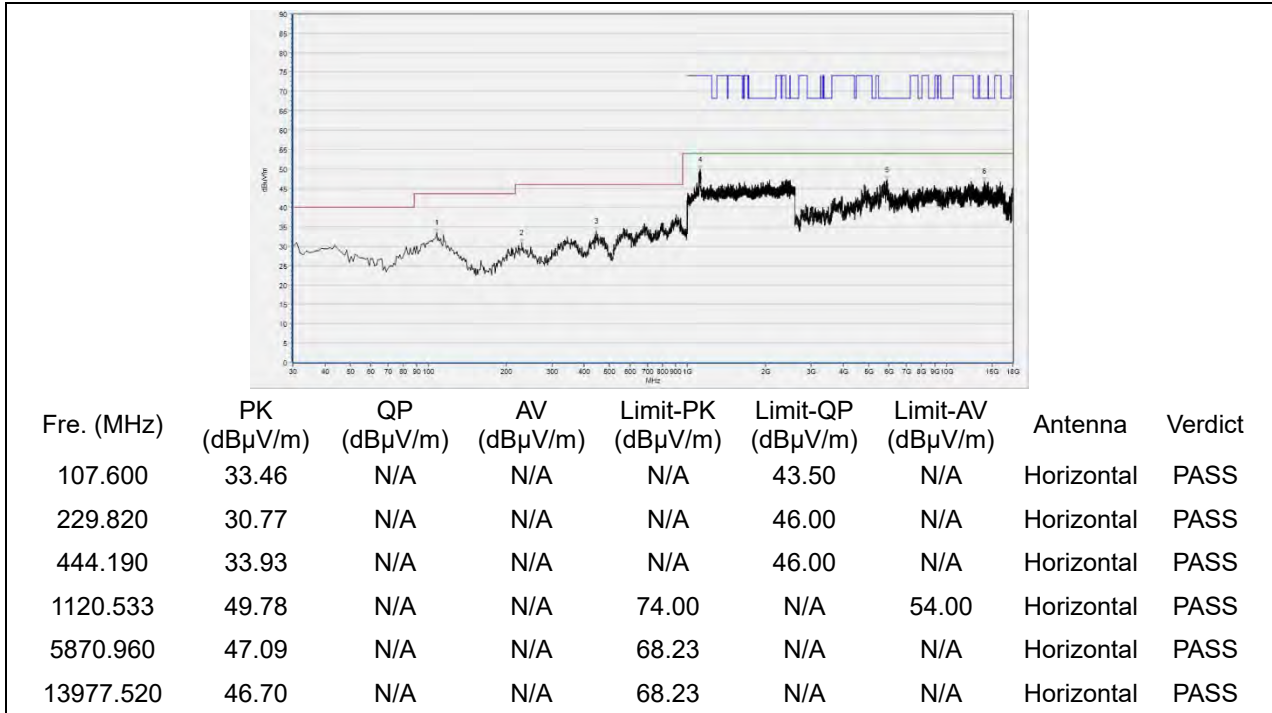
(Antenna Horizontal, 30MHz to 18GHz)



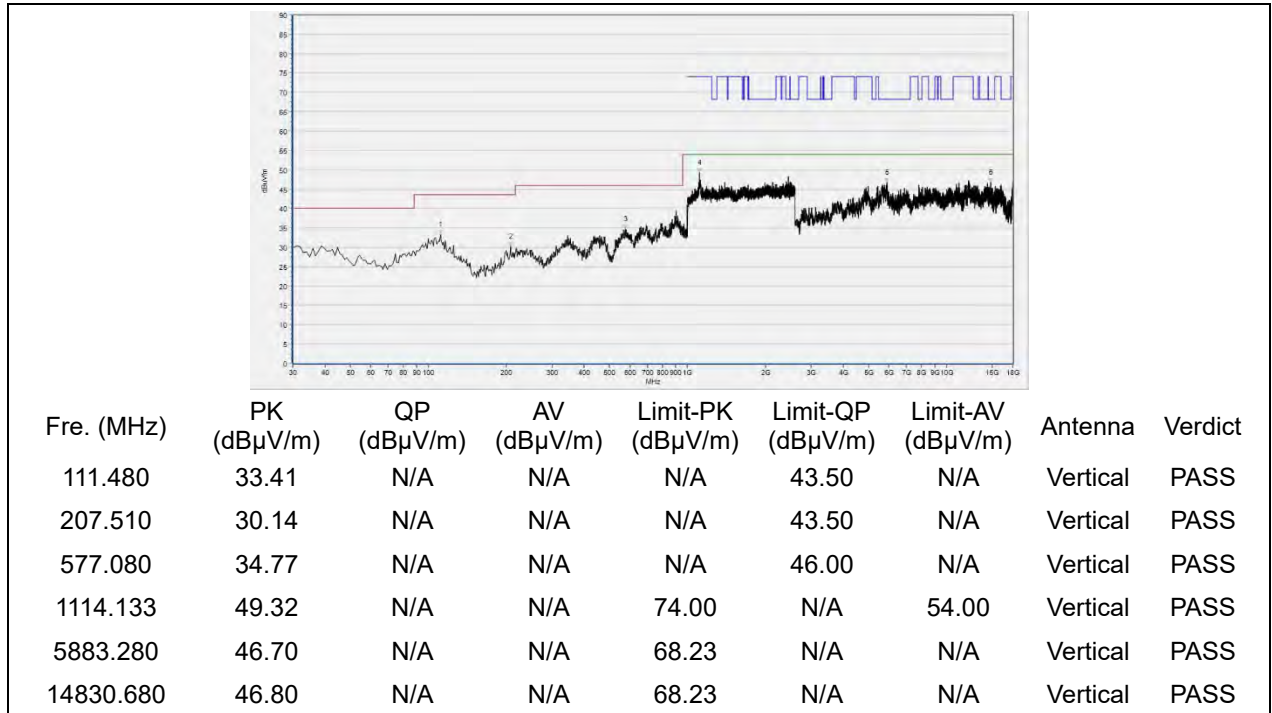
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
108.570	32.64	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
213.330	30.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
824.430	37.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1123.200	50.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5630.720	47.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12132.600	47.38	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