



REPORT No.: SZ24060311W03

NVNT	n40	5755	Ant1	-3.9	0.24	-3.66	30	Pass
NVNT	n40	5795	Ant1	-3.84	0.24	-3.6	30	Pass
NVNT	ac20	5180	Ant1	1.76	0.17	1.93	11	Pass
NVNT	ac20	5220	Ant1	1.75	0.19	1.94	11	Pass
NVNT	ac20	5240	Ant1	1.56	0.17	1.73	11	Pass
NVNT	ac20	5260	Ant1	1.39	0.12	1.51	11	Pass
NVNT	ac20	5300	Ant1	1.5	0.17	1.67	11	Pass
NVNT	ac20	5320	Ant1	1.54	0.17	1.71	11	Pass
NVNT	ac20	5500	Ant1	2.25	0.17	2.42	11	Pass
NVNT	ac20	5580	Ant1	2.13	0.17	2.3	11	Pass
NVNT	ac20	5720	Ant1	1.37	0.19	1.56	11	Pass
NVNT	ac20	5745	Ant1	-0.77	0.17	-0.6	30	Pass
NVNT	ac20	5785	Ant1	-1	0.17	-0.83	30	Pass
NVNT	ac20	5825	Ant1	-1.29	0.17	-1.12	30	Pass
NVNT	ac40	5190	Ant1	-0.76	0.14	-0.62	11	Pass
NVNT	ac40	5230	Ant1	-1.08	0.27	-0.81	11	Pass
NVNT	ac40	5270	Ant1	-1.2	0.34	-0.86	11	Pass
NVNT	ac40	5310	Ant1	-1.25	0.24	-1.01	11	Pass
NVNT	ac40	5510	Ant1	-0.53	0.24	-0.29	11	Pass
NVNT	ac40	5550	Ant1	-0.9	1.09	0.19	11	Pass
NVNT	ac40	5710	Ant1	-1.96	0.27	-1.69	11	Pass
NVNT	ac40	5755	Ant1	-3.7	0.24	-3.46	30	Pass
NVNT	ac40	5795	Ant1	-3.77	0.27	-3.5	30	Pass
NVNT	ax20	5180	Ant1	2.11	0.19	2.3	11	Pass
NVNT	ax20	5220	Ant1	2.03	0.12	2.15	11	Pass
NVNT	ax20	5240	Ant1	2.05	0.17	2.22	11	Pass
NVNT	ax20	5260	Ant1	1.87	0.12	1.99	11	Pass
NVNT	ax20	5300	Ant1	1.79	0.17	1.96	11	Pass
NVNT	ax20	5320	Ant1	1.94	0.19	2.13	11	Pass
NVNT	ax20	5500	Ant1	2.58	0.17	2.75	11	Pass
NVNT	ax20	5580	Ant1	2.2	0.17	2.37	11	Pass
NVNT	ax20	5720	Ant1	1.19	0.12	1.31	11	Pass
NVNT	ax20	5745	Ant1	-0.96	0.17	-0.79	30	Pass
NVNT	ax20	5785	Ant1	-0.98	0.17	-0.81	30	Pass
NVNT	ax20	5825	Ant1	-1.2	0.19	-1.01	30	Pass
NVNT	ax40	5190	Ant1	-0.84	1.3	0.46	11	Pass
NVNT	ax40	5230	Ant1	-1.02	0.42	-0.6	11	Pass
NVNT	ax40	5270	Ant1	-1.64	0.3	-1.34	11	Pass



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NVNT	ax40	5310	Ant1	-0.81	0.3	-0.51	11	Pass
NVNT	ax40	5510	Ant1	-0.61	1.3	0.69	11	Pass
NVNT	ax40	5550	Ant1	-1.01	0.3	-0.71	11	Pass
NVNT	ax40	5710	Ant1	-1.7	0.3	-1.4	11	Pass
NVNT	ax40	5755	Ant1	-3.61	0.41	-3.2	30	Pass
NVNT	ax40	5795	Ant1	-3.76	0.3	-3.46	30	Pass

Test Graphs

PSD NVNT a 5180MHz Ant1



PSD NVNT a 5220MHz Ant1



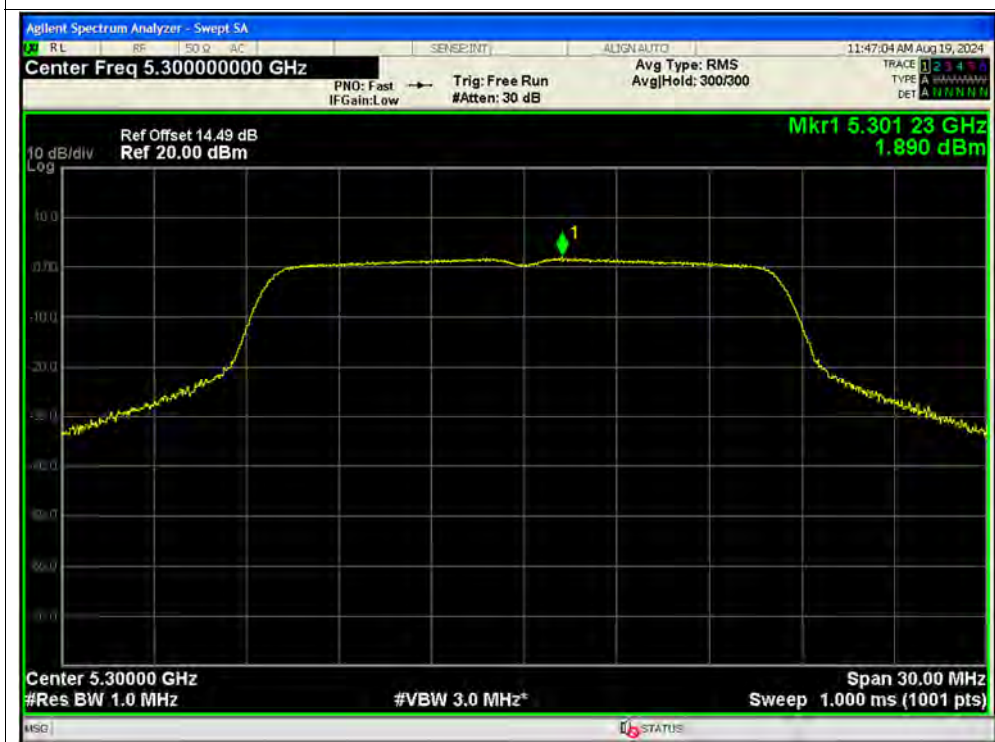
PSD NVNT a 5240MHz Ant1



PSD NVNT a 5260MHz Ant1



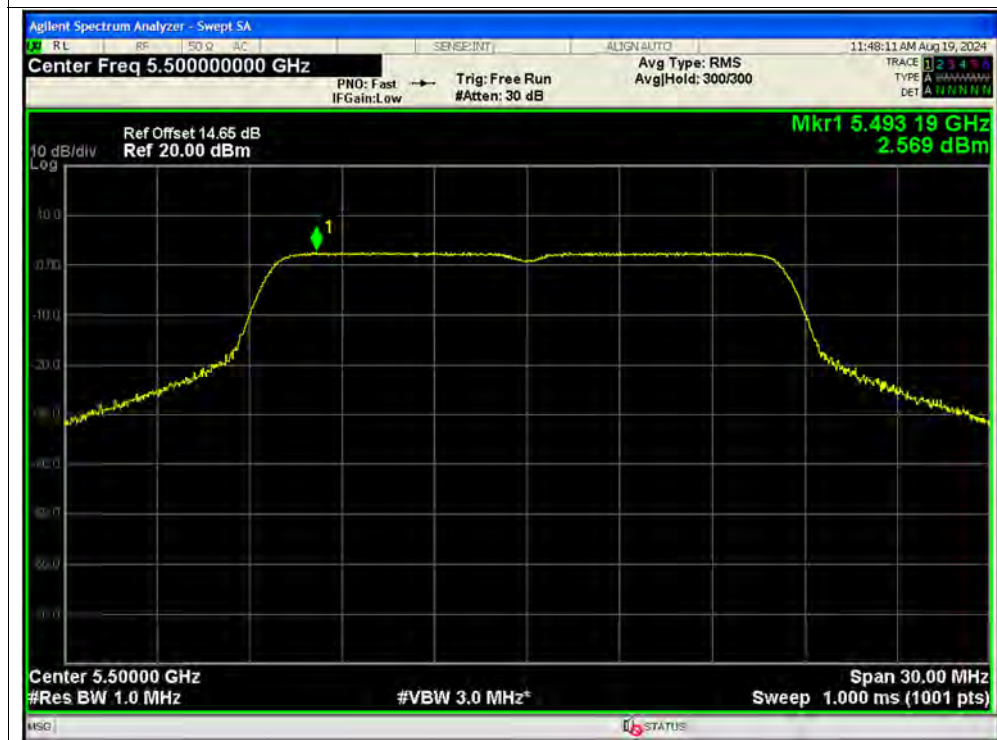
PSD NVNT a 5300MHz Ant1



PSD NVNT a 5320MHz Ant1



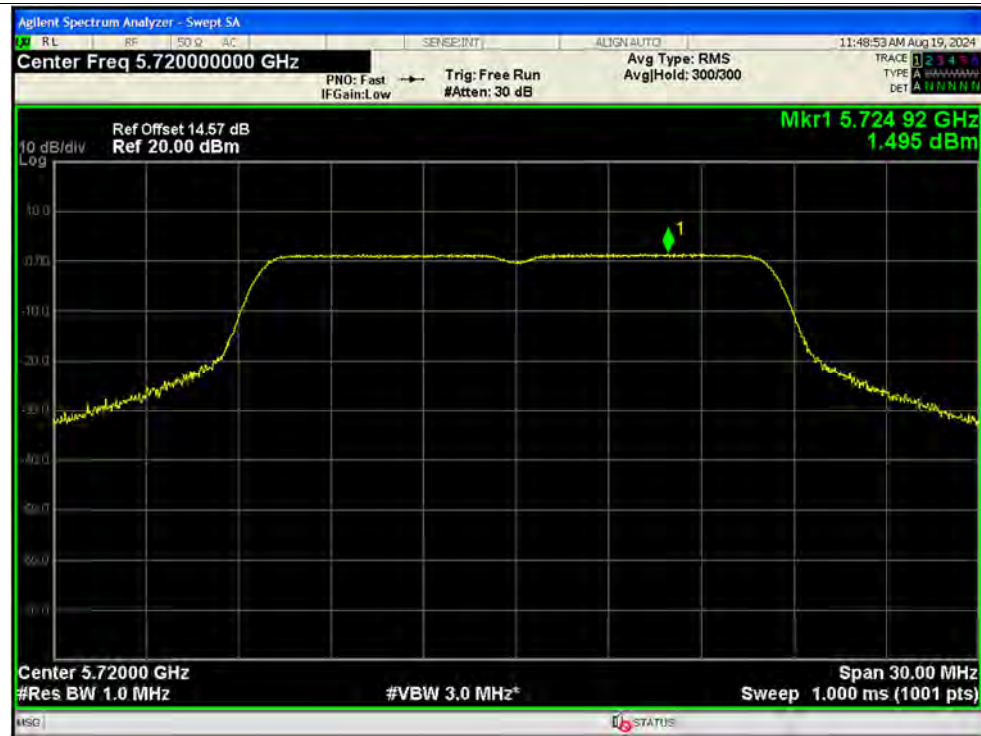
PSD NVNT a 5500MHz Ant1



PSD NVNT a 5580MHz Ant1



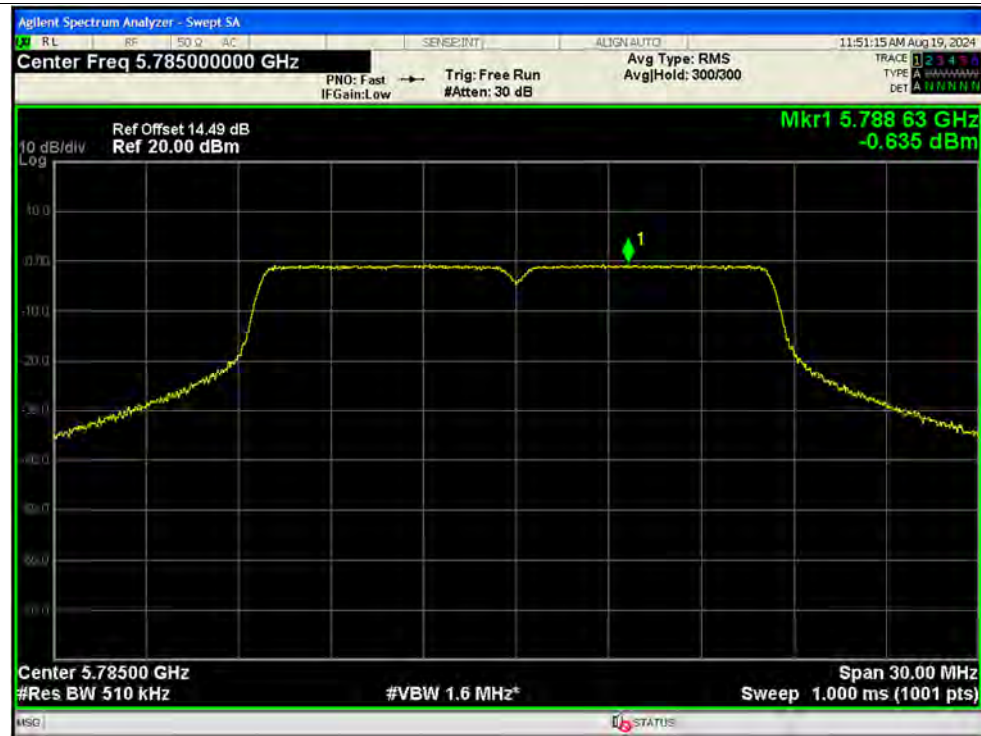
PSD NVNT a 5720MHz Ant1



PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1



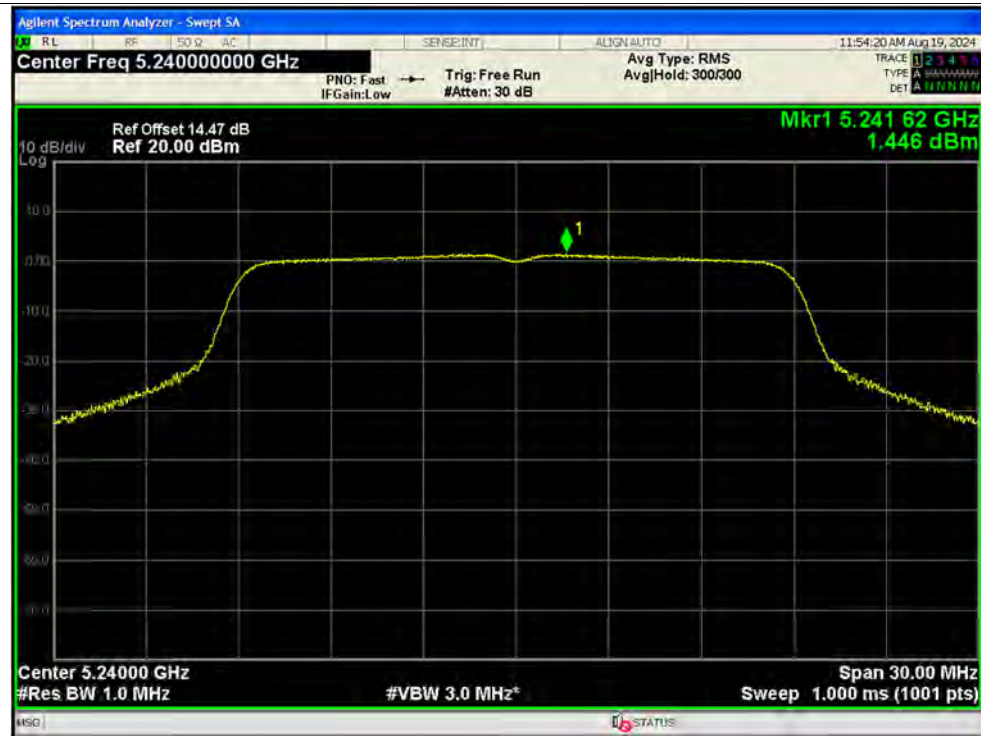
PSD NVNT n20 5180MHz Ant1



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 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



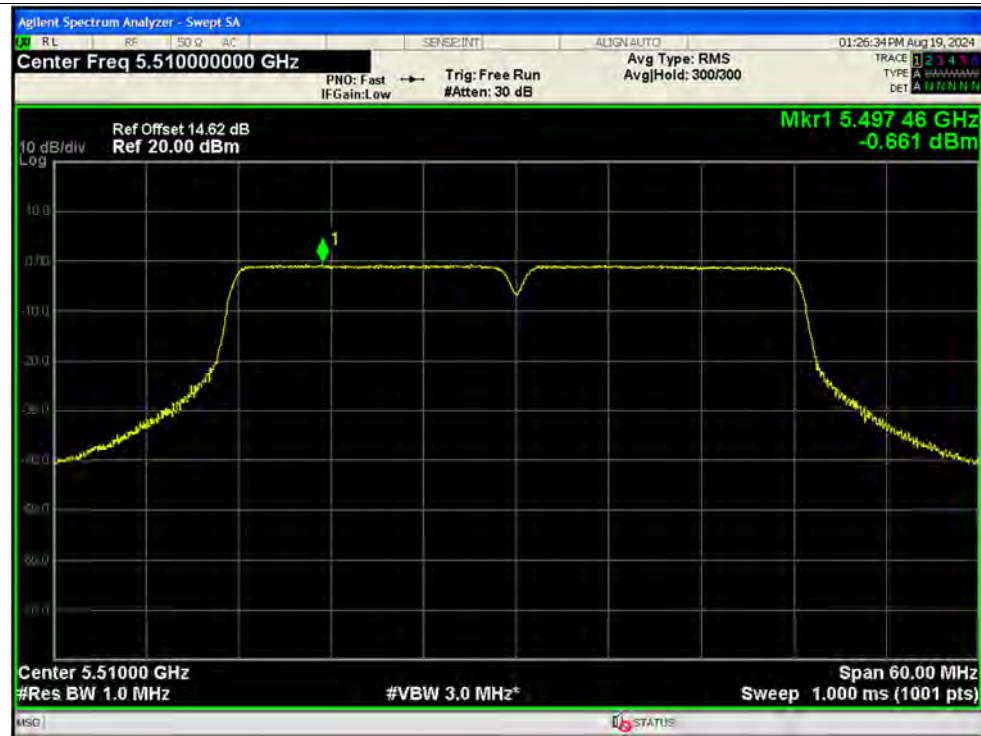
PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1



PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5550MHz Ant1



PSD NVNT n40 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



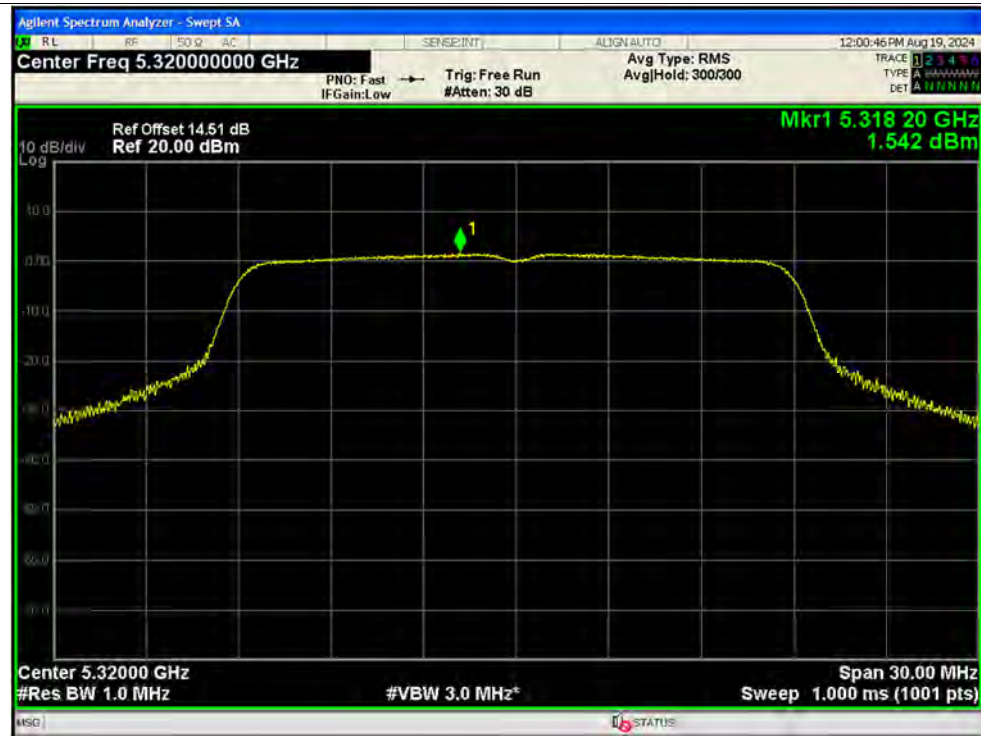
PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5300MHz Ant1



PSD NVNT ac20 5320MHz Ant1



PSD NVNT ac20 5500MHz Ant1



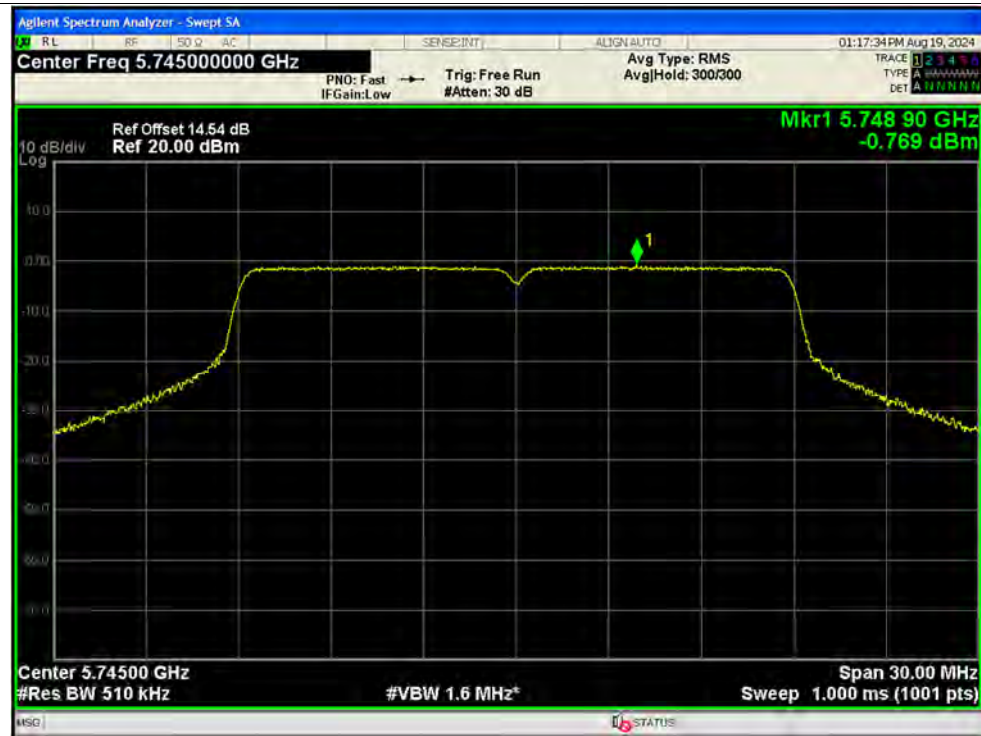
PSD NVNT ac20 5580MHz Ant1



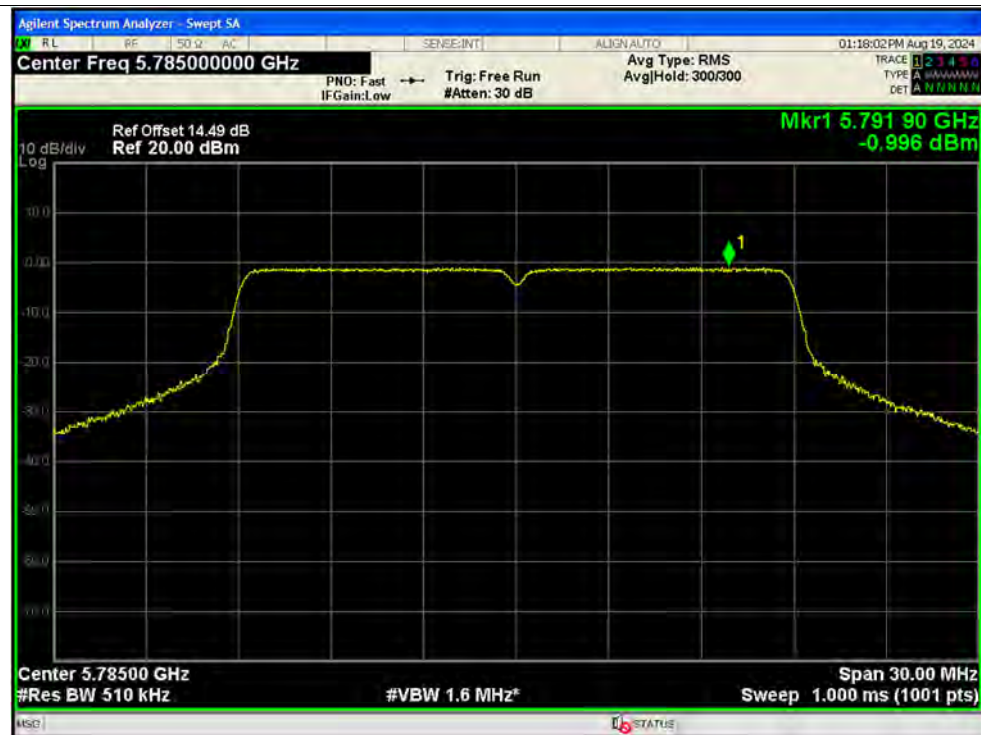
PSD NVNT ac20 5720MHz Ant1



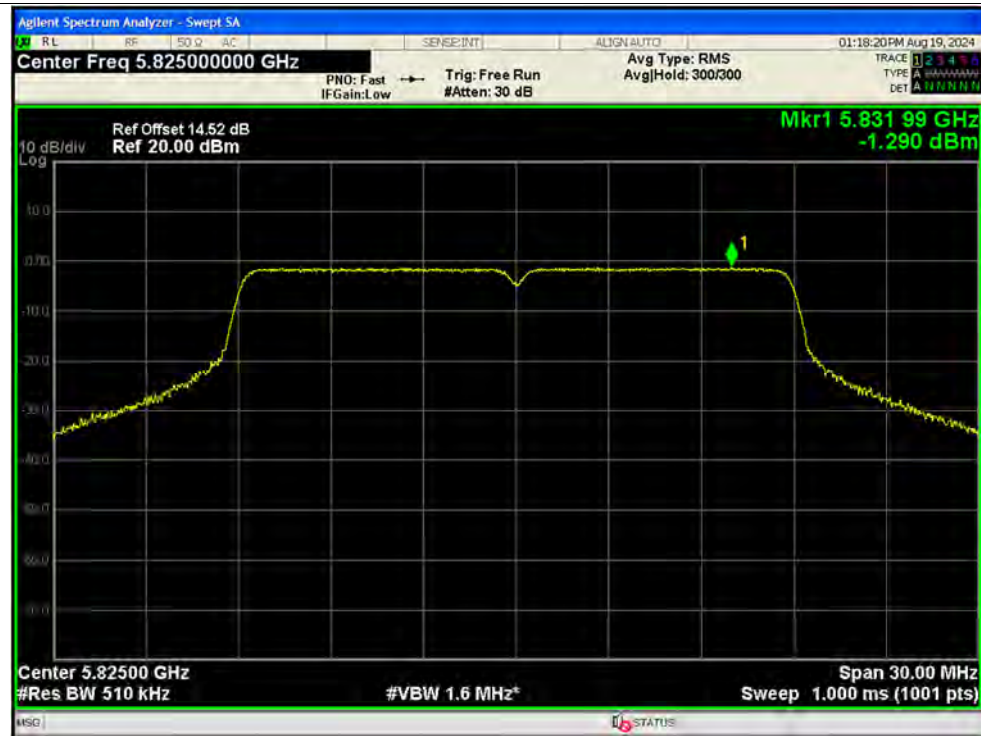
PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac40 5270MHz Ant1



PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac40 5510MHz Ant1



PSD NVNT ac40 5550MHz Ant1



PSD NVNT ac40 5710MHz Ant1



PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1





PSD NVNT ax20 5180MHz Ant1



PSD NVNT ax20 5220MHz Ant1



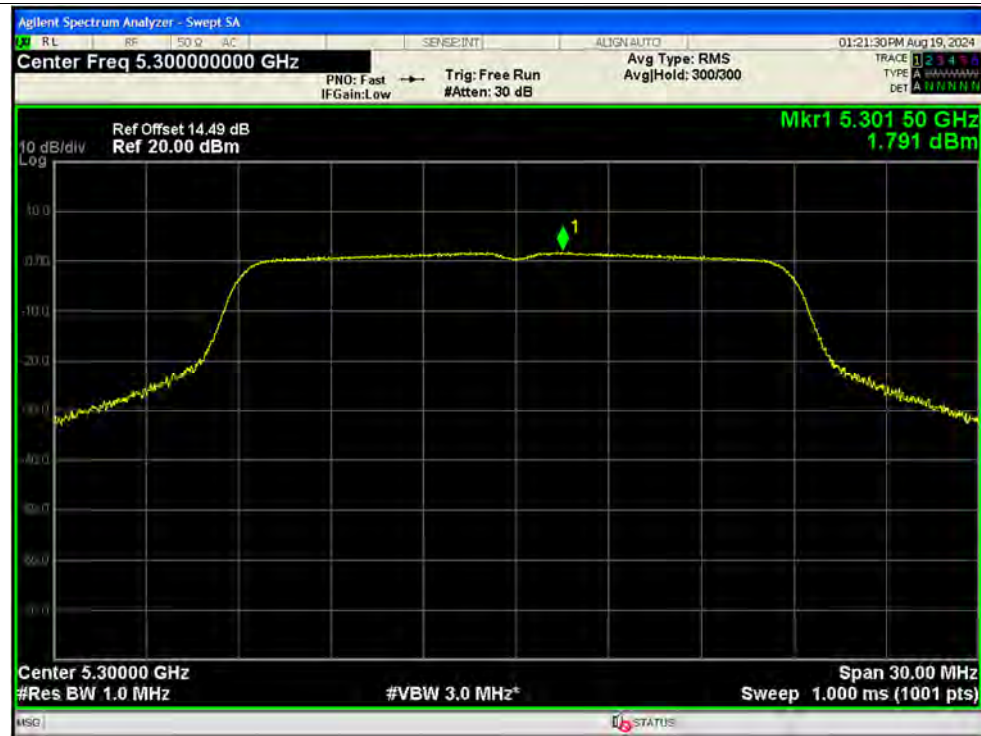
PSD NVNT ax20 5240MHz Ant1



PSD NVNT ax20 5260MHz Ant1



PSD NVNT ax20 5300MHz Ant1



PSD NVNT ax20 5320MHz Ant1



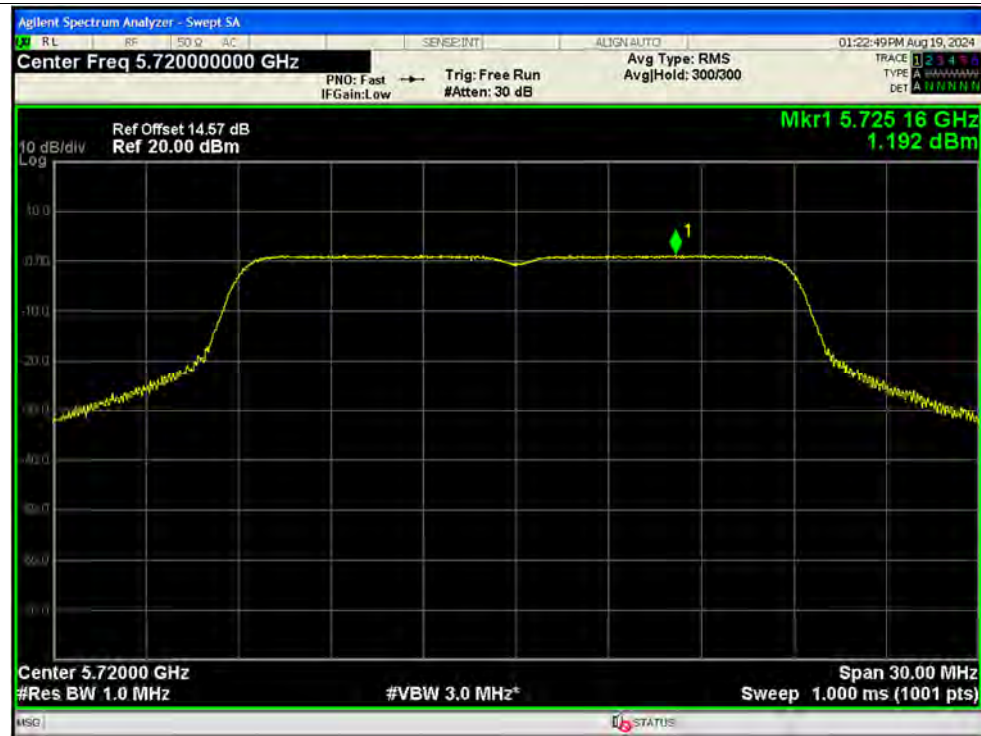
PSD NVNT ax20 5500MHz Ant1



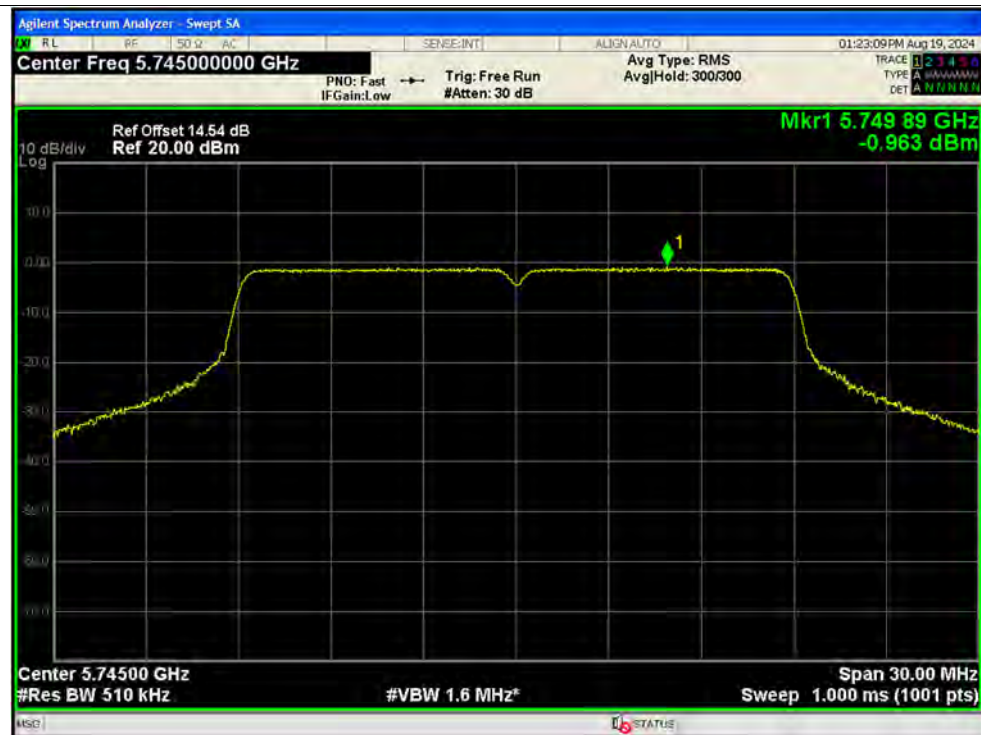
PSD NVNT ax20 5580MHz Ant1



PSD NVNT ax20 5720MHz Ant1



PSD NVNT ax20 5745MHz Ant1



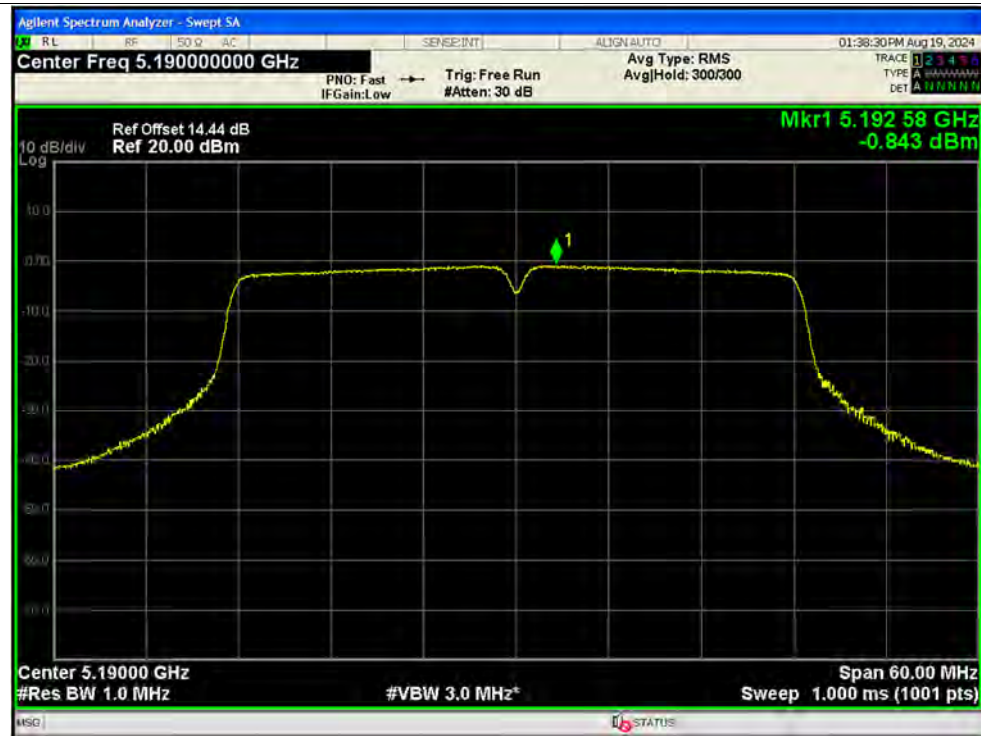
PSD NVNT ax20 5785MHz Ant1



PSD NVNT ax20 5825MHz Ant1



PSD NVNT ax40 5190MHz Ant1



PSD NVNT ax40 5230MHz Ant1



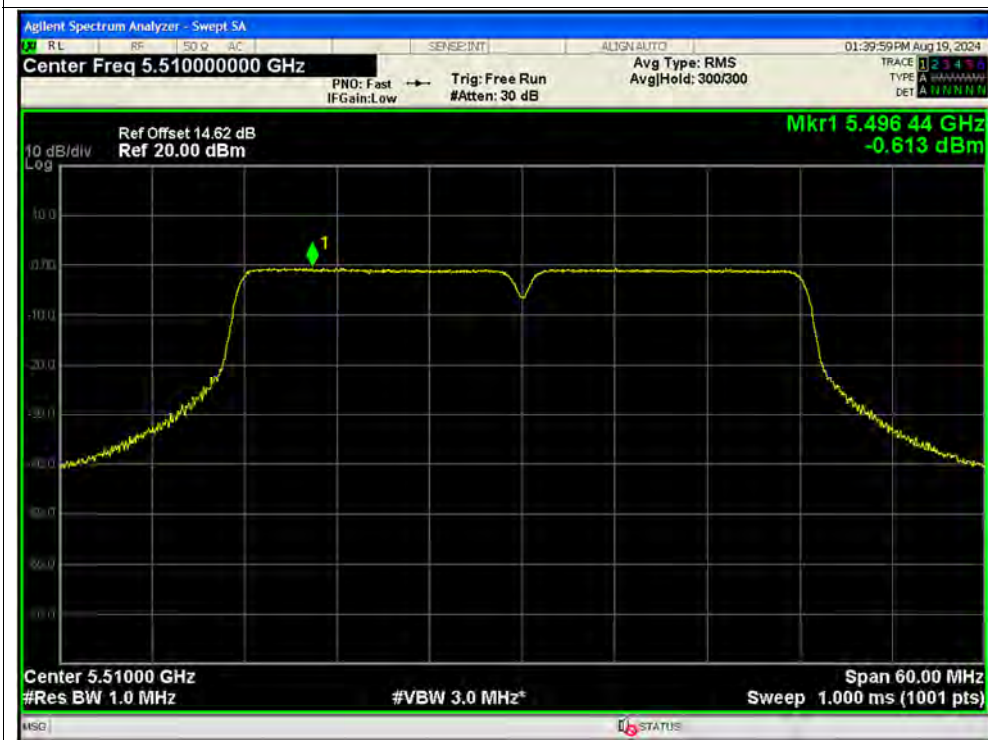
PSD NVNT ax40 5270MHz Ant1



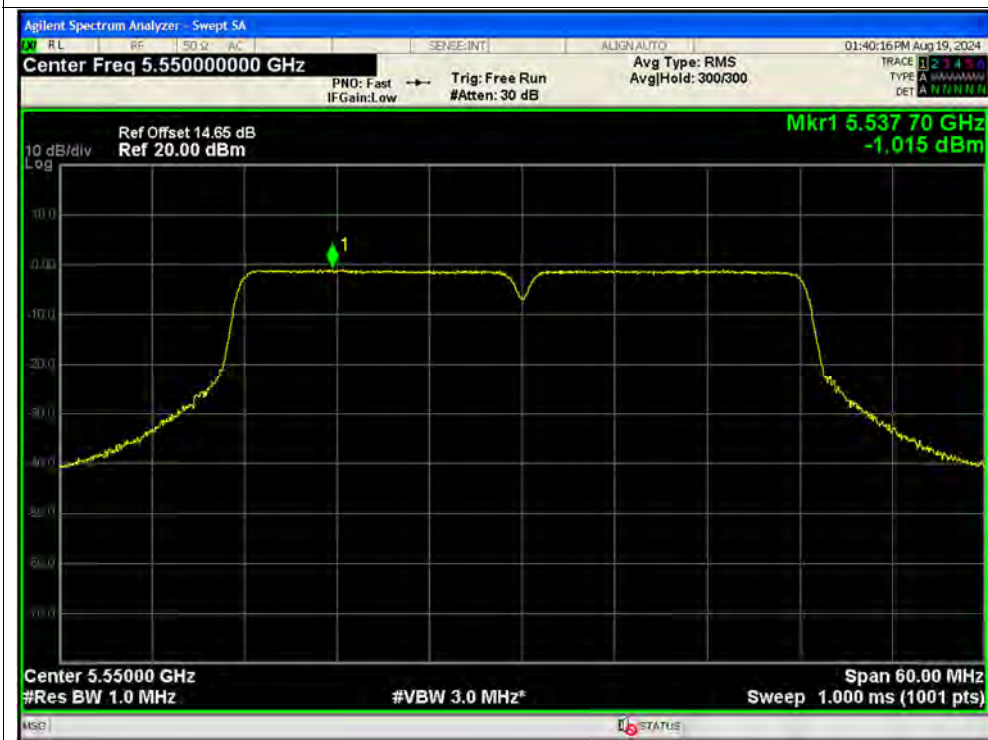
PSD NVNT ax40 5310MHz Ant1



PSD NVNT ax40 5510MHz Ant1



PSD NVNT ax40 5550MHz Ant1



PSD NVNT ax40 5710MHz Ant1



PSD NVNT ax40 5755MHz Ant1





PSD NVNT ax40 5795MHz Ant1



**A.5. Frequency Stability**

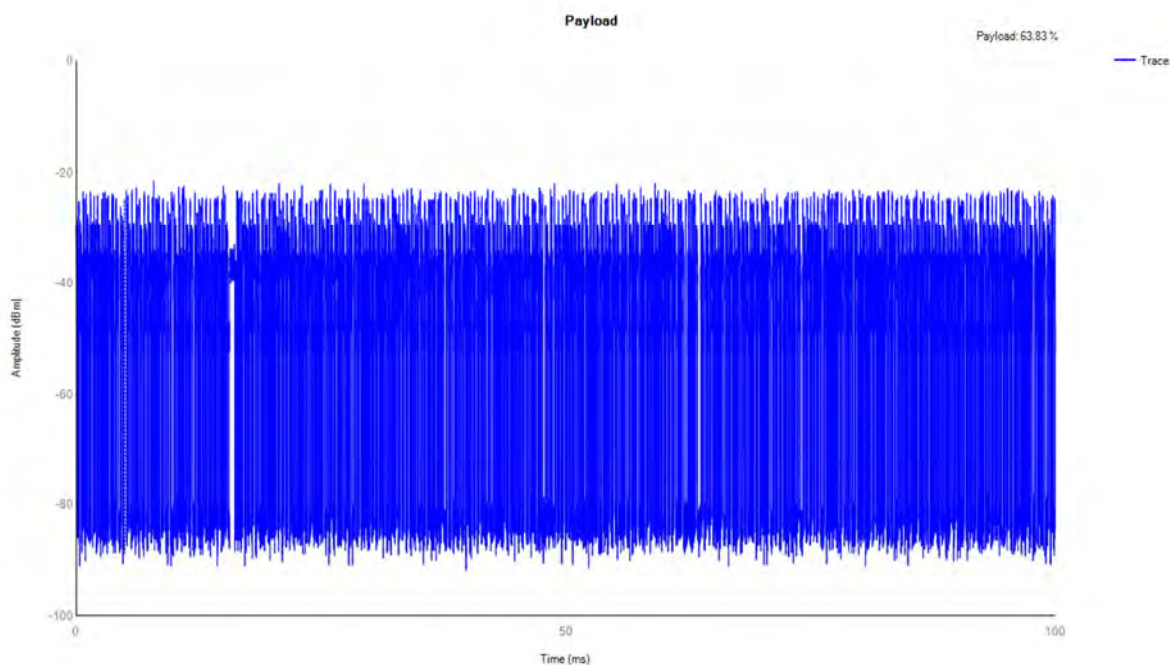
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 4.75V	CW	5180	Ant1	5180.018	18000	3.47	25	Pass
20C 5V	CW	5180	Ant1	5180.017	17000	3.28	25	Pass
20C 5.25V	CW	5180	Ant1	5180.017	17000	3.28	25	Pass
0C 5V	CW	5180	Ant1	5180.017	17000	3.28	25	Pass
10C 5V	CW	5180	Ant1	5180.017	17000	3.28	25	Pass
30C 5V	CW	5180	Ant1	5180.017	17000	3.28	25	Pass
40C 5V	CW	5180	Ant1	5180.017	17000	3.28	25	Pass
20C 4.75V	CW	5260	Ant1	5260.011	11000	2.09	25	Pass
20C 5V	CW	5260	Ant1	5260.011	11000	2.09	25	Pass
20C 5.25V	CW	5260	Ant1	5260.011	11000	2.09	25	Pass
0C 5V	CW	5260	Ant1	5260.011	11000	2.09	25	Pass
10C 5V	CW	5260	Ant1	5260.011	11000	2.09	25	Pass
30C 5V	CW	5260	Ant1	5260.011	11000	2.09	25	Pass
40C 5V	CW	5260	Ant1	5260.011	11000	2.09	25	Pass
20C 4.75V	CW	5500	Ant1	5500.017	17000	3.09	25	Pass
20C 5V	CW	5500	Ant1	5500.016	16000	2.91	25	Pass
20C 5.25V	CW	5500	Ant1	5500.016	16000	2.91	25	Pass
0C 5V	CW	5500	Ant1	5500.016	16000	2.91	25	Pass
10C 5V	CW	5500	Ant1	5500.016	16000	2.91	25	Pass
30C 5V	CW	5500	Ant1	5500.016	16000	2.91	25	Pass
40C 5V	CW	5500	Ant1	5500.016	16000	2.91	25	Pass
20C 4.75V	CW	5745	Ant1	5745.017	17000	2.96	25	Pass
20C 5V	CW	5745	Ant1	5745.016	16000	2.79	25	Pass
20C 5.25V	CW	5745	Ant1	5745.017	17000	2.96	25	Pass
0C 5V	CW	5745	Ant1	5745.017	17000	2.96	25	Pass
10C 5V	CW	5745	Ant1	5745.017	17000	2.96	25	Pass
30C 5V	CW	5745	Ant1	5745.017	17000	2.96	25	Pass
40C 5V	CW	5745	Ant1	5745.017	17000	2.96	25	Pass

**A.6. Dynamic Frequency Selection****Payload**

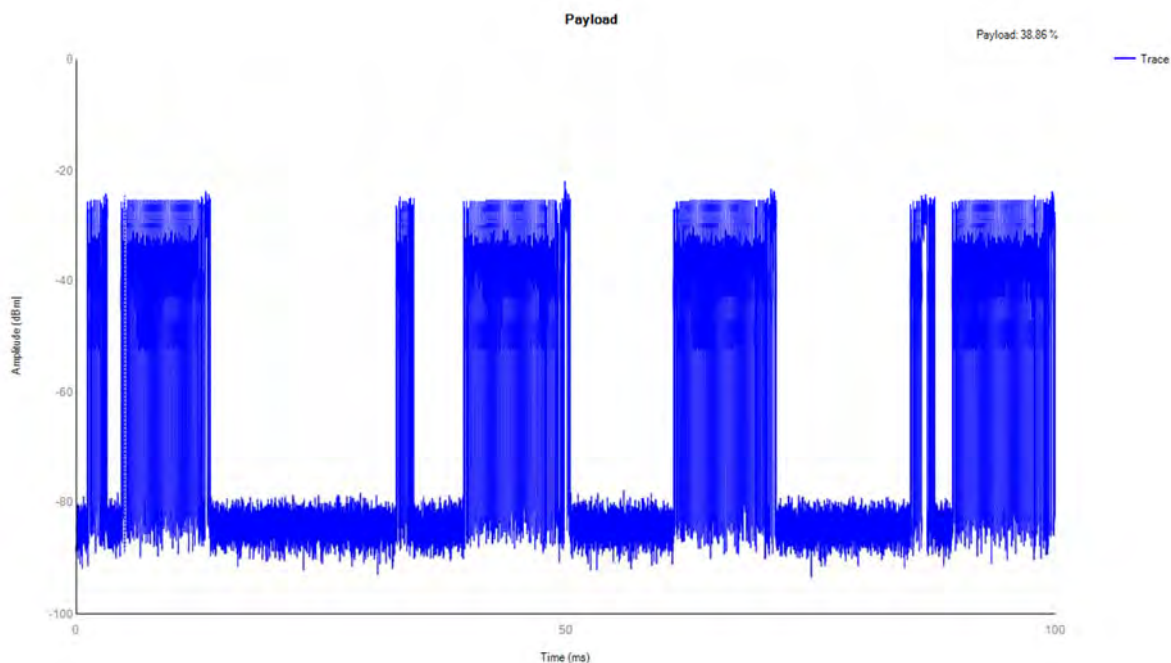
Mode	Frequency (MHz)	Result	Verdict	SISO
ax20	5260	63.83	Pass	SISO
ax20	5500	38.86	Pass	SISO
ax40	5270	43.6	Pass	SISO
ax40	5510	44.24	Pass	SISO

Test Graphs

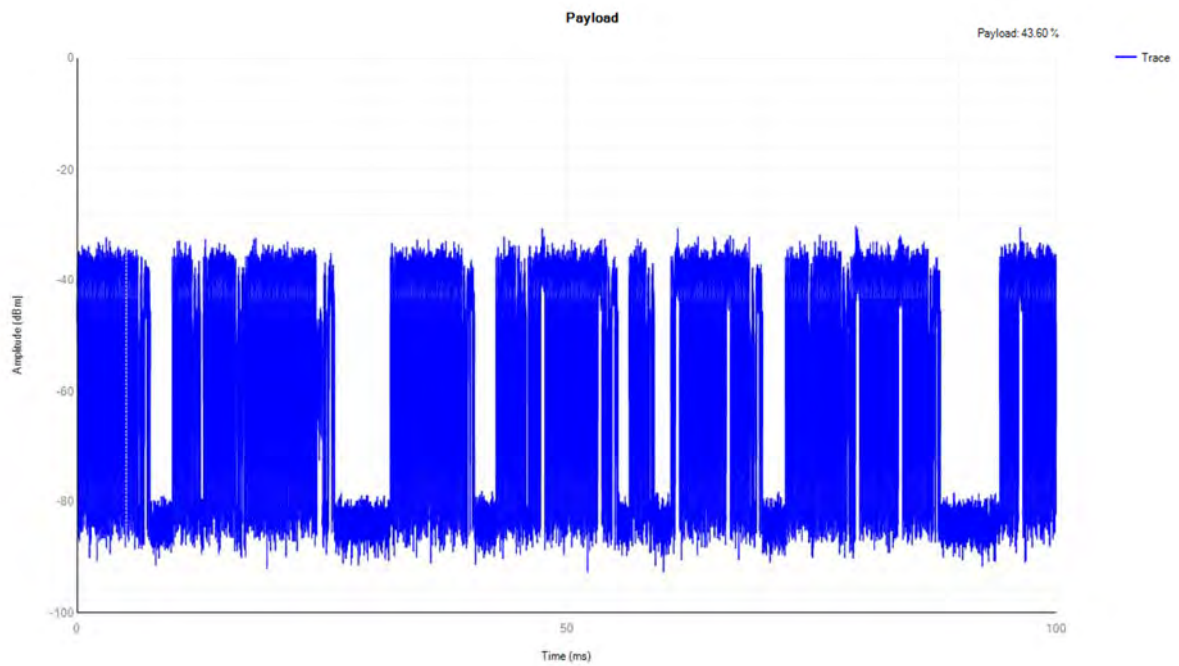
ax20 5320MHz Payload



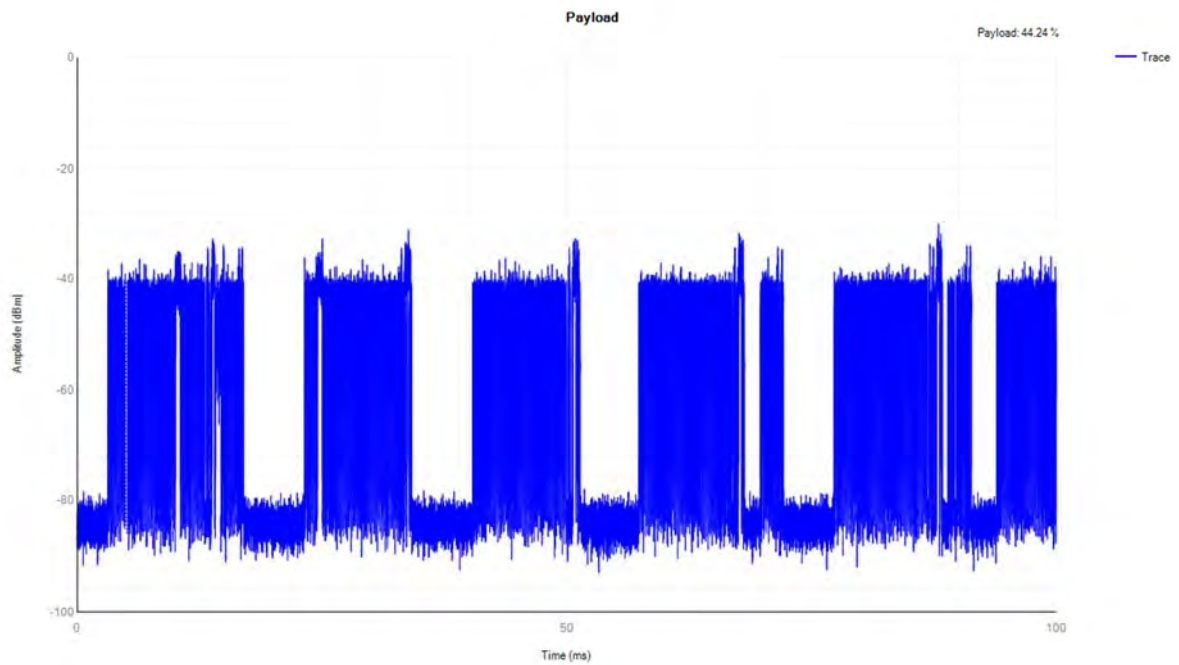
ax20 5500MHz Payload



ax40 5310MHz Payload



ax40 5510MHz Payload



**Detection Thresholds**

Mode	Frequency (MHz)	Type	Result	Verdict	SISO
ax20	5320	DFS_FCC_T0	See test Graph	Pass	SISO
ax20	5500	DFS_FCC_T0	See test Graph	Pass	SISO
ax40	5310	DFS_FCC_T0	See test Graph	Pass	SISO
ax40	5510	DFS_FCC_T0	See test Graph	Pass	SISO

Spectrum analyzer settings:

Span: Zero

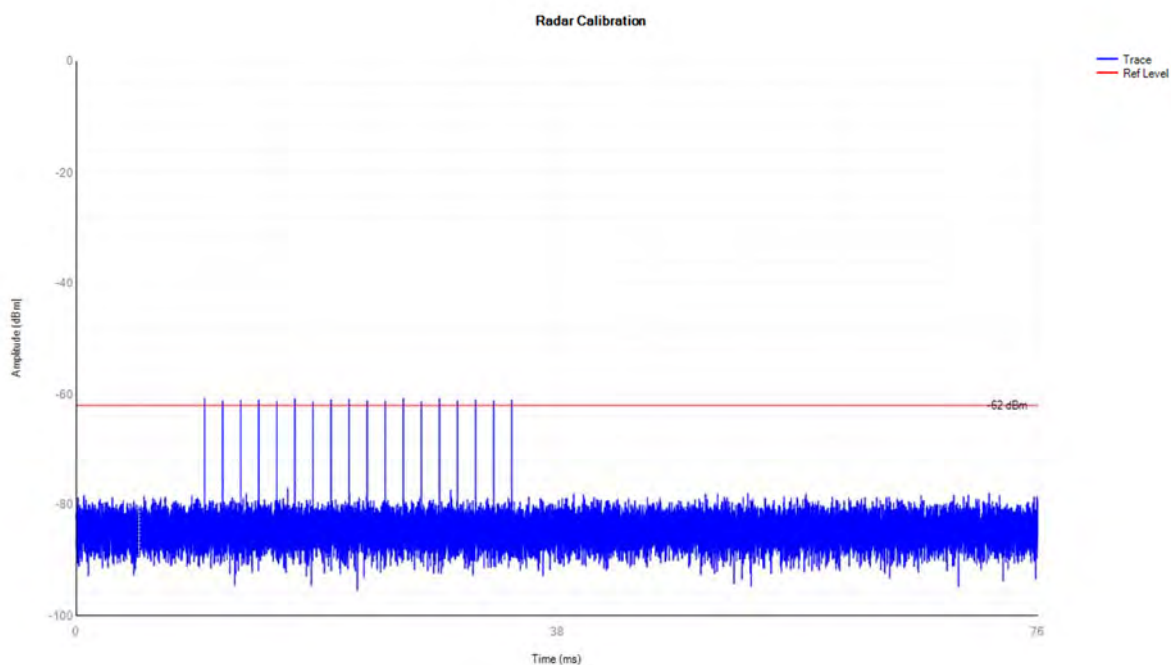
Detector Type: Peak

RBW: 3MHz

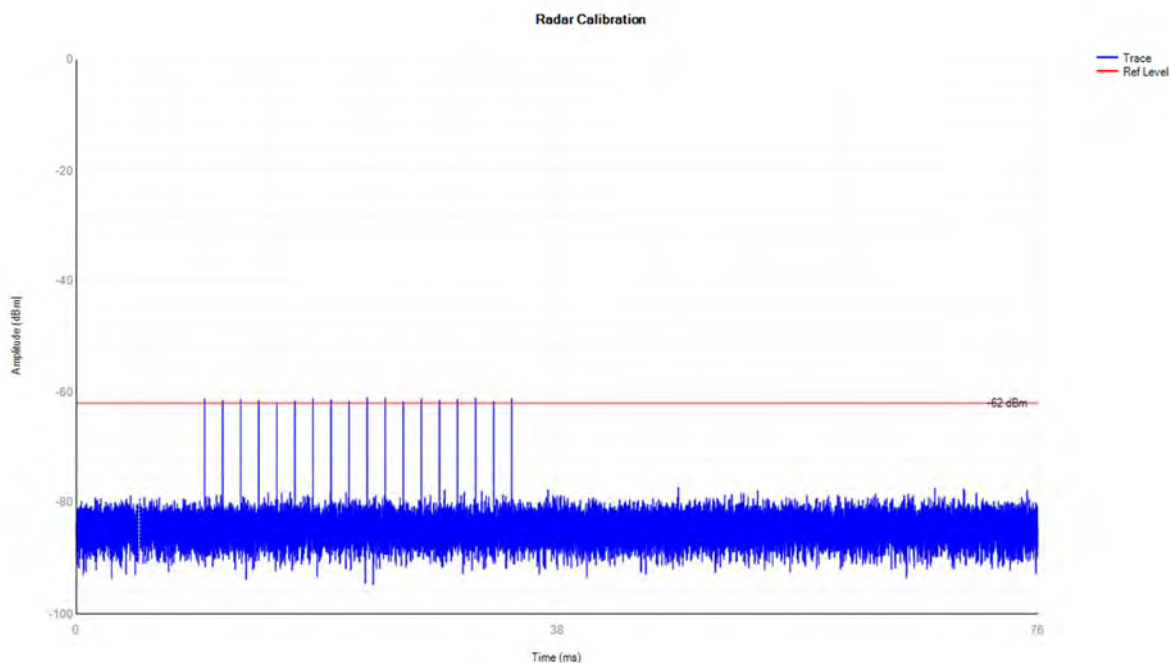
VBW: 3MHz

Test Graphs

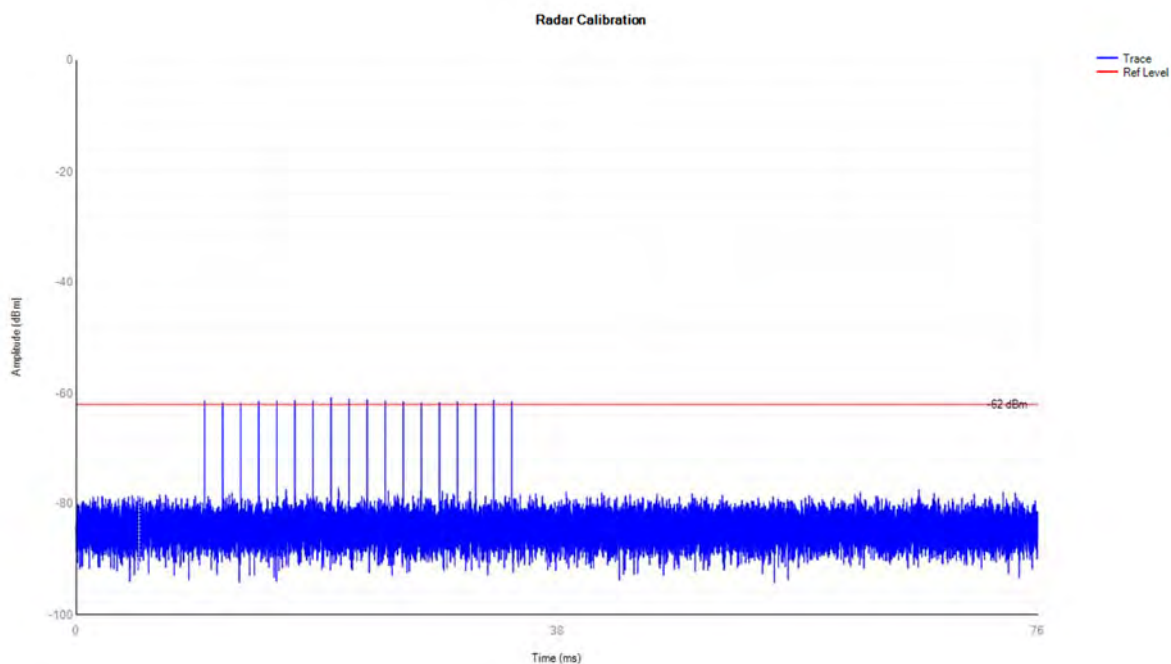
5320MHz DFS_FCC_T0



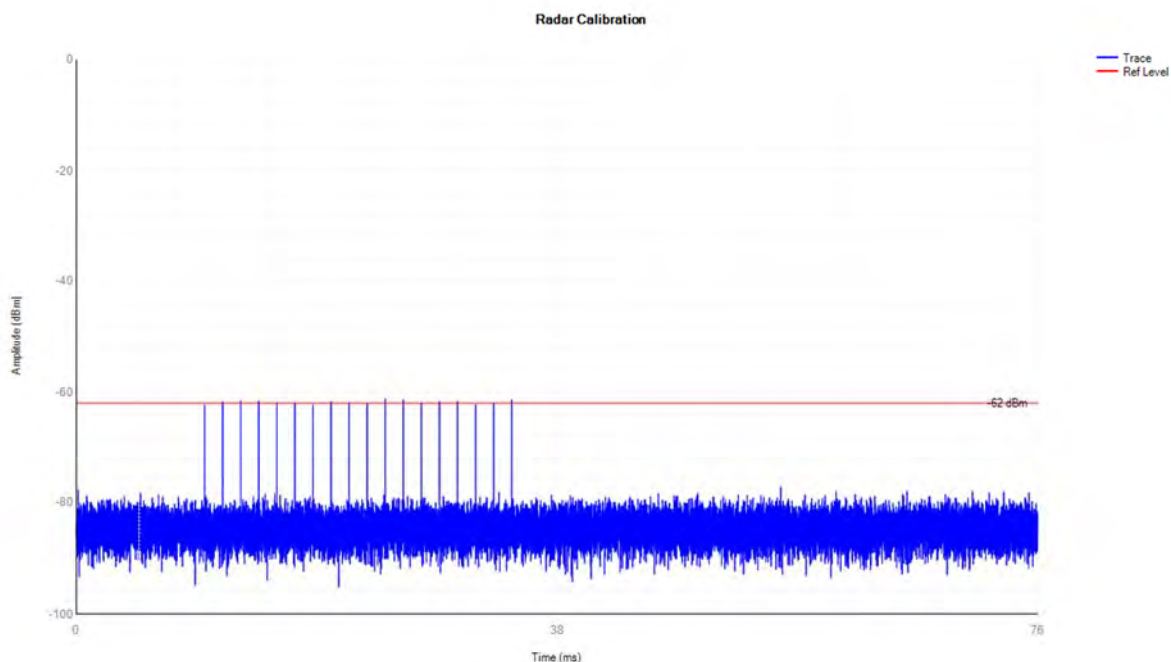
5500MHz DFS_FCC_T0



5310MHz DFS_FCC_T0



5510MHz 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
ax20	5320	0.874	10	0.041	0.26	0.01	0.06	Pass
ax20	5500	0.796	10	0.025	0.26	0.009	0.06	Pass
ax40	5310	0.829	10	0.048	0.26	0.01	0.06	Pass
ax40	5510	0.906	10	0.043	0.26	0.01	0.06	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

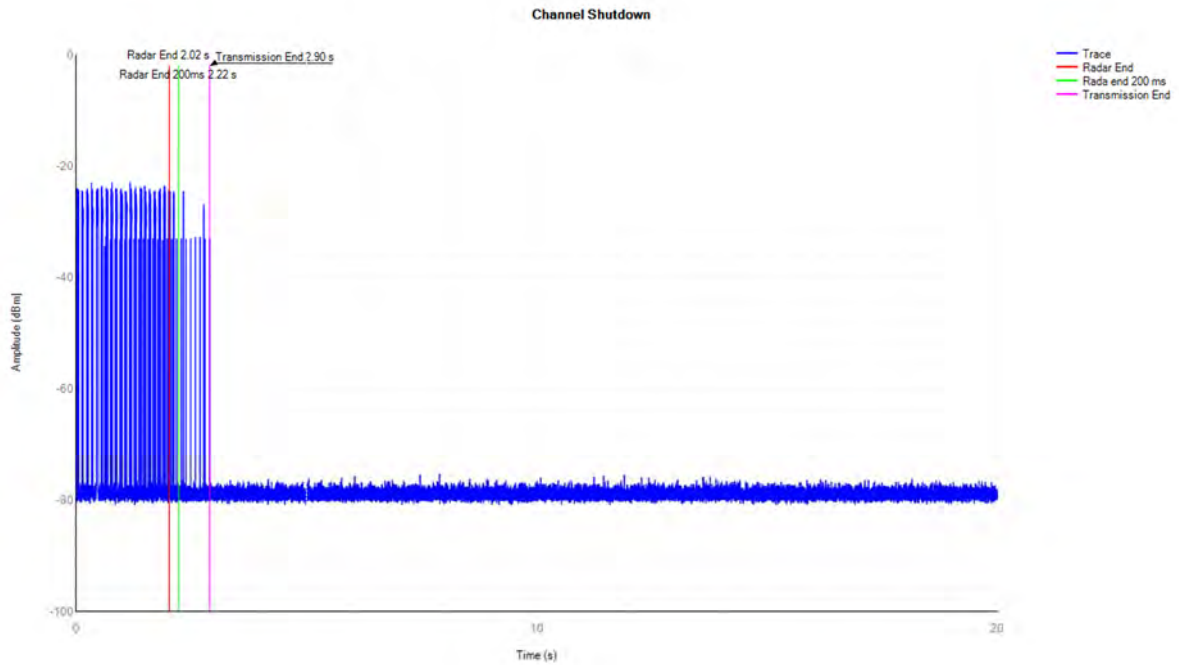
RBW: 3MHz

VBW: 3MHz

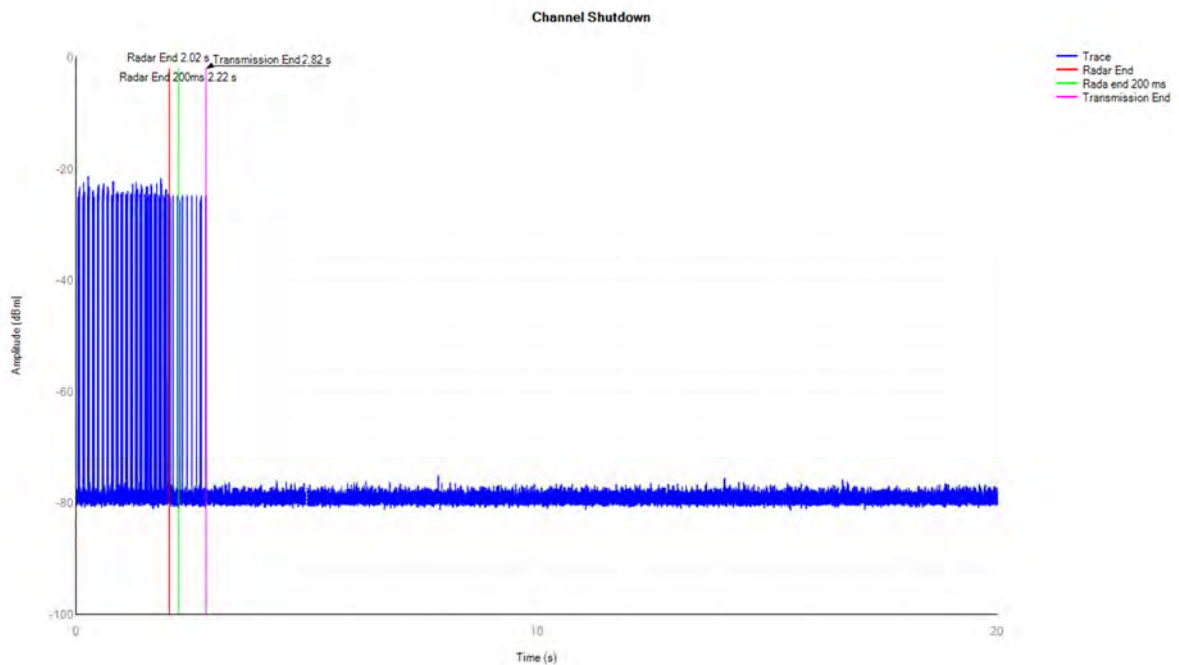
Sweep time: 20s

Test Graphs

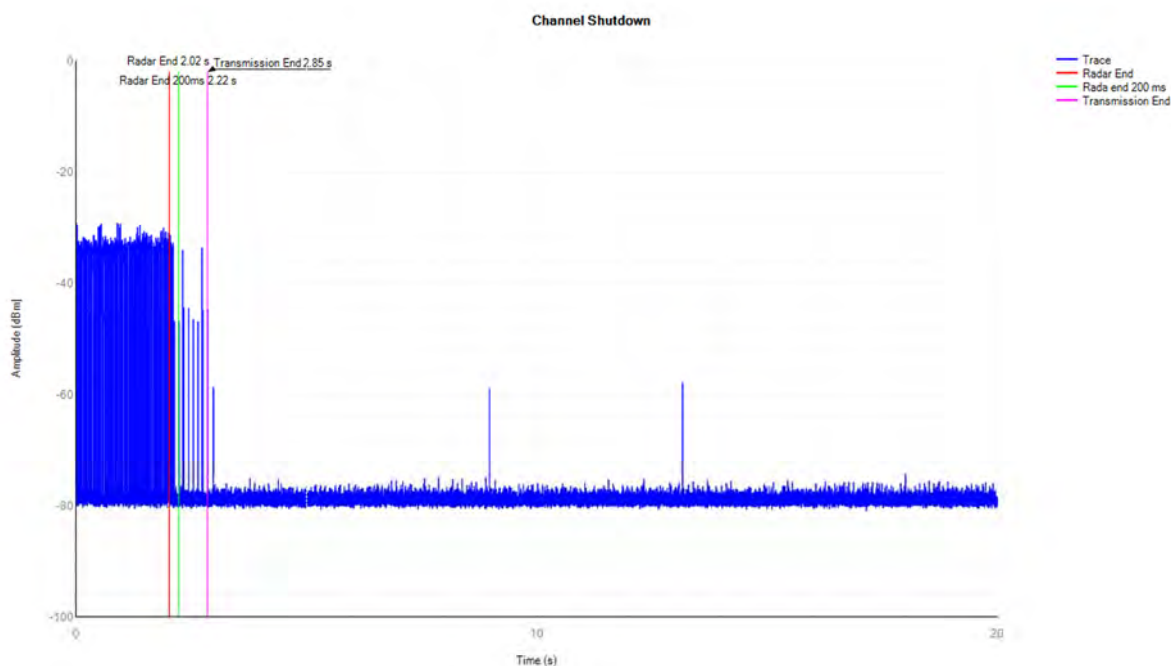
ax20 5320MHz Shutdown



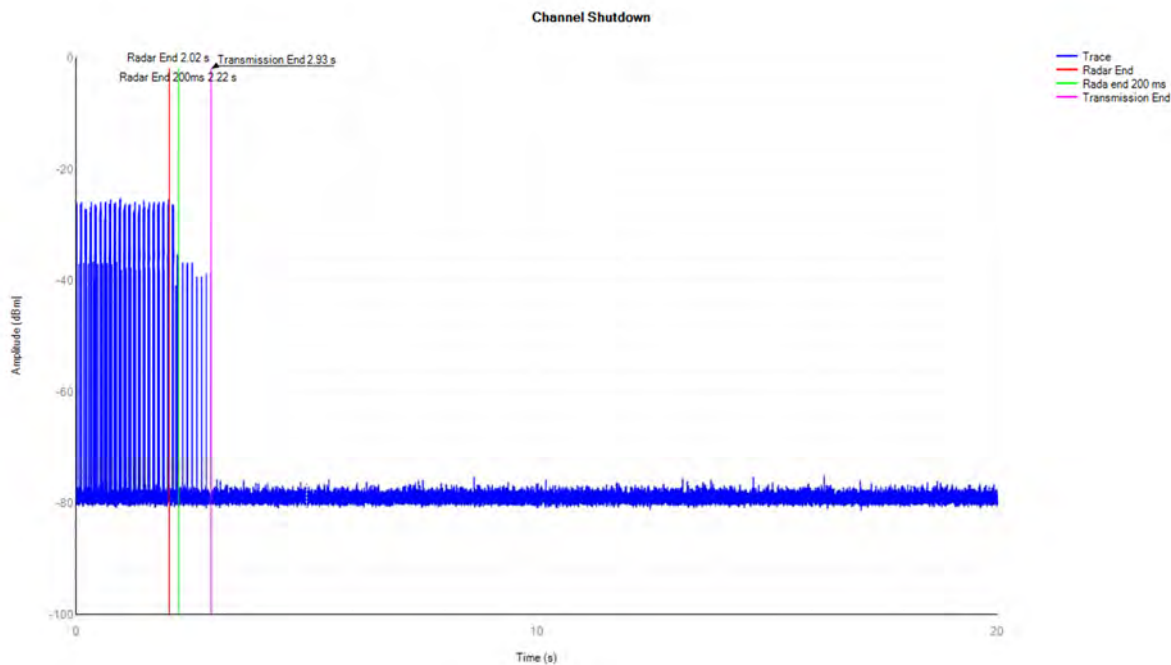
ax20 5500MHz Shutdown



ax40 5310MHz Shutdown



ax40 5510MHz 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	SISO
a	5260	See test Graph	Pass	SISO
a	5500	See test Graph	Pass	SISO

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

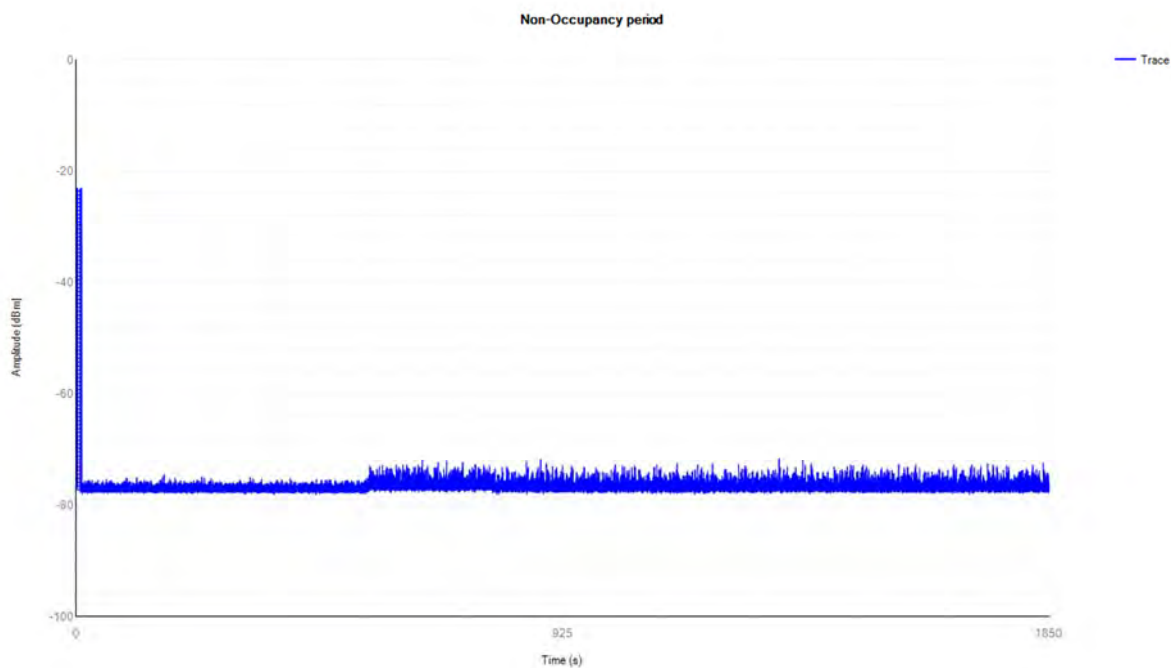
RBW: 3MHz

VBW: 3MHz

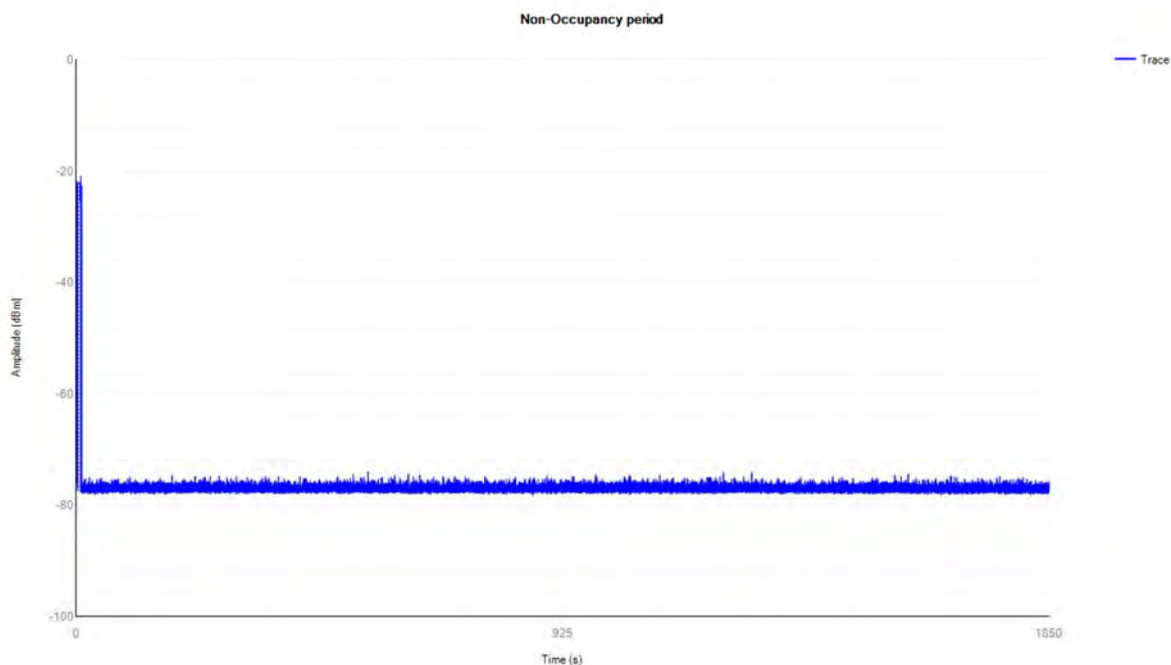
Sweep time: 1850s

Test Graphs

a 5260MHz 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

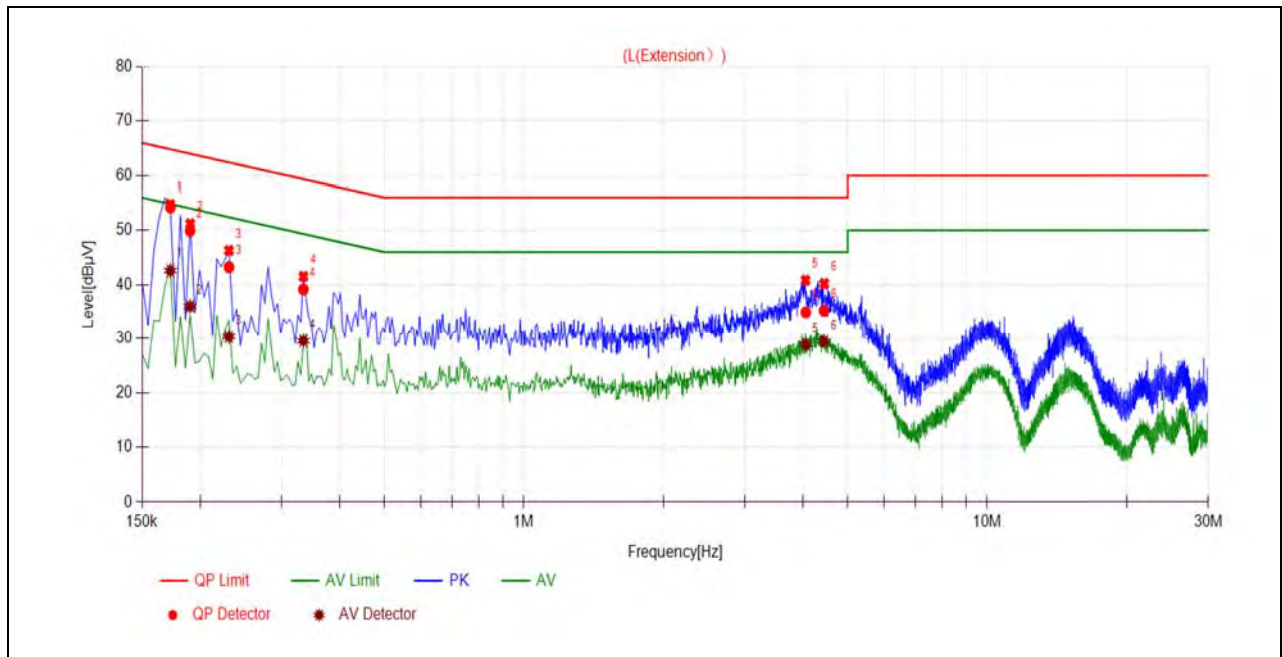
The measurement results are obtained as below:

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

U_R : Receiver Reading

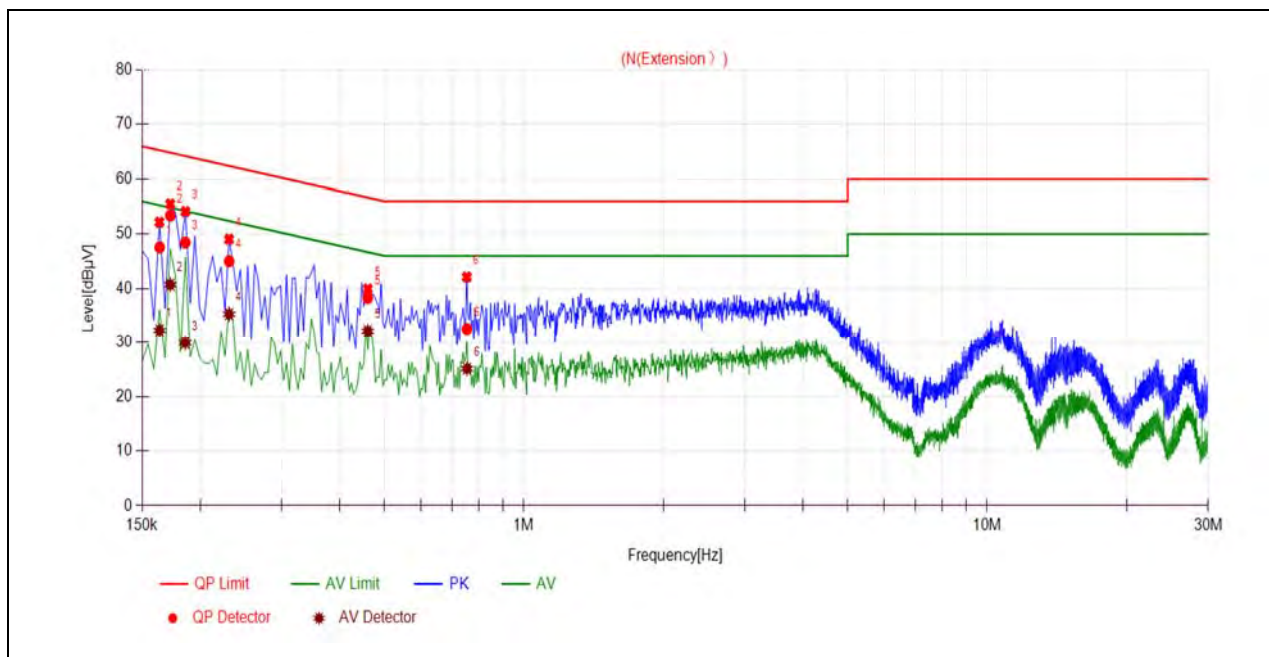
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1726	54.19	42.59	64.83	54.83	Line	PASS
2	0.1903	49.94	36.01	64.02	54.02		PASS
3	0.2309	43.24	30.33	62.42	52.42		PASS
4	0.3343	39.14	29.54	59.34	49.34		PASS
5	4.0598	34.91	28.87	56.00	46.00		PASS
6	4.4440	35.21	29.44	56.00	46.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1636	47.57	32.29	65.28	55.28	Neutral	PASS
2	0.1726	53.41	40.73	64.84	54.84		PASS
3	0.1858	48.46	29.92	64.22	54.22		PASS
4	0.2311	45.03	35.30	62.41	52.41		PASS
5	0.4603	38.29	32.18	56.69	46.69		PASS
6	0.7535	32.55	25.11	56.00	46.00		PASS



A.8. Restricted Frequency Bands

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

The measurement results are obtained as below:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

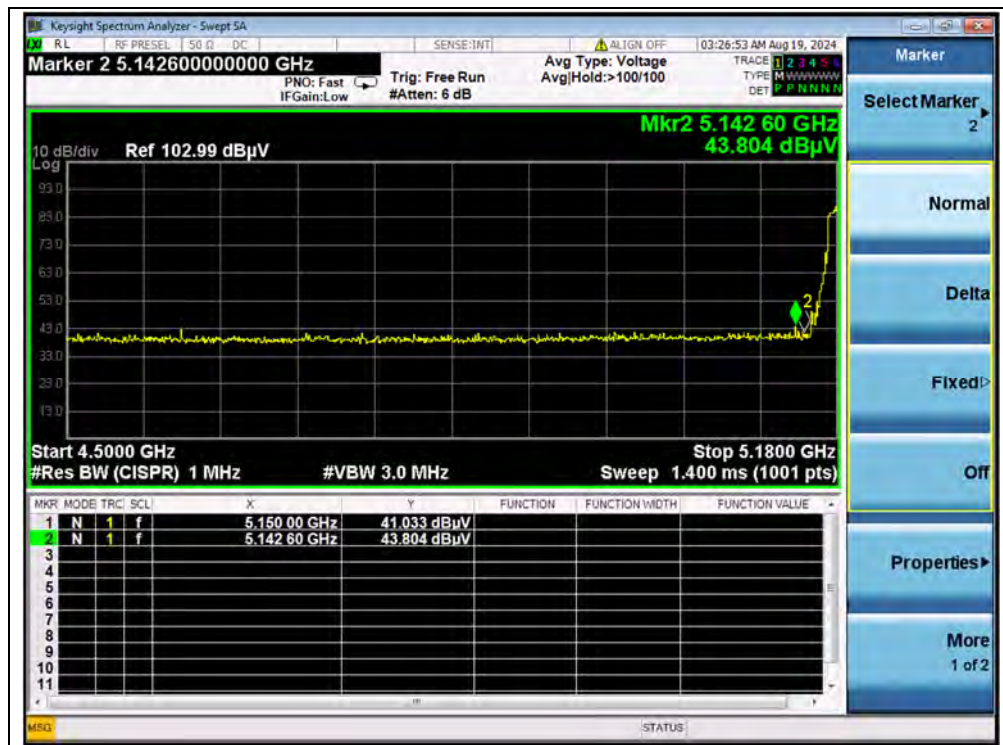
A_{Factor} : Antenna Factor at 3m

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

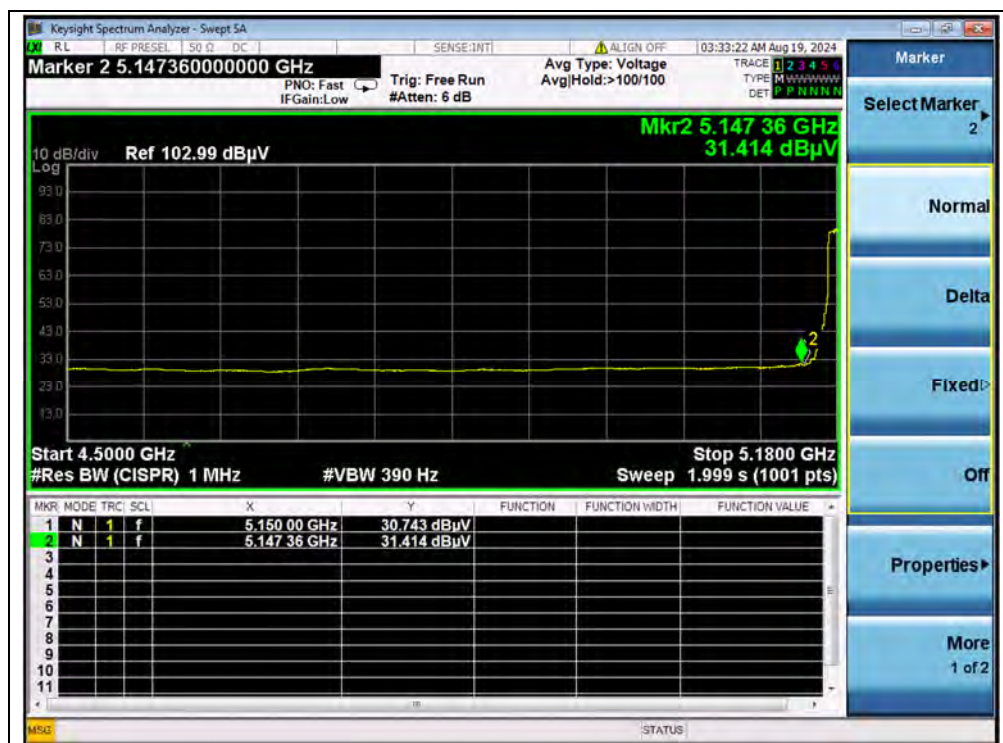
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

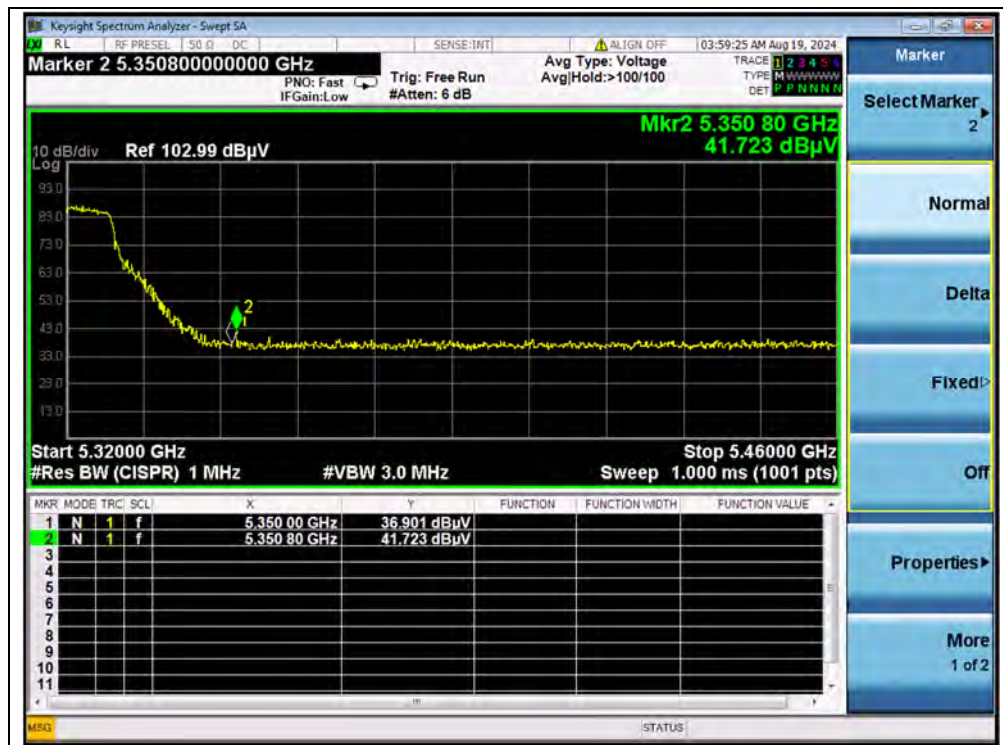
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
36	5142.60	PK	43.80	-21.29	32.20	54.71	74	PASS
36	5147.36	AV	31.41	-21.29	32.20	42.32	54	PASS
64	5350.80	PK	41.72	-20.66	32.20	53.26	74	PASS
64	5352.20	AV	29.41	-20.66	32.20	40.95	54	PASS
100	5467.50	PK	42.83	-20.24	32.20	54.79	68.23	PASS
100	5105.50	AV	30.22	-20.24	32.20	42.18	54	PASS
144	5727.30	PK	50.63	-20.24	32.20	62.59	68.23	PASS
149	5725.00	PK	47.38	-21.11	32.20	58.47	122.23	PASS
165	5850.00	PK	42.90	-21.11	32.20	53.99	122.23	PASS



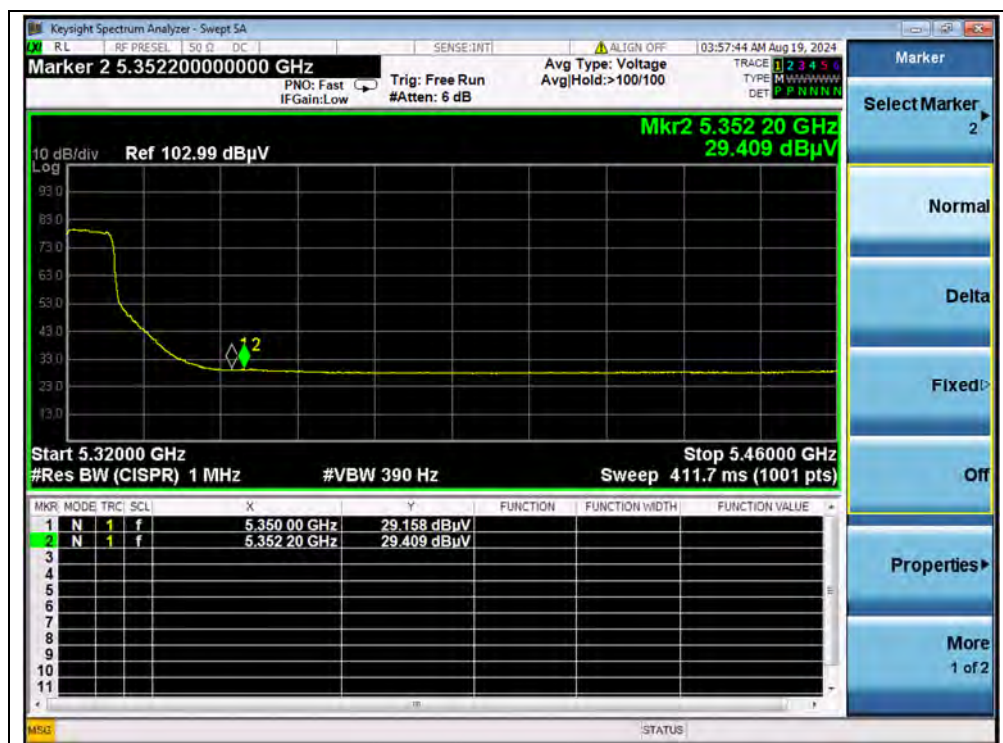
(PEAK, Channel 36, 802.11a)



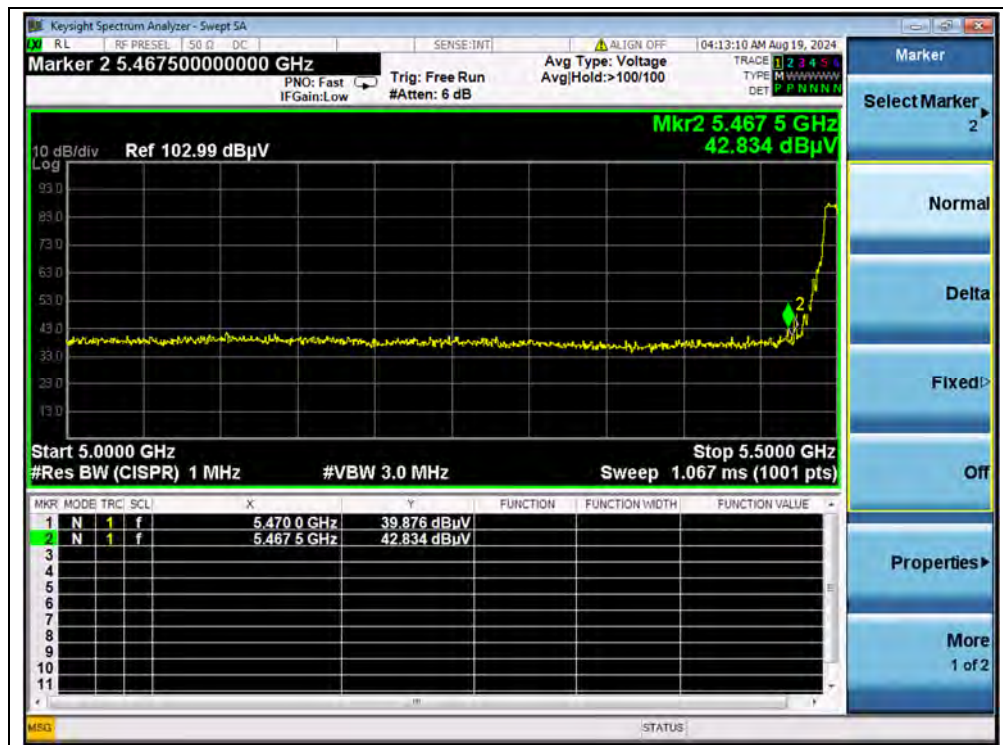
(AVERAGE, Channel 36, 802.11a)



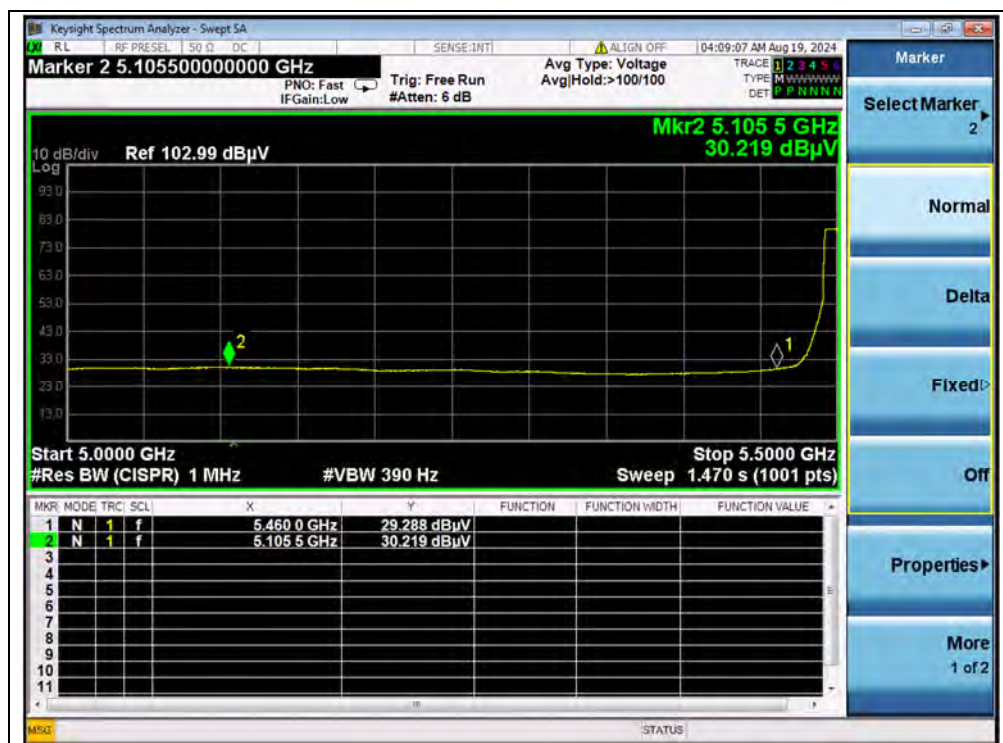
(PEAK, Channel 64, 802.11a)



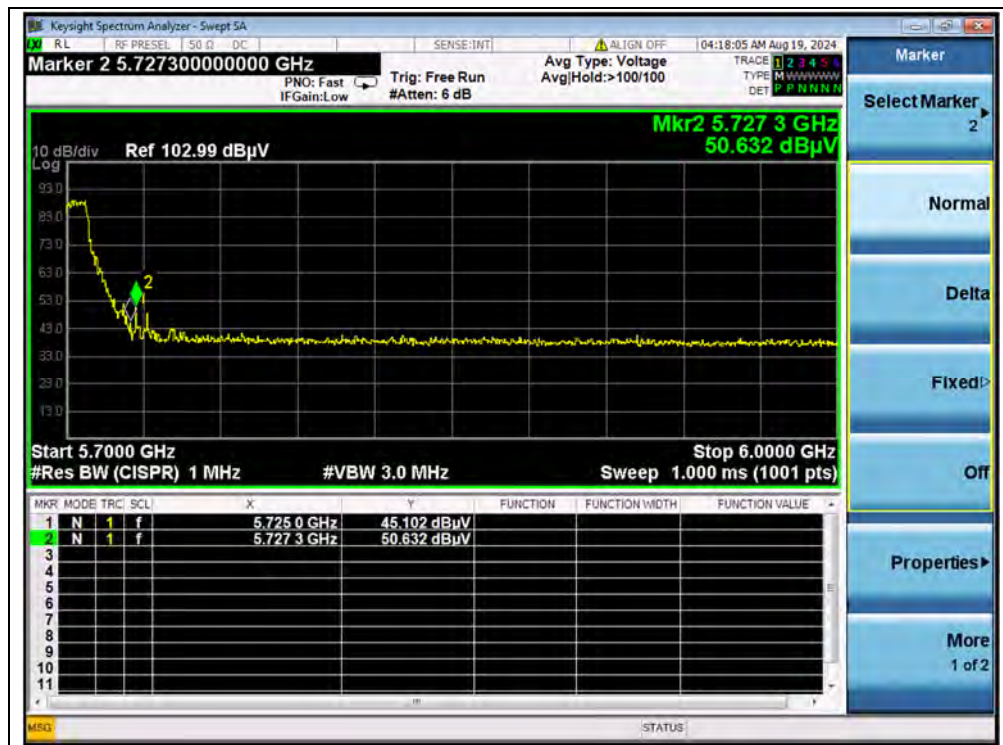
(AVERAGE, Channel 64, 802.11a)



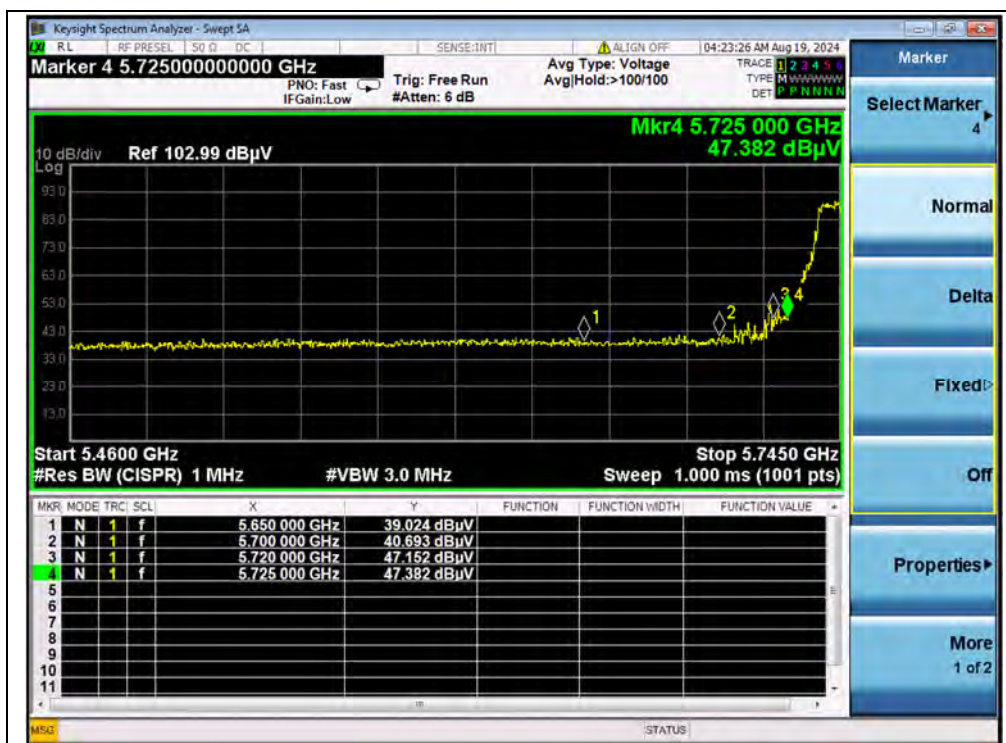
(PEAK, Channel 100, 802.11a)



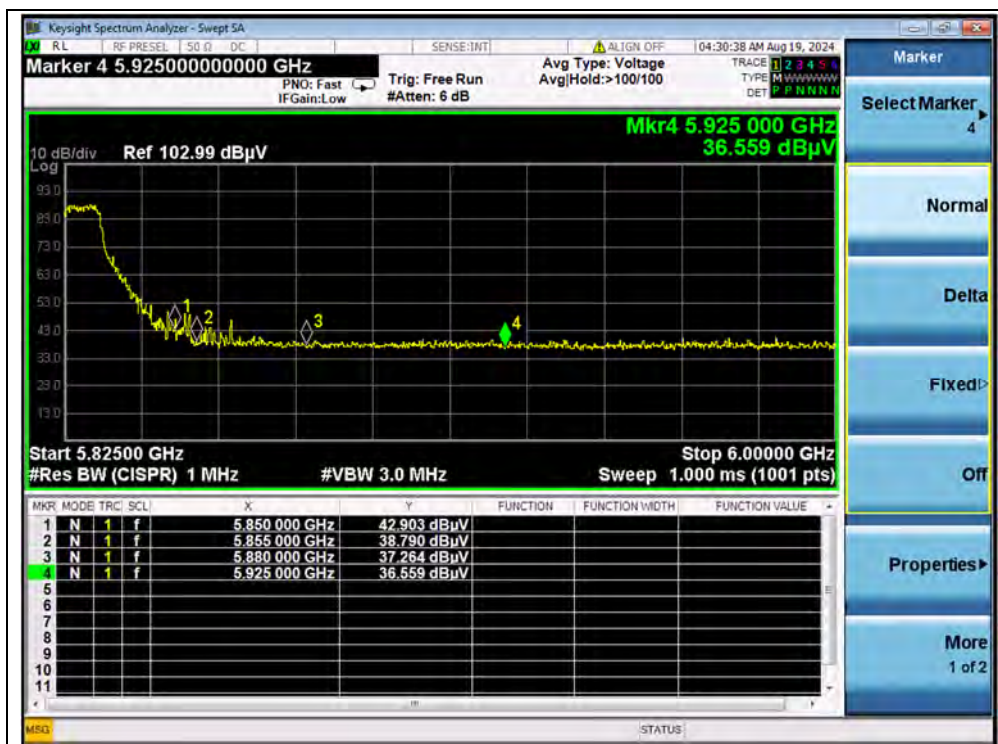
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



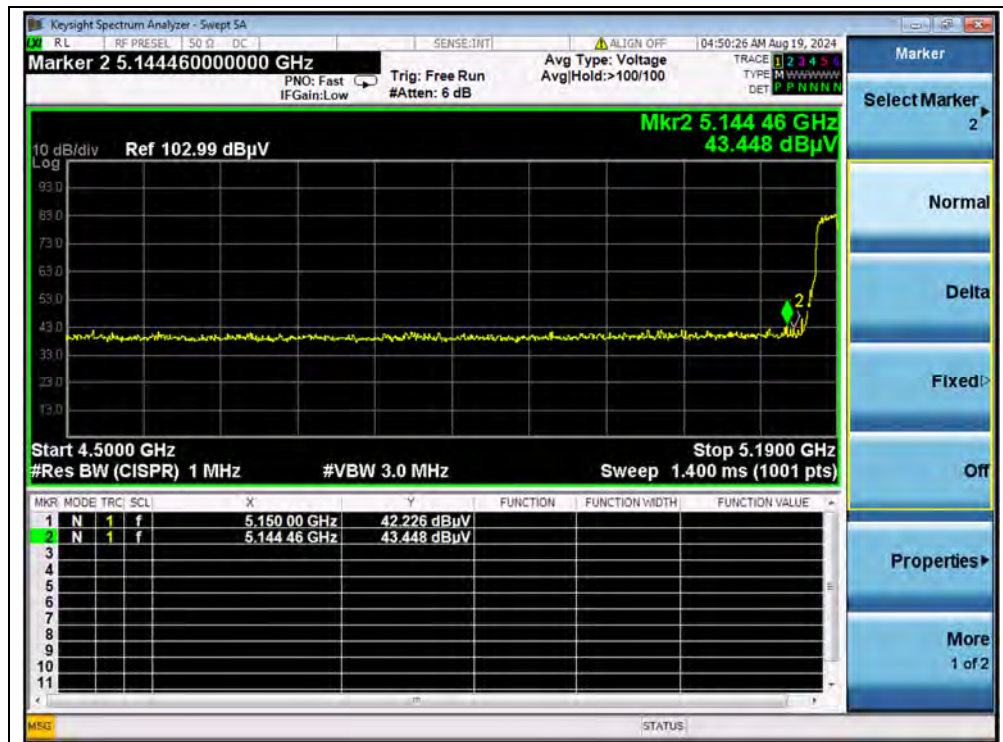
(PEAK, Channel 149, 802.11a)



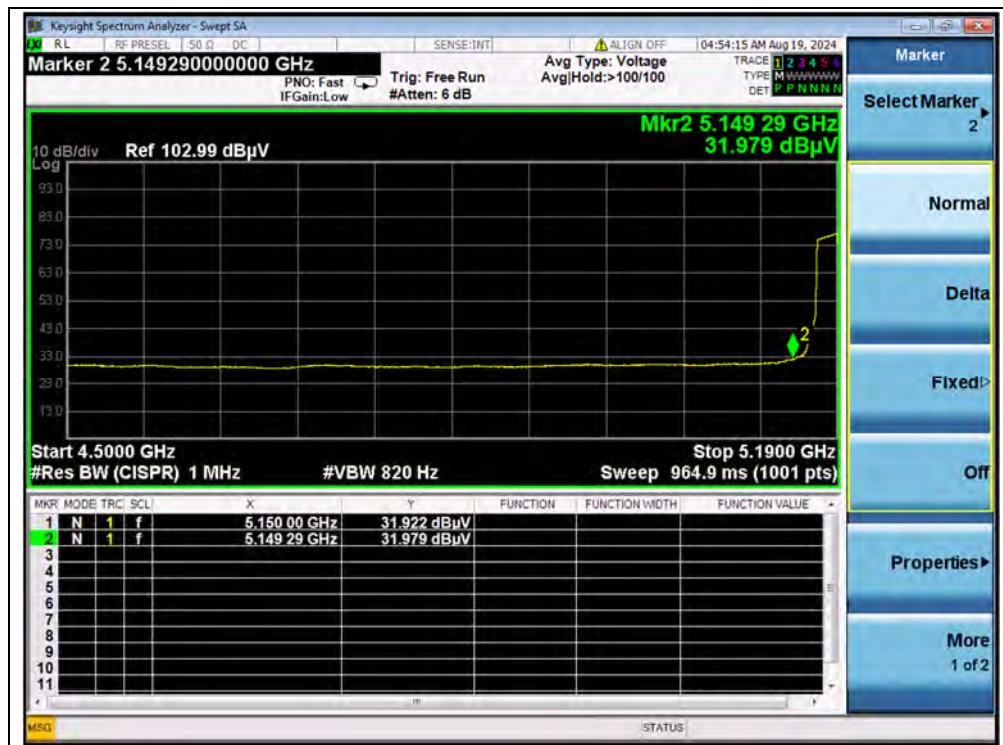
(PEAK, Channel 165, 802.11a)

**802.11n (HT40) Mode**

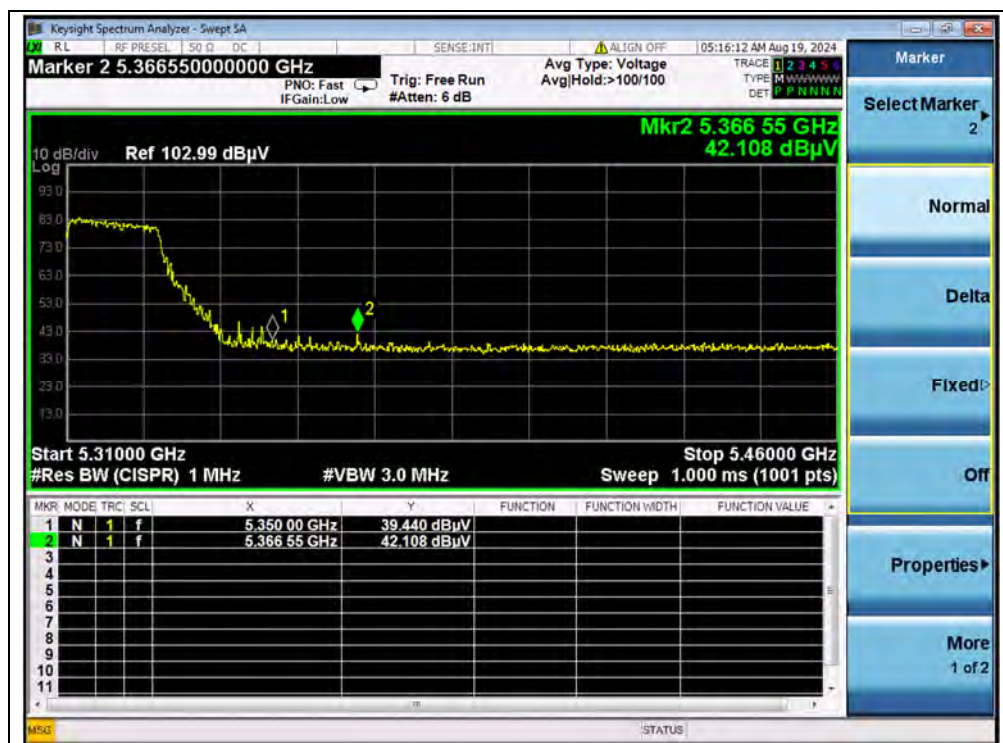
Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBμV)	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
38	5144.46	PK	43.45	-21.29	32.20	54.36	74	PASS
38	5149.29	AV	31.98	-21.29	32.20	42.89	54	PASS
62	5366.55	PK	42.11	-20.66	32.20	53.65	74	PASS
62	5350.65	AV	30.78	-20.66	32.20	42.32	54	PASS
102	5469.71	PK	47.91	-20.24	32.20	59.87	74	PASS
102	5459.51	AV	30.47	-20.24	32.20	42.43	54	PASS
142	5726.43	PK	43.81	-20.24	32.20	55.77	68.23	PASS
151	5725.00	PK	54.44	-21.11	32.20	65.53	122.23	PASS
159	5855.00	PK	40.20	-21.11	32.20	51.29	110.83	PASS



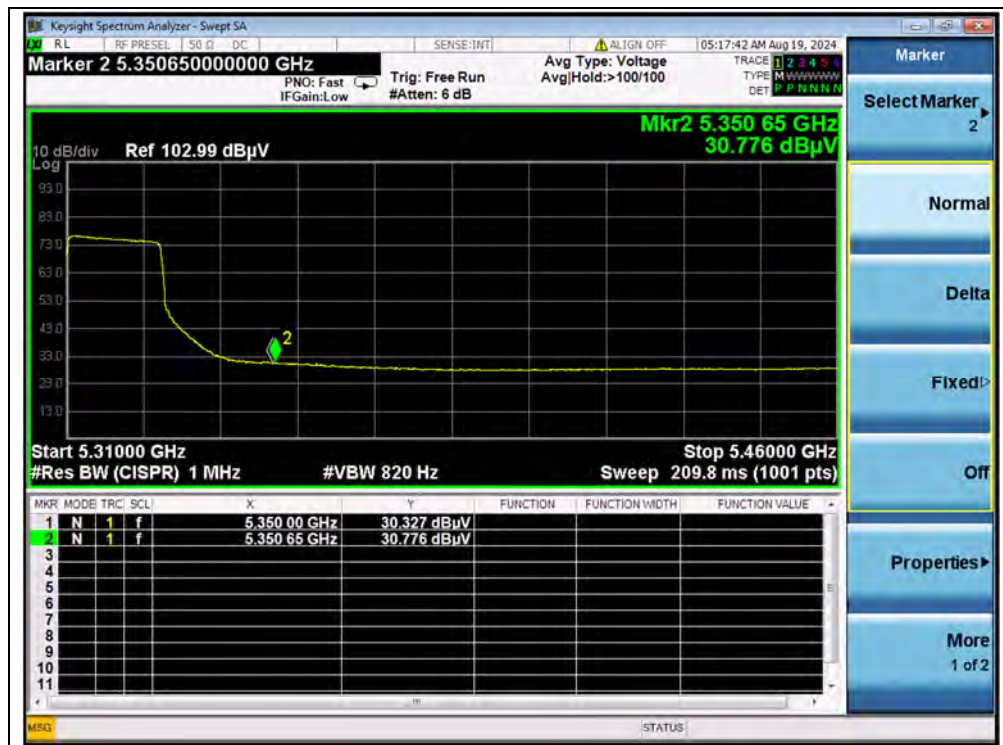
(PEAK, Channel 38, 802.11n (HT40))



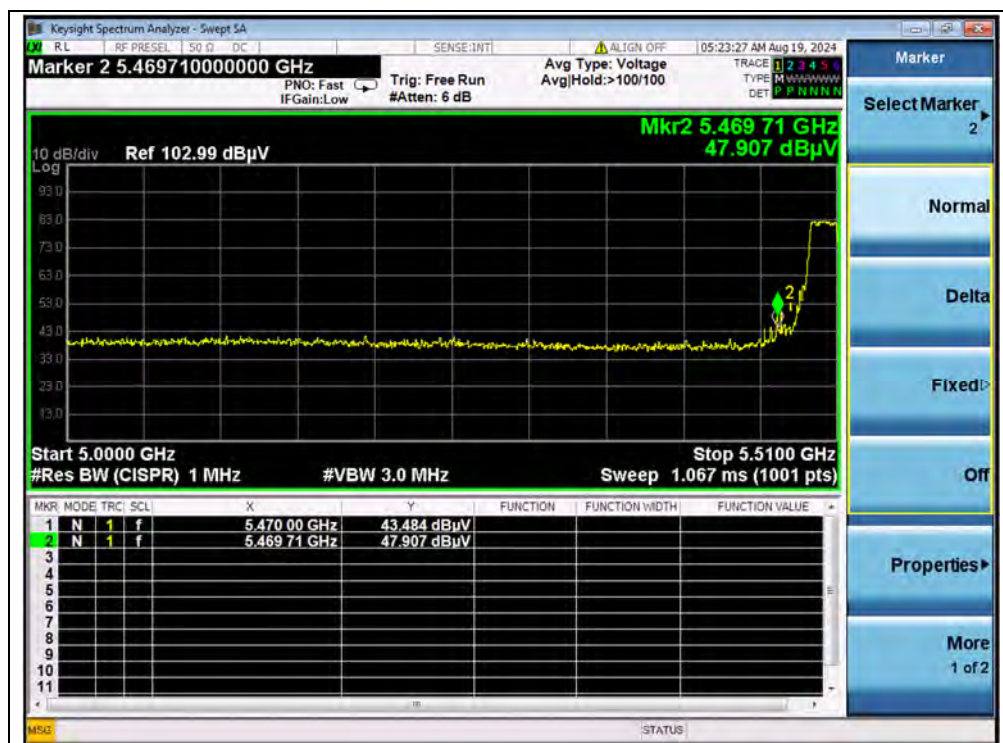
(AVERAGE, Channel 38, 802.11n (HT40))



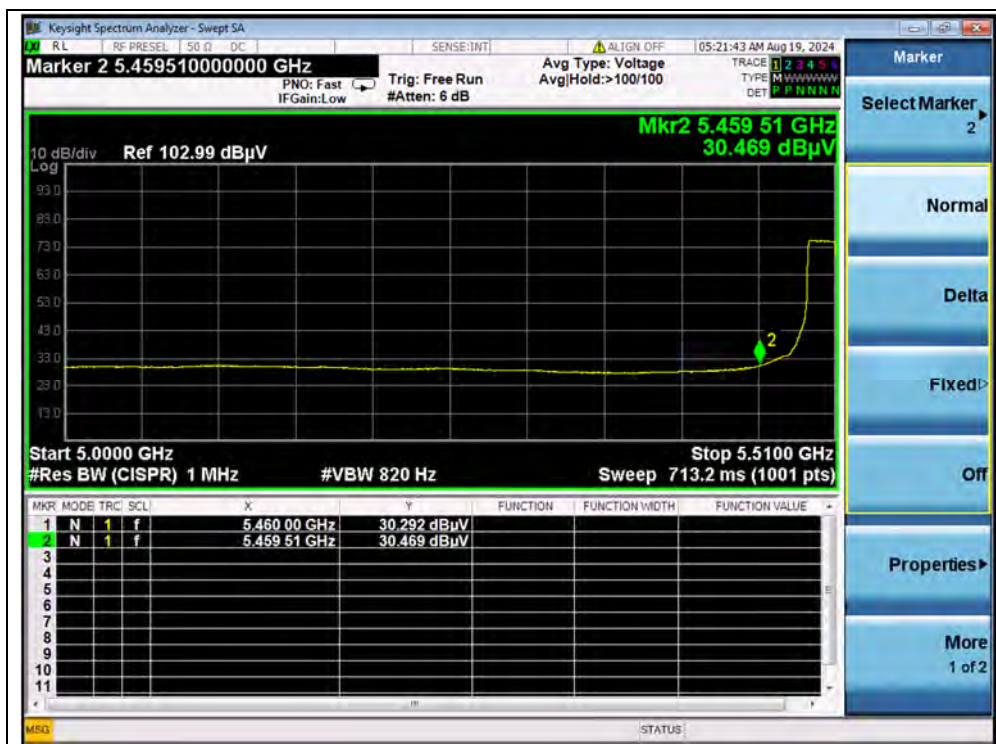
(PEAK, Channel 62, 802.11n (HT40))



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



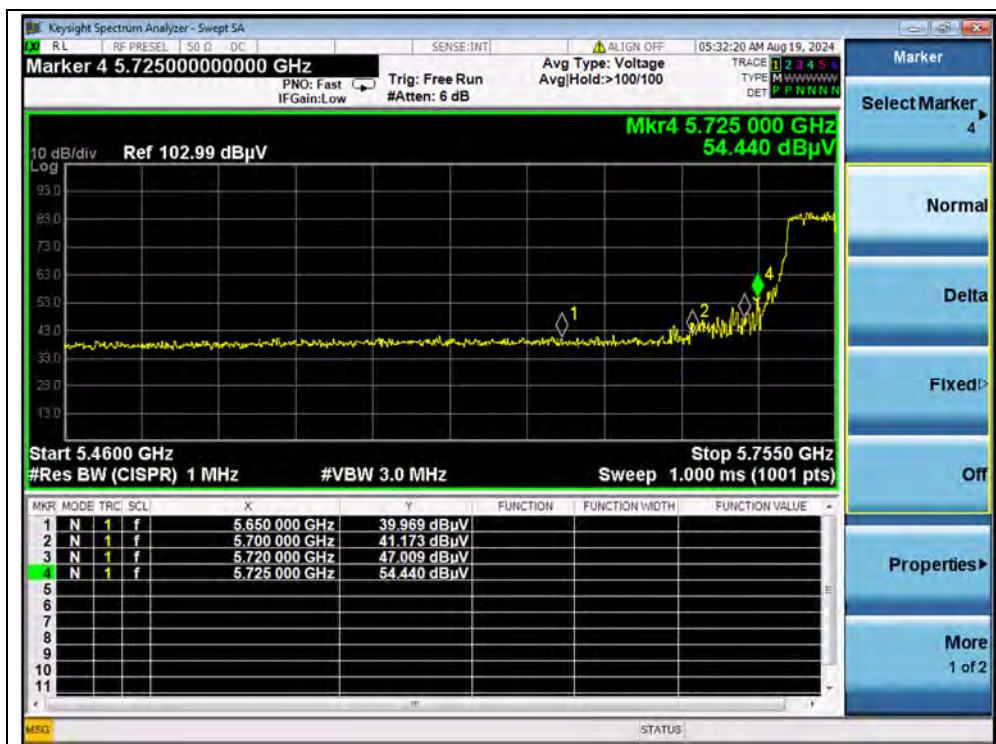
(PEAK, Channel 102, 802.11n (HT40))



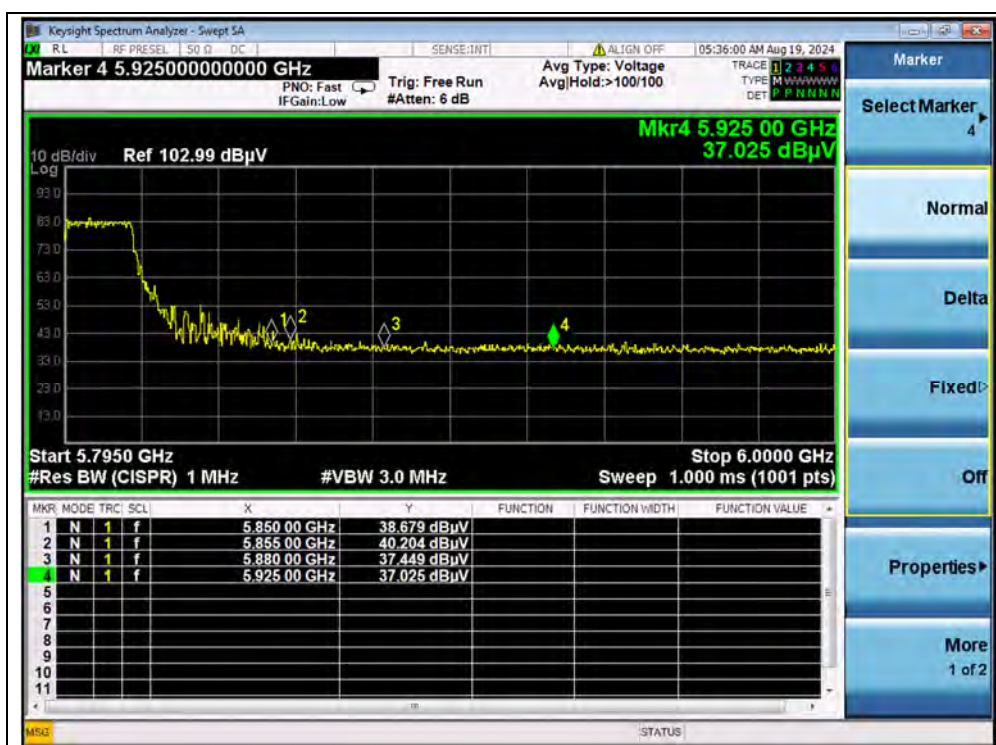
(AVERAGE, Channel 102, 802.11n (HT40))



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



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



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



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 harmonic of the highest frequency, 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.

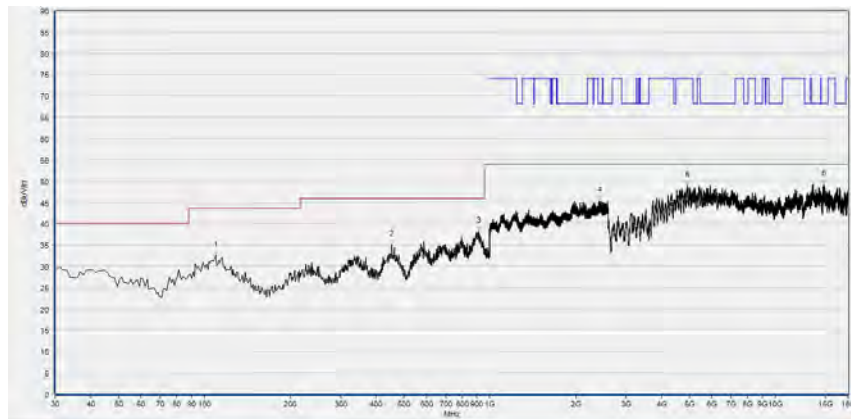
Field strength of fundamental:

Frequency (MHz)	Reading_Peak (dB μ V/m)	Antenna Factor (dB)	Path Loss (dB)	Final_Peak (dB μ V/m)	Antenna Polarity
5297.20	87.20	27.20	6.74	121.14	Vertical

The field strength (the lowest) of fundamenta is more than 20dB higher than the unwanted emissions, in accordance with FCC part 15.215(b).

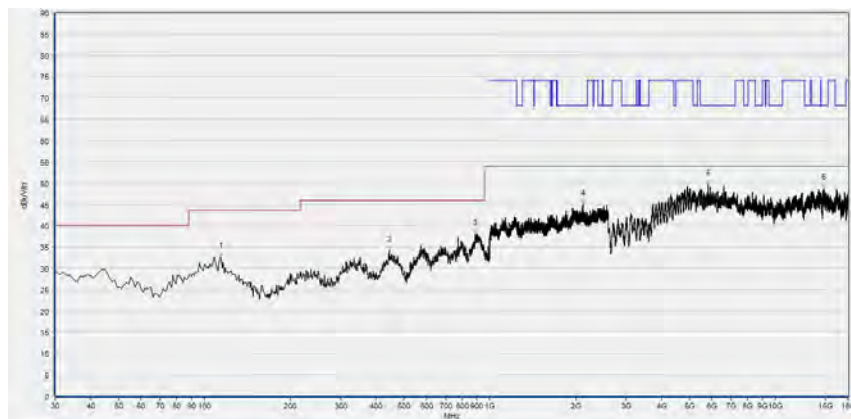
**802.11a Mode**

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
109.540	32.57	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
453.890	35.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
915.610	38.18	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2421.867	45.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4925.400	48.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14766.000	49.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

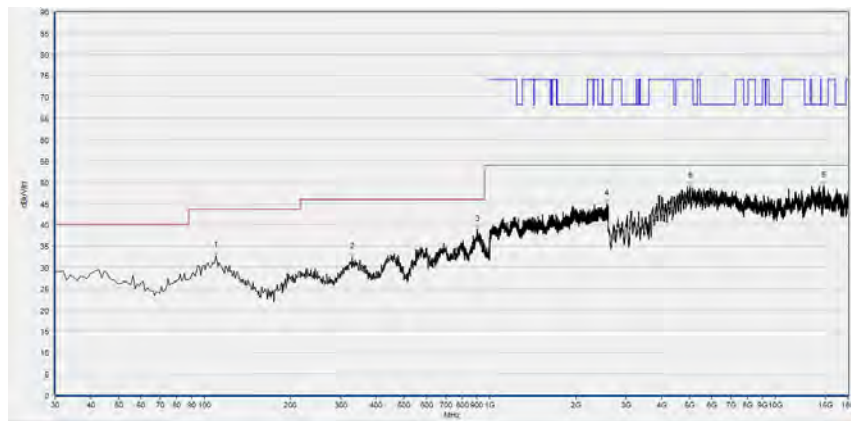


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
114.390	32.62	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
444.190	34.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
889.420	38.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2116.800	45.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5821.680	49.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14809.120	48.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

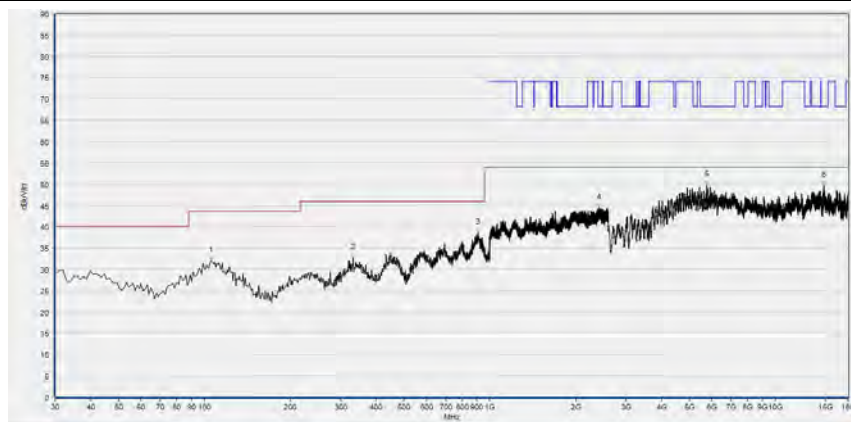


Plot for Channel 60



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
109.540	32.68	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
329.730	32.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.030	38.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2572.800	44.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5027.040	48.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14781.400	49.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

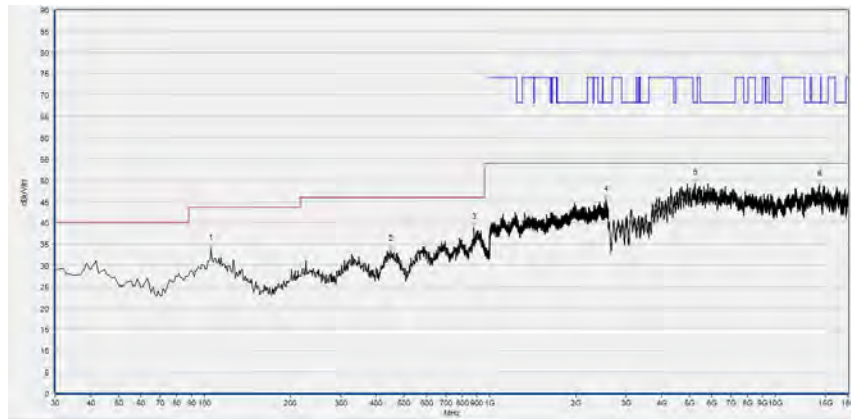
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	31.93	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
332.640	32.76	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
909.790	38.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2402.133	44.33	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5744.680	49.80	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14766.000	49.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

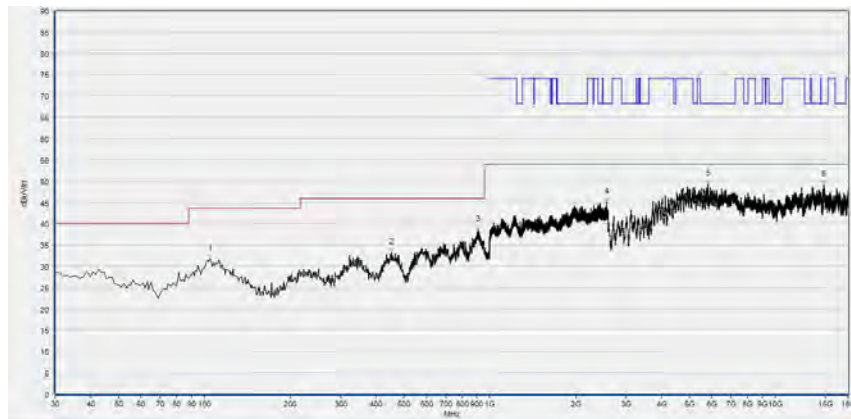
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	33.88	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
450.010	33.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
880.690	38.84	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2547.733	45.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5230.320	49.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14263.960	48.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

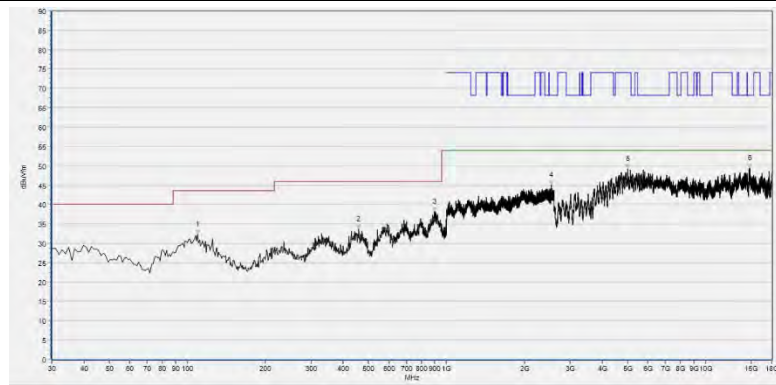


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	31.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
452.920	33.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
911.730	38.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2564.267	45.12	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5821.680	49.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14781.400	49.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

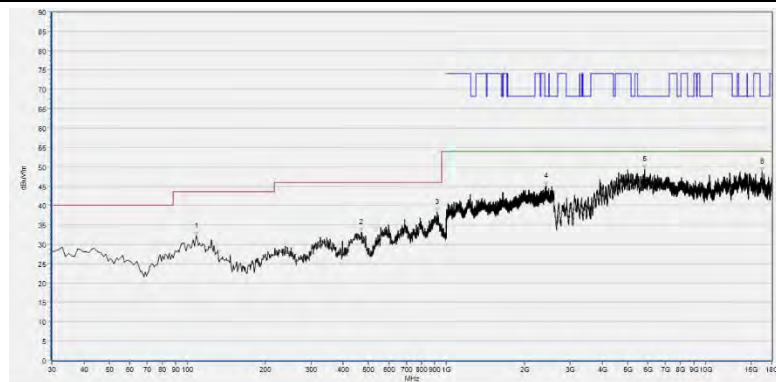


Plot for Channel 157



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.28	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
458.740	33.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
897.180	38.16	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2539.200	45.11	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4999.320	49.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14766.000	49.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	32.14	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
469.410	33.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
921.430	38.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2420.800	45.16	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5821.680	49.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16549.320	48.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT