



NVNT	ac20	5240	Ant1	1.28	0.85	2.13	17	Pass
NVNT	ac20	5240	Ant2	1.11	0.85	1.96	17	Pass
NVNT	ac20	5240	Ant1	-2.37	0.77	-1.6	17	Pass
NVNT	ac20	5240	Ant2	-1.49	0.77	-0.72	17	Pass
NVNT	ac20	5240	Sum	1.1	0.77	1.87	17	Pass
NVNT	ac20	5745	Ant1	-6.28	0.85	-5.43	30	Pass
NVNT	ac20	5745	Ant2	-6.28	0.85	-5.43	30	Pass
NVNT	ac20	5745	Ant1	-9.24	0.77	-8.47	30	Pass
NVNT	ac20	5745	Ant2	-9.48	0.77	-8.71	30	Pass
NVNT	ac20	5745	Sum	-6.35	0.77	-5.58	30	Pass
NVNT	ac20	5785	Ant1	-6.03	0.85	-5.18	30	Pass
NVNT	ac20	5785	Ant2	-6.05	0.85	-5.2	30	Pass
NVNT	ac20	5785	Ant1	-8.67	0.77	-7.9	30	Pass
NVNT	ac20	5785	Ant2	-9.33	0.77	-8.56	30	Pass
NVNT	ac20	5785	Sum	-5.98	0.77	-5.21	30	Pass
NVNT	ac20	5825	Ant1	-5.78	0.85	-4.93	30	Pass
NVNT	ac20	5825	Ant2	-6.06	0.85	-5.21	30	Pass
NVNT	ac20	5825	Ant1	-8.49	0.78	-7.71	30	Pass
NVNT	ac20	5825	Ant2	-9.42	0.78	-8.64	30	Pass
NVNT	ac20	5825	Sum	-5.92	0.78	-5.14	30	Pass
NVNT	ac40	5190	Ant1	-2.69	1.43	-1.26	17	Pass
NVNT	ac40	5190	Ant2	-2.82	1.43	-1.39	17	Pass
NVNT	ac40	5190	Ant1	-5.83	1.45	-4.38	17	Pass
NVNT	ac40	5190	Ant2	-5.03	1.45	-3.58	17	Pass
NVNT	ac40	5190	Sum	-2.4	1.45	-0.95	17	Pass
NVNT	ac40	5230	Ant1	-2.09	1.5	-0.59	17	Pass
NVNT	ac40	5230	Ant2	-2.36	1.5	-0.86	17	Pass
NVNT	ac40	5230	Ant1	-5.58	1.5	-4.08	17	Pass
NVNT	ac40	5230	Ant2	-4.57	1.5	-3.07	17	Pass
NVNT	ac40	5230	Sum	-2.04	1.5	-0.54	17	Pass
NVNT	ac40	5755	Ant1	-9.68	1.43	-8.25	30	Pass
NVNT	ac40	5755	Ant2	-9.47	1.43	-8.04	30	Pass
NVNT	ac40	5755	Ant1	-12.18	1.43	-10.75	30	Pass
NVNT	ac40	5755	Ant2	-12.86	1.43	-11.43	30	Pass
NVNT	ac40	5755	Sum	-9.5	1.43	-8.07	30	Pass
NVNT	ac40	5795	Ant1	-9.27	1.43	-7.84	30	Pass
NVNT	ac40	5795	Ant2	-9.72	1.43	-8.29	30	Pass
NVNT	ac40	5795	Ant1	-11.72	1.43	-10.29	30	Pass

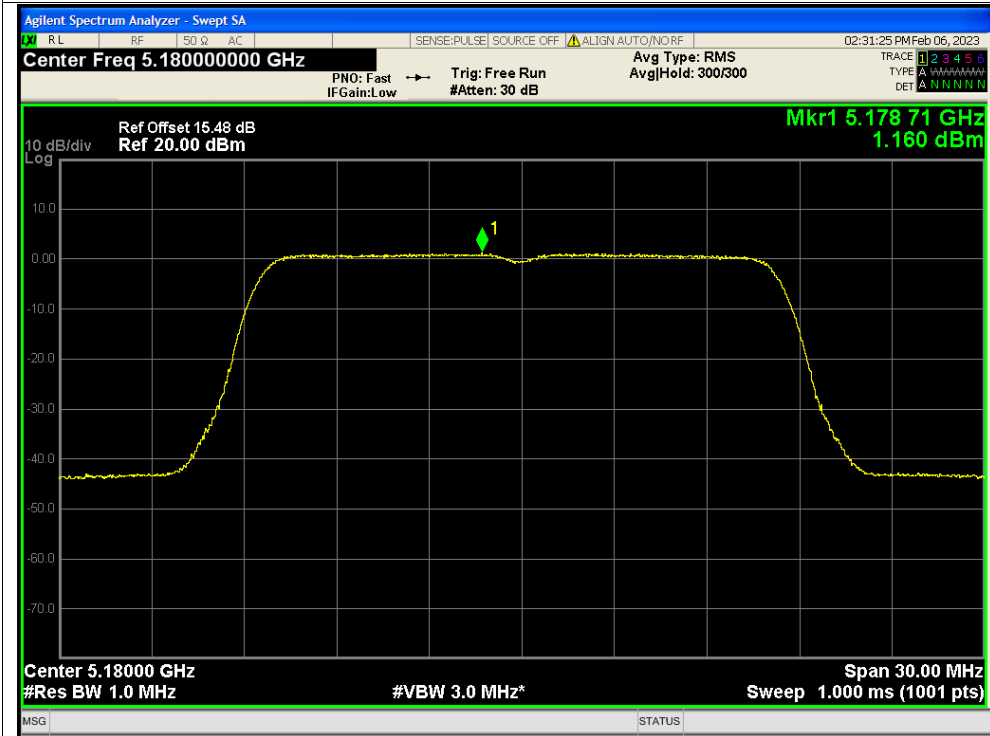


NVNT	ac40	5795	Ant2	-12.6	1.43	-11.17	30	Pass
NVNT	ac40	5795	Sum	-9.13	1.43	-7.7	30	Pass
NVNT	ac80	5210	Ant1	-9.15	2.51	-6.64	17	Pass
NVNT	ac80	5210	Ant2	-8.69	2.51	-6.18	17	Pass
NVNT	ac80	5210	Ant1	-10.14	2.65	-7.49	17	Pass
NVNT	ac80	5210	Ant2	-9.03	2.65	-6.38	17	Pass
NVNT	ac80	5210	Sum	-6.54	2.65	-3.89	17	Pass
NVNT	ac80	5775	Ant1	-15.29	2.65	-12.64	30	Pass
NVNT	ac80	5775	Ant2	-15.93	2.51	-13.42	30	Pass
NVNT	ac80	5775	Ant1	-16.14	2.51	-13.63	30	Pass
NVNT	ac80	5775	Ant2	-16.87	2.51	-14.36	30	Pass
NVNT	ac80	5775	Sum	-13.48	2.51	-10.97	30	Pass

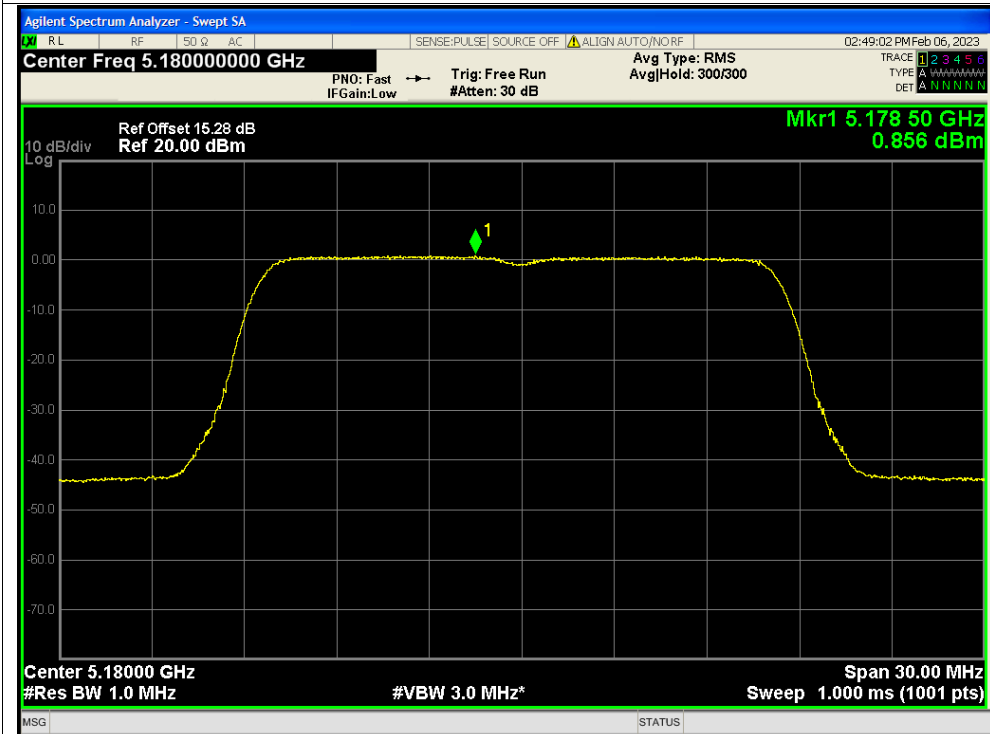


Test Graphs

PSD NVNT a 5180MHz Ant1

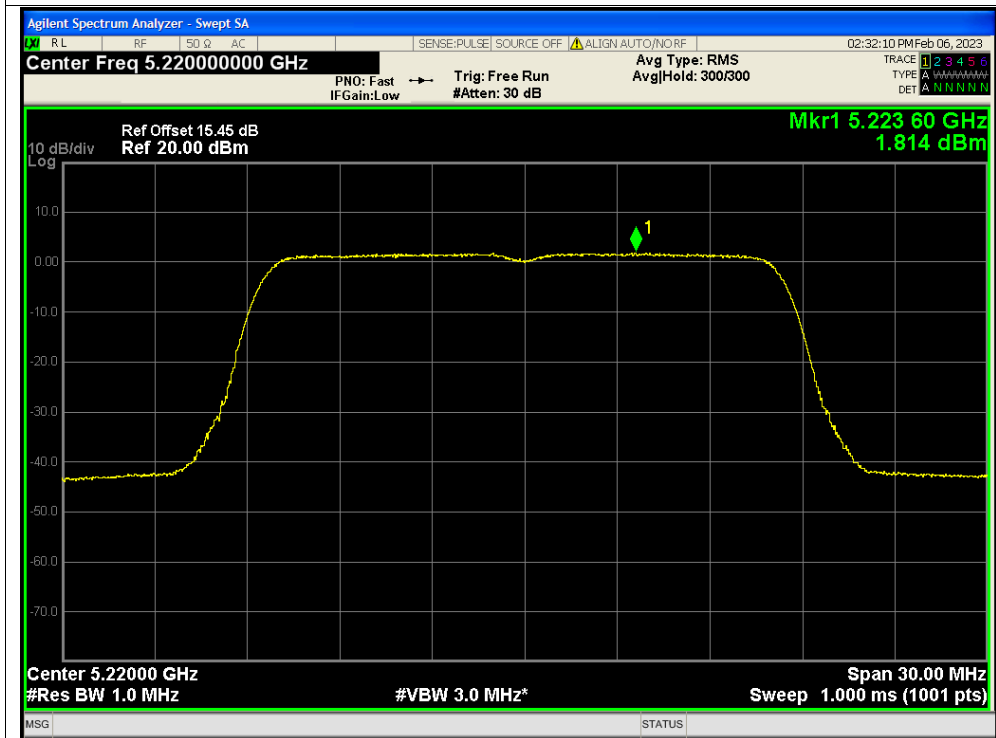


PSD NVNT a 5180MHz Ant2

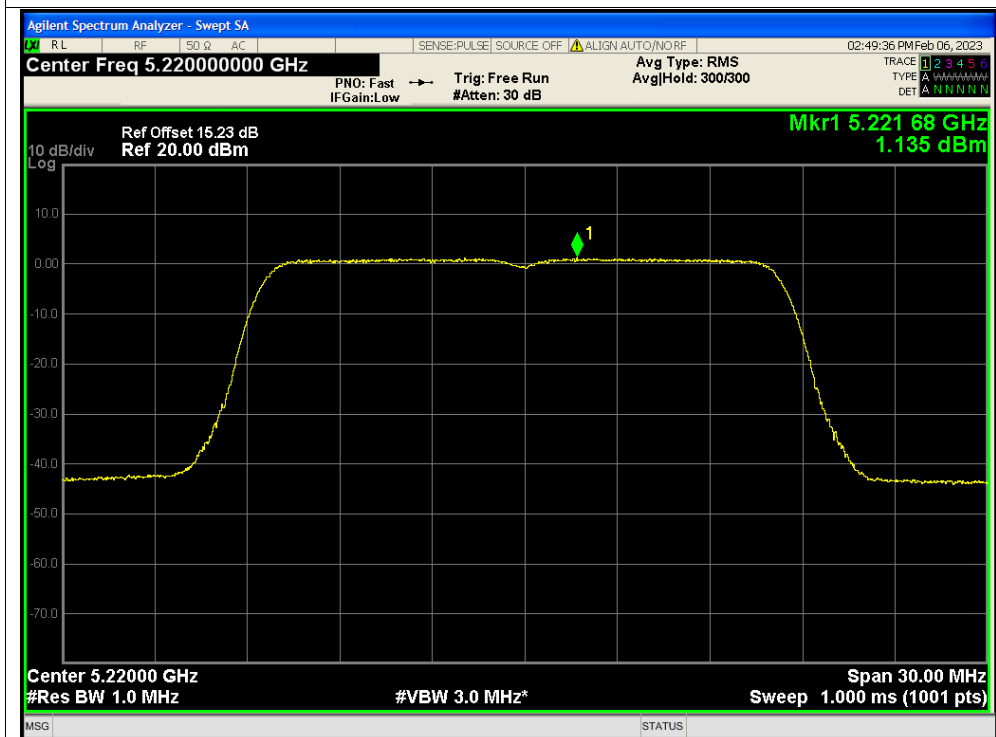




PSD NVNT a 5220MHz Ant1

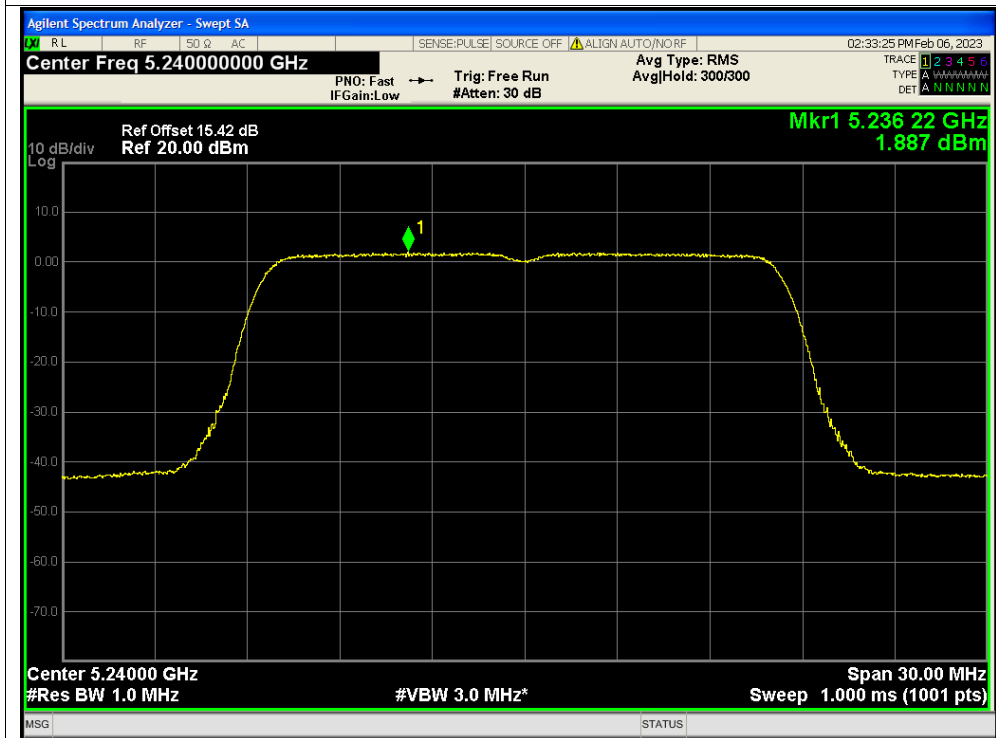


PSD NVNT a 5220MHz Ant2

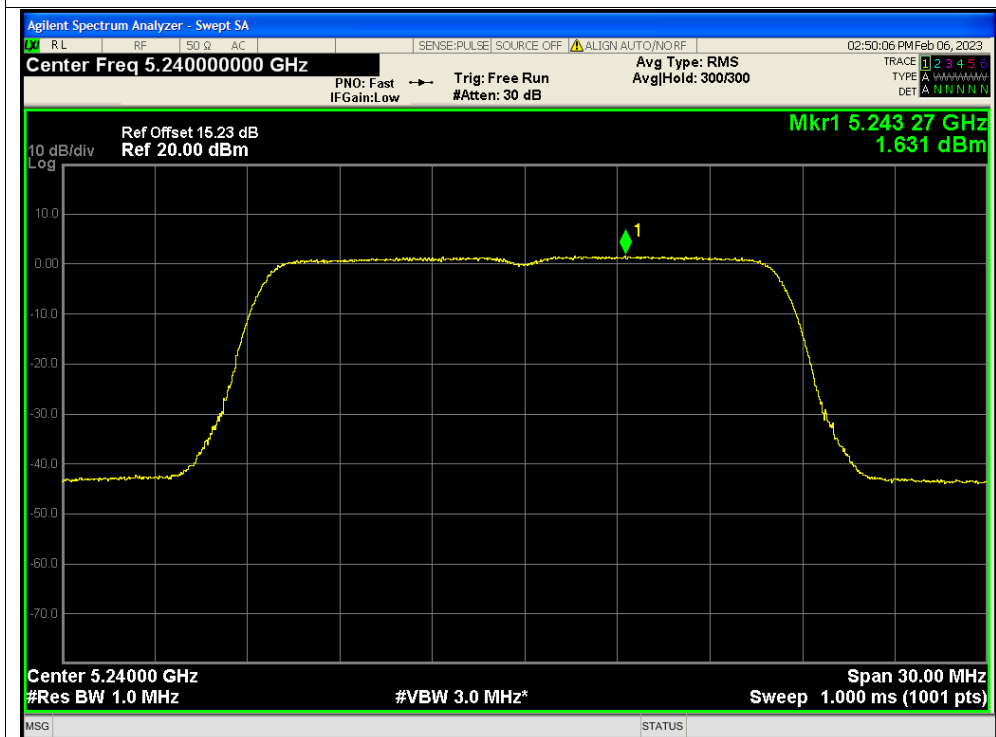




PSD NVNT a 5240MHz Ant1

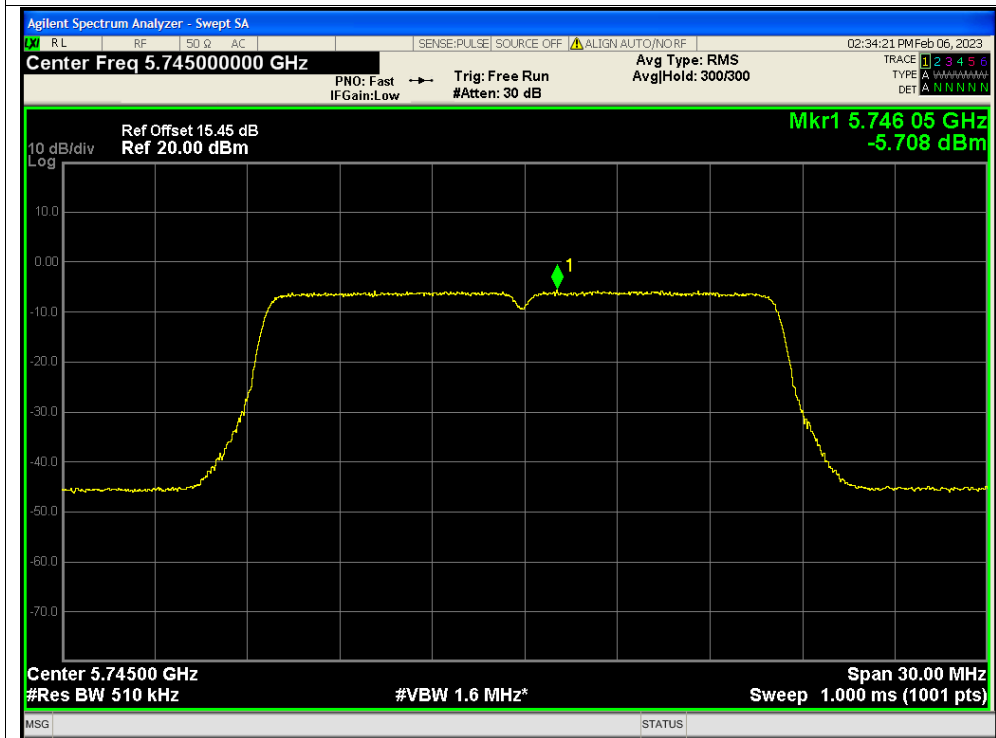


PSD NVNT a 5240MHz Ant2

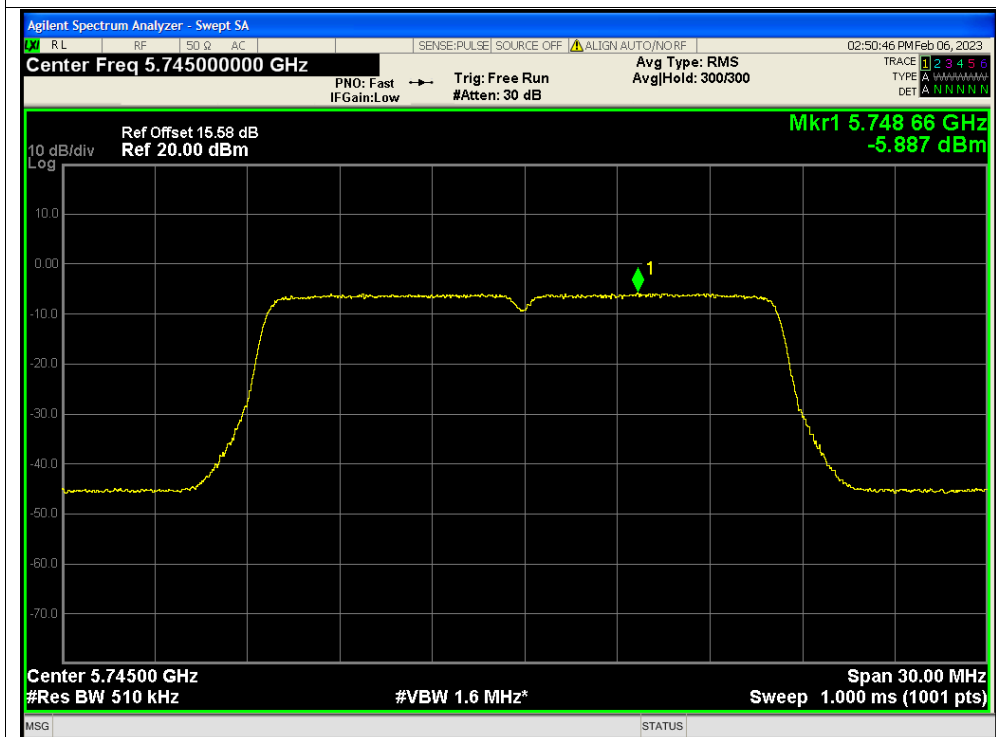




PSD NVNT a 5745MHz Ant1

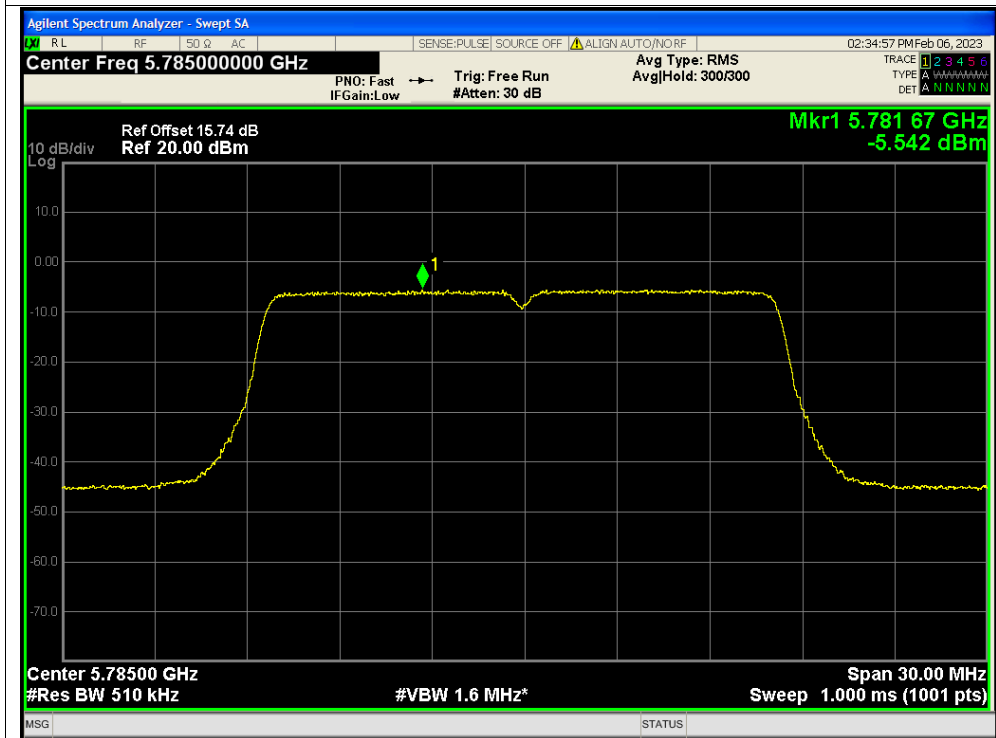


PSD NVNT a 5745MHz Ant2

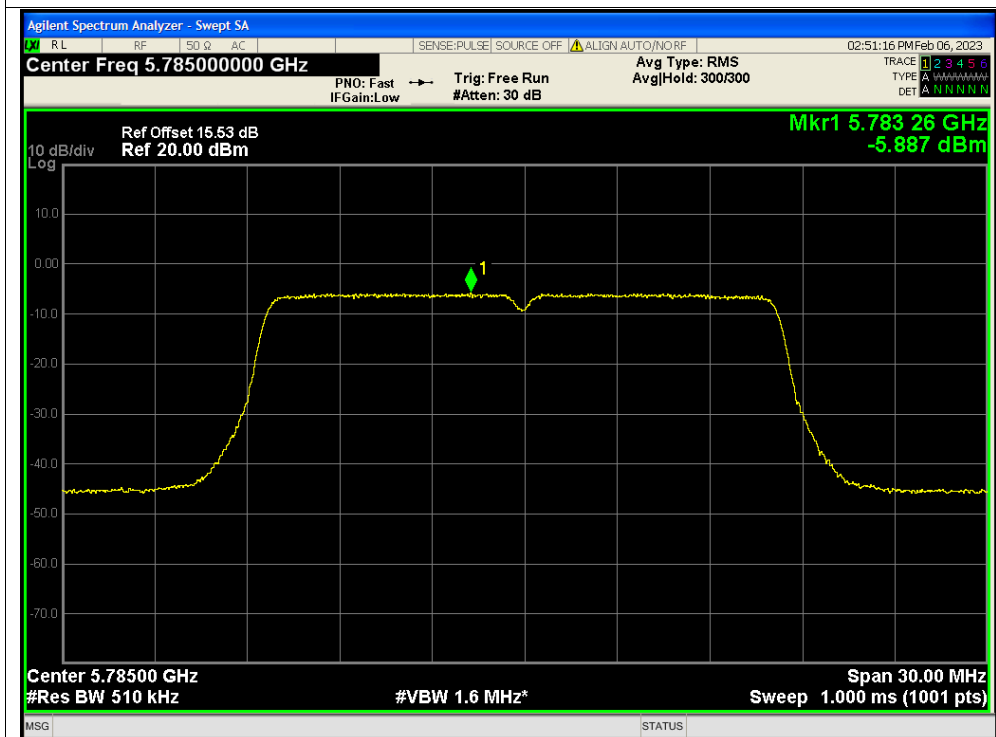




PSD NVNT a 5785MHz Ant1

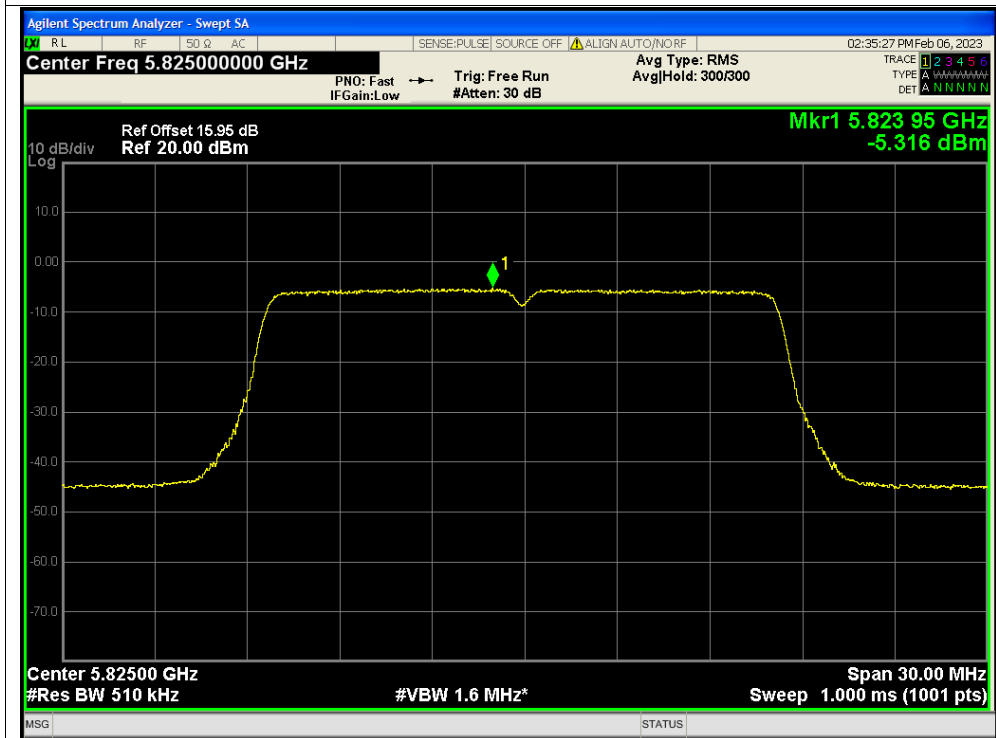


PSD NVNT a 5785MHz Ant2

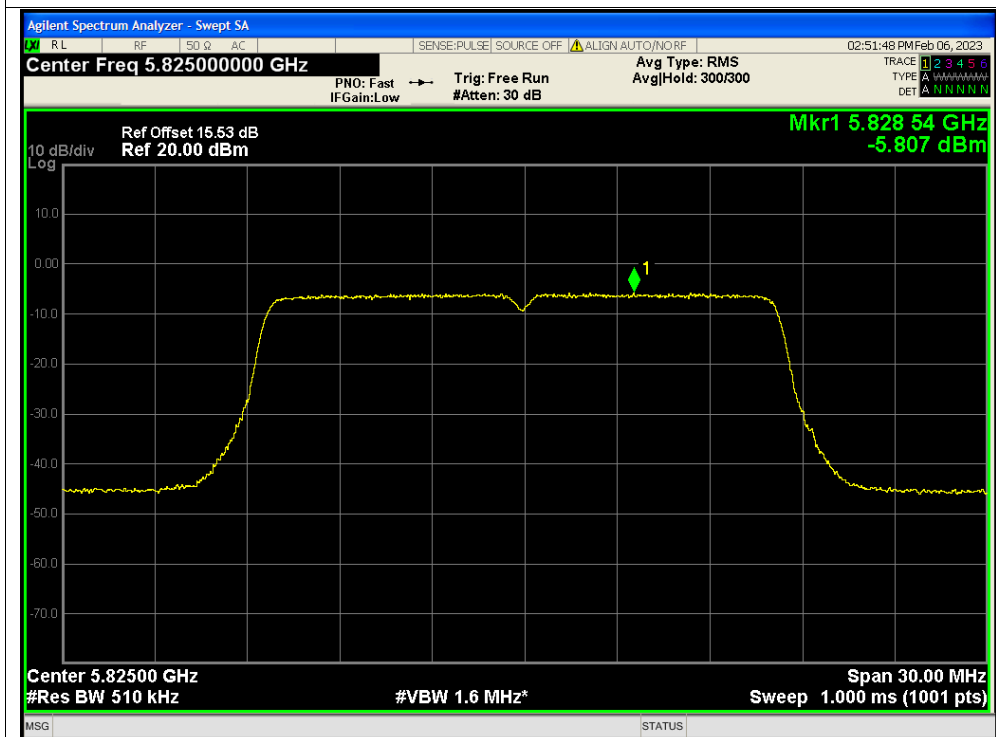




PSD NVNT a 5825MHz Ant1

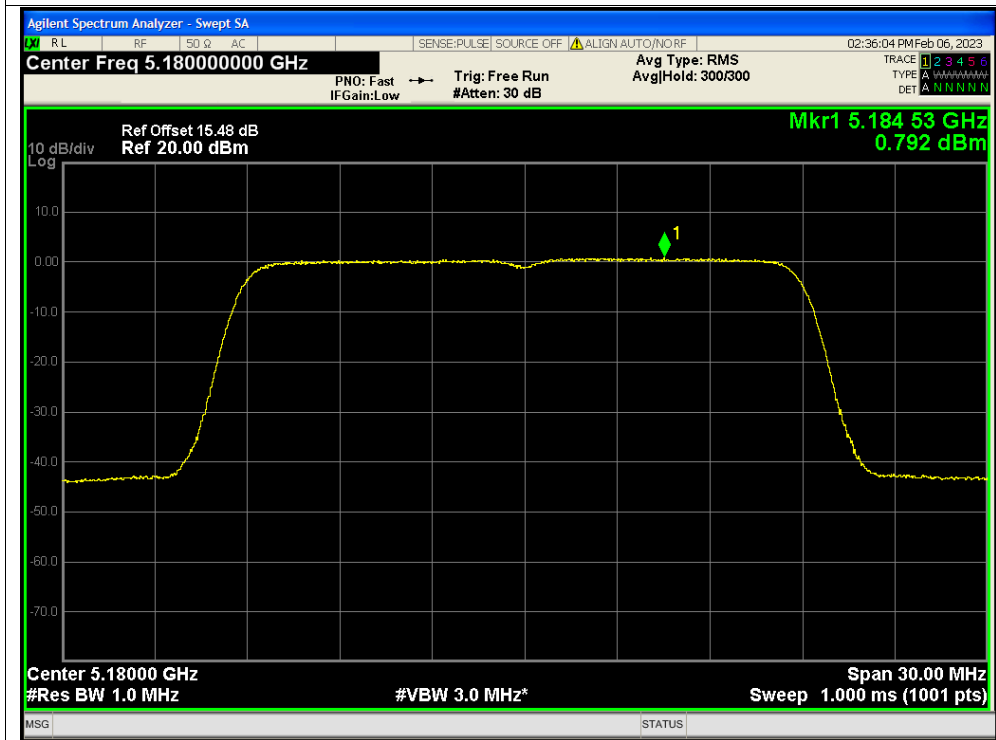


PSD NVNT a 5825MHz Ant2

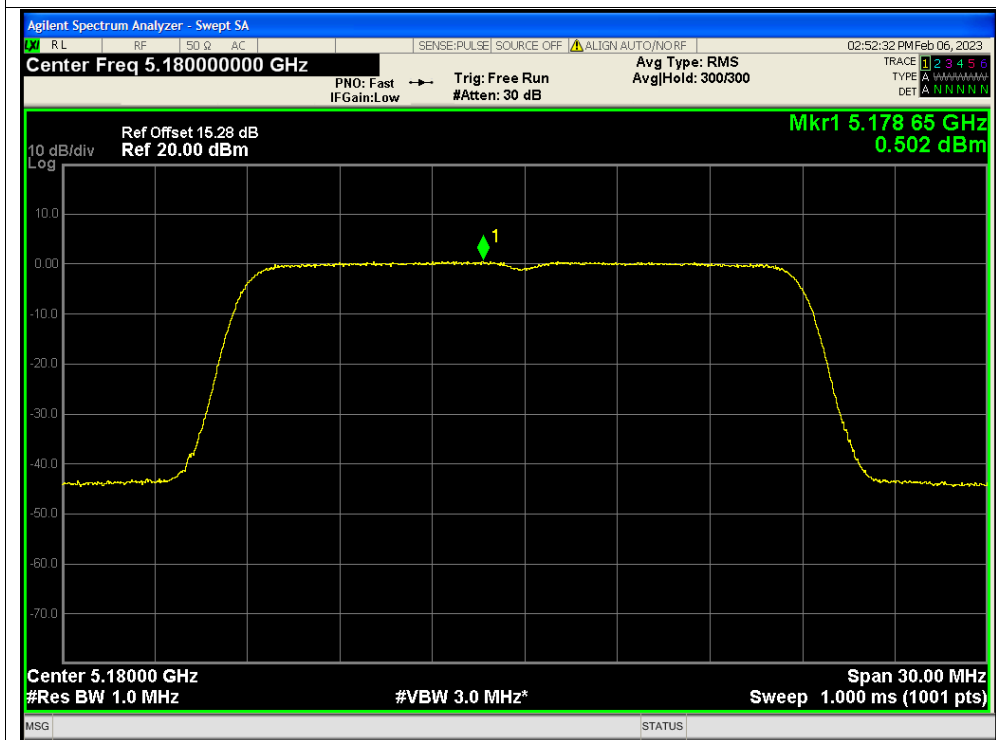




PSD NVNT n20 5180MHz Ant1

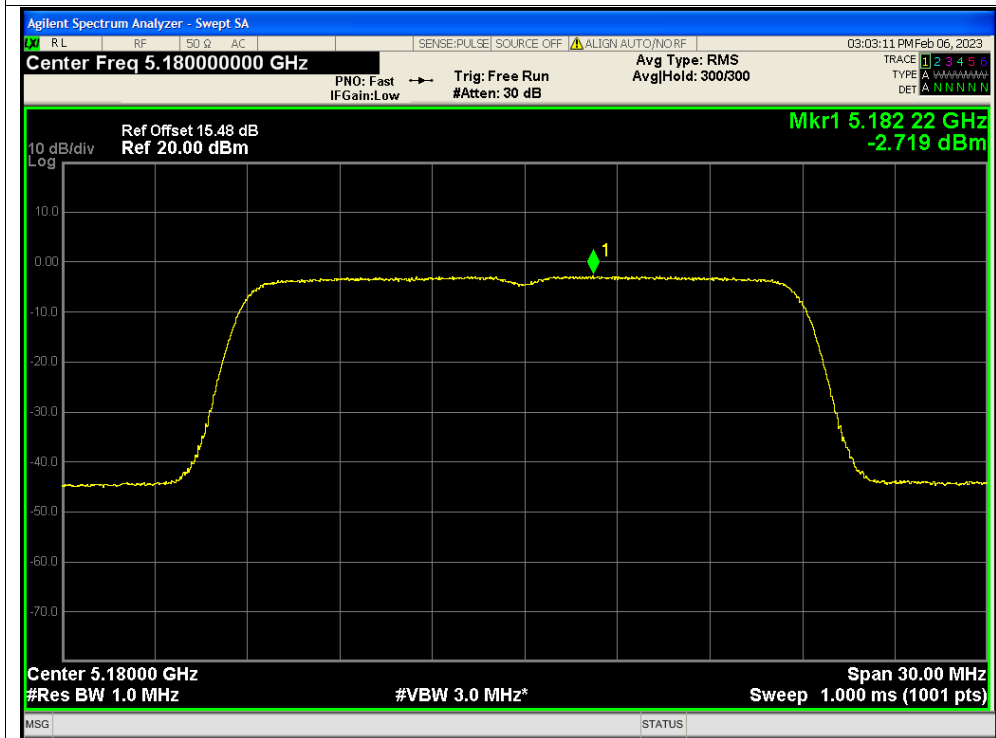


PSD NVNT n20 5180MHz Ant2

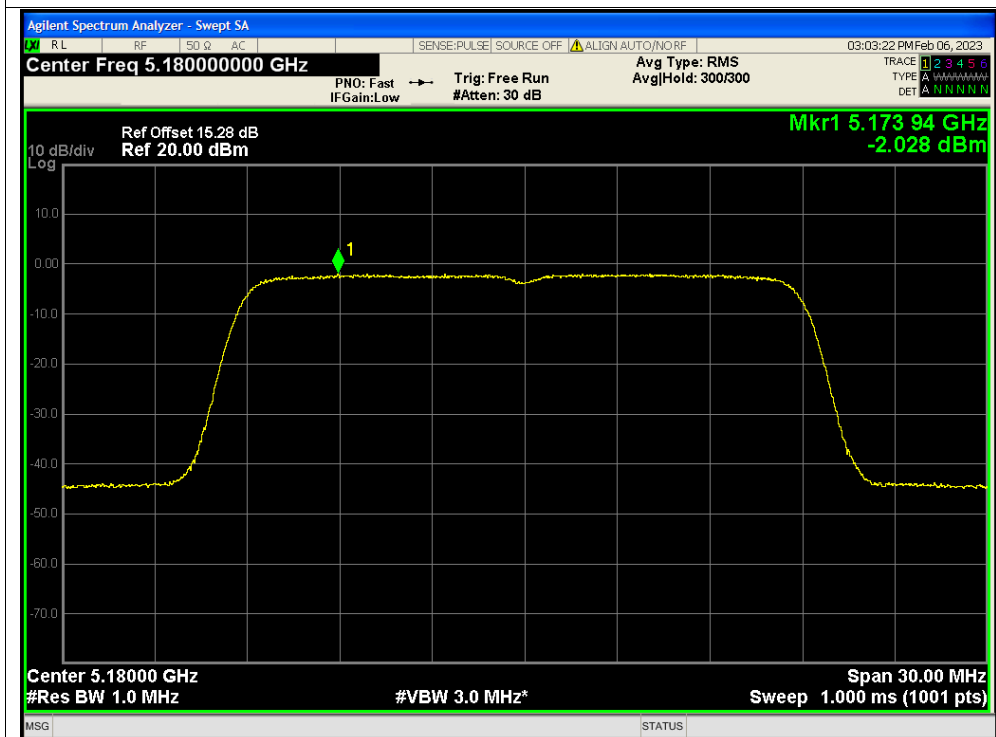




PSD NVNT n20 5180MHz Ant1

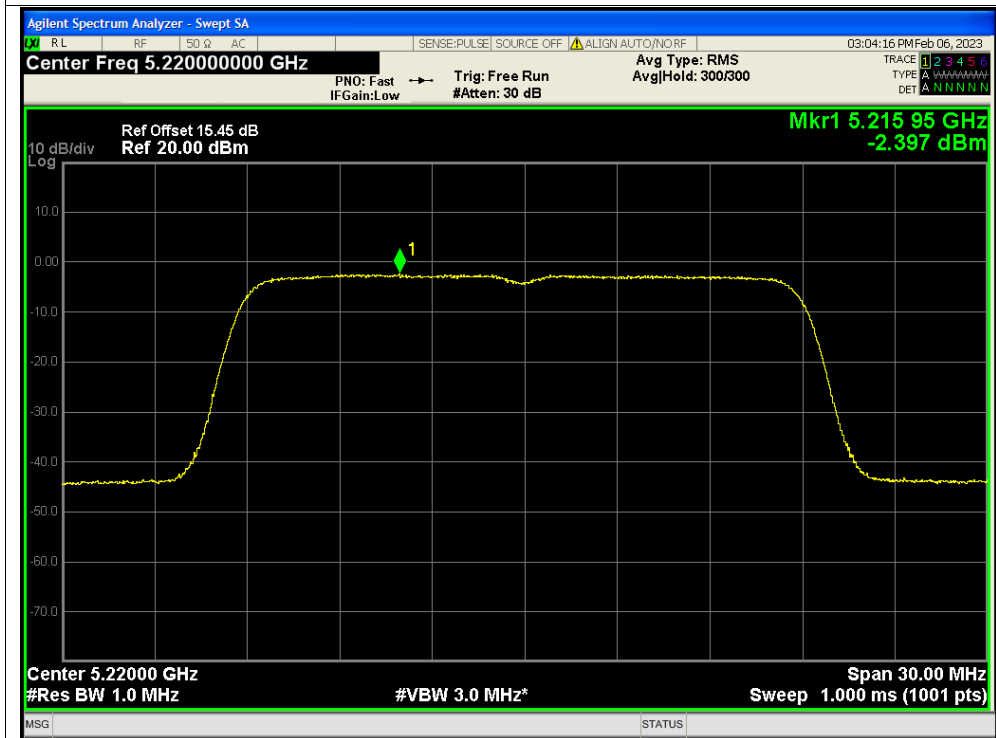


PSD NVNT n20 5180MHz Ant2

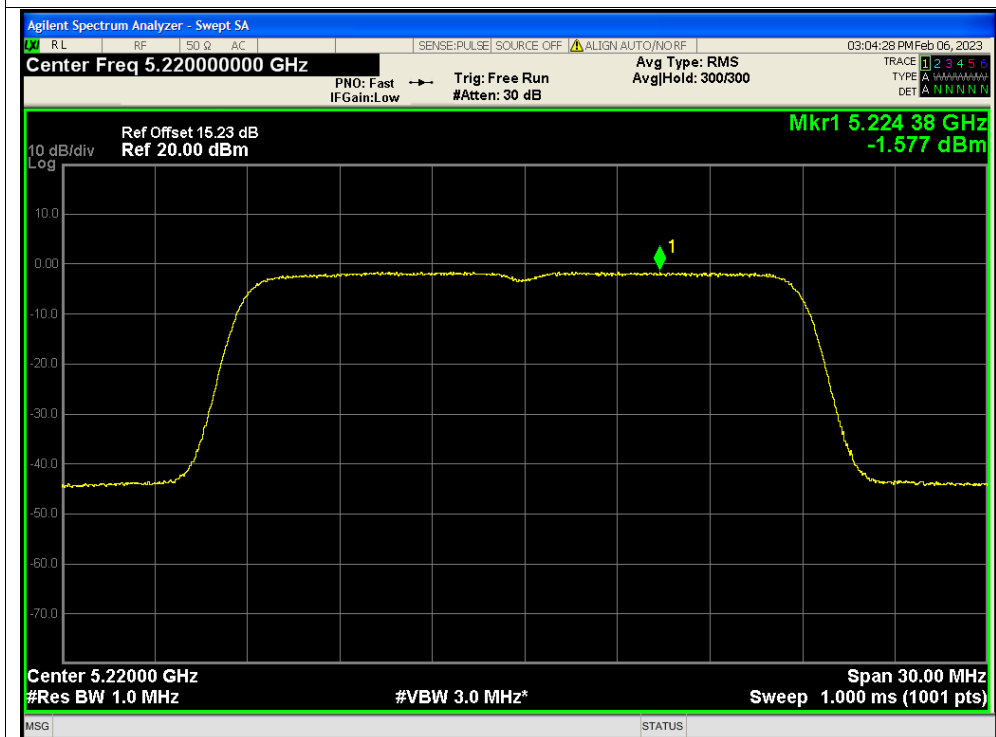




PSD NVNT n20 5220MHz Ant1

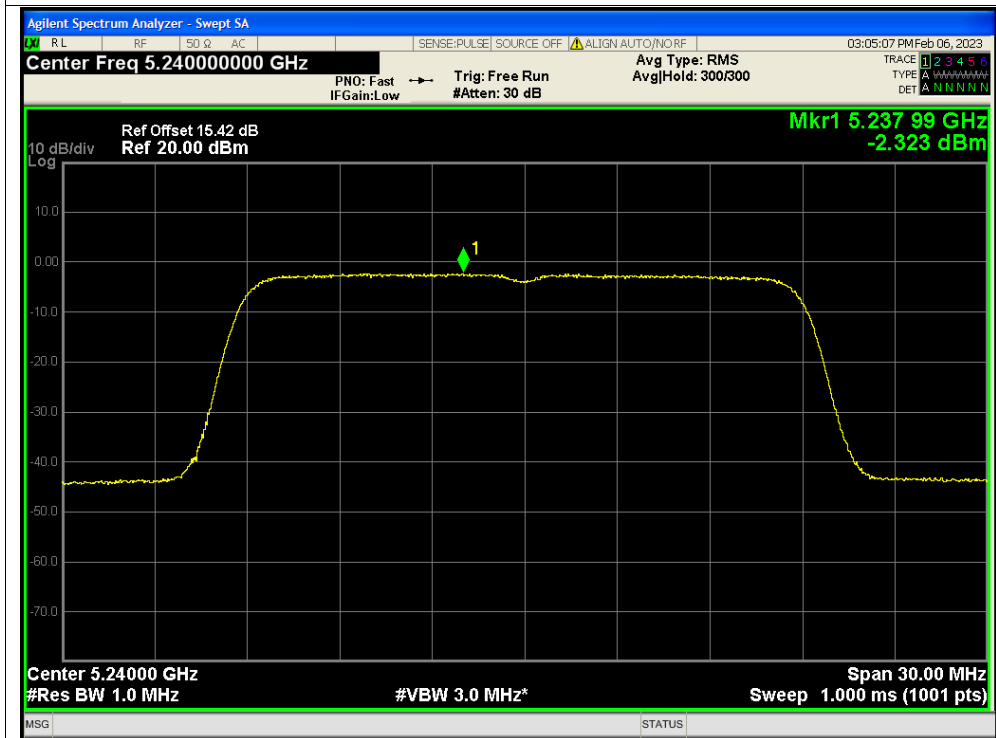


PSD NVNT n20 5220MHz Ant2

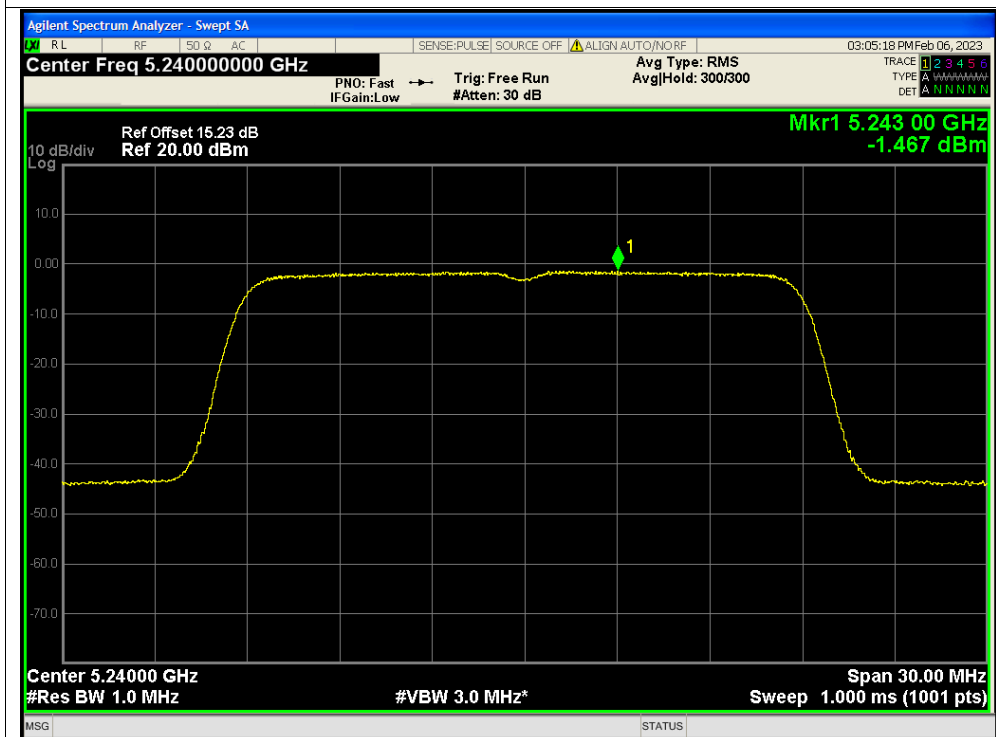




PSD NVNT n20 5240MHz Ant1

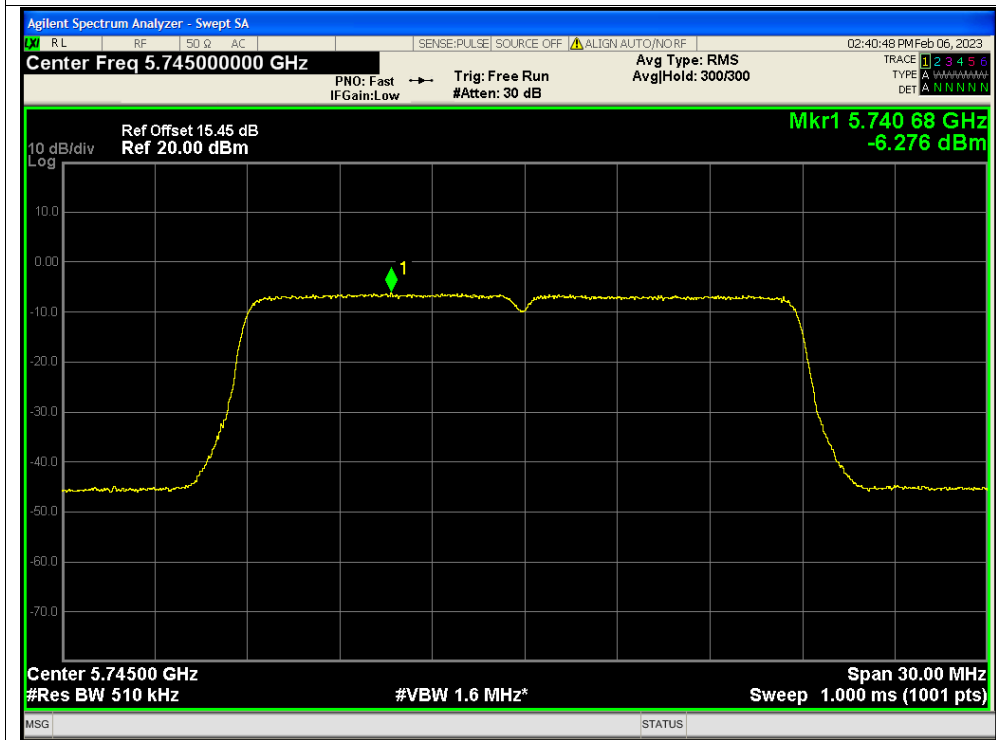


PSD NVNT n20 5240MHz Ant2

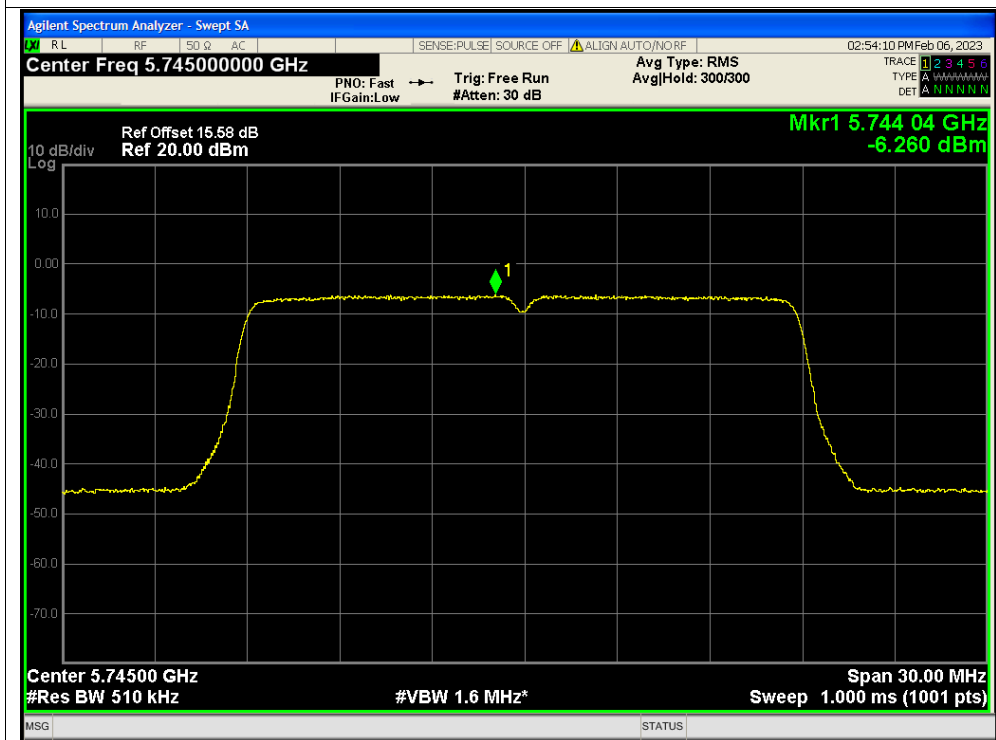




PSD NVNT n20 5745MHz Ant1

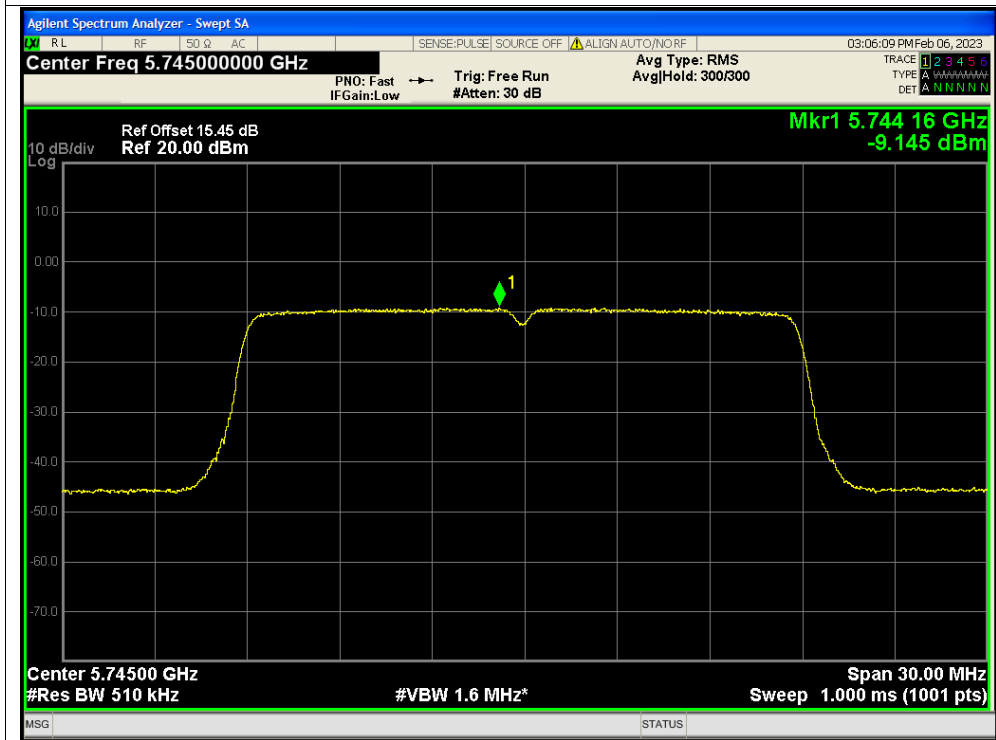


PSD NVNT n20 5745MHz Ant2

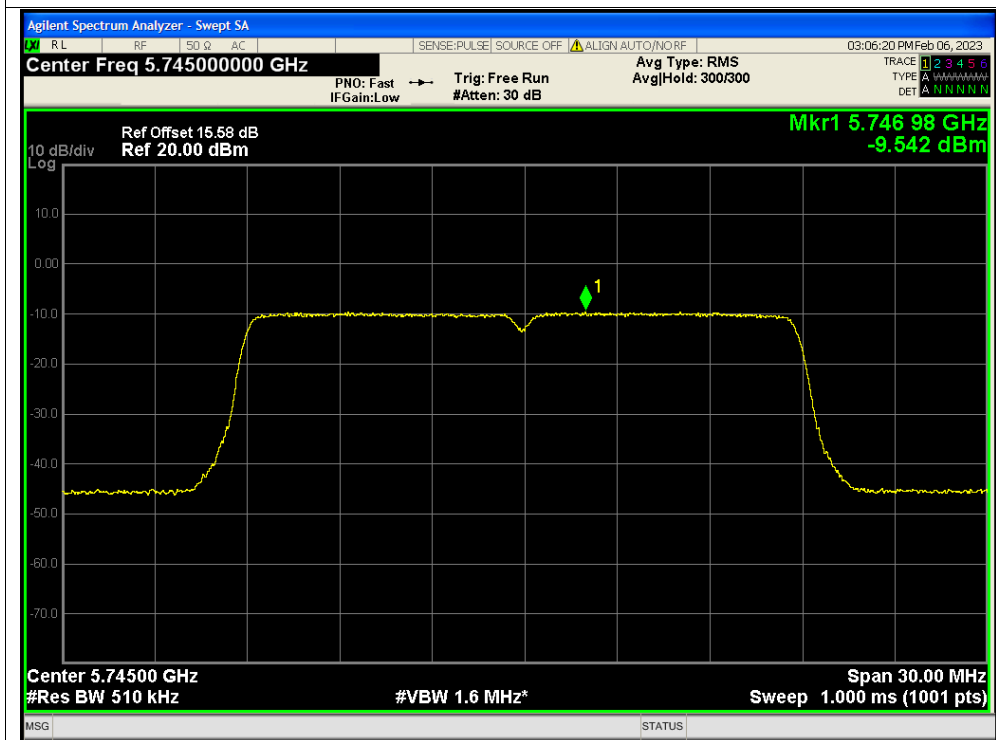




PSD NVNT n20 5745MHz Ant1

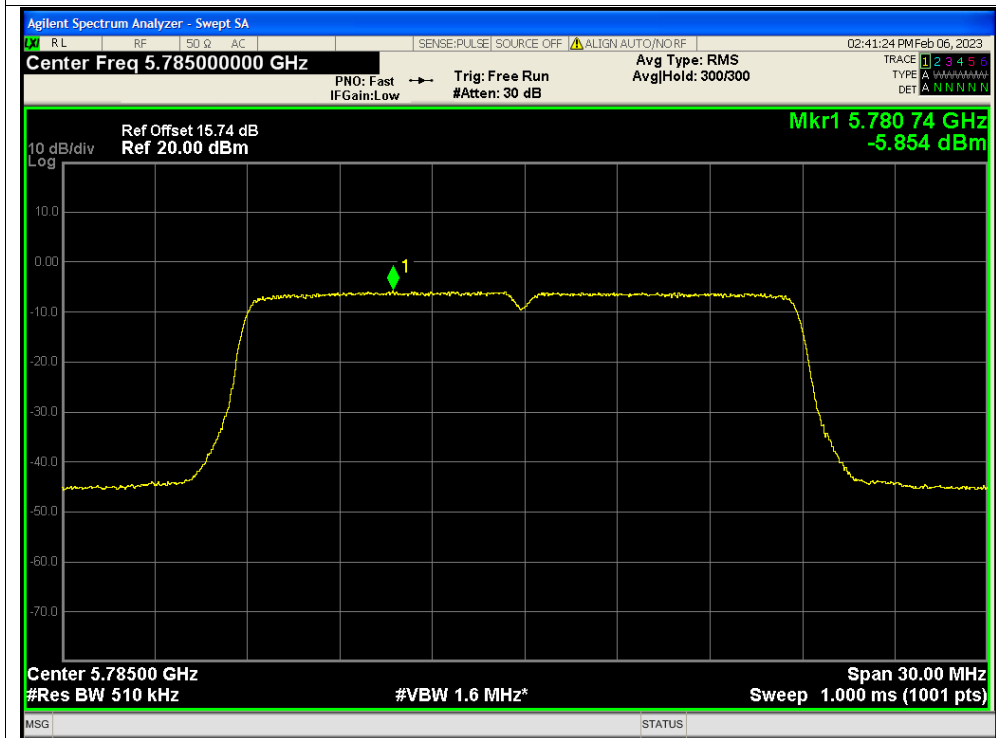


PSD NVNT n20 5745MHz Ant2

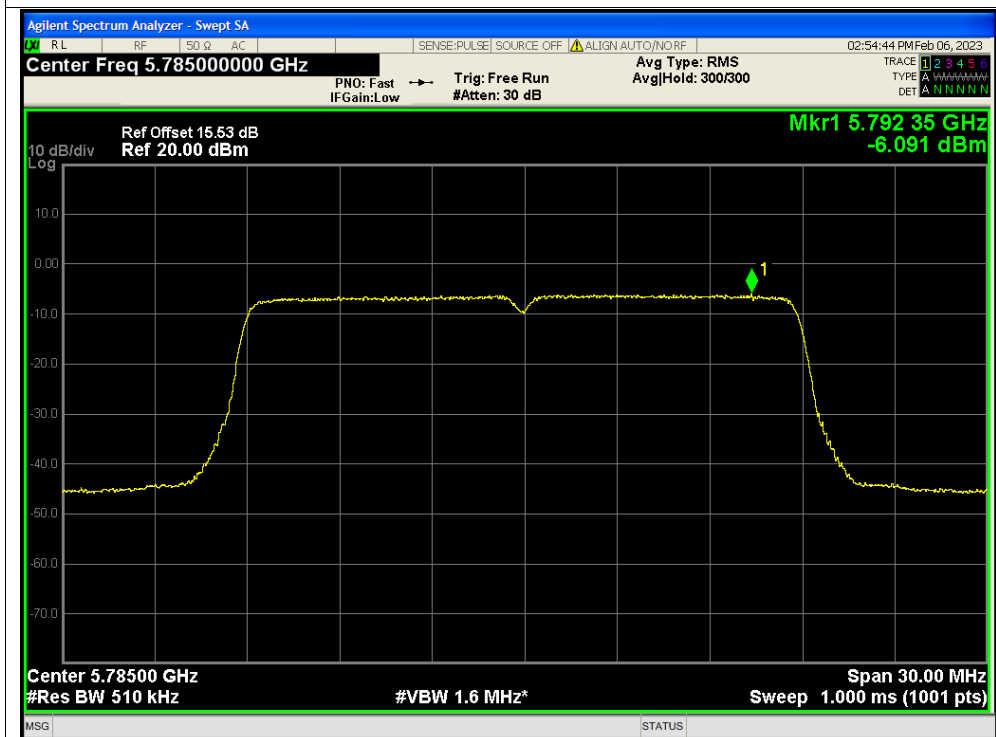




PSD NVNT n20 5785MHz Ant1

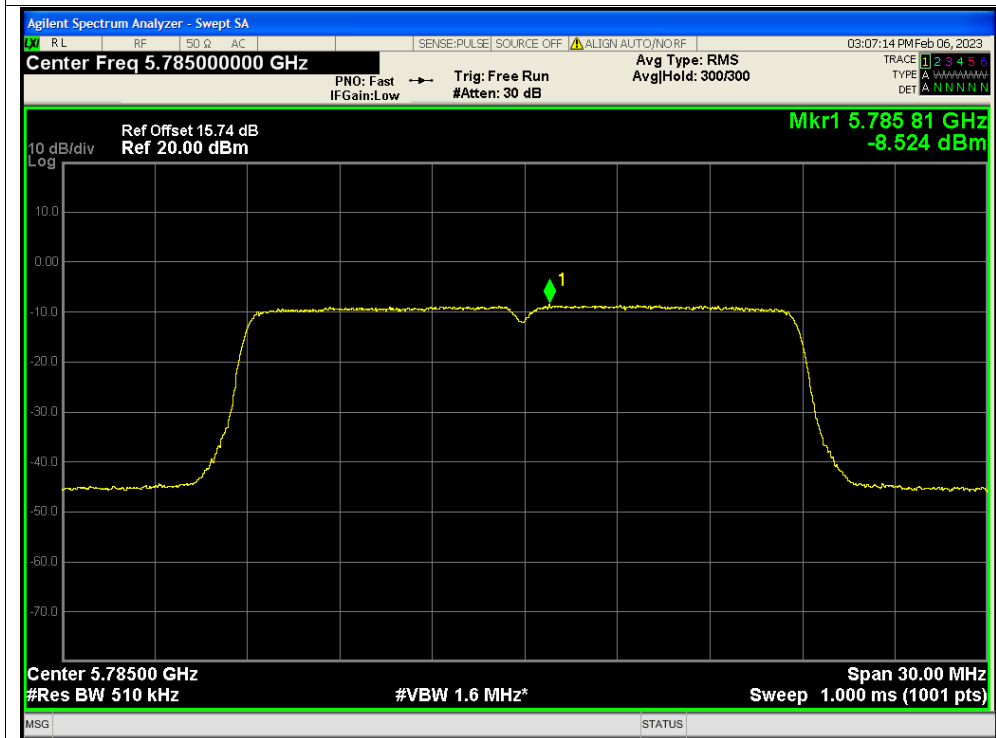


PSD NVNT n20 5785MHz Ant2

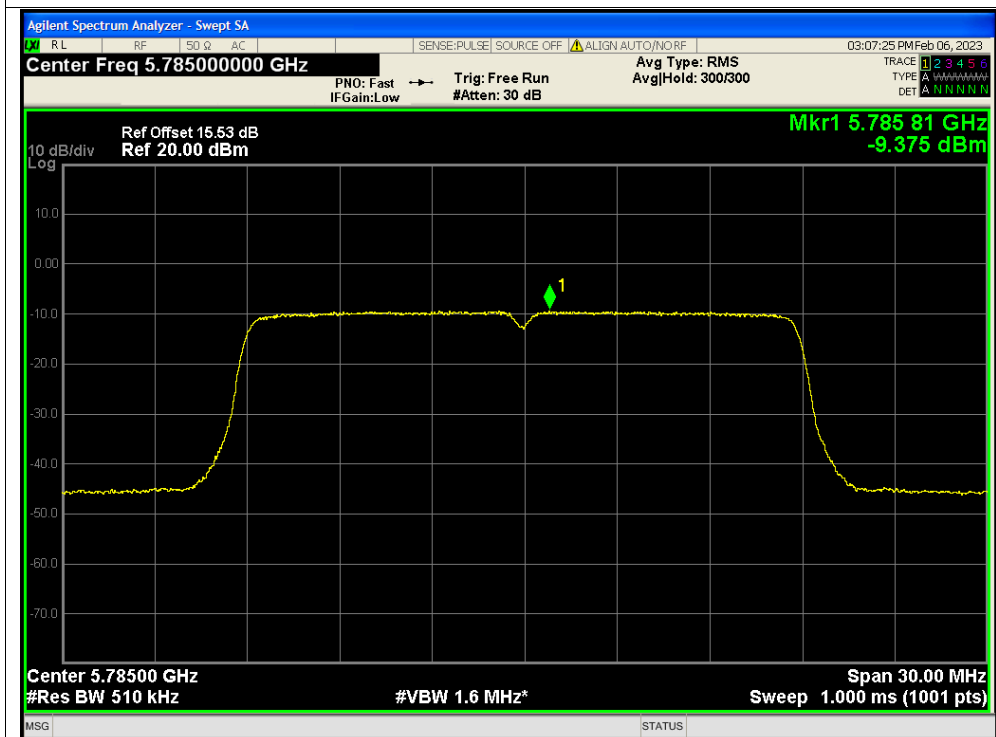




PSD NVNT n20 5785MHz Ant1

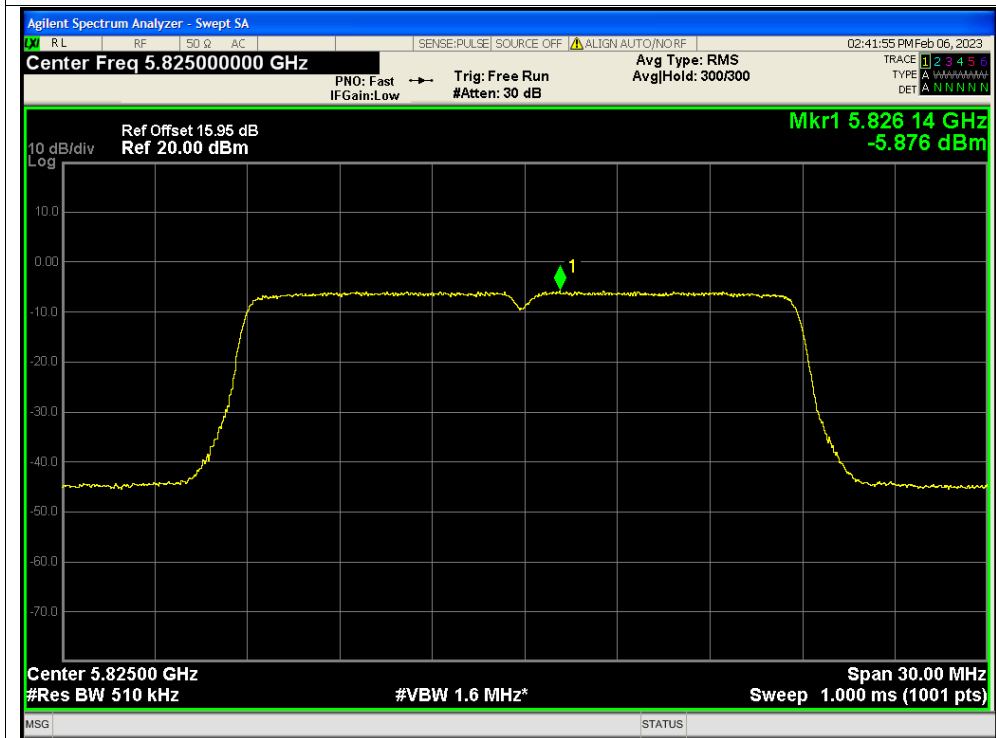


PSD NVNT n20 5785MHz Ant2





PSD NVNT n20 5825MHz Ant1

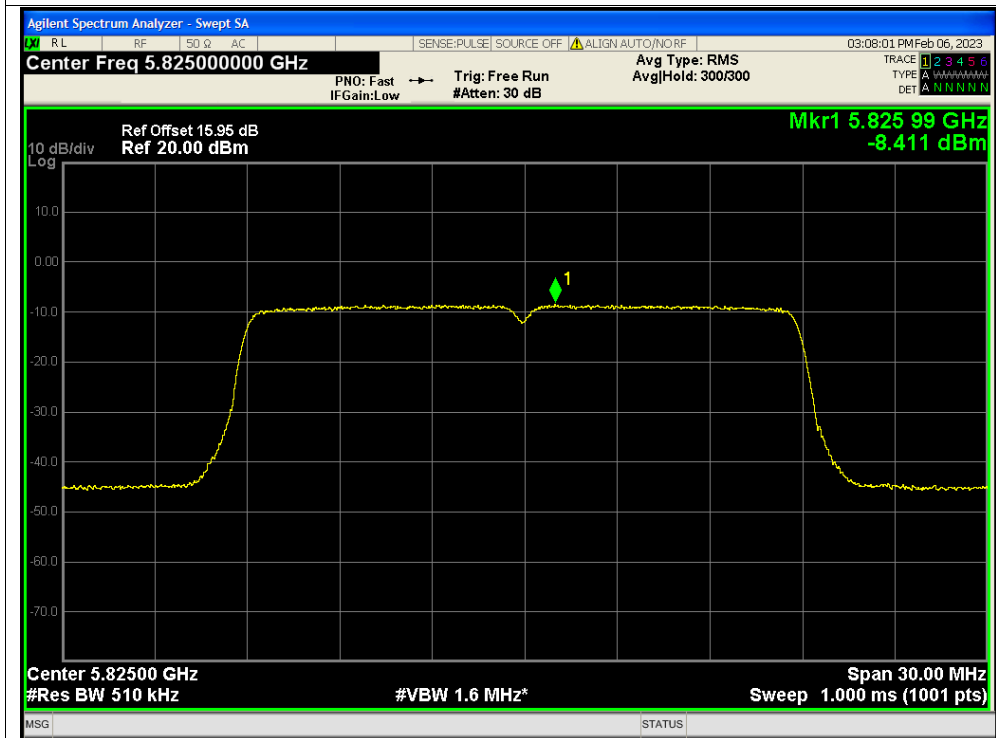


PSD NVNT n20 5825MHz Ant2

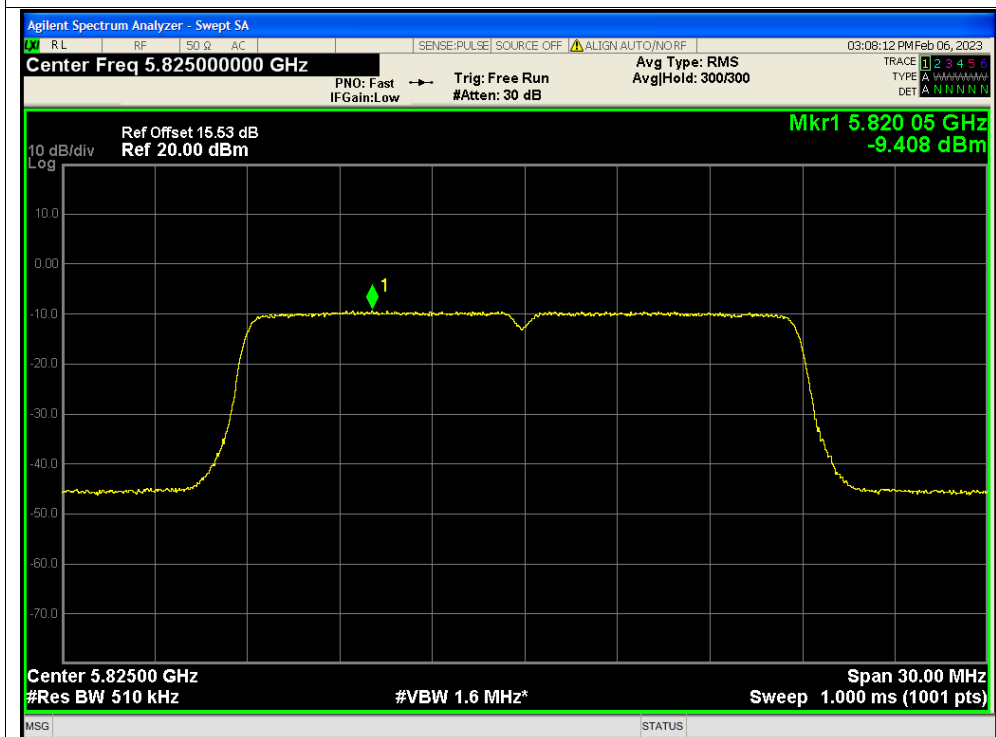




PSD NVNT n20 5825MHz Ant1

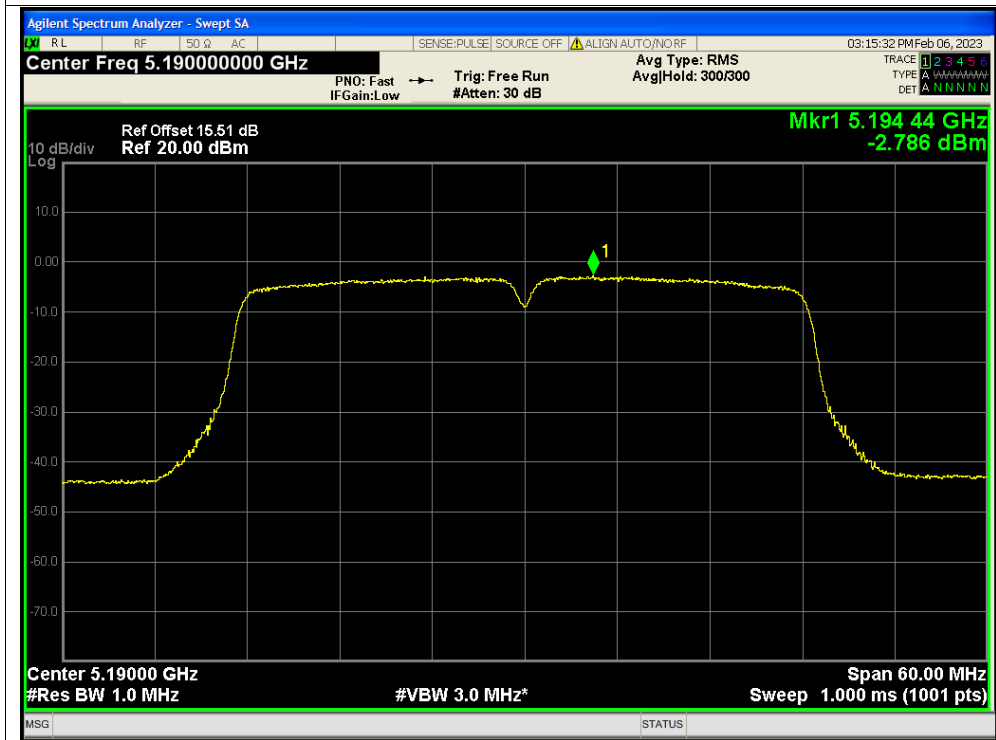


PSD NVNT n20 5825MHz Ant2

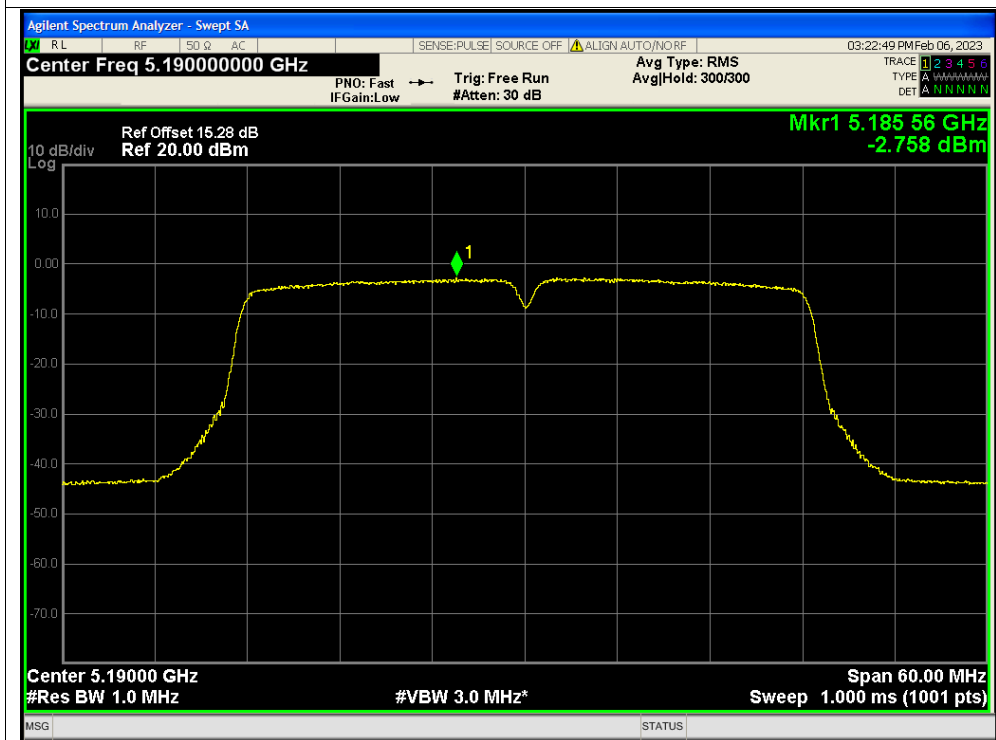




PSD NVNT n40 5190MHz Ant1

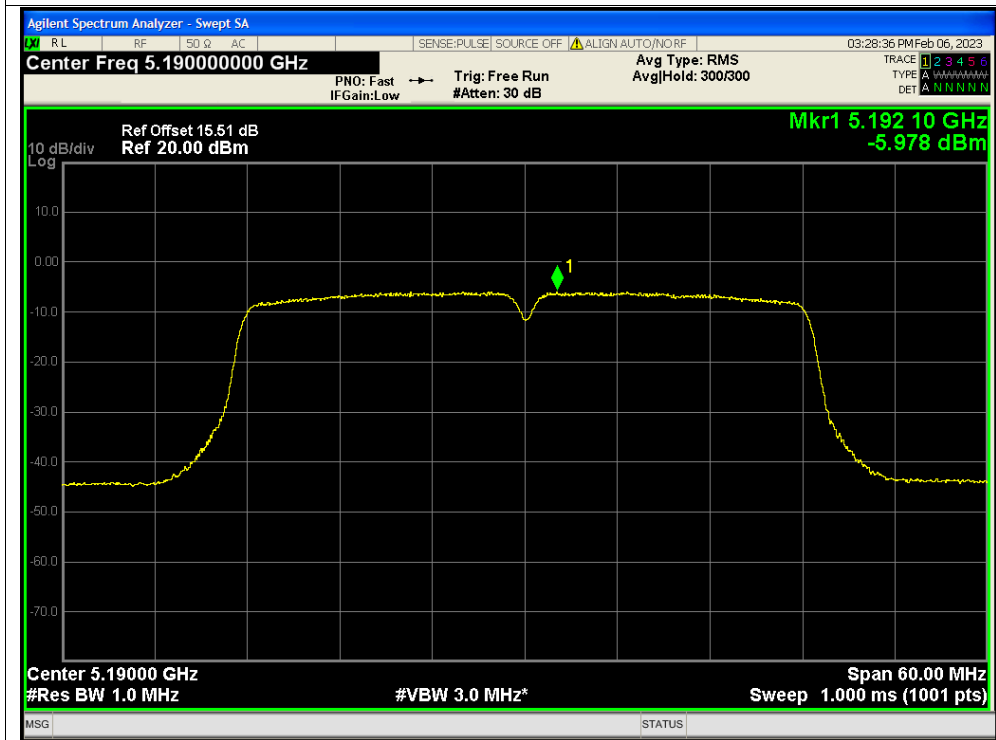


PSD NVNT n40 5190MHz Ant2





PSD NVNT n40 5190MHz Ant1

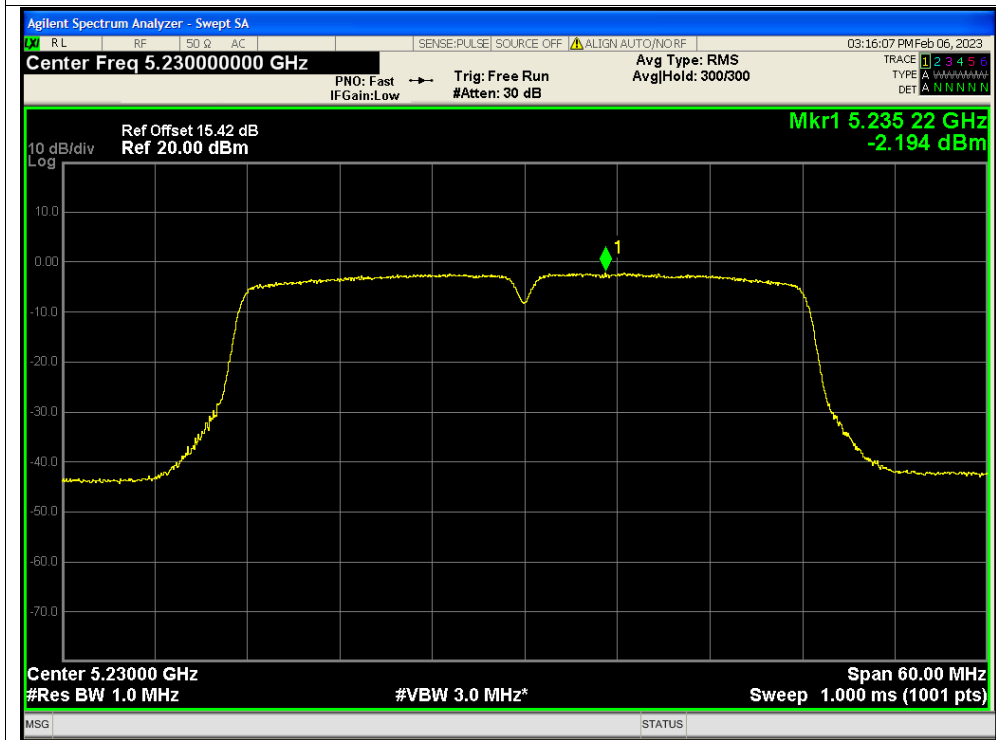


PSD NVNT n40 5190MHz Ant2

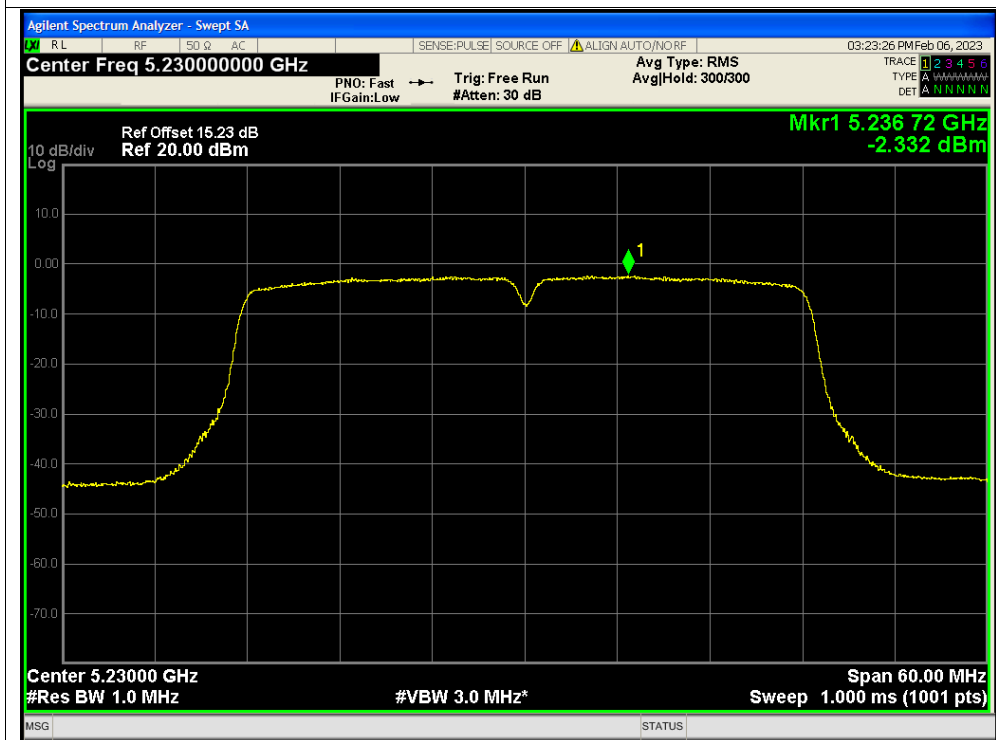




PSD NVNT n40 5230MHz Ant1

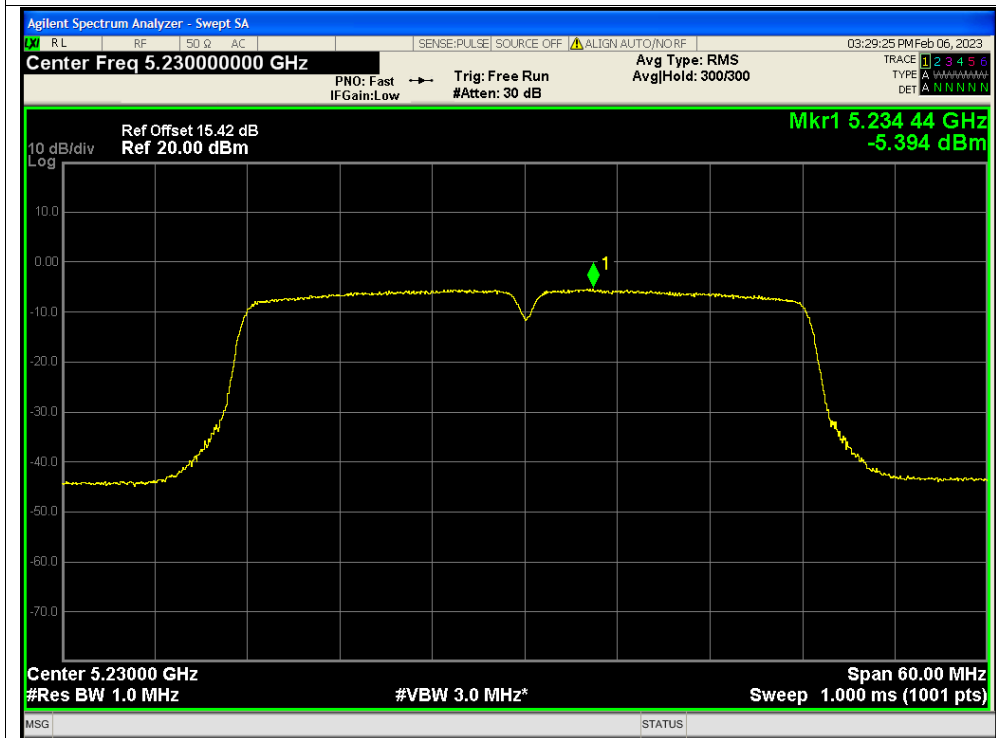


PSD NVNT n40 5230MHz Ant2





PSD NVNT n40 5230MHz Ant1

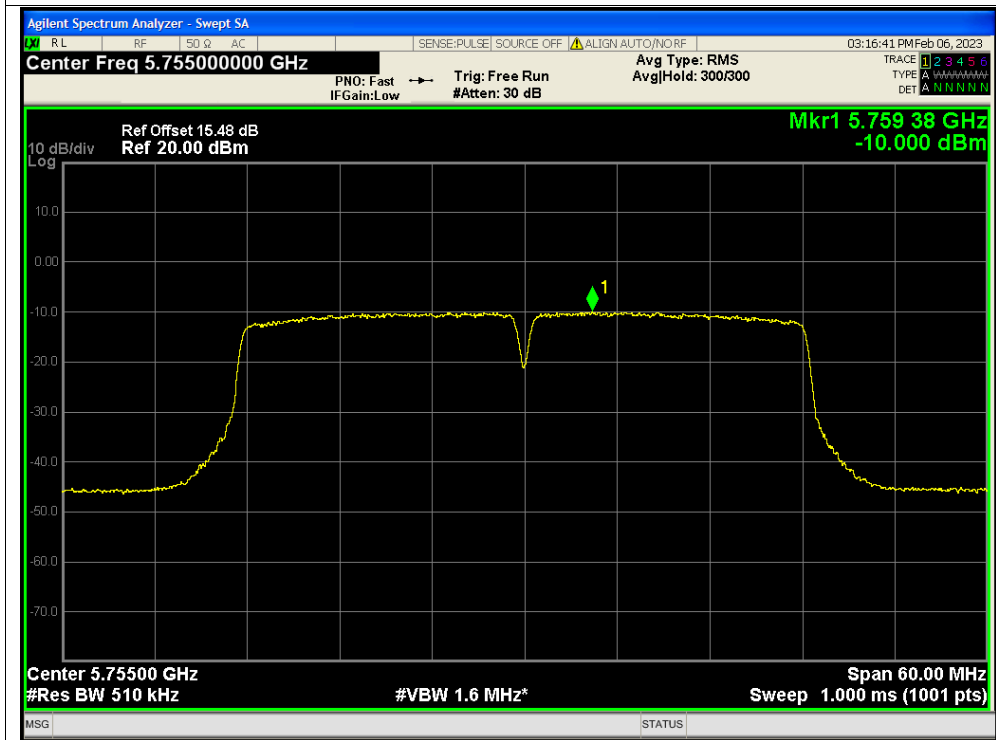


PSD NVNT n40 5230MHz Ant2

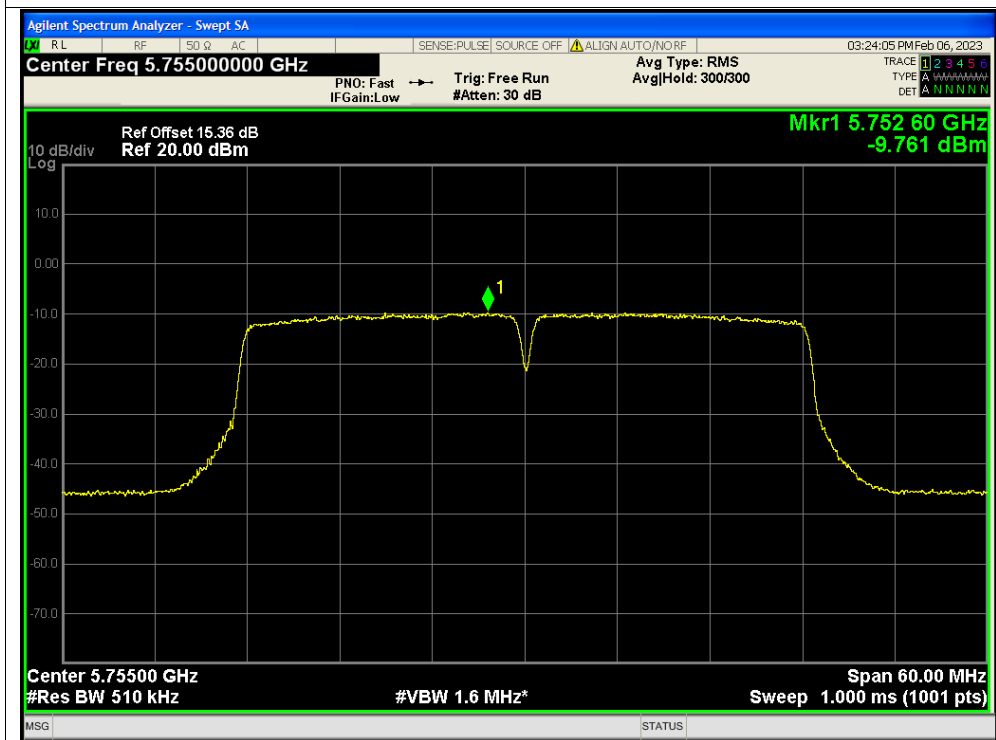




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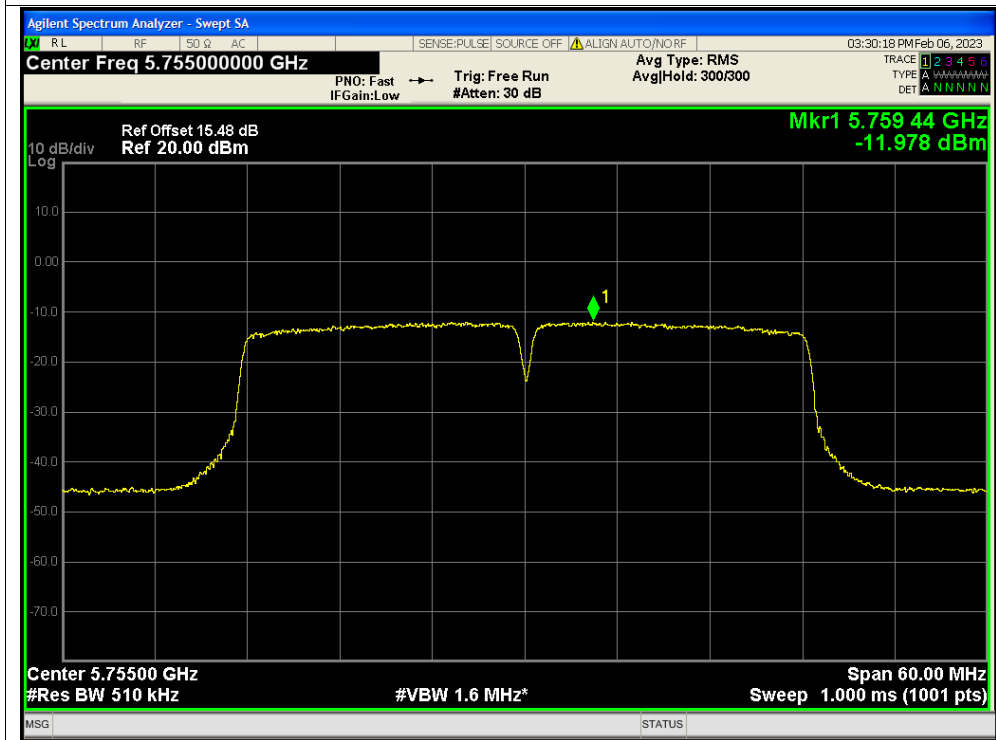


PSD NVNT n40 5755MHz Ant2

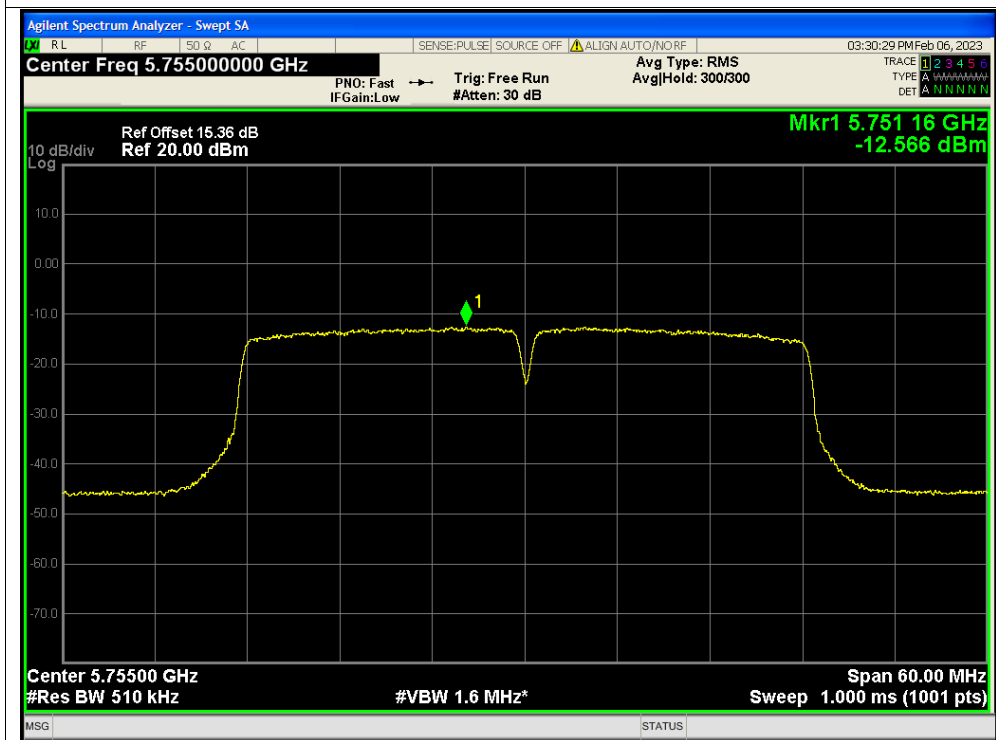




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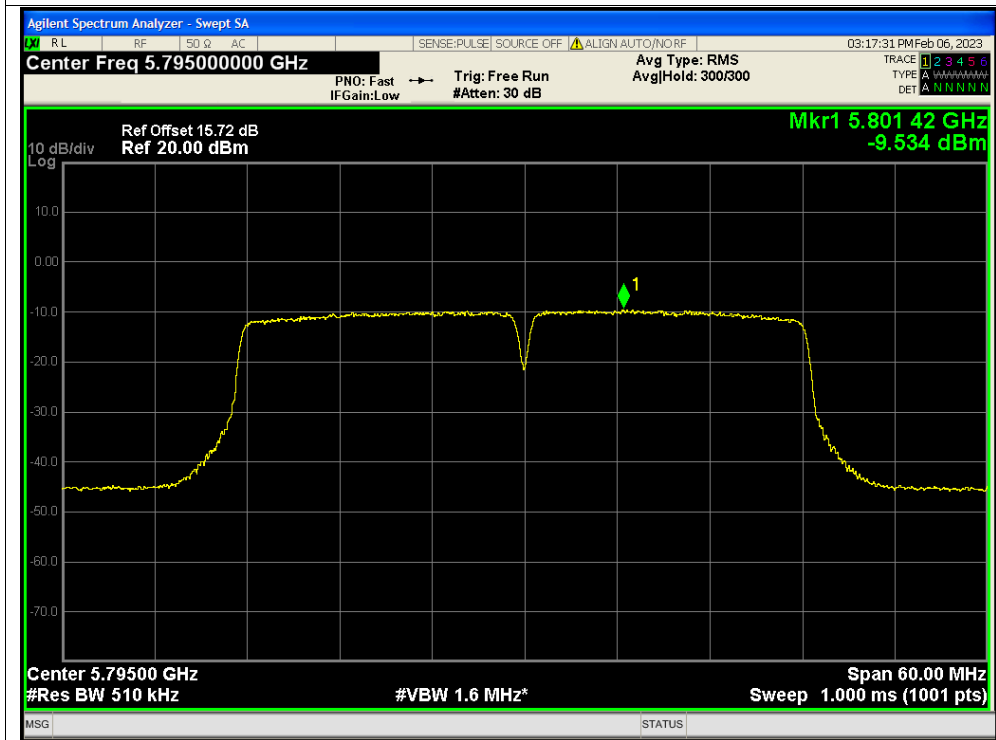


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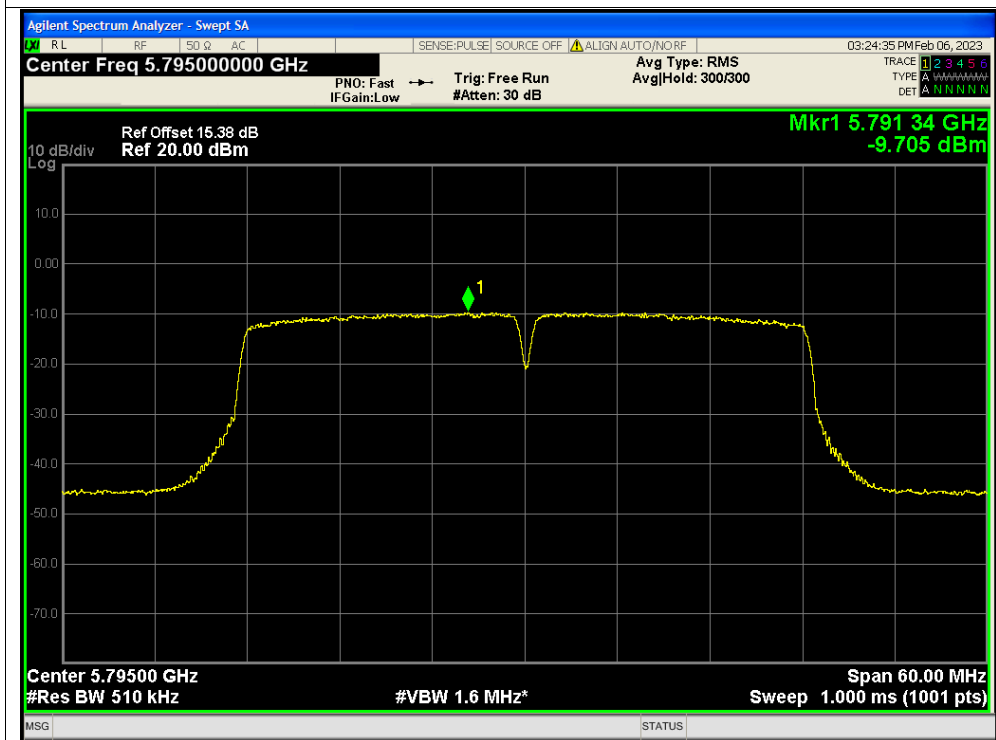




PSD NVNT n40 5795MHz Ant1

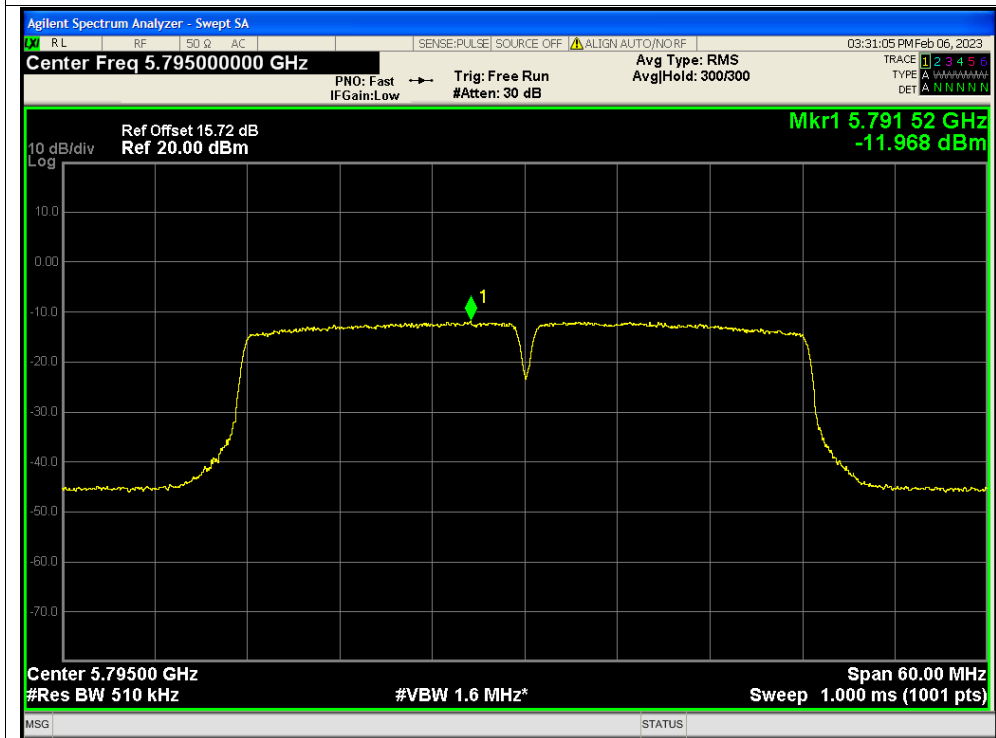


PSD NVNT n40 5795MHz Ant2

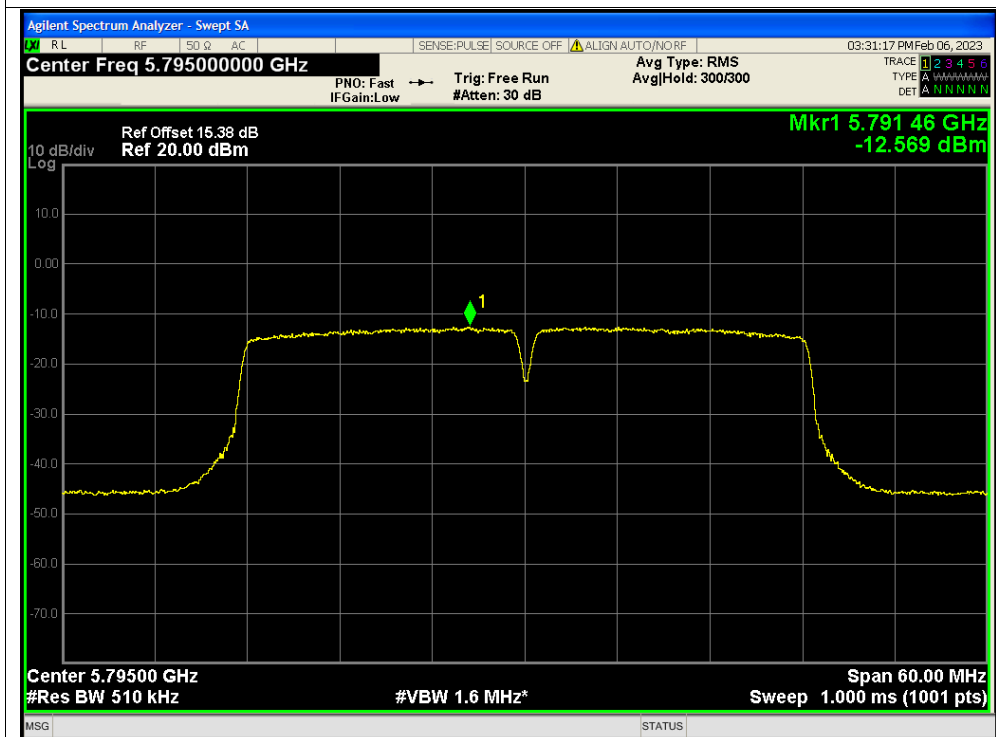




PSD NVNT n40 5795MHz Ant1

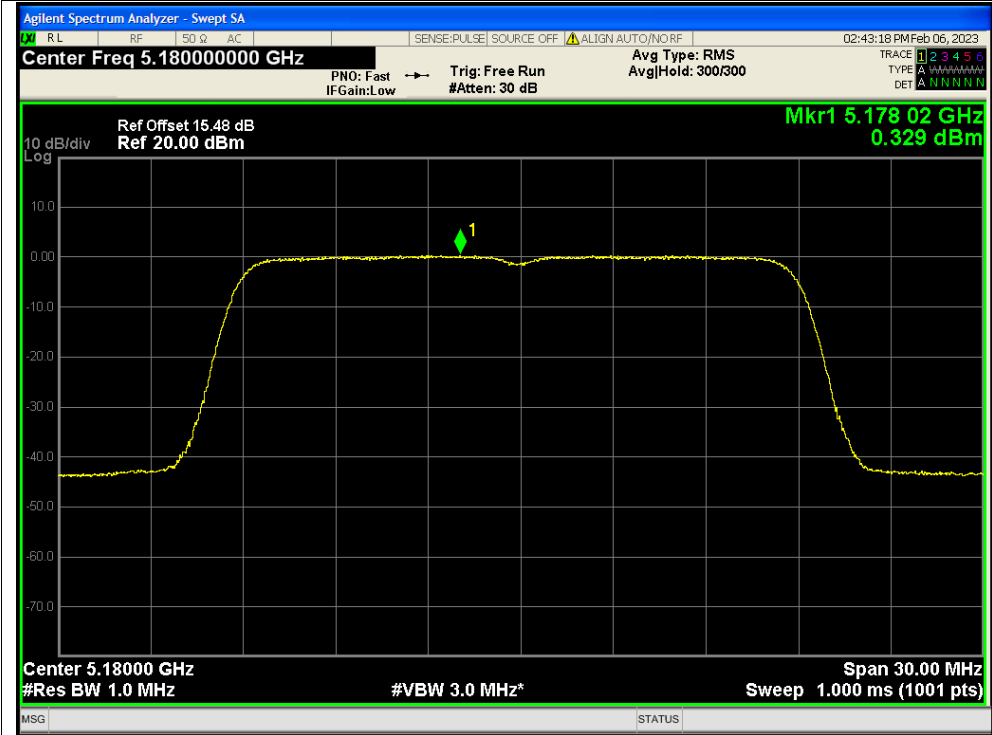


PSD NVNT n40 5795MHz Ant2

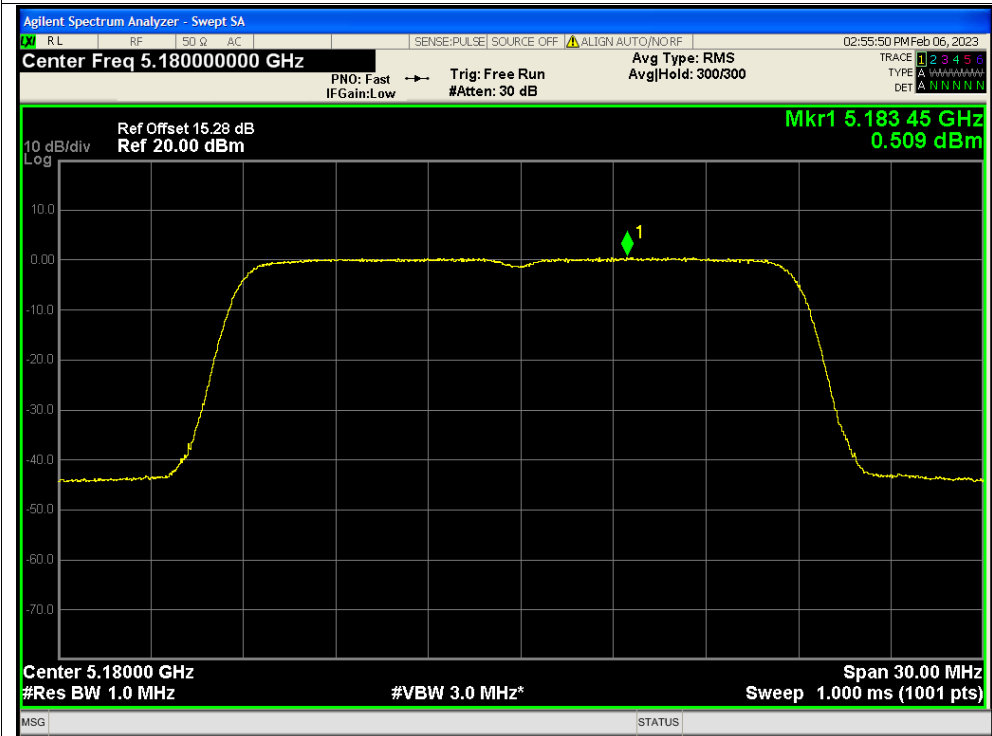




PSD NVNT ac20 5180MHz Ant1

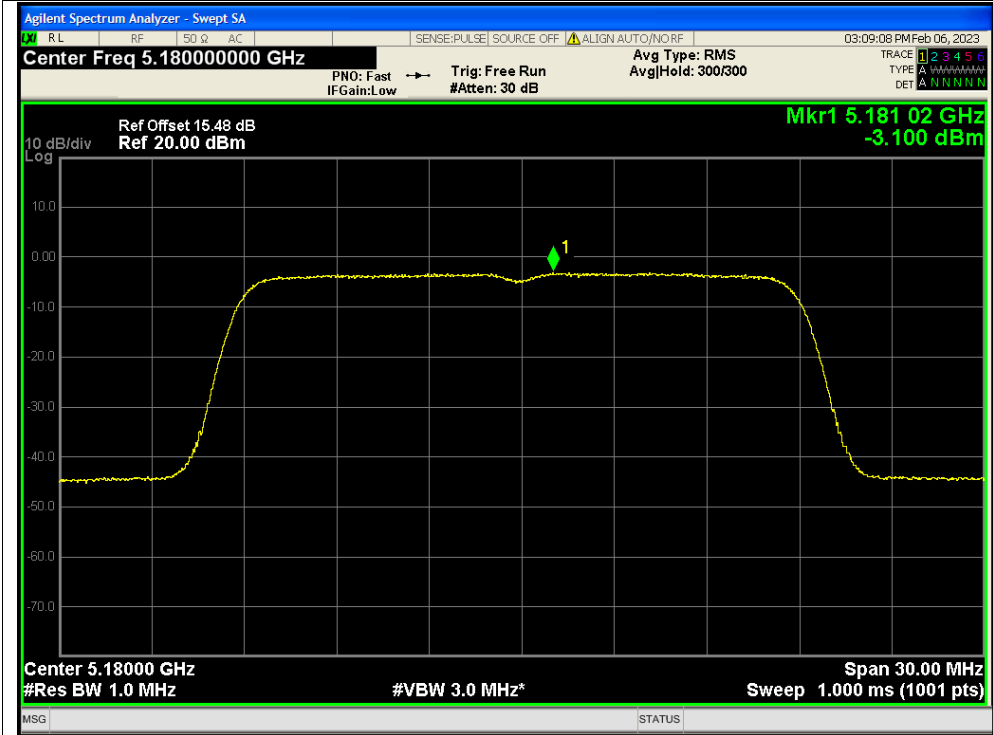


PSD NVNT ac20 5180MHz Ant2

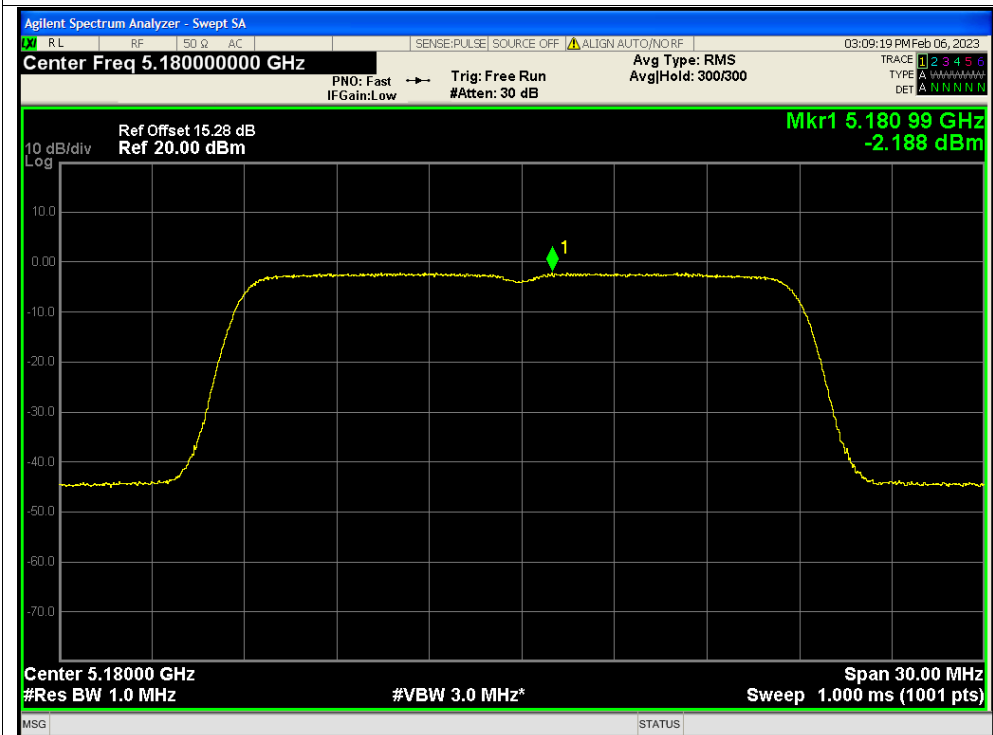




PSD NVNT ac20 5180MHz Ant1

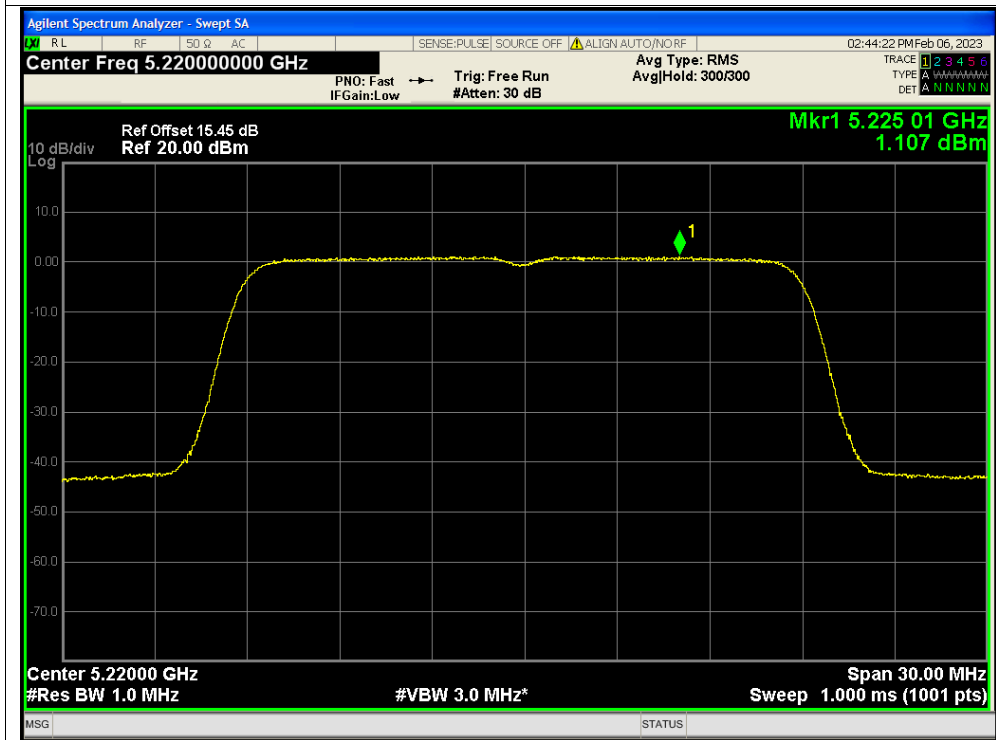


PSD NVNT ac20 5180MHz Ant2

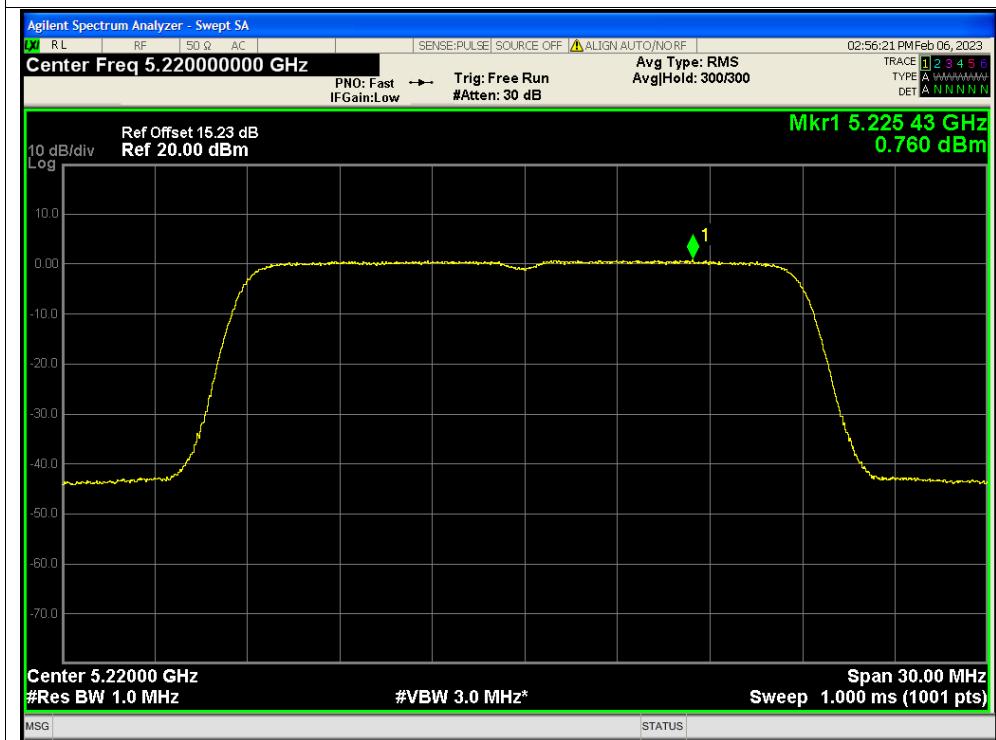




PSD NVNT ac20 5220MHz Ant1

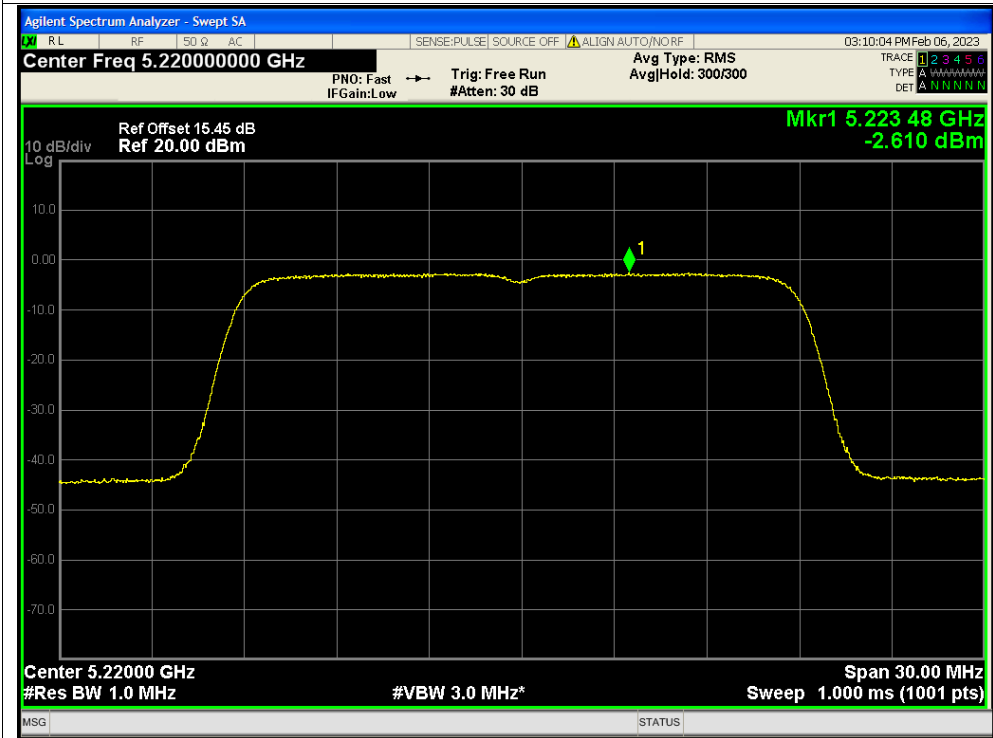


PSD NVNT ac20 5220MHz Ant2

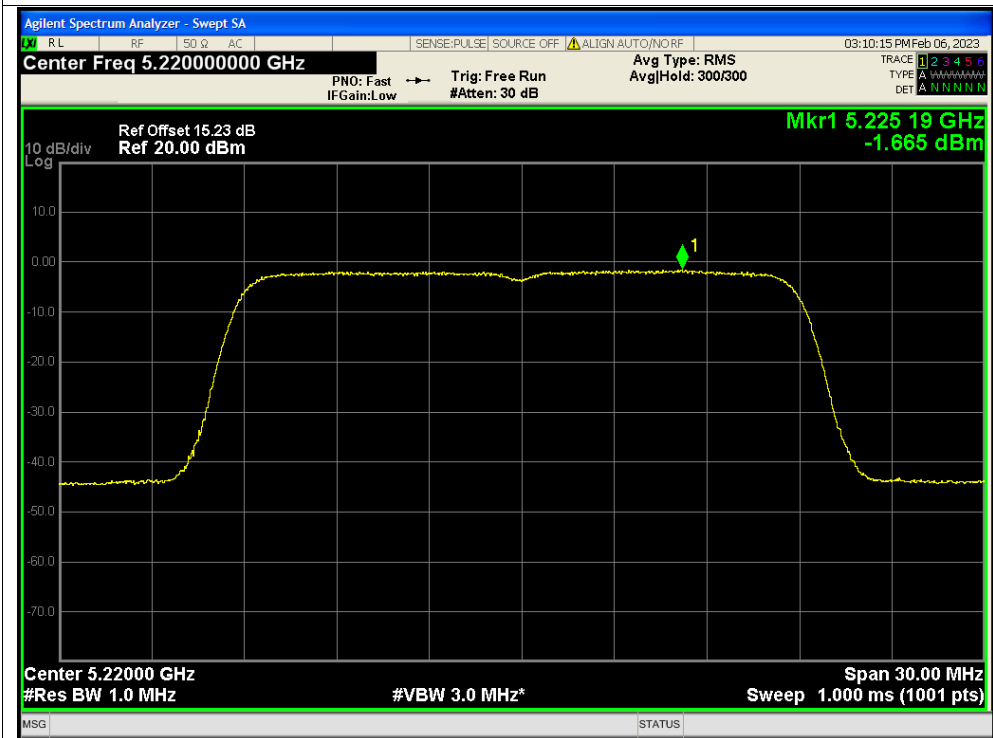




PSD NVNT ac20 5220MHz Ant1

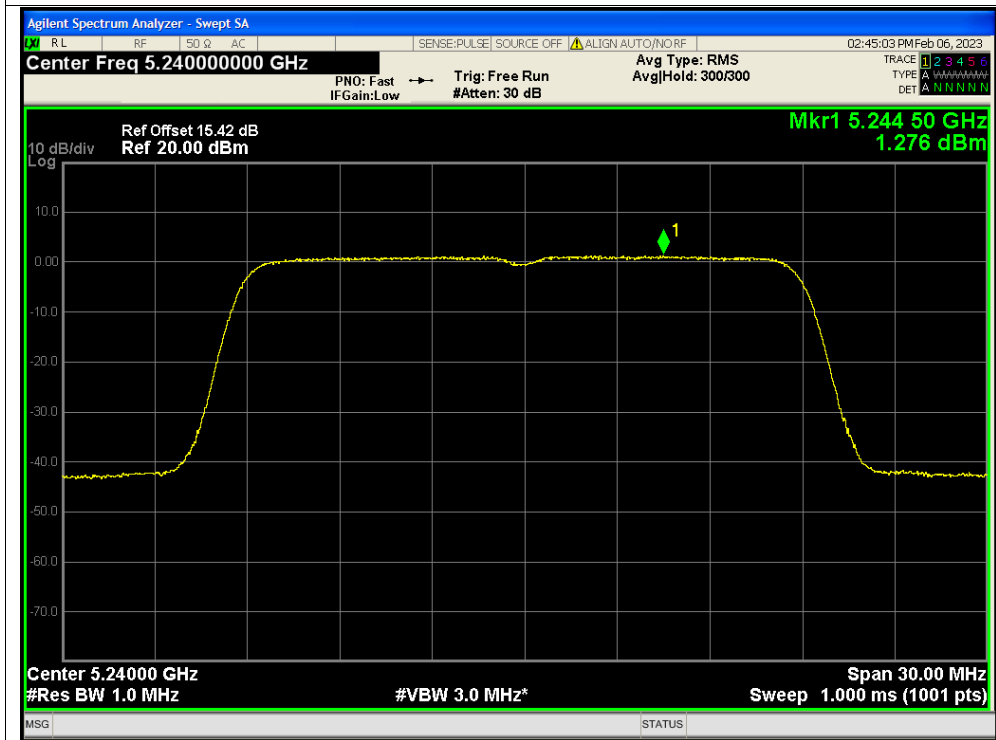


PSD NVNT ac20 5220MHz Ant2

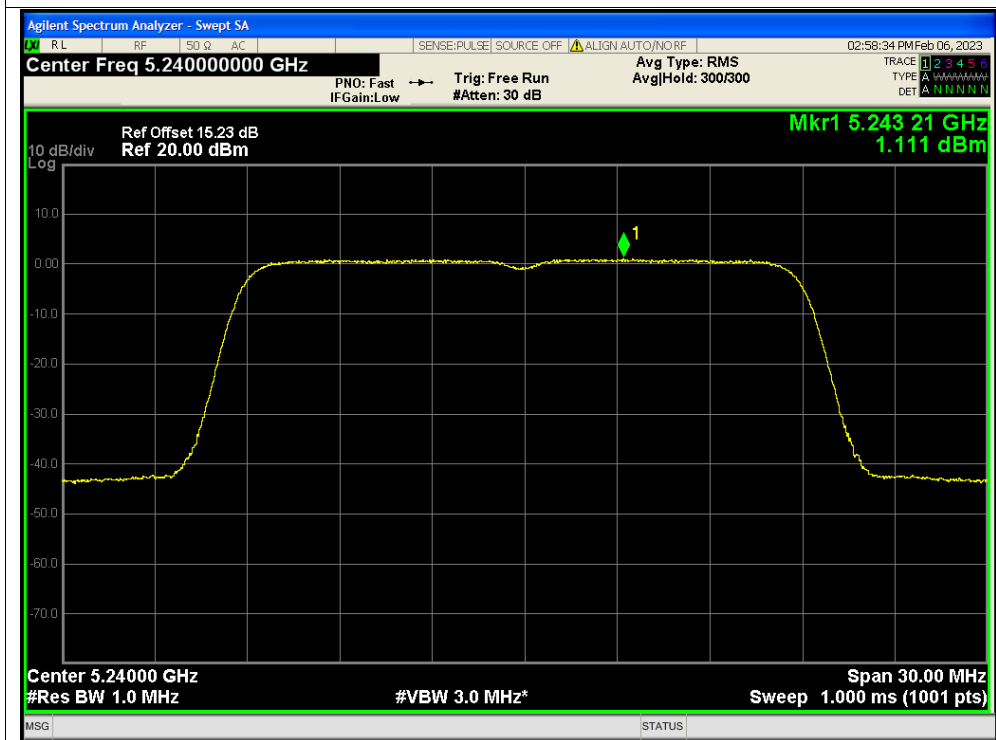




PSD NVNT ac20 5240MHz Ant1

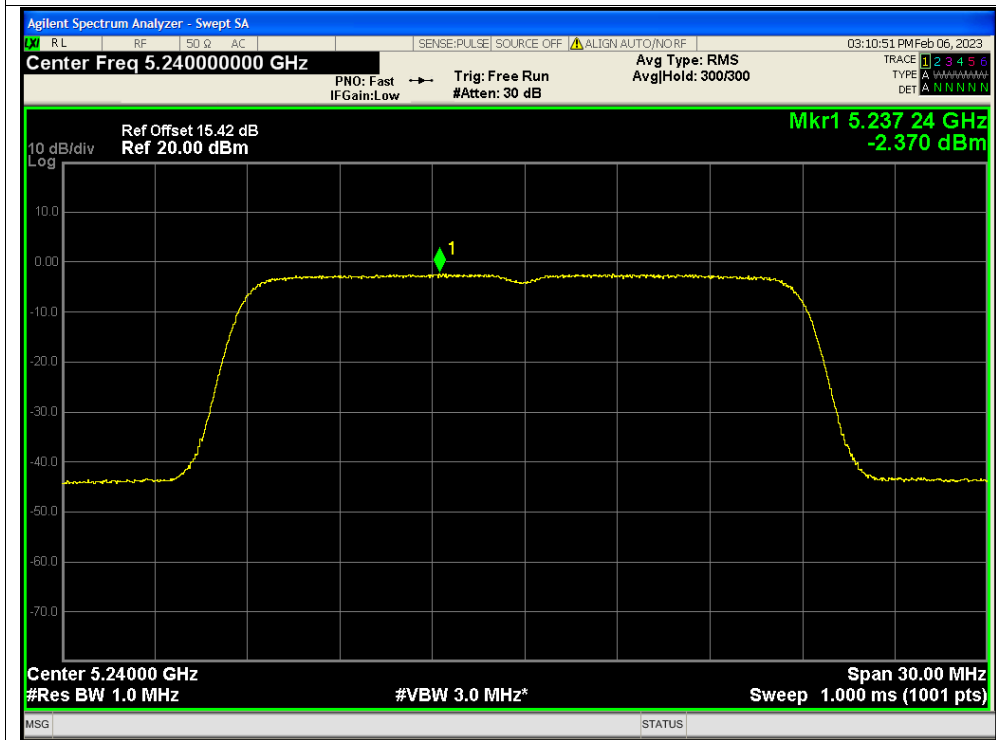


PSD NVNT ac20 5240MHz Ant2

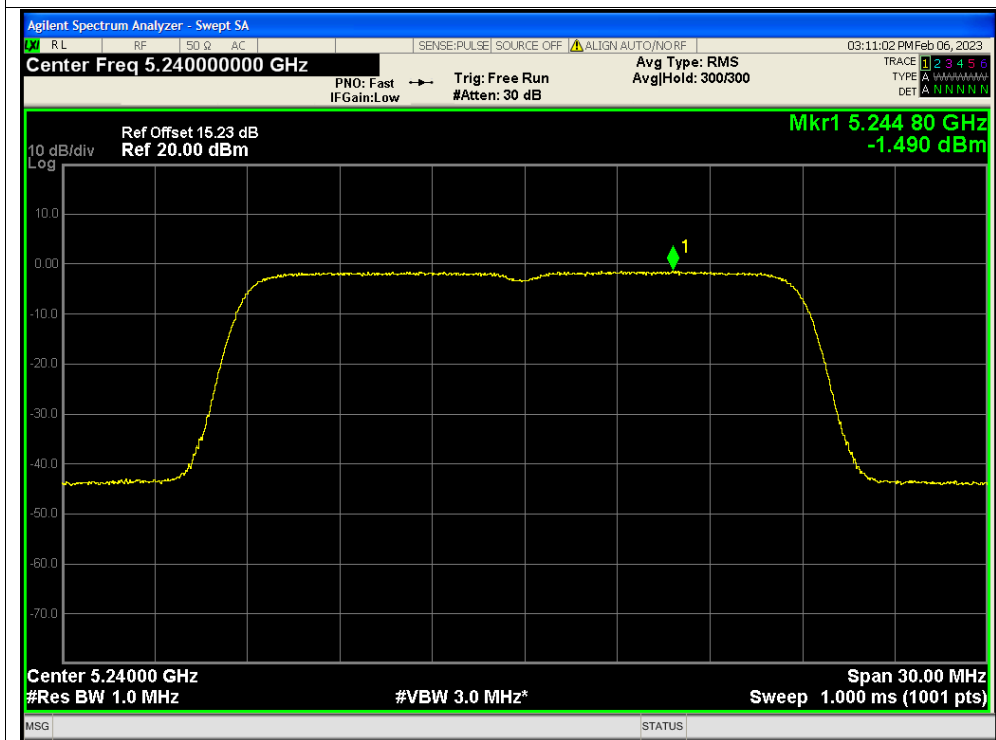




PSD NVNT ac20 5240MHz Ant1

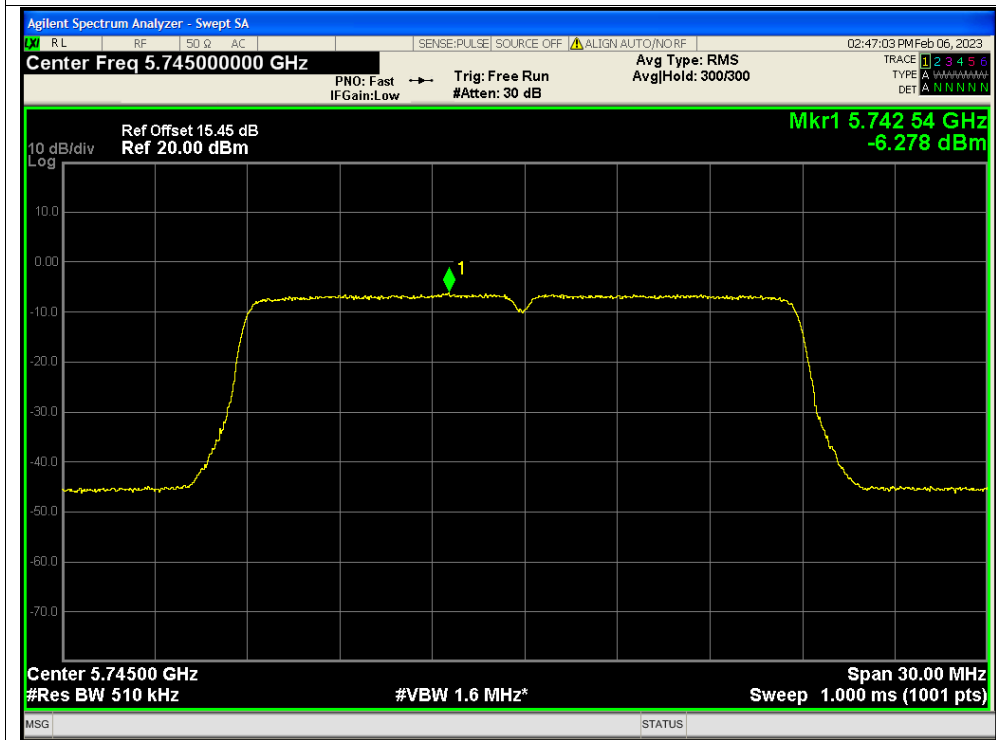


PSD NVNT ac20 5240MHz Ant2

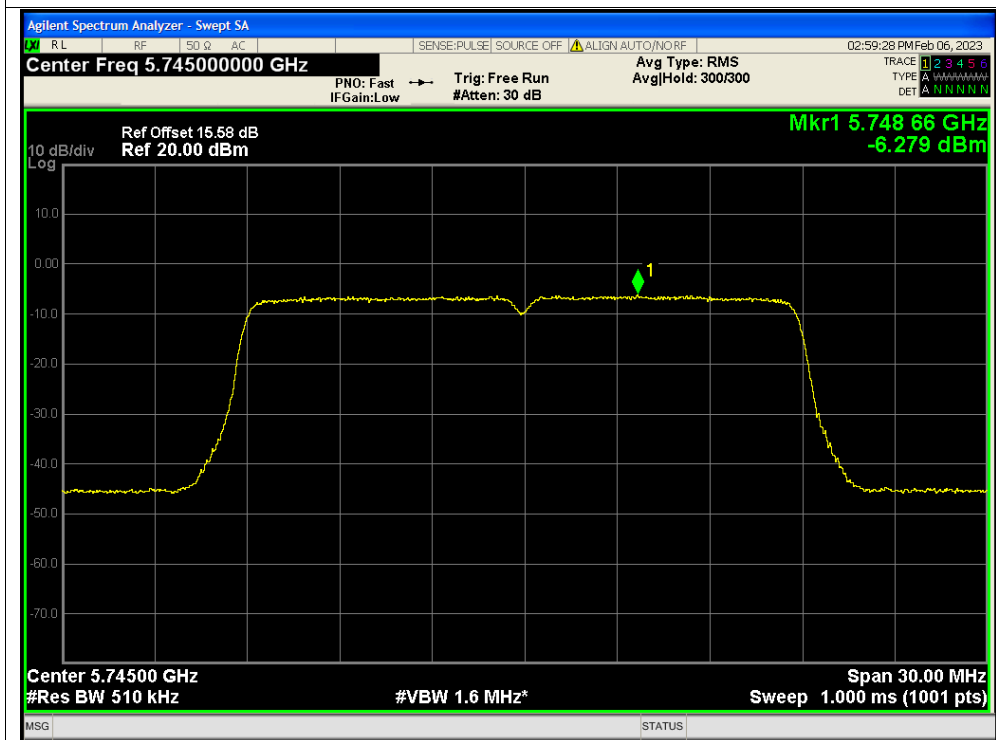




PSD NVNT ac20 5745MHz Ant1

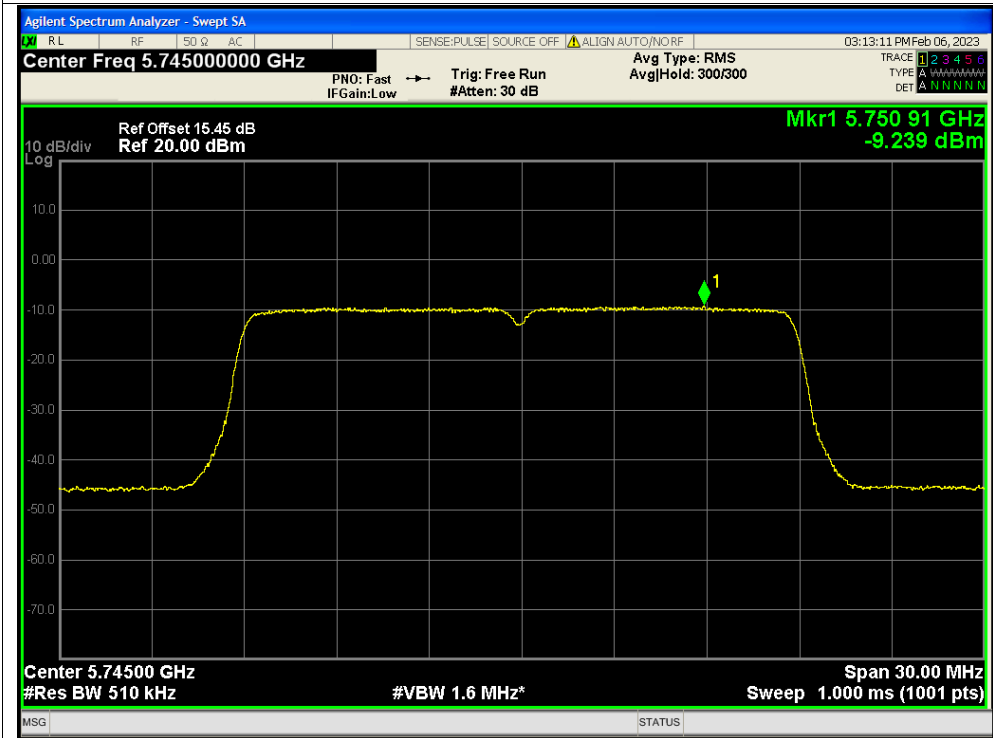


PSD NVNT ac20 5745MHz Ant2

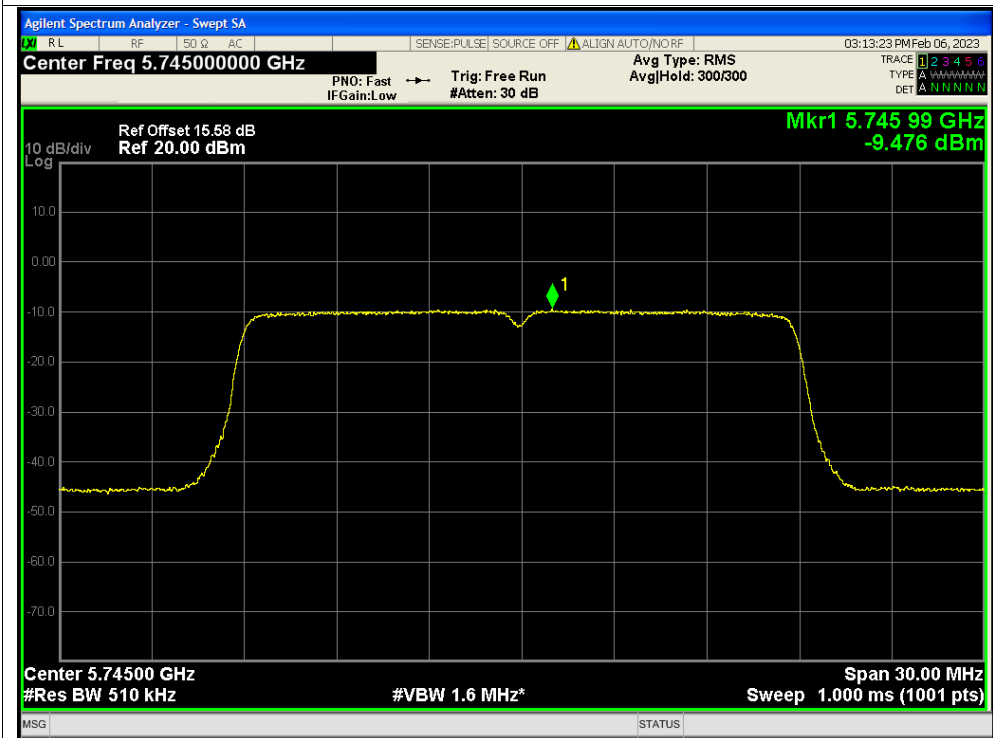




PSD NVNT ac20 5745MHz Ant1

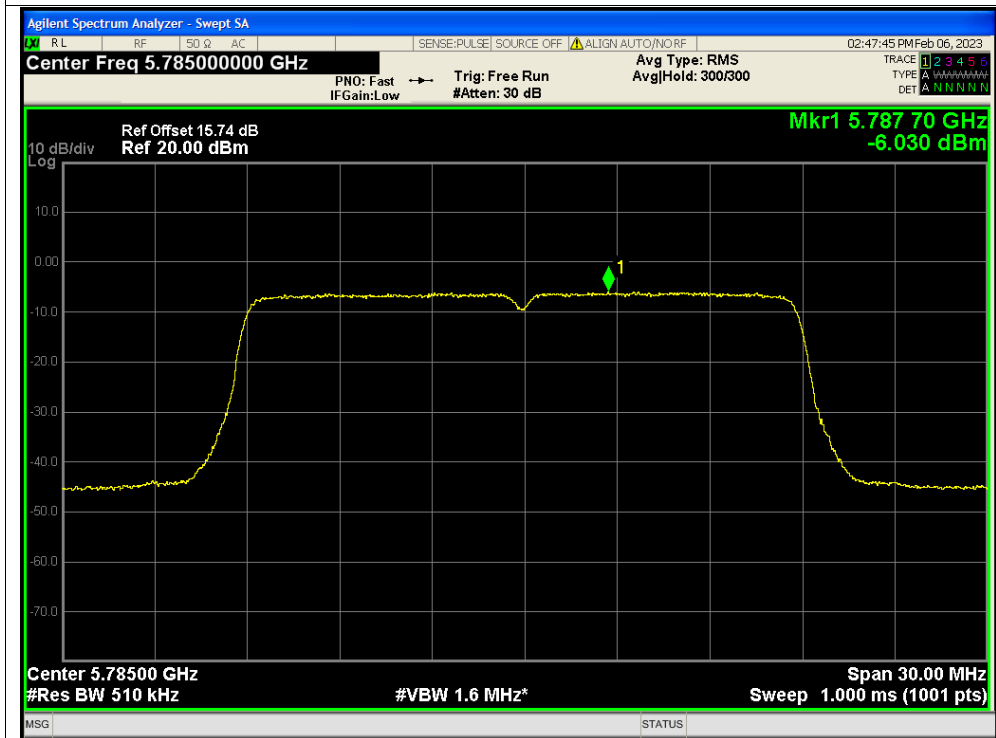


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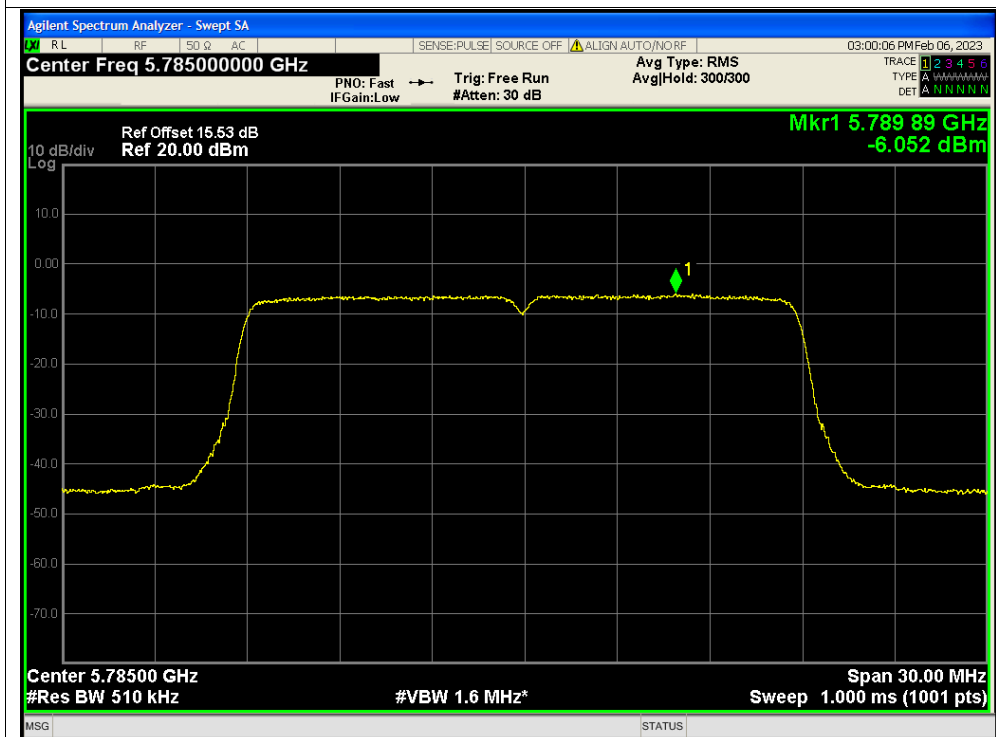




PSD NVNT ac20 5785MHz Ant1

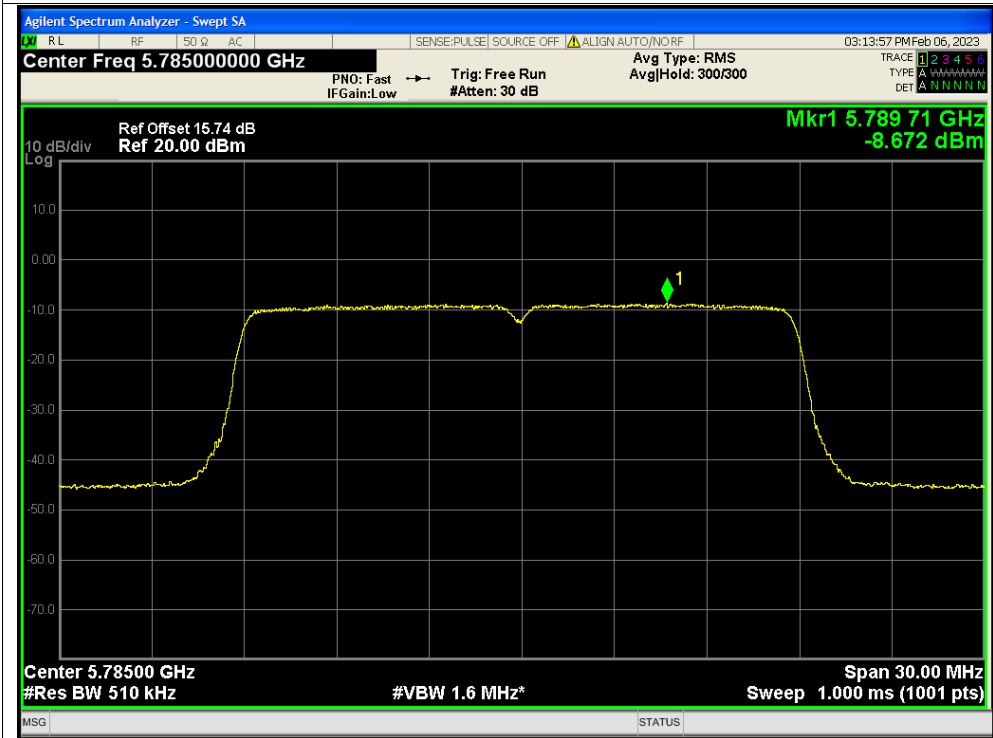


PSD NVNT ac20 5785MHz Ant2

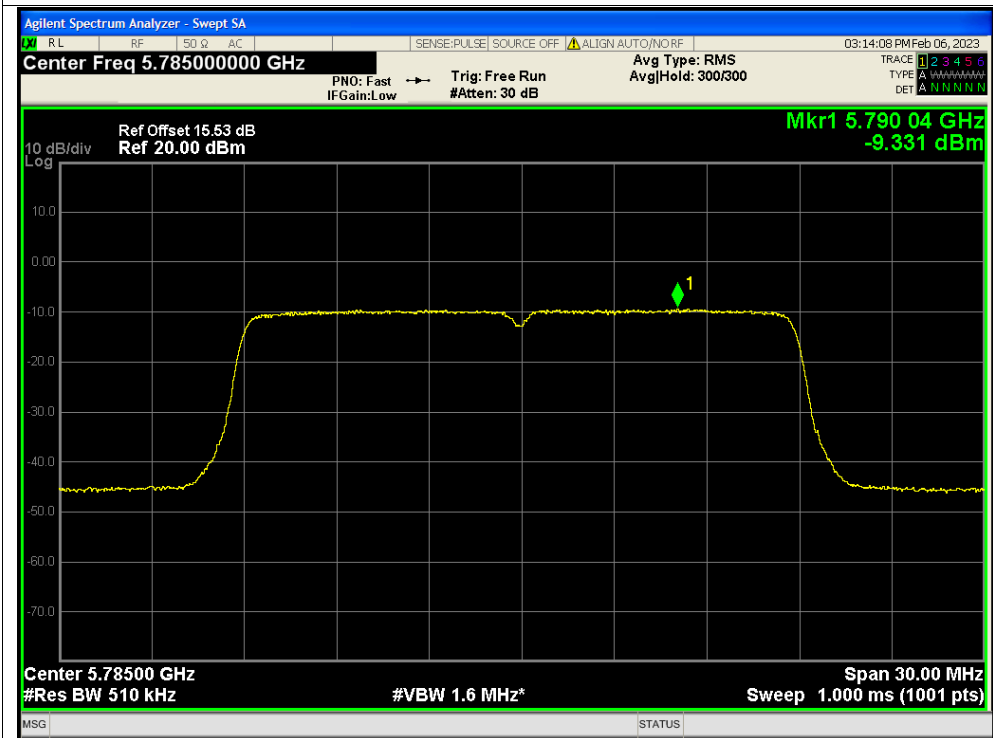




PSD NVNT ac20 5785MHz Ant1

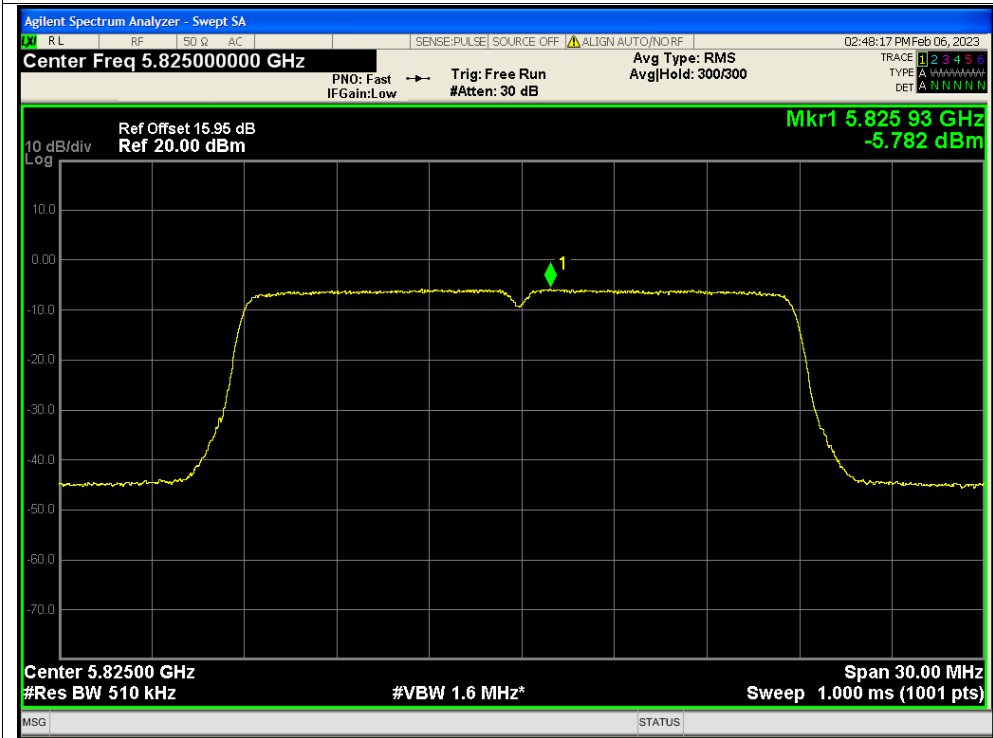


PSD NVNT ac20 5785MHz Ant2

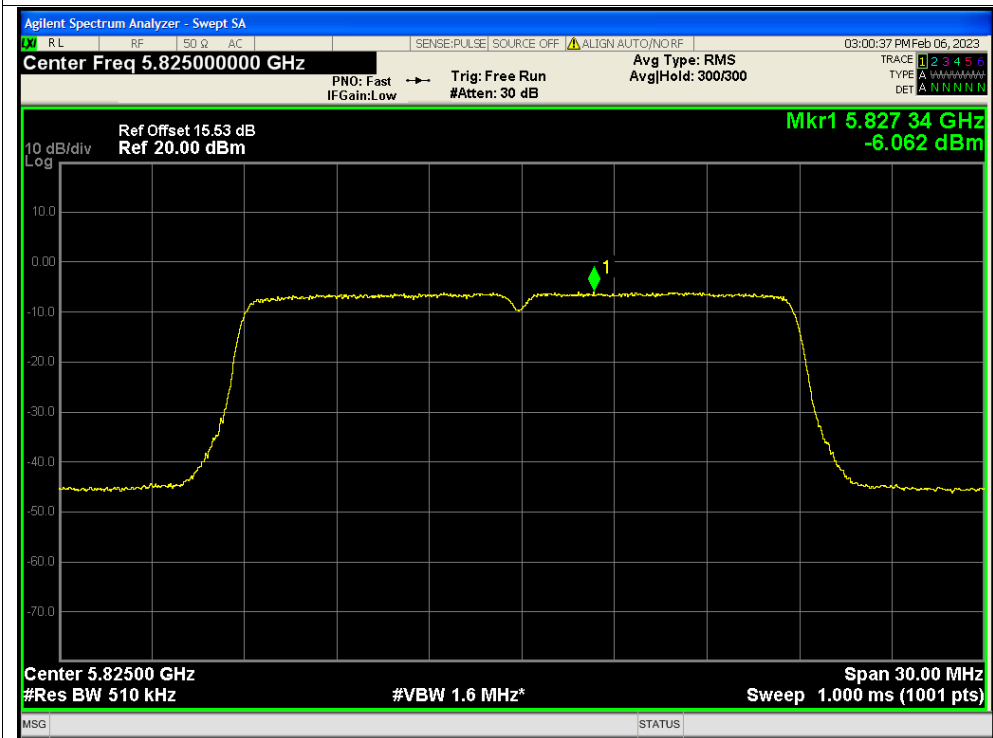




PSD NVNT ac20 5825MHz Ant1

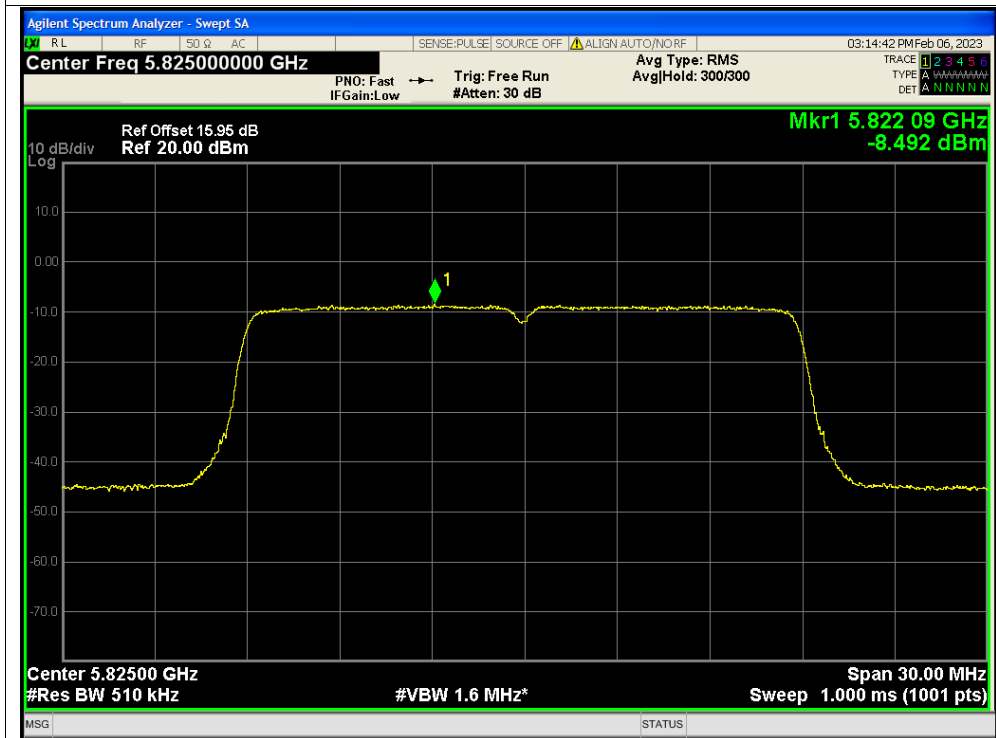


PSD NVNT ac20 5825MHz Ant2

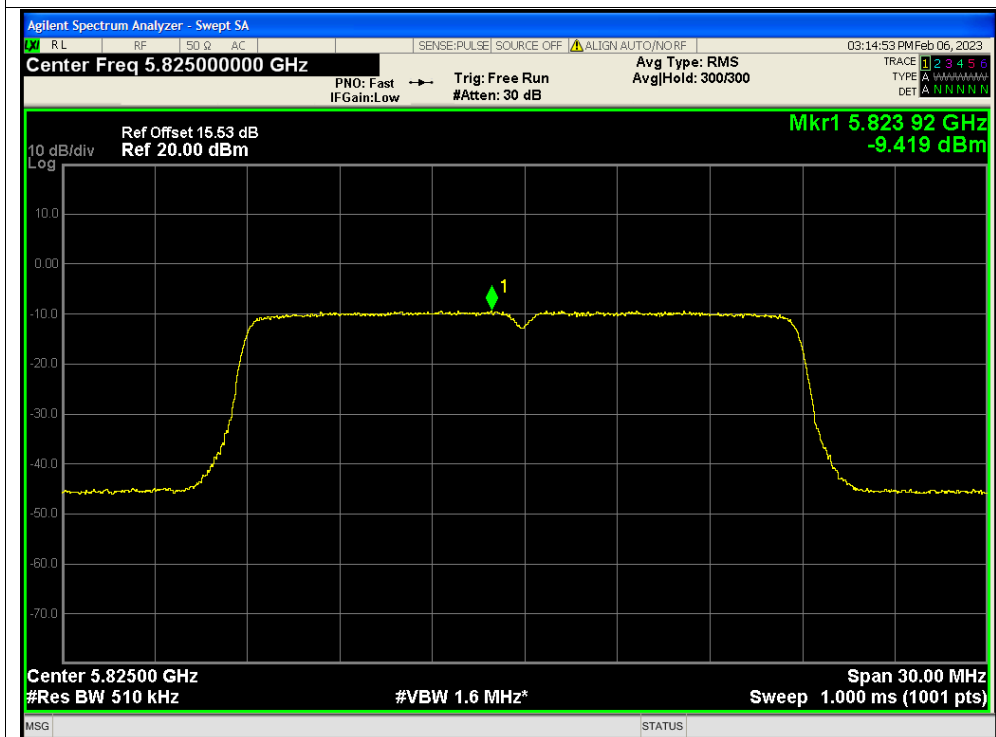




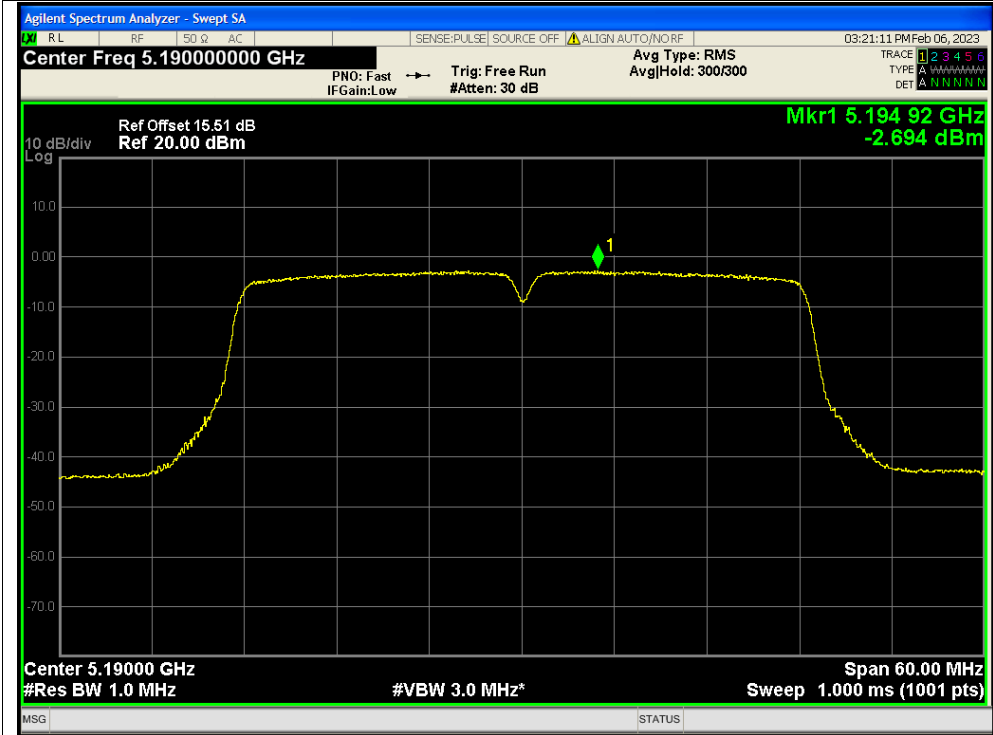
PSD NVNT ac20 5825MHz Ant1



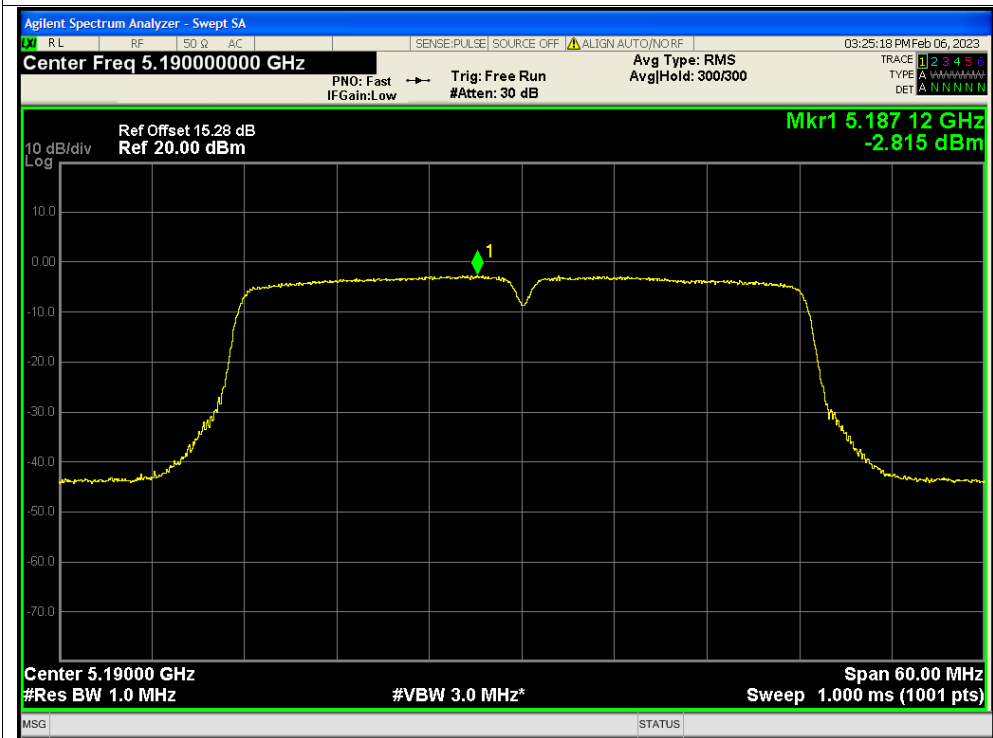
PSD NVNT ac20 5825MHz Ant2



PSD NVNT ac40 5190MHz Ant1

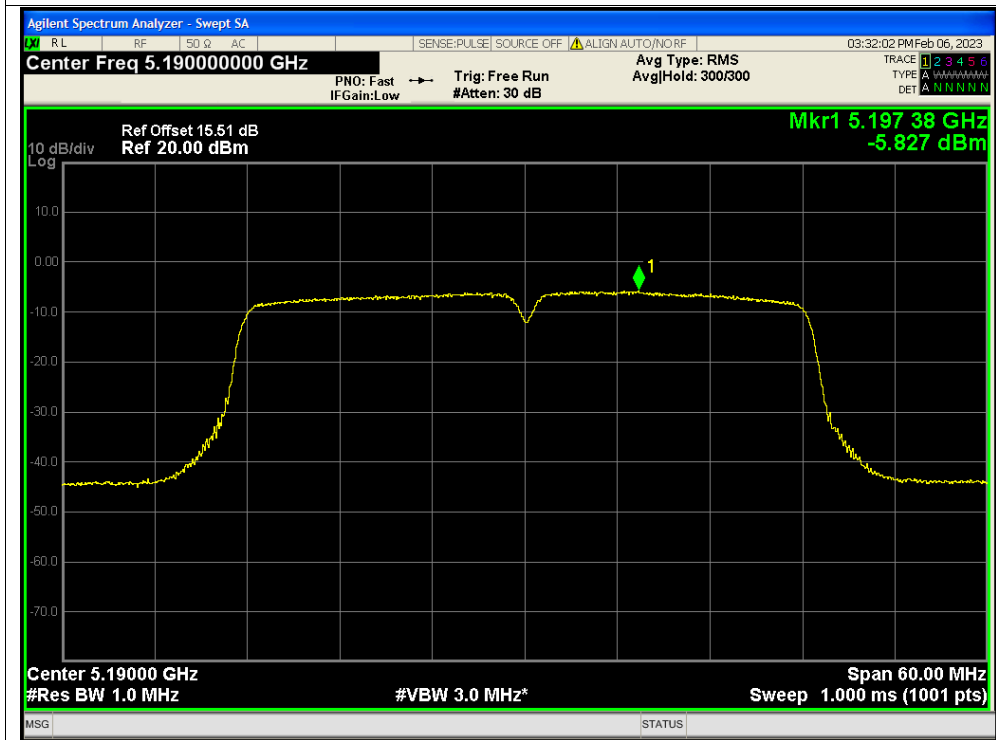


PSD NVNT ac40 5190MHz Ant2





PSD NVNT ac40 5190MHz Ant1

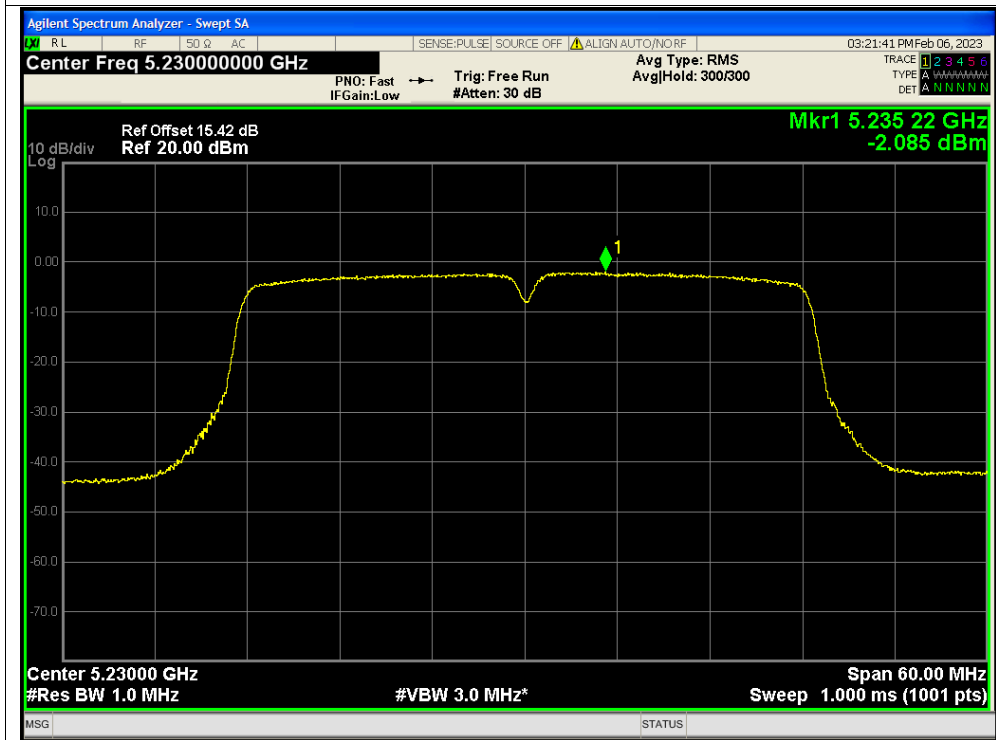


PSD NVNT ac40 5190MHz Ant2

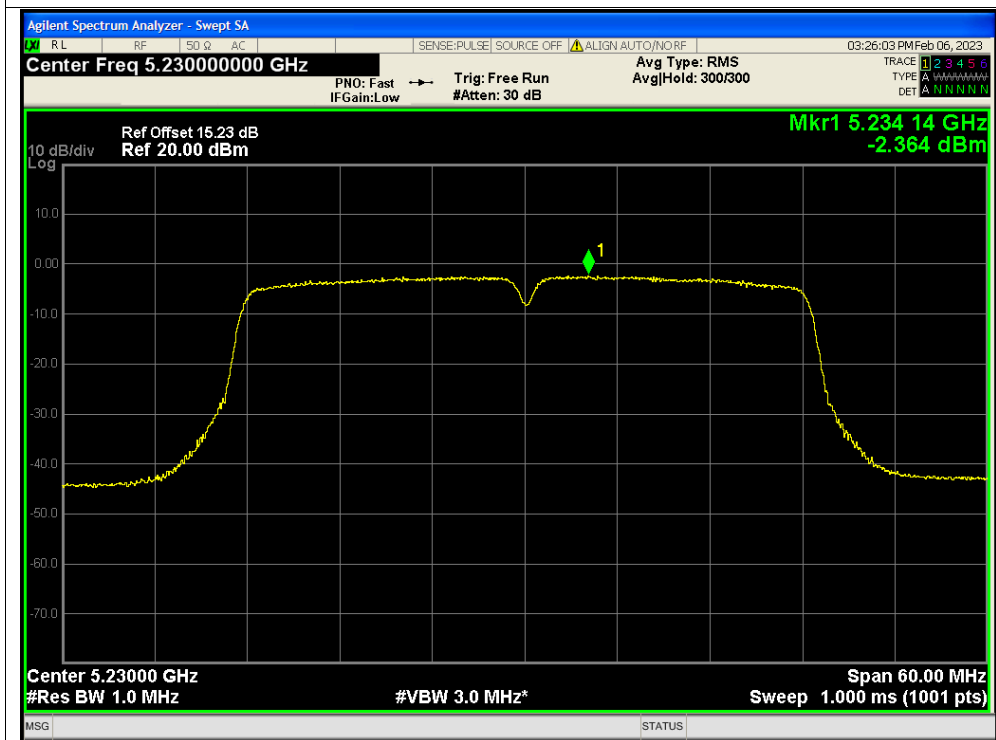




PSD NVNT ac40 5230MHz Ant1

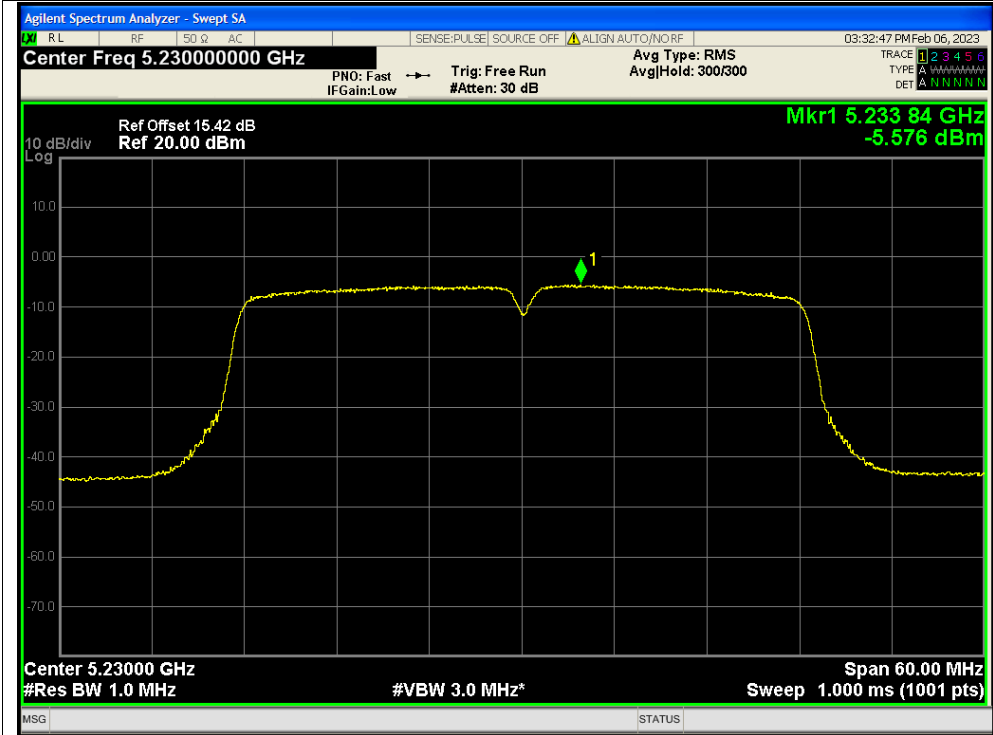


PSD NVNT ac40 5230MHz Ant2

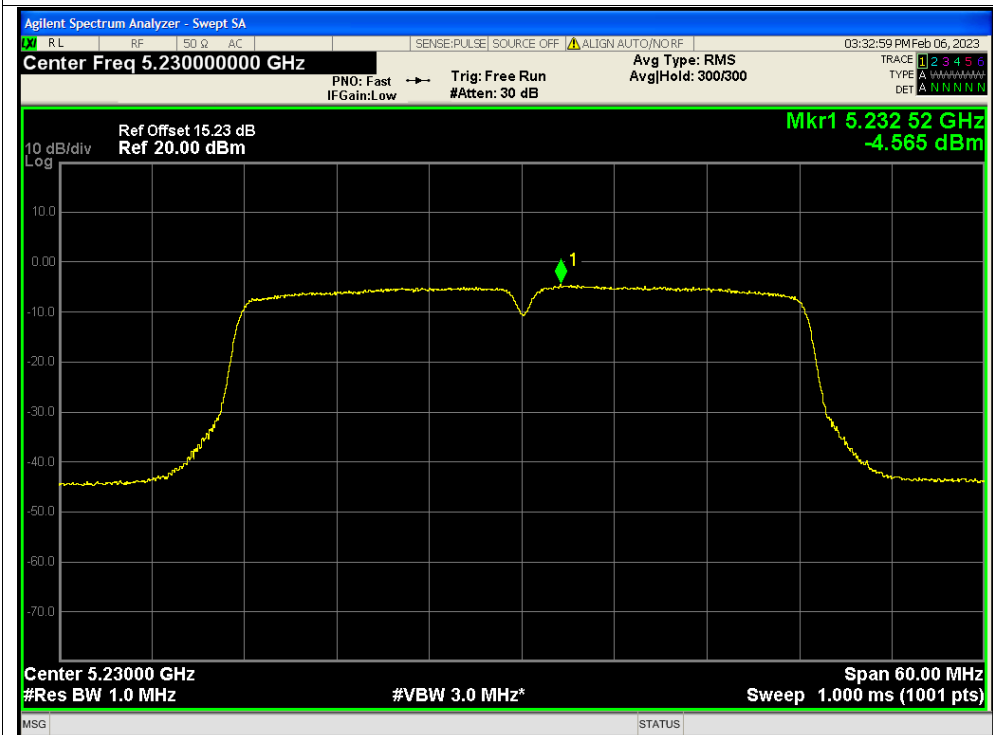




PSD NVNT ac40 5230MHz Ant1

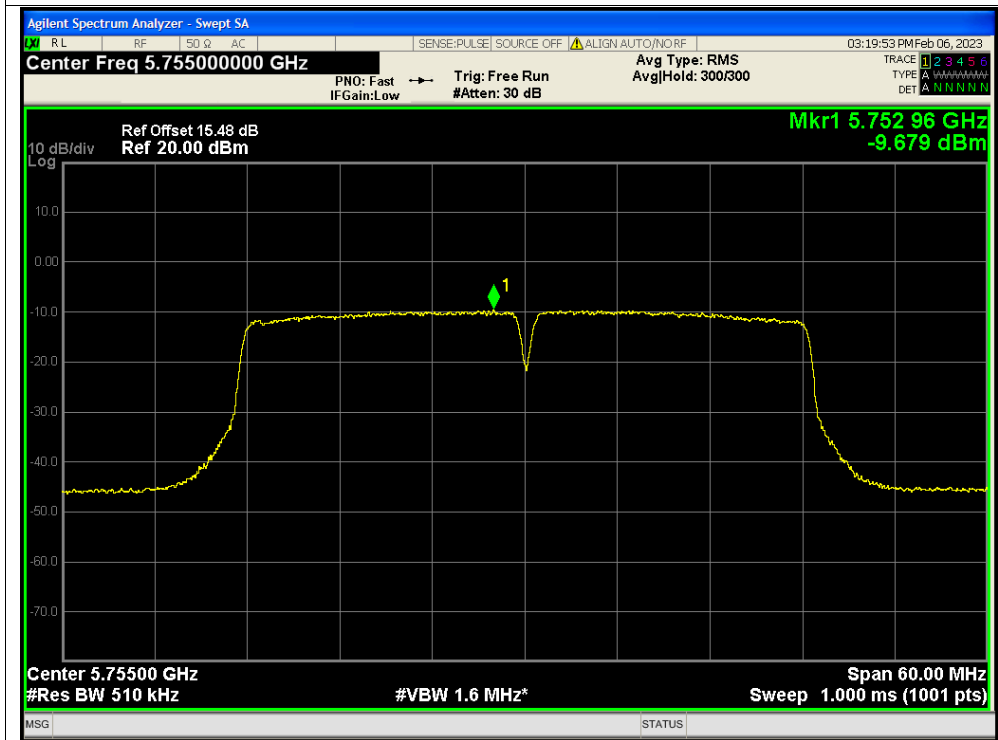


PSD NVNT ac40 5230MHz Ant2





PSD NVNT ac40 5755MHz Ant1

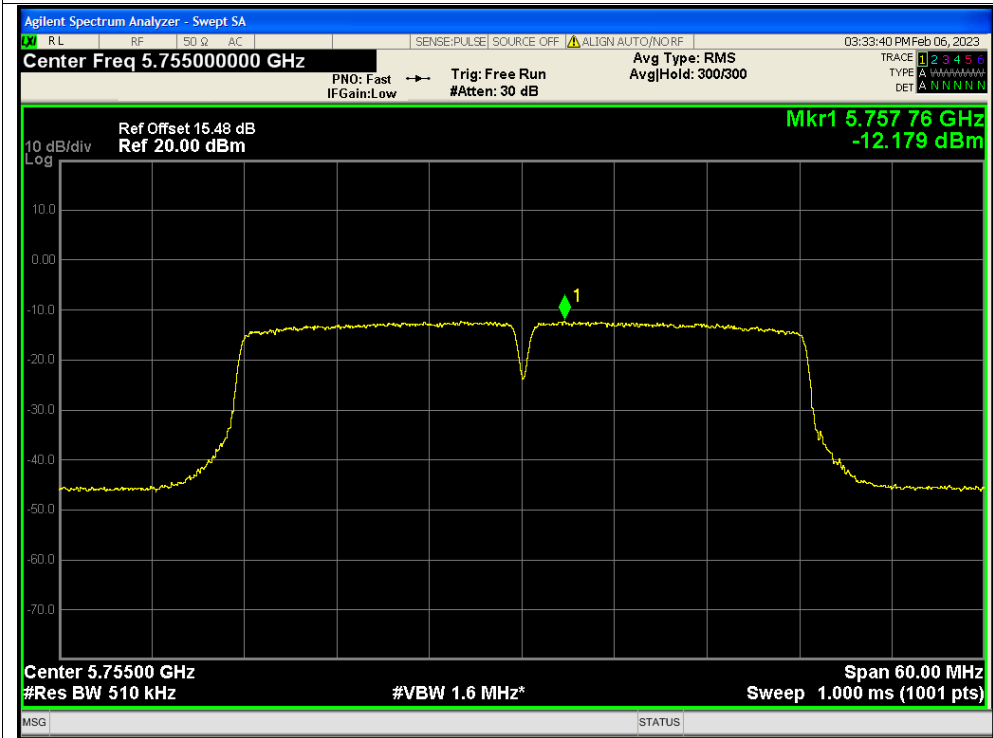


PSD NVNT ac40 5755MHz Ant2

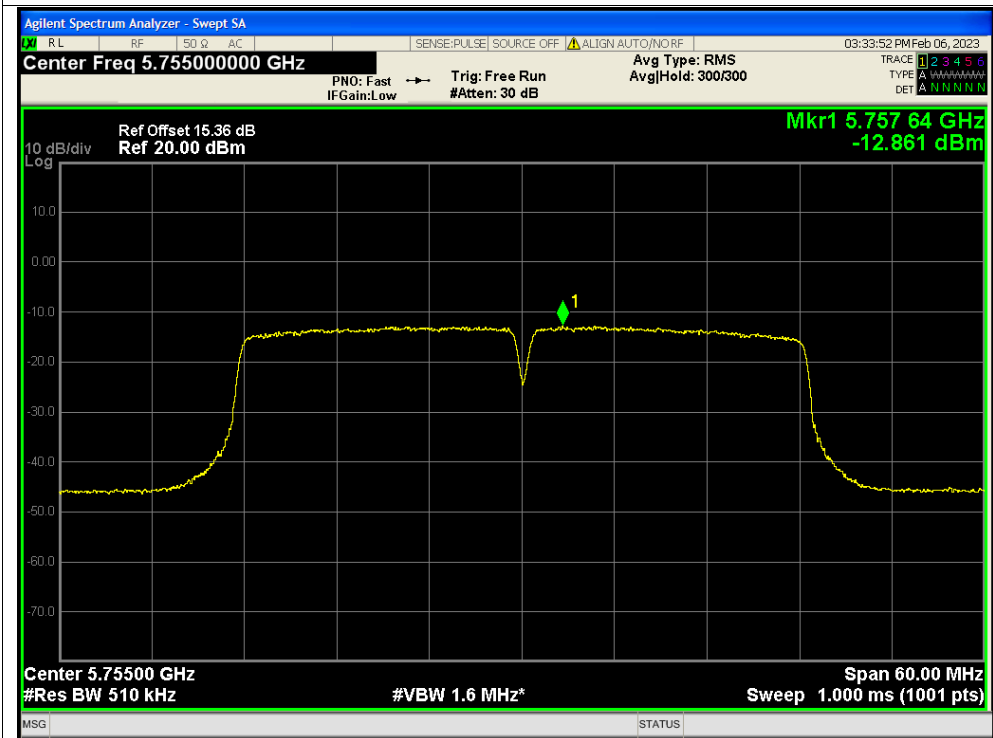




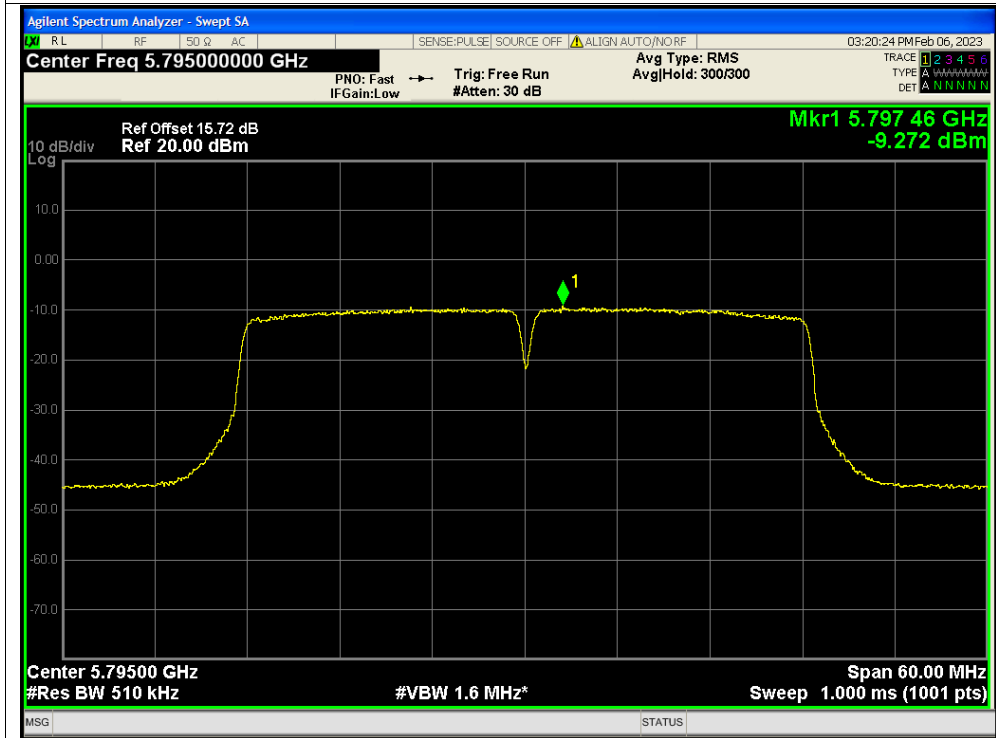
PSD NVNT ac40 5755MHz Ant1



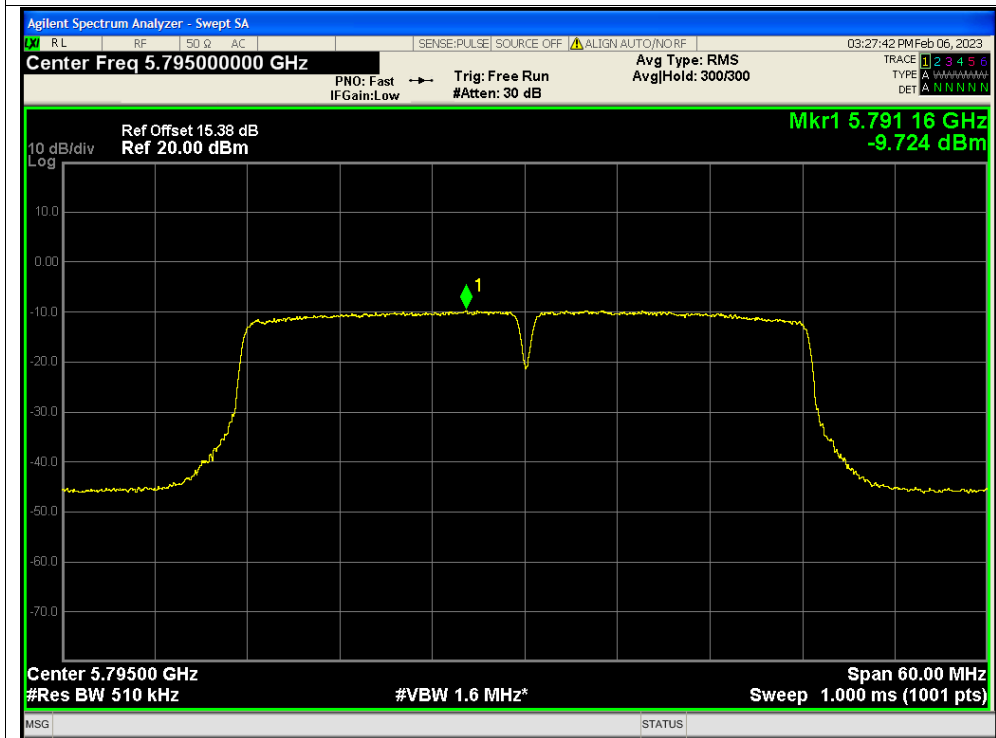
PSD NVNT ac40 5755MHz Ant2



PSD NVNT ac40 5795MHz Ant1

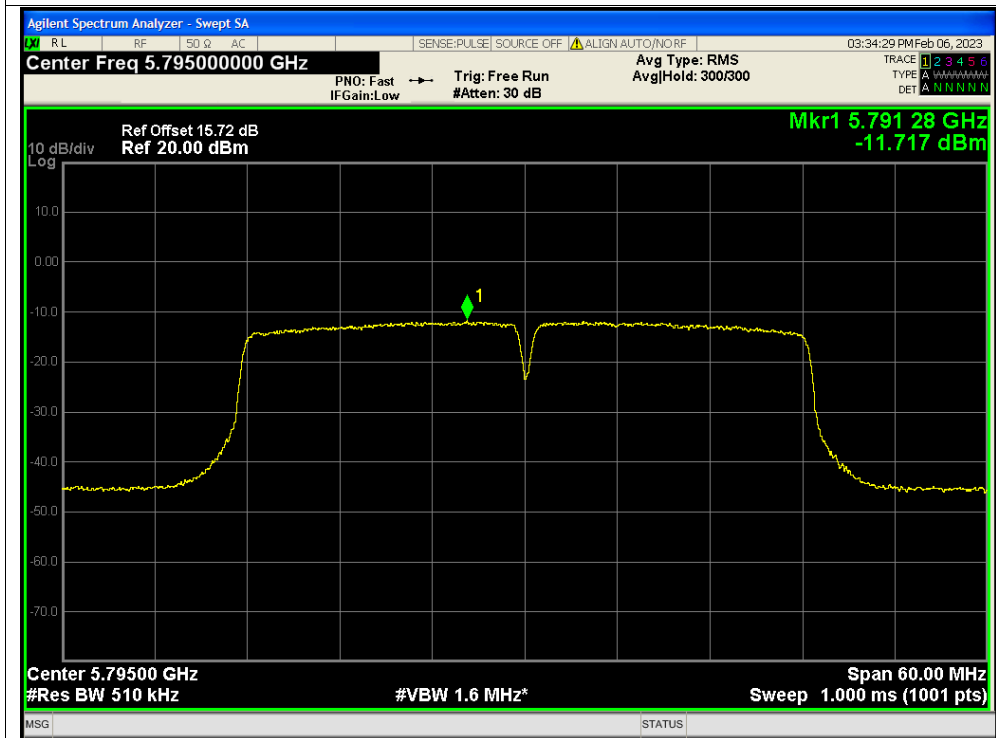


PSD NVNT ac40 5795MHz Ant2

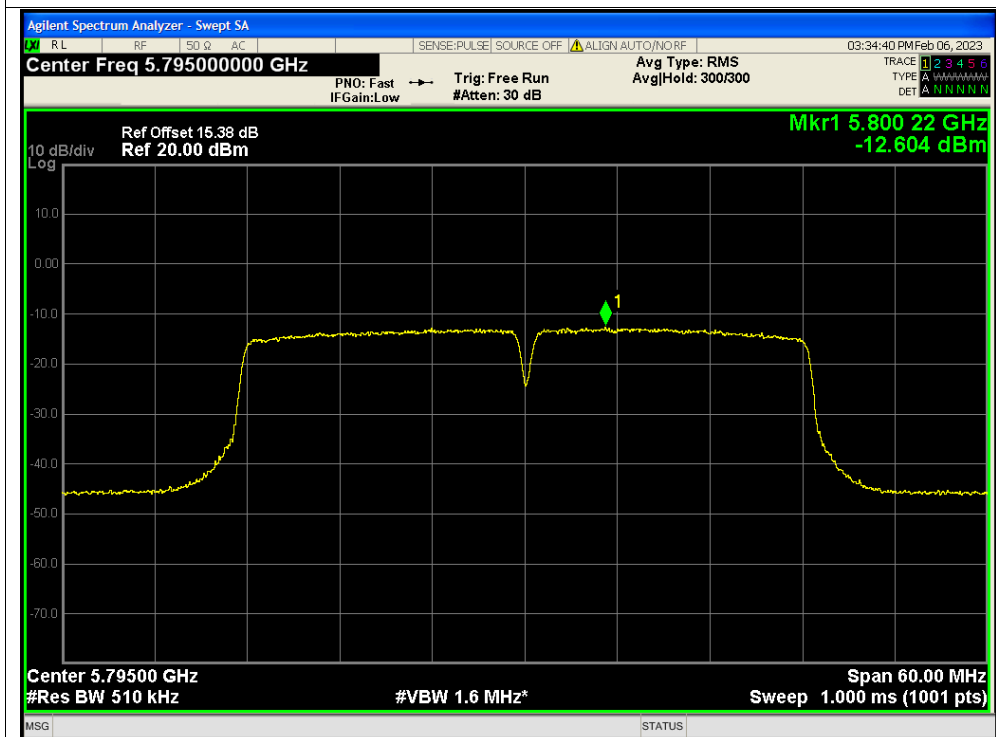




PSD NVNT ac40 5795MHz Ant1

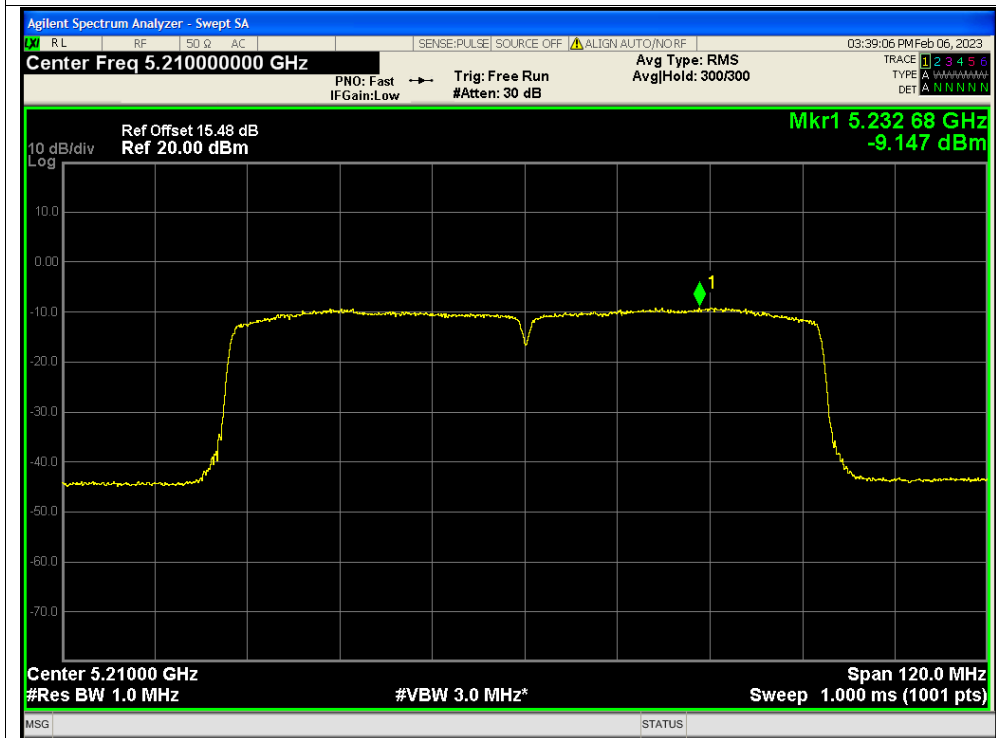


PSD NVNT ac40 5795MHz Ant2





PSD NVNT ac80 5210MHz Ant1

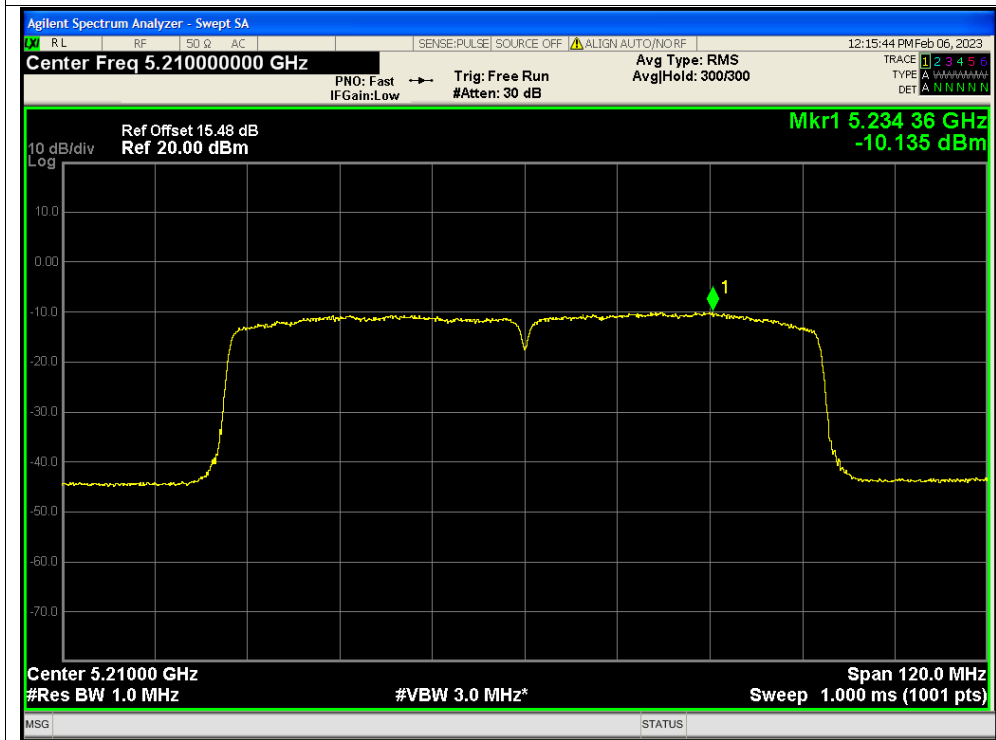


PSD NVNT ac80 5210MHz Ant2

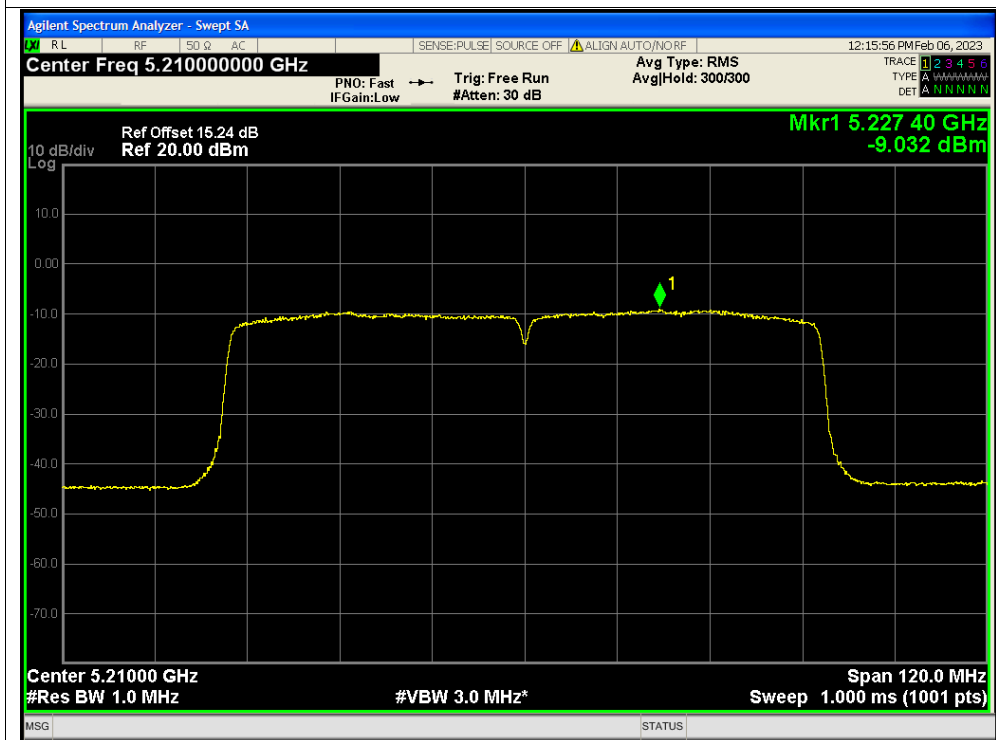




PSD NVNT ac80 5210MHz Ant1

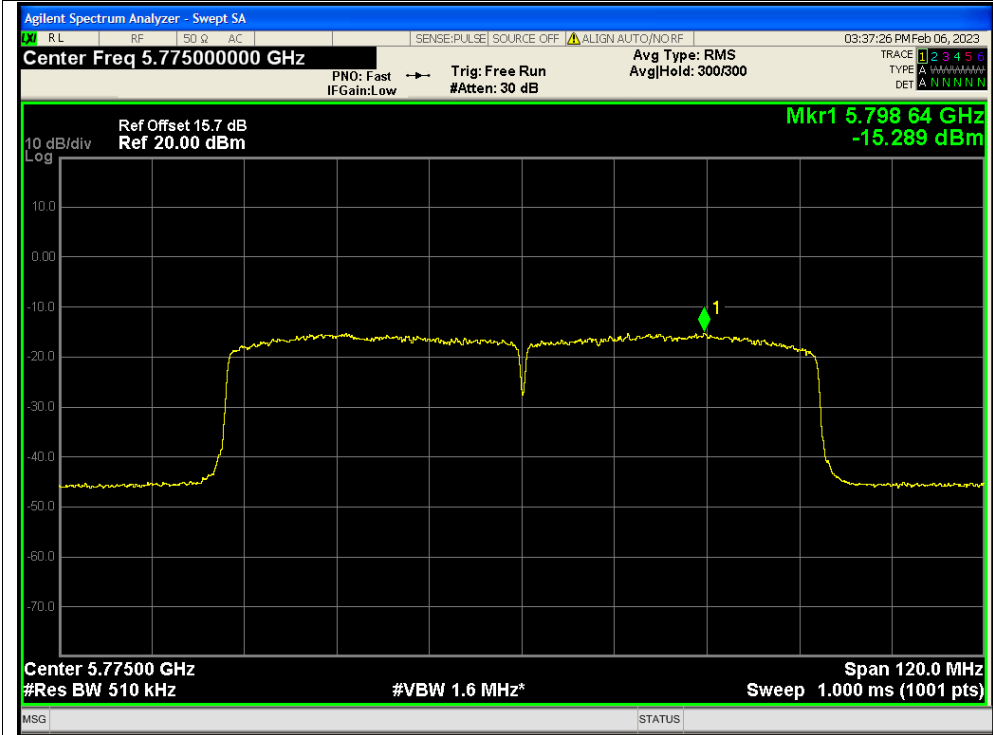


PSD NVNT ac80 5210MHz Ant2

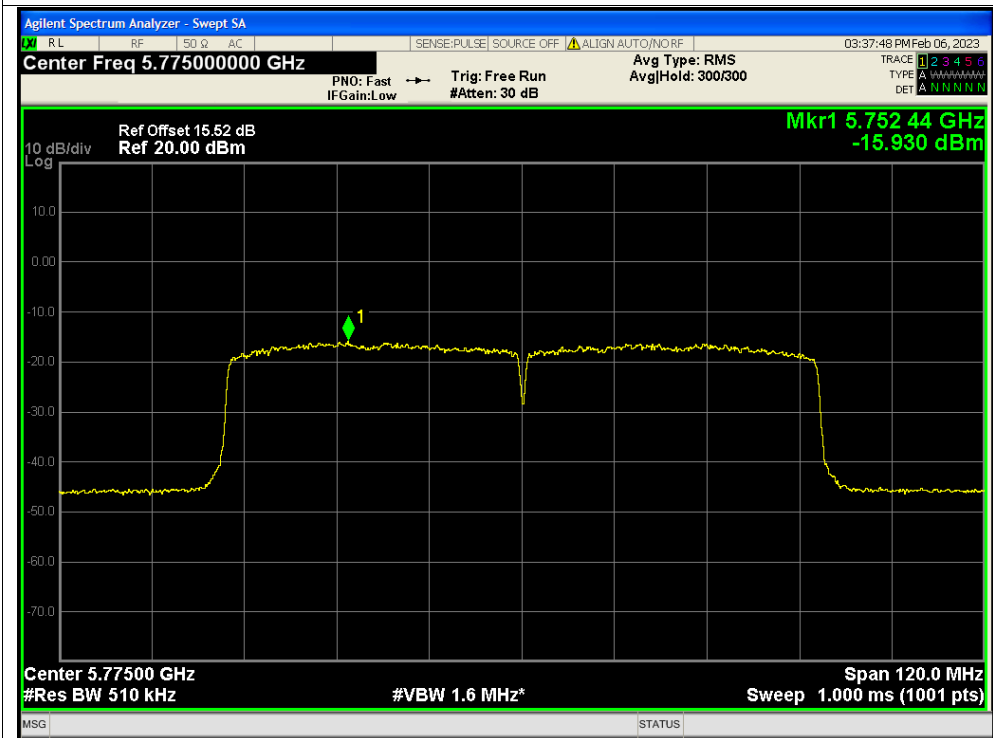




PSD NVNT ac80 5775MHz Ant1

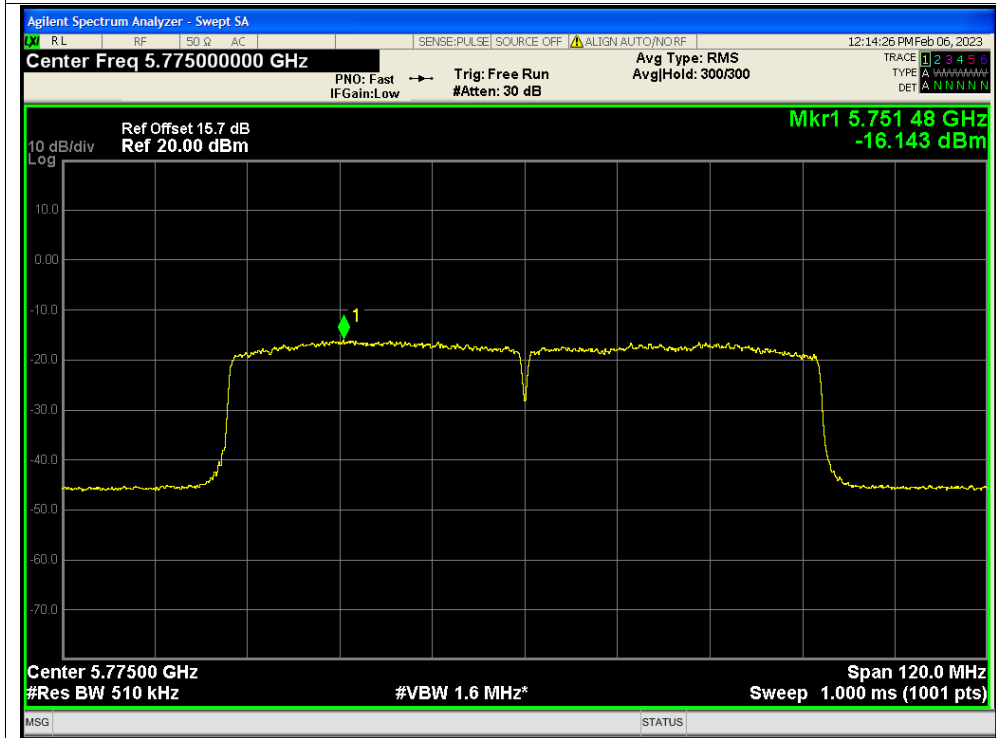


PSD NVNT ac80 5775MHz Ant2

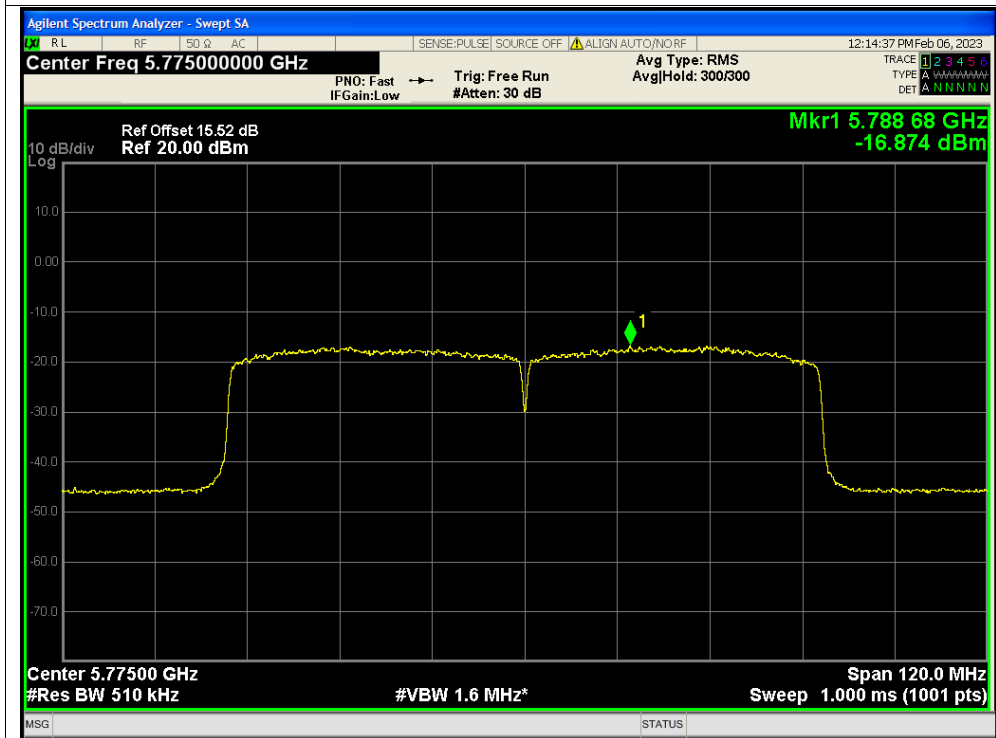




PSD NVNT ac80 5775MHz Ant1



PSD NVNT ac80 5775MHz Ant2



**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 9V	a	5180	Ant1	5179.901	-99000	-19.11	25	Pass
20C 12V	a	5180	Ant1	5179.901	-99000	-19.11	25	Pass
20C 13V	a	5180	Ant1	5179.901	-99000	-19.11	25	Pass
-30C 12V	a	5180	Ant1	5179.901	-99000	-19.11	25	Pass
-20C 12V	a	5180	Ant1	5179.901	-99000	-19.11	25	Pass
-10C 12V	a	5180	Ant1	5179.901	-99000	-19.11	25	Pass
0C 12V	a	5180	Ant1	5179.901	-99000	-19.11	25	Pass
10C 12V	a	5180	Ant1	5179.901	-99000	-19.11	25	Pass
30C 12V	a	5180	Ant1	5179.901	-99000	-19.11	25	Pass
40C 12V	a	5180	Ant1	5179.901	-99000	-19.11	25	Pass
50C 12V	a	5180	Ant1	5179.901	-99000	-19.11	25	Pass
20C 9V	a	5745	Ant1	5744.891	-109000	-18.97	25	Pass
20C 12V	a	5745	Ant1	5744.89	-110000	-19.15	25	Pass
20C 13V	a	5745	Ant1	5744.891	-109000	-18.97	25	Pass
-30C 12V	a	5745	Ant1	5744.89	-110000	-19.15	25	Pass
-20C 12V	a	5745	Ant1	5744.89	-110000	-19.15	25	Pass
-10C 12V	a	5745	Ant1	5744.89	-110000	-19.15	25	Pass
0C 12V	a	5745	Ant1	5744.89	-110000	-19.15	25	Pass
10C 12V	a	5745	Ant1	5744.89	-110000	-19.15	25	Pass
30C 12V	a	5745	Ant1	5744.89	-110000	-19.15	25	Pass
40C 12V	a	5745	Ant1	5744.89	-110000	-19.15	25	Pass
50C 12V	a	5745	Ant1	5744.89	-110000	-19.15	25	Pass



A.6. Conducted Emission

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

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

A. Test Setup:

Test Mode: EUT + Adapter + PC + PC Adapter + RJ45 Link + WIFI TX

Test voltage: AC 120V/60Hz

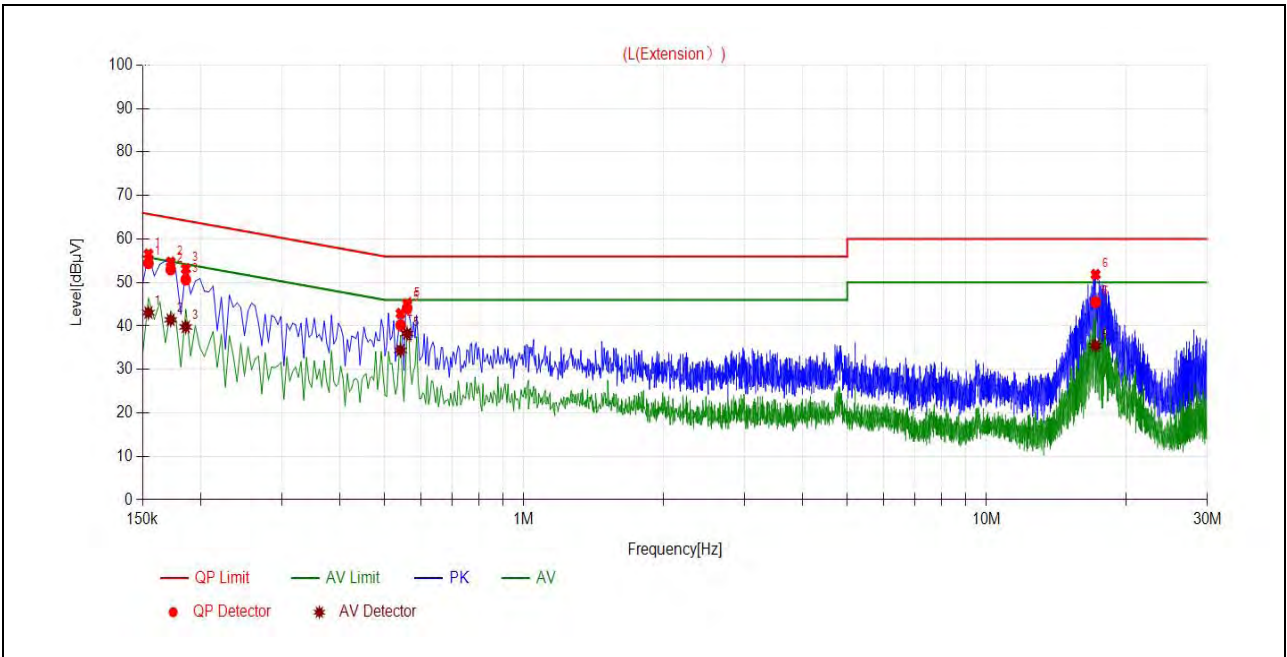
The measurement results are obtained as below:

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

U_R : Receiver Reading

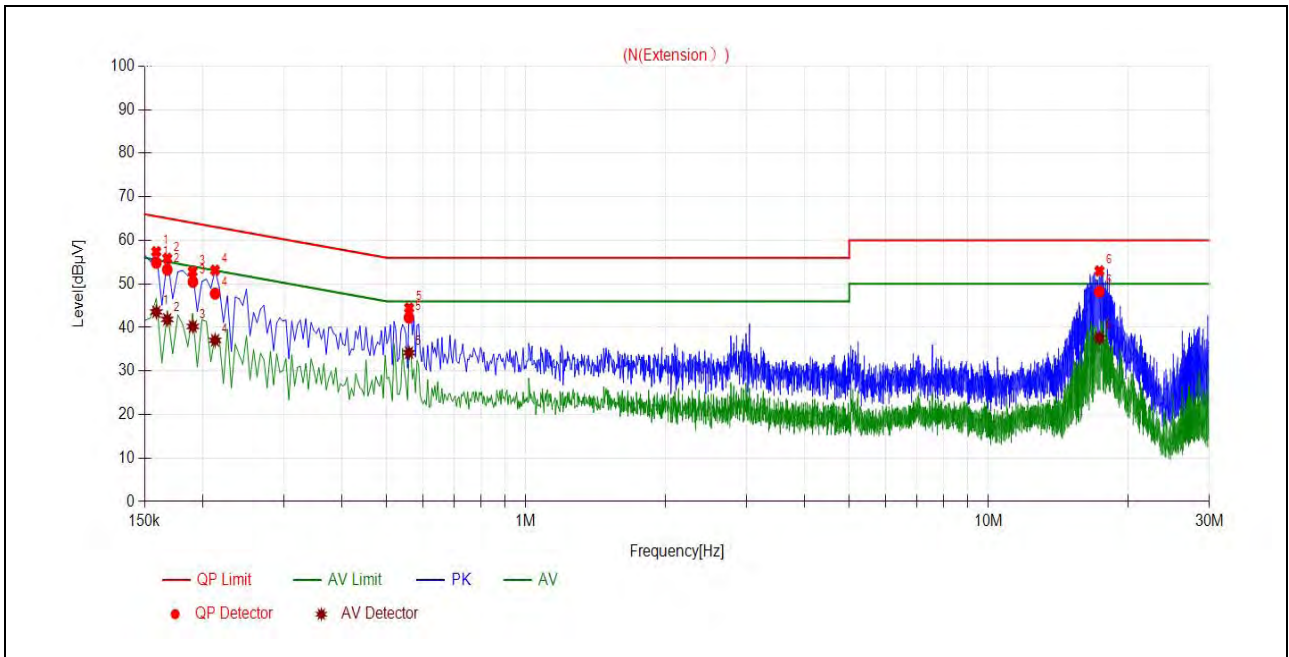
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1544	0.1544	43.07	65.76	55.76	Line	PASS
2	0.1725	0.1725	41.42	64.84	54.84		PASS
3	0.1859	0.1859	39.77	64.22	54.22		PASS
4	0.5415	0.5415	34.39	56.00	46.00		PASS
5	0.5594	0.5594	38.25	56.00	46.00		PASS
6	17.2001	17.2001	35.46	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1590	54.86	43.56	65.52	55.52	Neutral	PASS
2	0.1679	53.27	41.85	65.06	55.06		PASS
3	0.1907	50.49	40.22	64.01	54.01		PASS
4	0.2130	47.76	37.04	63.09	53.09		PASS
5	0.5591	42.25	34.20	56.00	46.00		PASS
6	17.3506	48.21	37.62	60.00	50.00		PASS



A.7. 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

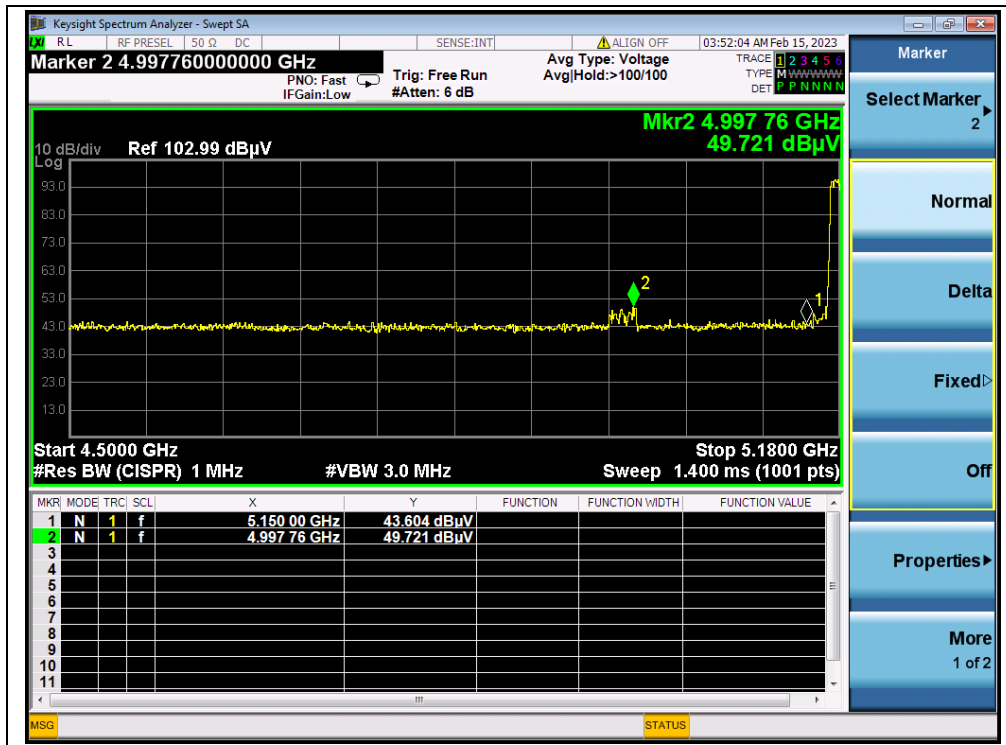
A_{Factor} : Antenna Factor at 3m

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.

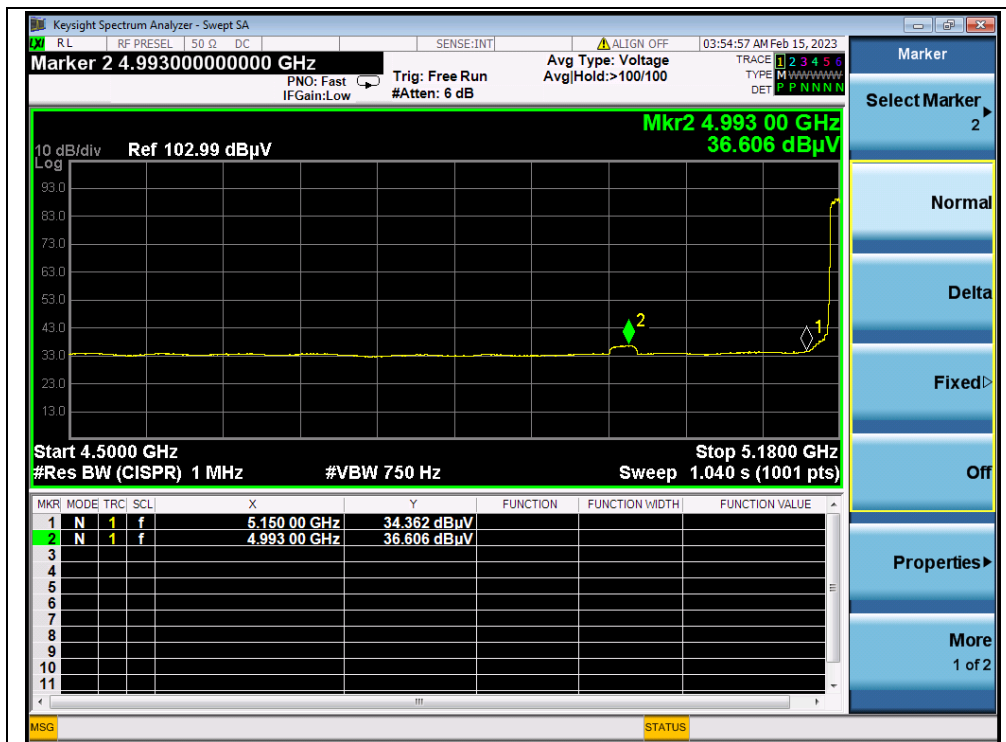
Note 2: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

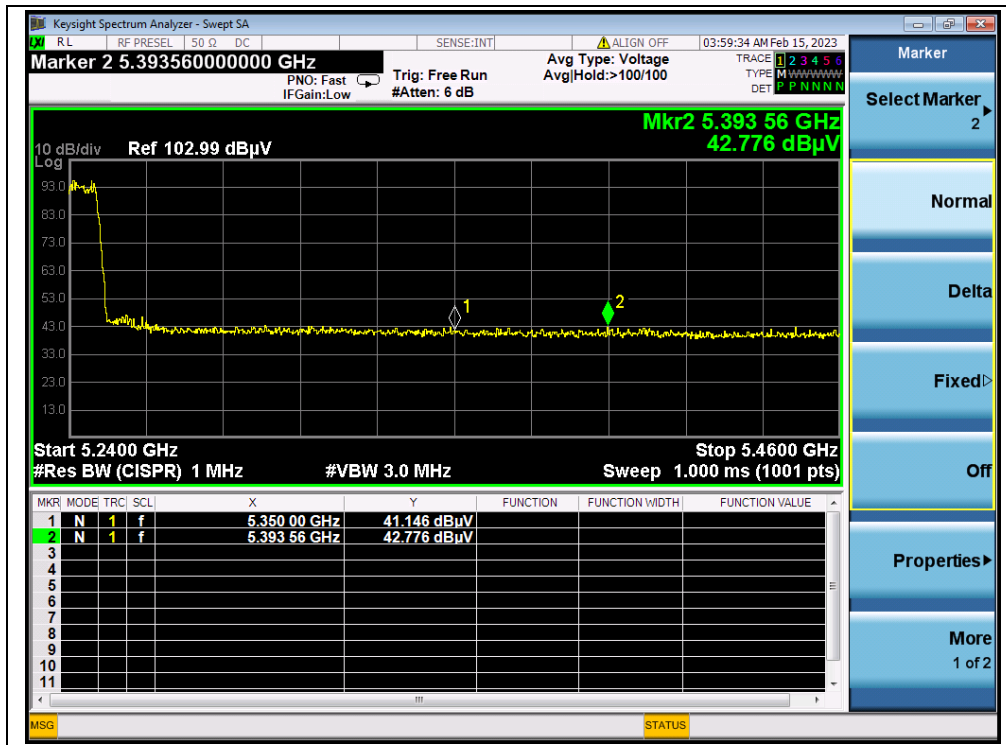
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
36	4997.76	PK	49.72	-19.54	32.20	62.38	74	PASS
36	4993.00	AV	36.61	-19.54	32.20	49.27	54	PASS
48	5393.56	PK	42.78	-19.54	32.20	55.44	74	PASS
48	5393.78	AV	32.98	-19.54	32.20	45.64	54	PASS
149	5725.00	PK	41.50	-19.01	32.20	54.69	122.23	PASS
165	5850.00	PK	41.54	-19.01	32.20	54.73	122.23	PASS



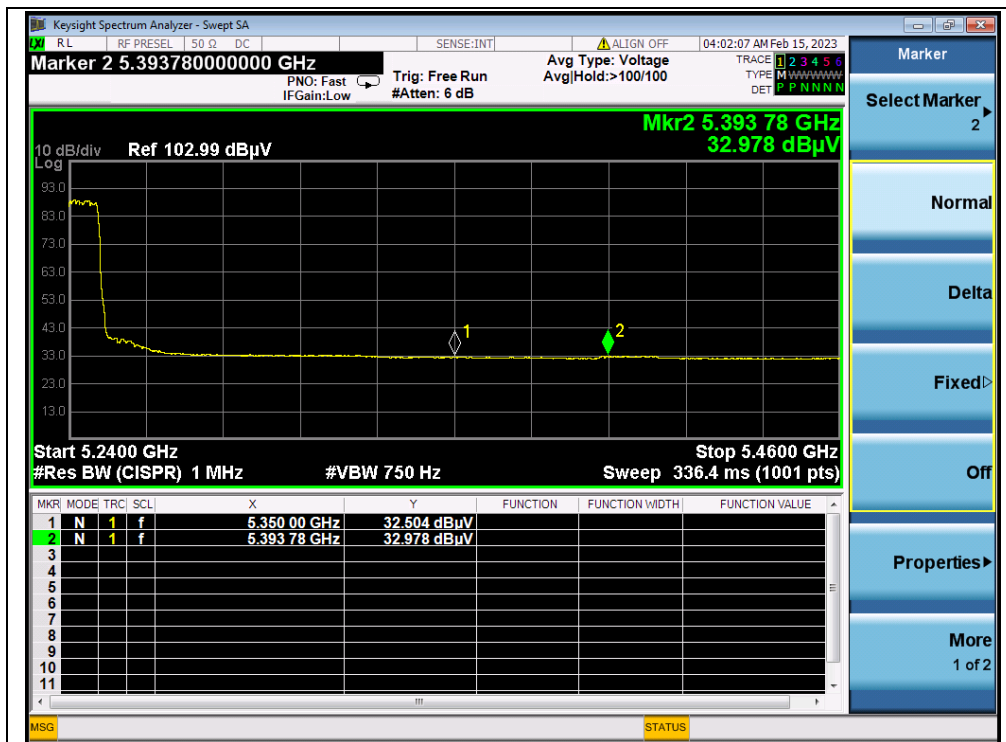
(PEAK, Channel 36, 802.11a)



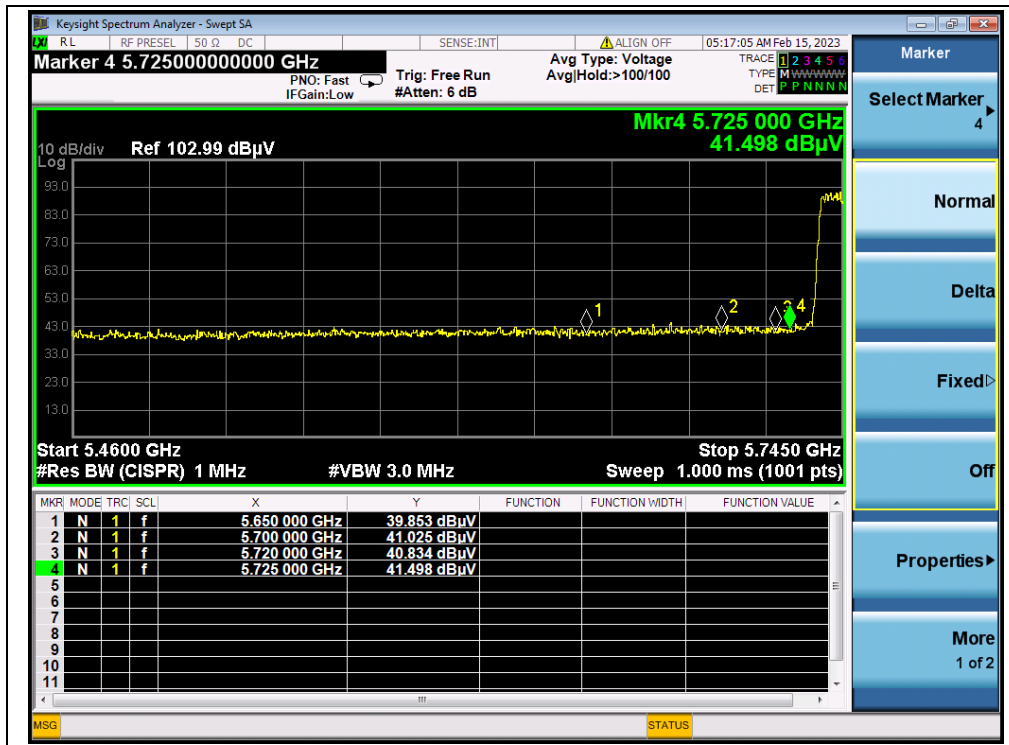
(AVERAGE, Channel 36, 802.11a)



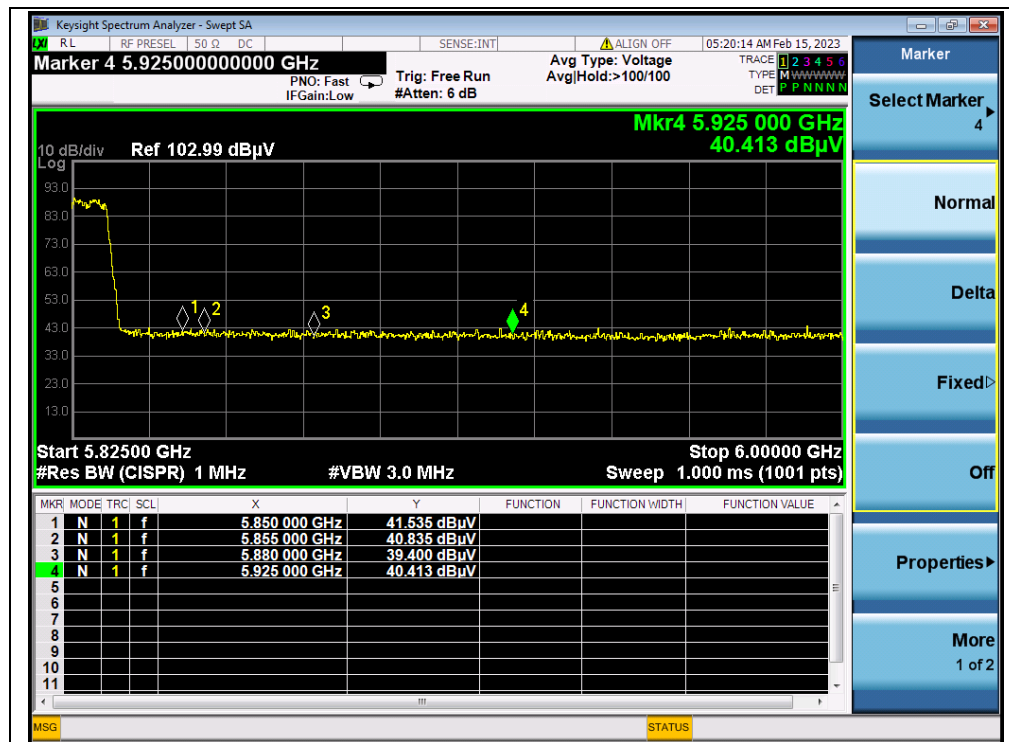
(PEAK, Channel 48, 802.11a)



(AVERAGE, Channel 48, 802.11a)



(PEAK, Channel 149, 802.11a)

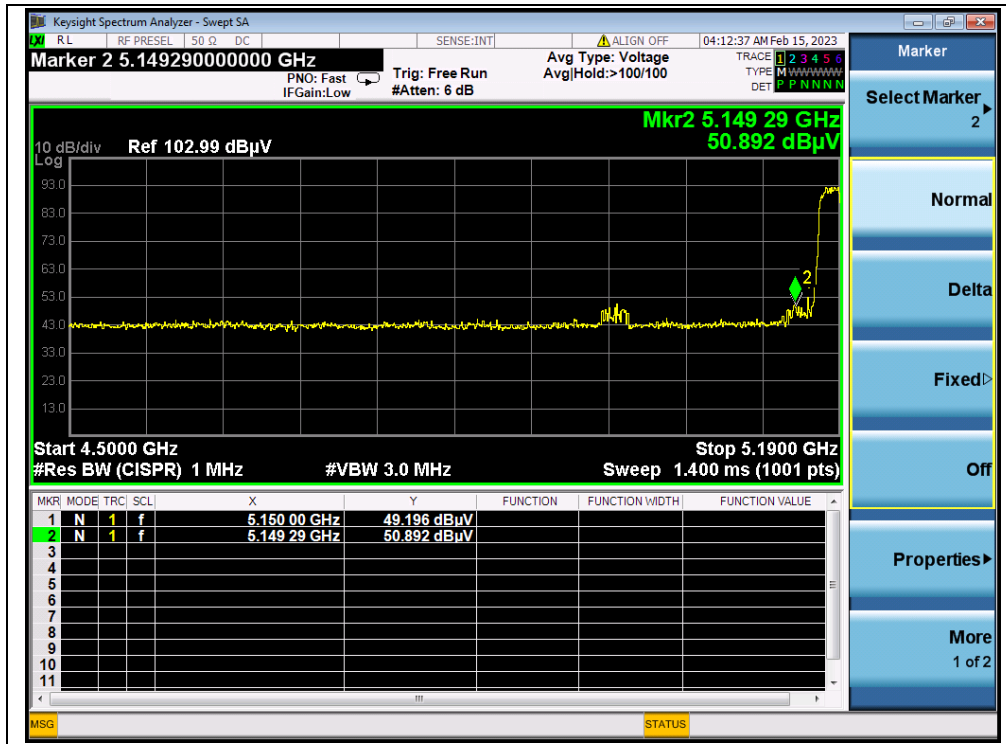


(PEAK, Channel 165, 802.11a)

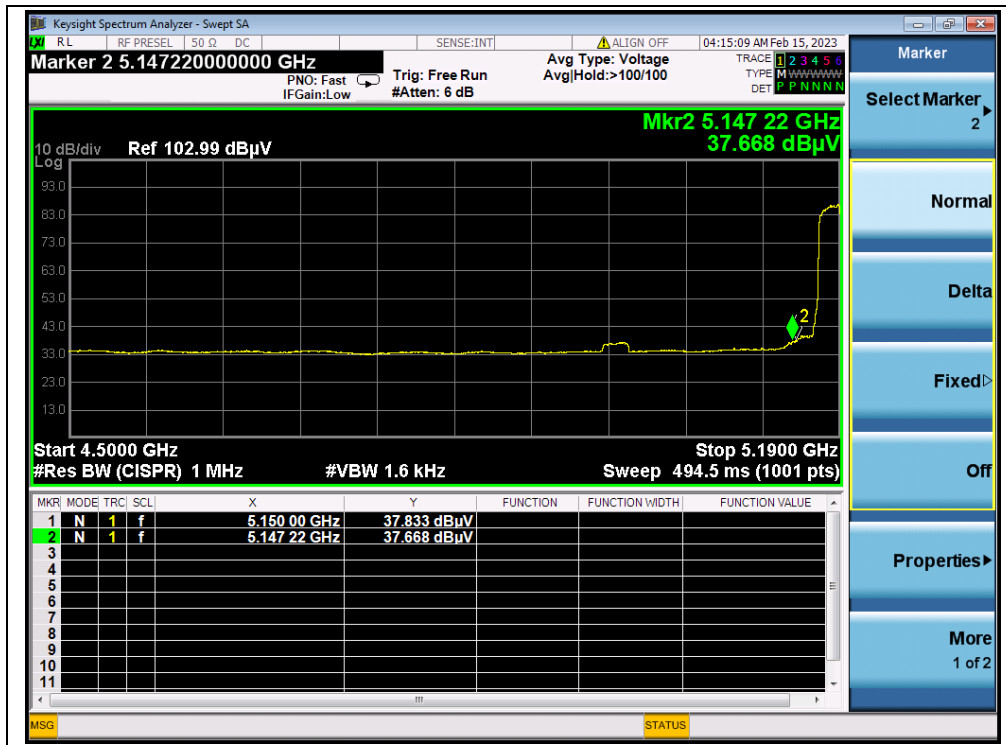


802.11n (HT40) Mode

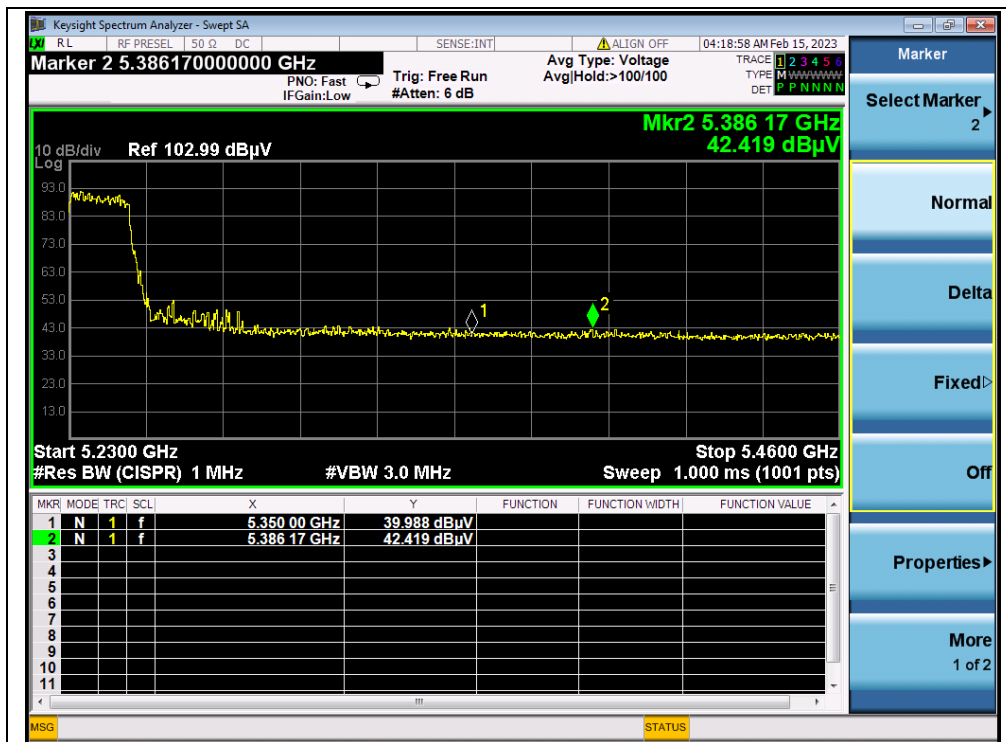
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
38	5149.29	PK	50.89	-19.54	32.20	63.55	74	PASS
38	5150.00	AV	37.83	-19.54	32.20	50.49	54	PASS
46	5386.17	PK	42.42	-19.54	32.20	55.08	74	PASS
46	5387.32	AV	33.12	-19.54	32.20	45.78	54	PASS
151	5725.00	PK	42.12	-19.01	32.20	55.31	122.23	PASS
159	5925.00	PK	41.10	-19.01	32.20	54.29	122.23	PASS



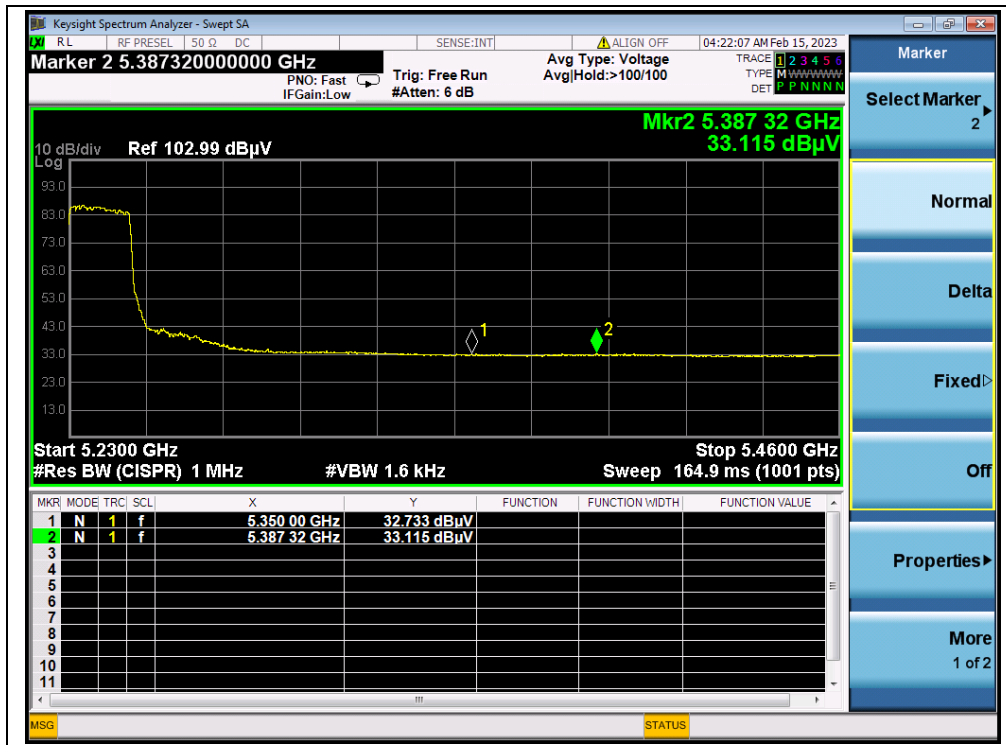
(PEAK, Channel 38, 802.11n (HT40))



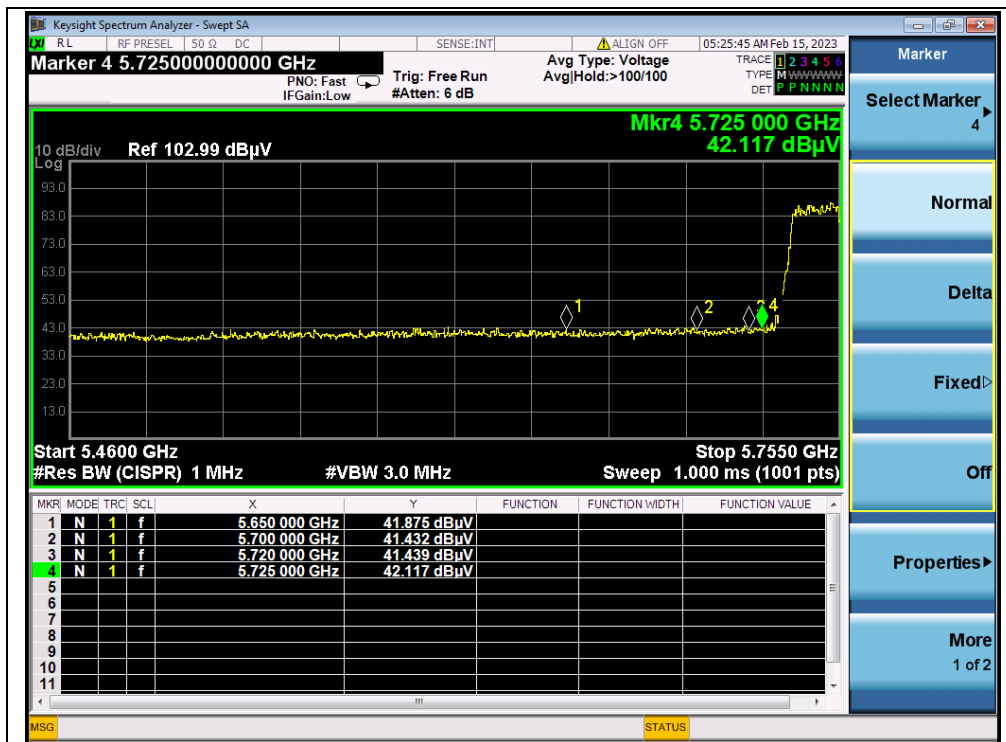
(AVERAGE, Channel 38, 802.11n (HT40))



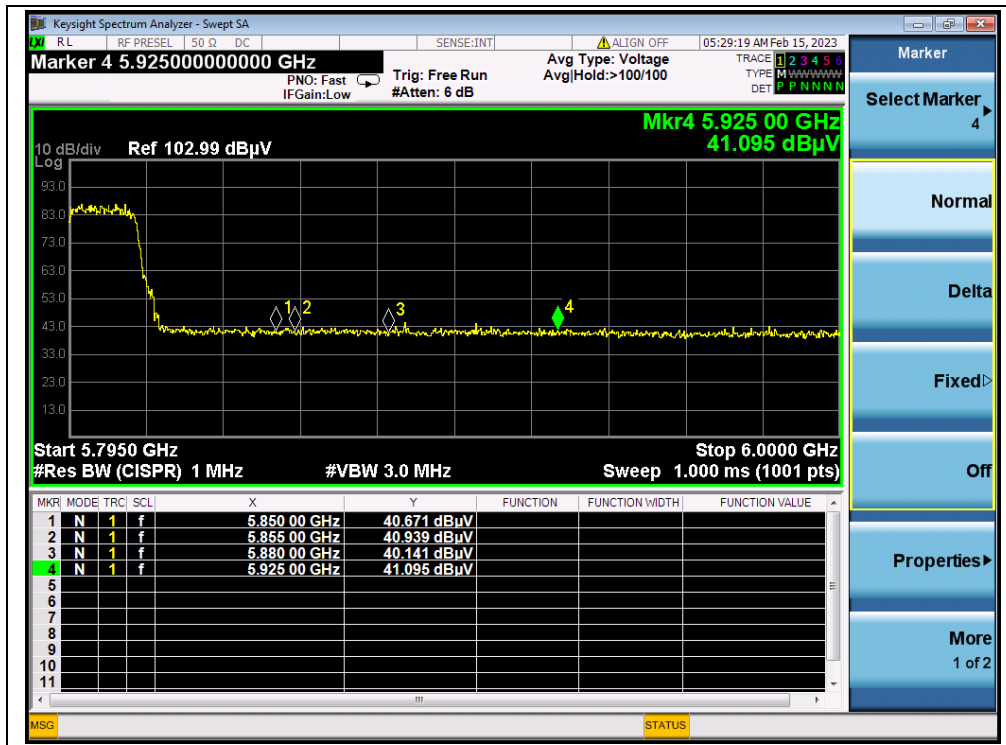
(PEAK, Channel 48, 802.11n (HT40))



(AVERAGE, Channel 48, 802.11n (HT40))



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

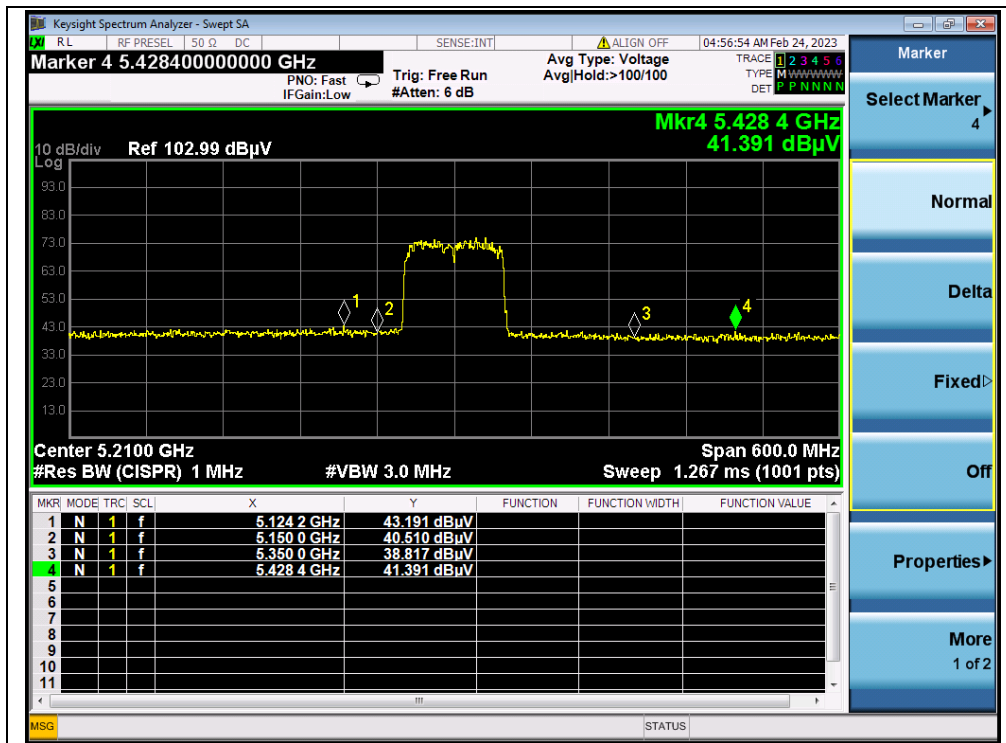


(PEAK, Channel 159, 802.11n (HT40))

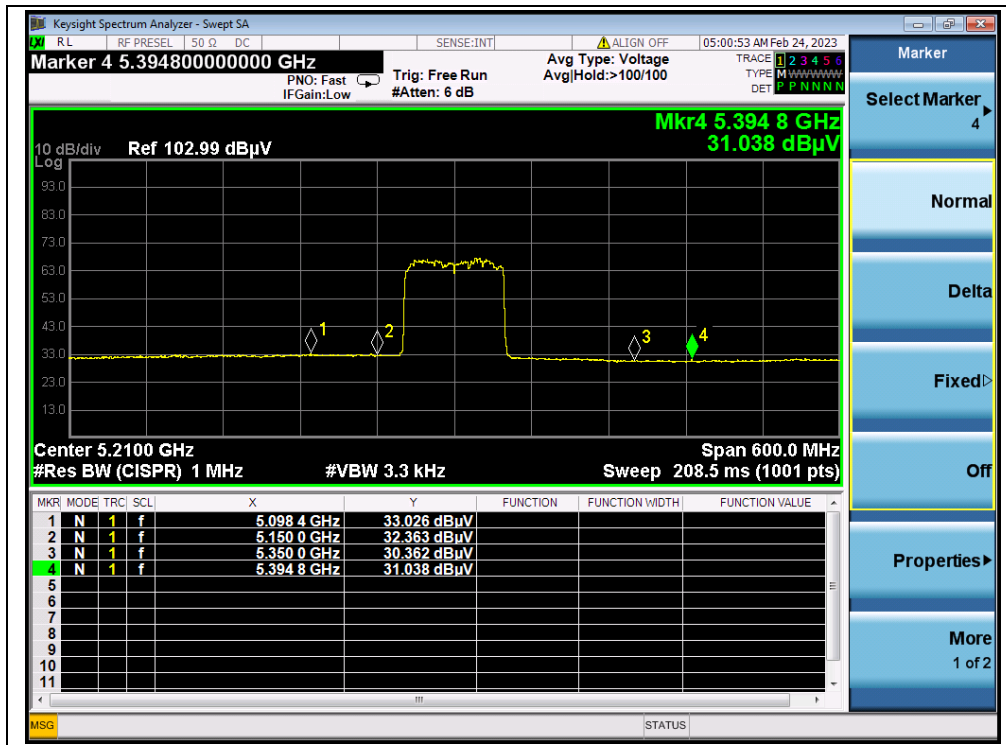


802.11ac (VHT80) Mode

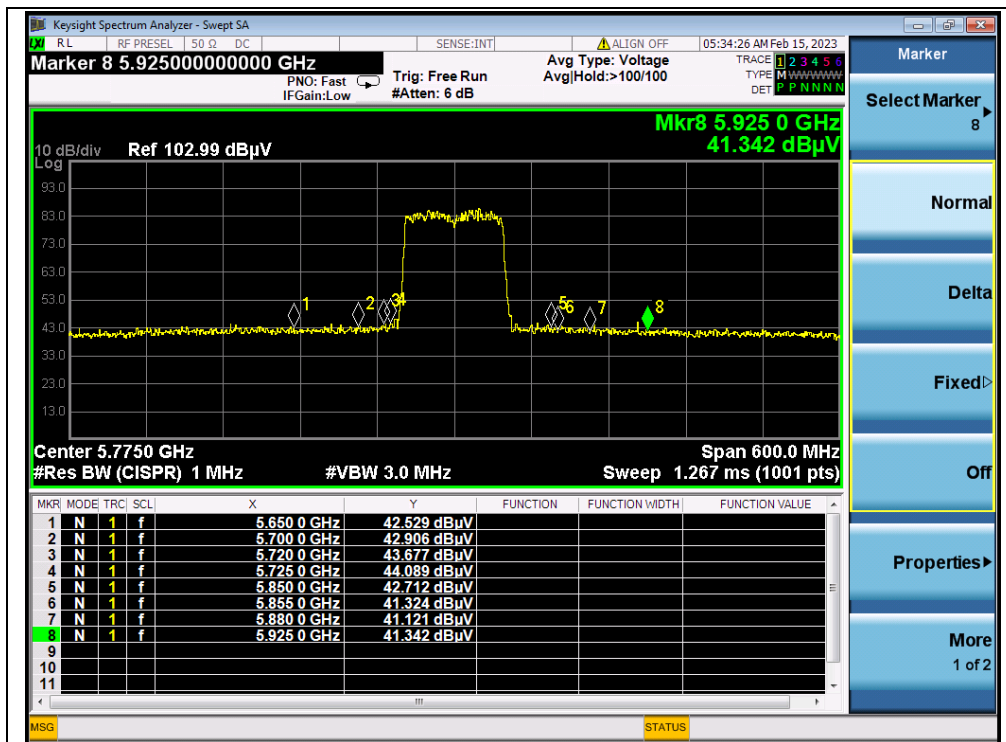
Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBuV)	A _T (dB)	A _{Factor} (dB@ 3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
42	5124.20	PK	43.19	-19.54	32.20	55.85	74	PASS
42	5098.40	AV	33.03	-19.54	32.20	45.69	54	PASS
42	5428.40	PK	41.39	-19.54	32.20	54.05	74	PASS
42	5394.80	AV	31.04	-19.54	32.20	43.70	54	PASS
155	5725.00	PK	44.09	-19.01	32.20	57.28	122.23	PASS
155	5850.00	PK	42.71	-19.01	32.20	55.90	101.53	PASS



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



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



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



A.8. 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.

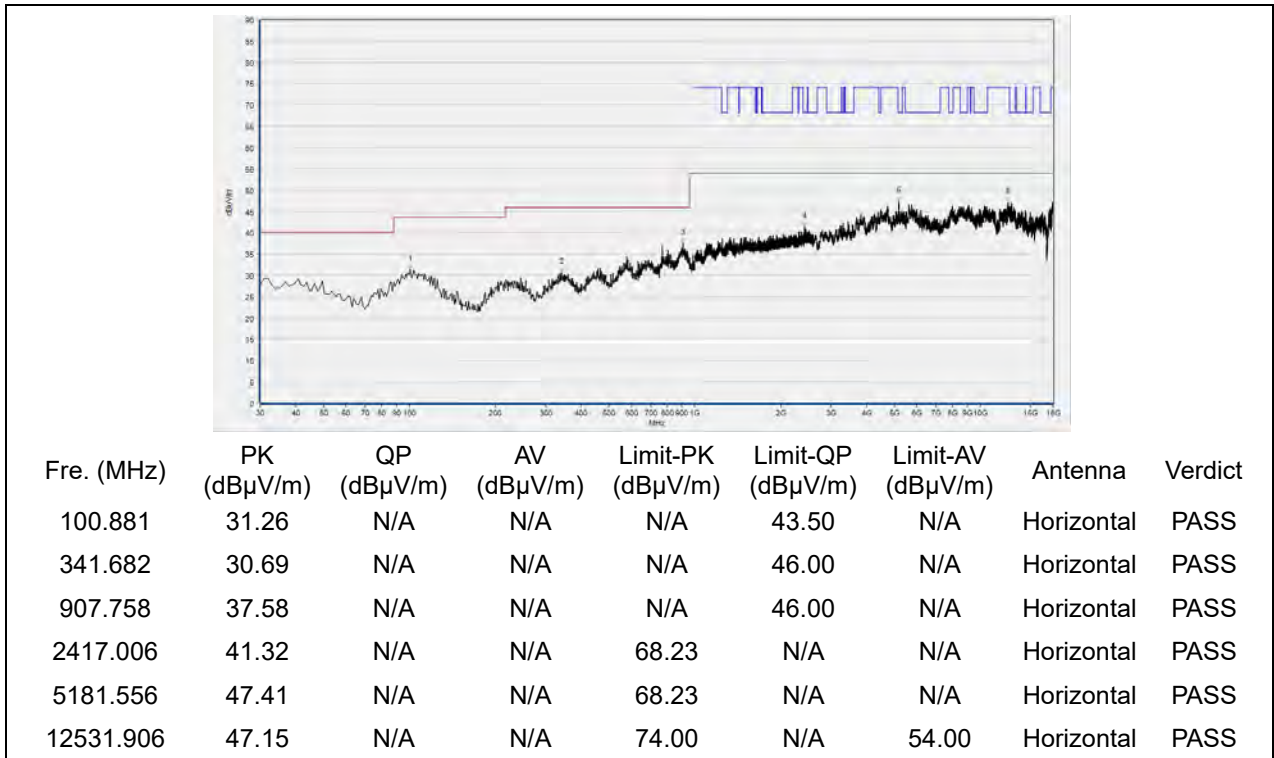
Note3: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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

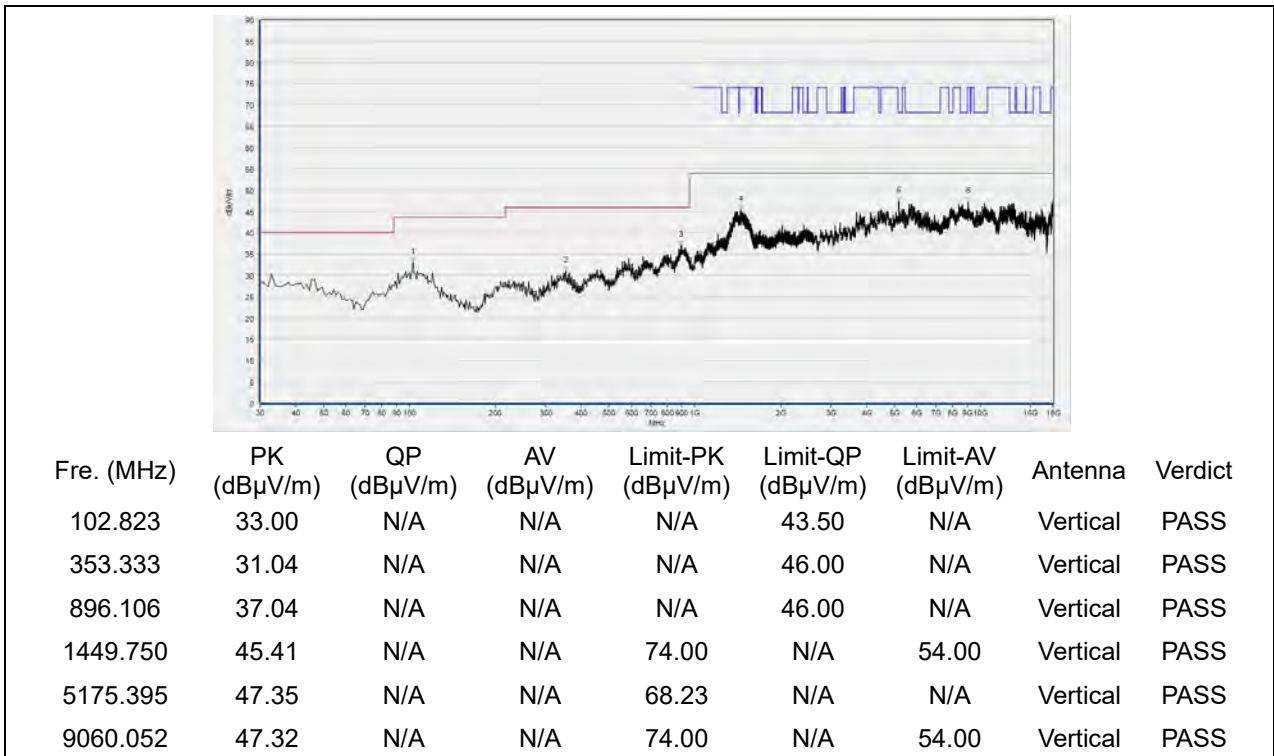


802.11a Mode

Plot for Channel 36

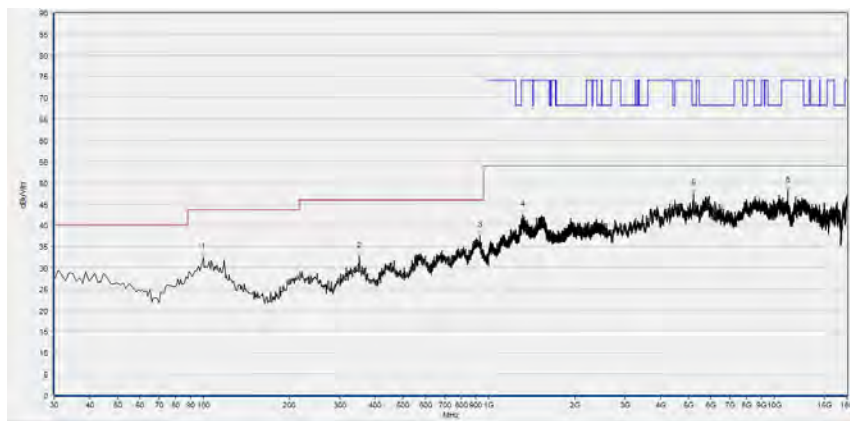


(Antenna Horizontal, 30MHz to 18GHz)



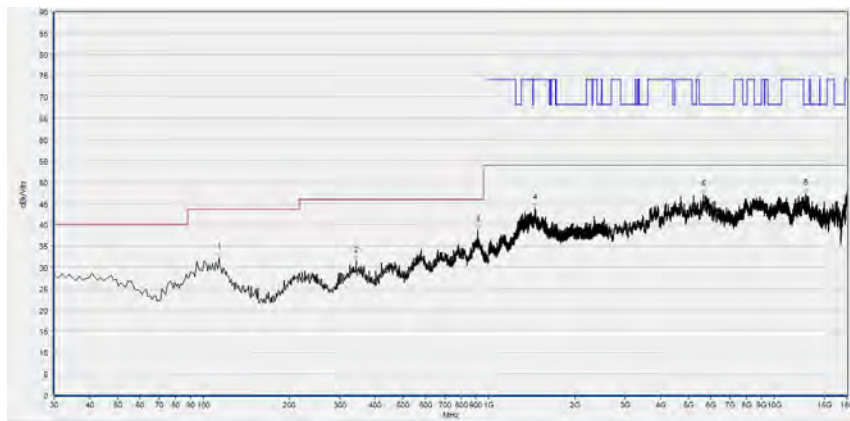
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	32.29	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
352.362	32.69	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
931.061	37.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1313.705	42.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5215.443	47.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11133.307	48.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

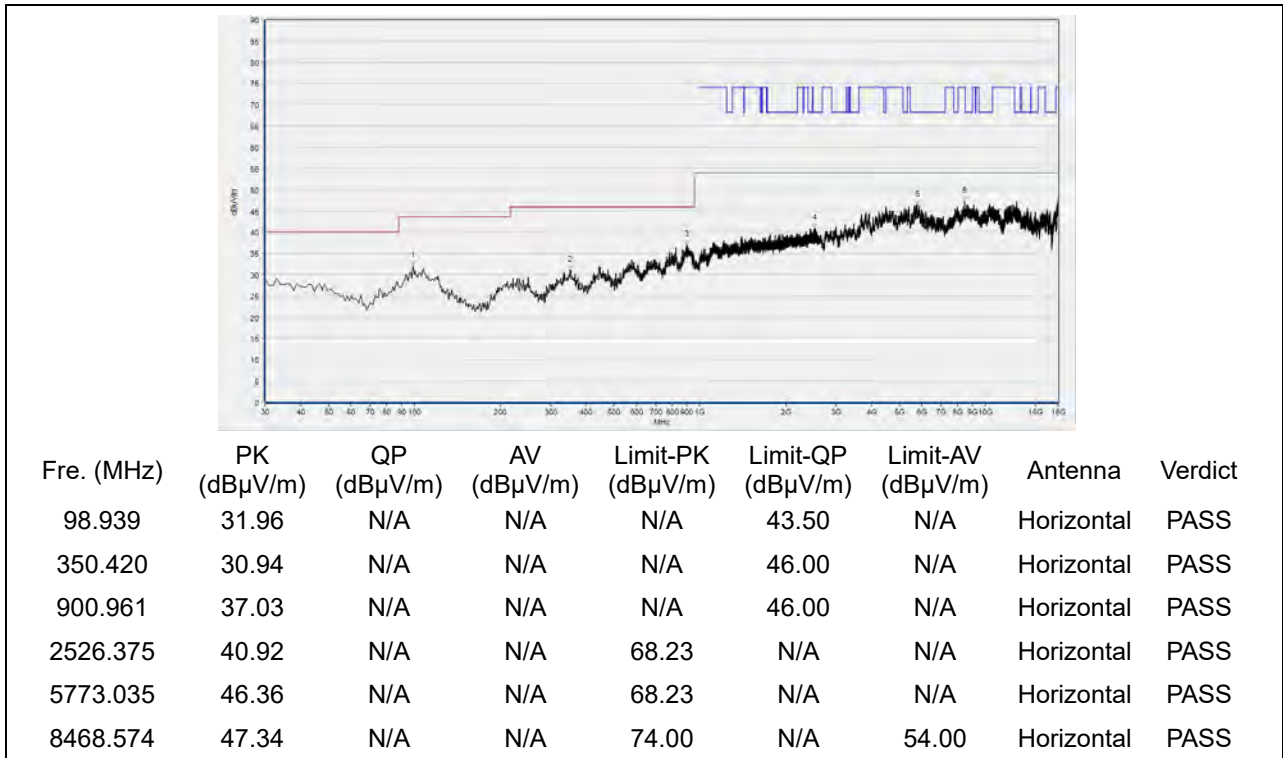
(Antenna Horizontal, 30MHz to 18GHz)



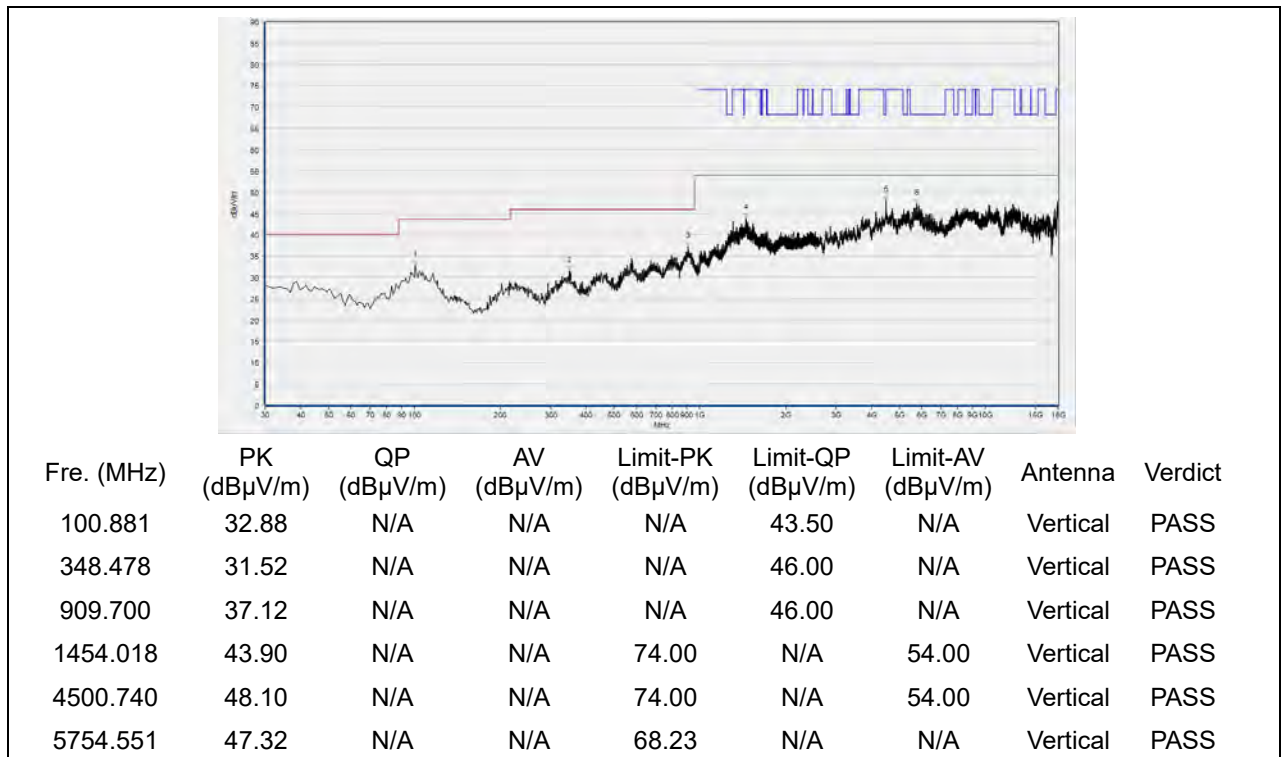
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
113.504	32.14	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
342.653	31.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
914.555	38.78	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1452.951	43.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5652.891	47.14	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12864.613	47.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48

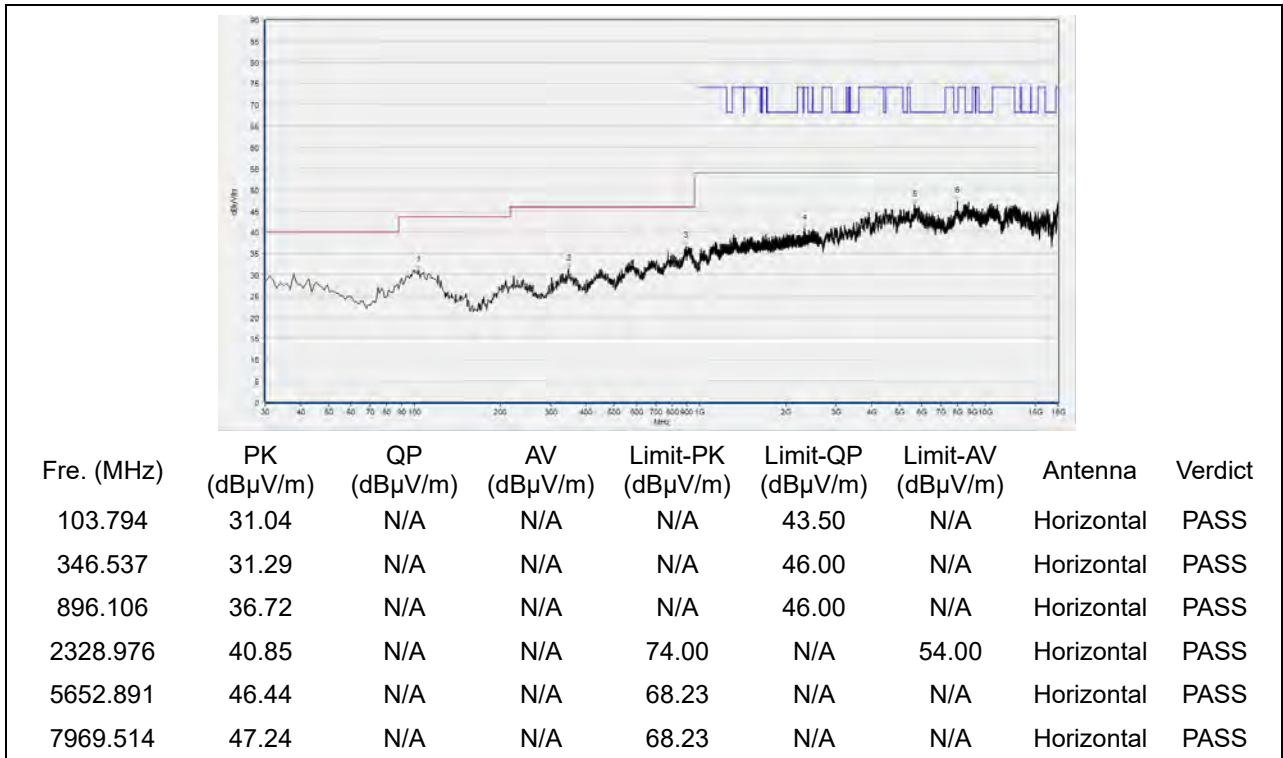


(Antenna Horizontal, 30MHz to 18GHz)

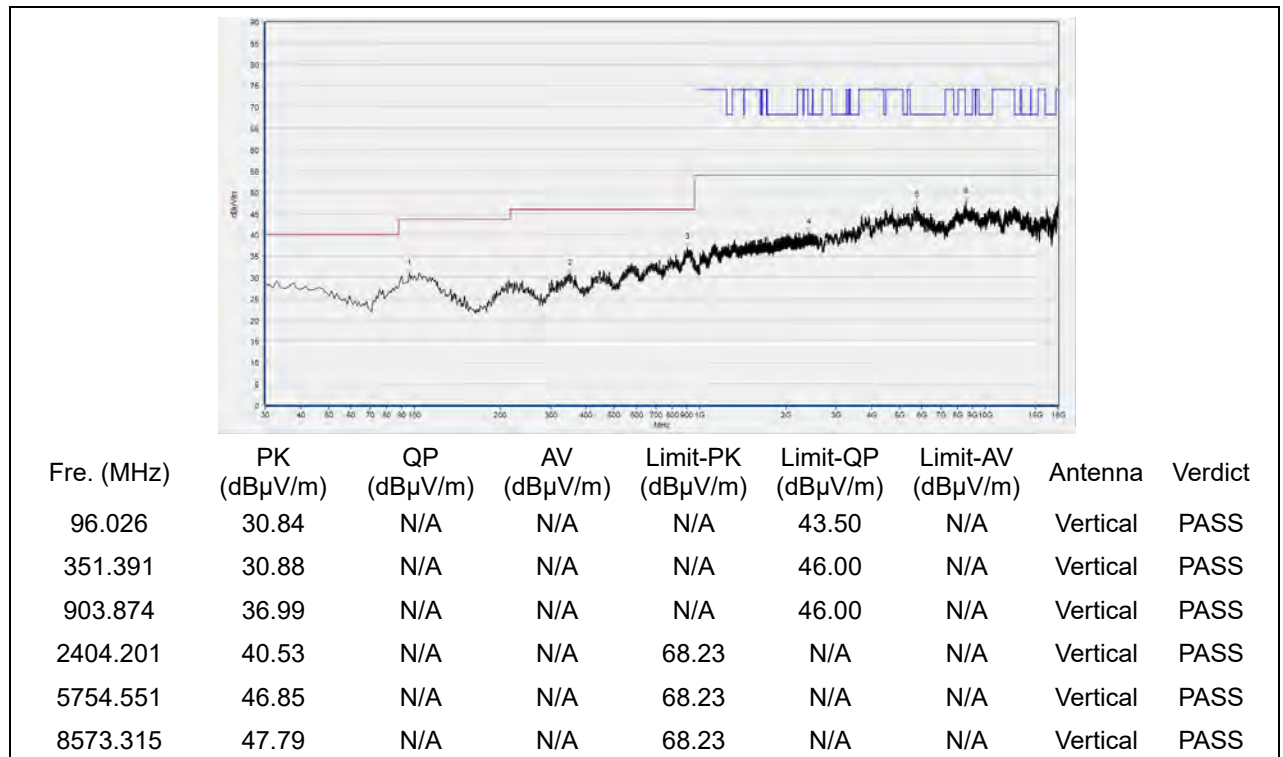


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149

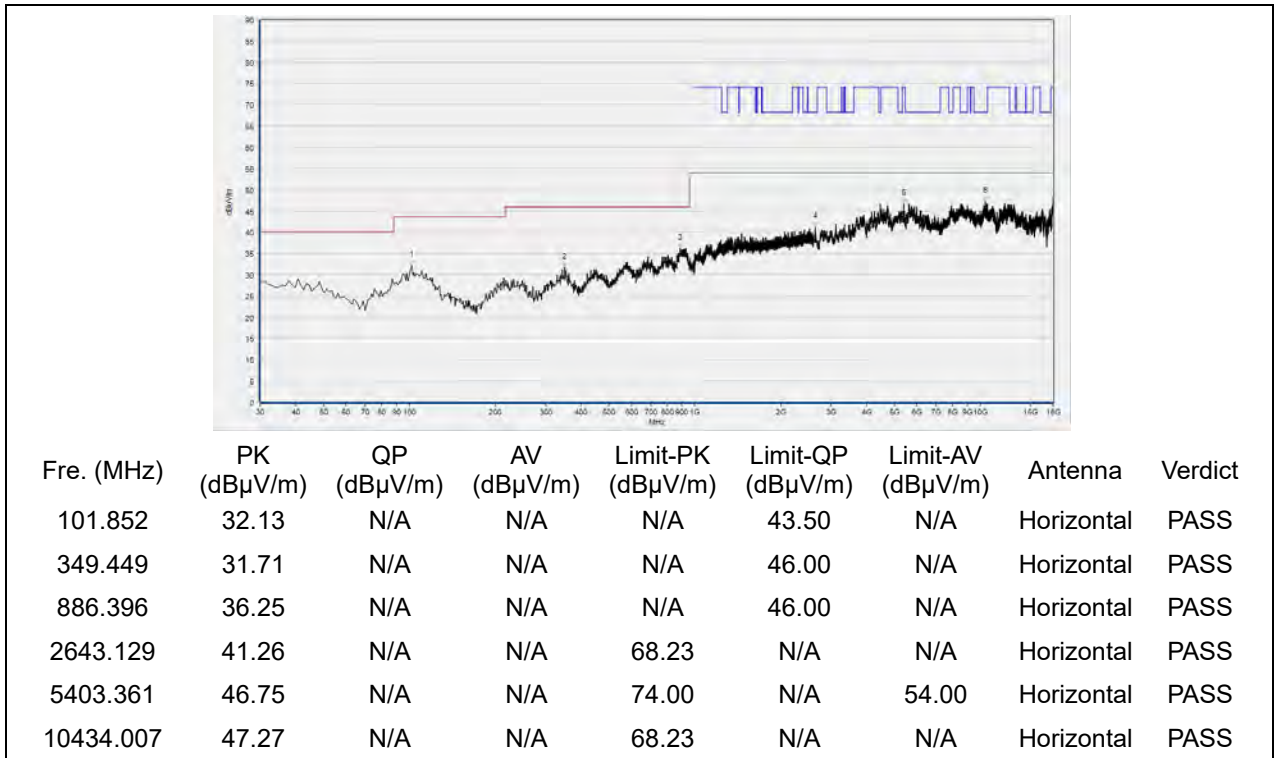


(Antenna Horizontal, 30MHz to 18GHz)

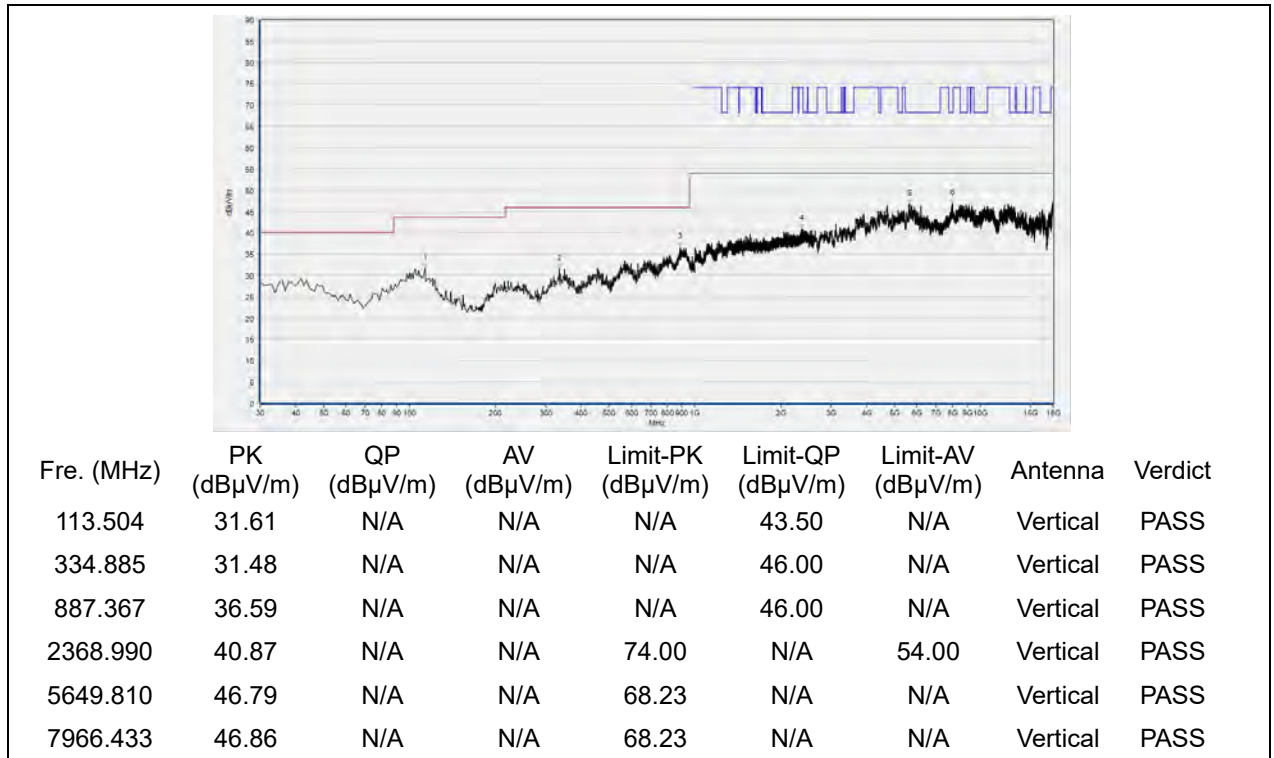


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157

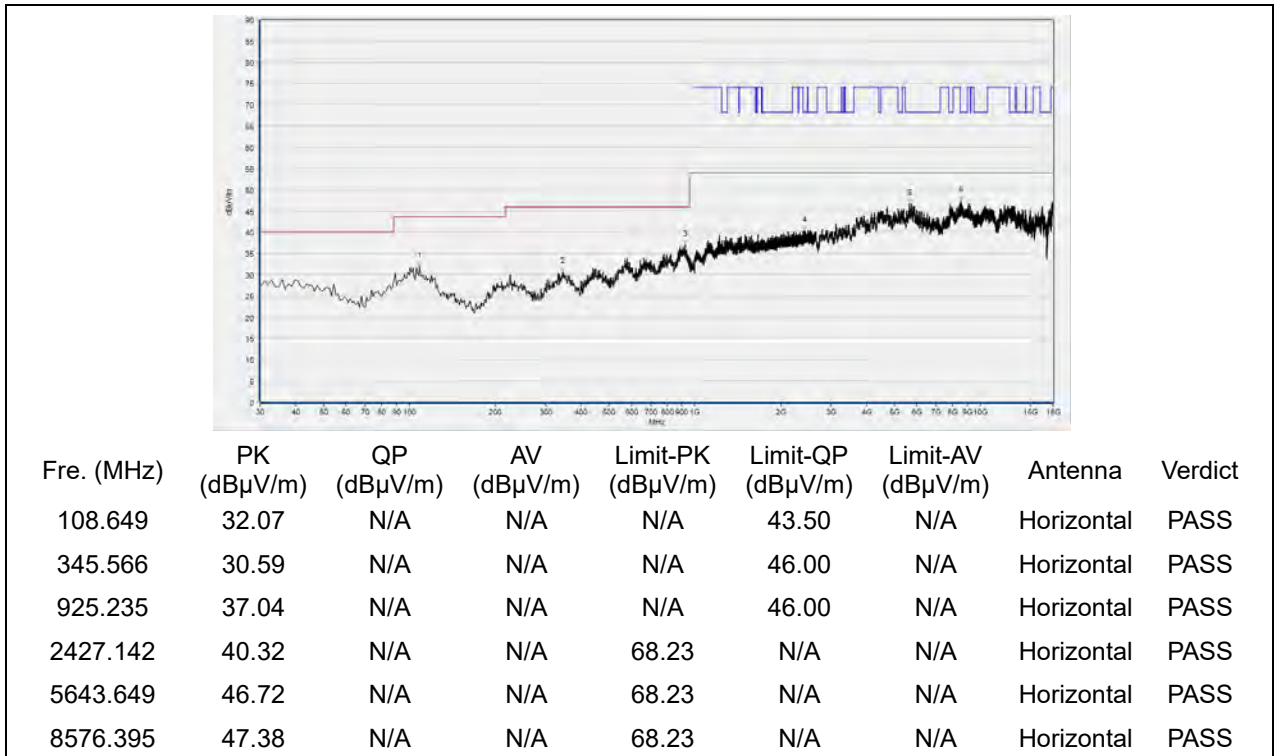


(Antenna Horizontal, 30MHz to 18GHz)

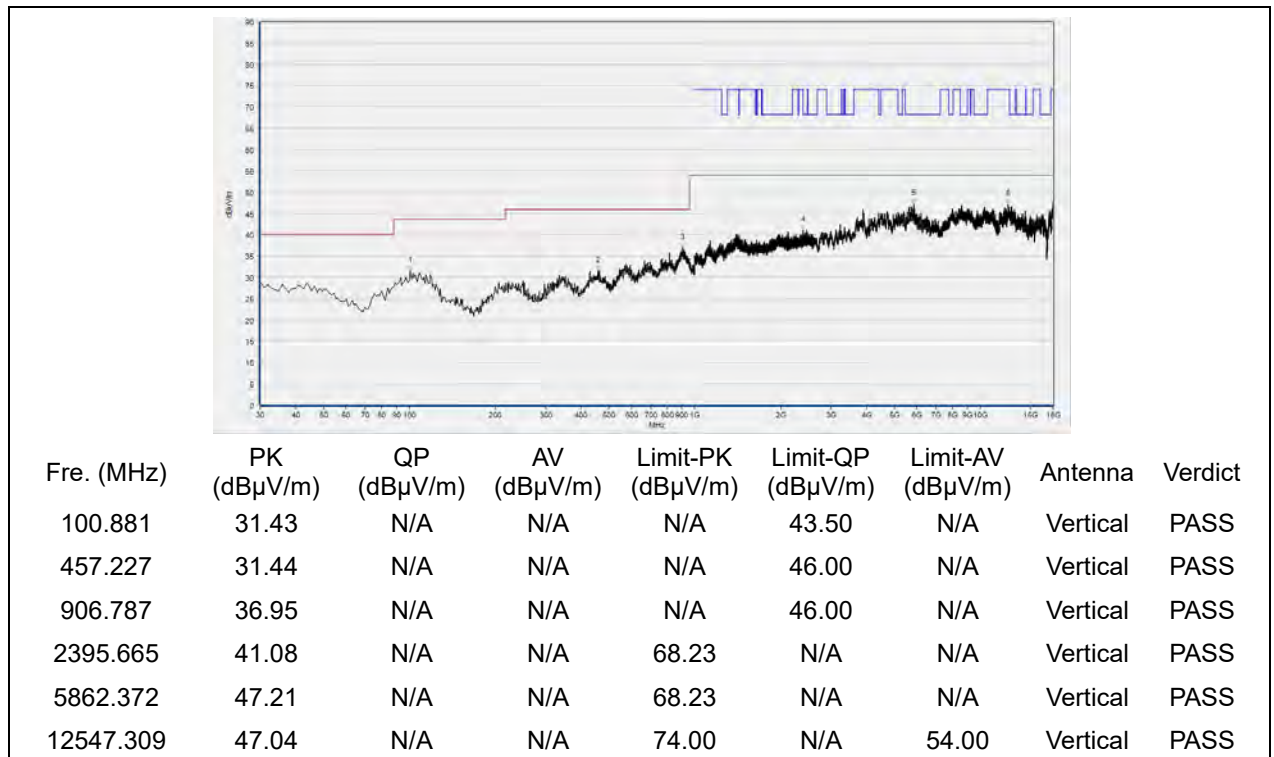


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



(Antenna Horizontal, 30MHz to 18GHz)

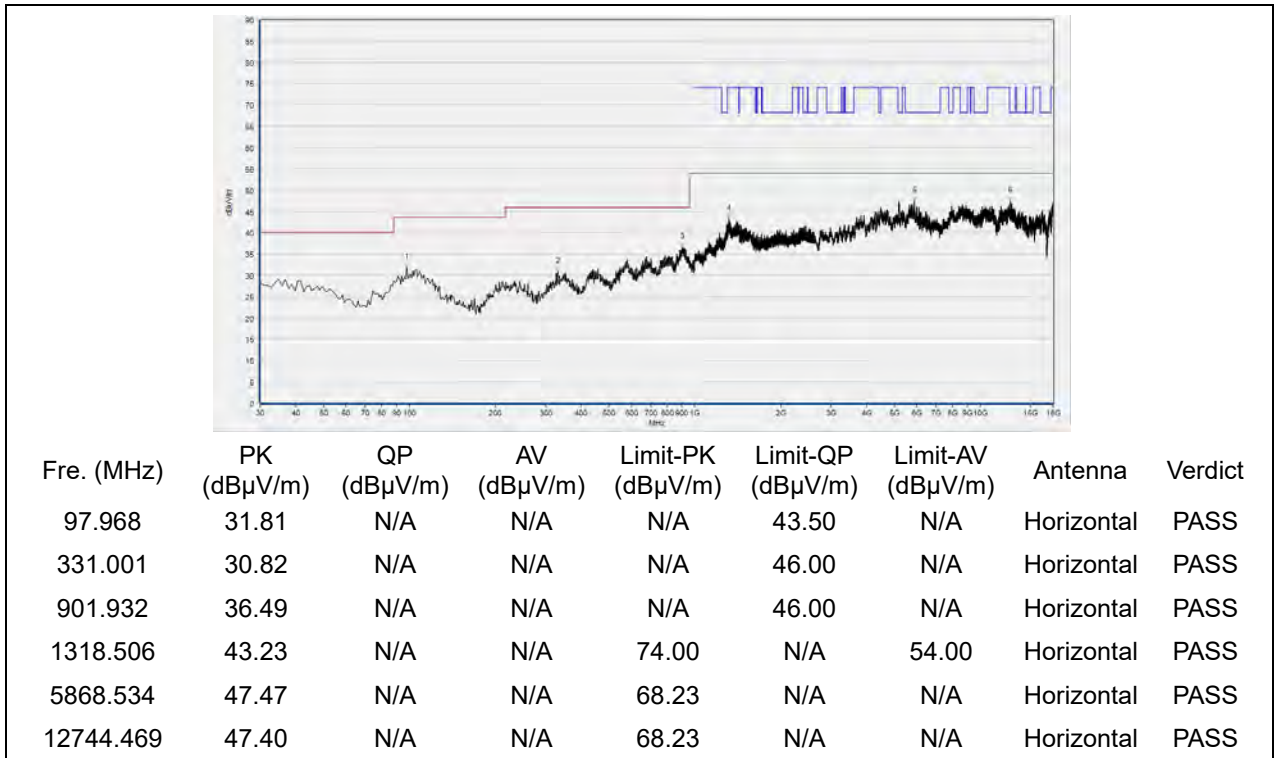


(Antenna Vertical, 30MHz to 18GHz)

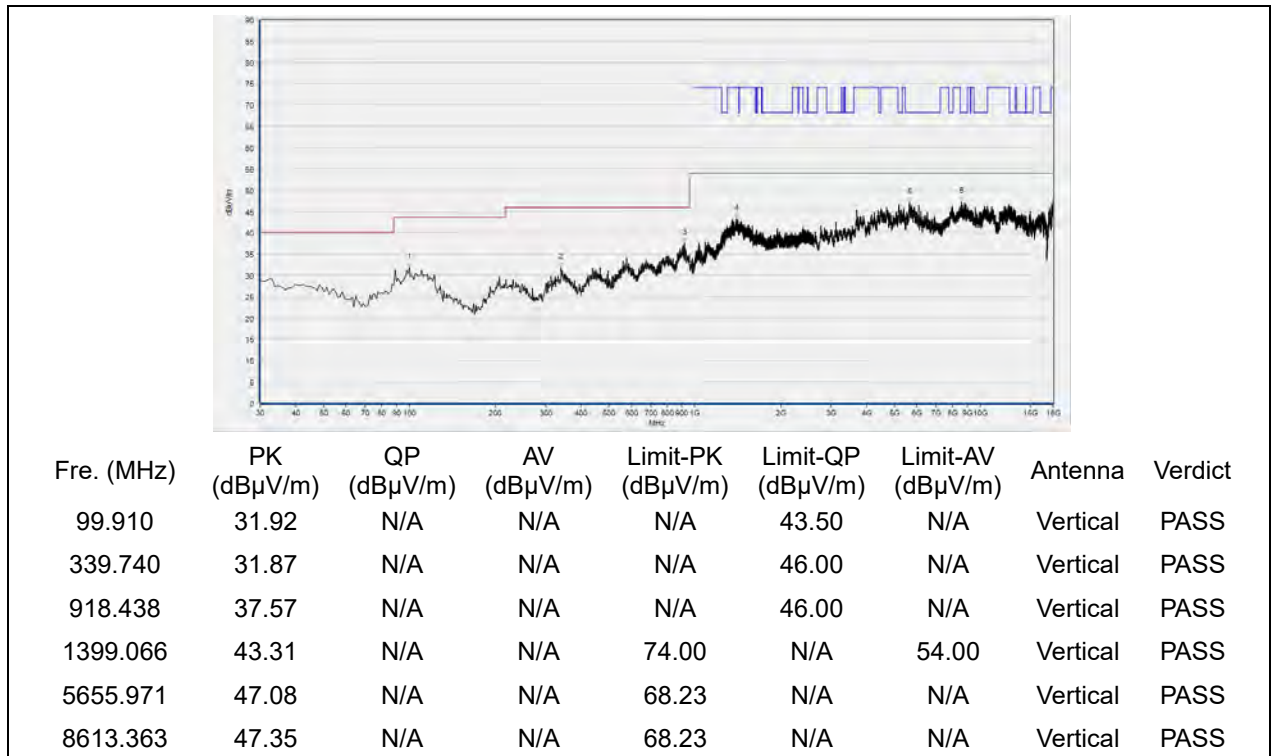


802.11n (HT40) mode

Plot for Channel 38

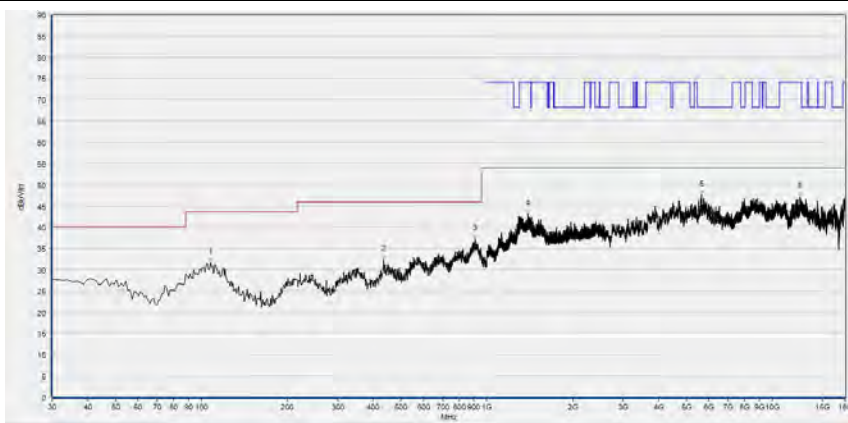


(Antenna Horizontal, 30MHz to 18GHz)



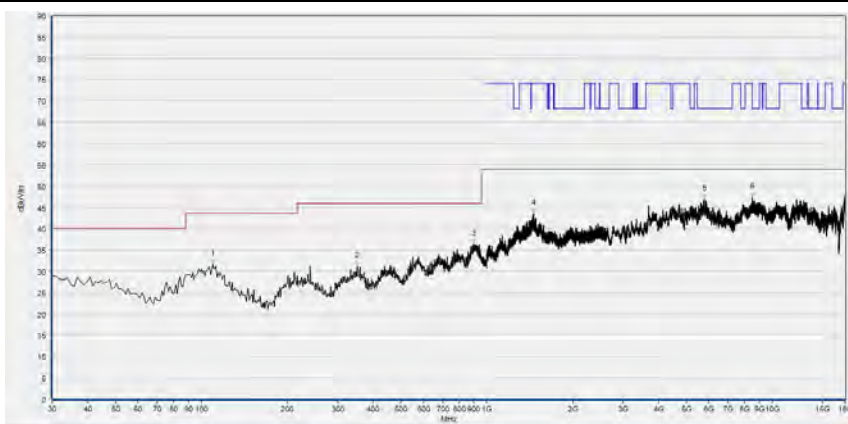
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 46



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	31.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
434.895	32.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
911.642	37.25	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1390.530	43.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5640.568	47.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12510.342	47.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

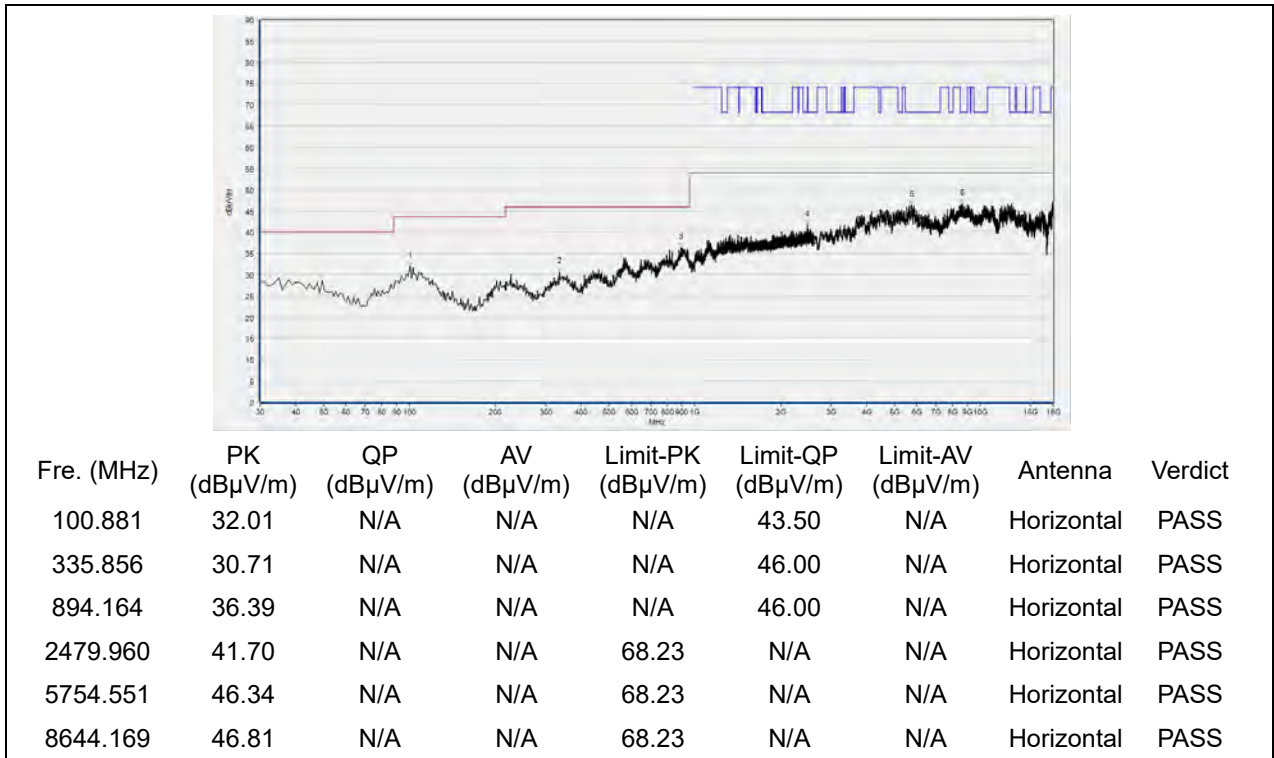
(Antenna Horizontal, 30MHz to 18GHz)



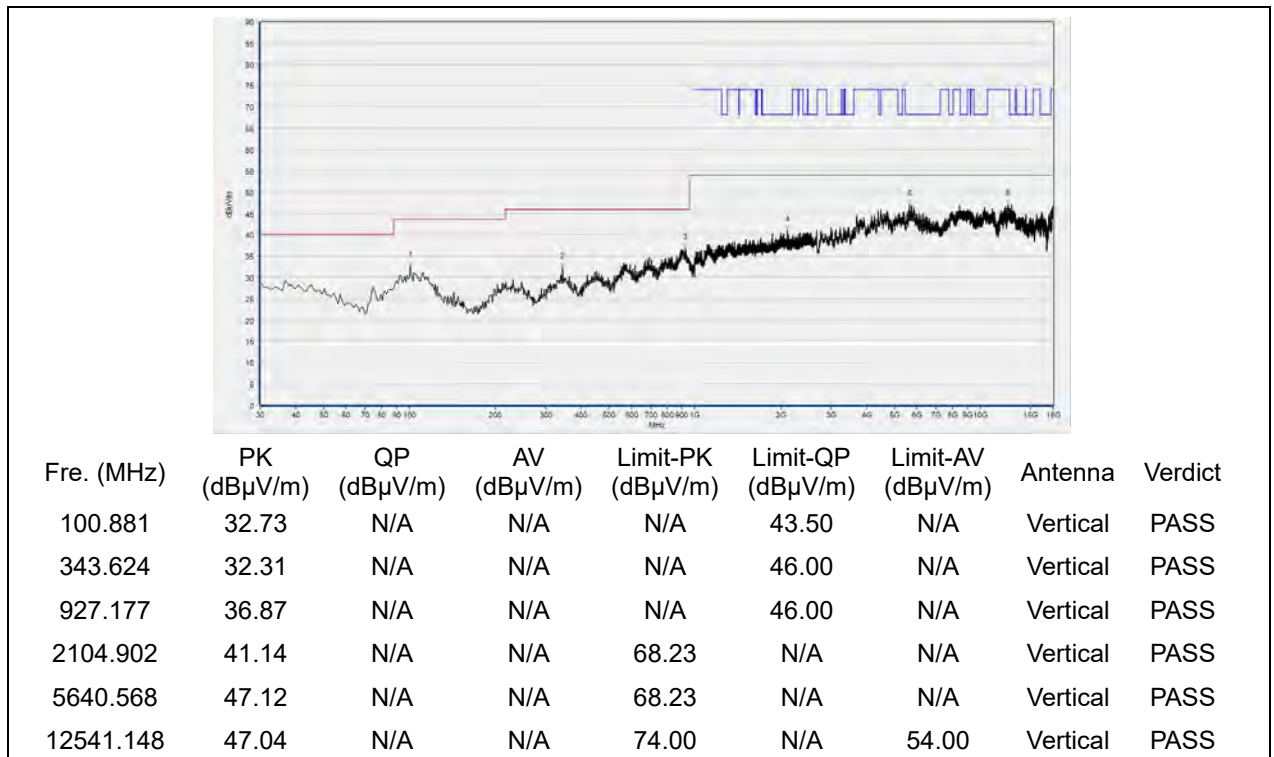
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	31.62	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
352.362	31.13	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.961	36.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1457.219	43.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5769.954	47.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8490.138	47.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 151

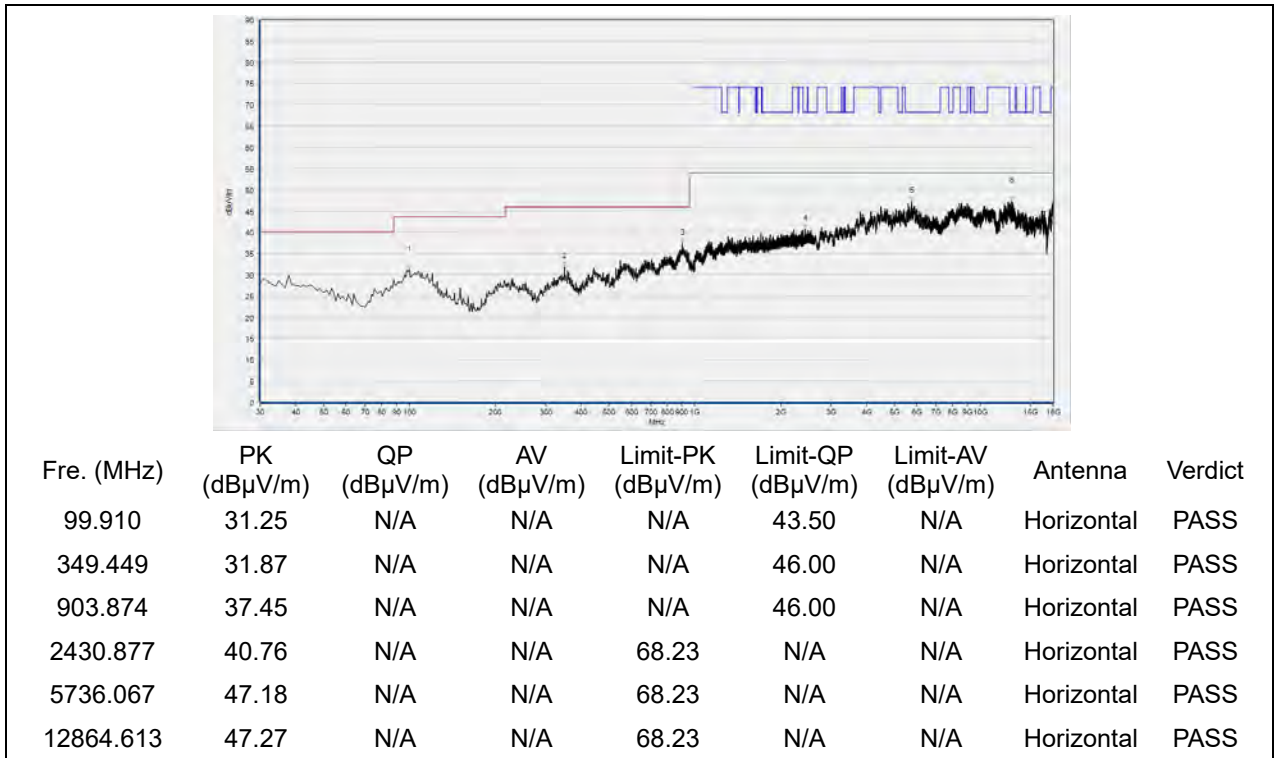


(Antenna Horizontal, 30MHz to 18GHz)

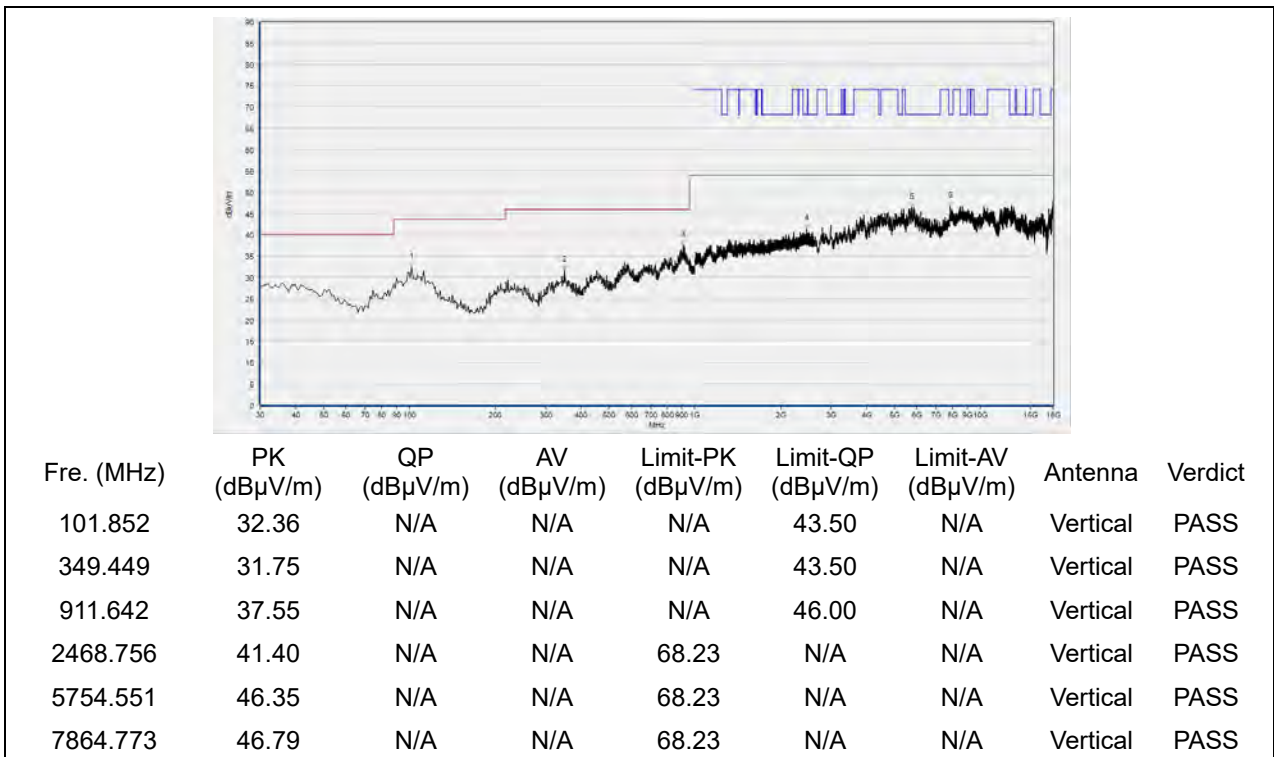


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 159



(Antenna Horizontal, 30MHz to 18GHz)

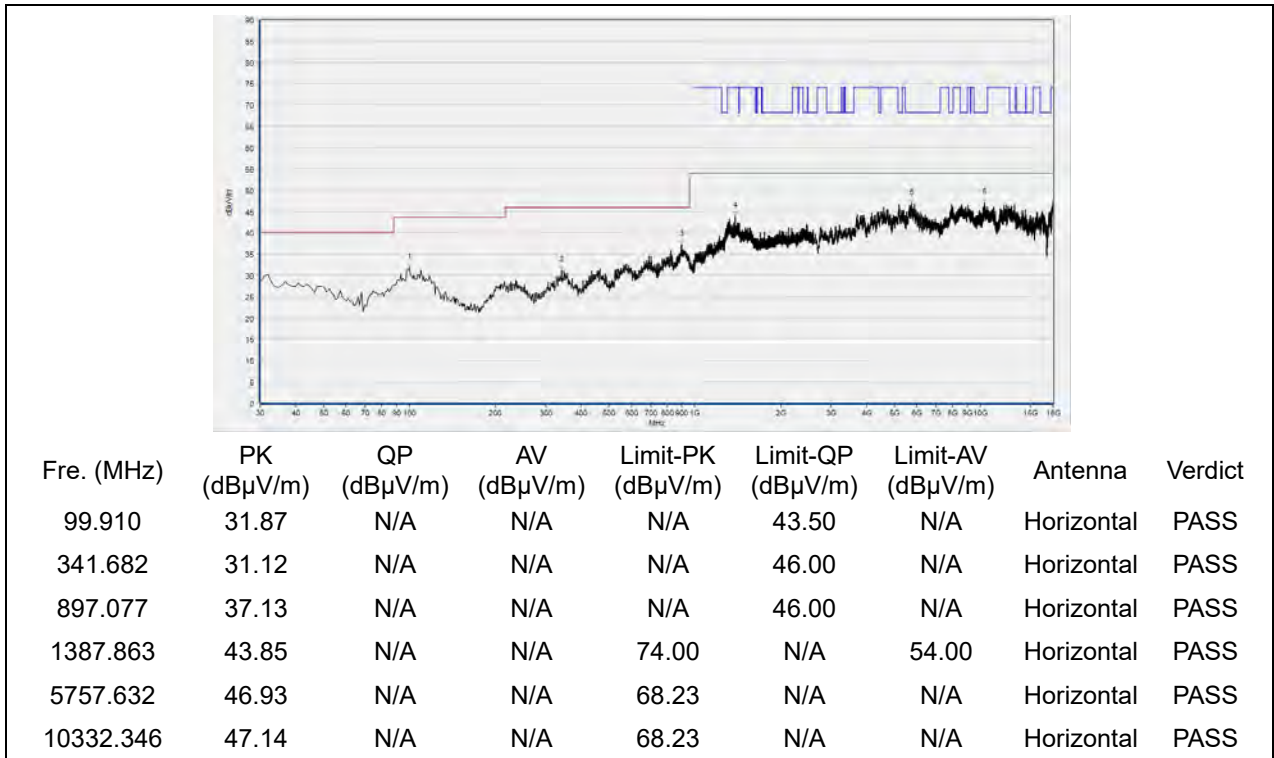


(Antenna Vertical, 30MHz to 18GHz)

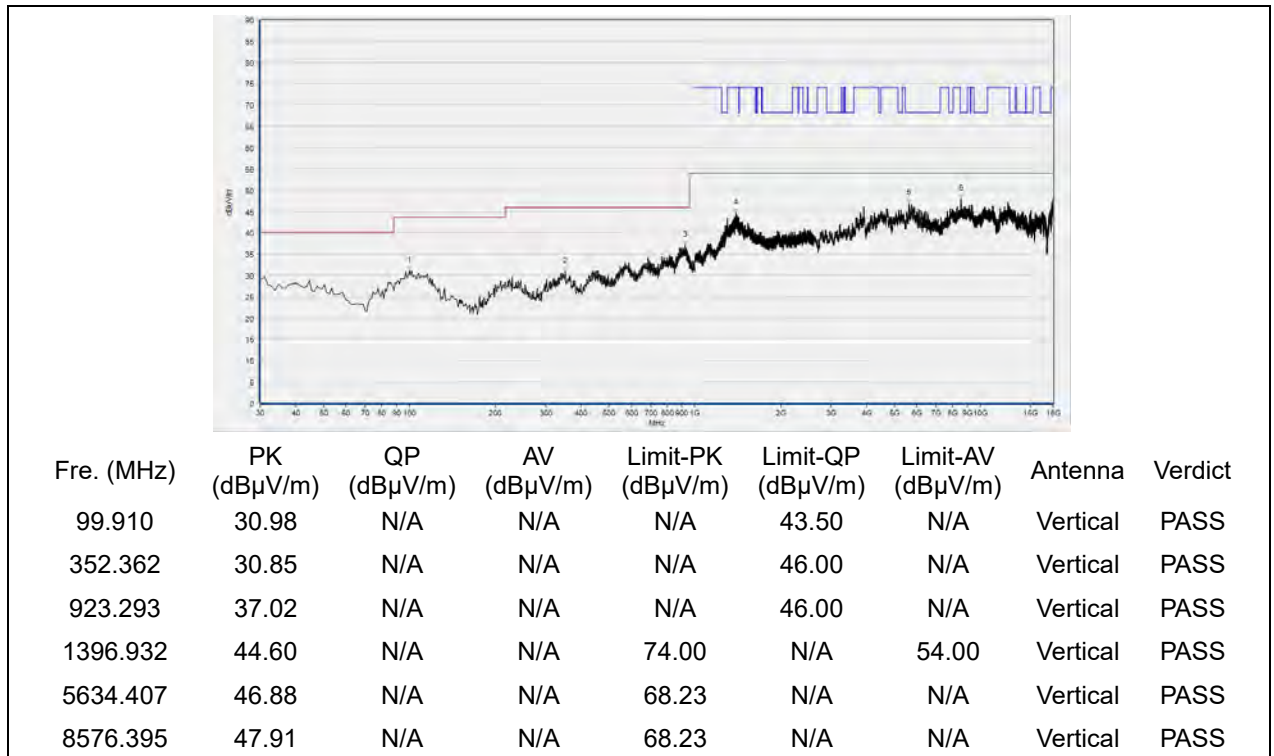


802.11ac (VHT80) Mode

Plot for Channel 42

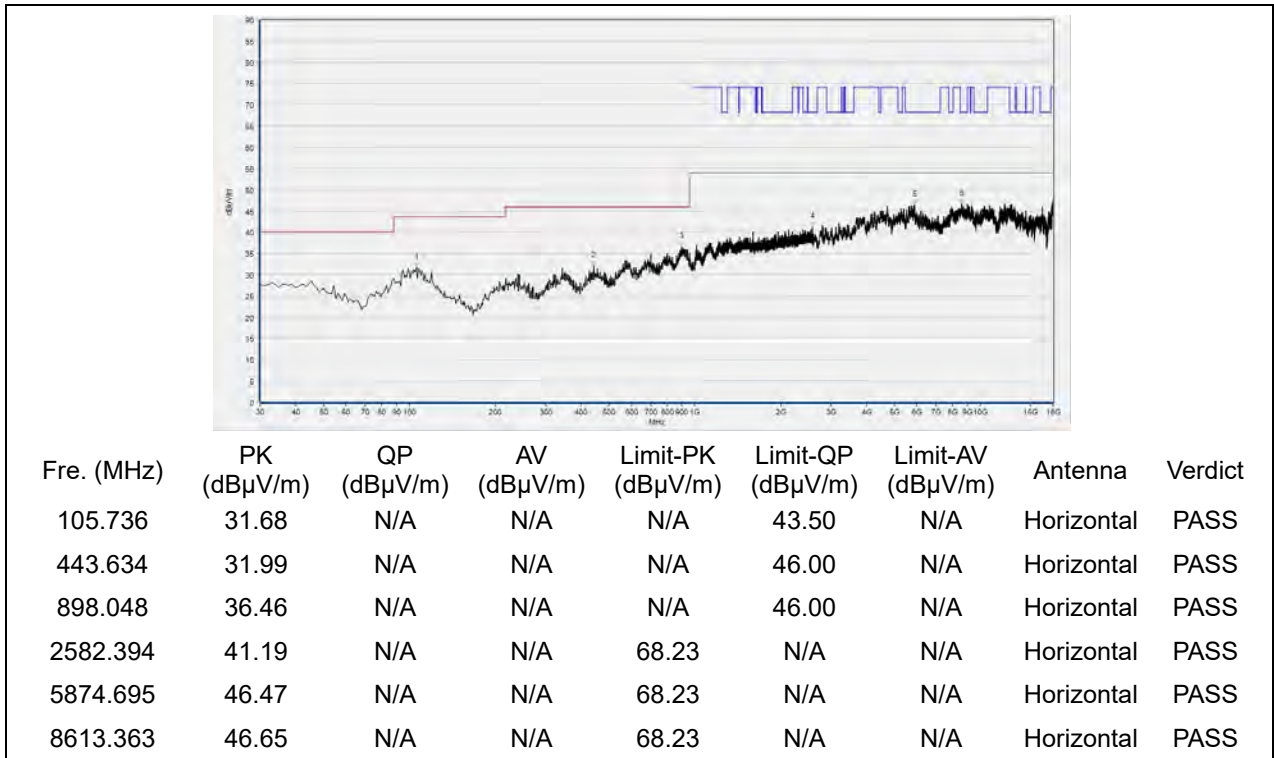


(Antenna Horizontal, 30MHz to 18GHz)

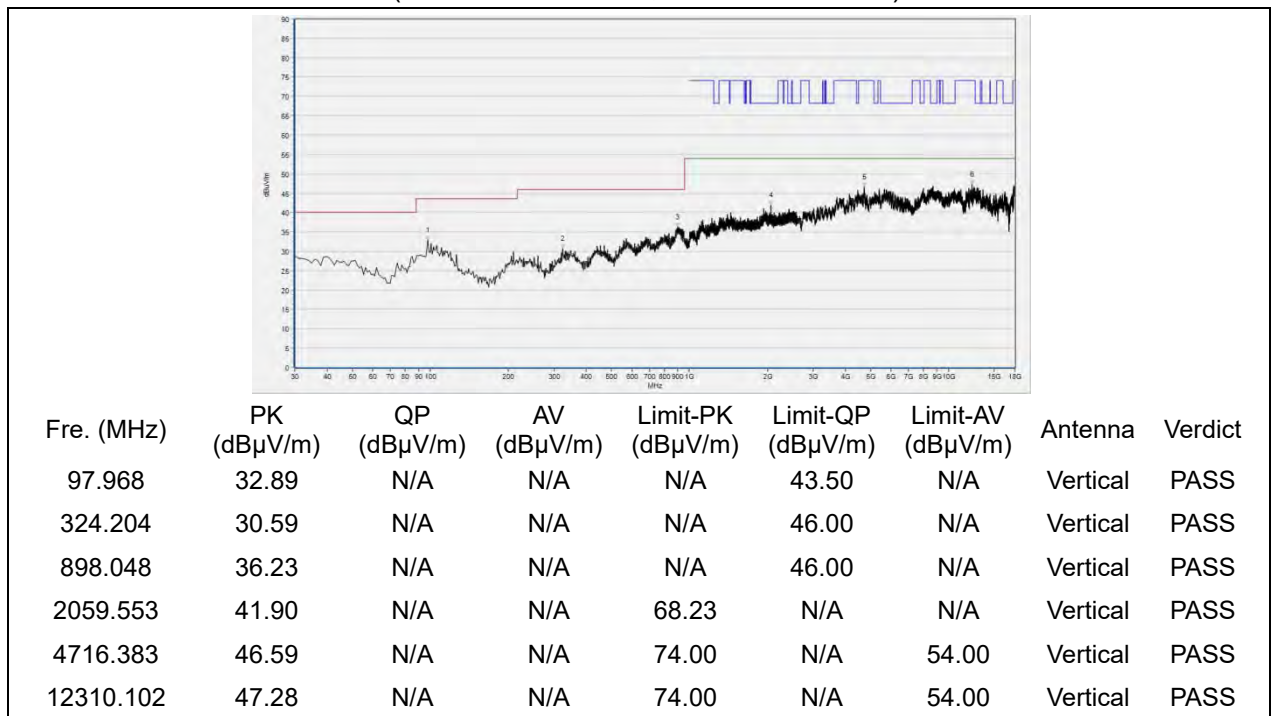


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 155



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

————— END OF REPORT —————