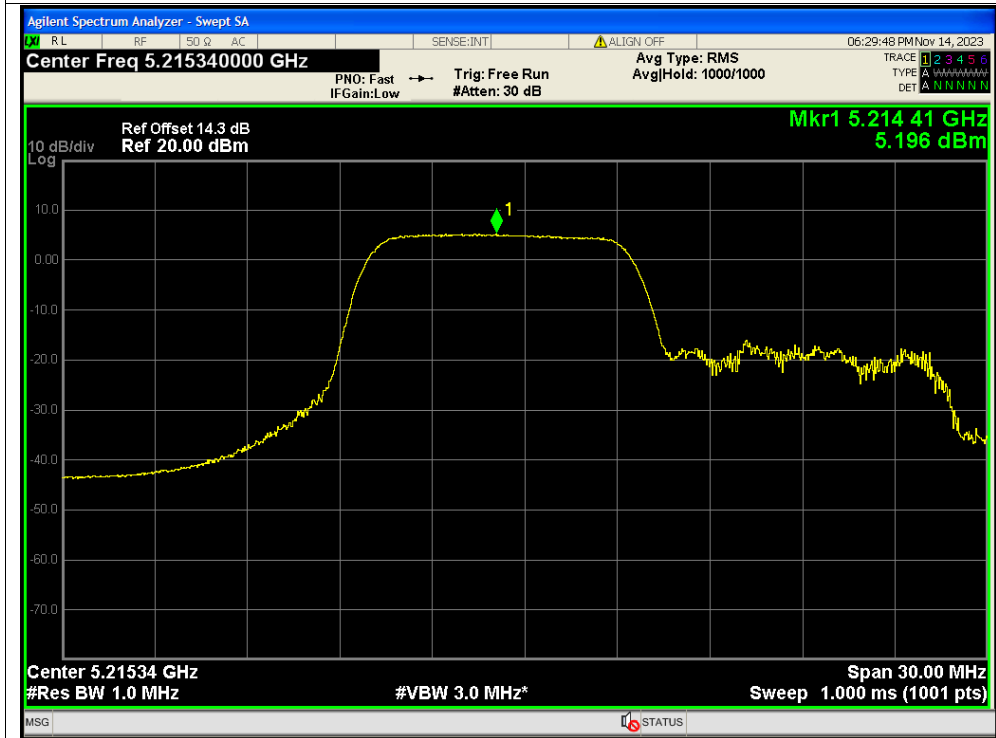
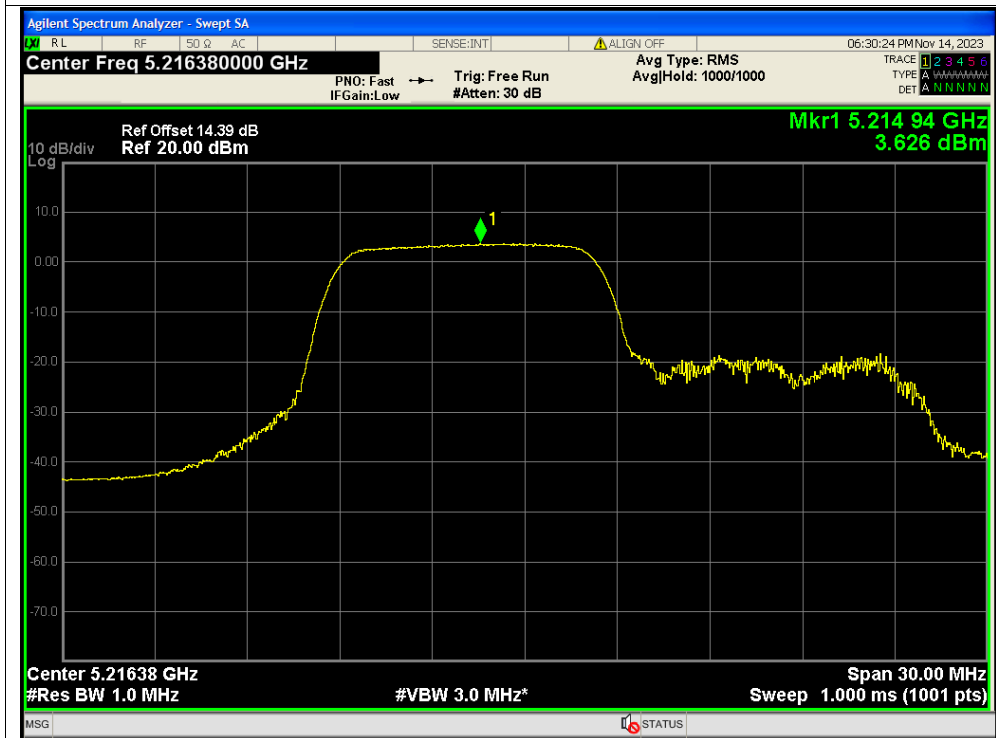




PSD NVNT ax20 106@53 5220MHz Ant1

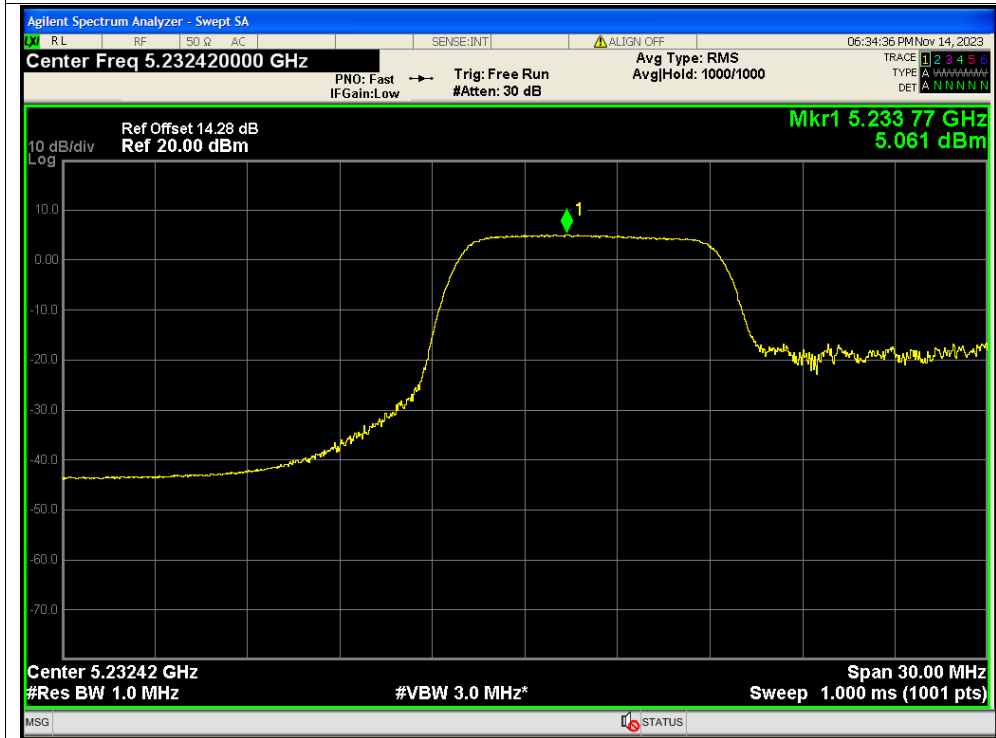


PSD NVNT ax20 106@53 5220MHz Ant2

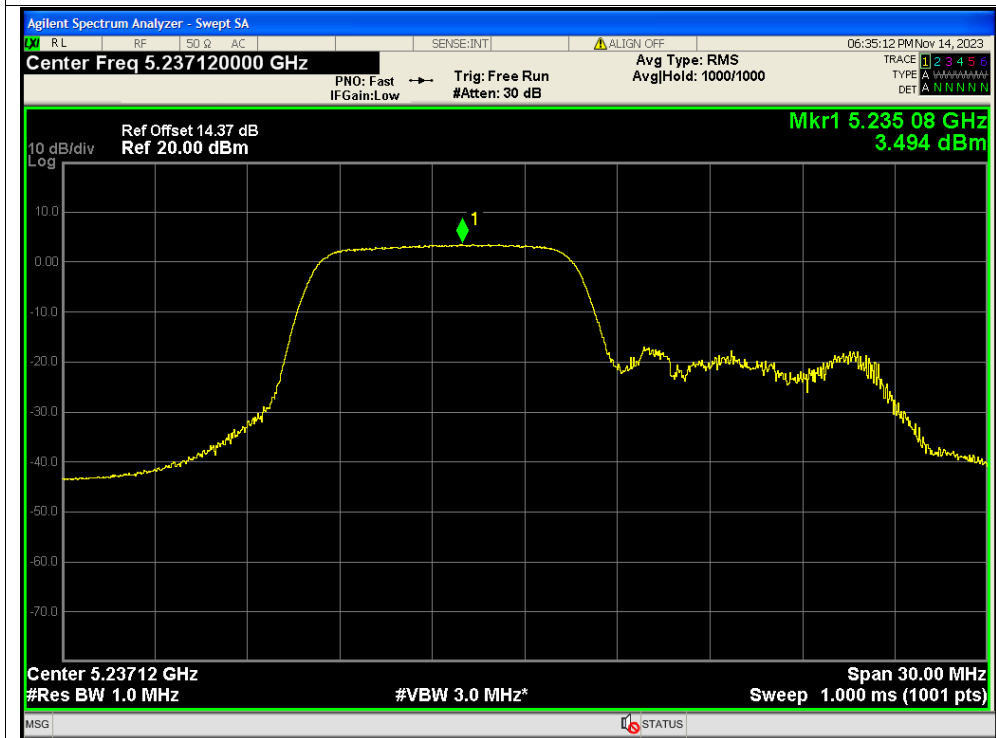




PSD NVNT ax20 106@53 5240MHz Ant1

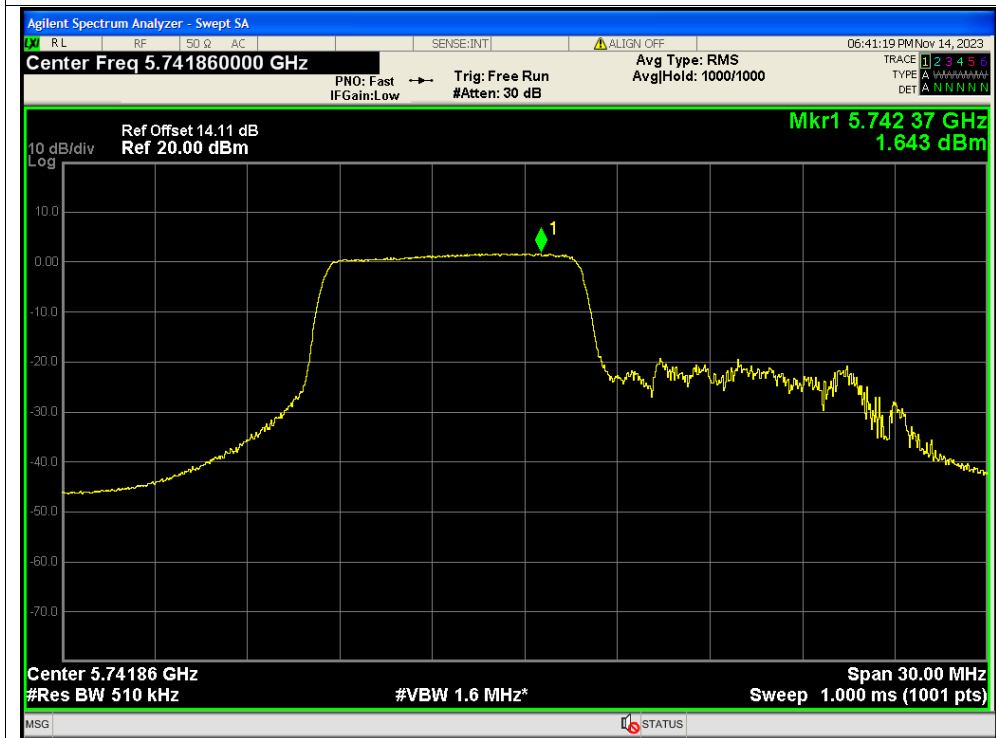


PSD NVNT ax20 106@53 5240MHz Ant2

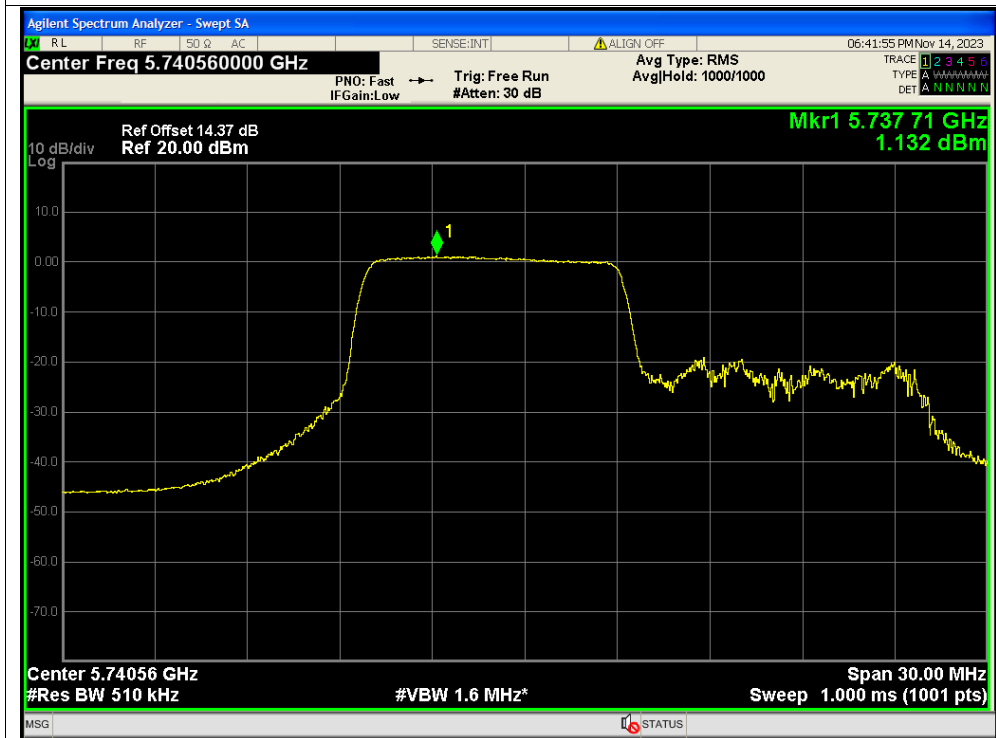




PSD NVNT ax20 106@53 5745MHz Ant1

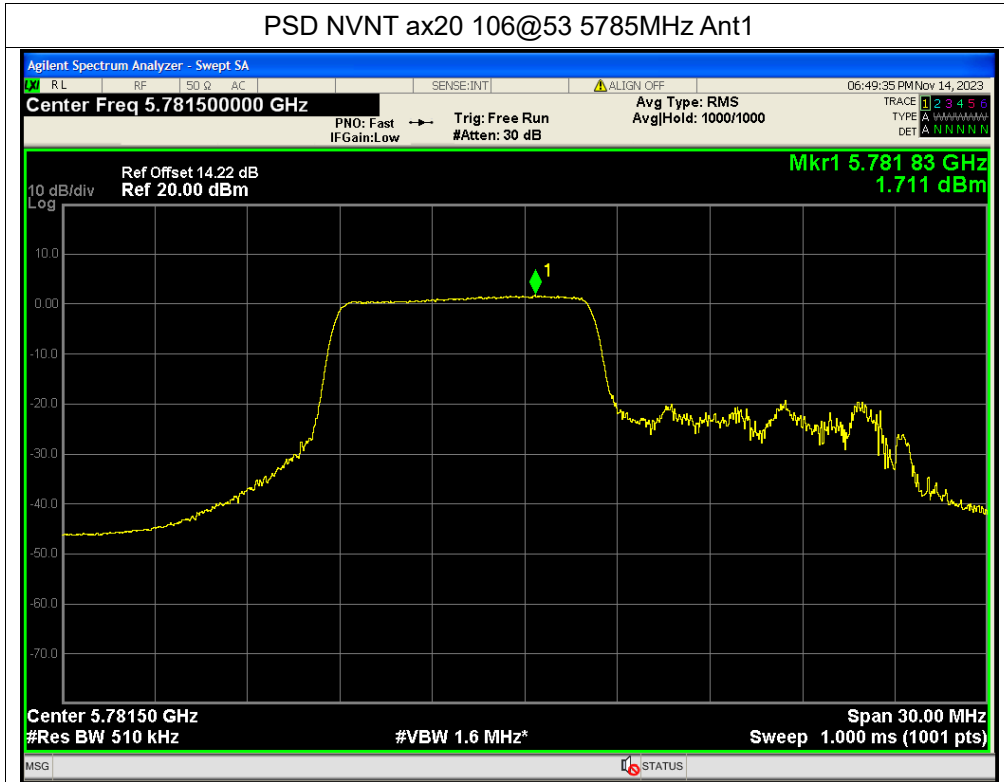


PSD NVNT ax20 106@53 5745MHz Ant2

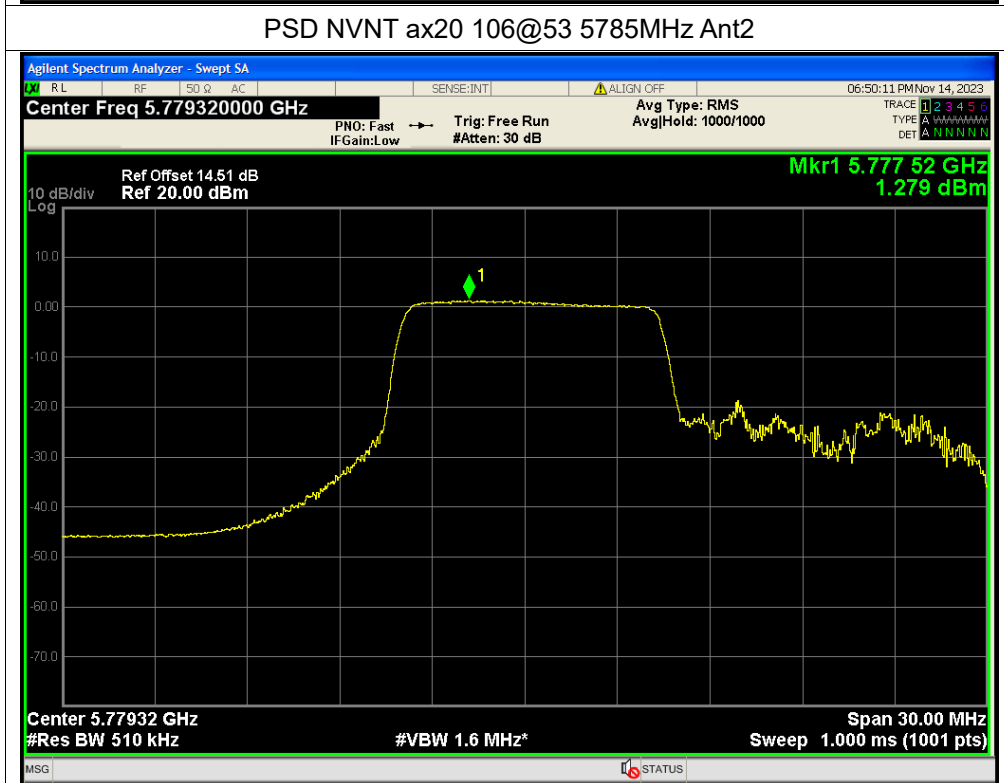




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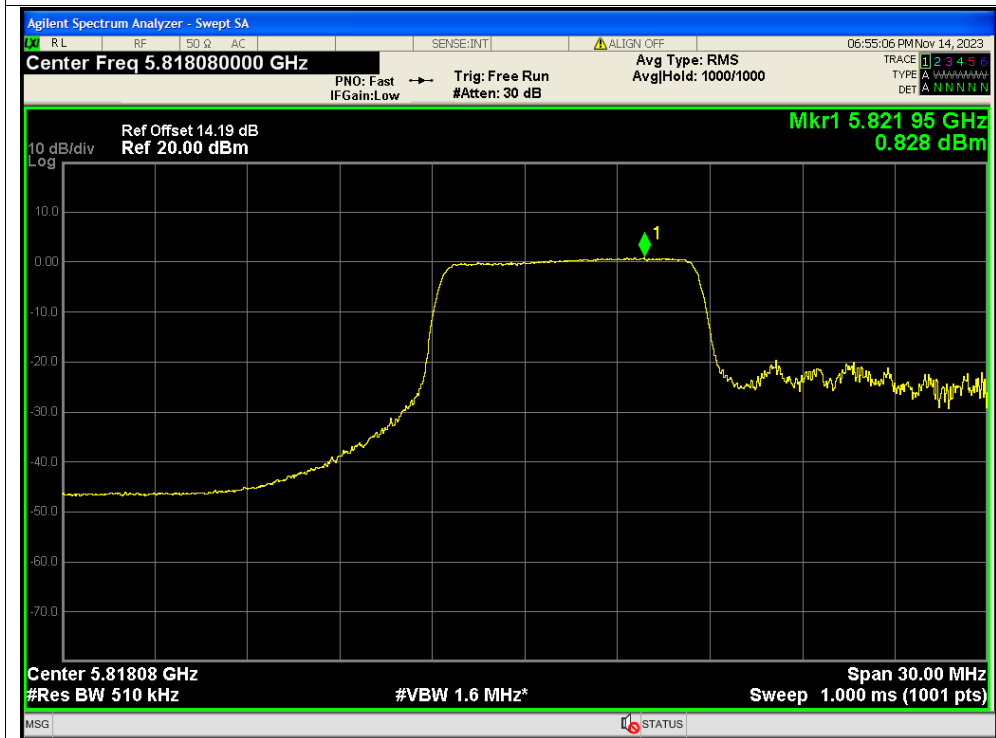


PSD NVNT ax20 106@53 5785MHz Ant2

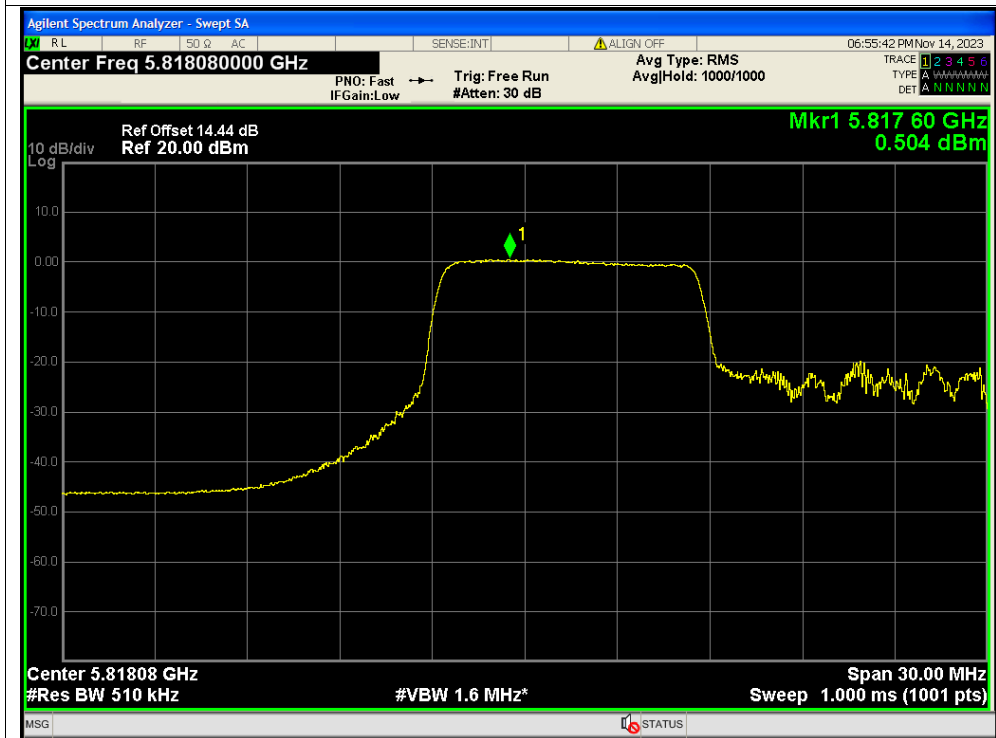




PSD NVNT ax20 106@53 5825MHz Ant1

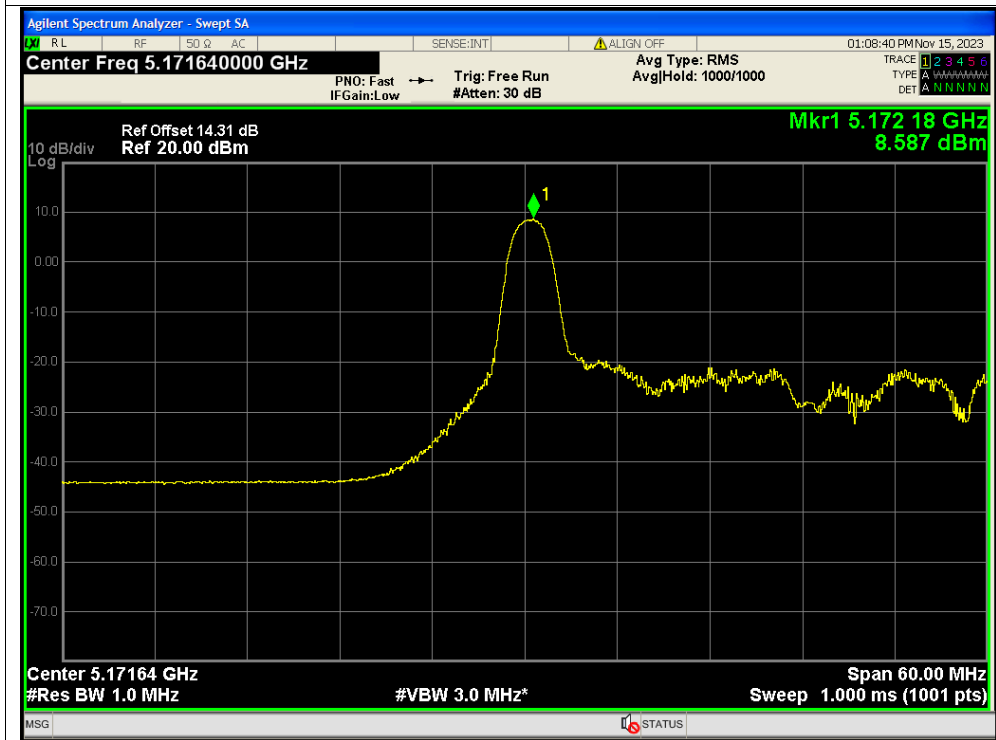


PSD NVNT ax20 106@53 5825MHz Ant2





PSD NVNT ax40 26@0 5190MHz Ant1



PSD NVNT ax40 26@0 5230MHz Ant1





PSD NVNT ax40 26@0 5755MHz Ant1

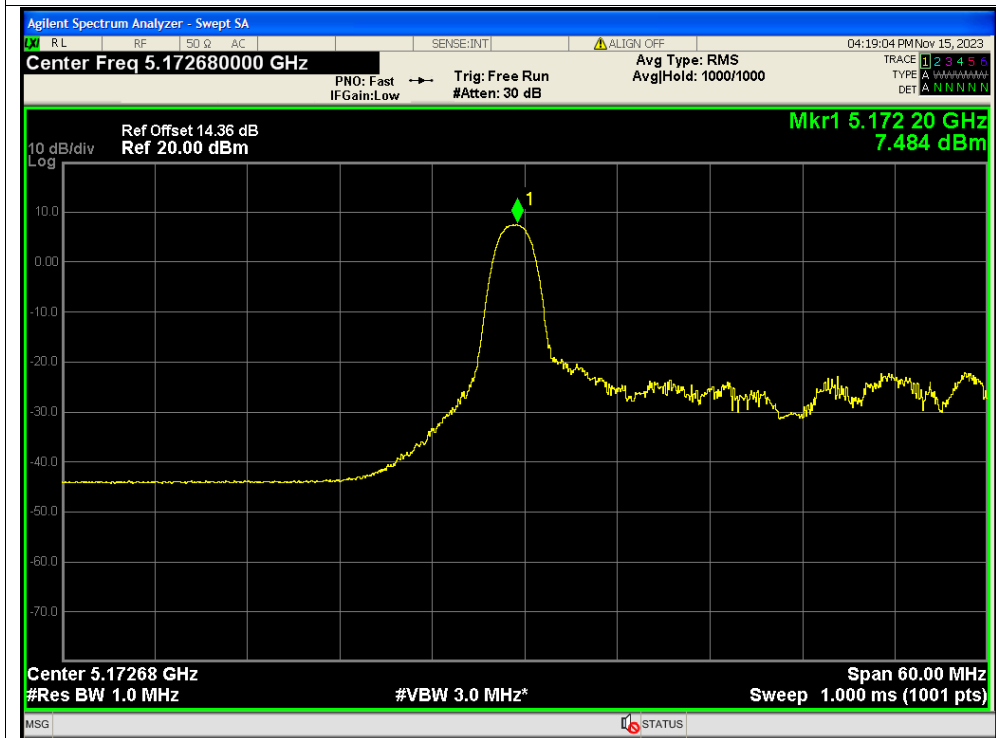


PSD NVNT ax40 26@0 5795MHz Ant1

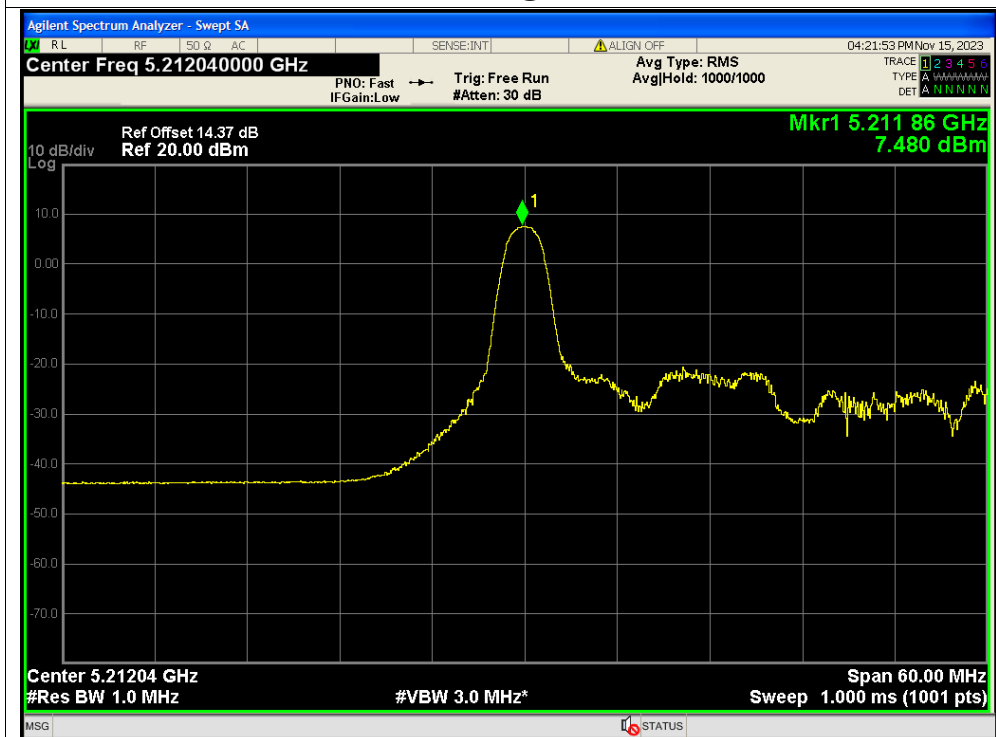




PSD NVNT ax40 26@0 5190MHz Ant2



PSD NVNT ax40 26@0 5230MHz Ant2

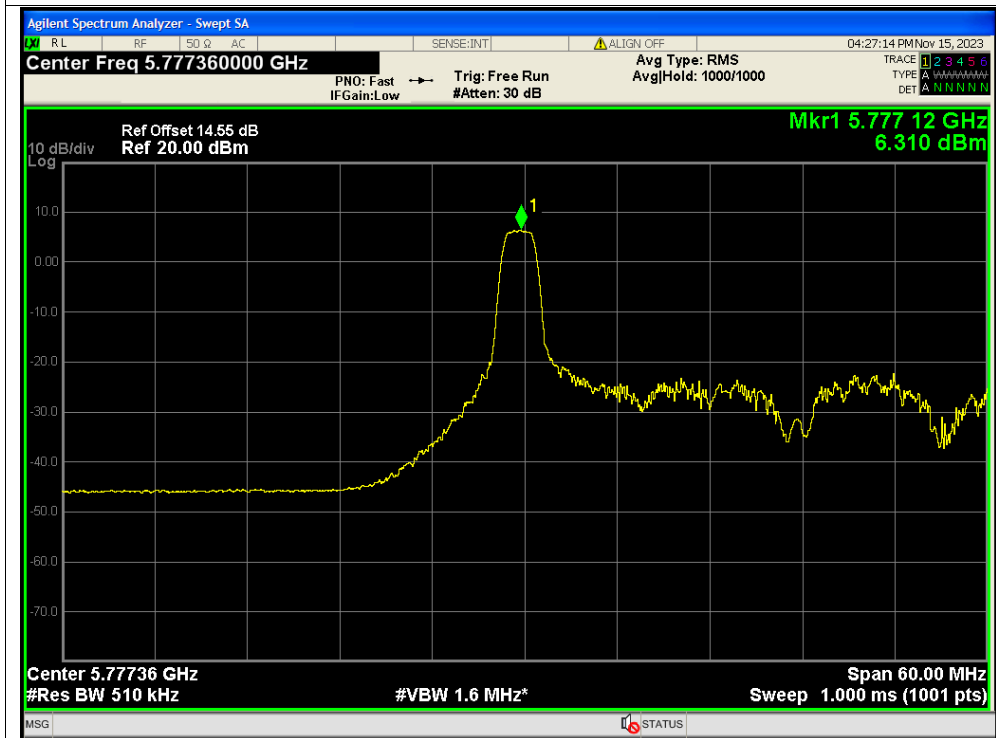




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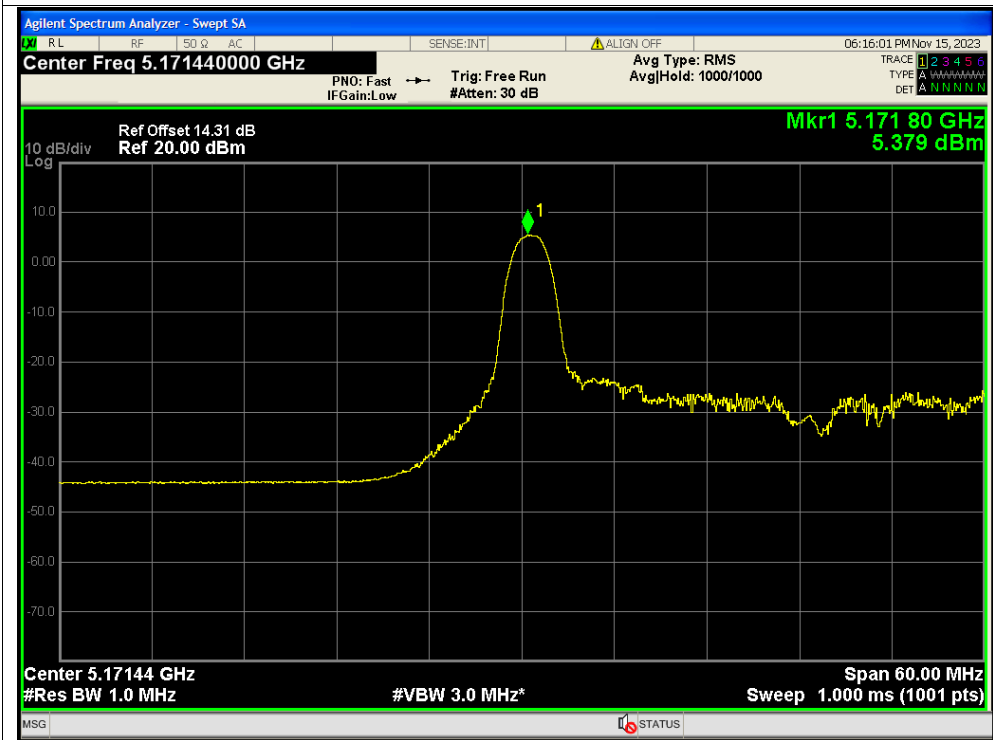


PSD NVNT ax40 26@0 5795MHz Ant2

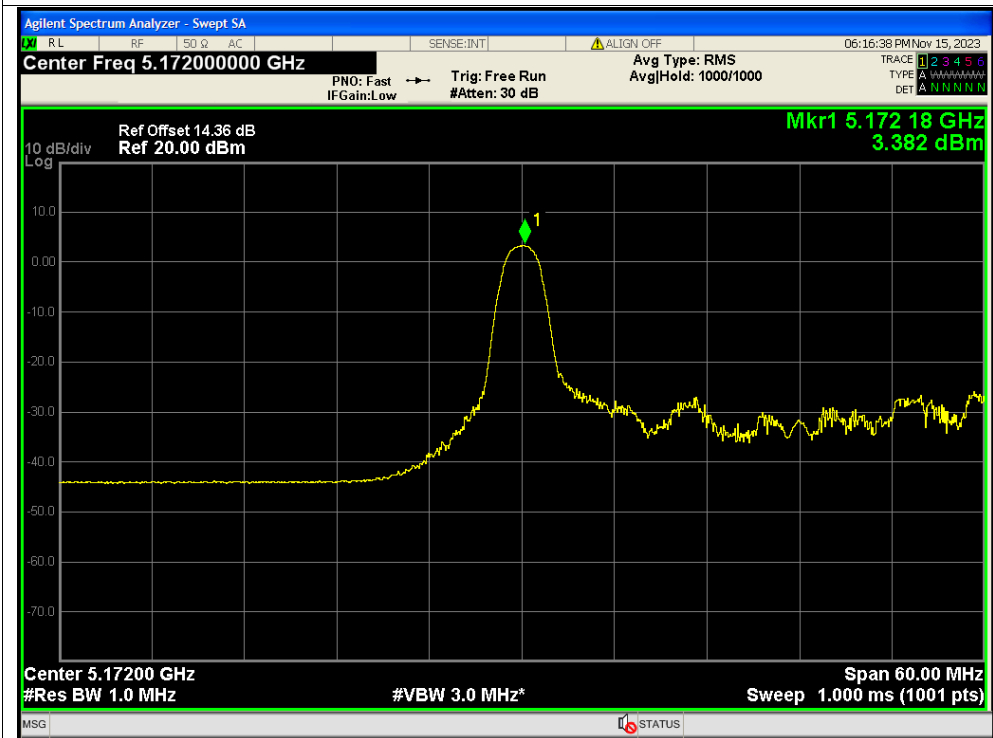




PSD NVNT ax40 26@0 5190MHz Ant1



PSD NVNT ax40 26@0 5190MHz Ant2

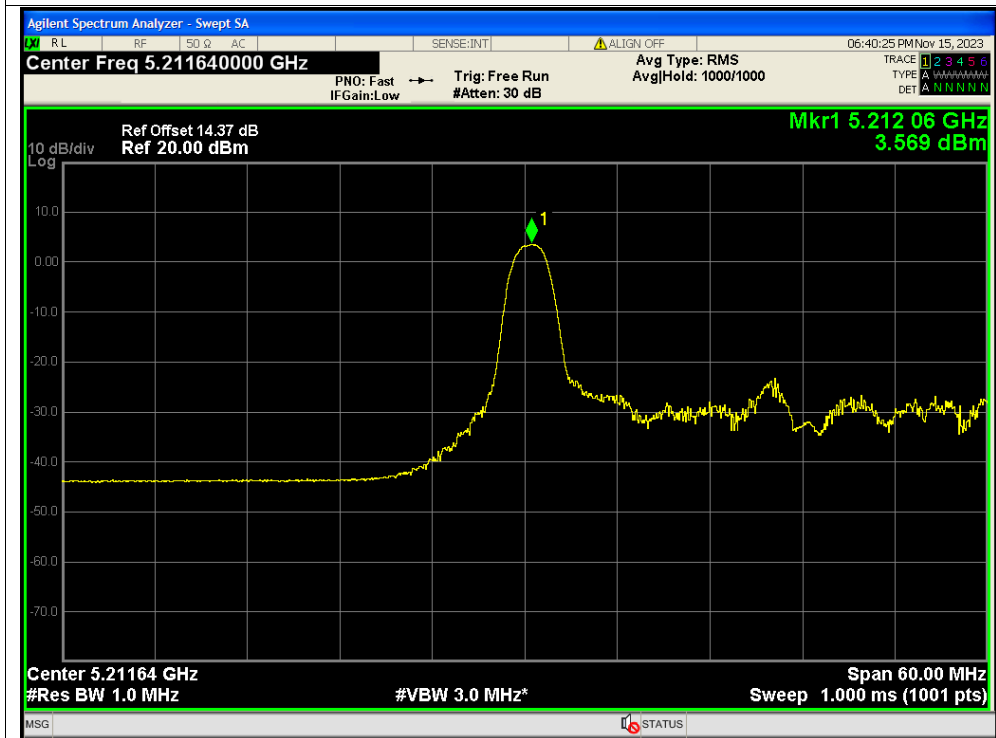




PSD NVNT ax40 26@0 5230MHz Ant1



PSD NVNT ax40 26@0 5230MHz Ant2

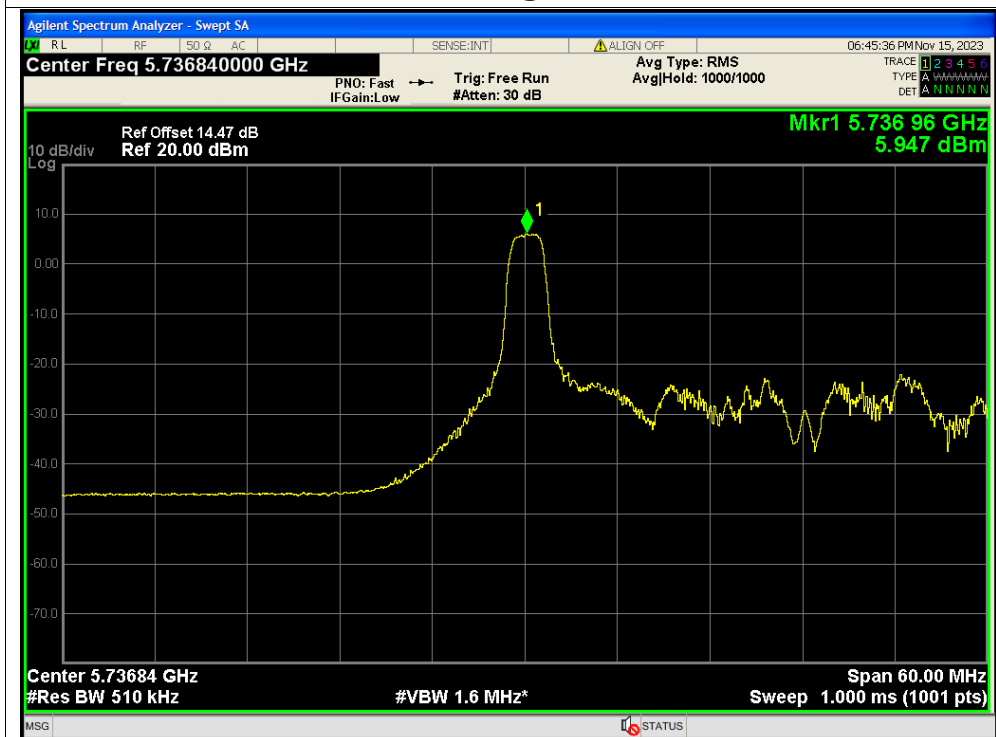




PSD NVNT ax40 26@0 5755MHz Ant1



PSD NVNT ax40 26@0 5755MHz Ant2





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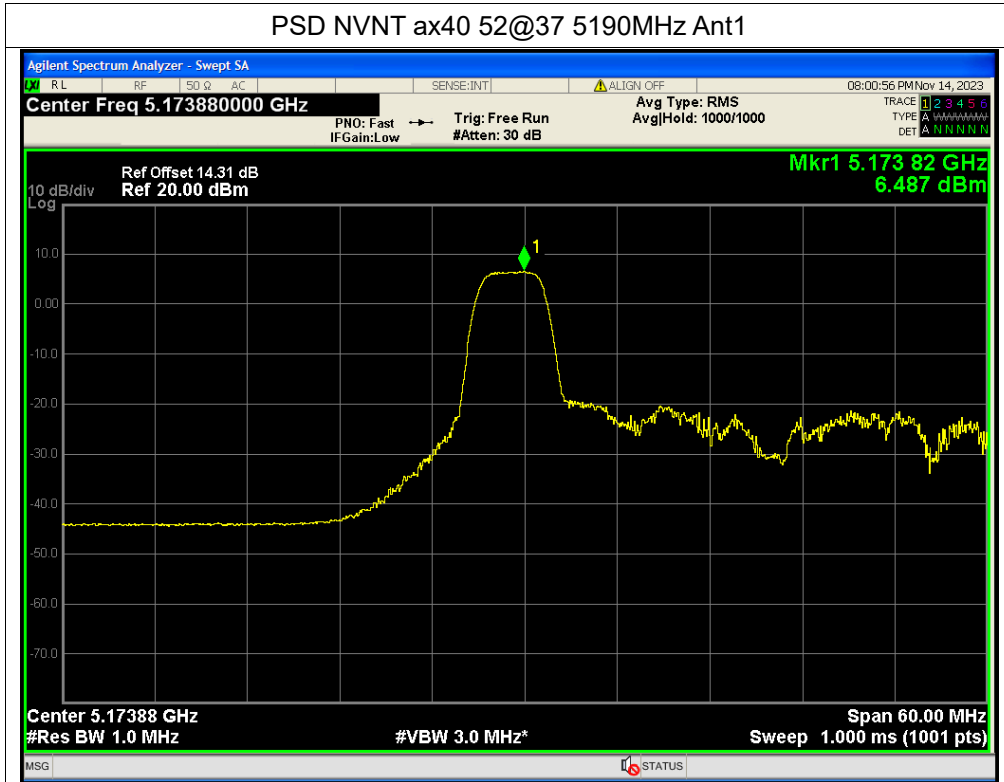


PSD NVNT ax40 26@0 5795MHz Ant2

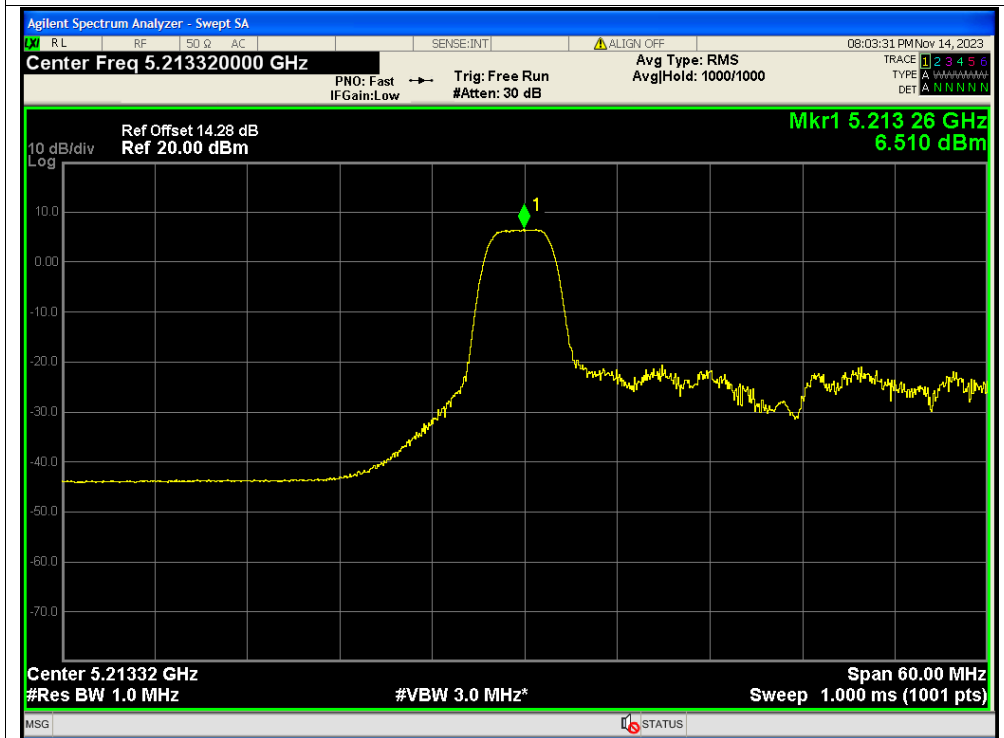




PSD NVNT ax40 52@37 5190MHz Ant1

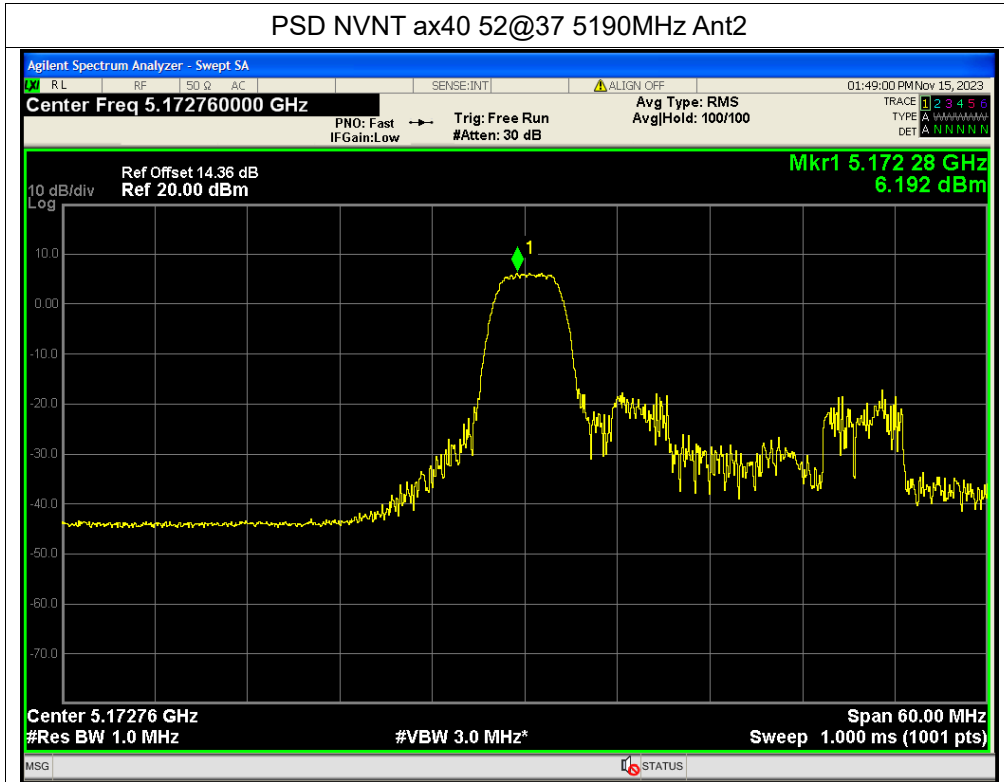


PSD NVNT ax40 52@37 5230MHz Ant1

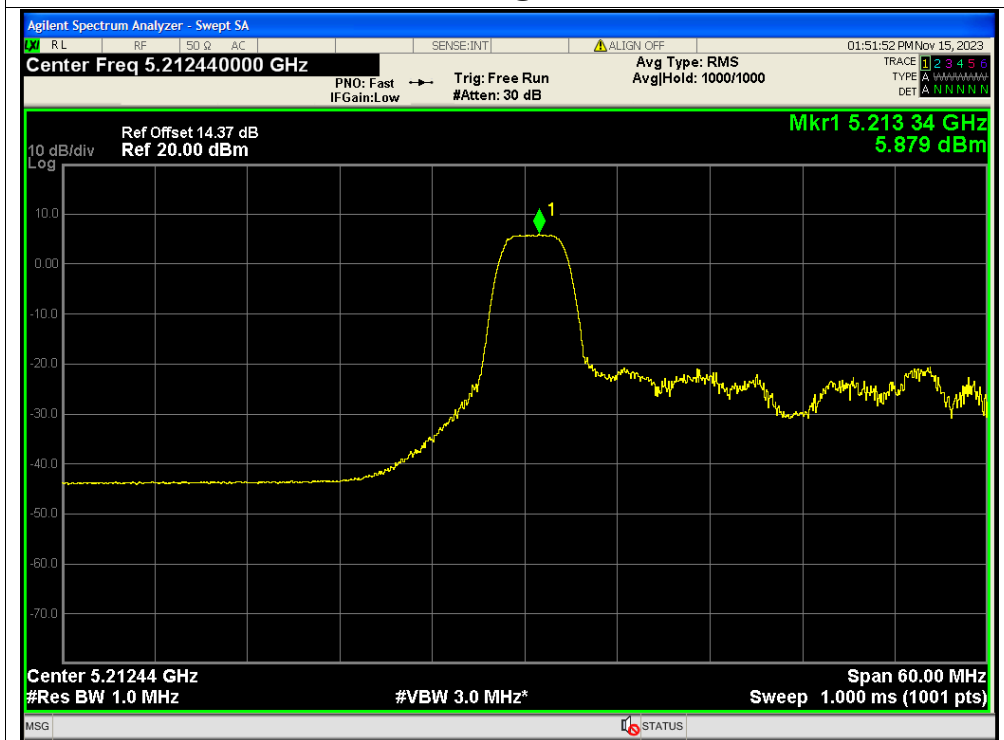




PSD NVNT ax40 52@37 5190MHz Ant2

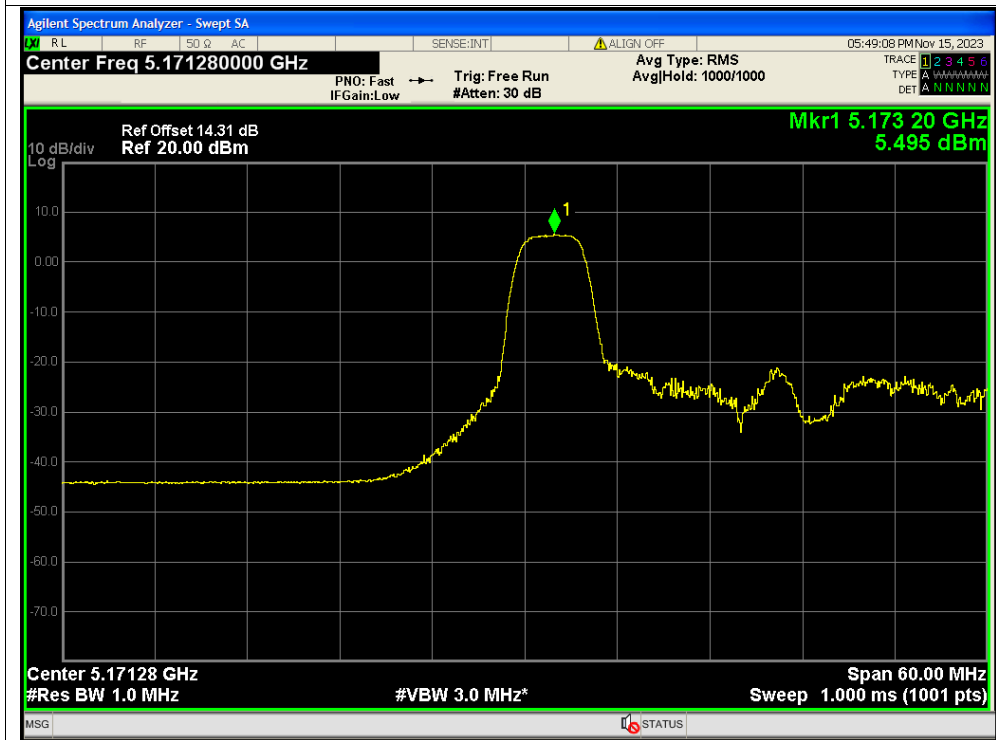


PSD NVNT ax40 52@37 5230MHz Ant2

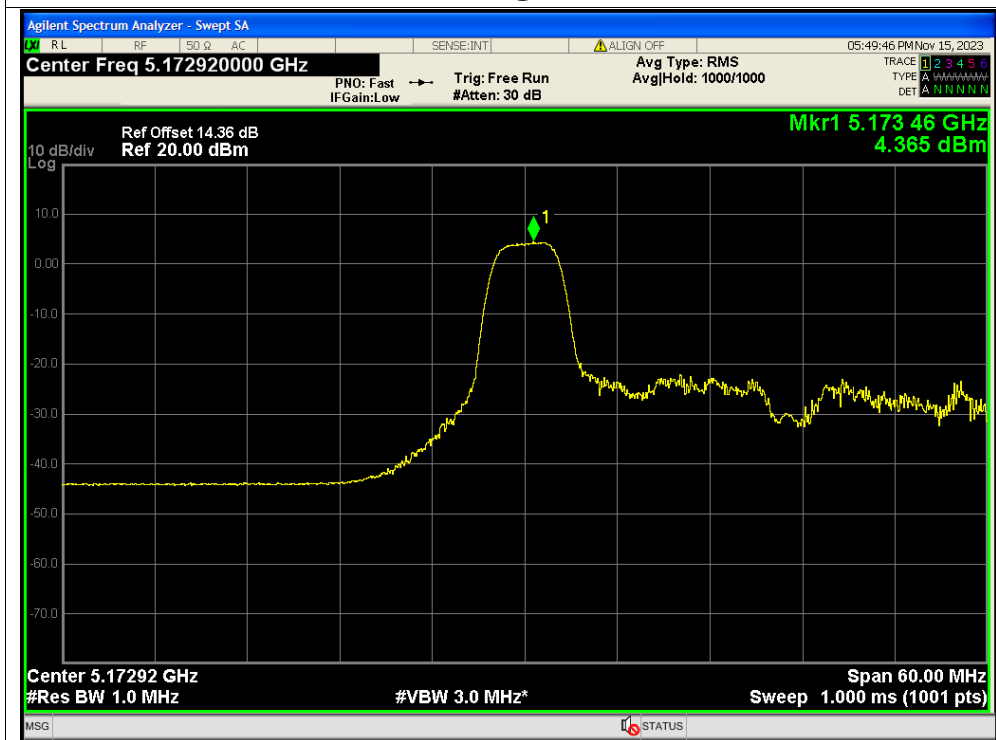




PSD NVNT ax40 52@37 5190MHz Ant1

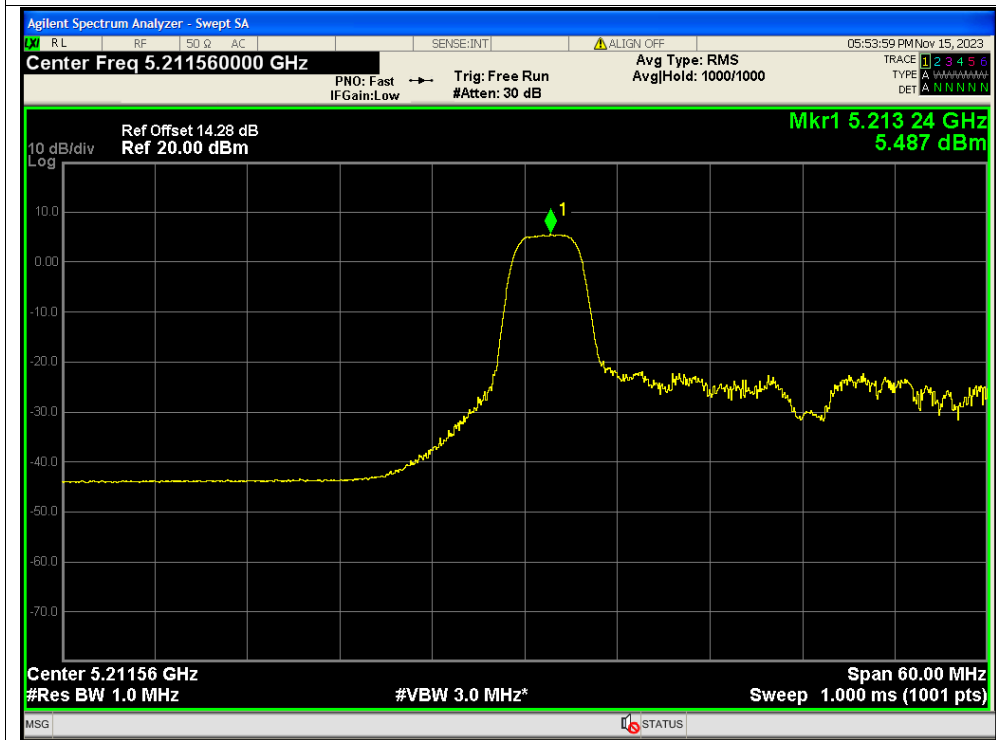


PSD NVNT ax40 52@37 5190MHz Ant2

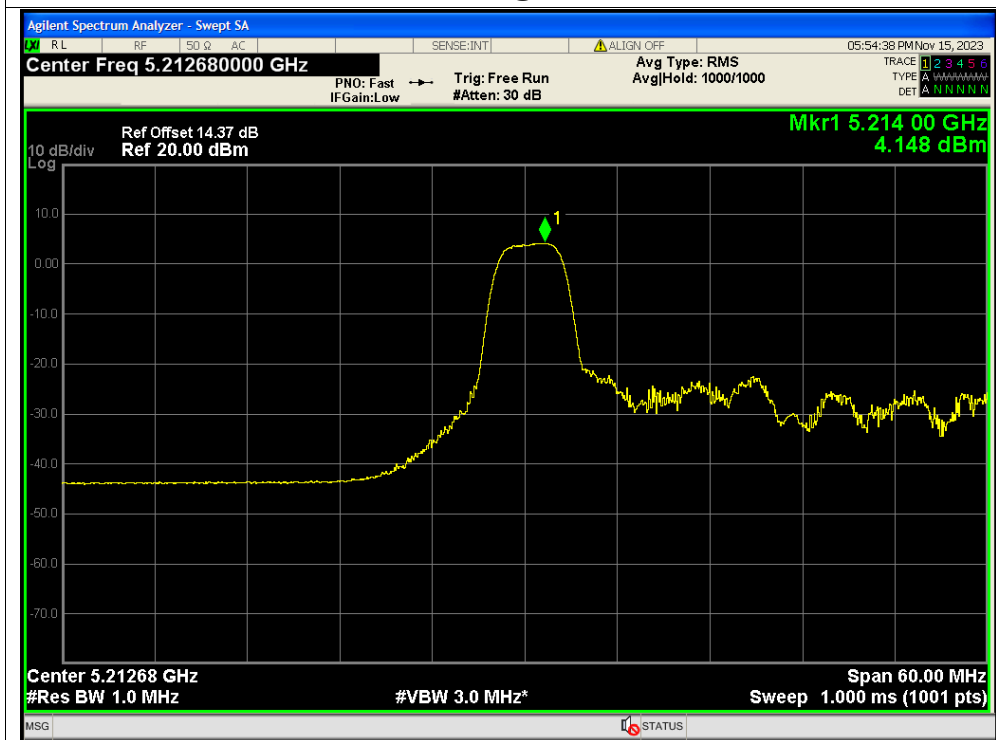




PSD NVNT ax40 52@37 5230MHz Ant1

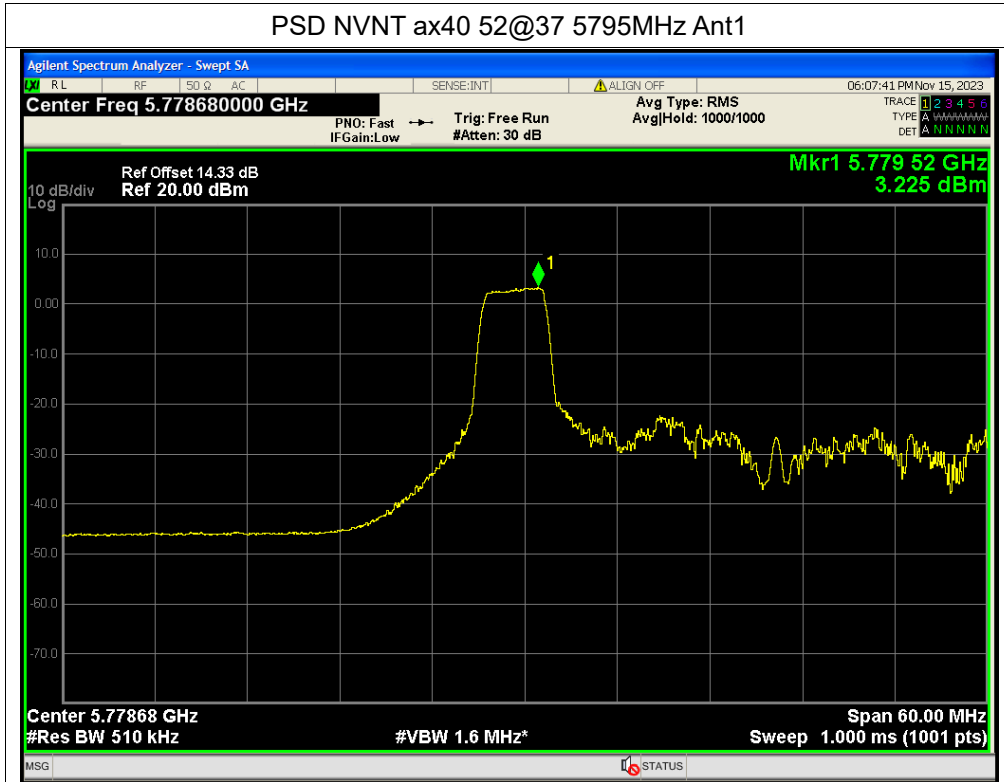


PSD NVNT ax40 52@37 5230MHz Ant2

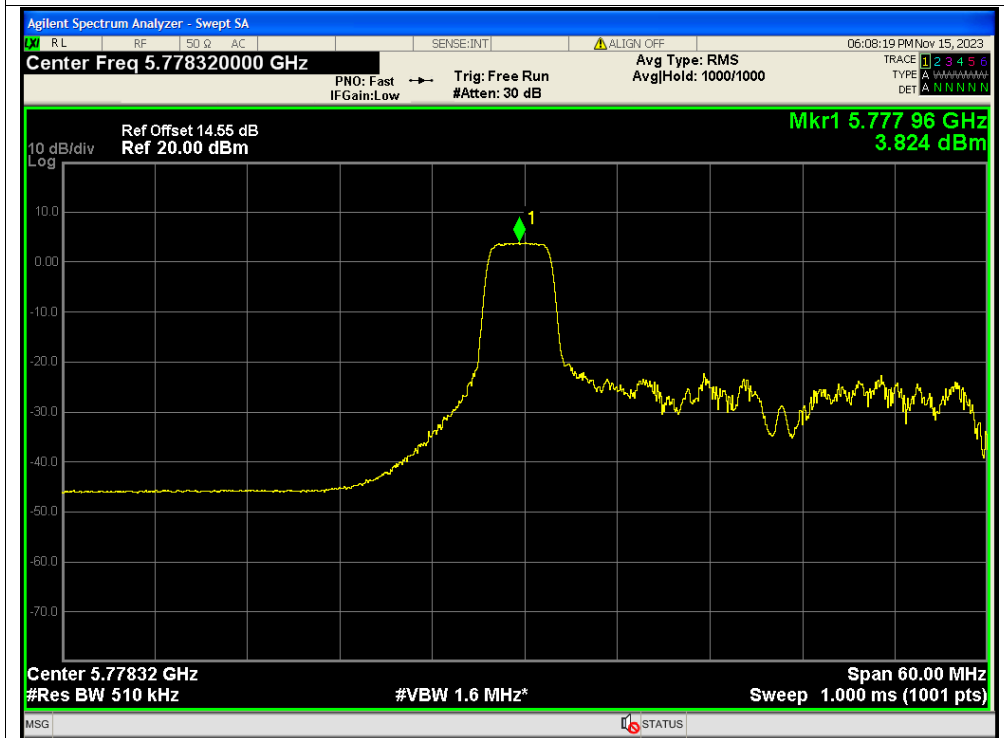




PSD NVNT ax40 52@37 5795MHz Ant1

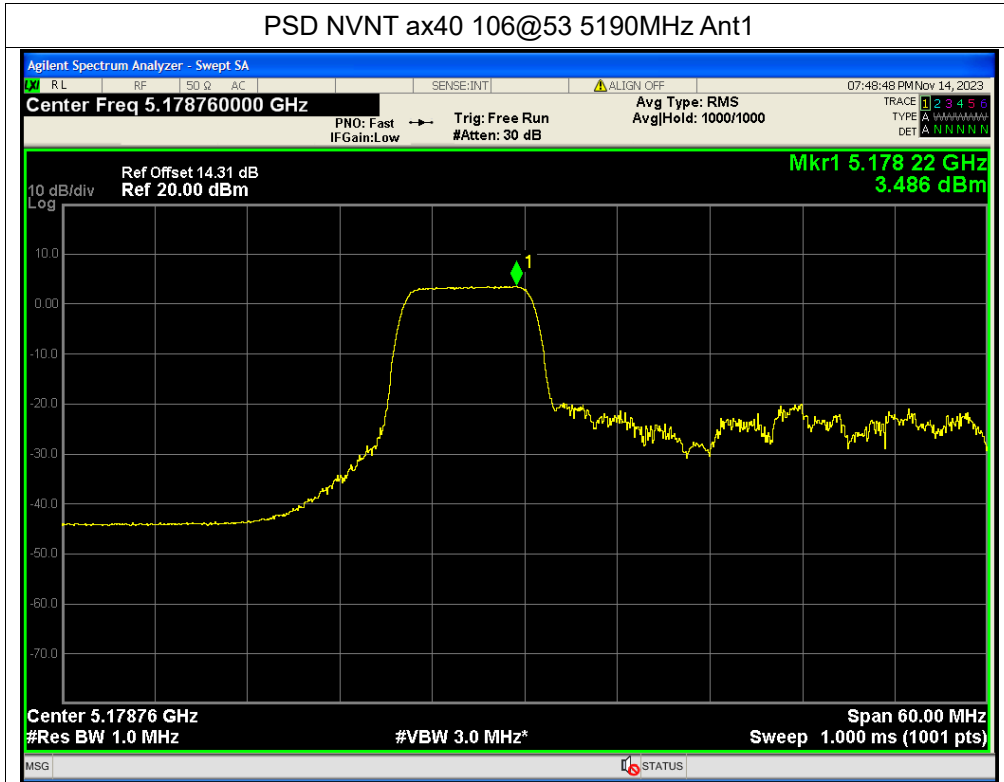


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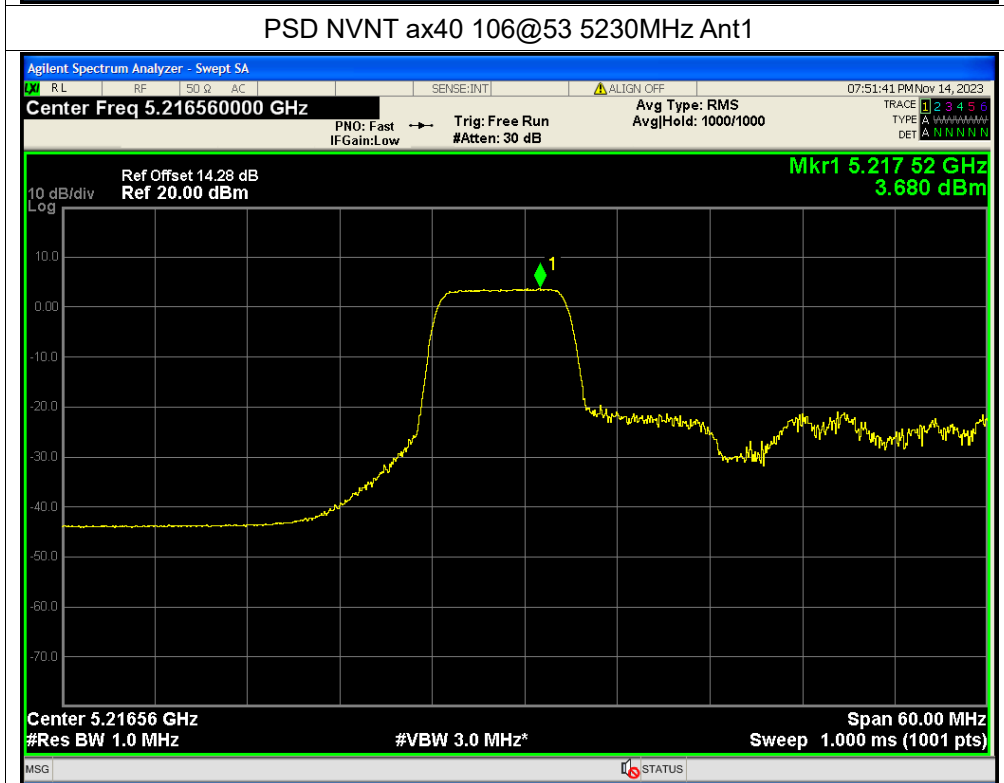




PSD NVNT ax40 106@53 5190MHz Ant1

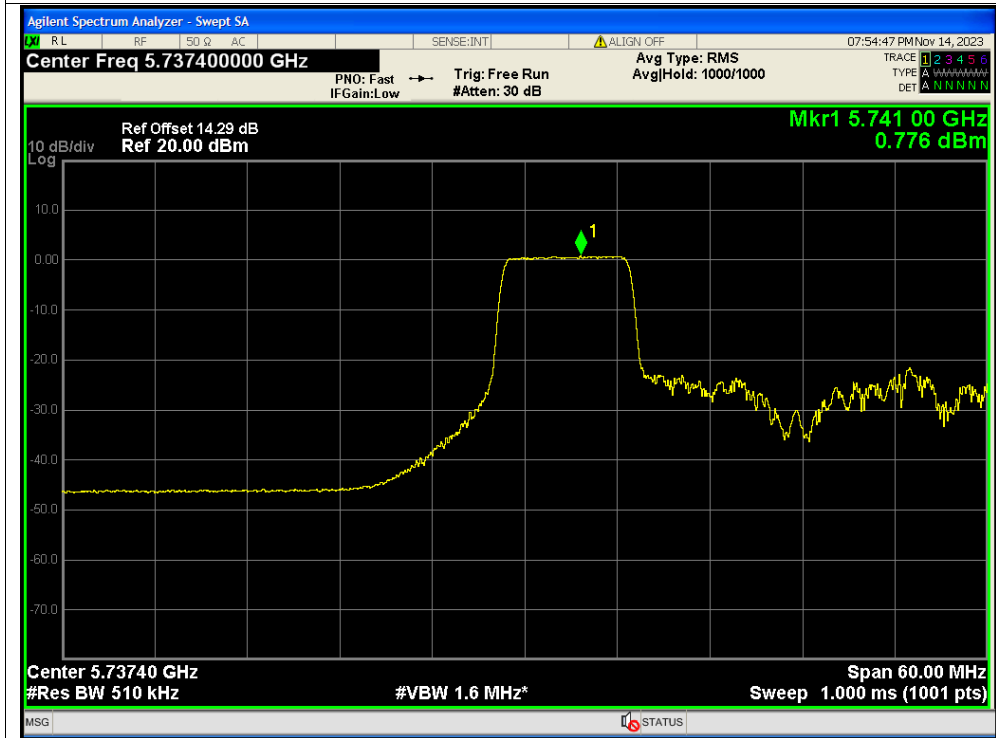


PSD NVNT ax40 106@53 5230MHz Ant1





PSD NVNT ax40 106@53 5755MHz Ant1

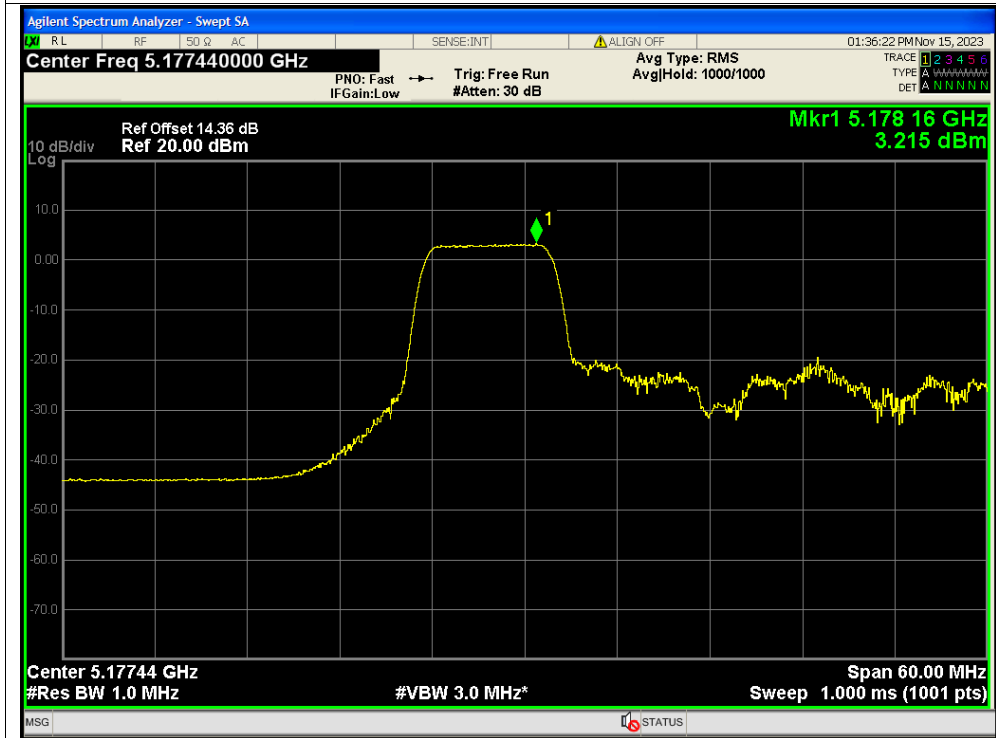


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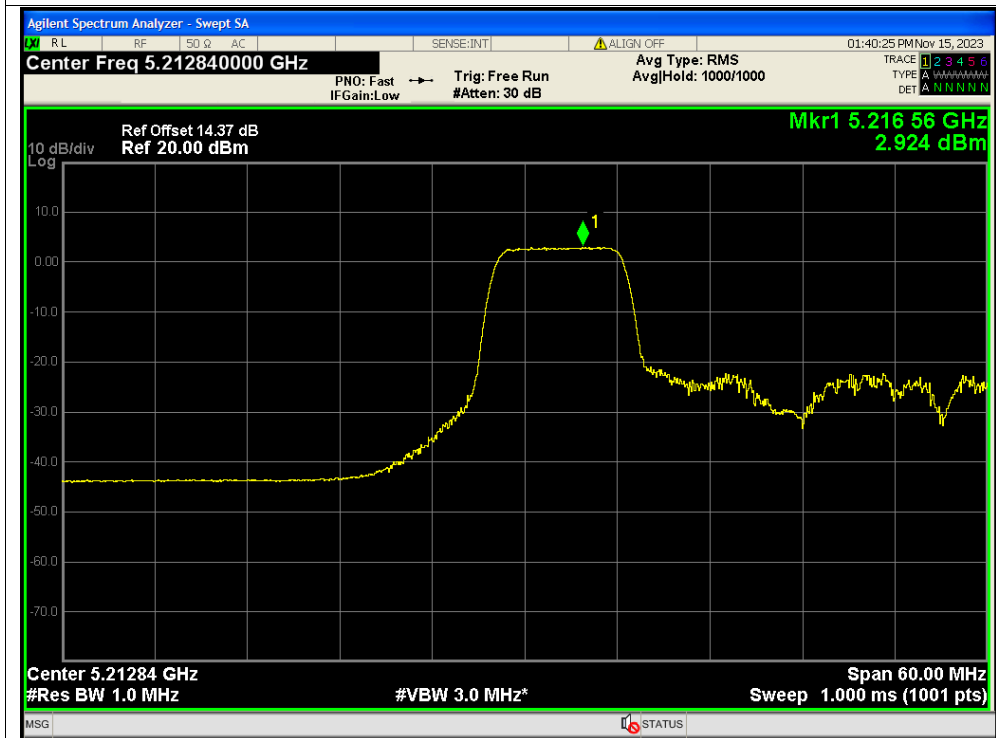




PSD NVNT ax40 106@53 5190MHz Ant2

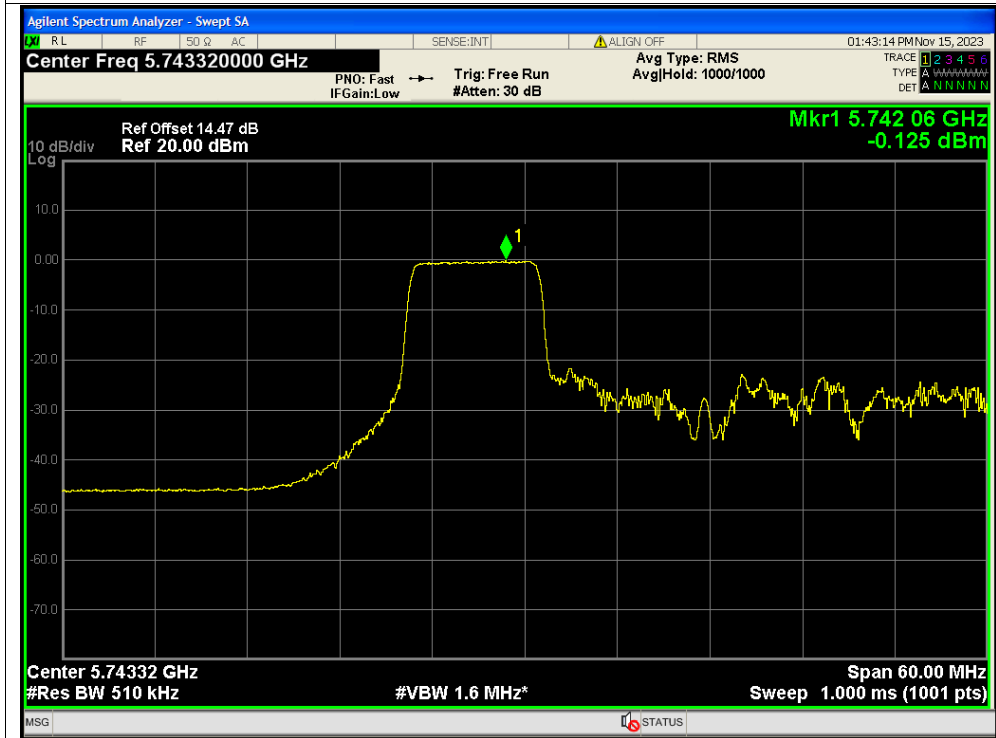


PSD NVNT ax40 106@53 5230MHz Ant2

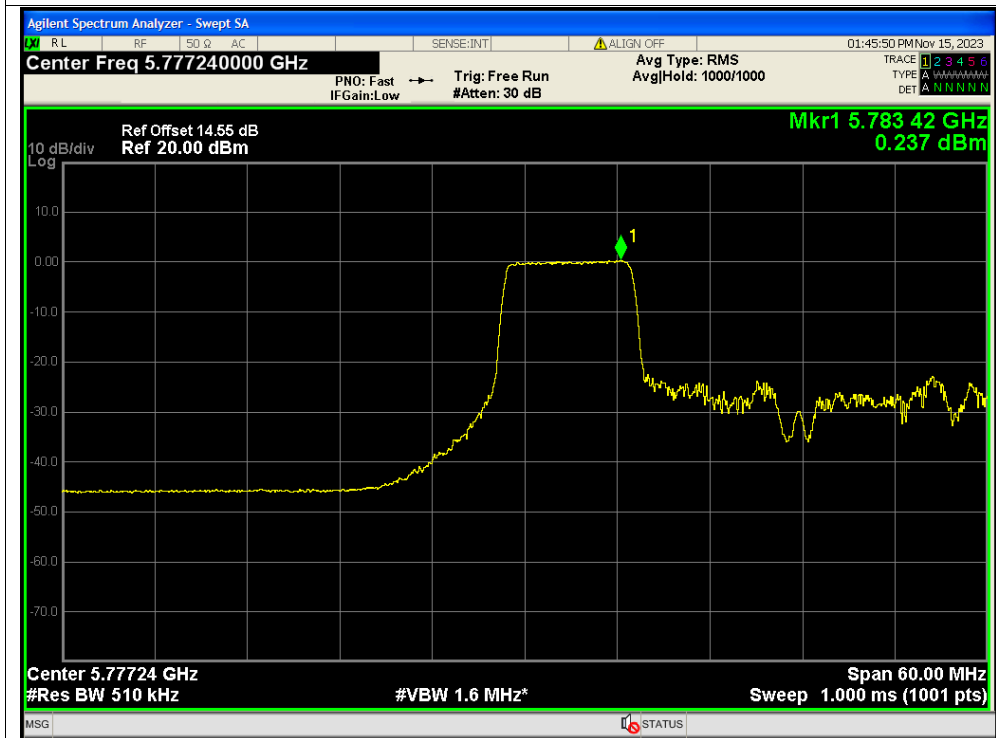




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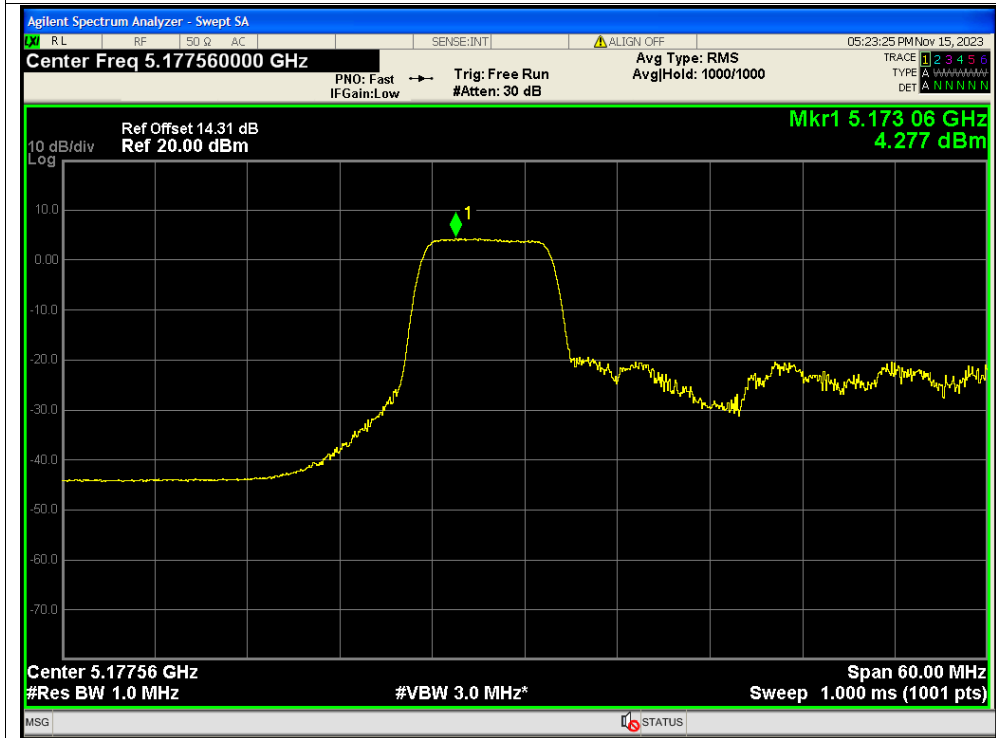


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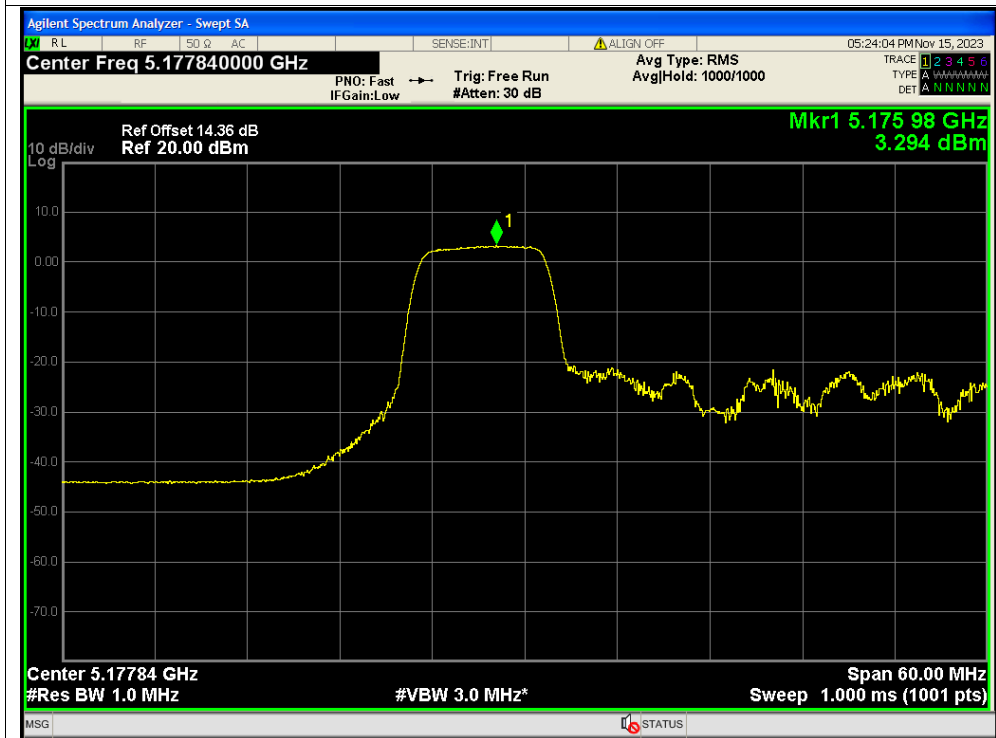




PSD NVNT ax40 106@53 5190MHz Ant1

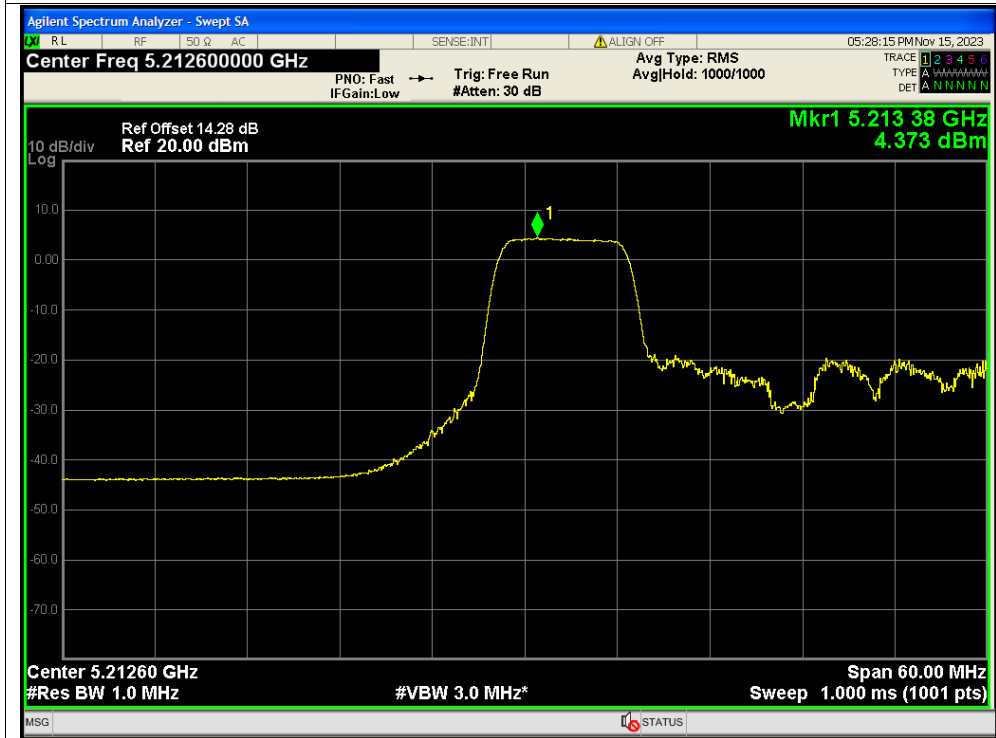


PSD NVNT ax40 106@53 5190MHz Ant2

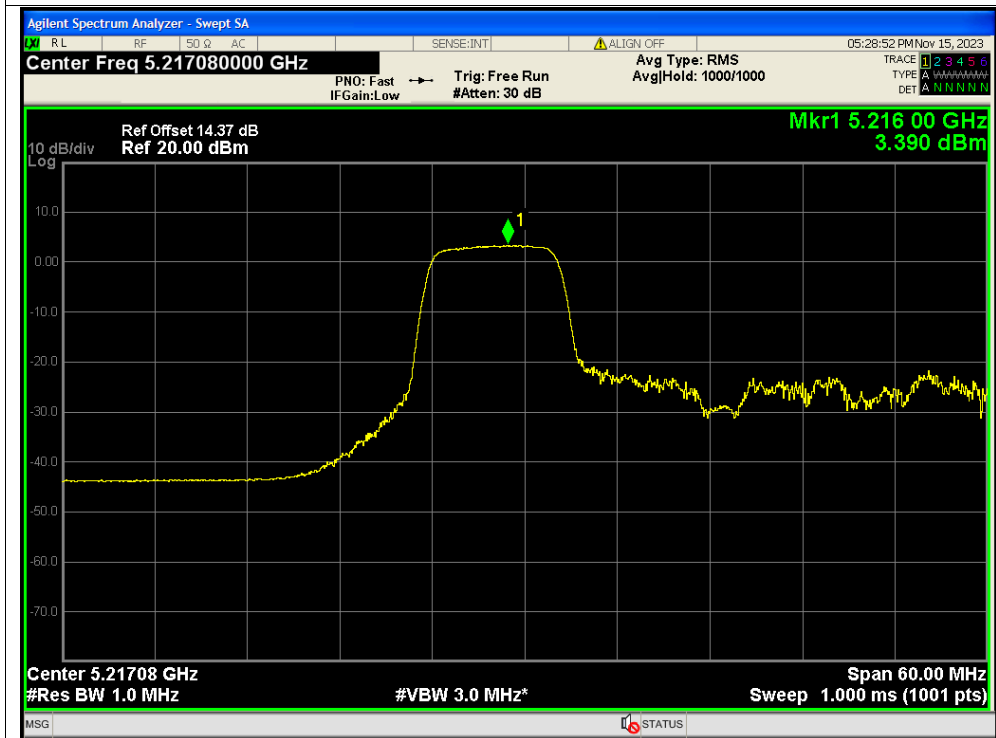




PSD NVNT ax40 106@53 5230MHz Ant1



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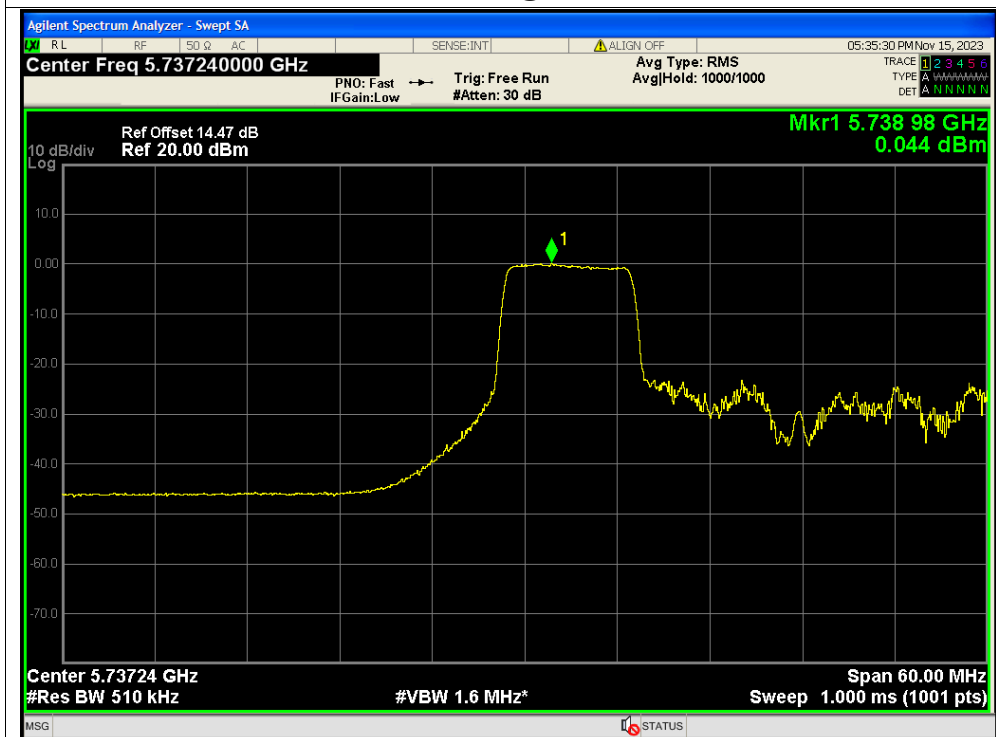




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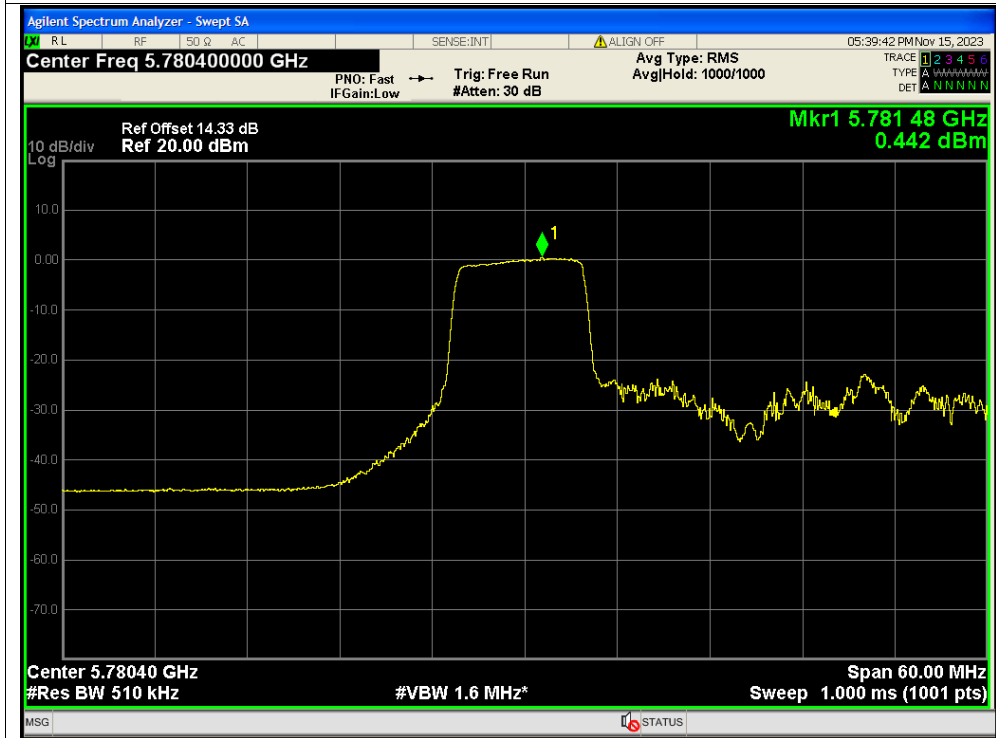


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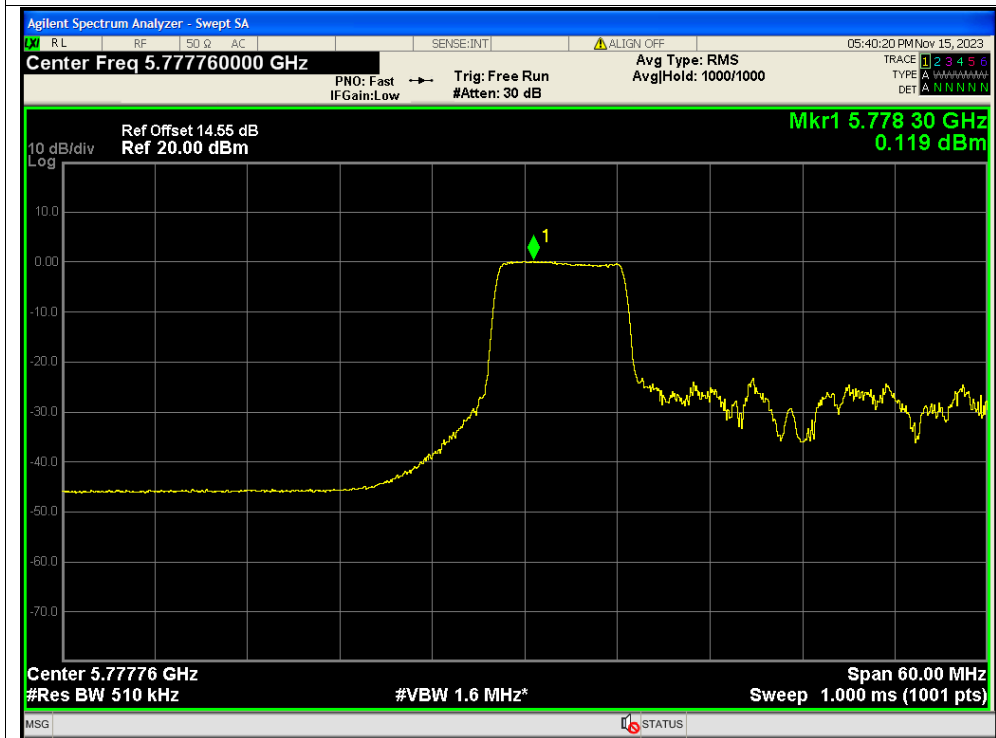




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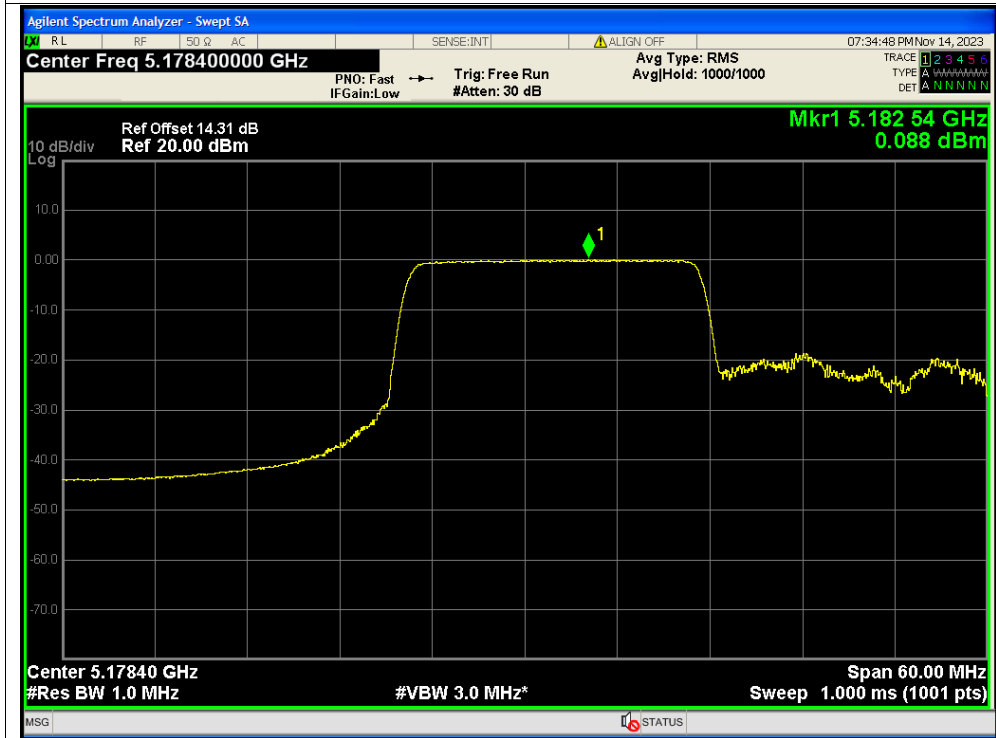


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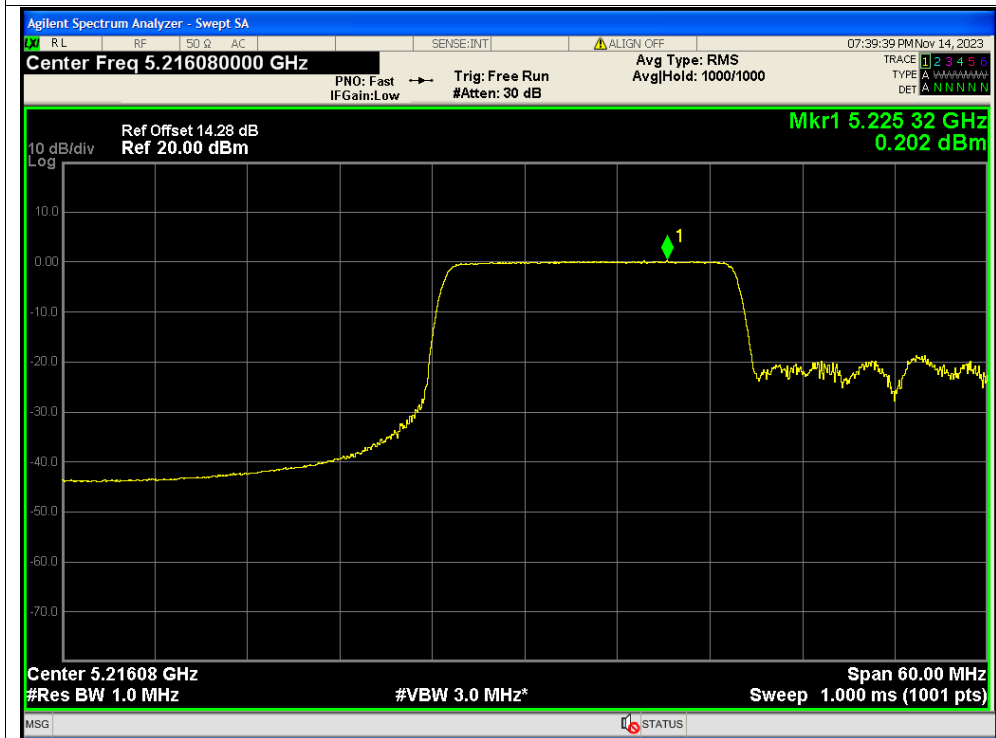




PSD NVNT ax40 242@61 5190MHz Ant1

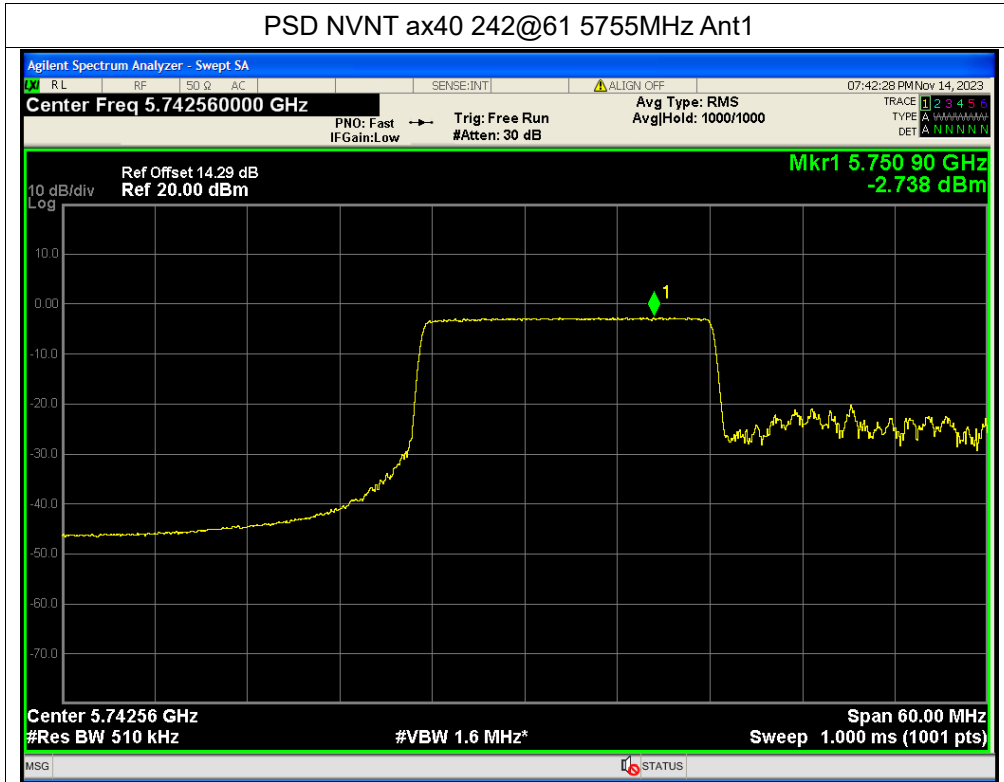


PSD NVNT ax40 242@61 5230MHz Ant1

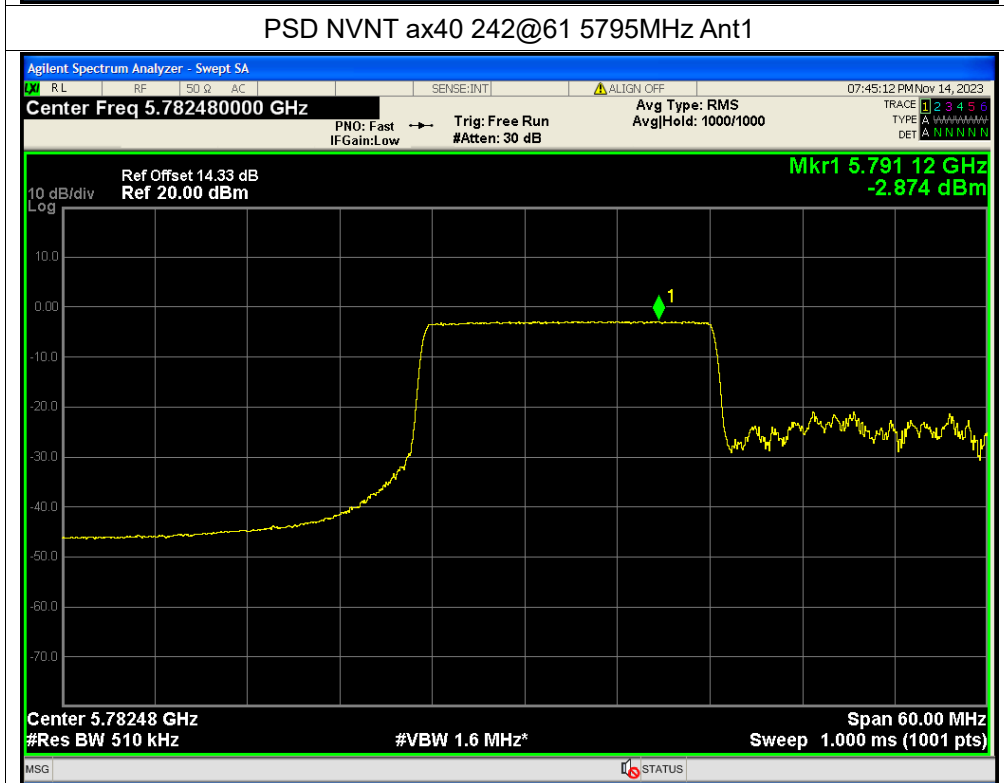




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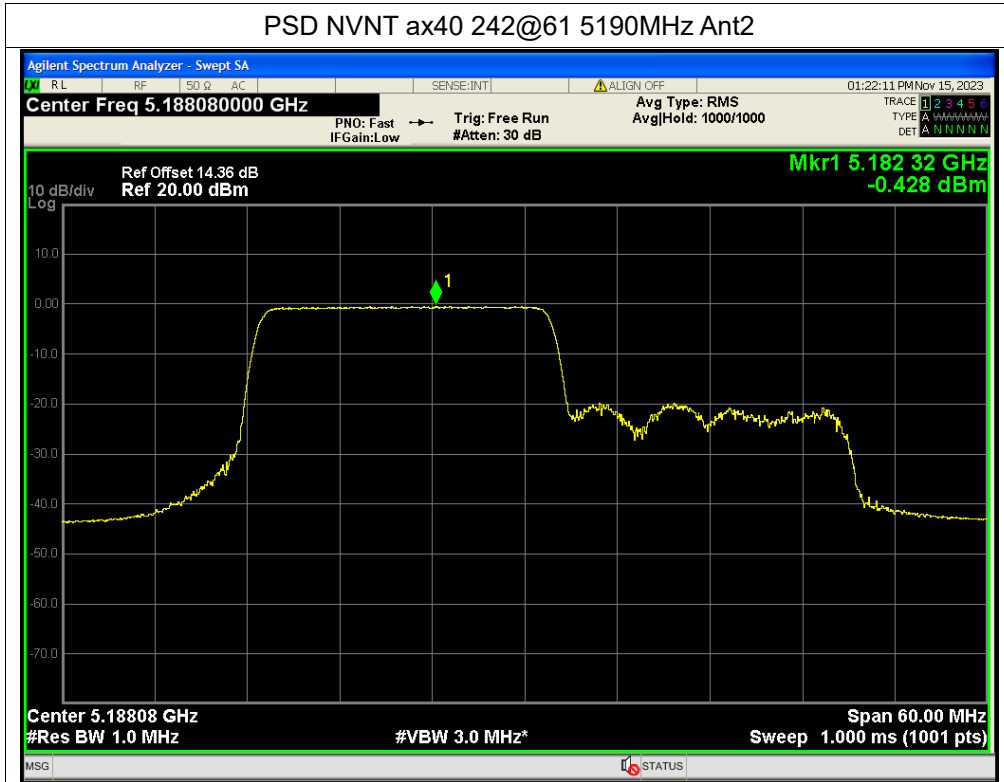


PSD NVNT ax40 242@61 5795MHz Ant1

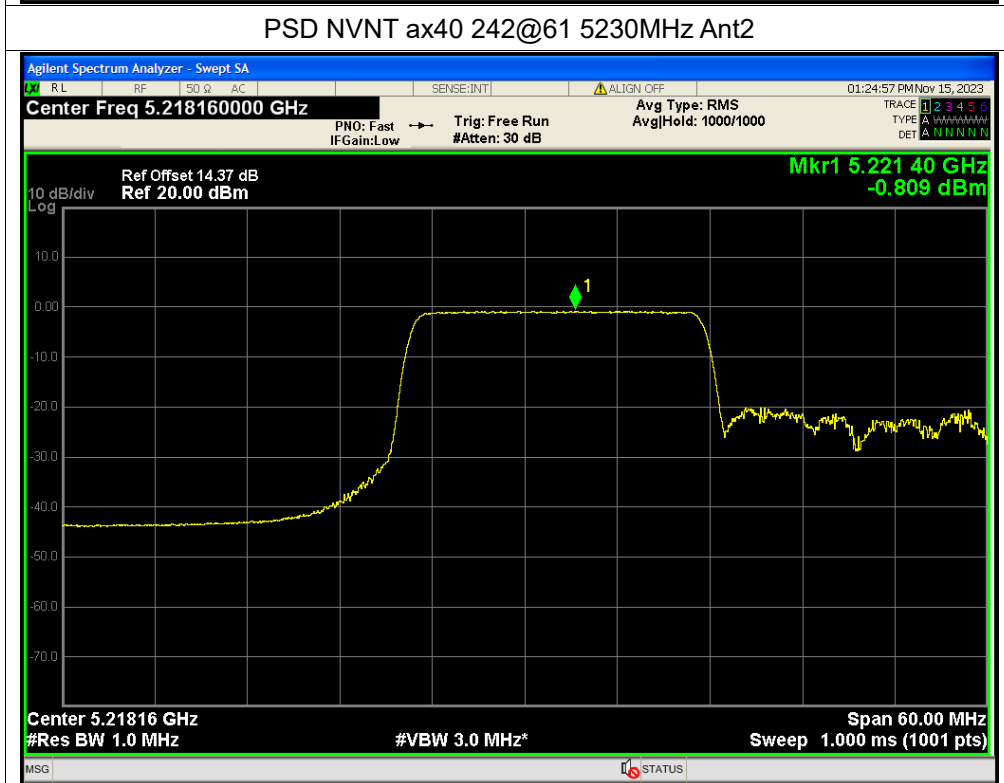




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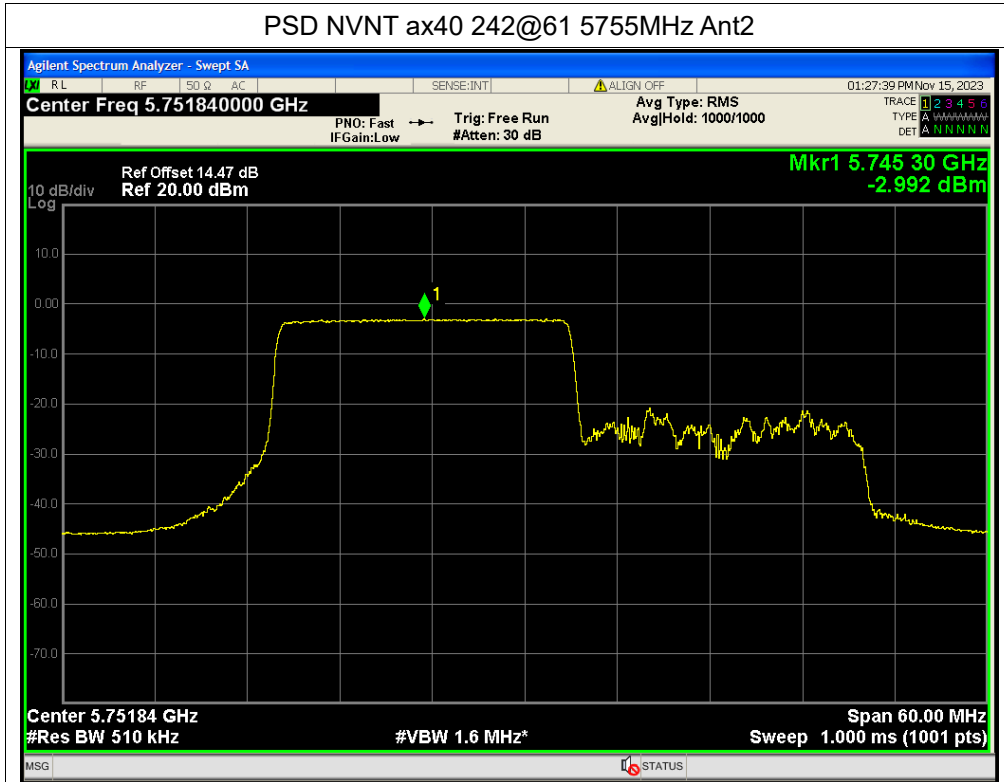


PSD NVNT ax40 242@61 5230MHz Ant2

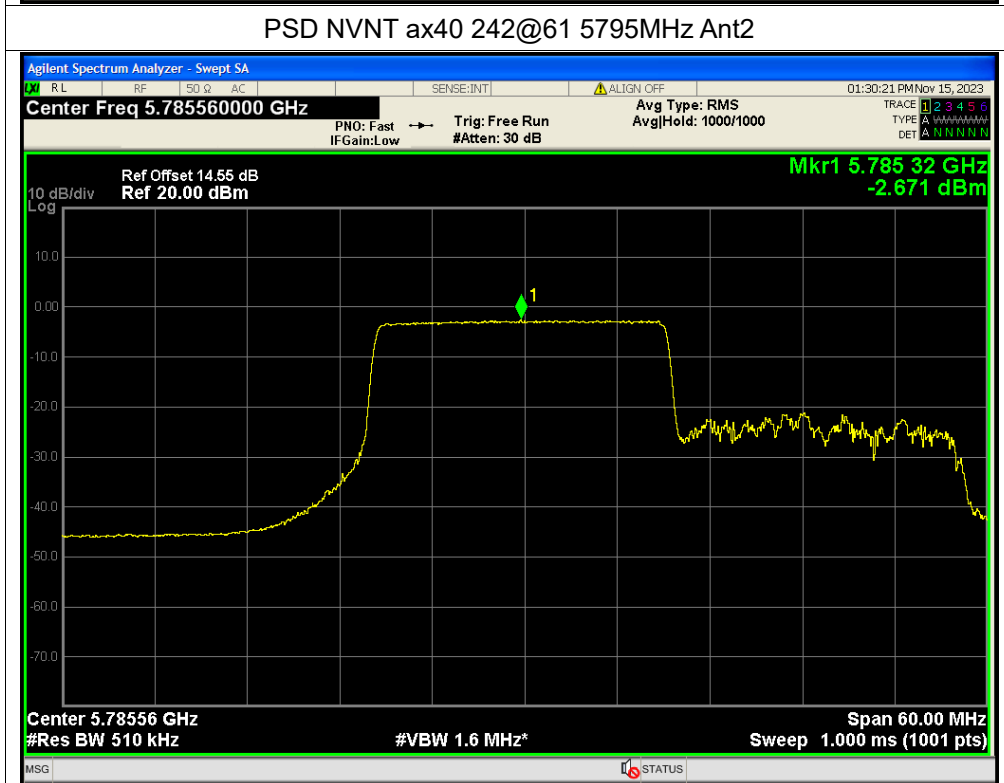




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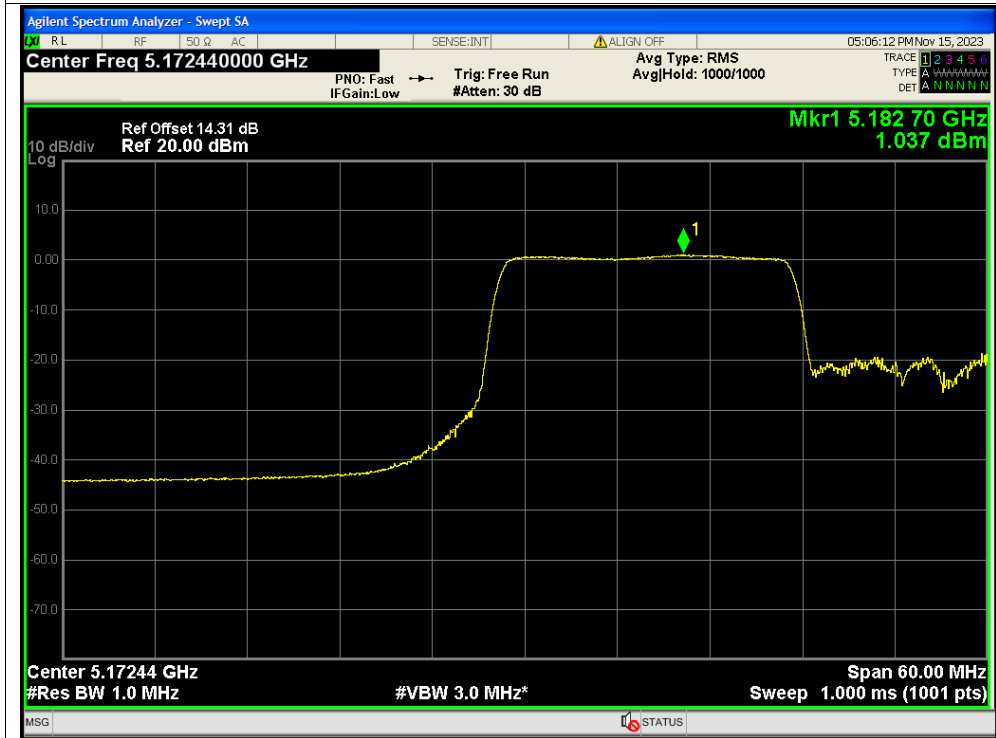


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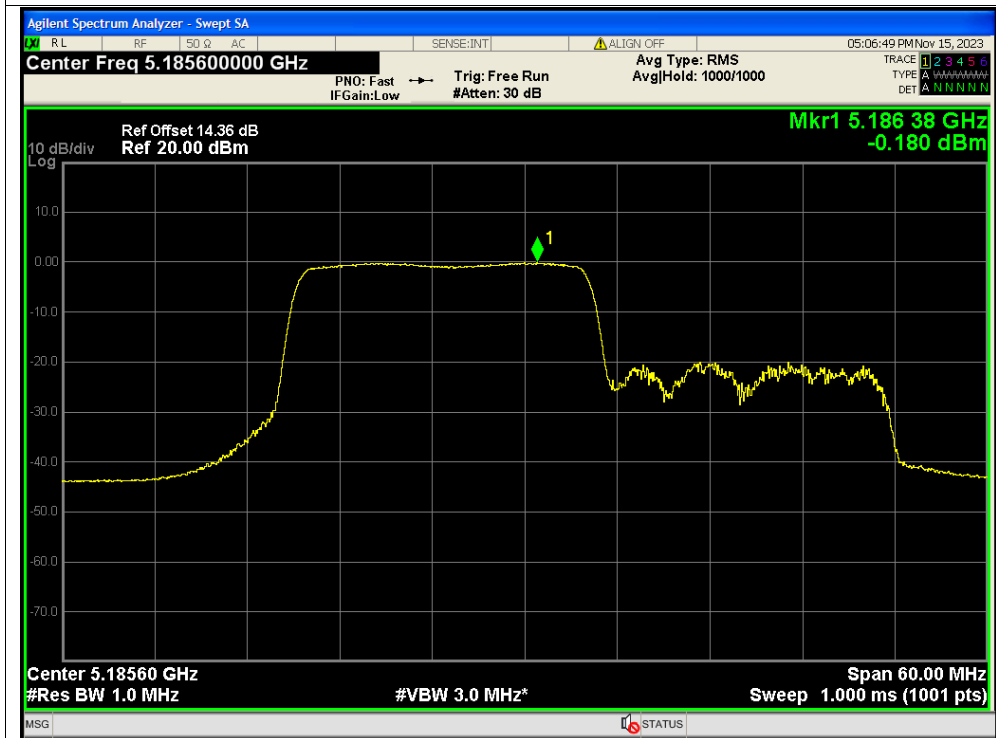




PSD NVNT ax40 242@61 5190MHz Ant1

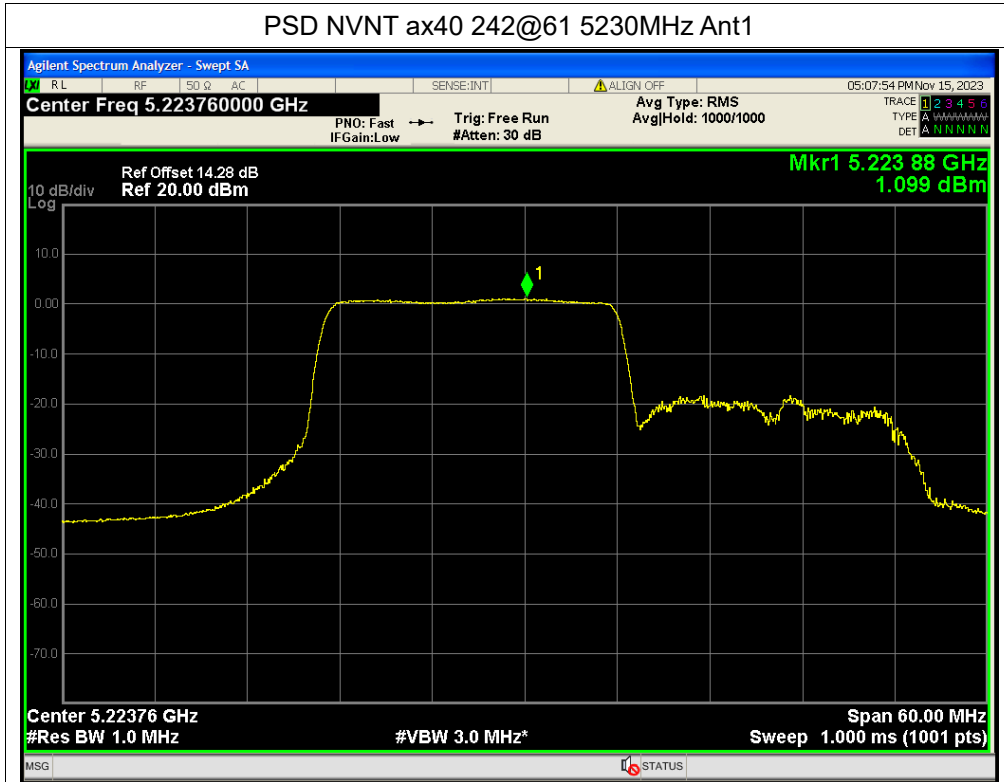


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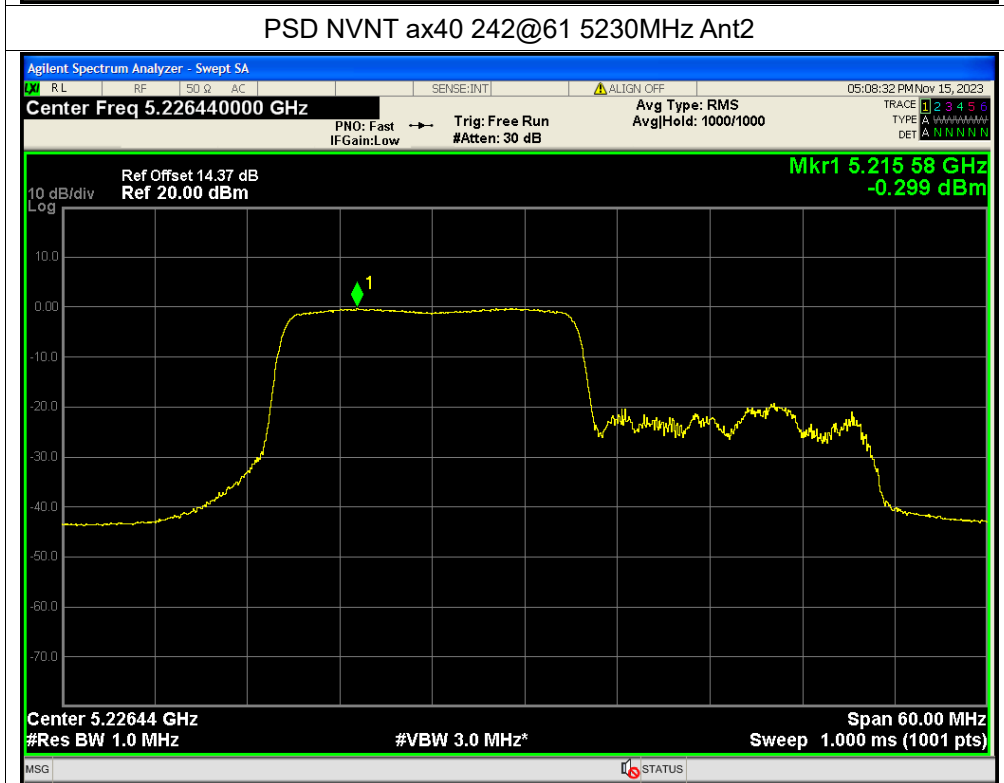




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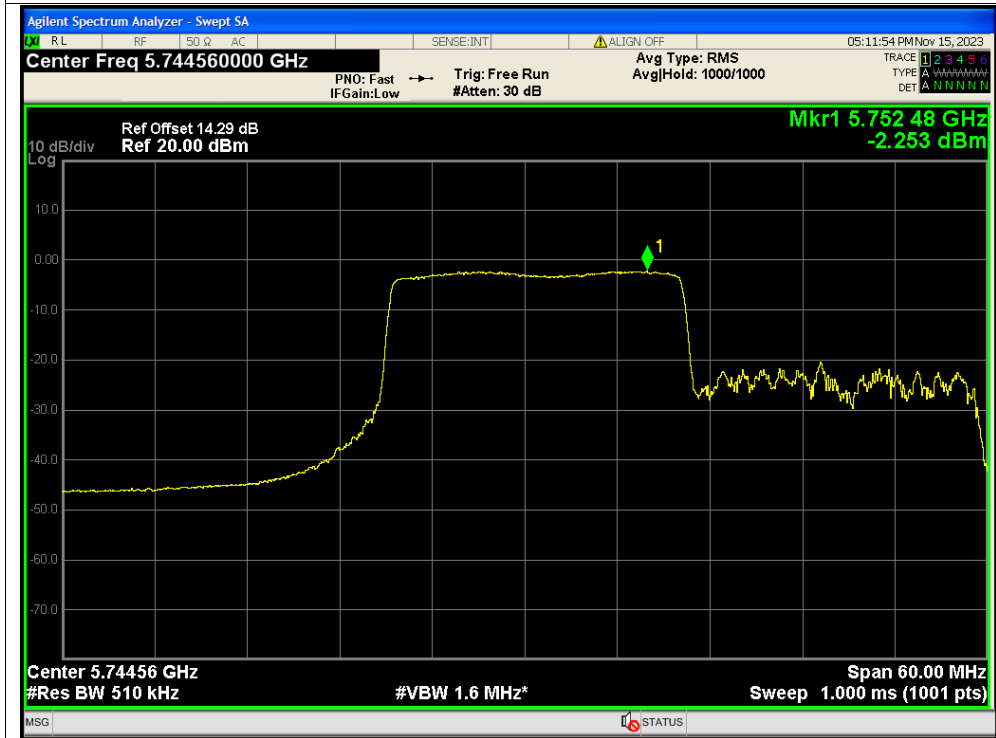


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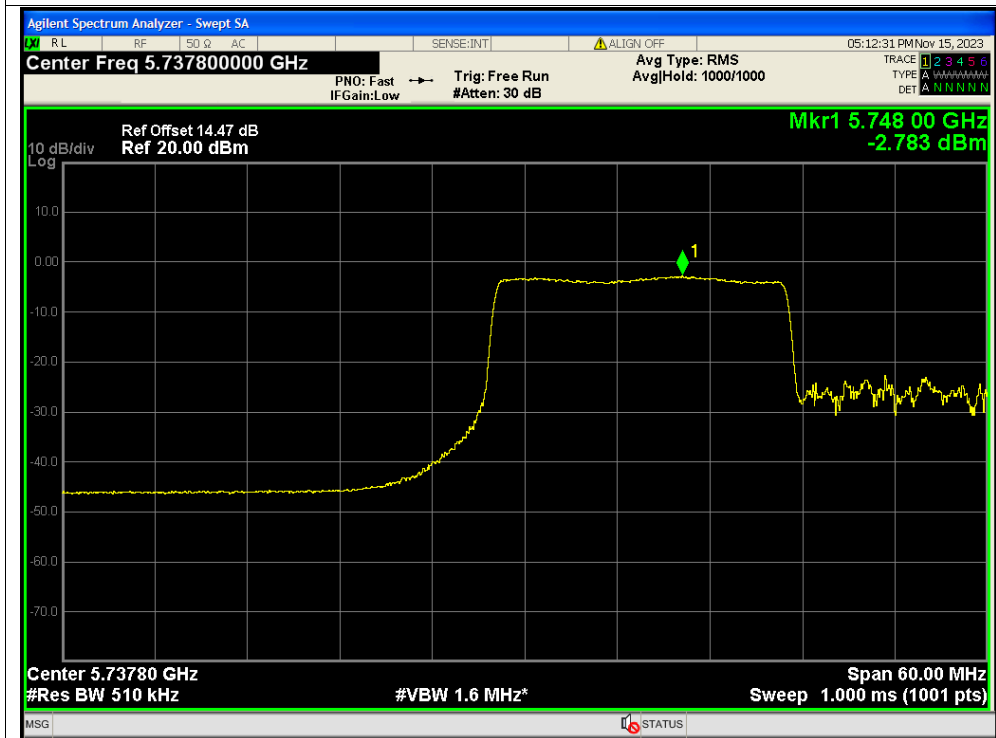




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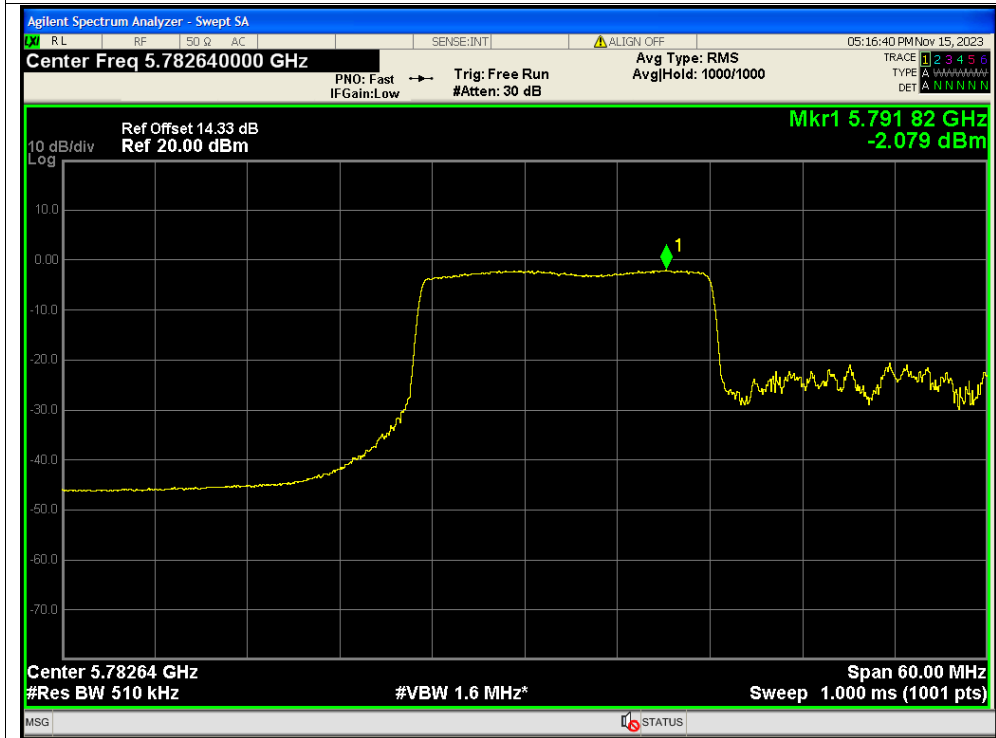


PSD NVNT ax40 242@61 5755MHz Ant2

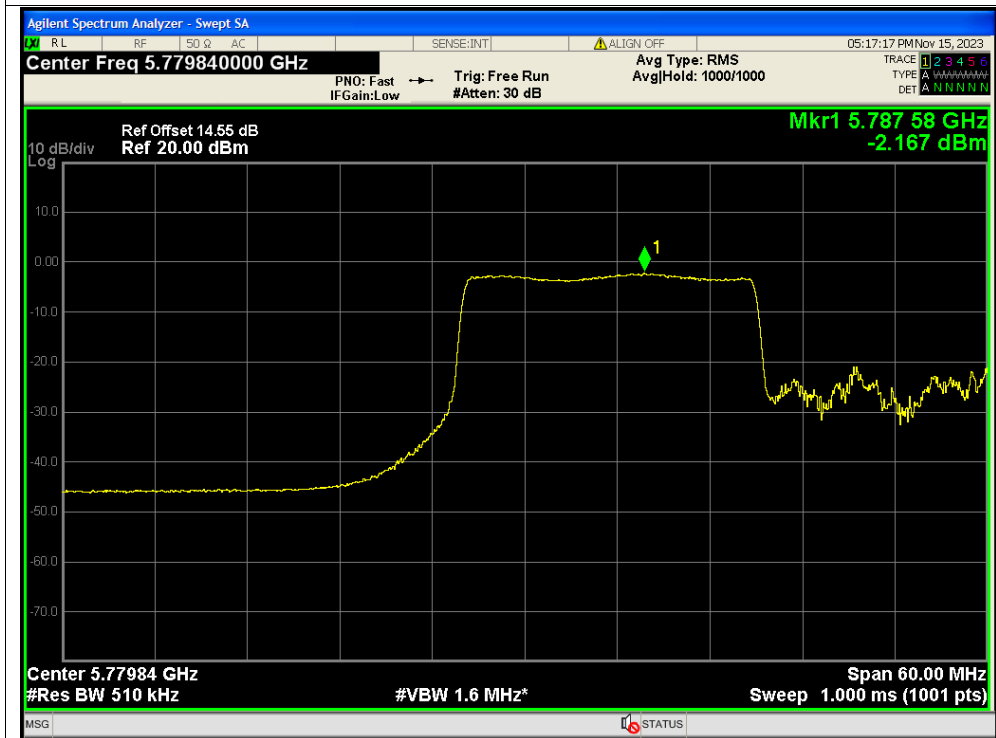


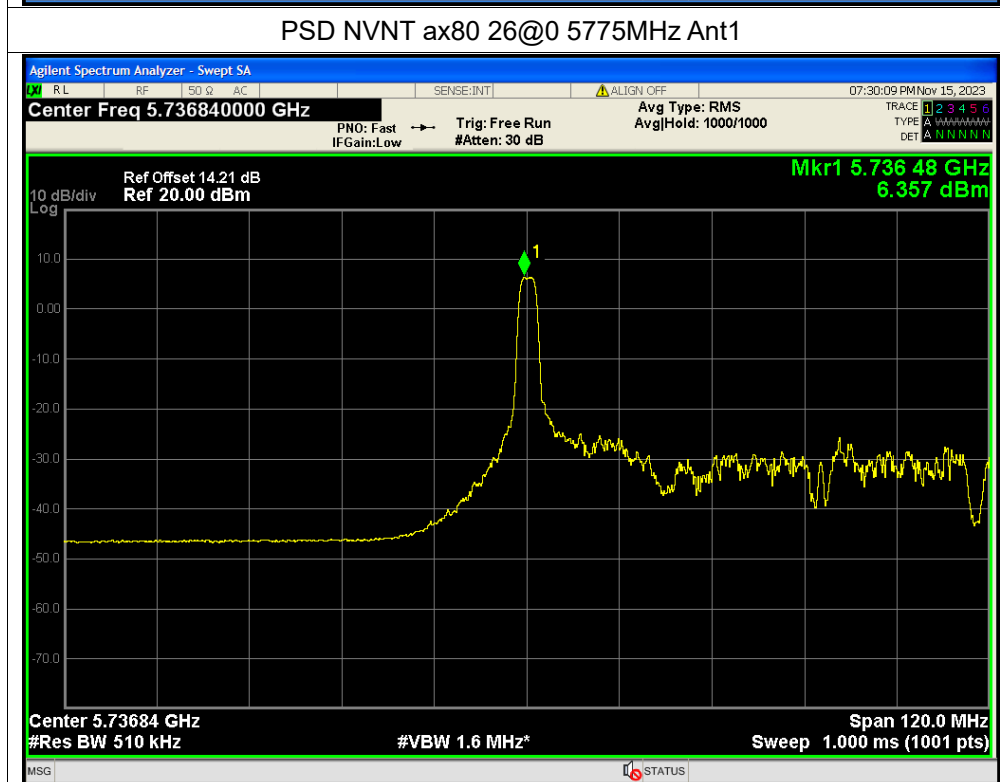
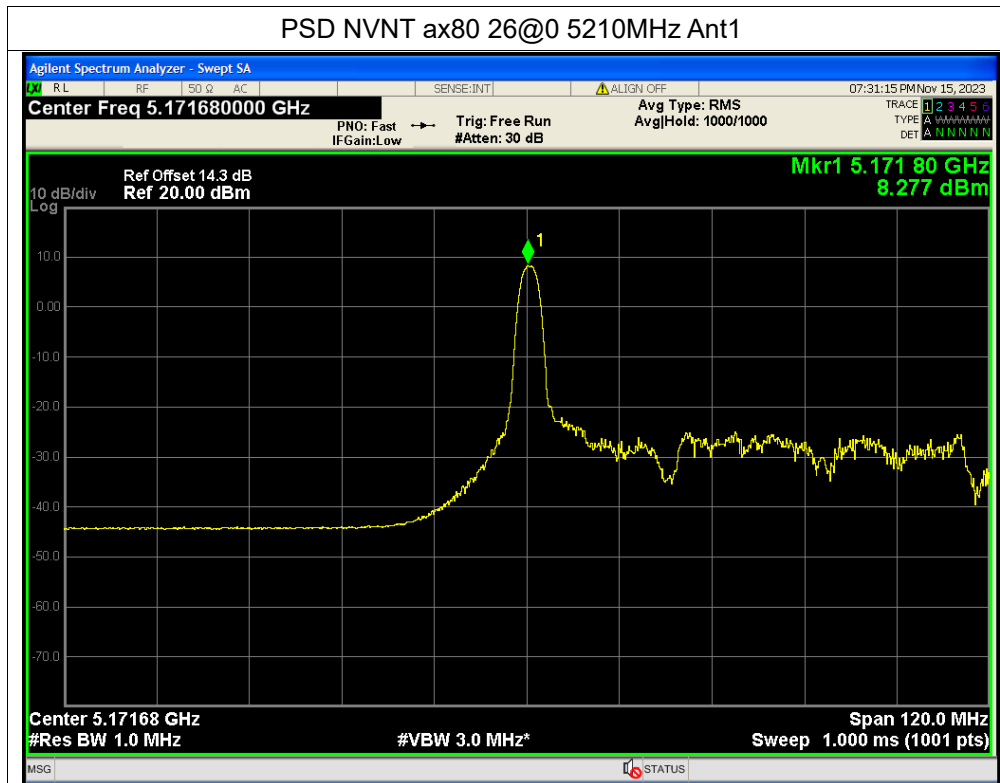


PSD NVNT ax40 242@61 5795MHz Ant1



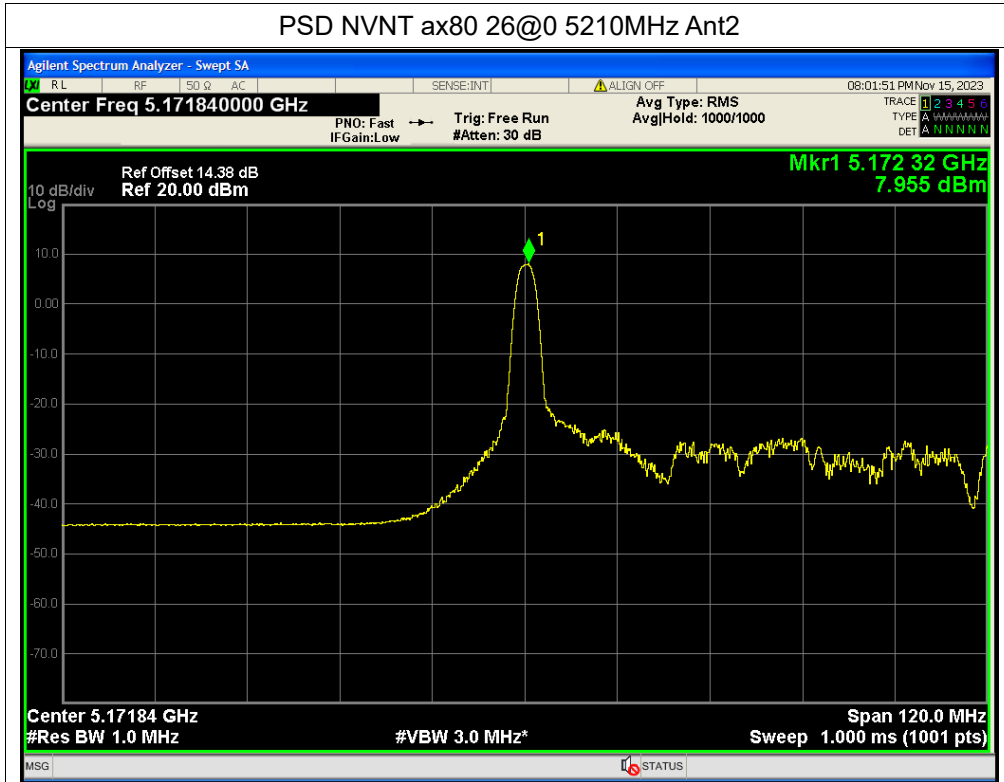
PSD NVNT ax40 242@61 5795MHz Ant2



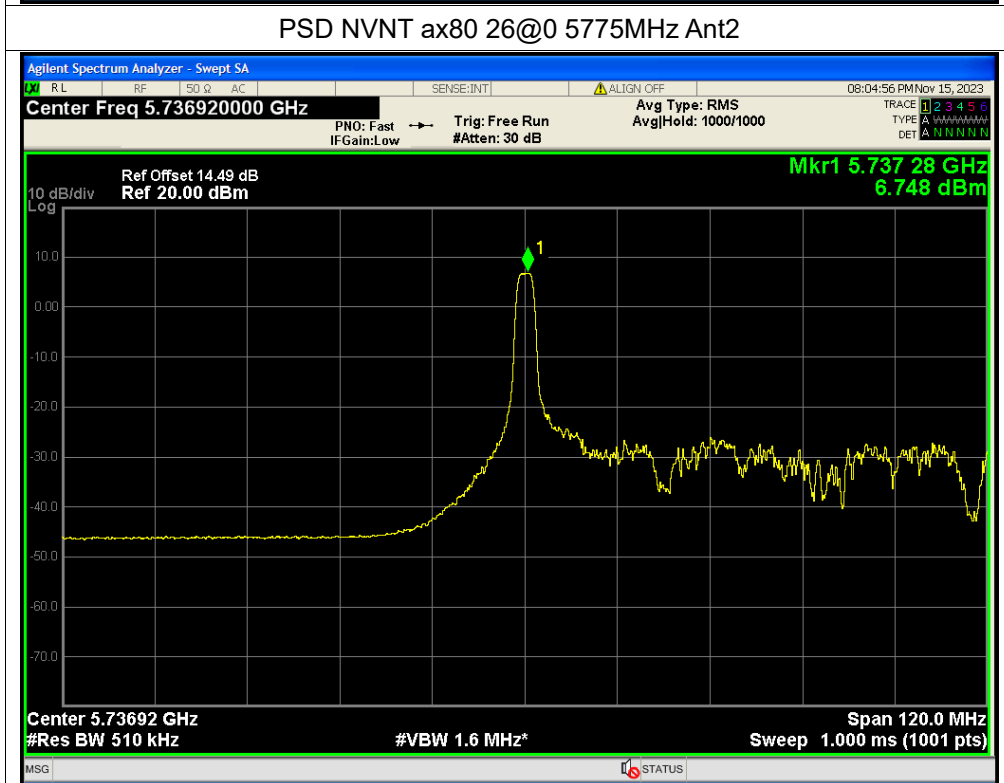




PSD NVNT ax80 26@0 5210MHz Ant2

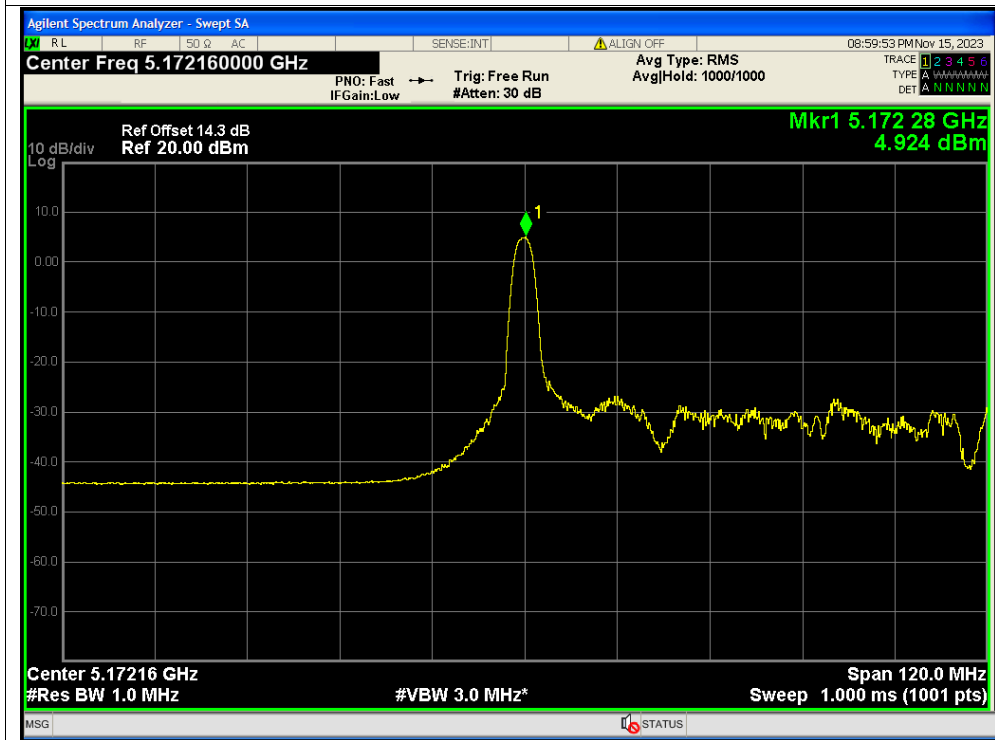


PSD NVNT ax80 26@0 5775MHz Ant2





PSD NVNT ax80 26@0 5210MHz Ant1

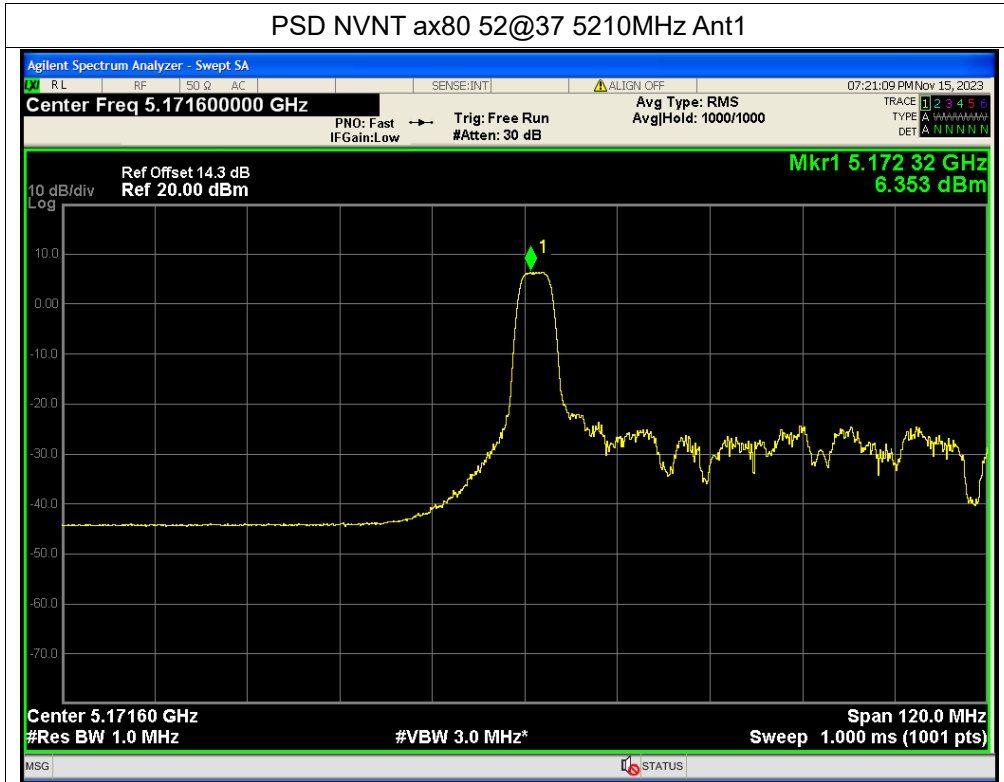


PSD NVNT ax80 26@0 5210MHz Ant2

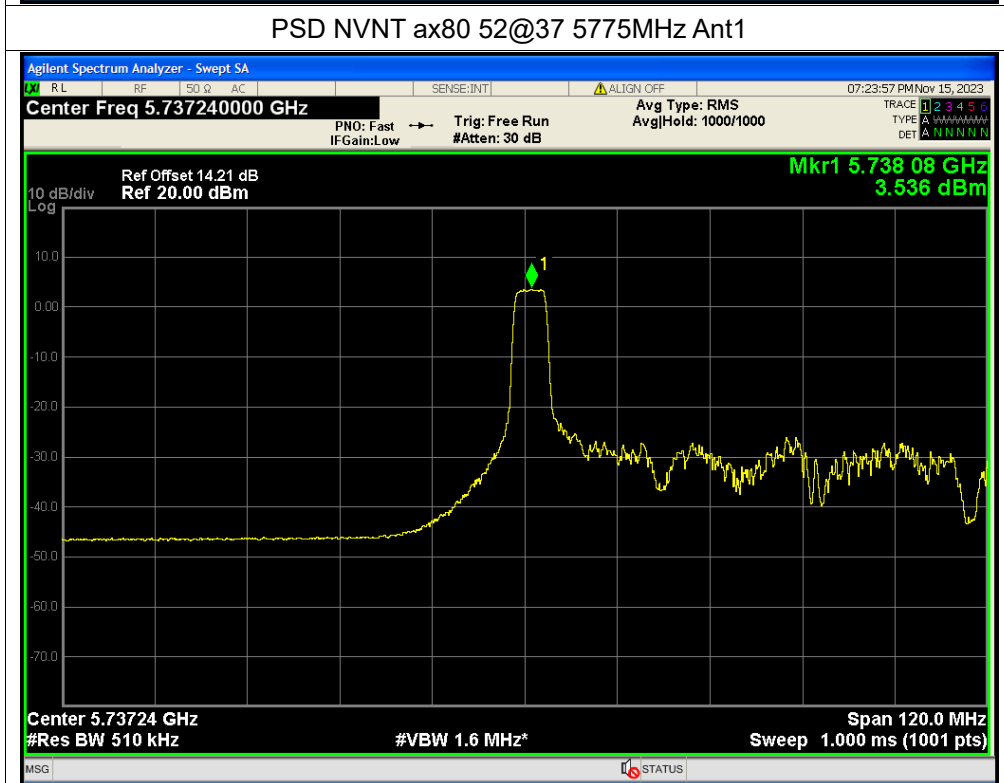




PSD NVNT ax80 52@37 5210MHz Ant1

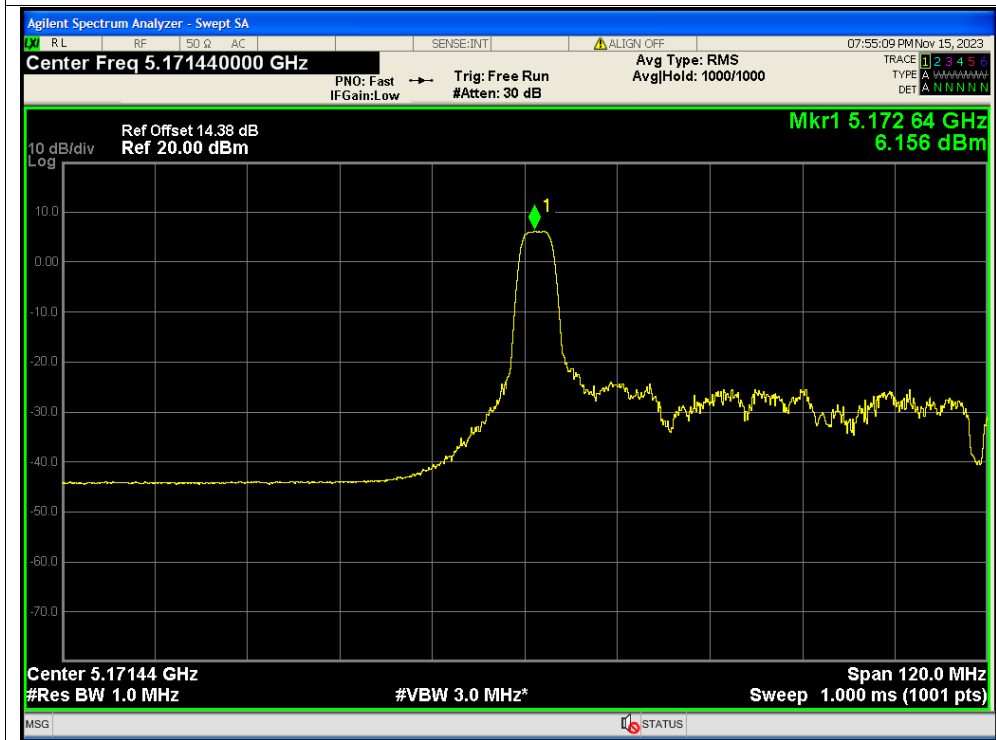


PSD NVNT ax80 52@37 5775MHz Ant1





PSD NVNT ax80 52@37 5210MHz Ant2

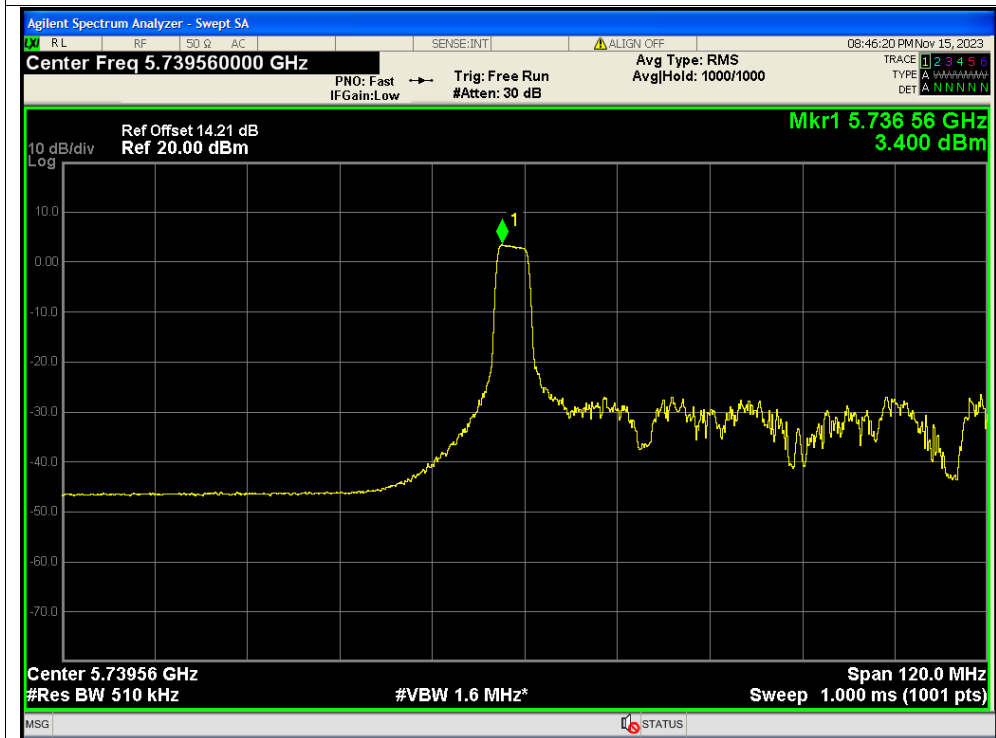


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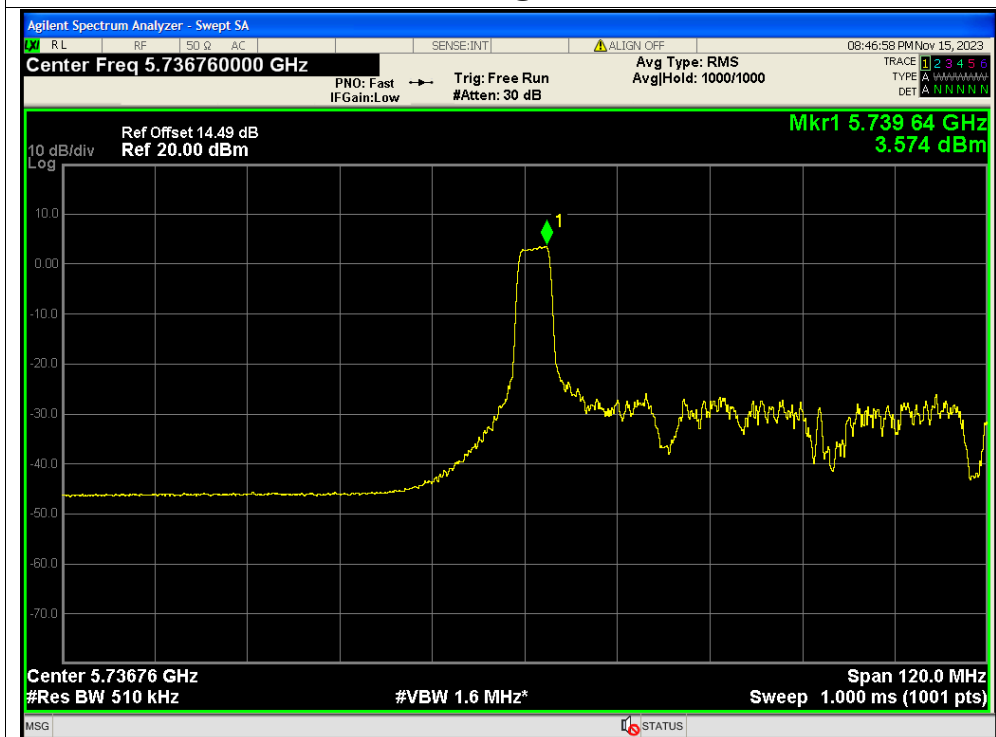




PSD NVNT ax80 52@37 5775MHz Ant1

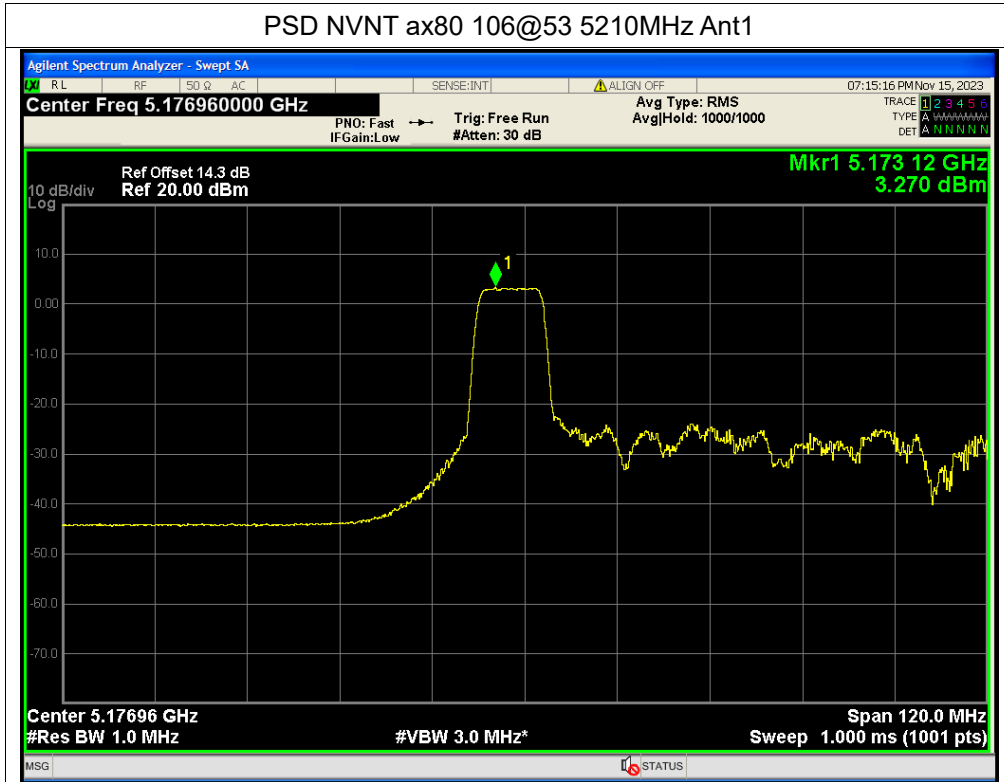


PSD NVNT ax80 52@37 5775MHz Ant2

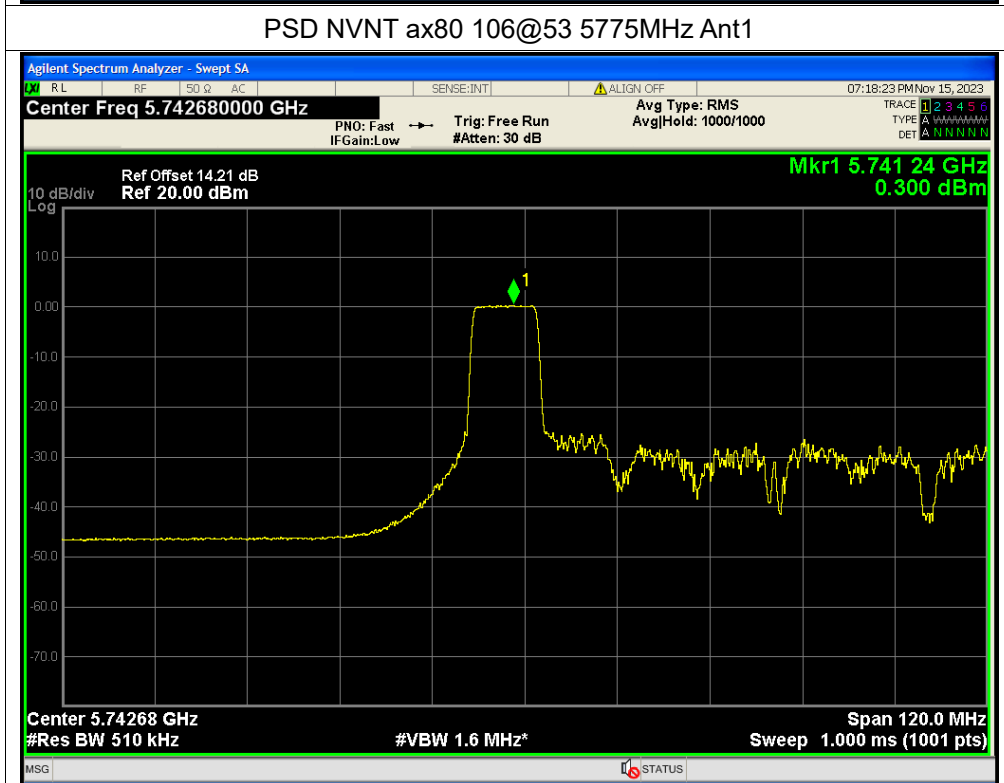




PSD NVNT ax80 106@53 5210MHz Ant1

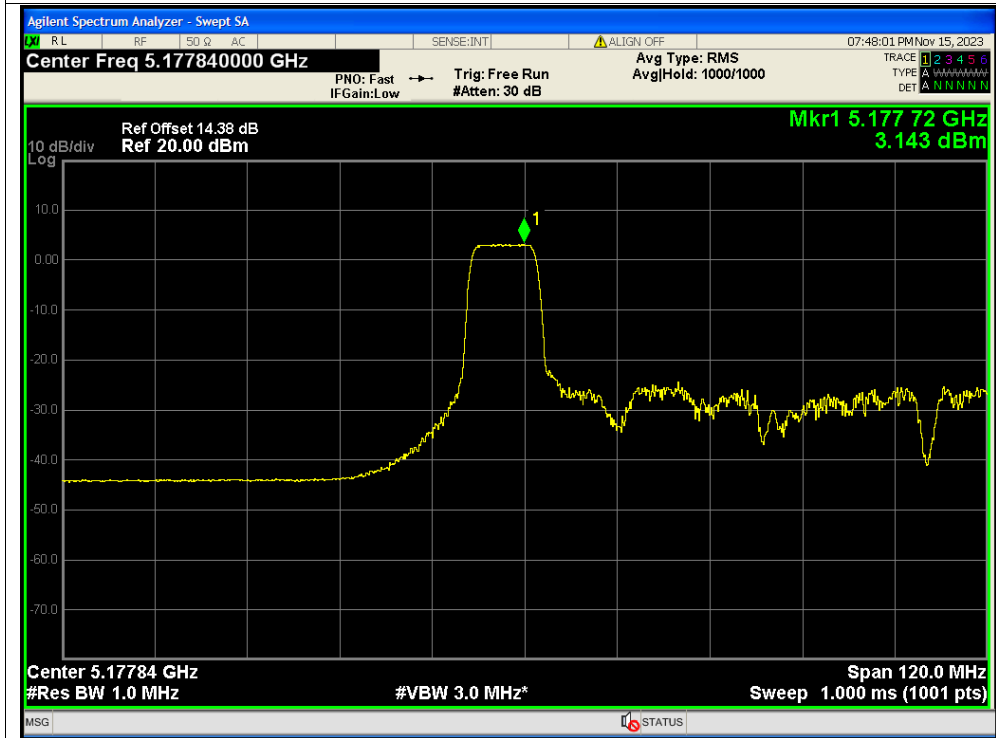


PSD NVNT ax80 106@53 5775MHz Ant1

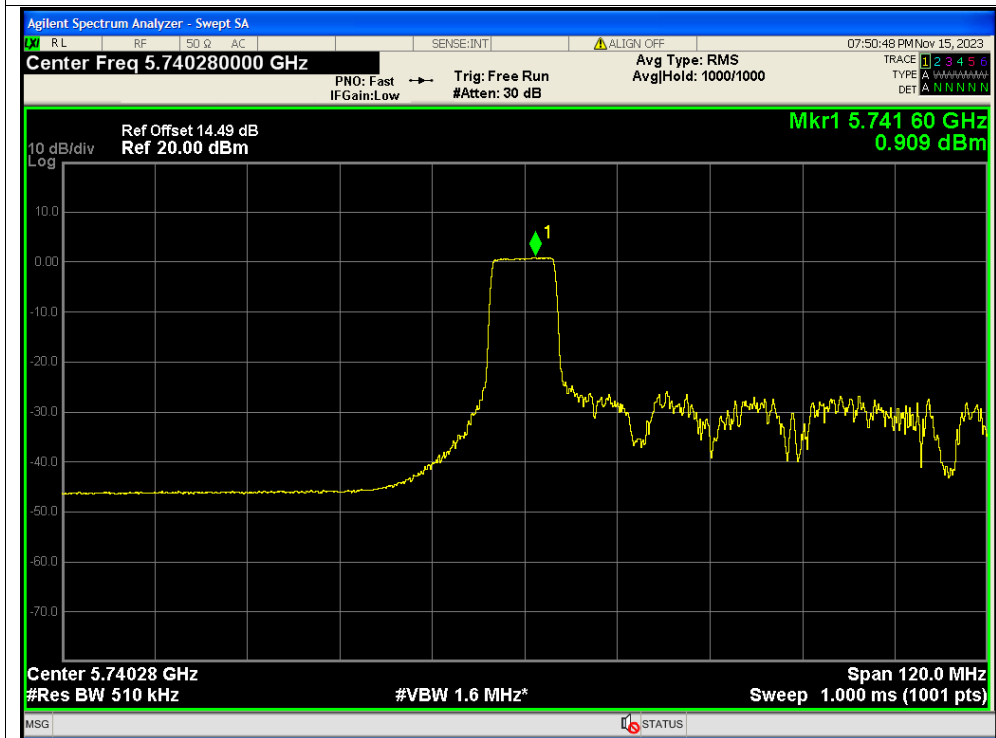




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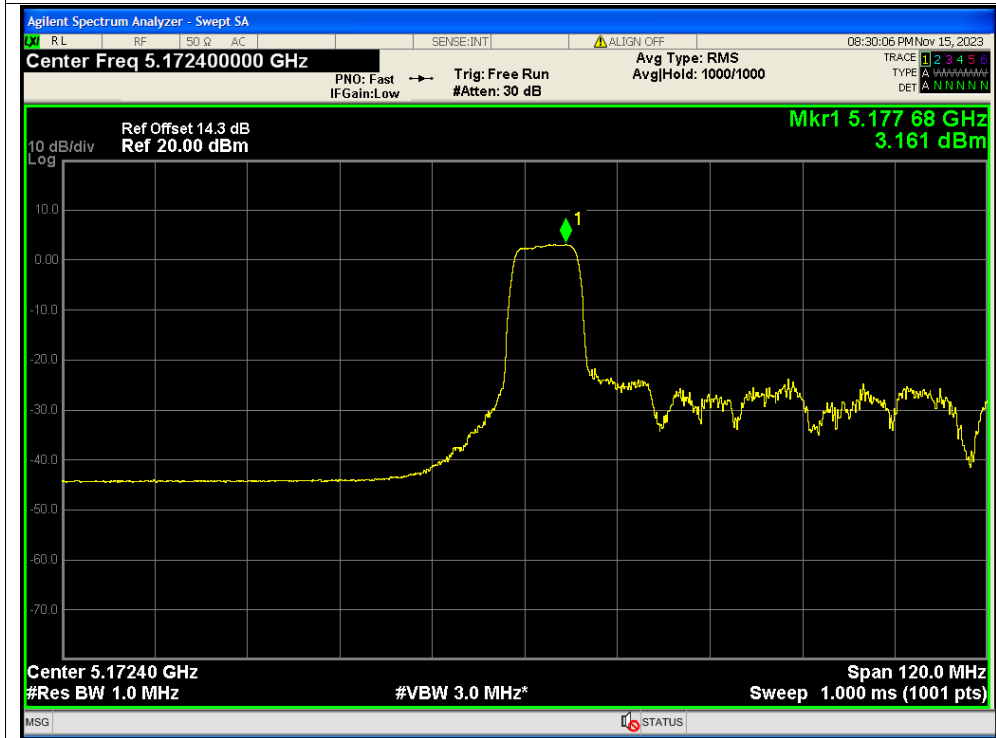


PSD NVNT ax80 106@53 5775MHz Ant2





PSD NVNT ax80 106@53 5210MHz Ant1

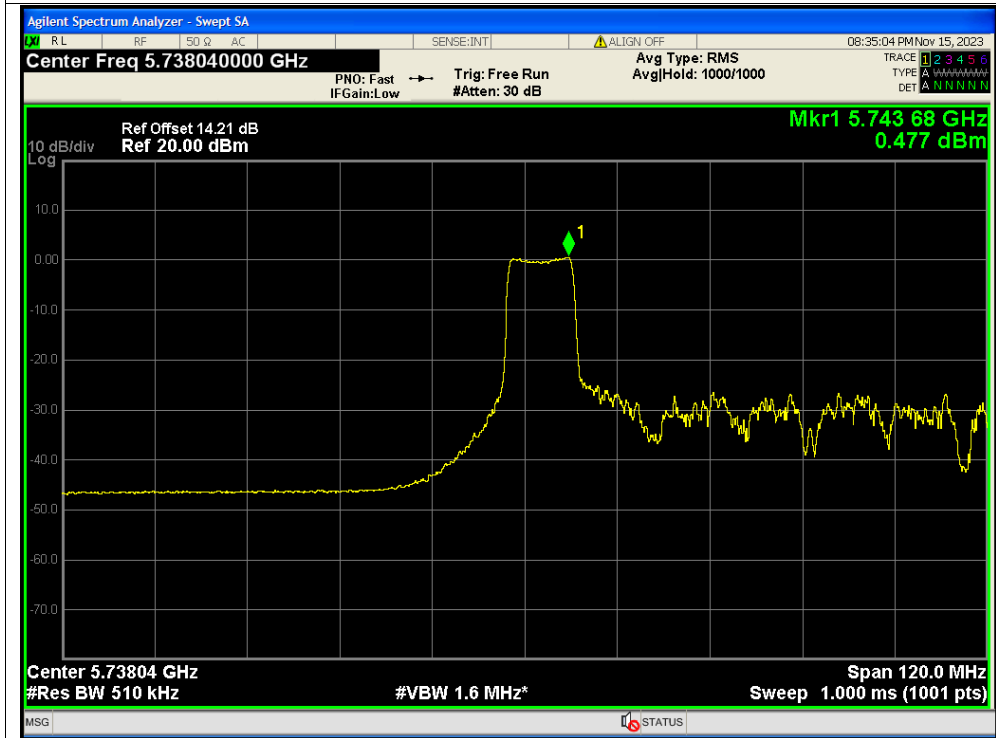


PSD NVNT ax80 106@53 5210MHz Ant2





PSD NVNT ax80 106@53 5775MHz Ant1

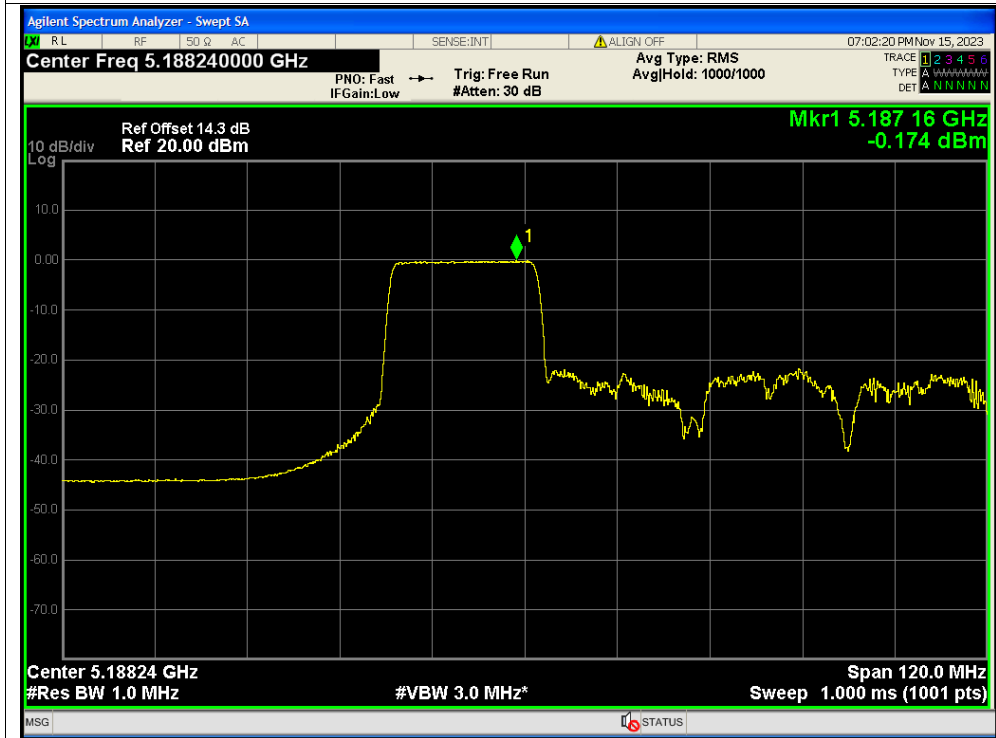


PSD NVNT ax80 106@53 5775MHz Ant2

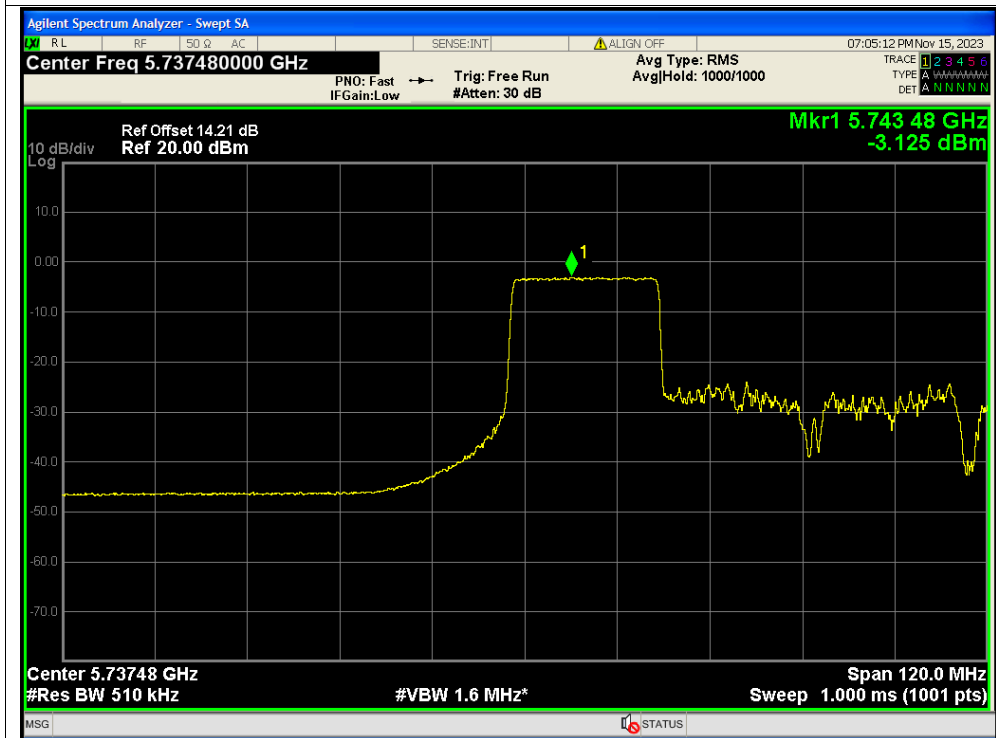




PSD NVNT ax80 242@61 5210MHz Ant1

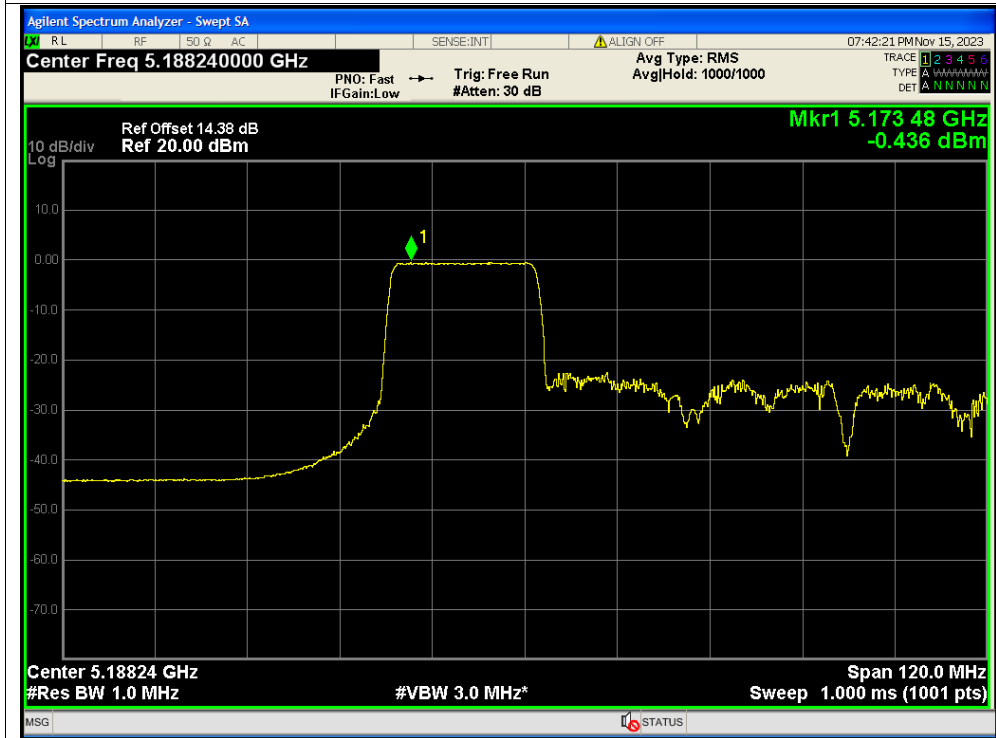


PSD NVNT ax80 242@61 5775MHz Ant1

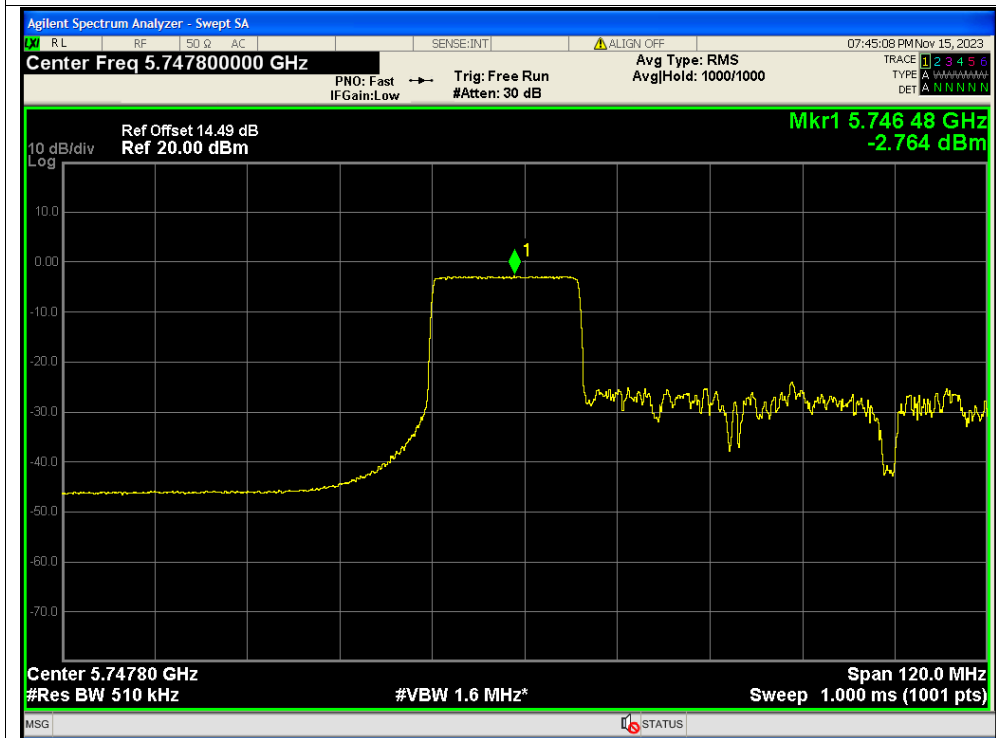




PSD NVNT ax80 242@61 5210MHz Ant2

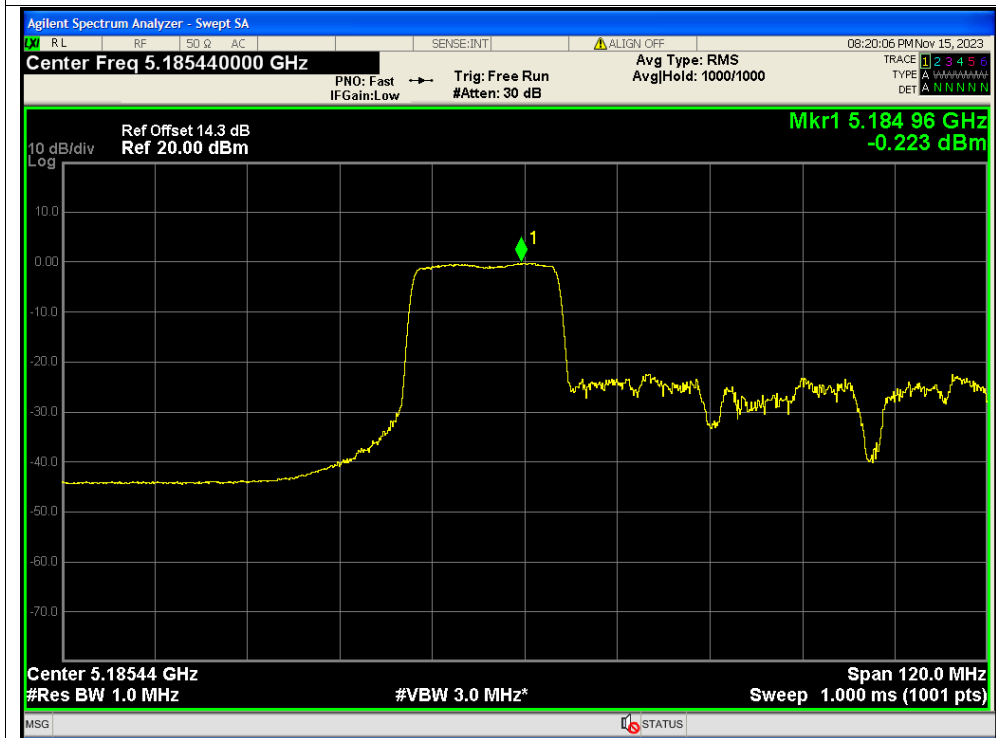


PSD NVNT ax80 242@61 5775MHz Ant2

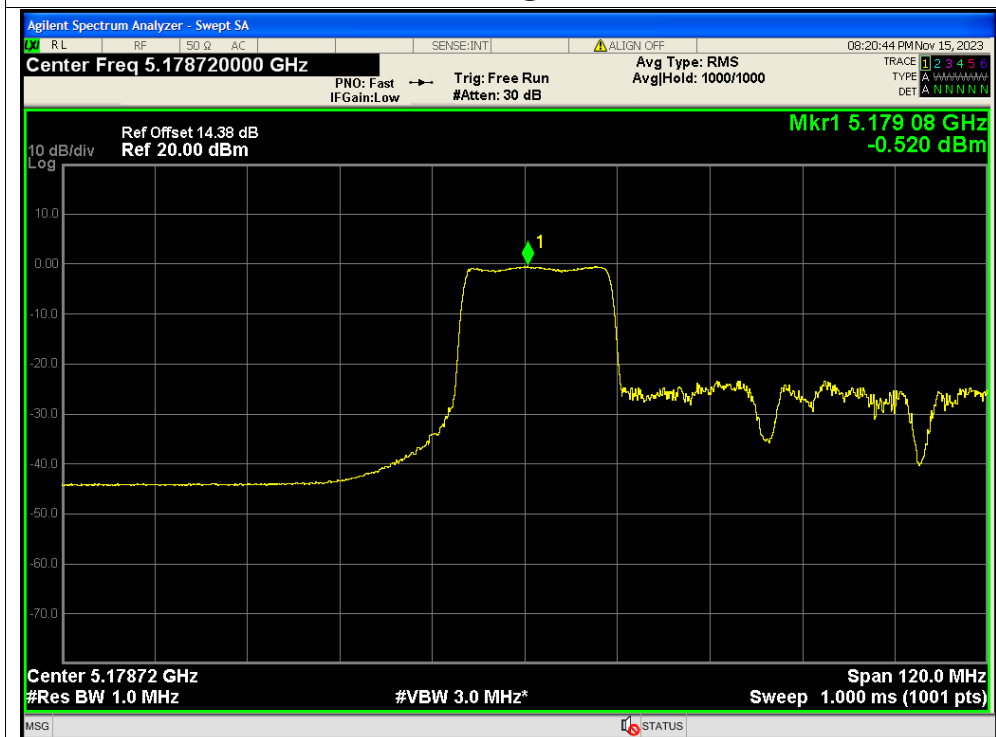




PSD NVNT ax80 242@61 5210MHz Ant1

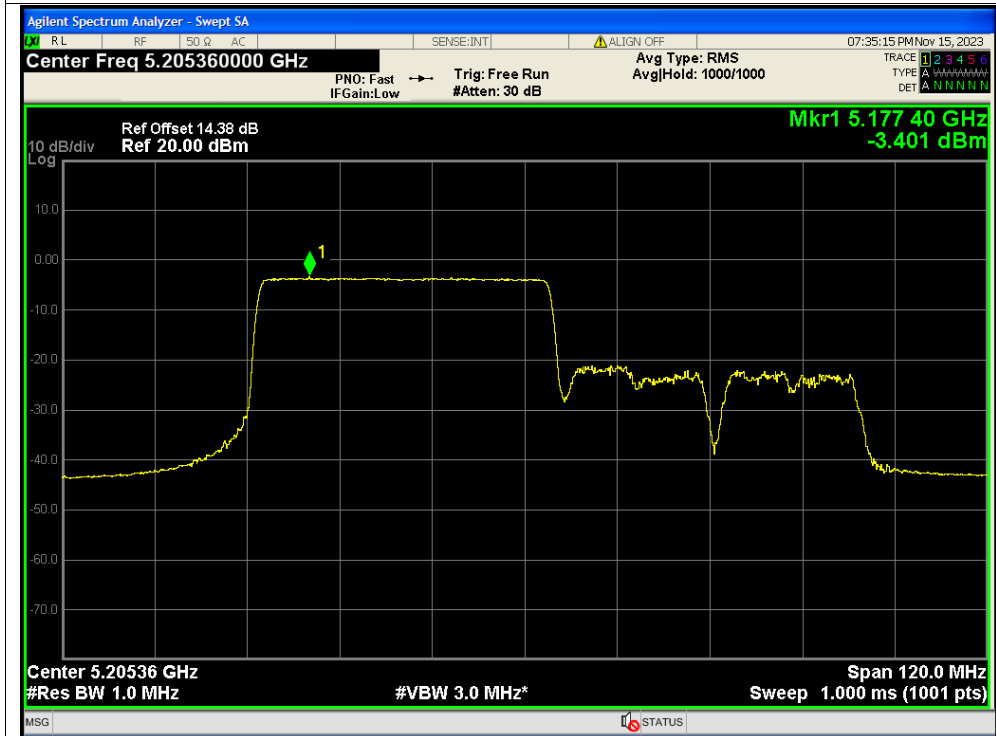


PSD NVNT ax80 242@61 5210MHz Ant2

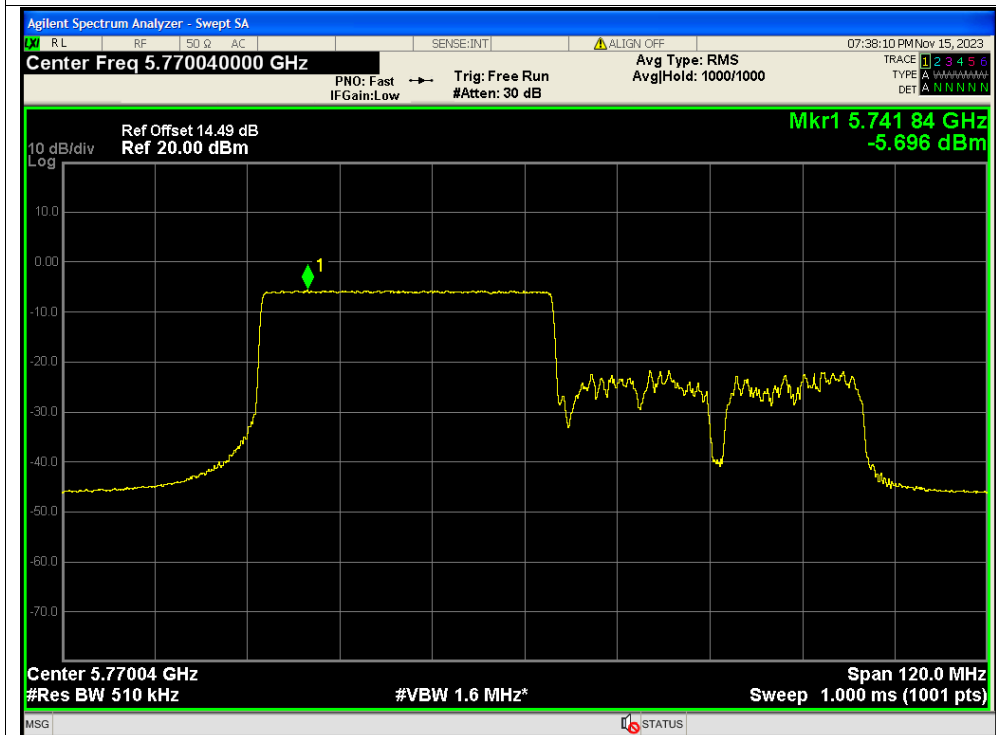




PSD NVNT ax80 484@65 5210MHz Ant2

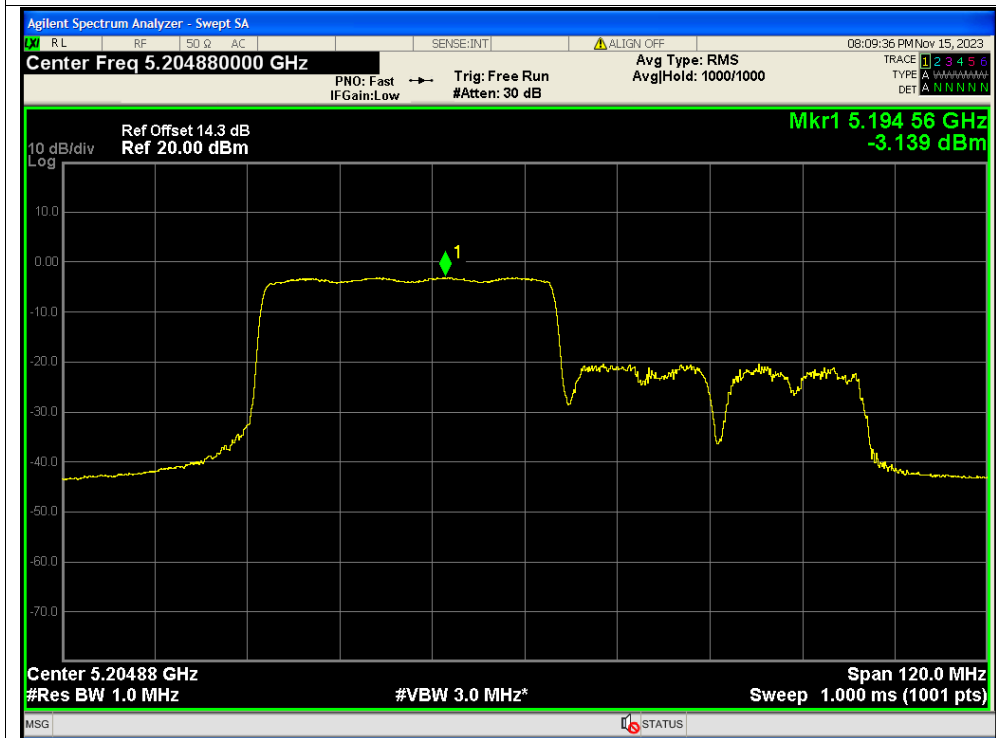


PSD NVNT ax80 484@65 5775MHz Ant2

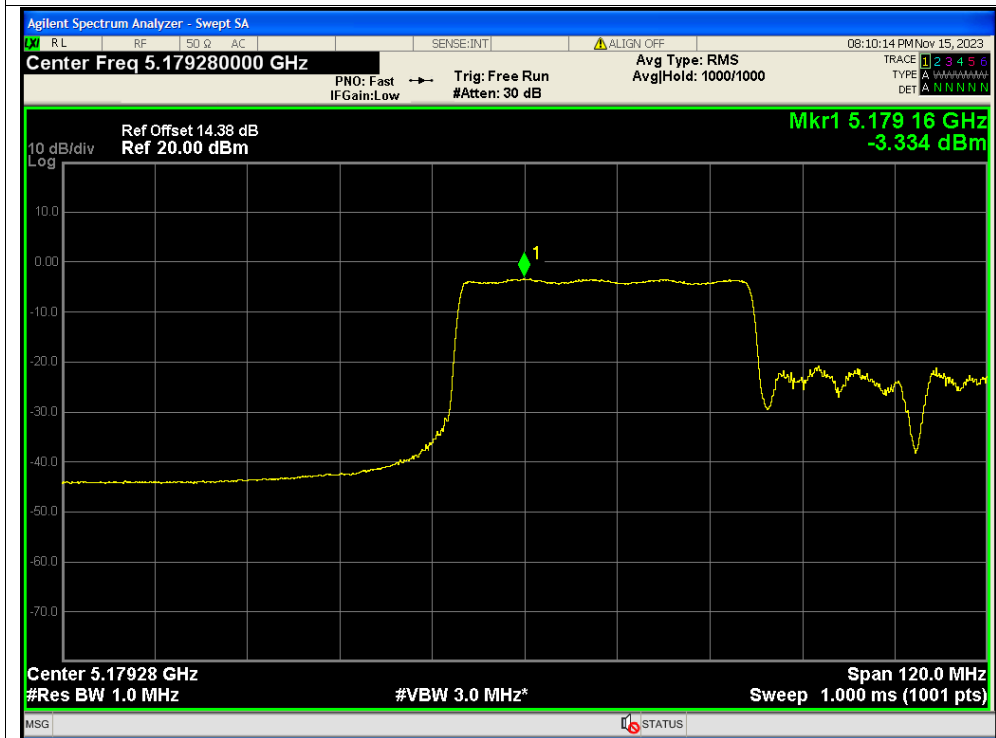




PSD NVNT ax80 484@65 5210MHz Ant1

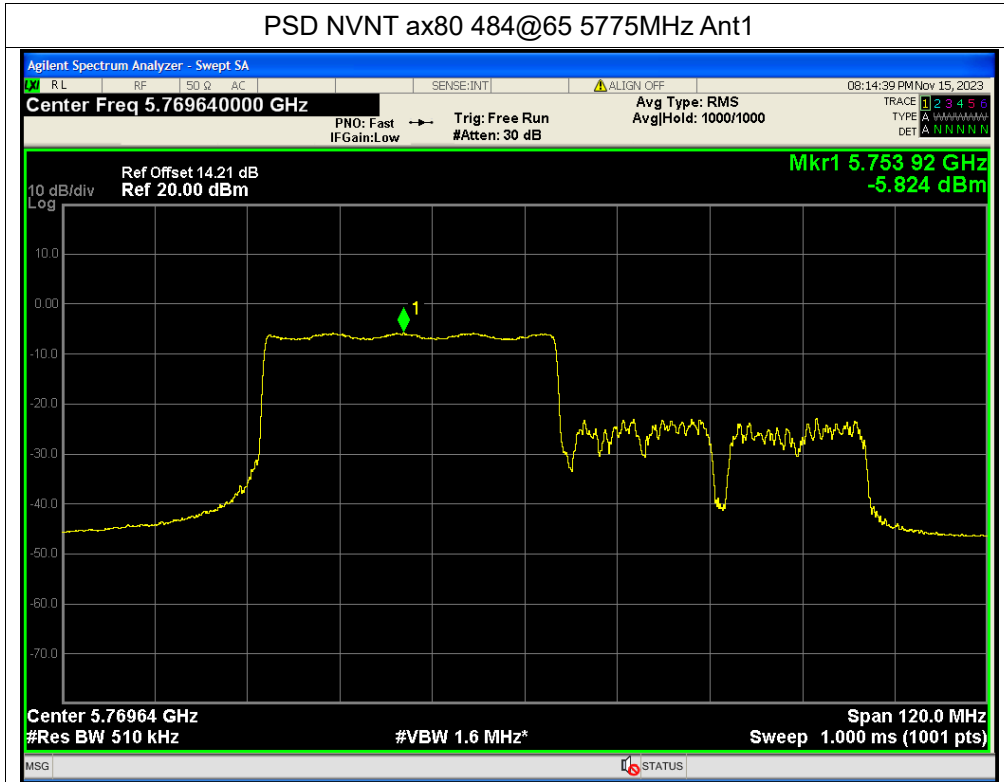


PSD NVNT ax80 484@65 5210MHz Ant2

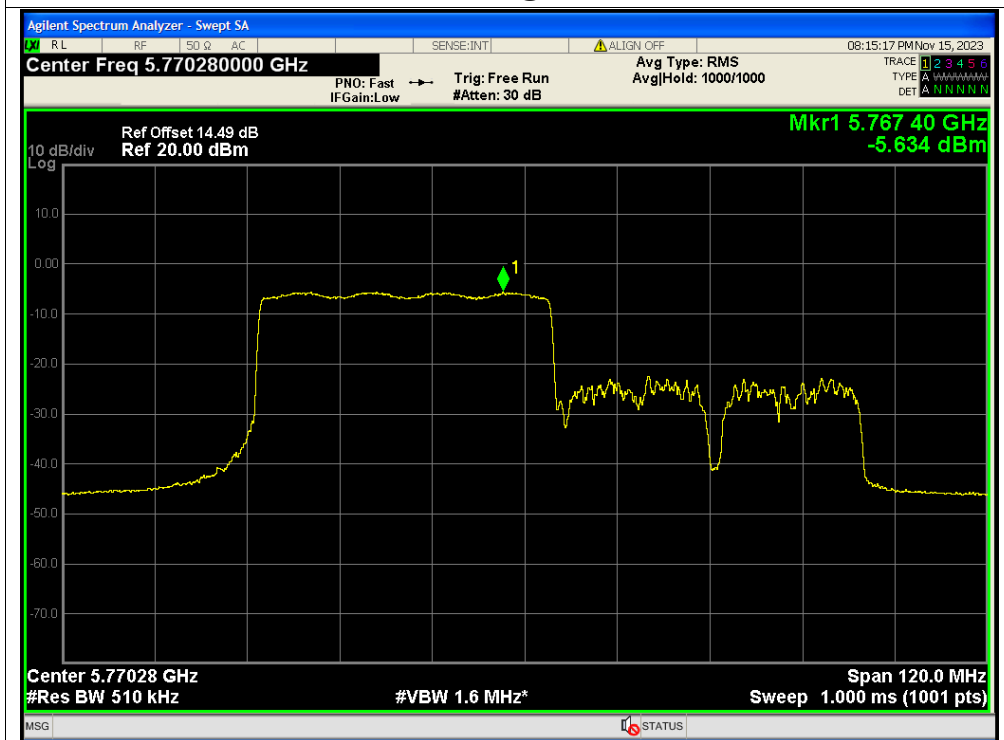




PSD NVNT ax80 484@65 5775MHz Ant1



PSD NVNT ax80 484@65 5775MHz Ant2



**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.40V	Carrier	5180	Ant1	5179.980	-20000	-3.86	25	Pass
20C 4.20V	Carrier	5180	Ant1	5179.980	-20000	-3.86	25	Pass
-20C 3.85V	Carrier	5180	Ant1	5179.980	-20000	-3.86	25	Pass
-10C 3.85V	Carrier	5180	Ant1	5179.980	-20000	-3.86	25	Pass
0C 3.85V	Carrier	5180	Ant1	5179.980	-20000	-3.86	25	Pass
10C 3.85V	Carrier	5180	Ant1	5179.980	-20000	-3.86	25	Pass
20C 3.85V	Carrier	5180	Ant1	5179.980	-20000	-3.86	25	Pass
30C 3.85V	Carrier	5180	Ant1	5179.980	-20000	-3.86	25	Pass
40C 3.85V	Carrier	5180	Ant1	5179.980	-20000	-3.86	25	Pass
45C 3.85V	Carrier	5180	Ant1	5179.980	-20000	-3.86	25	Pass
20C 3.40V	Carrier	5745	Ant1	5744.977	-23000	-4.00	25	Pass
20C 4.20V	Carrier	5745	Ant1	5744.977	-23000	-4.00	25	Pass
-20C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4.00	25	Pass
-10C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4.00	25	Pass
0C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4.00	25	Pass
10C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4.00	25	Pass
20C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4.00	25	Pass
30C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4.00	25	Pass
40C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4.00	25	Pass
45C 3.85V	Carrier	5745	Ant1	5744.976	-24000	-4.18	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+USB Cable+PC+PC Adapter+WIFI TX

Test voltage: AC 120V/60Hz

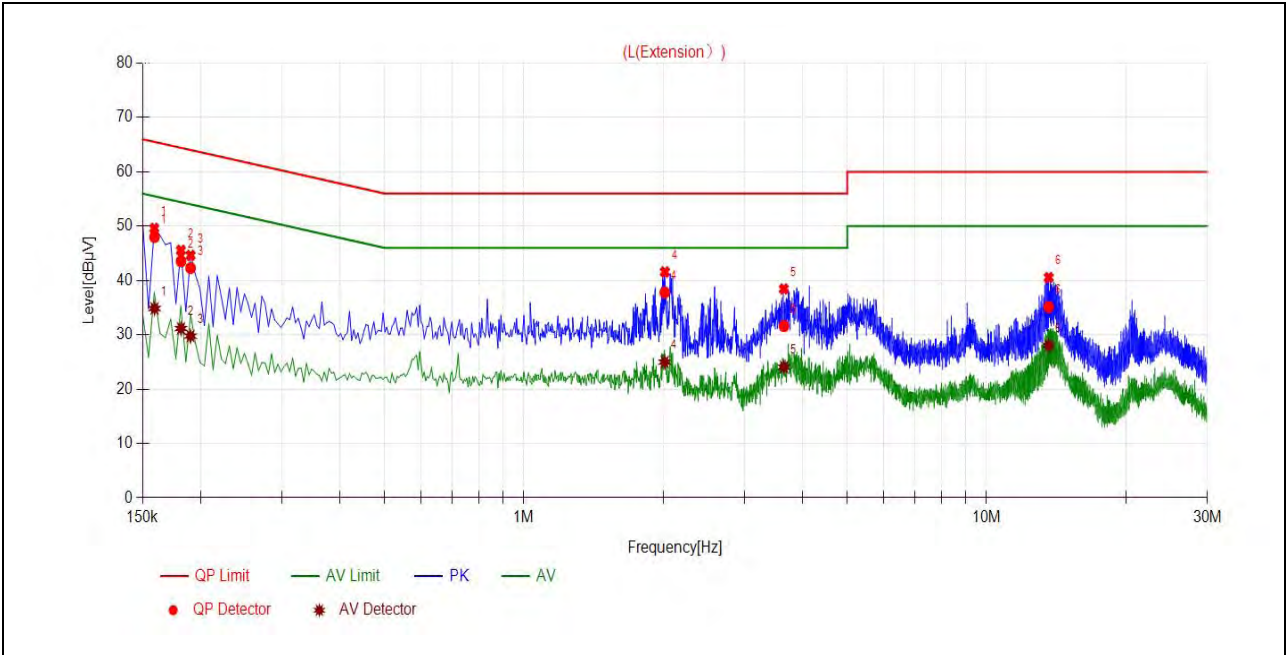
The measurement results are obtained as below:

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

U_R : Receiver Reading

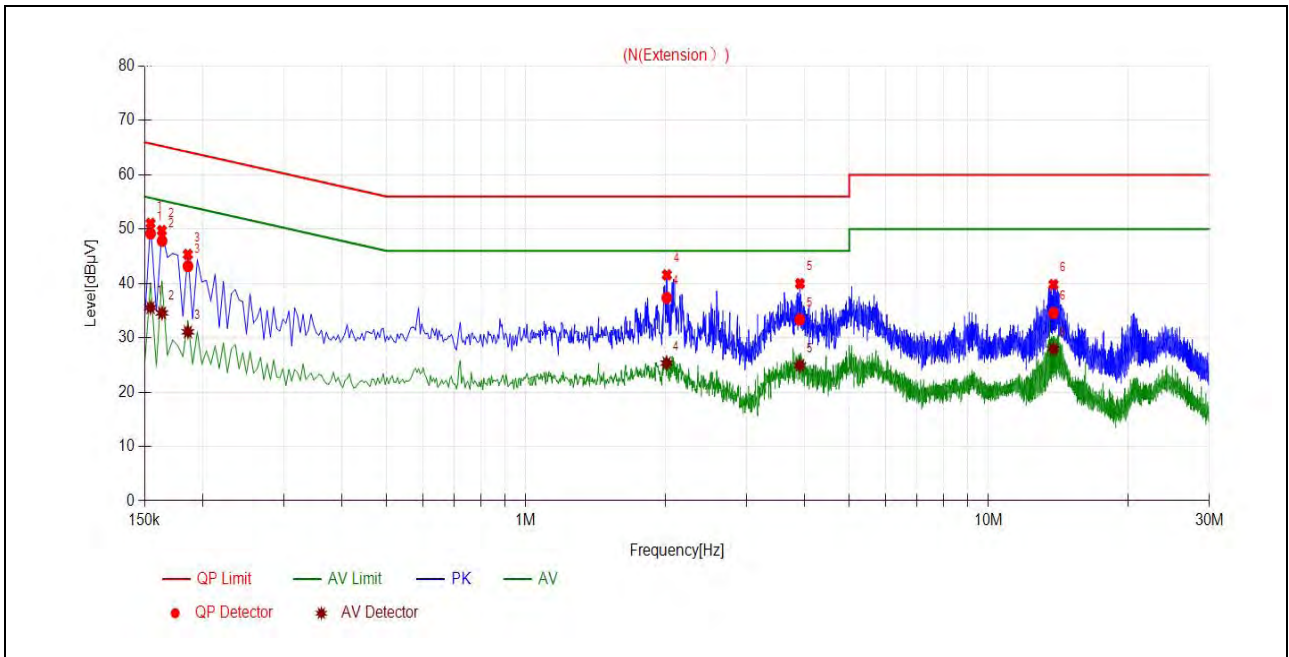
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1592	48.01	34.85	65.51	55.51	Line	PASS
2	0.1816	43.53	31.16	64.41	54.41		PASS
3	0.1904	42.29	29.76	64.02	54.02		PASS
4	2.0155	37.80	24.99	56.00	46.00		PASS
5	3.6496	31.61	24.06	56.00	46.00		PASS
6	13.6185	35.14	28.04	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	0.1545	49.19	35.56	65.76	55.76	Neutral	PASS
2	0.1636	47.85	34.58	65.28	55.28		PASS
3	0.1861	43.19	31.10	64.21	54.21		PASS
4	2.0159	37.37	25.35	56.00	46.00		PASS
5	3.9091	33.36	24.92	56.00	46.00		PASS
6	13.8092	34.57	27.94	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

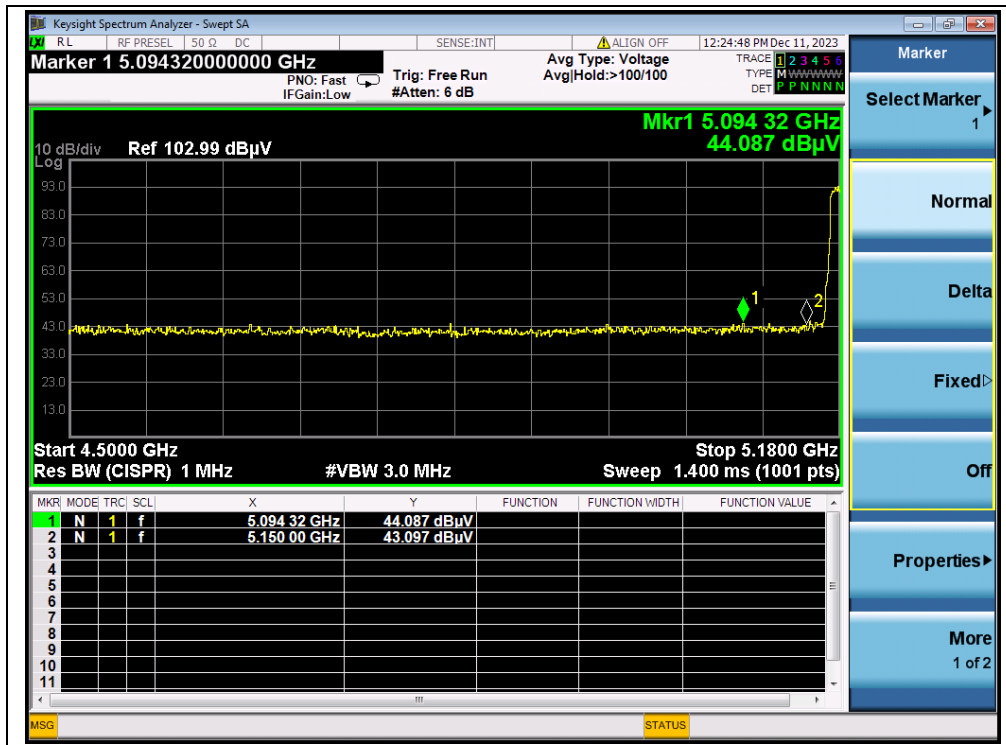
A_{Factor} : Antenna Factor at 3m

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.

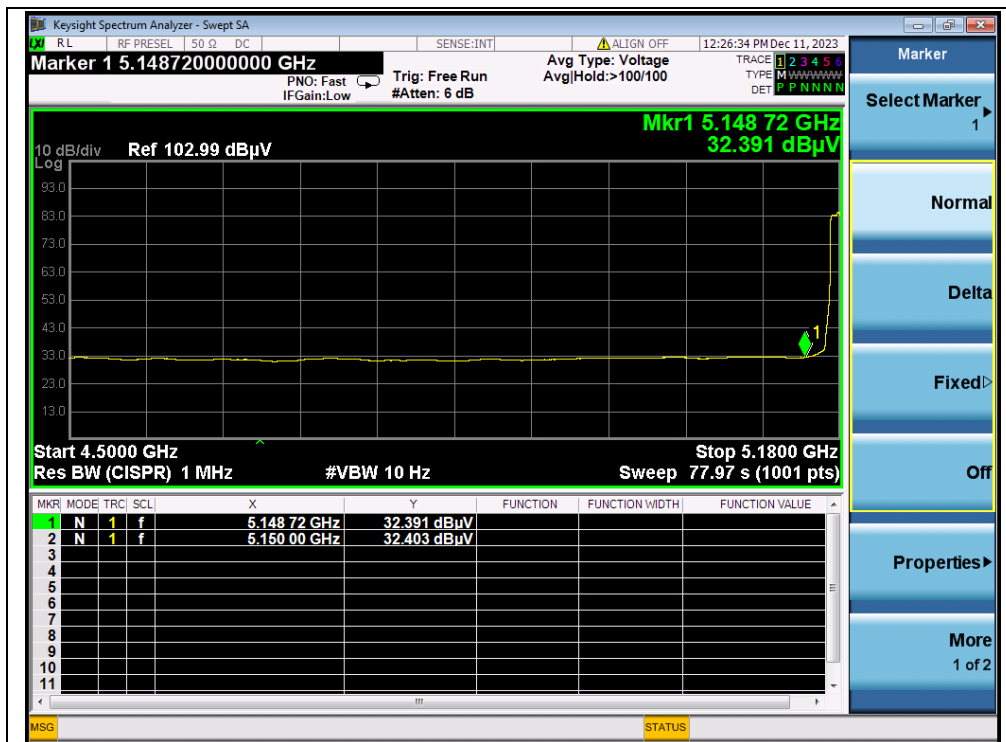
Note 2: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

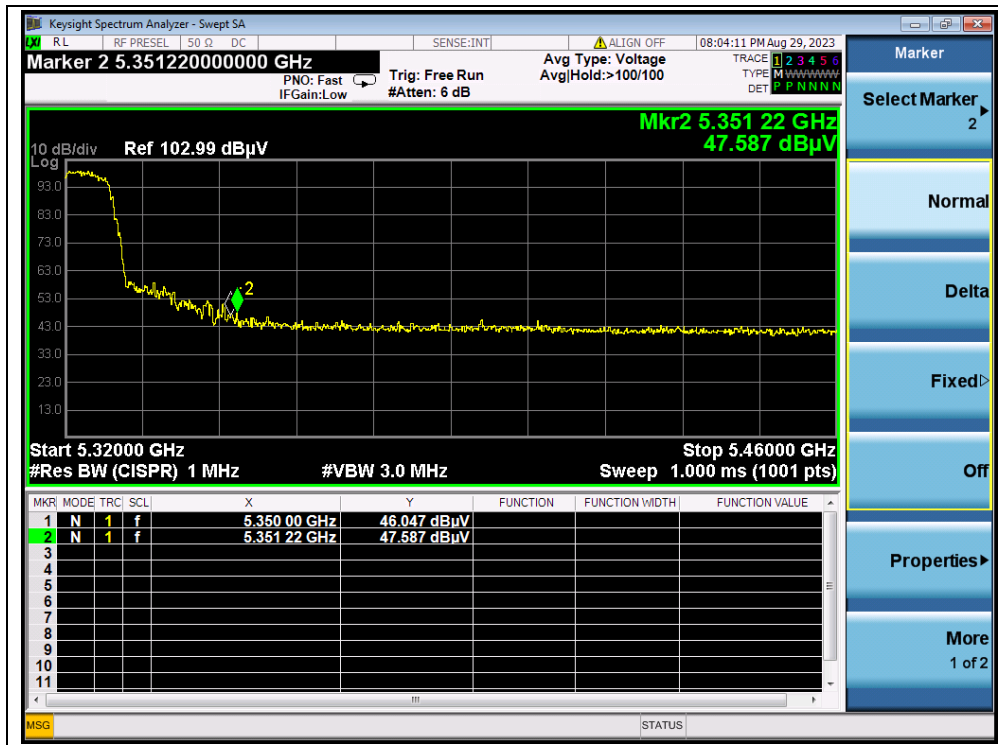
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
36	5094.32	PK	44.09	-19.54	32.20	56.75	74	PASS
36	5150.00	AV	32.40	-19.54	32.20	45.06	54	PASS
48	5360.56	PK	42.65	-19.54	32.20	55.31	74	PASS
48	5351.98	AV	30.43	-19.54	32.20	43.09	54	PASS
149	5725.00	PK	55.82	-19.01	32.20	69.01	122.23	PASS
165	5850.00	PK	49.82	-19.01	32.20	63.01	122.23	PASS



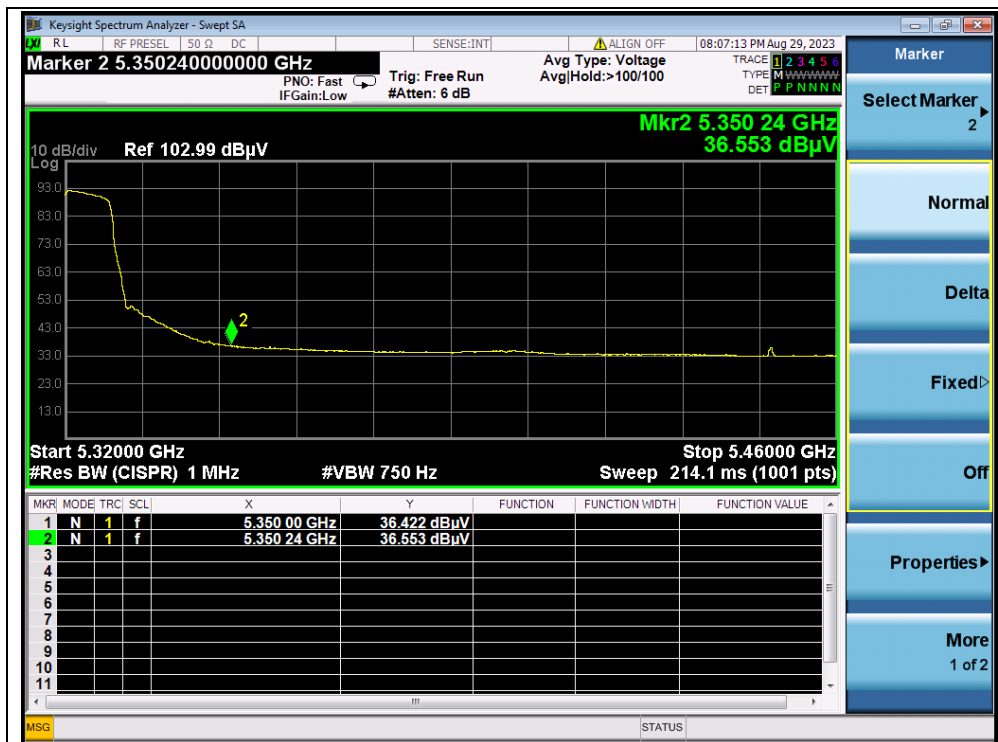
(PEAK, Channel 36, 802.11a)



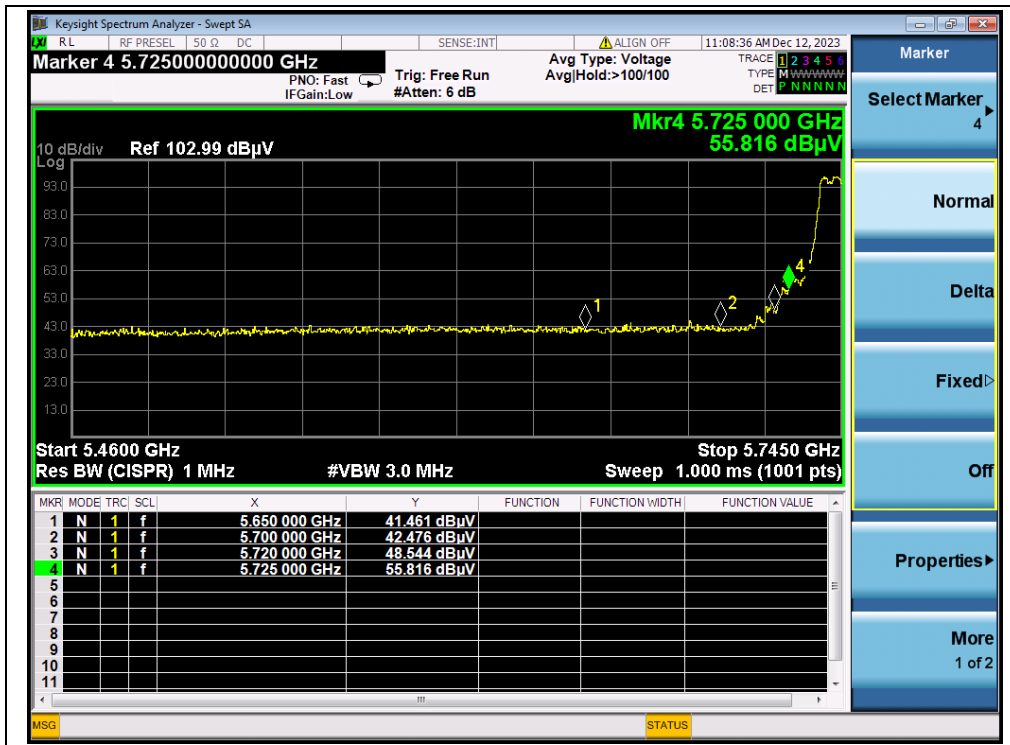
(AVERAGE, Channel 36, 802.11a)



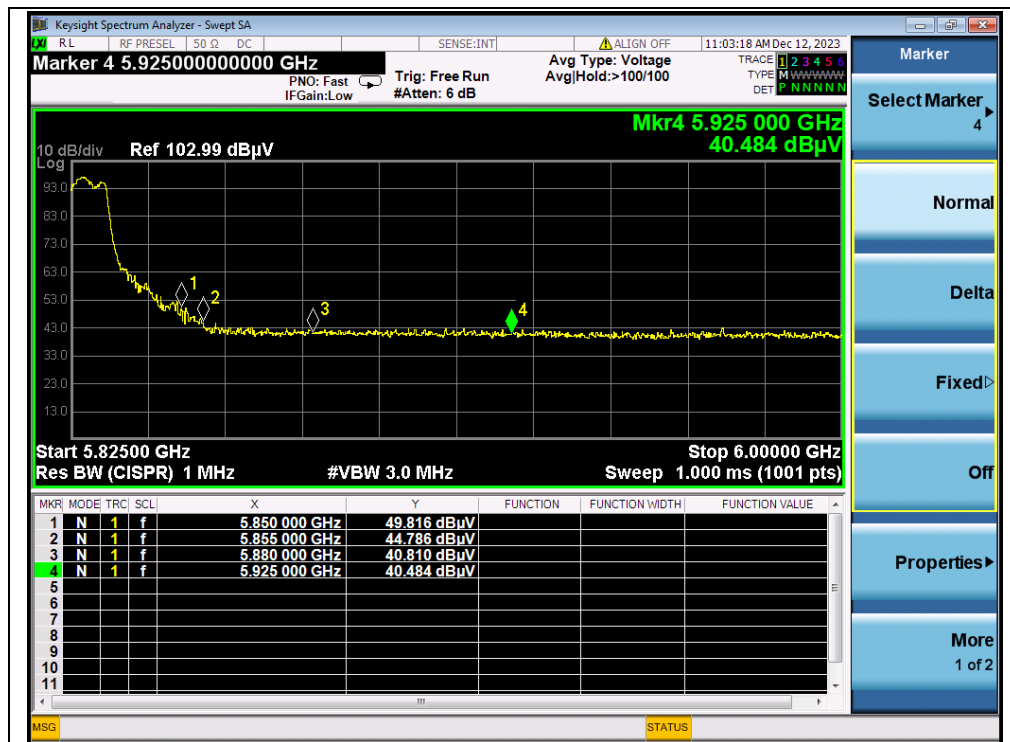
(PEAK, Channel 48, 802.11a)



(AVERAGE, Channel 48, 802.11a)



(PEAK, Channel 149, 802.11a)

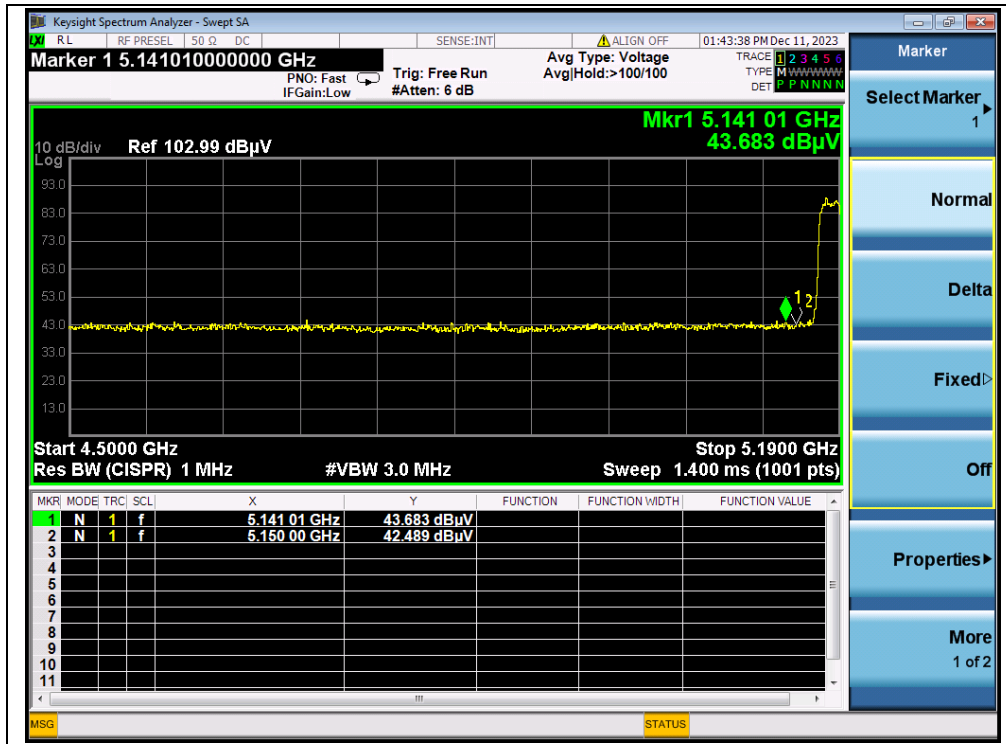


(PEAK, Channel 165, 802.11a)

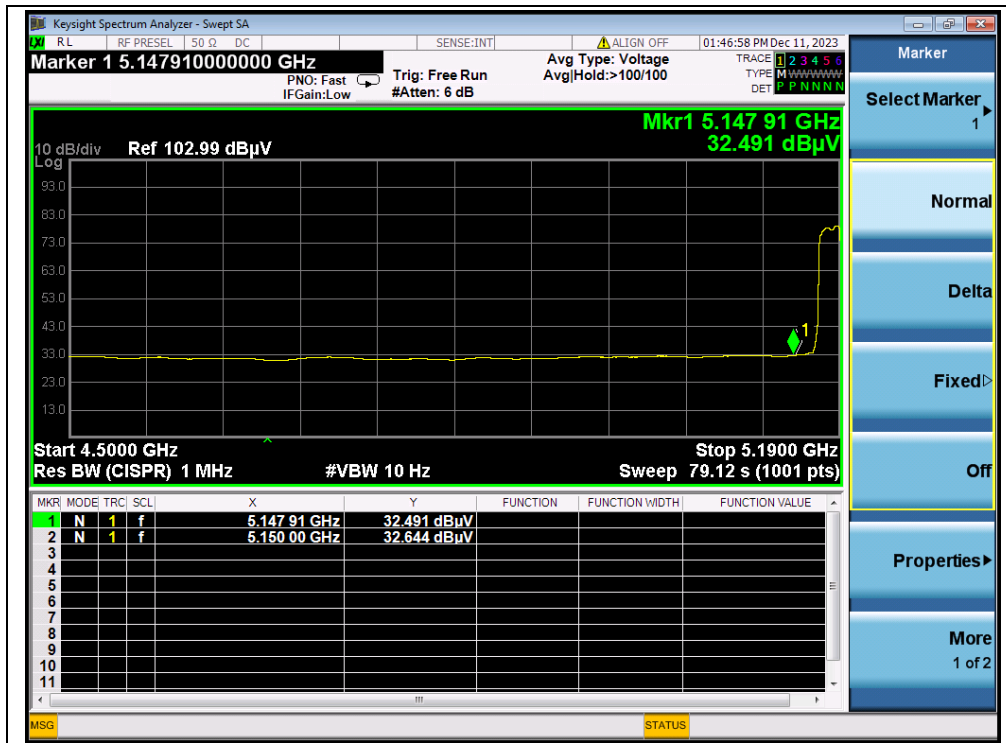


802.11n (HT40) Mode

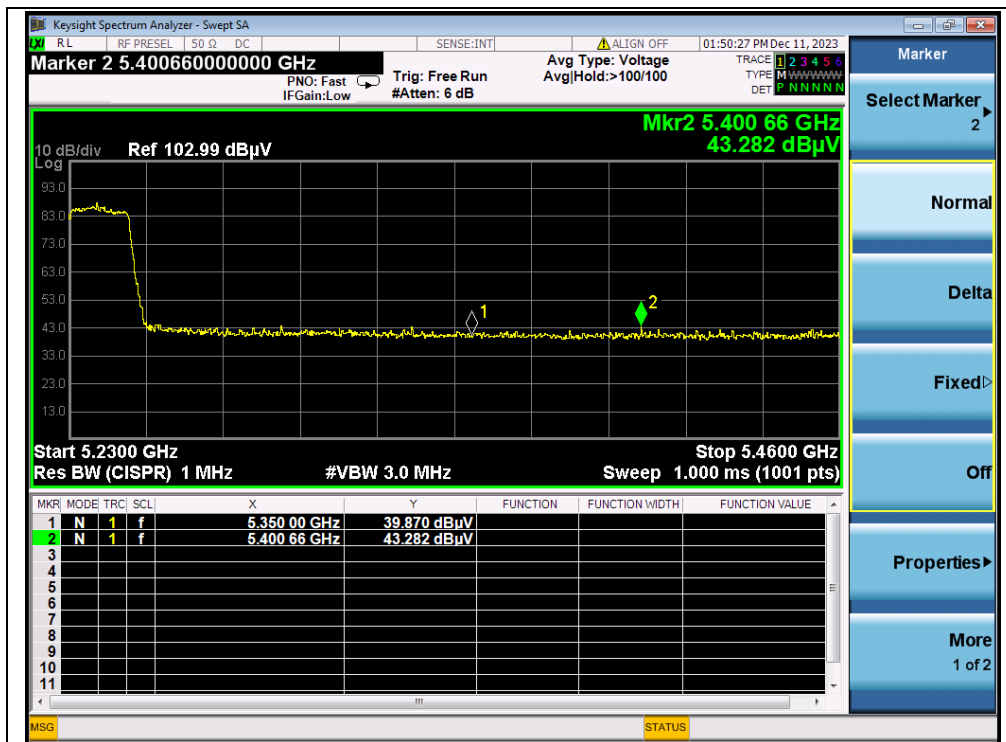
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T	A_{Factor}	Max. Emission	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)	(dB)	(dB@3m)	E (dB μ V/m)		
38	5141.01	PK	43.68	-19.54	32.20	56.34	74	PASS
38	5150.00	AV	32.64	-19.54	32.20	45.30	54	PASS
46	5400.66	PK	43.28	-19.54	32.20	55.94	74	PASS
46	5360.98	AV	30.49	-19.54	32.20	43.15	54	PASS
151	5720.00	PK	55.43	-19.01	32.20	68.62	110.83	PASS
159	5880.00	PK	41.74	-19.01	32.20	54.93	101.53	PASS



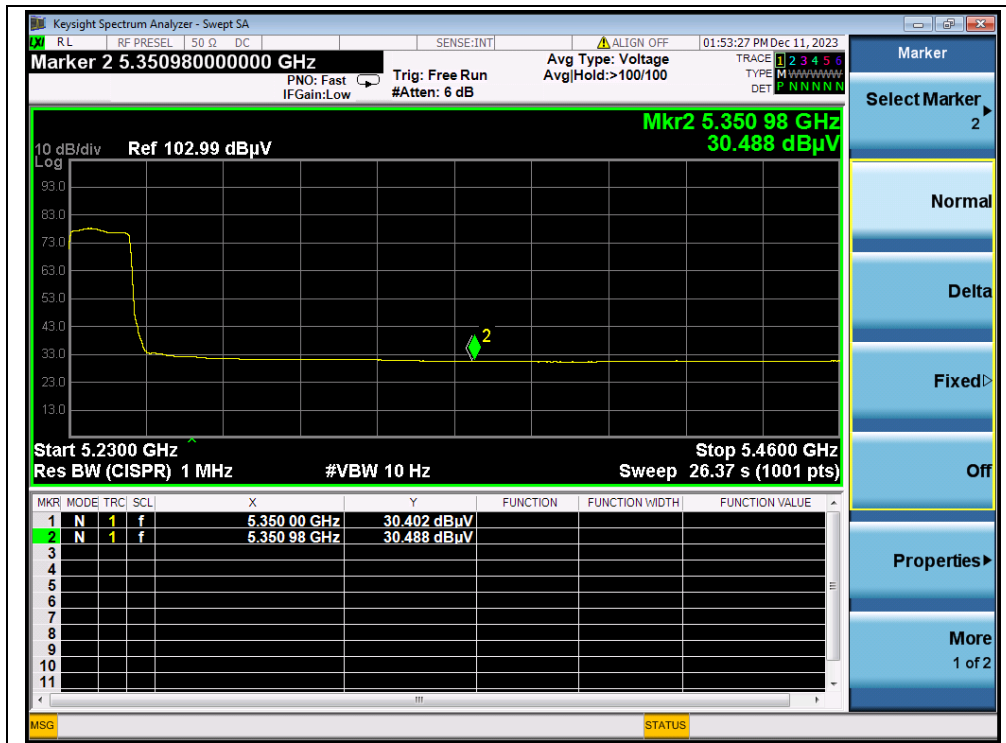
(PEAK, Channel 38, 802.11n (HT40))



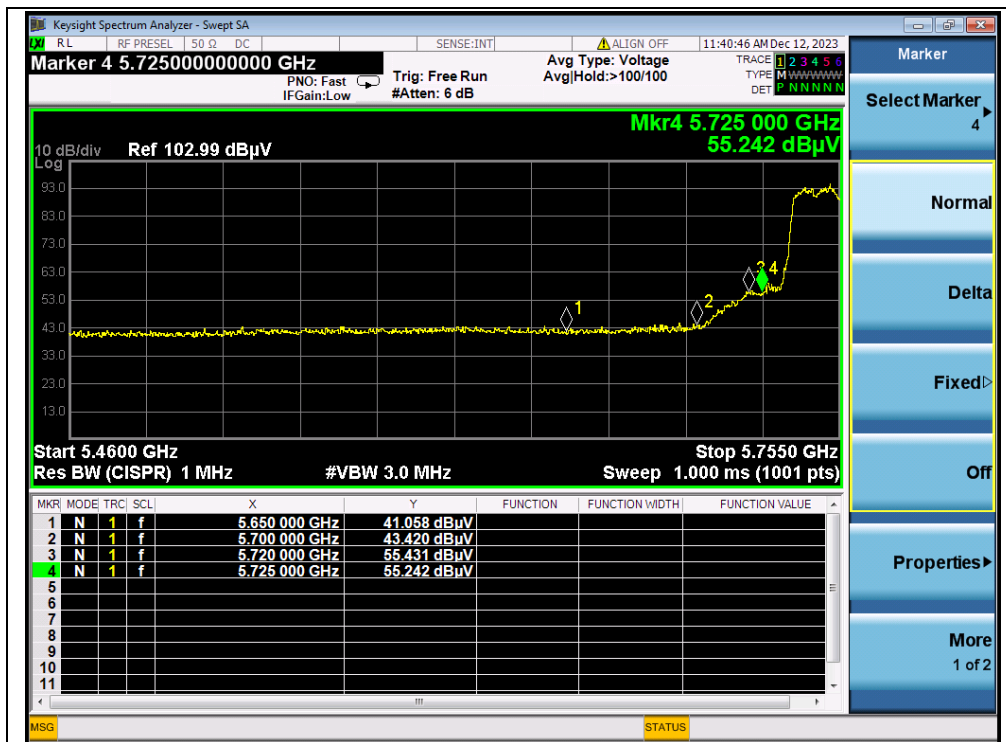
(AVERAGE, Channel 38, 802.11n (HT40))



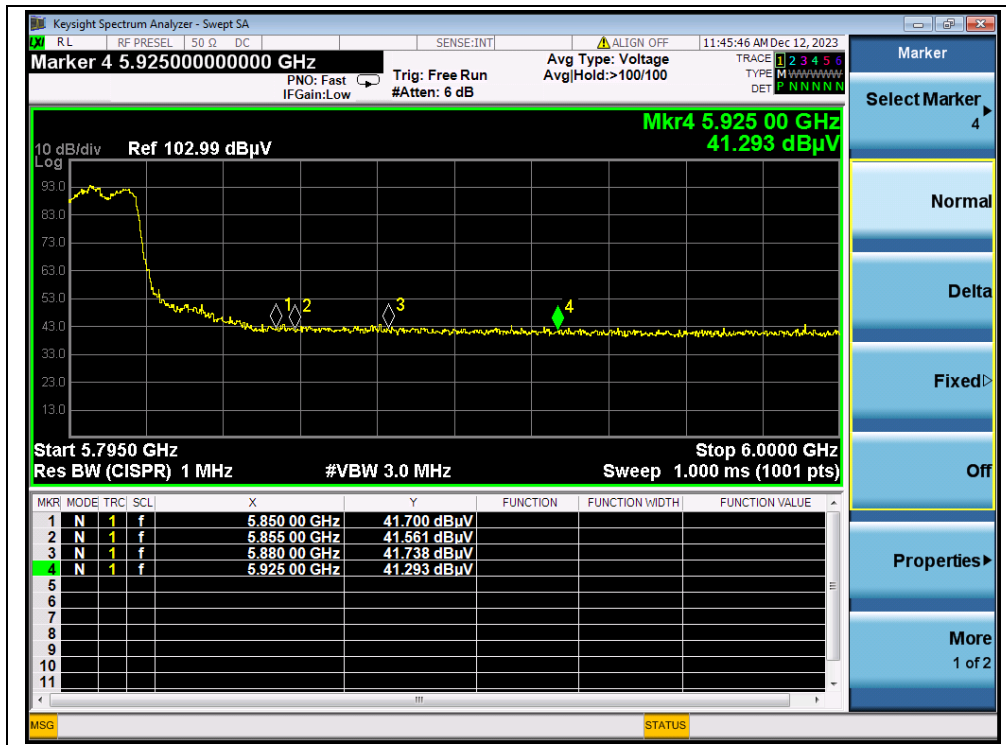
(PEAK, Channel 46, 802.11n (HT40))



(AVERAGE, Channel 46, 802.11n (HT40))



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

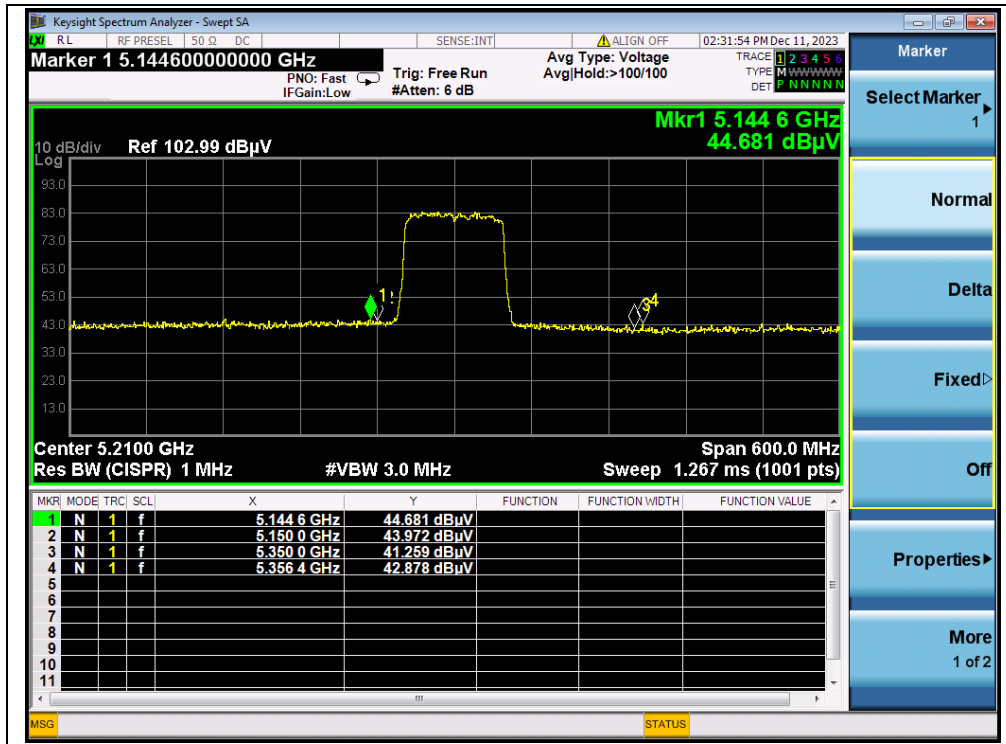


(PEAK, Channel 159, 802.11n (HT40))

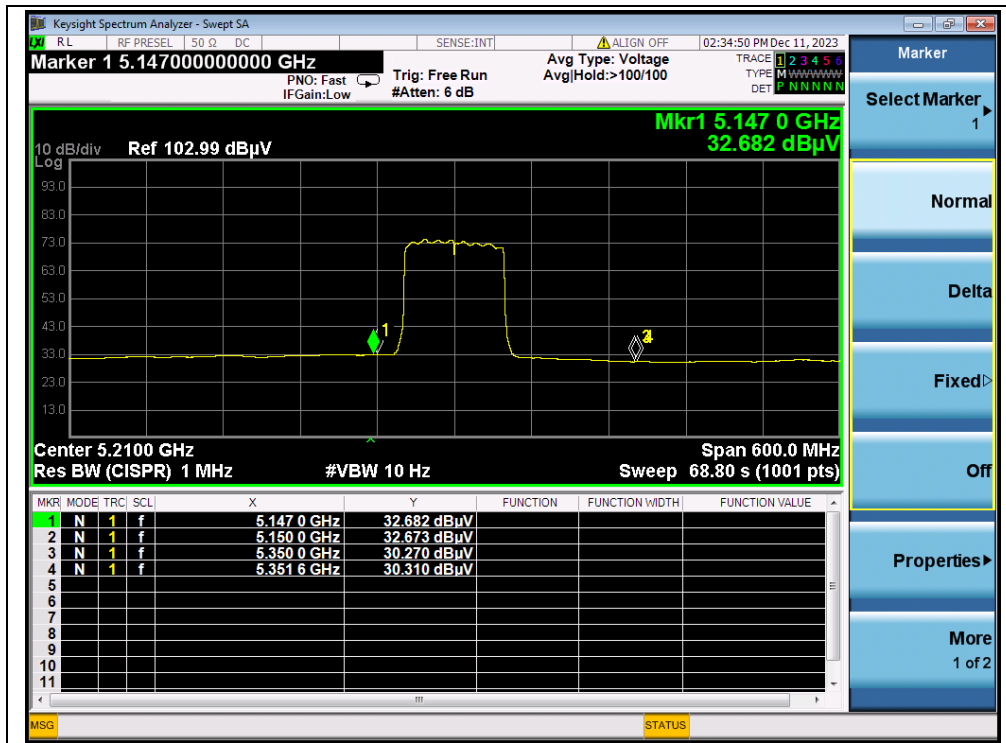


802.11ac (VHT80) Mode

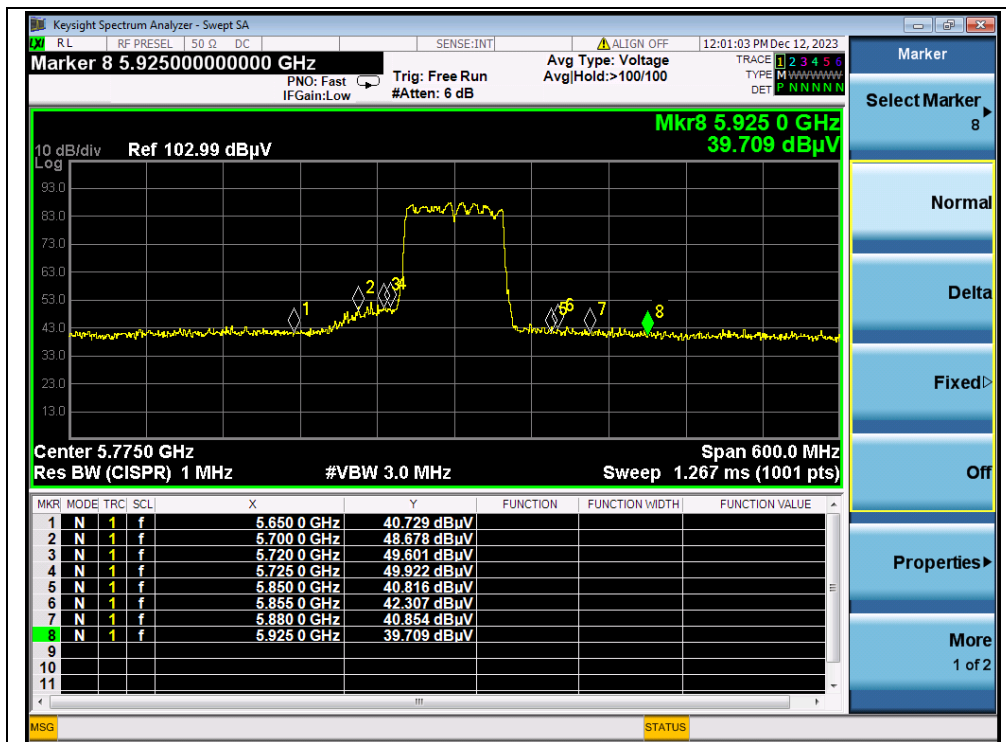
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T	A_{Factor}	Max. Emission	Limit	Verdict
		PK/ AV	U_R (dB μ V)	(dB)	(dB@3m)	E (dB μ V/m)	(dB μ V/m)	
42	5144.60	PK	44.68	-19.54	32.20	57.34	74	PASS
42	5147.00	AV	32.68	-19.54	32.20	45.34	54	PASS
42	5356.40	PK	42.88	-19.54	32.20	55.54	74	PASS
42	5351.60	AV	30.31	-19.54	32.20	42.97	54	PASS
155	5725.00	PK	49.92	-19.01	32.20	63.11	122.23	PASS
155	5855.00	PK	42.31	-19.01	32.20	55.50	110.83	PASS



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



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

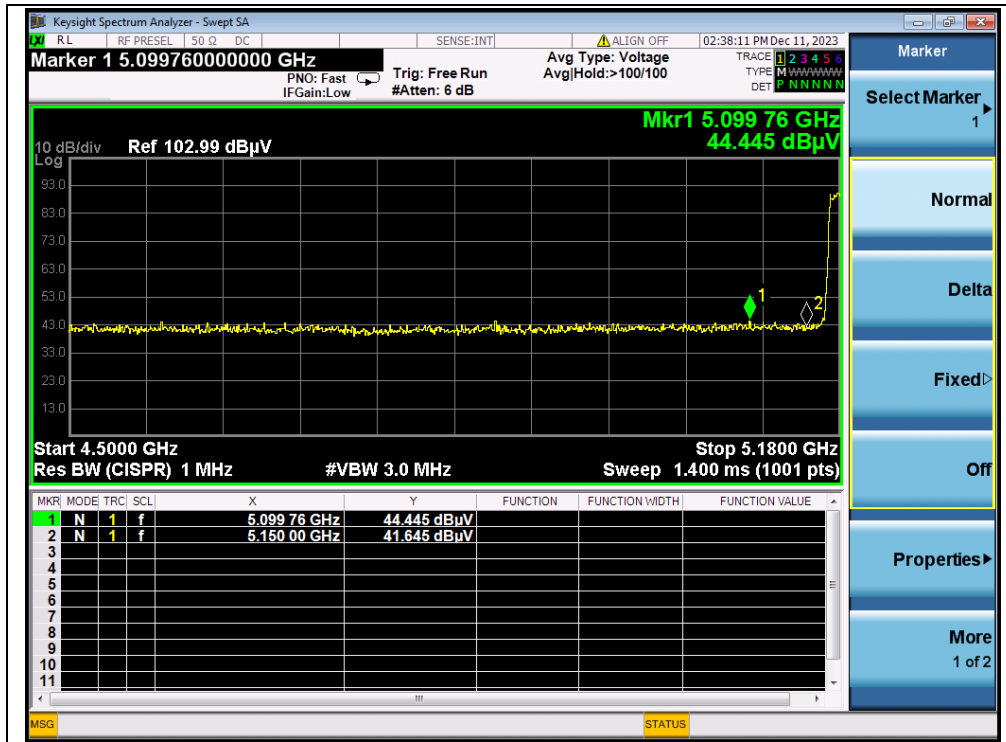


(PEAK, Channel 155, 802.11ac (VHT80))

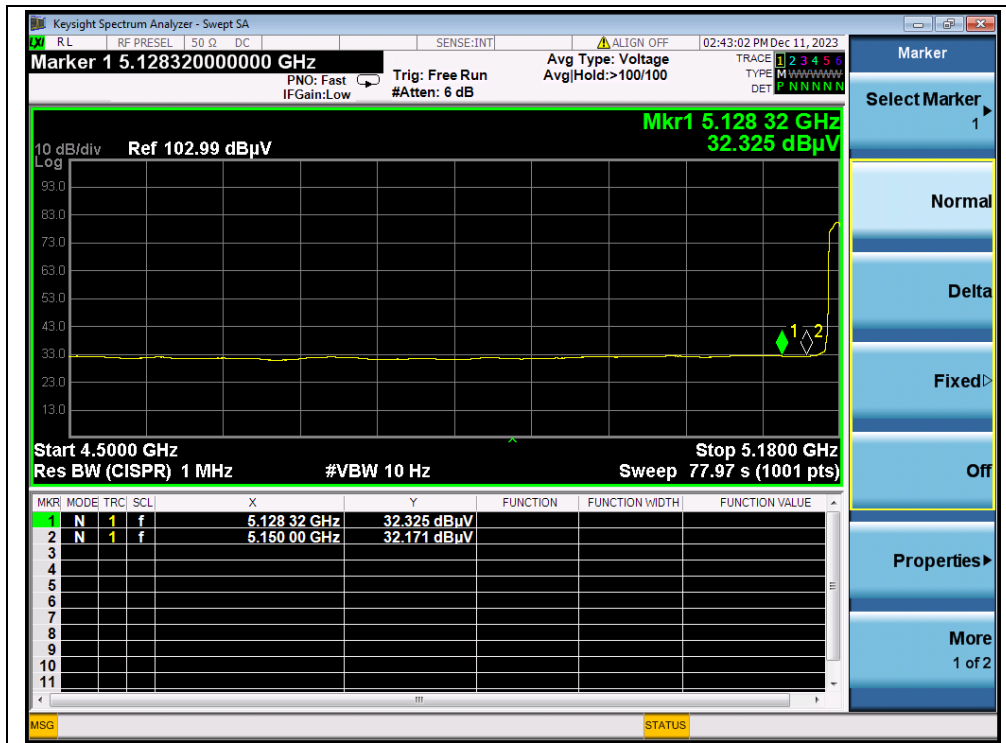


802.11ax (HEW20) Mode

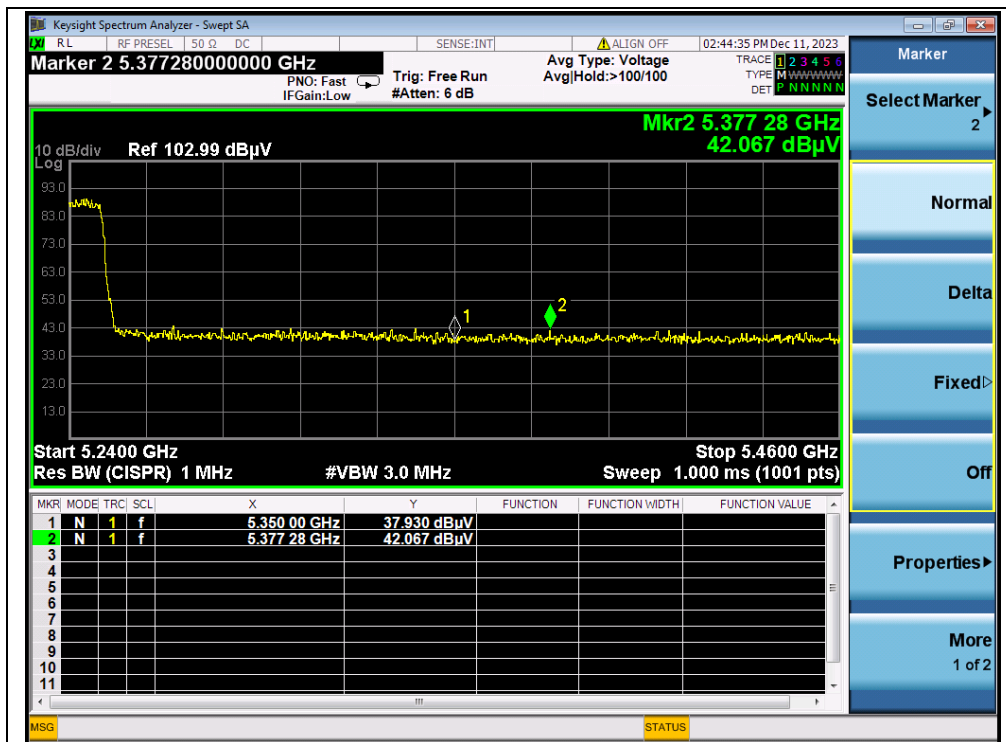
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T	A_{Factor}	Max. Emission	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)	(dB)	(dB@3m)	E (dB μ V/m)		
36	5099.76	PK	44.45	-19.54	32.20	57.11	74	PASS
36	5128.32	AV	32.33	-19.54	32.20	44.99	54	PASS
48	5377.28	PK	42.07	-19.54	32.20	54.73	74	PASS
48	5350.66	AV	30.43	-19.54	32.20	43.09	54	PASS
149	5725.00	PK	48.81	-19.01	32.20	62.00	122.23	PASS
165	5880.00	PK	41.64	-19.01	32.20	54.83	101.53	PASS



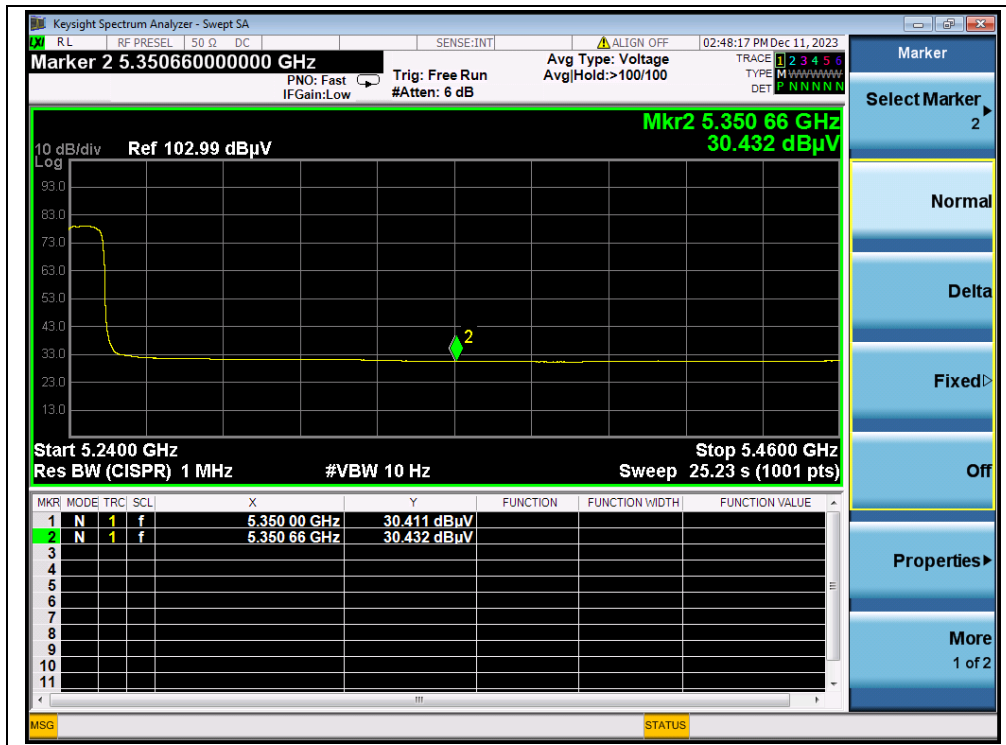
(PEAK, Channel 36, 802.11ax (HEW20))



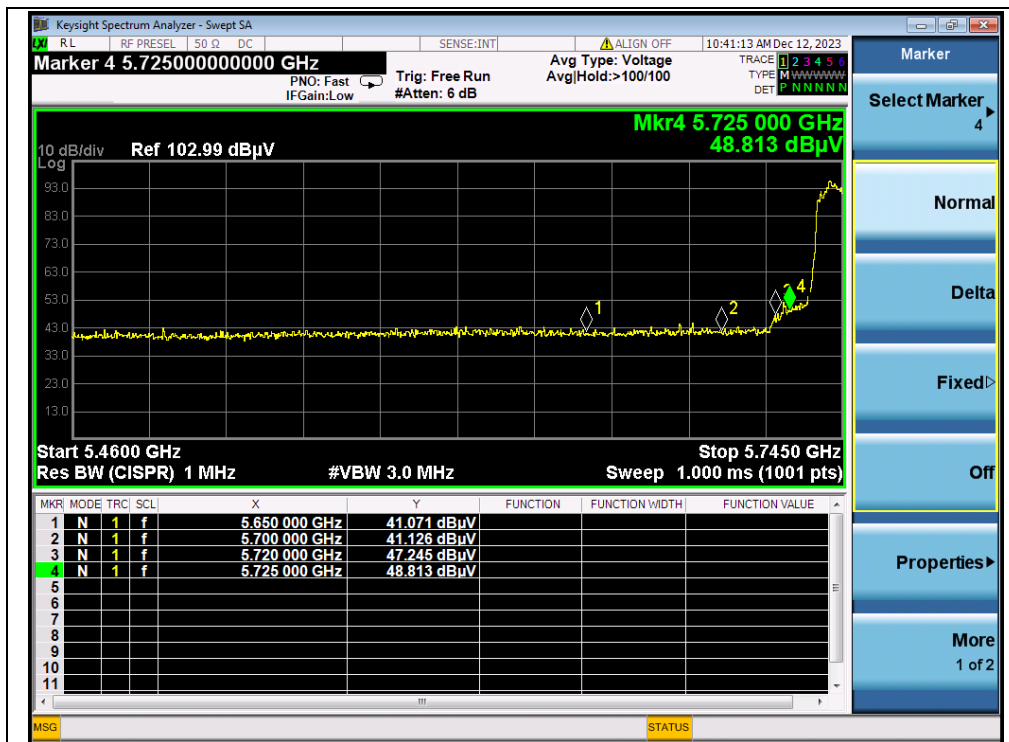
(AVERAGE, Channel 36, 802.11ax (HEW20))



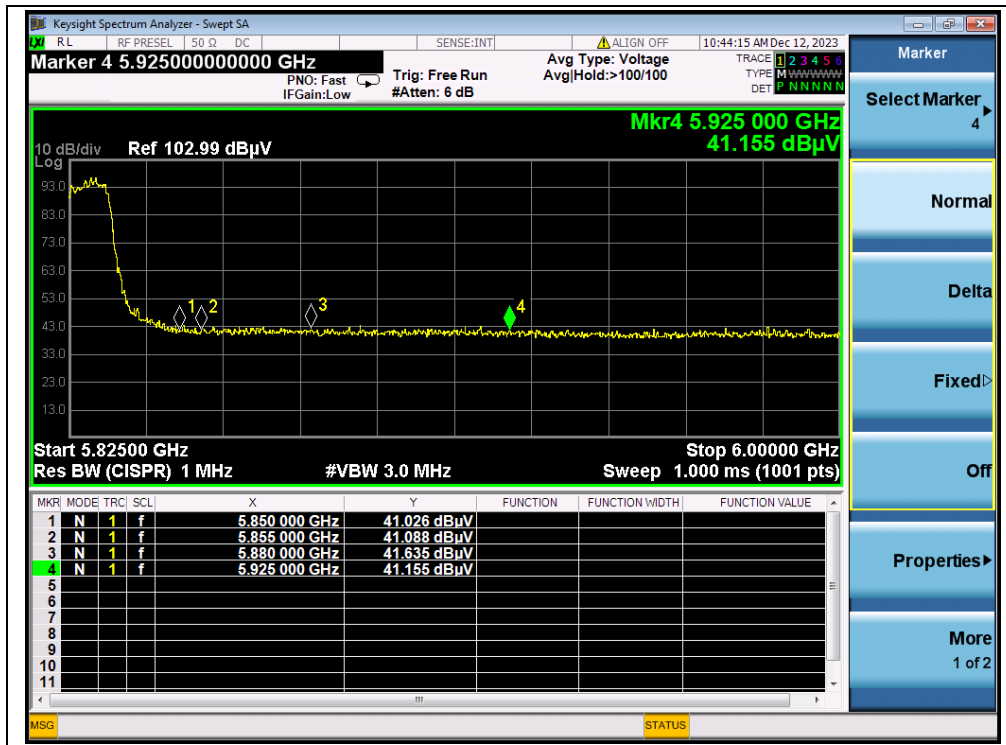
(PEAK, Channel 48, 802.11ax (HEW20))



(AVERAGE, Channel 48, 802.11ax (HEW20))



(PEAK, Channel 149, 802.11ax (HEW20))

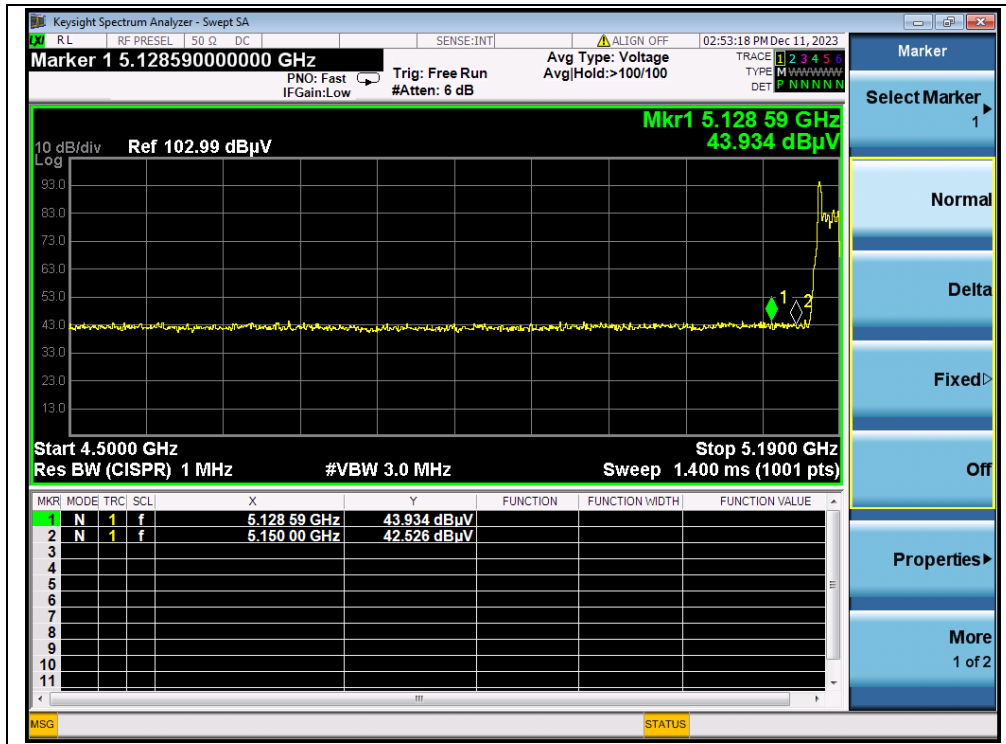


(PEAK, Channel 165, 802.11ax (HEW20))

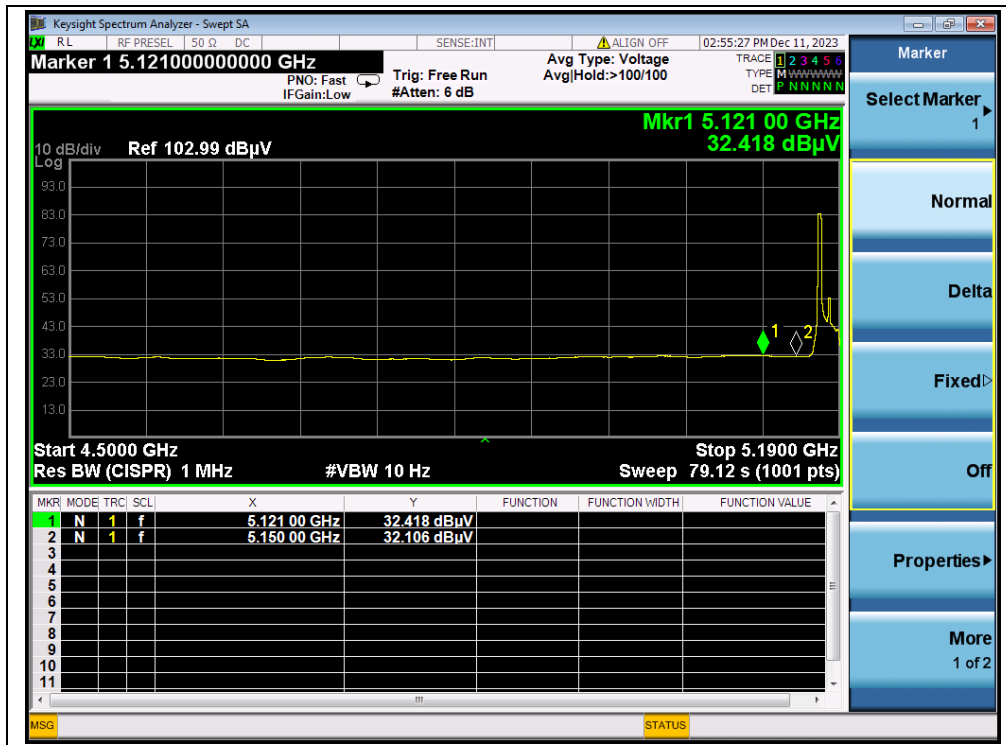


802.11ax (HEW20) RU26 Mode

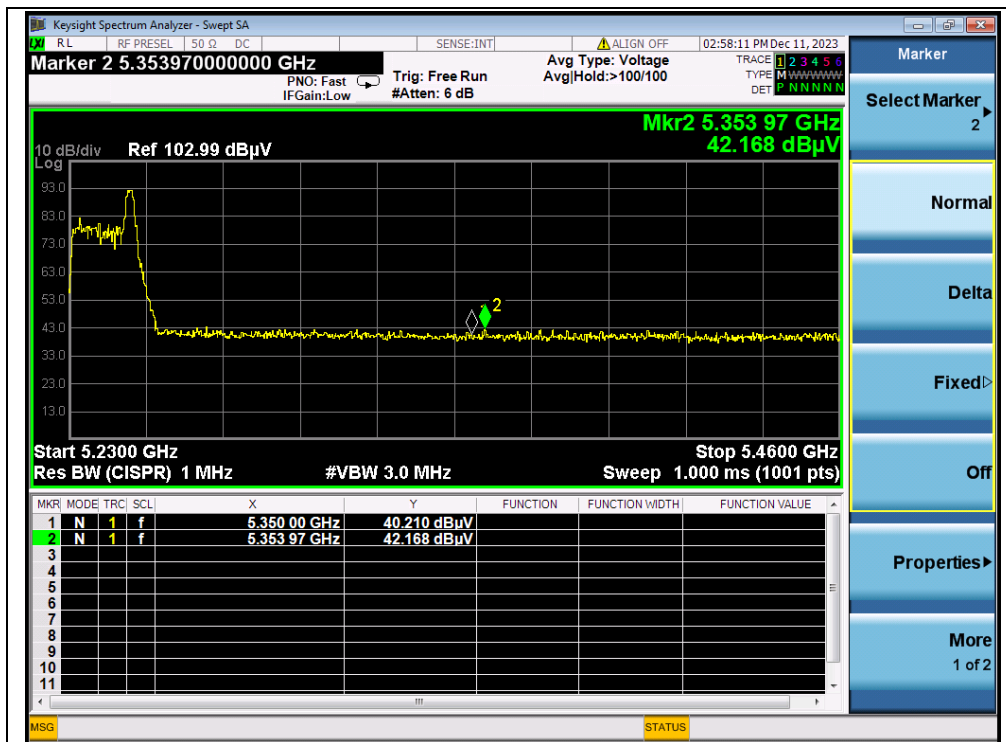
Channel	Frequency (MHz)	Detector	Receiver Reading	A _T	A _{Factor}	Max. Emission E	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)	(dB)	(dB@3m)	(dBμV/m)		
36	5128.59	PK	43.93	-19.54	32.20	56.59	74	PASS
36	5121.00	AV	32.42	-19.54	32.20	45.08	54	PASS
48	5353.97	PK	42.17	-19.54	32.20	54.83	74	PASS
48	5410.32	AV	30.65	-19.54	32.20	43.31	54	PASS
149	5725.00	PK	49.84	-19.01	32.20	63.03	122.23	PASS
165	5855.00	PK	54.33	-19.01	32.20	67.52	110.83	PASS



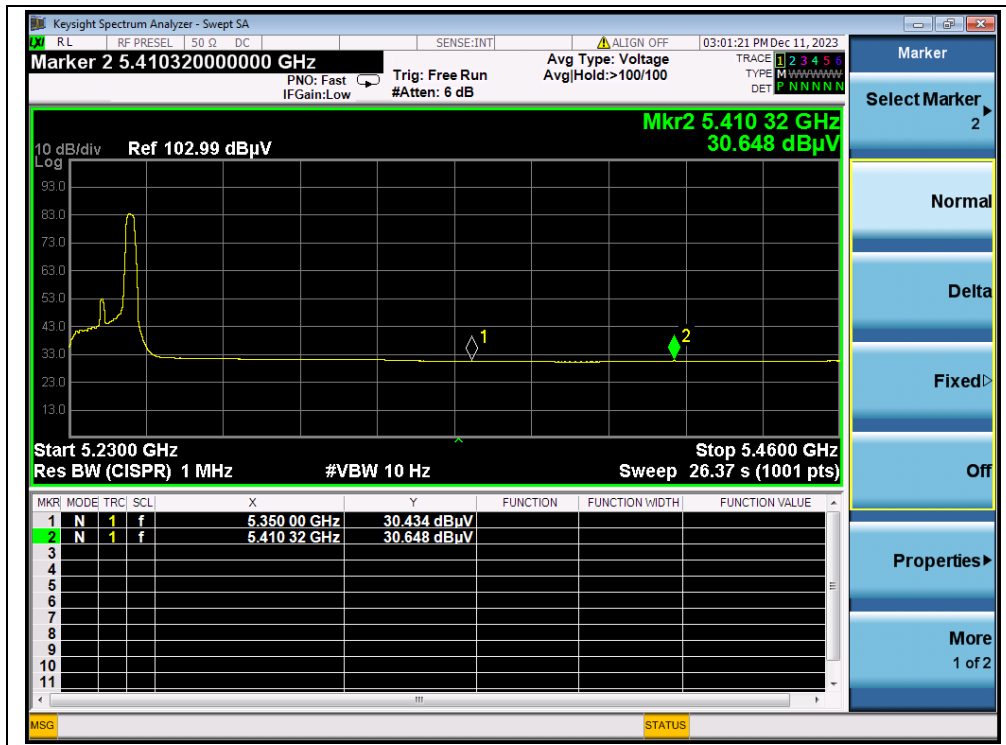
(PEAK, Channel 36, 802.11ax (HEW20) RU26)



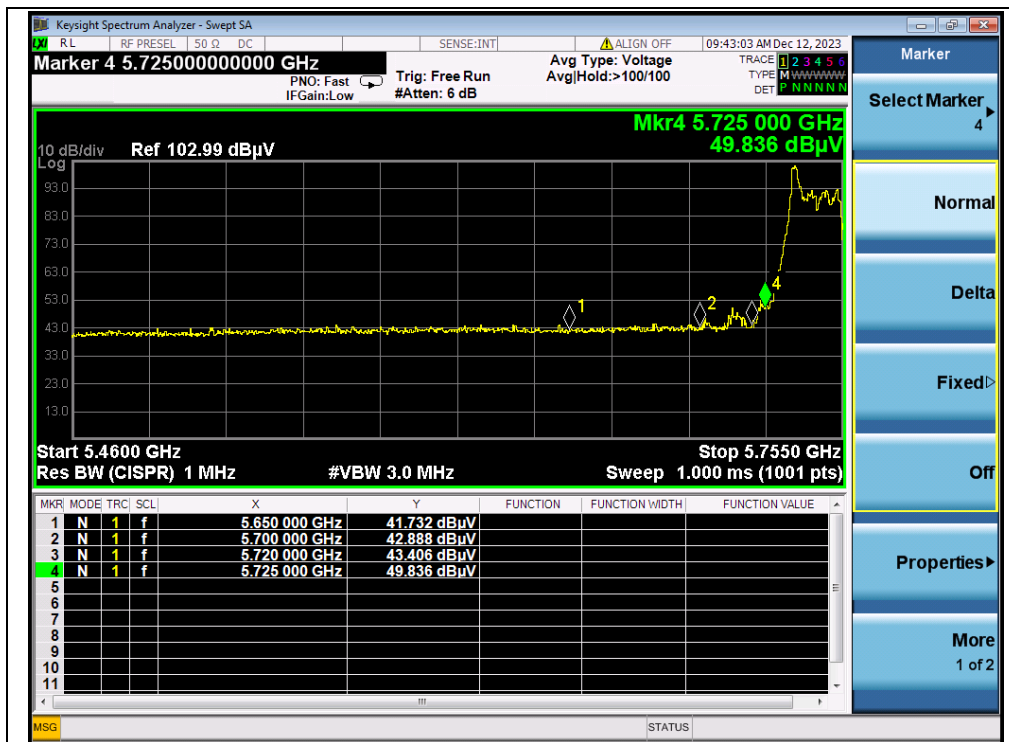
(AVERAGE, Channel 36, 802.11ax (HEW20) RU26)



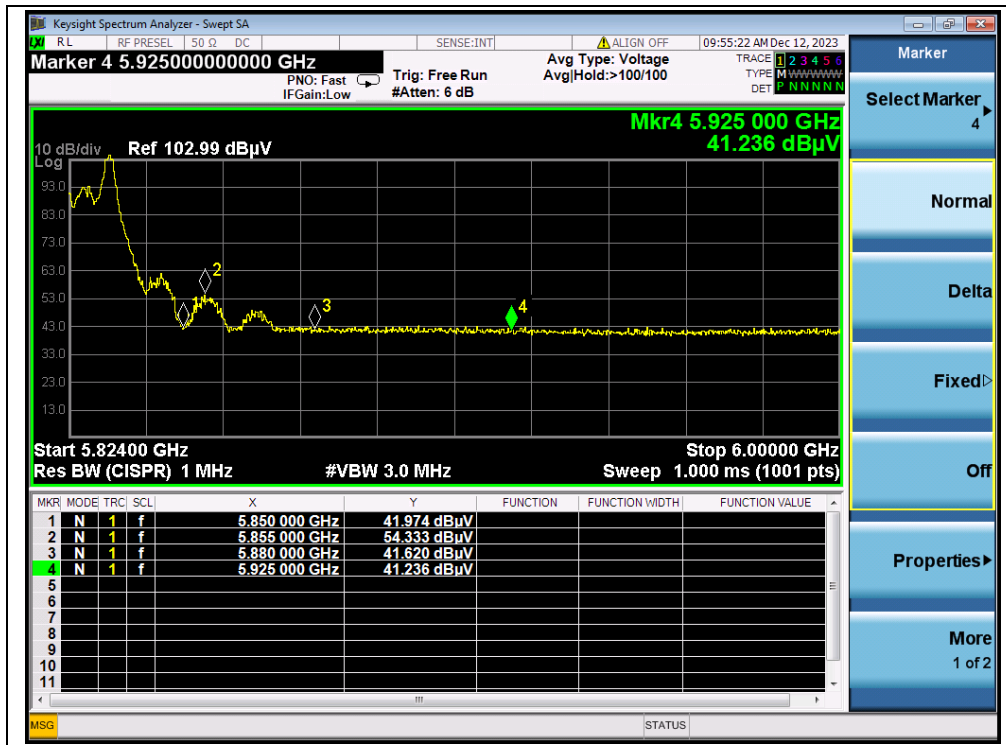
(PEAK, Channel 48, 802.11ax (HEW20) RU26)



(AVERAGE, Channel 48, 802.11ax (HEW20) RU26)



(PEAK, Channel 149, 802.11ax (HEW20) RU26)

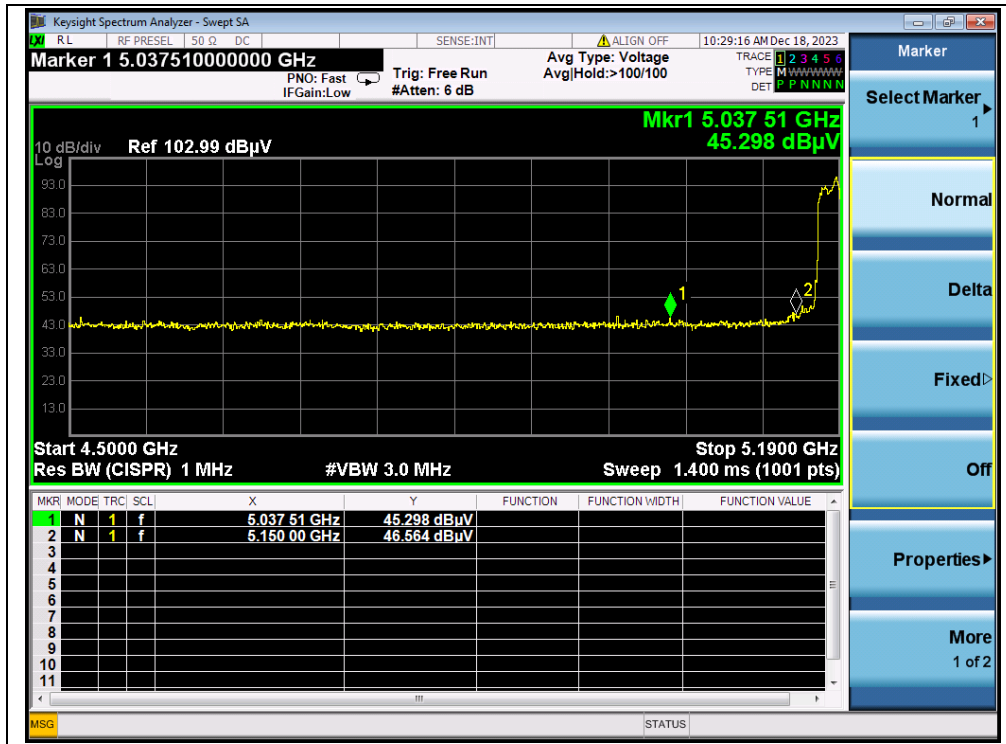


(PEAK, Channel 165, 802.11ax (HEW20) RU26)

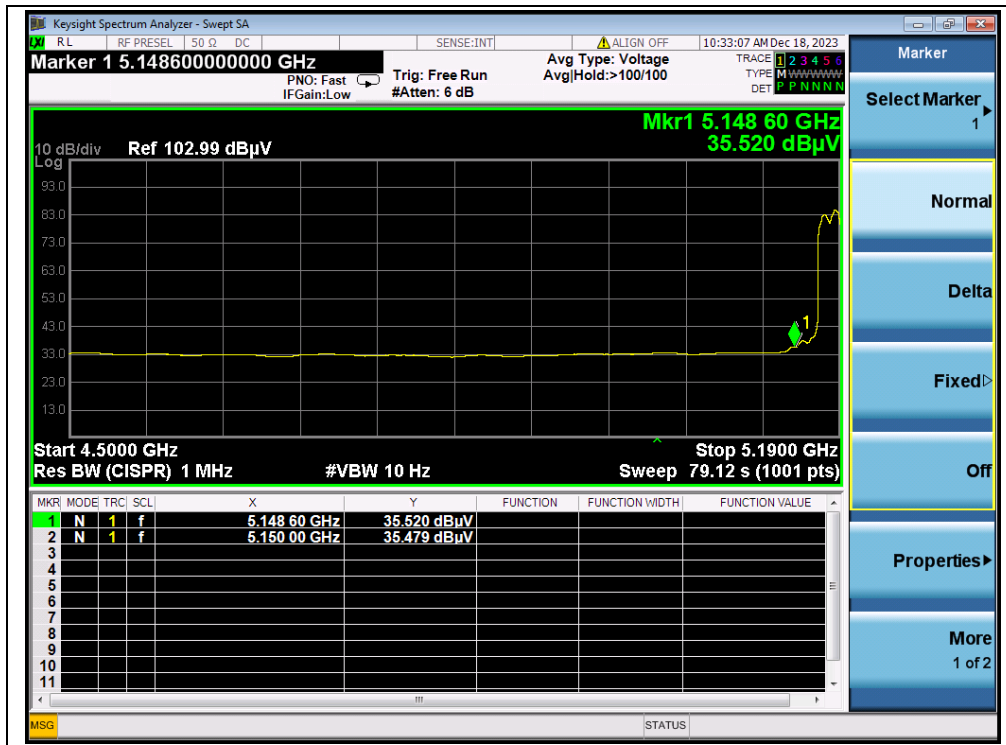


802.11ax (HEW40) Mode

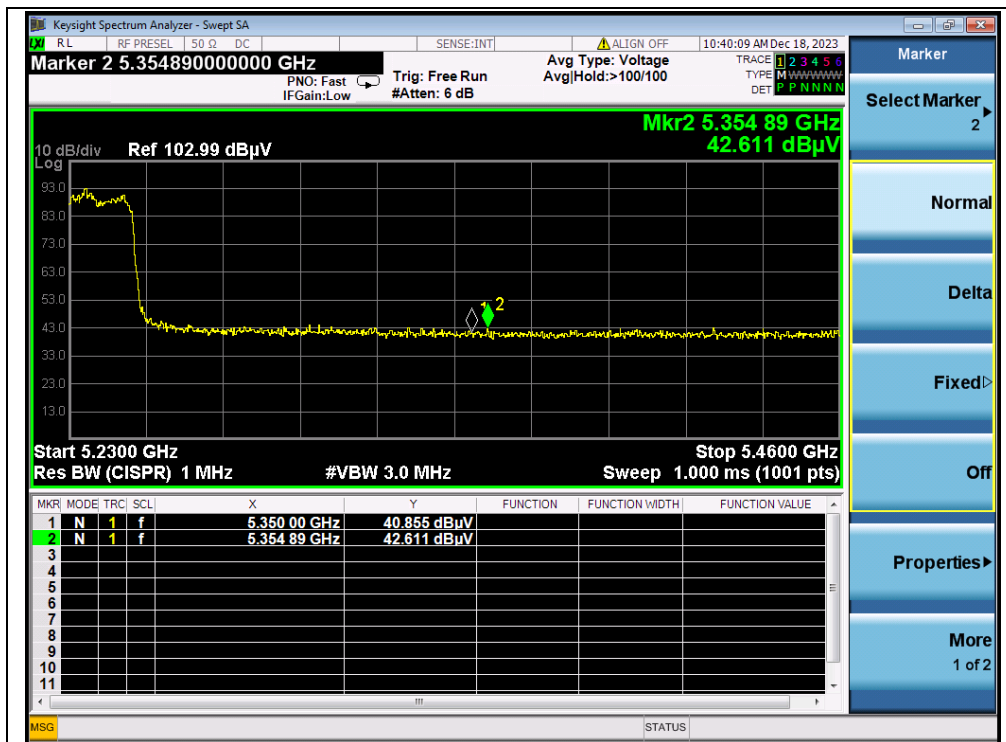
Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBμV)	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
38	5150.00	PK	46.56	-19.54	32.20	59.22	74	PASS
38	5148.60	AV	35.52	-19.54	32.20	48.18	54	PASS
46	5354.89	PK	42.61	-19.54	32.20	55.27	74	PASS
46	5350.98	AV	31.41	-19.54	32.20	44.07	54	PASS
151	5725.00	PK	50.59	-19.01	32.20	63.78	122.23	PASS
159	5855.00	PK	42.88	-19.01	32.20	56.07	110.83	PASS



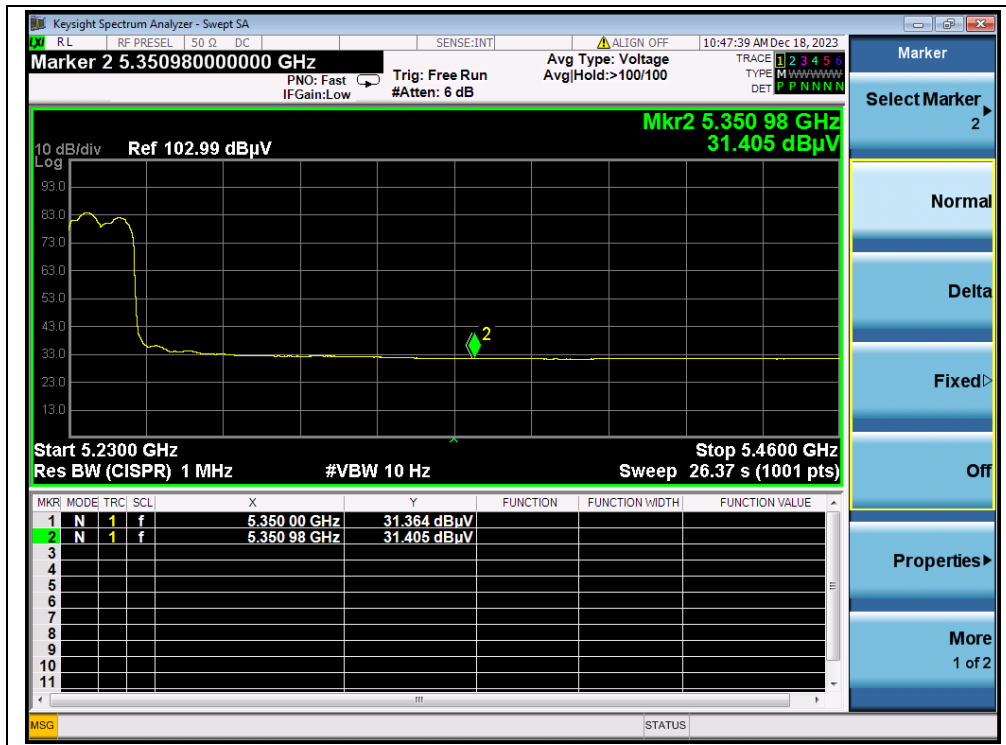
(PEAK, Channel 38, 802.11ax (HEW40))



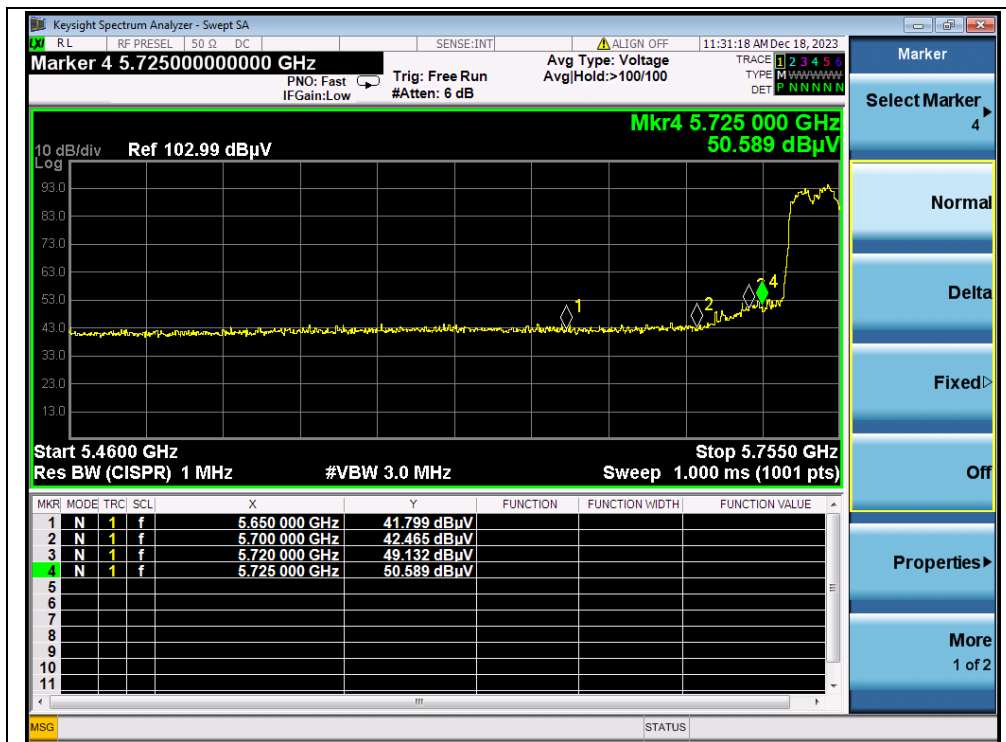
(AVERAGE, Channel 38, 802.11ax (HEW40))



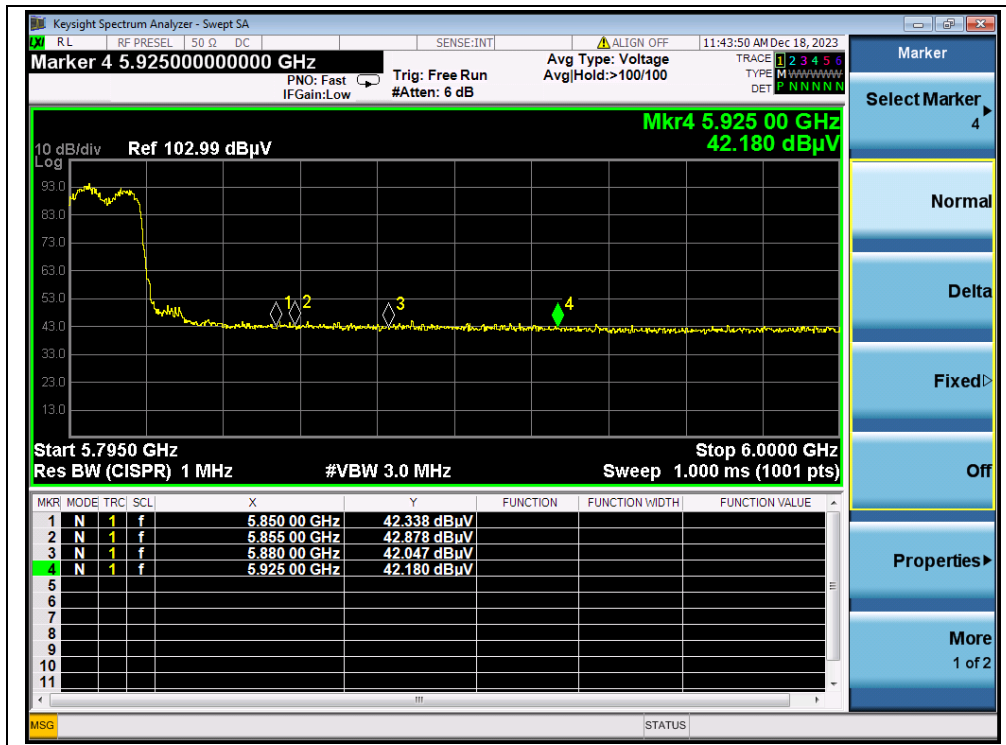
(PEAK, Channel 46, 802.11ax (HEW40))



(AVERAGE, Channel 46, 802.11ax (HEW40))



(PEAK, Channel 151, 802.11ax (HEW40))

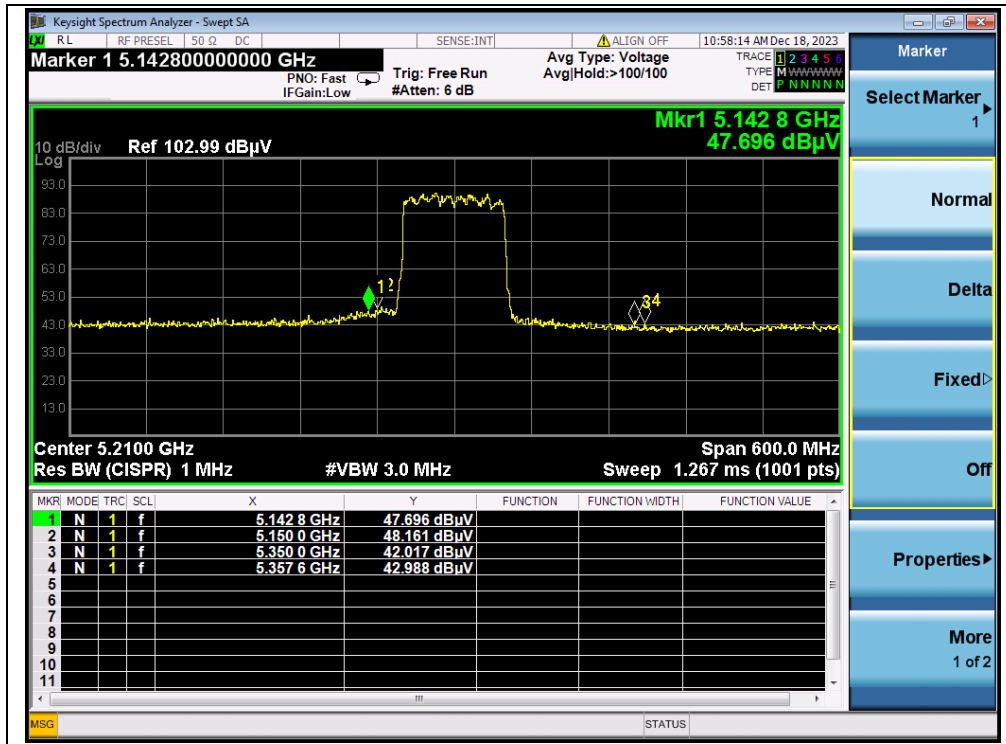


(PEAK, Channel 159, 802.11ax (HEW40))

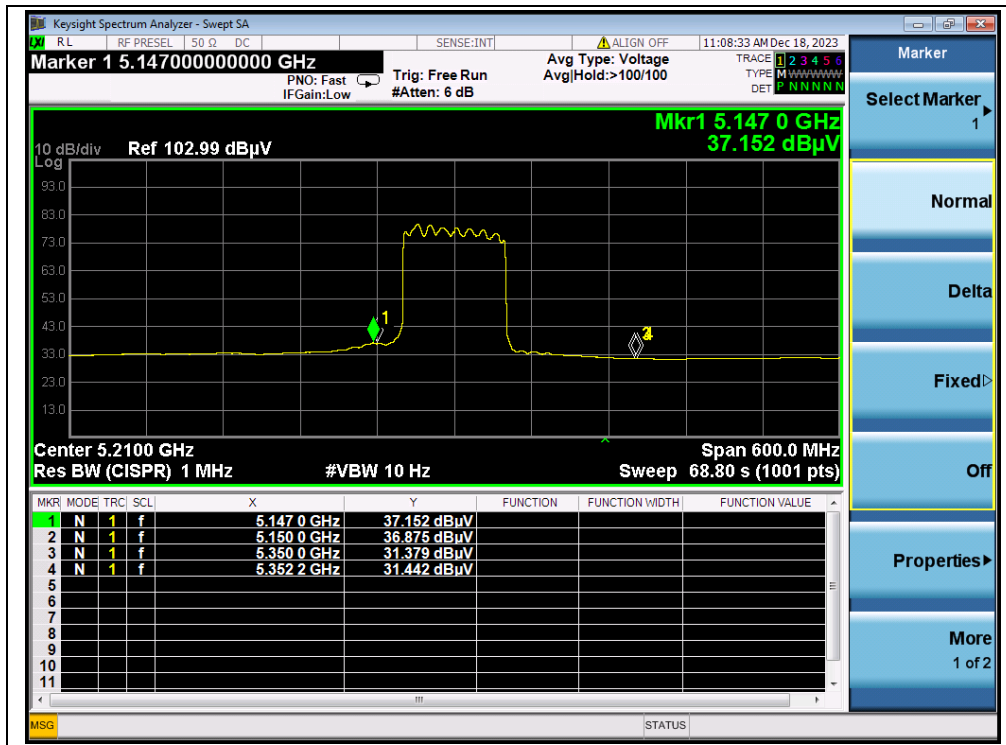


802.11ax (HEW80) Mode

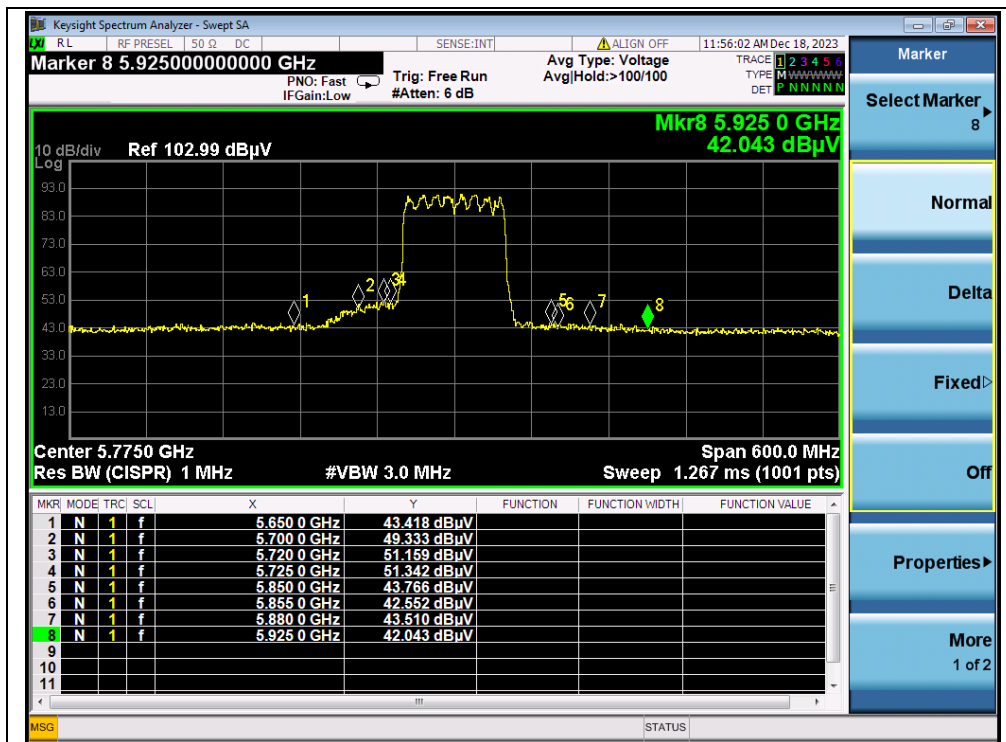
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T	A_{Factor}	Max. Emission	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)	(dB)	(dB@3m)	E (dB μ V/m)		
42	5150.00	PK	48.16	-19.54	32.20	60.82	74	PASS
42	5147.00	AV	37.15	-19.54	32.20	49.81	54	PASS
42	5357.60	PK	42.99	-19.54	32.20	55.65	74	PASS
42	5350.00	AV	31.38	-19.54	32.20	44.04	54	PASS
155	5725.00	PK	51.34	-19.01	32.20	64.53	122.23	PASS
155	5850.00	PK	43.77	-19.01	32.20	56.96	122.23	PASS



(PEAK, Channel 42, 802.11ax (HEW80))



(AVERAGE, Channel 42, 802.11ax (HEW80))



(PEAK, Channel 155, 802.11ax (HEW80))



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:

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

A_T: Total correction Factor except Antenna

U_R: Receiver Reading

G_{preamp}: Preamplifier Gain

A_{Factor}: Antenna Factor at 3m

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

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

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

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

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

Field strength of fundamental:

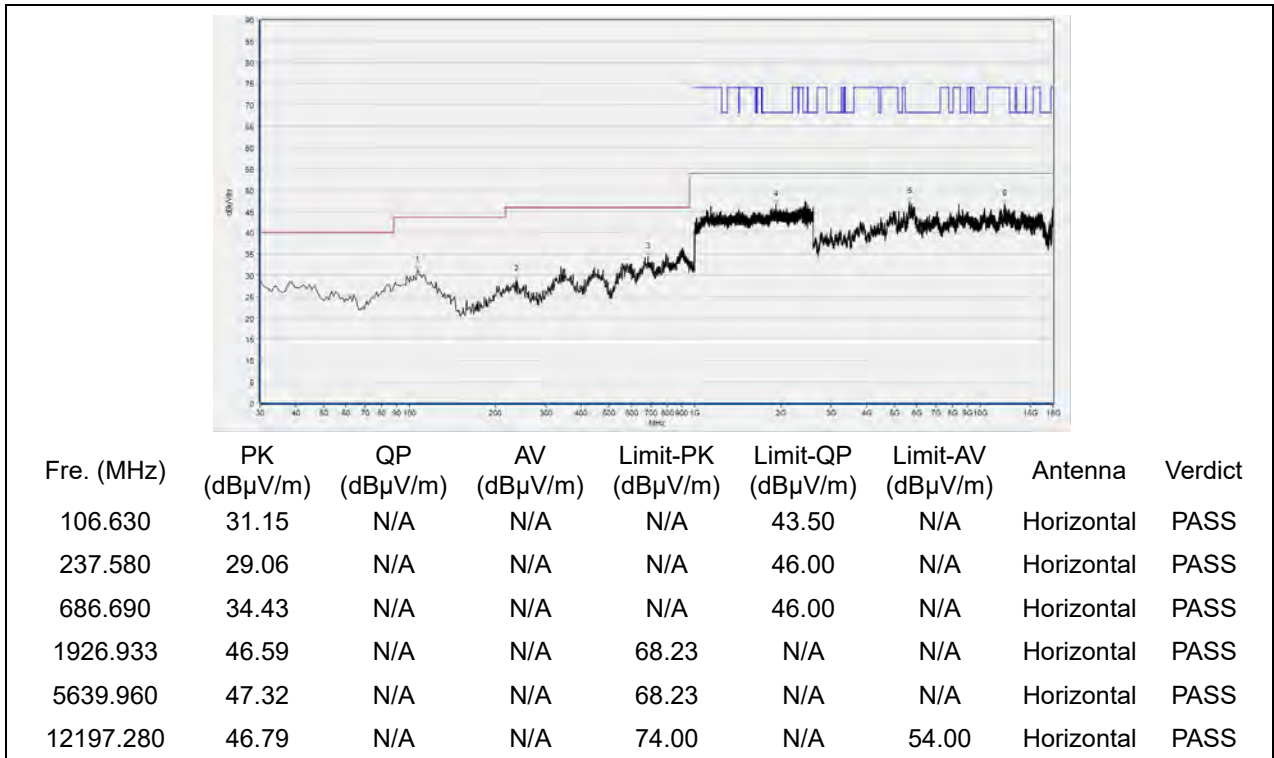
Frequency (MHz)	Reading_Peak (dBμV/m)	Antenna Factor (dB)	Path Loss (dB)	Final_Peak (dBμV/m)	Antenna Polarity
5171.10	99.80	32.20	-19.54	112.46	Horizontal

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

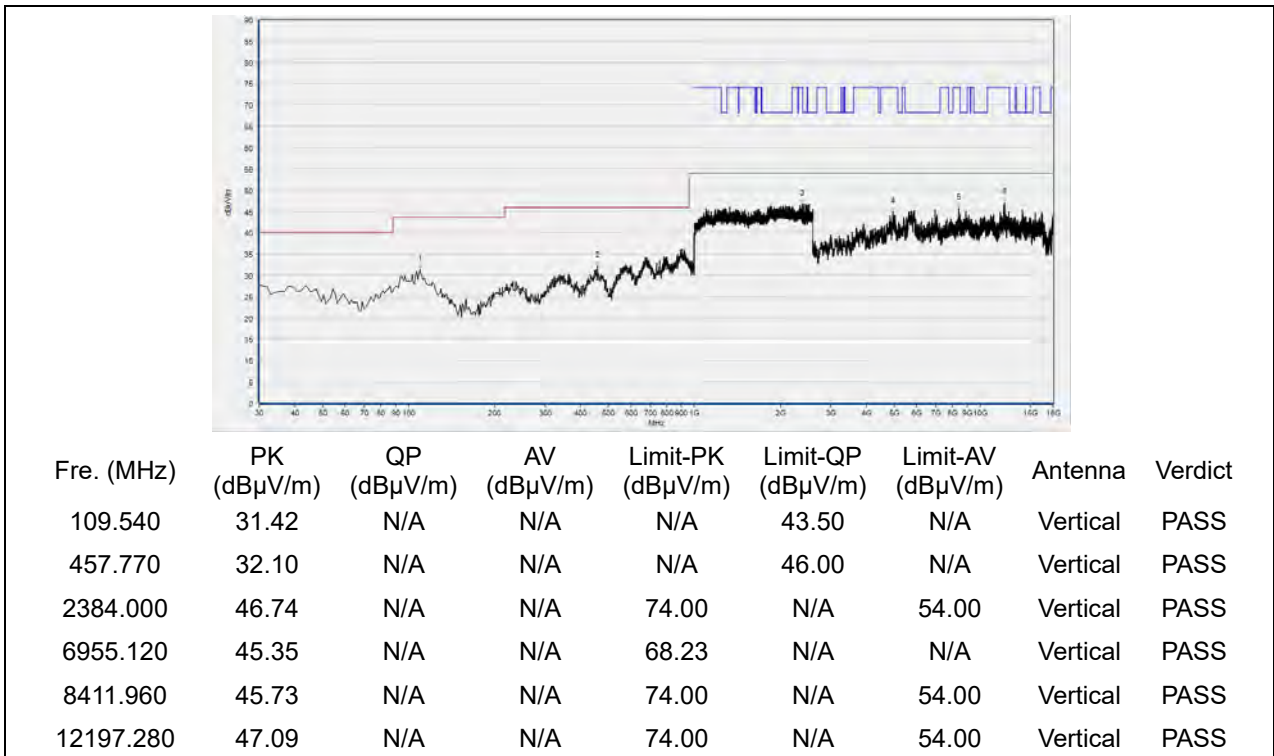


802.11a Mode

Plot for Channel 36

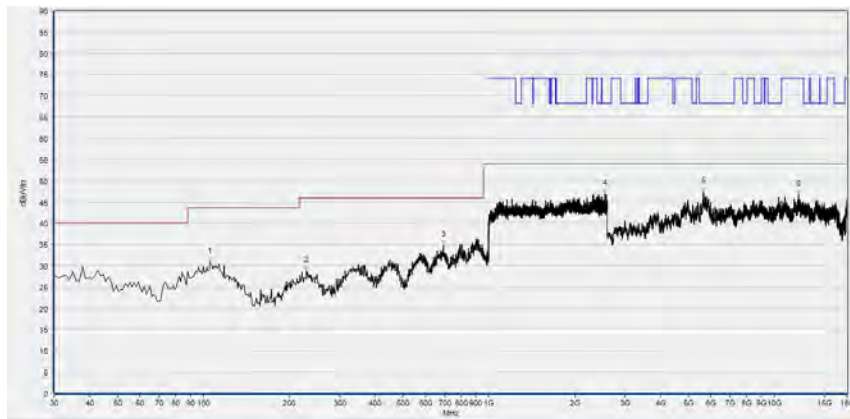


(Antenna Horizontal, 30MHz to 18GHz)



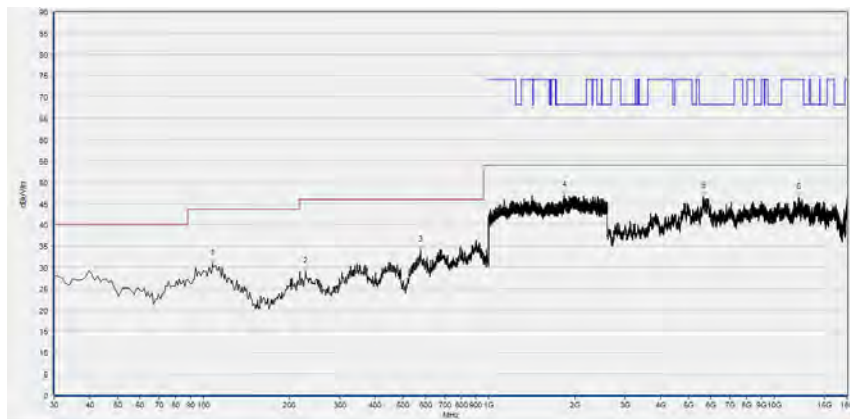
(Antenna Vertical, 30MHz to 18GHz)

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
105.660	30.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
229.820	28.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
694.450	34.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2550.400	47.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5661.520	47.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12191.120	46.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

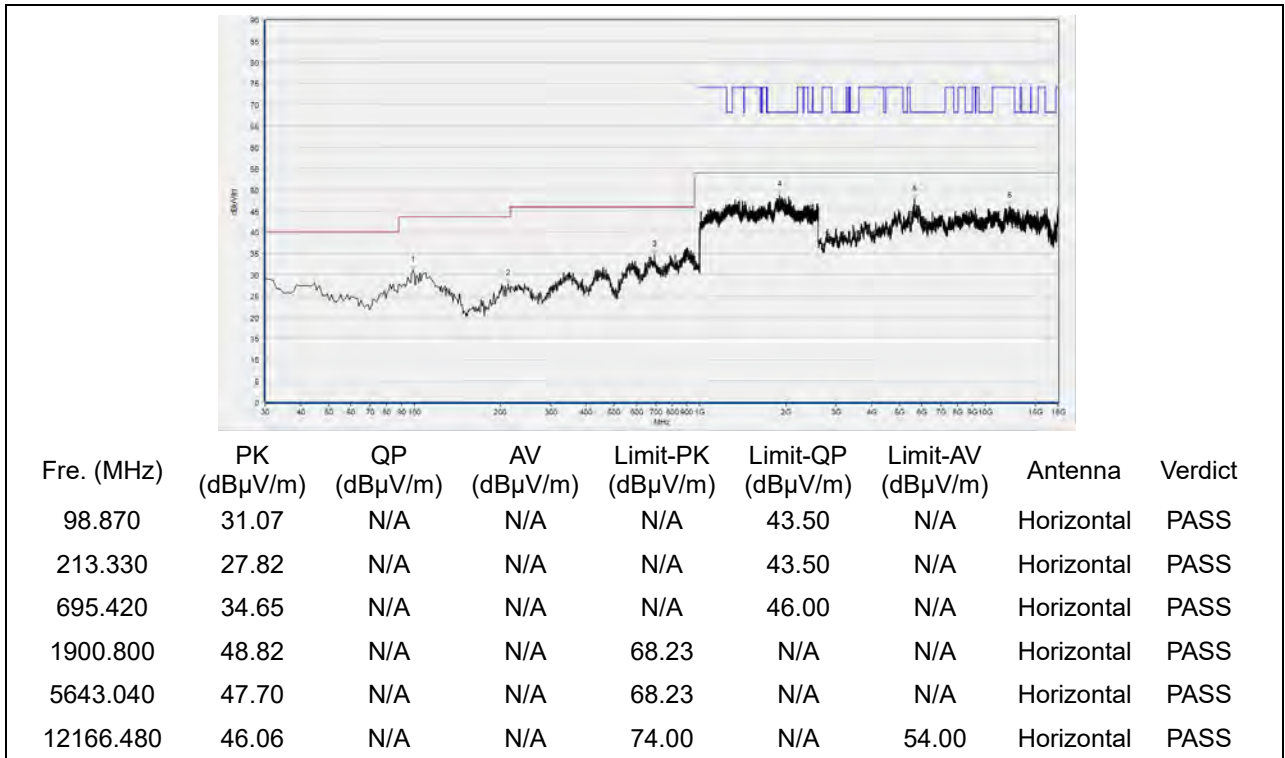
(Antenna Horizontal, 30MHz to 18GHz)



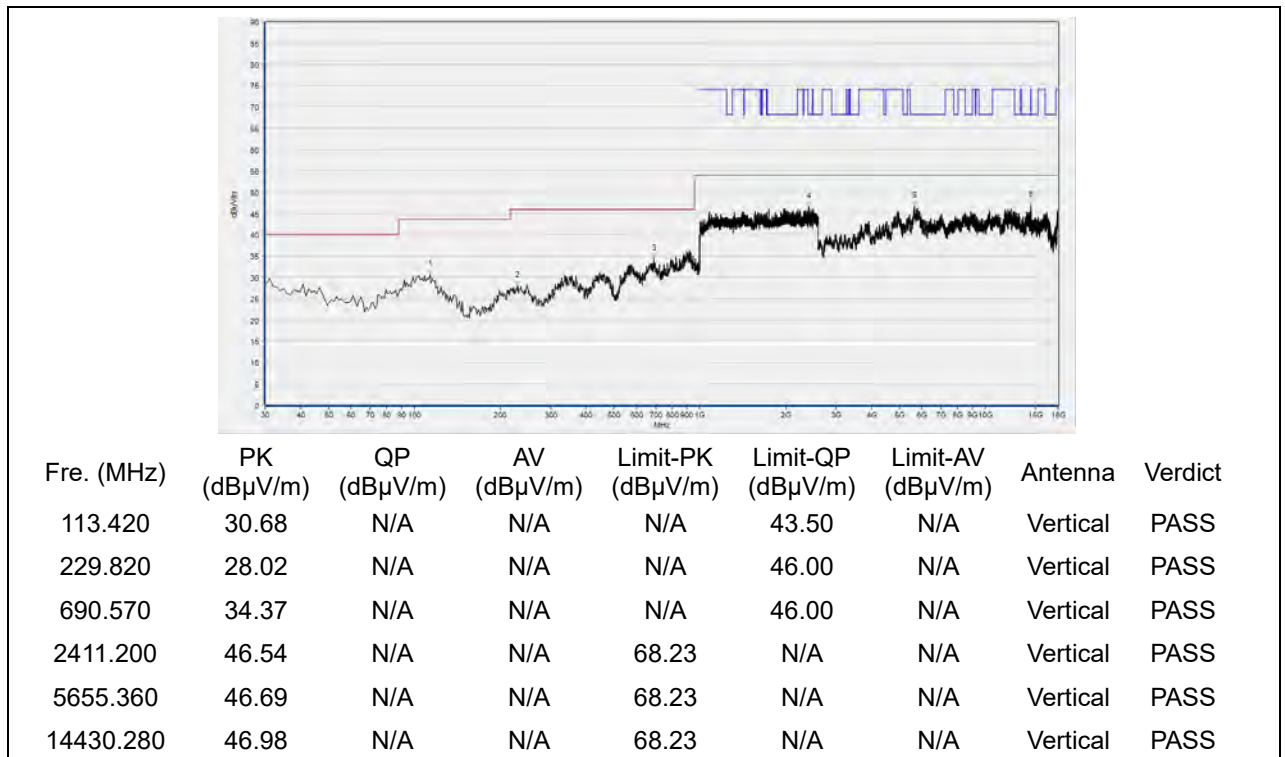
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	30.85	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
227.880	29.07	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
577.080	34.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1835.733	46.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5646.120	46.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12148.000	46.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48

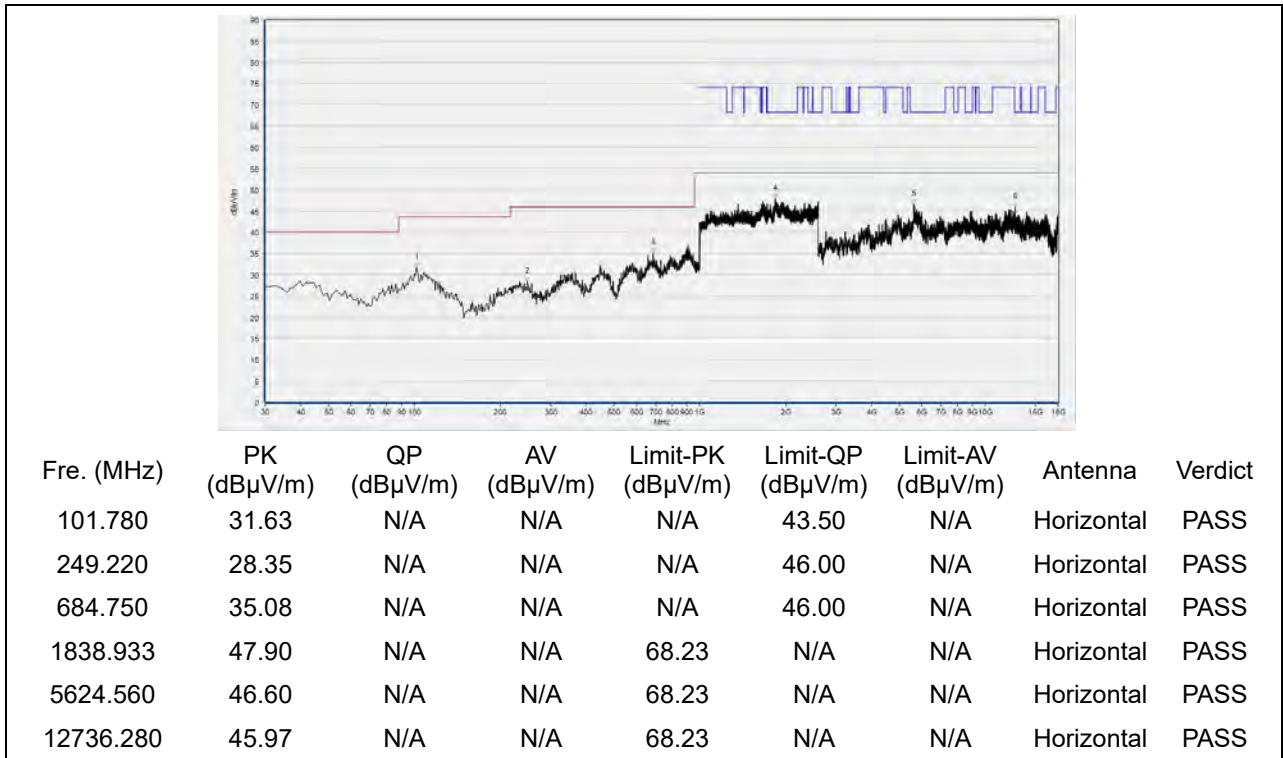


(Antenna Horizontal, 30MHz to 18GHz)

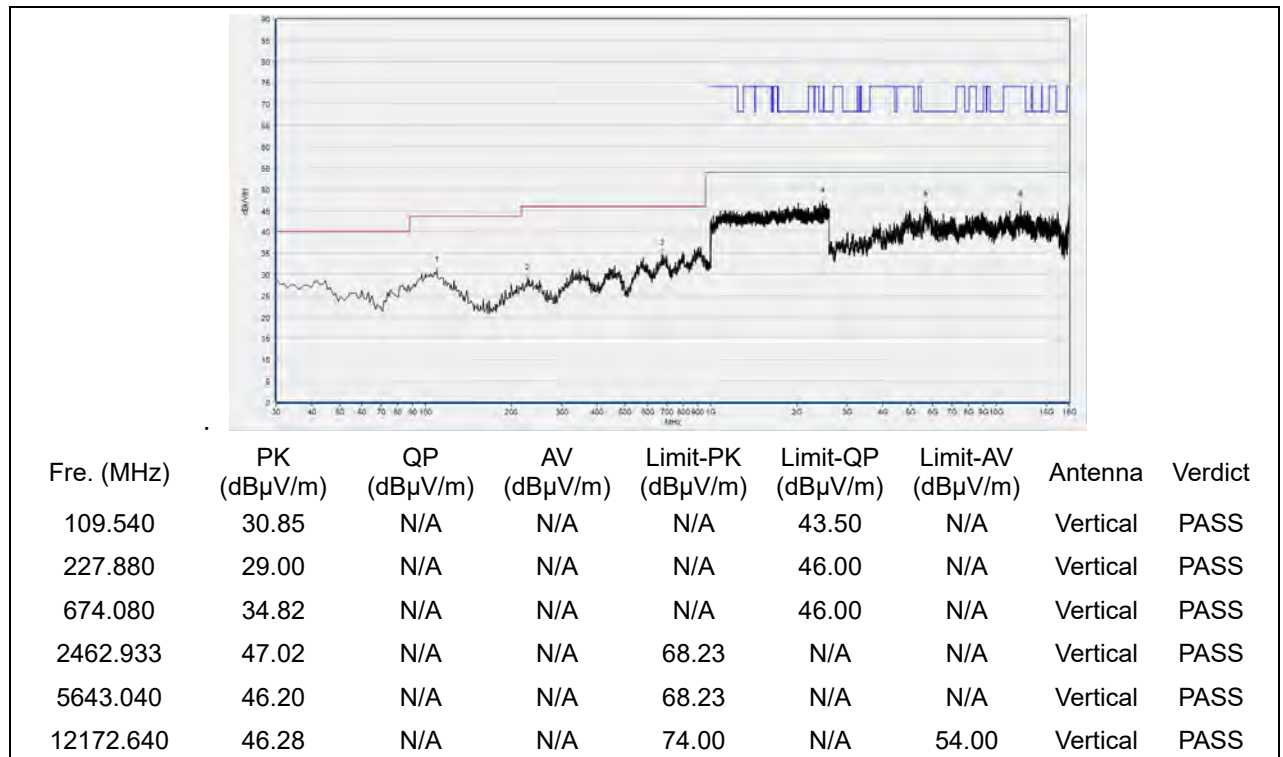


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149

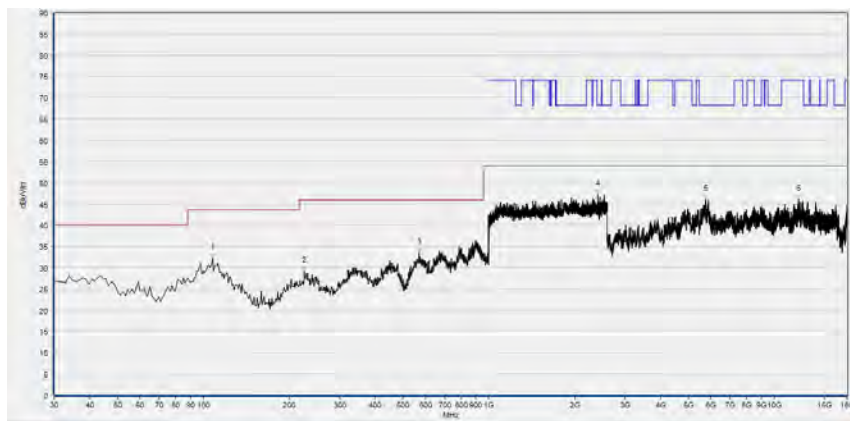


(Antenna Horizontal, 30MHz to 18GHz)



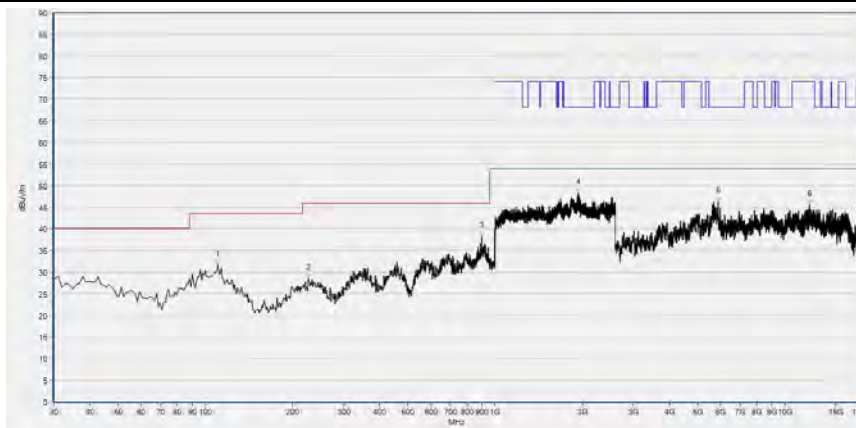
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157



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	32.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
225.940	29.20	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
569.320	33.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2414.400	47.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5766.240	46.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12157.240	46.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

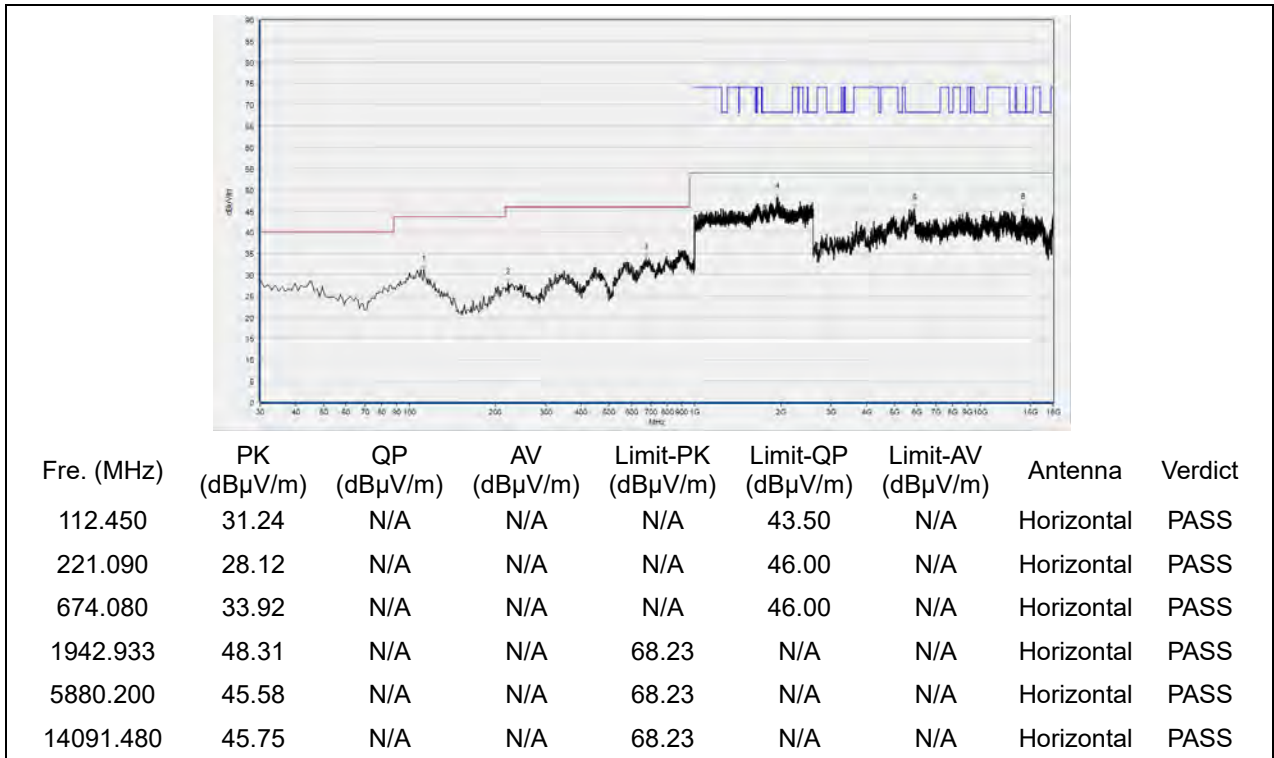
(Antenna Horizontal, 30MHz to 18GHz)



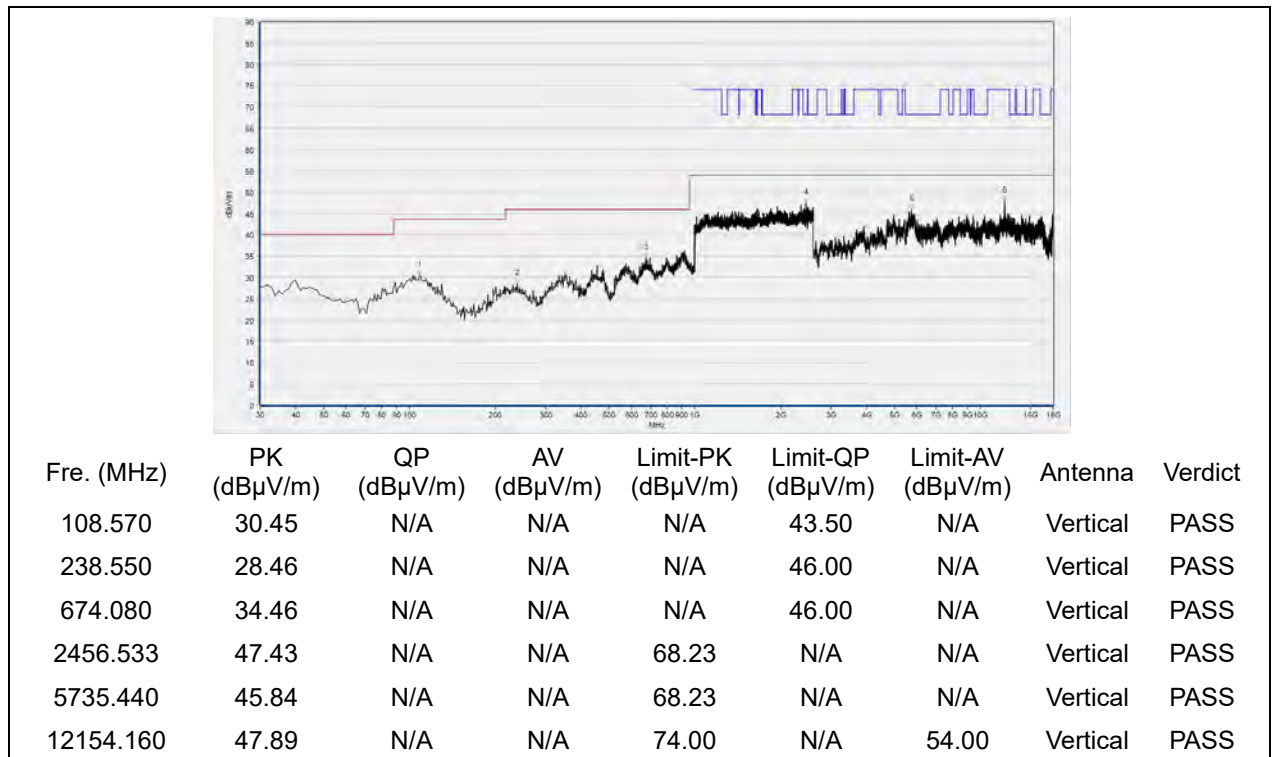
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	31.75	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
226.910	28.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
898.150	38.22	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1932.267	48.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5883.280	46.33	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12188.040	45.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



(Antenna Horizontal, 30MHz to 18GHz)

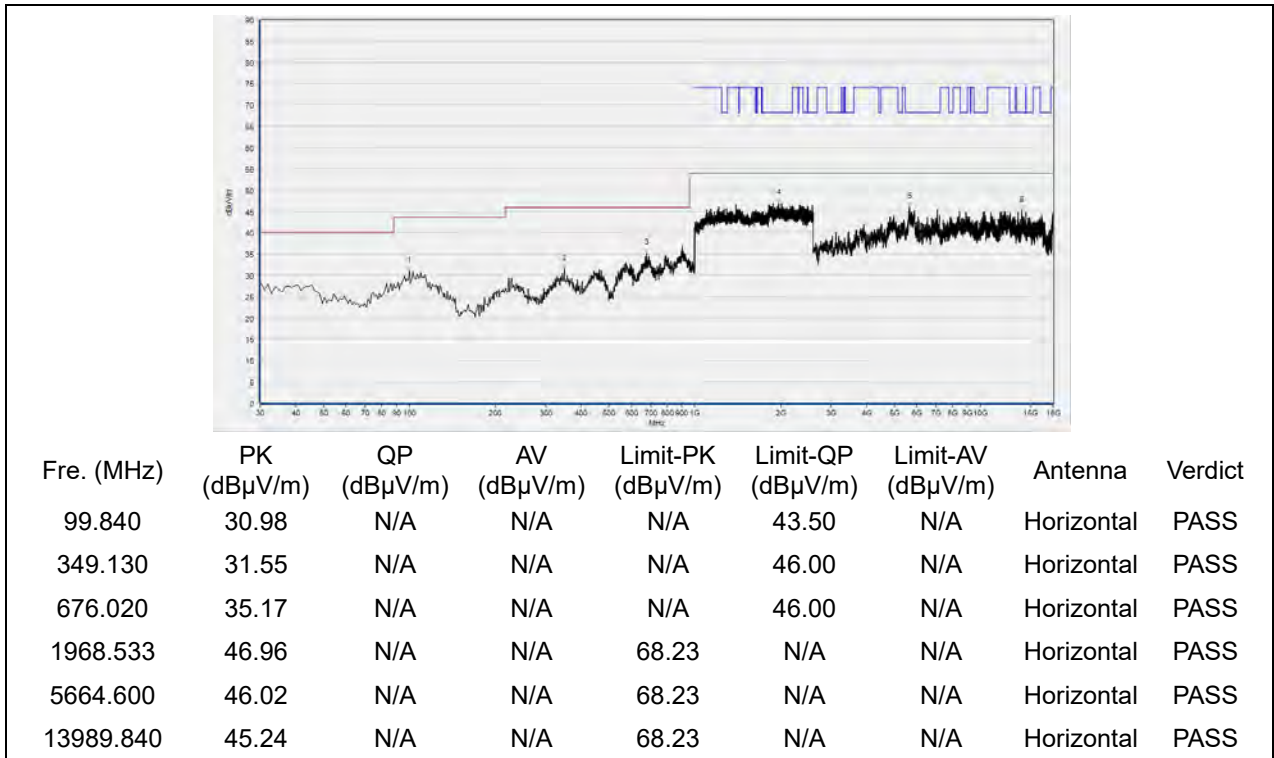


(Antenna Vertical, 30MHz to 18GHz)

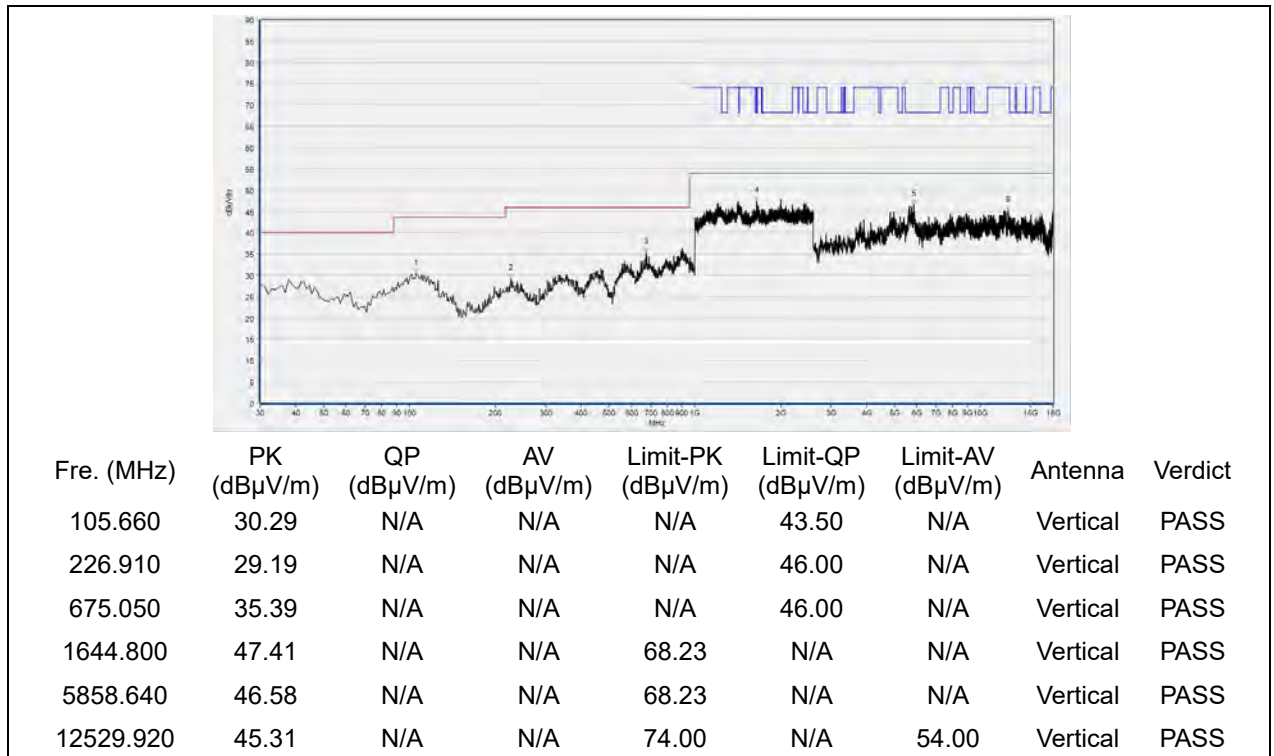


802.11n (HT40) mode

Plot for Channel 38

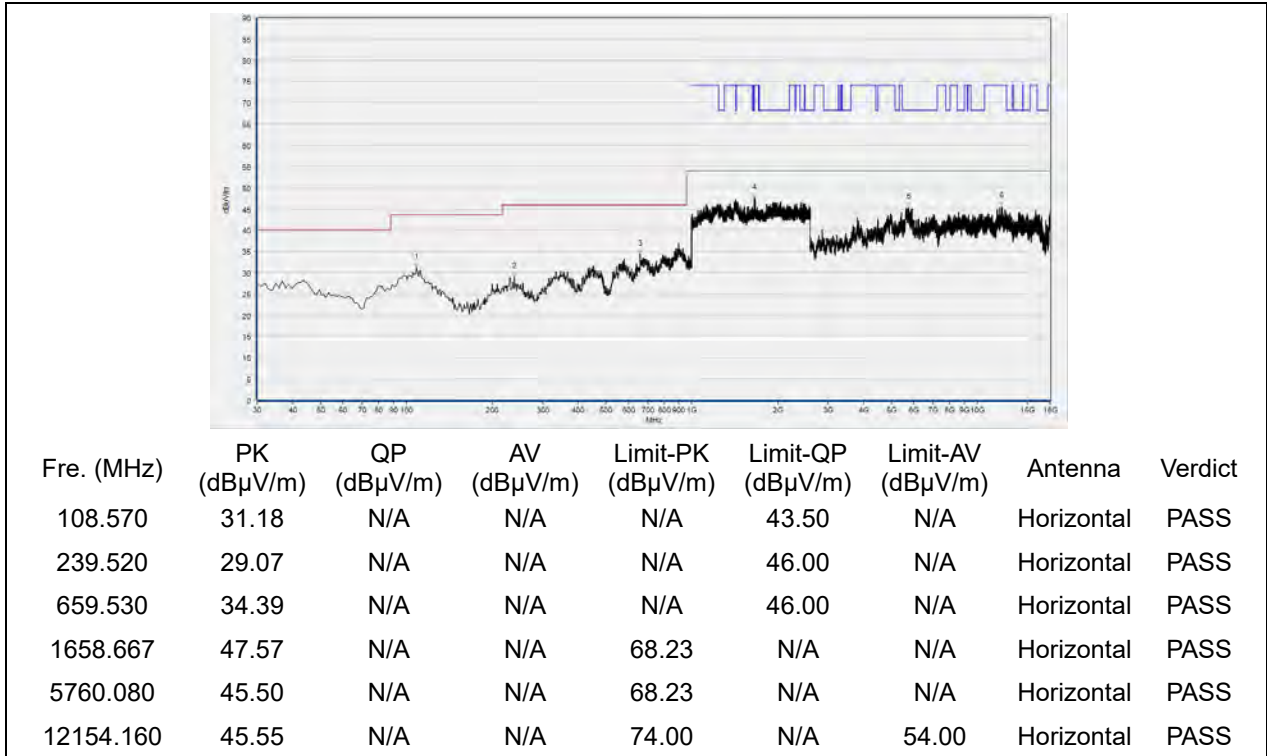


(Antenna Horizontal, 30MHz to 18GHz)

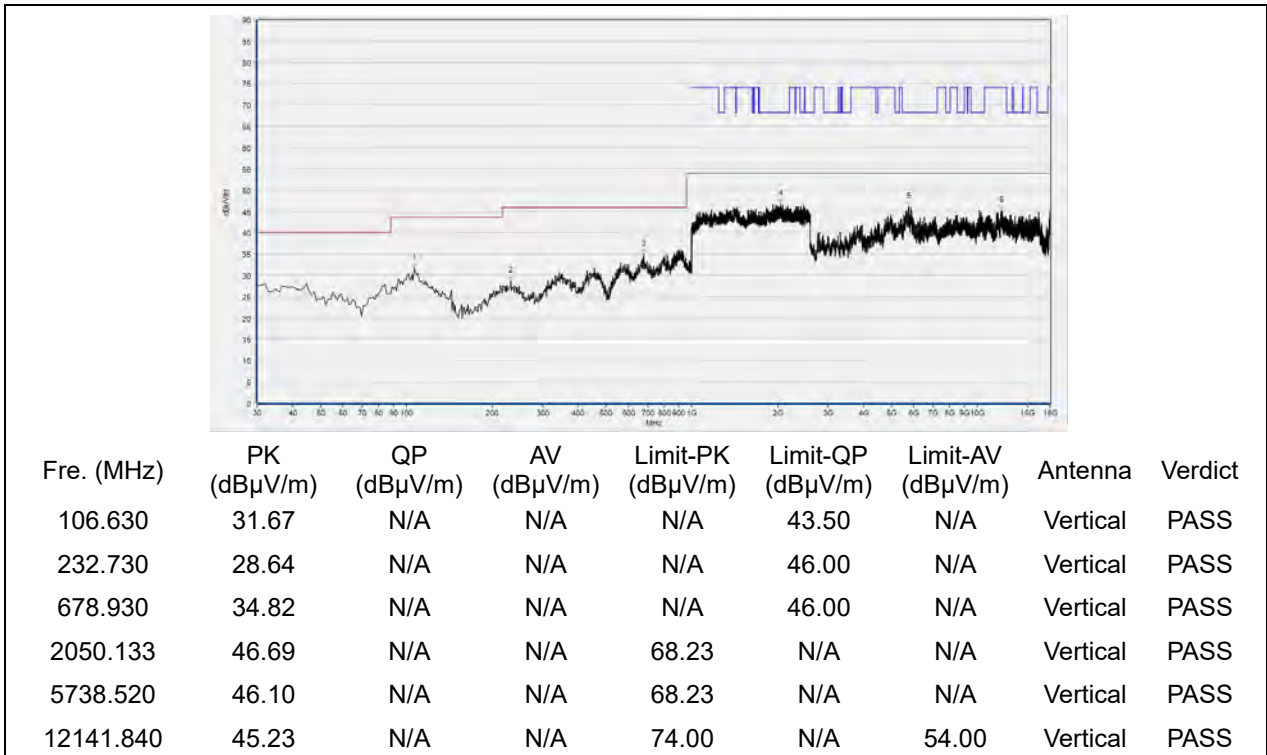


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 46

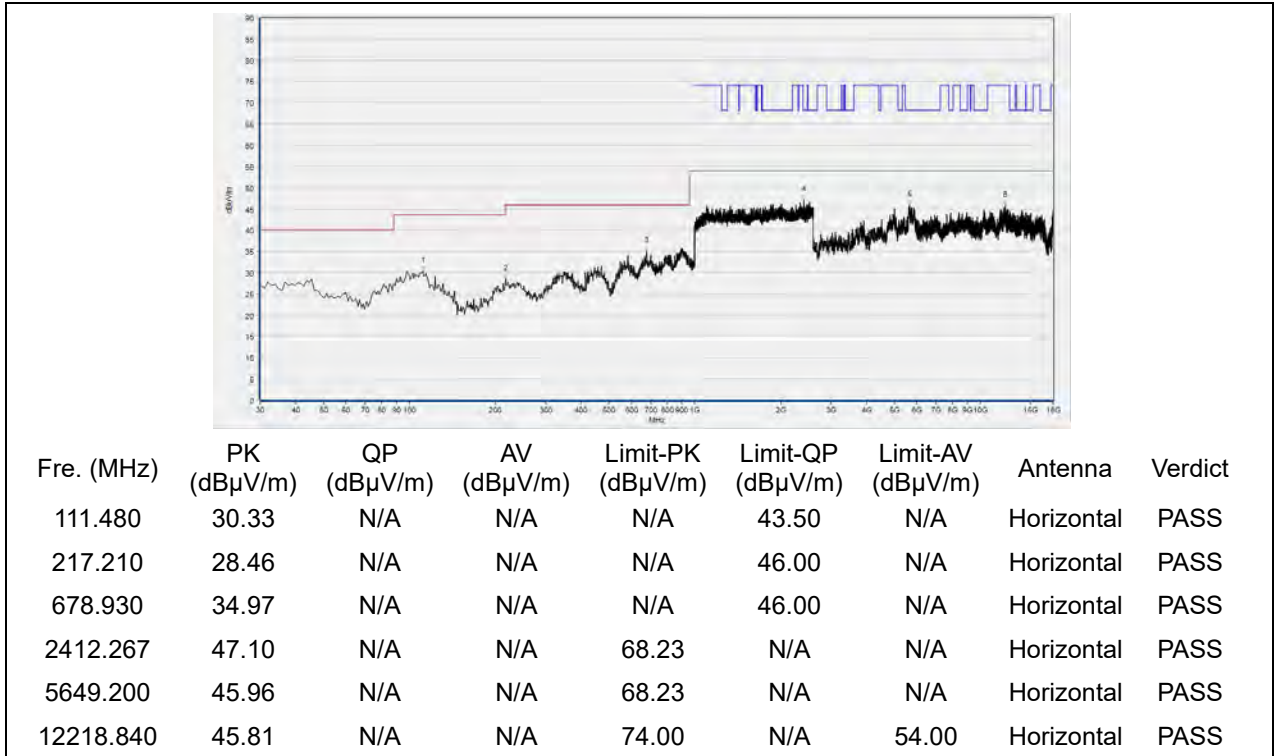


(Antenna Horizontal, 30MHz to 18GHz)

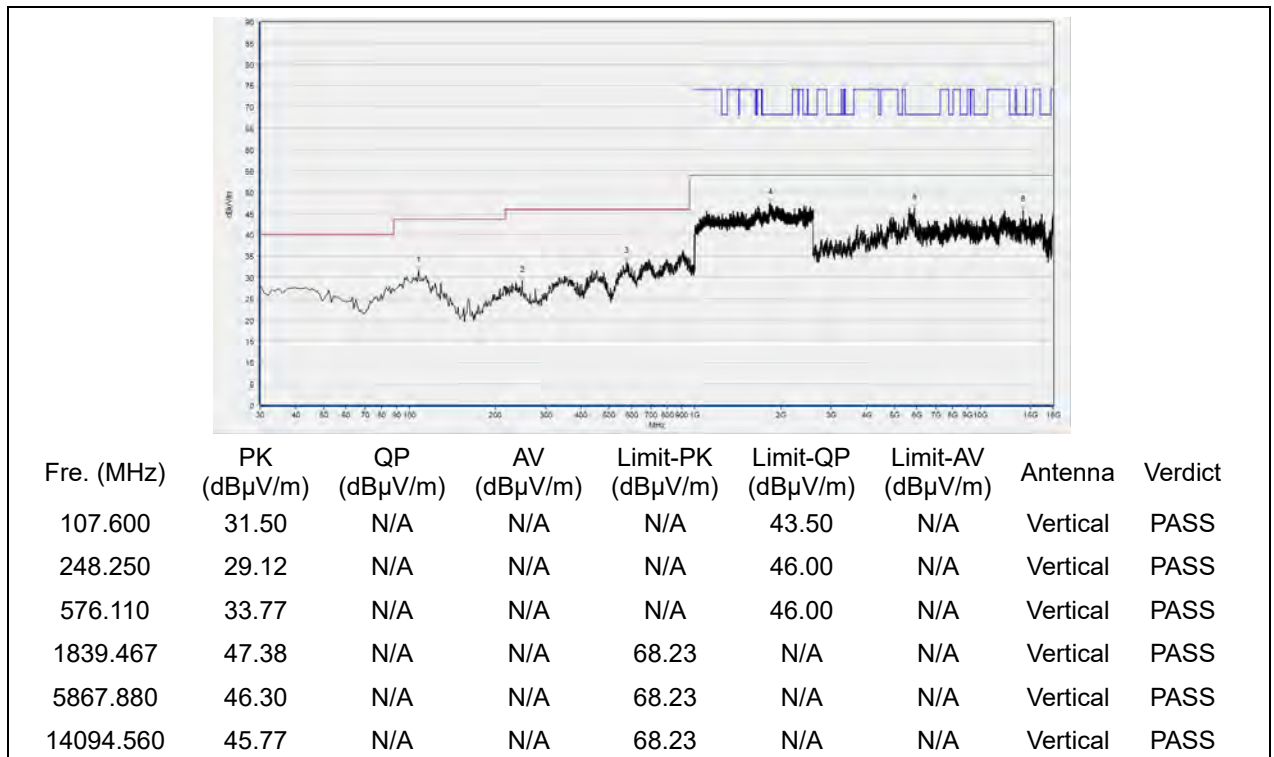


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 151

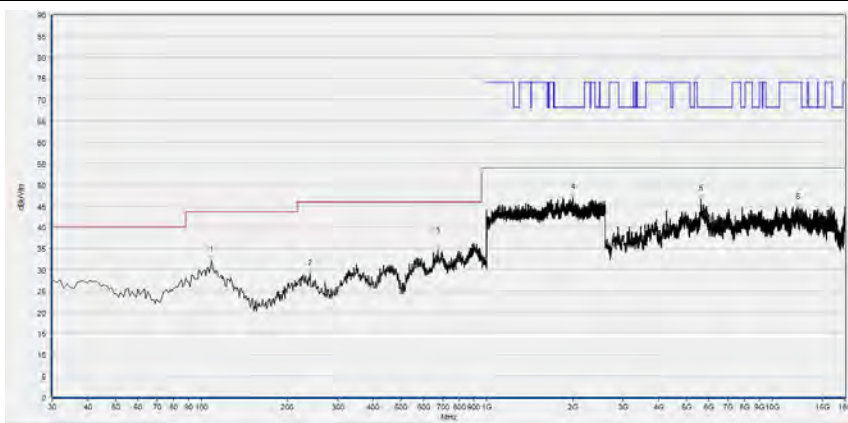


(Antenna Horizontal, 30MHz to 18GHz)



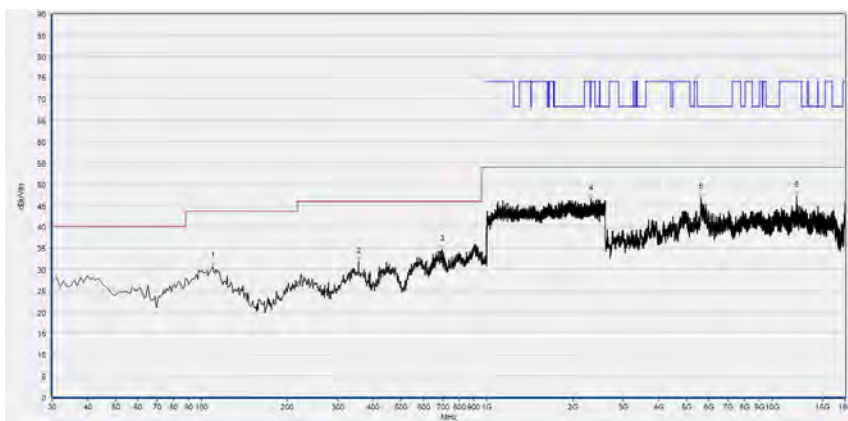
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 159



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	32.14	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
240.490	29.07	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
674.080	34.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1998.400	46.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5627.640	46.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12280.440	44.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



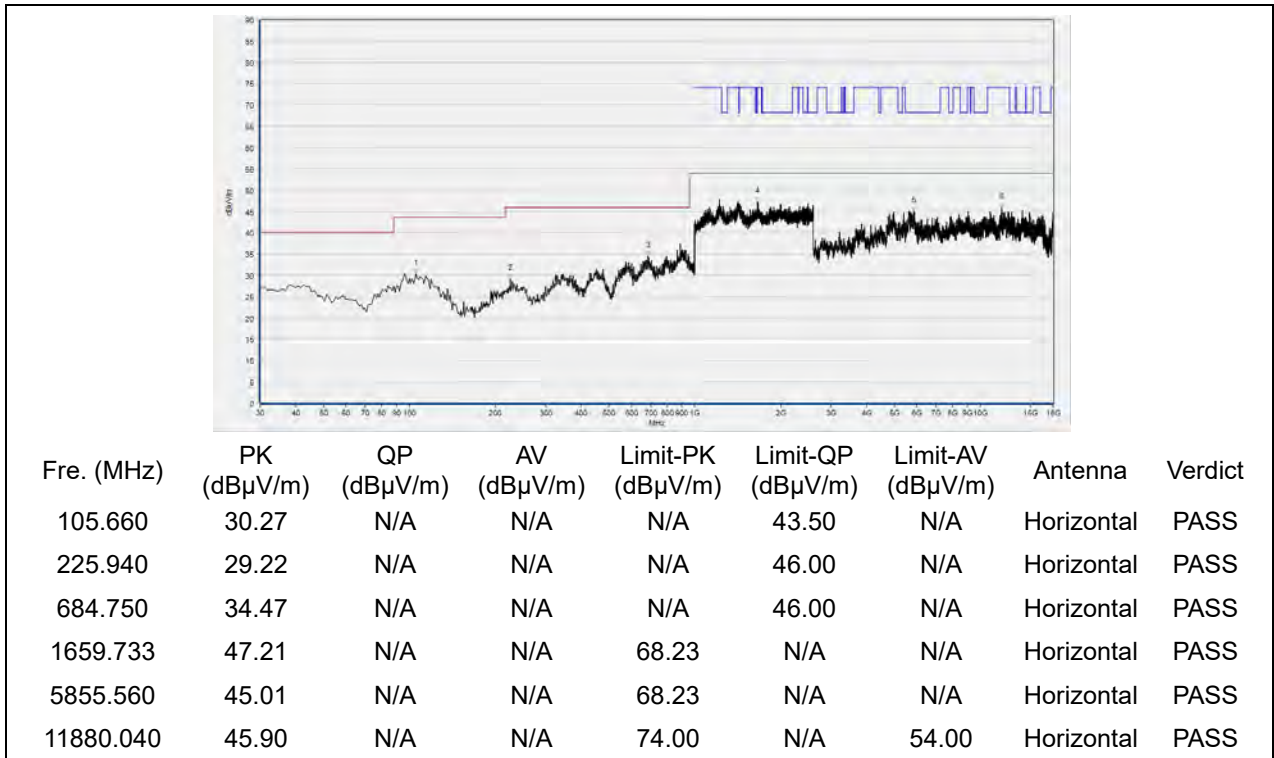
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	30.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
354.950	31.88	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
697.360	34.73	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2316.800	46.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5630.720	46.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12191.120	47.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

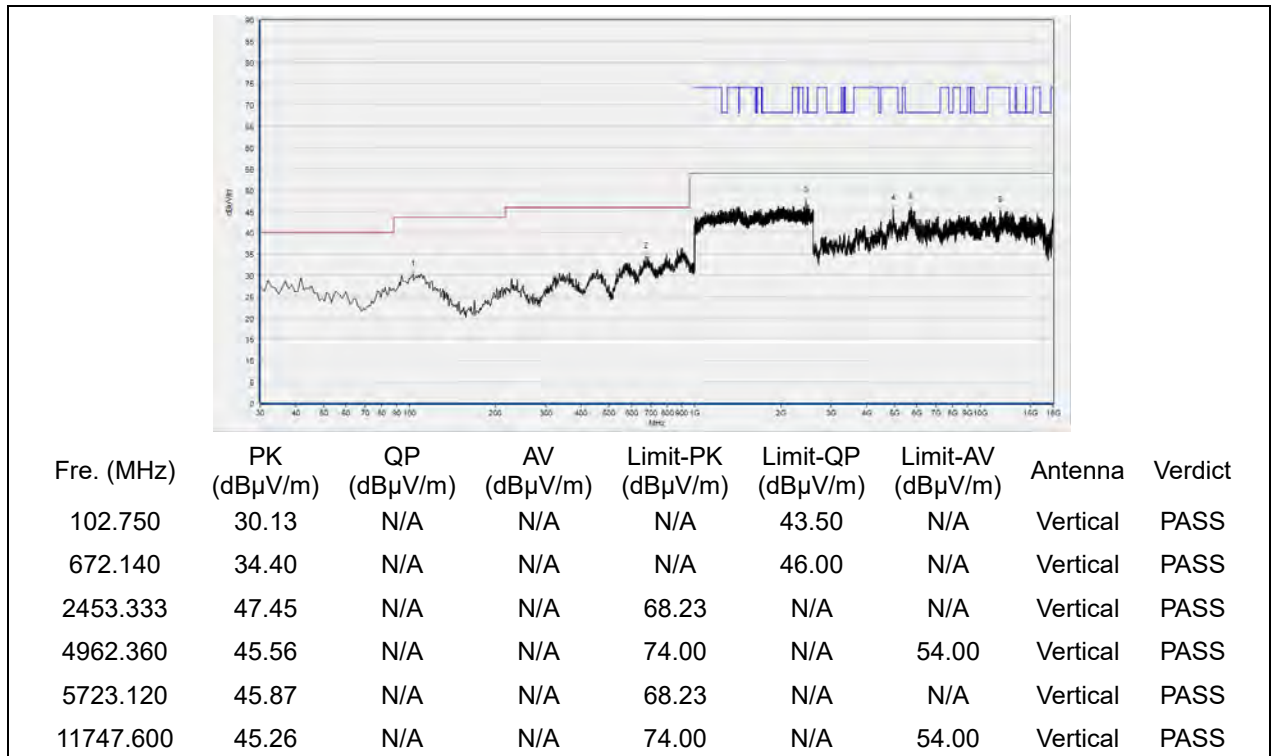


802.11ac (VHT80) Mode

Plot for Channel 42

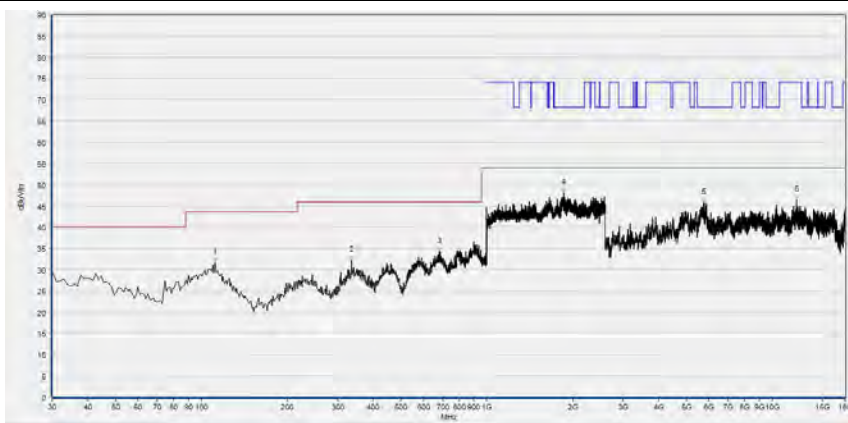


(Antenna Horizontal, 30MHz to 18GHz)



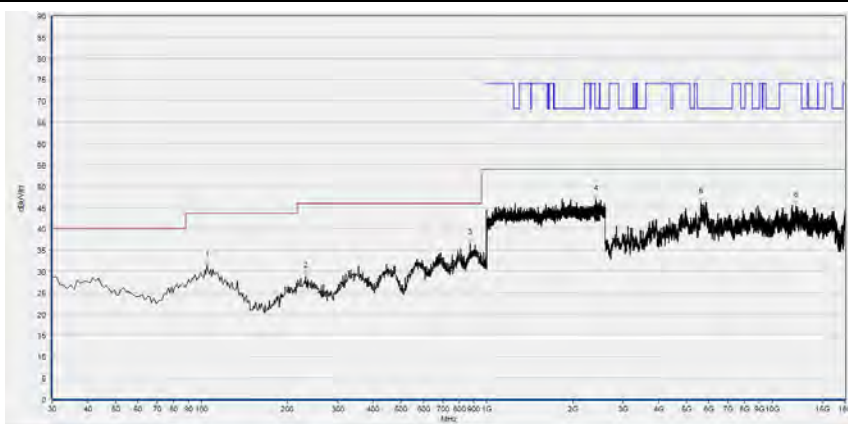
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 155



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.480	31.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
336.520	32.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
681.840	34.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1856.000	48.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5738.520	45.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12151.080	46.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

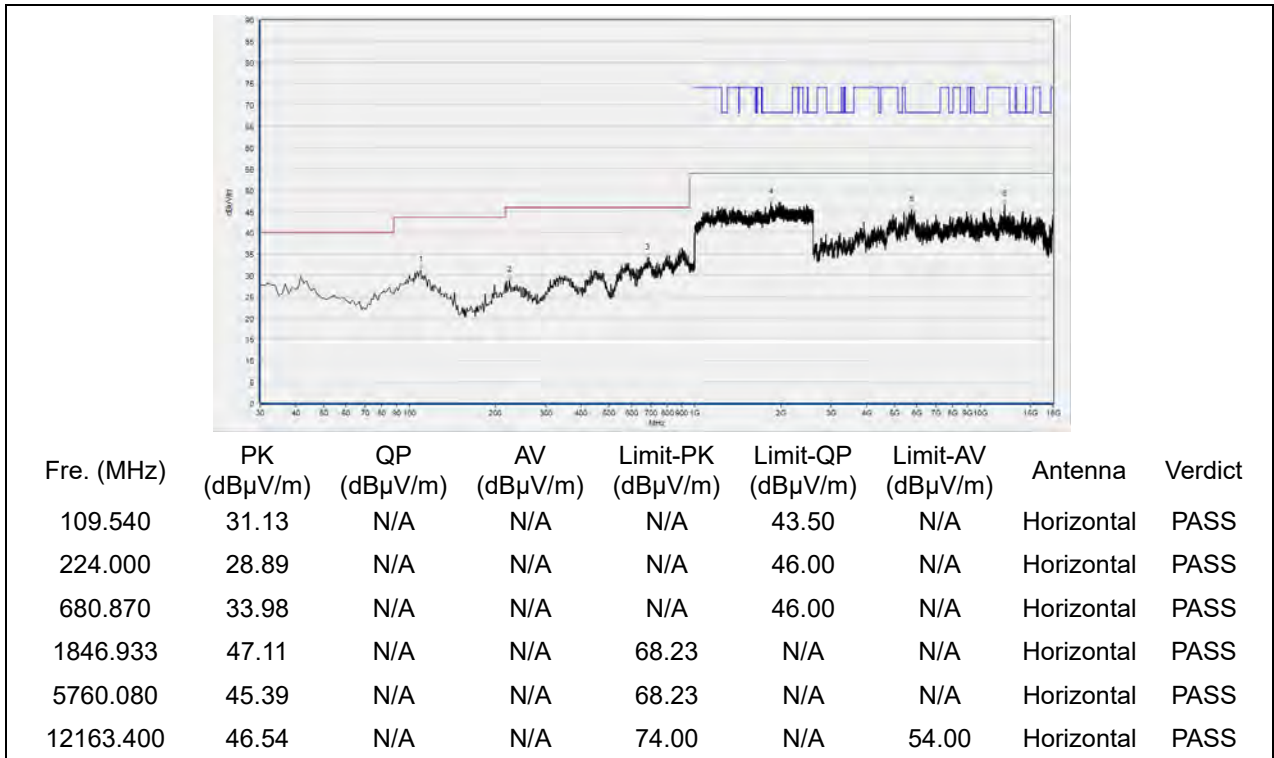


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	31.39	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
231.760	28.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
872.930	36.57	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2405.867	46.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5633.800	46.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12064.840	45.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

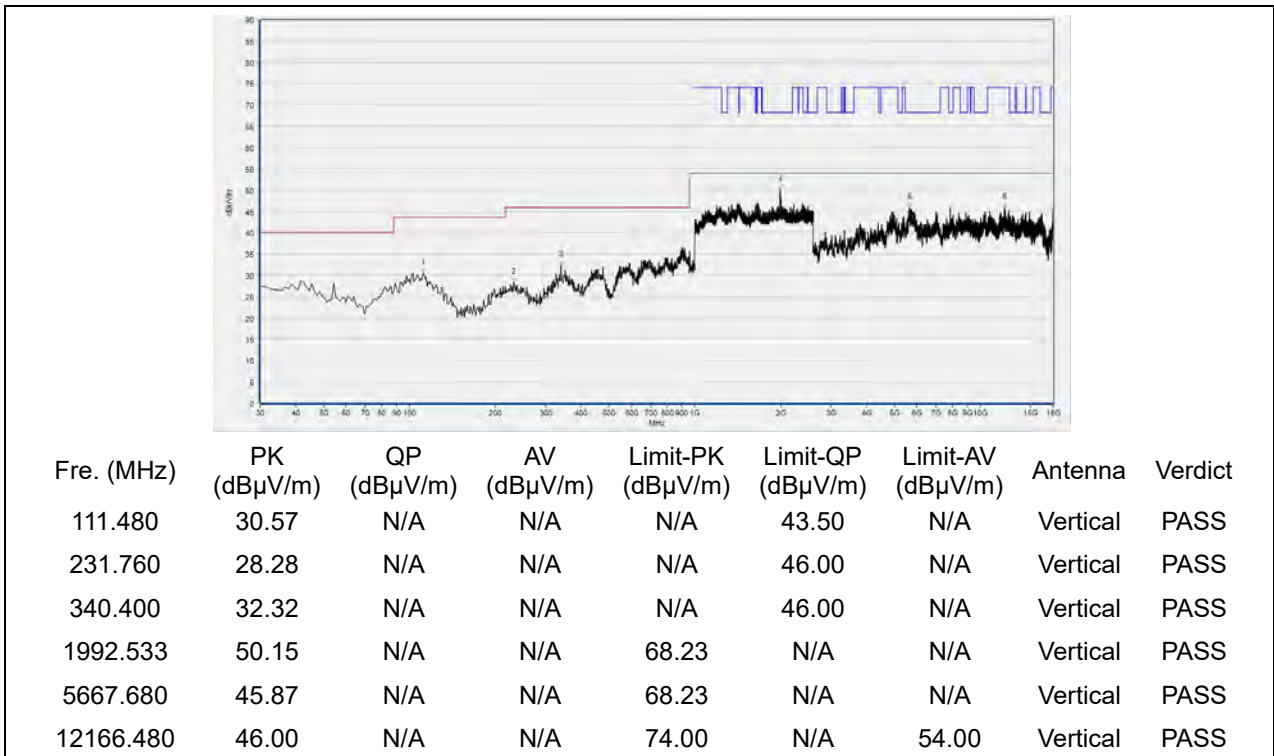
(Antenna Vertical, 30MHz to 18GHz)

802.11ax (HEW20) Mode

Plot for Channel 36



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)