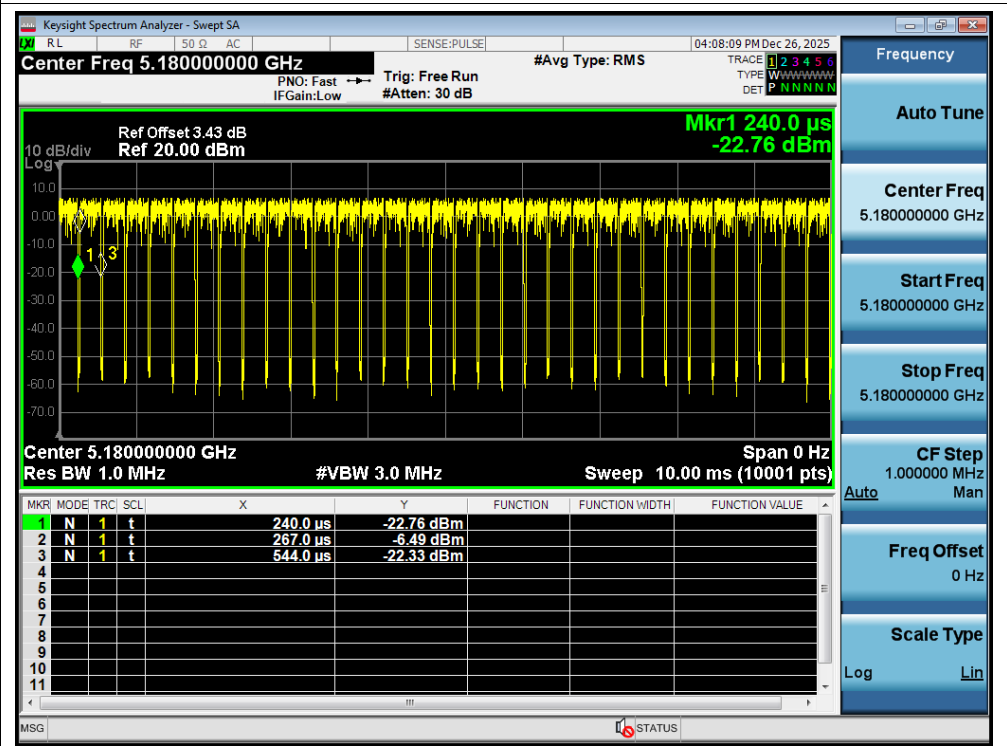


Duty Cycle

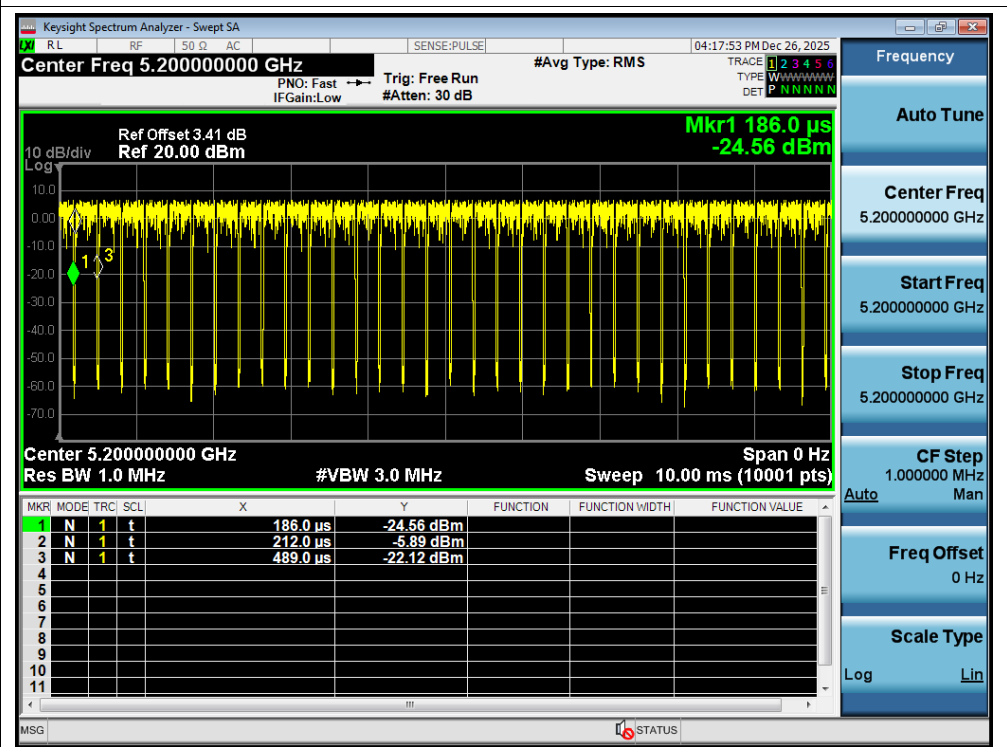
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	91.12	0.4	3.61
NVNT	a	5200	Ant1	91.42	0.39	3.61
NVNT	a	5240	Ant1	91.42	0.39	3.61
NVNT	n20	5180	Ant1	91.56	0.38	3.41
NVNT	n20	5200	Ant1	91.88	0.37	3.4
NVNT	n20	5240	Ant1	91.88	0.37	3.4
NVNT	n40	5190	Ant1	90.62	0.43	3.45
NVNT	n40	5230	Ant1	90.62	0.43	3.45

Test Graphs	
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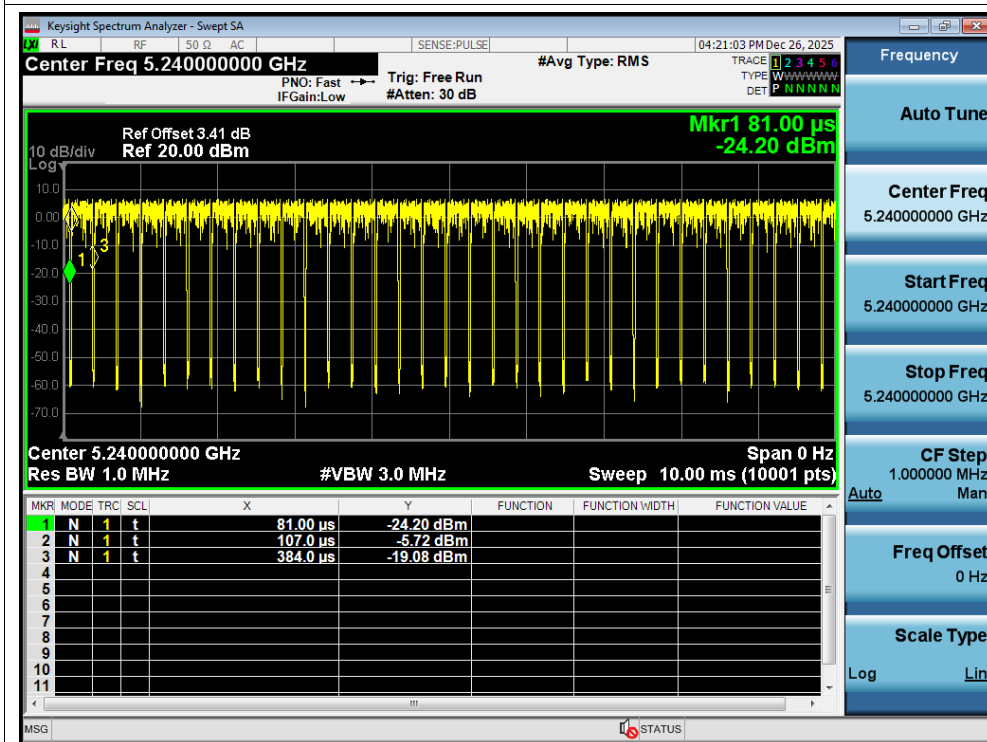
Duty Cycle NVNT a 5180MHz Ant1



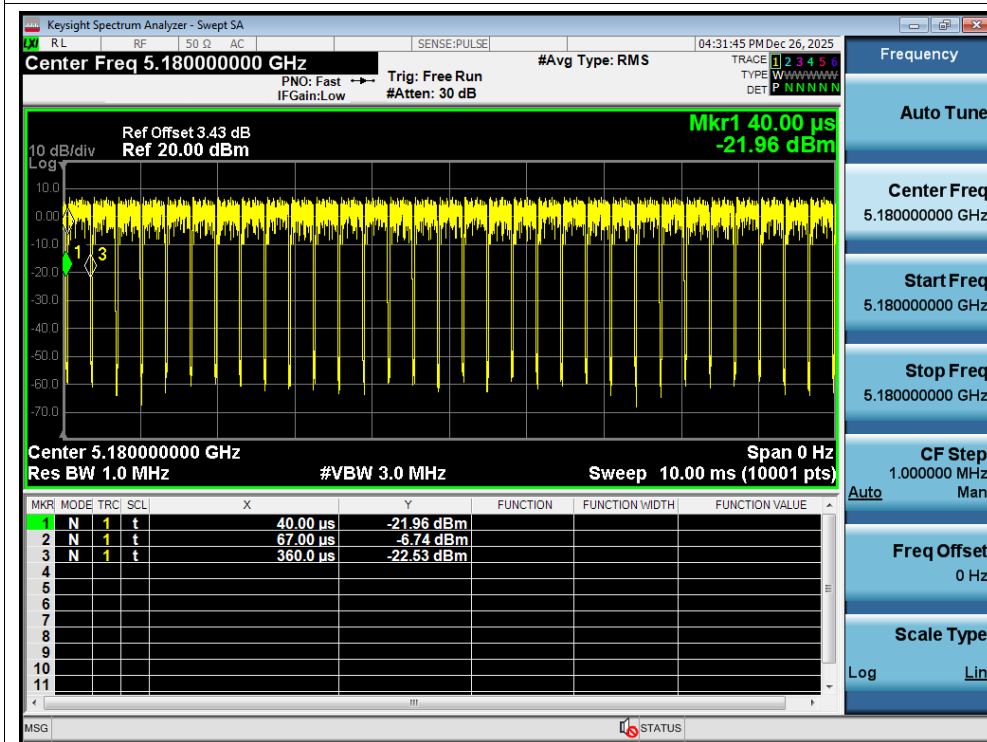
Duty Cycle NVNT a 5200MHz Ant1



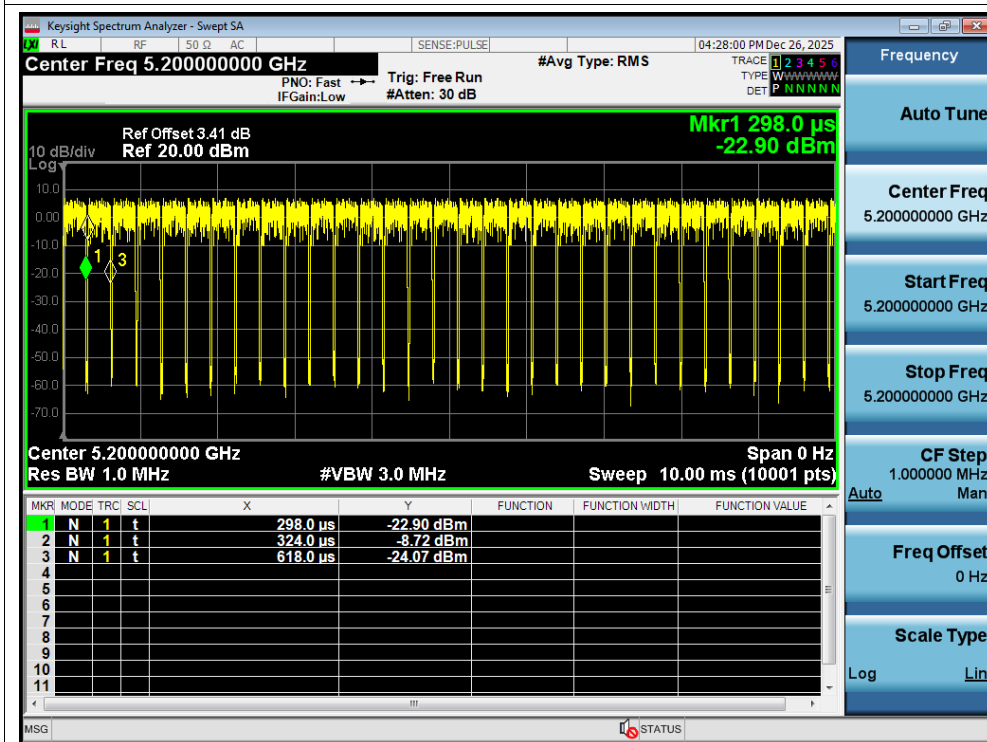
Duty Cycle NVNT a 5240MHz Ant1



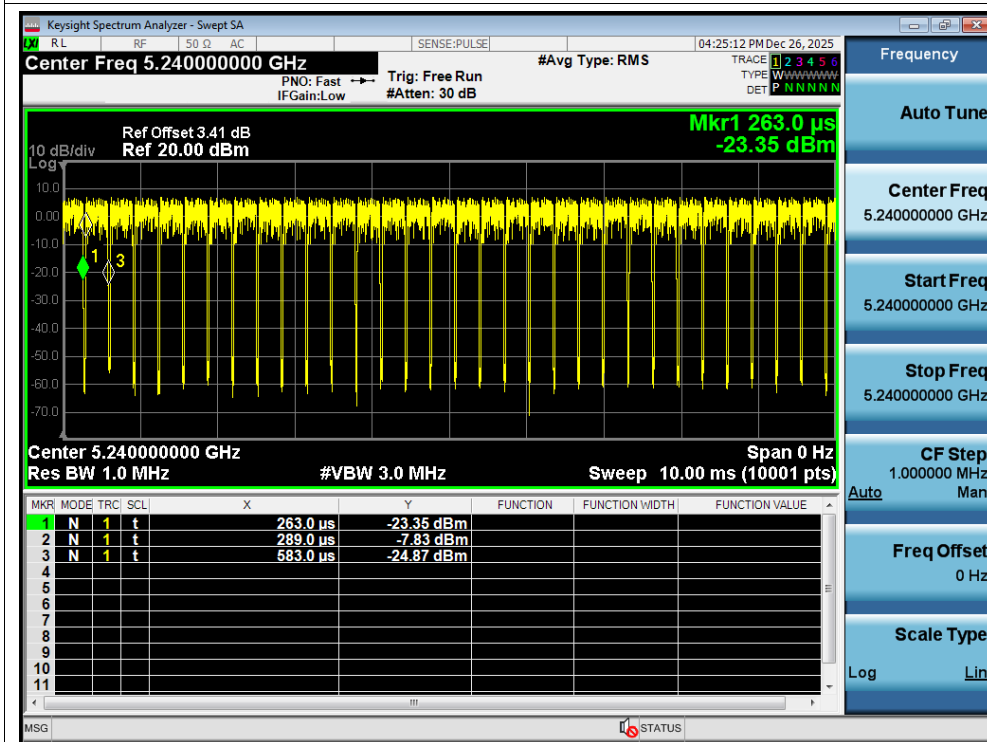
Duty Cycle NVNT n20 5180MHz Ant1



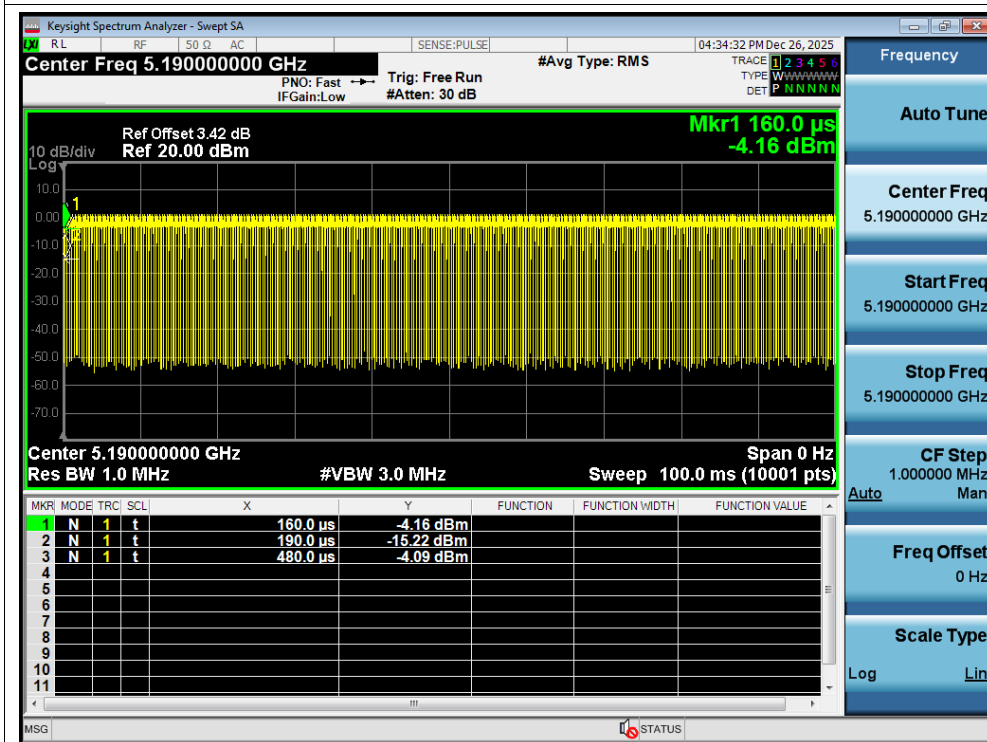
Duty Cycle NVNT n20 5200MHz Ant1



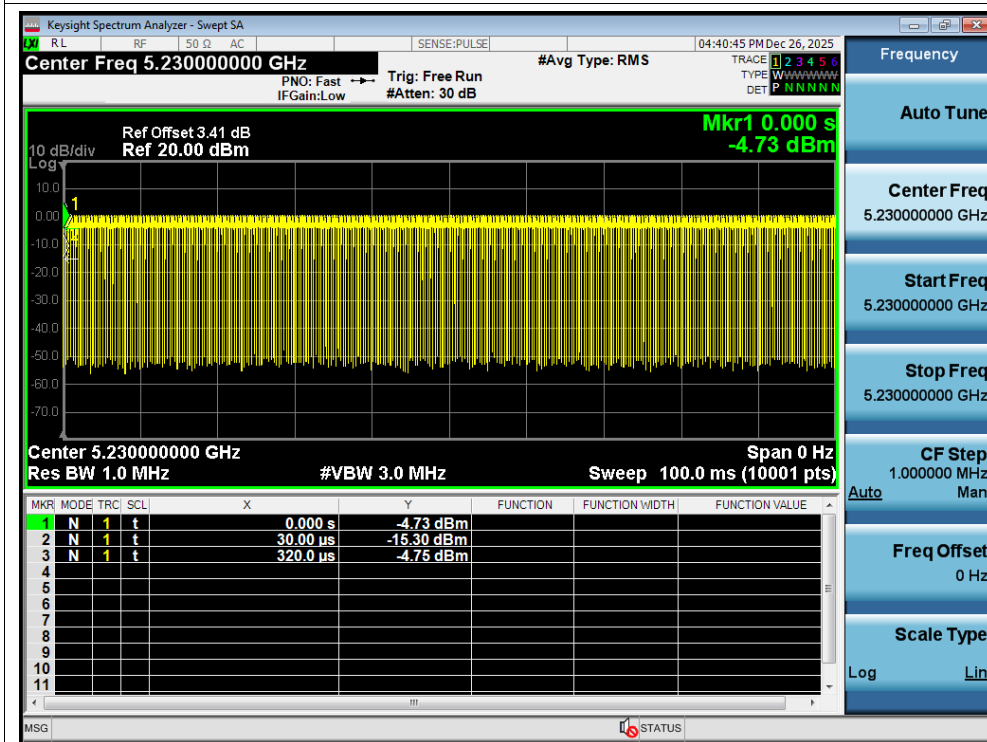
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

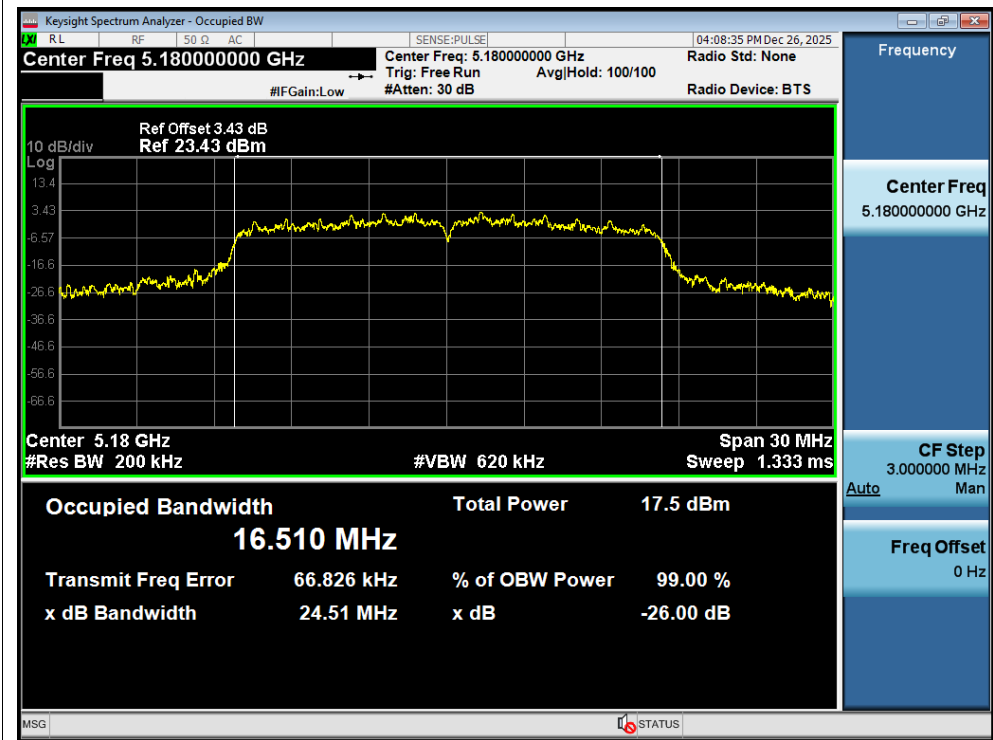
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.38	24	Pass
NVNT	a	5200	Ant1	11.43	24	Pass
NVNT	a	5240	Ant1	11.39	24	Pass
NVNT	n20	5180	Ant1	10.54	24	Pass
NVNT	n20	5200	Ant1	10.59	24	Pass
NVNT	n20	5240	Ant1	10.65	24	Pass
NVNT	n40	5190	Ant1	9.92	24	Pass
NVNT	n40	5230	Ant1	9.43	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	24.51	0.5	Pass
NVNT	a	5200	Ant1	28.343	0.5	Pass
NVNT	a	5240	Ant1	29.266	0.5	Pass
NVNT	n20	5180	Ant1	29.138	0.5	Pass
NVNT	n20	5200	Ant1	29.245	0.5	Pass
NVNT	n20	5240	Ant1	29.466	0.5	Pass
NVNT	n40	5190	Ant1	56.909	0.5	Pass
NVNT	n40	5230	Ant1	57.667	0.5	Pass

Test Graphs

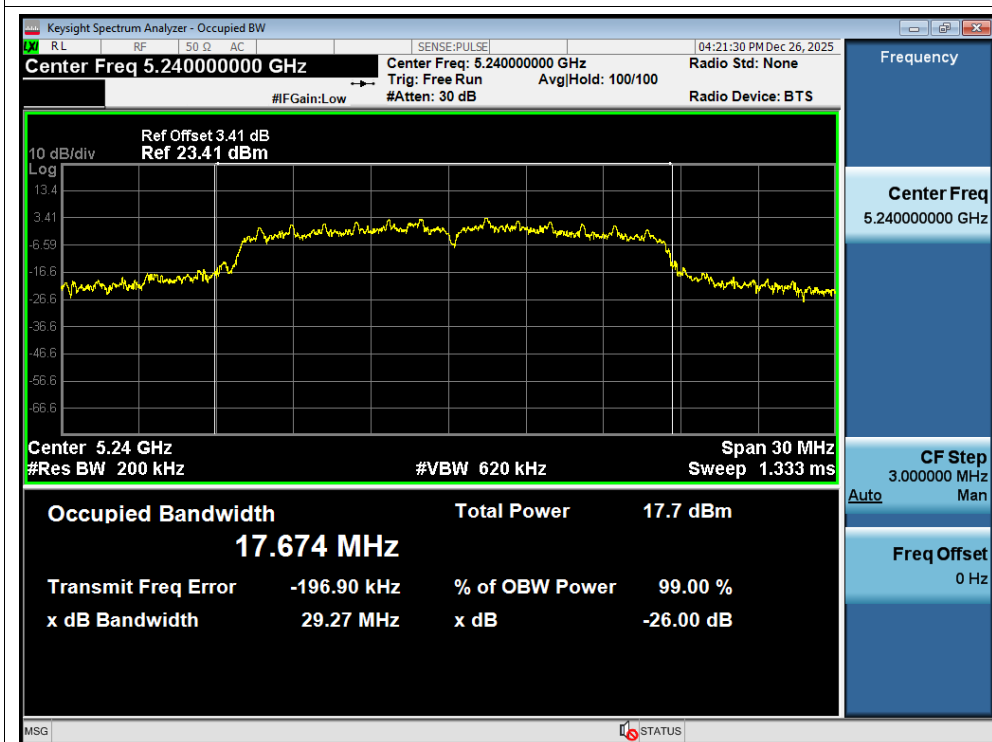
-26dB Bandwidth NVNT a 5180MHz Ant1



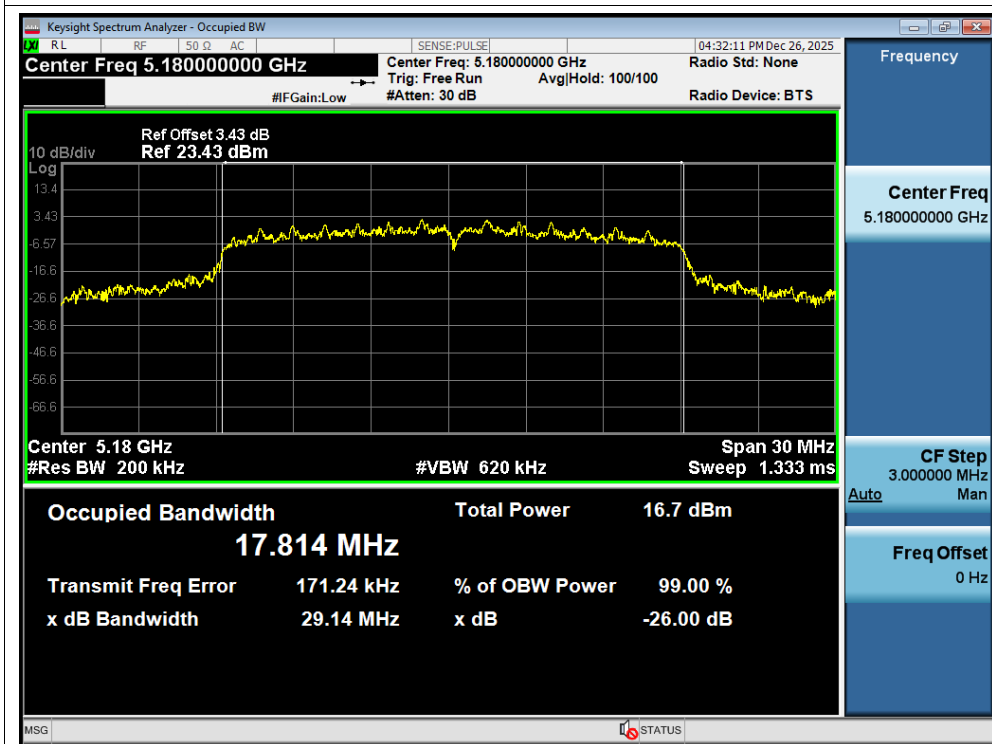
-26dB Bandwidth NVNT a 5200MHz Ant1



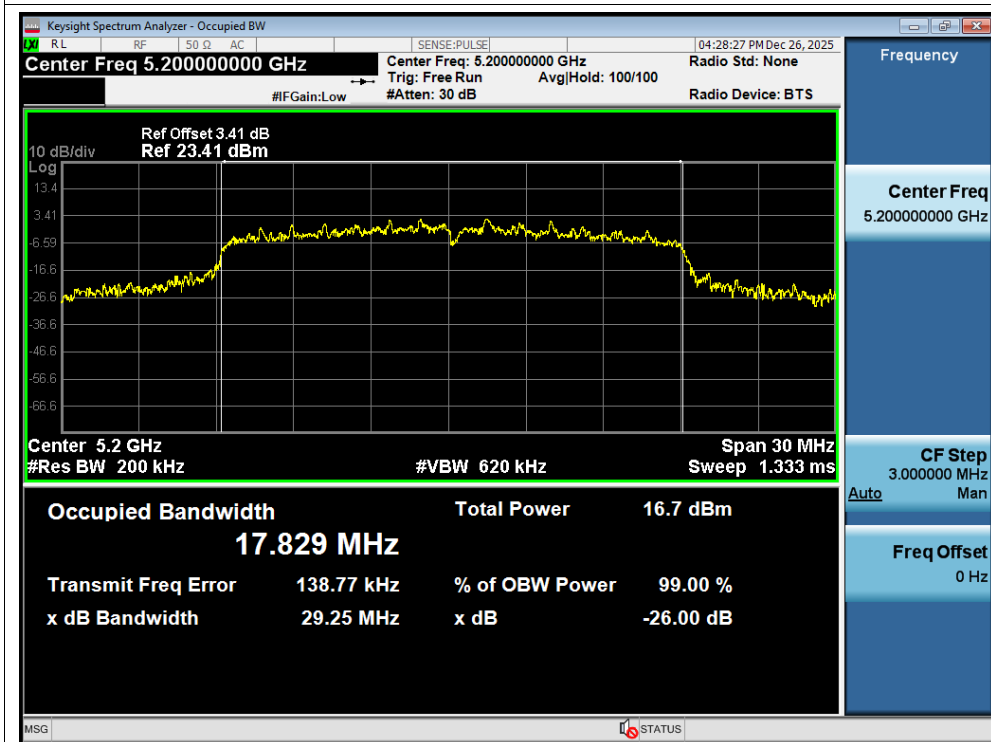
-26dB Bandwidth NVNT a 5240MHz Ant1



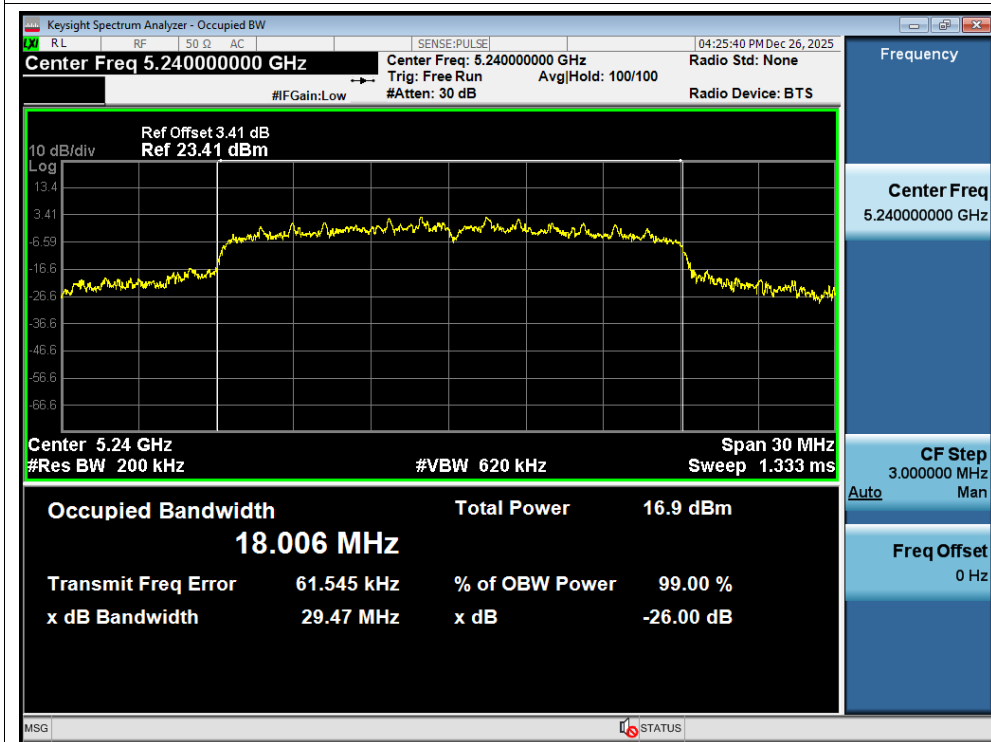
-26dB Bandwidth NVNT n20 5180MHz Ant1



-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.523
NVNT	a	5200	Ant1	17.14
NVNT	a	5240	Ant1	17.732
NVNT	n20	5180	Ant1	17.768
NVNT	n20	5200	Ant1	17.826
NVNT	n20	5240	Ant1	18.098
NVNT	n40	5190	Ant1	36.059
NVNT	n40	5230	Ant1	36.119

Test Graphs

OBW NVNT a 5180MHz Ant1



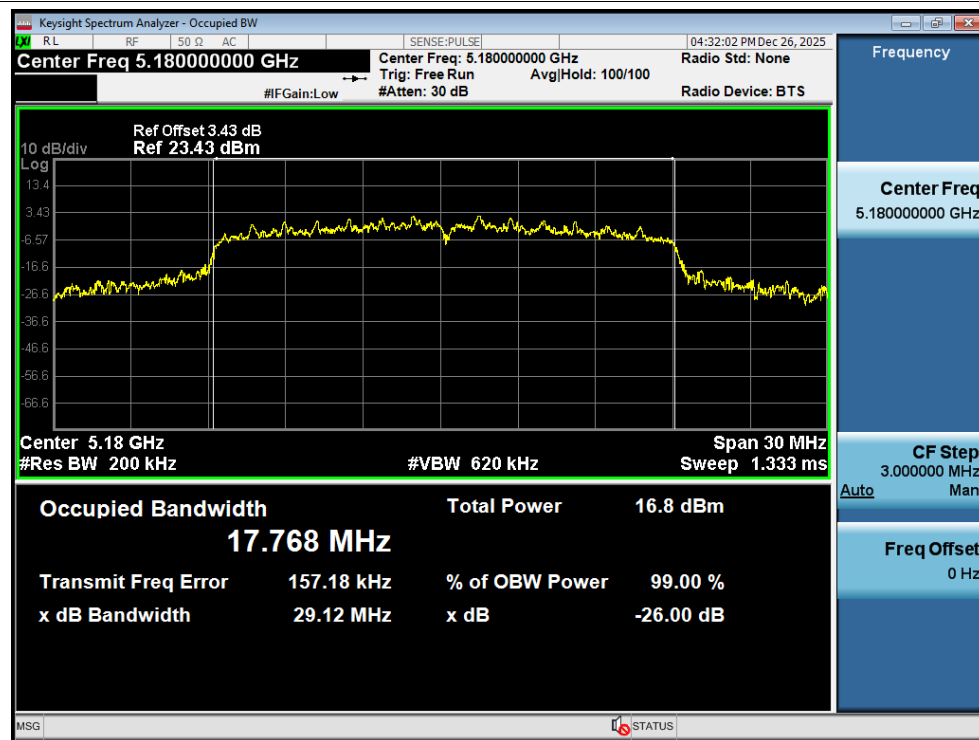
OBW NVNT a 5200MHz Ant1



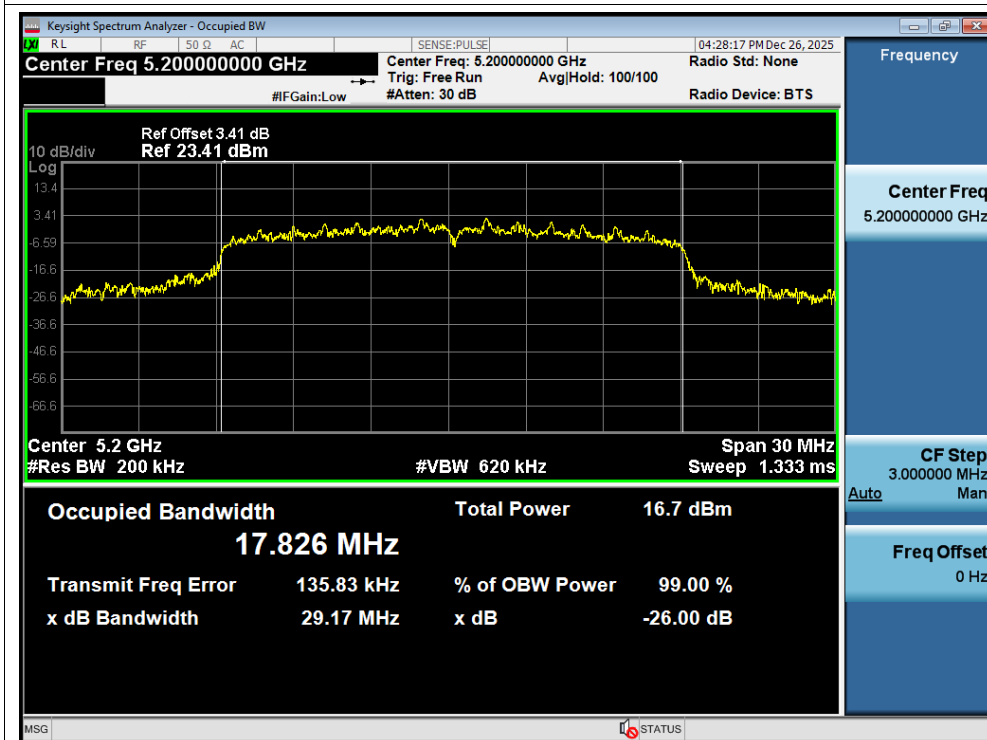
OBW NVNT a 5240MHz Ant1



OBW NVNT n20 5180MHz Ant1



OBW NVNT n20 5200MHz Ant1



OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

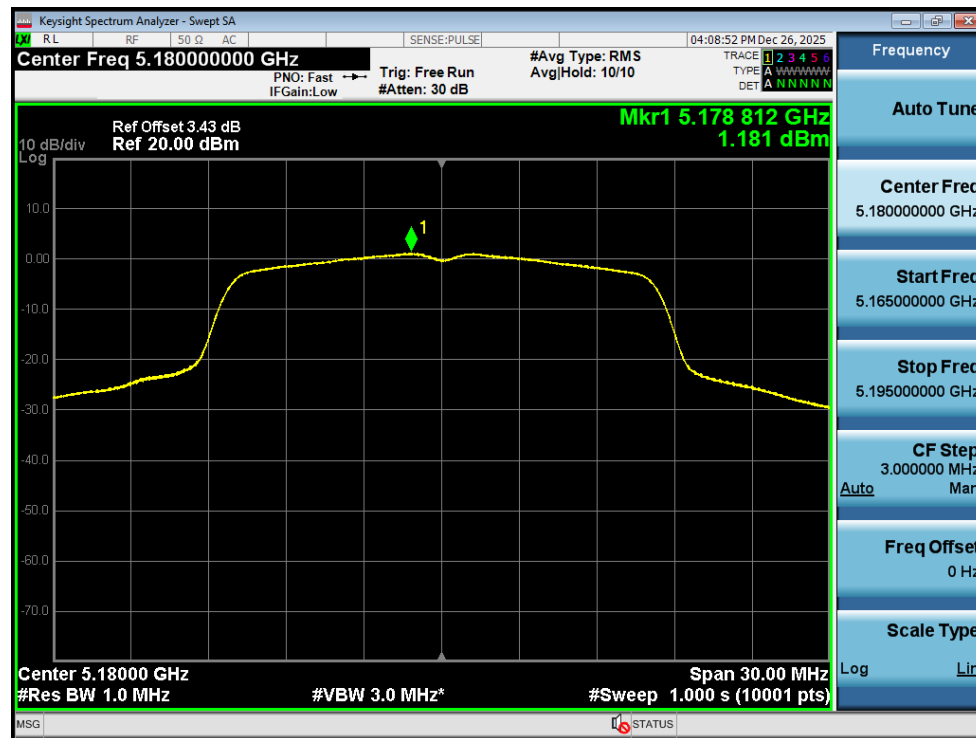


Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	1.18	0.4	1.58	11	Pass
NVNT	a	5200	Ant1	1.41	0.39	1.8	11	Pass
NVNT	a	5240	Ant1	1.25	0.39	1.64	11	Pass
NVNT	n20	5180	Ant1	0.57	0.38	0.95	11	Pass
NVNT	n20	5200	Ant1	0.61	0.37	0.98	11	Pass
NVNT	n20	5240	Ant1	0.51	0.37	0.88	11	Pass
NVNT	n40	5190	Ant1	-2.35	0.43	-1.92	11	Pass
NVNT	n40	5230	Ant1	-0.26	0.43	0.17	11	Pass

Test Graphs

PSD NVNT a 5180MHz Ant1



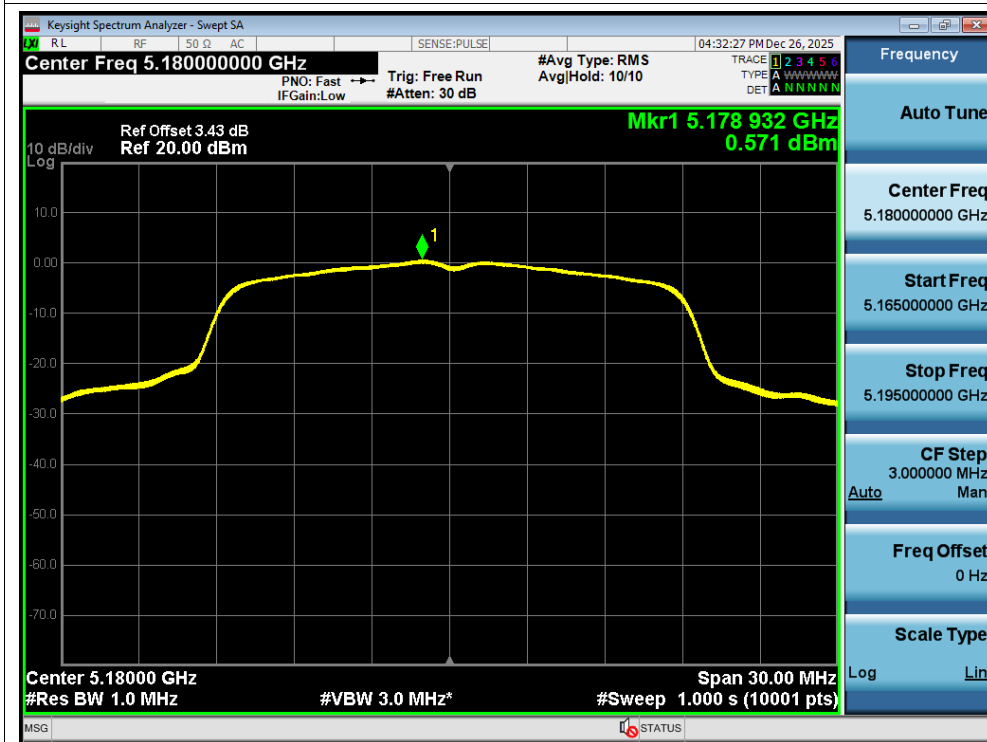
PSD NVNT a 5200MHz Ant1

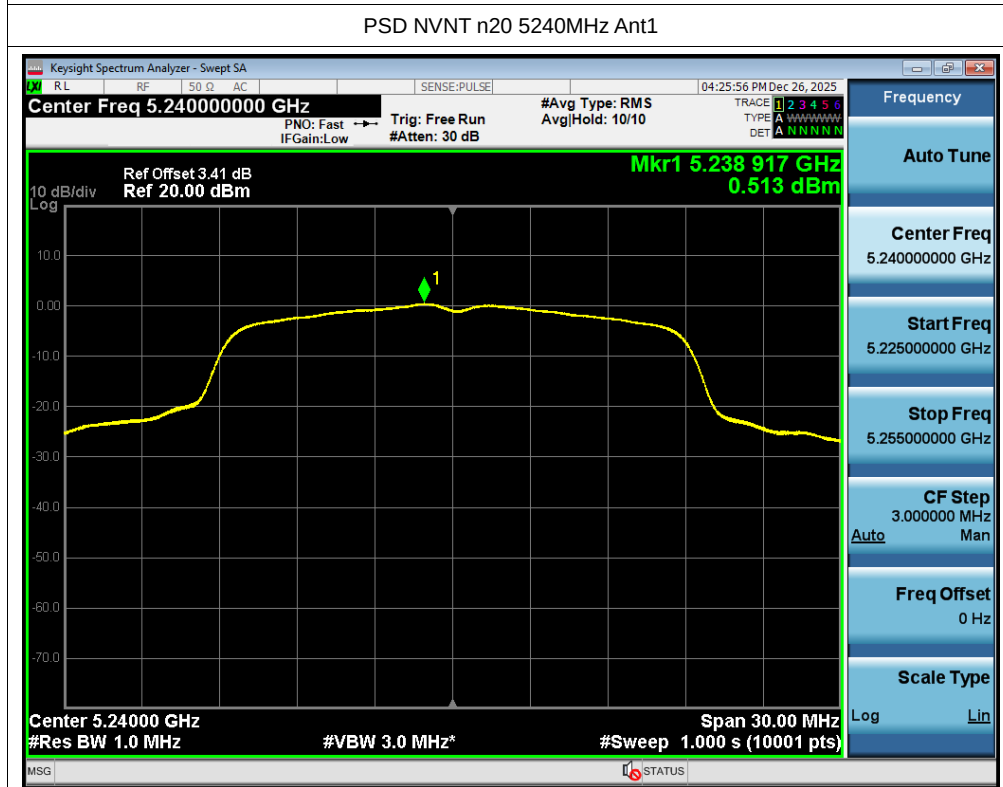
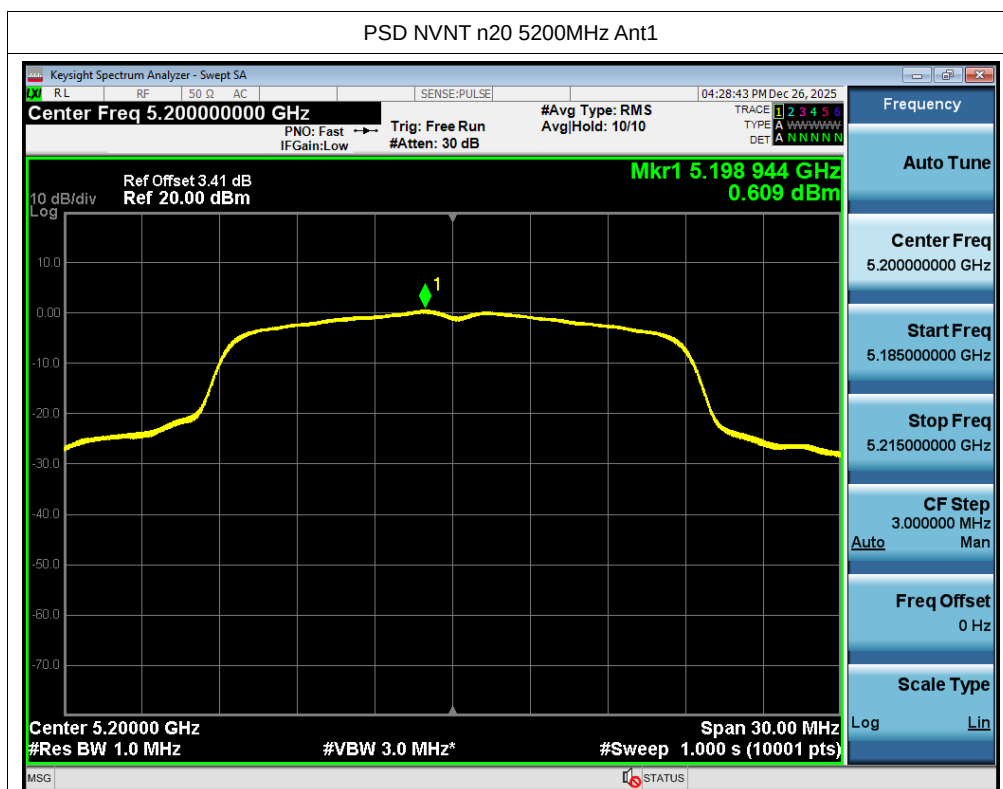


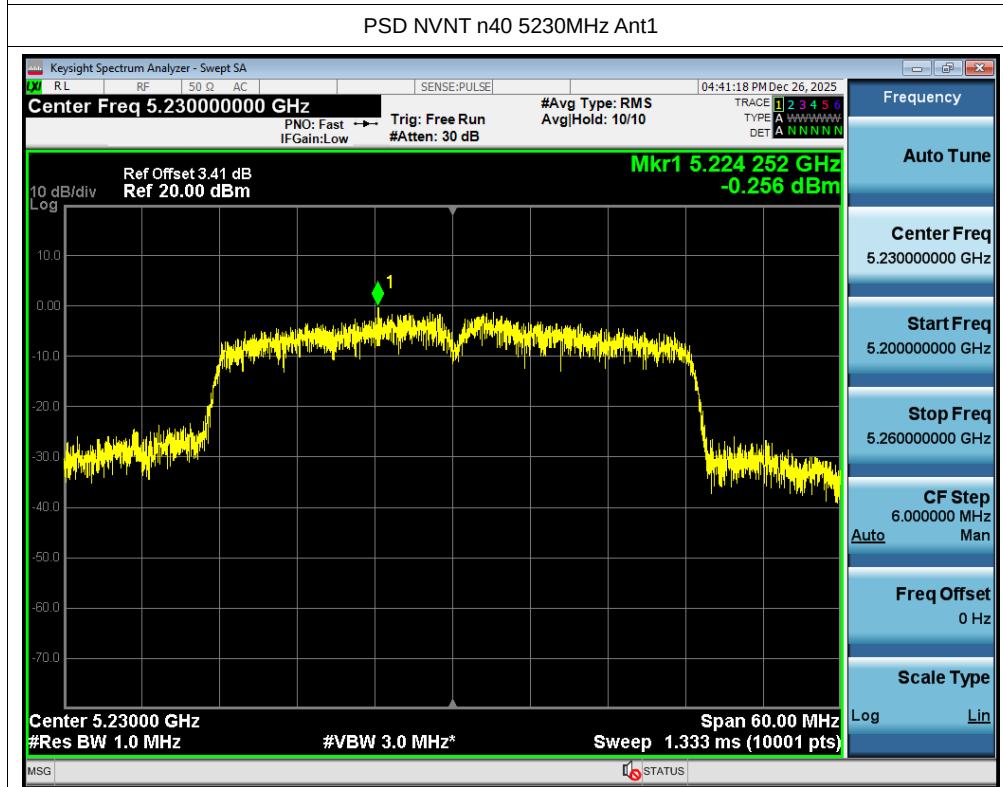
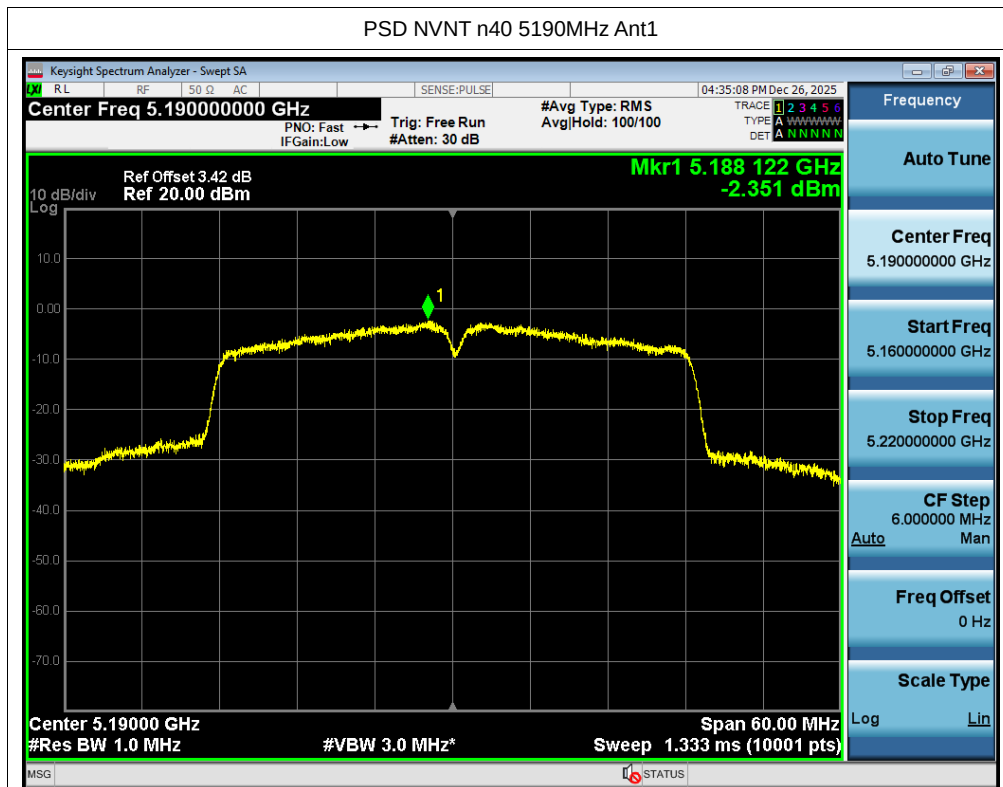
PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1





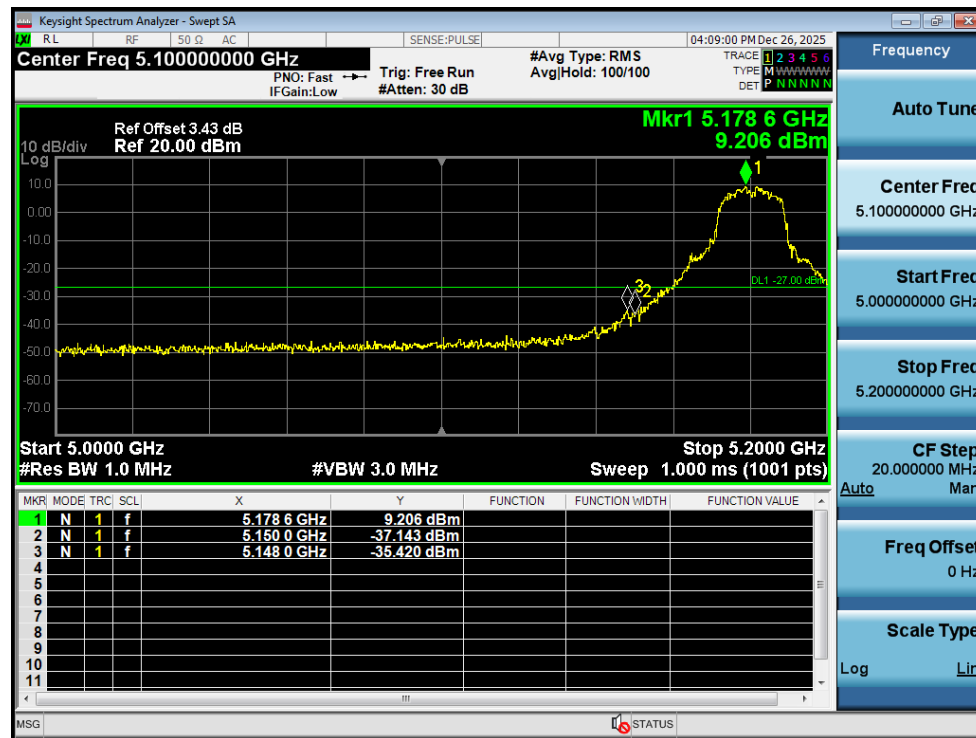


Band Edge

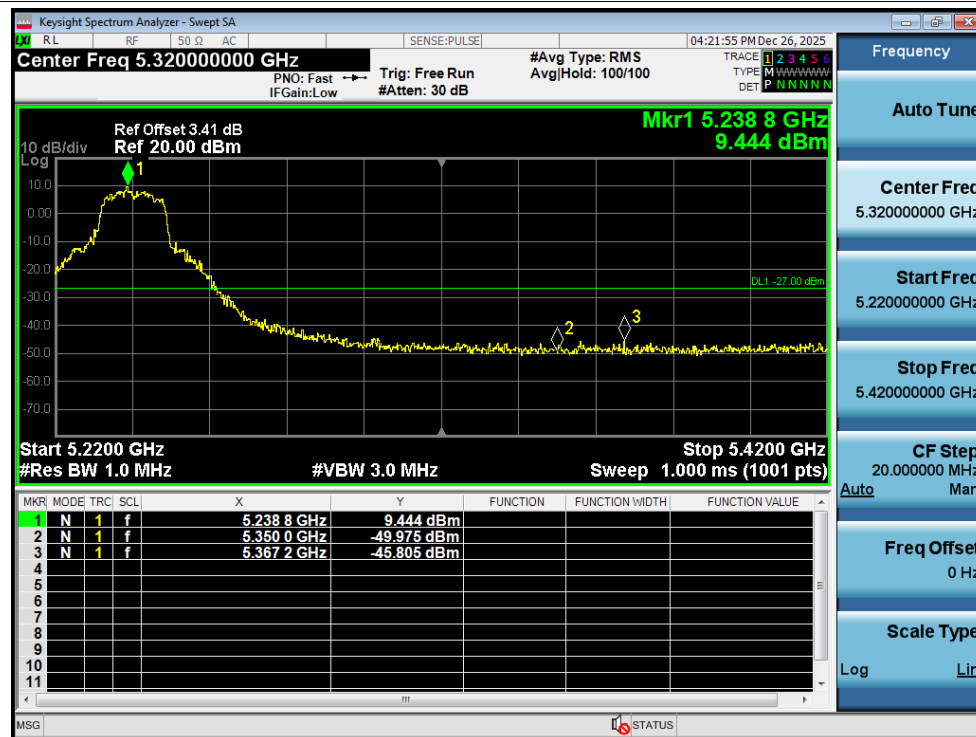
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-35.41	-27	Pass
NVNT	a	5240	Ant1	-45.8	-27	Pass
NVNT	n20	5180	Ant1	-34	-27	Pass
NVNT	n20	5240	Ant1	-46.48	-27	Pass
NVNT	n40	5190	Ant1	-29.71	-27	Pass
NVNT	n40	5230	Ant1	-46.01	-27	Pass

Test Graphs

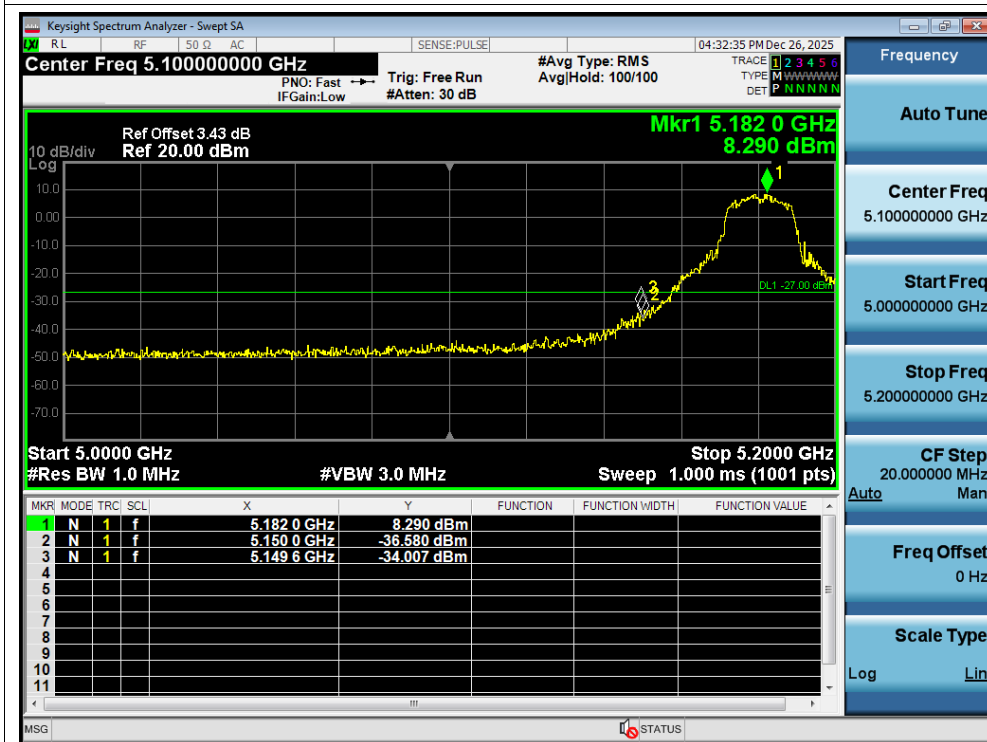
Band Edge NVNT a 5180MHz Low Ant1



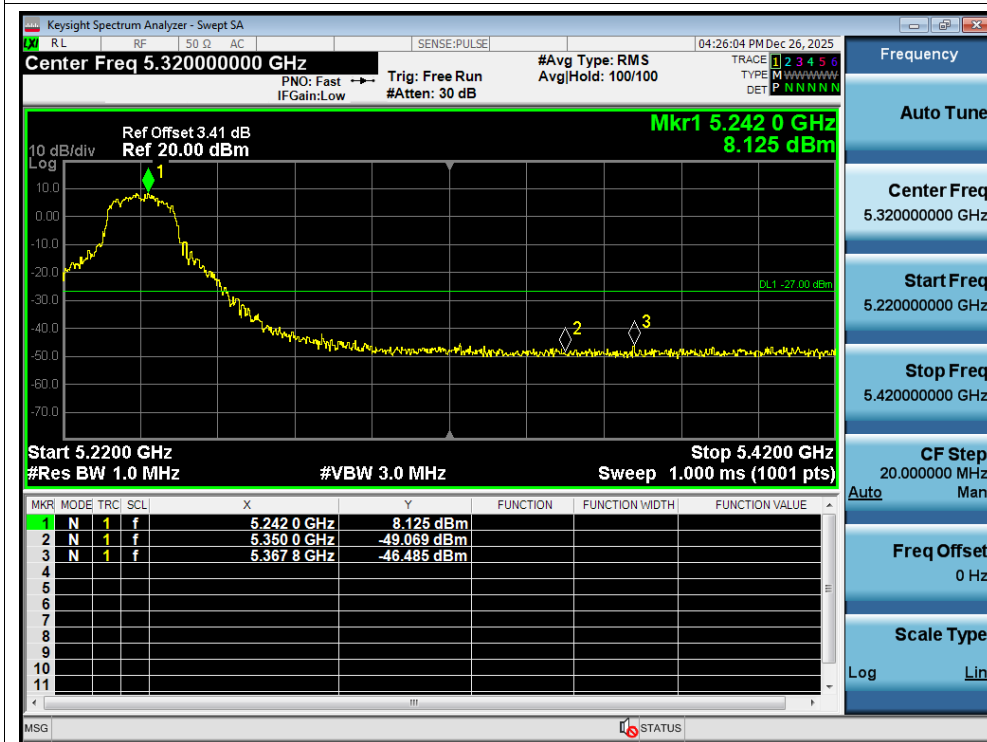
Band Edge NVNT a 5240MHz High Ant1



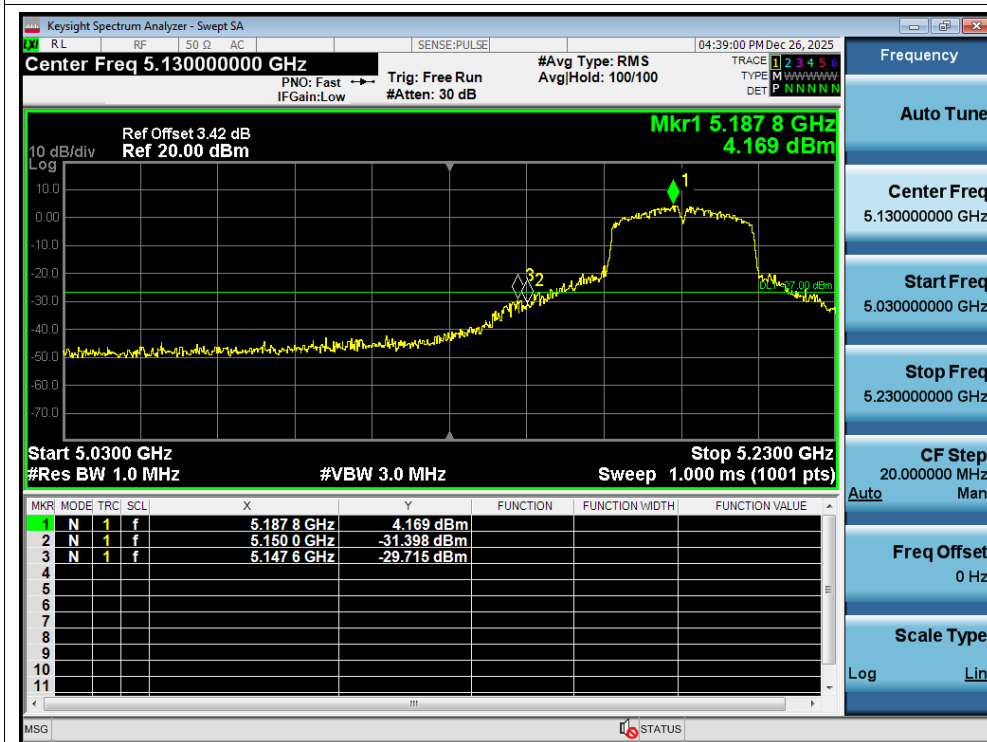
Band Edge NVNT n20 5180MHz Low Ant1



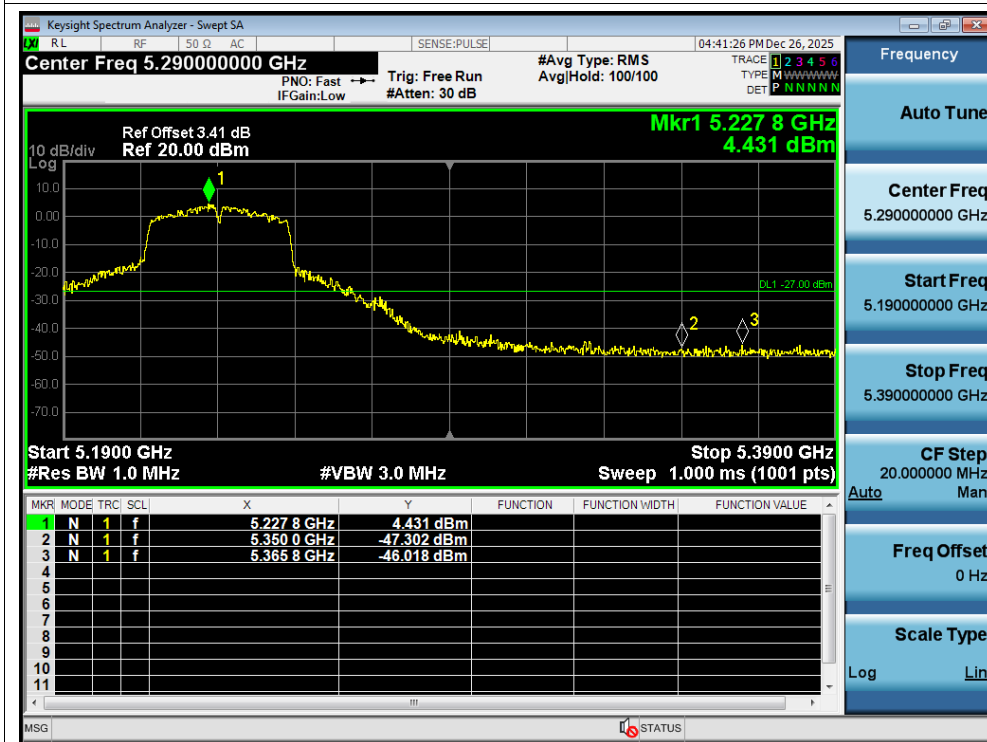
Band Edge NVNT n20 5240MHz High Ant1



Band Edge NVNT n40 5190MHz Low Ant1



Band Edge NVNT n40 5230MHz High Ant1

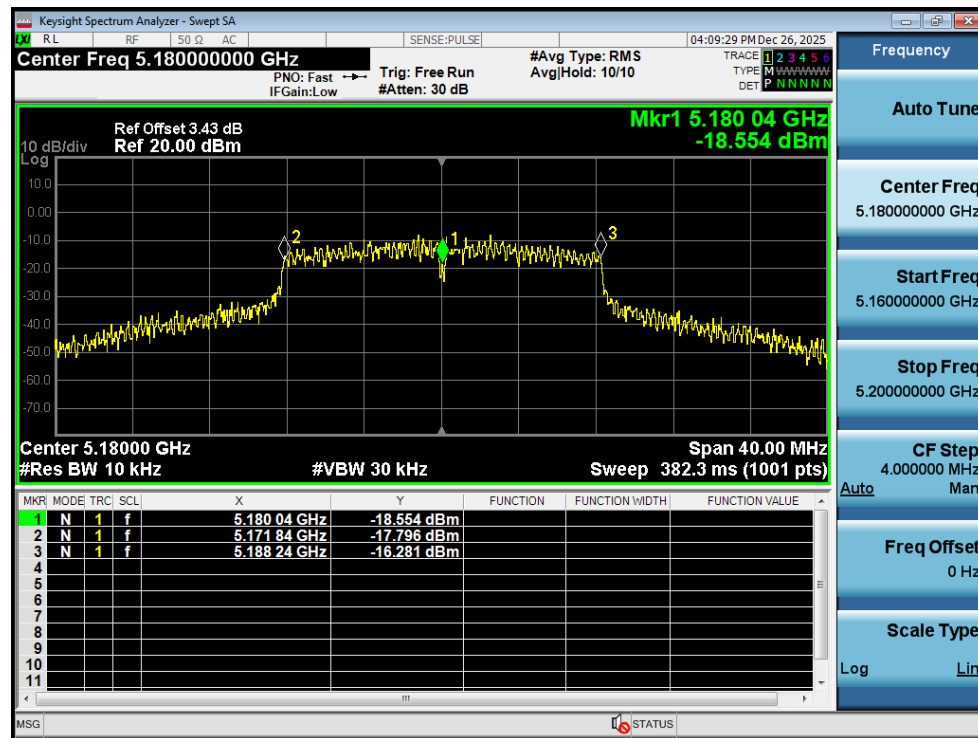


Frequency Stability

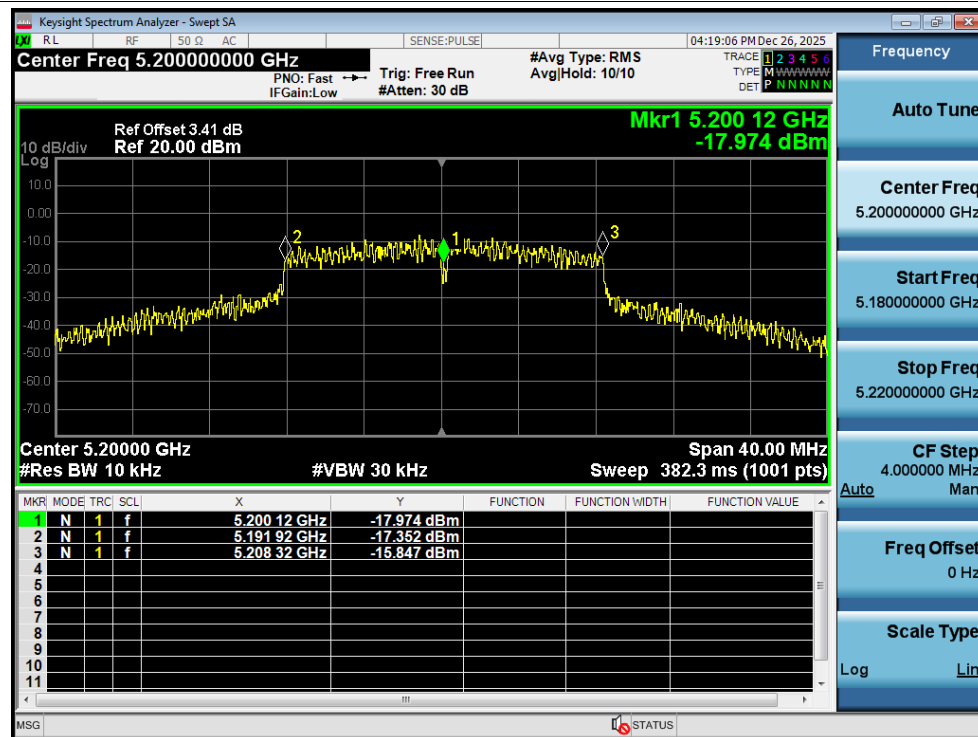
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5180.04	40000	7.72	25	Pass
NVNT	a	5200	Ant1	5200.12	120000	23.08	25	Pass
NVNT	a	5240	Ant1	5240.12	120000	22.9	25	Pass
NVNT	n20	5180	Ant1	5180.12	120000	23.17	25	Pass
NVNT	n20	5200	Ant1	5200.12	120000	23.08	25	Pass
NVNT	n20	5240	Ant1	5240.12	120000	22.9	25	Pass
NVNT	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
NVNT	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass

Test Graphs

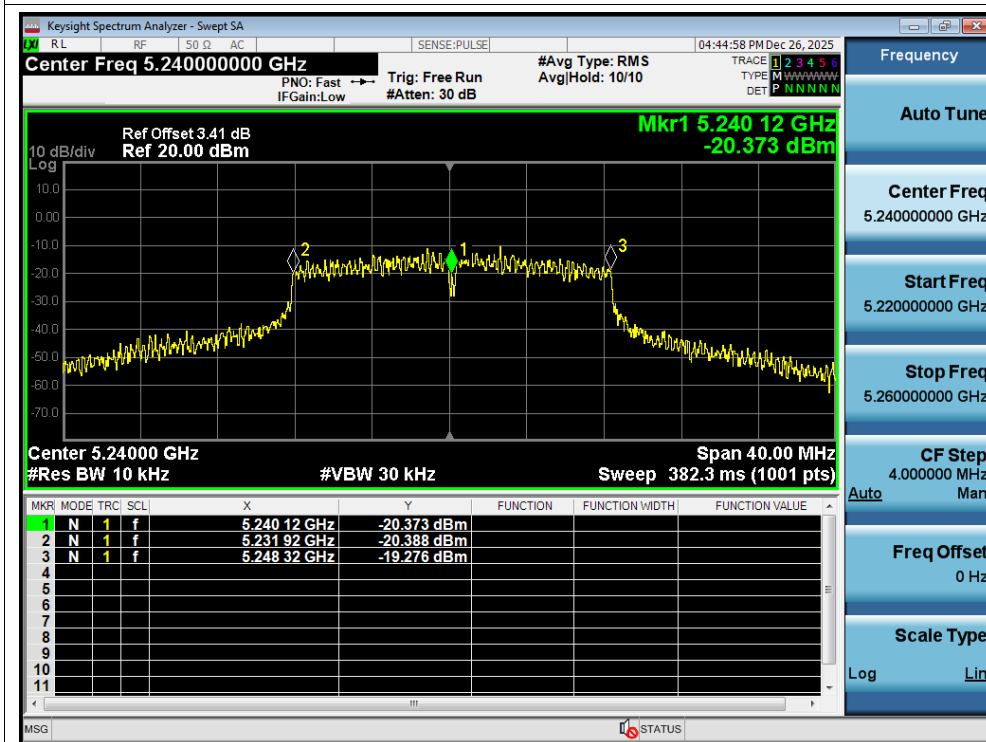
Freq. Stability NVNT a 5180MHz Ant1



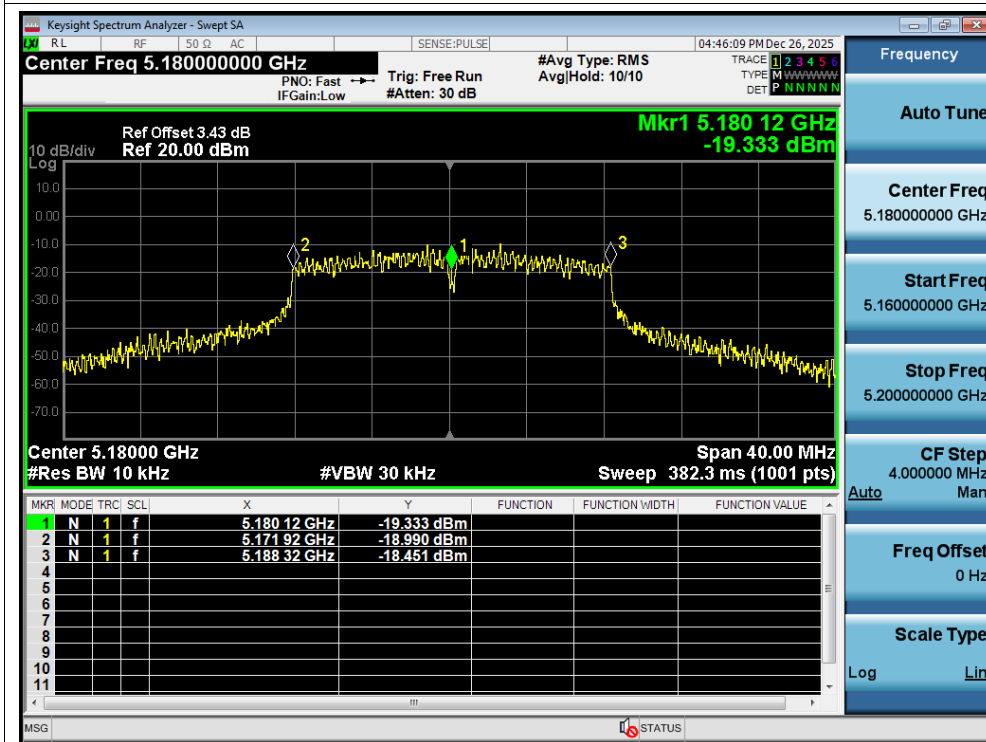
Freq. Stability NVNT a 5200MHz Ant1



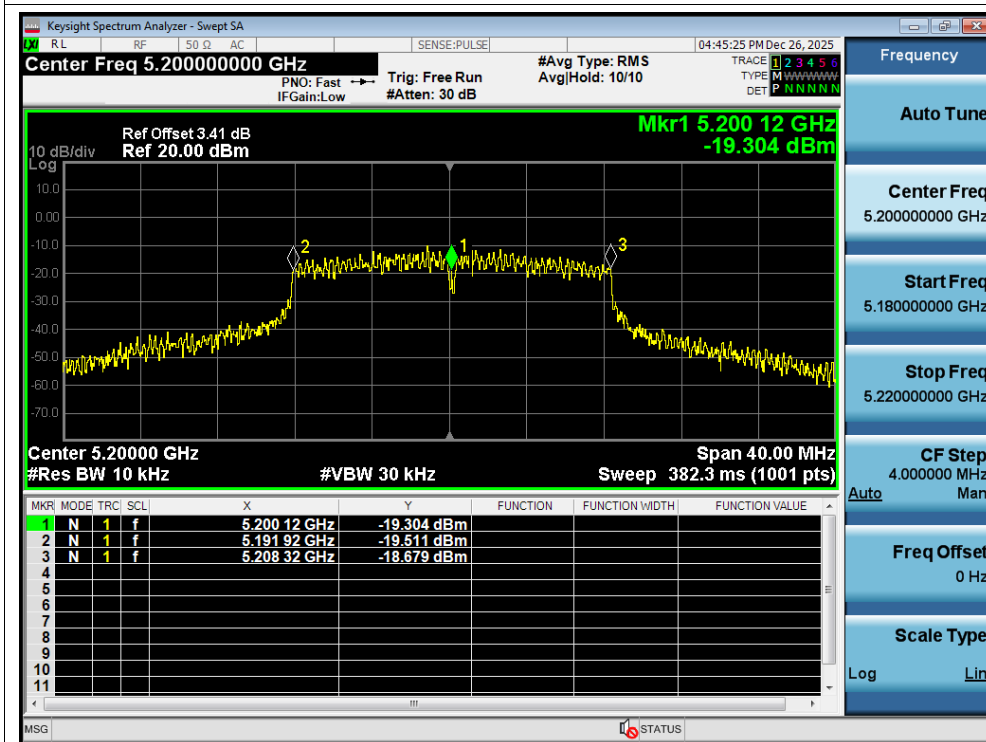
Freq. Stability NVNT a 5240MHz Ant1



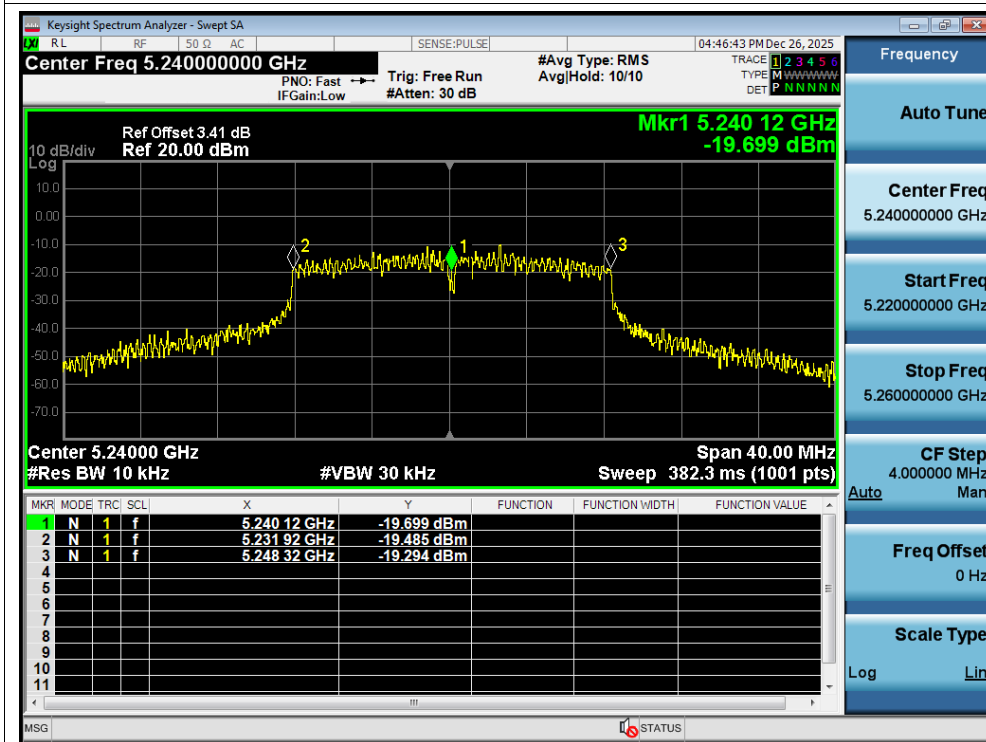
Freq. Stability NVNT n20 5180MHz Ant1



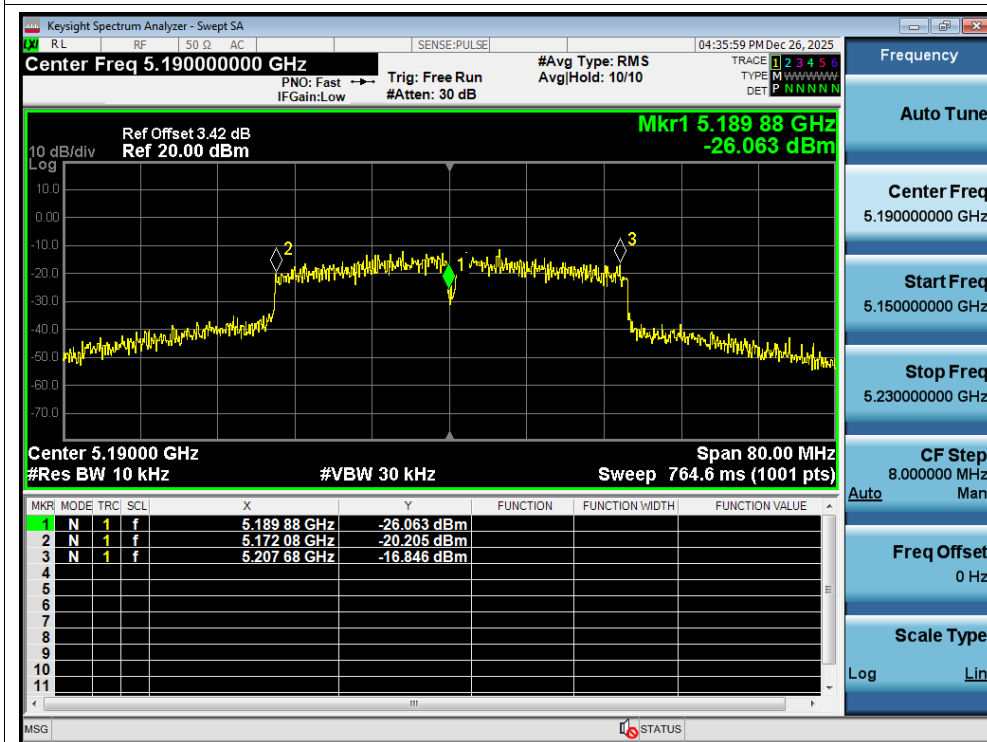
Freq. Stability NVNT n20 5200MHz Ant1



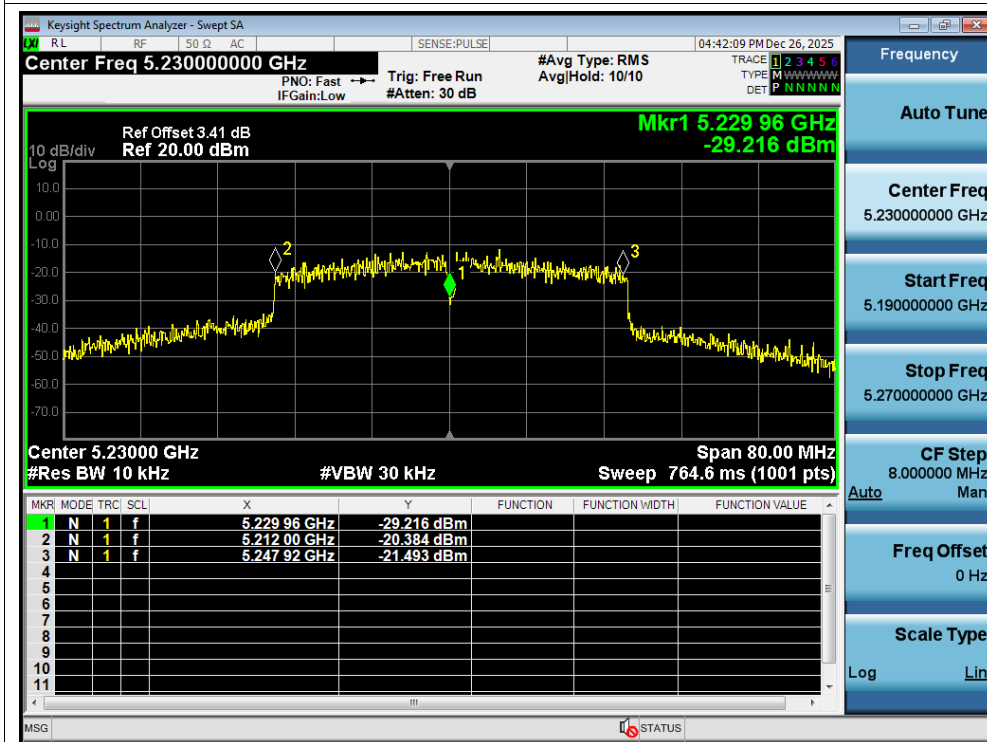
Freq. Stability NVNT n20 5240MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1



Freq. Stability NVNT n40 5230MHz Ant1

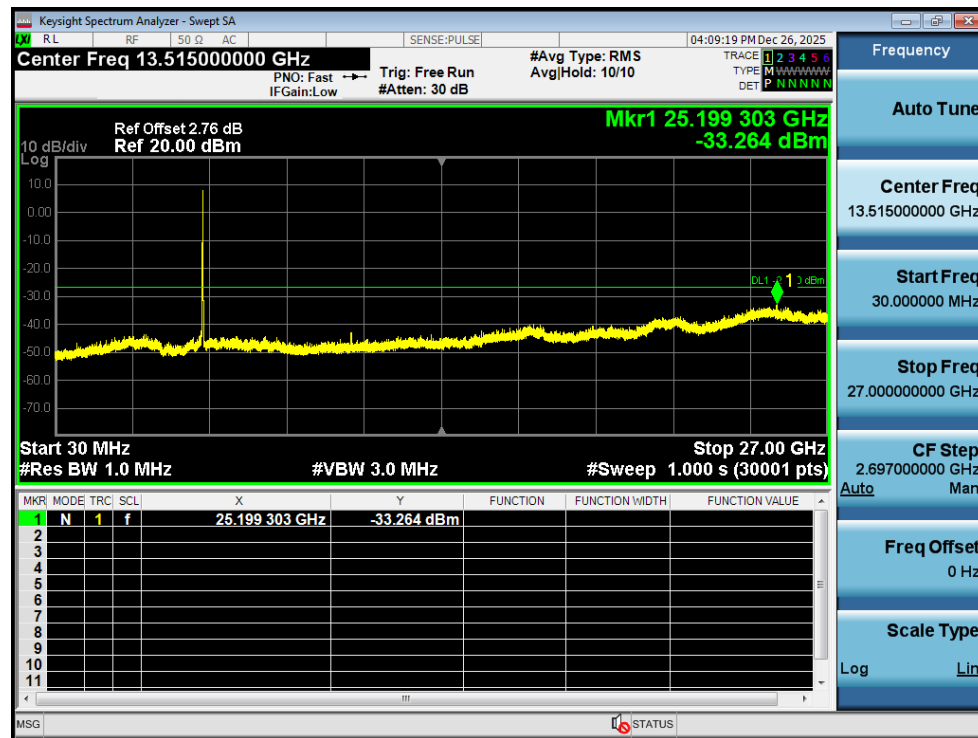


Conducted RF Spurious Emission

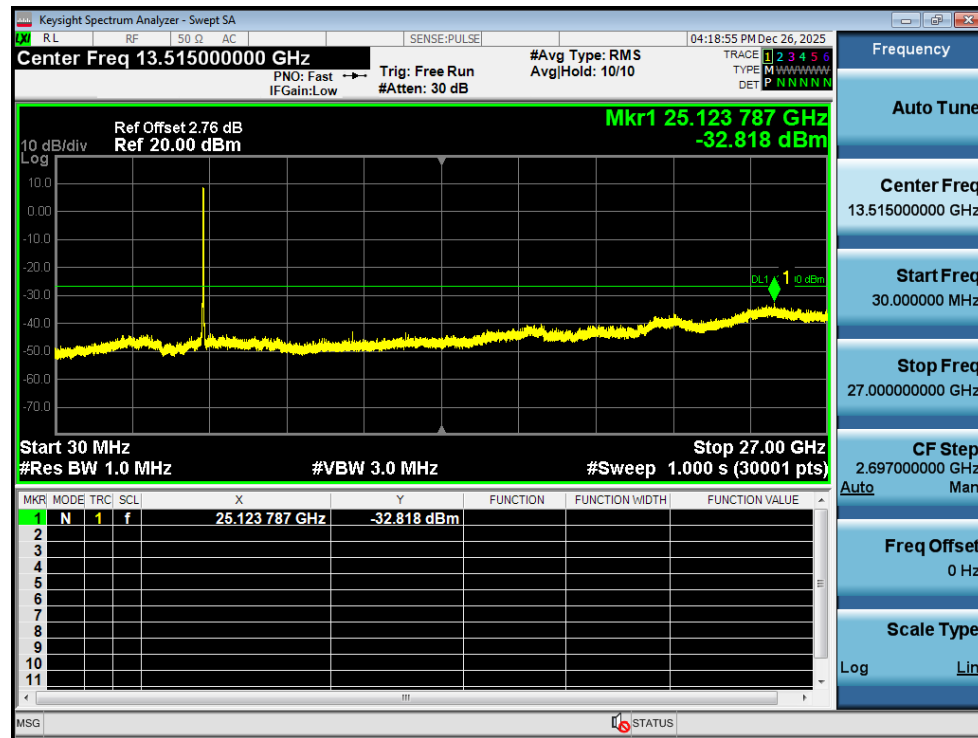
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-33.26	-27	Pass
NVNT	a	5200	Ant1	-32.81	-27	Pass
NVNT	a	5240	Ant1	-33.02	-27	Pass
NVNT	n20	5180	Ant1	-32.95	-27	Pass
NVNT	n20	5200	Ant1	-32	-27	Pass
NVNT	n20	5240	Ant1	-33.73	-27	Pass
NVNT	n40	5190	Ant1	-33.83	-27	Pass
NVNT	n40	5230	Ant1	-33.27	-27	Pass

Test Graphs

Tx. Spurious NVNT a 5180MHz Ant1 Emission



Tx. Spurious NVNT a 5200MHz Ant1 Emission



[illegible]

Tx. Spurious NVNT n20 5180MHz Ant1 Emission

Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE 04:32:55 PM Dec 26, 2025

Center Freq 13.51500000 GHz PNO: Fast Trig: Free Run #Avg Type: RMS #Att: 30 dB Avg|Hold: 10/10

Ref Offset 2.76 dB Ref 20.00 dBm

10 dB/div Log

Mkr1 24.923 310 GHz -32.958 dBm

Start 30 MHz Stop 27.00 GHz

#Res BW 1.0 MHz #VBW 3.0 MHz #Sweep 1.000 s (30001 pts)

Mkr	Mode	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	24.923 310 GHz	-32.958 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq 13.51500000 GHz

Start Freq 30.000000 MHz

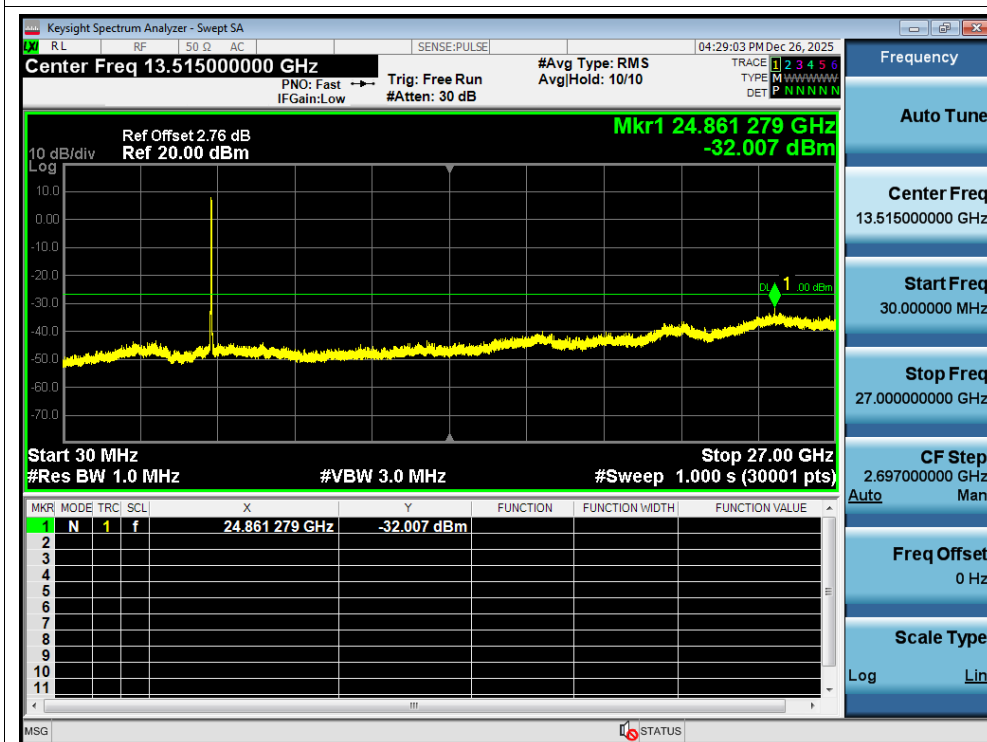
Stop Freq 27.00000000 GHz

CF Step 2.697000000 GHz Man

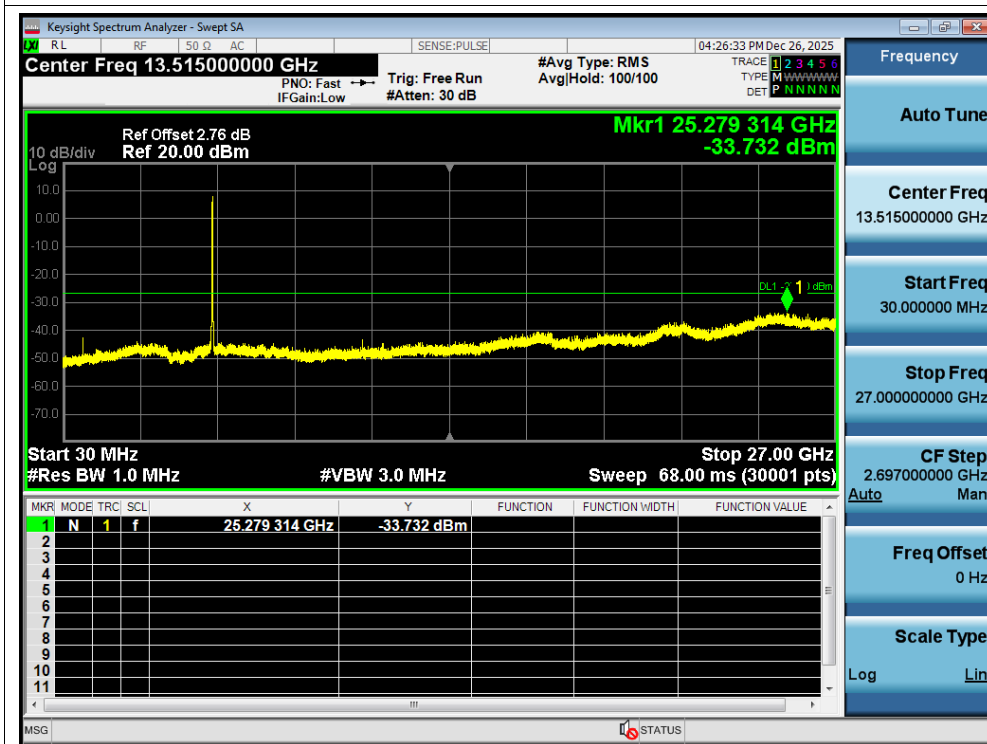
Freq Offset 0 Hz

Scale Type Log Lin

Tx. Spurious NVNT n20 5200MHz Ant1 Emission



Tx. Spurious NVNT n20 5240MHz Ant1 Emission



Keysight Spectrum Analyzer - Sweep SA

RL RF 50 Ω AC SENSE:PULSE 04:35:45 PM Dec 26, 2025

Center Freq 13.51500000 GHz PNO: Fast Trg: Free Run #Avg Type: RMS Avg|Hold: 100/100

IF Gain: Low #Atten: 30 dB TRACE 1 2 3 4 5 6 TYPE M H A W A W P N N N N N N N

Ref Offset 2.76 dB
Ref 20.00 dBm

Mkr1 24.892 744 GHz -33.834 dBm

10 dB/div Log

Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 68.00 ms (30001 pts) Stop 27.00 GHz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	24.892 744 GHz	-33.834 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq 13.51500000 GHz

Start Freq 30.000000 MHz

Stop Freq 27.00000000 GHz

CF Step 2.697000000 GHz Man

Auto

Freq Offset 0 Hz

Scale Type Log Lin

[illegible]