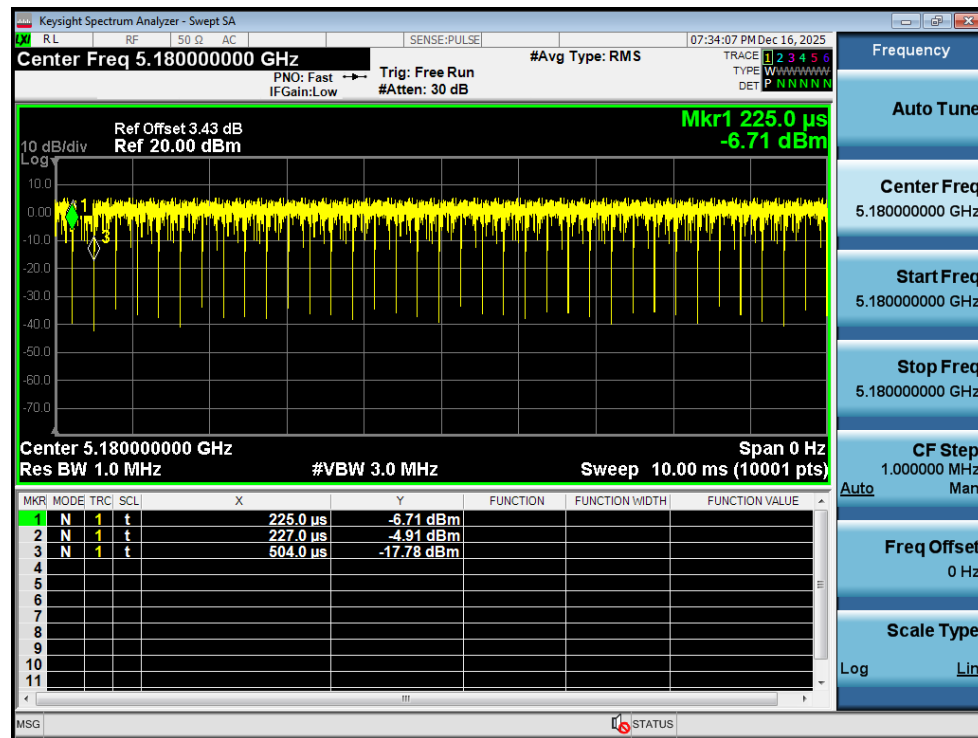


Duty Cycle

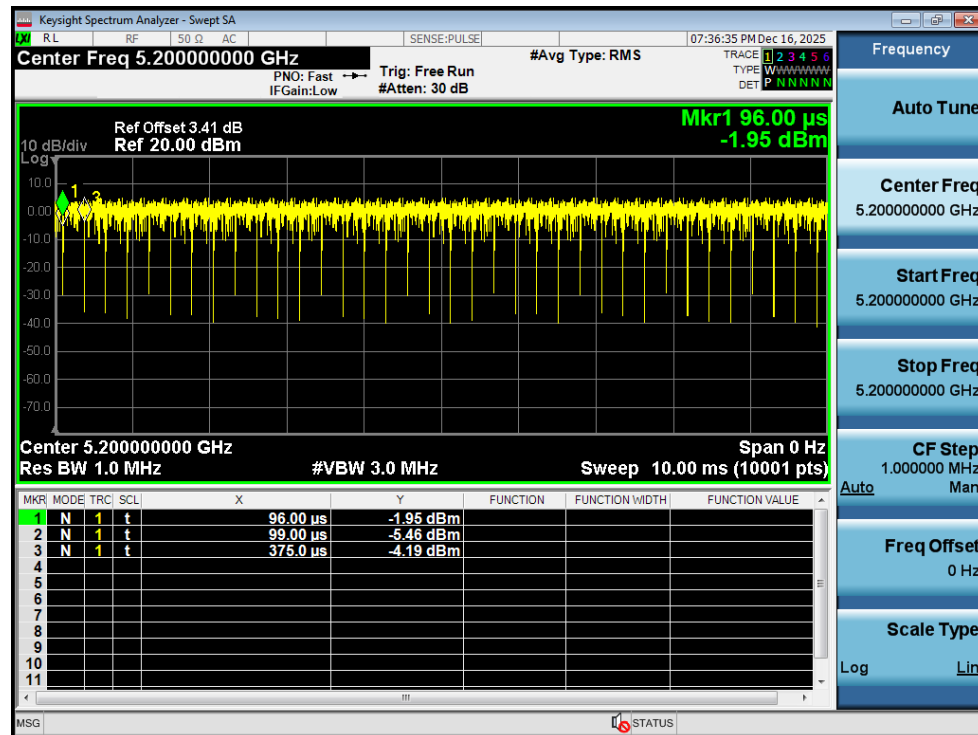
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	99.28	0	3.61
NVNT	a	5200	Ant1	98.92	0	3.62
NVNT	a	5240	Ant1	99.28	0	3.61
NVNT	n20	5180	Ant1	98.98	0	3.42
NVNT	n20	5200	Ant1	99.32	0	3.42
NVNT	n20	5240	Ant1	99.32	0	3.41
NVNT	n40	5190	Ant1	100	0	0
NVNT	n40	5230	Ant1	99.99	0	0

Test Graphs

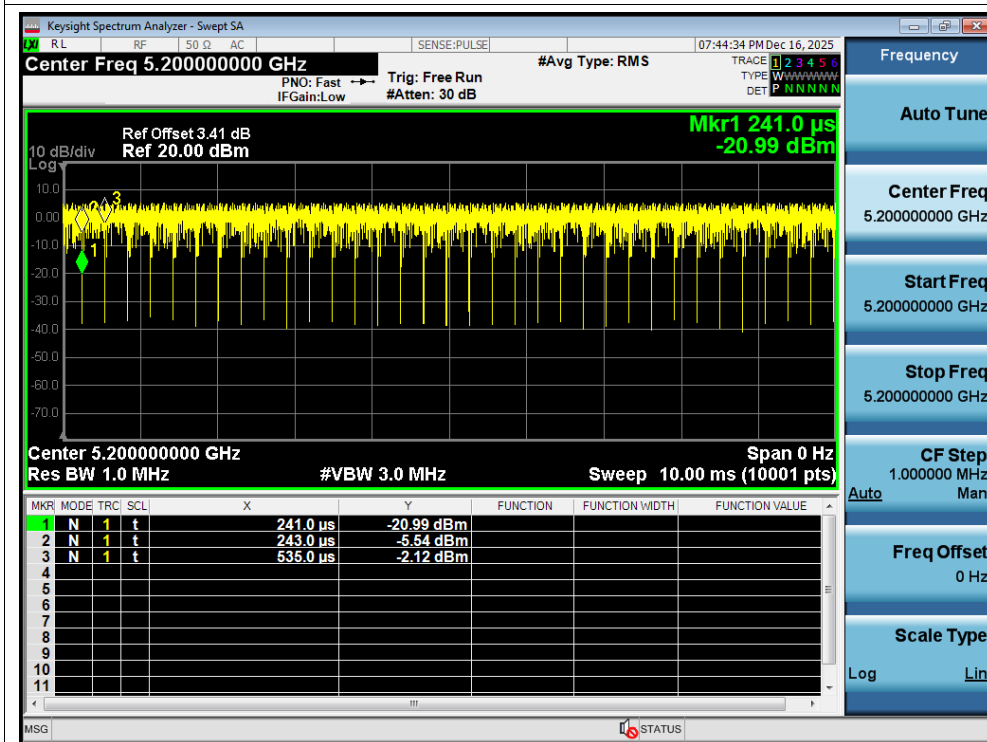
Duty Cycle NVNT a 5180MHz Ant1



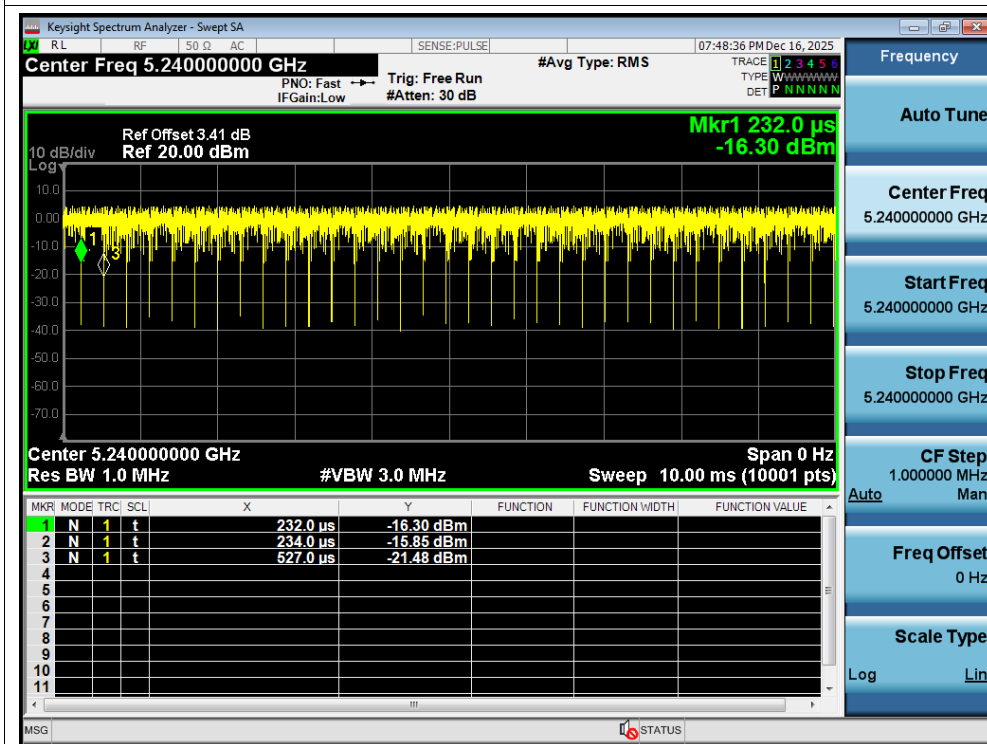
Duty Cycle NVNT a 5200MHz Ant1

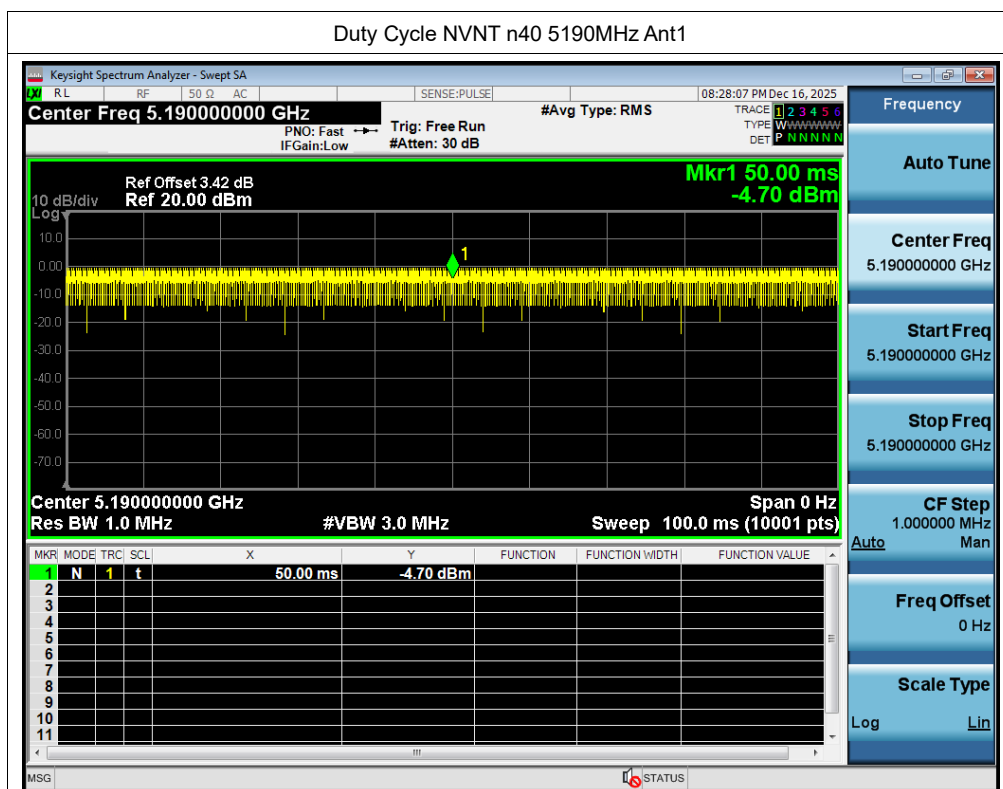


Duty Cycle NVNT n20 5200MHz Ant1

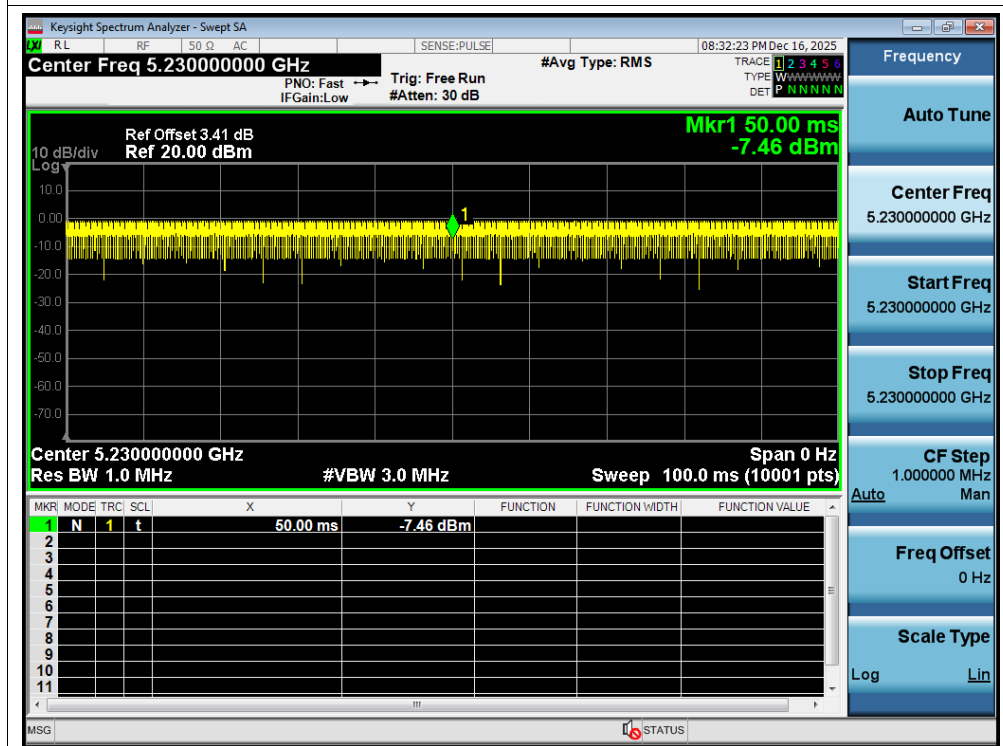


Duty Cycle NVNT n20 5240MHz Ant1





Duty Cycle NVNT n40 5230MHz Ant1

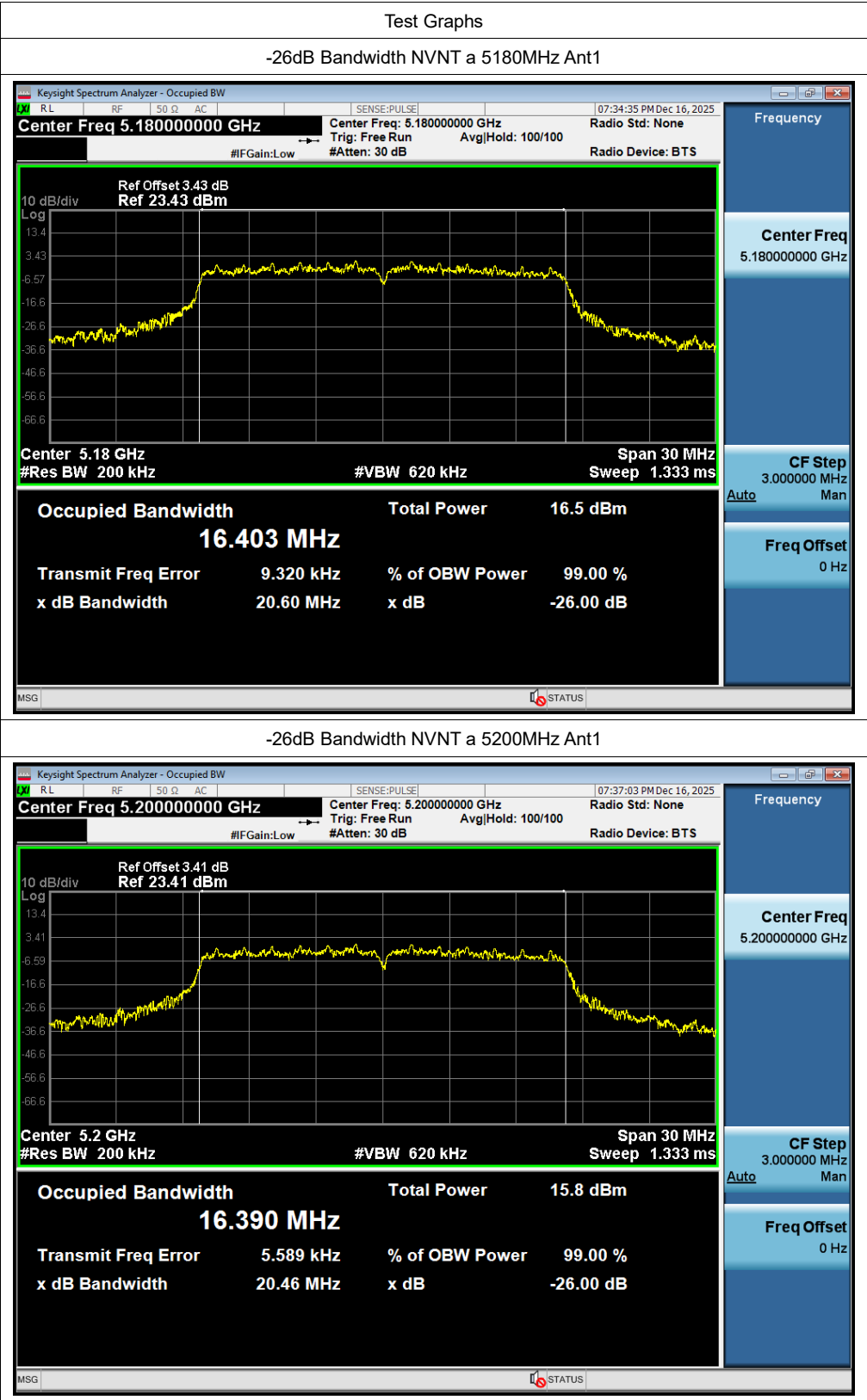


Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.81	24	Pass
NVNT	a	5200	Ant1	10.2	24	Pass
NVNT	a	5240	Ant1	9.45	24	Pass
NVNT	n20	5180	Ant1	10.87	24	Pass
NVNT	n20	5200	Ant1	10.1	24	Pass
NVNT	n20	5240	Ant1	9.27	24	Pass
NVNT	n40	5190	Ant1	9.82	24	Pass
NVNT	n40	5230	Ant1	9.46	24	Pass

-26dB Bandwidth

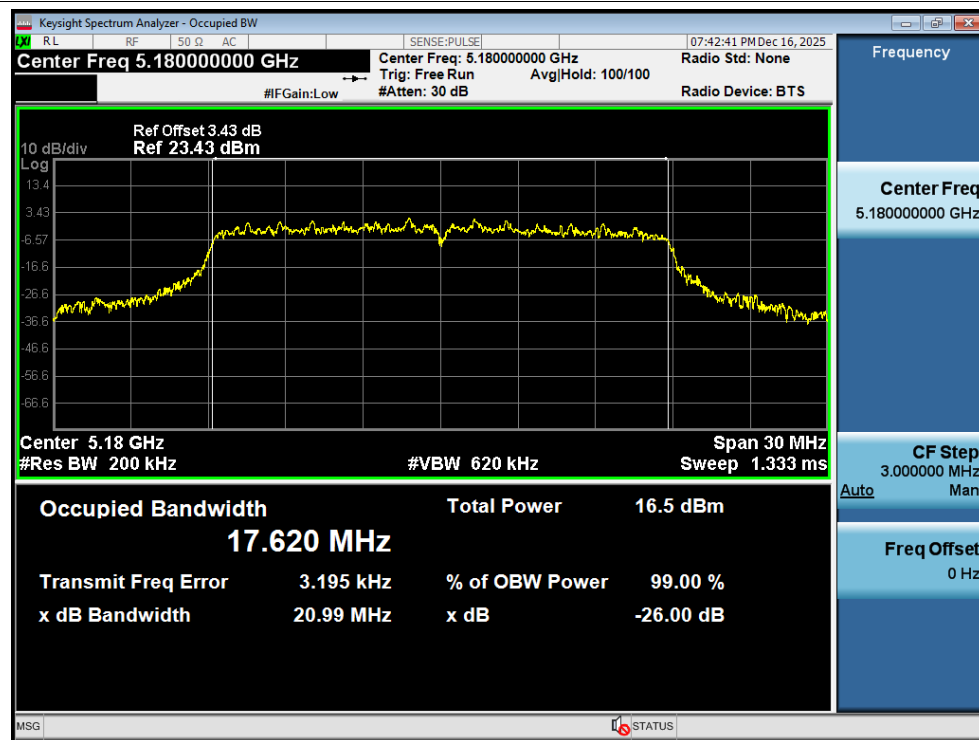
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.605	0.5	Pass
NVNT	a	5200	Ant1	20.459	0.5	Pass
NVNT	a	5240	Ant1	20.547	0.5	Pass
NVNT	n20	5180	Ant1	20.994	0.5	Pass
NVNT	n20	5200	Ant1	21.222	0.5	Pass
NVNT	n20	5240	Ant1	21.176	0.5	Pass
NVNT	n40	5190	Ant1	42.616	0.5	Pass
NVNT	n40	5230	Ant1	47.793	0.5	Pass



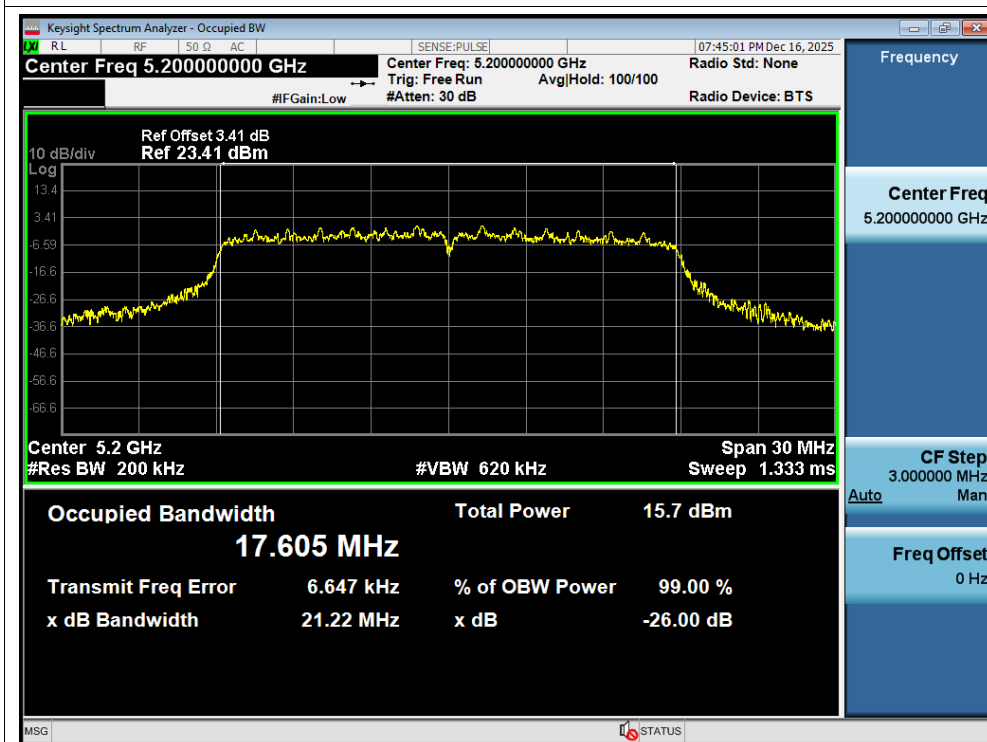
-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1

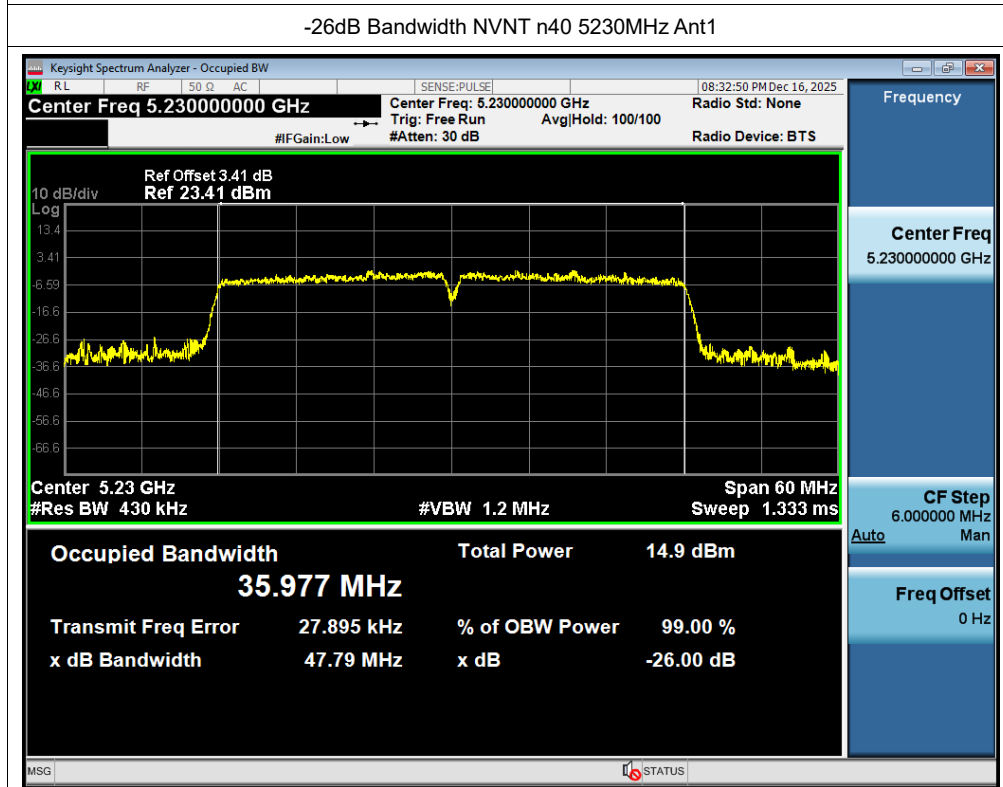
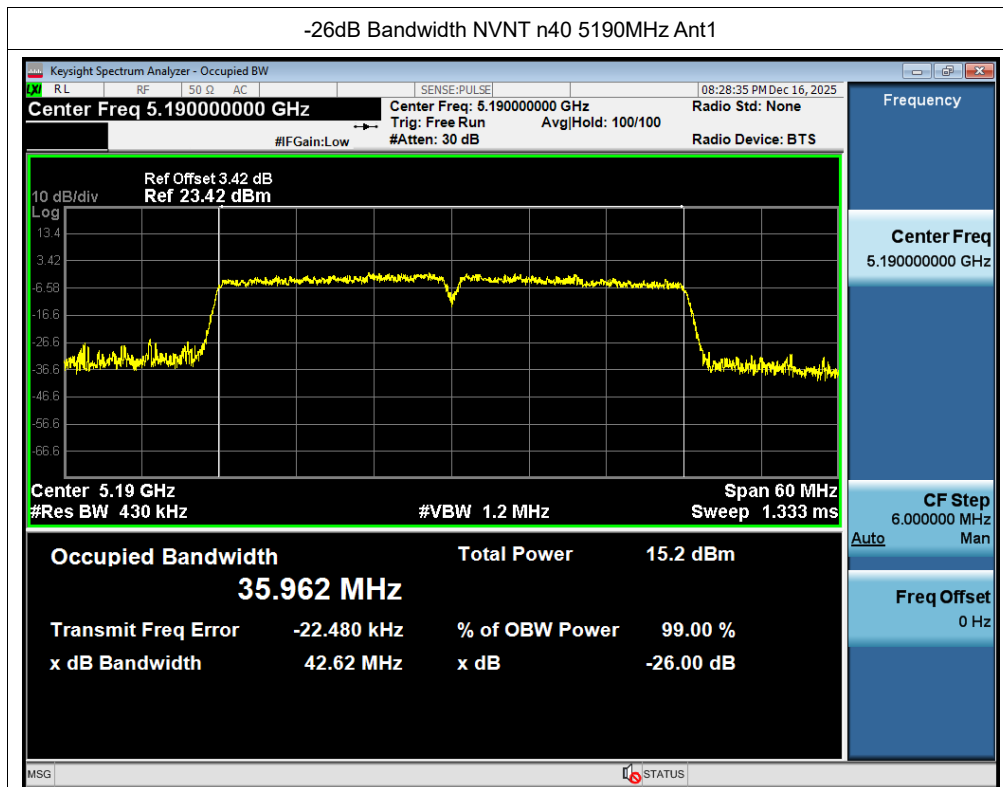


-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1





Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.411
NVNT	a	5200	Ant1	16.403
NVNT	a	5240	Ant1	16.408
NVNT	n20	5180	Ant1	17.61
NVNT	n20	5200	Ant1	17.611
NVNT	n20	5240	Ant1	17.611
NVNT	n40	5190	Ant1	35.963
NVNT	n40	5230	Ant1	35.998

Test Graphs

OBW NVNT a 5180MHz Ant1



OBW NVNT a 5200MHz Ant1



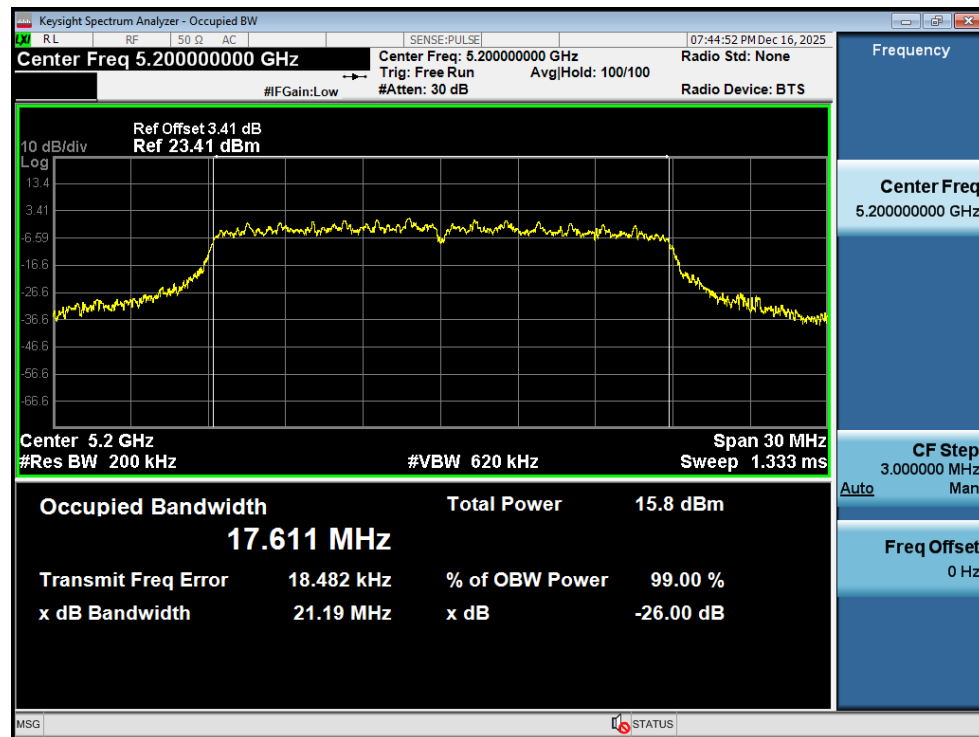
OBW NVNT a 5240MHz Ant1



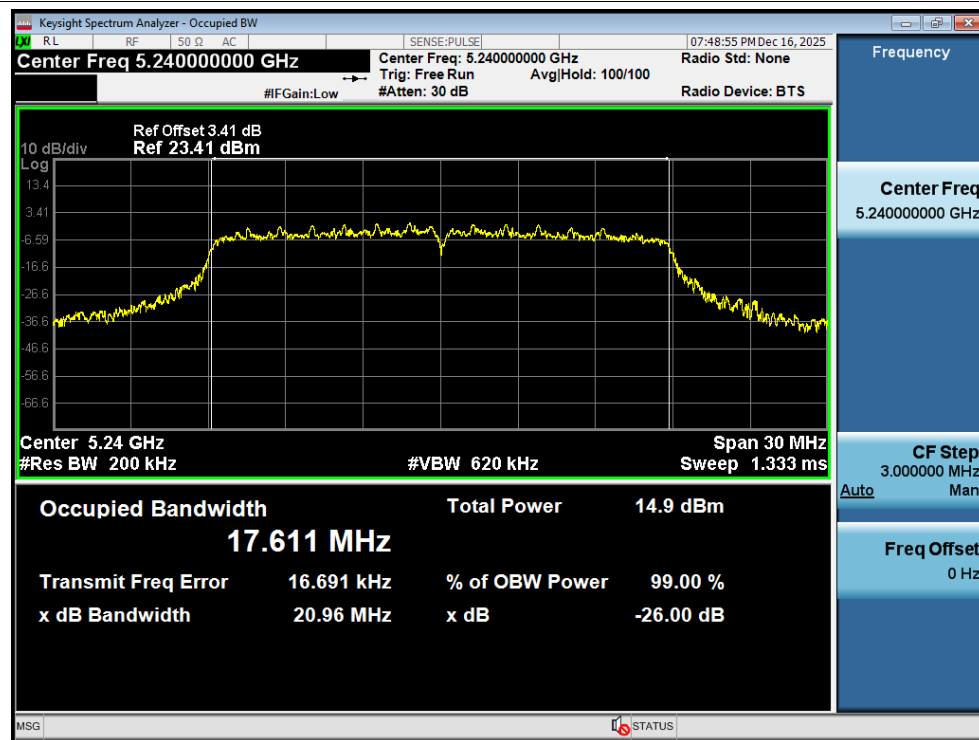
OBW NVNT n20 5180MHz Ant1



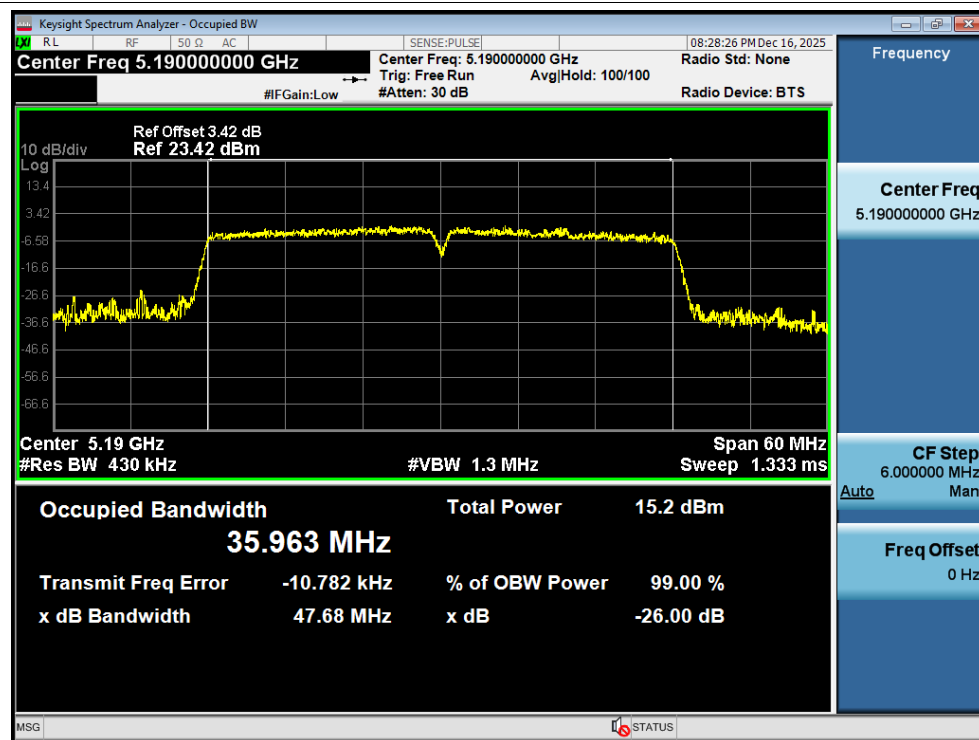
OBW NVNT n20 5200MHz Ant1



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	0.11	0	0.11	11	Pass
NVNT	a	5200	Ant1	-0.63	0	-0.63	11	Pass
NVNT	a	5240	Ant1	-1.41	0	-1.41	11	Pass
NVNT	n20	5180	Ant1	0.03	0	0.03	11	Pass
NVNT	n20	5200	Ant1	-0.81	0	-0.81	11	Pass
NVNT	n20	5240	Ant1	-1.53	0	-1.53	11	Pass
NVNT	n40	5190	Ant1	-3.33	0	-3.33	11	Pass
NVNT	n40	5230	Ant1	-1.55	0	-1.55	11	Pass

Test Graphs

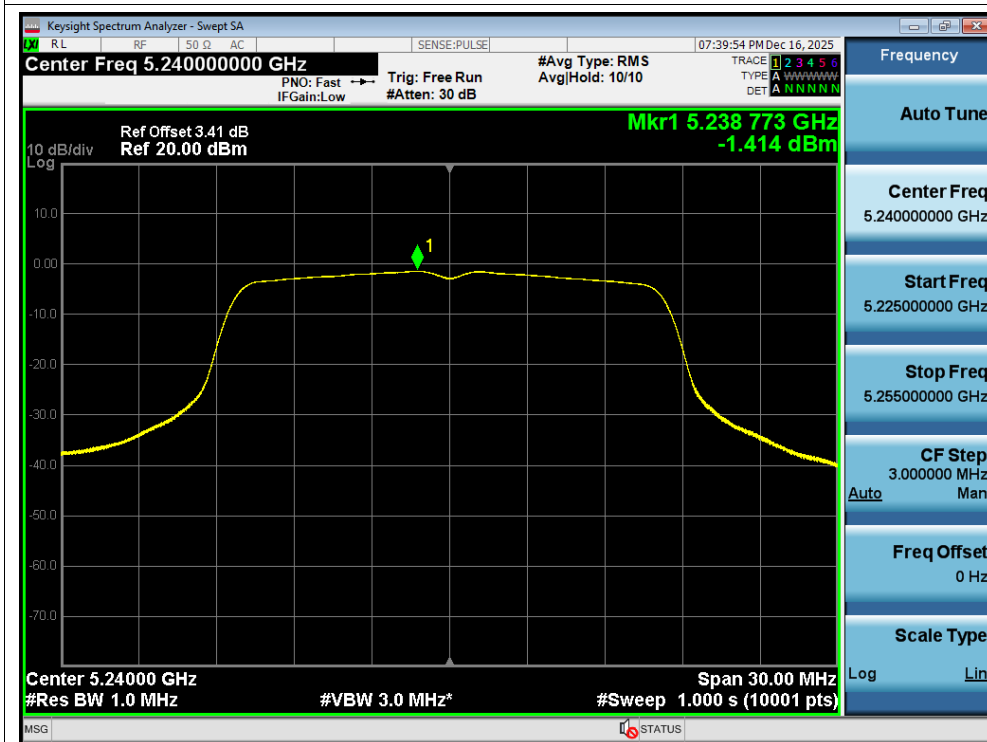
PSD NVNT a 5180MHz Ant1



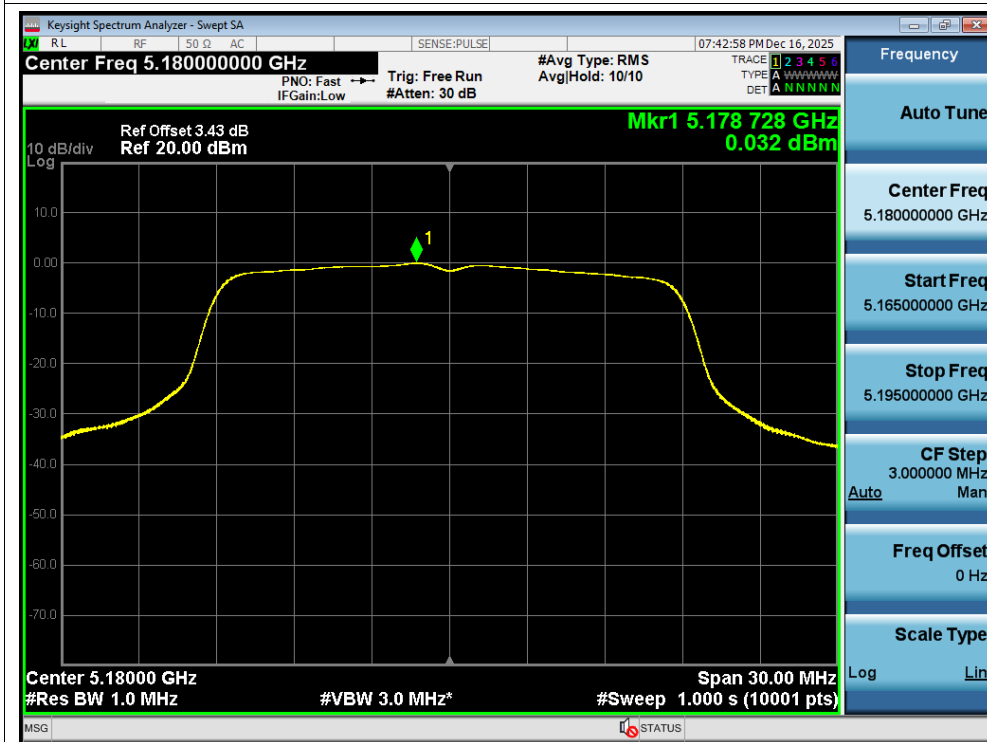
PSD NVNT a 5200MHz Ant1

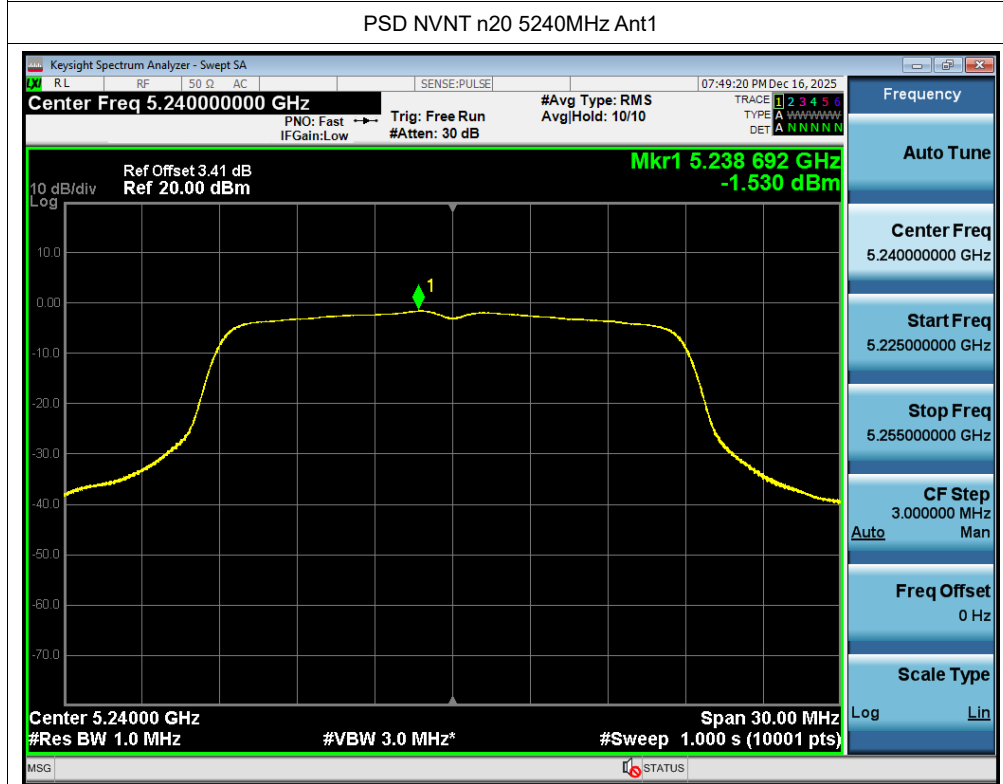
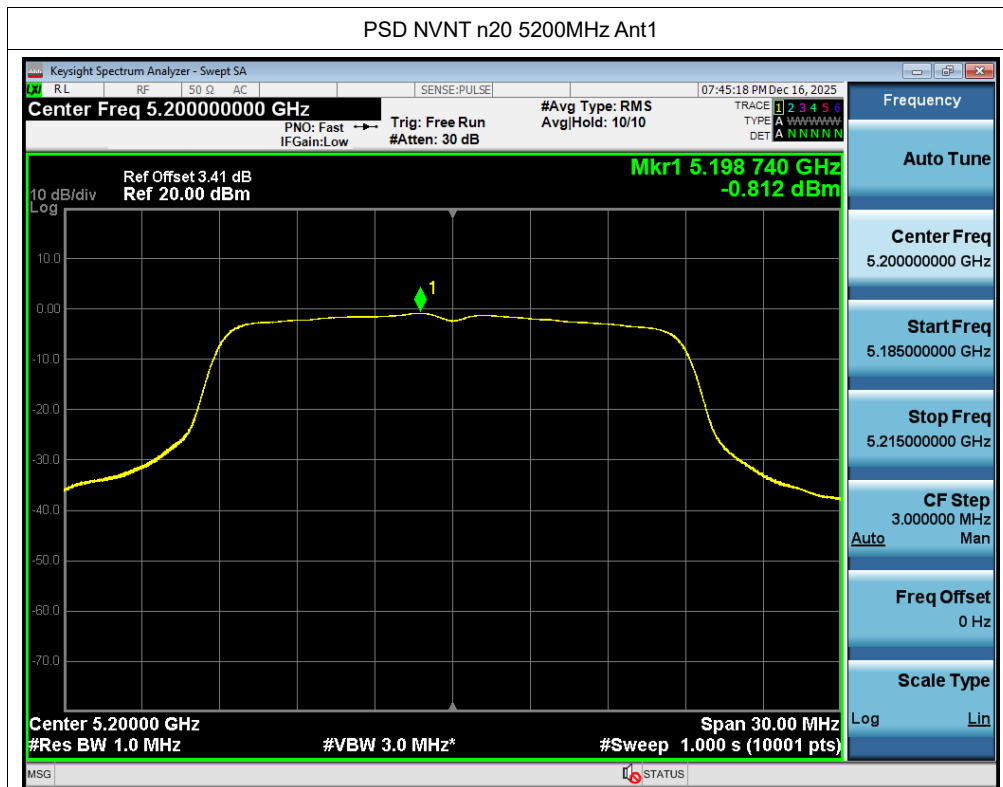


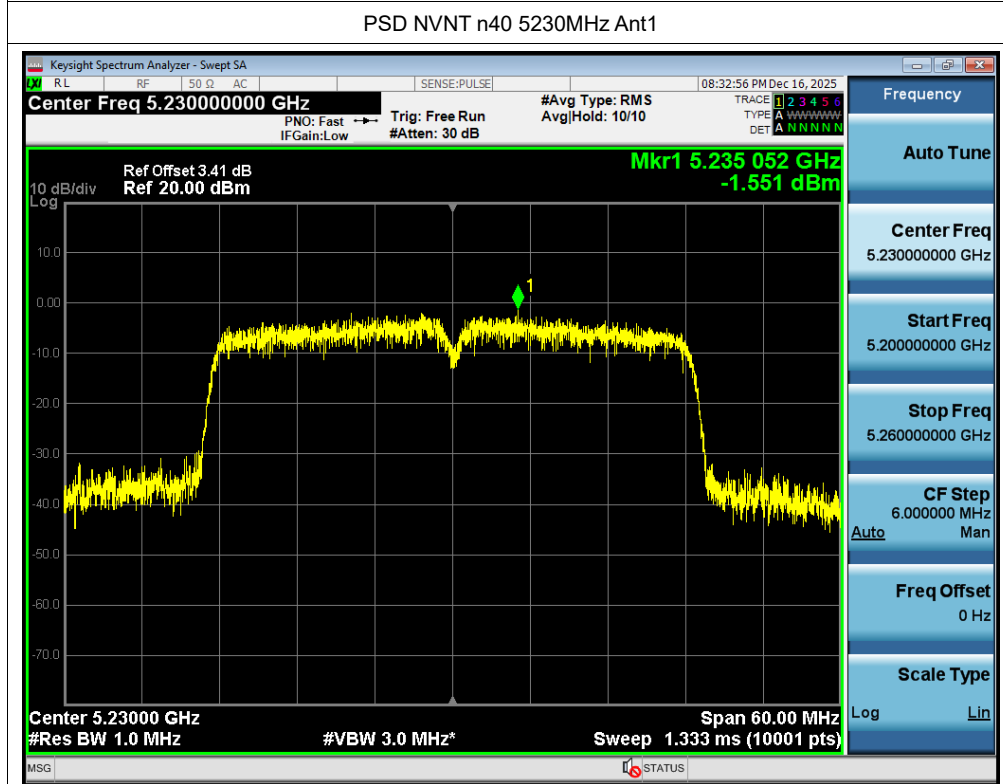
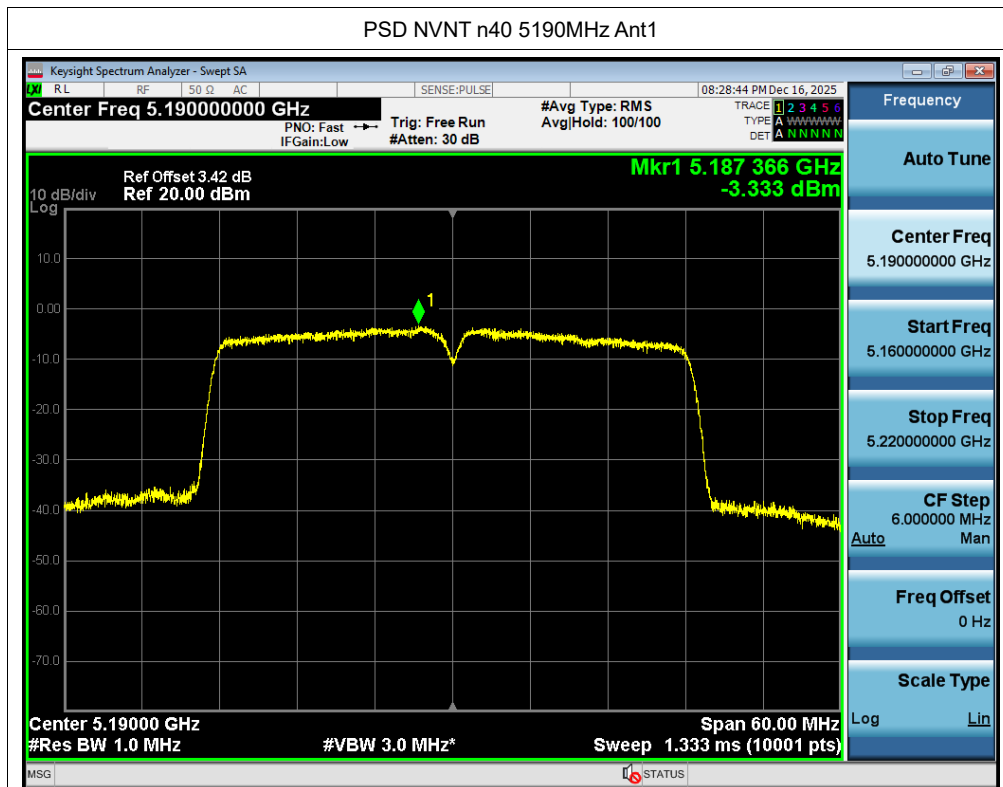
PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1





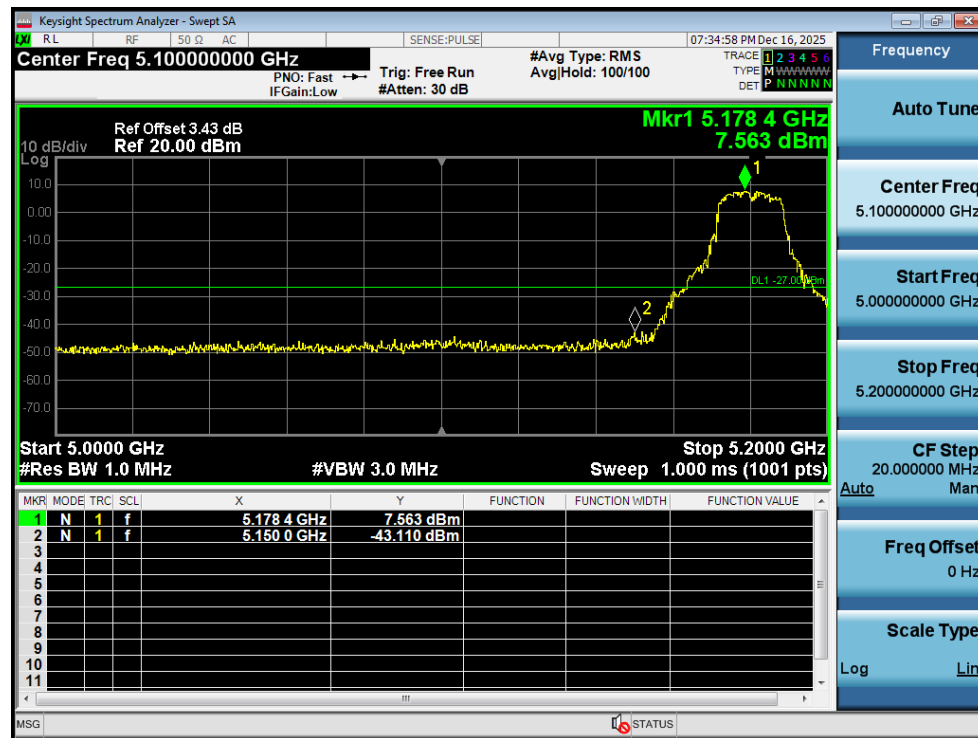


Band Edge

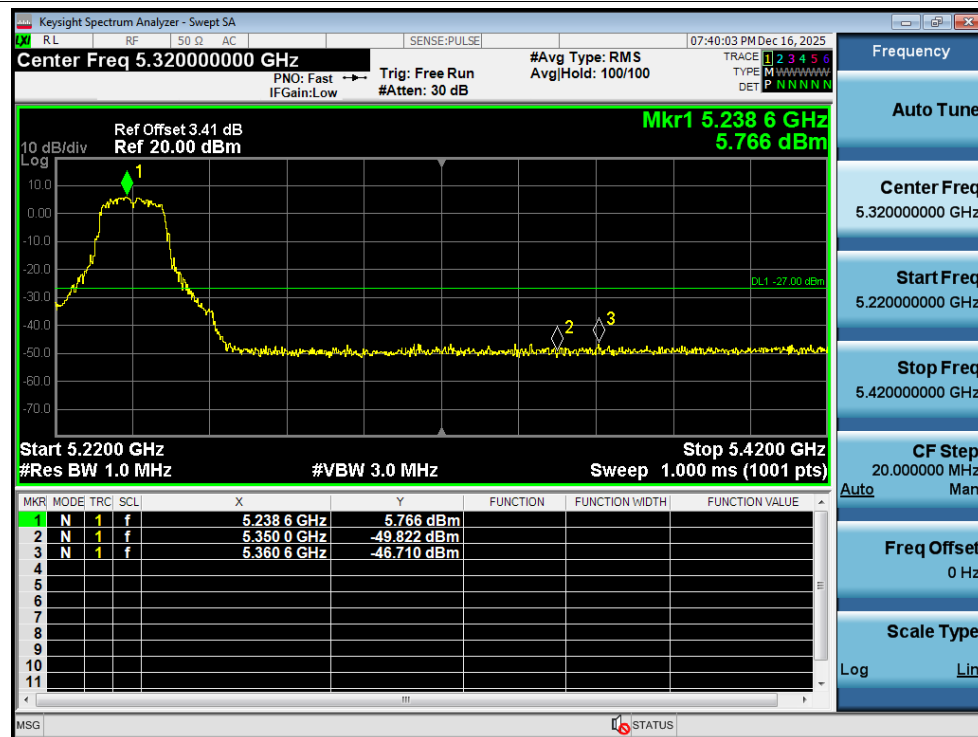
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-43.1	-27	Pass
NVNT	a	5240	Ant1	-46.71	-27	Pass
NVNT	n20	5180	Ant1	-44.96	-27	Pass
NVNT	n20	5240	Ant1	-46.19	-27	Pass
NVNT	n40	5190	Ant1	-29.35	-27	Pass
NVNT	n40	5230	Ant1	-46.93	-27	Pass

Test Graphs

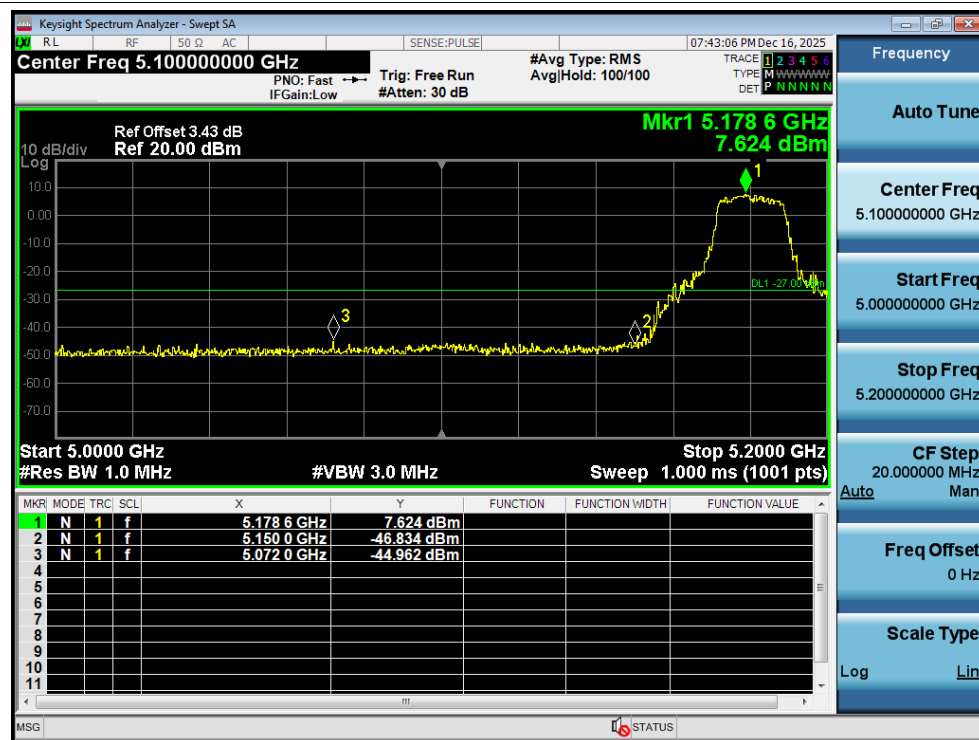
Band Edge NVNT a 5180MHz Low Ant1



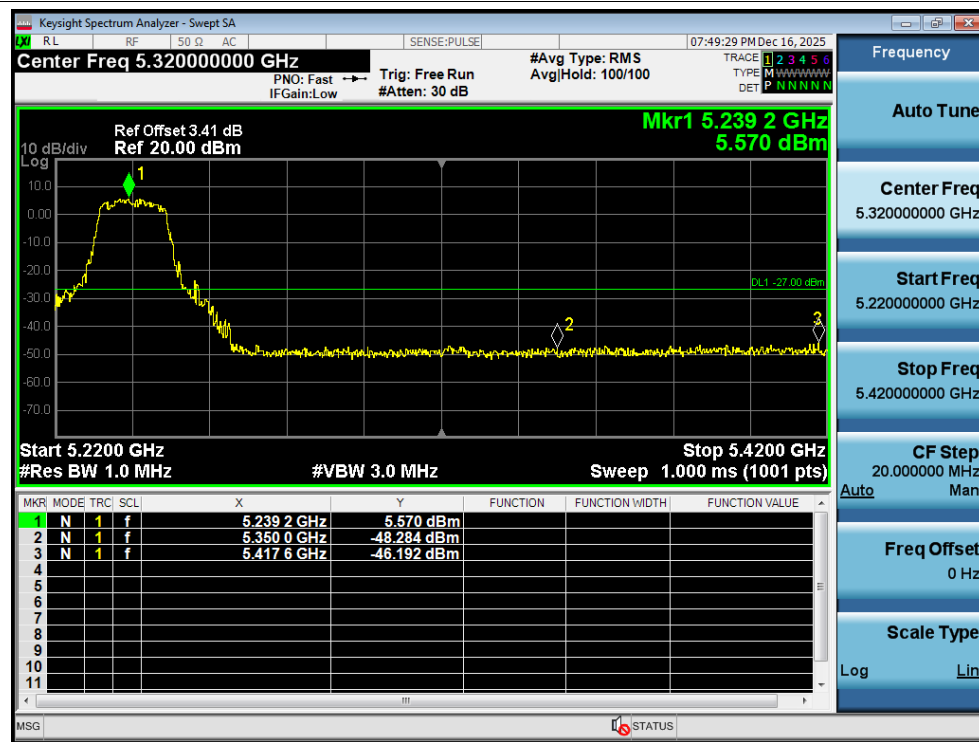
Band Edge NVNT a 5240MHz High Ant1



Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5240MHz High Ant1

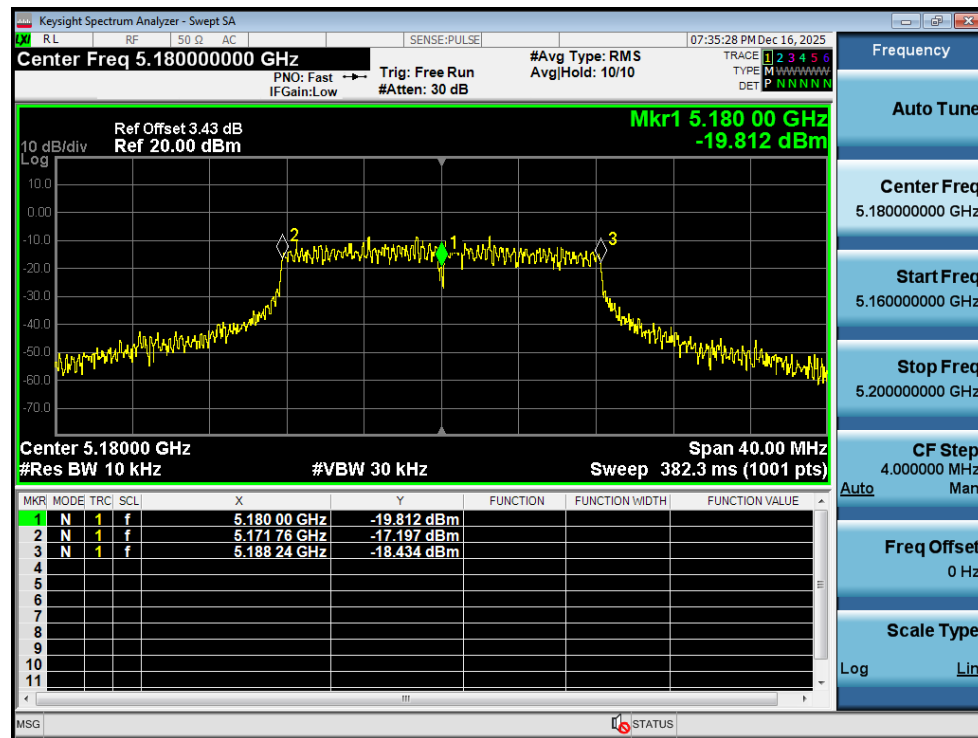


Frequency Stability

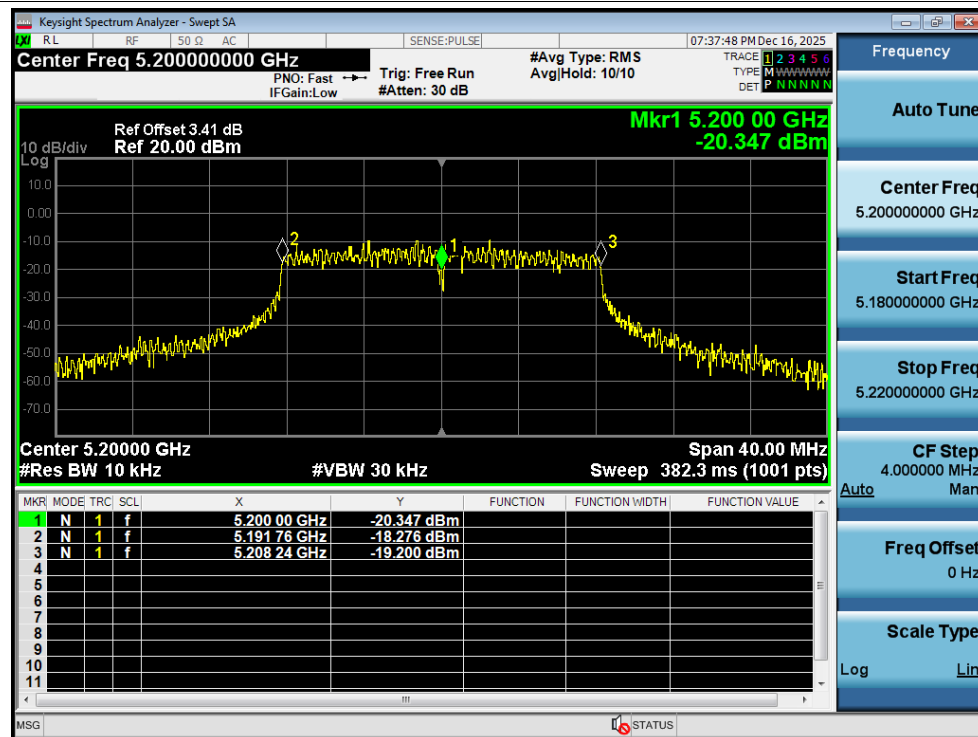
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5180	0	0	25	Pass
NVNT	a	5200	Ant1	5200	0	0	25	Pass
NVNT	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
NVNT	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
NVNT	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant1	5230	0	0	25	Pass

Test Graphs

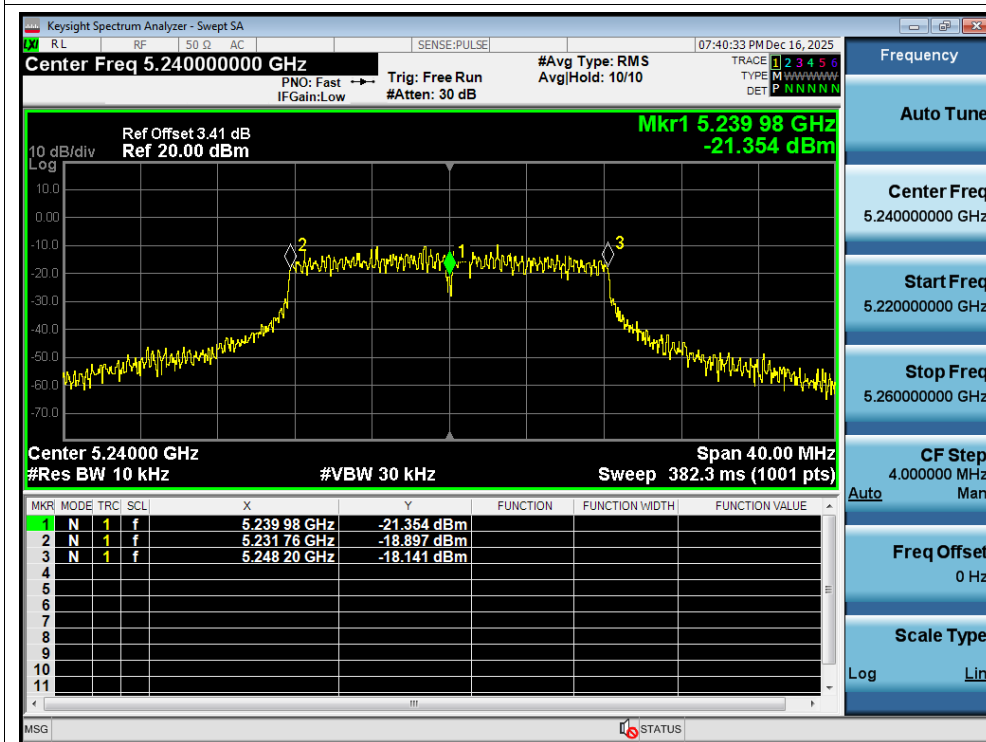
Freq. Stability NVNT a 5180MHz Ant1



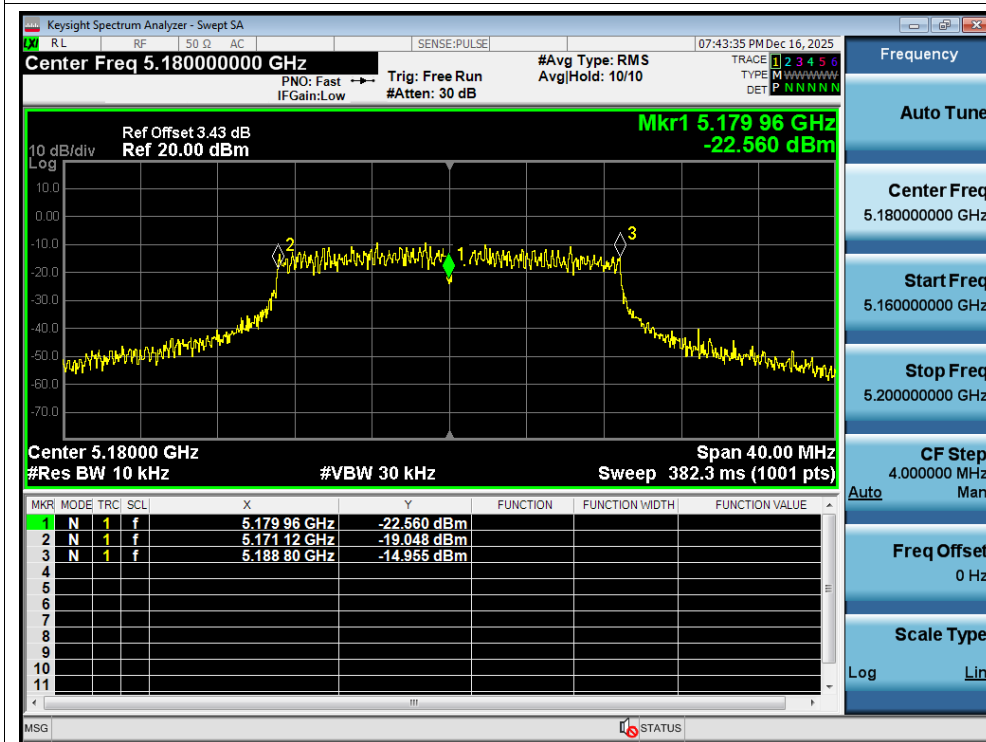
Freq. Stability NVNT a 5200MHz Ant1



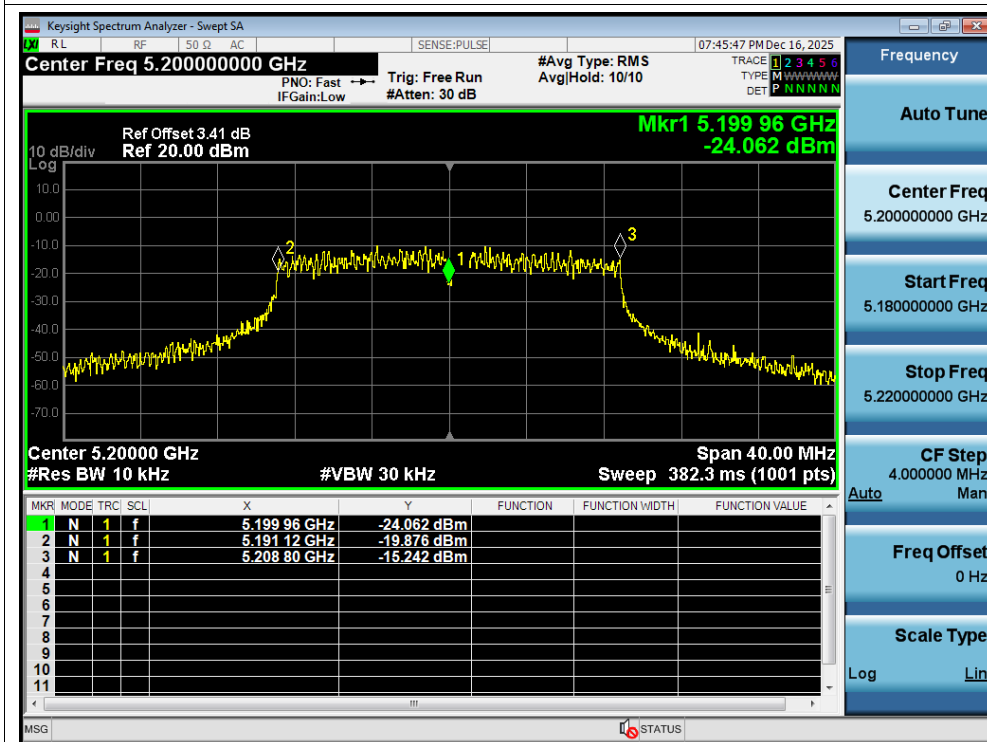
Freq. Stability NVNT a 5240MHz Ant1



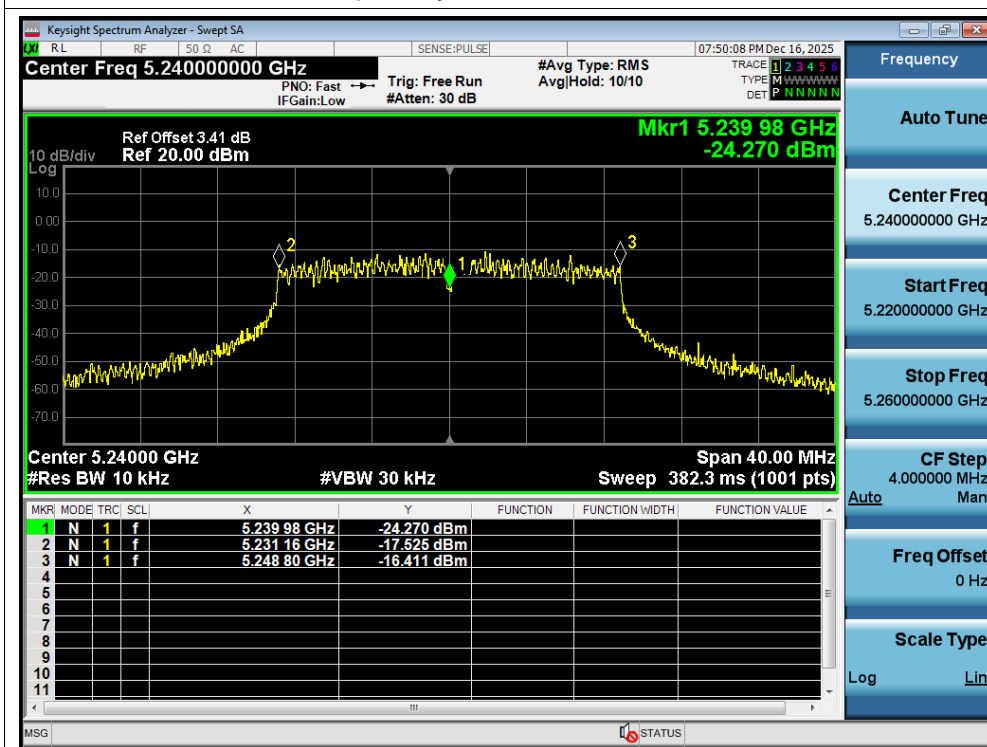
Freq. Stability NVNT n20 5180MHz Ant1



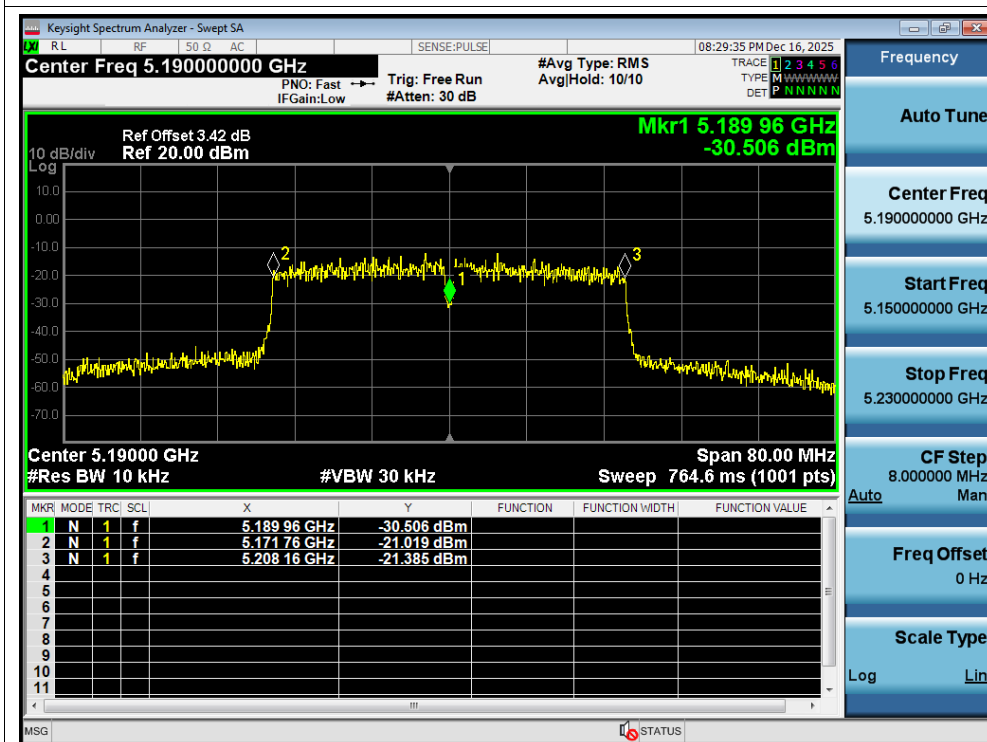
Freq. Stability NVNT n20 5200MHz Ant1



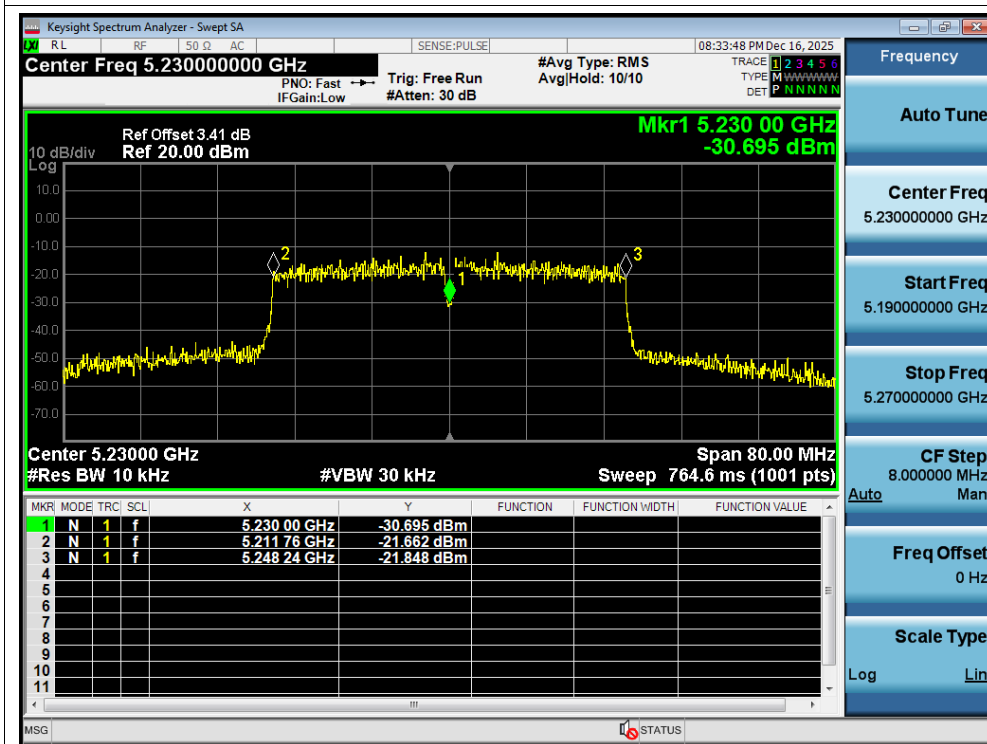
Freq. Stability NVNT n20 5240MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1



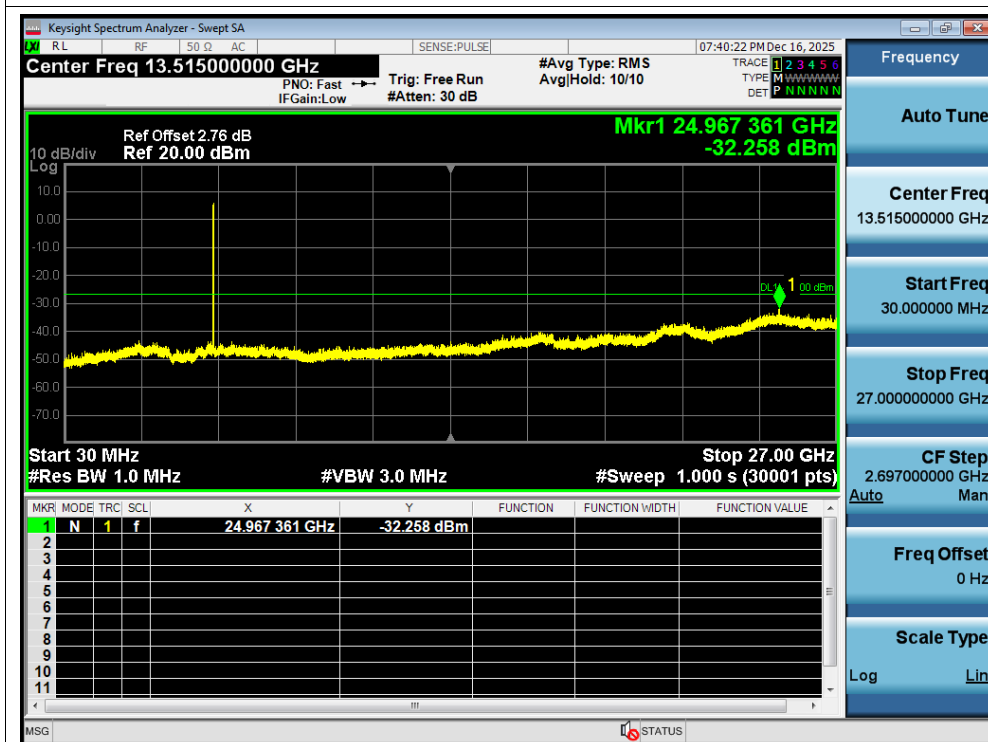
Freq. Stability NVNT n40 5230MHz Ant1



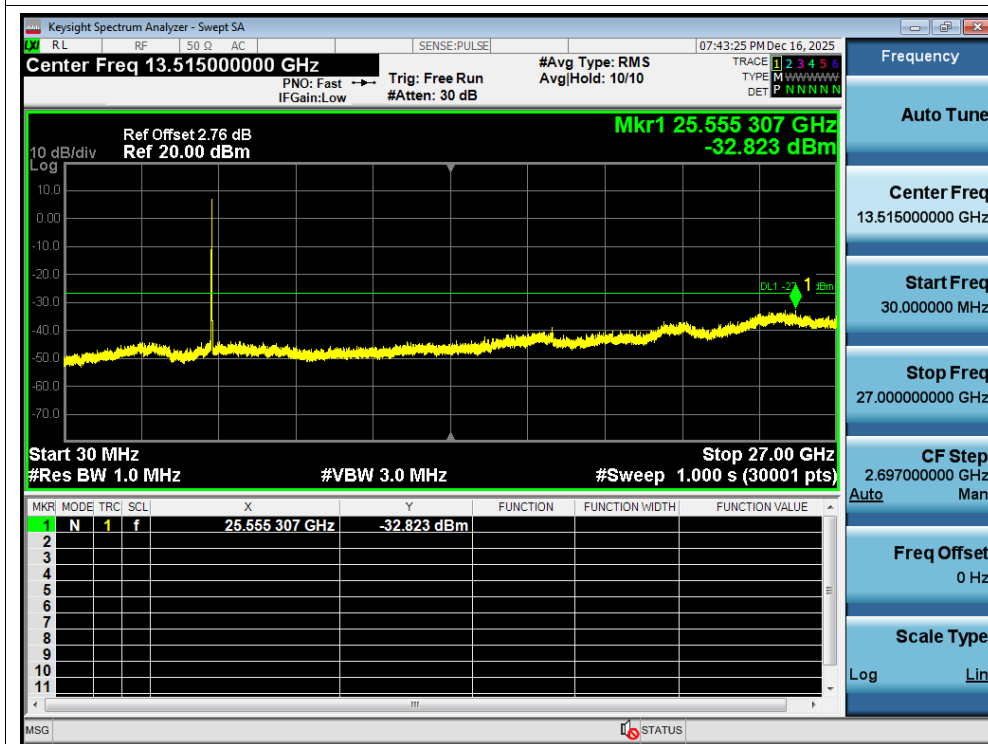
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-33.32	-27	Pass
NVNT	a	5200	Ant1	-32.72	-27	Pass
NVNT	a	5240	Ant1	-32.25	-27	Pass
NVNT	n20	5180	Ant1	-32.82	-27	Pass
NVNT	n20	5200	Ant1	-33.09	-27	Pass
NVNT	n20	5240	Ant1	-32.78	-27	Pass
NVNT	n40	5190	Ant1	-33.2	-27	Pass
NVNT	n40	5230	Ant1	-33.49	-27	Pass

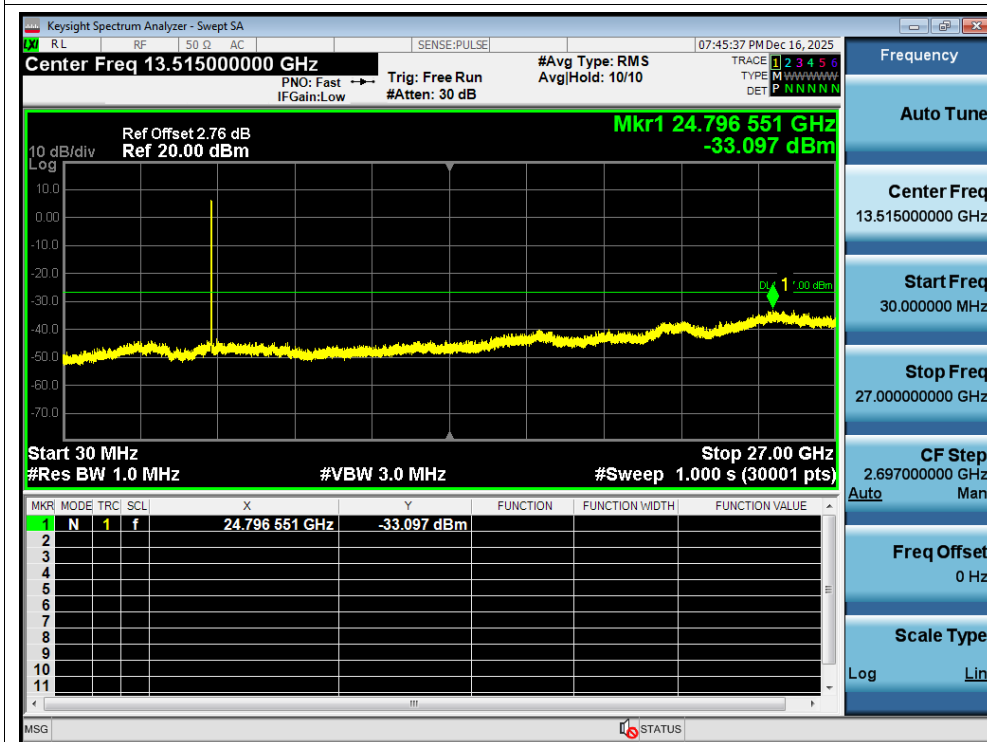
Tx. Spurious NVNT a 5240MHz Ant1 Emission



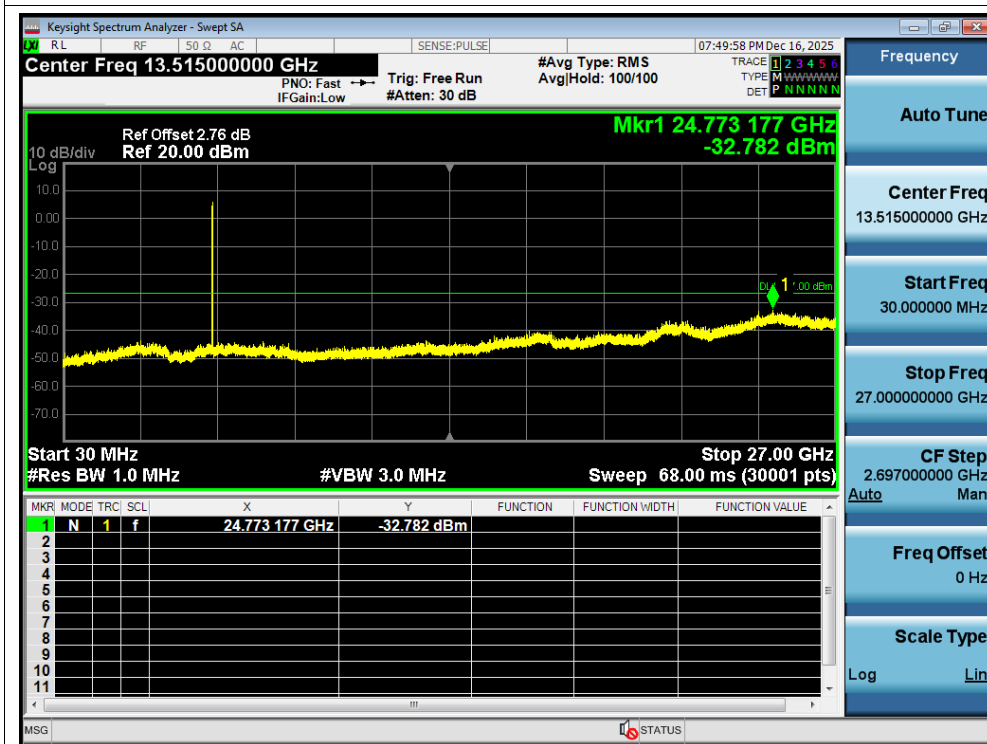
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



Tx. Spurious NVNT n20 5200MHz Ant1 Emission



Tx. Spurious NVNT n20 5240MHz Ant1 Emission



Tx. Spurious NVNT n40 5190MHz Ant1 Emission

Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE 08:29:21 PM Dec 16, 2025

Center Freq 13.51500000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS Avg/Hold: 100/100

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 25.168 737 GHz -33.210 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

DL1 1 0 dBm

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	25.168 737 GHz	-33.210 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

Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE 08:33:34 PM Dec 16, 2025

Center Freq 13.515000000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS Avg|Hold: 100/100

Ref Offset 2.76 dB Ref 20.00 dBm

Mkr1 24.724 631 GHz -33.500 dBm

10 dB/div Log

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

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	24.724 631 GHz	-33.500 dBm			

Auto Tune

Center Freq 13.515000000 GHz

Start Freq 30.000000 MHz

Stop Freq 27.000000000 GHz

CF Step 2.697000000 GHz

Auto Man

Freq Offset 0 Hz

Scale Type Log Lin

MSG STATUS