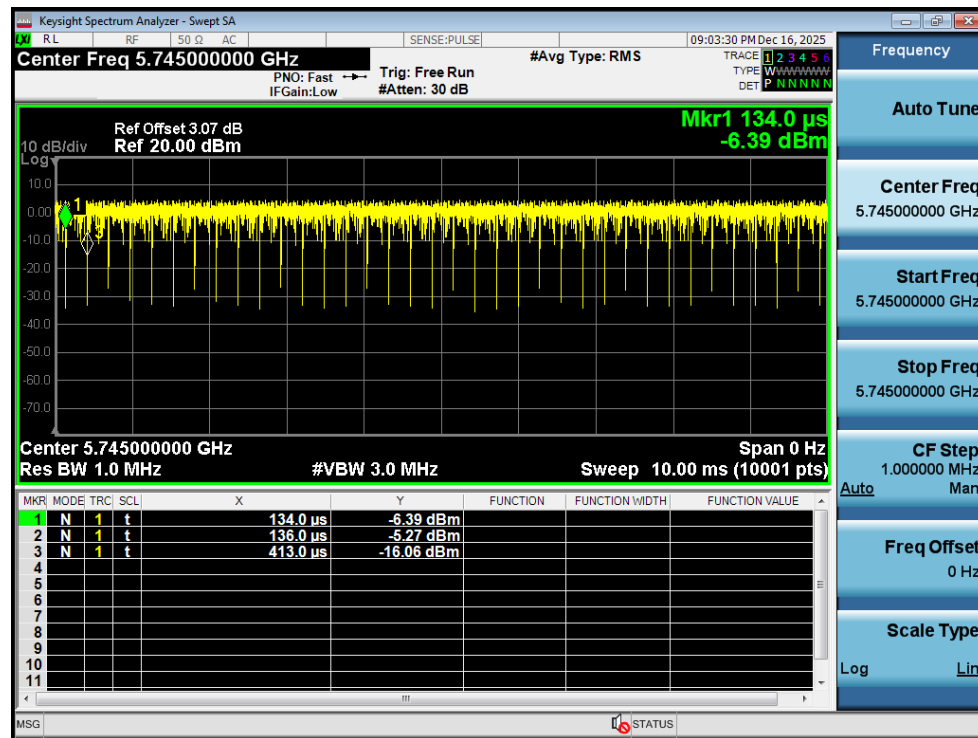


Duty Cycle

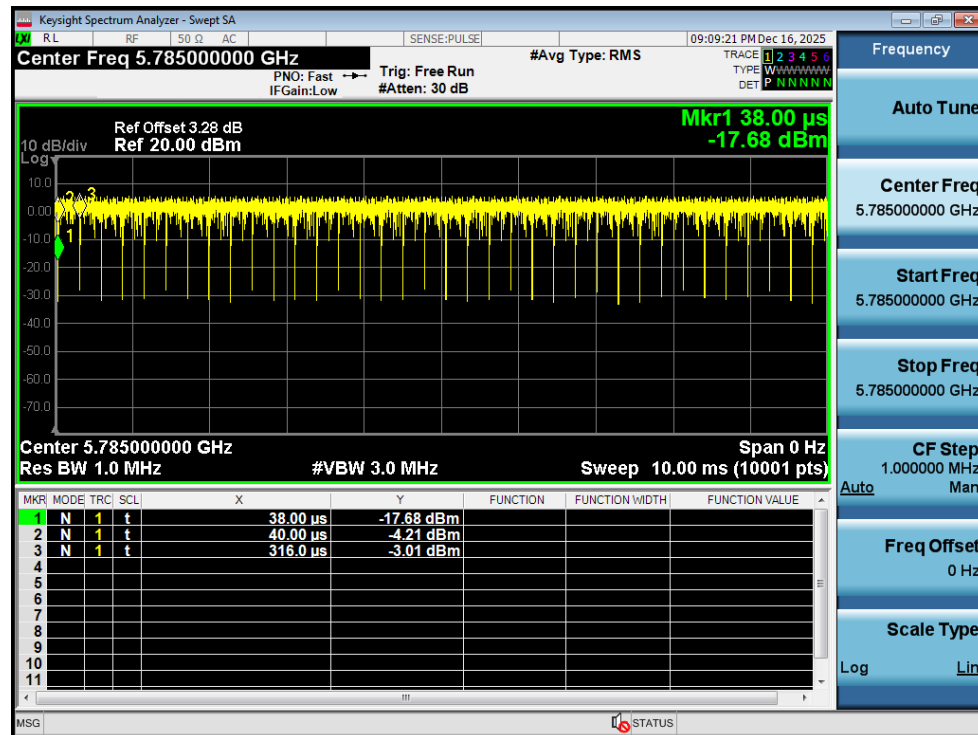
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	99.28	0	3.61
NVNT	a	5785	Ant1	99.28	0	3.62
NVNT	a	5825	Ant1	99.28	0	3.61
NVNT	n20	5745	Ant1	98.98	0	3.42
NVNT	n20	5785	Ant1	99.32	0	3.41
NVNT	n20	5825	Ant1	98.98	0	3.42
NVNT	n40	5755	Ant1	99.93	0	0.03
NVNT	n40	5795	Ant1	100	0	0

Test Graphs

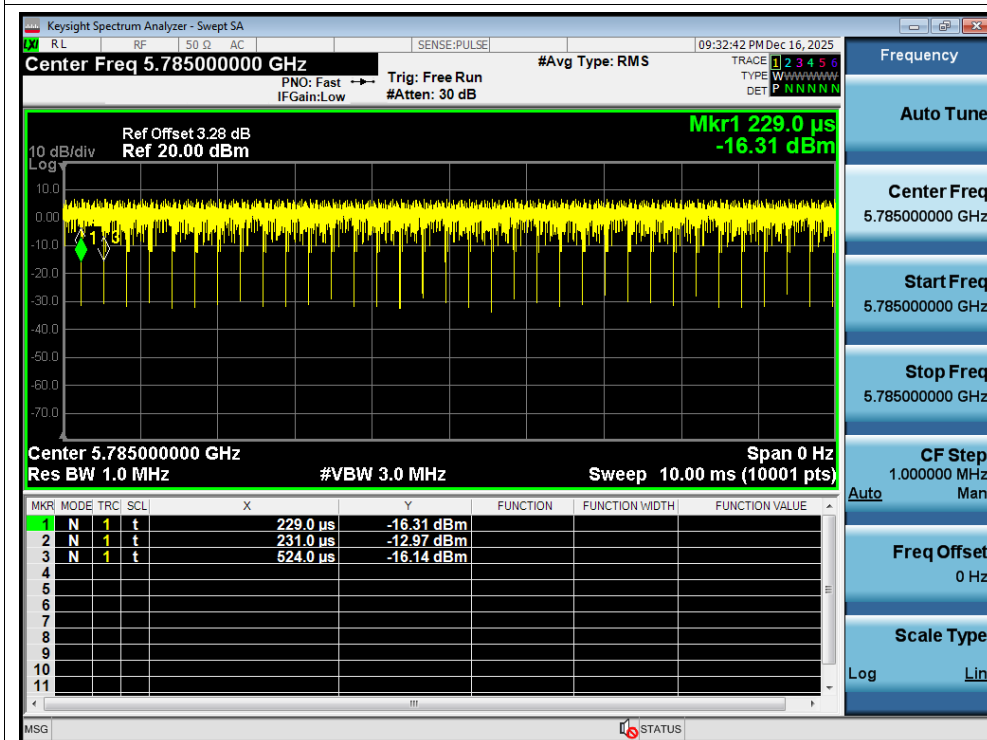
Duty Cycle NVNT a 5745MHz Ant1



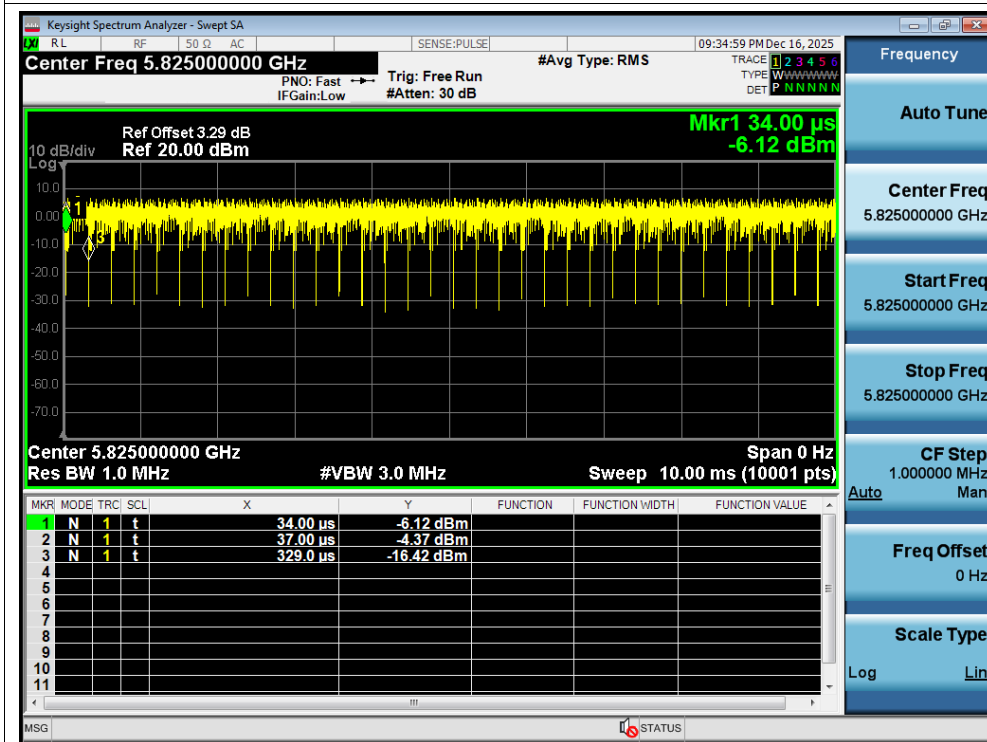
Duty Cycle NVNT a 5785MHz Ant1



Duty Cycle NVNT n20 5785MHz Ant1



Duty Cycle NVNT n20 5825MHz Ant1



Maximum Conducted Output Power

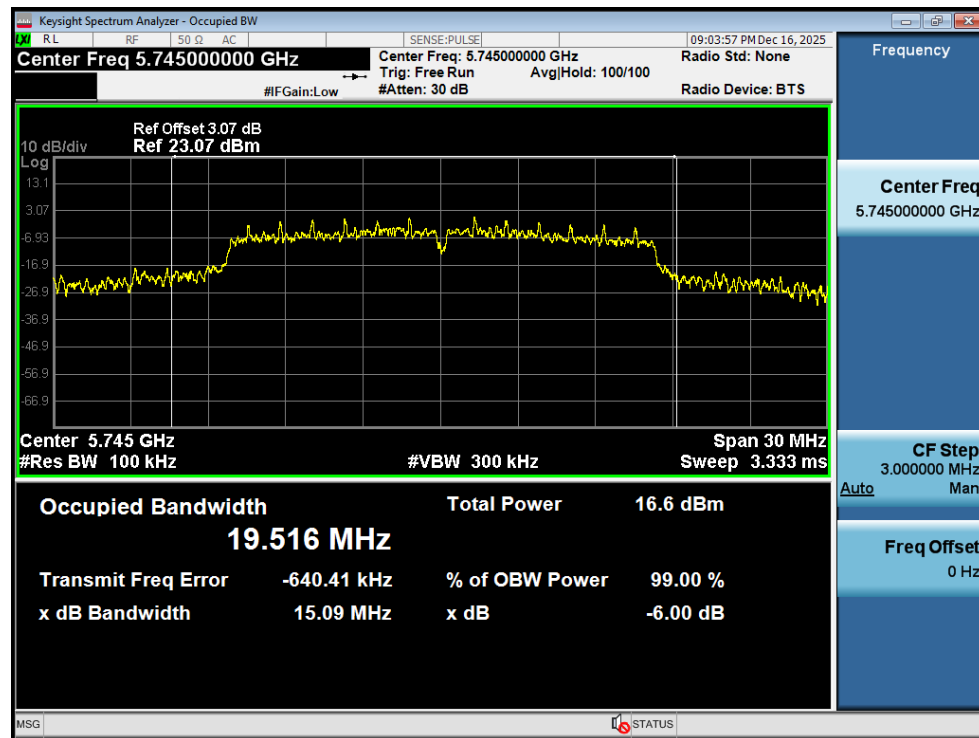
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	10.37	30	Pass
NVNT	a	5785	Ant1	10.75	30	Pass
NVNT	a	5825	Ant1	10.55	30	Pass
NVNT	n20	5745	Ant1	10.3	30	Pass
NVNT	n20	5785	Ant1	10.71	30	Pass
NVNT	n20	5825	Ant1	10.54	30	Pass
NVNT	n40	5755	Ant1	9.97	30	Pass
NVNT	n40	5795	Ant1	10.23	30	Pass

-6dB Bandwidth

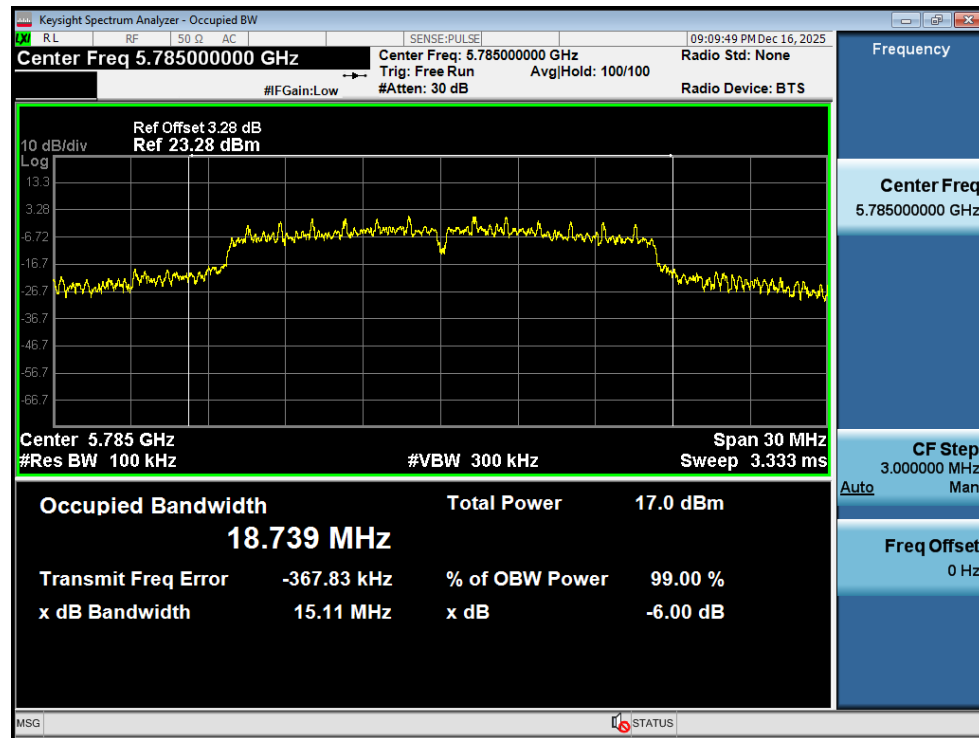
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.093	0.5	Pass
NVNT	a	5785	Ant1	15.115	0.5	Pass
NVNT	a	5825	Ant1	15.125	0.5	Pass
NVNT	n20	5745	Ant1	15.124	0.5	Pass
NVNT	n20	5785	Ant1	15.071	0.5	Pass
NVNT	n20	5825	Ant1	15.077	0.5	Pass
NVNT	n40	5755	Ant1	32.56	0.5	Pass
NVNT	n40	5795	Ant1	30.084	0.5	Pass

Test Graphs

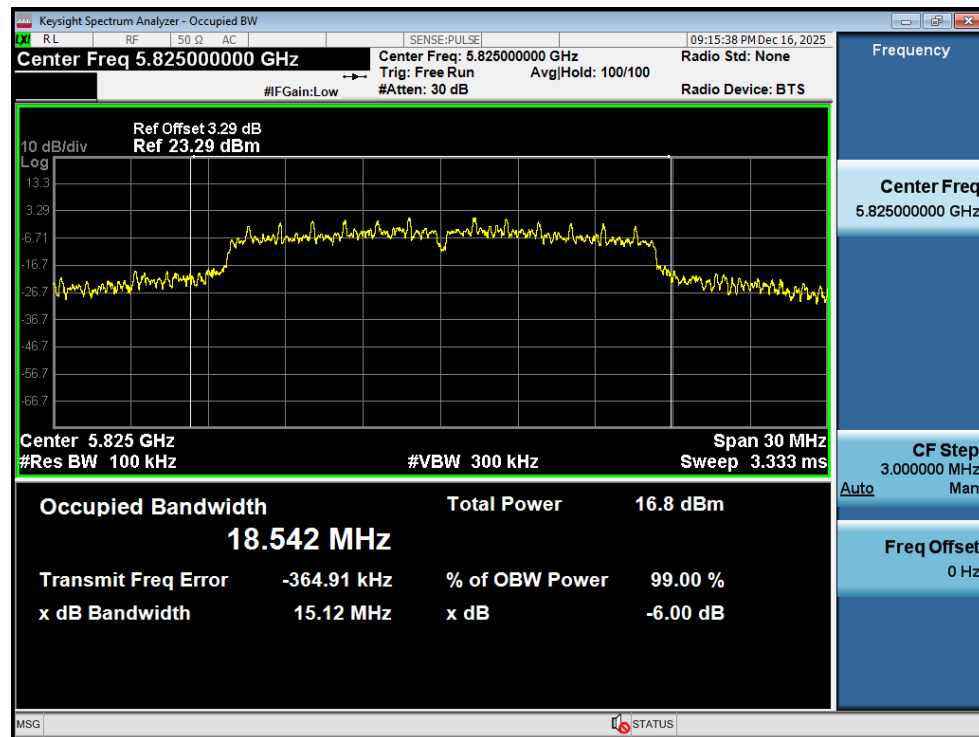
-6dB Bandwidth NVNT a 5745MHz Ant1



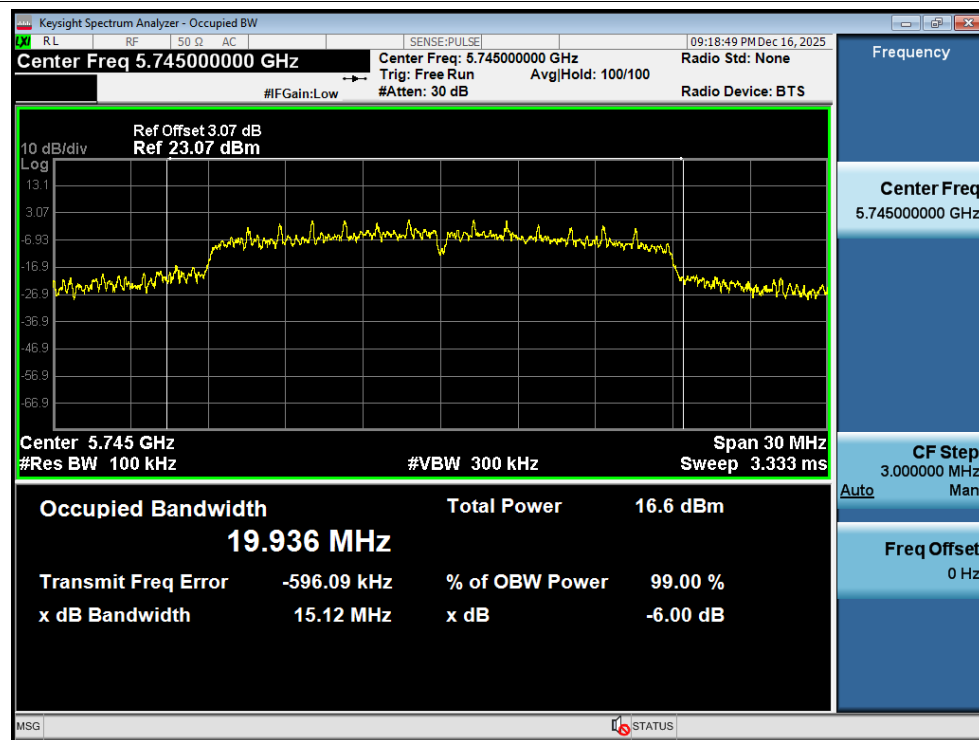
-6dB Bandwidth NVNT a 5785MHz Ant1



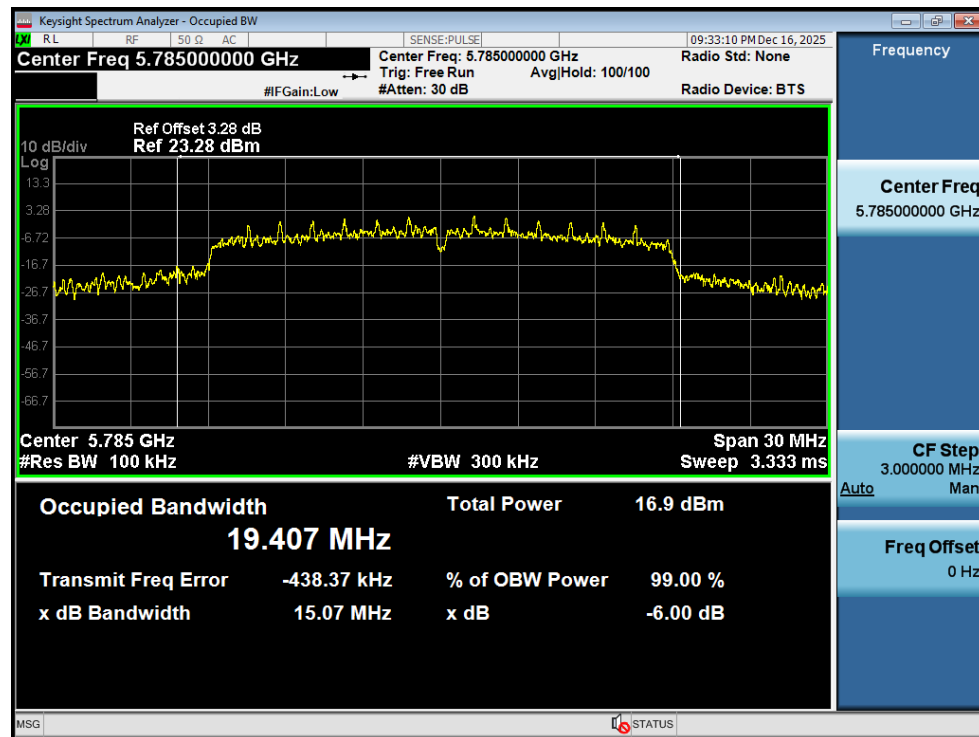
-6dB Bandwidth NVNT a 5825MHz Ant1



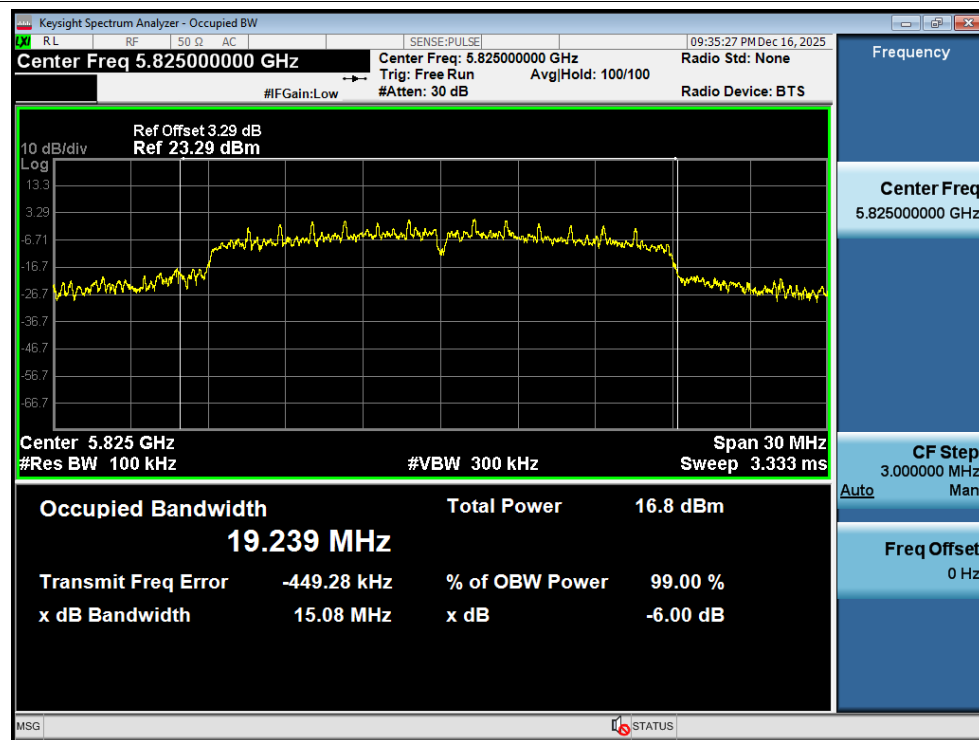
-6dB Bandwidth NVNT n20 5745MHz Ant1



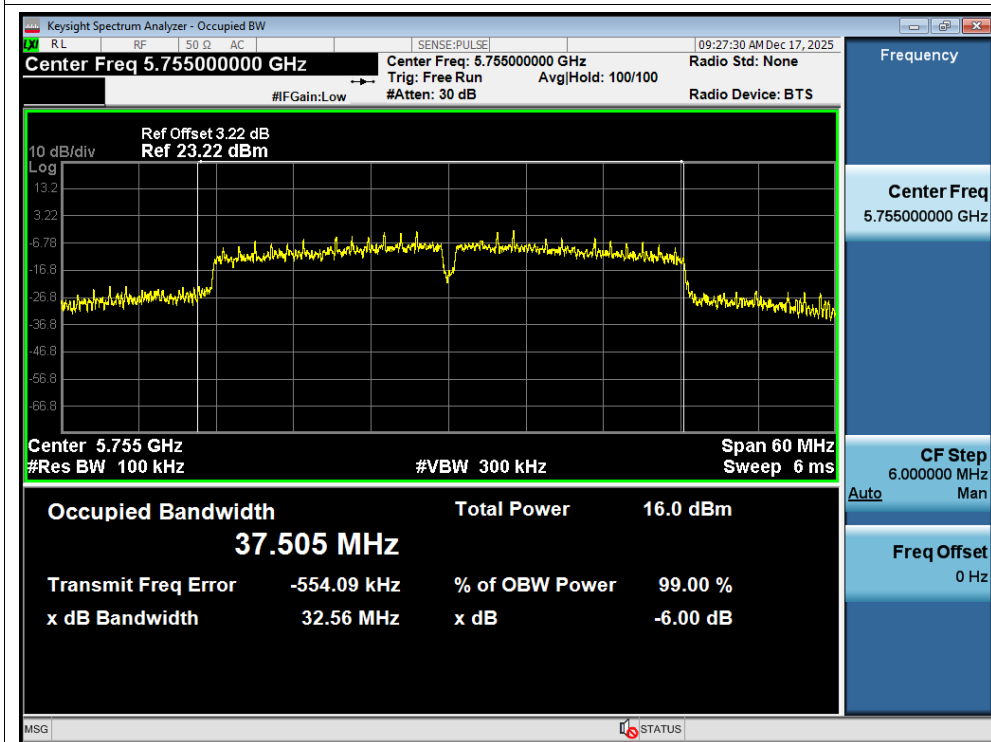
-6dB Bandwidth NVNT n20 5785MHz Ant1



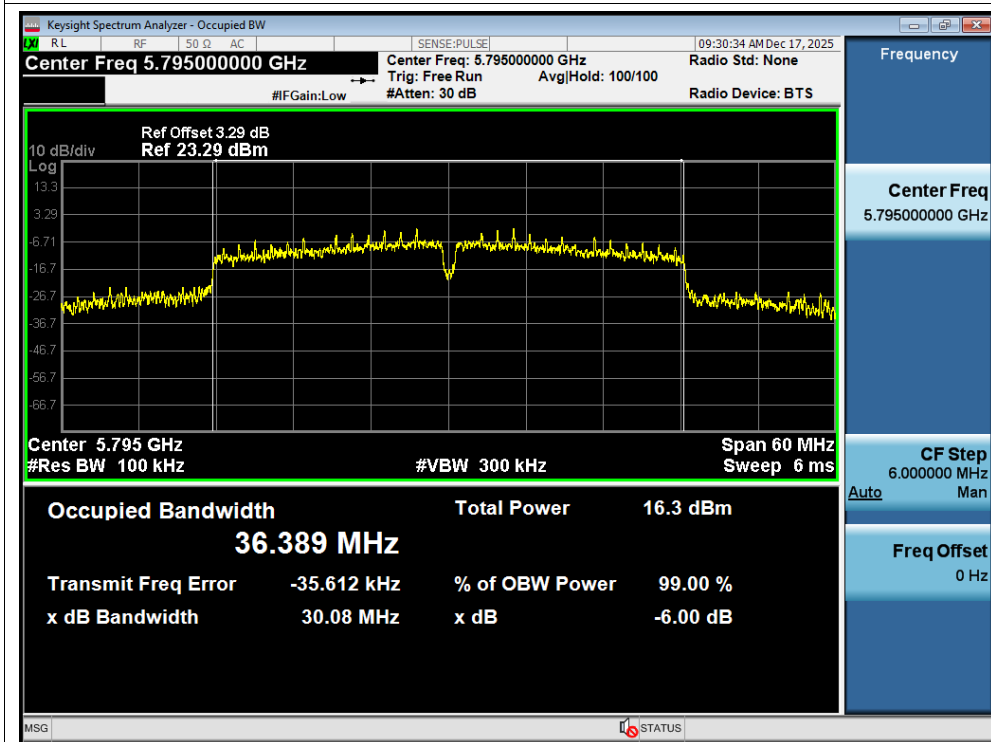
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	20.198
NVNT	a	5785	Ant1	19.428
NVNT	a	5825	Ant1	19.26
NVNT	n20	5745	Ant1	20.833
NVNT	n20	5785	Ant1	20.147
NVNT	n20	5825	Ant1	20.091
NVNT	n40	5755	Ant1	38.995
NVNT	n40	5795	Ant1	37.565

Test Graphs

OBW NVNT a 5745MHz Ant1



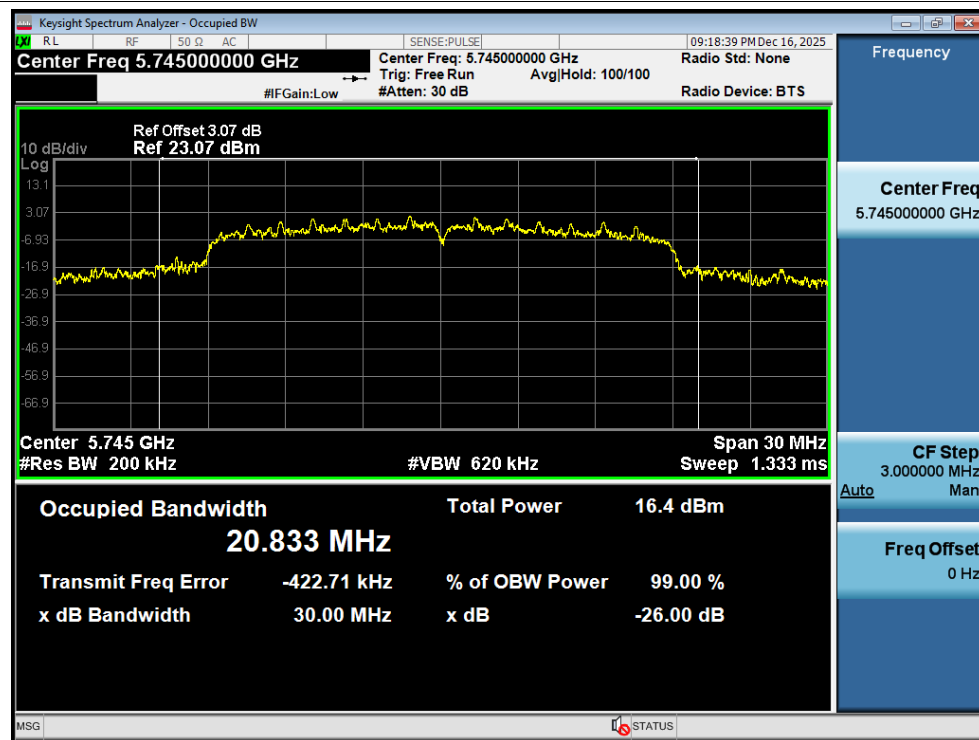
OBW NVNT a 5785MHz Ant1



OBW NVNT a 5825MHz Ant1



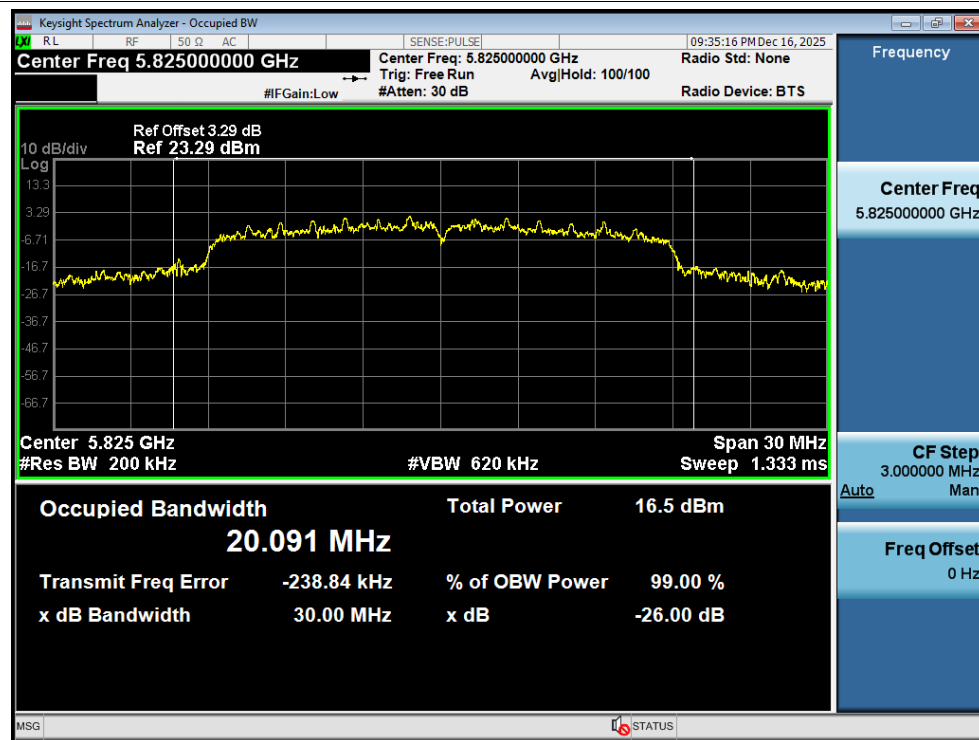
OBW NVNT n20 5745MHz Ant1



OBW NVNT n20 5785MHz Ant1



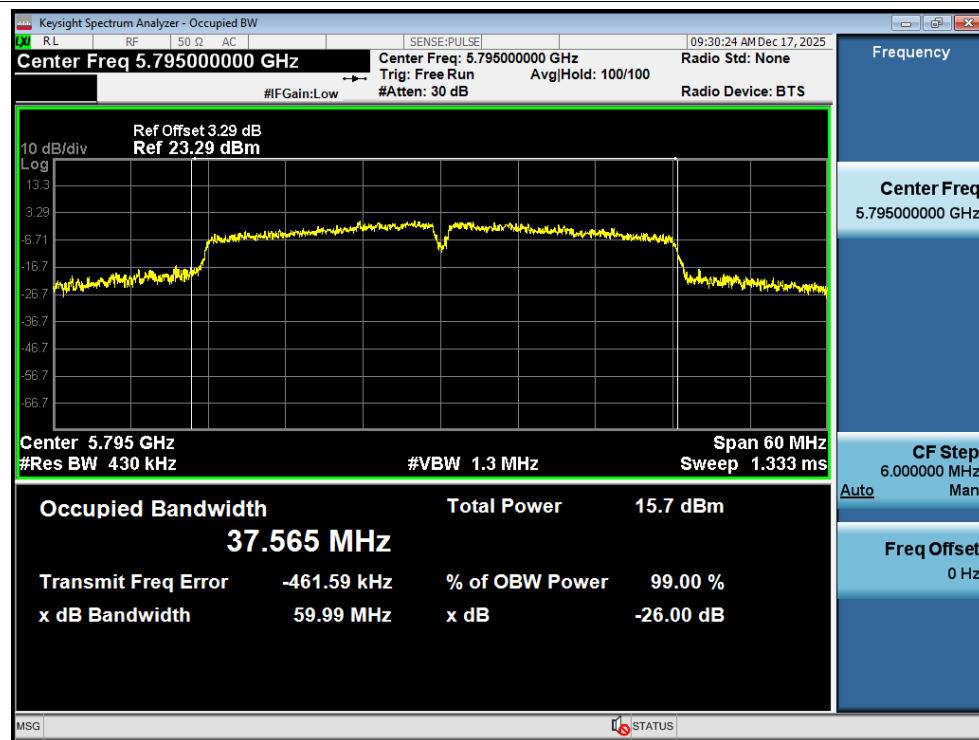
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz 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	5745	Ant1	-2.63	0	-2.63	30	Pass
NVNT	a	5785	Ant1	-2.21	0	-2.21	30	Pass
NVNT	a	5825	Ant1	-2.38	0	-2.38	30	Pass
NVNT	n20	5745	Ant1	-2.49	0	-2.49	30	Pass
NVNT	n20	5785	Ant1	-2.13	0	-2.13	30	Pass
NVNT	n20	5825	Ant1	-2.3	0	-2.3	30	Pass
NVNT	n40	5755	Ant1	-5.53	0	-5.53	30	Pass
NVNT	n40	5795	Ant1	-4.85	0	-4.85	30	Pass

Test Graphs

PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1

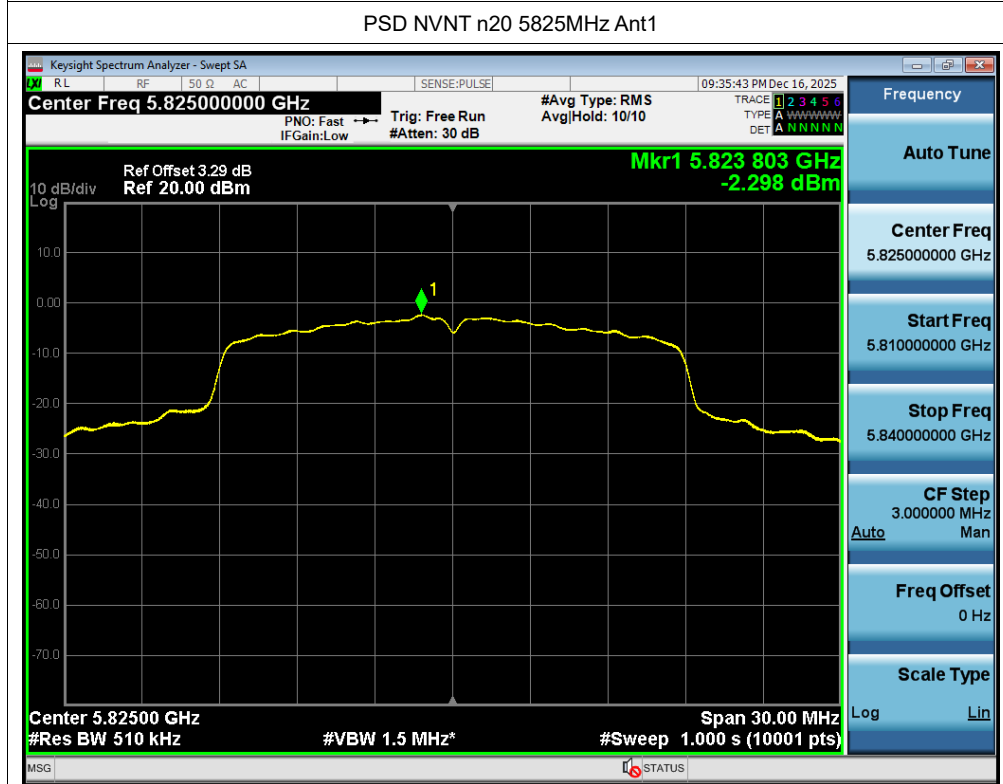
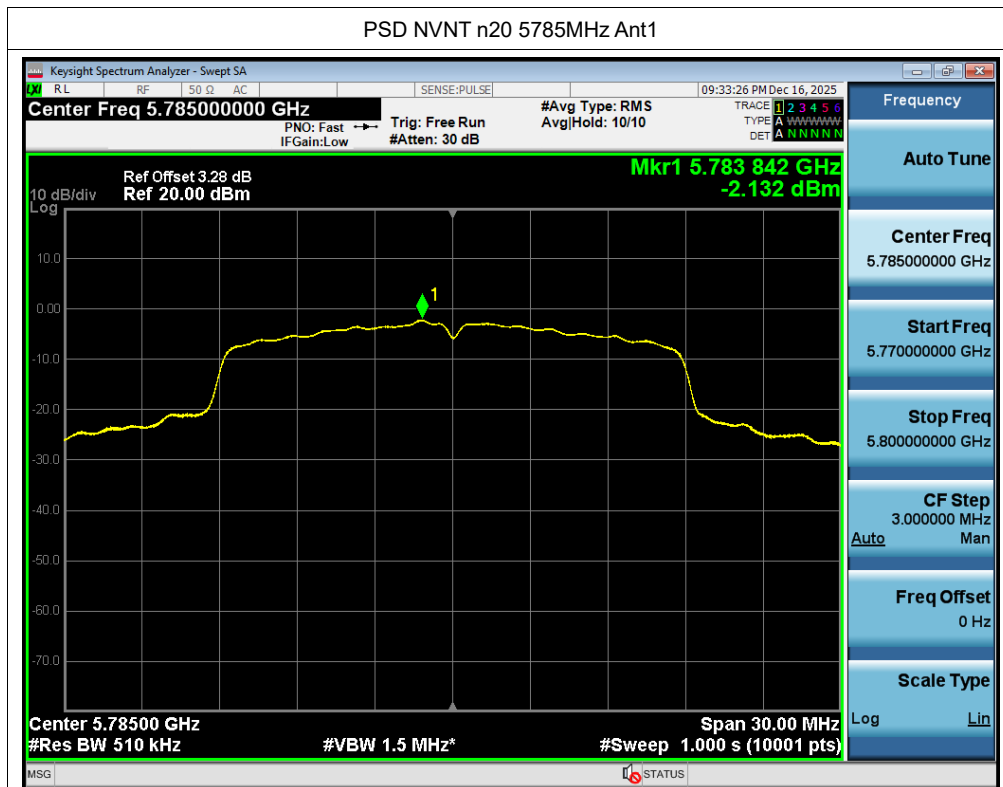


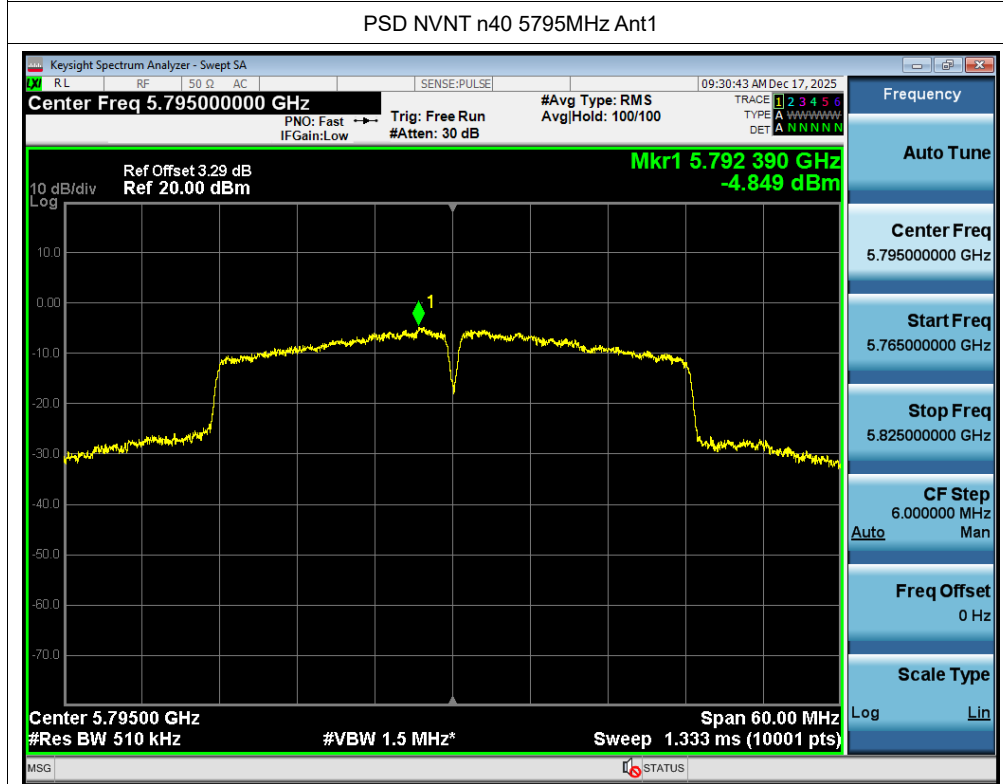
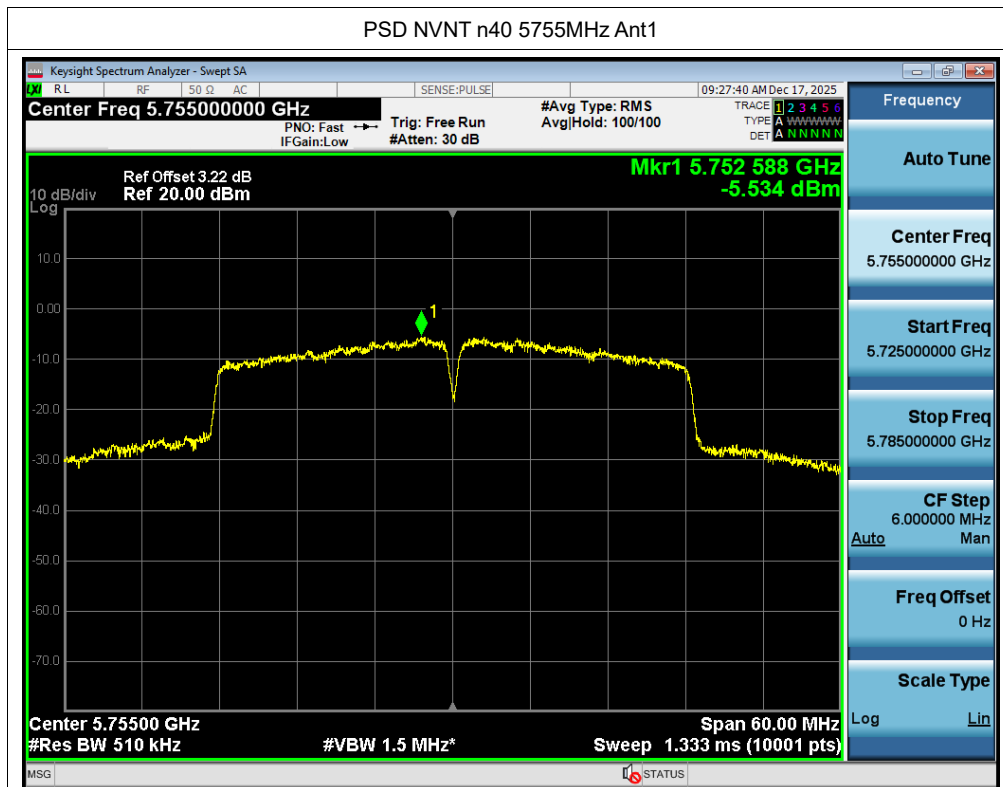
PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1





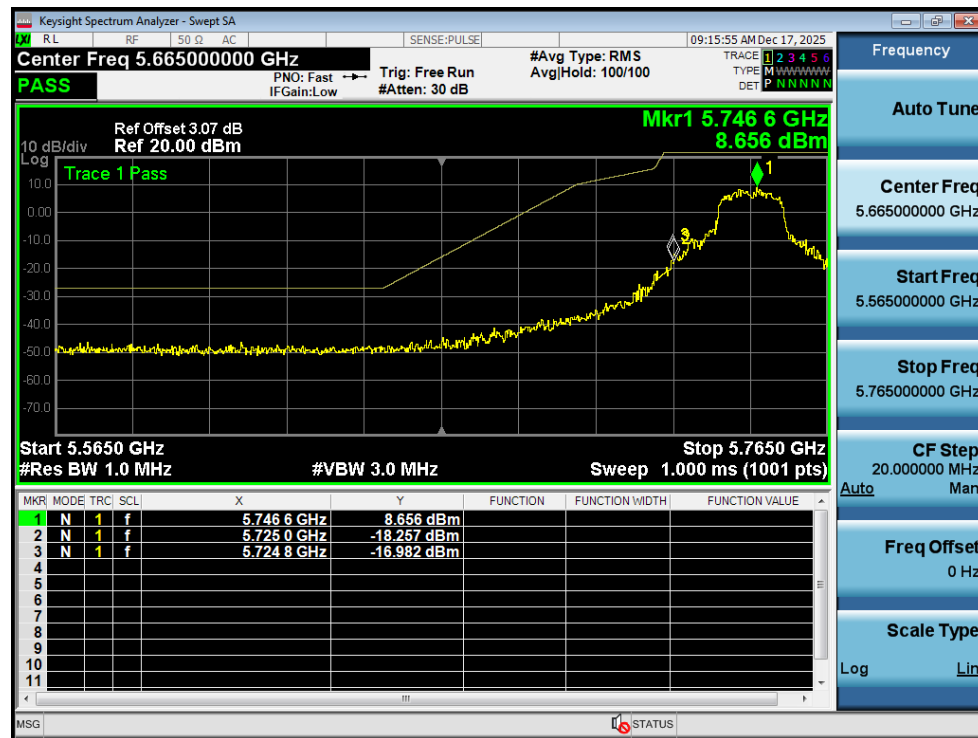


Band Edge

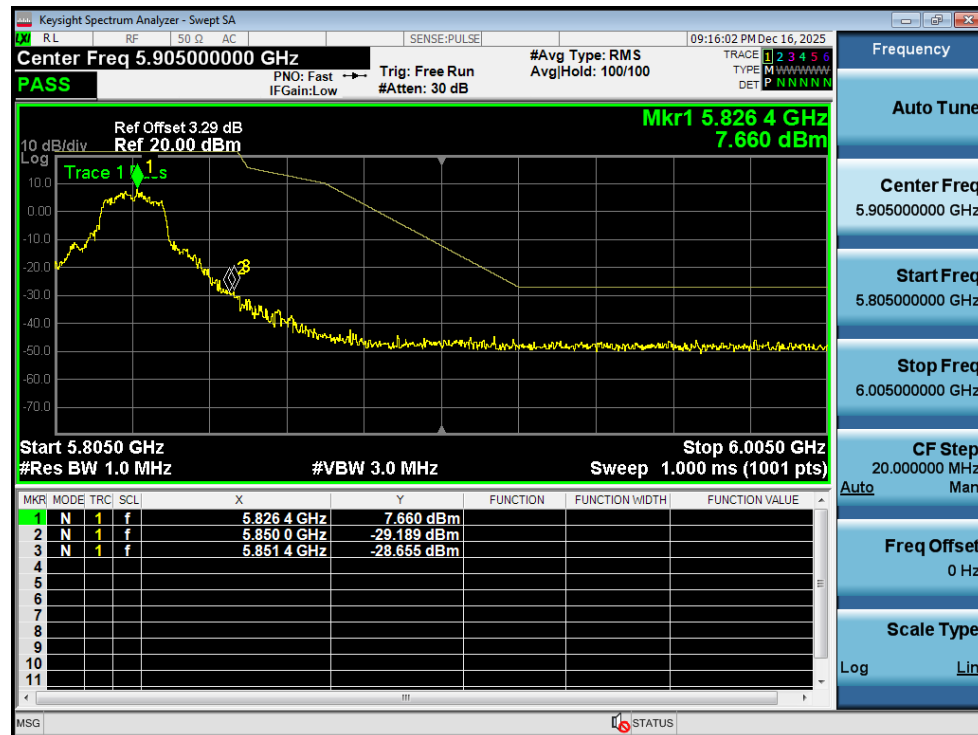
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-16.98	Pass
NVNT	a	5825	Ant1	-28.65	Pass
NVNT	n20	5745	Ant1	-18.56	Pass
NVNT	n20	5825	Ant1	-26.95	Pass
NVNT	n40	5755	Ant1	-17.45	Pass
NVNT	n40	5795	Ant1	-35.09	Pass

Test Graphs

Band Edge NVNT a 5745MHz Low Ant1



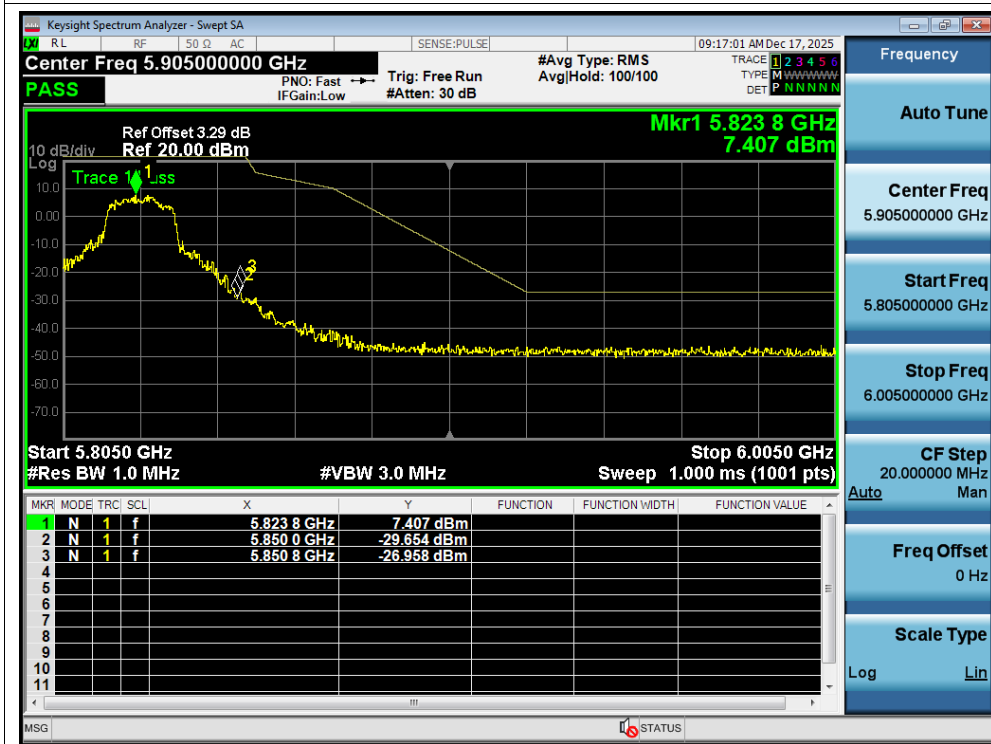
Band Edge NVNT a 5825MHz High Ant1



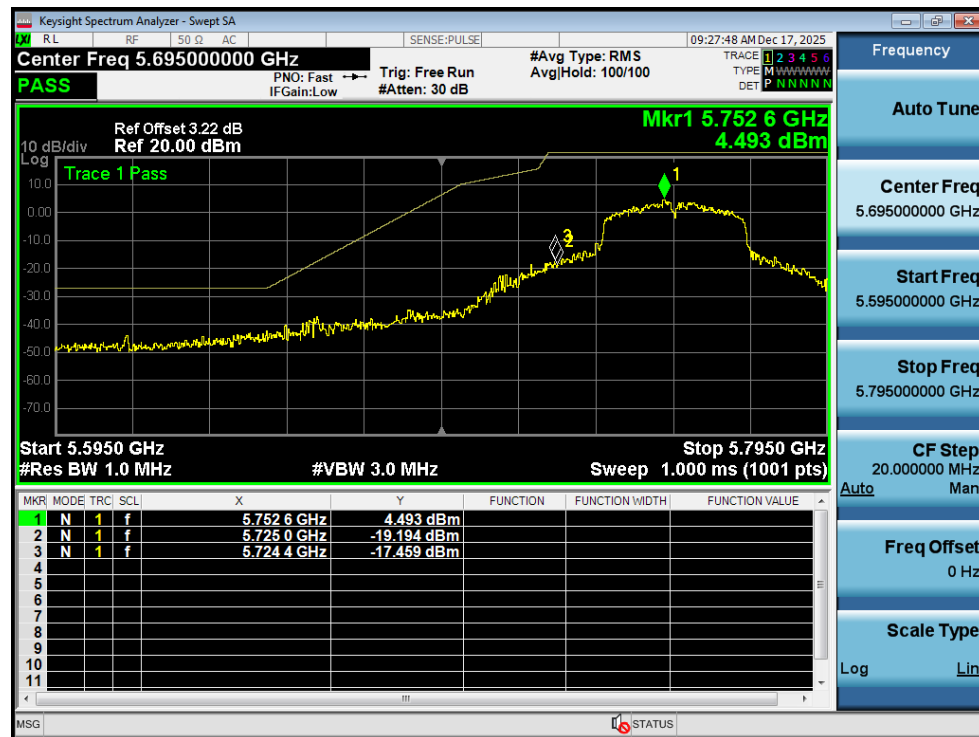
Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1

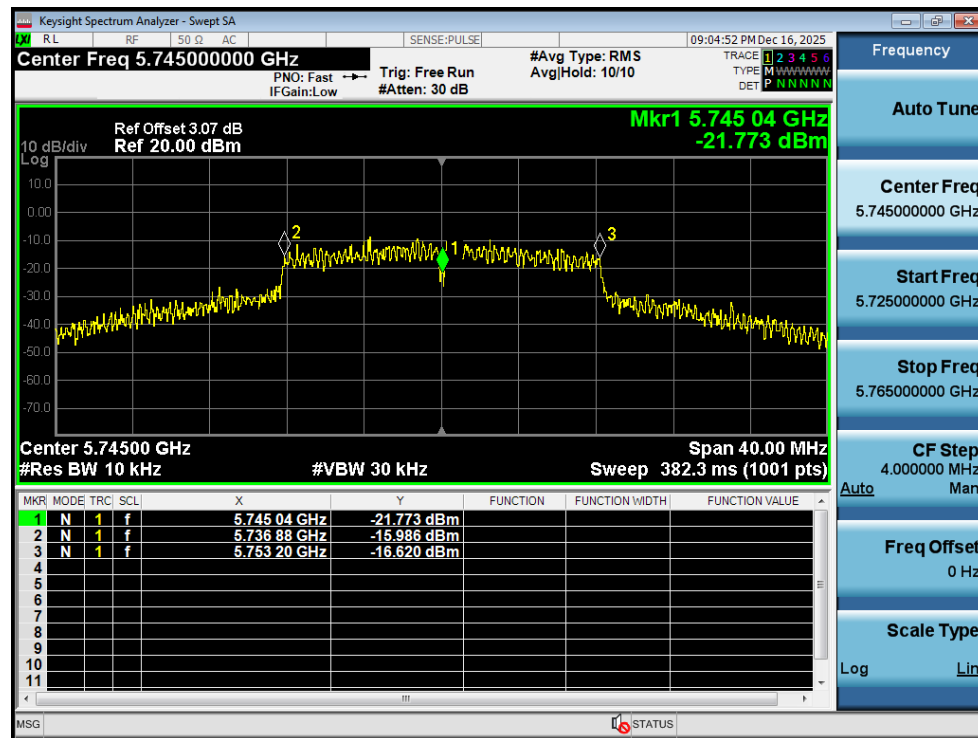


Frequency Stability

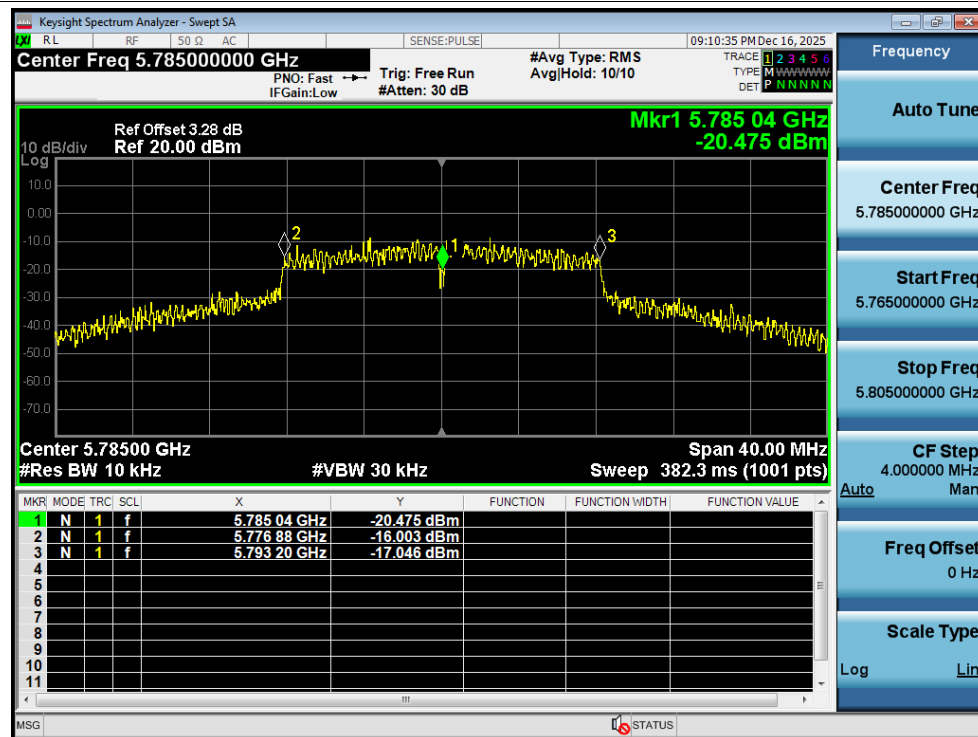
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant1	5745.04	40000	6.96	25	Pass
NVNT	a	5785	Ant1	5785.04	40000	6.91	25	Pass
NVNT	a	5825	Ant1	5825.06	60000	10.3	25	Pass
NVNT	n20	5745	Ant1	5745.02	20000	3.48	25	Pass
NVNT	n20	5785	Ant1	5785.02	20000	3.46	25	Pass
NVNT	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
NVNT	n40	5755	Ant1	5755	0	0	25	Pass
NVNT	n40	5795	Ant1	5795	0	0	25	Pass

Test Graphs

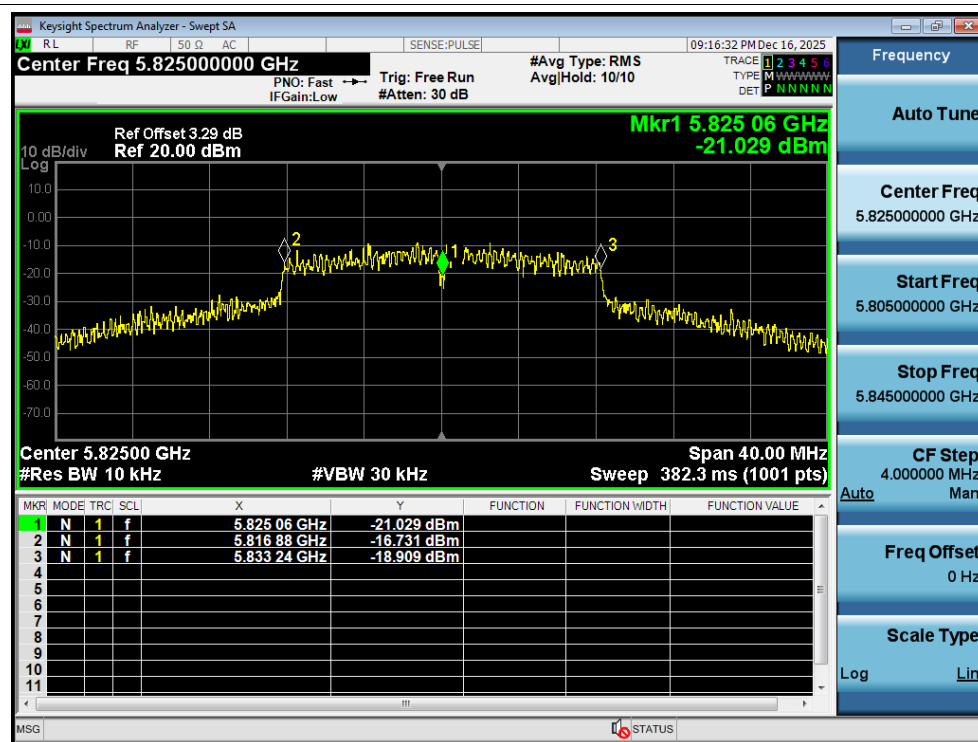
Freq. Stability NVNT a 5745MHz Ant1



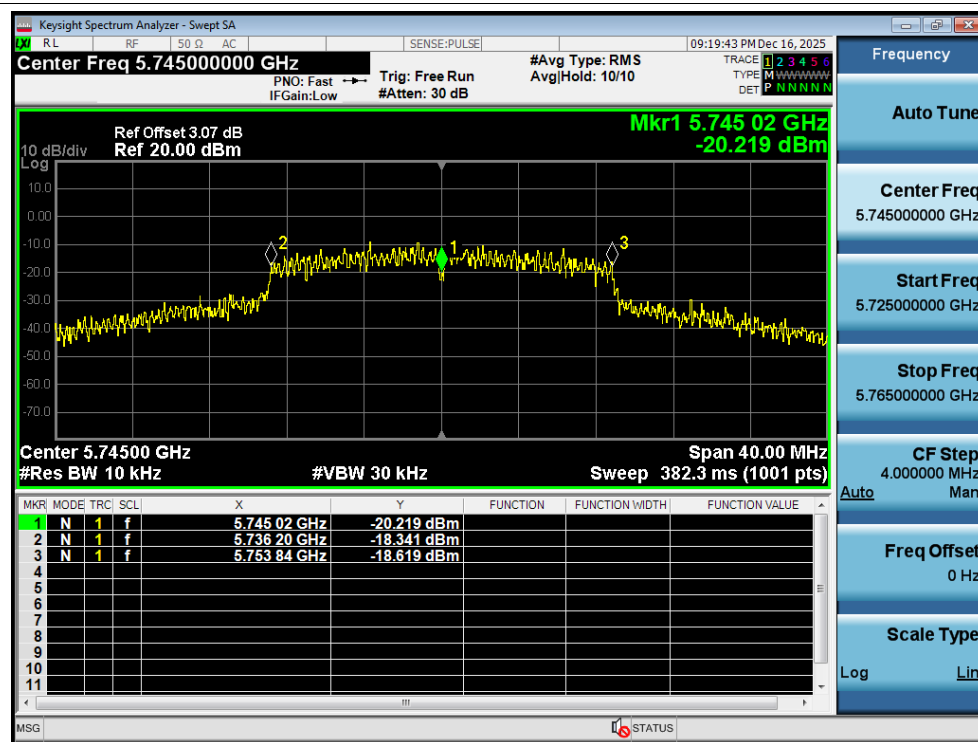
Freq. Stability NVNT a 5785MHz Ant1



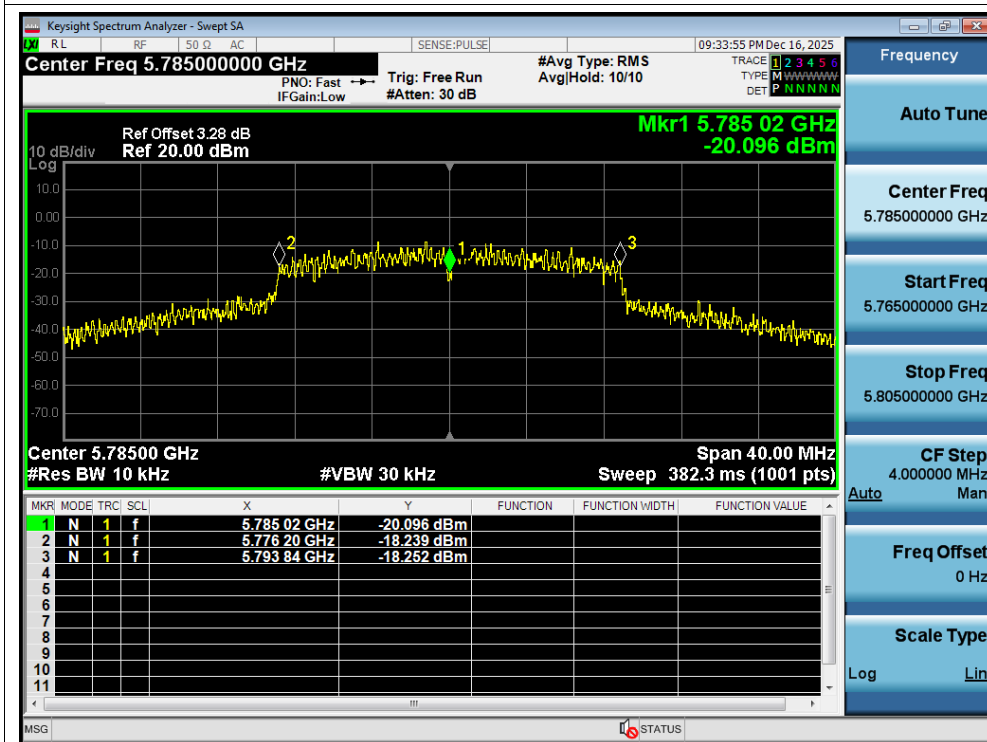
Freq. Stability NVNT a 5825MHz Ant1



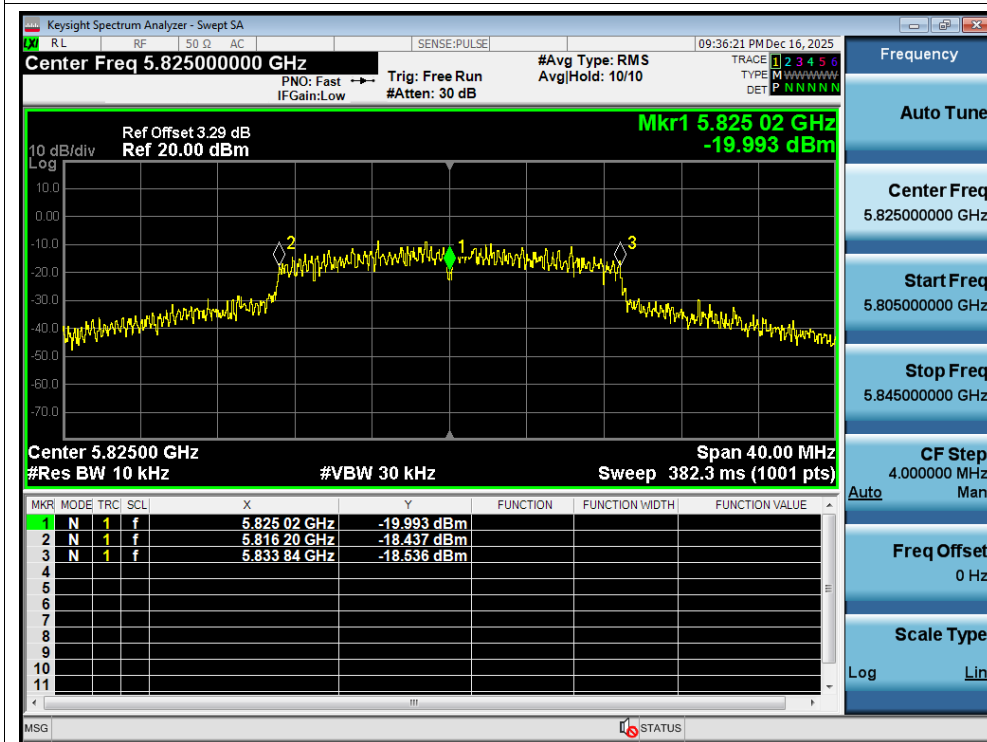
Freq. Stability NVNT n20 5745MHz Ant1



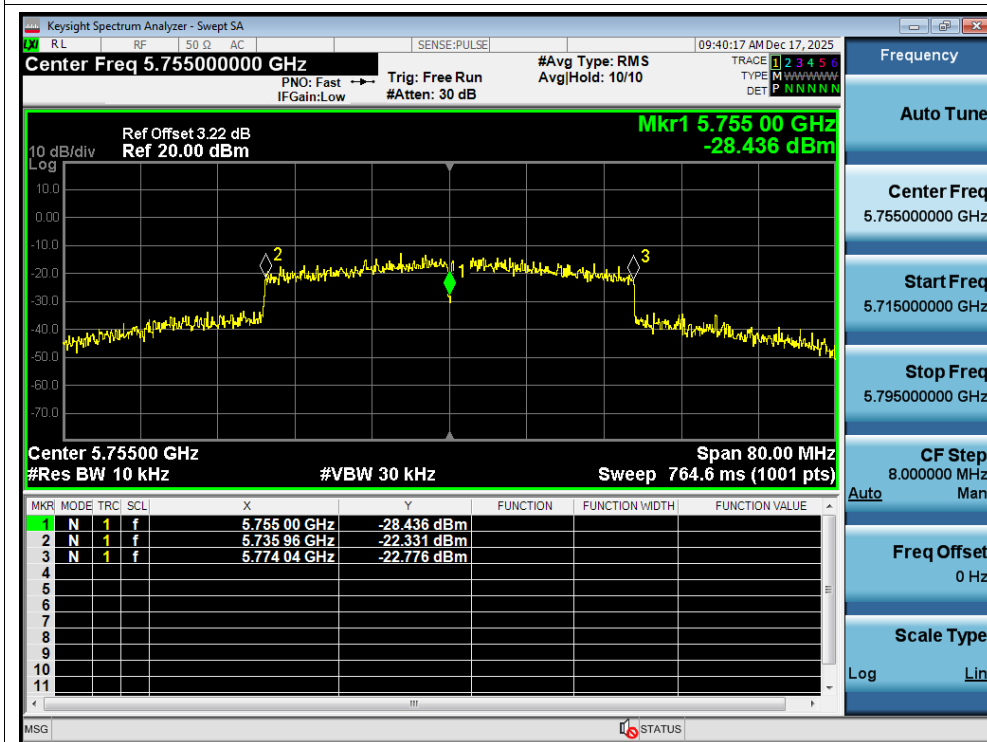
Freq. Stability NVNT n20 5785MHz Ant1



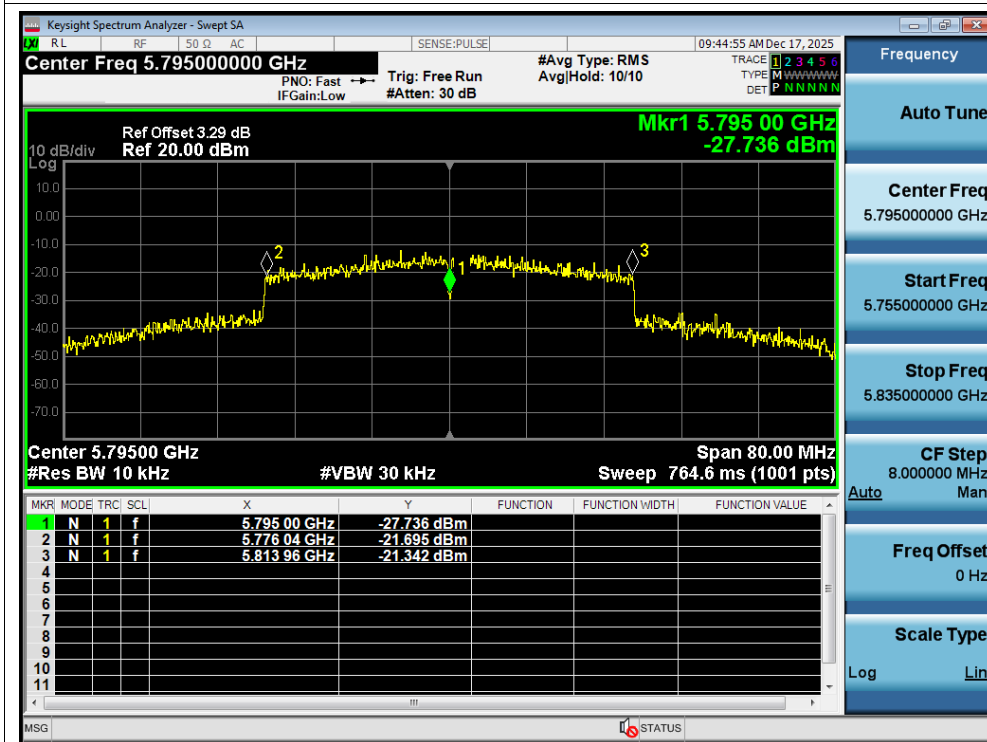
Freq. Stability NVNT n20 5825MHz Ant1



Freq. Stability NVNT n40 5755MHz Ant1



Freq. Stability NVNT n40 5795MHz Ant1

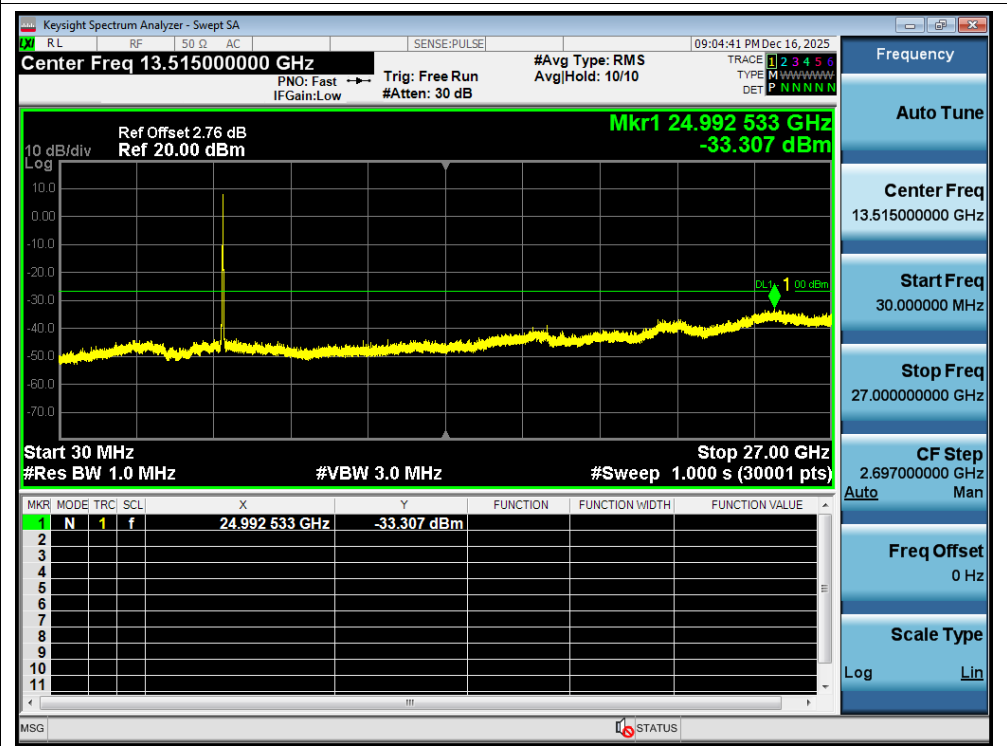


Conducted RF Spurious Emission

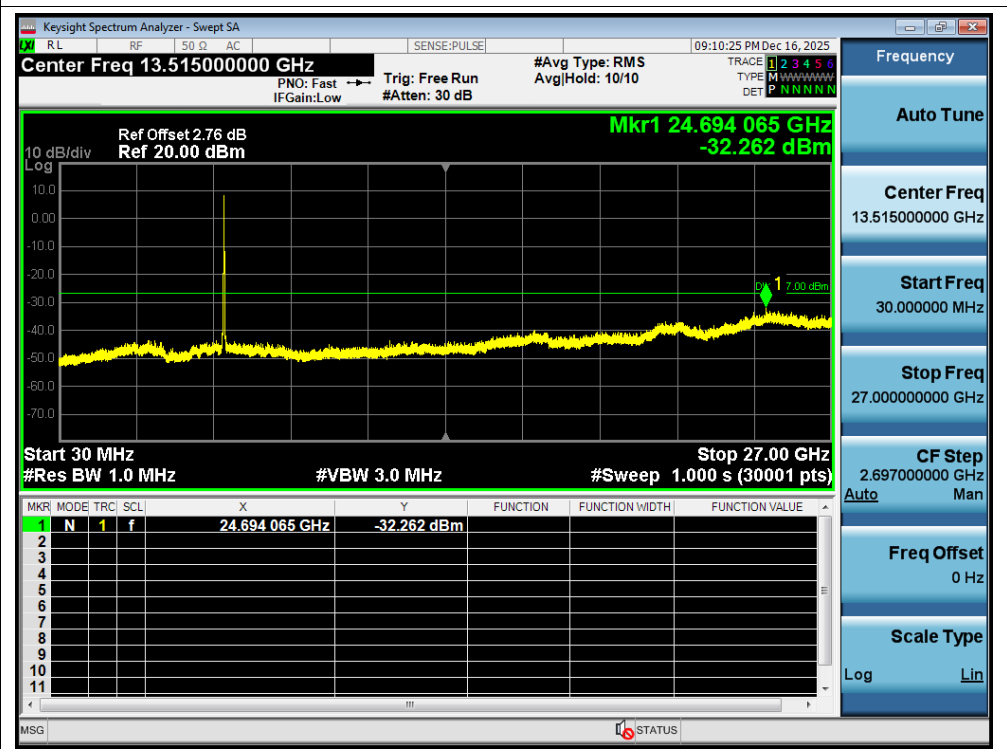
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-33.3	-27	Pass
NVNT	a	5785	Ant1	-32.26	-27	Pass
NVNT	a	5825	Ant1	-33.65	-27	Pass
NVNT	n20	5745	Ant1	-33.24	-27	Pass
NVNT	n20	5785	Ant1	-33.01	-27	Pass
NVNT	n20	5825	Ant1	-33.43	-27	Pass
NVNT	n40	5755	Ant1	-33.47	-27	Pass
NVNT	n40	5795	Ant1	-32.42	-27	Pass

Test Graphs	

Tx. Spurious NVNT a 5745MHz Ant1 Emission



Tx. Spurious NVNT a 5785MHz Ant1 Emission



Tx. Spurious NVNT a 5825MHz Ant1 Emission

Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE 09:16:22 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: 10/10

TRACE 1 2 3 4 5 6 TYPE BWWWWWWW DET P NNNNNN

Ref Offset 2.76 dB Ref 20.00 dBm

Mkr1 24.896 340 GHz -33.655 dBm

10 dB/div Log

Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz #Sweep 1.000 s (30001 pts) Stop 27.00 GHz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	24.896 340 GHz	-33.655 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
13.515000000 GHz

Start Freq
30.000000 MHz

Stop Freq
27.000000000 GHz

CF Step
2.697000000 GHz Man

Freq Offset
0 Hz

Scale Type
Log Lin

[illegible]

Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE 09:33:45 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: 10/10

TRACE 1 2 3 4 5 6 TYPE BWMMWMMW DET P NNNNNN

Ref Offset 2.76 dB Ref 20.00 dBm

Mkr1 25.131 878 GHz -33.013 dBm

10 dB/div Log

Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 27.00 GHz #Sweep 1.000 s (30001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	25.131 878 GHz	-33.013 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

[illegible]

