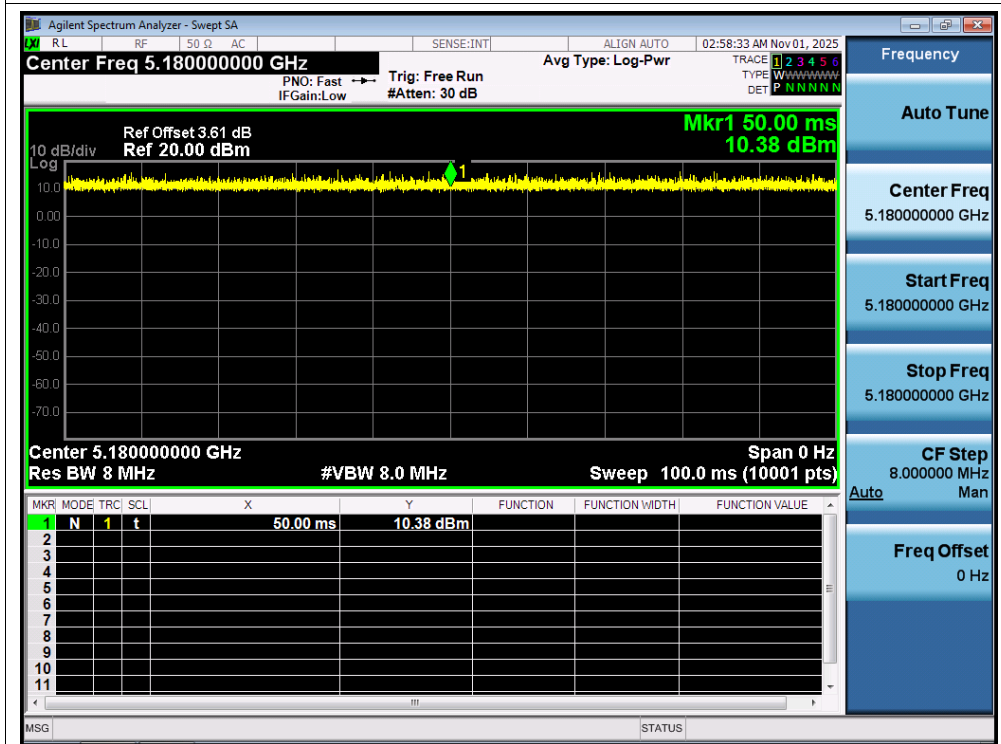
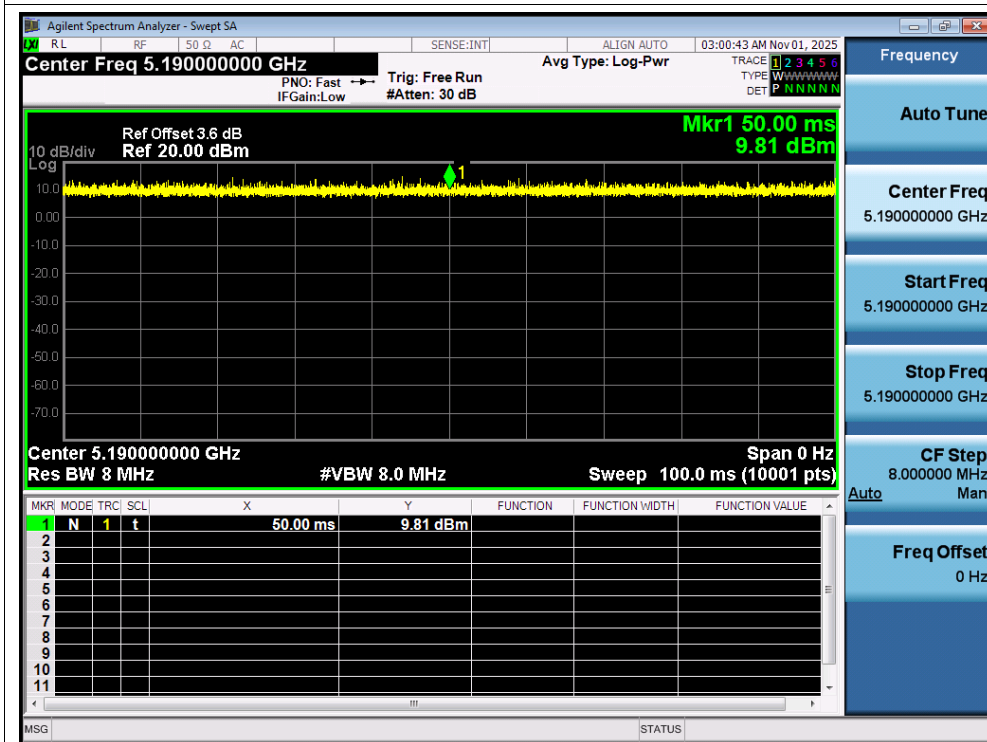


Duty Cycle

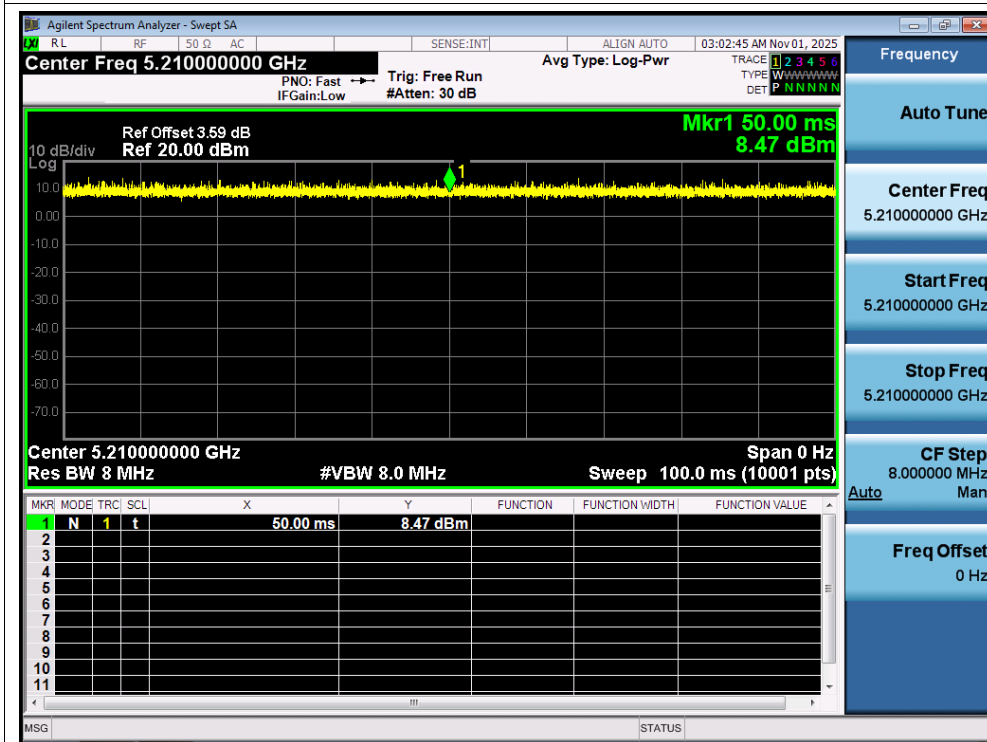
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	100	0
NVNT	n20	5180	100	0
NVNT	n40	5190	100	0
NVNT	ac20	5180	100	0
NVNT	ac40	5190	100	0
NVNT	ac80	5210	100	0



Duty Cycle NVNT ac40 5190MHz

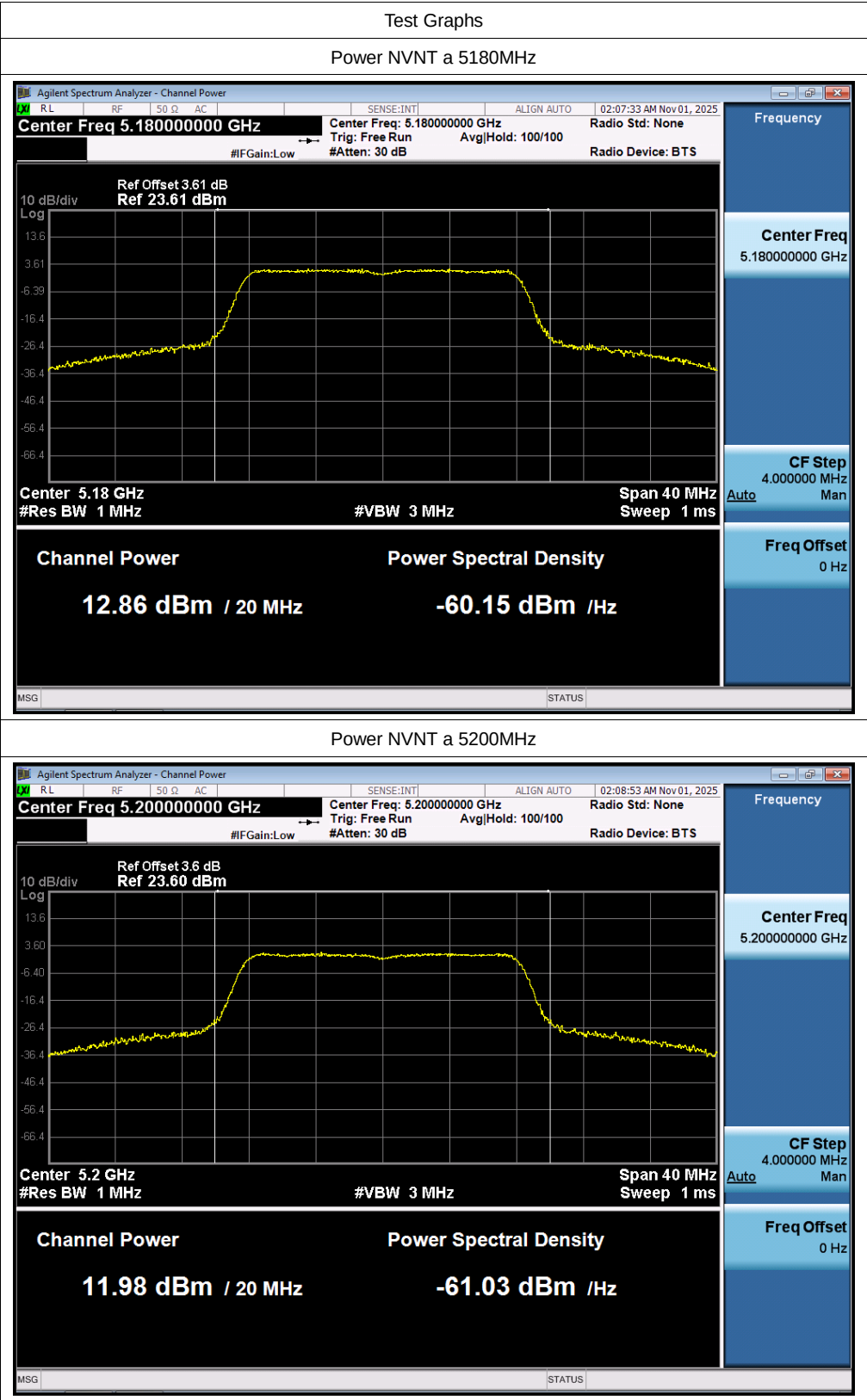


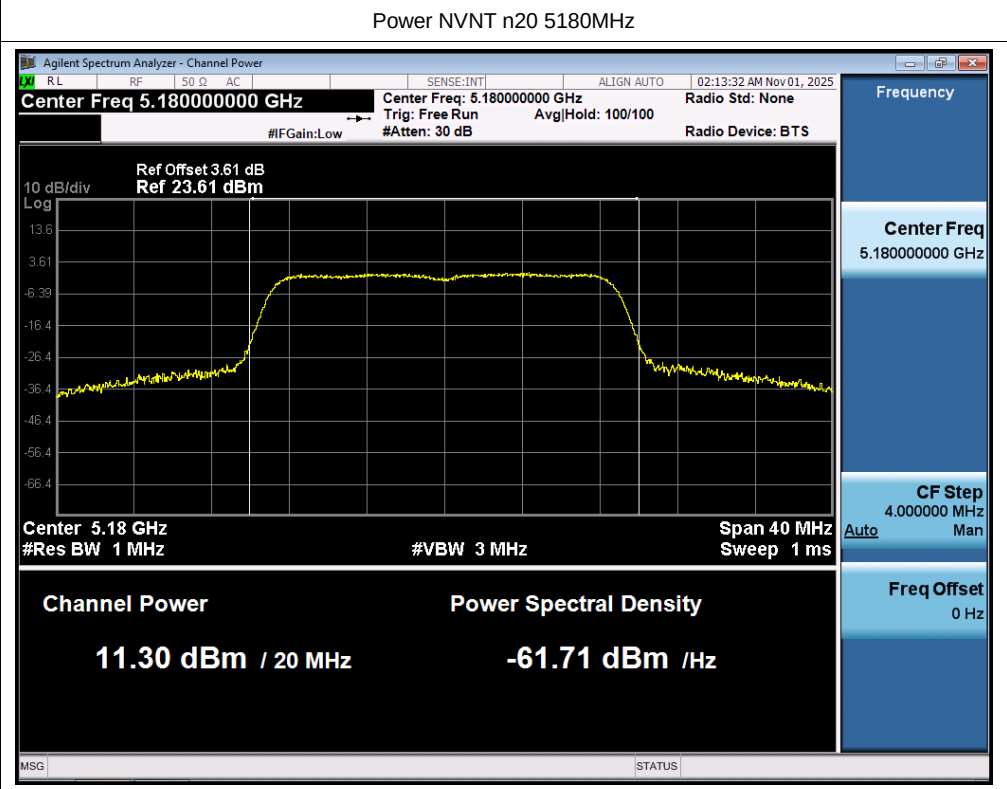
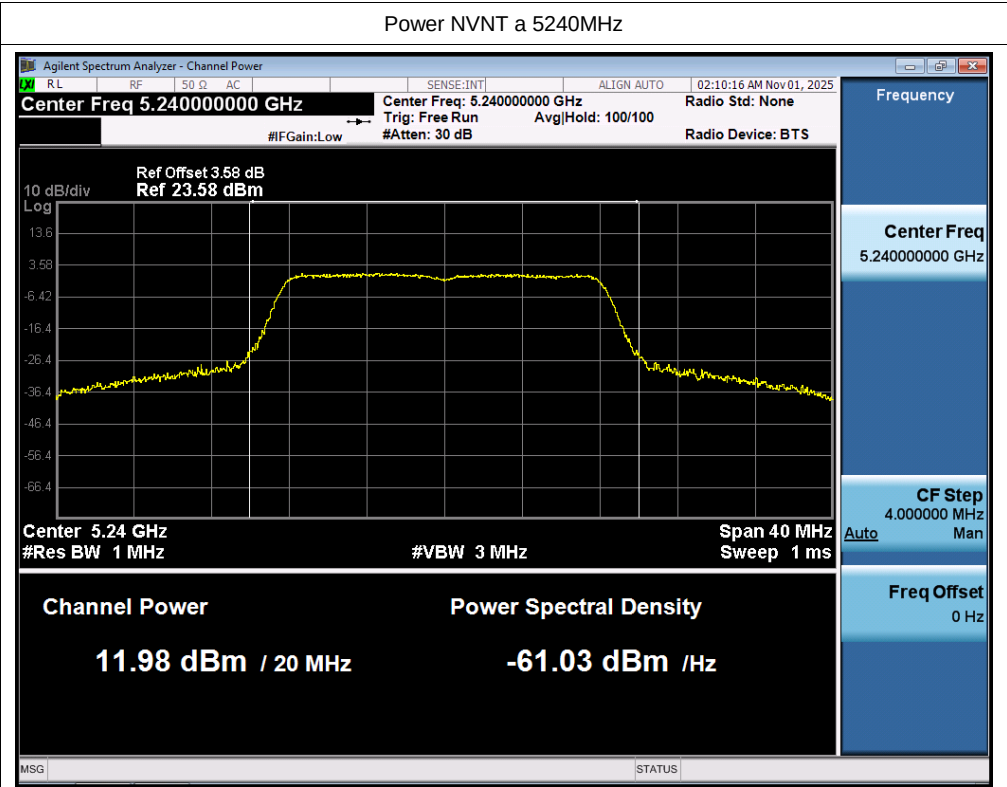
Duty Cycle NVNT ac80 5210MHz

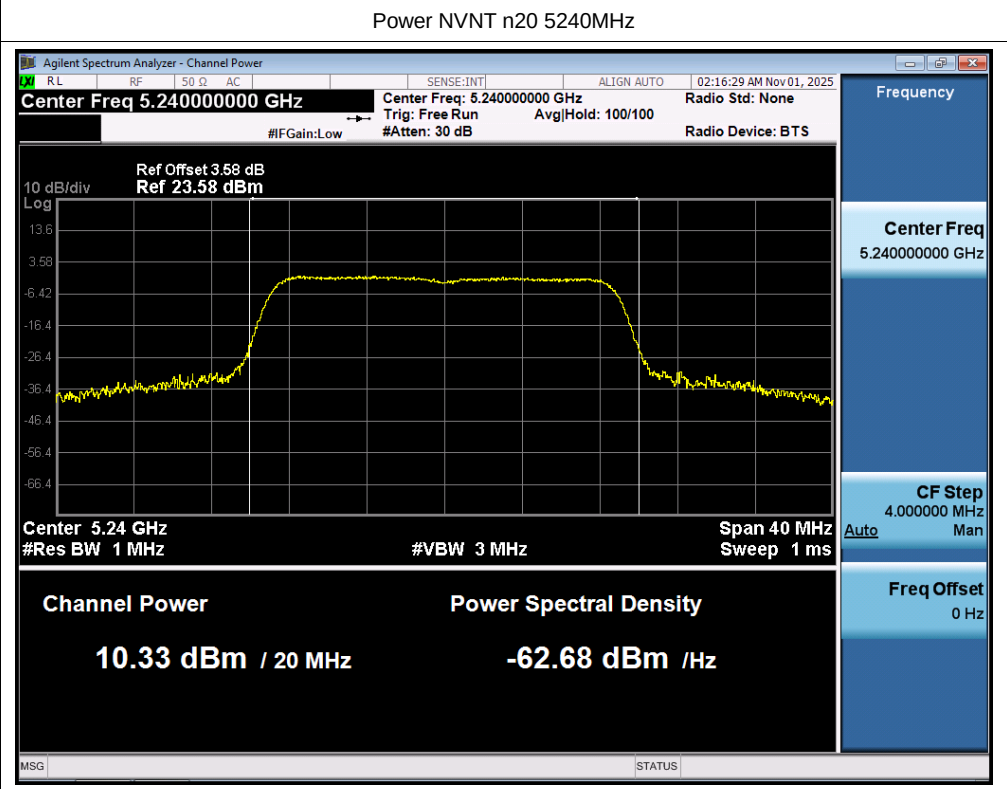
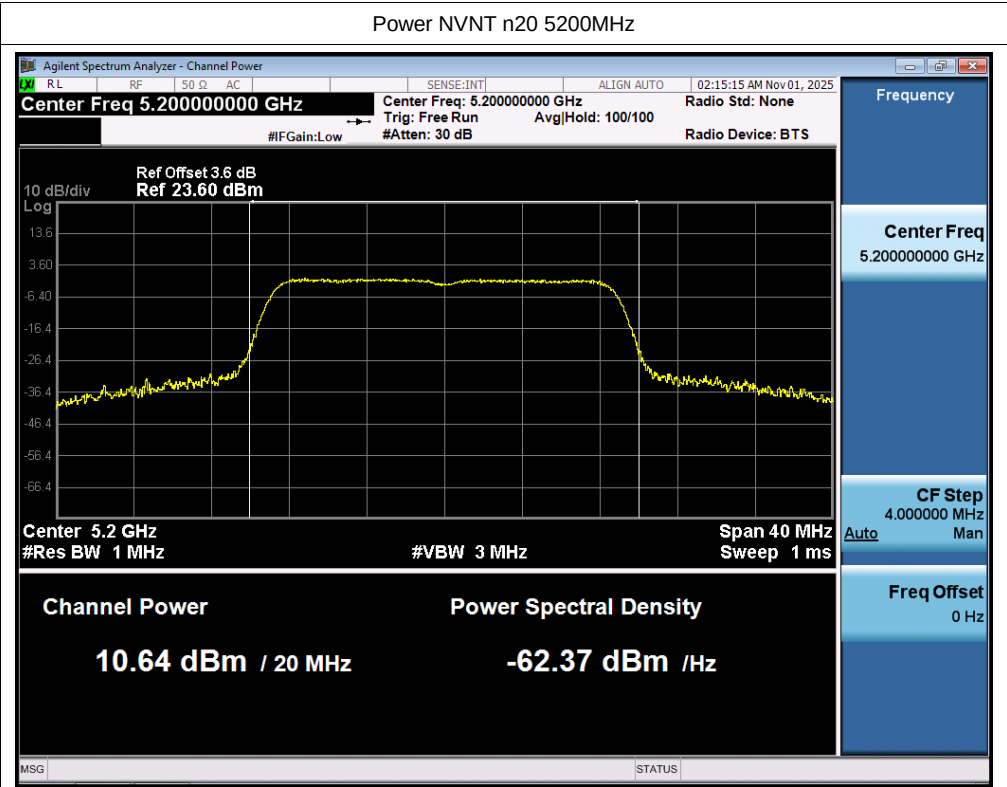


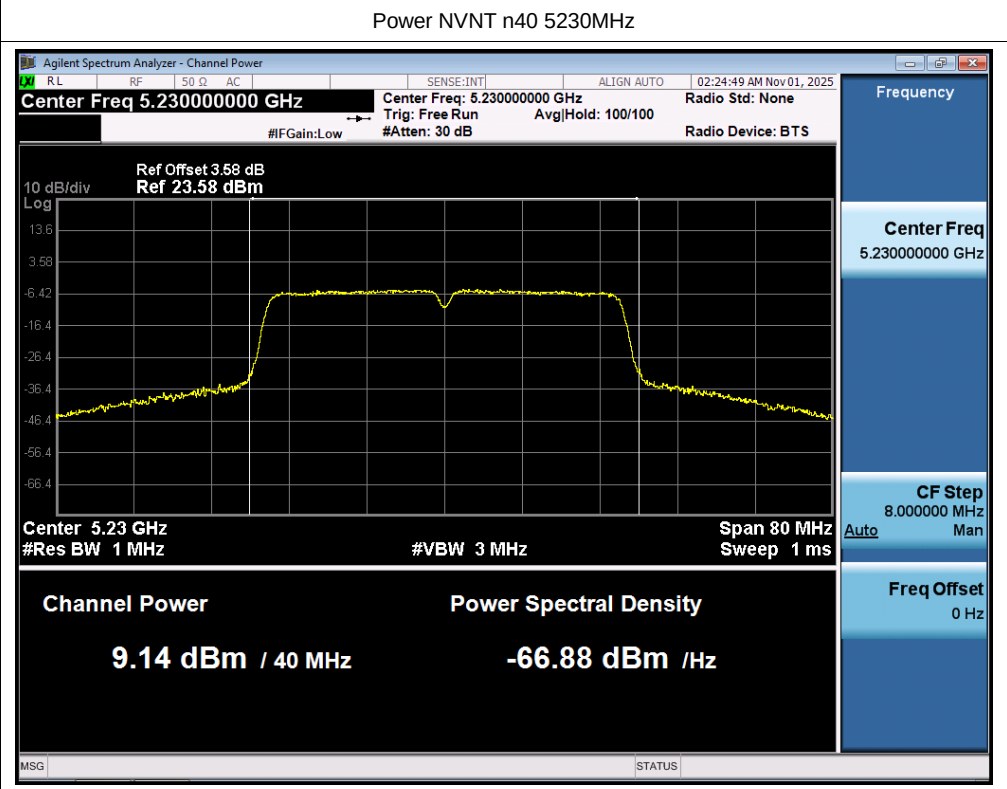
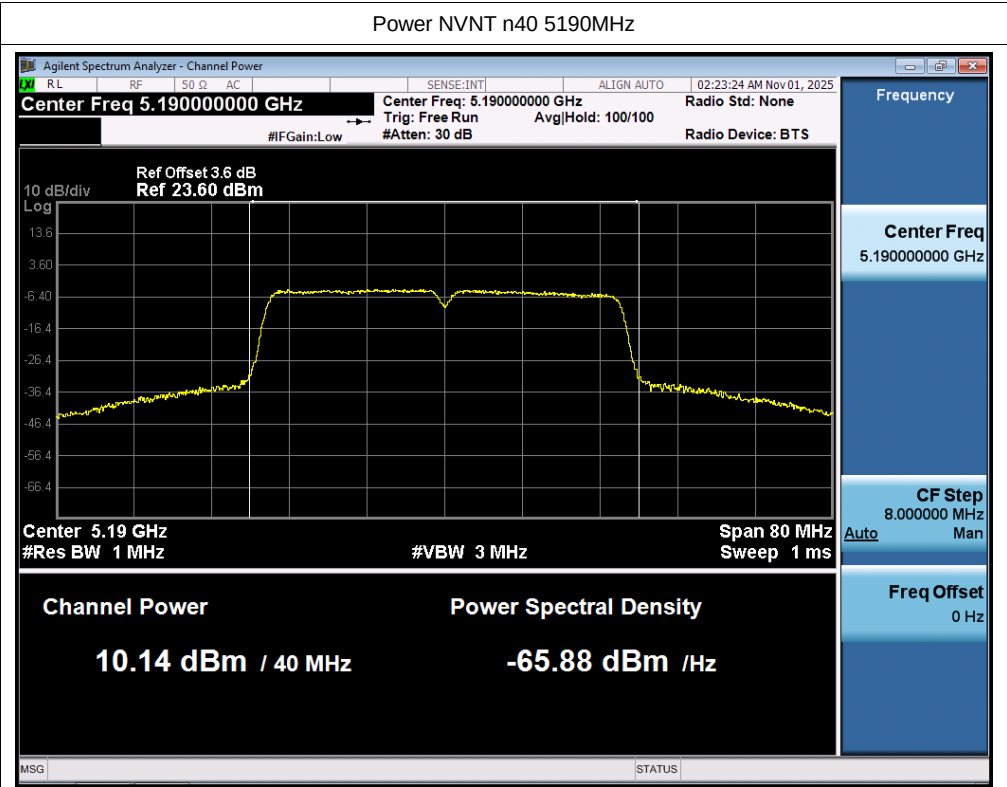
Maximum Conducted Output Power

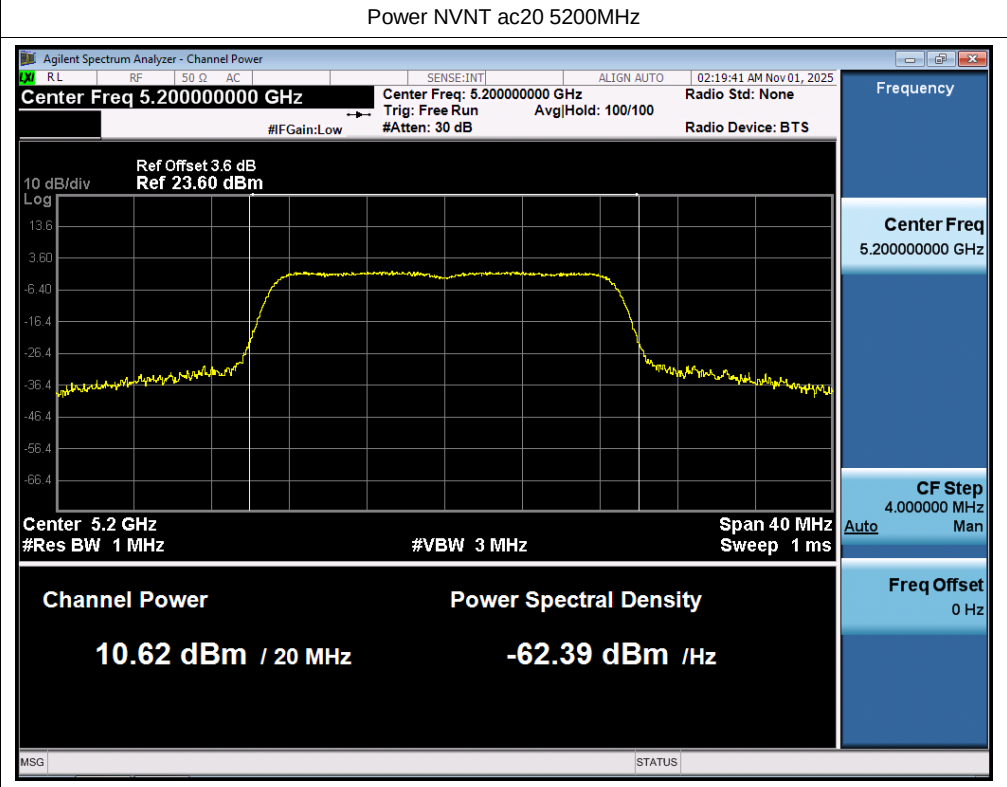
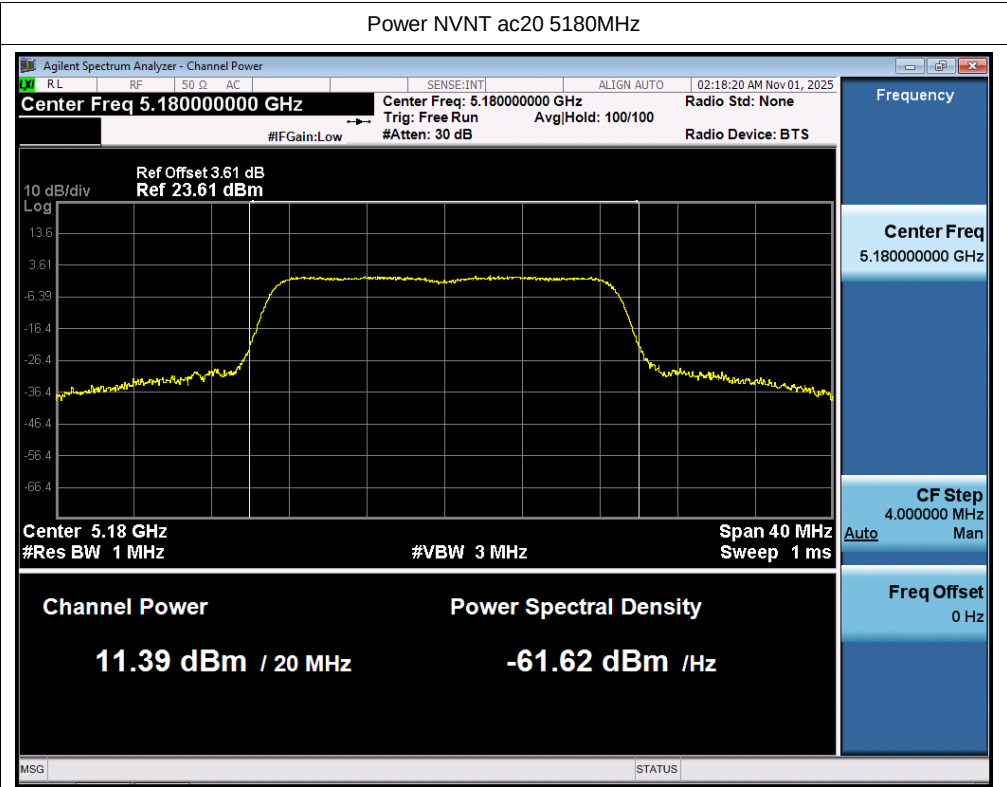
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	12.86	24	Pass
NVNT	a	5200	11.98	24	Pass
NVNT	a	5240	11.98	24	Pass
NVNT	n20	5180	11.3	24	Pass
NVNT	n20	5200	10.64	24	Pass
NVNT	n20	5240	10.33	24	Pass
NVNT	n40	5190	10.14	24	Pass
NVNT	n40	5230	9.14	24	Pass
NVNT	ac20	5180	11.39	24	Pass
NVNT	ac20	5200	10.62	24	Pass
NVNT	ac20	5240	10.13	24	Pass
NVNT	ac40	5190	9.85	24	Pass
NVNT	ac40	5230	9.2	24	Pass
NVNT	ac80	5210	8.56	24	Pass

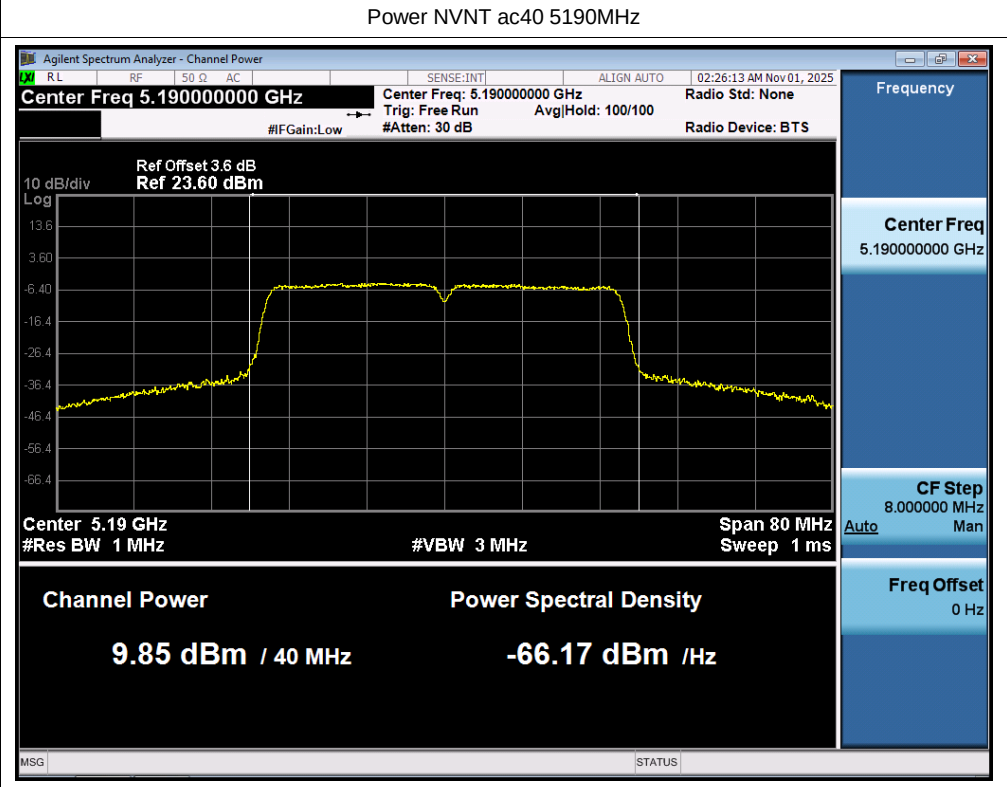
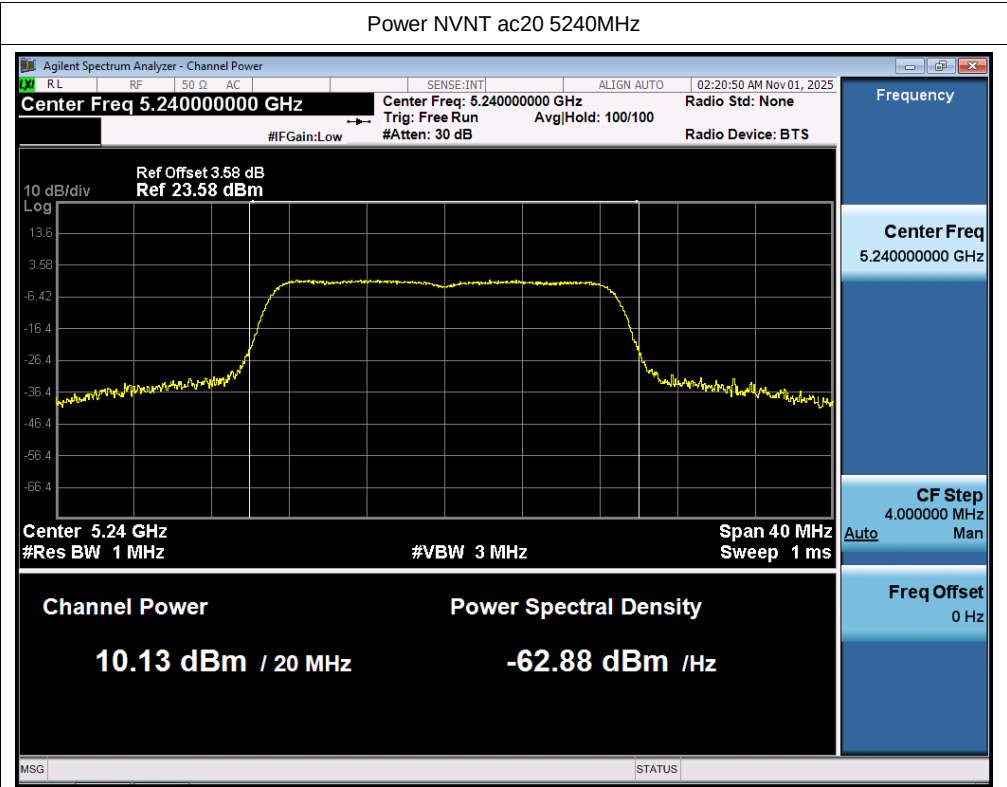


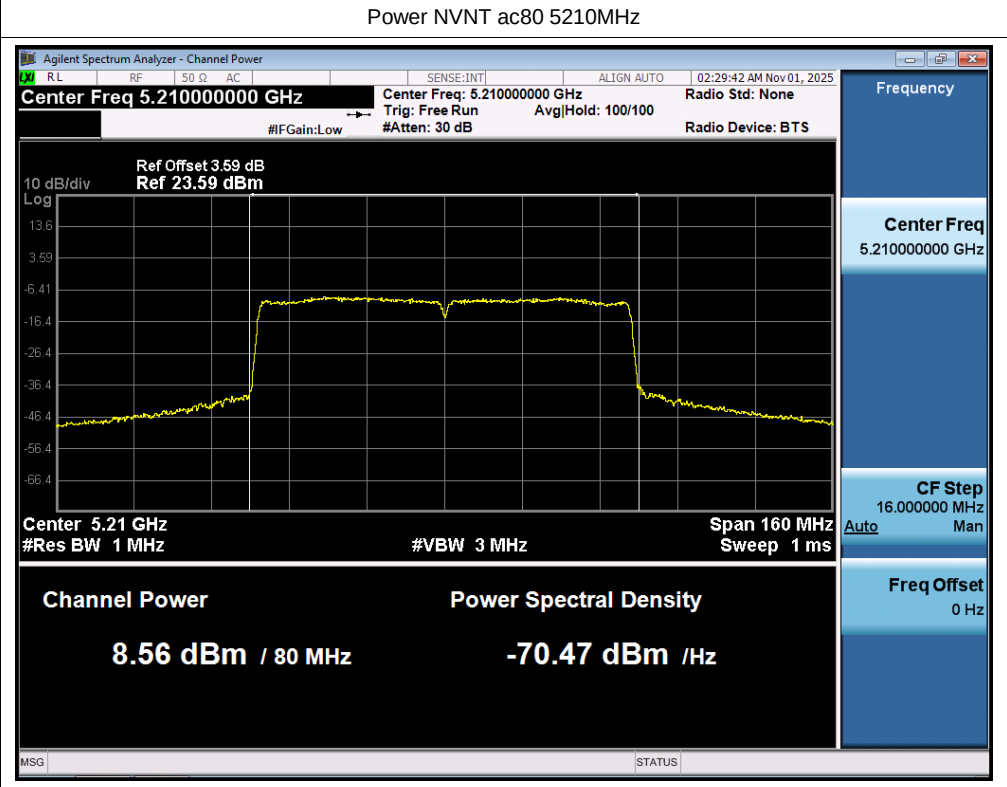
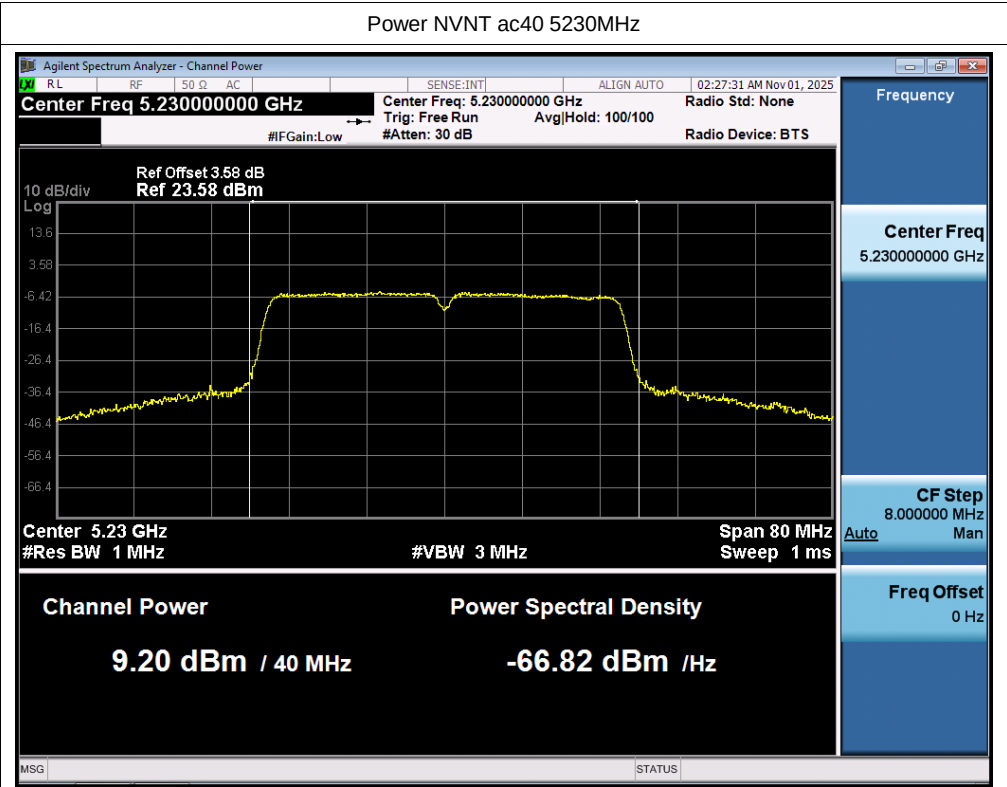






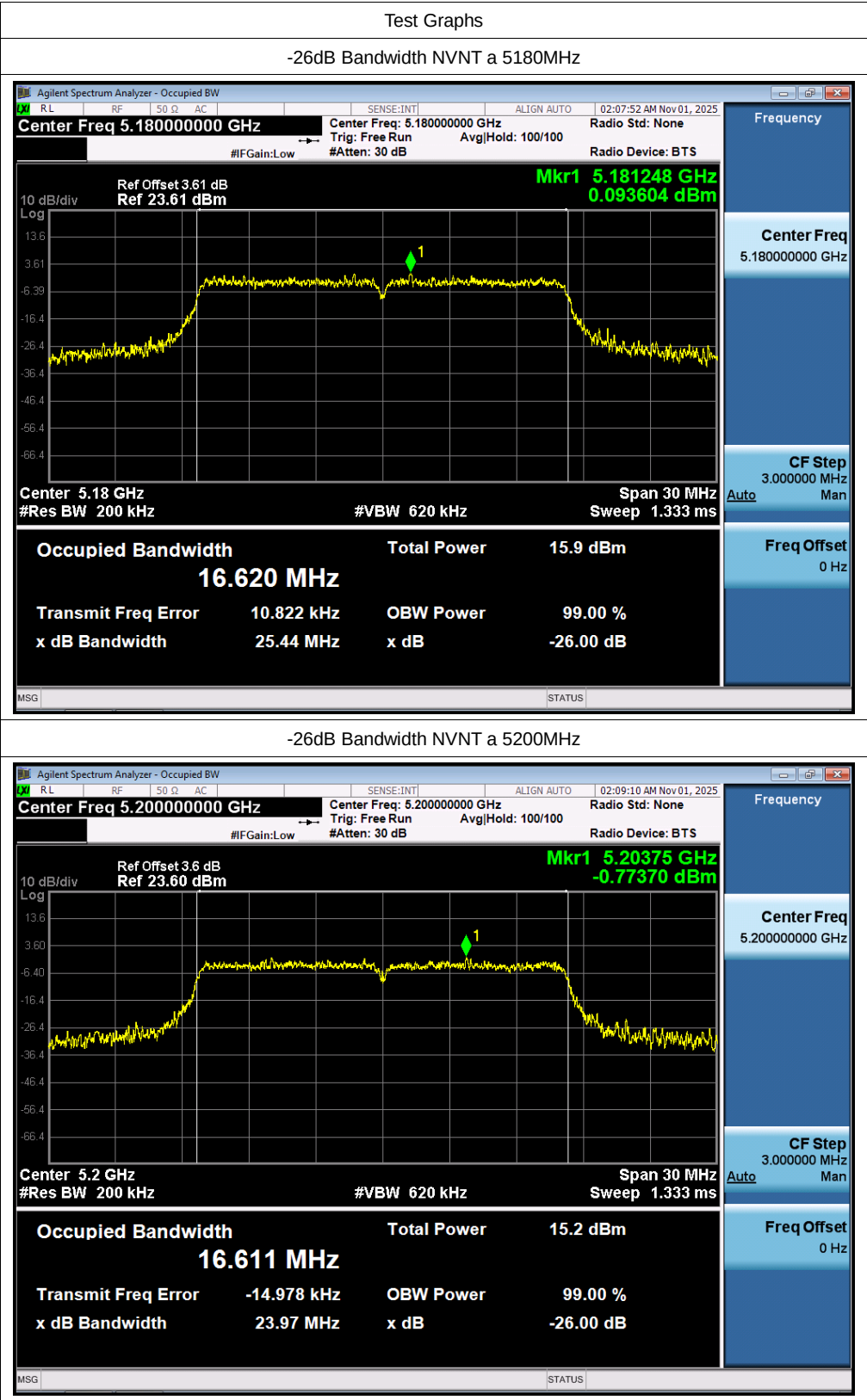






-26dB Bandwidth

Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	25.445	0.5	Pass
NVNT	a	5200	23.971	0.5	Pass
NVNT	a	5240	25.947	0.5	Pass
NVNT	n20	5180	25.819	0.5	Pass
NVNT	n20	5200	26.048	0.5	Pass
NVNT	n20	5240	26.032	0.5	Pass
NVNT	n40	5190	44.091	0.5	Pass
NVNT	n40	5230	43.609	0.5	Pass
NVNT	ac20	5180	23.906	0.5	Pass
NVNT	ac20	5200	25.19	0.5	Pass
NVNT	ac20	5240	23.342	0.5	Pass
NVNT	ac40	5190	40.771	0.5	Pass
NVNT	ac40	5230	45.653	0.5	Pass
NVNT	ac80	5210	96.45	0.5	Pass



-26dB Bandwidth NVNT a 5200MHz

Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:INT

ALIGN AUTO

02:09:10 AM Nov 01, 2025

Center Freq 5.200000000 GHz

Center Freq: 5.200000000 GHz

Radio Std: None

#FGain:Low

Trig: Free Run

Avg|Hold: 100/100

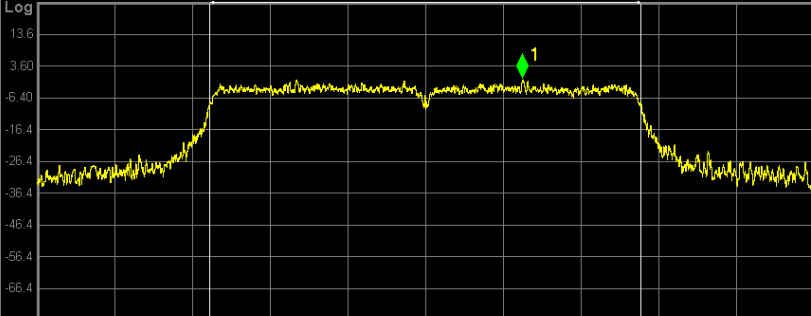
Radio Device: BTS

Ref Offset 3.6 dB

Ref 23.60 dBm

Mkr1 5.20375 GHz

-0.77370 dBm



Center 5.2 GHz

#Res BW 200 kHz

#VBW 620 kHz

Span 30 MHz

Sweep 1.333 ms

Occupied Bandwidth

16.611 MHz

Total Power

15.2 dBm

Transmit Freq Error

-14.978 kHz

OBW Power

99.00 %

x dB Bandwidth

23.97 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.200000000 GHz

CF Step

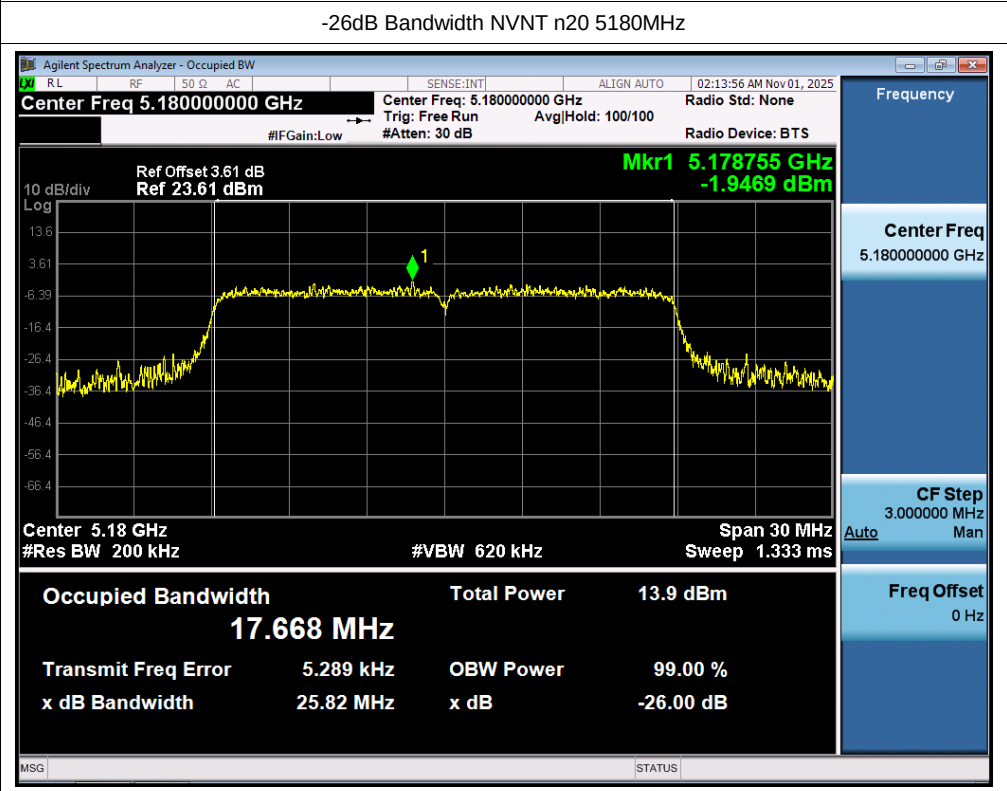
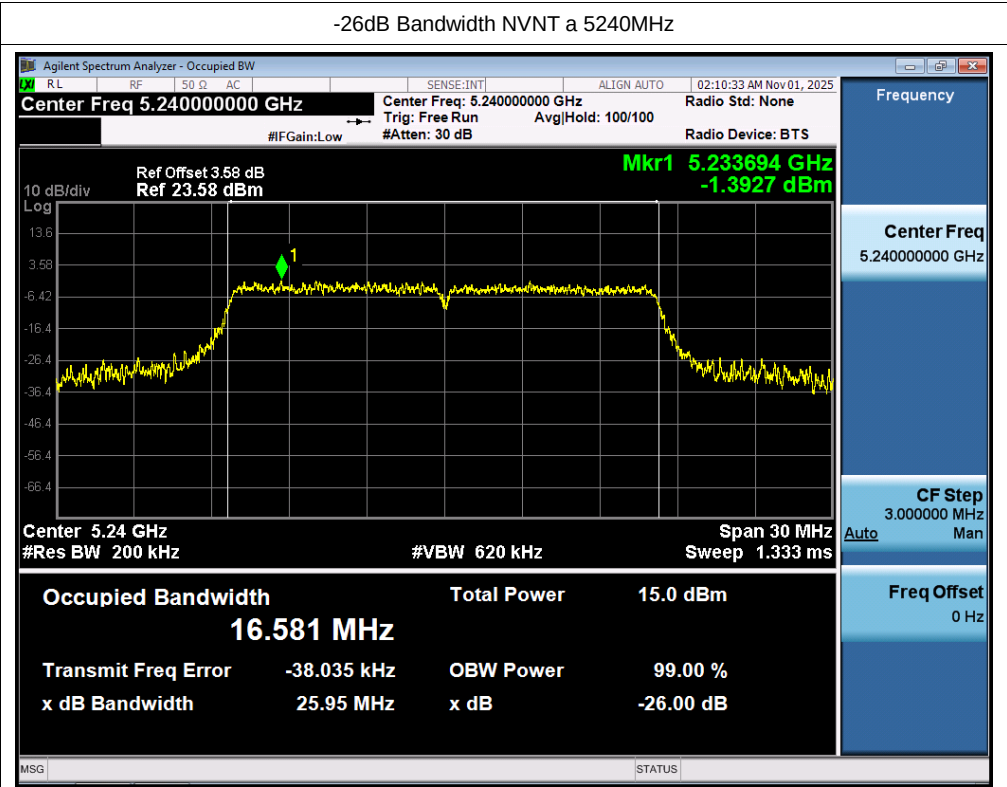
3.000000 MHz

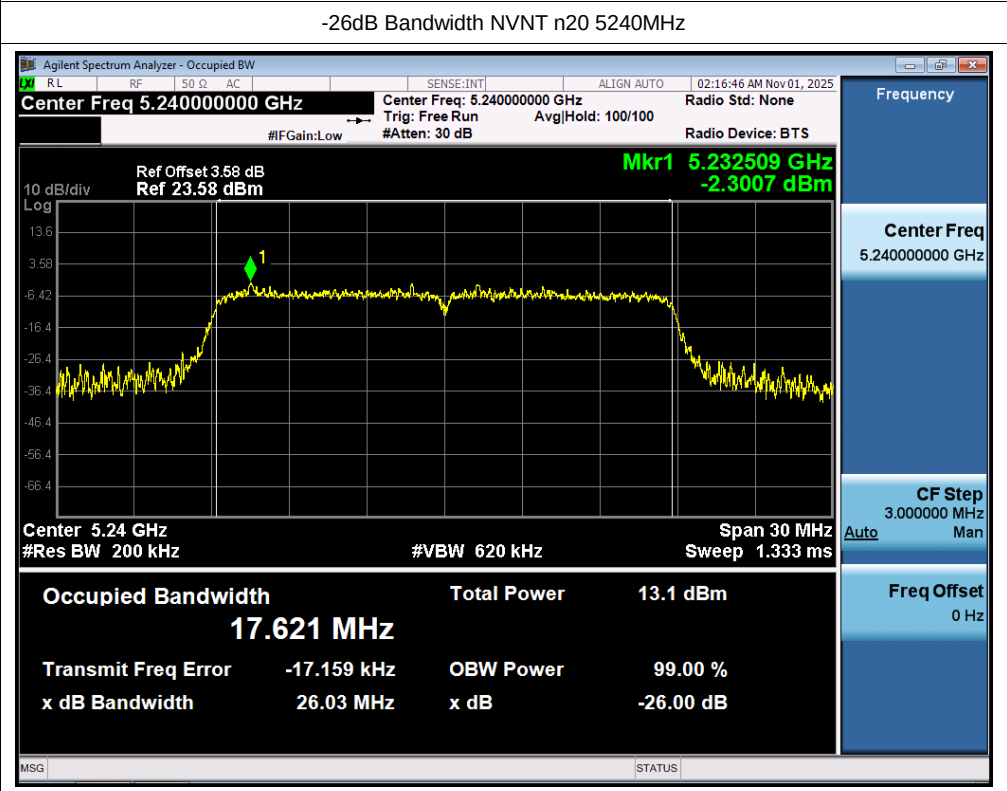
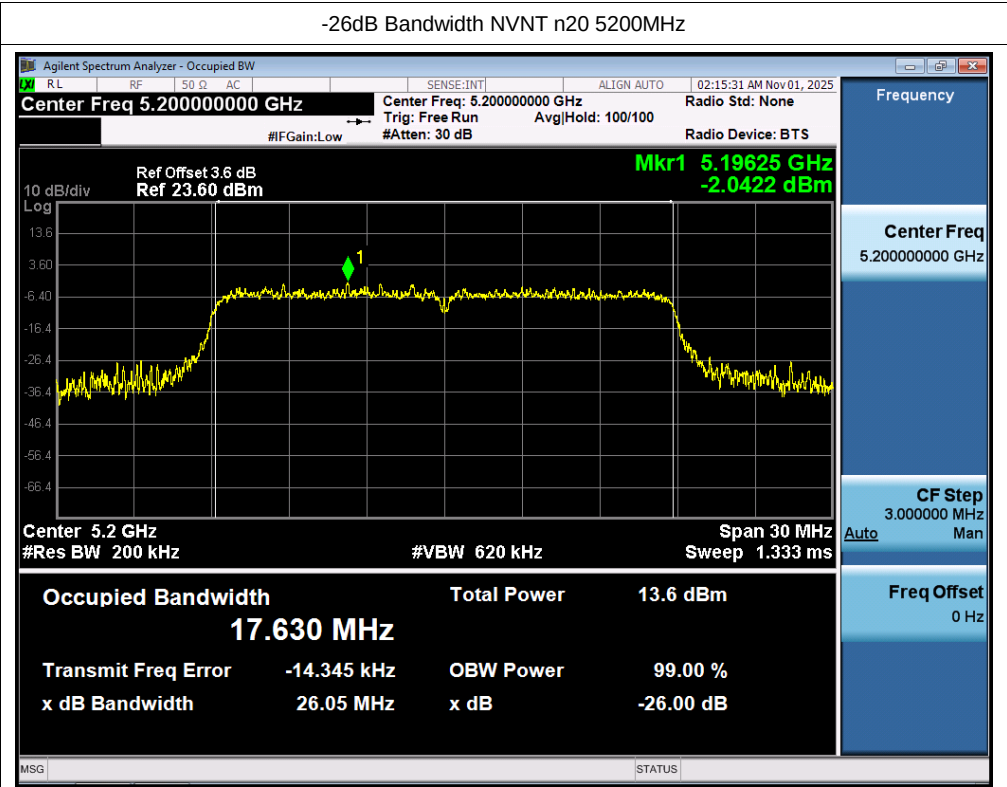
Auto

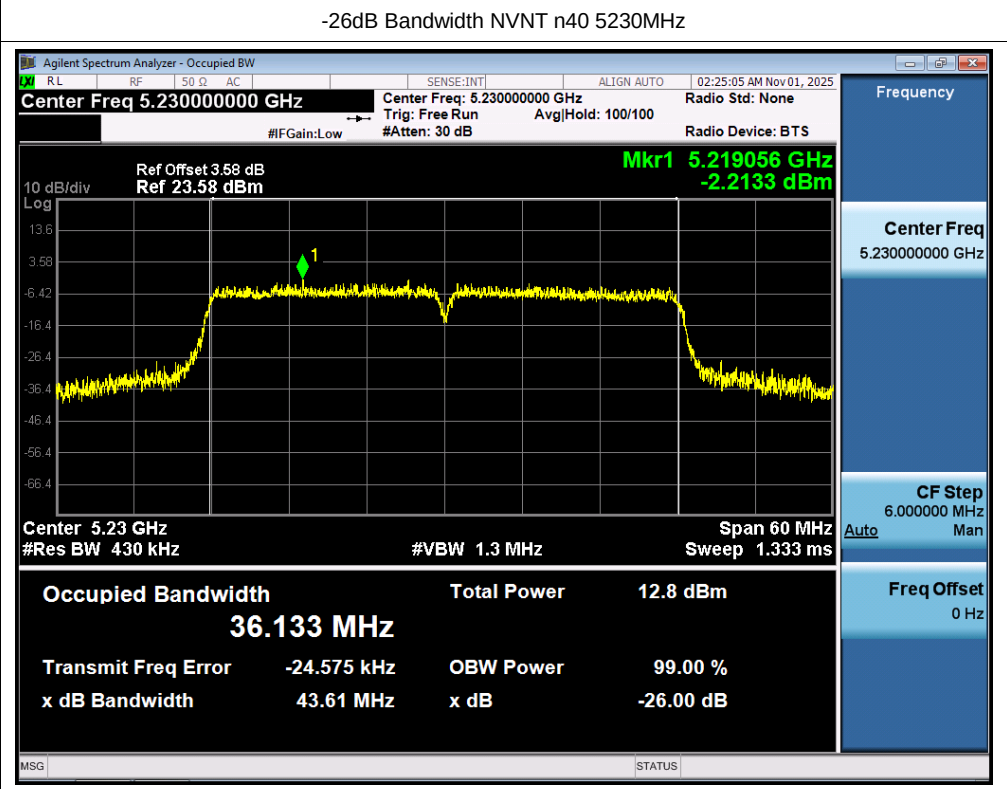
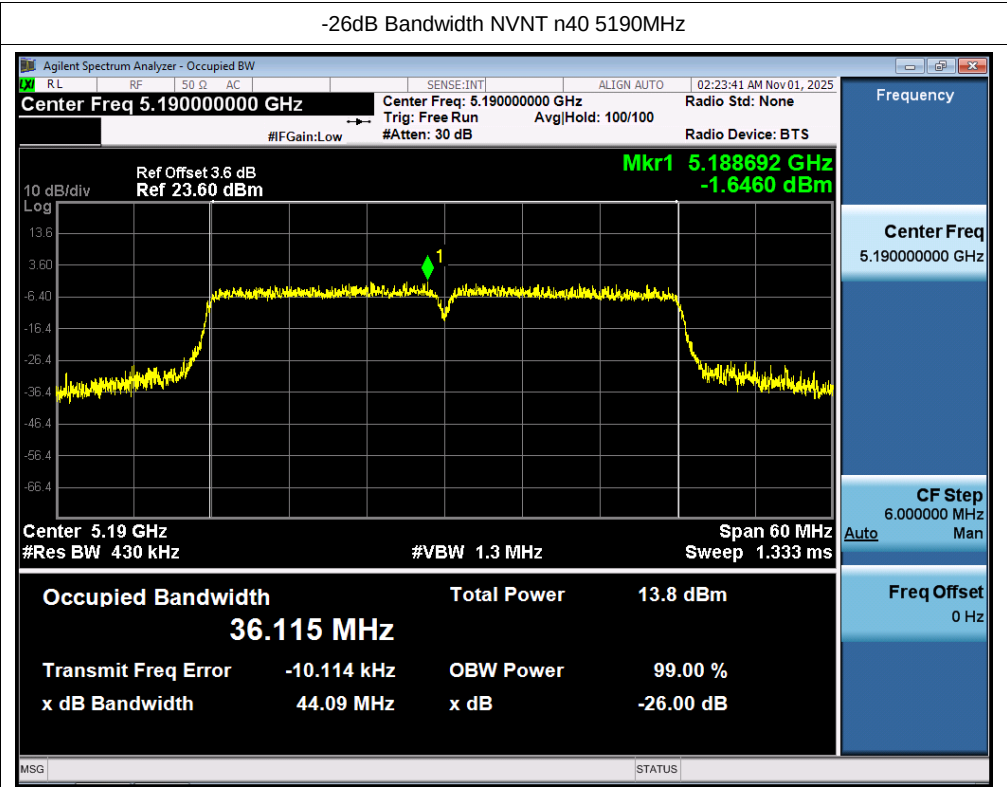
Man

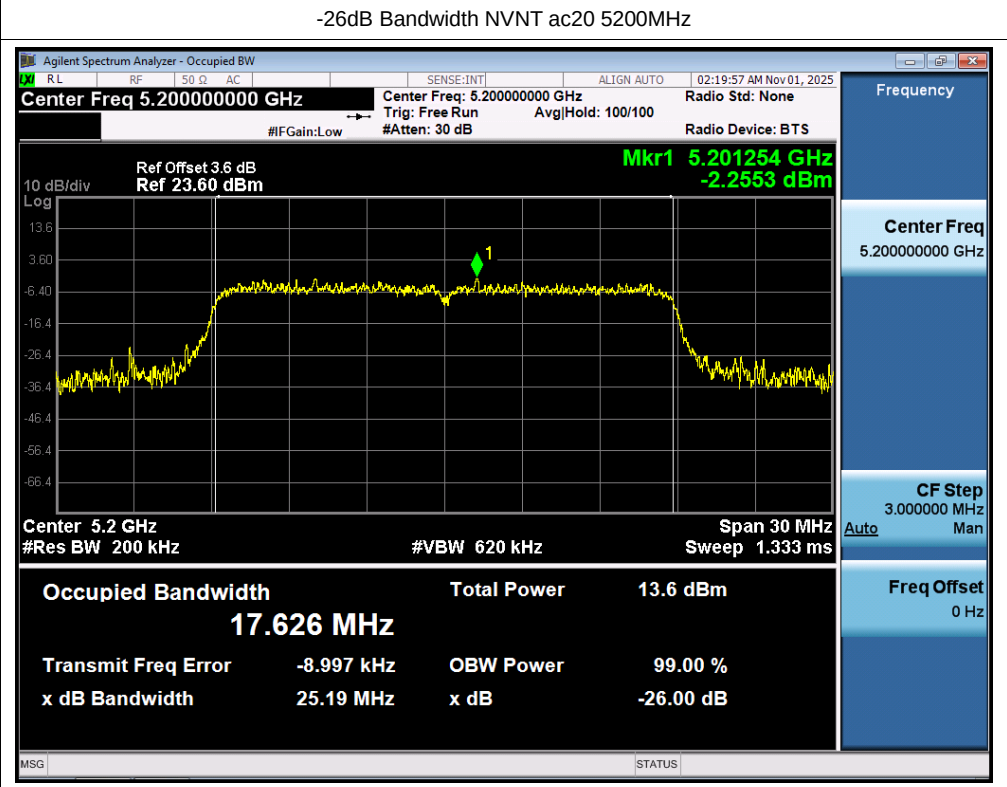
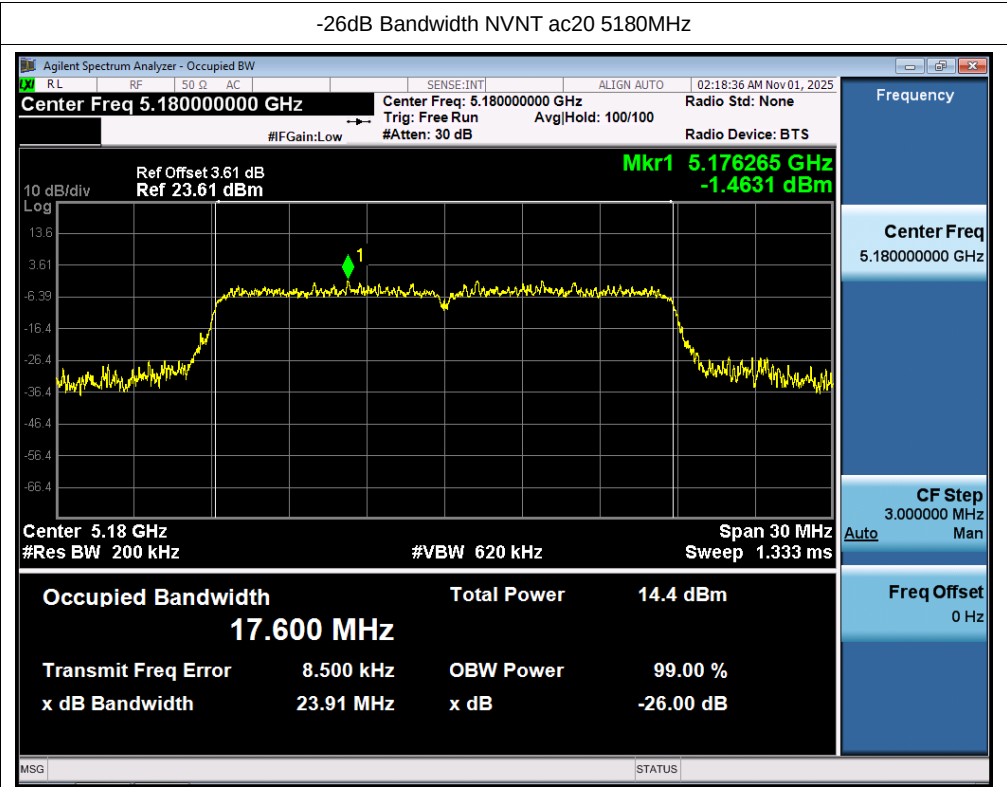
Freq Offset

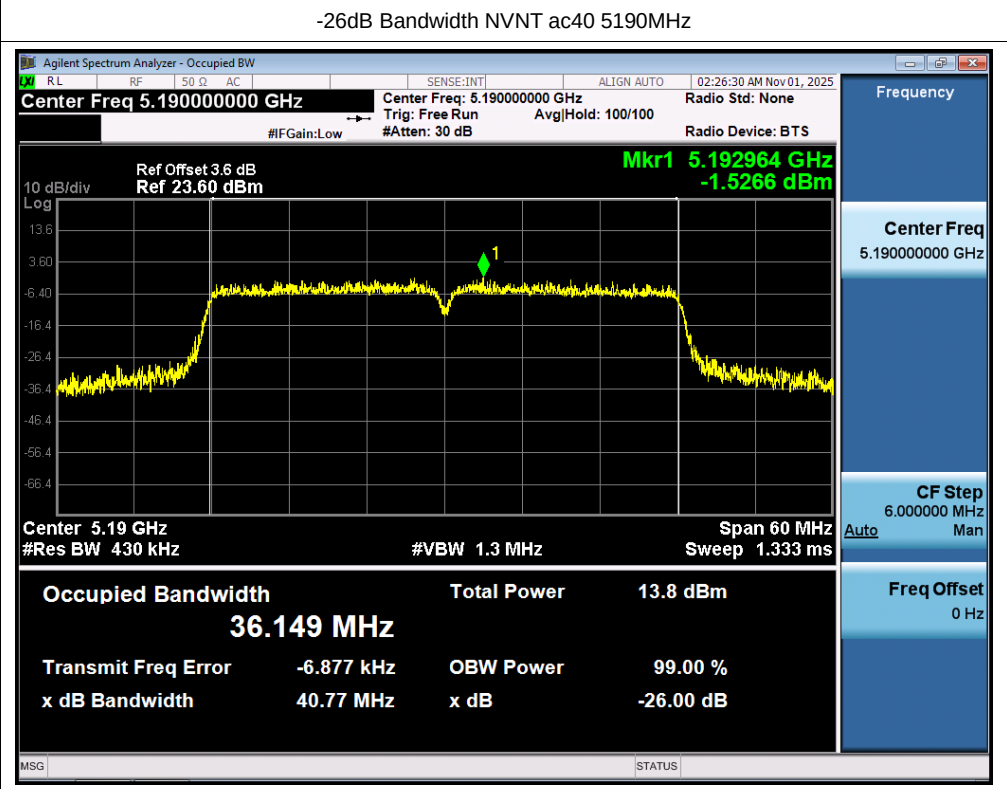
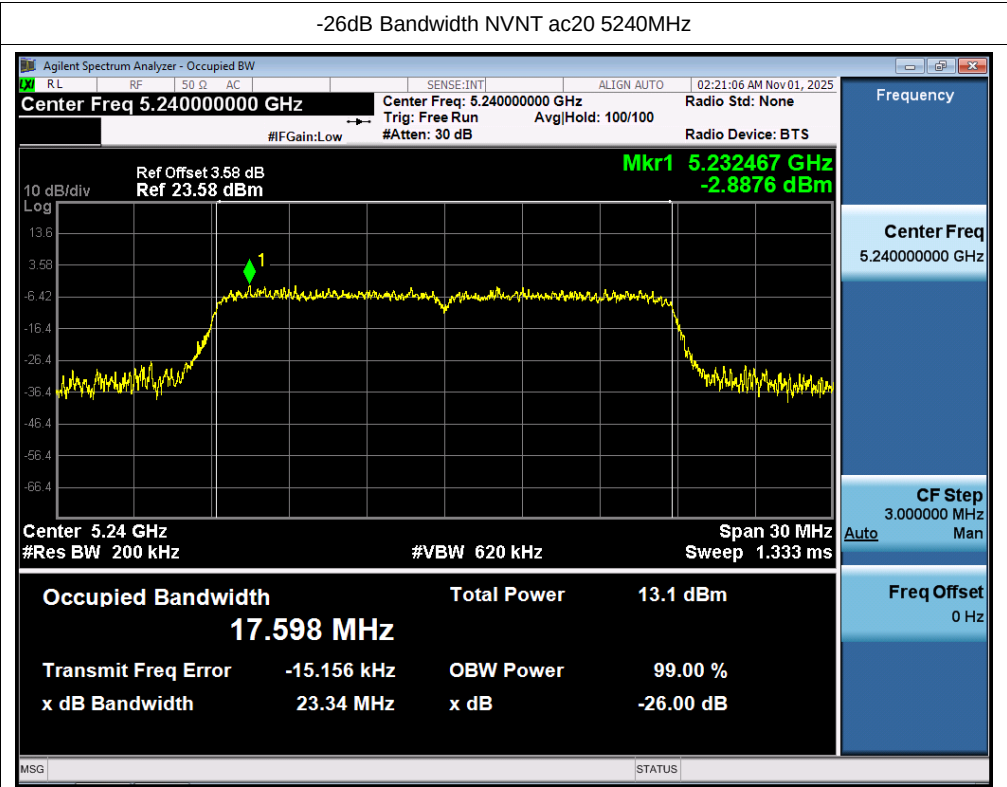
0 Hz

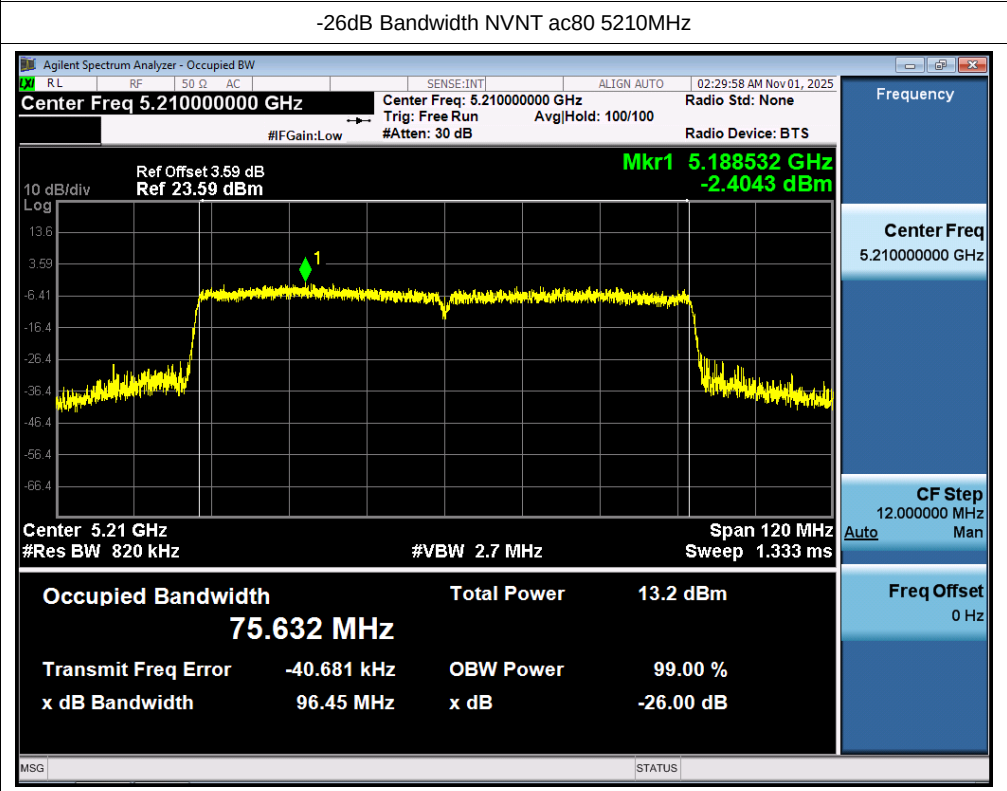
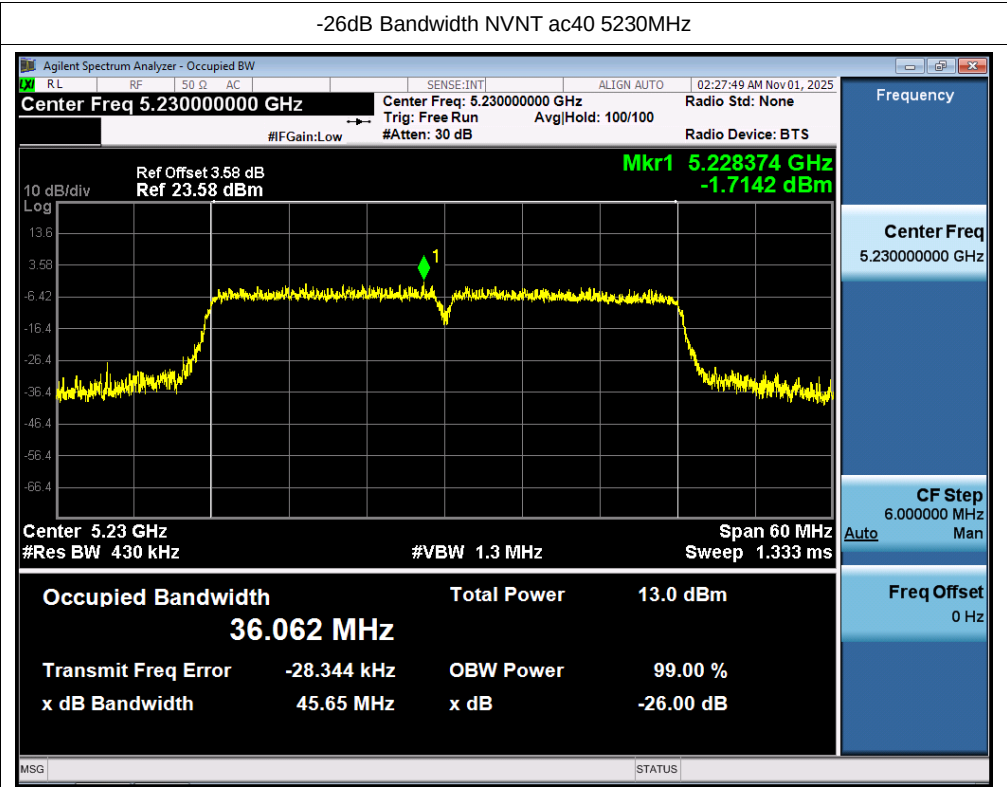






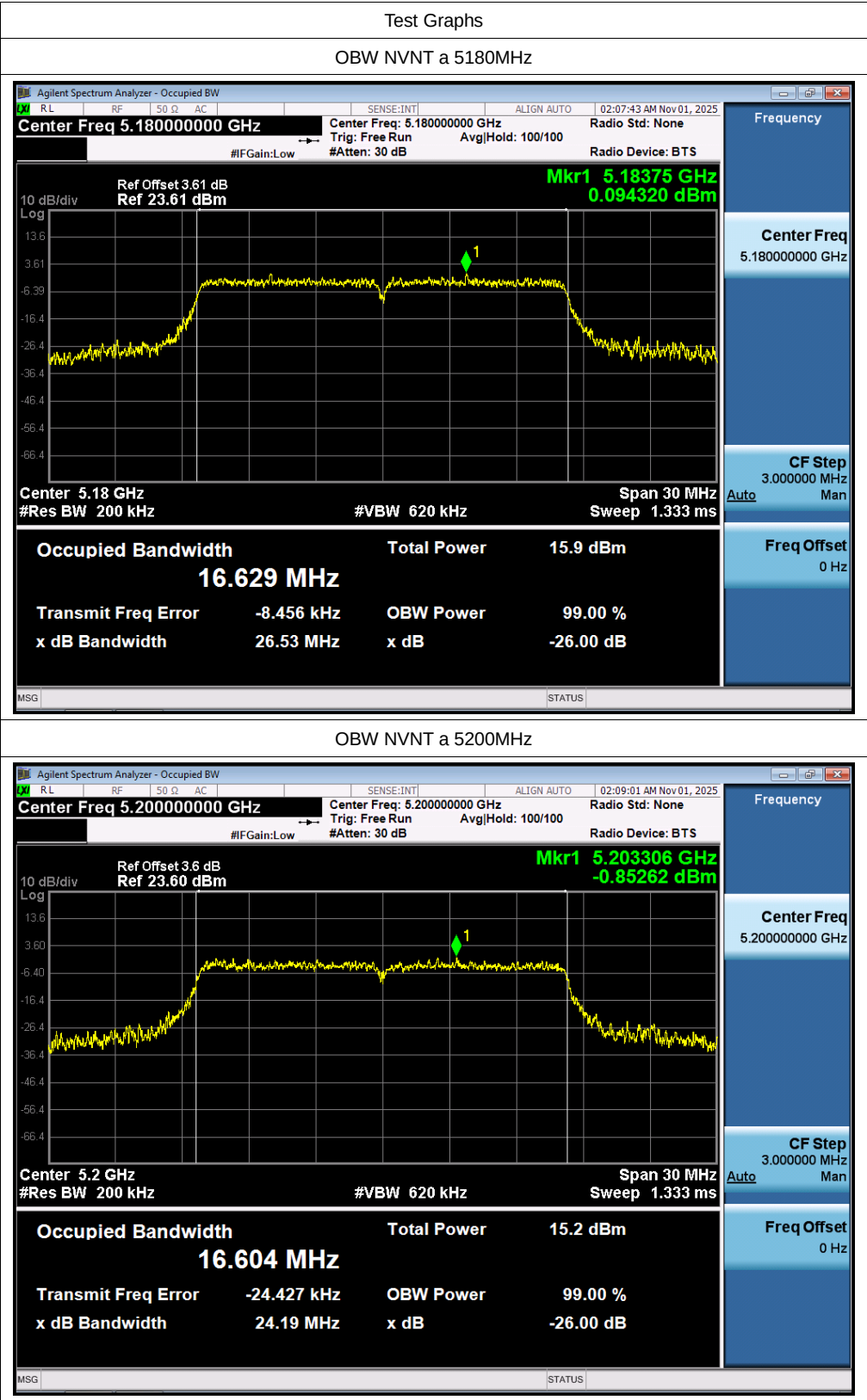


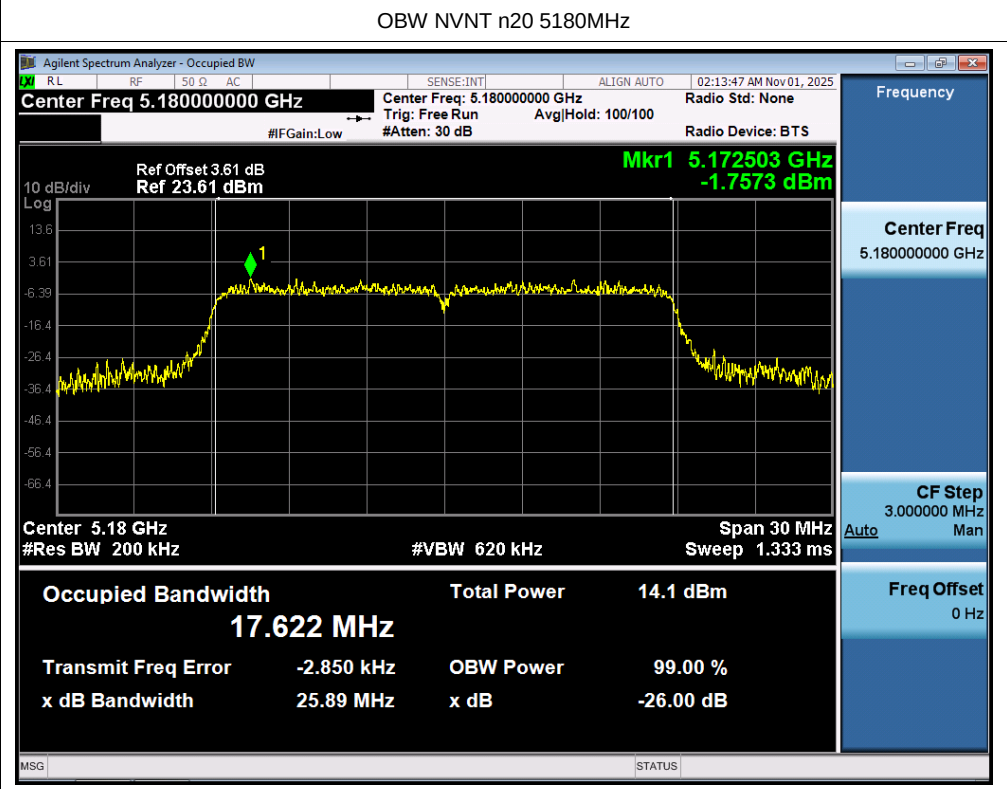
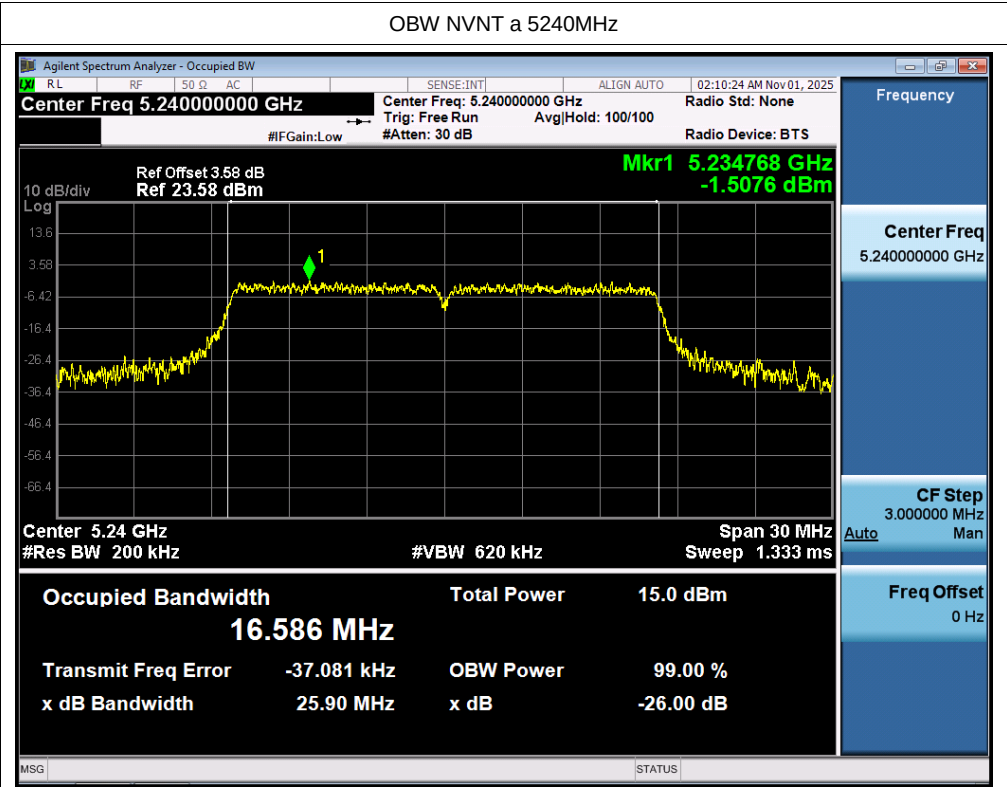


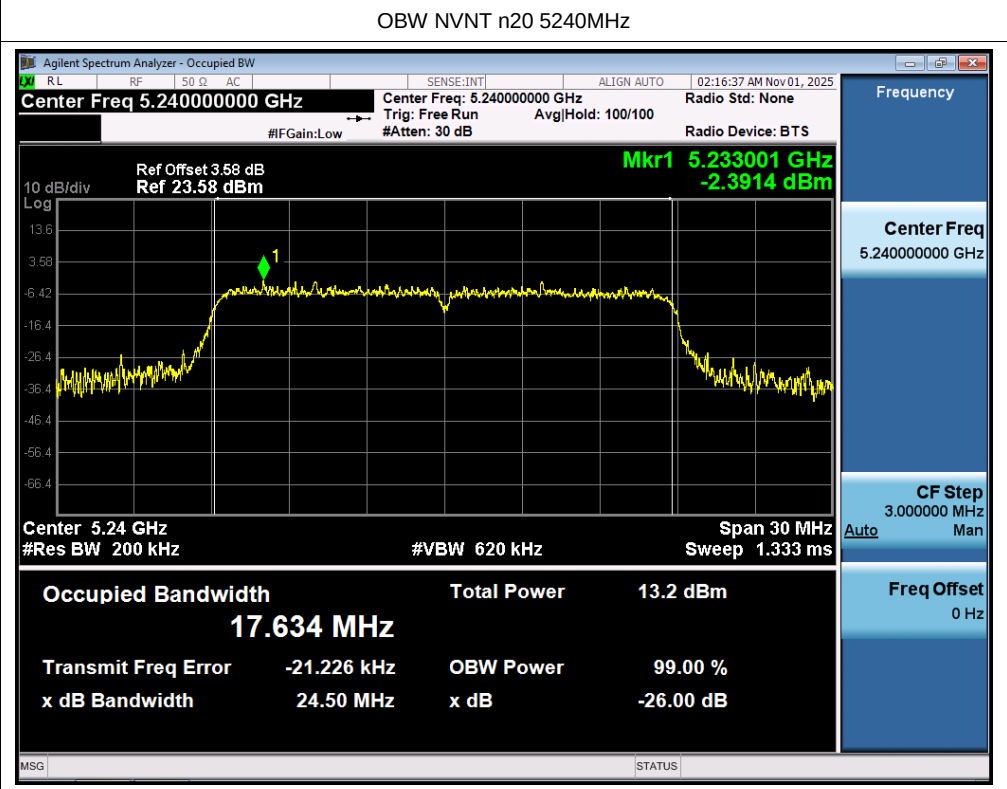
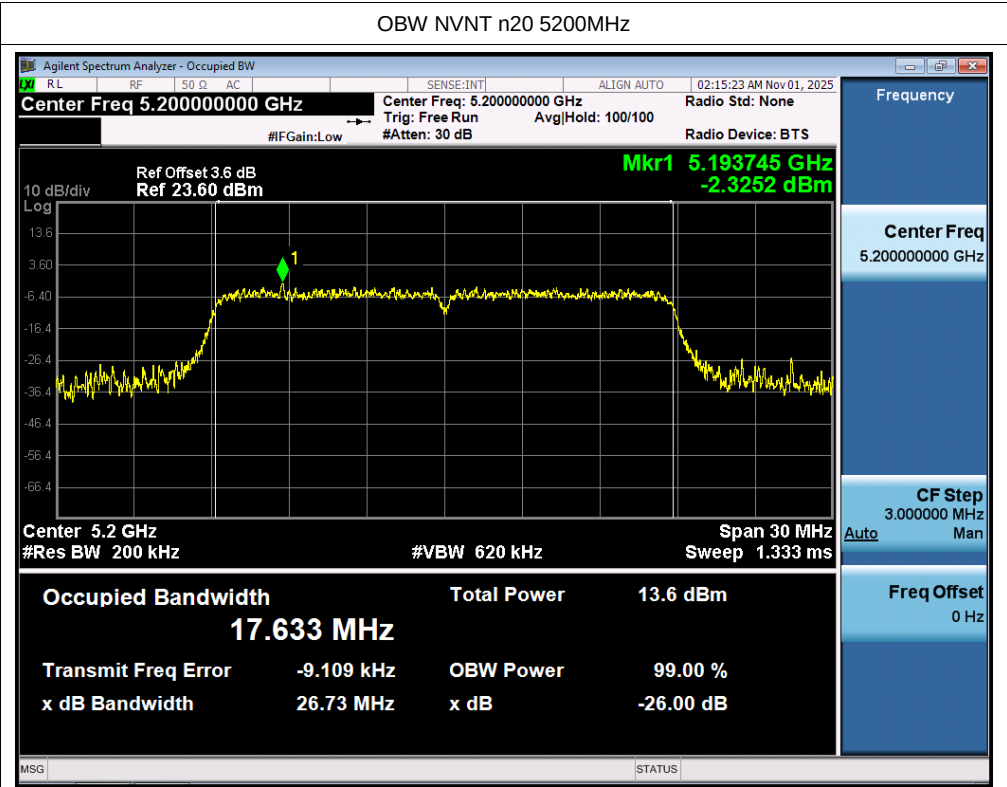


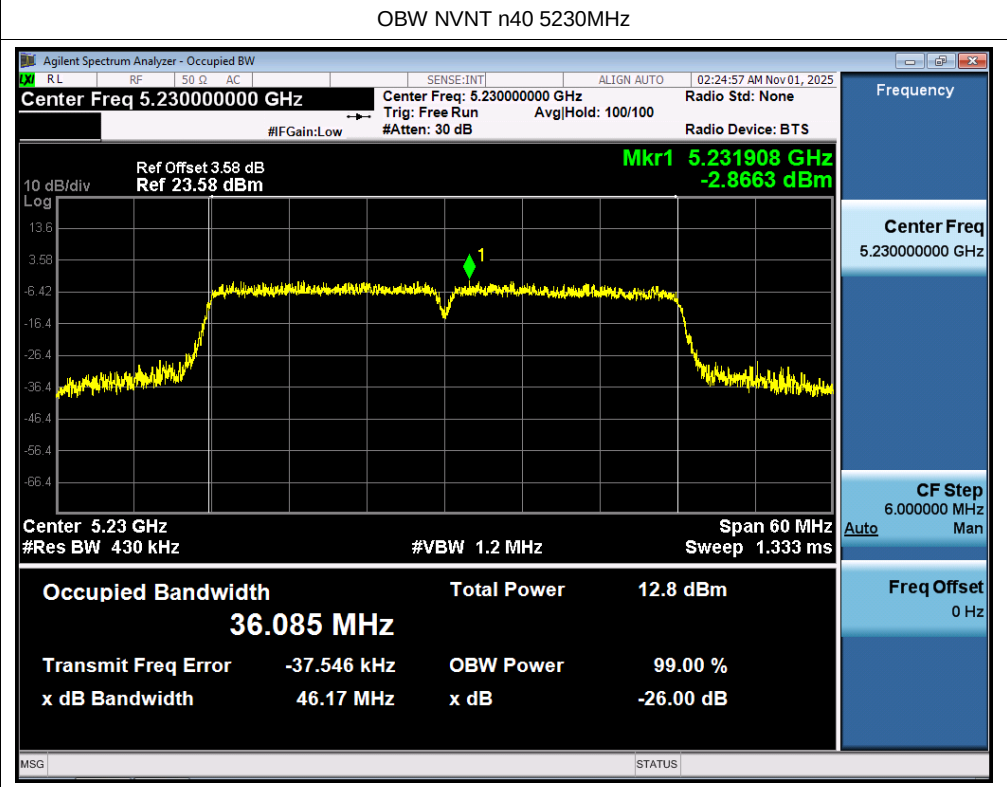
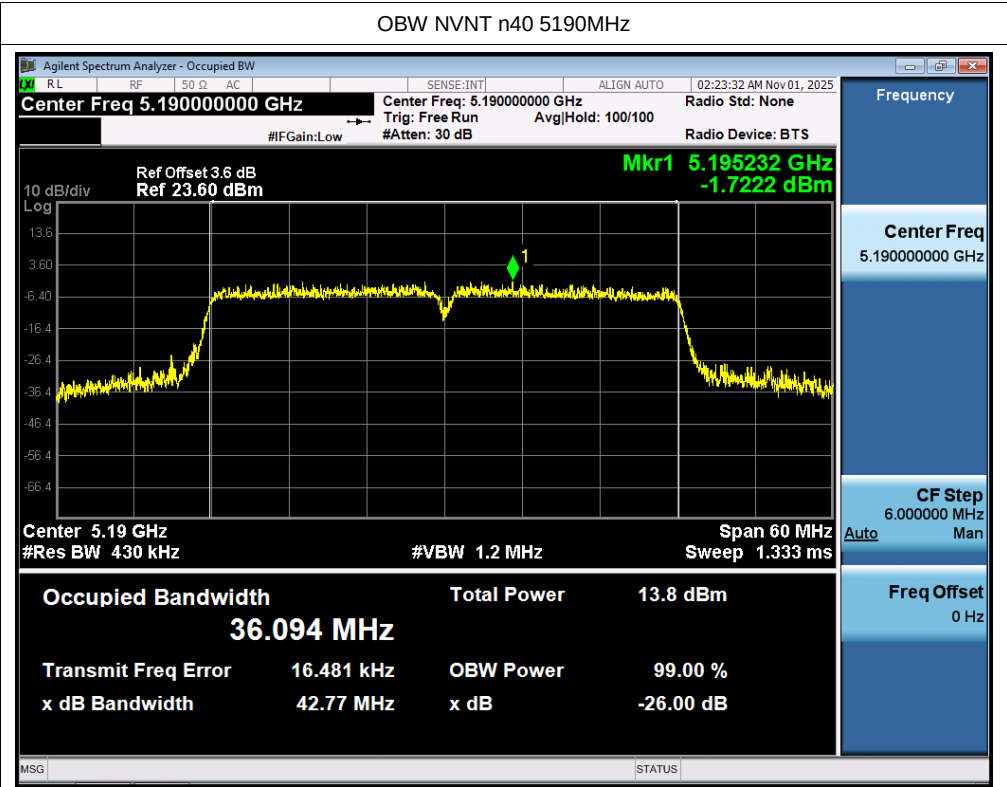
Occupied Channel Bandwidth

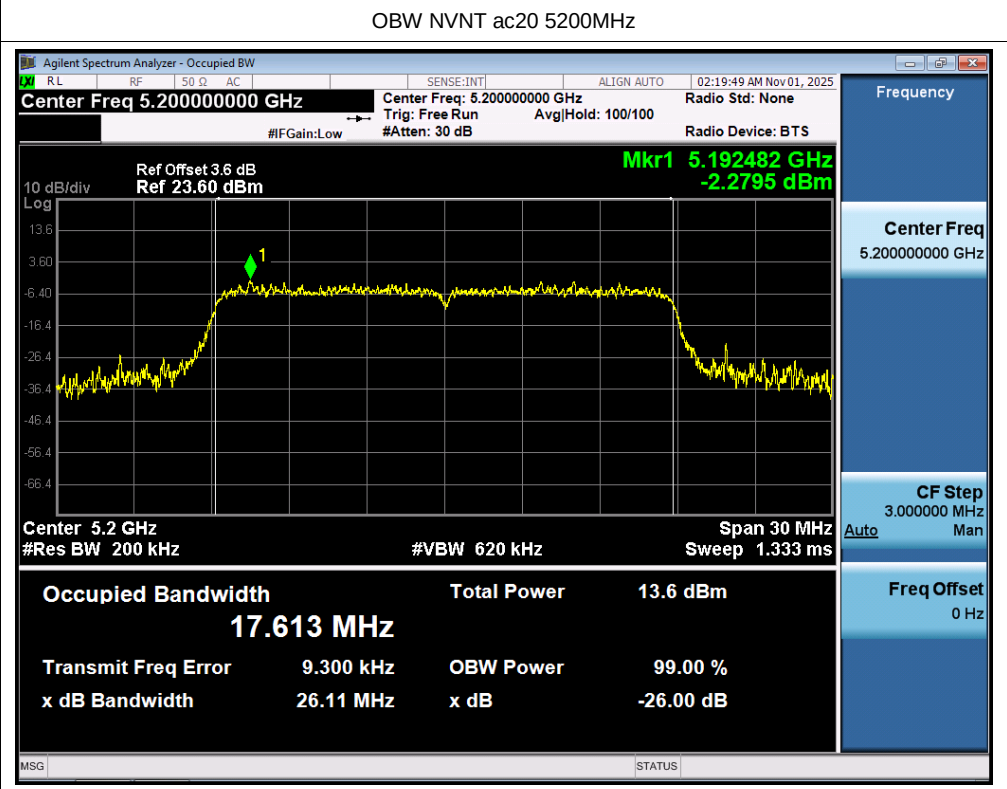
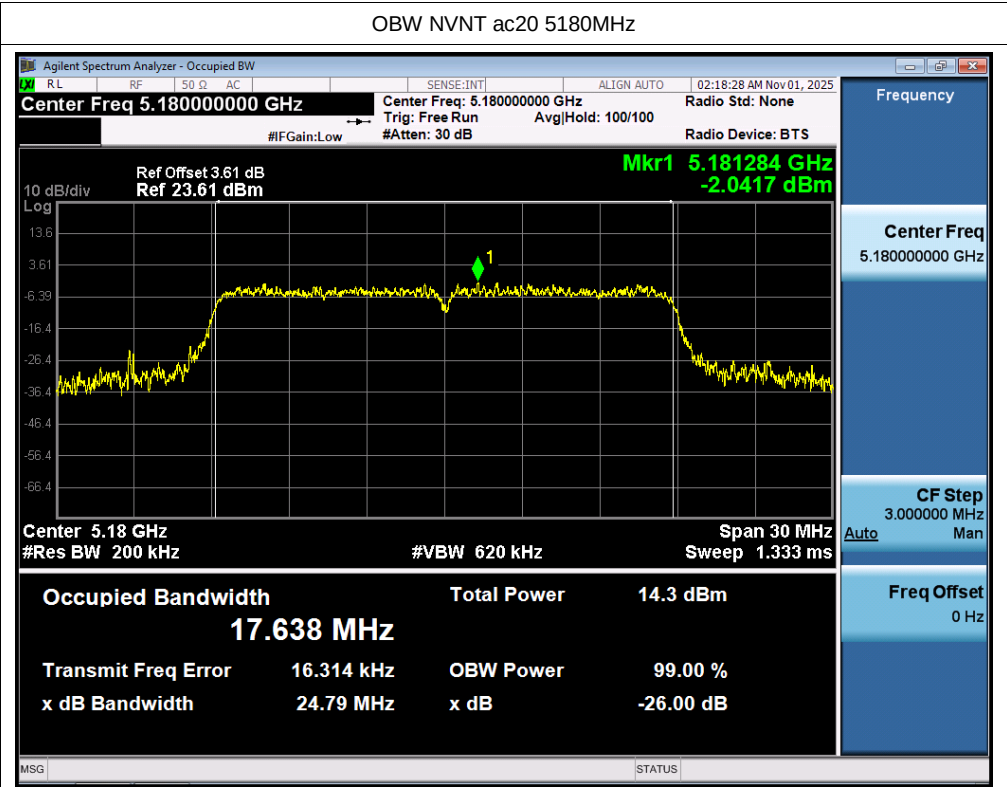
Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5180	16.629
NVNT	a	5200	16.604
NVNT	a	5240	16.586
NVNT	n20	5180	17.622
NVNT	n20	5200	17.633
NVNT	n20	5240	17.634
NVNT	n40	5190	36.094
NVNT	n40	5230	36.085
NVNT	ac20	5180	17.638
NVNT	ac20	5200	17.613
NVNT	ac20	5240	17.622
NVNT	ac40	5190	36.108
NVNT	ac40	5230	36.126
NVNT	ac80	5210	75.602

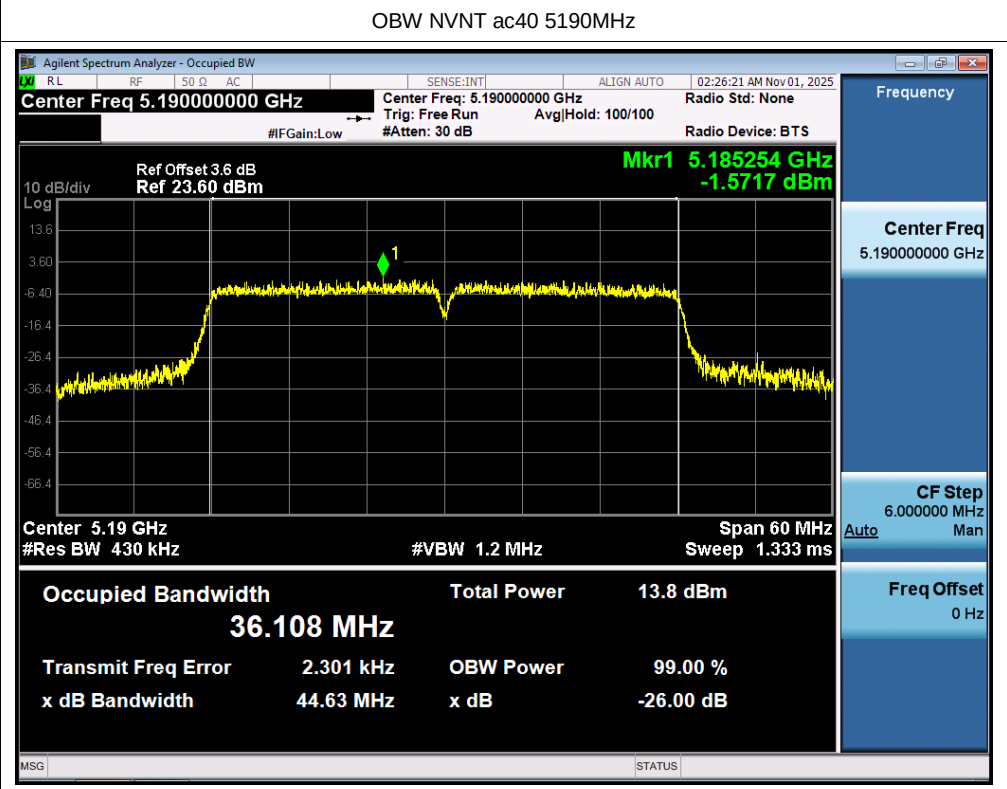
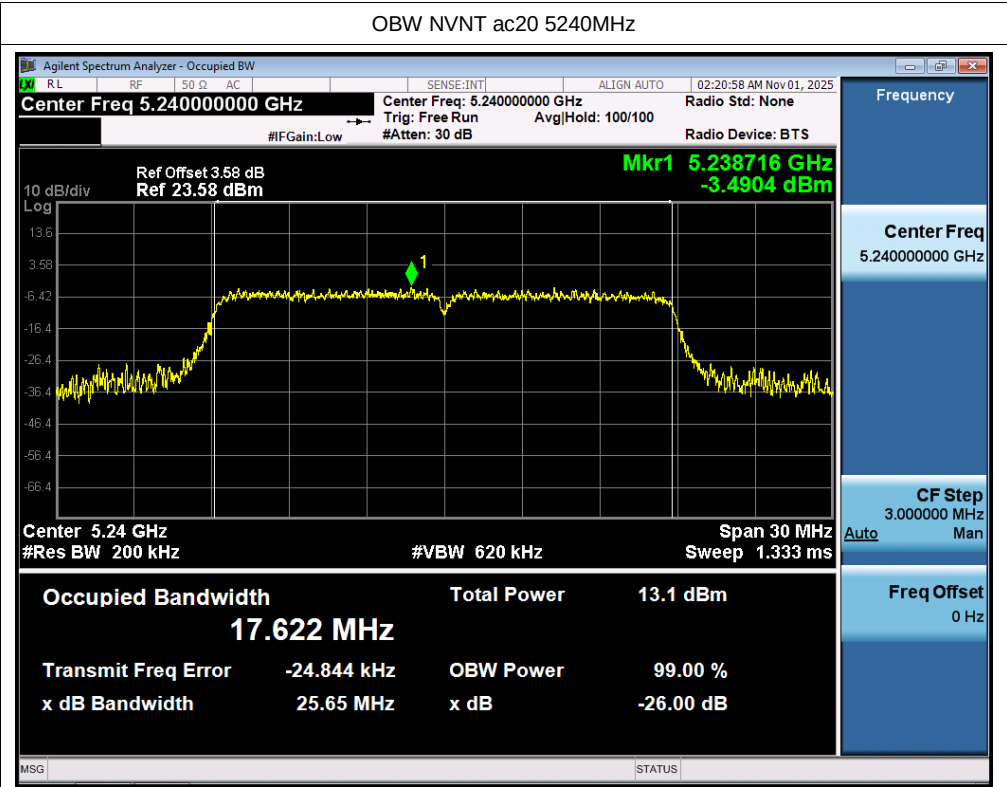


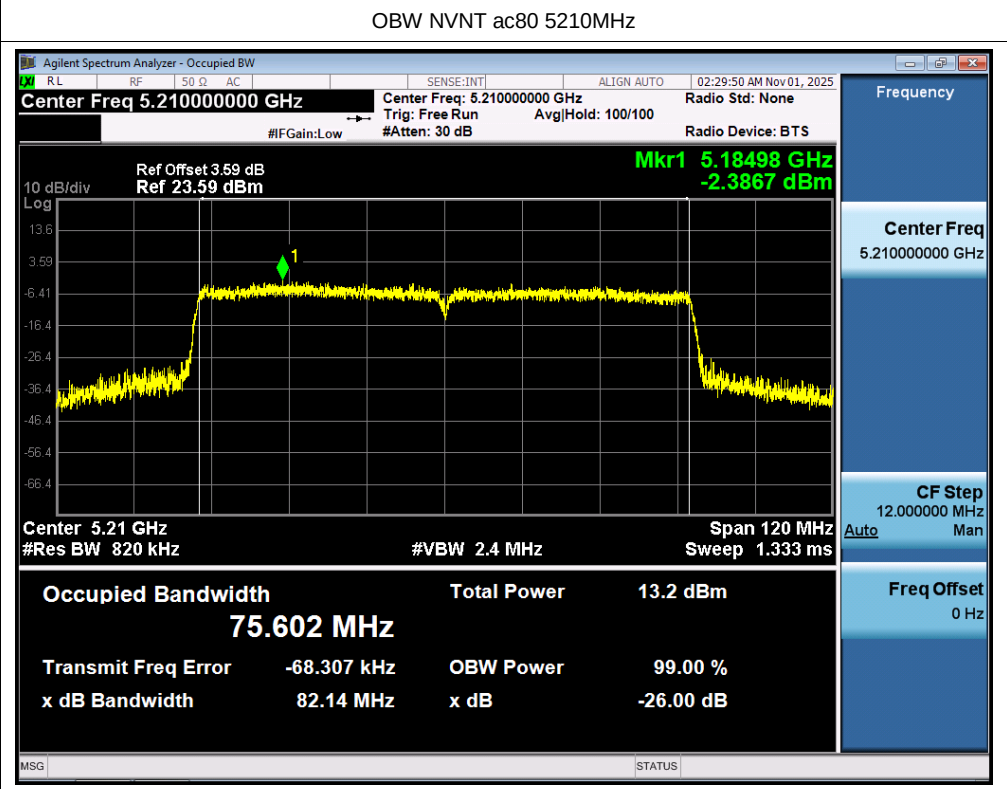
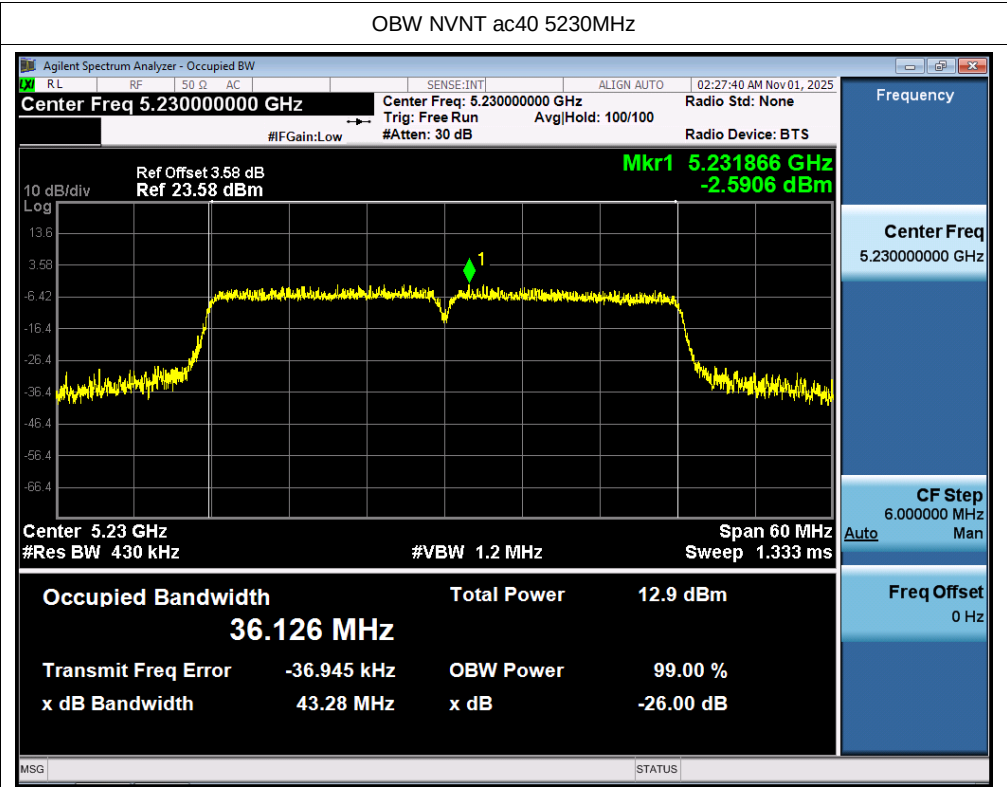












Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	-0.35	11	Pass
NVNT	a	5200	-1.3	11	Pass
NVNT	a	5240	-1.18	11	Pass
NVNT	n20	5180	-2.42	11	Pass
NVNT	n20	5200	-2.92	11	Pass
NVNT	n20	5240	-3.45	11	Pass
NVNT	n40	5190	-5.99	11	Pass
NVNT	n40	5230	-7.17	11	Pass
NVNT	ac20	5180	-2.09	11	Pass
NVNT	ac20	5200	-2.8	11	Pass
NVNT	ac20	5240	-3.48	11	Pass
NVNT	ac40	5190	-6.38	11	Pass
NVNT	ac40	5230	-6.8	11	Pass
NVNT	ac80	5210	-10.57	11	Pass

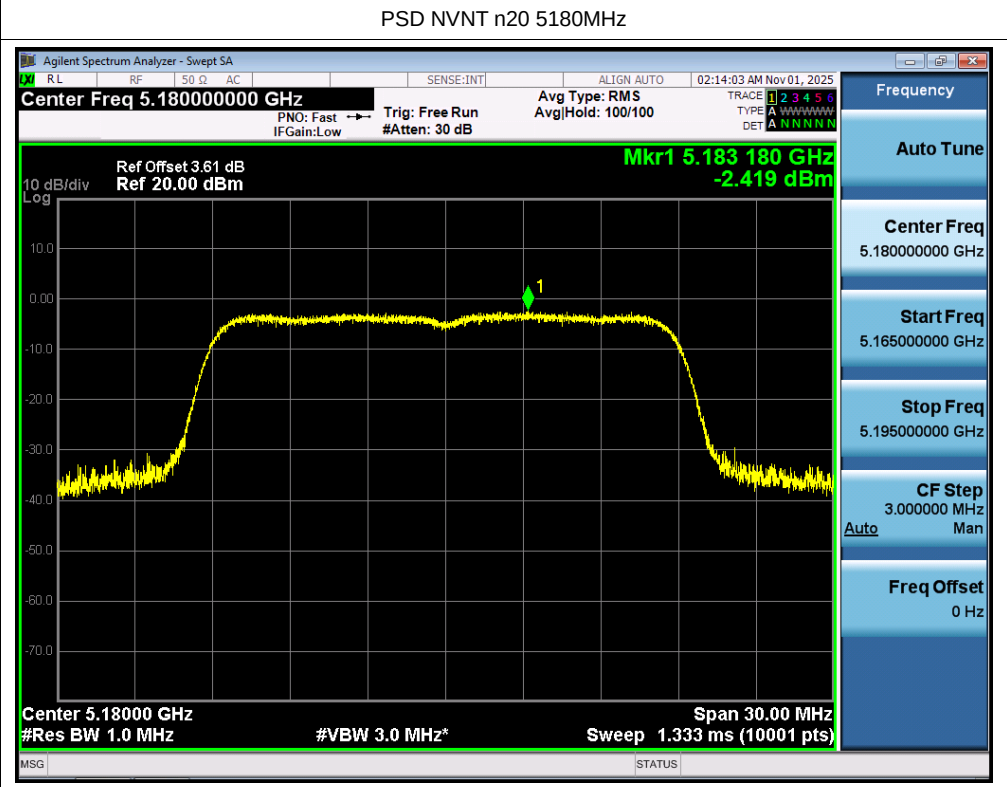
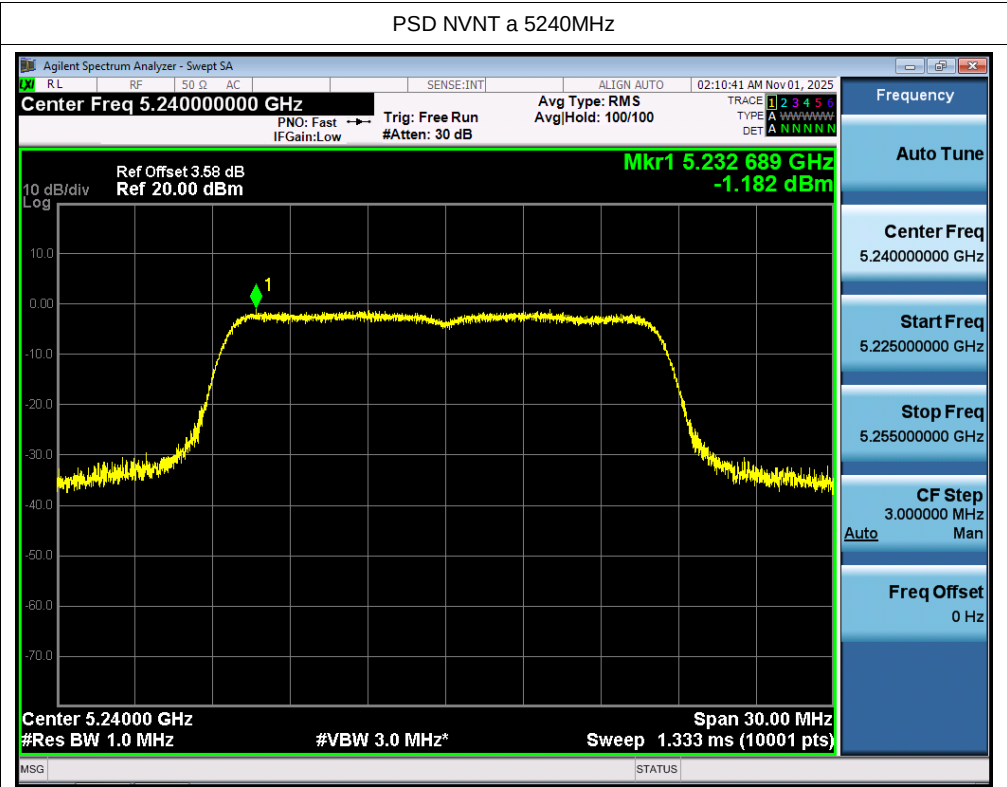
Test Graphs

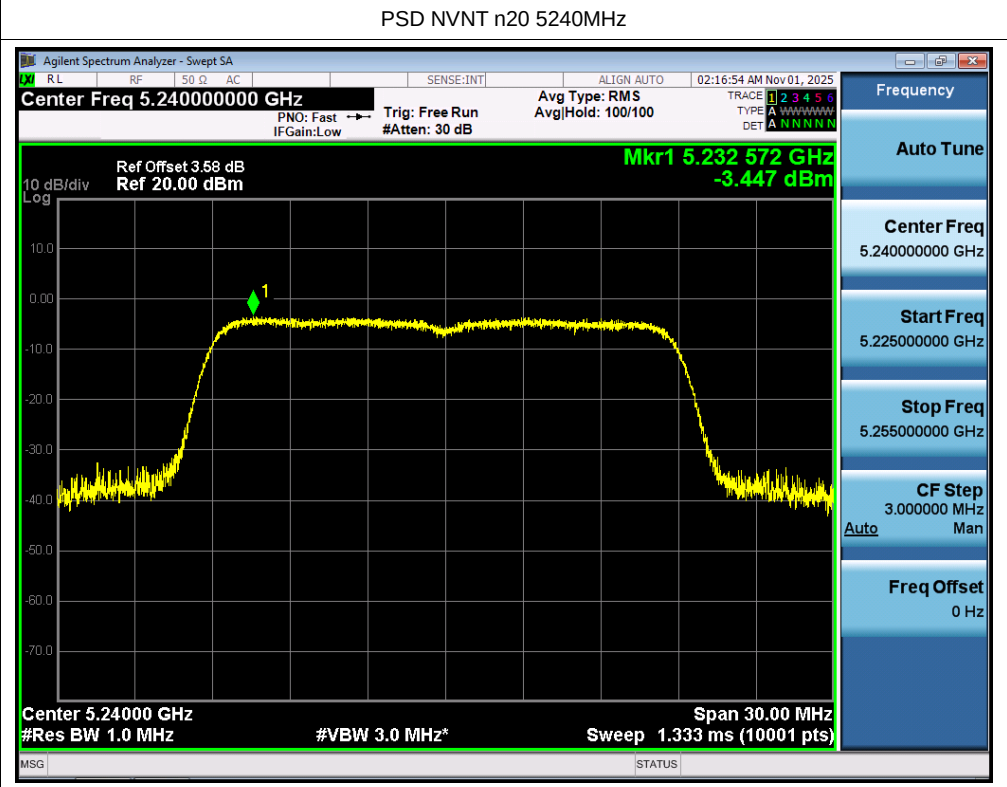
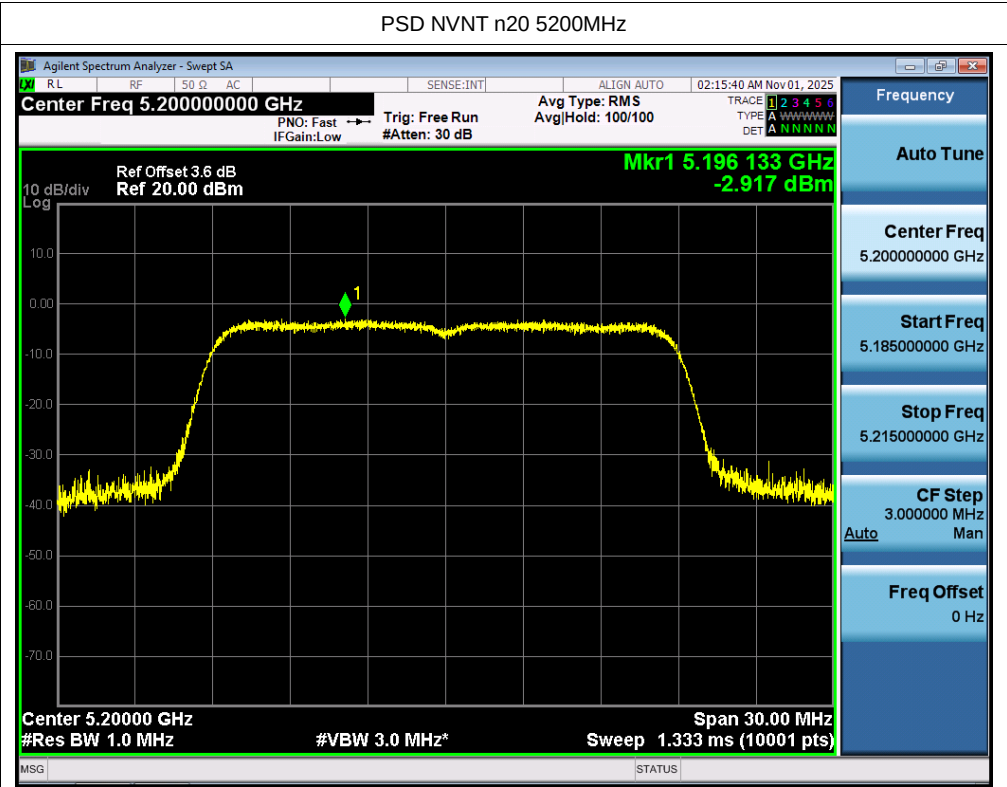
PSD NVNT a 5180MHz

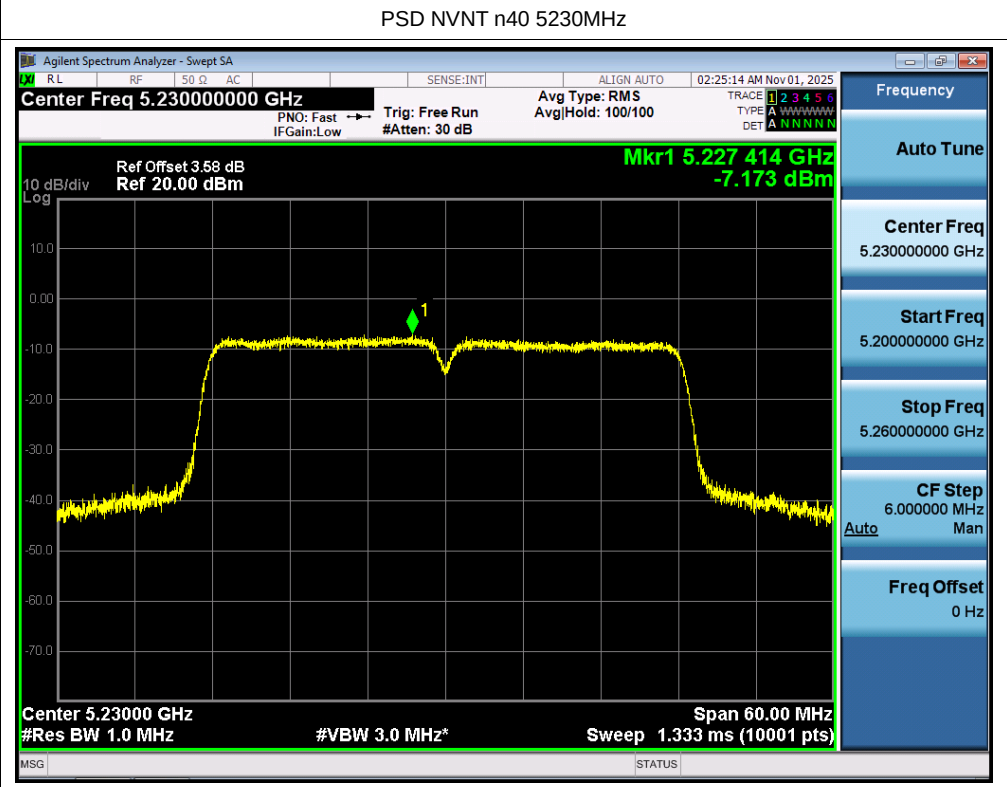
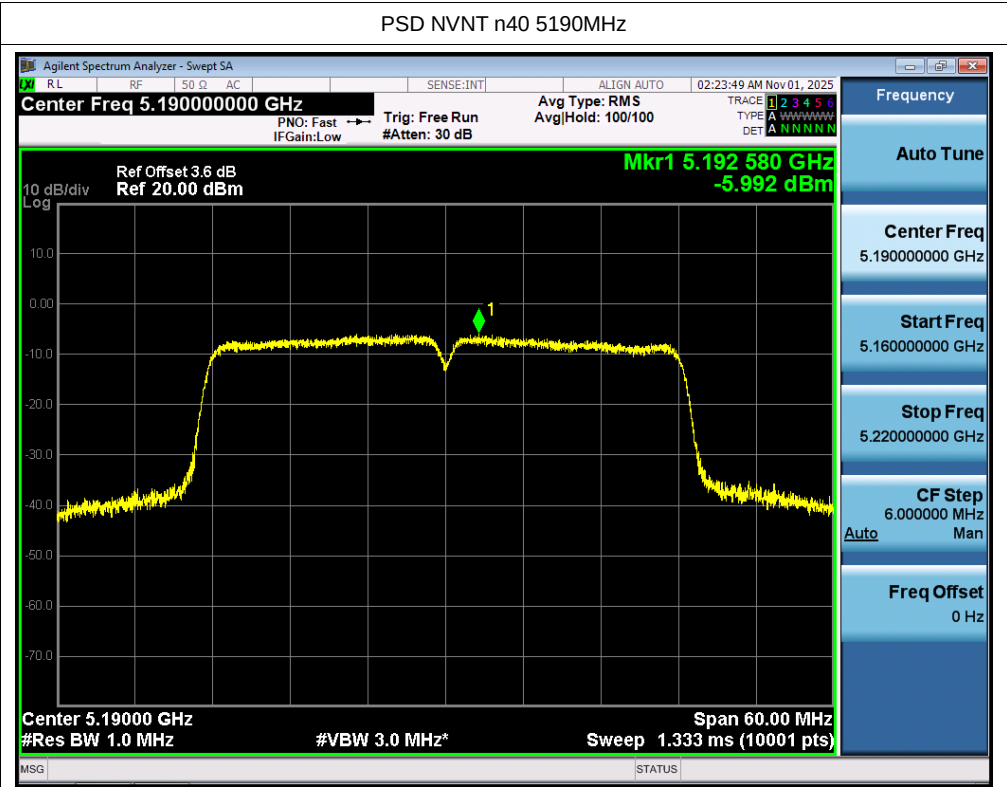


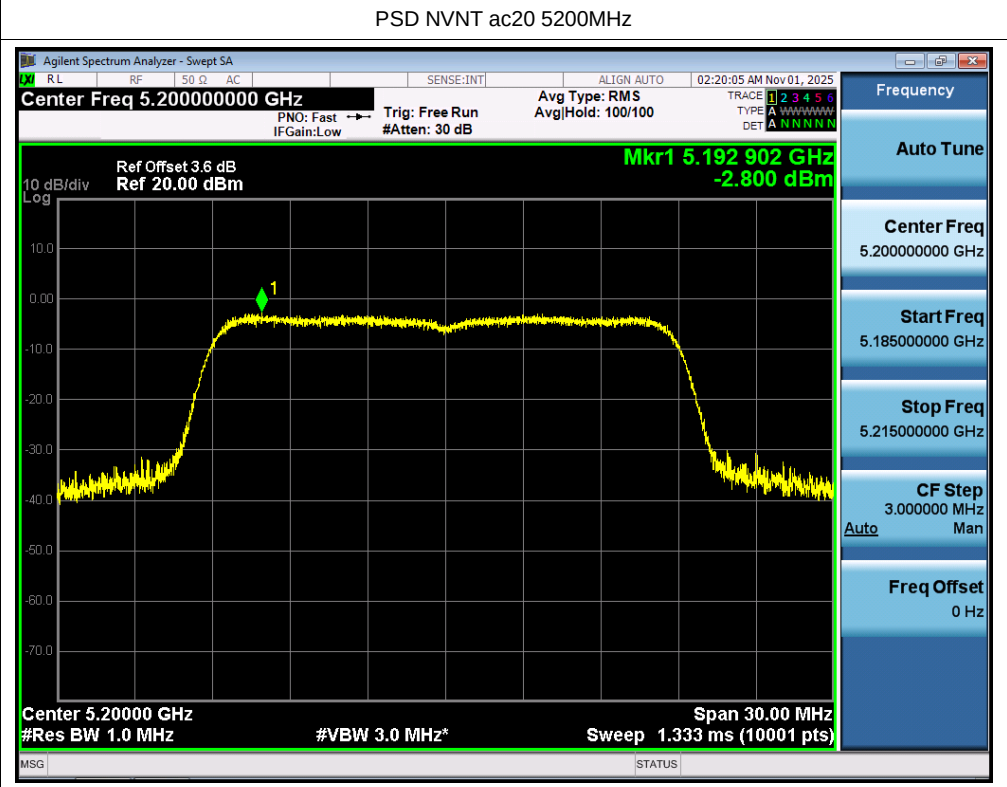
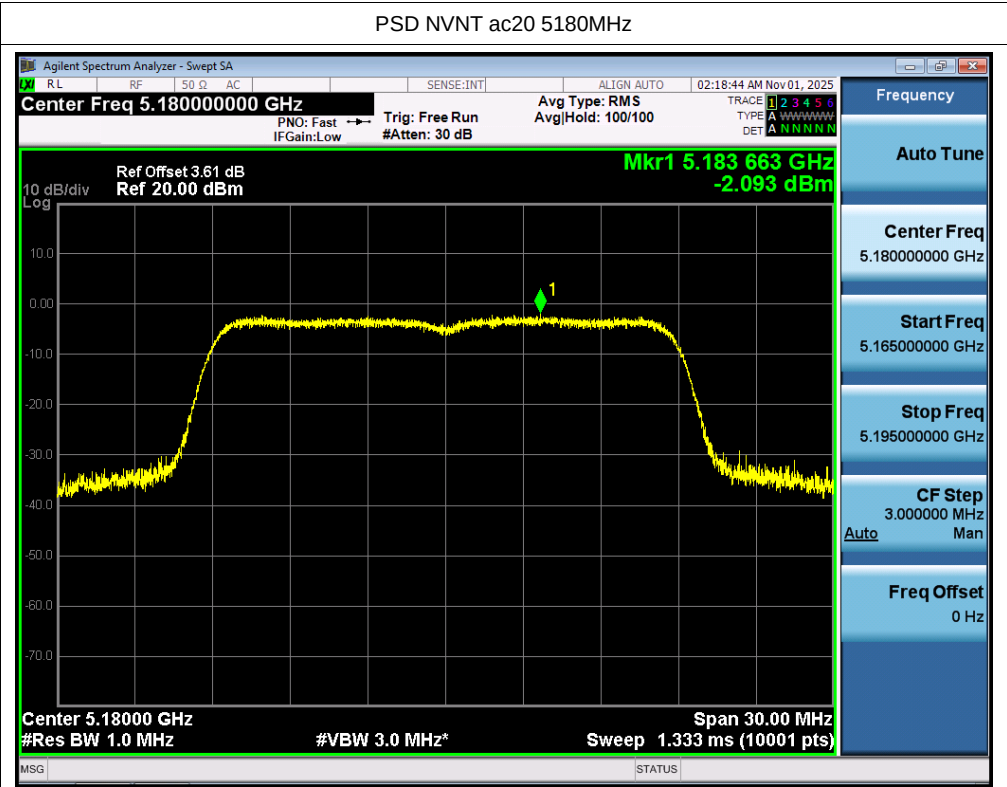
PSD NVNT a 5200MHz

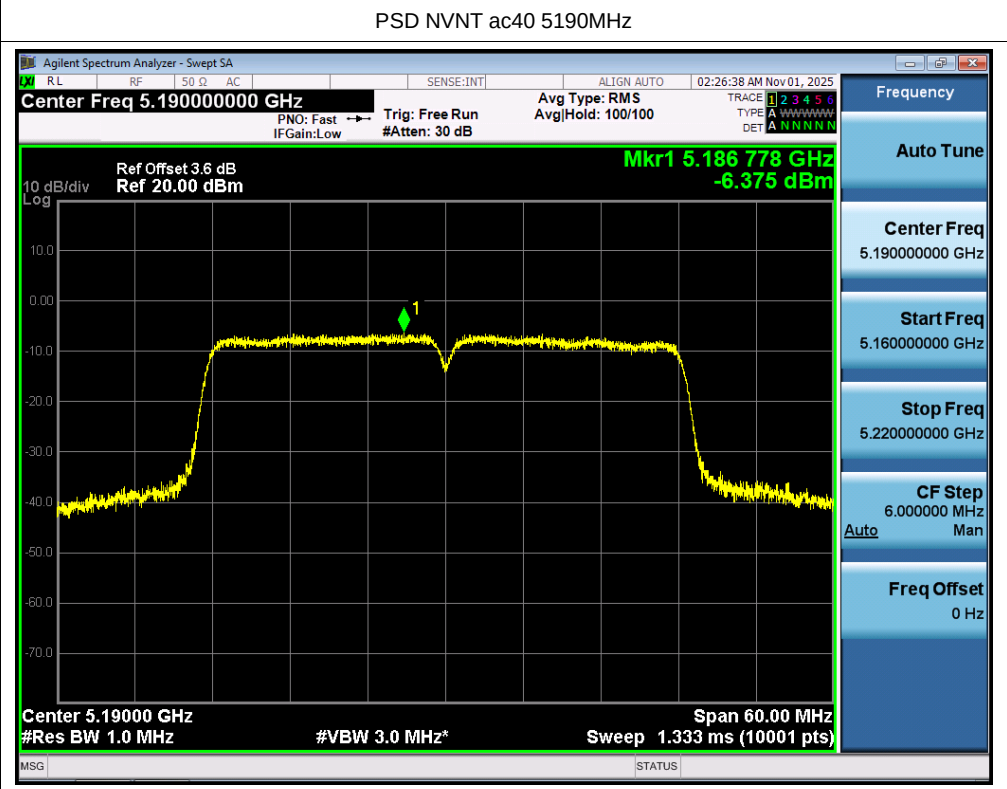
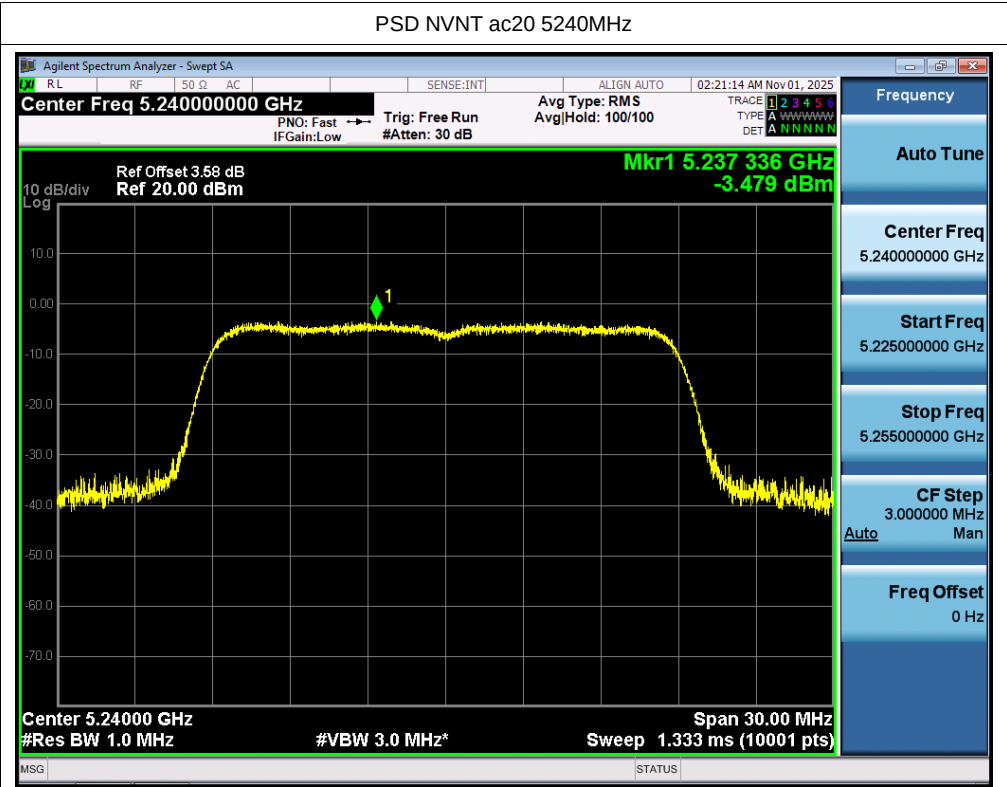


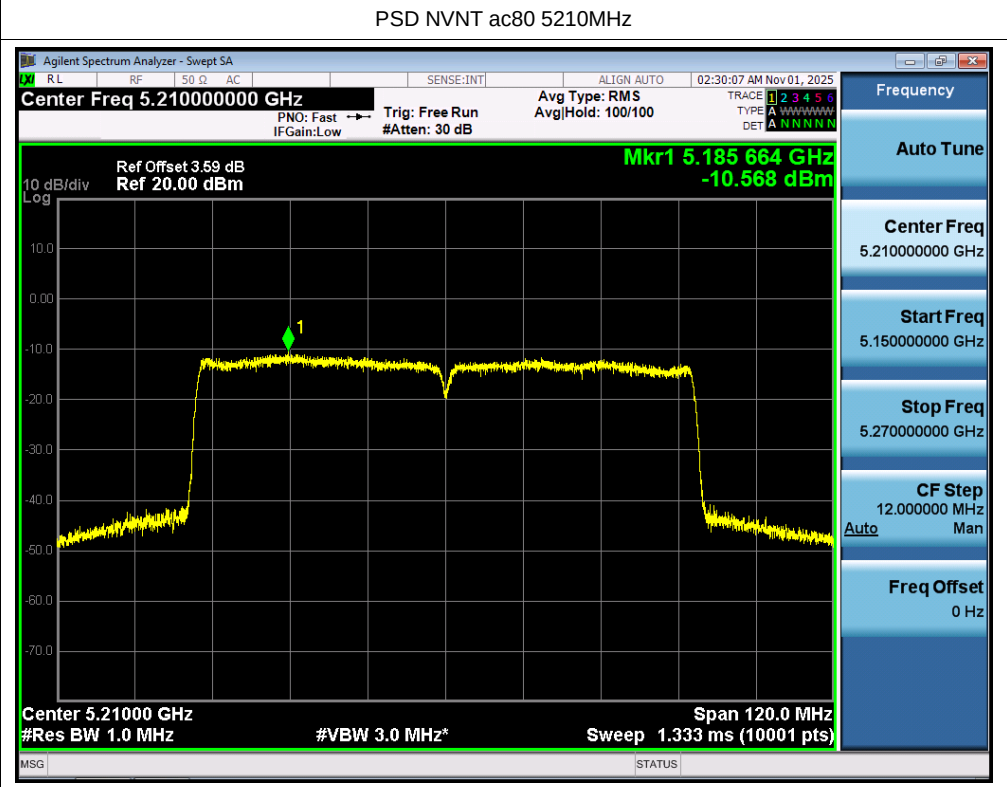
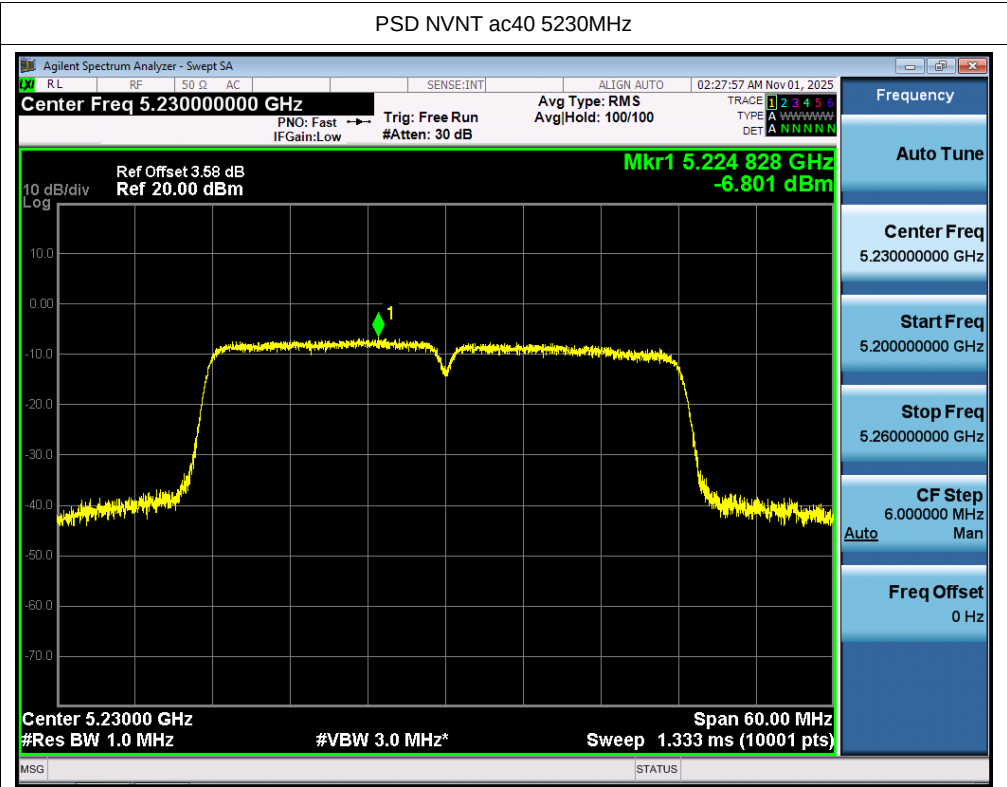










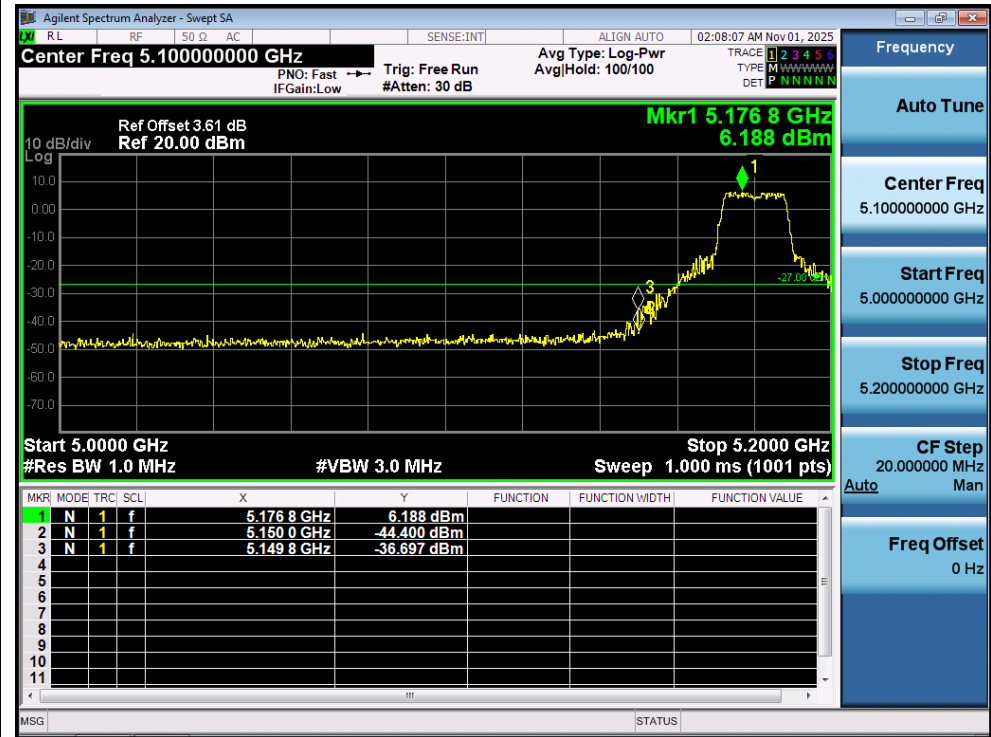


Band Edge

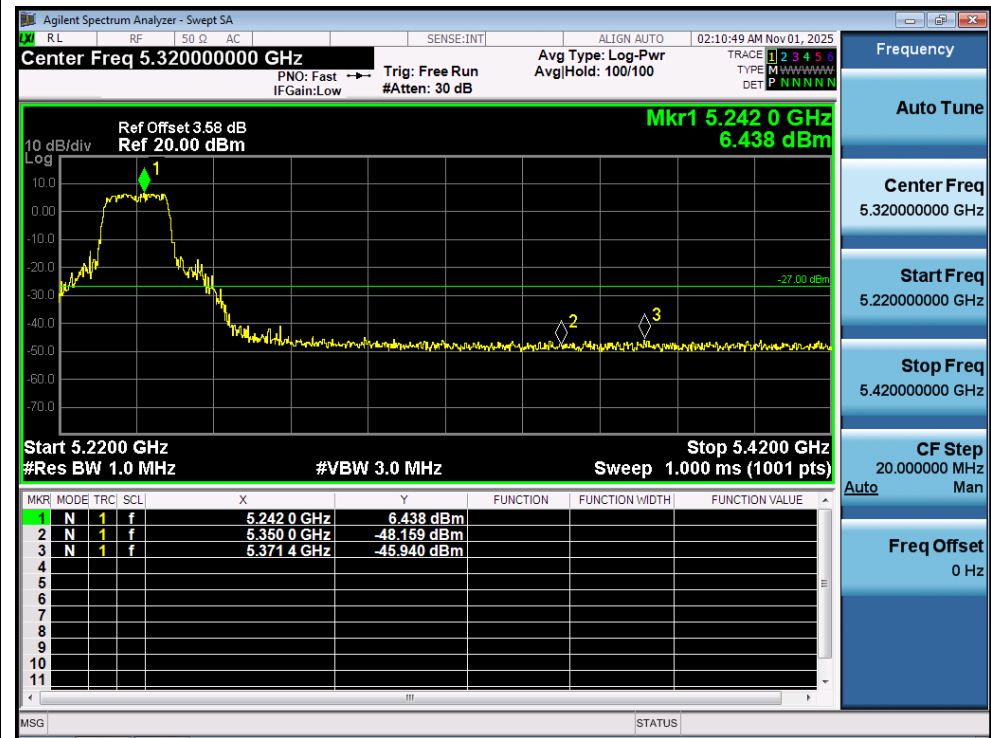
Condition	Mode	Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	-36.69	-27	Pass
NVNT	a	5240	-45.93	-27	Pass
NVNT	n20	5180	-38.38	-27	Pass
NVNT	n20	5240	-45.8	-27	Pass
NVNT	n40	5190	-35.84	-27	Pass
NVNT	n40	5230	-46.09	-27	Pass
NVNT	ac20	5180	-39.42	-27	Pass
NVNT	ac20	5240	-44.8	-27	Pass
NVNT	ac40	5190	-36.15	-27	Pass
NVNT	ac40	5230	-46.42	-27	Pass
NVNT	ac80	5210	-43.51	-27	Pass
NVNT	ac80	5210	-36.74	-27	Pass

Test Graphs

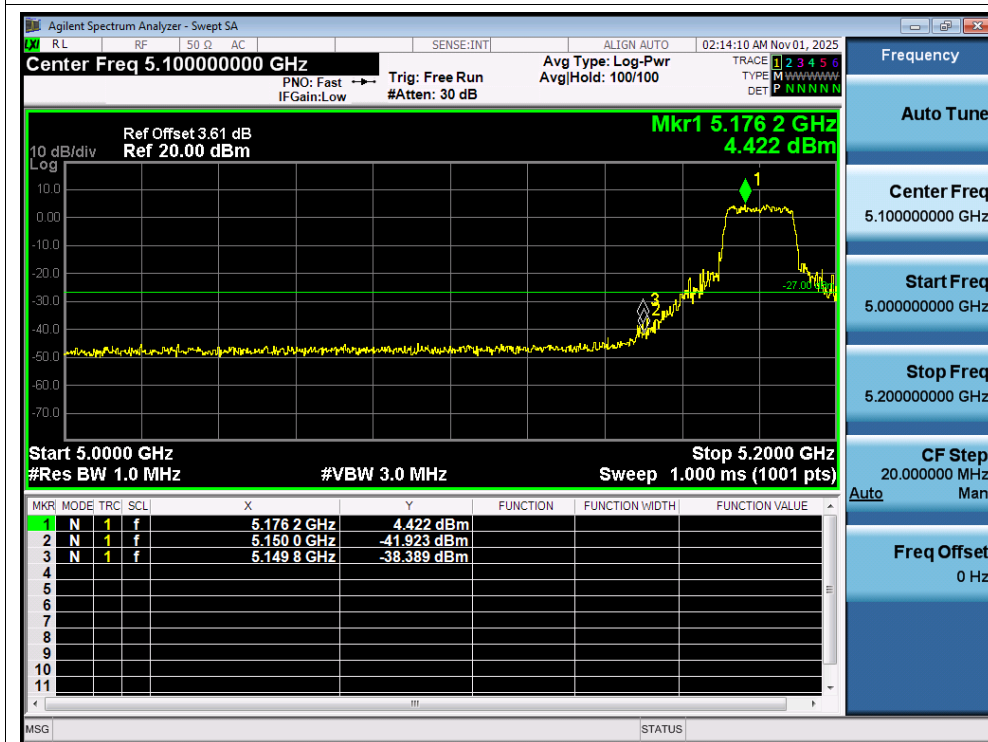
Band Edge NVNT a 5180MHz Low



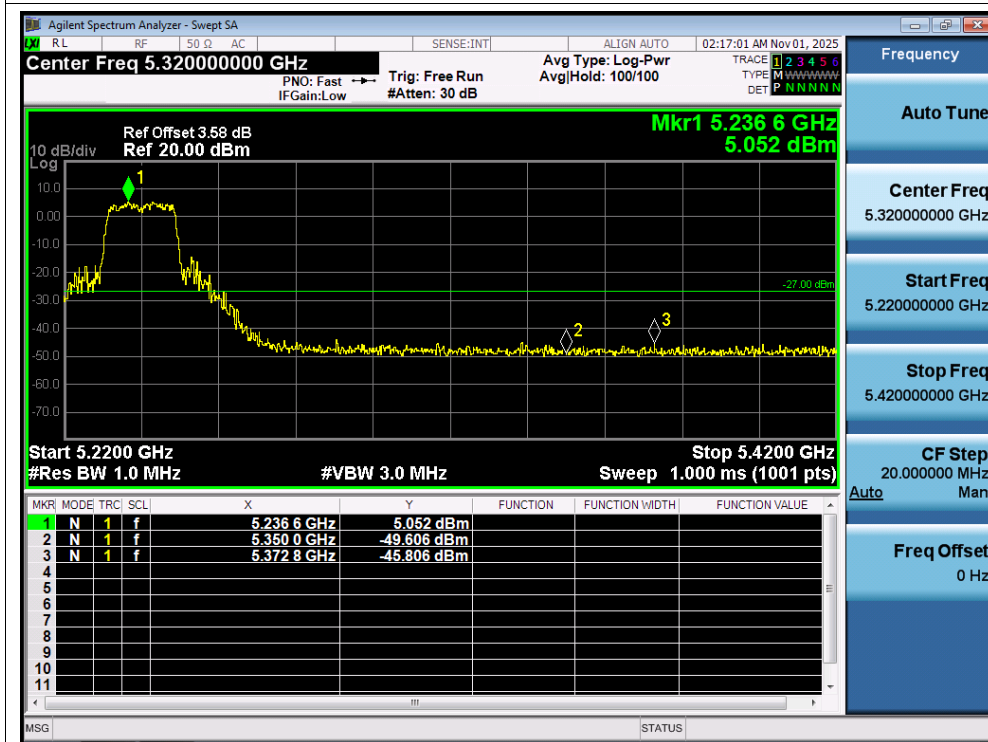
Band Edge NVNT a 5240MHz High

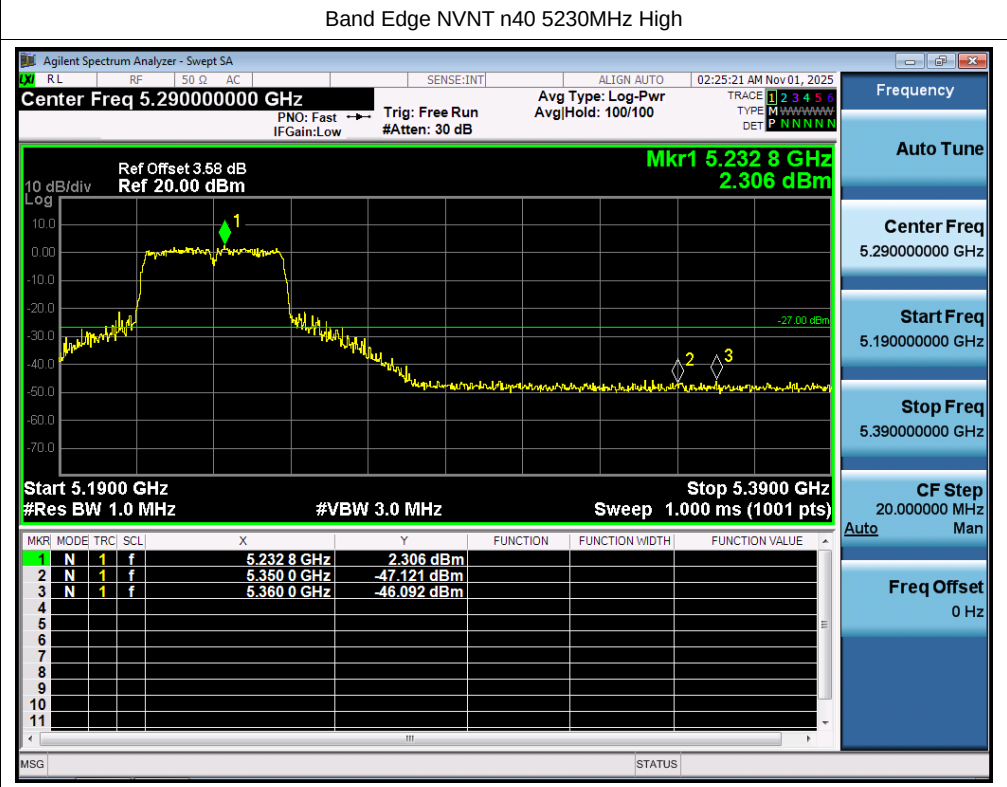
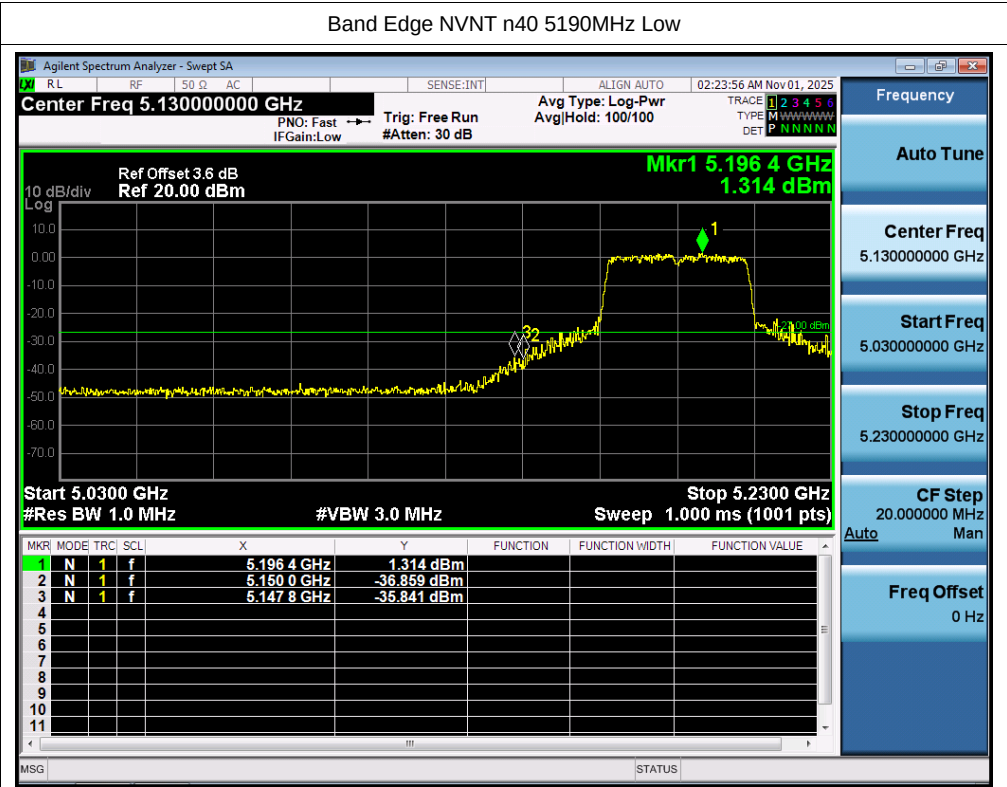


Band Edge NVNT n20 5180MHz Low

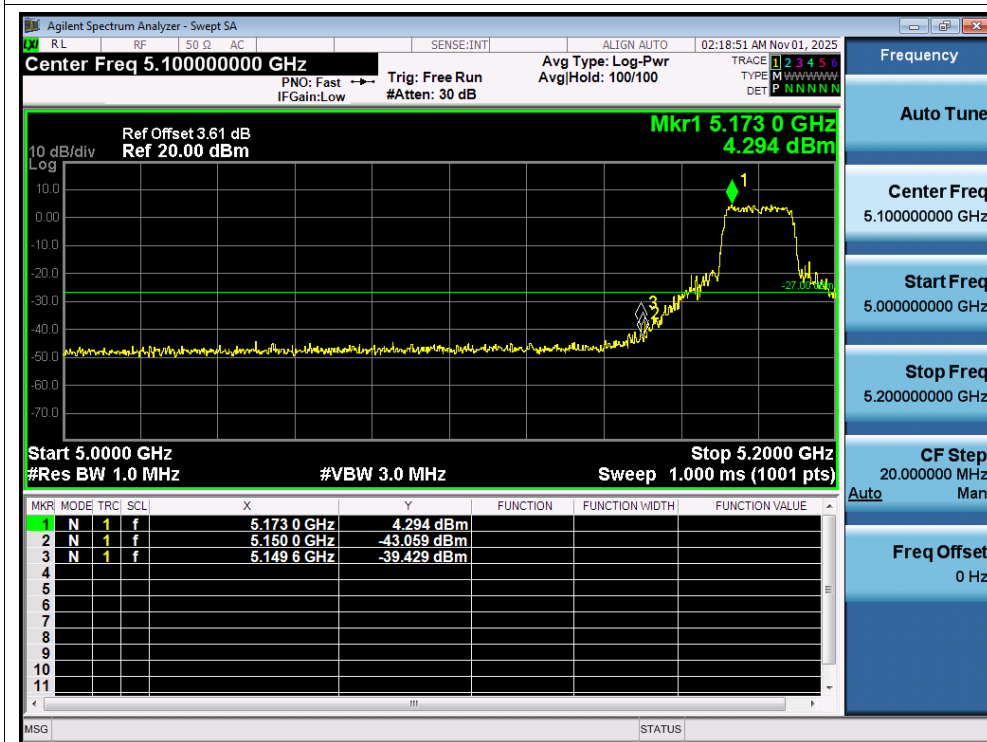


Band Edge NVNT n20 5240MHz High

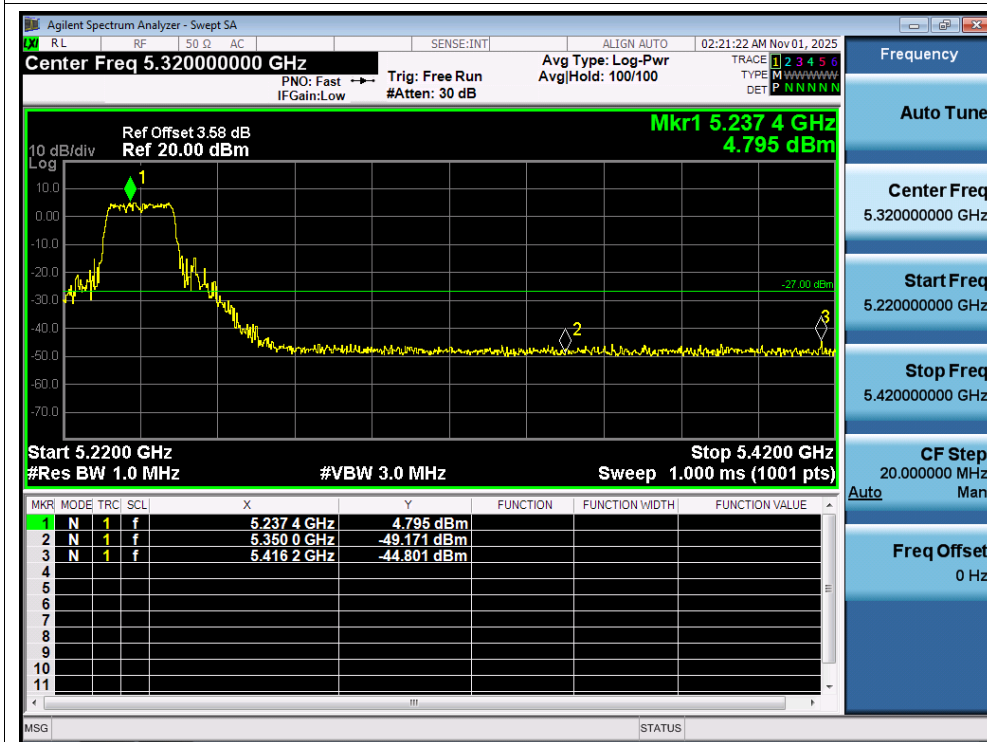




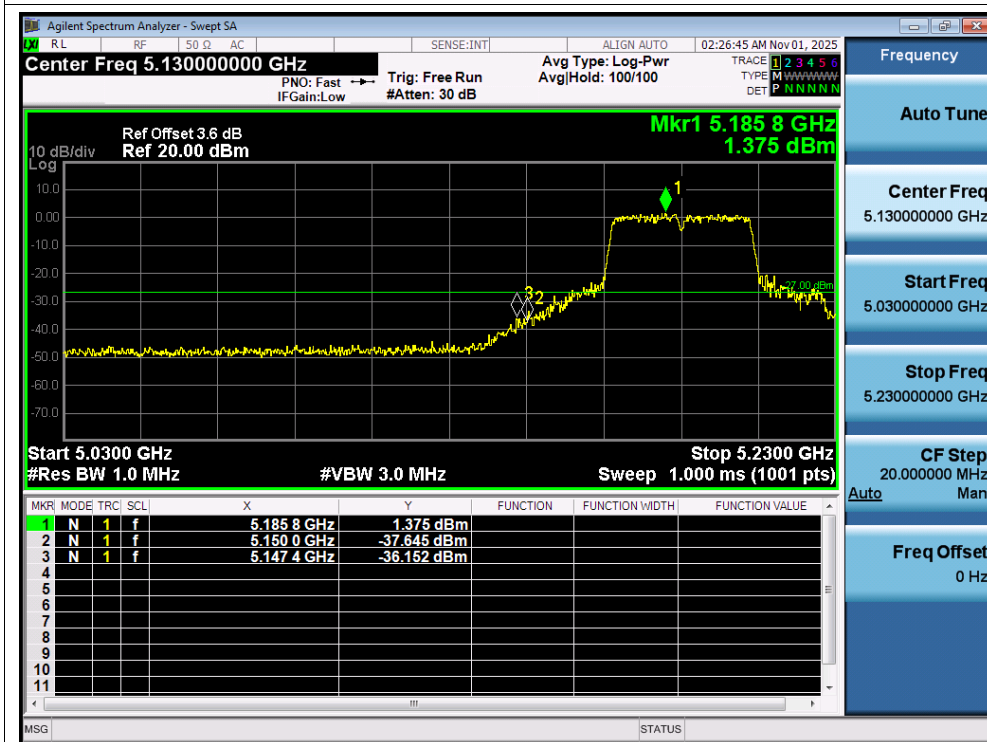
Band Edge NVNT ac20 5180MHz Low



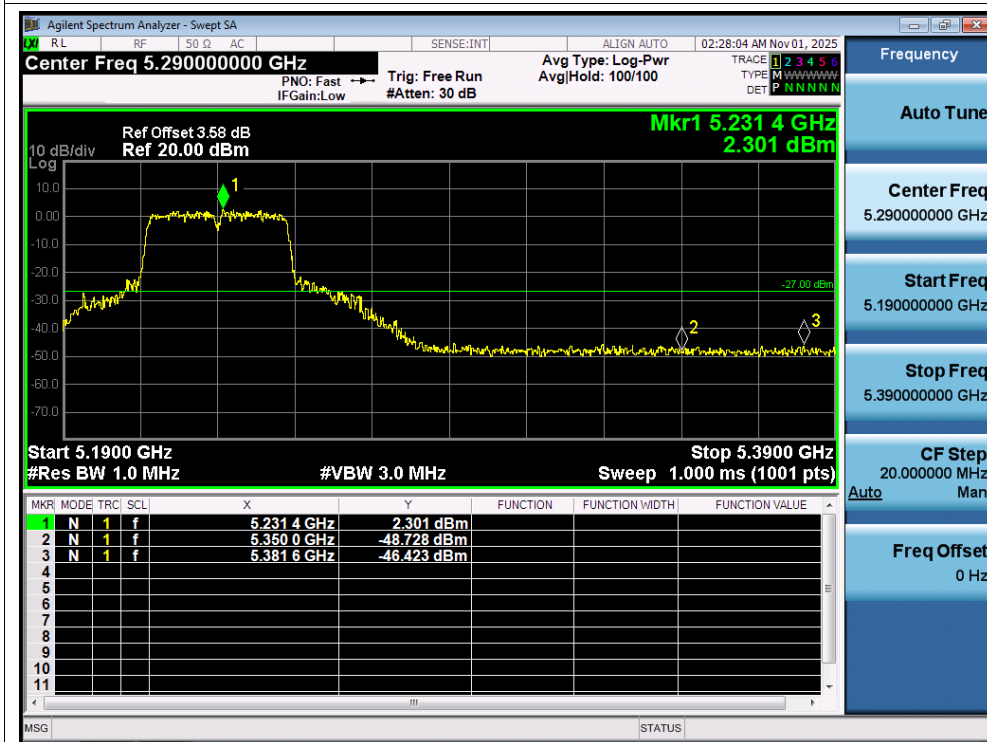
Band Edge NVNT ac20 5240MHz High



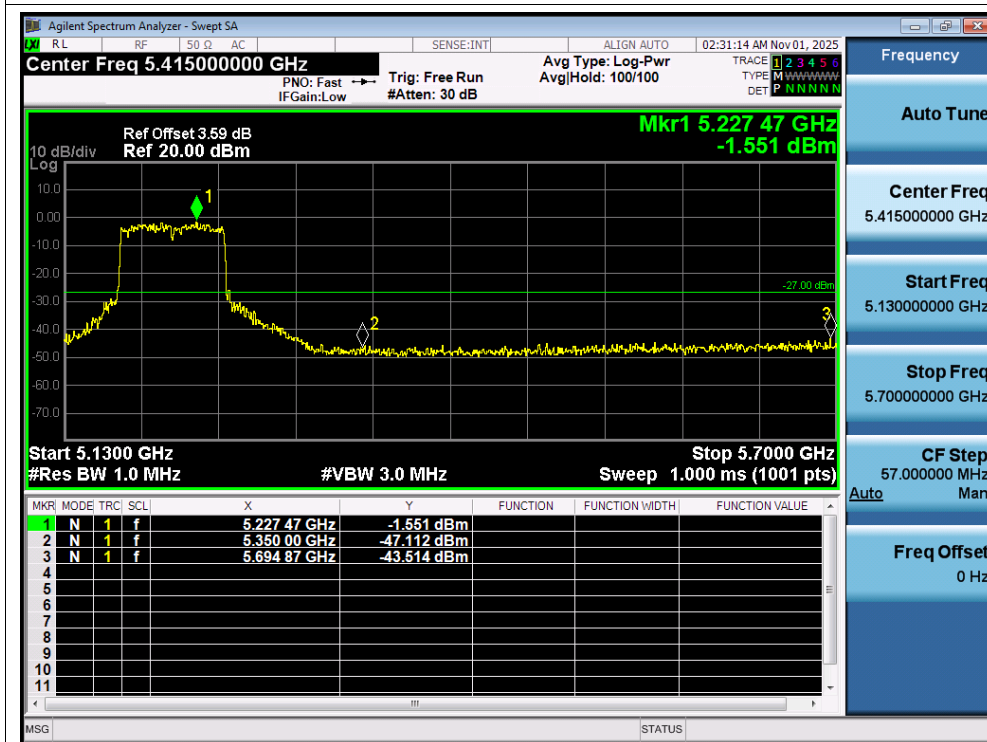
Band Edge NVNT ac40 5190MHz Low



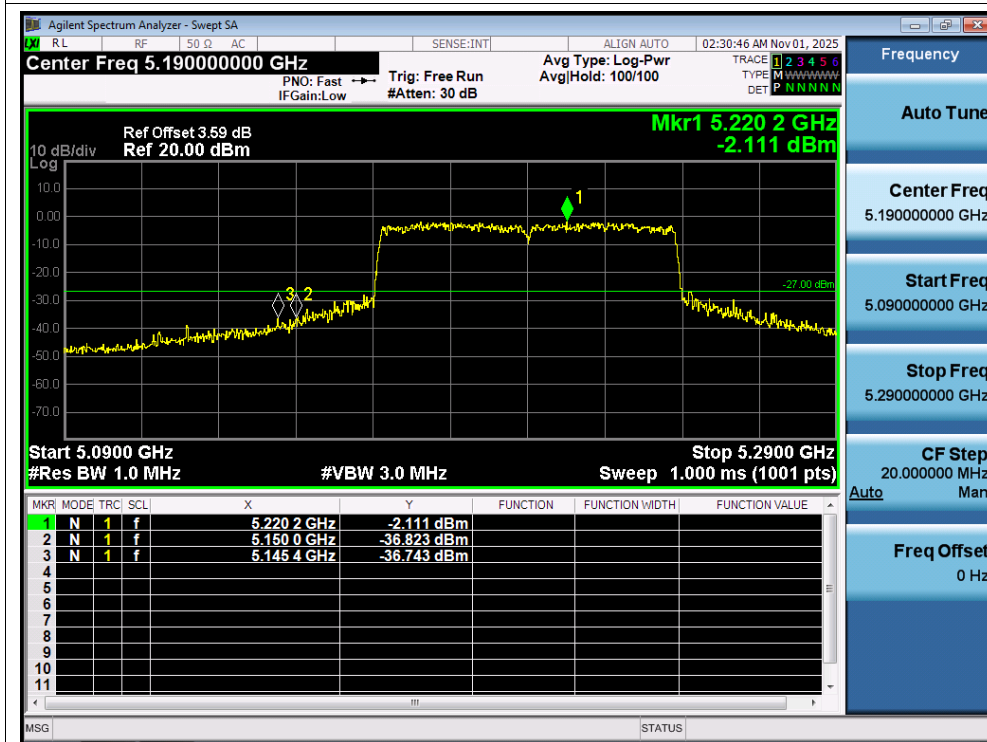
Band Edge NVNT ac40 5230MHz High



Band Edge NVNT ac80 5210MHz High



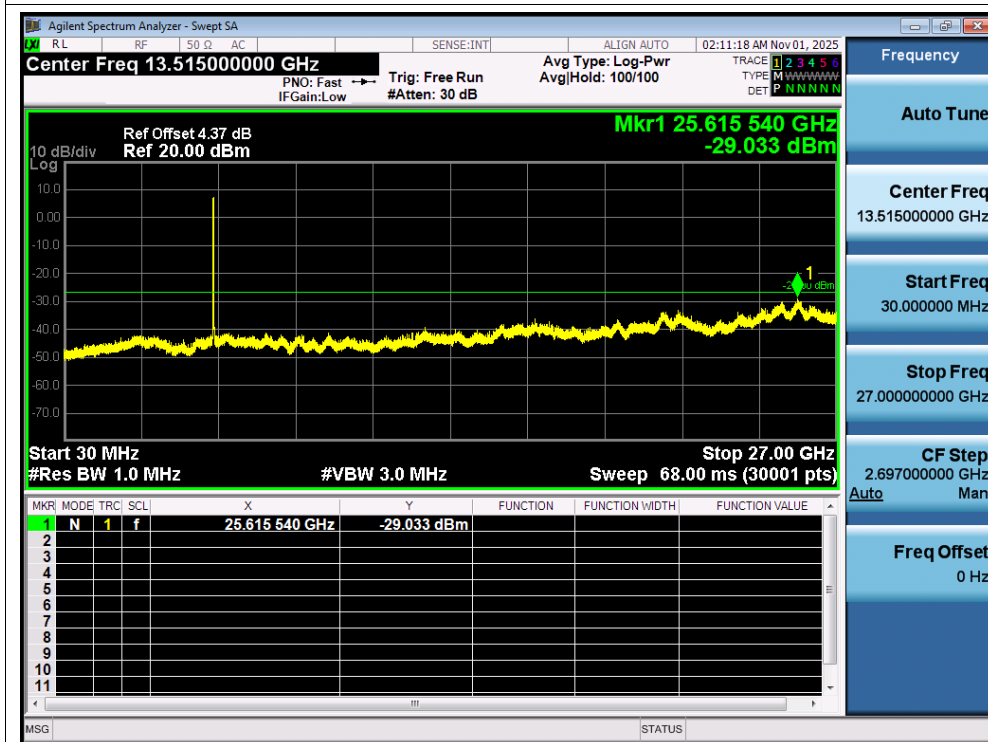
Band Edge NVNT ac80 5210MHz Low



Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	-29.34	-27	Pass
NVNT	a	5200	-28.76	-27	Pass
NVNT	a	5240	-29.03	-27	Pass
NVNT	n20	5180	-28.81	-27	Pass
NVNT	n20	5200	-28.36	-27	Pass
NVNT	n20	5240	-29.59	-27	Pass
NVNT	n40	5190	-28.98	-27	Pass
NVNT	n40	5230	-29.61	-27	Pass
NVNT	ac20	5180	-29.69	-27	Pass
NVNT	ac20	5200	-29.63	-27	Pass
NVNT	ac20	5240	-28.72	-27	Pass
NVNT	ac40	5190	-29.04	-27	Pass
NVNT	ac40	5230	-29.4	-27	Pass
NVNT	ac80	5210	-29.1	-27	Pass

Tx. Spurious NVNT a 5240MHz Emission



Tx. Spurious NVNT n20 5180MHz Emission

