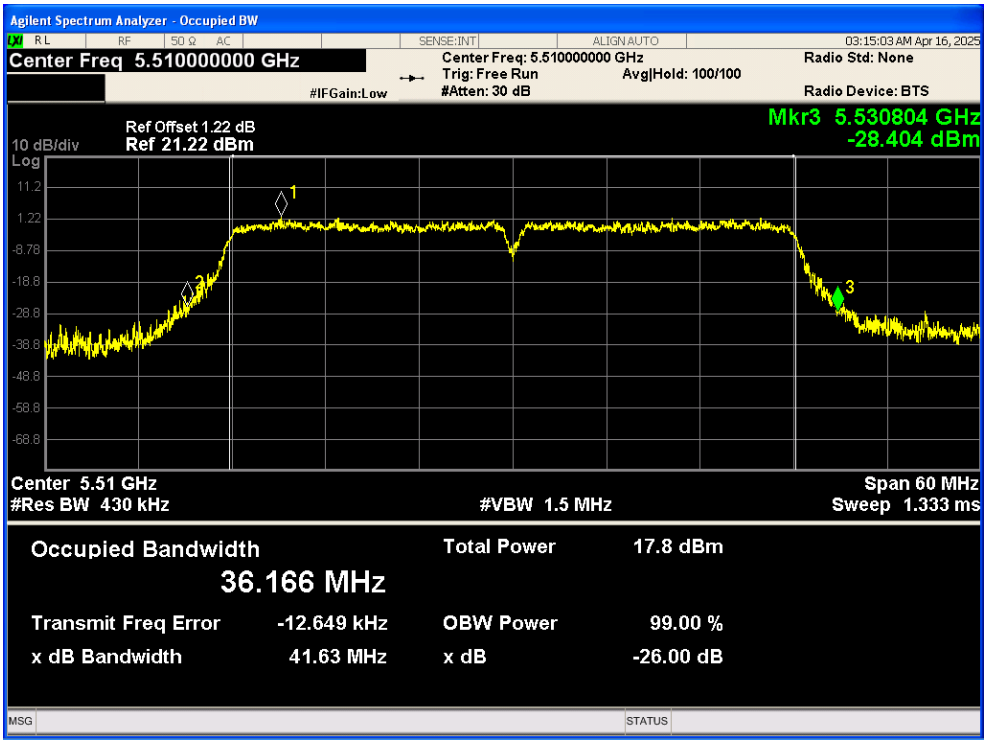
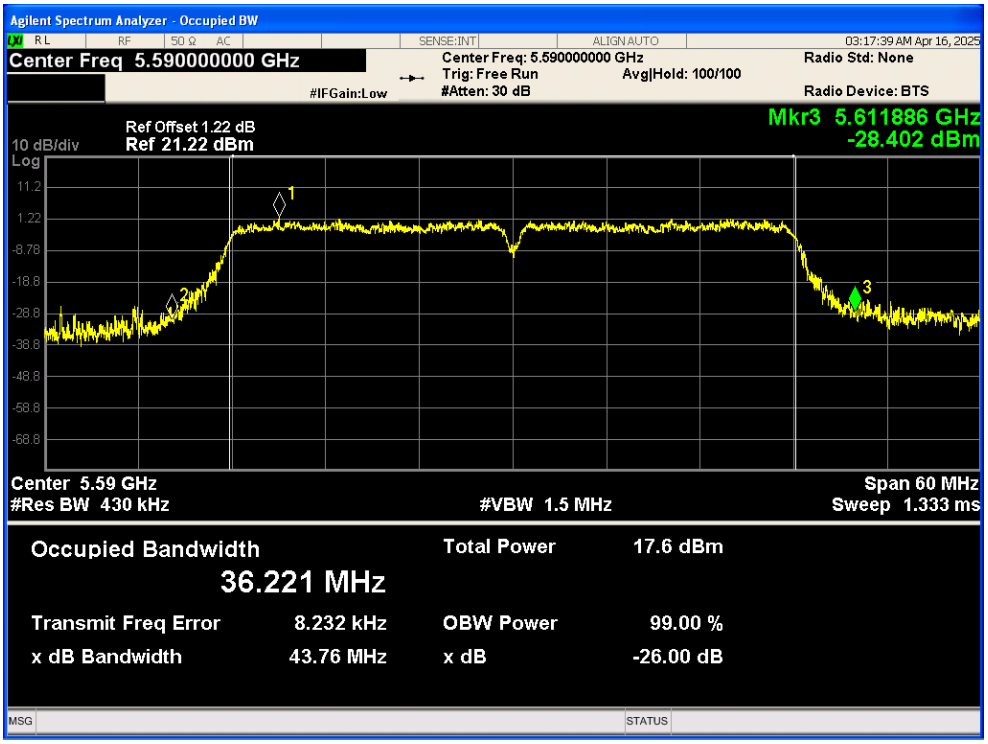
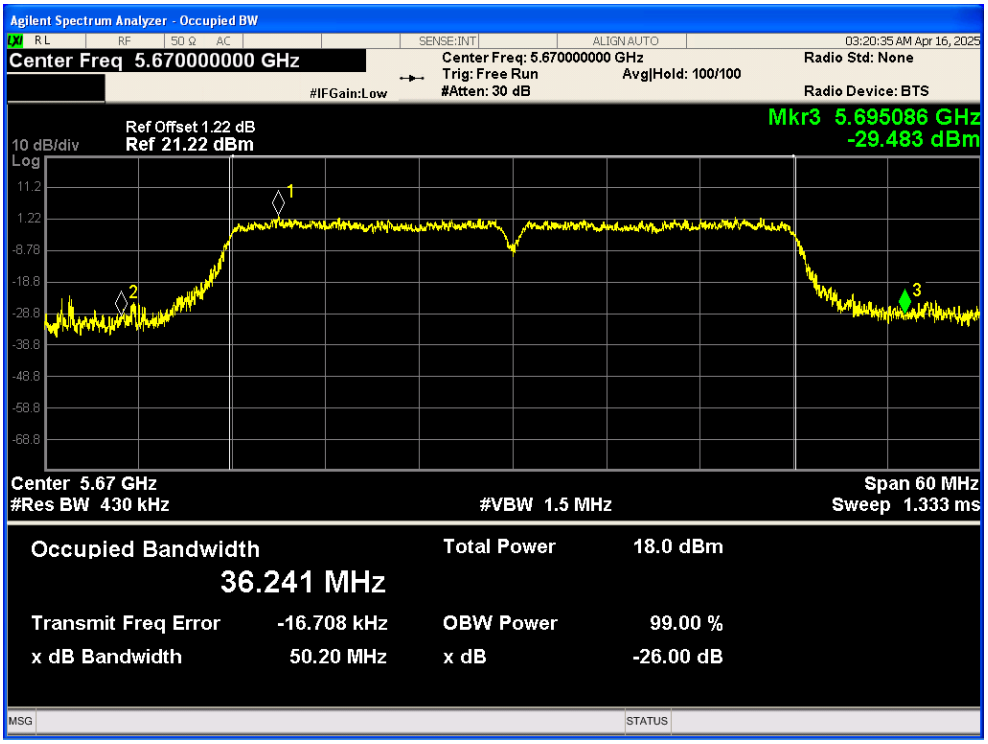


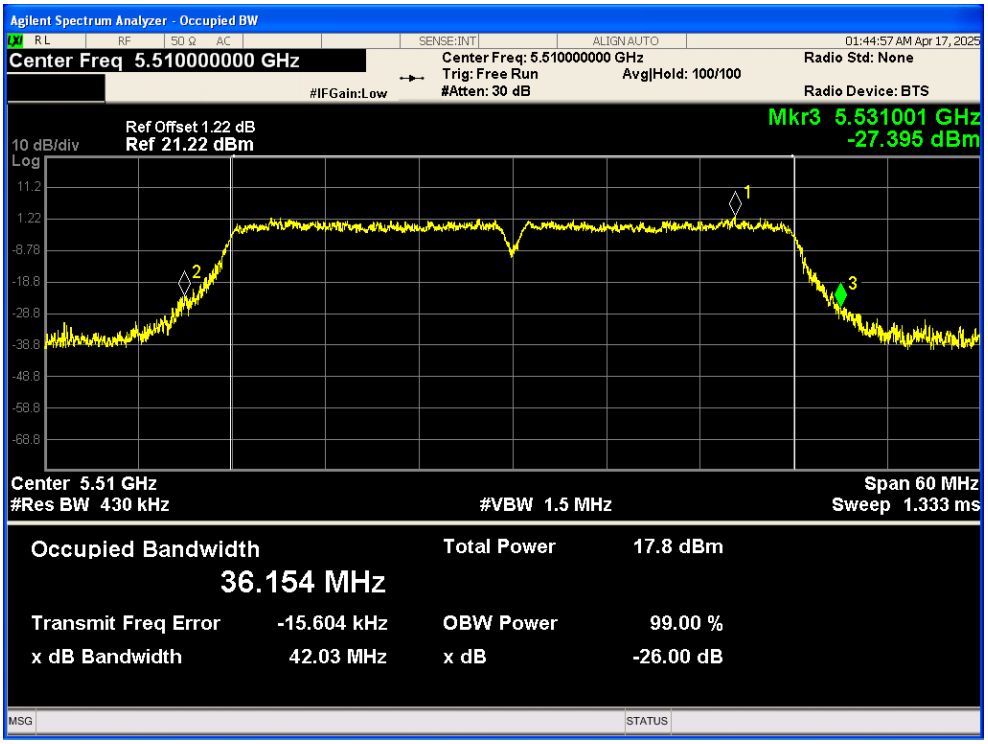
-26dB Bandwidth NVNT ac40 5590MHz Ant1



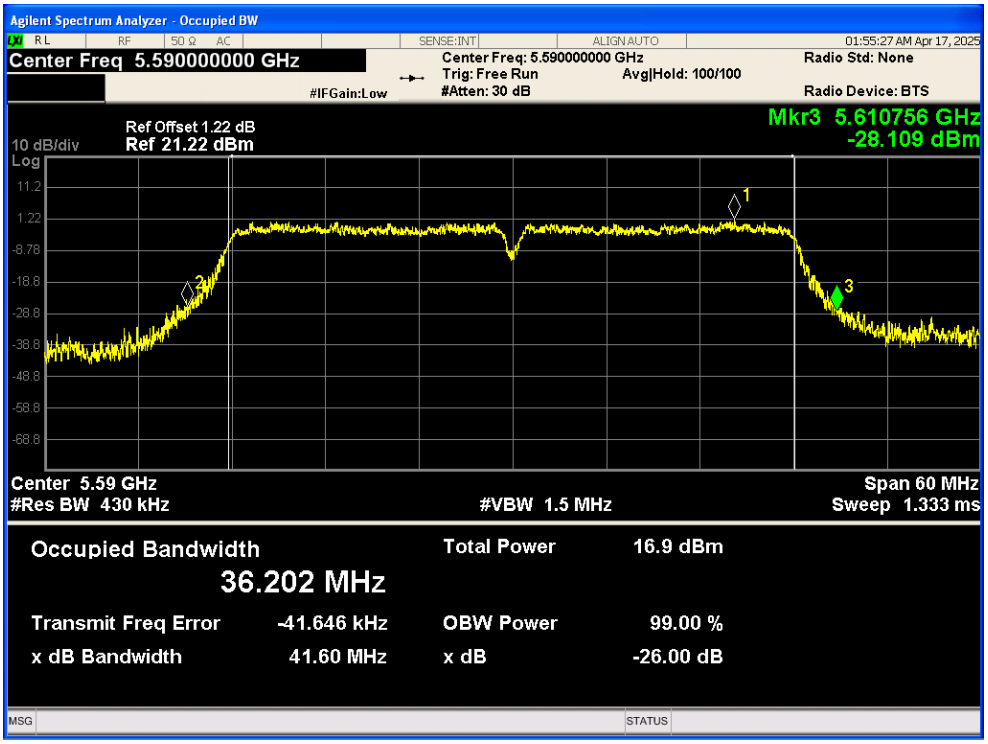
-26dB Bandwidth NVNT ac40 5670MHz Ant1



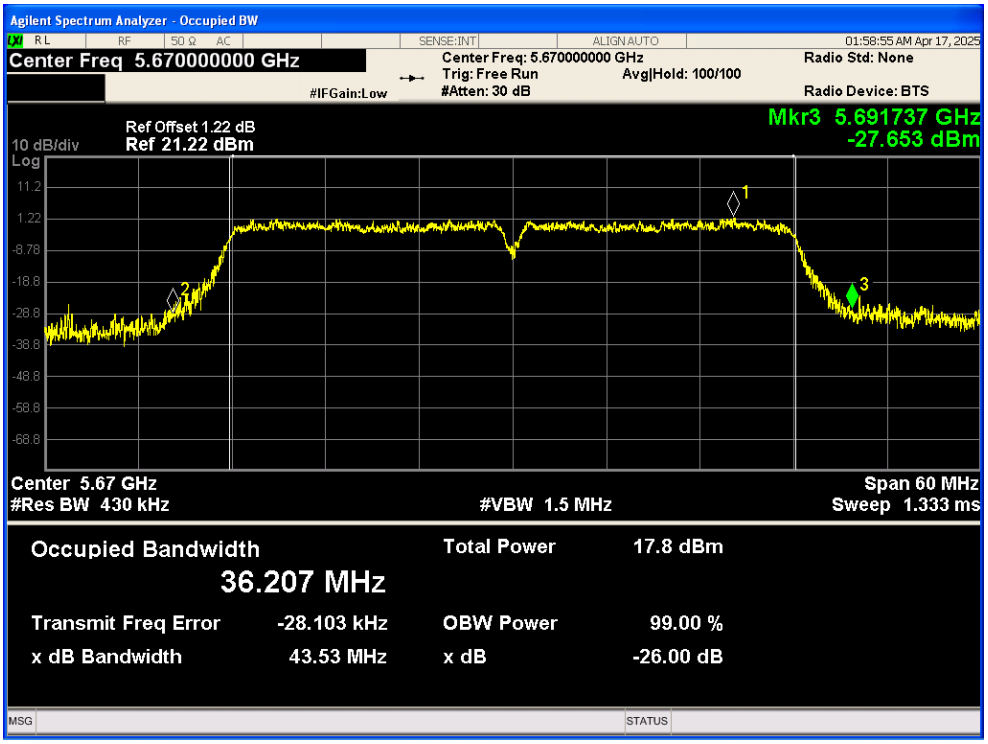
-26dB Bandwidth NVNT ac40 5510MHz Ant2



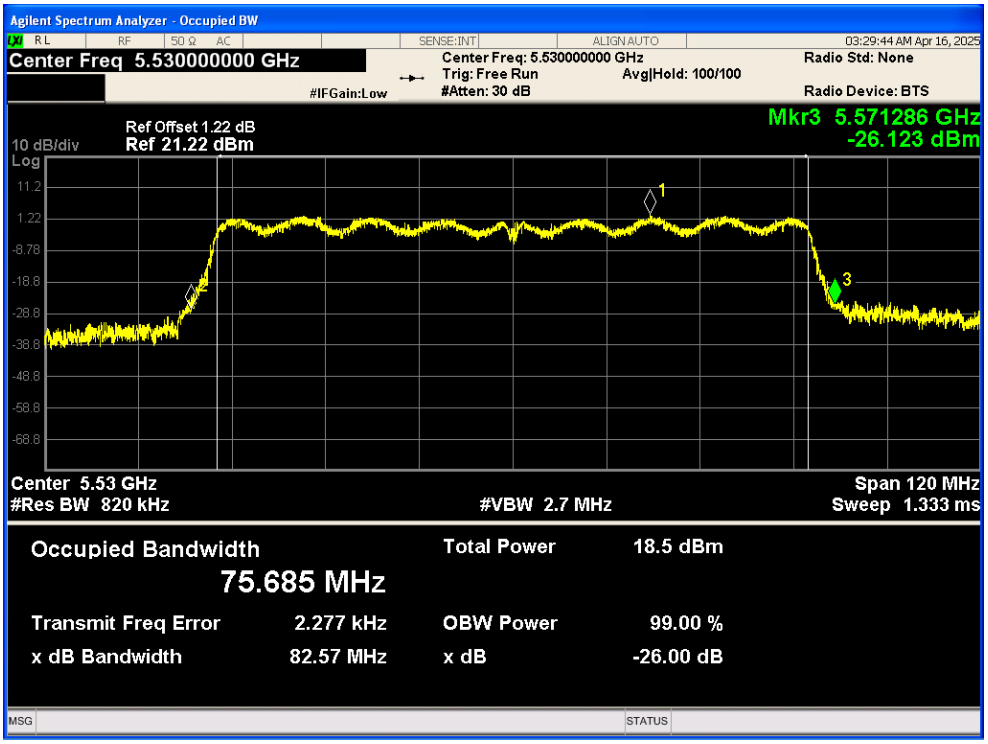
-26dB Bandwidth NVNT ac40 5590MHz Ant2



-26dB Bandwidth NVNT ac40 5670MHz Ant2



-26dB Bandwidth NVNT ac80 5530MHz Ant1



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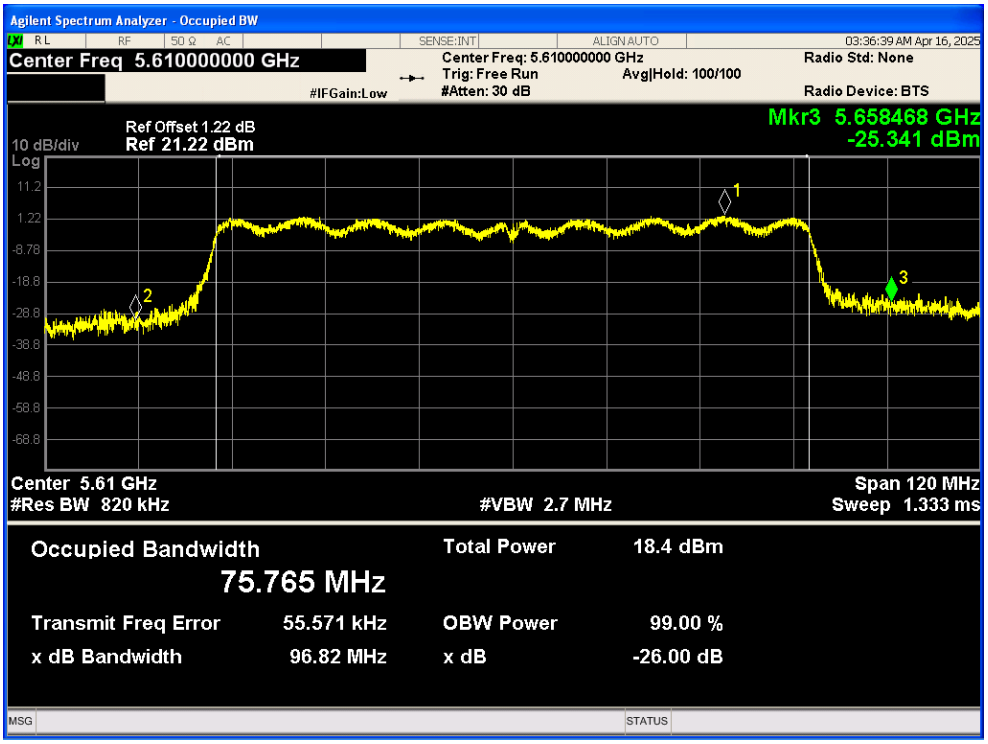

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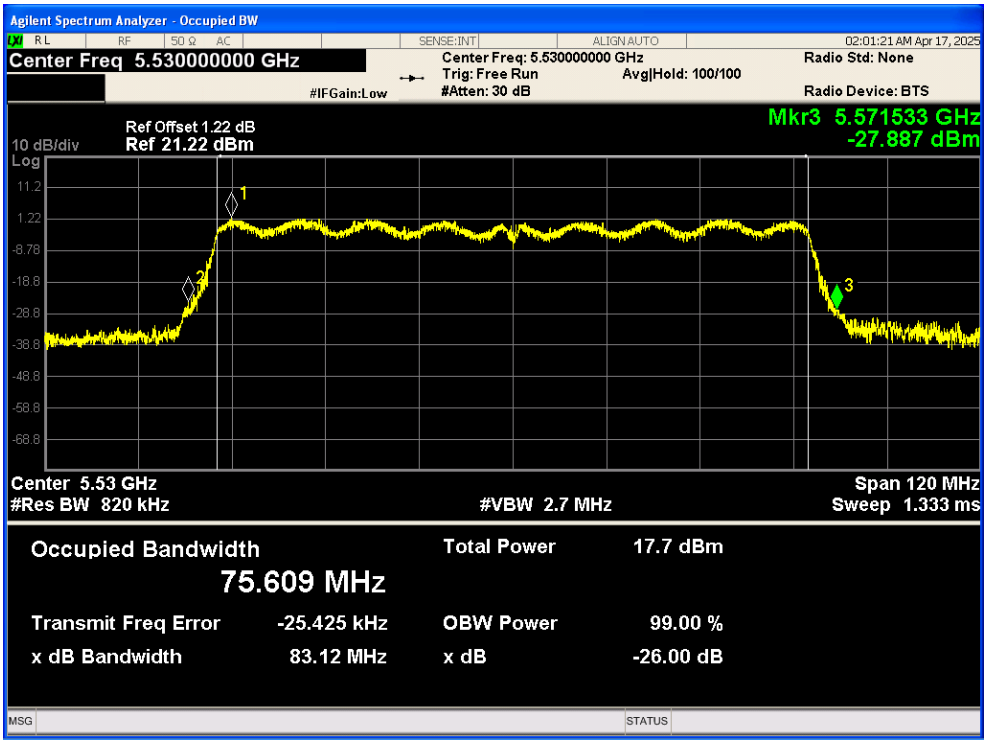
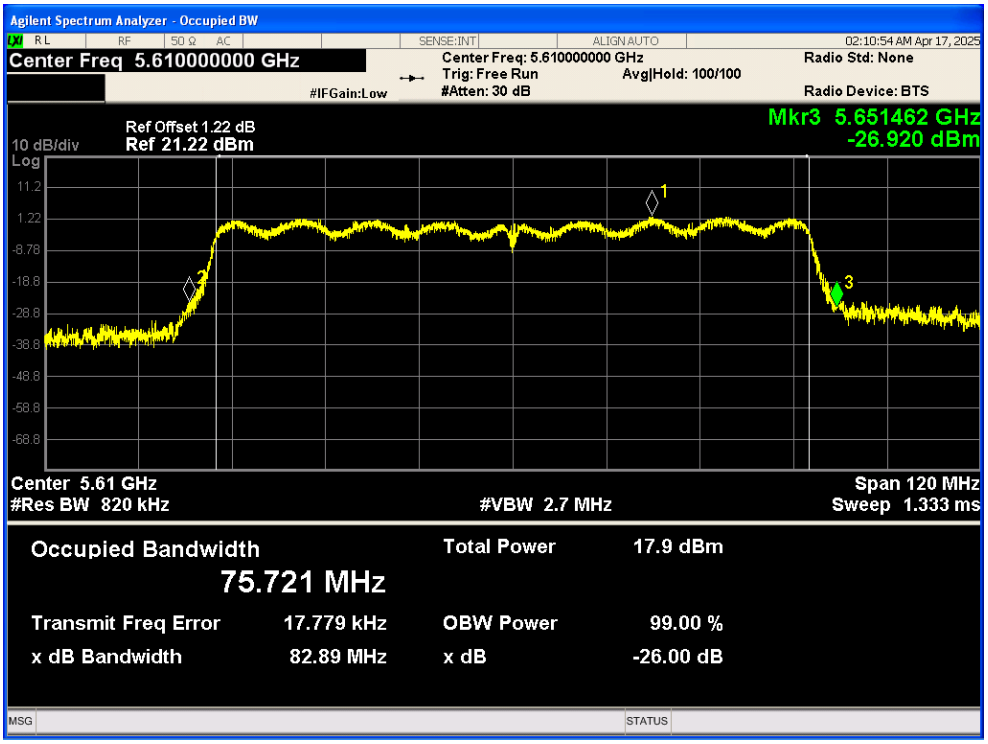
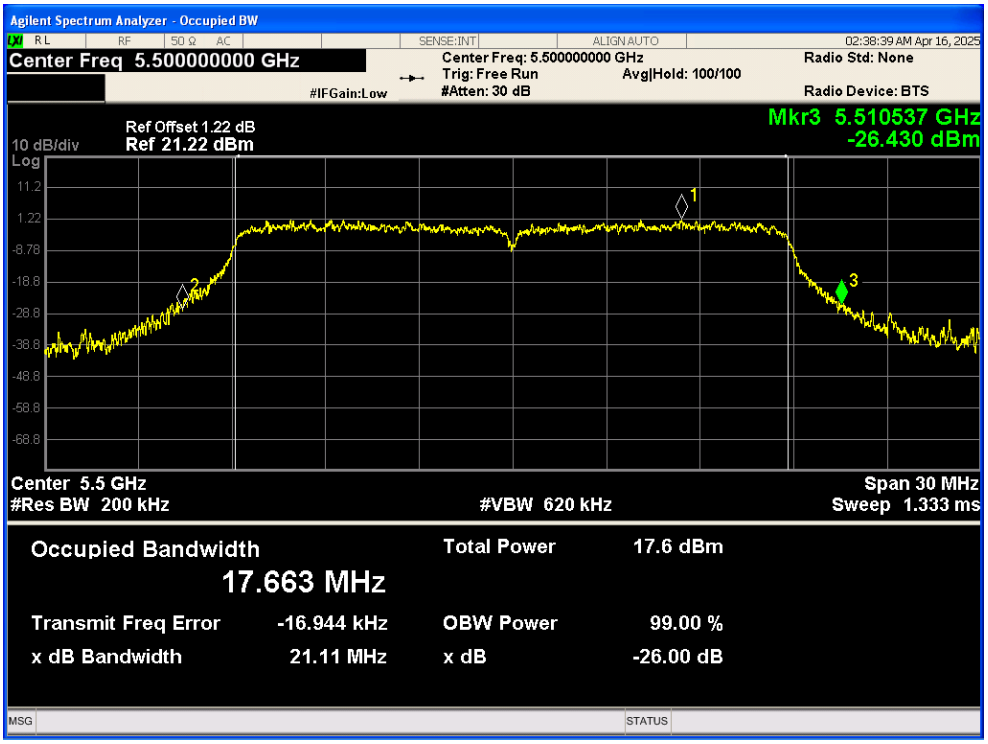


-26dB Bandwidth NVNT ac80 5610MHz Ant2



-26dB Bandwidth NVNT n20 5500MHz Ant1



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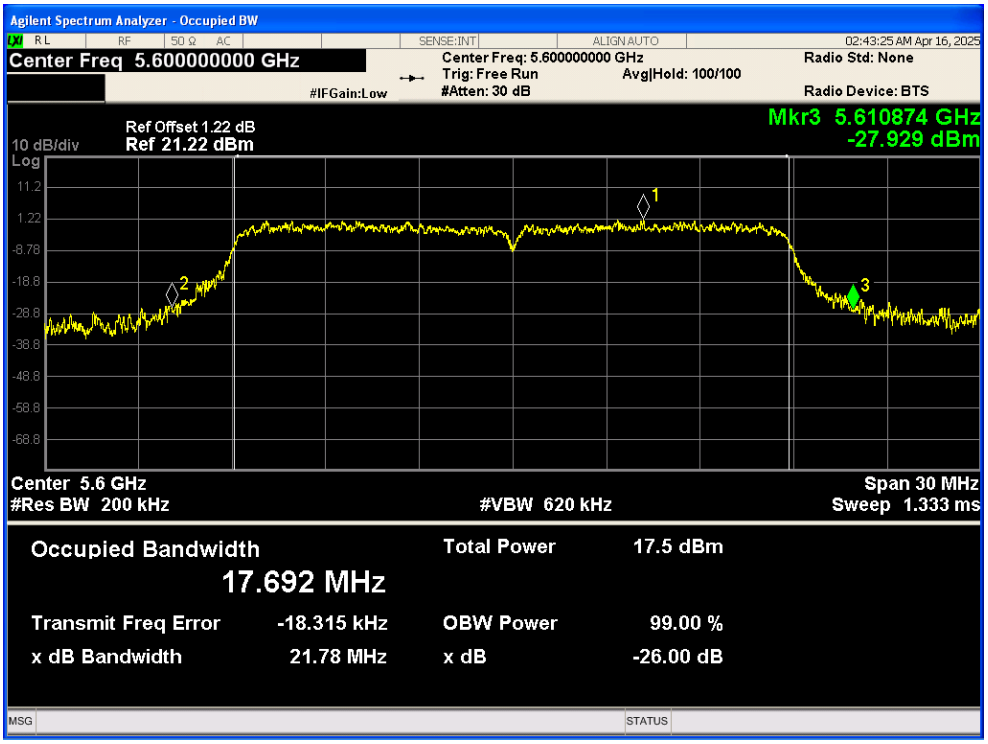

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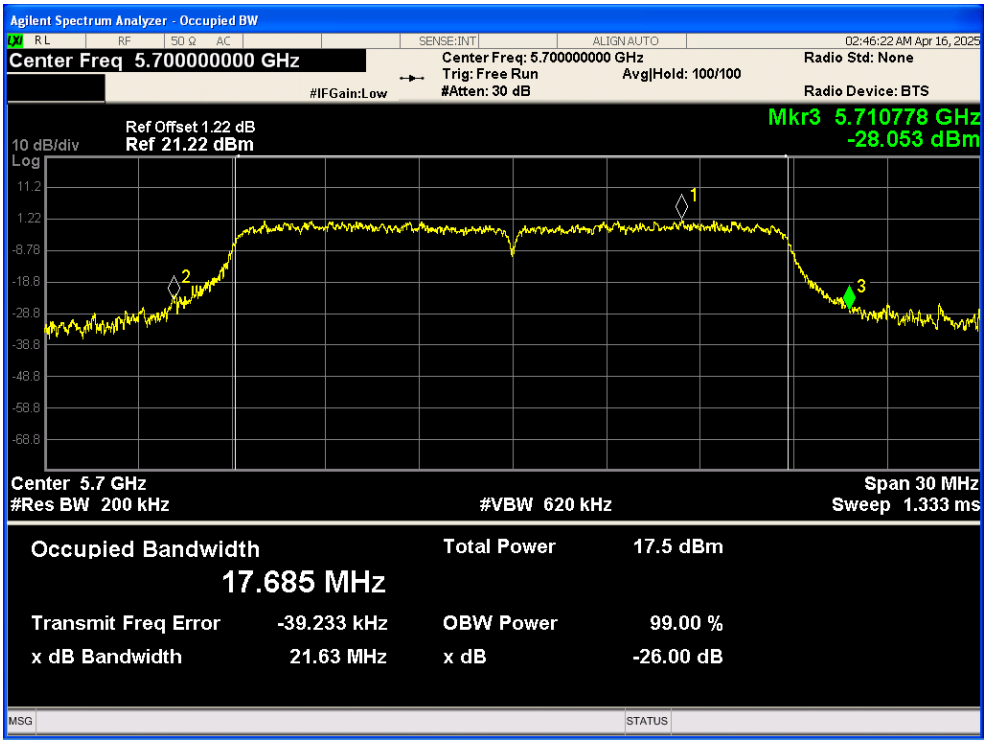

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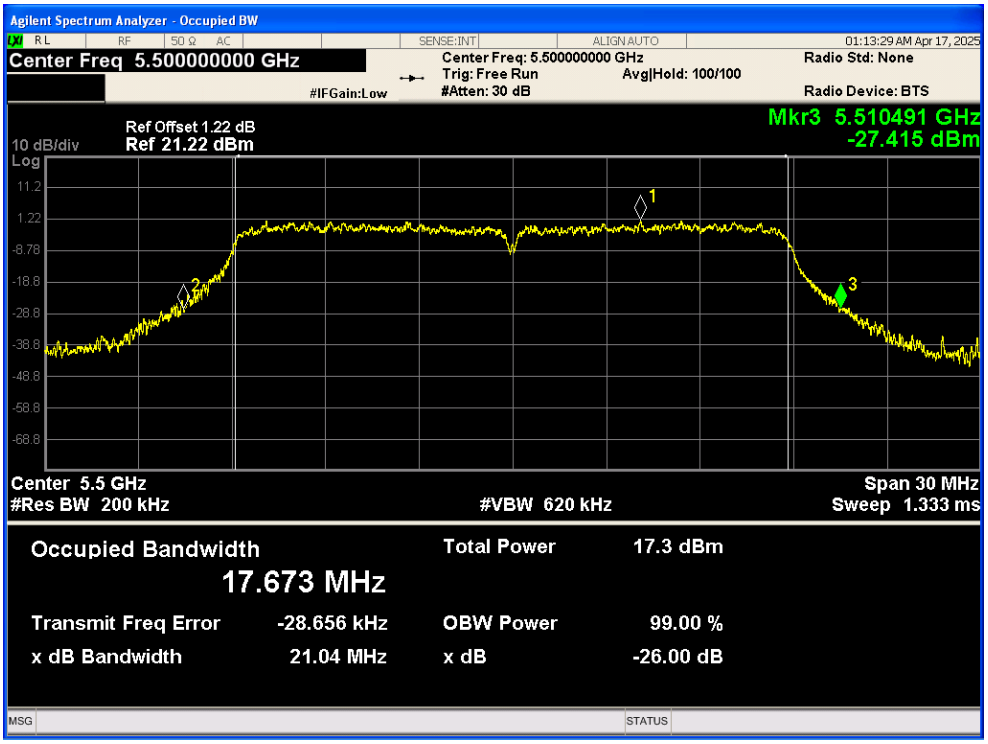
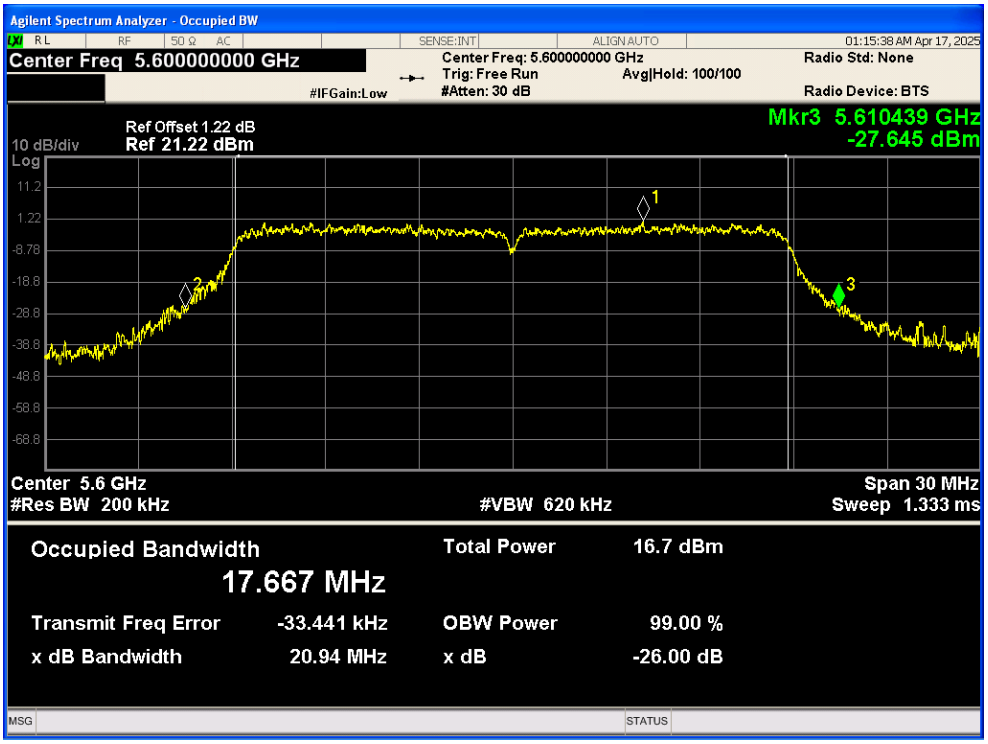
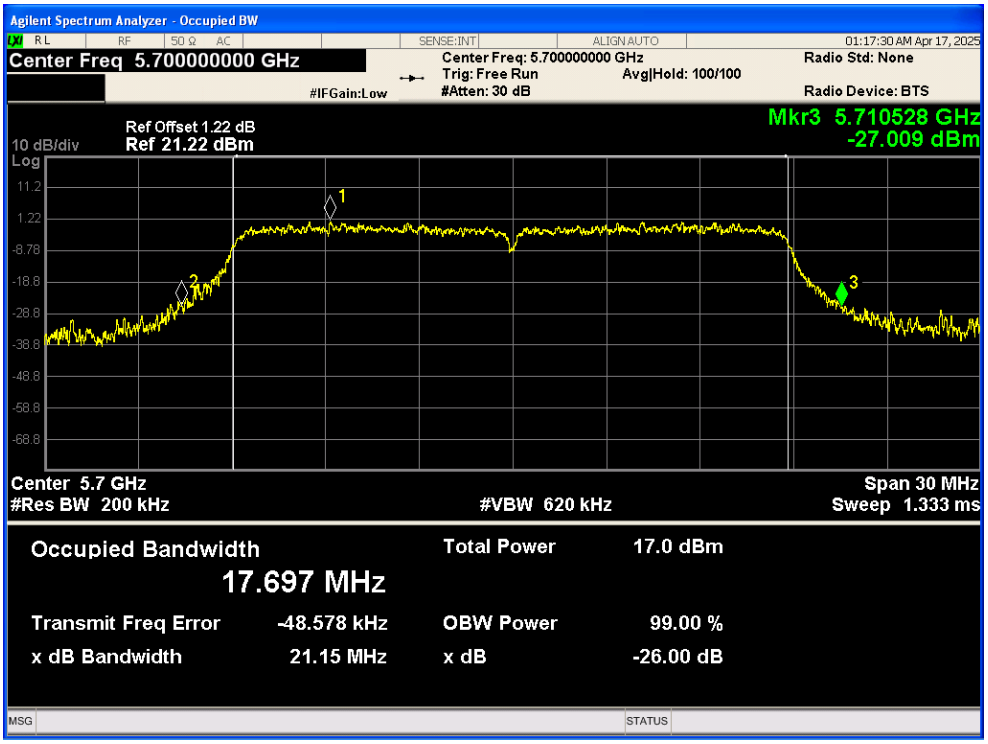


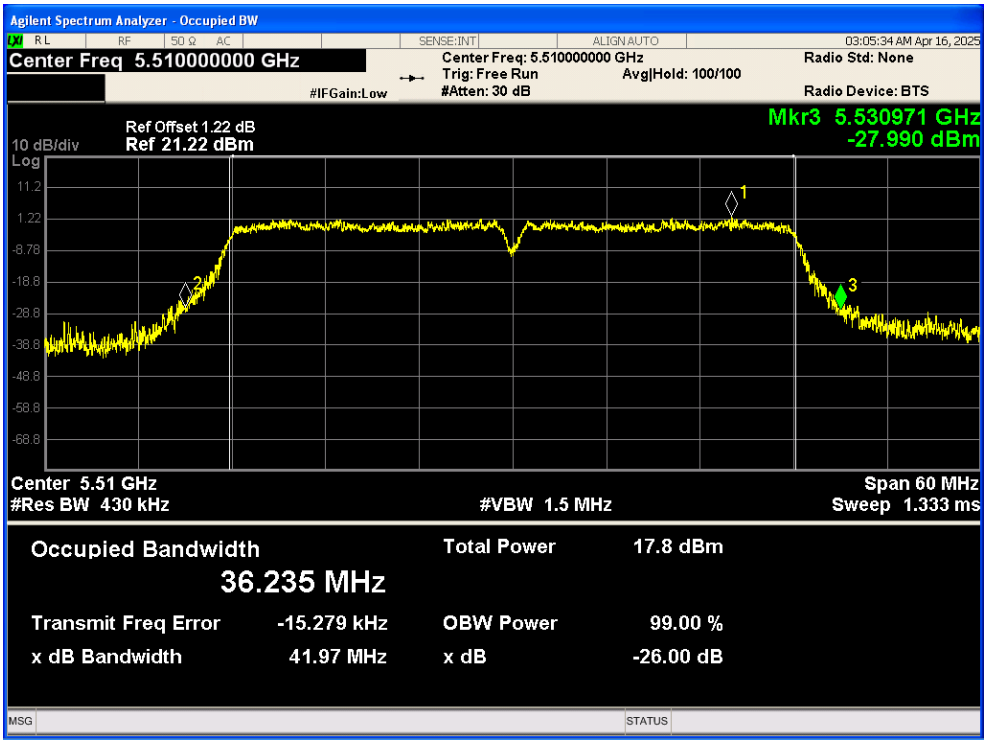
-26dB Bandwidth NVNT n20 5600MHz Ant2



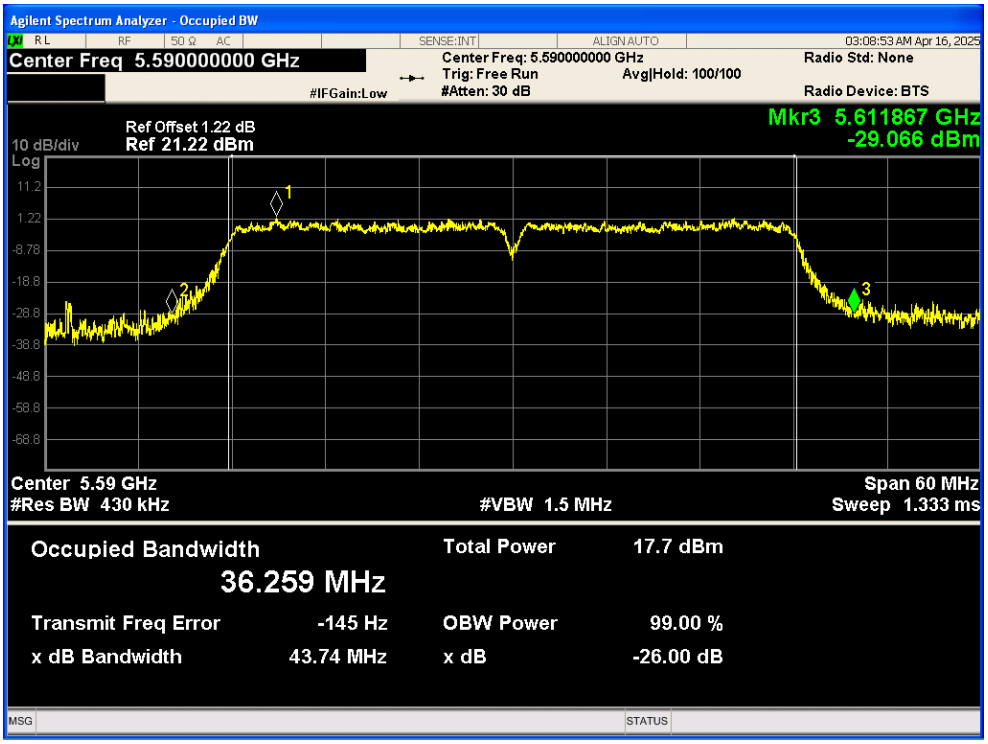
-26dB Bandwidth NVNT n20 5700MHz Ant2



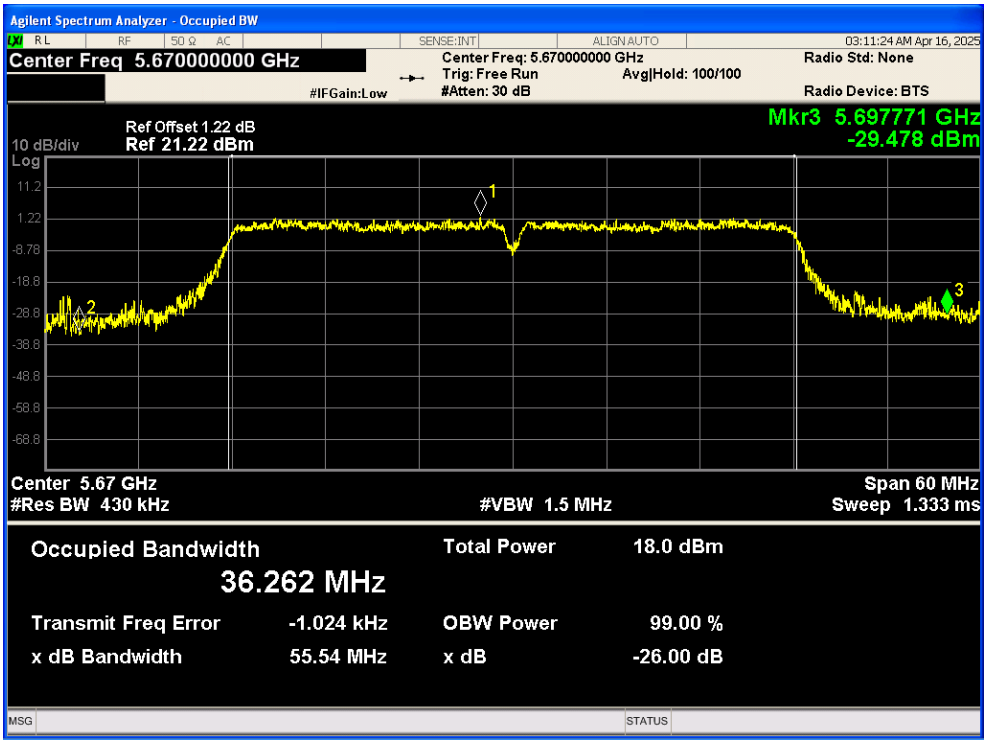
-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5590MHz Ant1



-26dB Bandwidth NVNT n40 5670MHz Ant1



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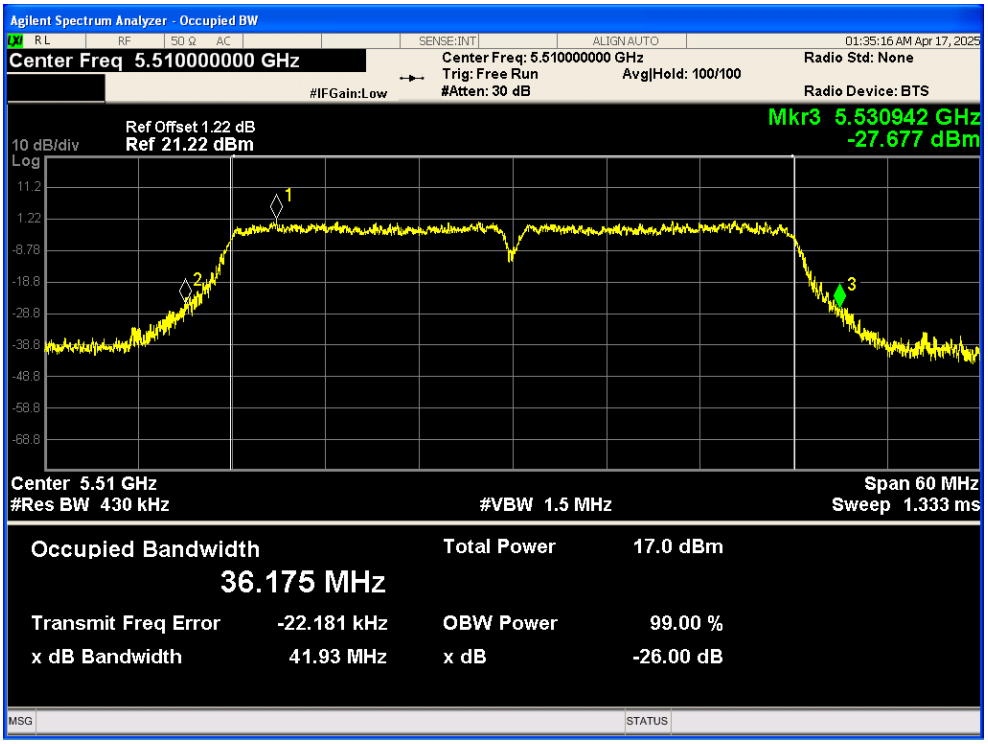
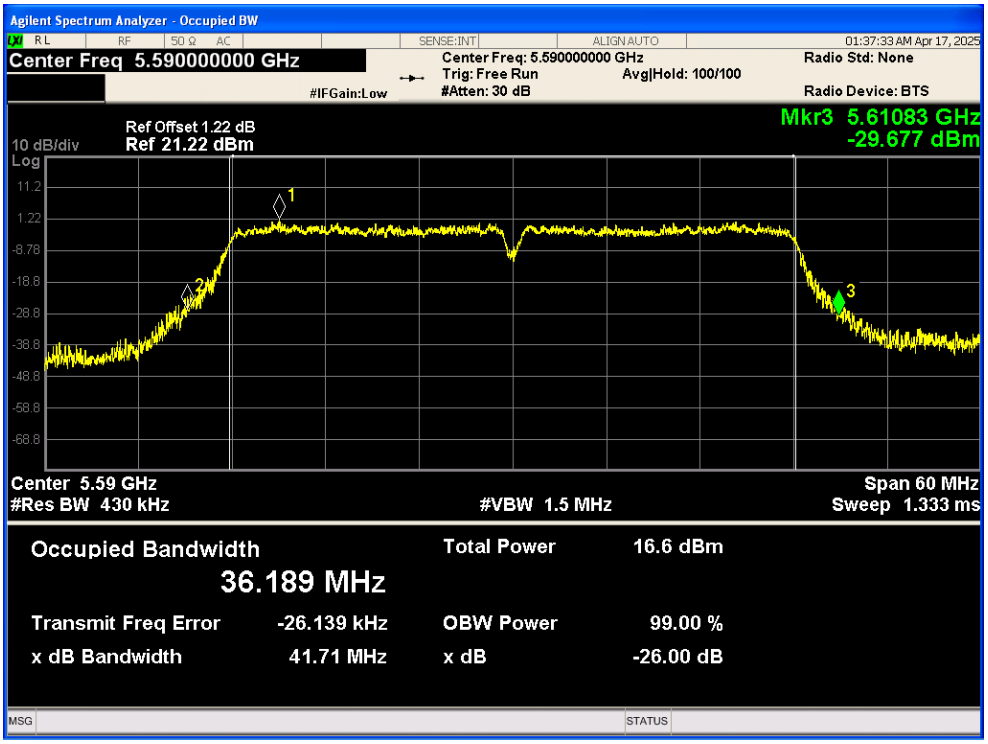
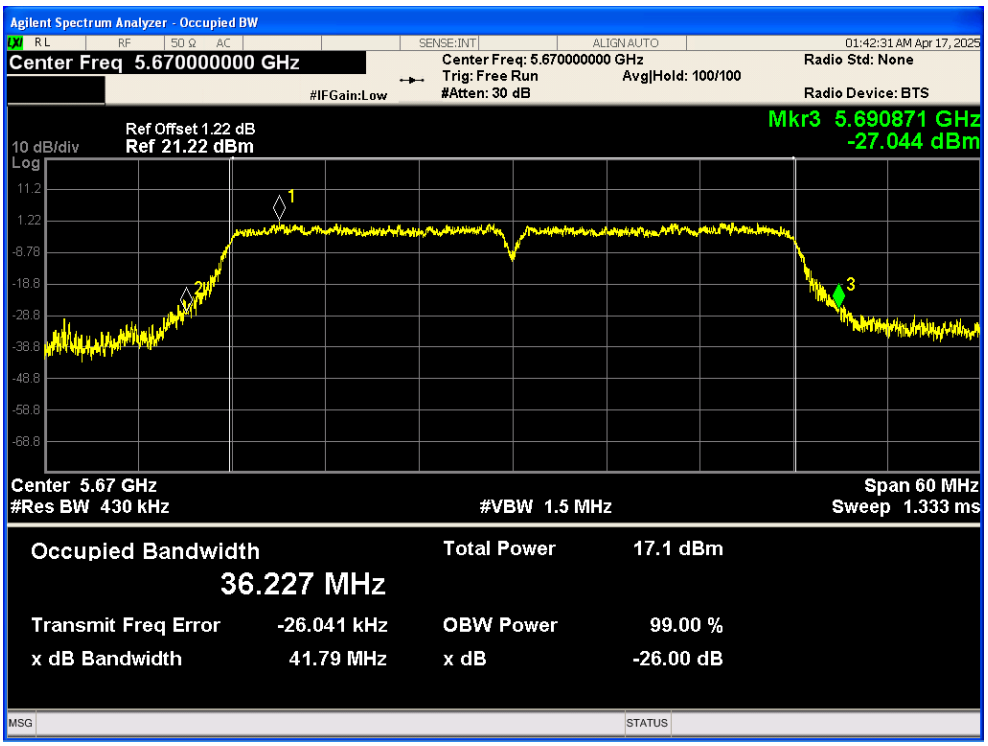


-26dB Bandwidth NVNT n40 5590MHz Ant2



-26dB Bandwidth NVNT n40 5670MHz Ant2

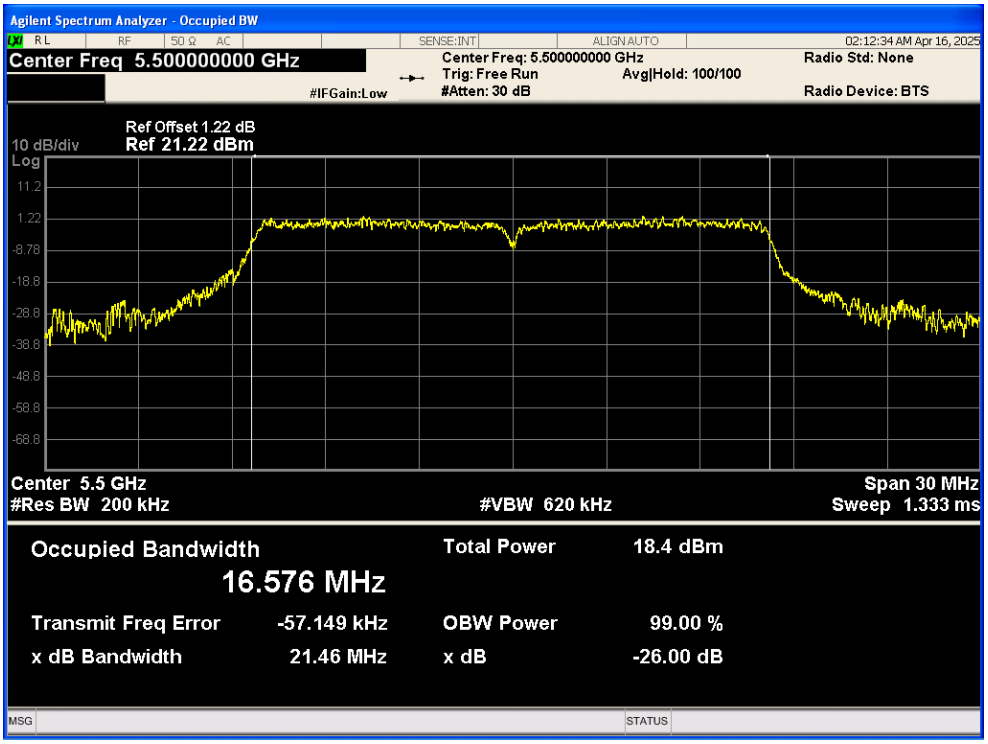


Occupied Channel Bandwidth

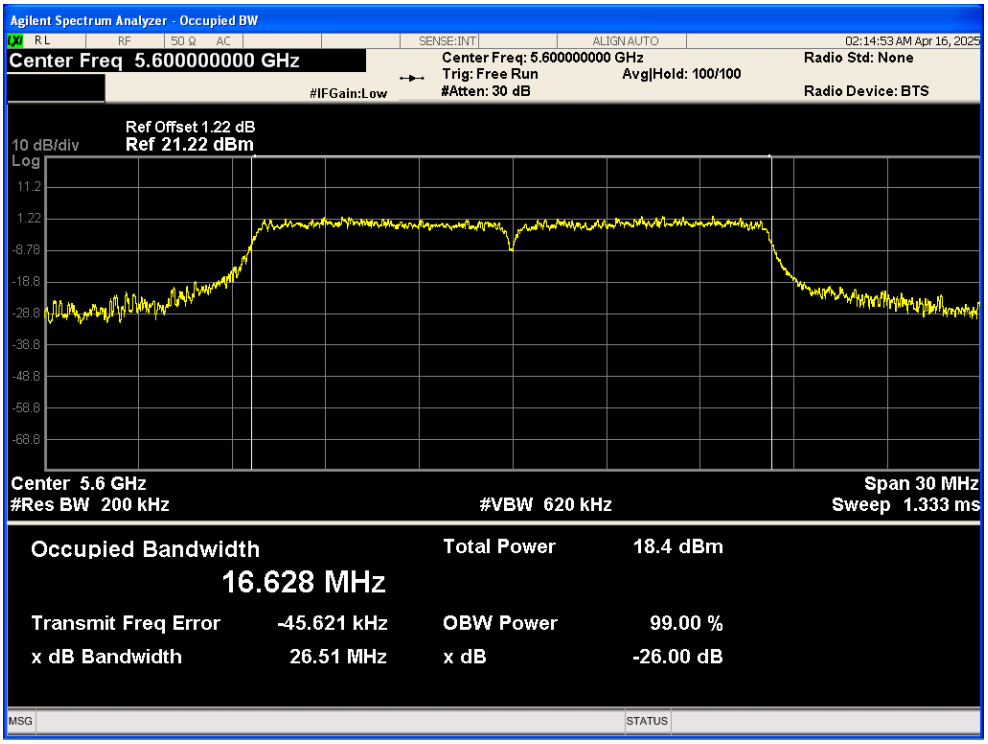
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.576
NVNT	a	5600	Ant1	16.628
NVNT	a	5700	Ant1	16.68

NVNT	a	5500	Ant2	16.549
NVNT	a	5600	Ant2	16.582
NVNT	a	5700	Ant2	16.679
NVNT	ac20	5500	Ant1	17.669
NVNT	ac20	5600	Ant1	17.715
NVNT	ac20	5700	Ant1	17.717
NVNT	ac20	5500	Ant2	17.678
NVNT	ac20	5600	Ant2	17.681
NVNT	ac20	5700	Ant2	17.698
NVNT	ac40	5510	Ant1	36.198
NVNT	ac40	5590	Ant1	36.225
NVNT	ac40	5670	Ant1	36.241
NVNT	ac40	5510	Ant2	36.166
NVNT	ac40	5590	Ant2	36.173
NVNT	ac40	5670	Ant2	36.211
NVNT	ac80	5530	Ant1	75.621
NVNT	ac80	5610	Ant1	75.766
NVNT	ac80	5530	Ant2	75.66
NVNT	ac80	5610	Ant2	75.7
NVNT	n20	5500	Ant1	17.671
NVNT	n20	5600	Ant1	17.698
NVNT	n20	5700	Ant1	17.716
NVNT	n20	5500	Ant2	17.672
NVNT	n20	5600	Ant2	17.666
NVNT	n20	5700	Ant2	17.698
NVNT	n40	5510	Ant1	36.197
NVNT	n40	5590	Ant1	36.215
NVNT	n40	5670	Ant1	36.253
NVNT	n40	5510	Ant2	36.185
NVNT	n40	5590	Ant2	36.18
NVNT	n40	5670	Ant2	36.205

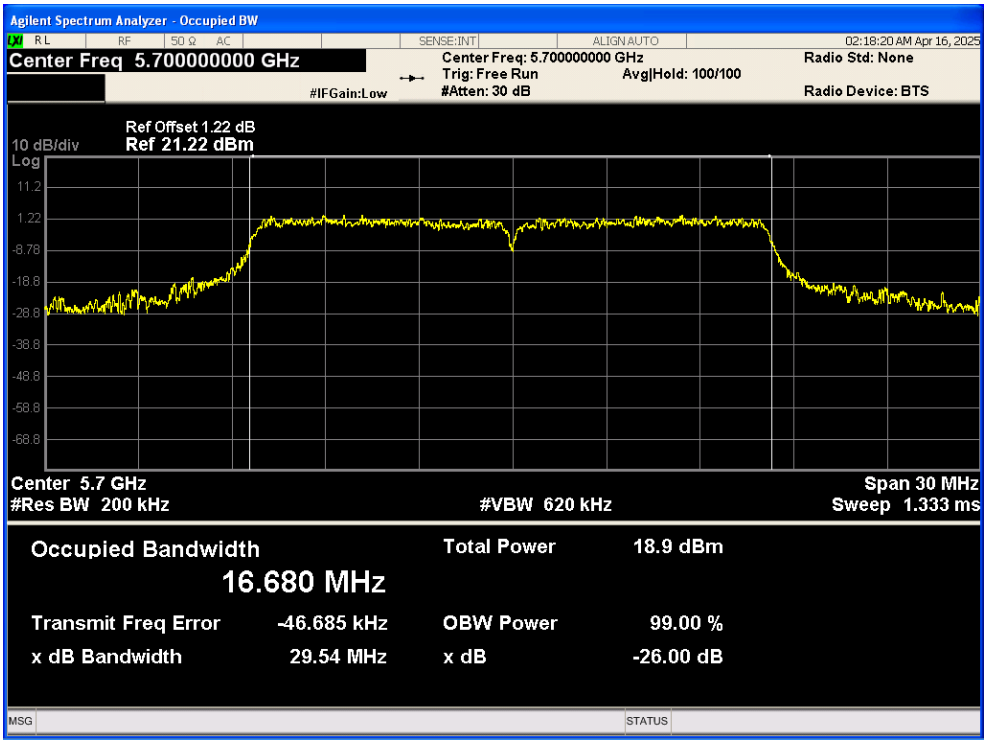
OBW NVNT a 5500MHz Ant1



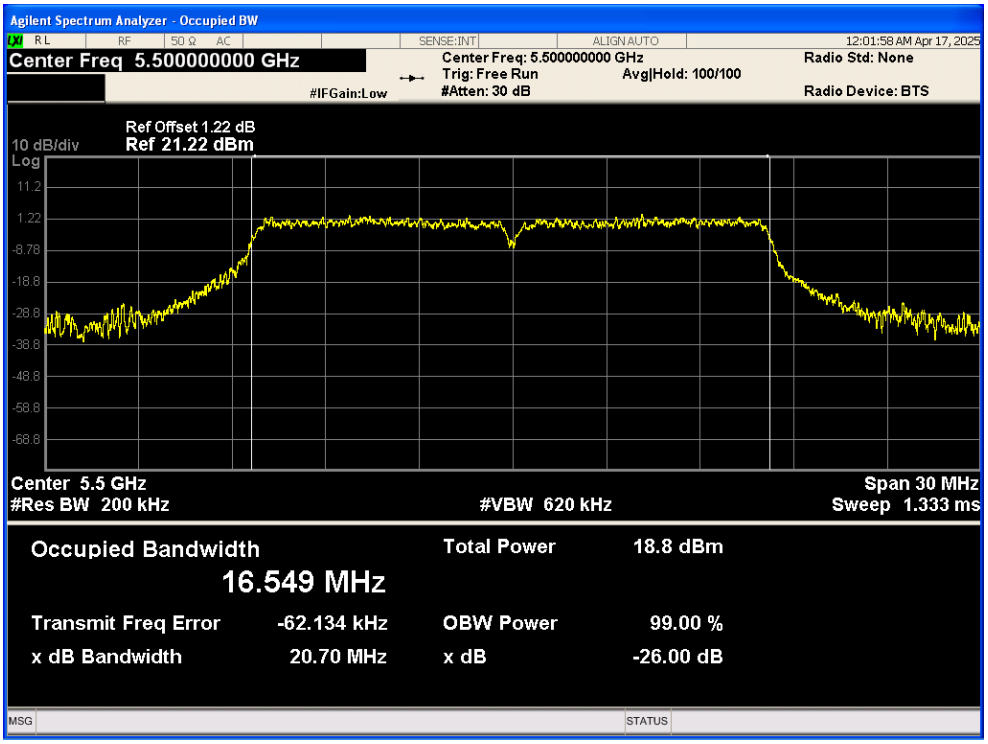
OBW NVNT a 5600MHz Ant1



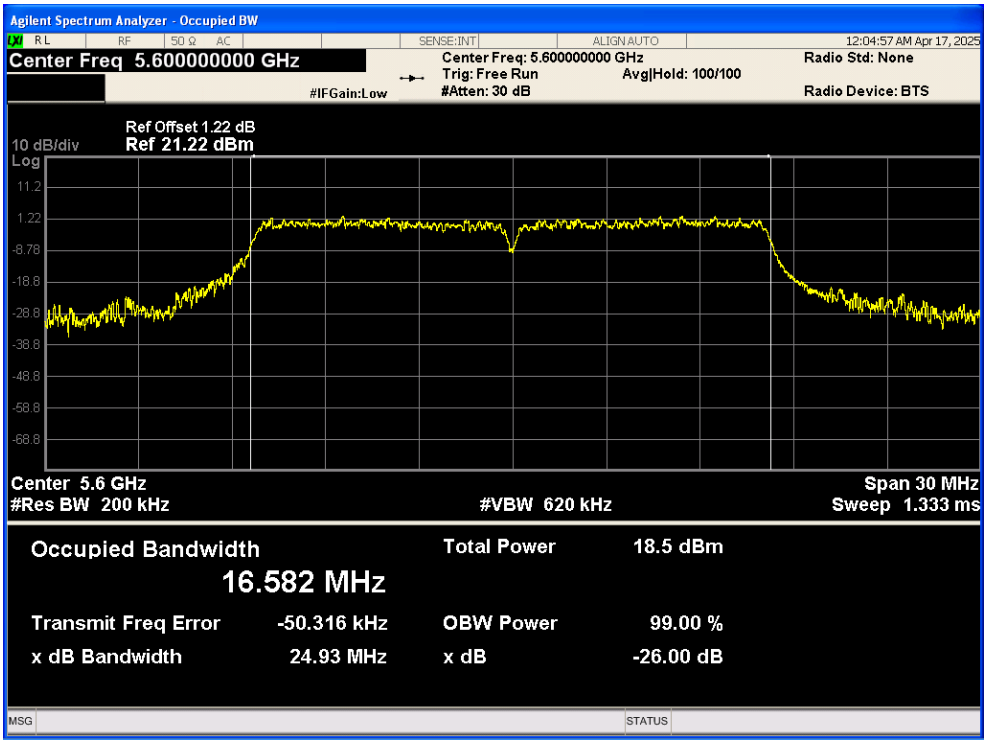
OBW NVNT a 5700MHz Ant1



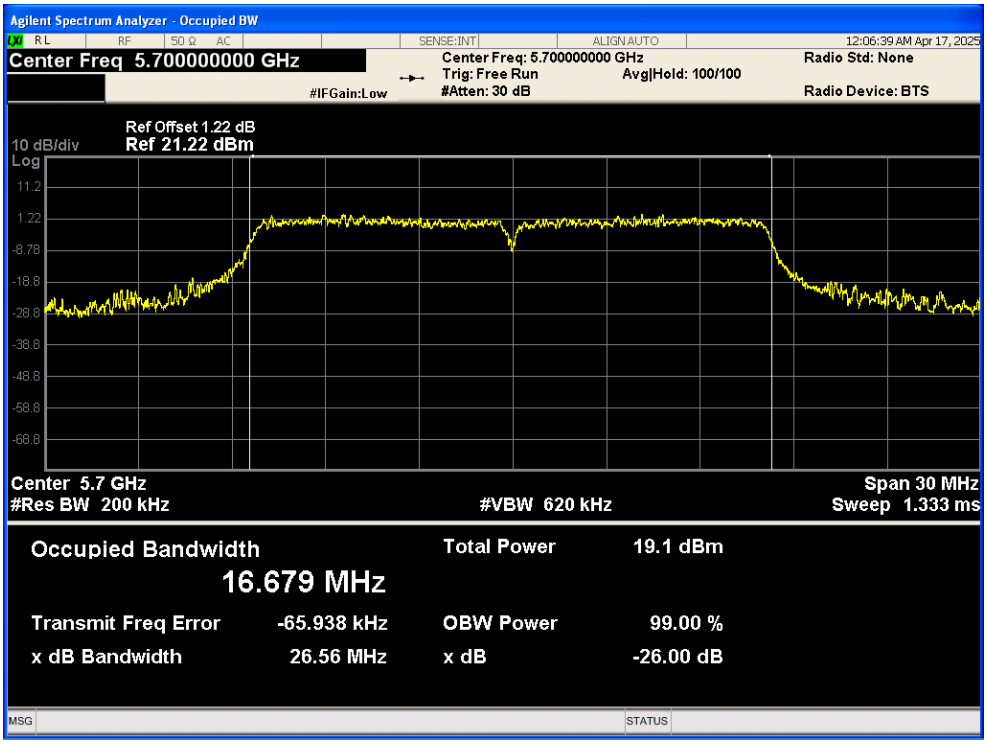
OBW NVNT a 5500MHz Ant2



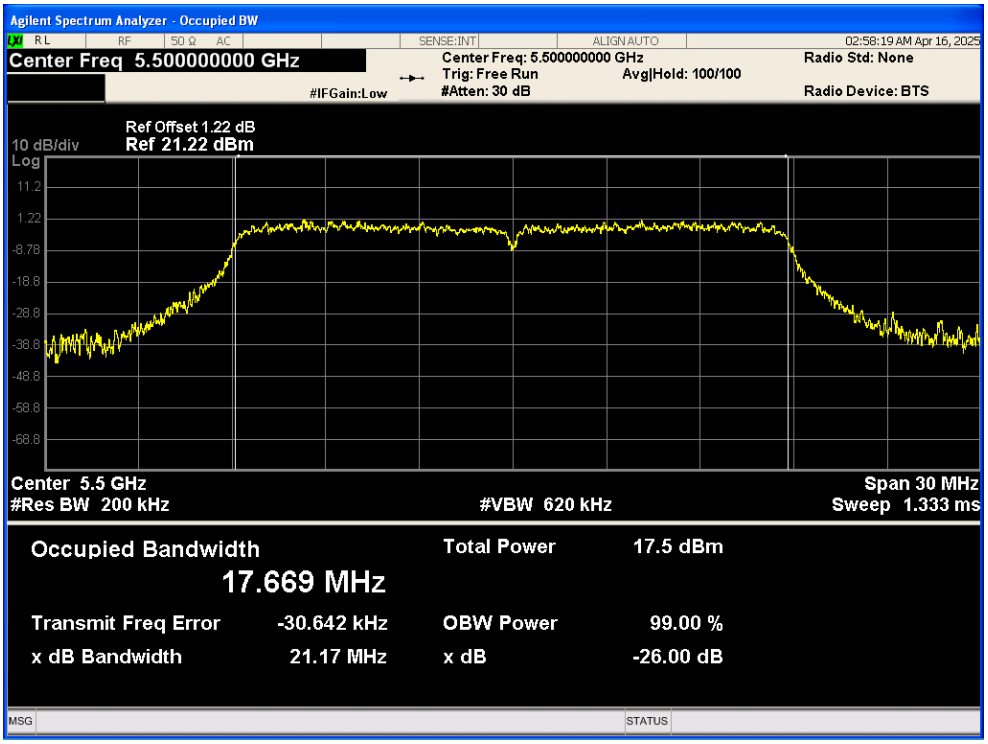
OBW NVNT a 5600MHz Ant2



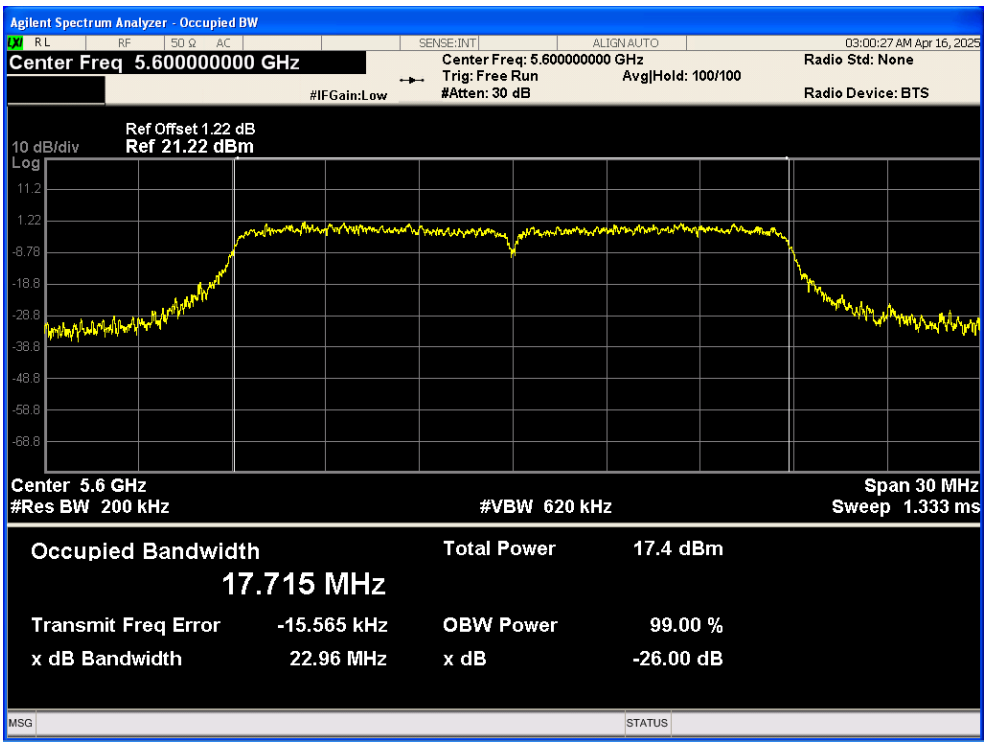
OBW NVNT a 5700MHz Ant2



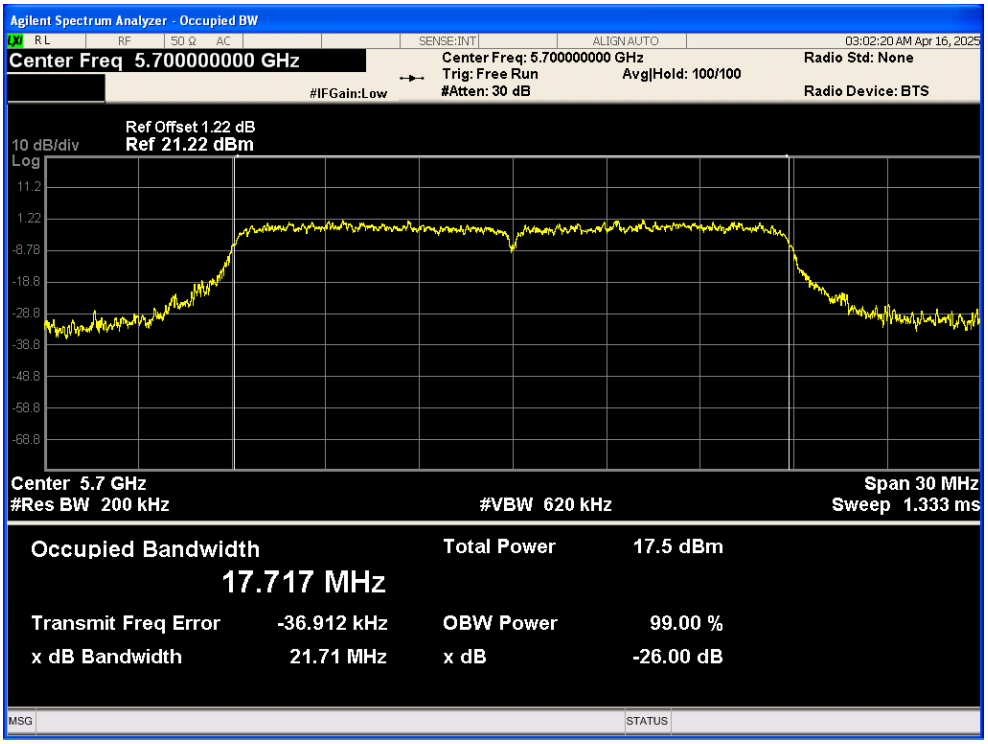
OBW NVNT ac20 5500MHz Ant1



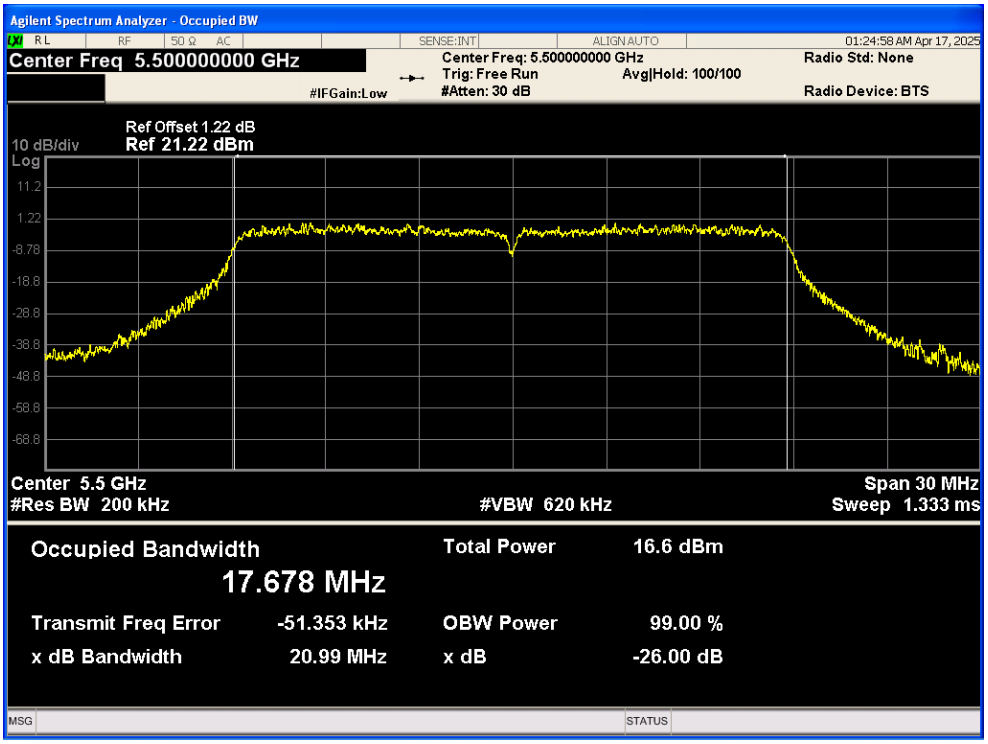
OBW NVNT ac20 5600MHz Ant1



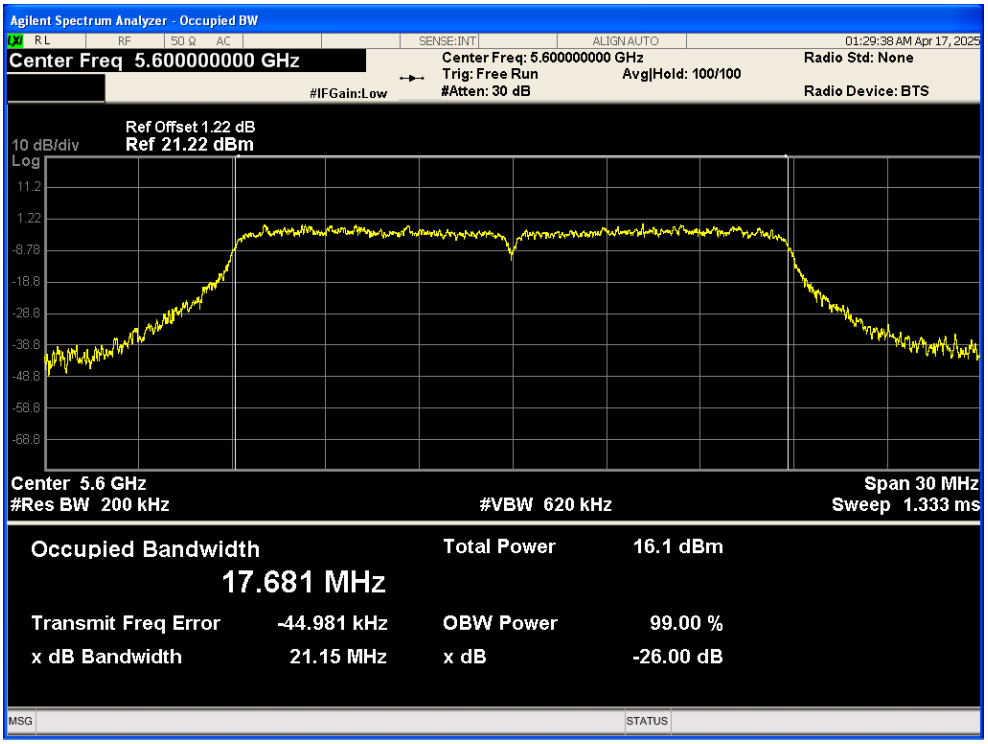
OBW NVNT ac20 5700MHz Ant1



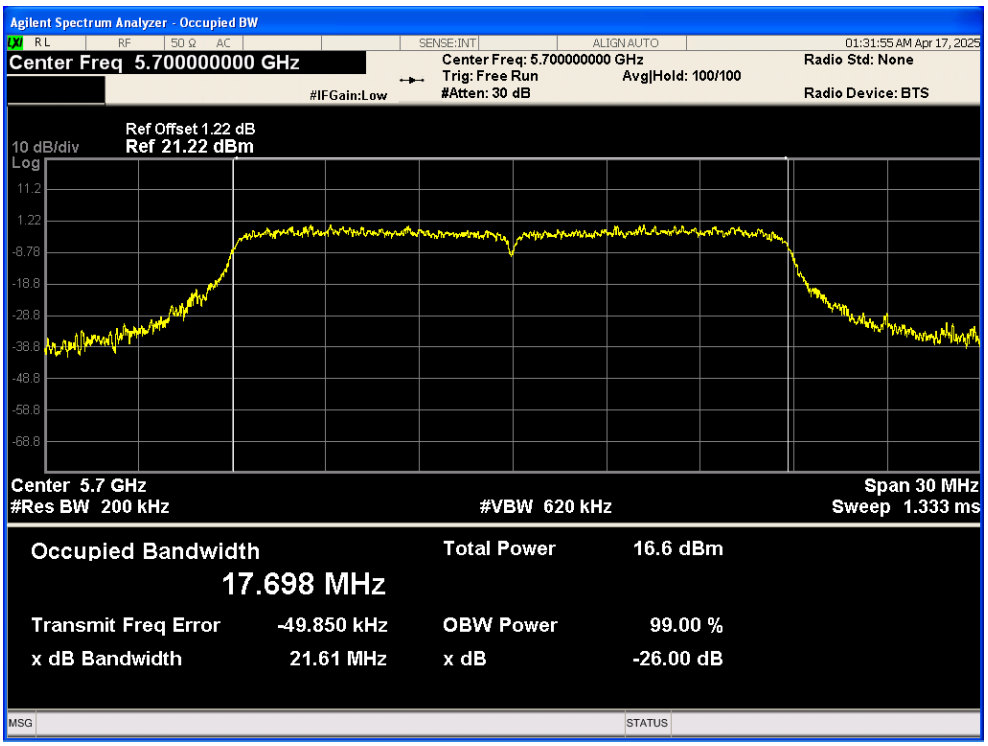
OBW NVNT ac20 5500MHz Ant2



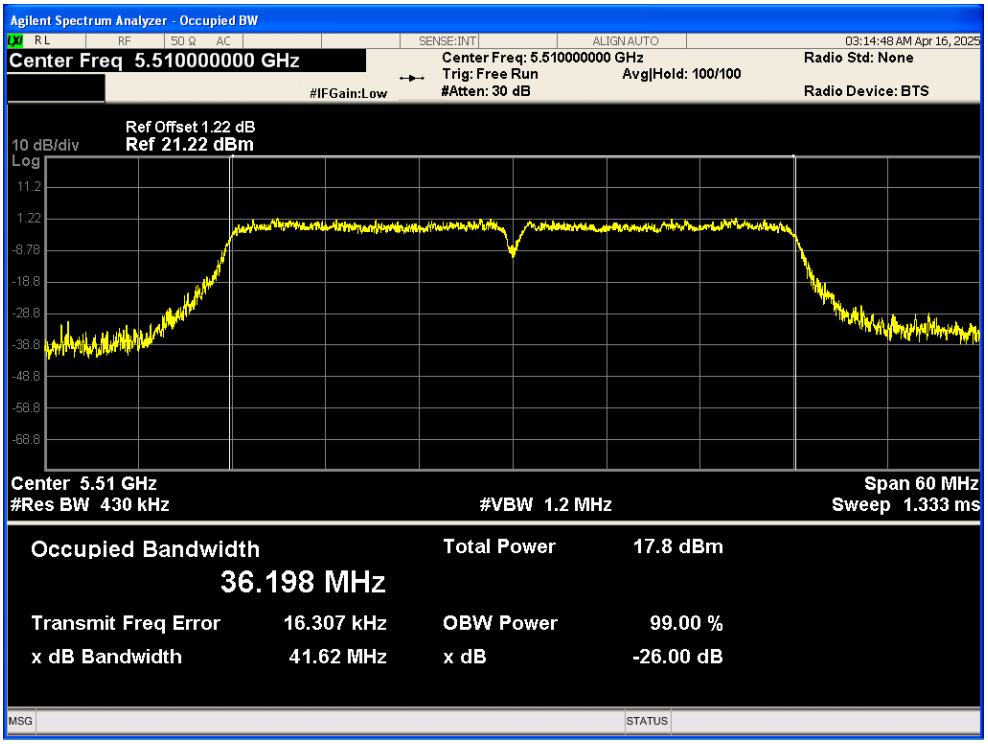
OBW NVNT ac20 5600MHz Ant2



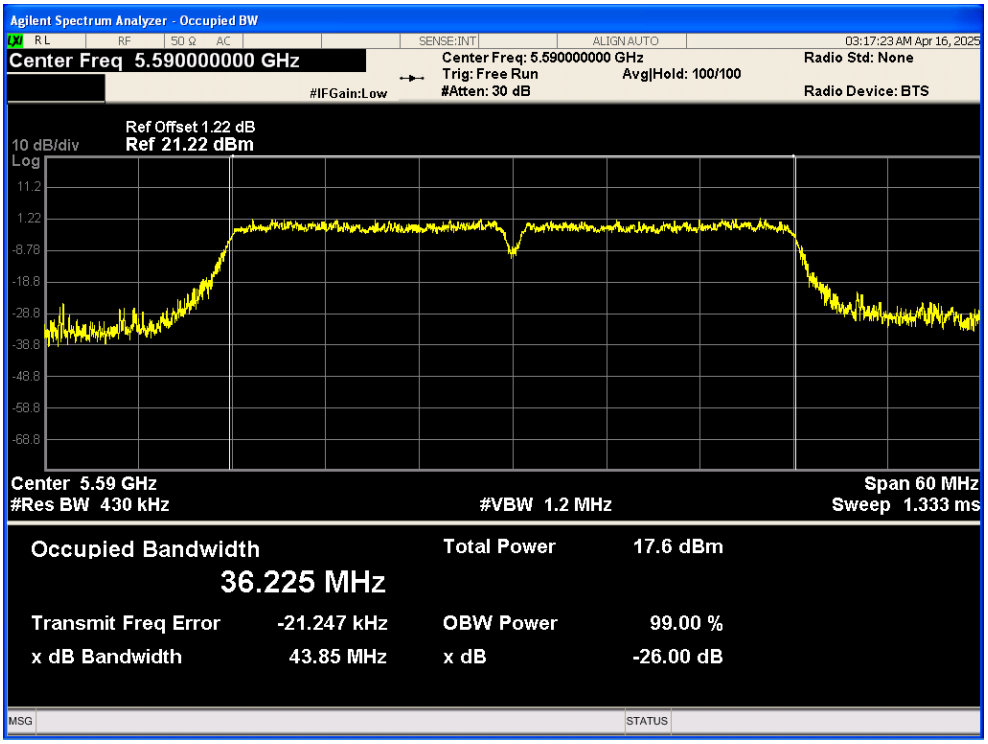
OBW NVNT ac20 5700MHz Ant2



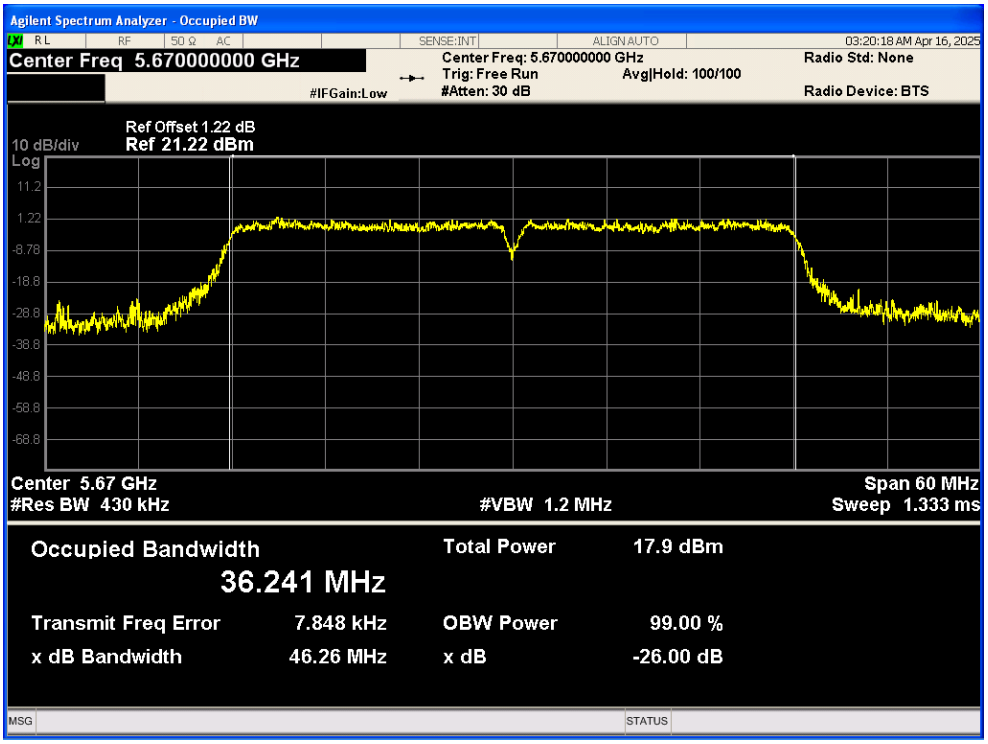
OBW NVNT ac40 5510MHz Ant1



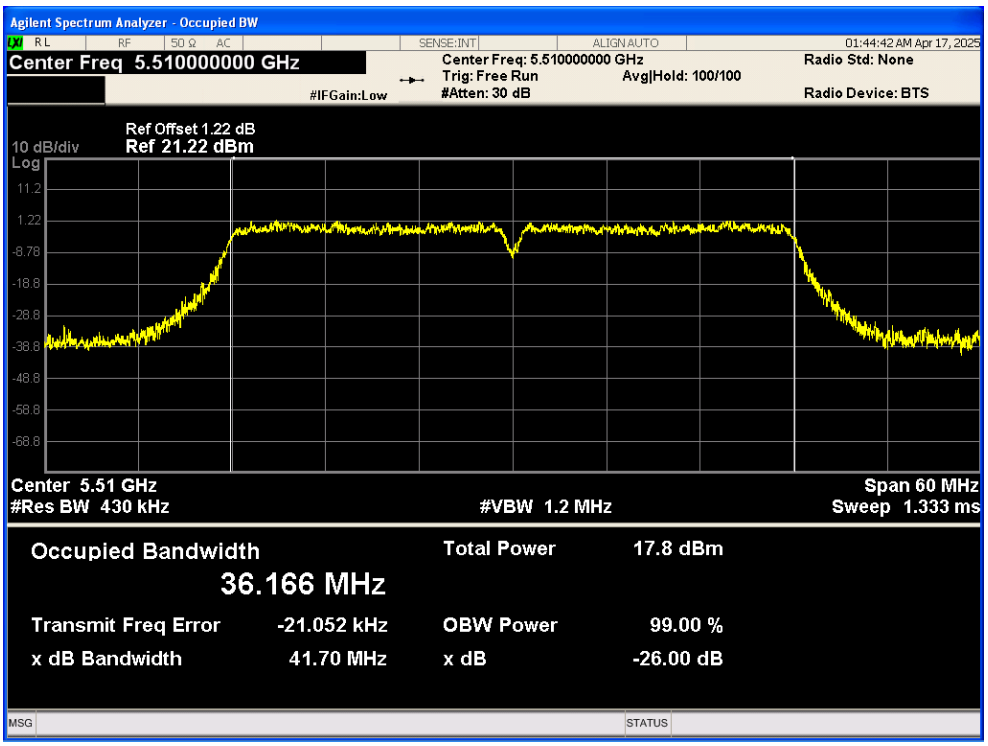
OBW NVNT ac40 5590MHz Ant1



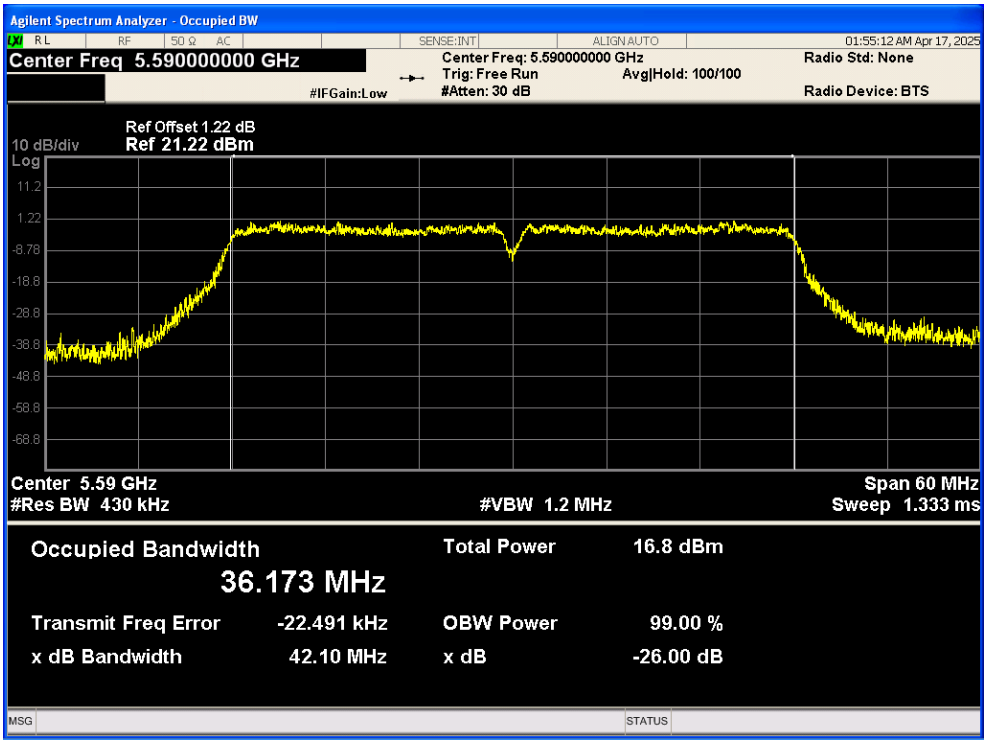
OBW NVNT ac40 5670MHz Ant1



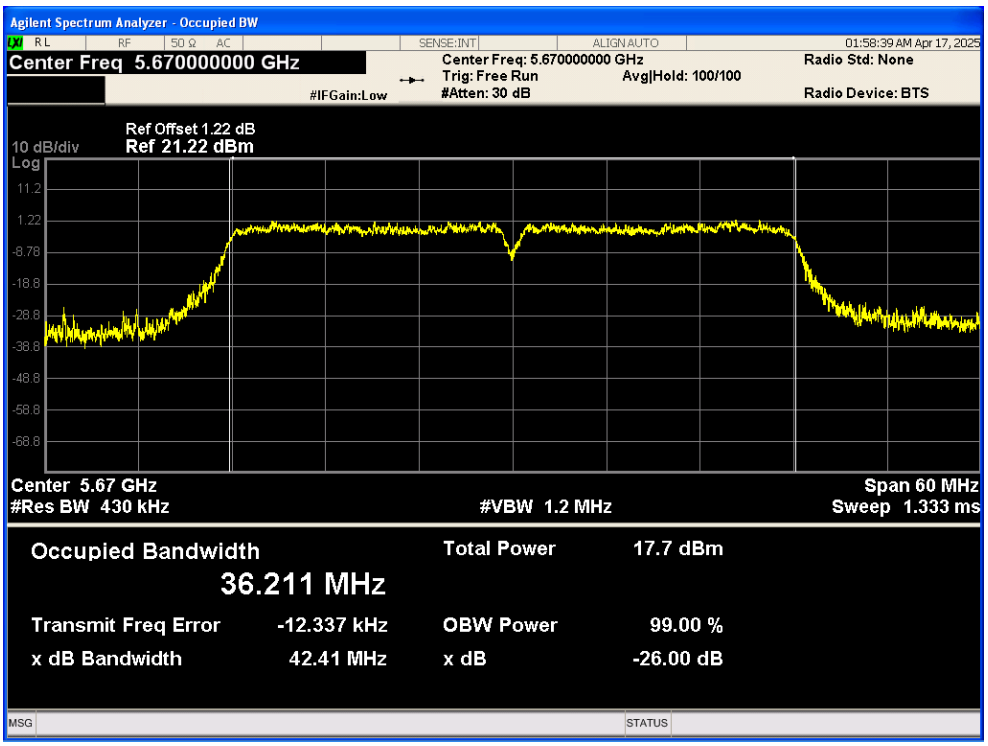
OBW NVNT ac40 5510MHz Ant2



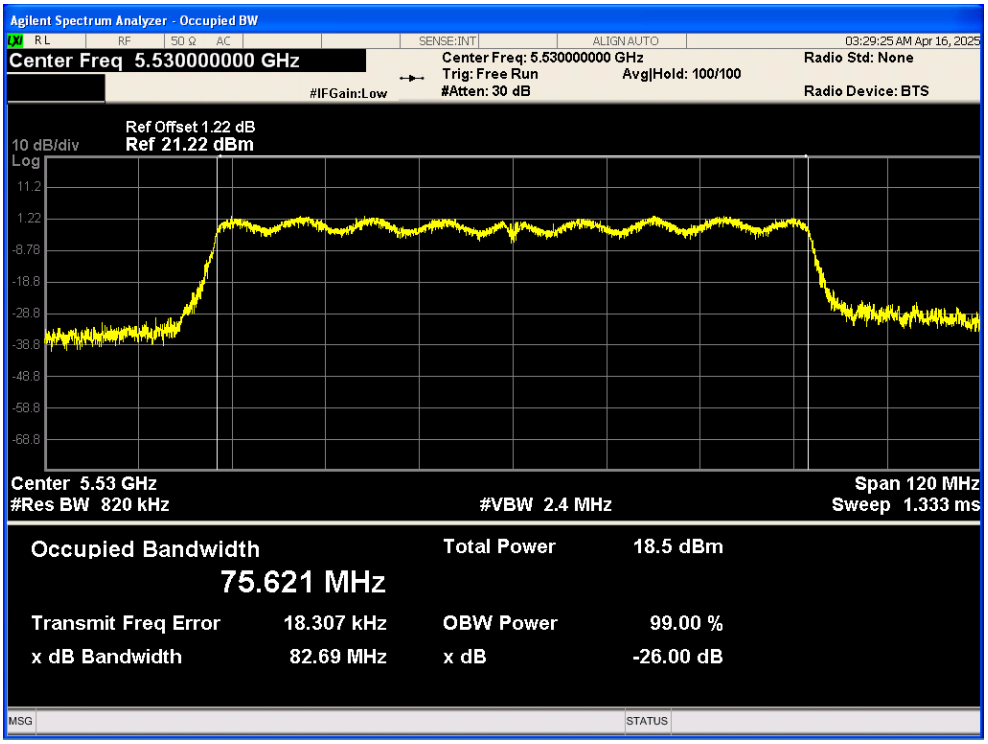
OBW NVNT ac40 5590MHz Ant2



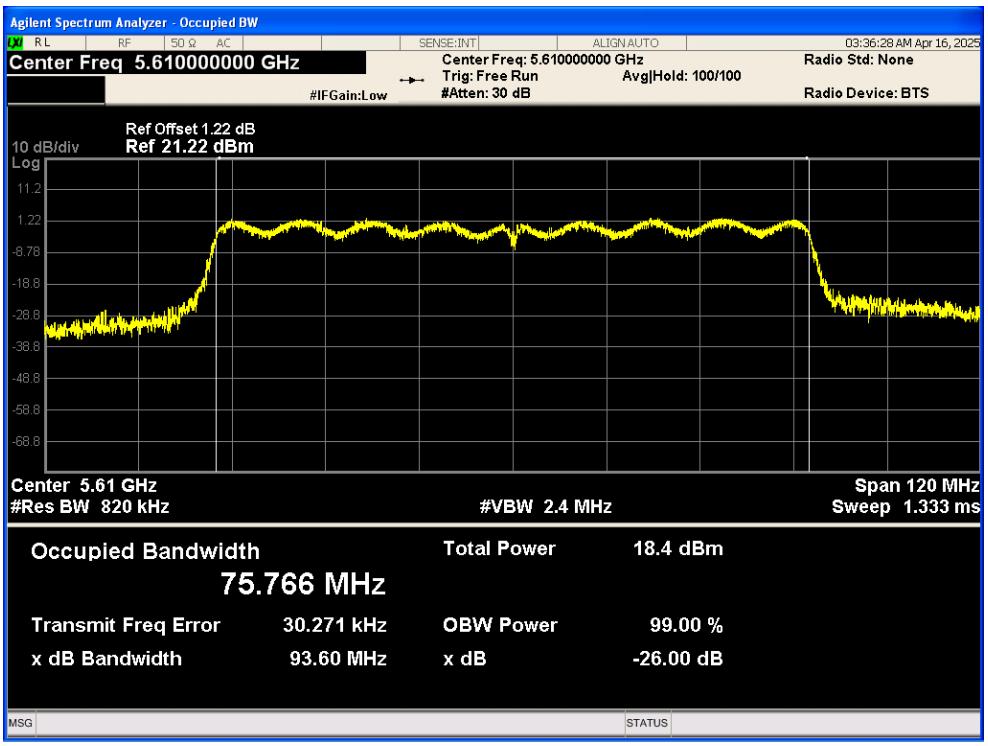
OBW NVNT ac40 5670MHz Ant2



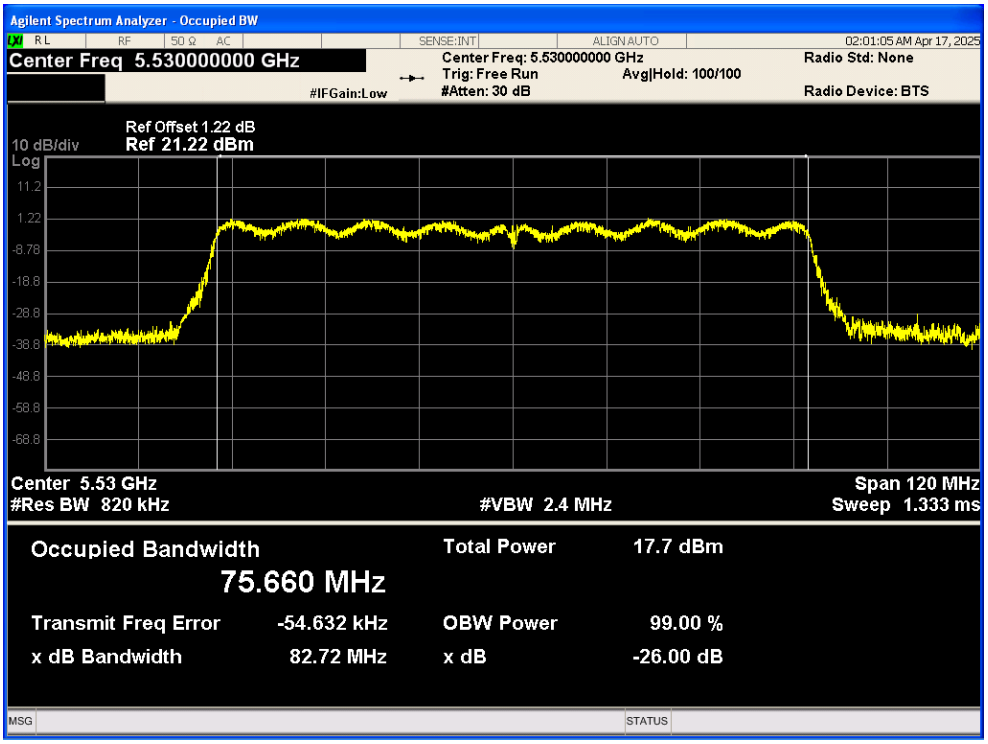
OBW NVNT ac80 5530MHz Ant1



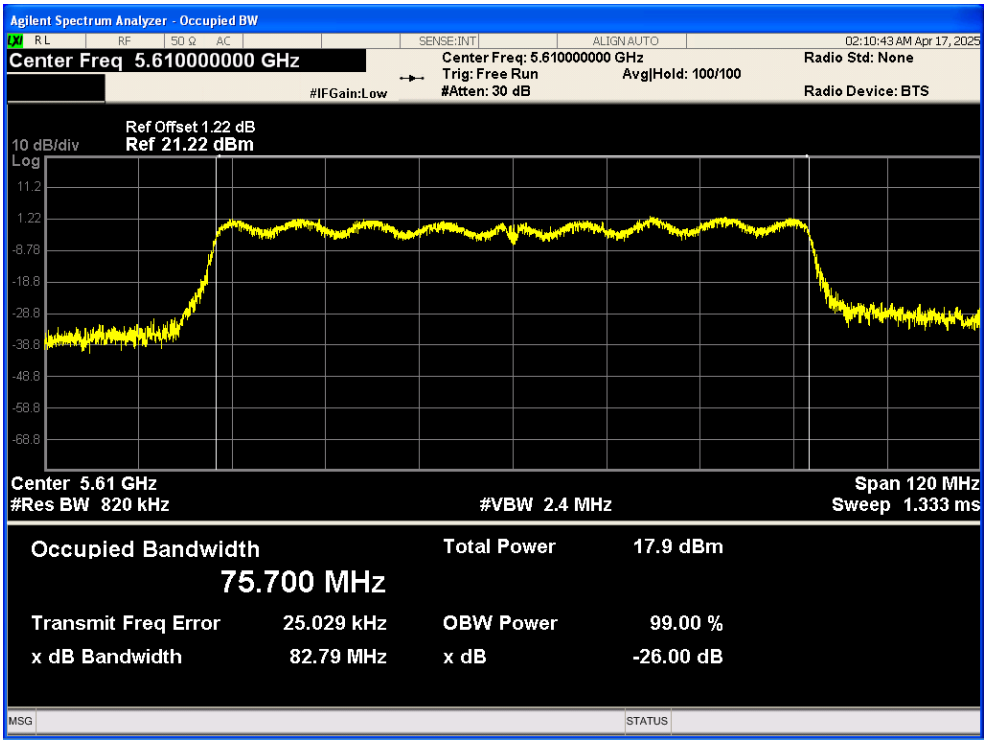
OBW NVNT ac80 5610MHz Ant1



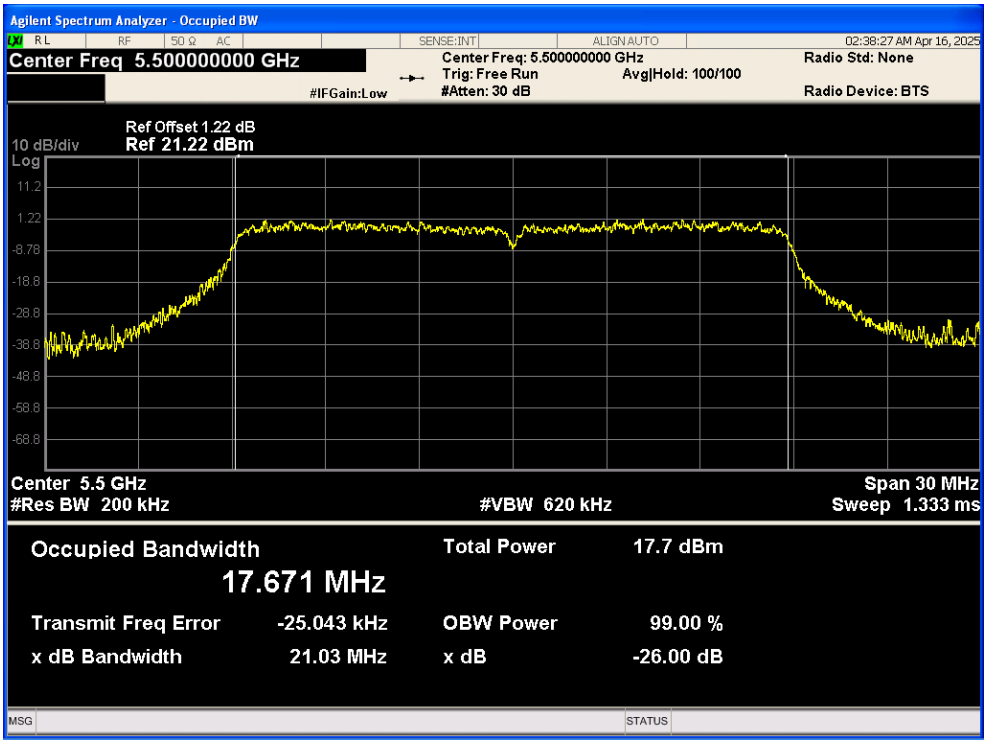
OBW NVNT ac80 5530MHz Ant2



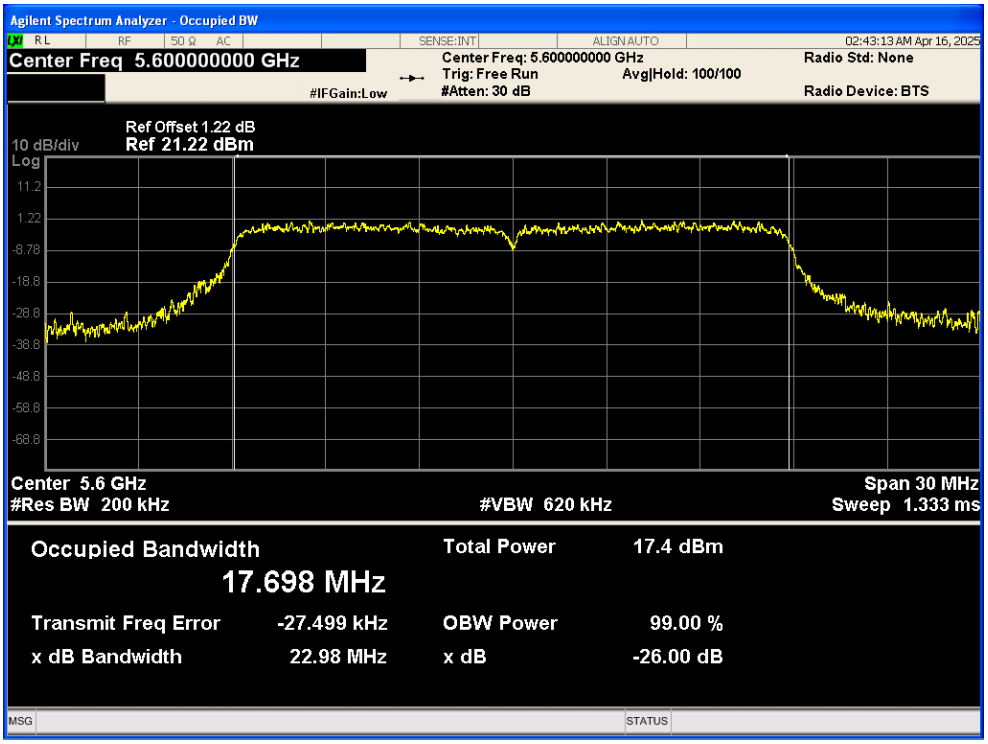
OBW NVNT ac80 5610MHz Ant2



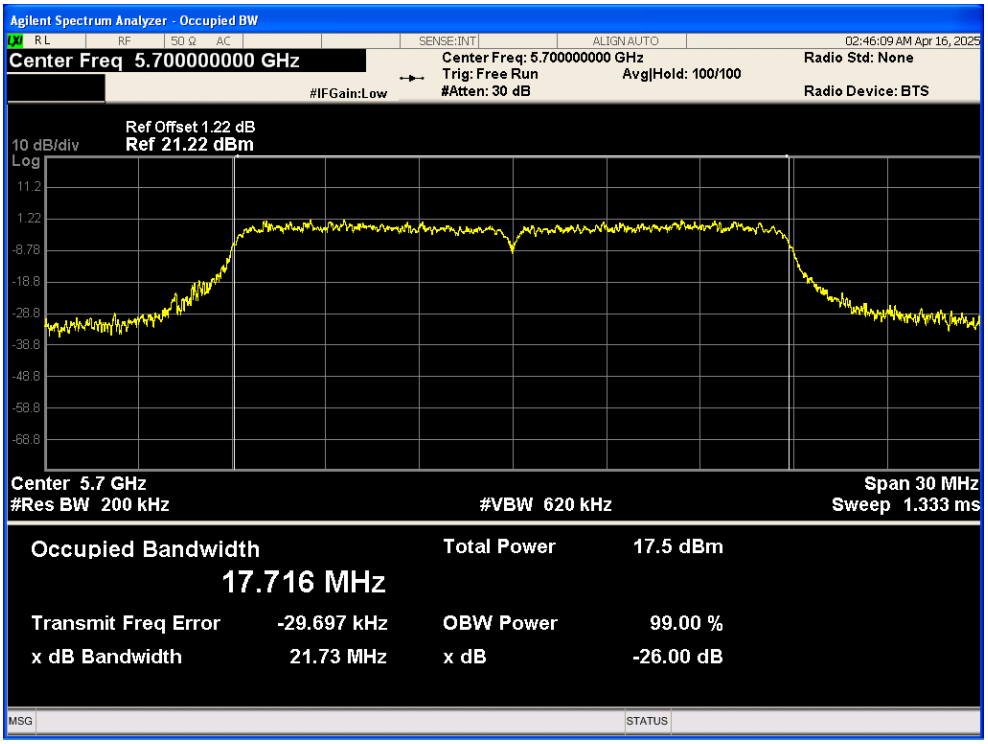
OBW NVNT n20 5500MHz Ant1



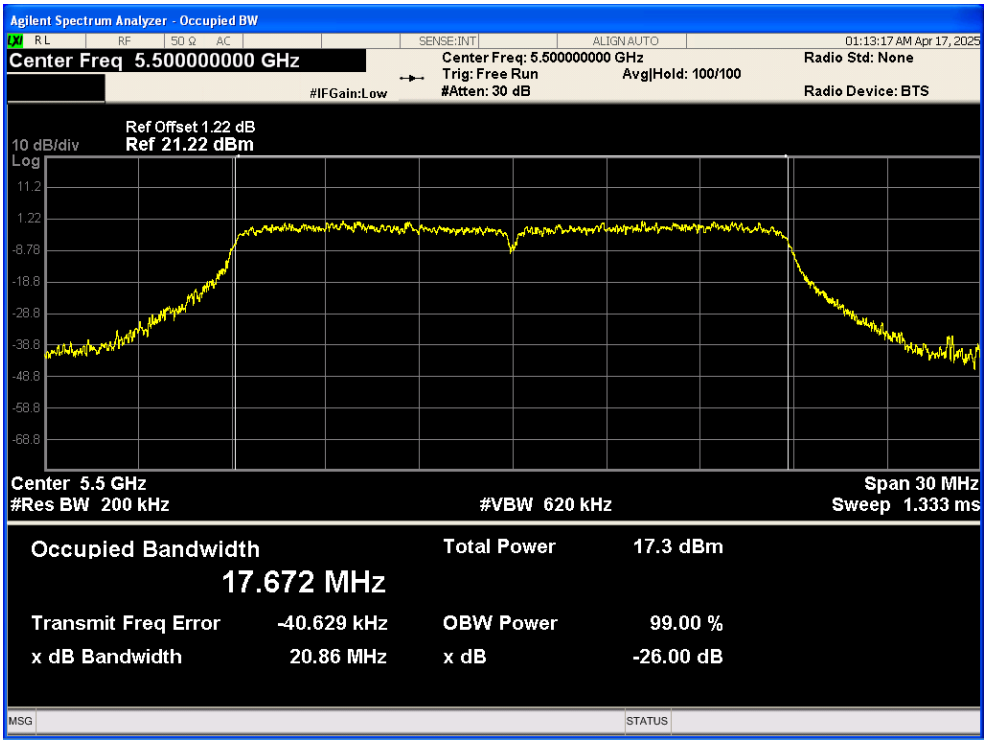
OBW NVNT n20 5600MHz Ant1



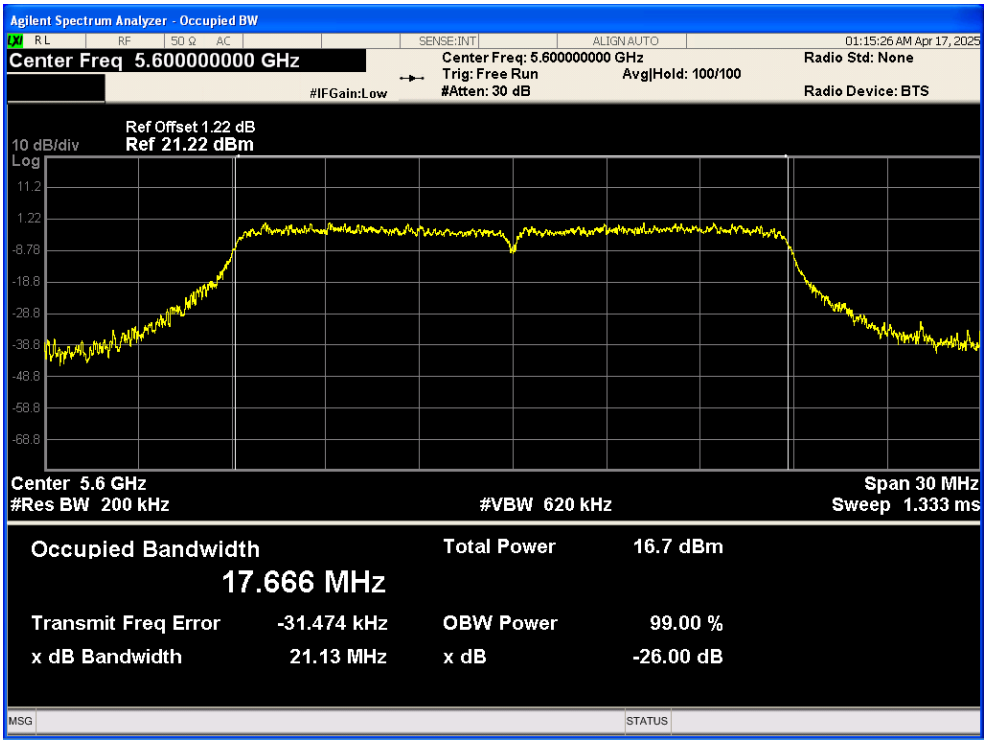
OBW NVNT n20 5700MHz Ant1



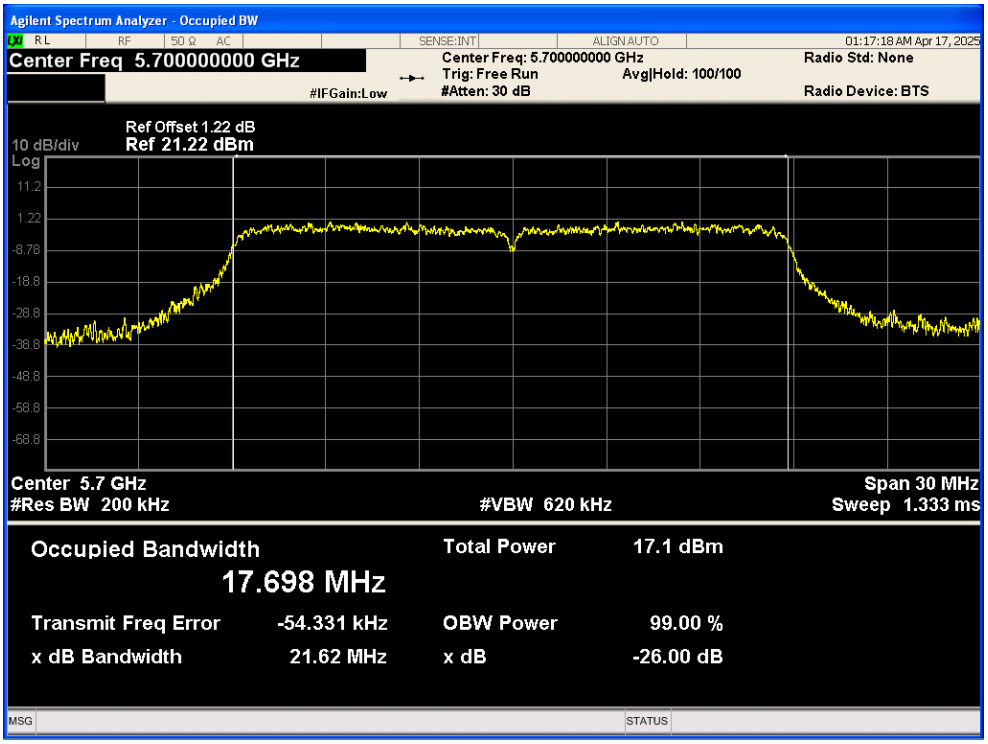
OBW NVNT n20 5500MHz Ant2



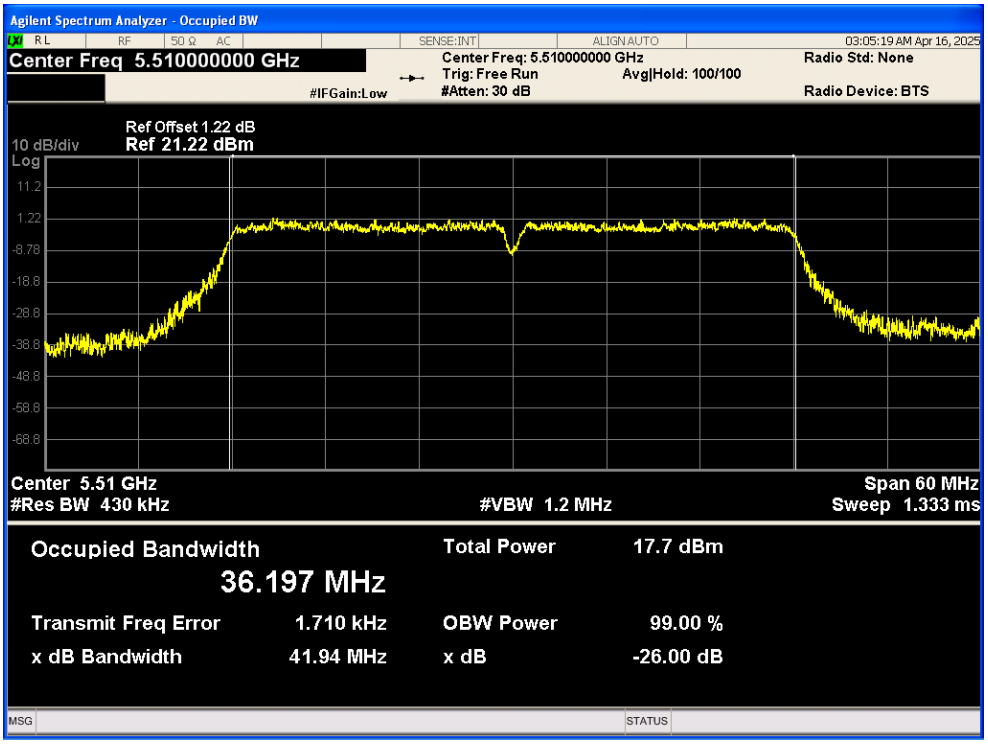
OBW NVNT n20 5600MHz Ant2



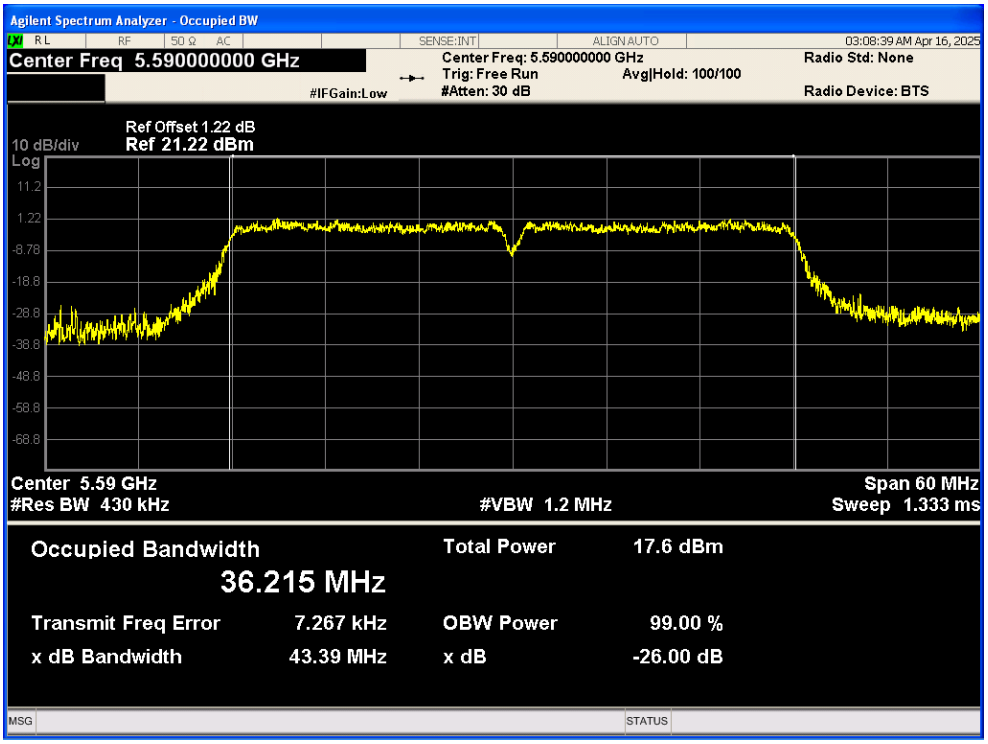
OBW NVNT n20 5700MHz Ant2



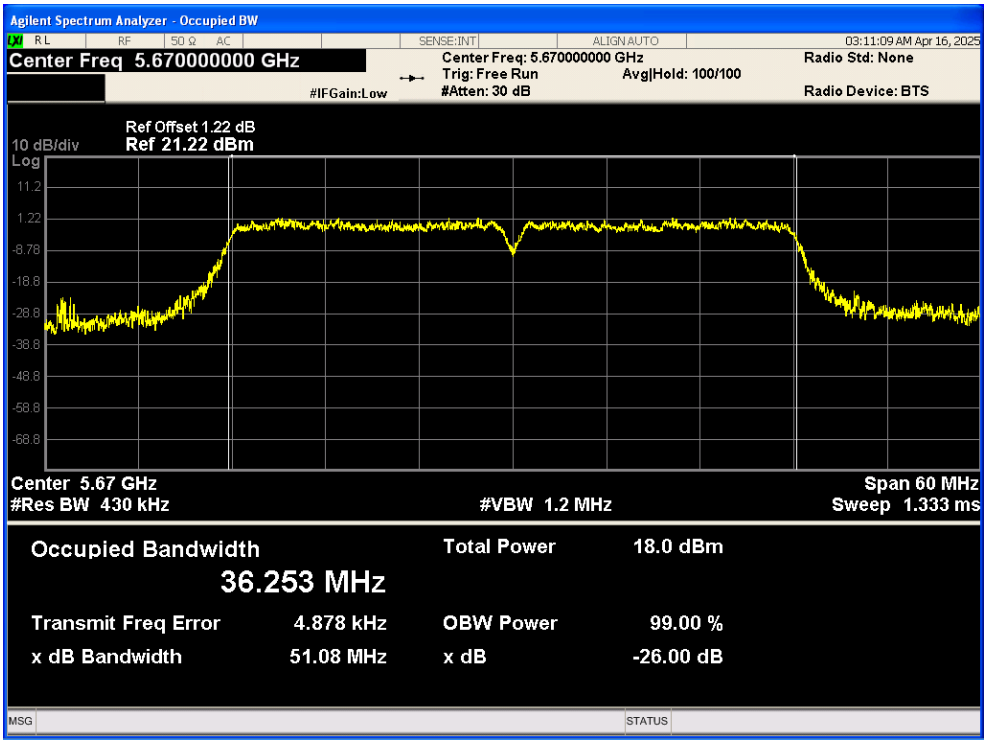
OBW NVNT n40 5510MHz Ant1



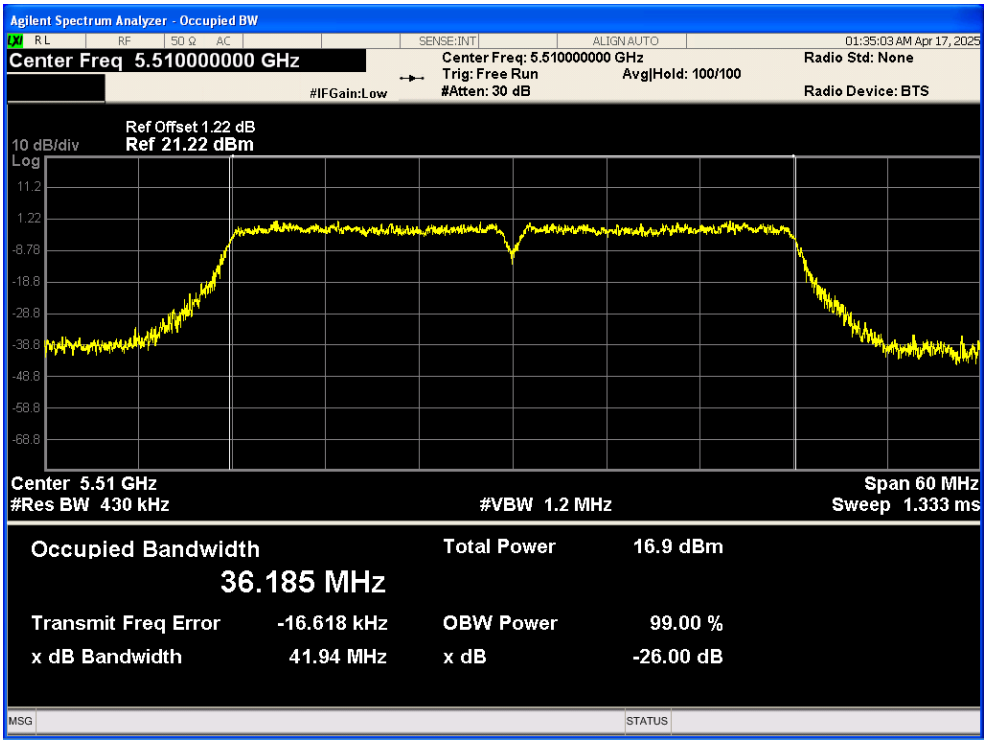
OBW NVNT n40 5590MHz Ant1



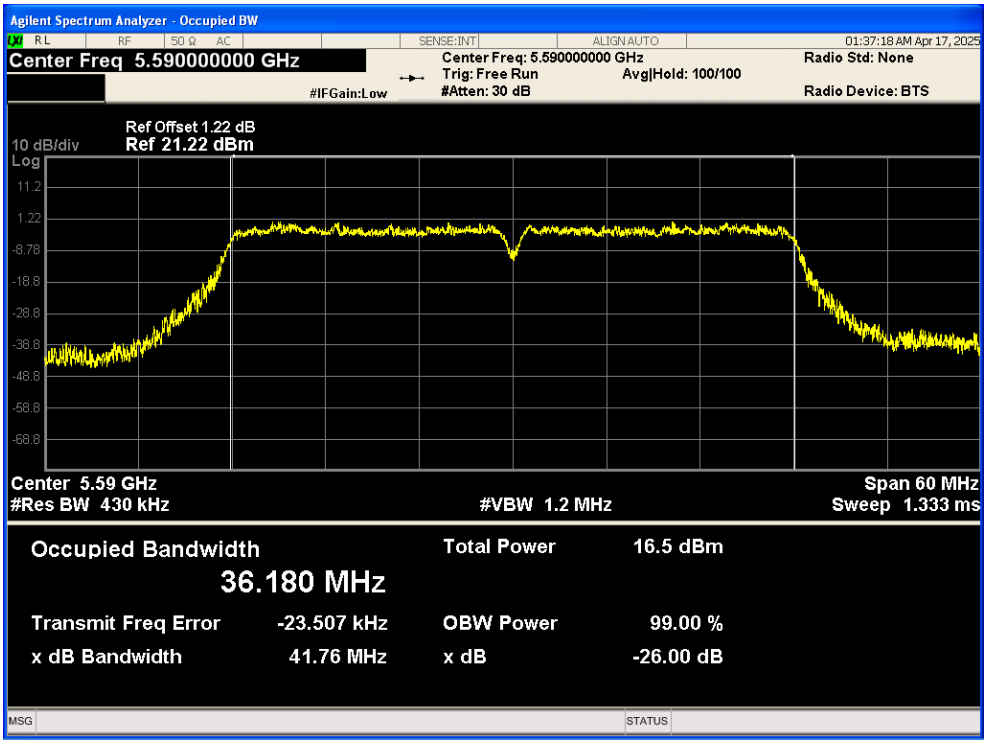
OBW NVNT n40 5670MHz Ant1



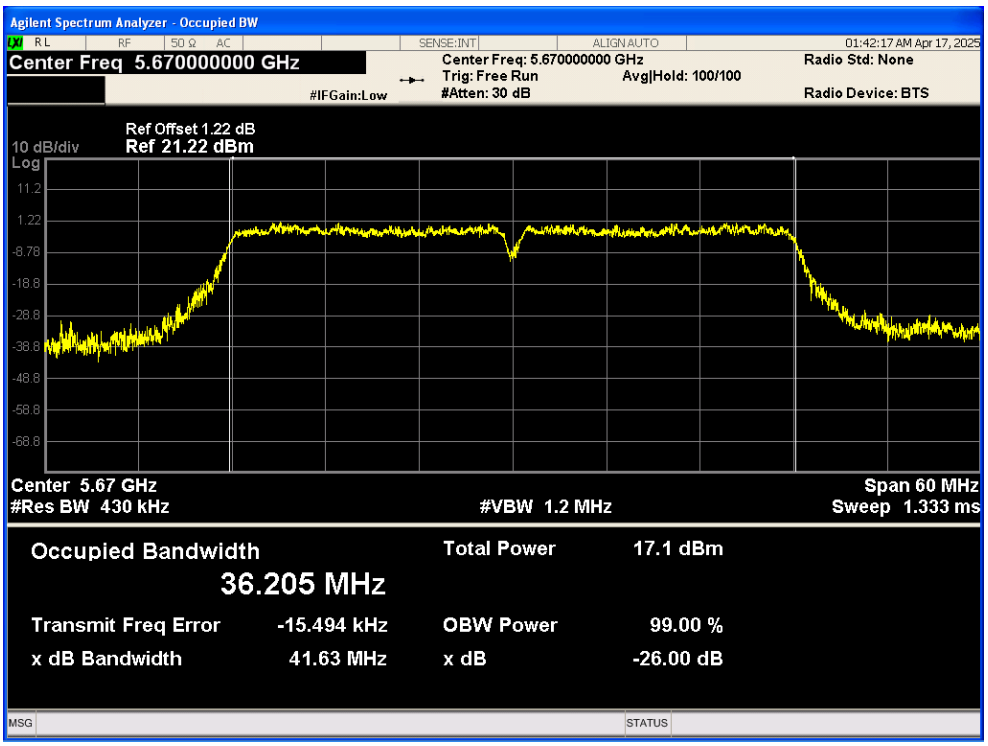
OBW NVNT n40 5510MHz Ant2



OBW NVNT n40 5590MHz Ant2



OBW NVNT n40 5670MHz Ant2

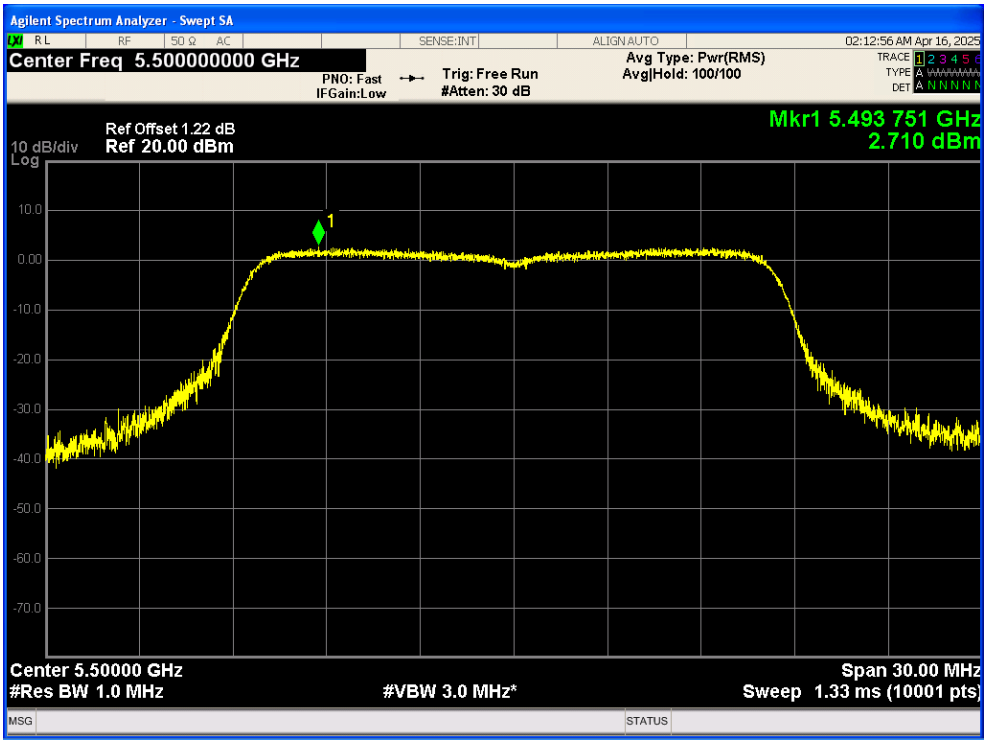


Maximum Power Spectral Density Level

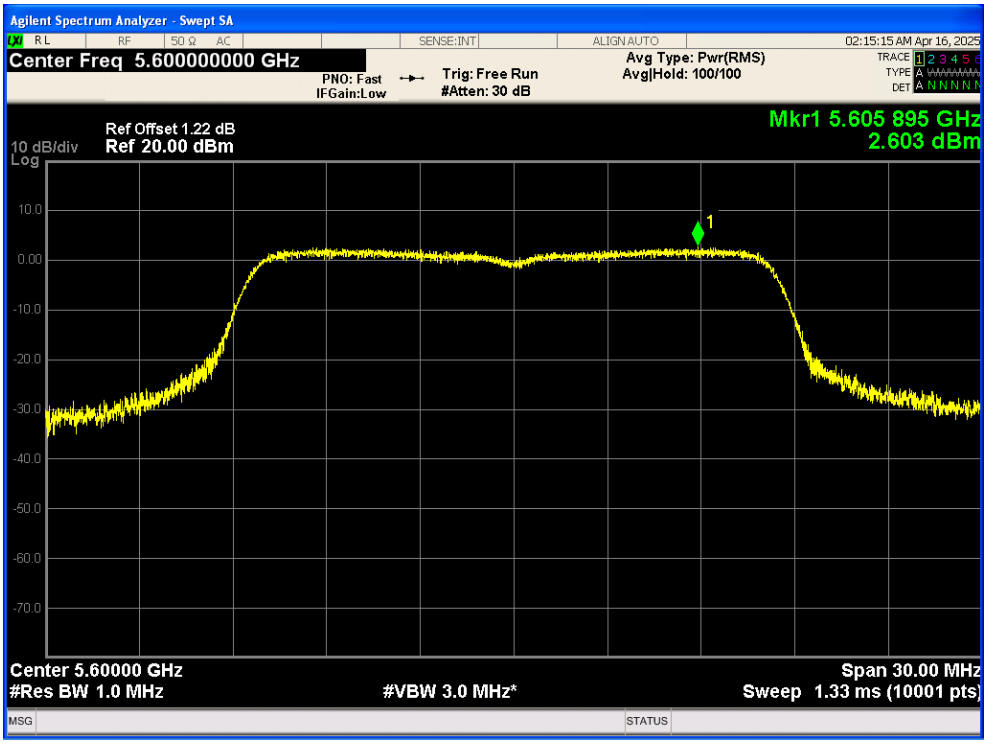
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	2.71	11	Pass
NVNT	a	5600	Ant1	2.603	11	Pass
NVNT	a	5700	Ant1	3.159	11	Pass

NVNT	a	5500	Ant2	3.339	11	Pass
NVNT	a	5600	Ant2	2.673	11	Pass
NVNT	a	5700	Ant2	3.265	11	Pass
NVNT	ac20	5500	Ant1	1.538	11	Pass
NVNT	ac20	5600	Ant1	1.546	11	Pass
NVNT	ac20	5700	Ant1	1.603	11	Pass
NVNT	ac20	5500	Ant2	0.931	11	Pass
NVNT	ac20	5600	Ant2	0.221	11	Pass
NVNT	ac20	5700	Ant2	0.533	11	Pass
NVNT	ac40	5510	Ant1	-1.396	11	Pass
NVNT	ac40	5590	Ant1	-1.703	11	Pass
NVNT	ac40	5670	Ant1	-1.446	11	Pass
NVNT	ac40	5510	Ant2	-1.693	11	Pass
NVNT	ac40	5590	Ant2	-2.56	11	Pass
NVNT	ac40	5670	Ant2	-1.651	11	Pass
NVNT	ac80	5530	Ant1	-3.705	11	Pass
NVNT	ac80	5610	Ant1	-3.742	11	Pass
NVNT	ac80	5530	Ant2	-4.497	11	Pass
NVNT	ac80	5610	Ant2	-3.744	11	Pass
NVNT	n20	5500	Ant1	1.603	11	Pass
NVNT	n20	5600	Ant1	1.676	11	Pass
NVNT	n20	5700	Ant1	1.761	10	Pass
NVNT	n20	5500	Ant2	1.39	11	Pass
NVNT	n20	5600	Ant2	0.675	11	Pass
NVNT	n20	5700	Ant2	1.251	10	Pass
NVNT	n40	5510	Ant1	-1.489	11	Pass
NVNT	n40	5590	Ant1	-1.495	11	Pass
NVNT	n40	5670	Ant1	-1.247	11	Pass
NVNT	n40	5510	Ant2	-2.611	11	Pass
NVNT	n40	5590	Ant2	-2.688	11	Pass
NVNT	n40	5670	Ant2	-2.275	11	Pass

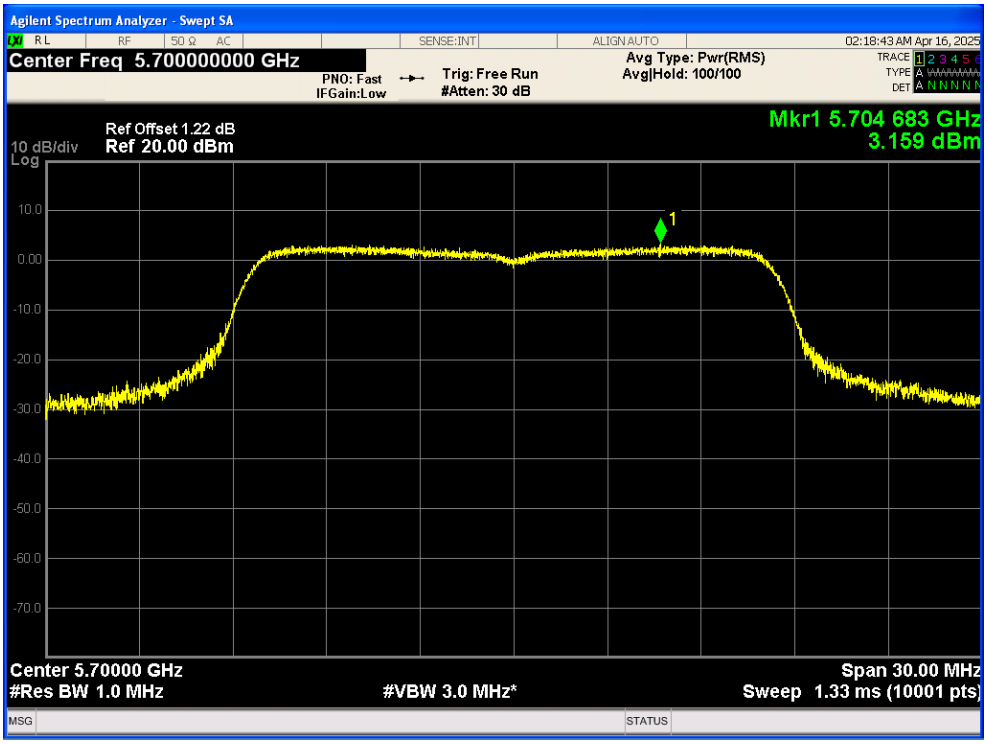
PSD NVNT a 5500MHz Ant1



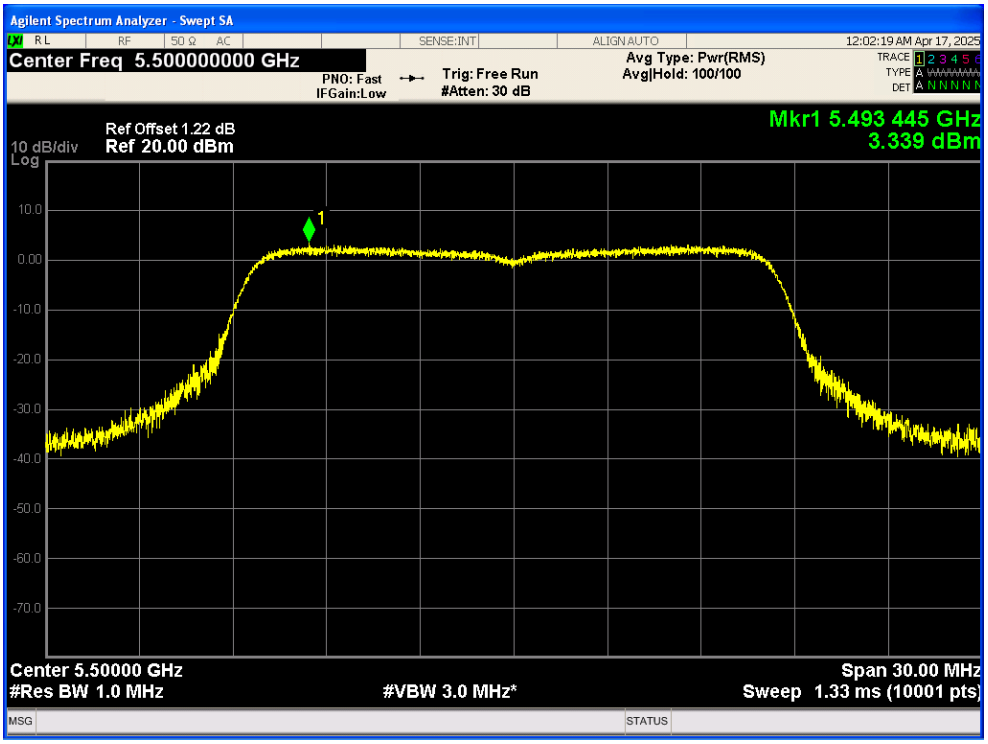
PSD NVNT a 5600MHz Ant1



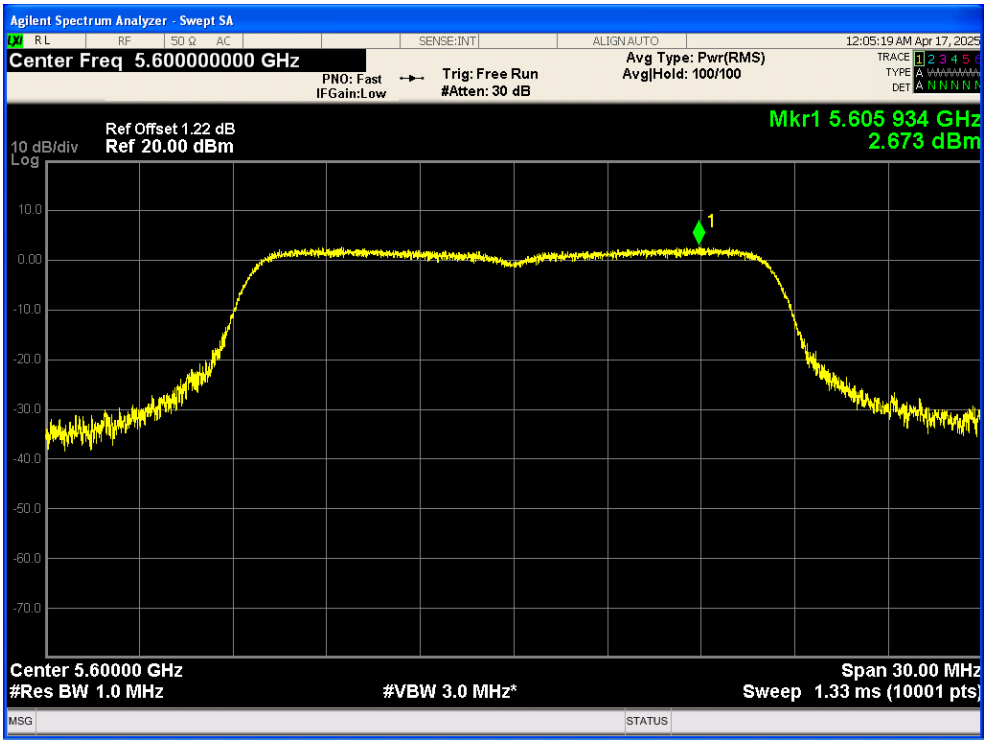
PSD NVNT a 5700MHz Ant1



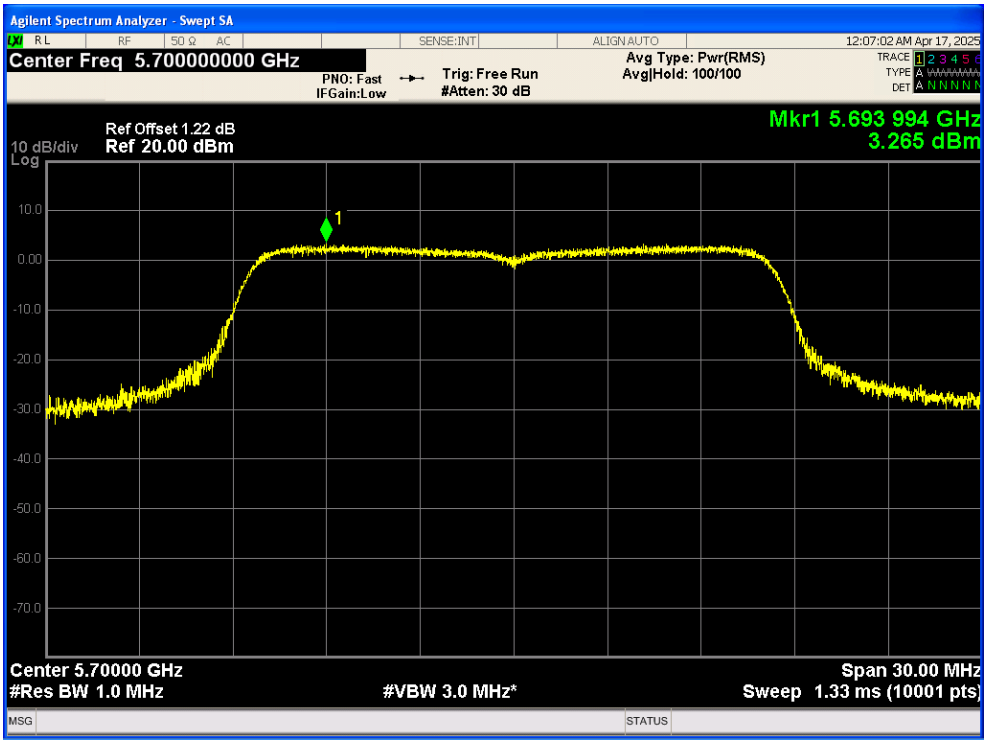
PSD NVNT a 5500MHz Ant2



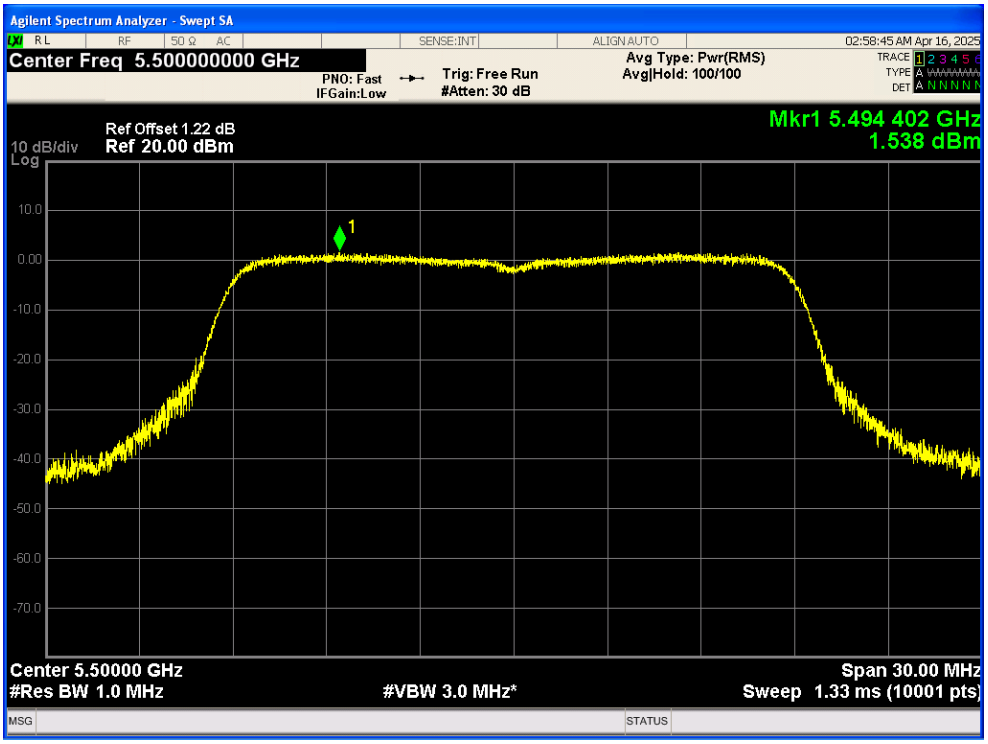
PSD NVNT a 5600MHz Ant2



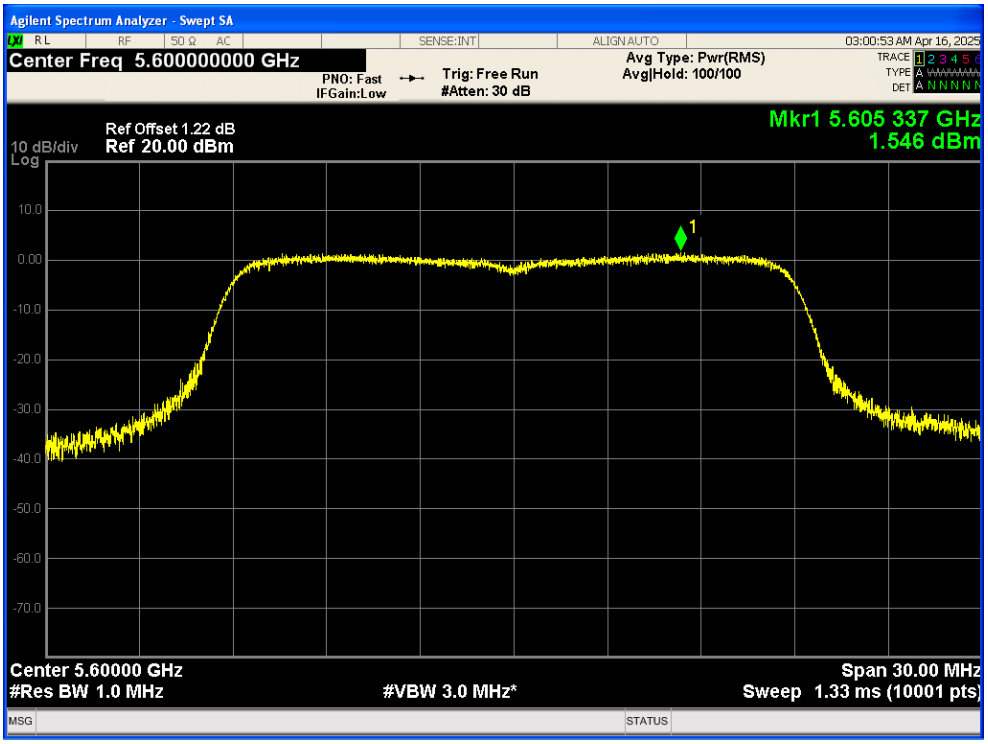
PSD NVNT a 5700MHz Ant2



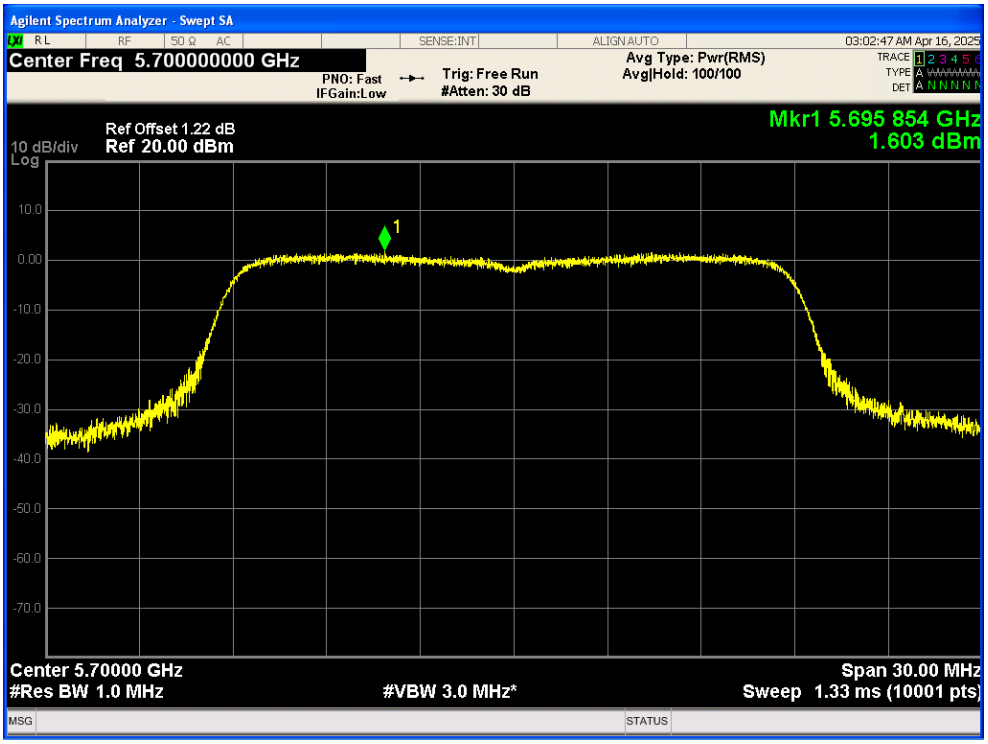
PSD NVNT ac20 5500MHz Ant1



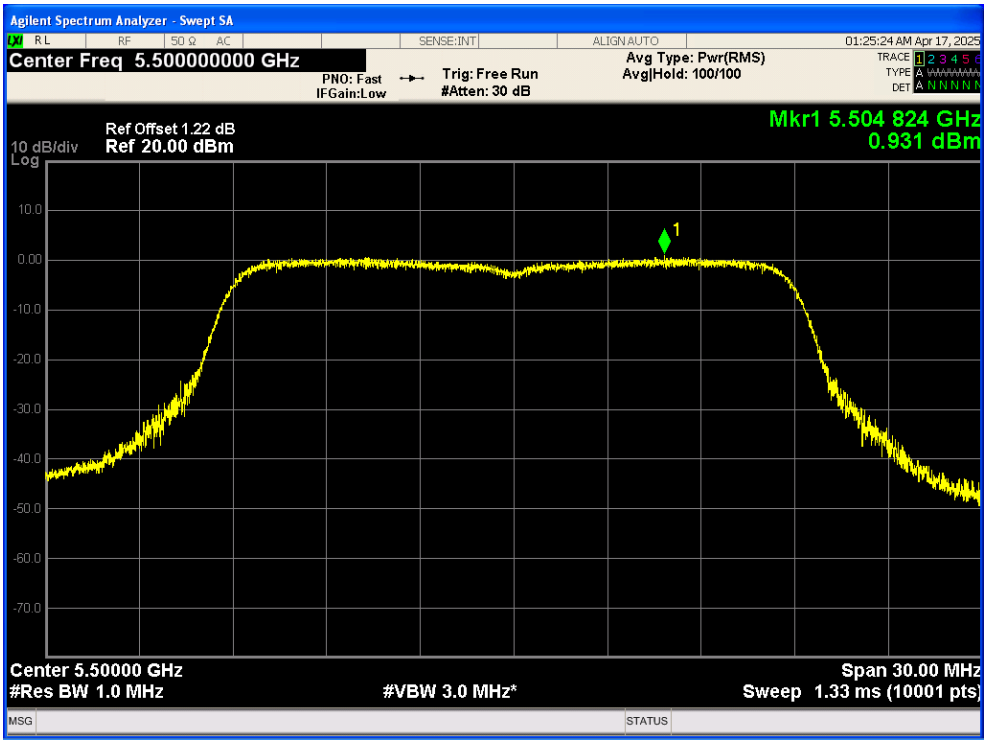
PSD NVNT ac20 5600MHz Ant1



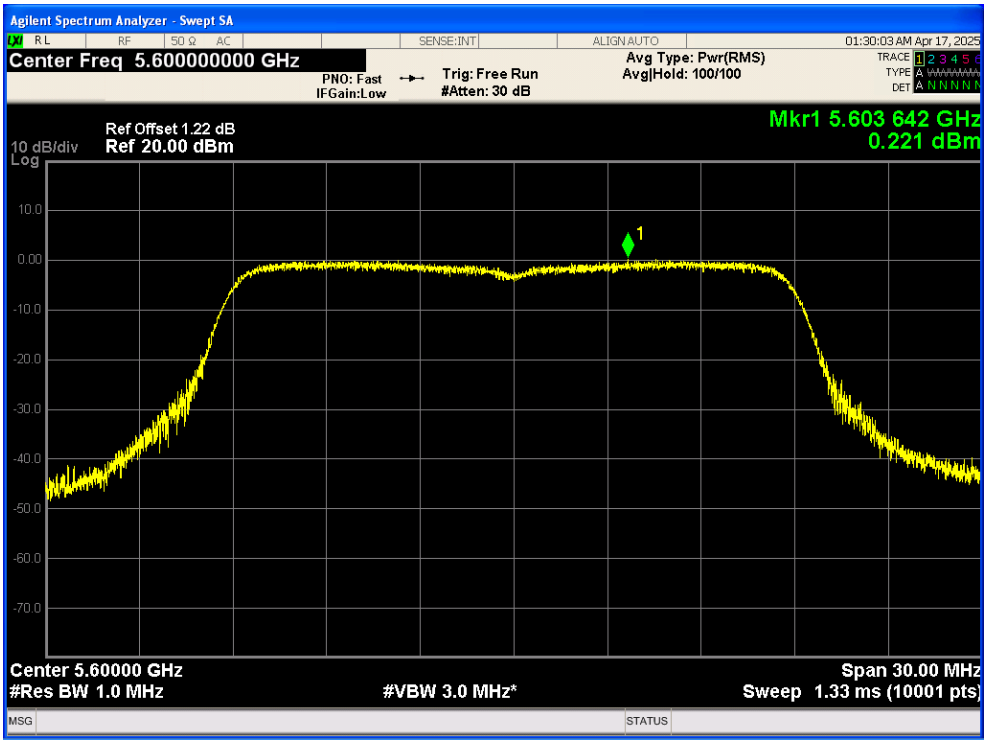
PSD NVNT ac20 5700MHz Ant1



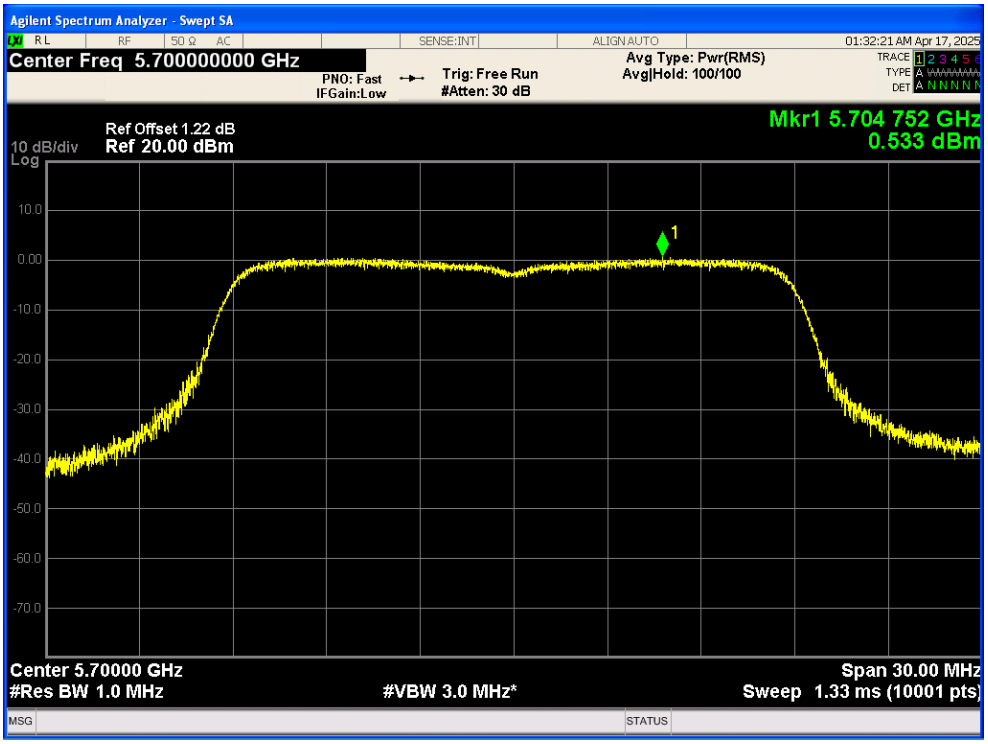
PSD NVNT ac20 5500MHz Ant2



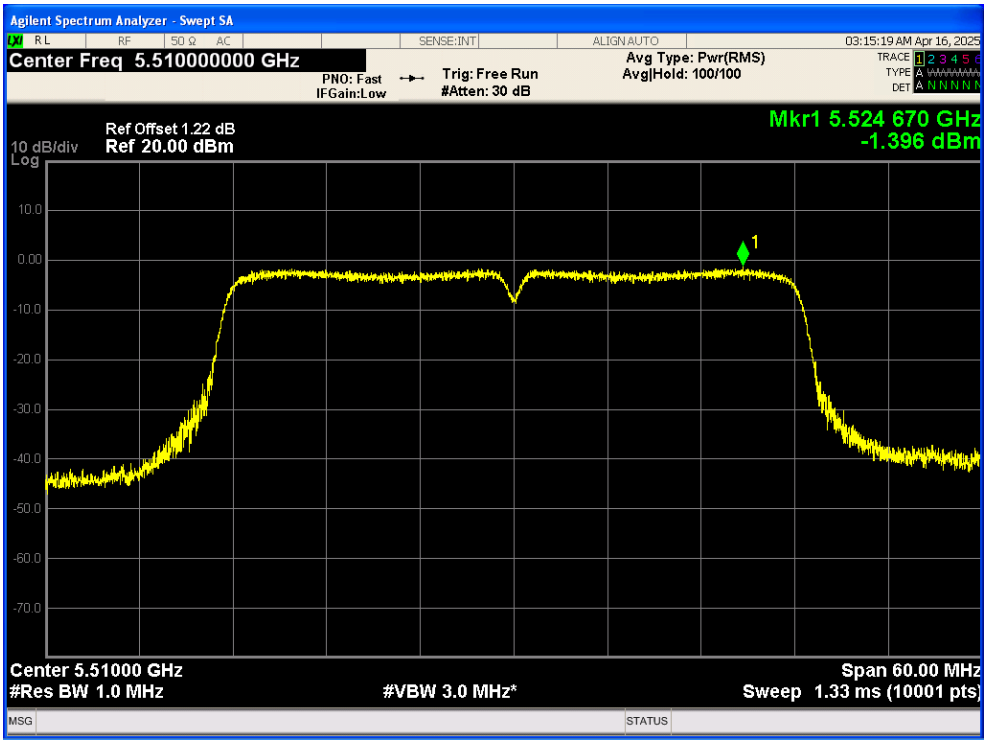
PSD NVNT ac20 5600MHz Ant2



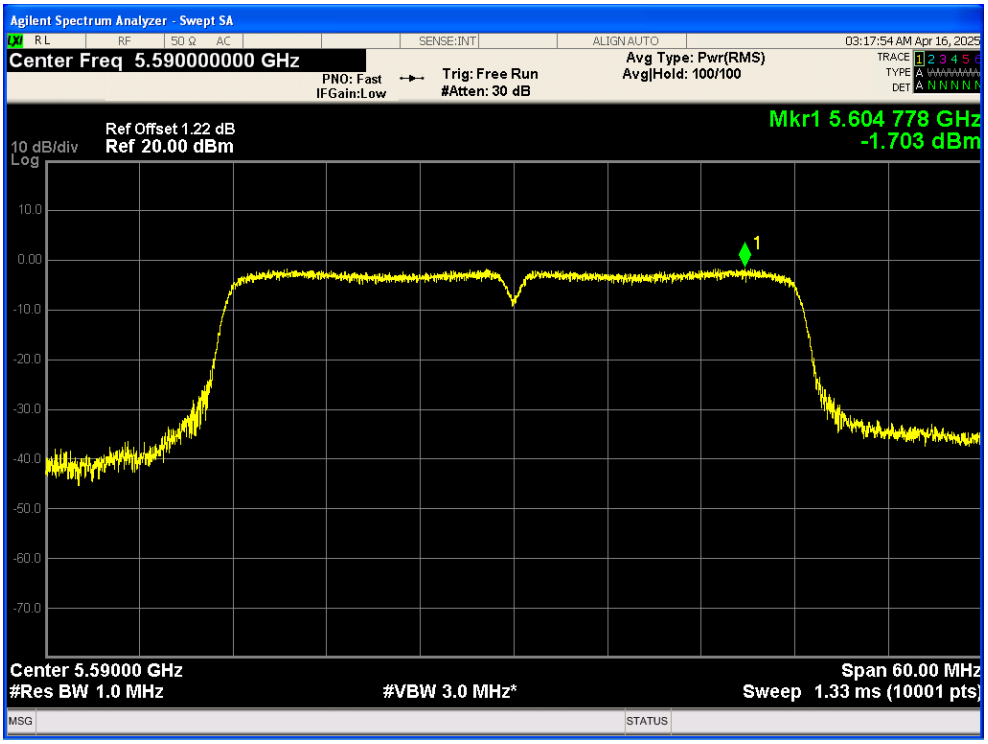
PSD NVNT ac20 5700MHz Ant2



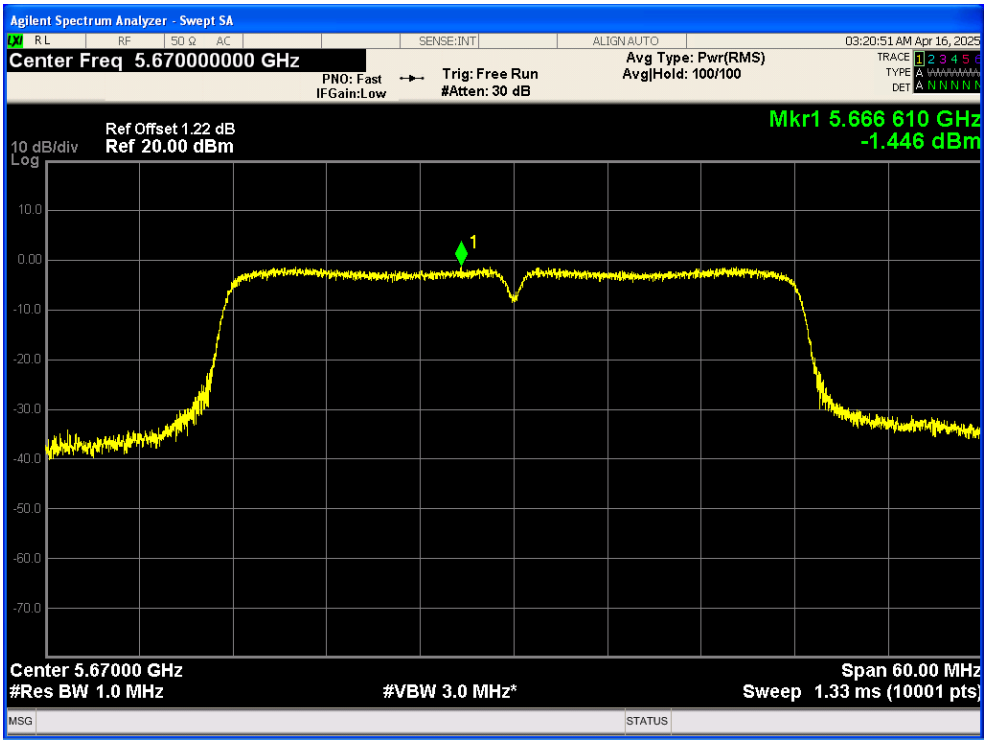
PSD NVNT ac40 5510MHz Ant1



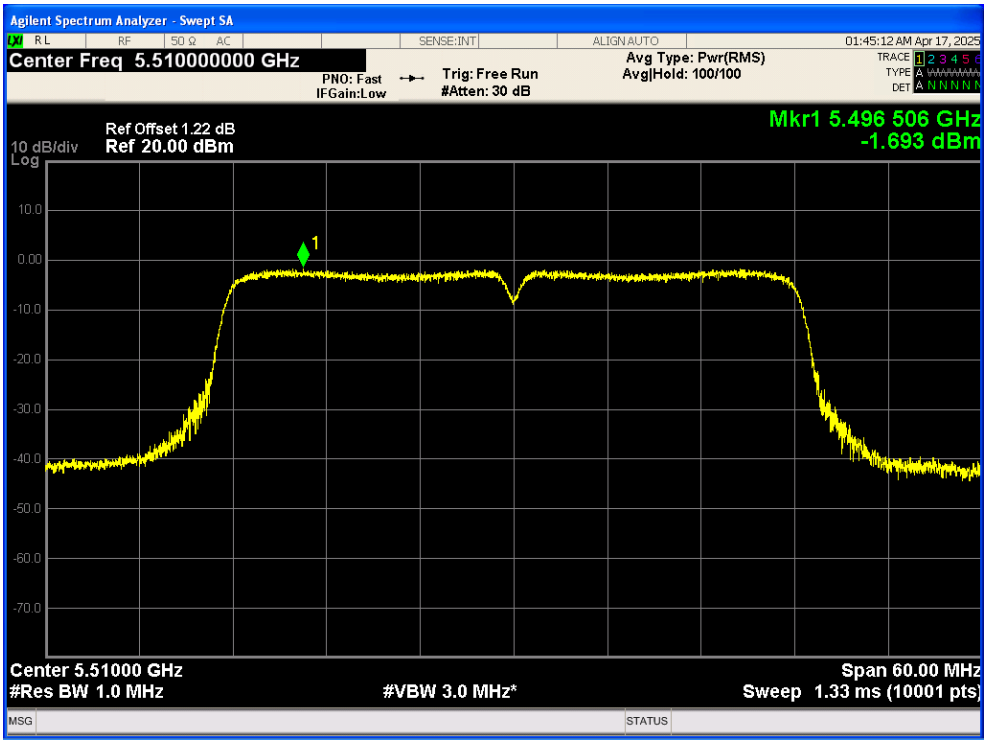
PSD NVNT ac40 5590MHz Ant1



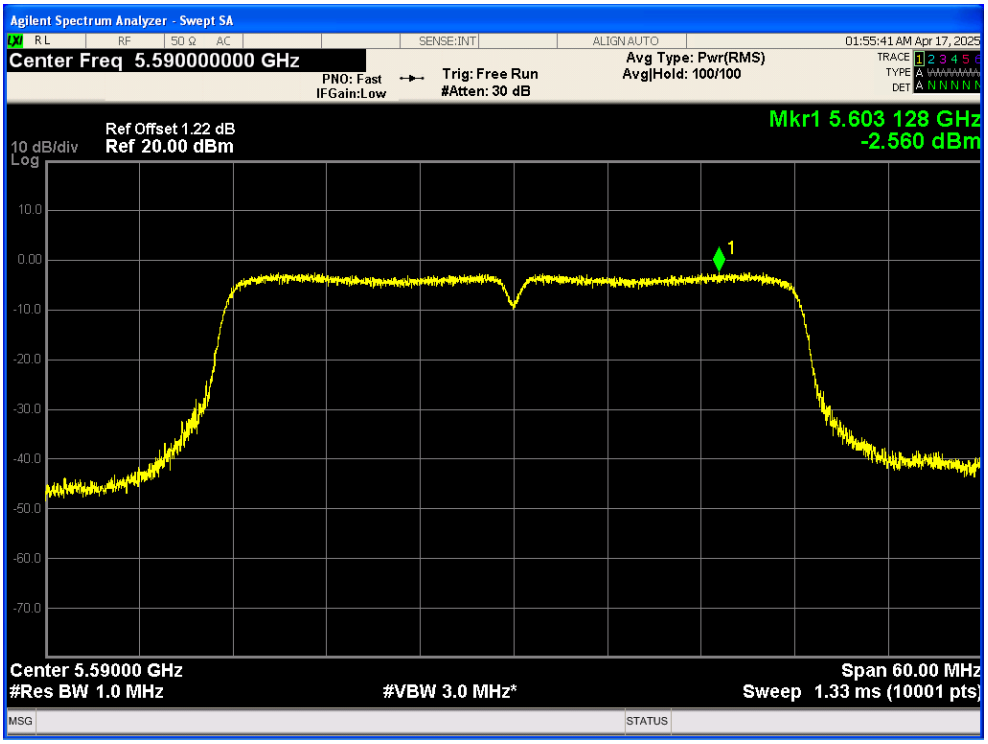
PSD NVNT ac40 5670MHz Ant1



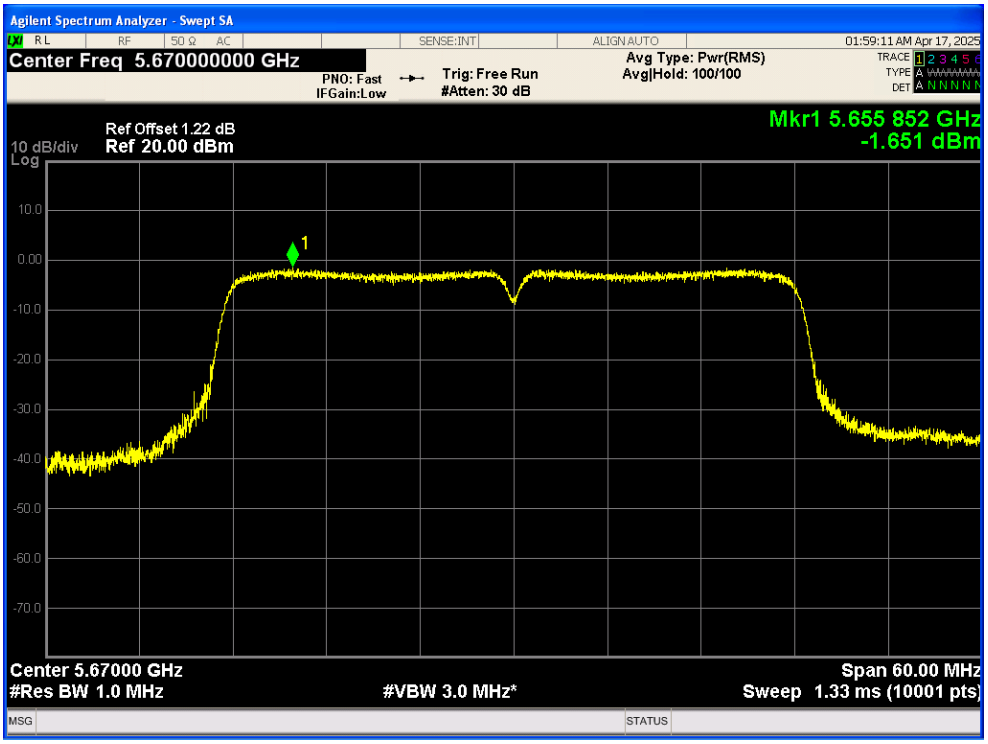
PSD NVNT ac40 5510MHz Ant2



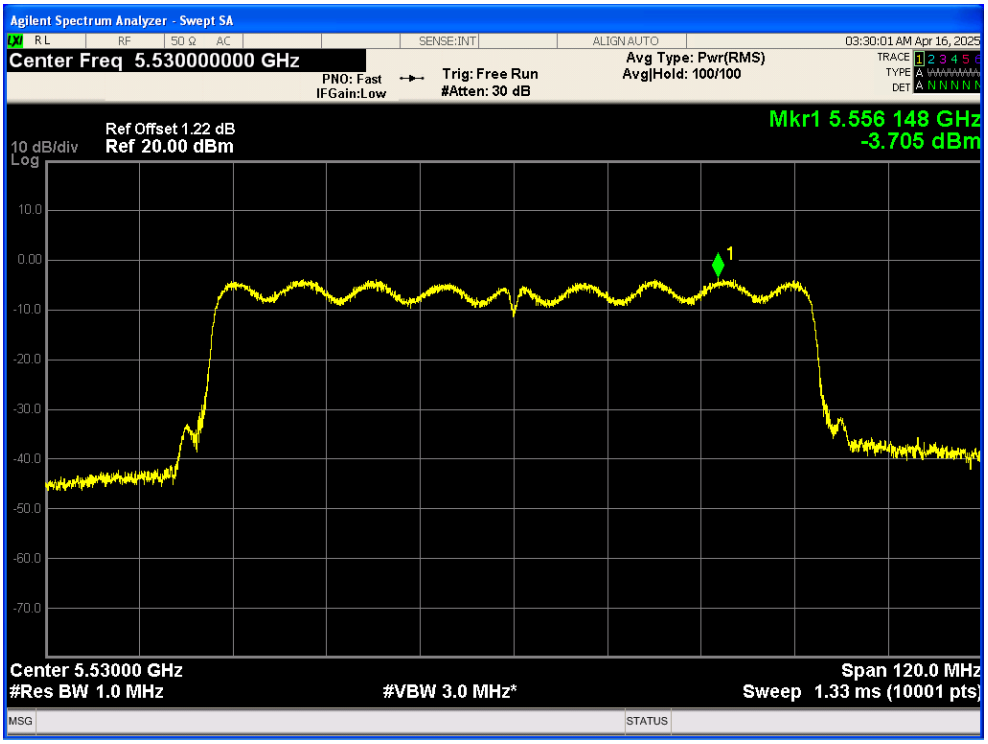
PSD NVNT ac40 5590MHz Ant2



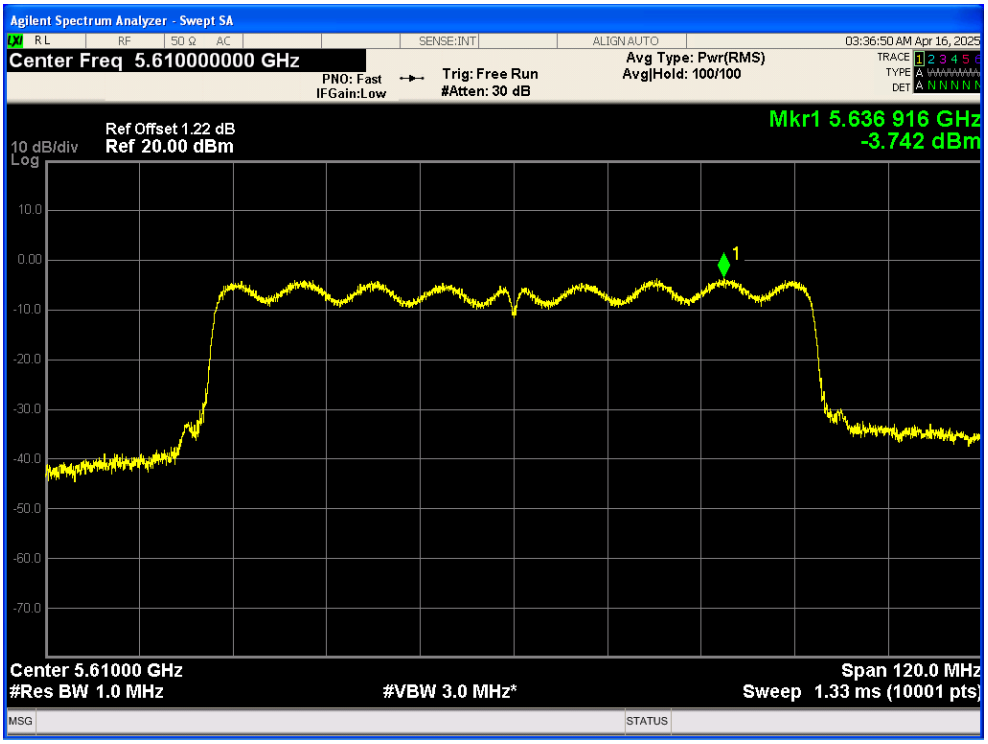
PSD NVNT ac40 5670MHz Ant2



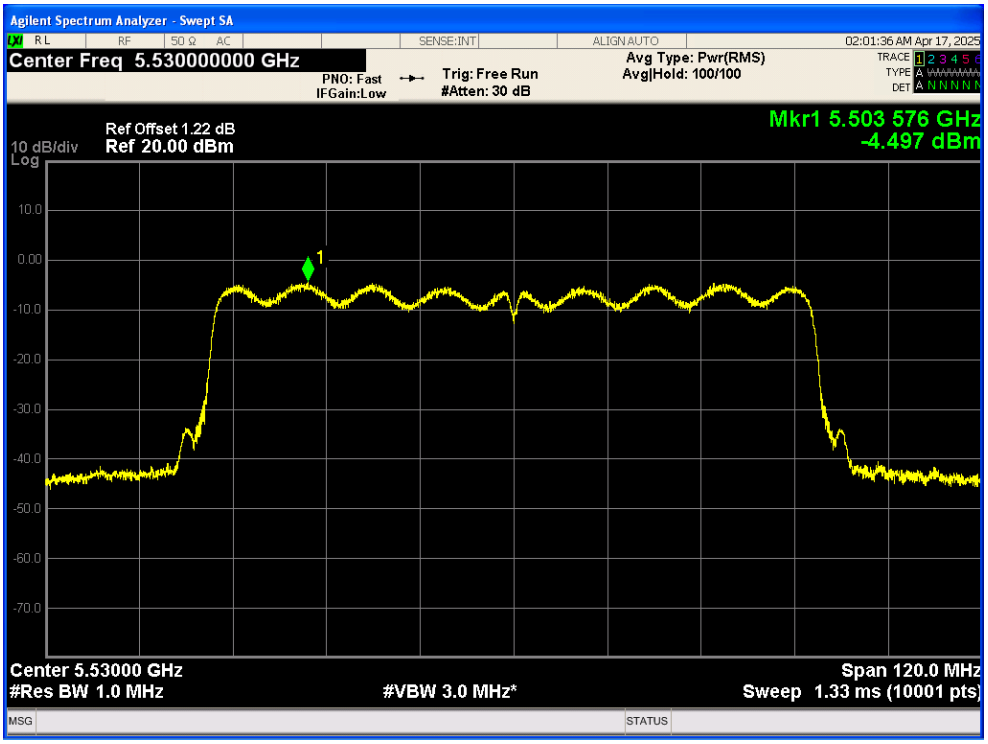
PSD NVNT ac80 5530MHz Ant1



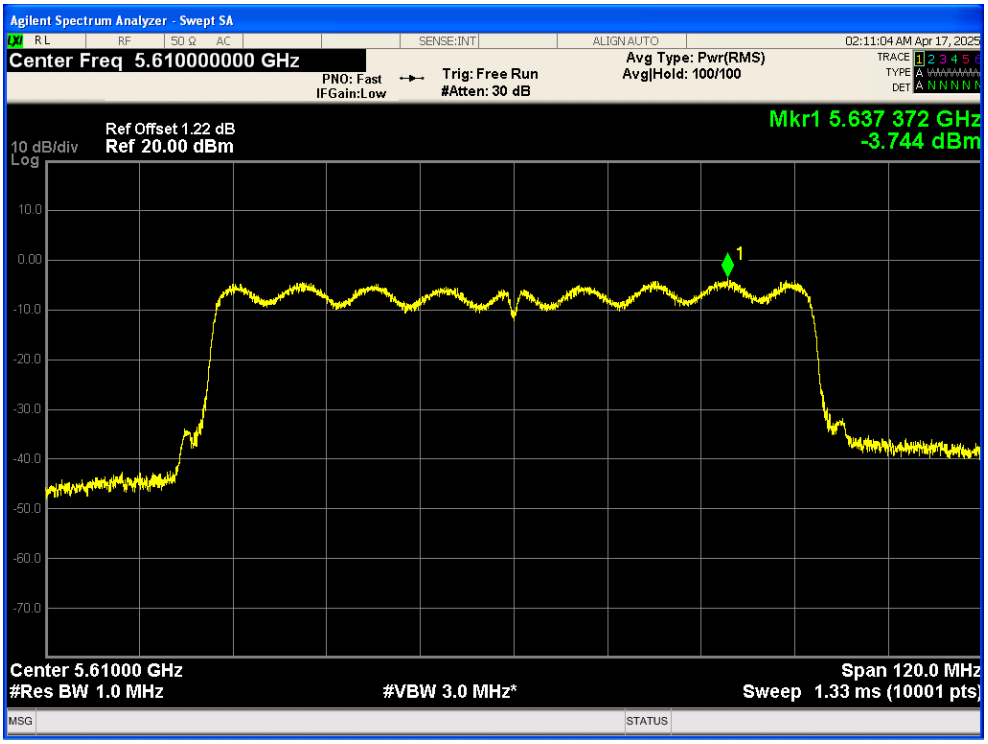
PSD NVNT ac80 5610MHz Ant1



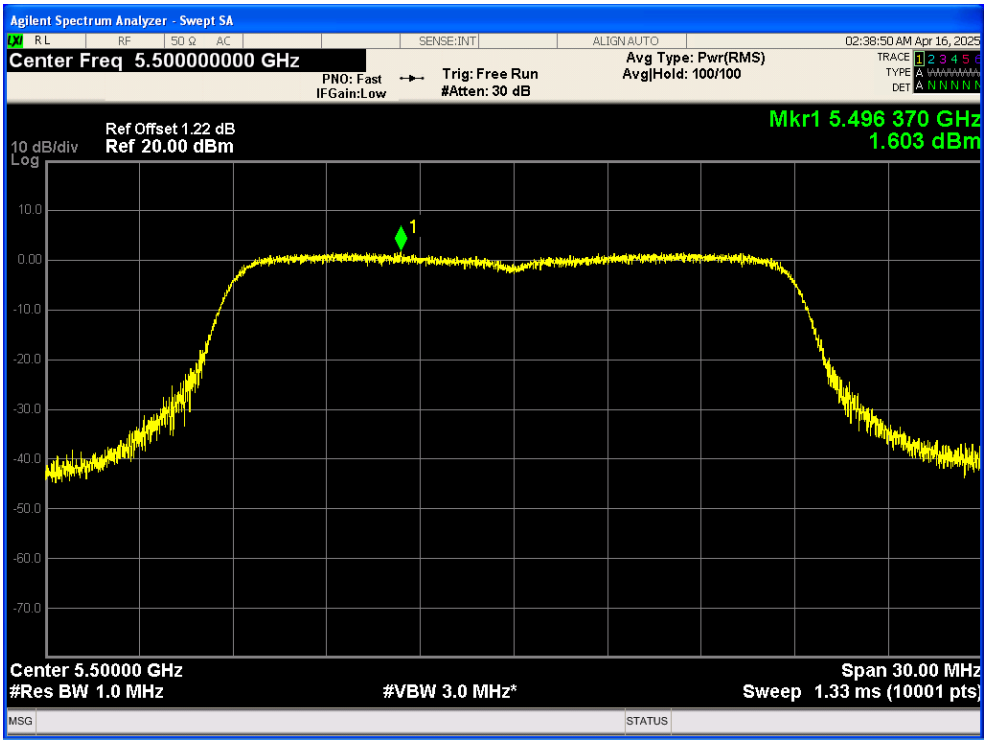
PSD NVNT ac80 5530MHz Ant2



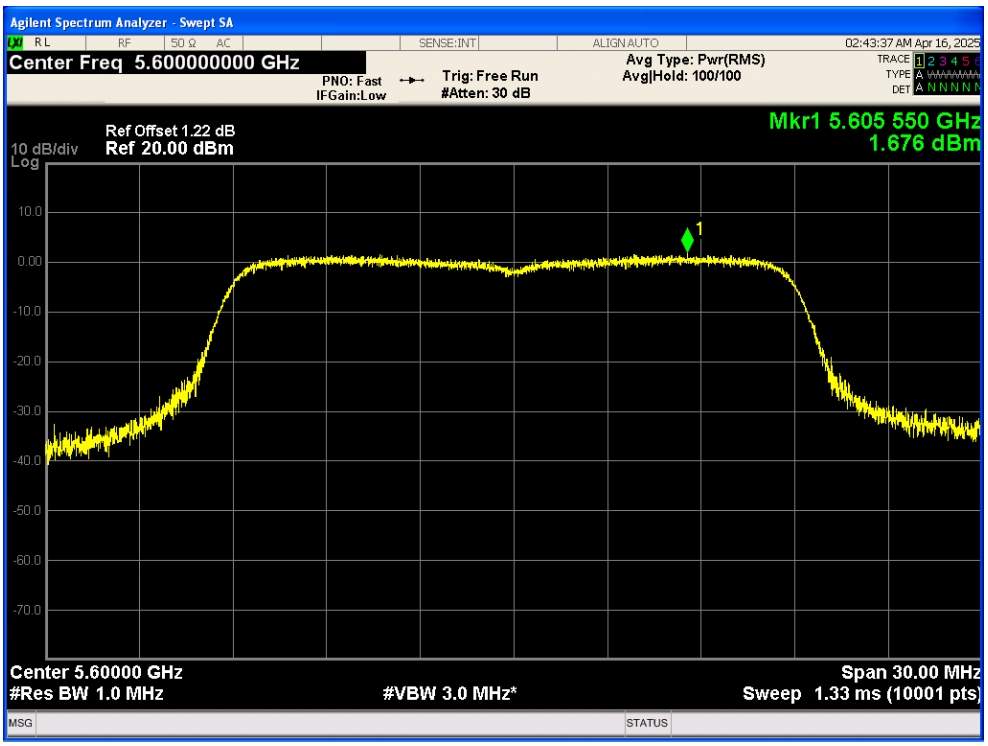
PSD NVNT ac80 5610MHz Ant2



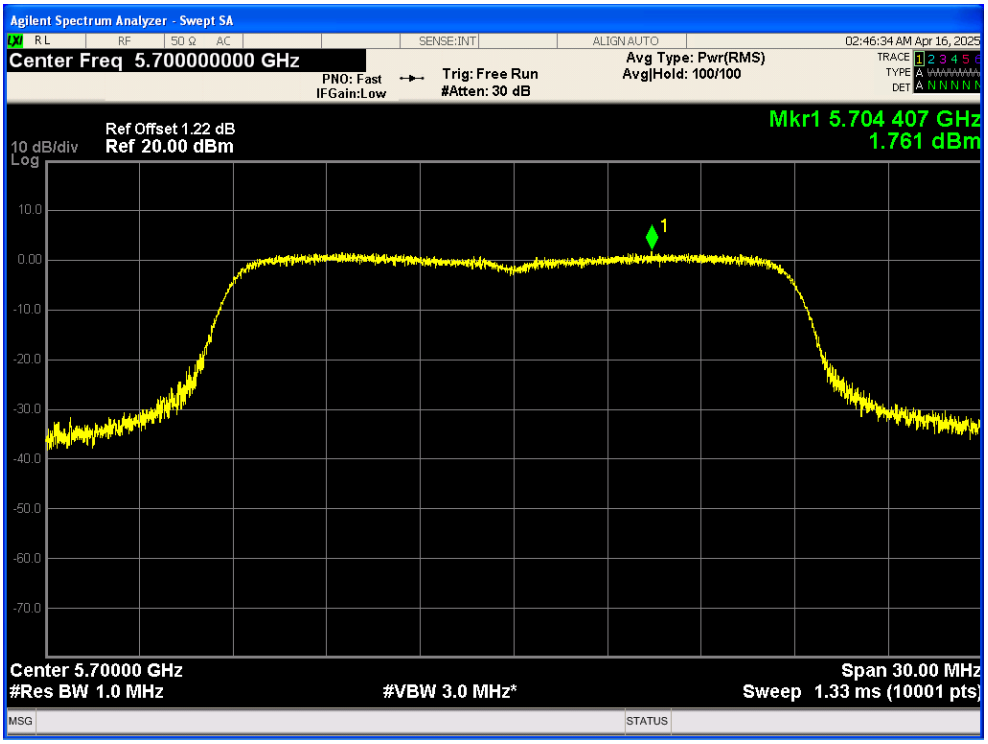
PSD NVNT n20 5500MHz Ant1



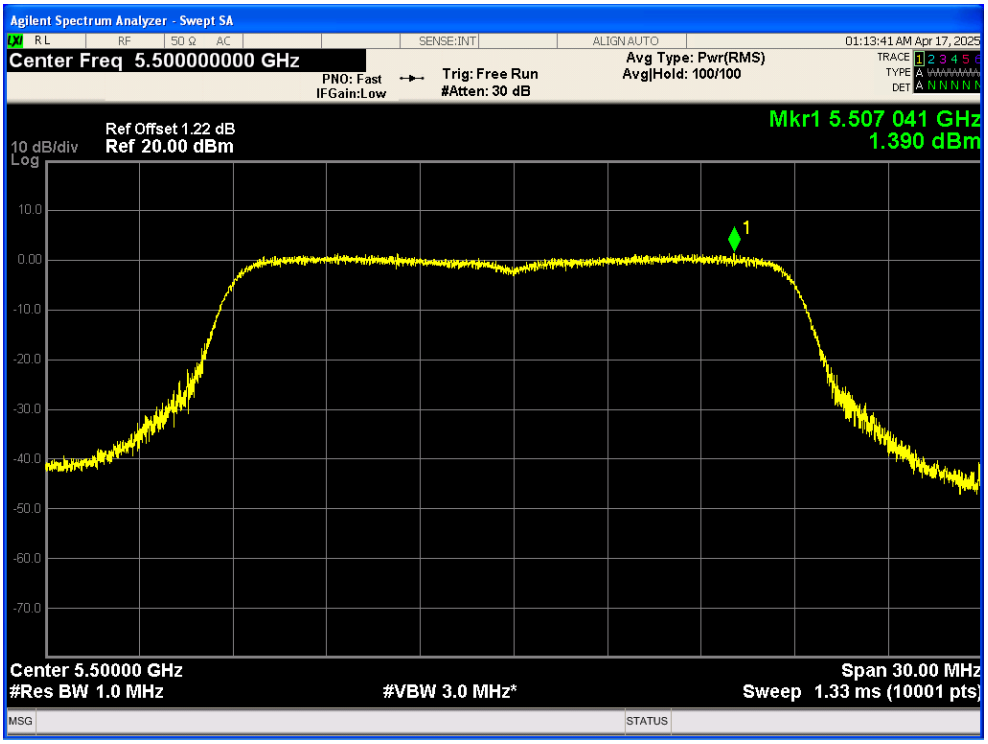
PSD NVNT n20 5600MHz Ant1



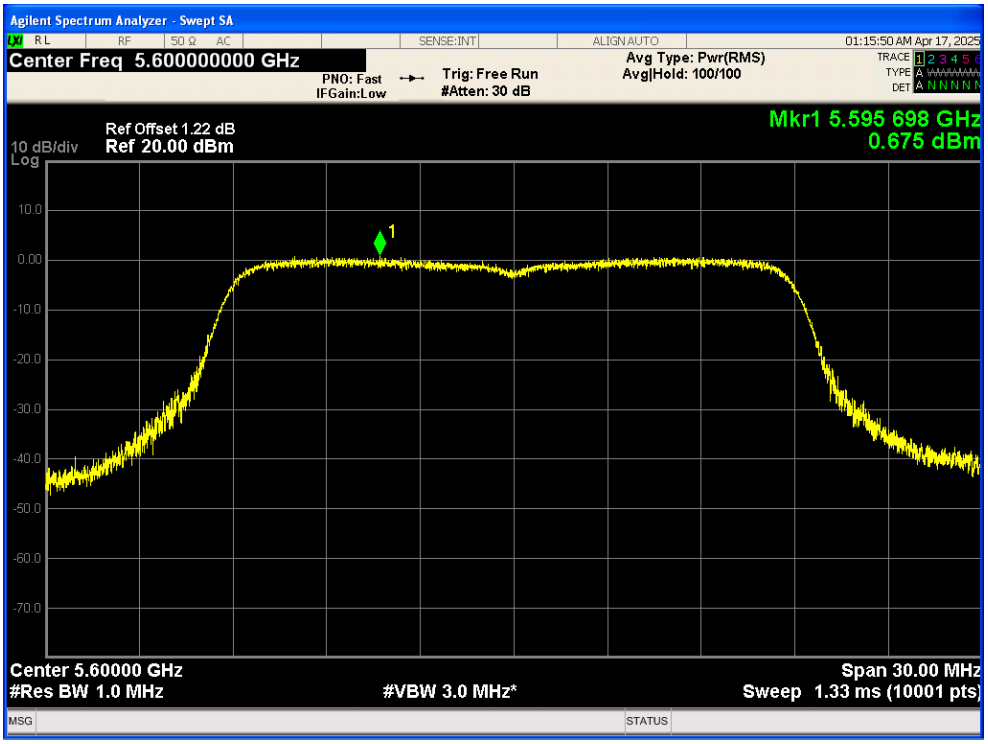
PSD NVNT n20 5700MHz Ant1



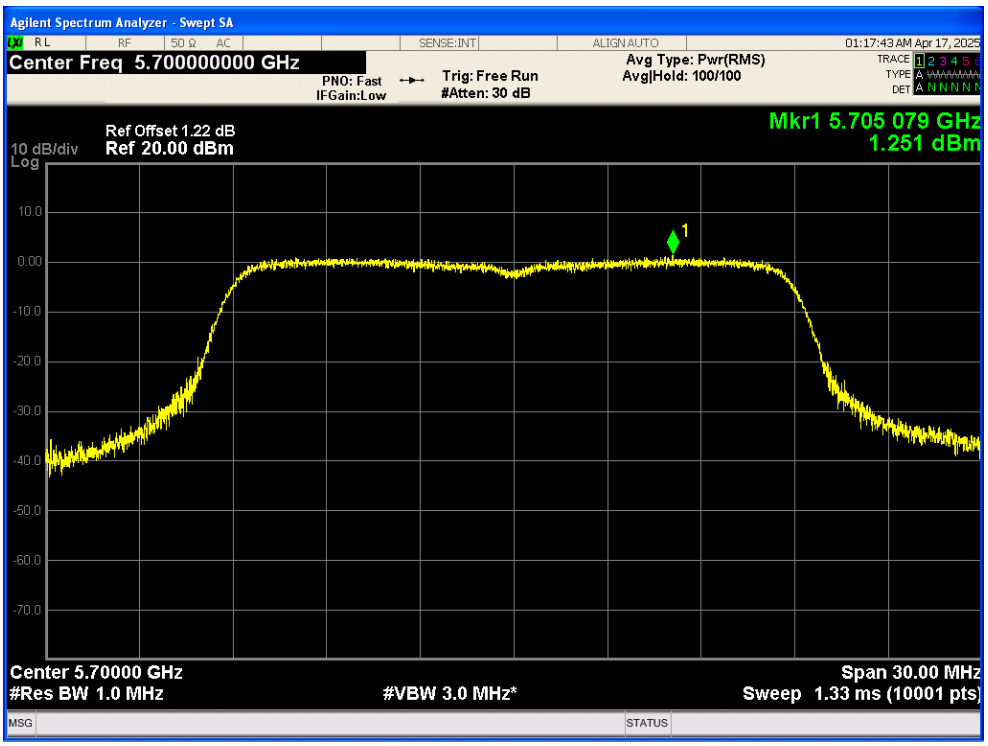
PSD NVNT n20 5500MHz Ant2



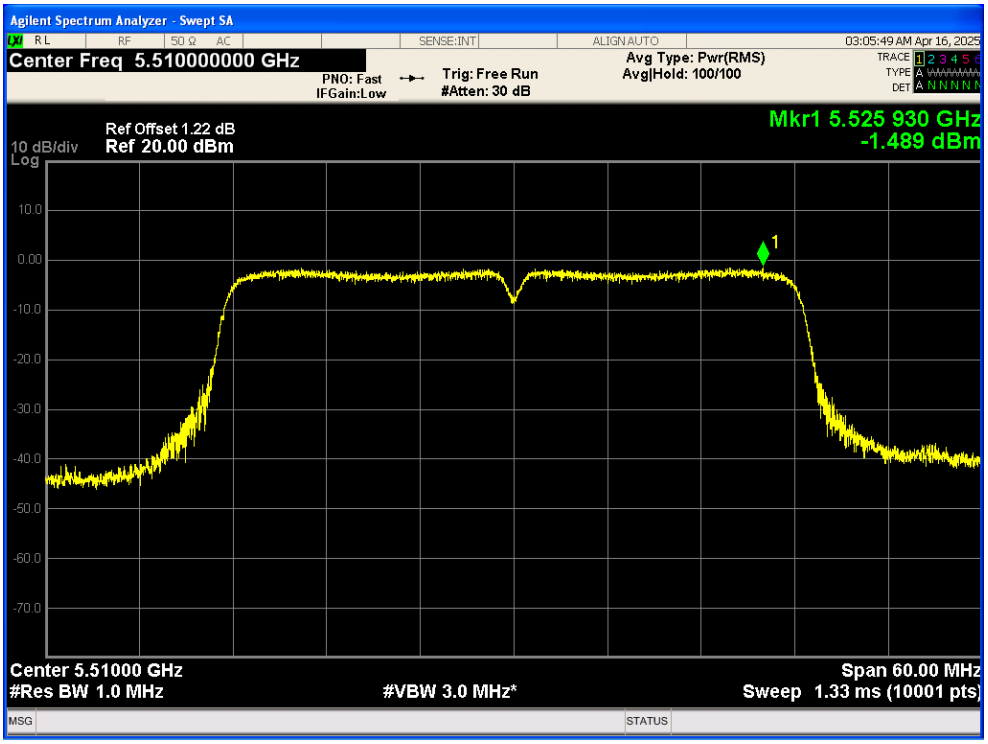
PSD NVNT n20 5600MHz Ant2



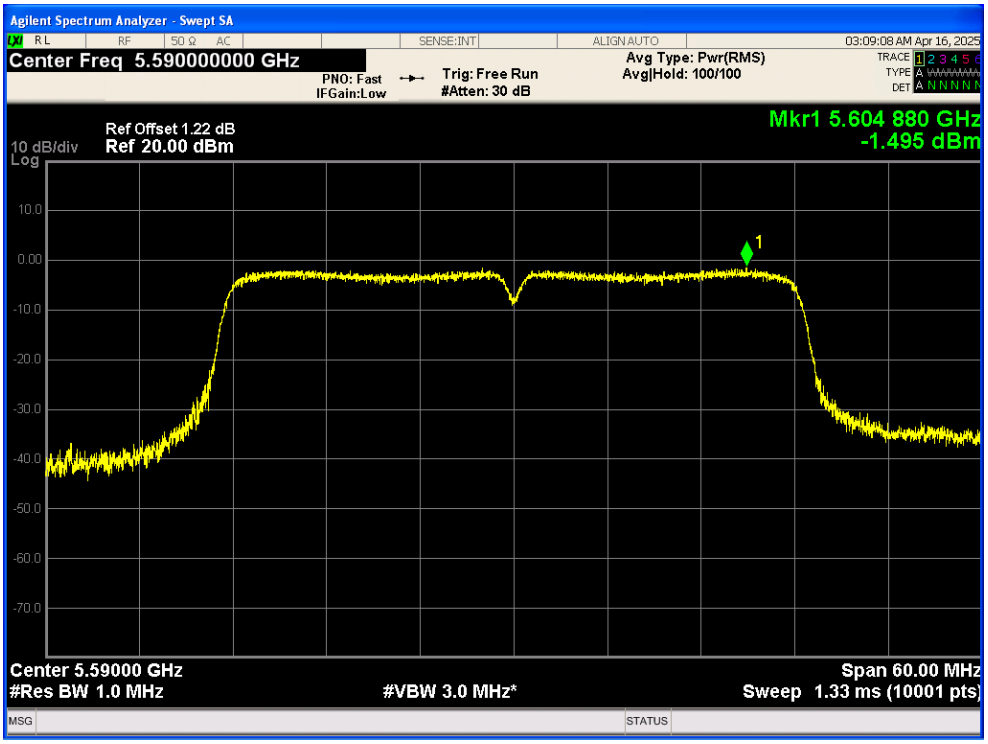
PSD NVNT n20 5700MHz Ant2



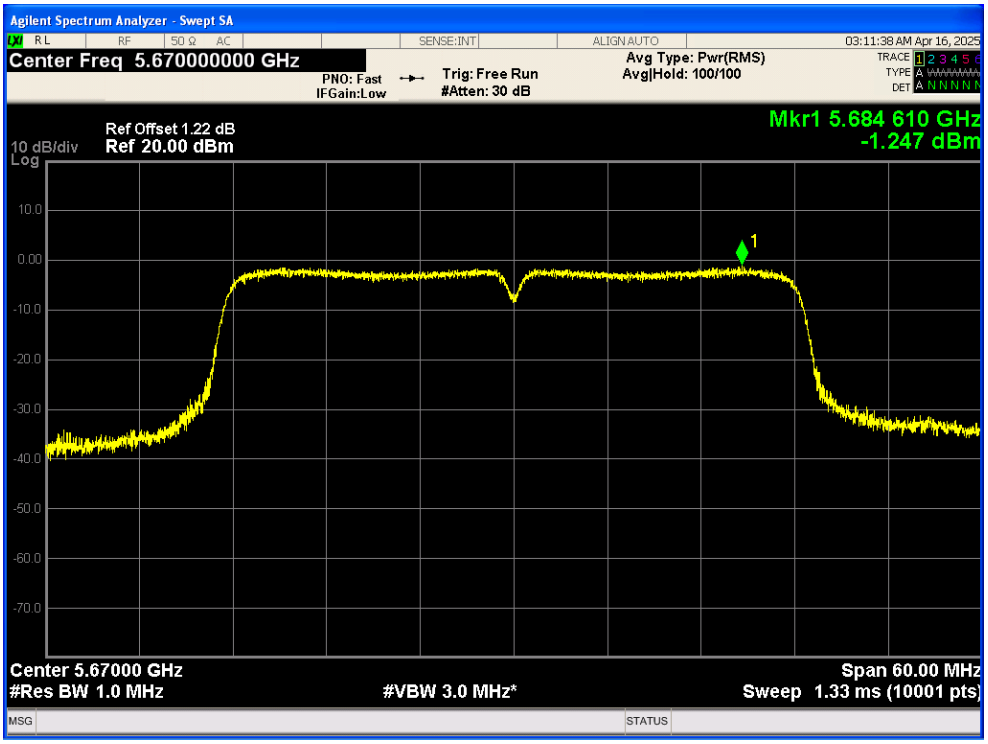
PSD NVNT n40 5510MHz Ant1



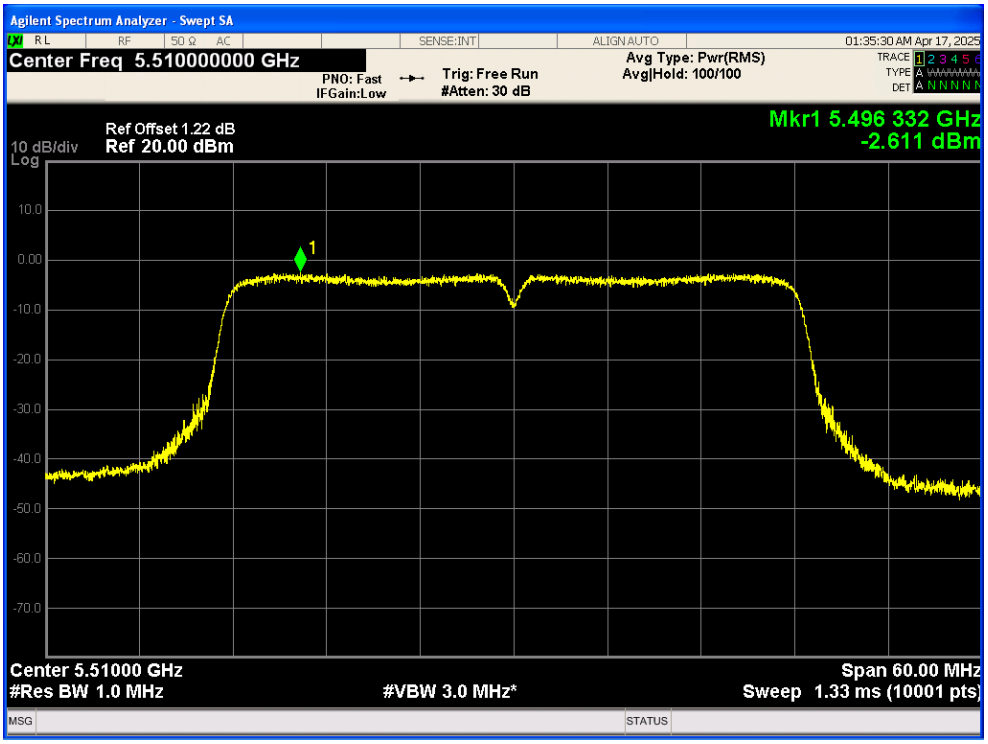
PSD NVNT n40 5590MHz Ant1



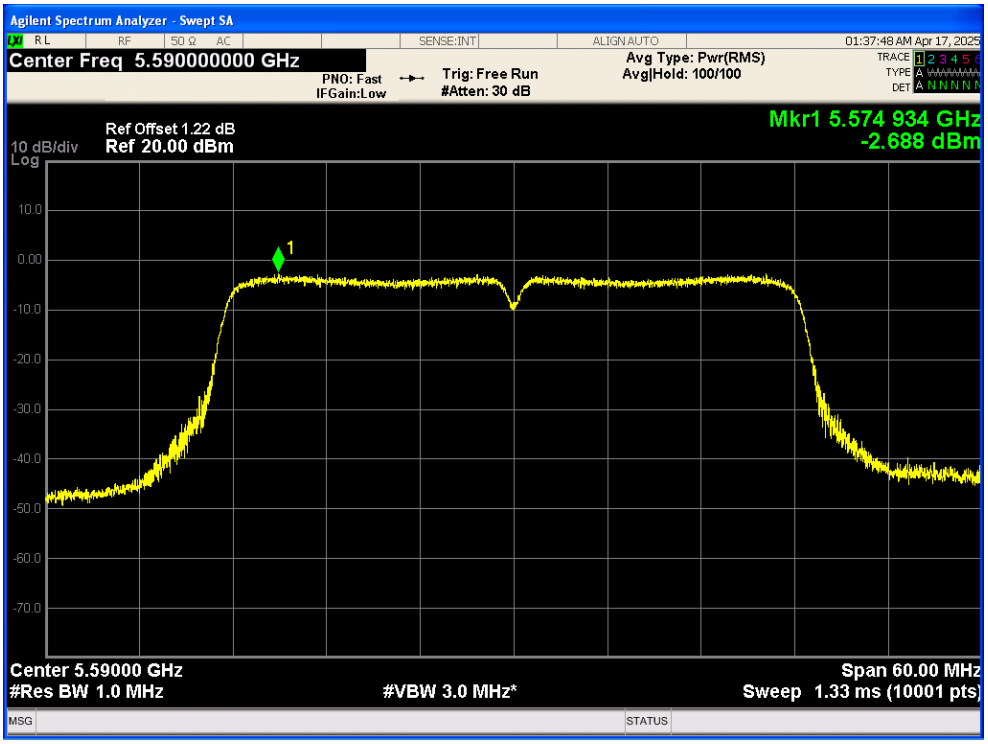
PSD NVNT n40 5670MHz Ant1



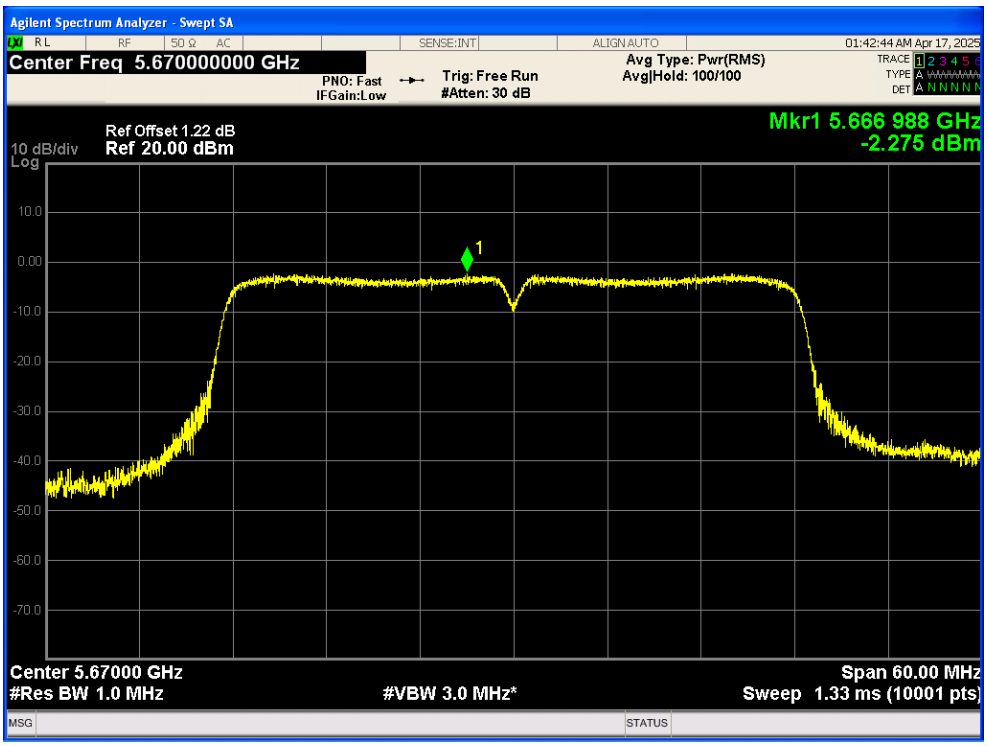
PSD NVNT n40 5510MHz Ant2



PSD NVNT n40 5590MHz Ant2



PSD NVNT n40 5670MHz Ant2

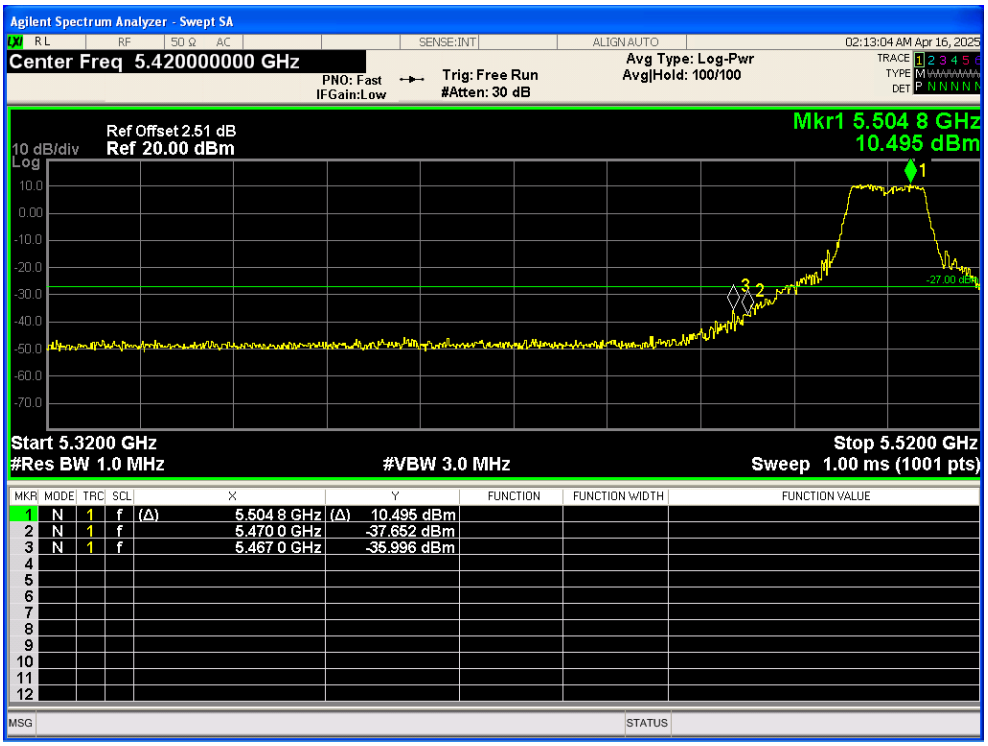


Band Edge

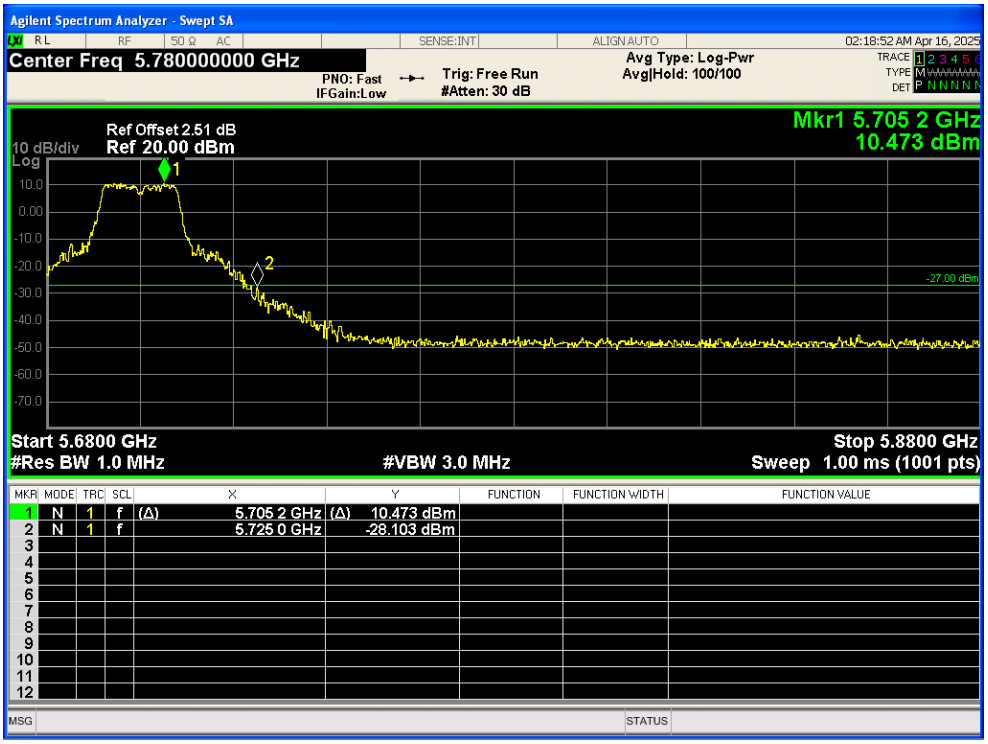
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5500	Ant1	-35.99	-27	Pass
NVNT	a	5700	Ant1	-28.1	-27	Pass
NVNT	a	5500	Ant2	-33.91	-27	Pass

NVNT	a	5700	Ant2	-27.26	-27	Pass
NVNT	ac20	5500	Ant1	-35.19	-27	Pass
NVNT	ac20	5700	Ant1	-33.03	-27	Pass
NVNT	ac20	5500	Ant2	-37.26	-27	Pass
NVNT	ac20	5700	Ant2	-32.56	-27	Pass
NVNT	ac40	5510	Ant1	-30.78	-27	Pass
NVNT	ac40	5670	Ant1	-38.22	-27	Pass
NVNT	ac40	5510	Ant2	-29.19	-27	Pass
NVNT	ac40	5670	Ant2	-35.4	-27	Pass
NVNT	ac80	5530	Ant1	-30.76	-27	Pass
NVNT	ac80	5610	Ant1	-38.88	-27	Pass
NVNT	ac80	5530	Ant2	-29.34	-27	Pass
NVNT	ac80	5610	Ant2	-35.57	-27	Pass
NVNT	n20	5500	Ant1	-32.82	-27	Pass
NVNT	n20	5700	Ant1	-31.6	-27	Pass
NVNT	n20	5500	Ant2	-32.86	-27	Pass
NVNT	n20	5700	Ant2	-31.36	-27	Pass
NVNT	n40	5510	Ant1	-32.73	-27	Pass
NVNT	n40	5670	Ant1	-38.32	-27	Pass
NVNT	n40	5510	Ant2	-31.39	-27	Pass
NVNT	n40	5670	Ant2	-37.82	-27	Pass

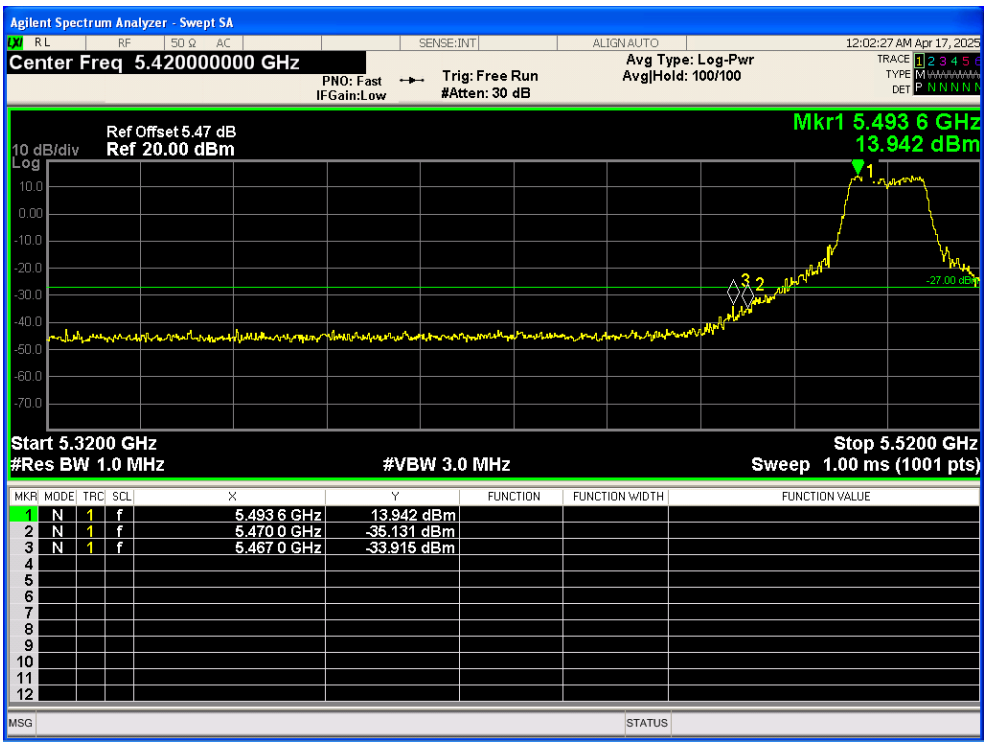
Band Edge NVNT a 5500MHz Low Ant1



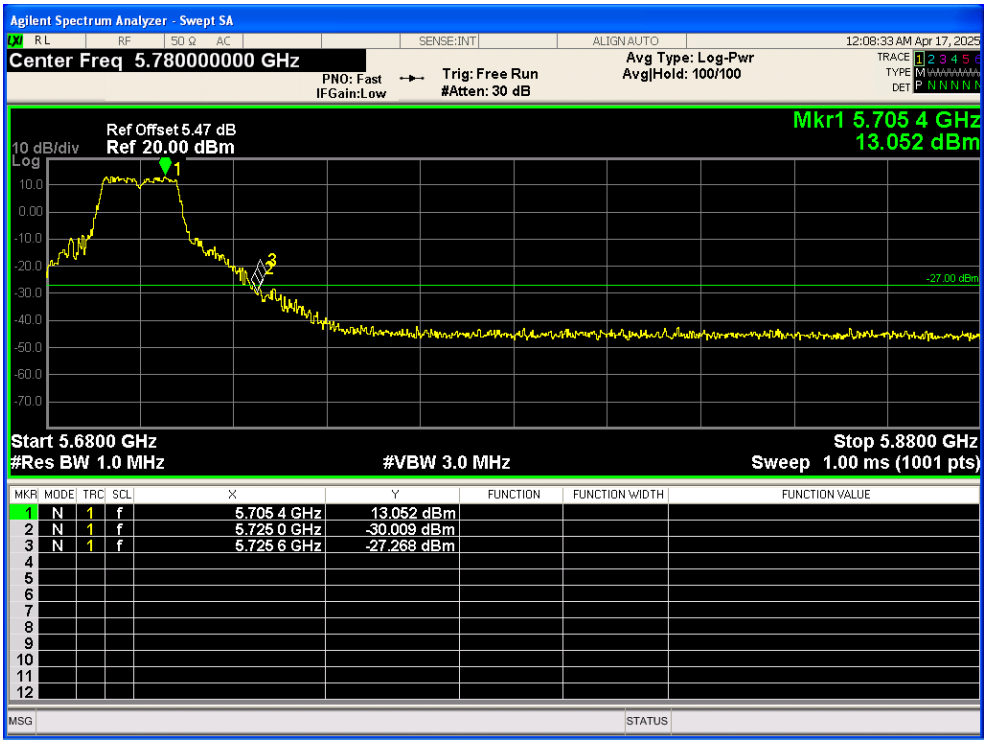
Band Edge NVNT a 5700MHz High Ant1



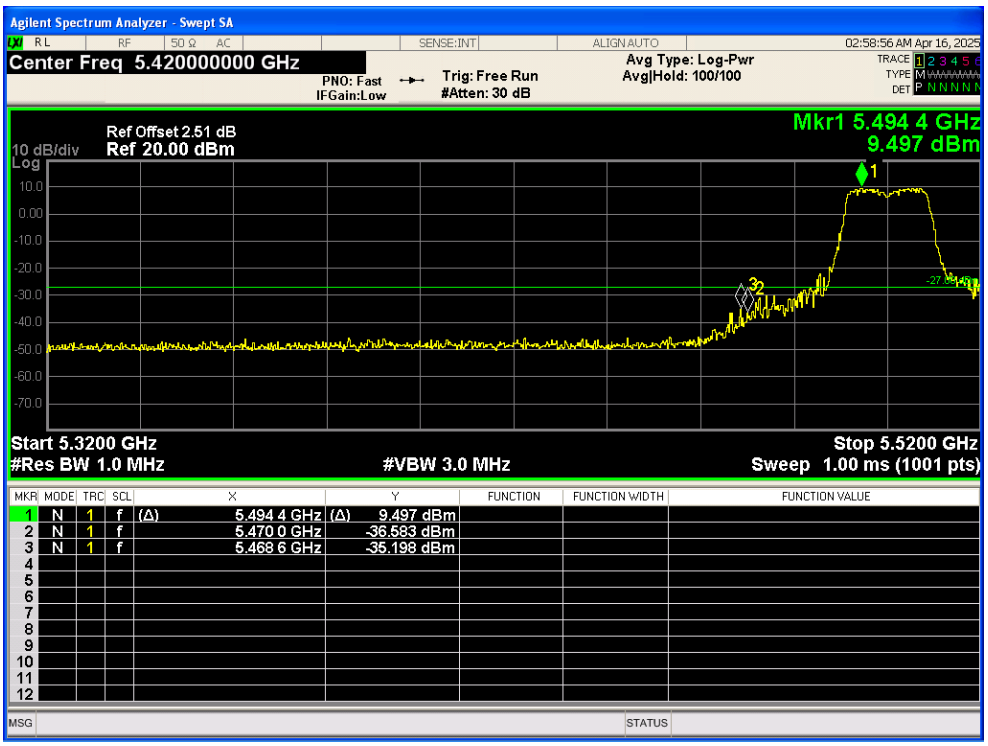
Band Edge NVNT a 5500MHz Low Ant2



Band Edge NVNT a 5700MHz High Ant2



Band Edge NVNT ac20 5500MHz Low Ant1



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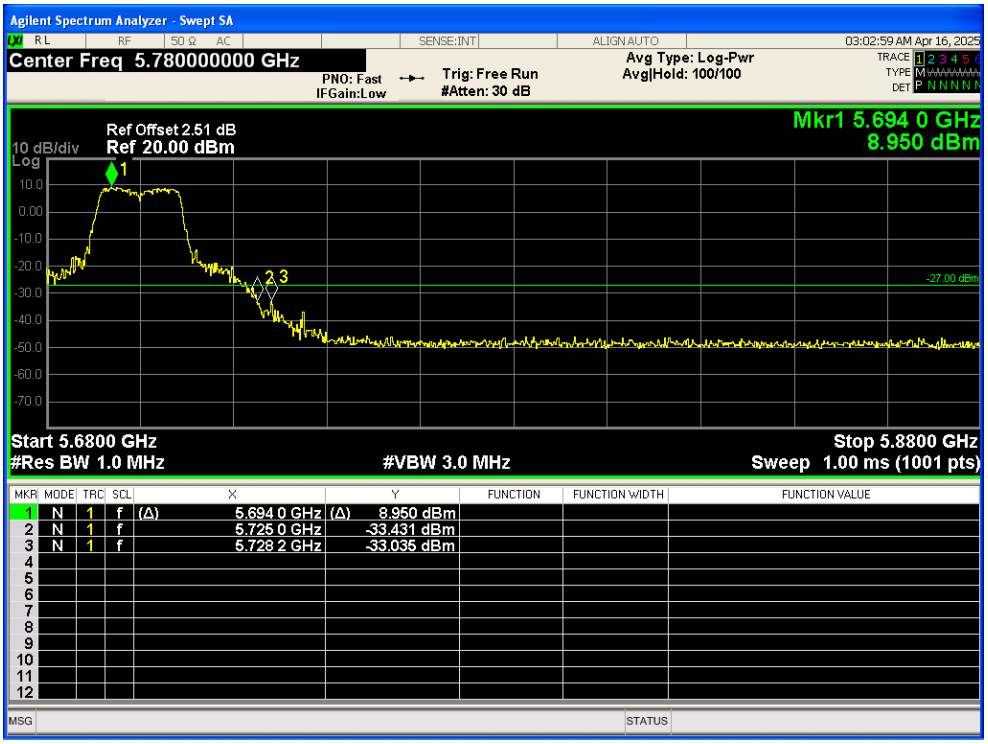

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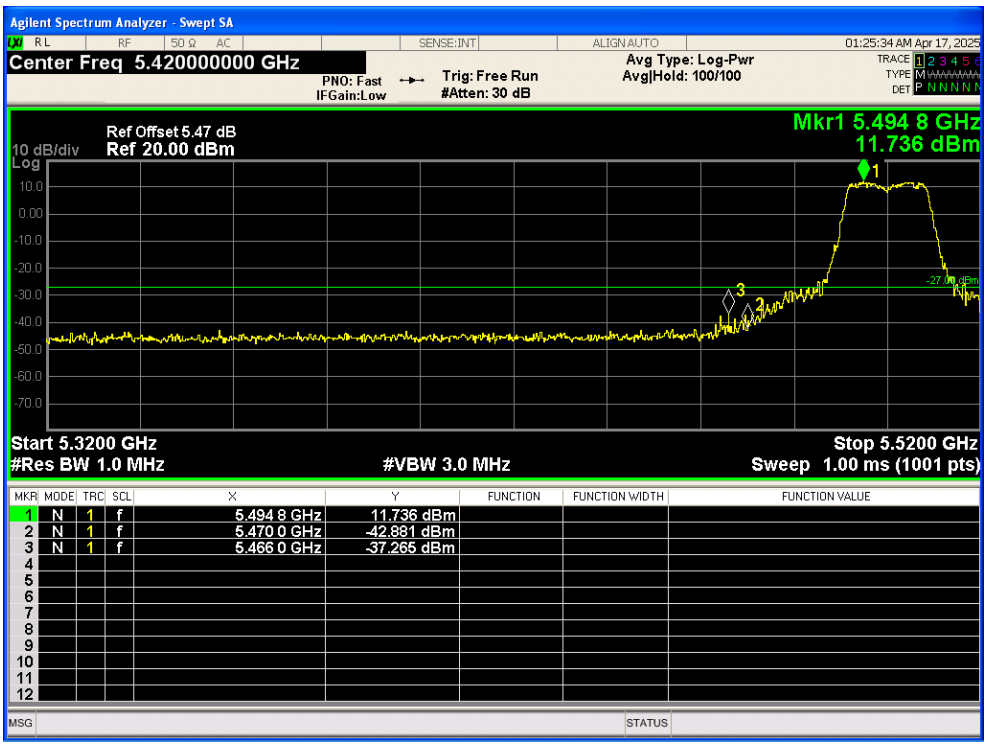
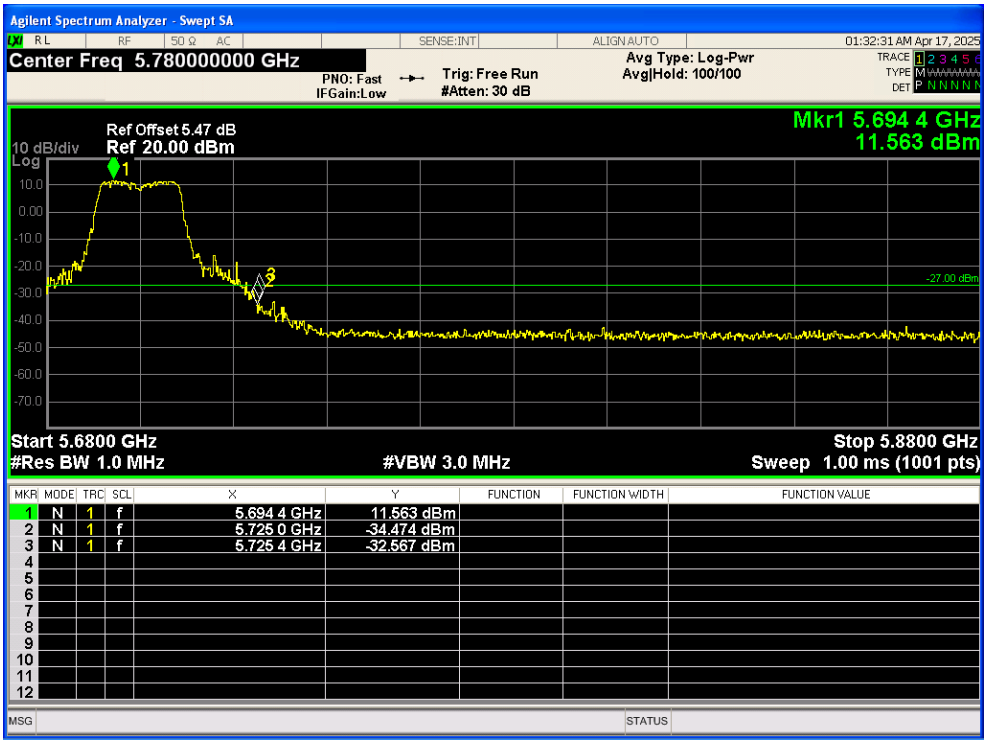
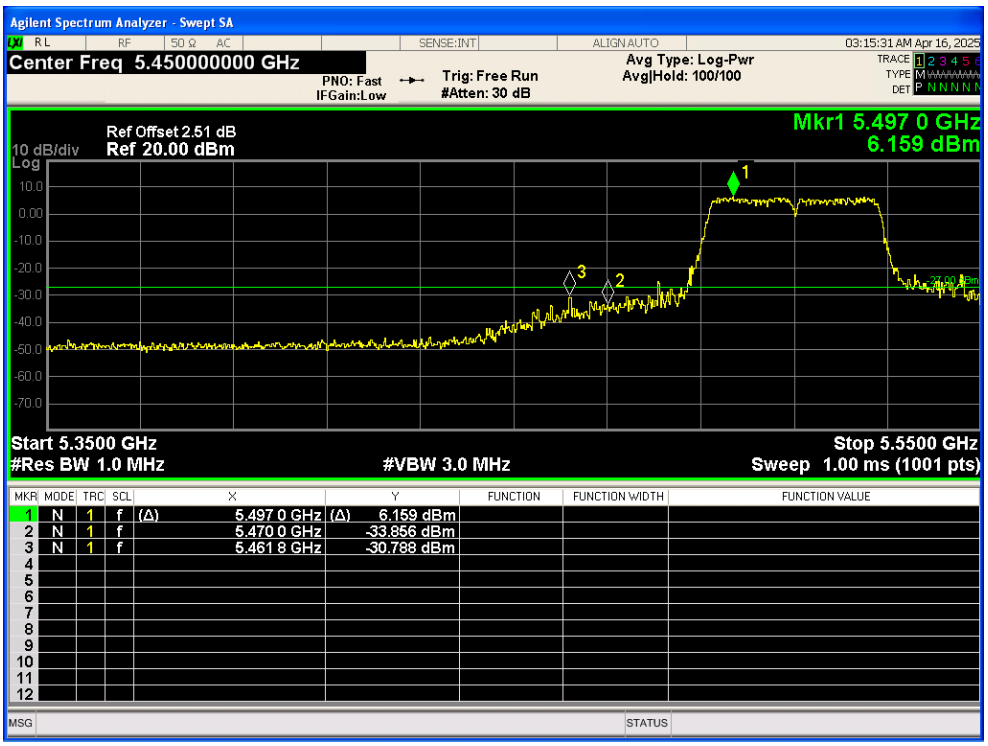


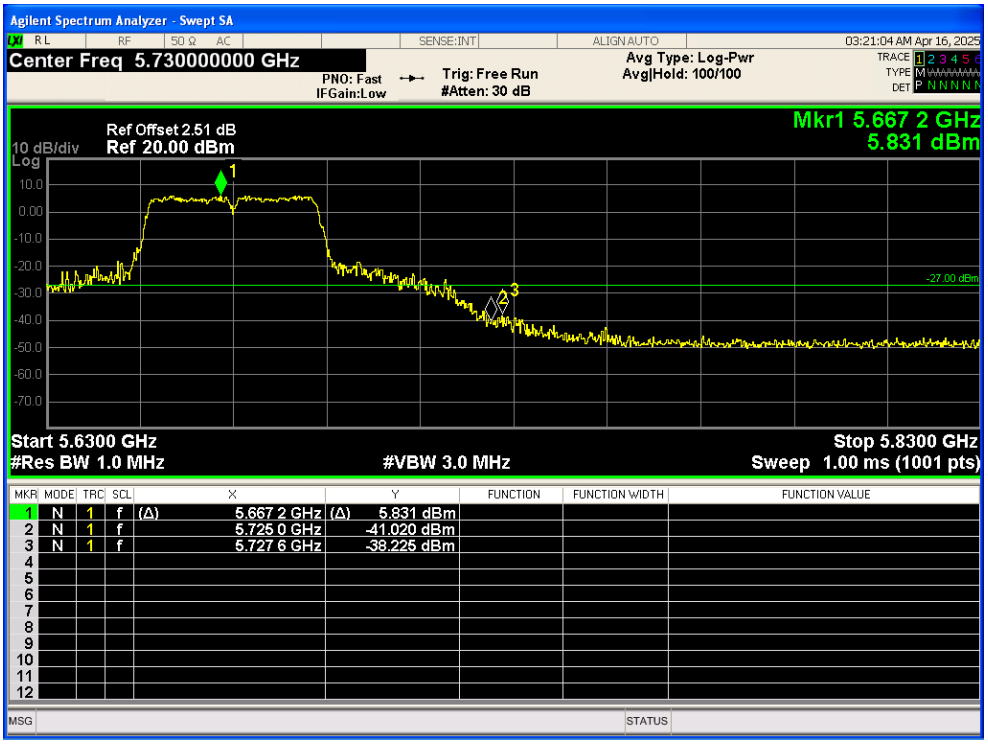
Band Edge NVNT ac20 5700MHz High Ant2



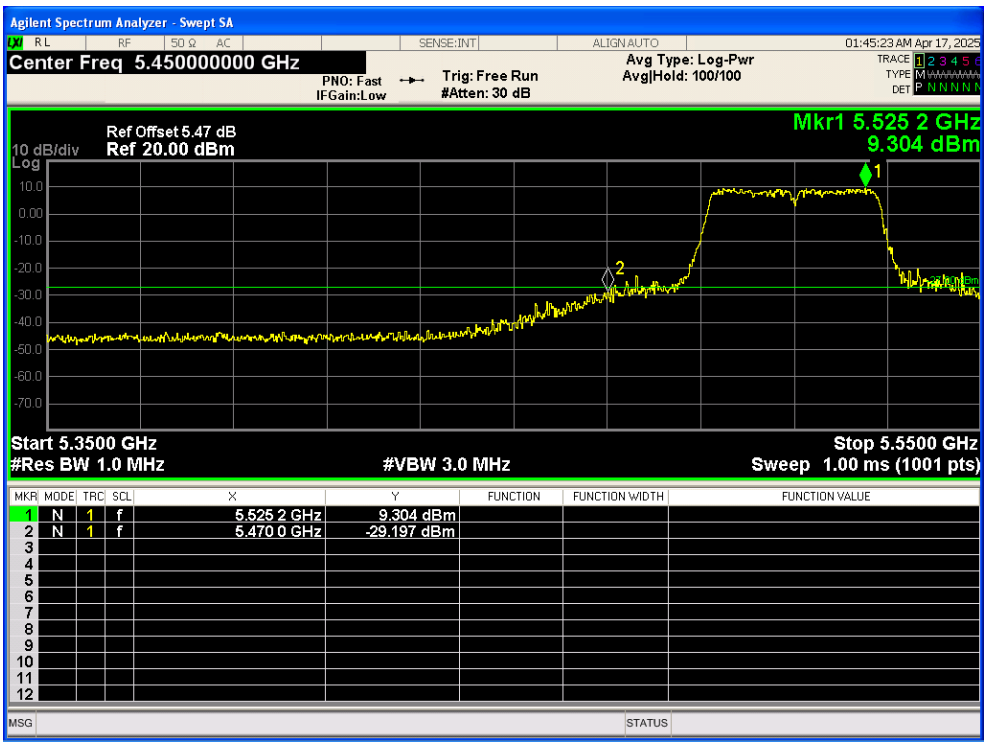
Band Edge NVNT ac40 5510MHz Low Ant1



Band Edge NVNT ac40 5670MHz High Ant1



Band Edge NVNT ac40 5510MHz Low Ant2



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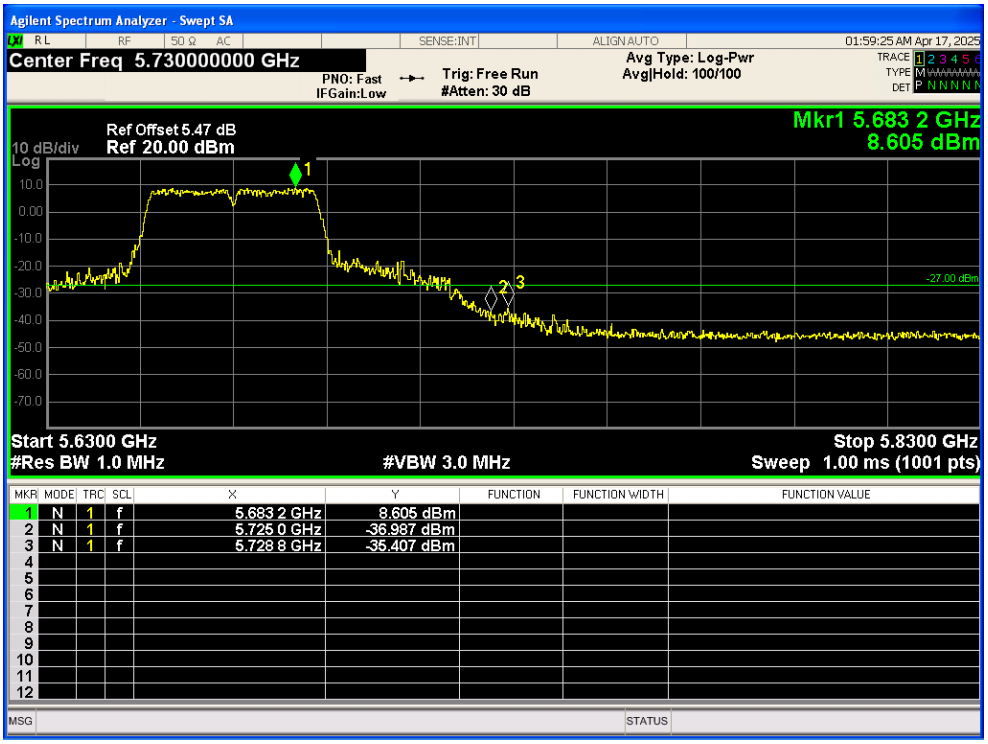
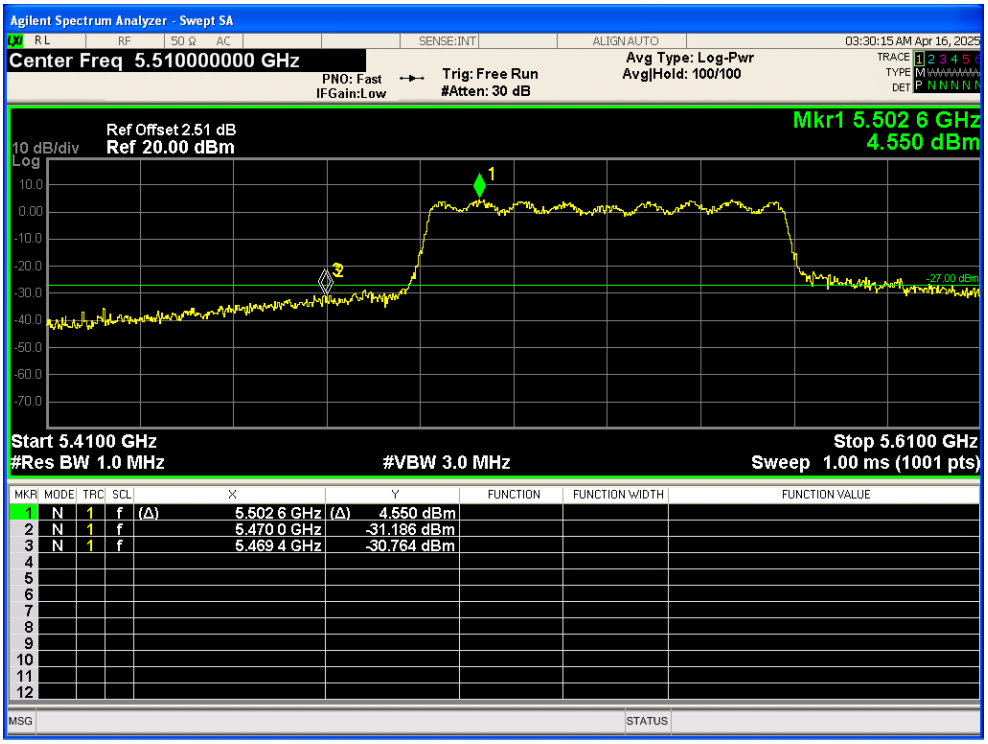
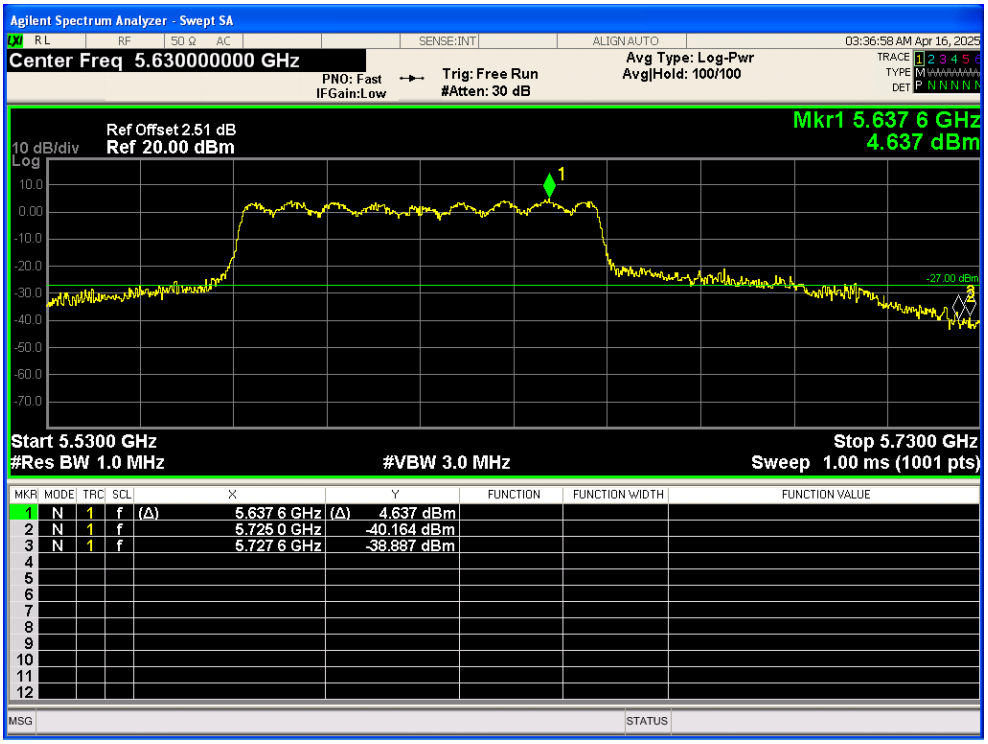


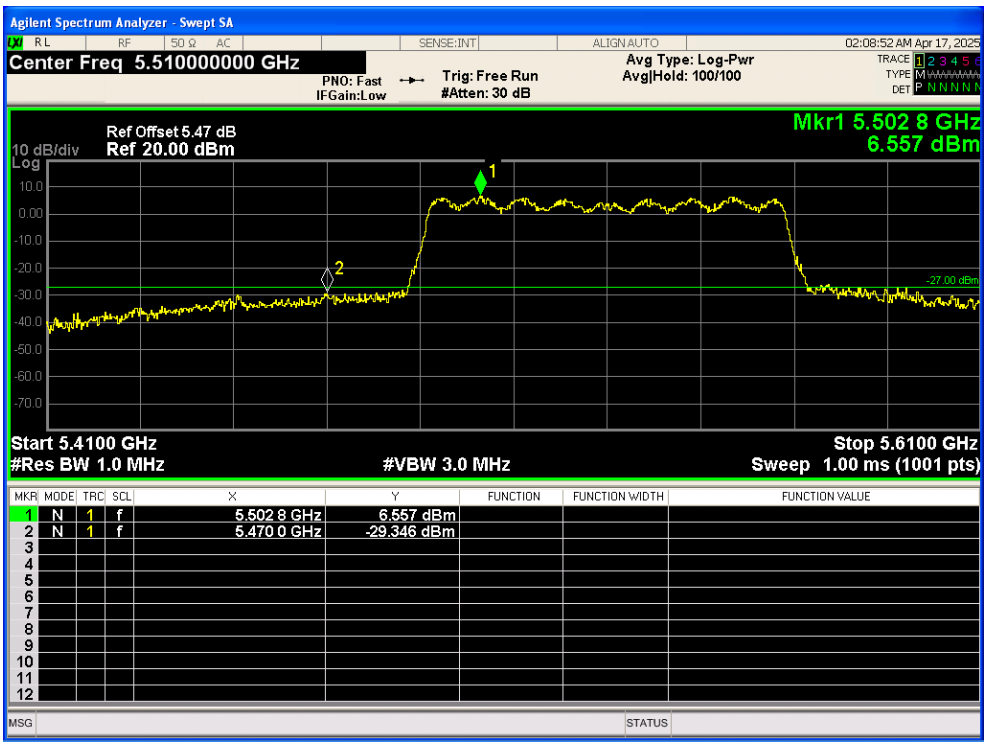
Band Edge NVNT ac80 5530MHz Low Ant1



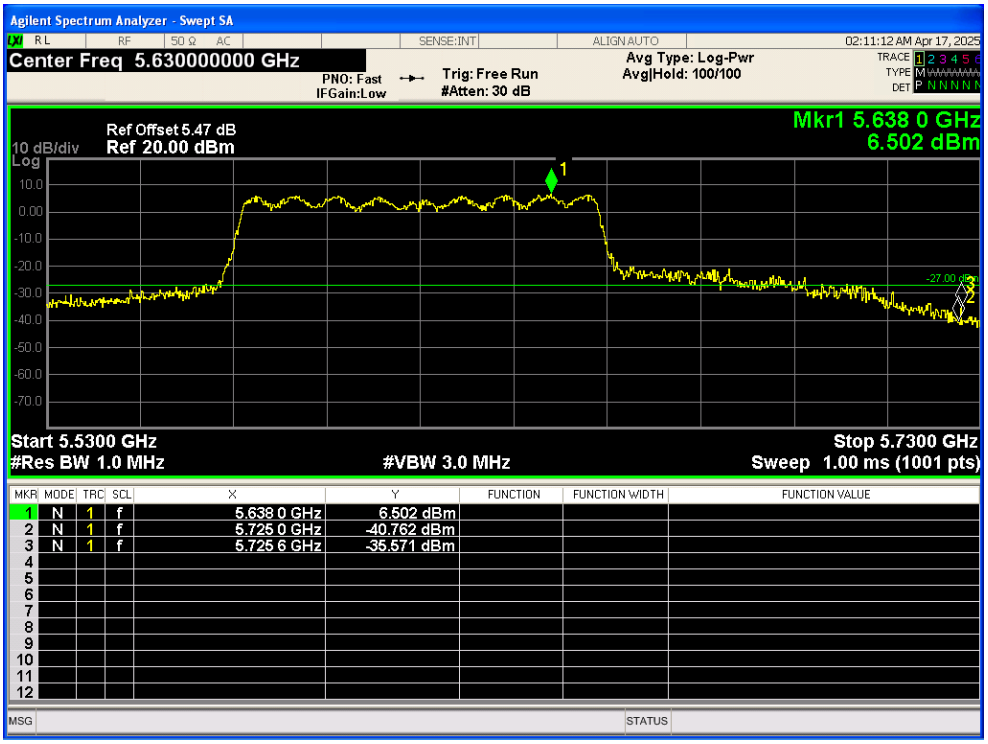
Band Edge NVNT ac80 5610MHz High Ant1



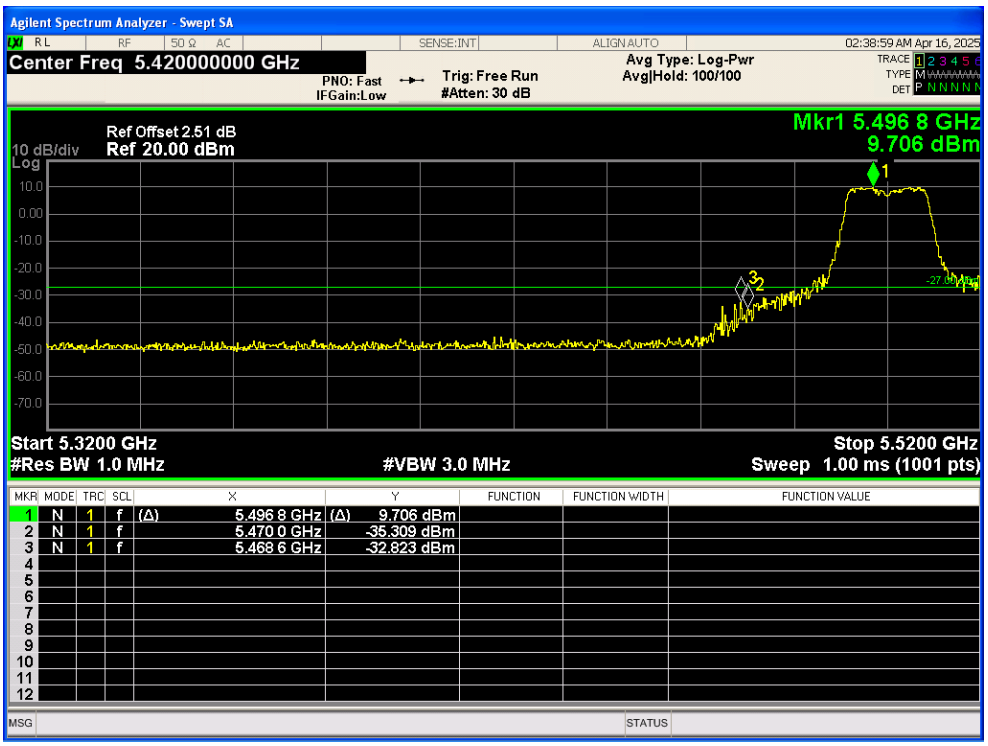
Band Edge NVNT ac80 5530MHz Low Ant2



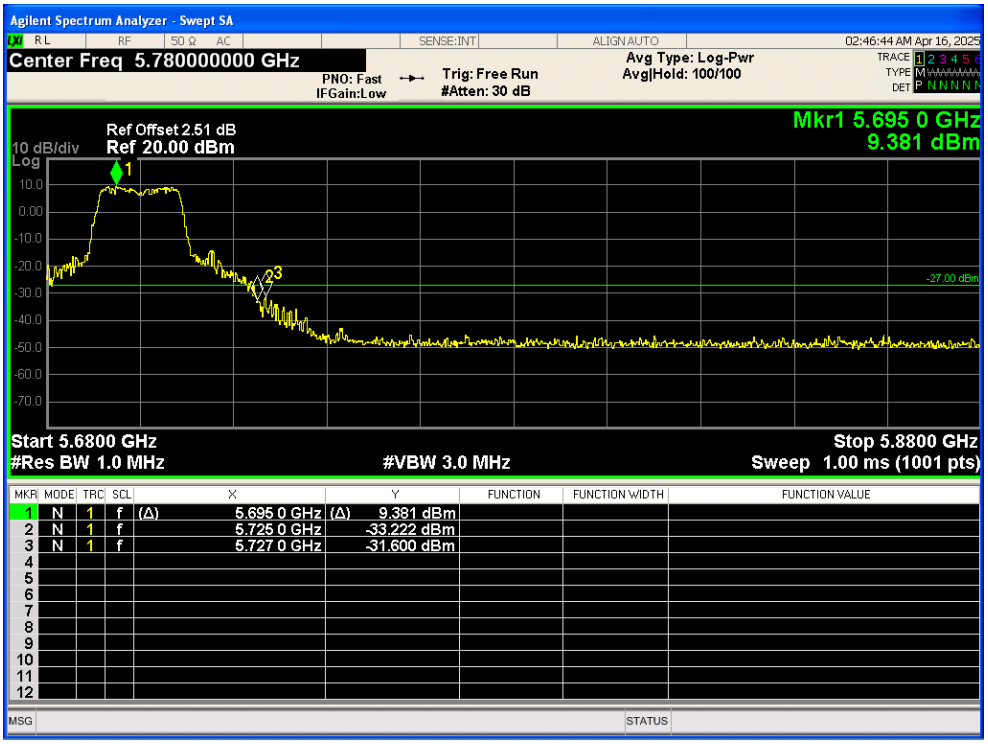
Band Edge NVNT ac80 5610MHz High Ant2



Band Edge NVNT n20 5500MHz Low Ant1



Band Edge NVNT n20 5700MHz High Ant1



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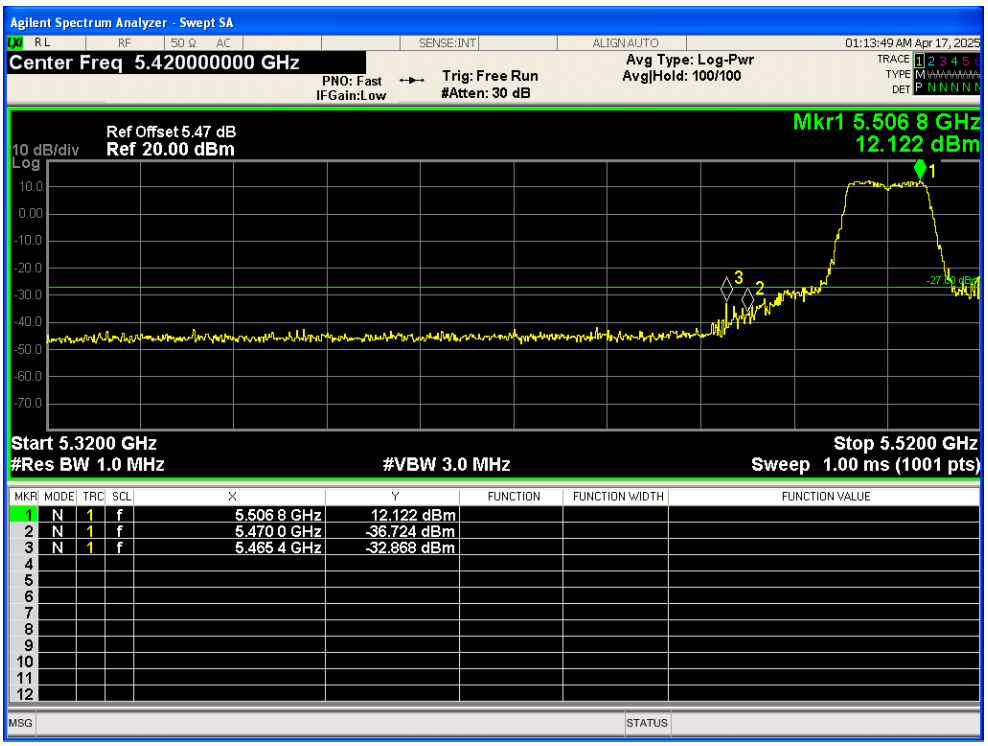
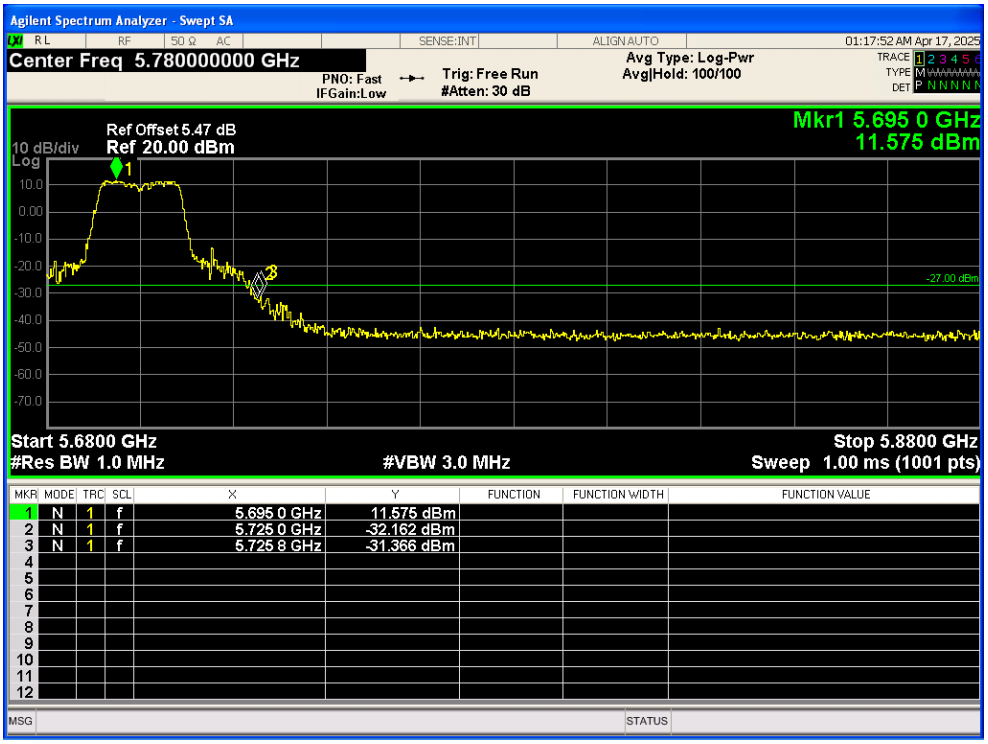
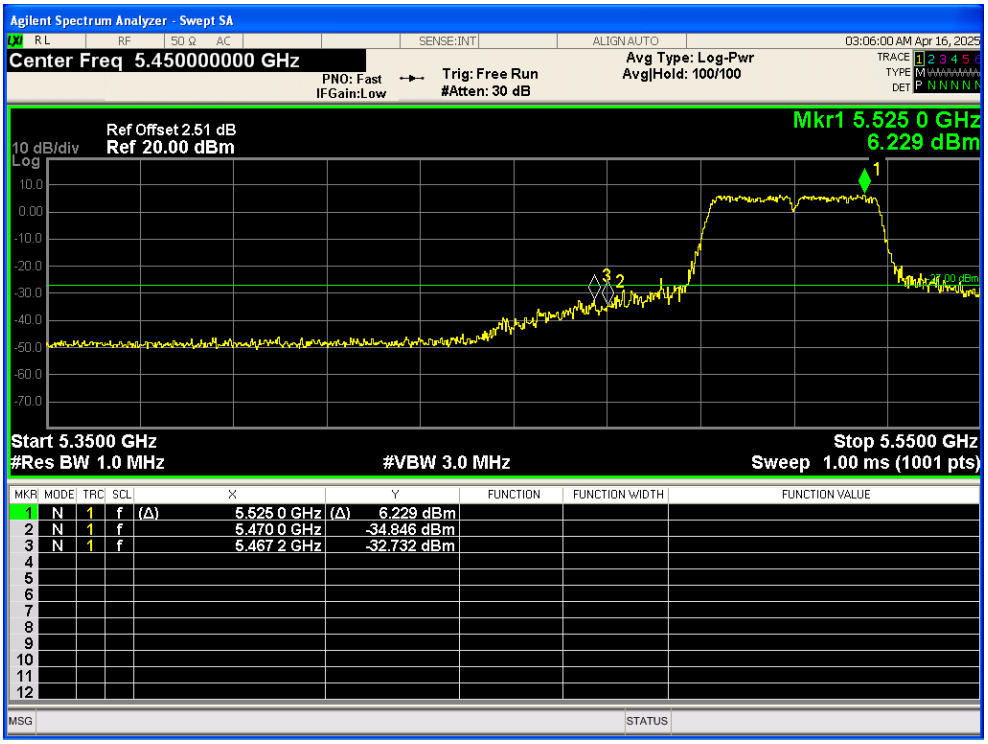


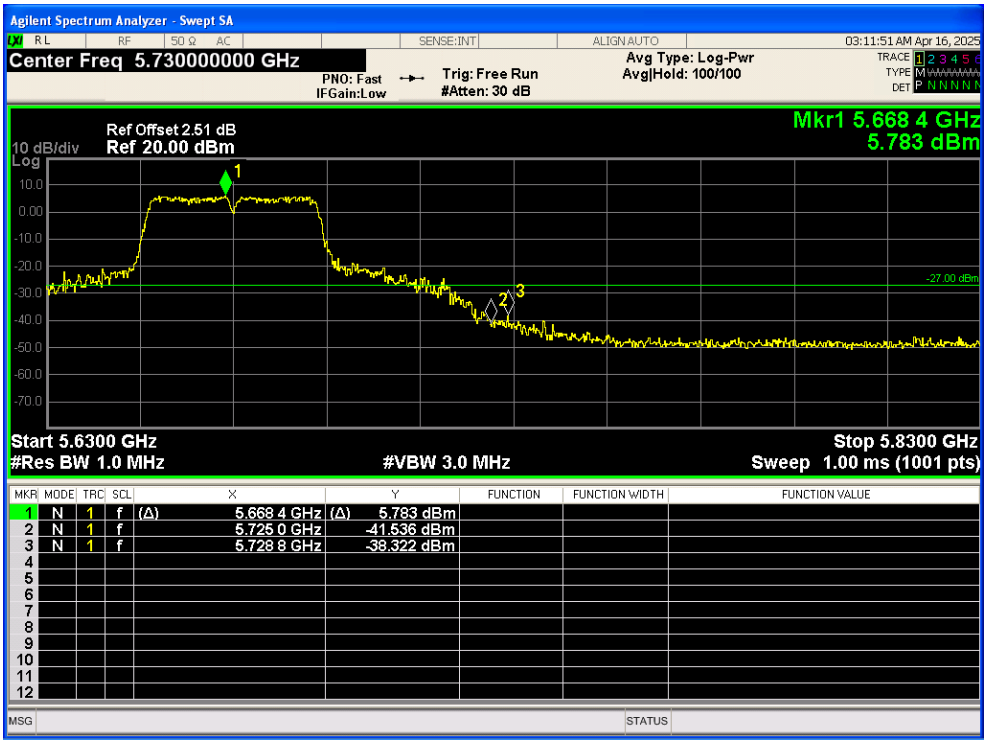
Band Edge NVNT n20 5700MHz High Ant2



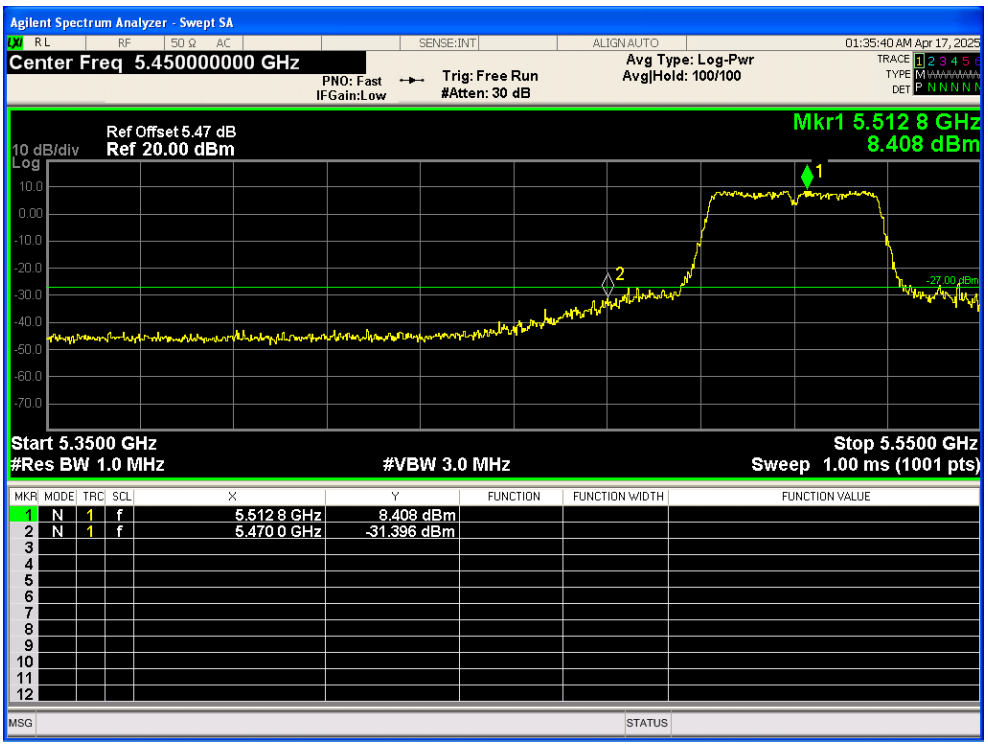
Band Edge NVNT n40 5510MHz Low Ant1



Band Edge NVNT n40 5670MHz High Ant1



Band Edge NVNT n40 5510MHz Low Ant2



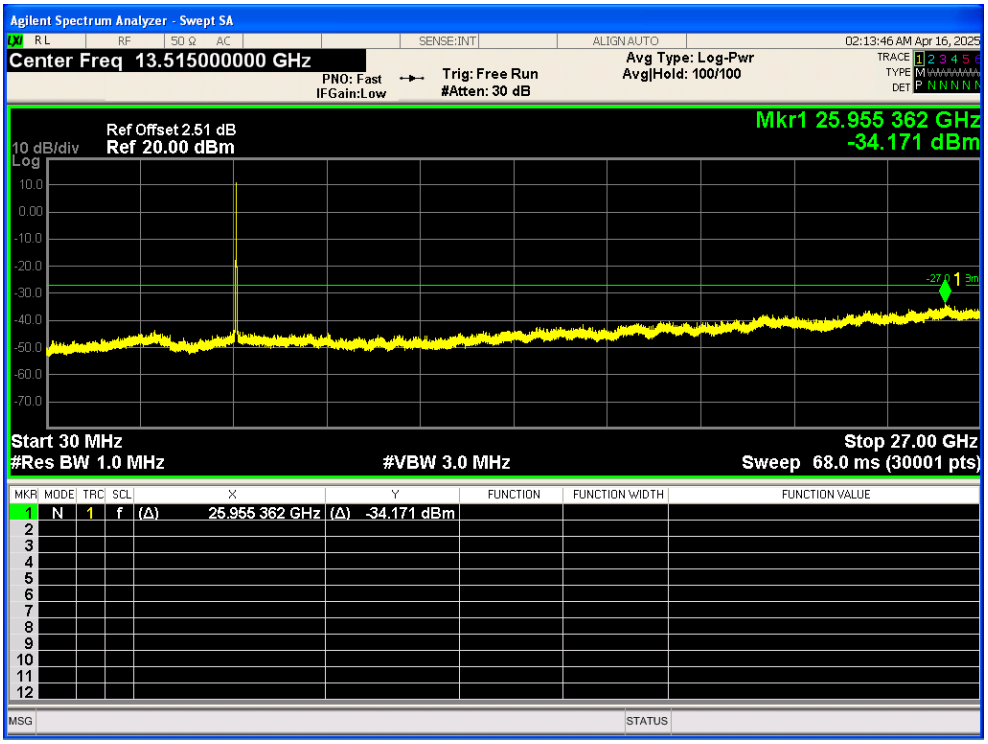
Band Edge NVNT n40 5670MHz High Ant2

Conducted RF Spurious Emission

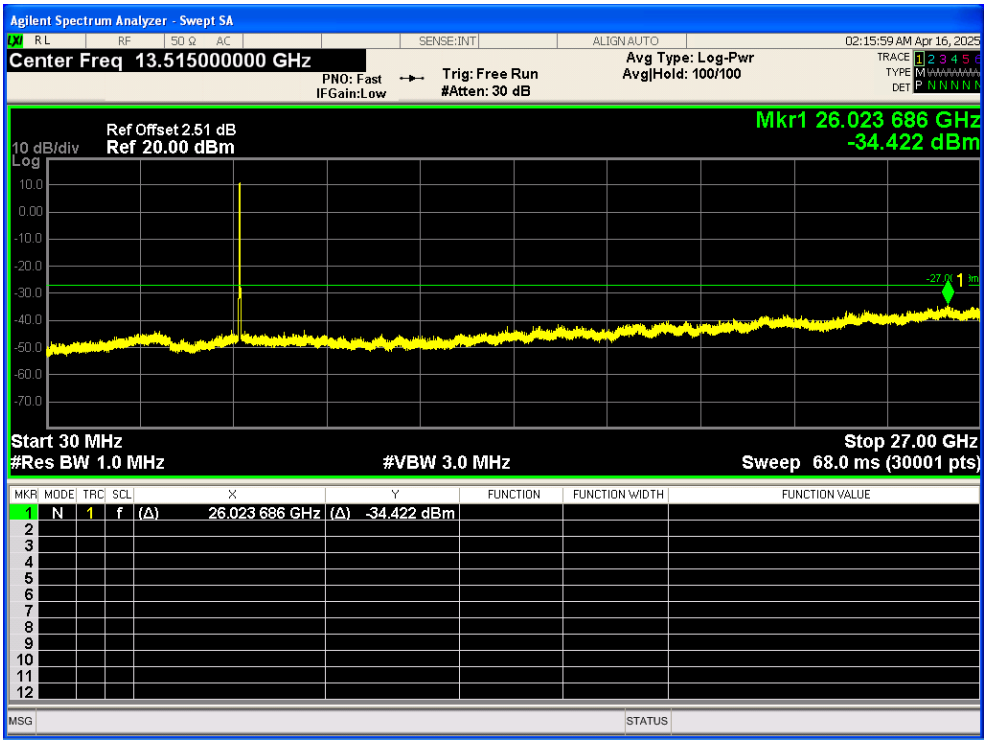
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5500	Ant1	-34.17	-27	Pass
NVNT	a	5600	Ant1	-34.42	-27	Pass
NVNT	a	5700	Ant1	-34.12	-27	Pass
NVNT	a	5500	Ant2	-31.35	-27	Pass
NVNT	a	5600	Ant2	-31.37	-27	Pass
NVNT	a	5700	Ant2	-31.23	-27	Pass
NVNT	ac20	5500	Ant1	-34.37	-27	Pass
NVNT	ac20	5600	Ant1	-35.13	-27	Pass
NVNT	ac20	5700	Ant1	-34.62	-27	Pass
NVNT	ac20	5500	Ant2	-31.9	-27	Pass
NVNT	ac20	5600	Ant2	-31.68	-27	Pass
NVNT	ac20	5700	Ant2	-31.53	-27	Pass
NVNT	ac40	5510	Ant1	-34.58	-27	Pass
NVNT	ac40	5590	Ant1	-34.09	-27	Pass
NVNT	ac40	5670	Ant1	-34.43	-27	Pass
NVNT	ac40	5510	Ant2	-31.6	-27	Pass
NVNT	ac40	5590	Ant2	-31.15	-27	Pass
NVNT	ac40	5670	Ant2	-31.45	-27	Pass
NVNT	ac80	5530	Ant1	-34.37	-27	Pass
NVNT	ac80	5610	Ant1	-34.55	-27	Pass
NVNT	ac80	5530	Ant2	-31.81	-27	Pass

NVNT	ac80	5610	Ant2	-31.34	-27	Pass
NVNT	n20	5500	Ant1	-34.36	-27	Pass
NVNT	n20	5600	Ant1	-34.46	-27	Pass
NVNT	n20	5700	Ant1	-34.82	-27	Pass
NVNT	n20	5500	Ant2	-31.26	-27	Pass
NVNT	n20	5600	Ant2	-30.91	-27	Pass
NVNT	n20	5700	Ant2	-30.97	-27	Pass
NVNT	n40	5510	Ant1	-33.85	-27	Pass
NVNT	n40	5590	Ant1	-34.33	-27	Pass
NVNT	n40	5670	Ant1	-34.82	-27	Pass
NVNT	n40	5510	Ant2	-31.82	-27	Pass
NVNT	n40	5590	Ant2	-30.97	-27	Pass
NVNT	n40	5670	Ant2	-31.39	-27	Pass

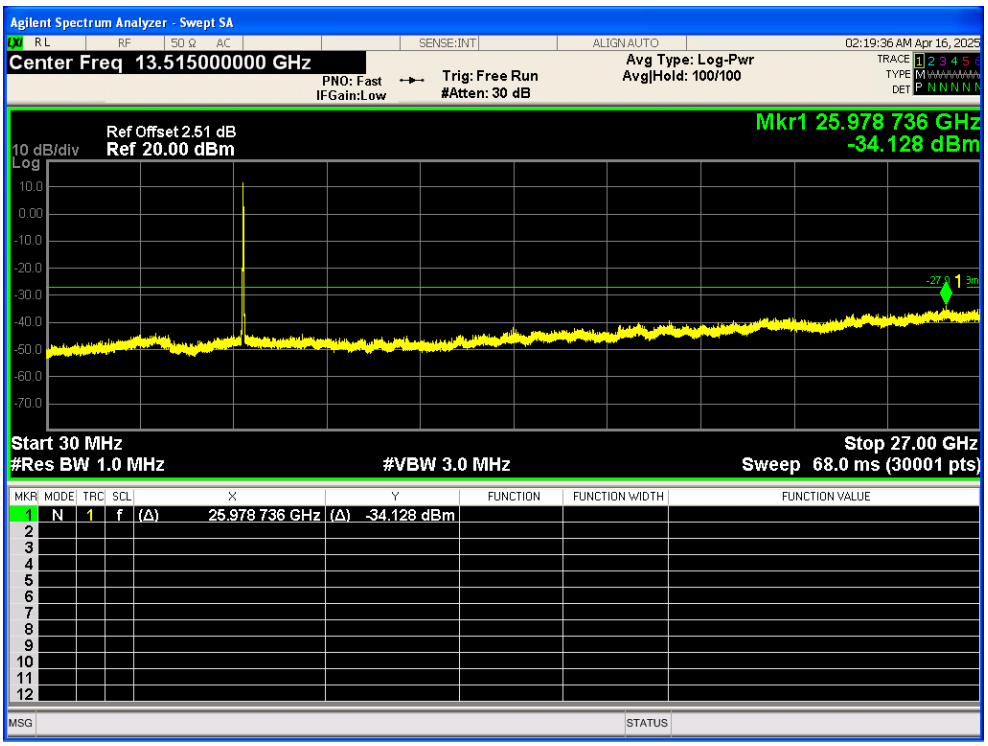
Tx. Spurious NVNT a 5500MHz Ant1 Emission



Tx. Spurious NVNT a 5600MHz Ant1 Emission



Tx. Spurious NVNT a 5700MHz Ant1 Emission



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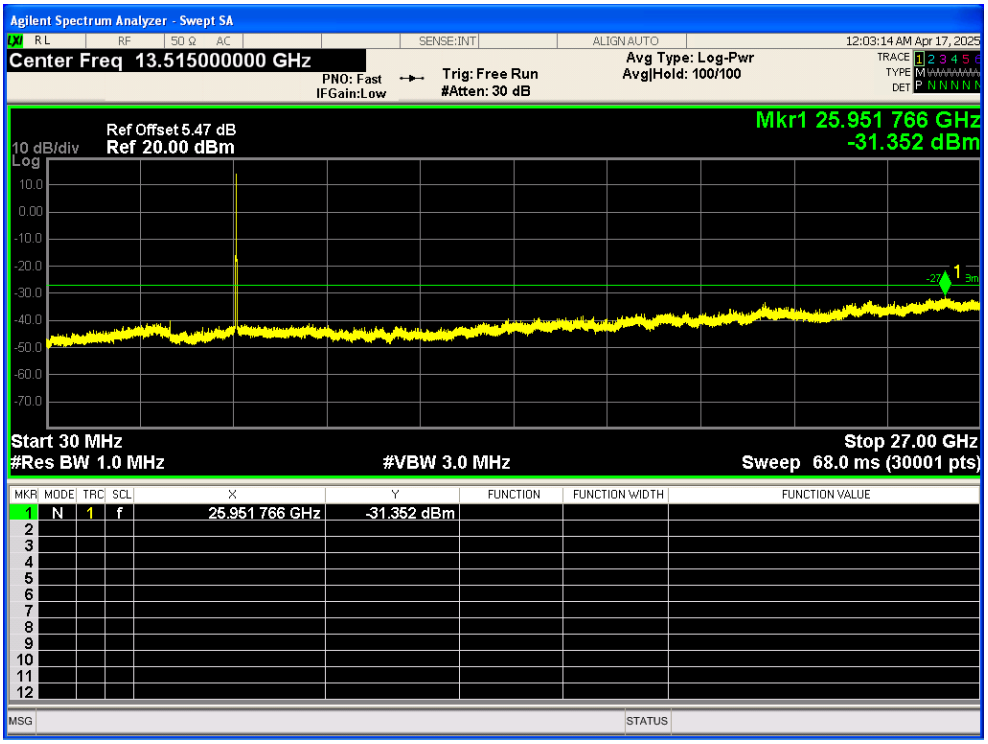
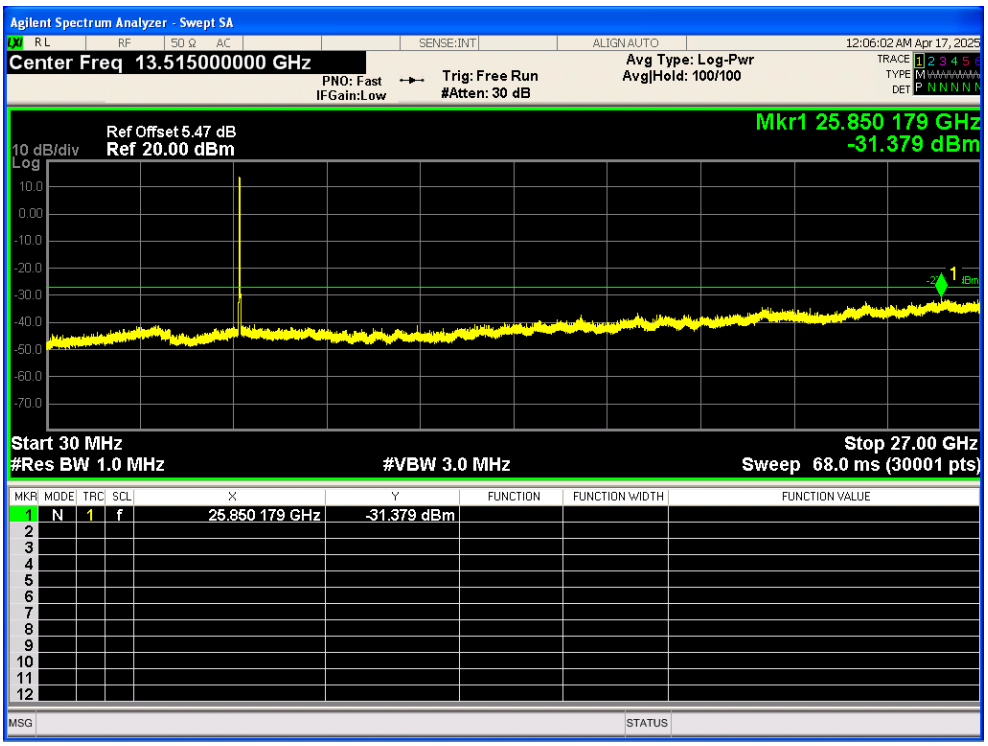
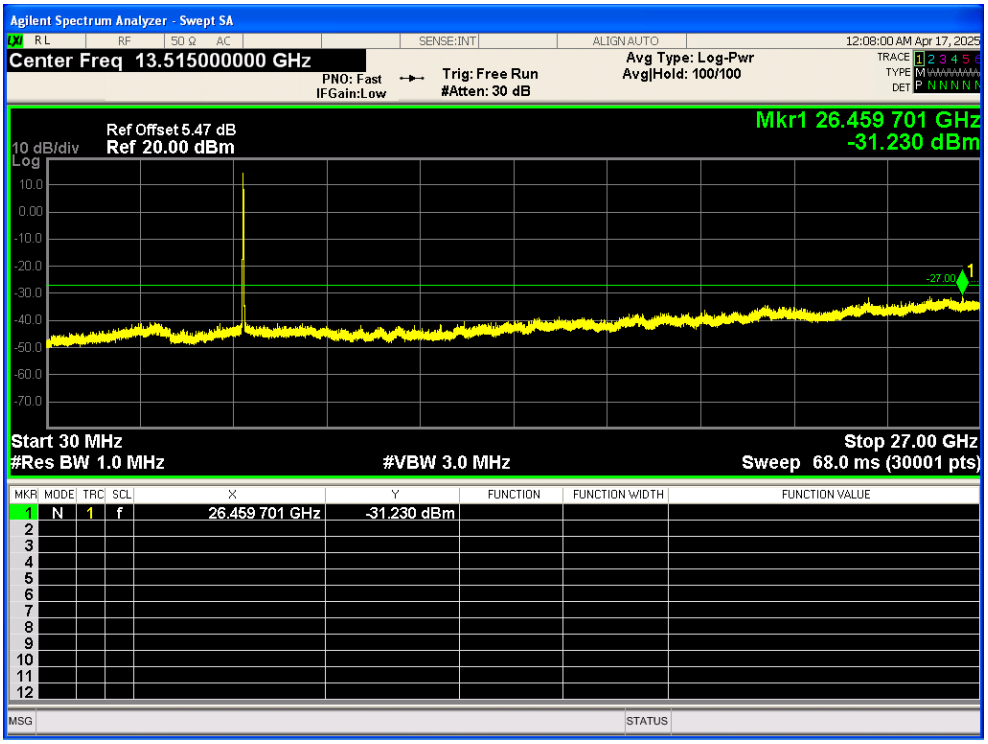


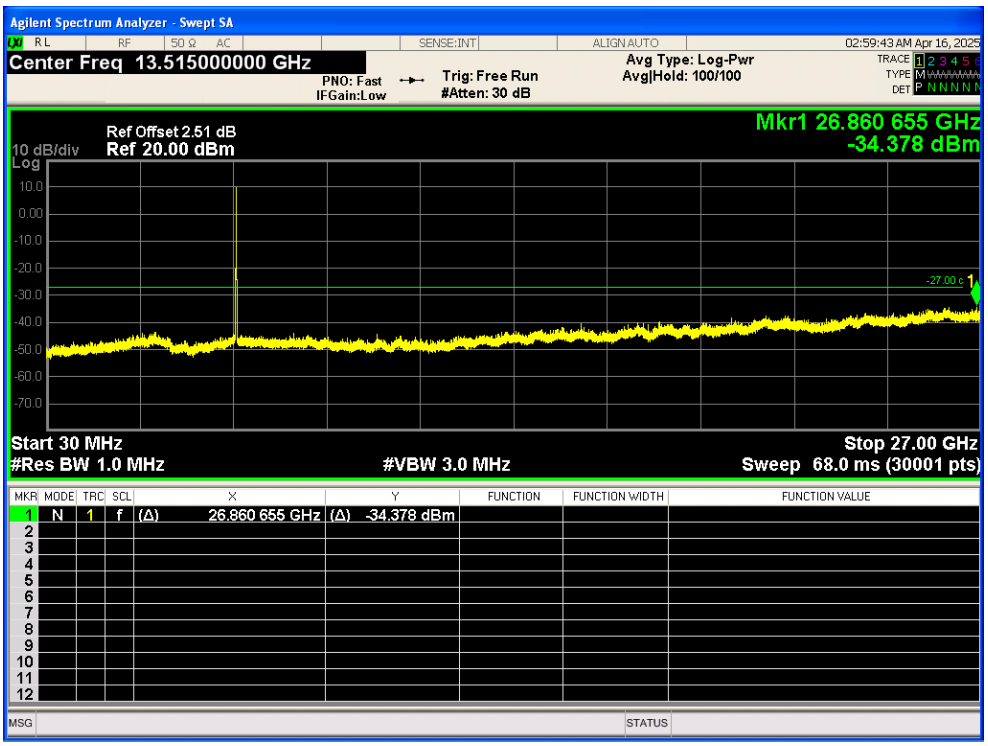
Tx. Spurious NVNT a 5600MHz Ant2 Emission



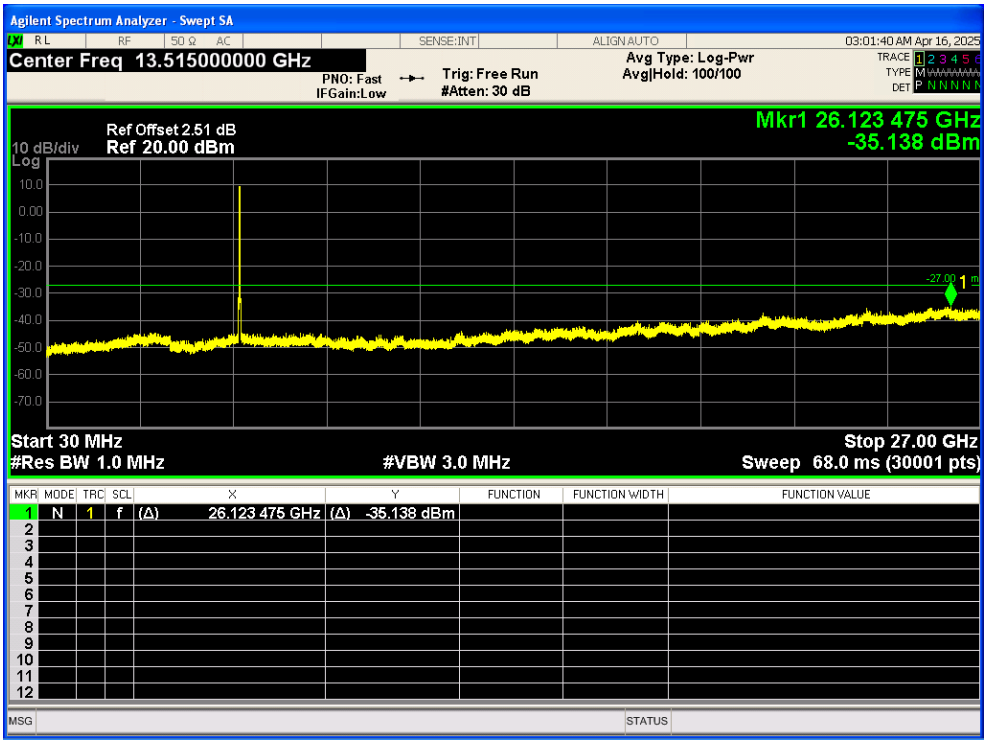
Tx. Spurious NVNT a 5700MHz Ant2 Emission



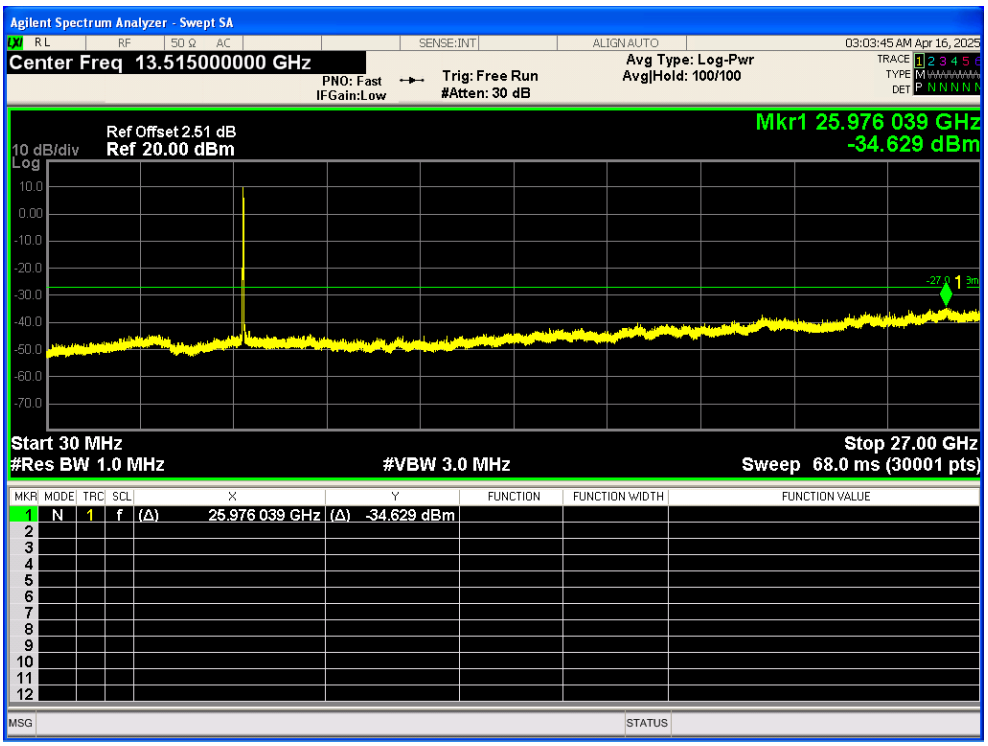
Tx. Spurious NVNT ac20 5500MHz Ant1 Emission



Tx. Spurious NVNT ac20 5600MHz Ant1 Emission



Tx. Spurious NVNT ac20 5700MHz Ant1 Emission



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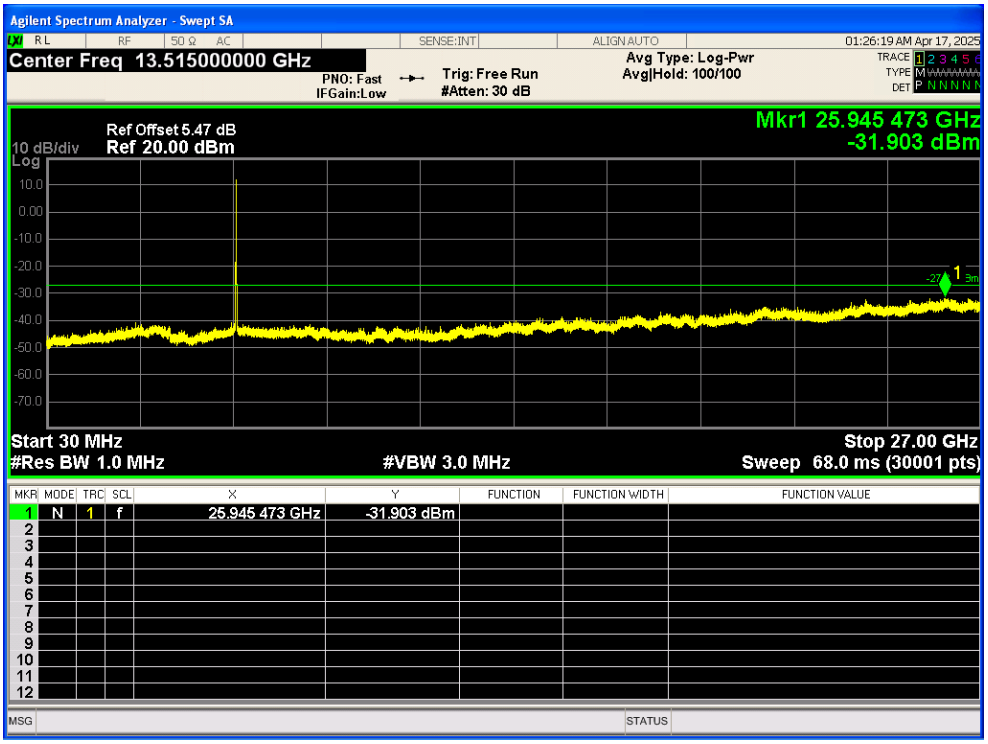
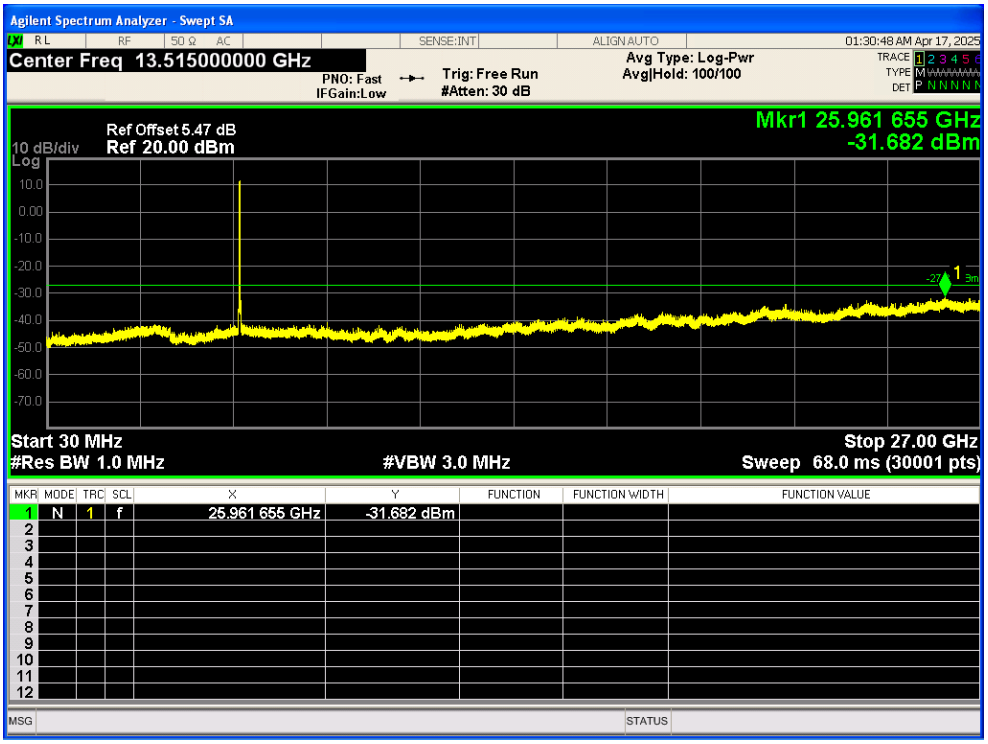
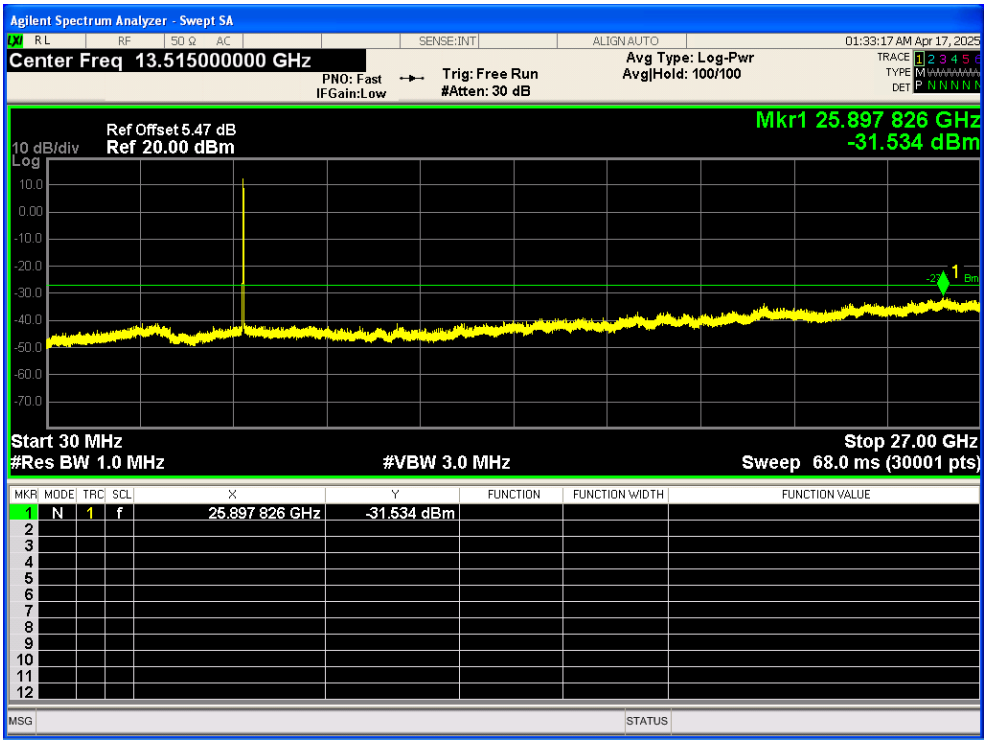


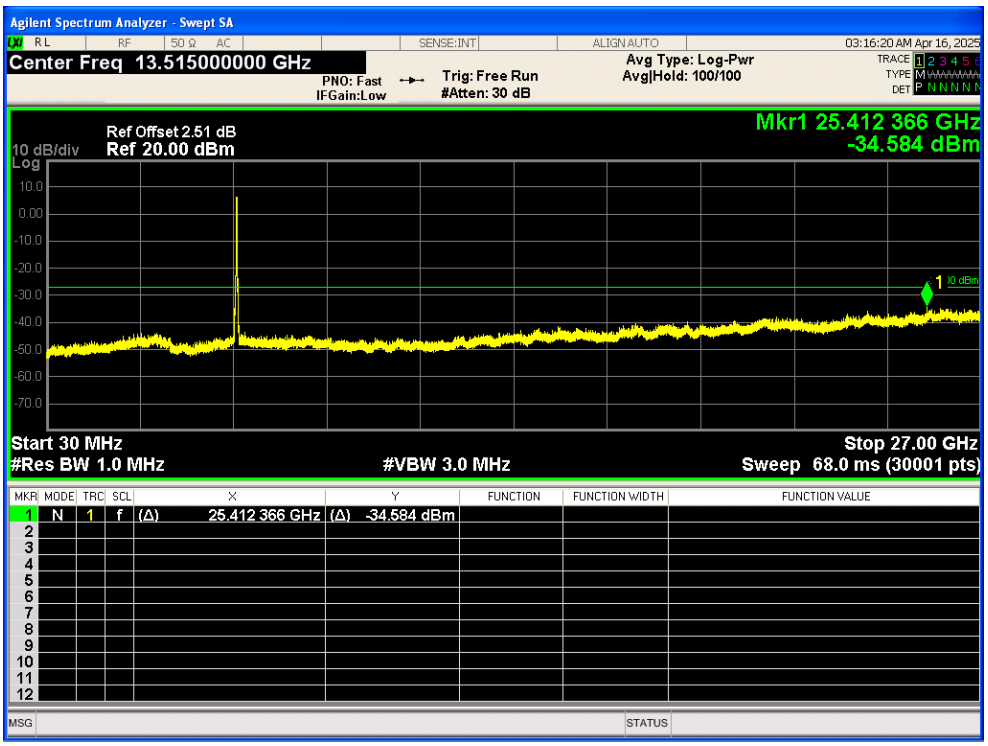
Tx. Spurious NVNT ac20 5600MHz Ant2 Emission



Tx. Spurious NVNT ac20 5700MHz Ant2 Emission



Tx. Spurious NVNT ac40 5510MHz Ant1 Emission



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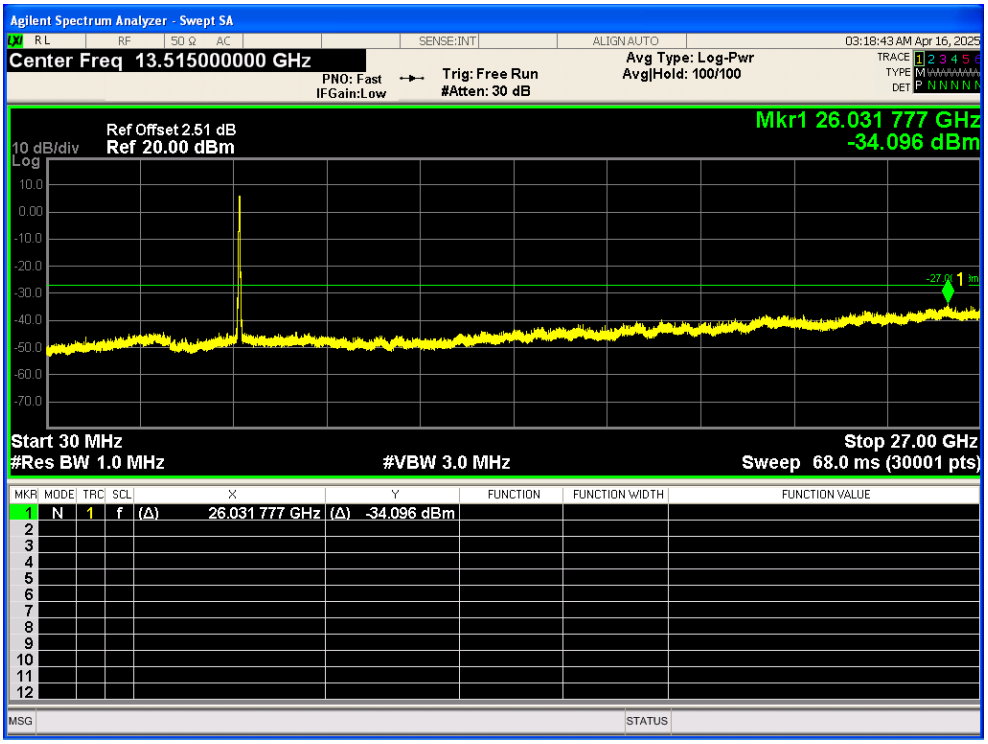

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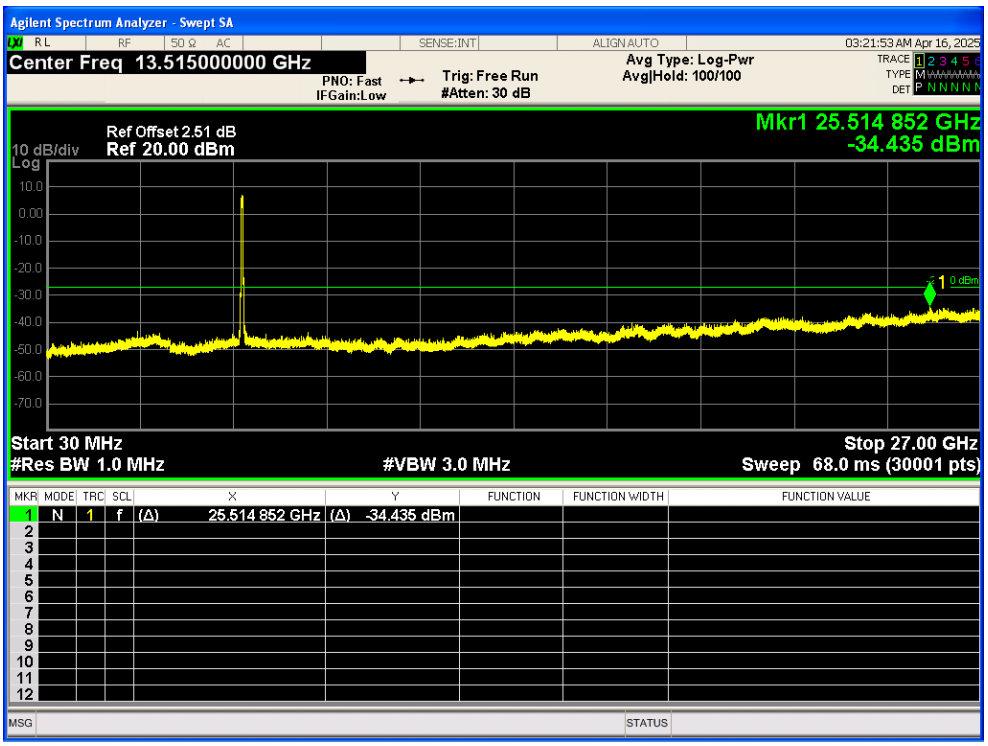
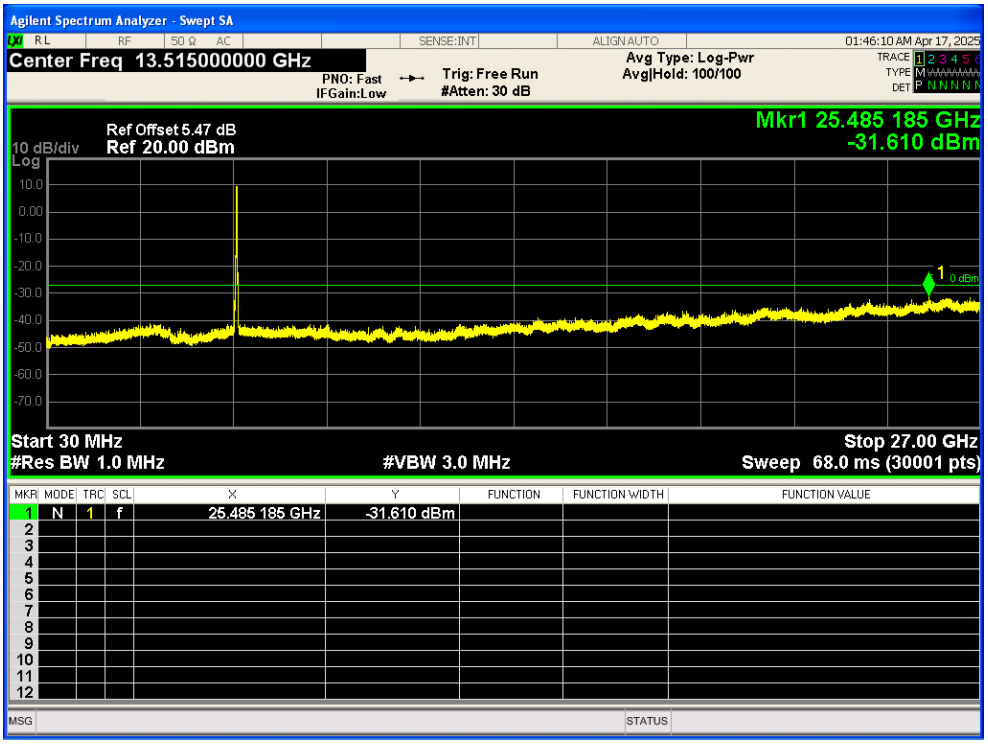
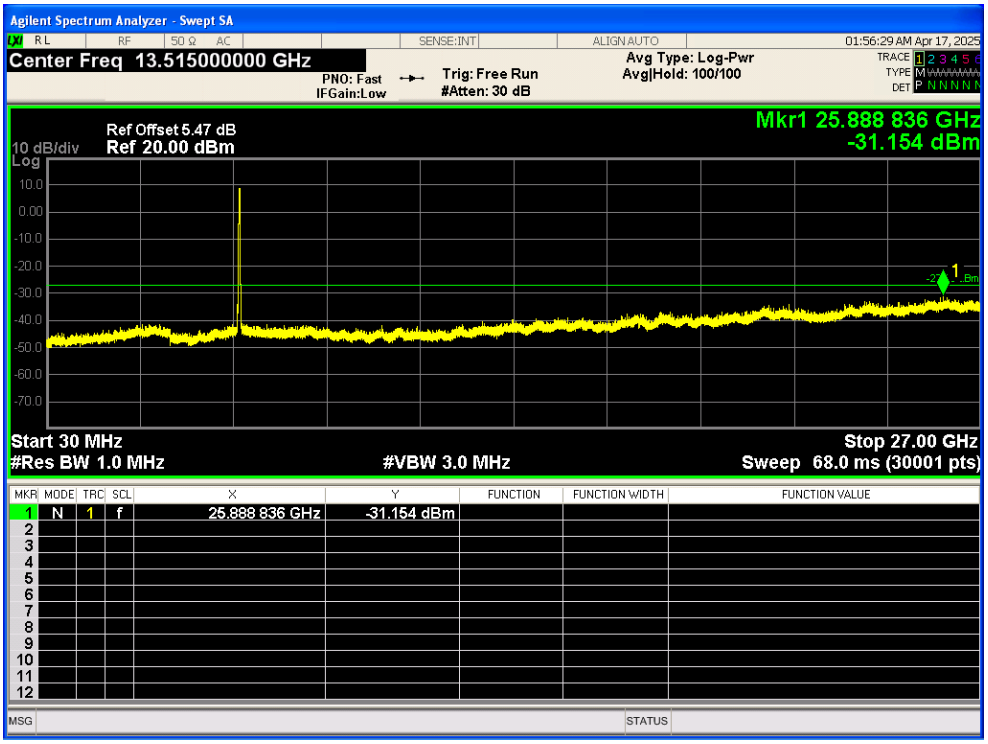


Tx. Spurious NVNT ac40 5510MHz Ant2 Emission



Tx. Spurious NVNT ac40 5590MHz Ant2 Emission



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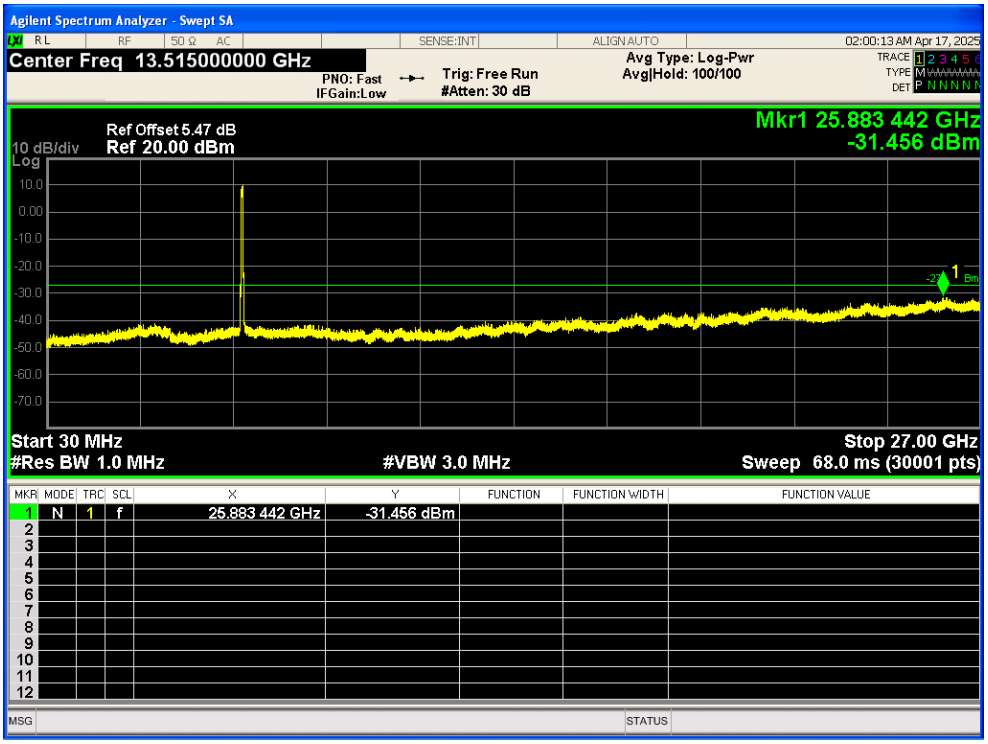

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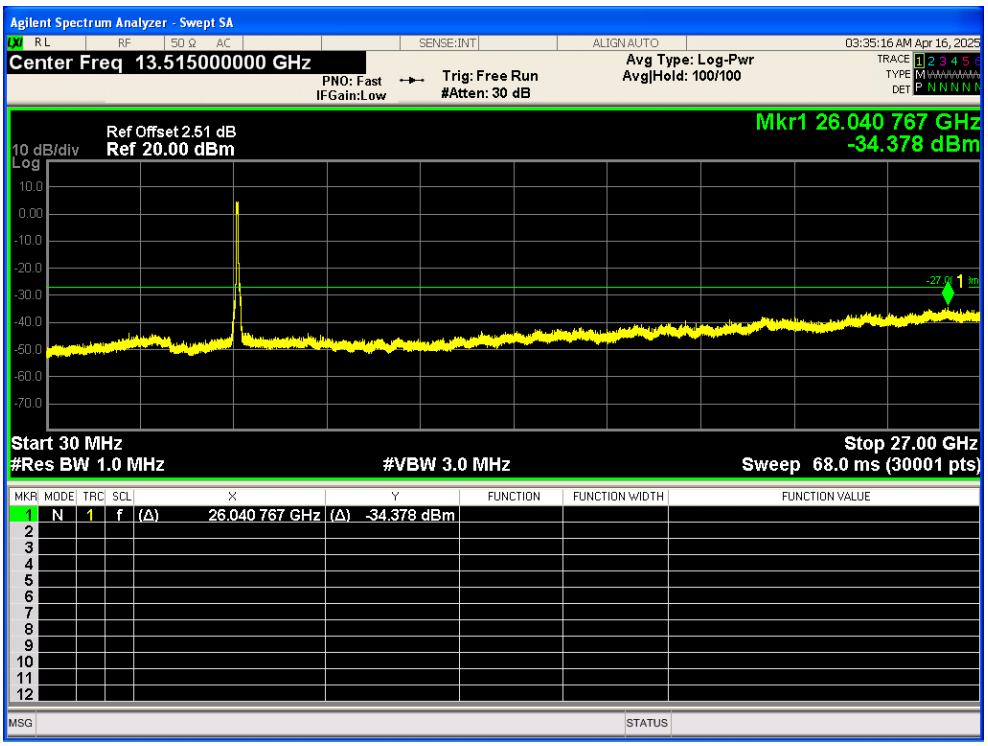

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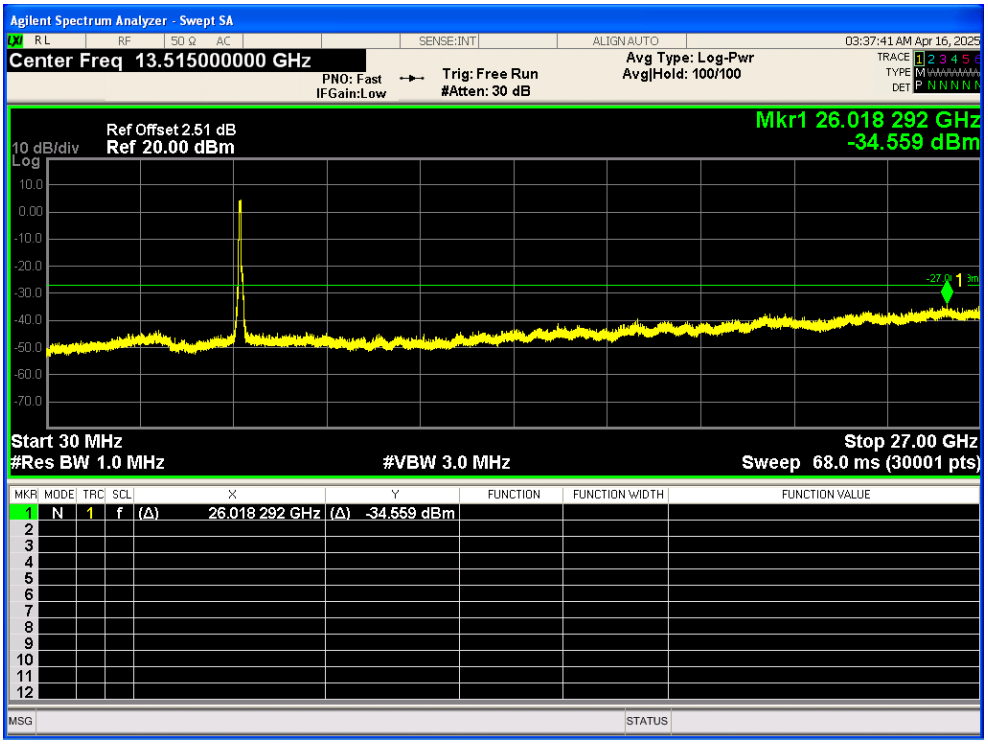

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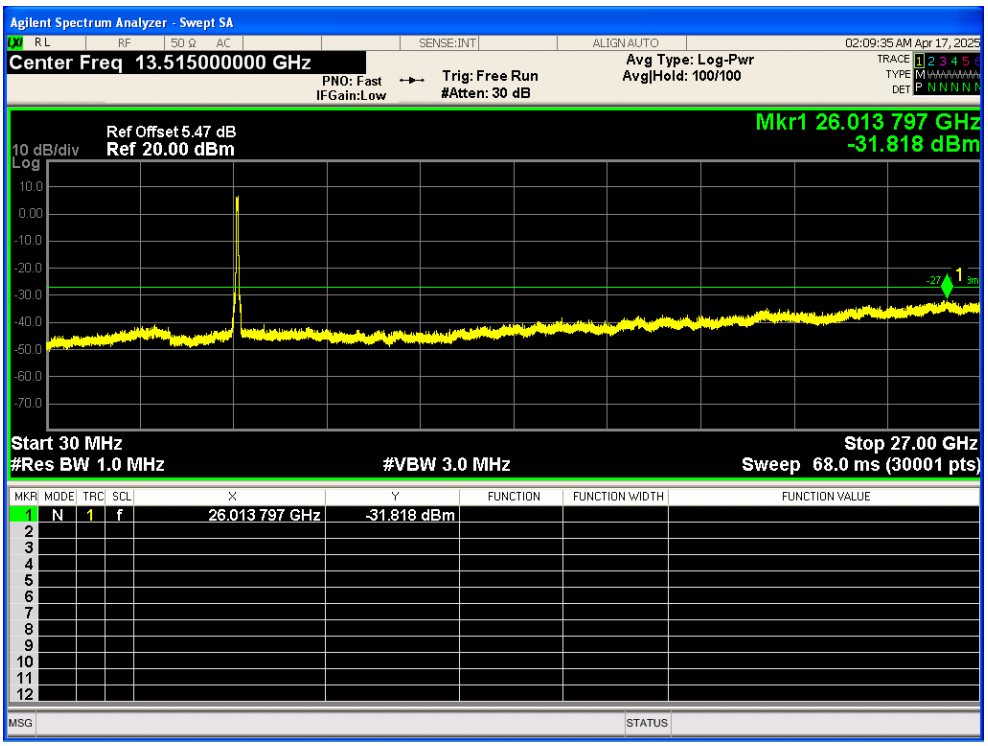
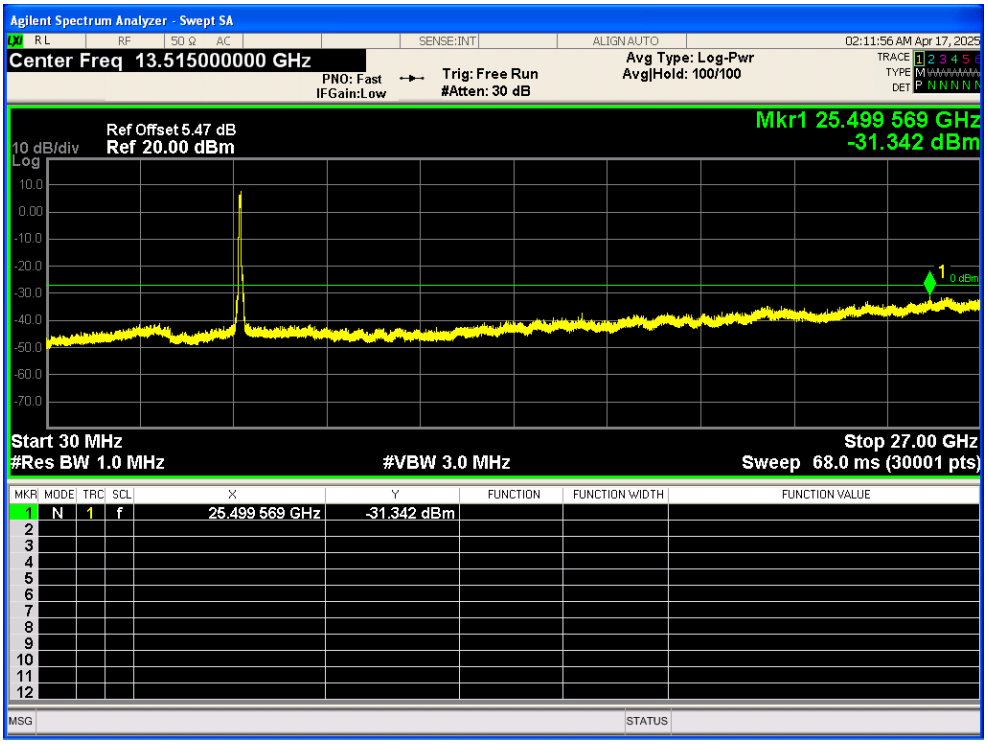
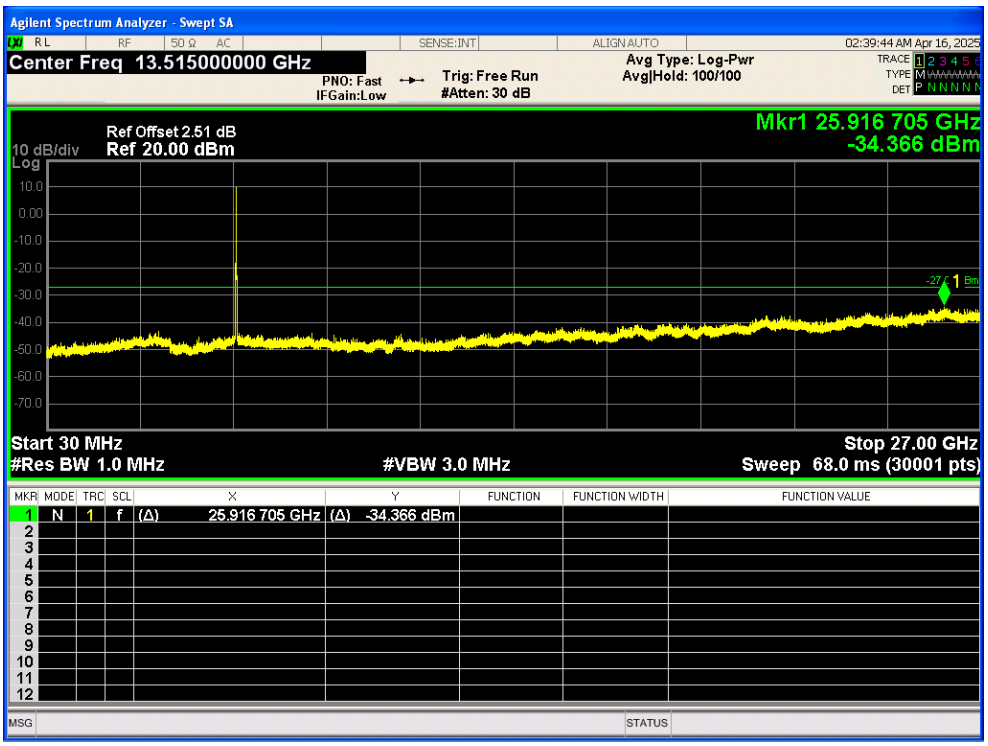


Tx. Spurious NVNT ac80 5610MHz Ant2 Emission



Tx. Spurious NVNT n20 5500MHz Ant1 Emission



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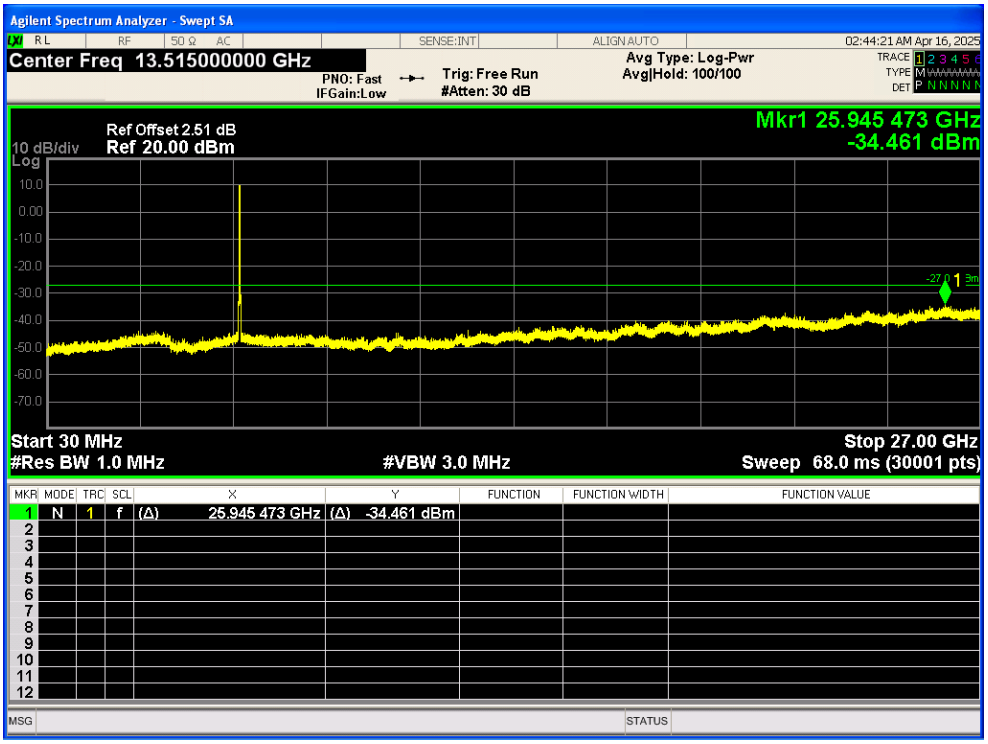
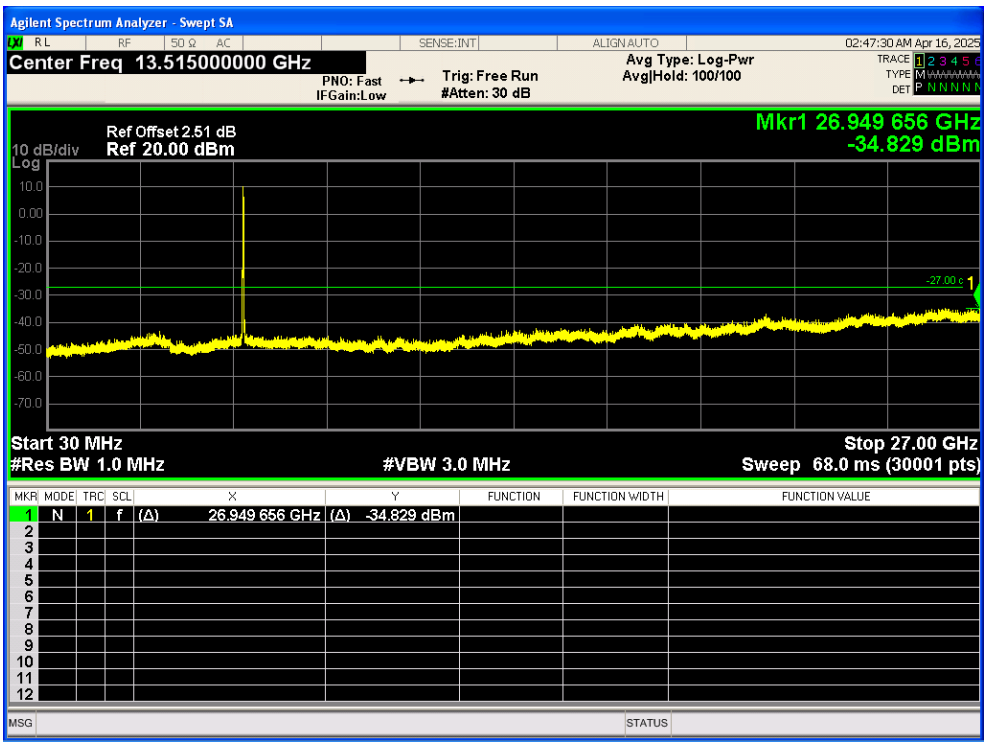
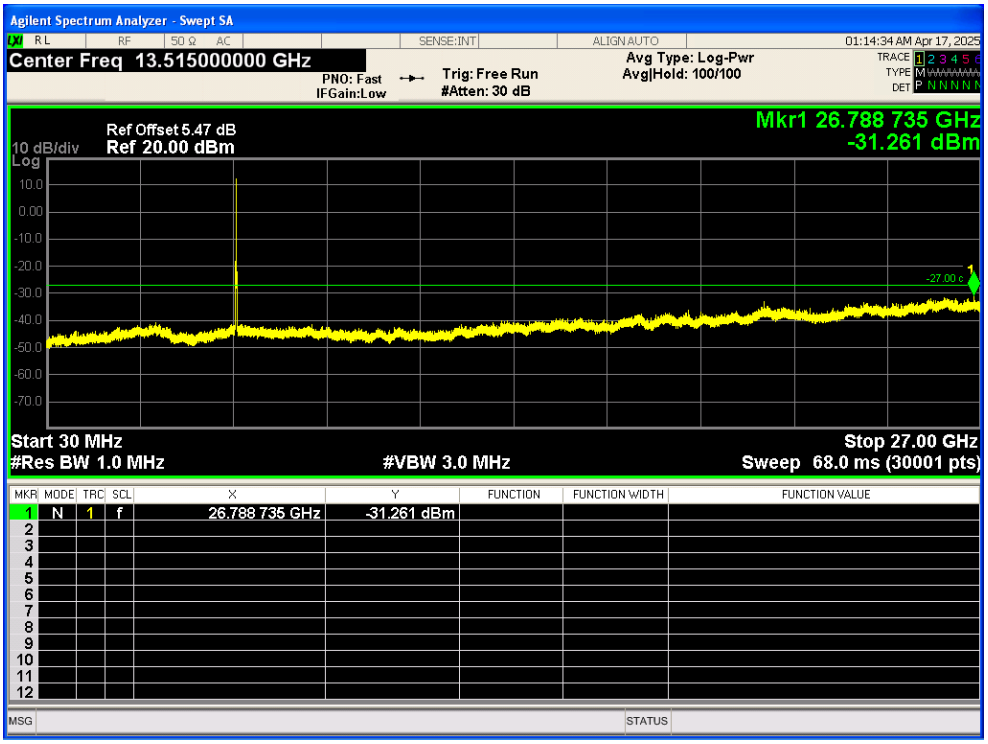


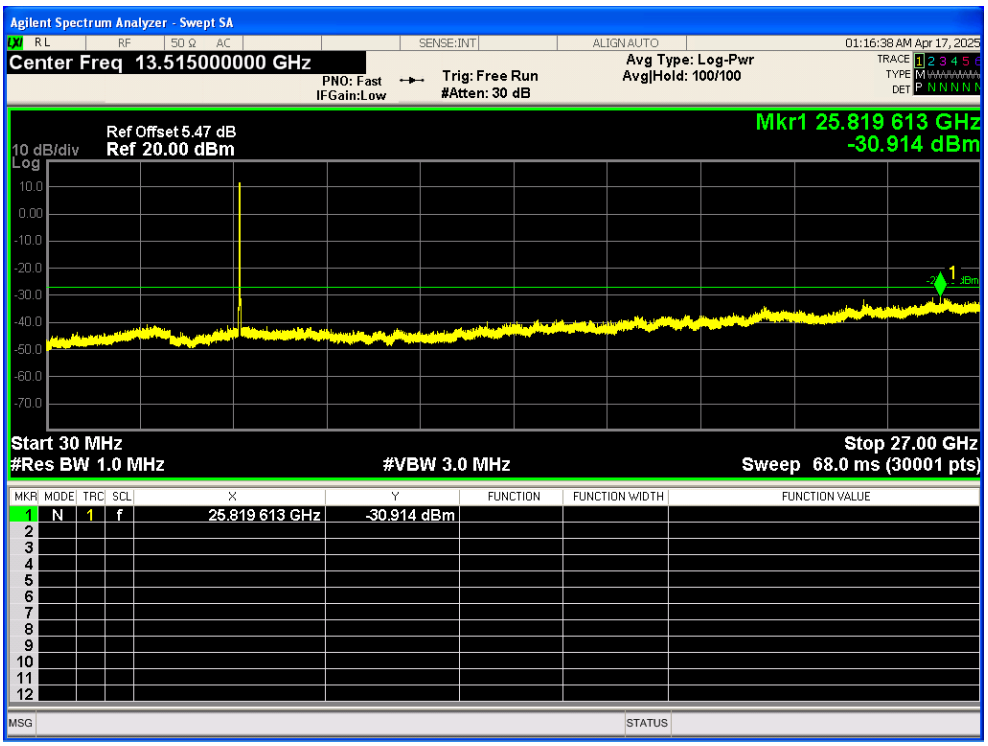
Tx. Spurious NVNT n20 5700MHz Ant1 Emission



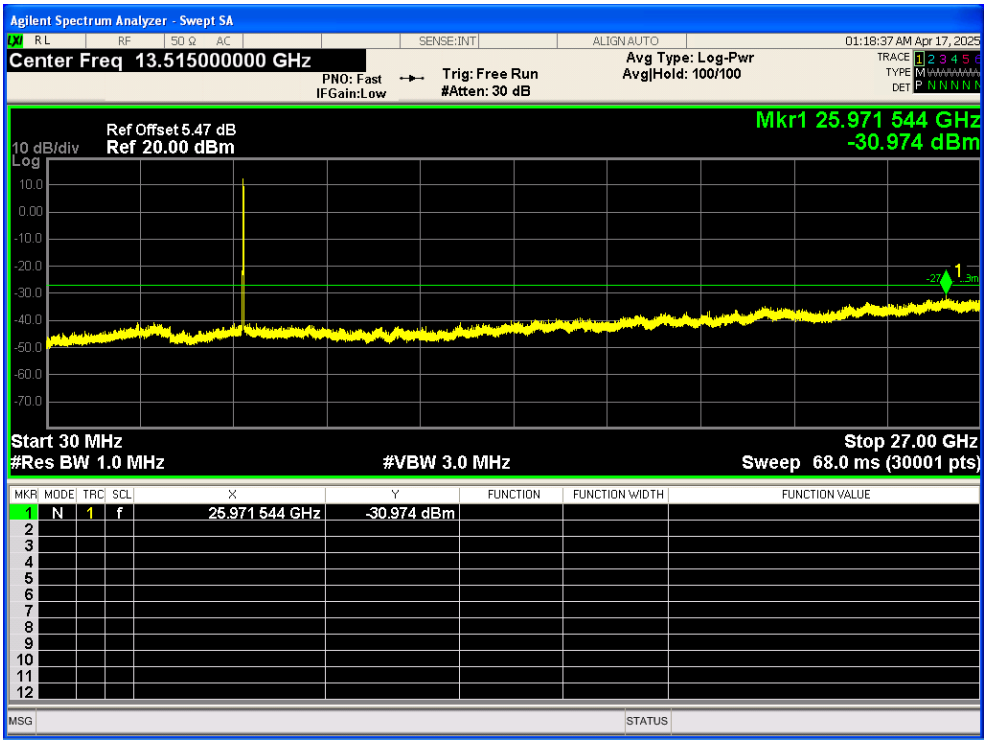
Tx. Spurious NVNT n20 5500MHz Ant2 Emission



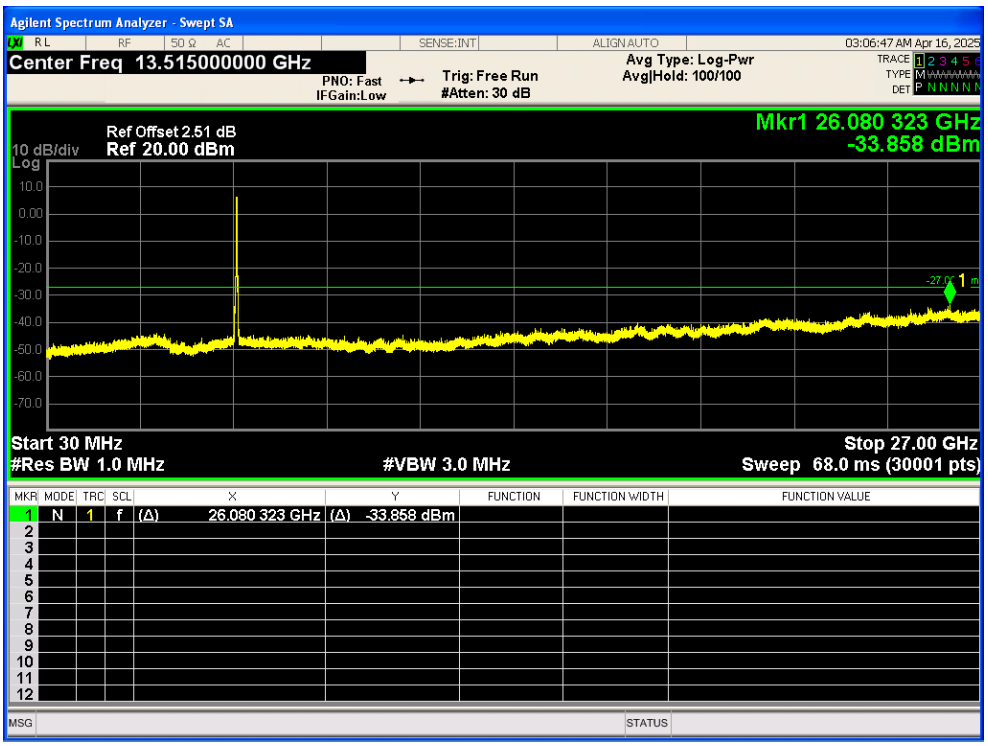
Tx. Spurious NVNT n20 5600MHz Ant2 Emission



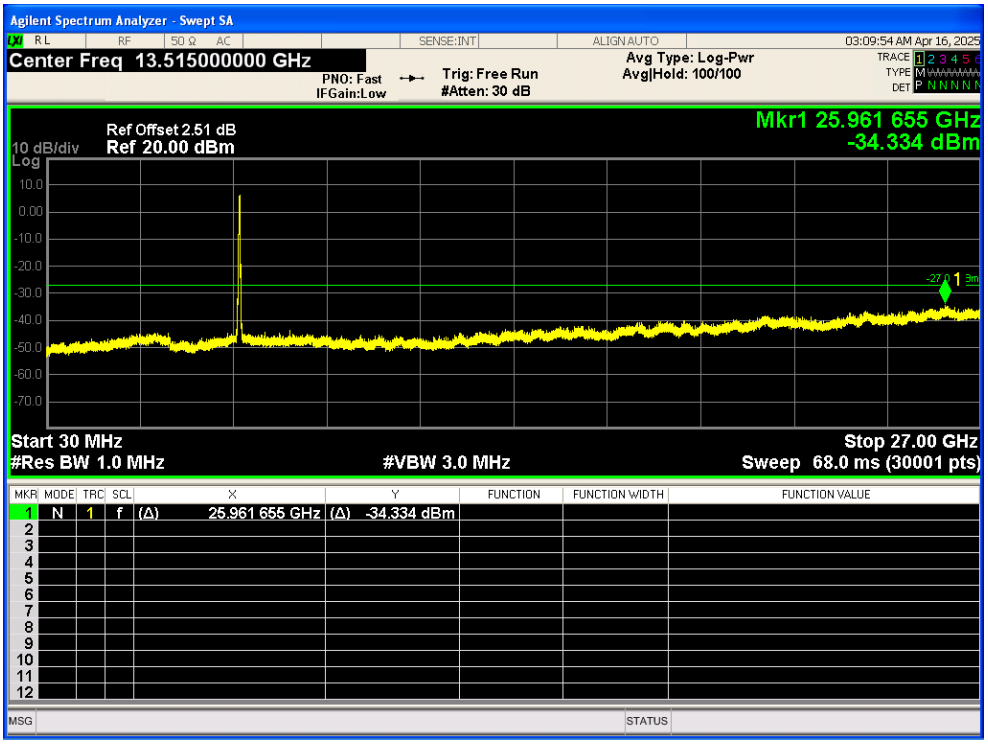
Tx. Spurious NVNT n20 5700MHz Ant2 Emission



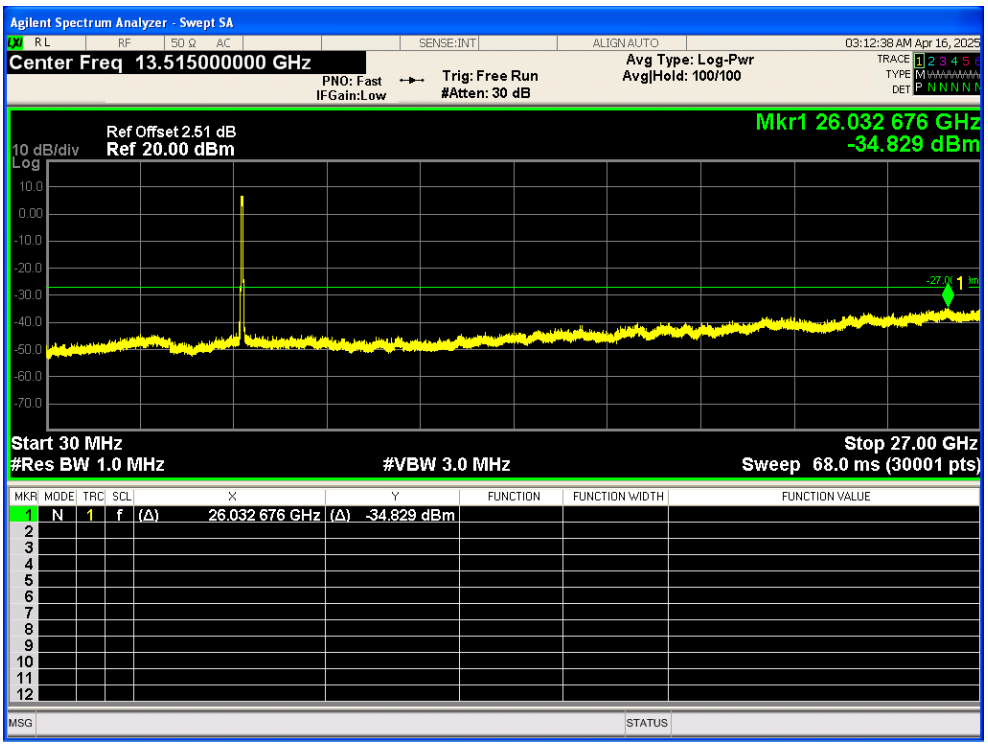
Tx. Spurious NVNT n40 5510MHz Ant1 Emission



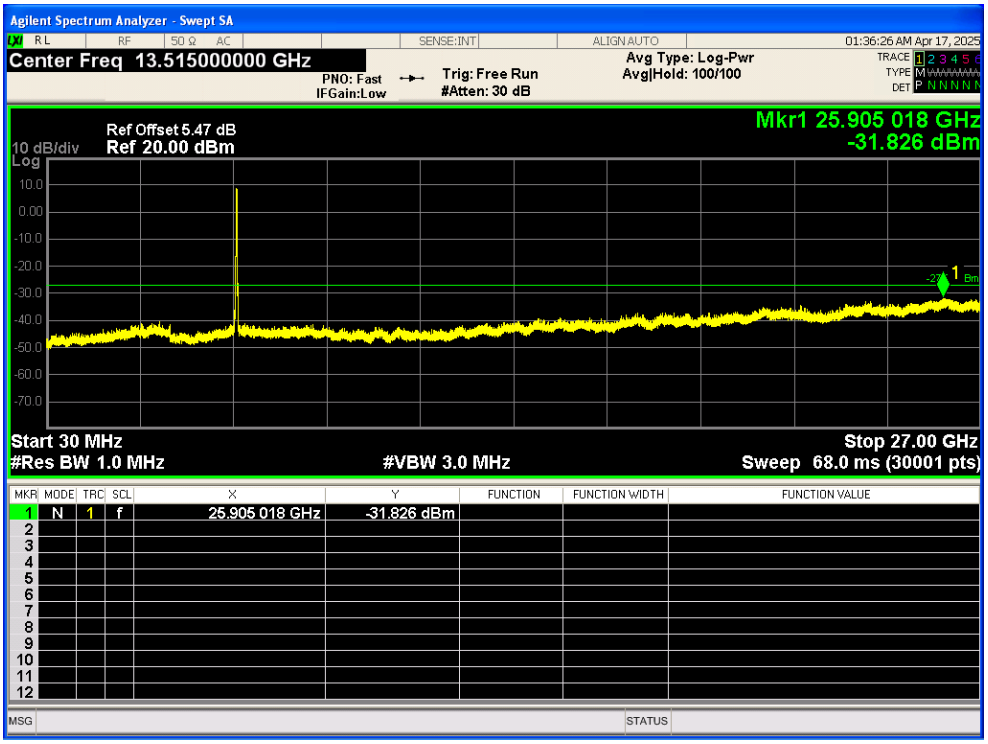
Tx. Spurious NVNT n40 5590MHz Ant1 Emission



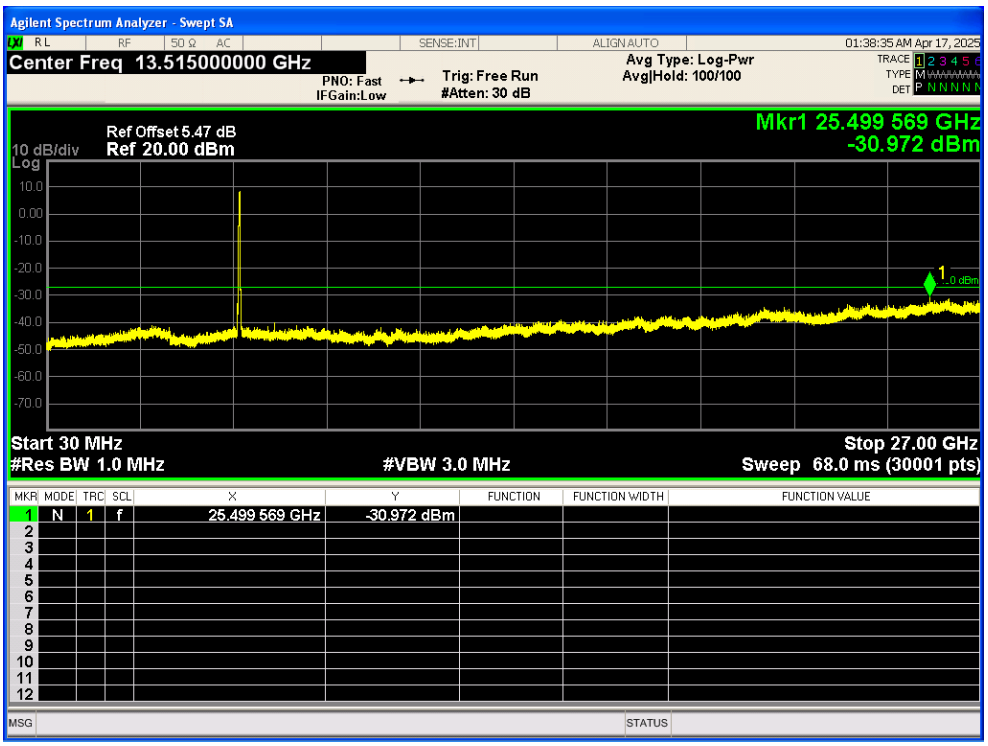
Tx. Spurious NVNT n40 5670MHz Ant1 Emission



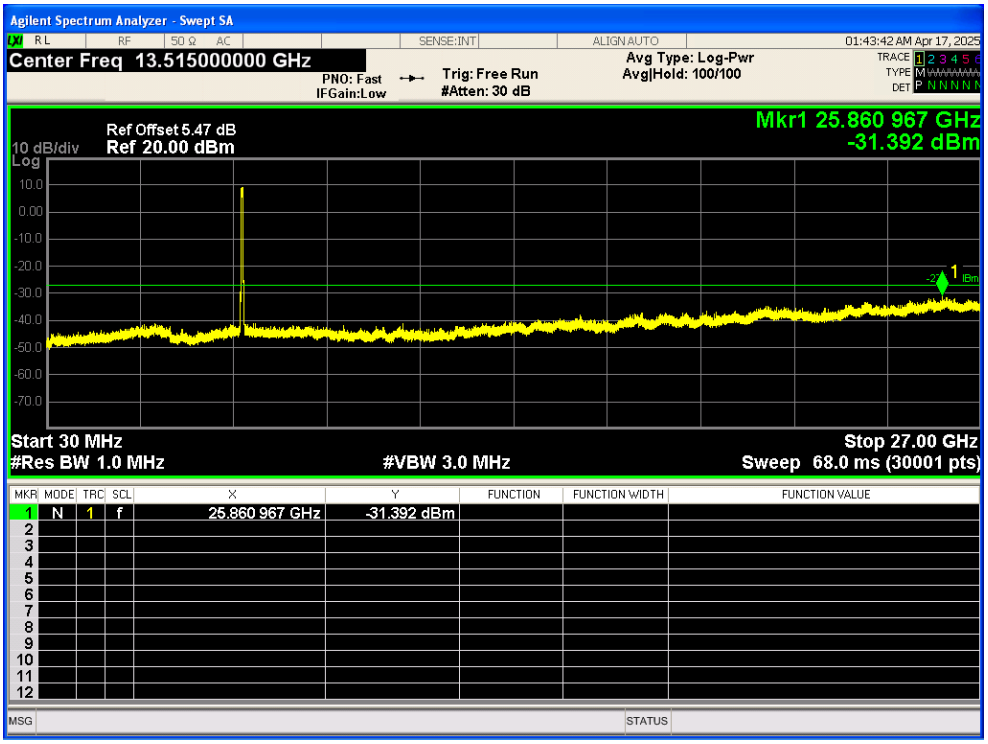
Tx. Spurious NVNT n40 5510MHz Ant2 Emission



Tx. Spurious NVNT n40 5590MHz Ant2 Emission



Tx. Spurious NVNT n40 5670MHz Ant2 Emission

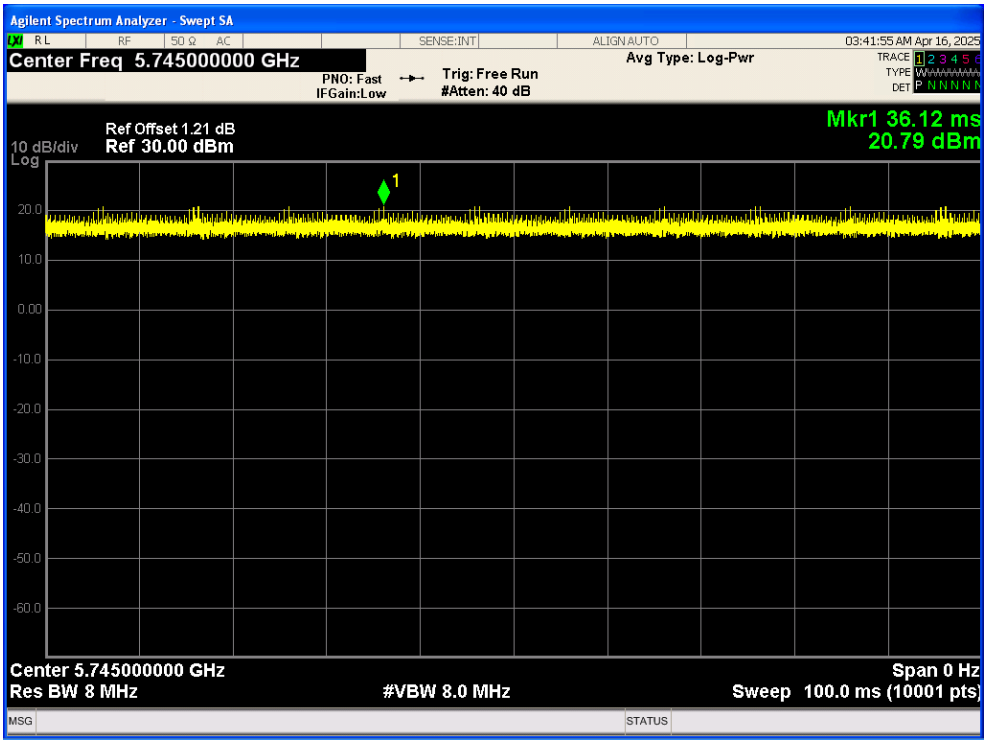

Agilent Spectrum Analyzer - Swept SA
Center Freq 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
01:43:42 AM Apr 17, 2025
Ref Offset 5.47 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 25.860 967 GHz
-31.392 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 GHz
Sweep 68.0 ms (30001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 25.860 967 GHz -31.392 dBm

5.8G WIFI

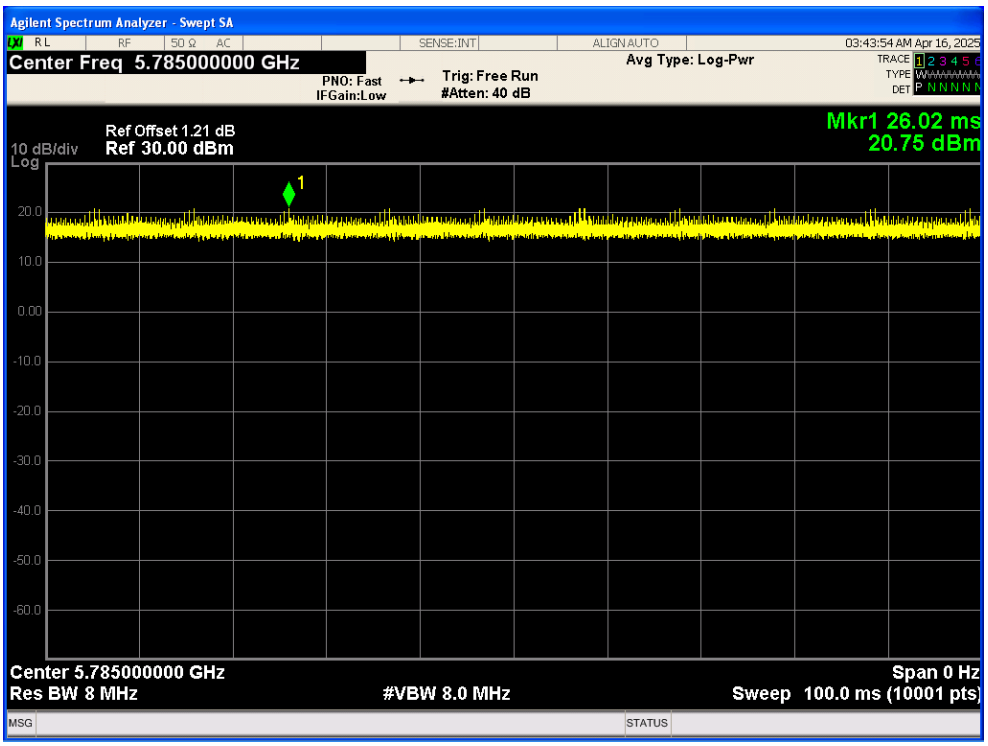
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	100	0
NVNT	a	5785	Ant1	100	0
NVNT	a	5825	Ant1	100	0
NVNT	a	5745	Ant2	100	0
NVNT	a	5785	Ant2	100	0
NVNT	a	5825	Ant2	100	0
NVNT	ac20	5745	Ant1	100	0
NVNT	ac20	5785	Ant1	100	0
NVNT	ac20	5825	Ant1	100	0
NVNT	ac20	5745	Ant2	100	0
NVNT	ac20	5785	Ant2	100	0
NVNT	ac20	5825	Ant2	100	0
NVNT	ac40	5755	Ant1	100	0
NVNT	ac40	5795	Ant1	100	0
NVNT	ac40	5755	Ant2	100	0
NVNT	ac40	5795	Ant2	100	0
NVNT	ac80	5775	Ant1	100	0
NVNT	ac80	5775	Ant2	100	0
NVNT	n20	5745	Ant1	100	0
NVNT	n20	5785	Ant1	100	0
NVNT	n20	5825	Ant1	100	0
NVNT	n20	5745	Ant2	100	0
NVNT	n20	5785	Ant2	100	0
NVNT	n20	5825	Ant2	100	0
NVNT	n40	5755	Ant1	100	0
NVNT	n40	5795	Ant1	100	0
NVNT	n40	5755	Ant2	100	0
NVNT	n40	5795	Ant2	100	0

Duty Cycle NVNT a 5745MHz Ant1



Duty Cycle NVNT a 5785MHz Ant1



Duty Cycle NVNT a 5825MHz Ant1