

Duty Cycle

Condition	Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Max Variation (%)
NVNT	a	5500	1	1.048	95.42	0.2	1	0.24
NVNT	a	5580	1	1.048	95.42	0.2	1	0.21
NVNT	a	5700	1	1.048	95.42	0.2	1	0.22
NVNT	n20	5500	1	1.048	95.42	0.2	1	0.23
NVNT	n20	5580	1	1.048	95.42	0.2	1	0.27
NVNT	n20	5700	1	1.048	95.42	0.2	1	0.23
NVNT	n40	5510	0.996	1.046	95.22	0.21	1	0.22
NVNT	n40	5550	0.996	1.044	95.4	0.2	1	0.20
NVNT	n40	5670	0.996	1.044	95.4	0.2	1	0.21
NVNT	ac20	5500	0.992	1.04	95.38	0.21	1.01	0.21
NVNT	ac20	5580	0.992	1.04	95.38	0.21	1.01	0.21
NVNT	ac20	5700	0.992	1.042	95.2	0.21	1.01	0.23
NVNT	ac40	5510	0.984	1.034	95.16	0.22	1.02	0.20
NVNT	ac40	5550	0.986	1.034	95.36	0.21	1.01	0.24
NVNT	ac40	5670	0.986	1.034	95.36	0.21	1.01	0.22
NVNT	ac80	5530	0.972	1.02	95.29	0.21	1.03	0.23
NVNT	ac80	5610	0.972	1.02	95.29	0.21	1.03	0.28
NVNT	ax20	5500	1.006	1.054	95.45	0.2	0.99	0.26
NVNT	ax20	5580	1.006	1.054	95.45	0.2	0.99	0.38
NVNT	ax20	5700	1.006	1.054	95.45	0.2	0.99	0.25
NVNT	ax40	5510	0.98	1.028	95.33	0.21	1.02	0.37
NVNT	ax40	5550	0.978	1.028	95.14	0.22	1.02	0.22
NVNT	ax40	5670	0.978	1.026	95.32	0.21	1.02	0.25
NVNT	ax80	5530	0.978	1.026	95.32	0.21	1.02	0.22
NVNT	ax80	5610	0.978	1.026	95.32	0.21	1.02	0.24

Duty Cycle NVNT a 5700MHz

Duty Cycle NVNT n20 5580MHz

Report No.: STS2511001W10_Appendix 5G WIFI U-NII-2C

Duty Cycle NVNT n40 5670MHz

Duty Cycle NVNT ac20 5580MHz

Duty Cycle NVNT ac40 5510MHz

Duty Cycle NVNT ac40 5670MHz

[illegible]

Duty Cycle NVNT ax20 5500MHz

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.500000000 GHz

Ref Offset 5.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 594.0 μ s
15.20 dBm

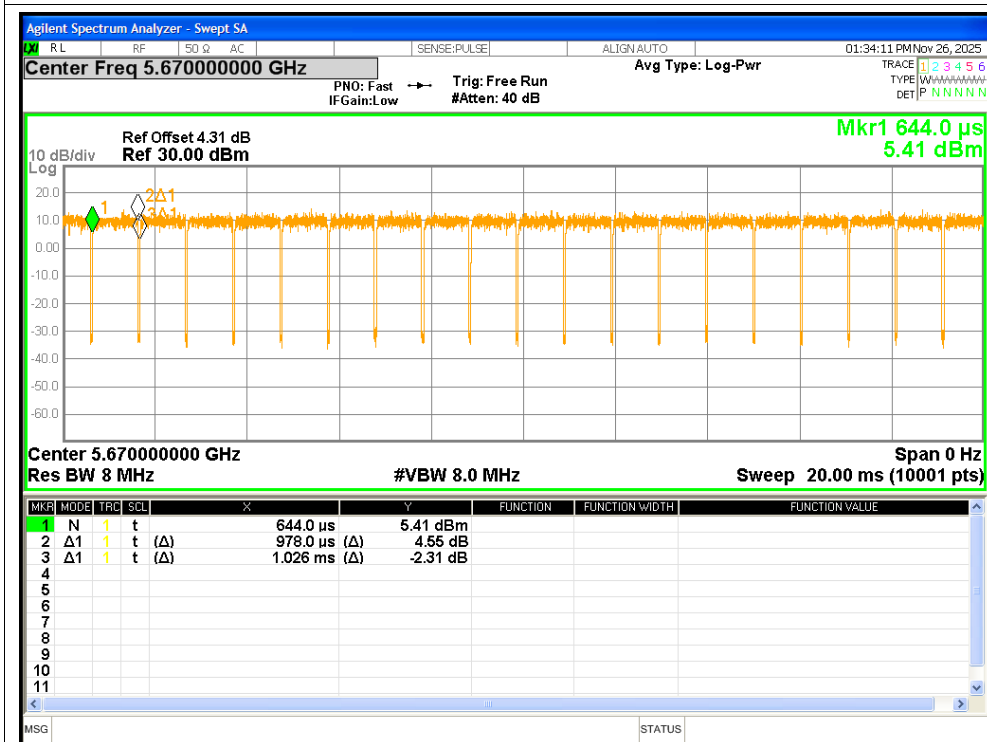
Center 5.500000000 GHz
Res BW 8 MHz
Span 0 Hz
#VBW 8.0 MHz
Sweep 20.00 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	594.0 μ s	15.20 dBm			
2	Δ 1	1	t	(Δ)	1.006 ms (Δ)			-22.55 dB
3	Δ 1	1	t	(Δ)	1.054 ms (Δ)			-0.13 dB

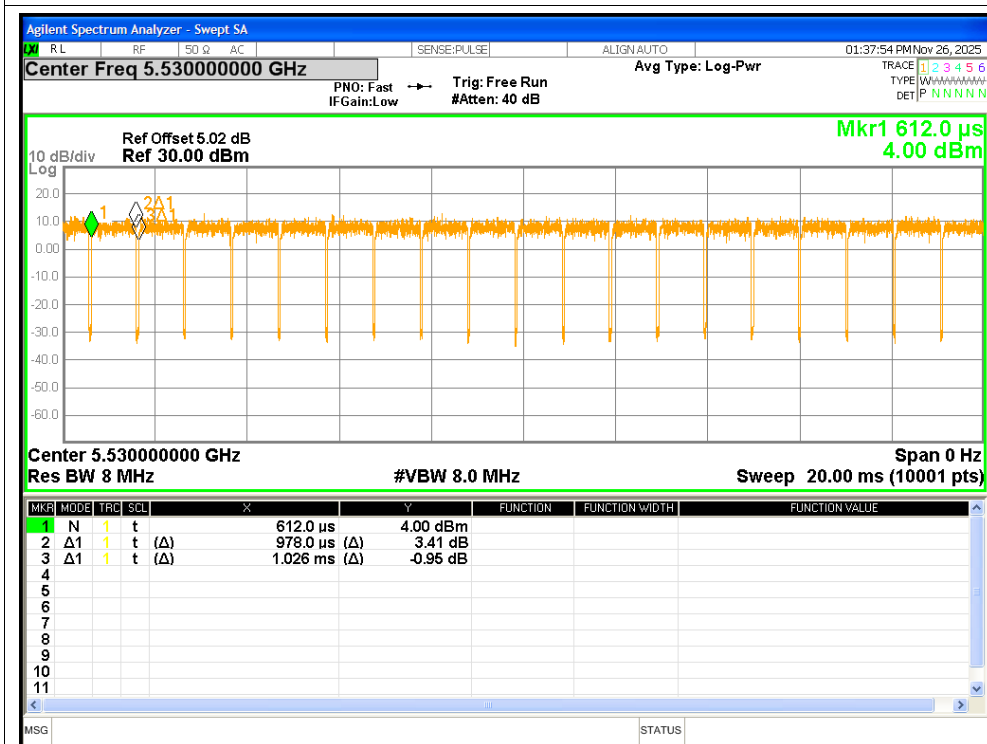
Duty Cycle NVNT ax20 5580MHz

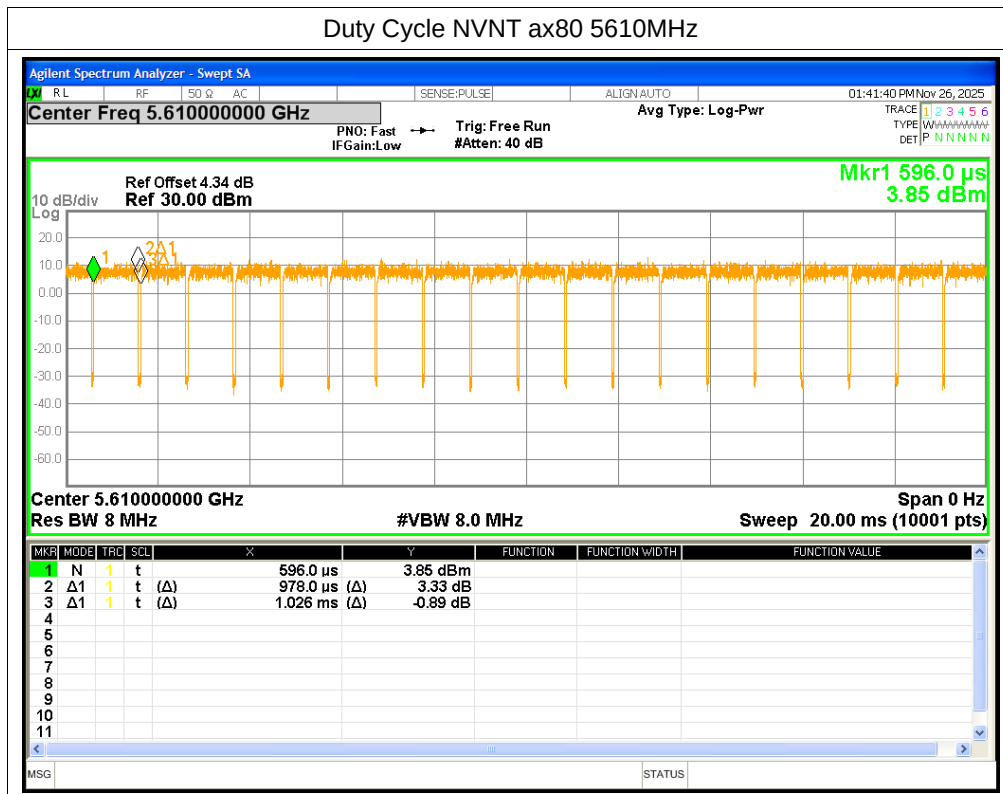
Duty Cycle NVNT ax40 5510MHz

Duty Cycle NVNT ax40 5670MHz



Duty Cycle NVNT ax80 5530MHz



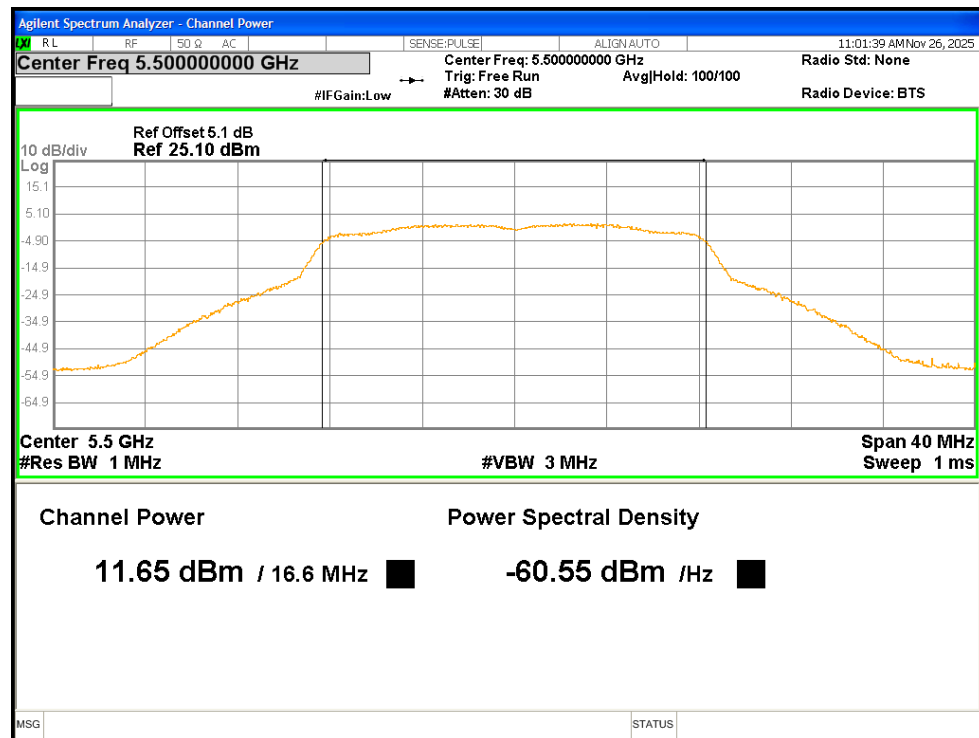


Maximum Conducted Output Power

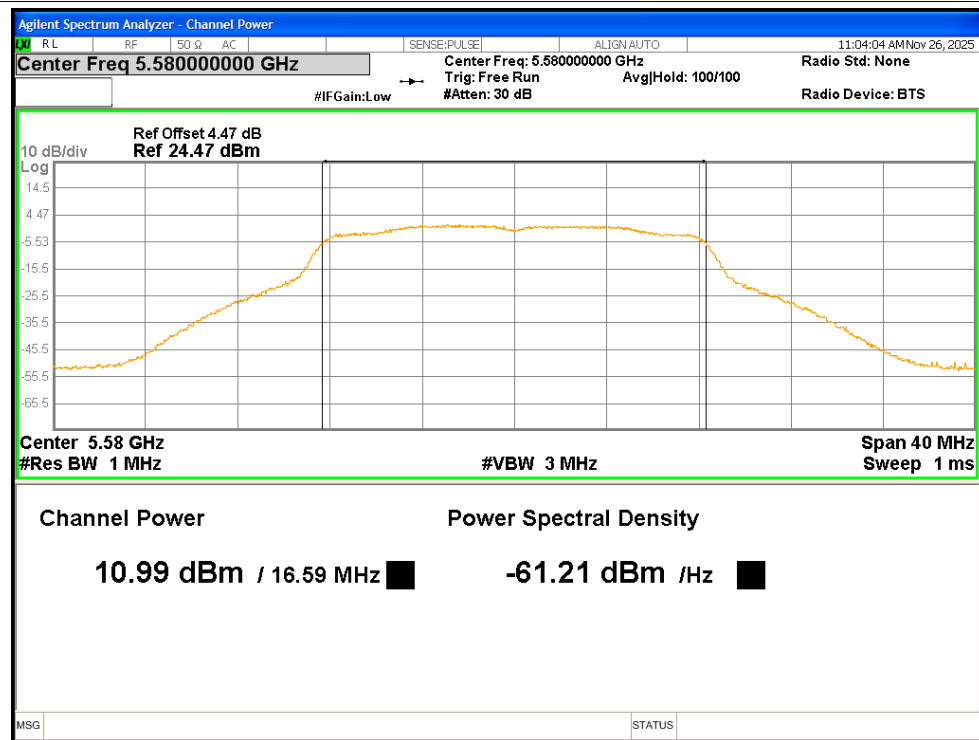
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	11.65	0.2	11.85	<=24	Pass
NVNT	a	5580	10.99	0.2	11.19	<=24	Pass
NVNT	a	5700	11.41	0.2	11.61	<=24	Pass
NVNT	n20	5500	12.7	0.2	12.9	<=24	Pass
NVNT	n20	5580	12.43	0.2	12.63	<=24	Pass
NVNT	n20	5700	12.18	0.2	12.38	<=24	Pass
NVNT	n40	5510	12.25	0.2	12.45	<=24	Pass
NVNT	n40	5550	12.24	0.2	12.44	<=24	Pass
NVNT	n40	5670	11.94	0.2	12.14	<=24	Pass
NVNT	ac20	5500	11.72	0.21	11.93	<=24	Pass
NVNT	ac20	5580	11.23	0.21	11.44	<=24	Pass
NVNT	ac20	5700	11.96	0.21	12.17	<=24	Pass
NVNT	ac40	5510	12.17	0.22	12.39	<=24	Pass
NVNT	ac40	5550	11.52	0.21	11.73	<=24	Pass
NVNT	ac40	5670	11.14	0.21	11.35	<=24	Pass
NVNT	ac80	5530	12.01	0.21	12.22	<=24	Pass
NVNT	ac80	5610	11.04	0.21	11.25	<=24	Pass
NVNT	ax20	5500	11.78	0.2	11.98	<=24	Pass
NVNT	ax20	5580	11.31	0.2	11.51	<=24	Pass
NVNT	ax20	5700	10.82	0.2	11.02	<=24	Pass
NVNT	ax40	5510	12	0.21	12.21	<=24	Pass
NVNT	ax40	5550	11.2	0.22	11.42	<=24	Pass
NVNT	ax40	5670	11.02	0.21	11.23	<=24	Pass
NVNT	ax80	5530	11.81	0.21	12.02	<=24	Pass
NVNT	ax80	5610	11.6	0.21	11.81	<=24	Pass

Test Graphs

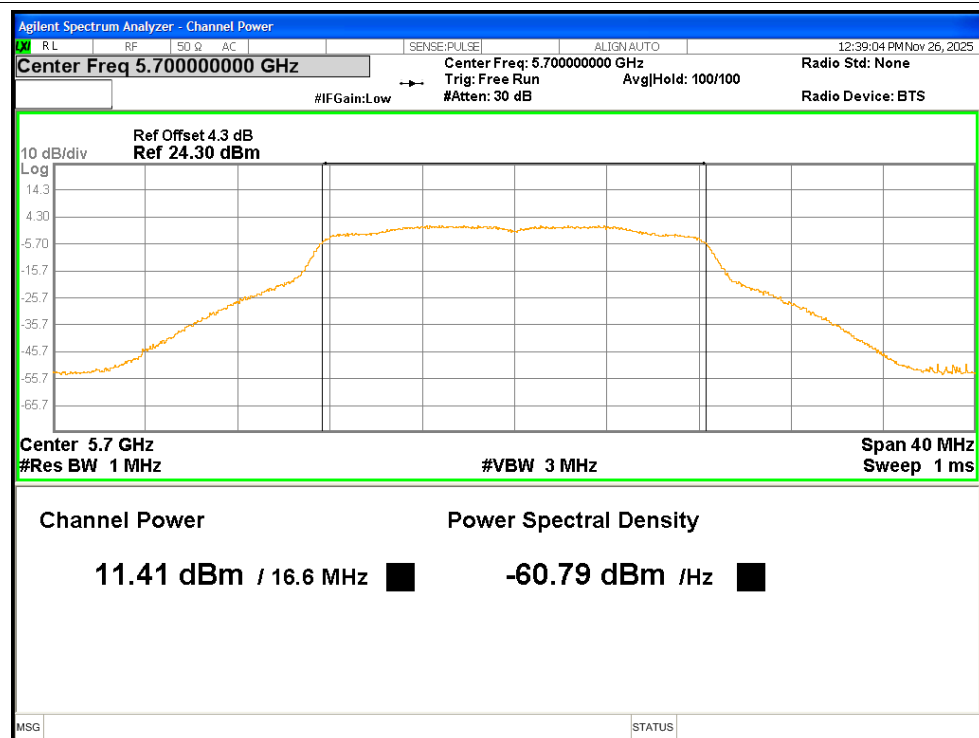
Power NVNT a 5500MHz



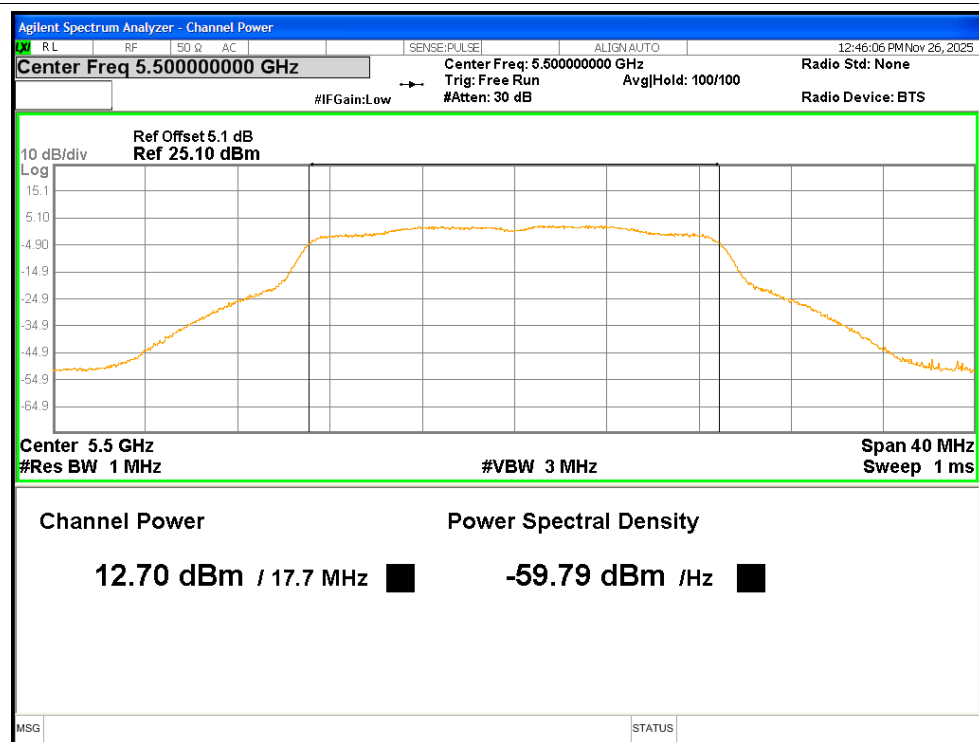
Power NVNT a 5580MHz



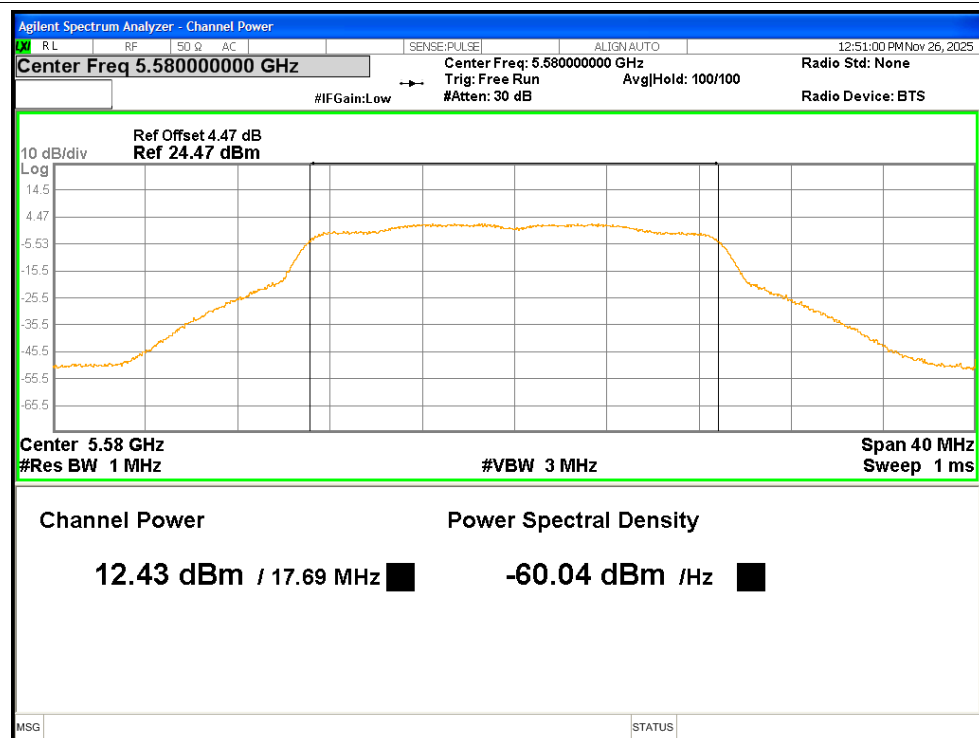
Power NVNT a 5700MHz



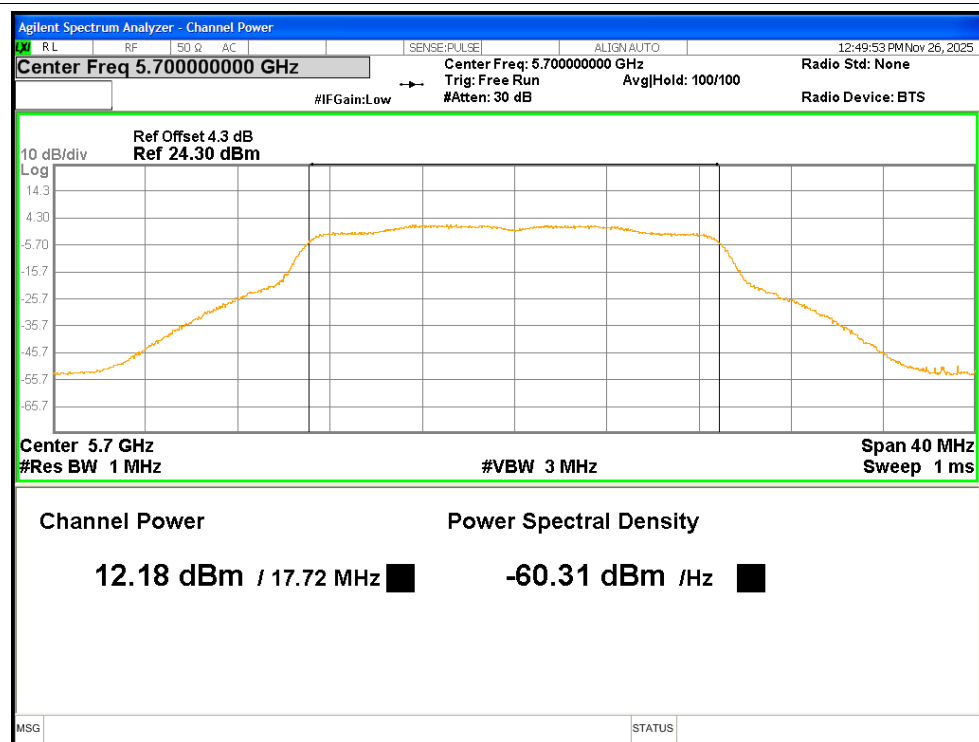
Power NVNT n20 5500MHz



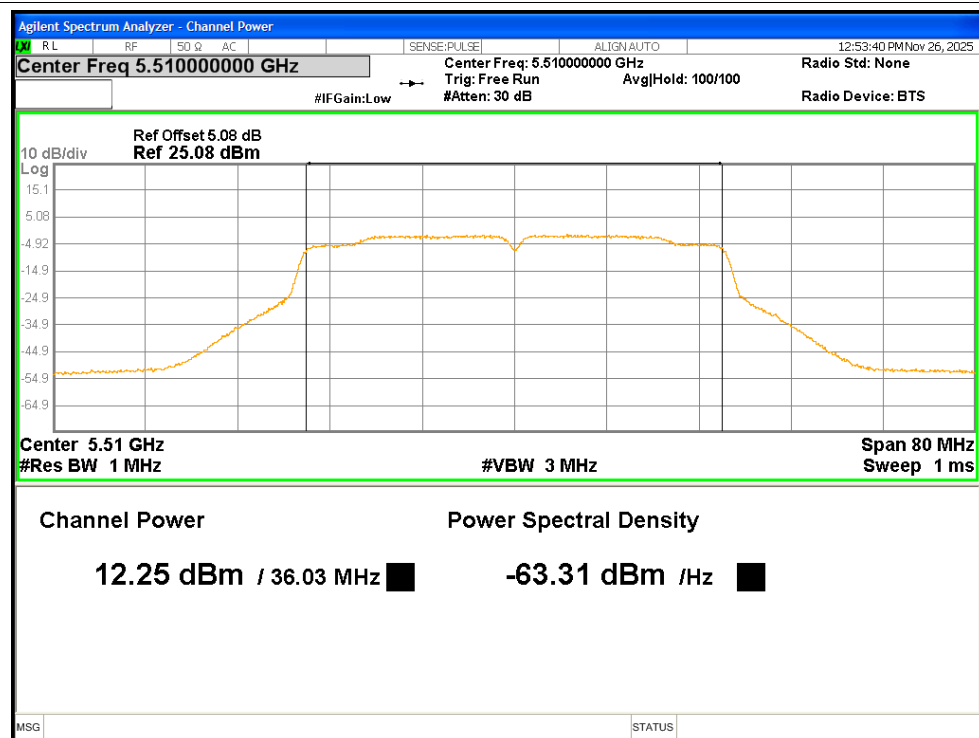
Power NVNT n20 5580MHz



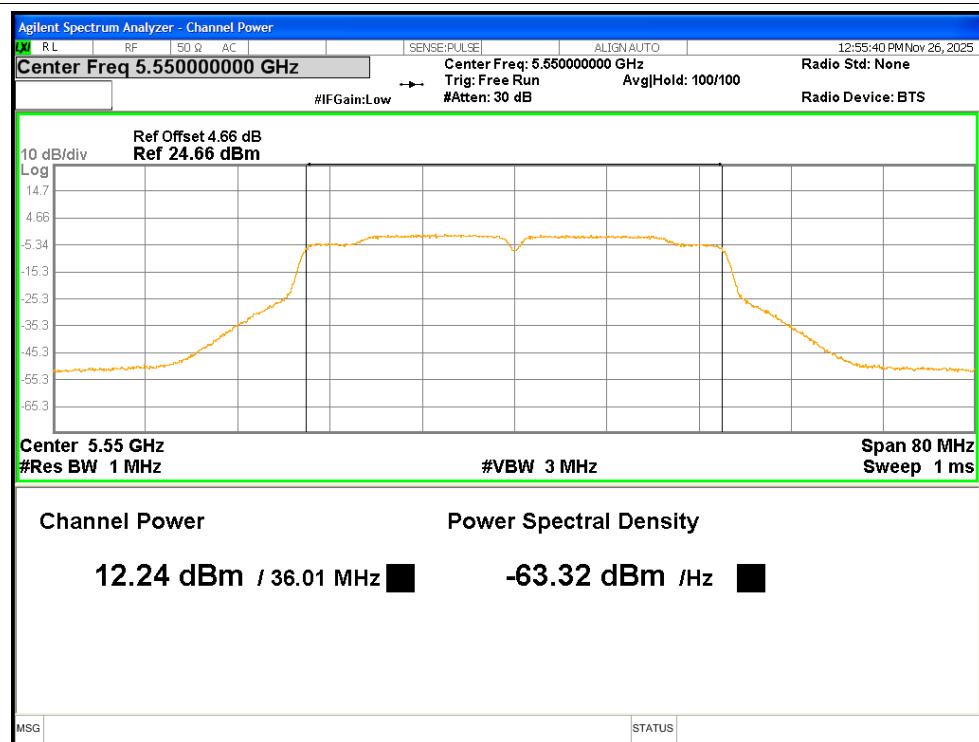
Power NVNT n20 5700MHz



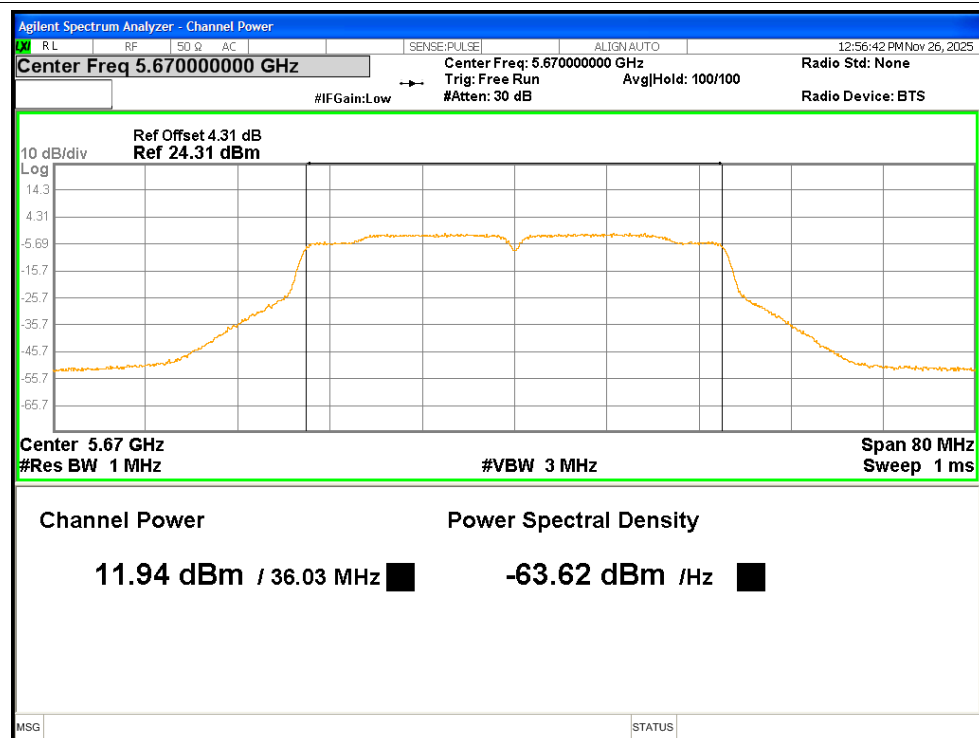
Power NVNT n40 5510MHz



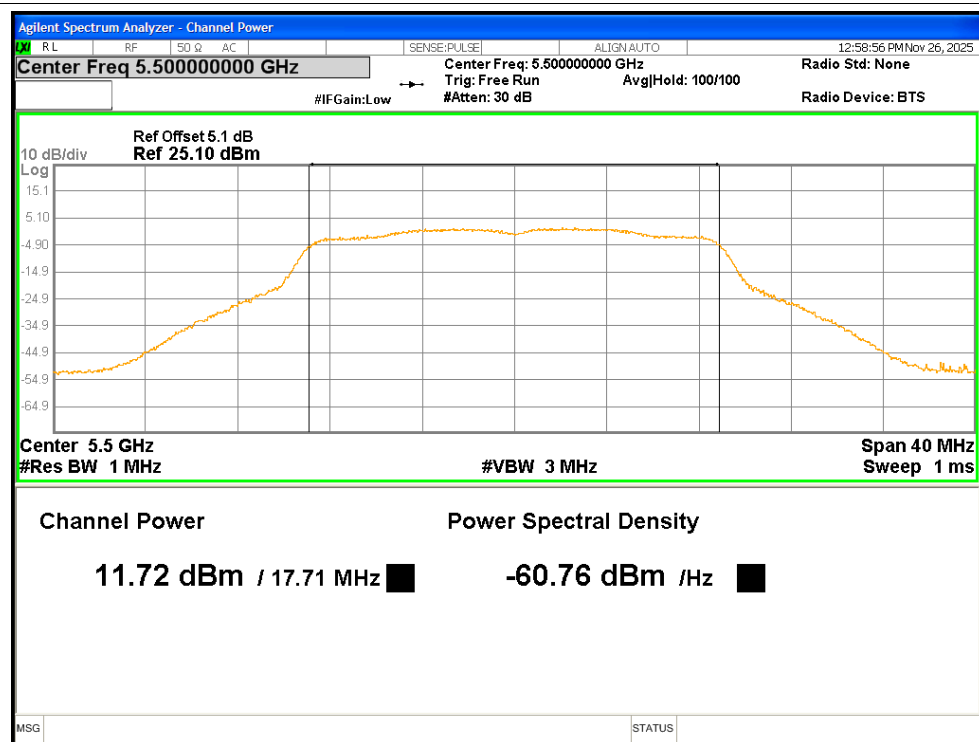
Power NVNT n40 5550MHz



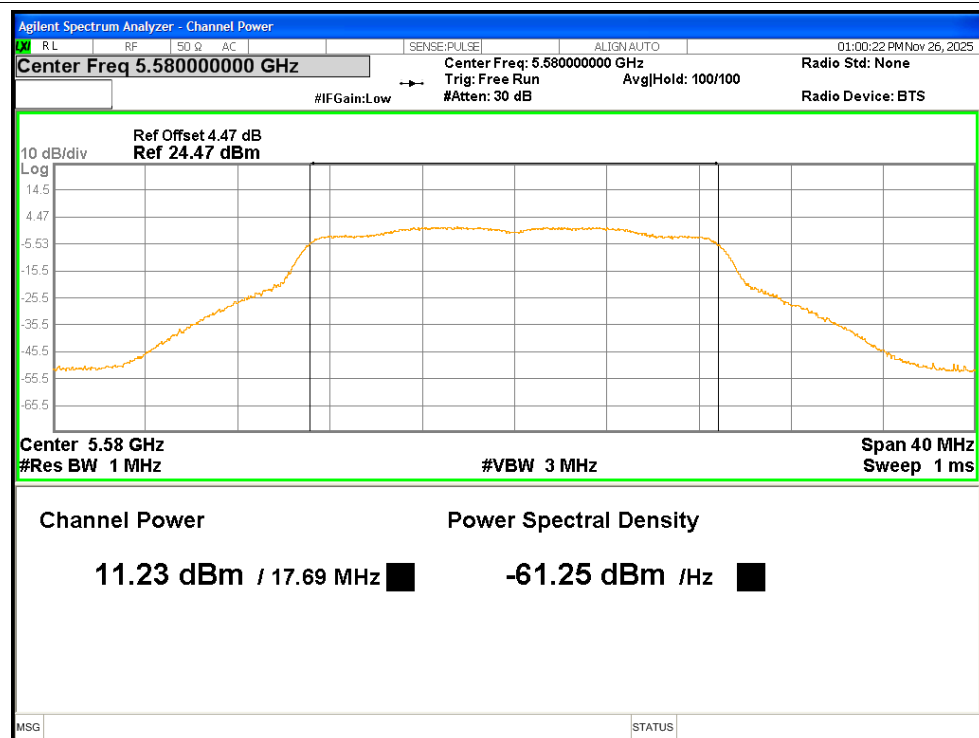
Power NVNT n40 5670MHz



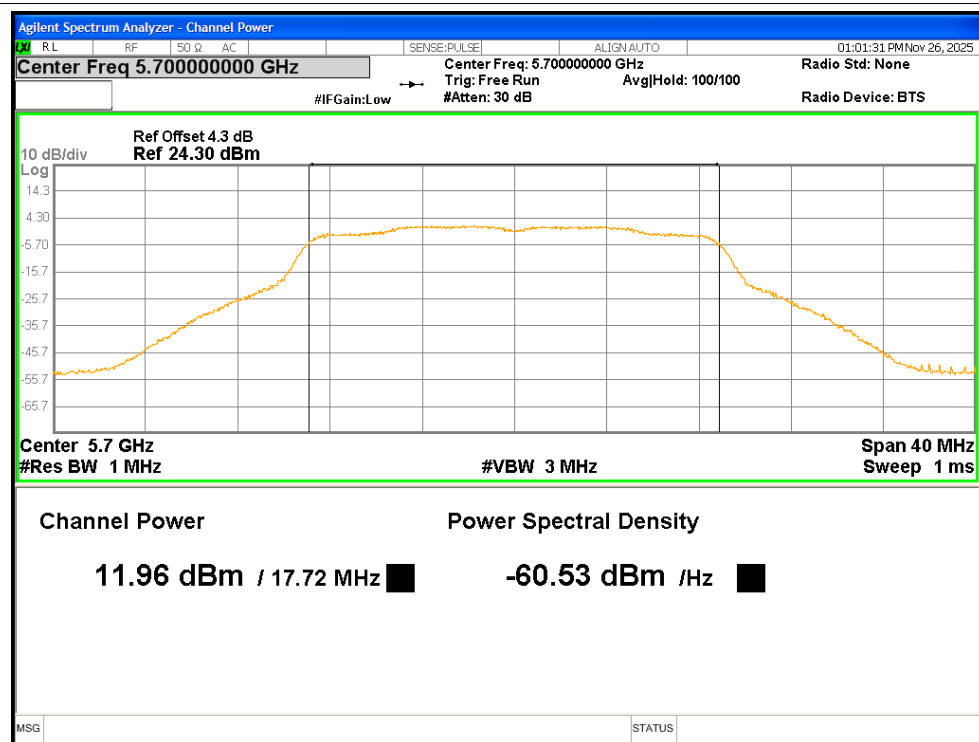
Power NVNT ac20 5500MHz



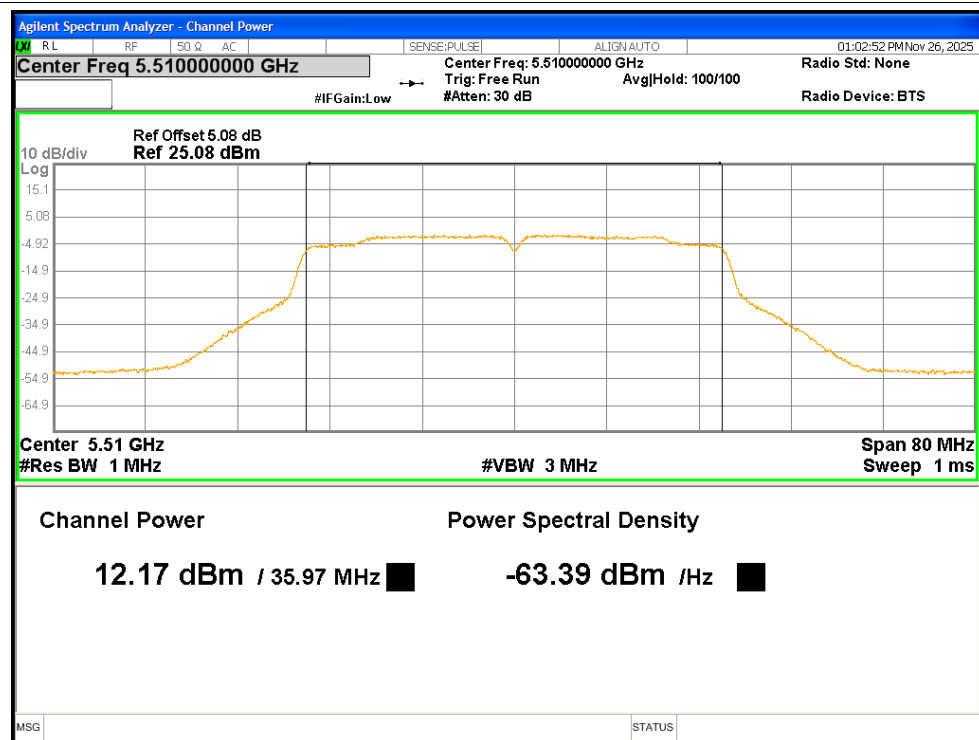
Power NVNT ac20 5580MHz



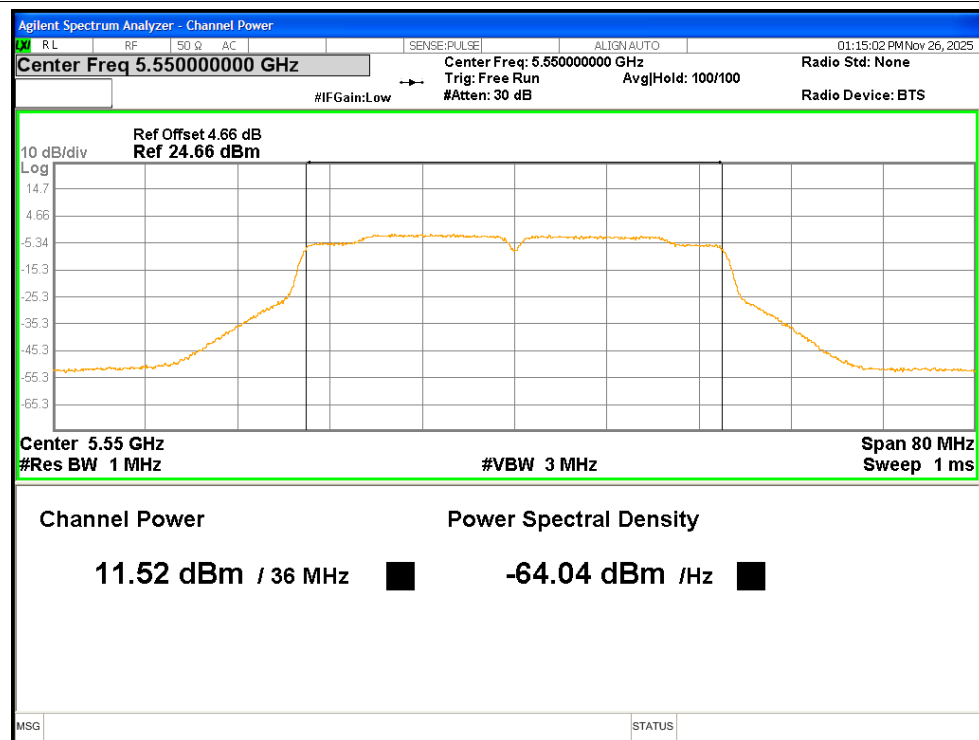
Power NVNT ac20 5700MHz



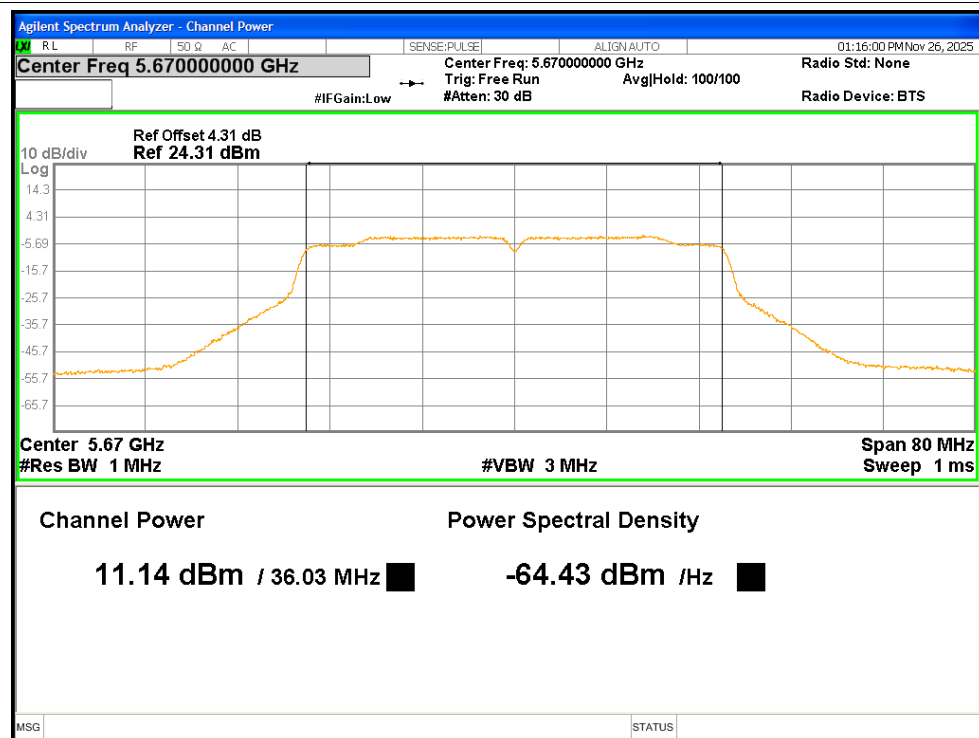
Power NVNT ac40 5510MHz



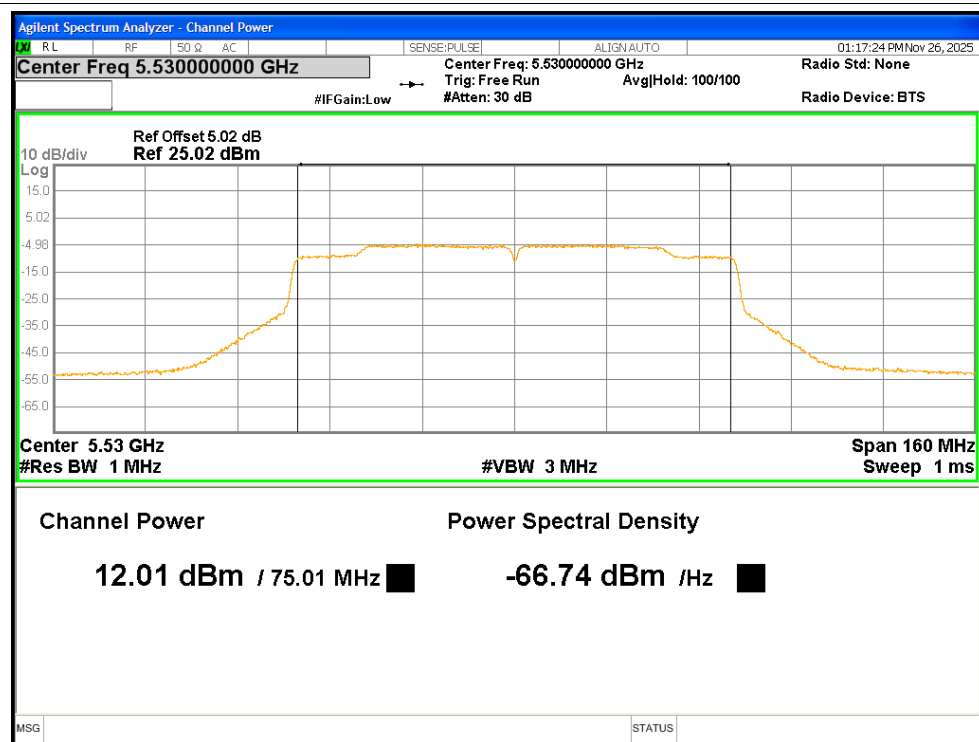
Power NVNT ac40 5550MHz



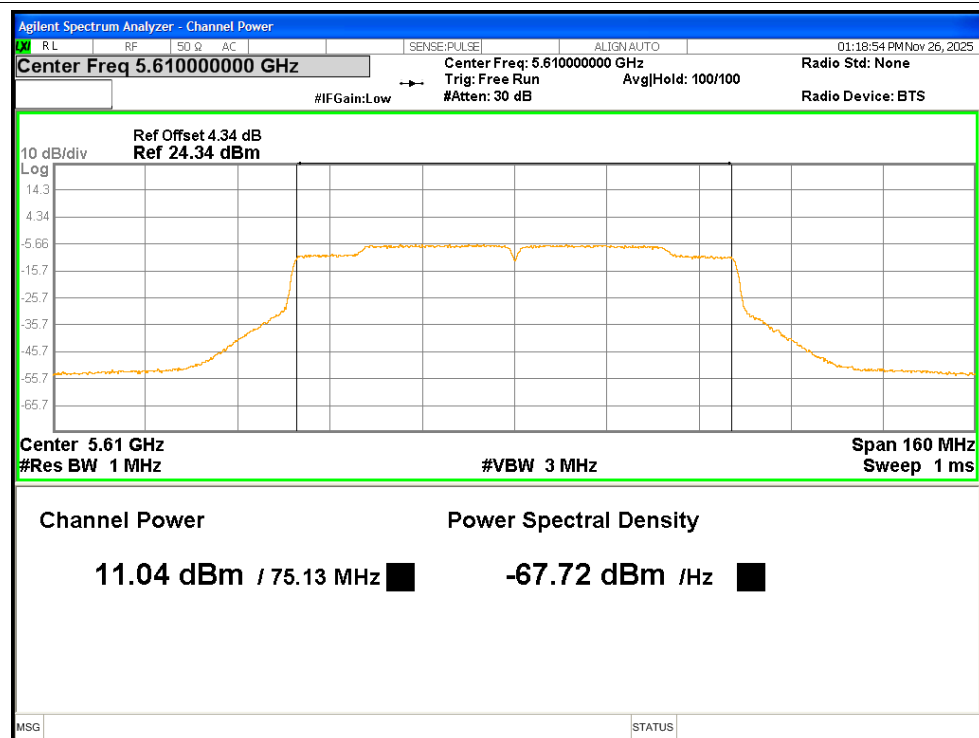
Power NVNT ac40 5670MHz



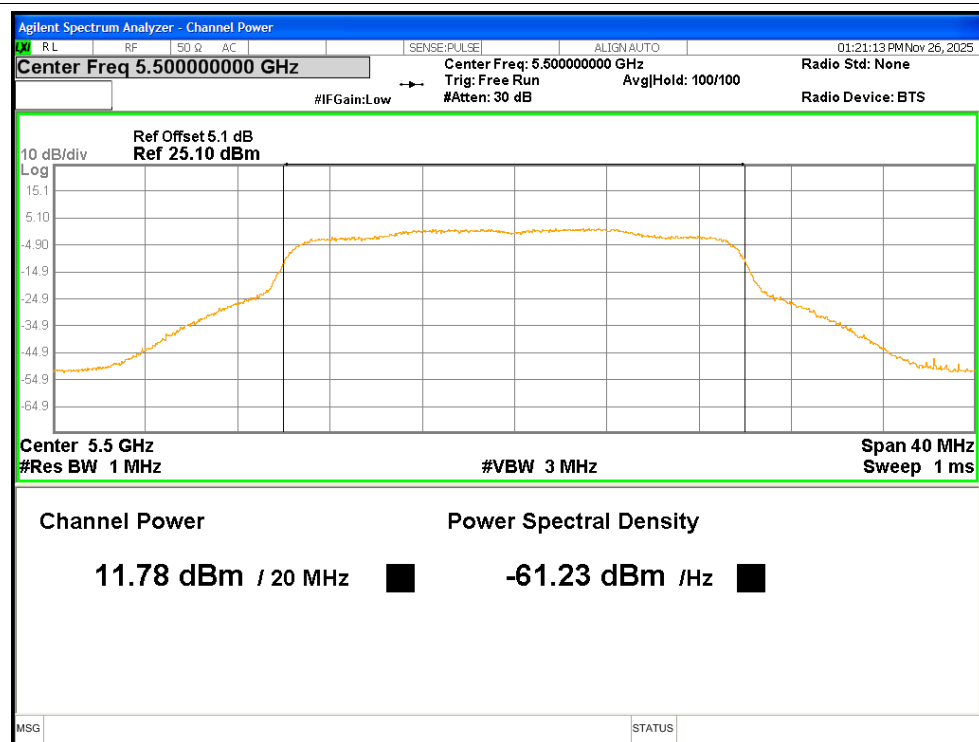
Power NVNT ac80 5530MHz



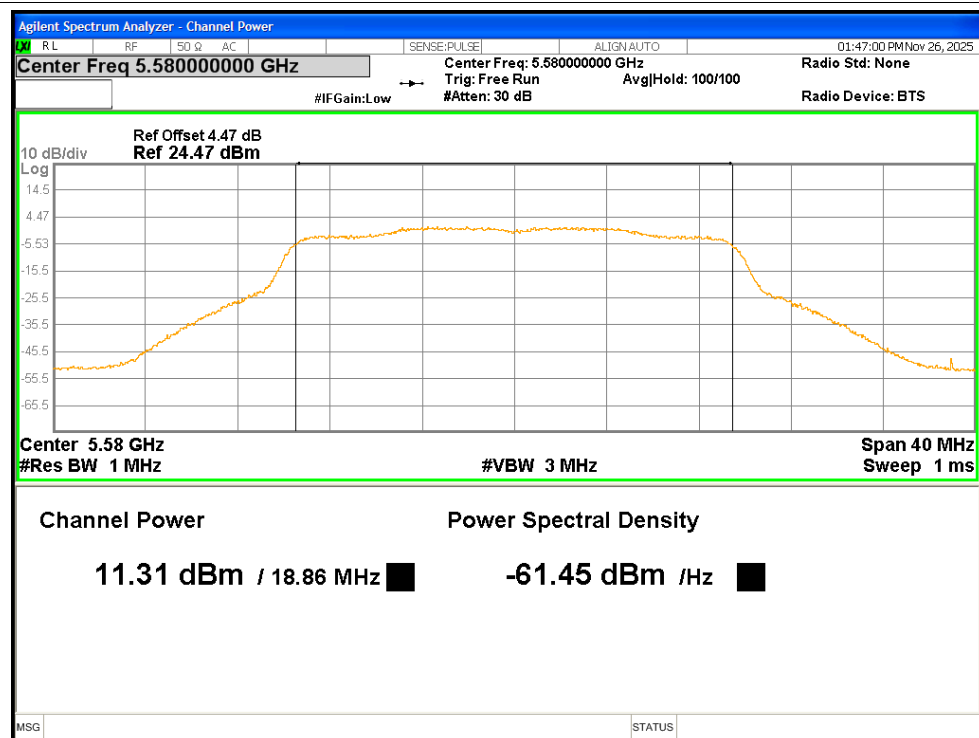
Power NVNT ac80 5610MHz



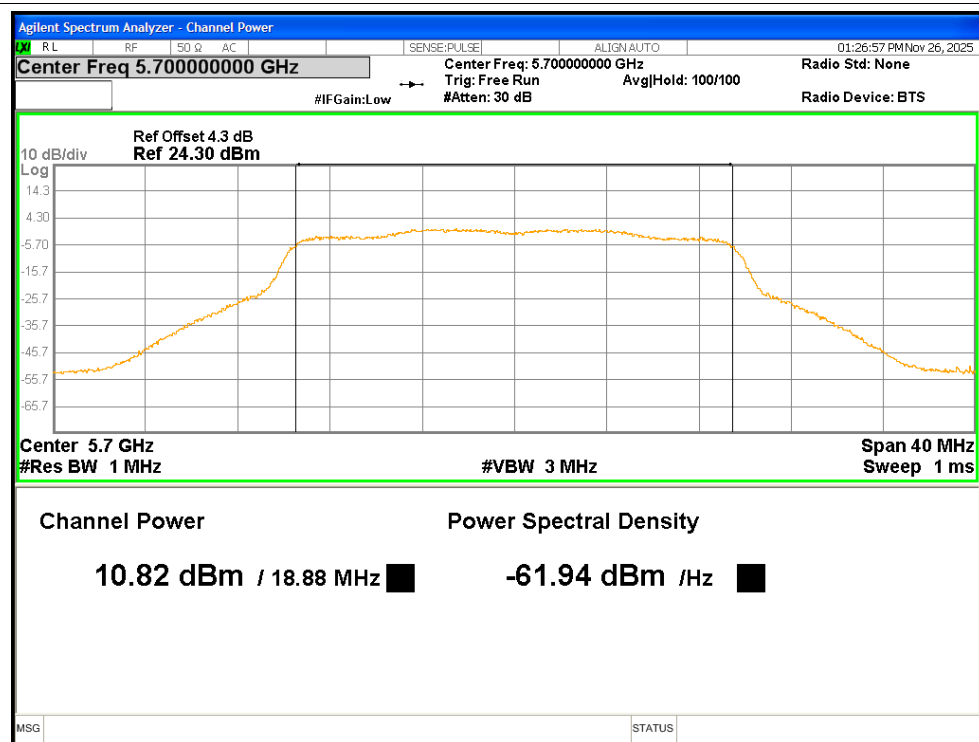
Power NVNT ax20 5500MHz



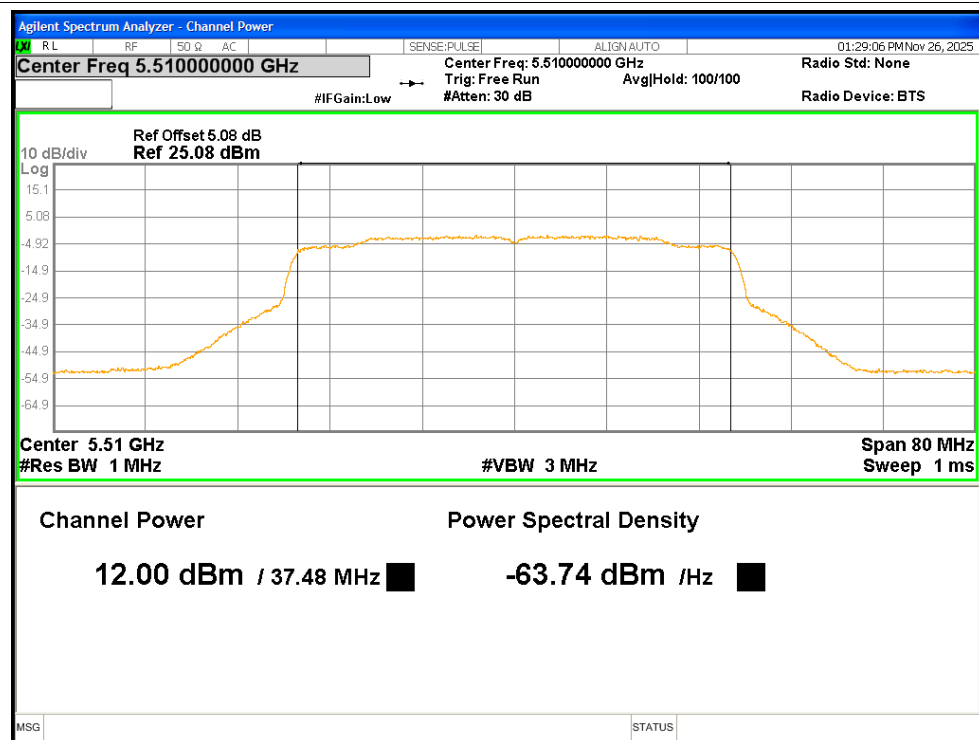
Power NVNT ax20 5580MHz



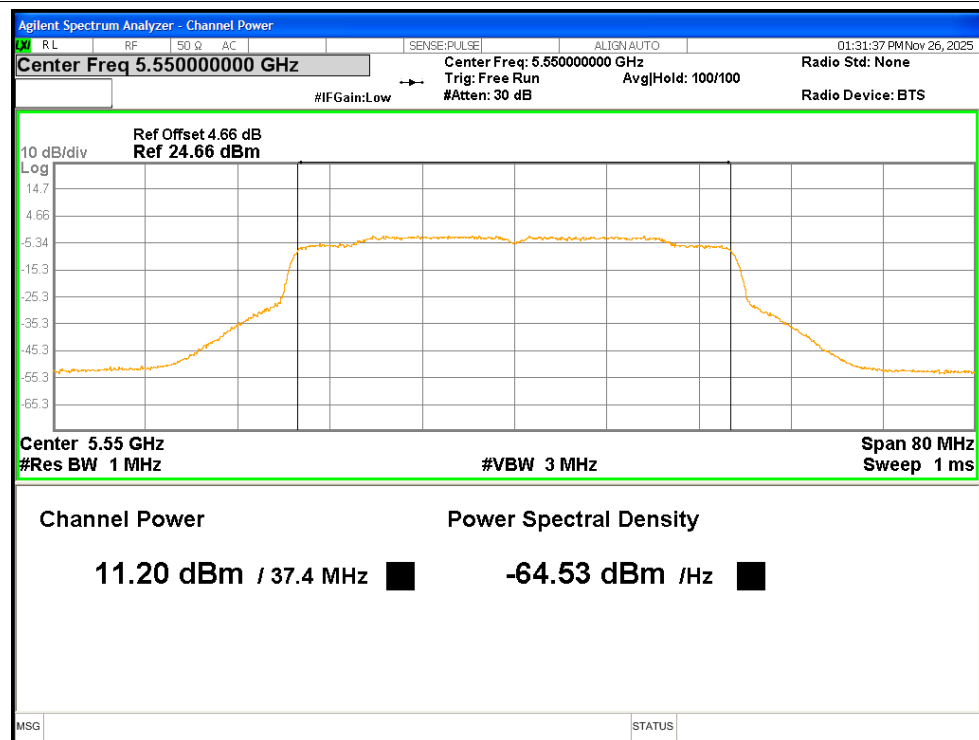
Power NVNT ax20 5700MHz



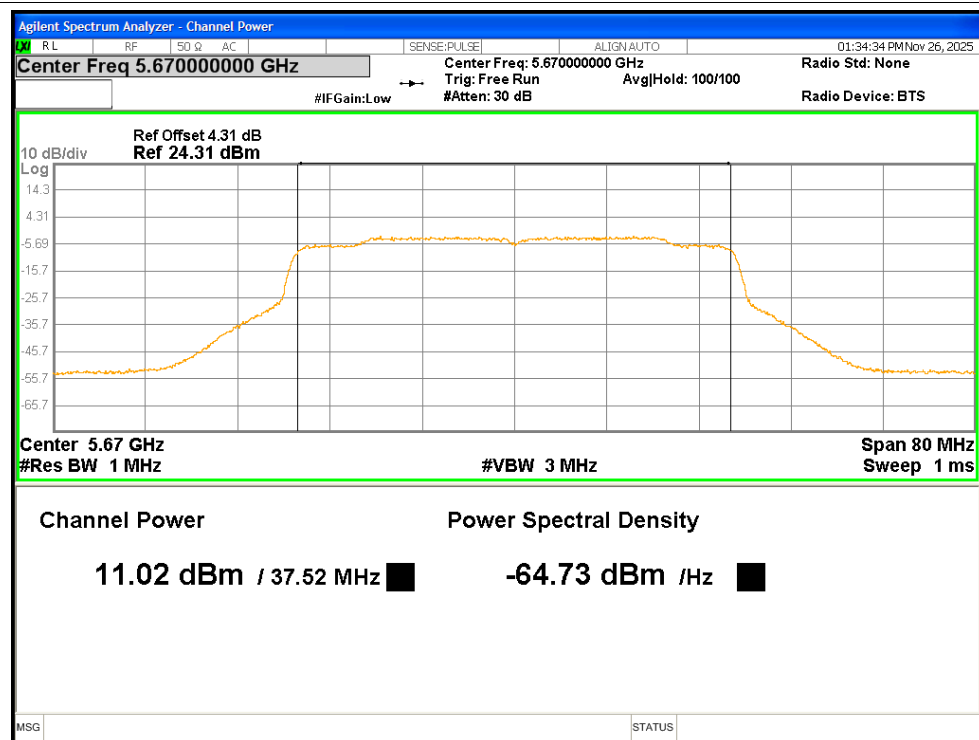
Power NVNT ax40 5510MHz



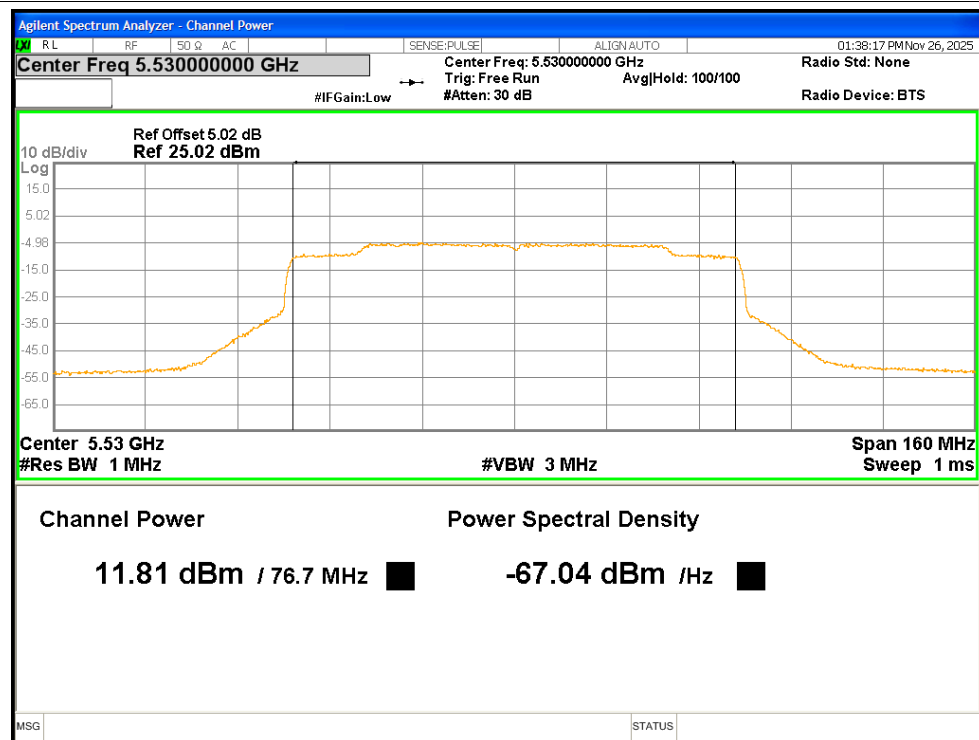
Power NVNT ax40 5550MHz

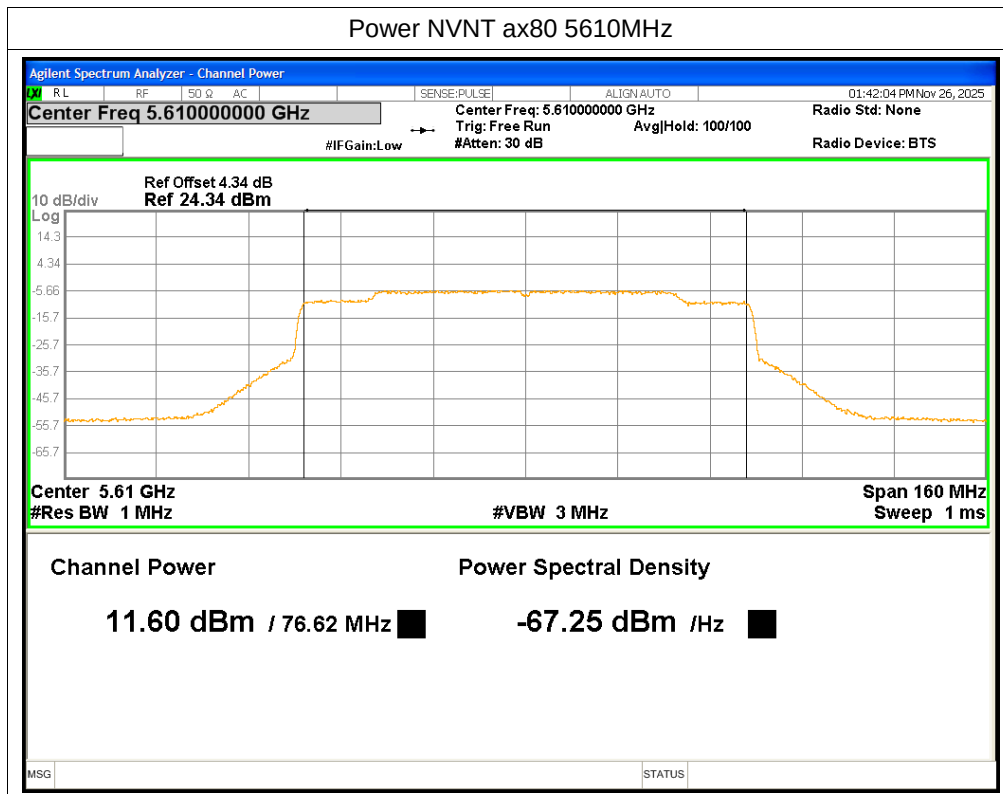


Power NVNT ax40 5670MHz



Power NVNT ax80 5530MHz



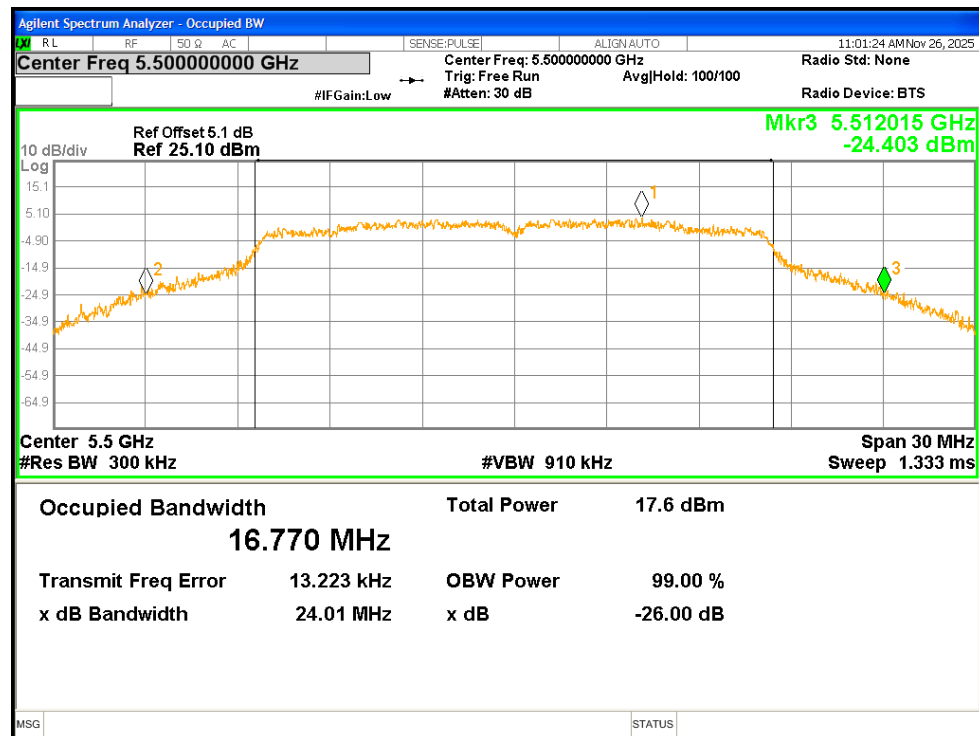


-26dB Bandwidth

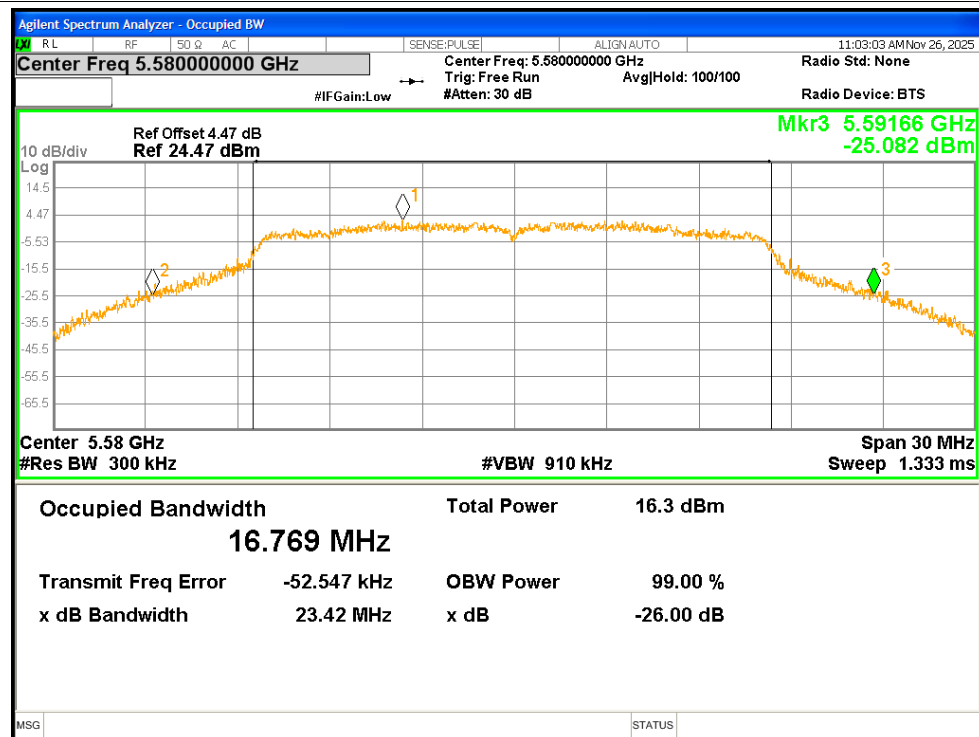
Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	24.01	Pass
NVNT	a	5580	23.42	Pass
NVNT	a	5700	24.07	Pass
NVNT	n20	5500	24.1	Pass
NVNT	n20	5580	24.12	Pass
NVNT	n20	5700	24.3	Pass
NVNT	n40	5510	43.34	Pass
NVNT	n40	5550	42.73	Pass
NVNT	n40	5670	44.08	Pass
NVNT	ac20	5500	24.41	Pass
NVNT	ac20	5580	22.91	Pass
NVNT	ac20	5700	24.19	Pass
NVNT	ac40	5510	43.51	Pass
NVNT	ac40	5550	44.01	Pass
NVNT	ac40	5670	44.37	Pass
NVNT	ac80	5530	83.69	Pass
NVNT	ac80	5610	84.42	Pass
NVNT	ax20	5500	24.02	Pass
NVNT	ax20	5580	22.26	Pass
NVNT	ax20	5700	22.82	Pass
NVNT	ax40	5510	41.22	Pass
NVNT	ax40	5550	44.03	Pass
NVNT	ax40	5670	42.76	Pass
NVNT	ax80	5530	84.41	Pass
NVNT	ax80	5610	83.51	Pass

Test Graphs

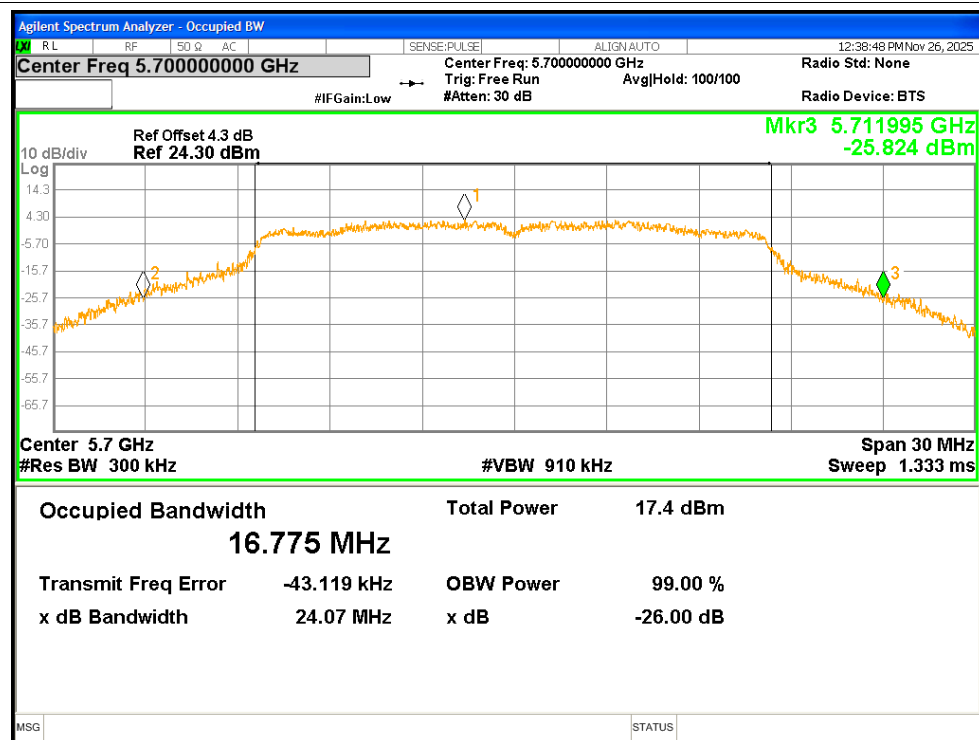
-26dB Bandwidth NVNT a 5500MHz



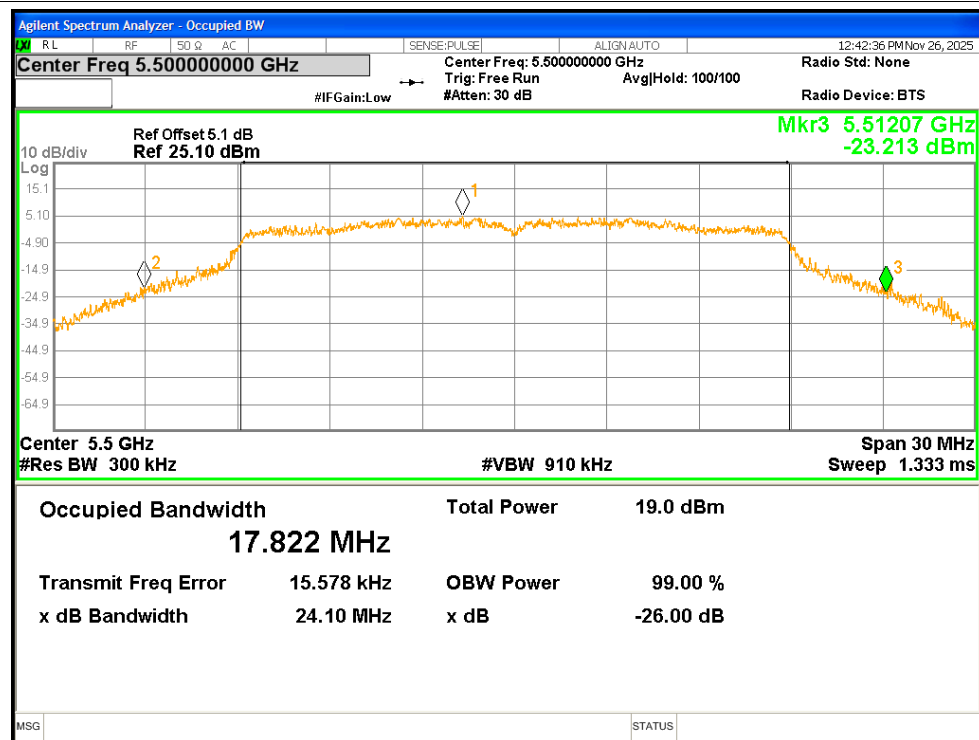
-26dB Bandwidth NVNT a 5580MHz



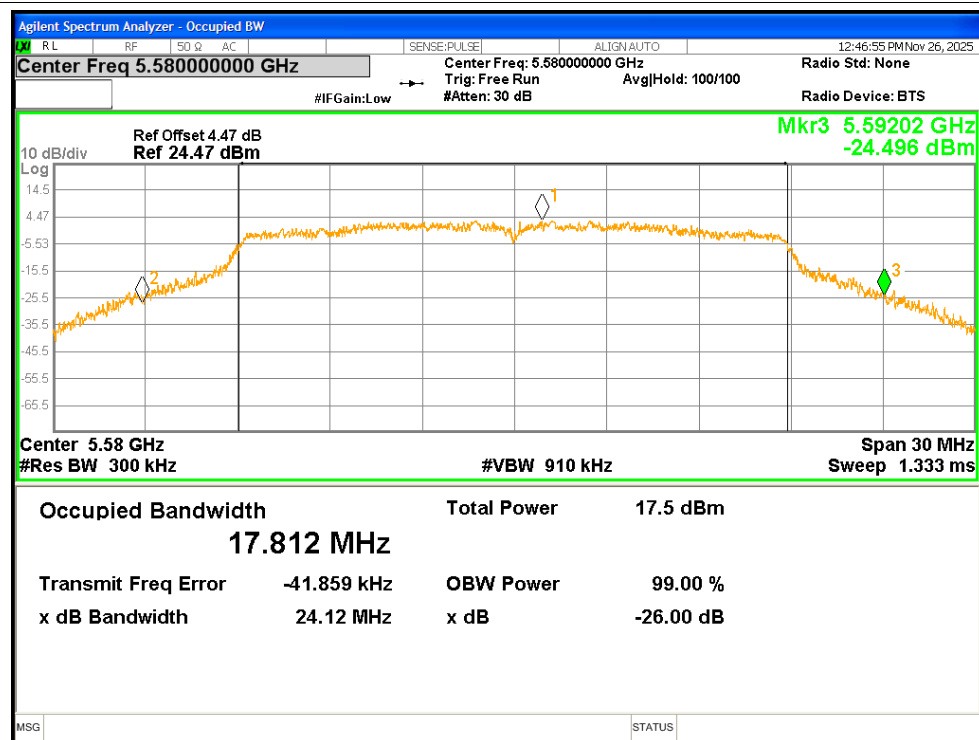
-26dB Bandwidth NVNT a 5700MHz



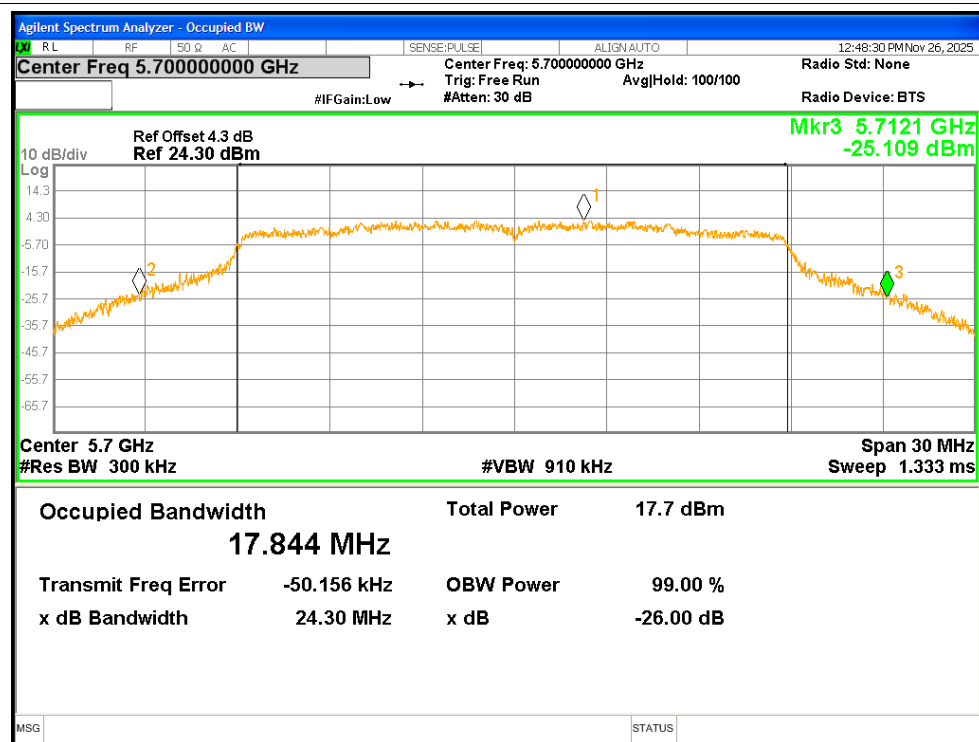
-26dB Bandwidth NVNT n20 5500MHz



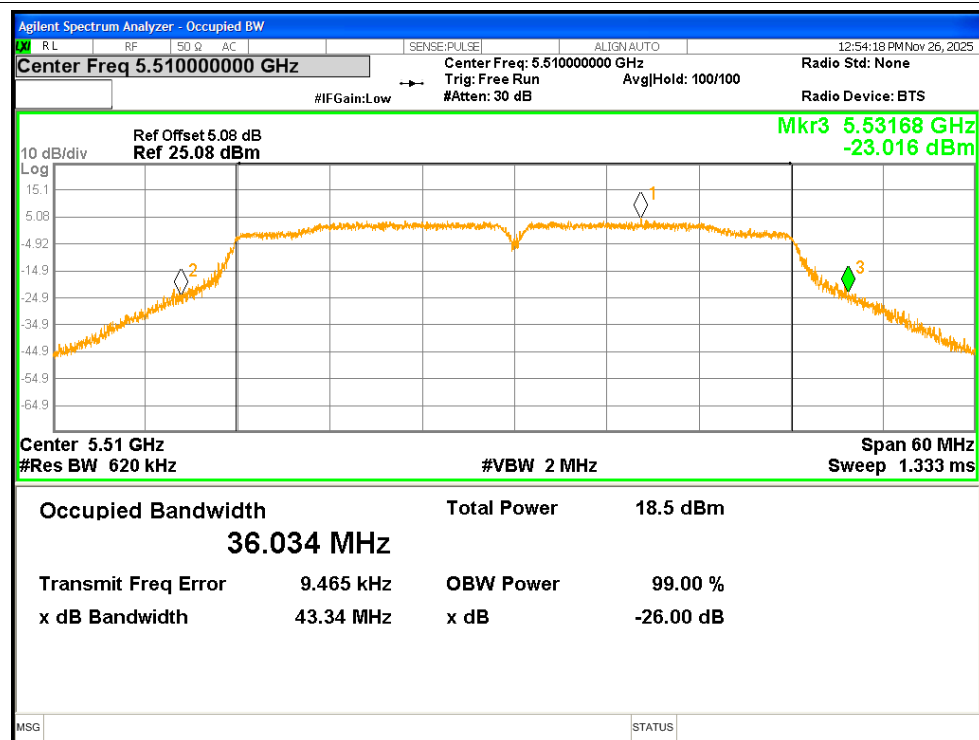
-26dB Bandwidth NVNT n20 5580MHz



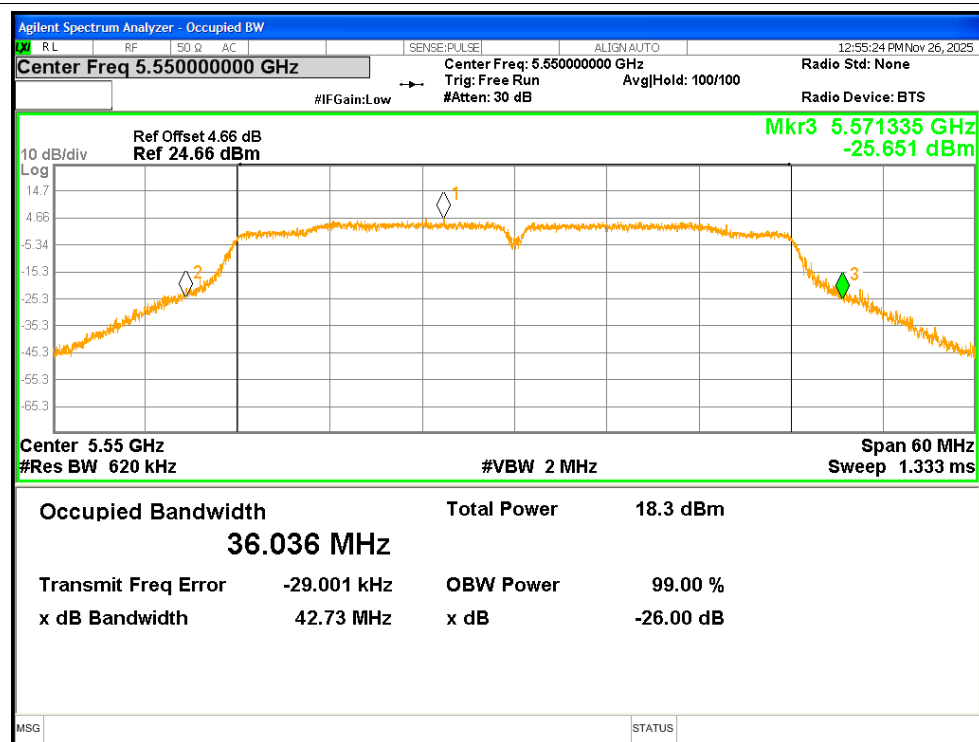
-26dB Bandwidth NVNT n20 5700MHz



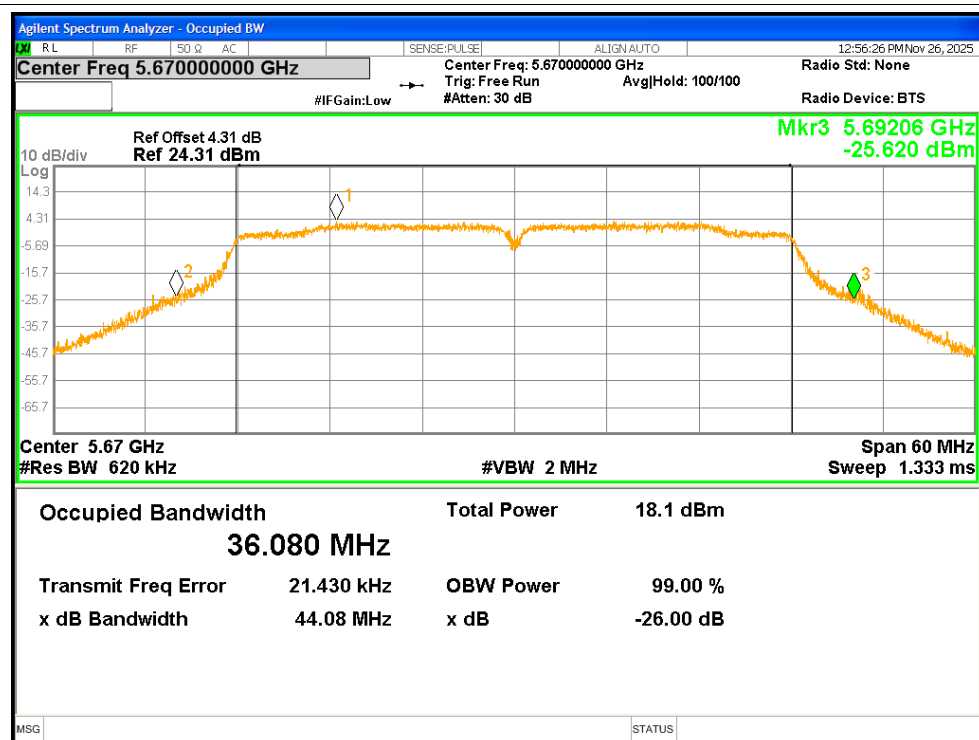
-26dB Bandwidth NVNT n40 5510MHz



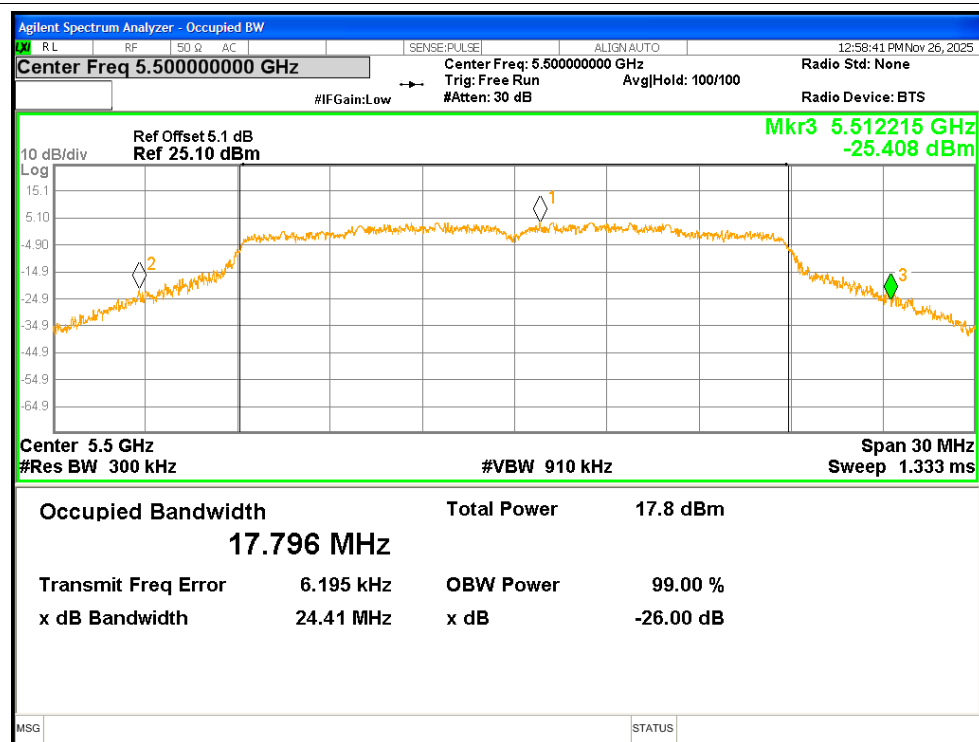
-26dB Bandwidth NVNT n40 5550MHz



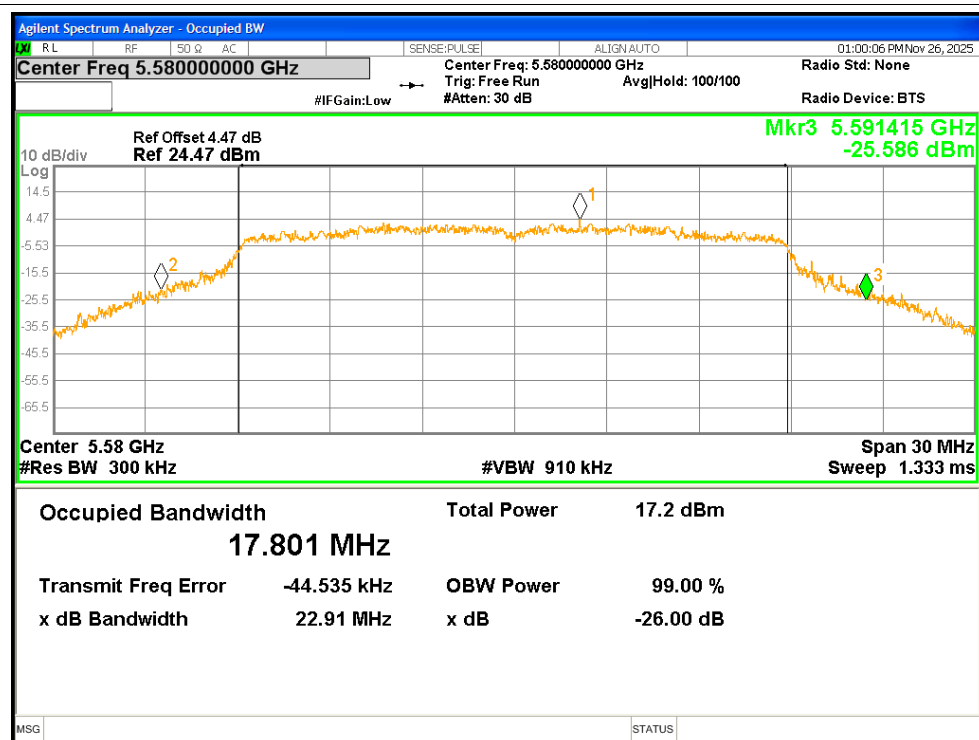
-26dB Bandwidth NVNT n40 5670MHz



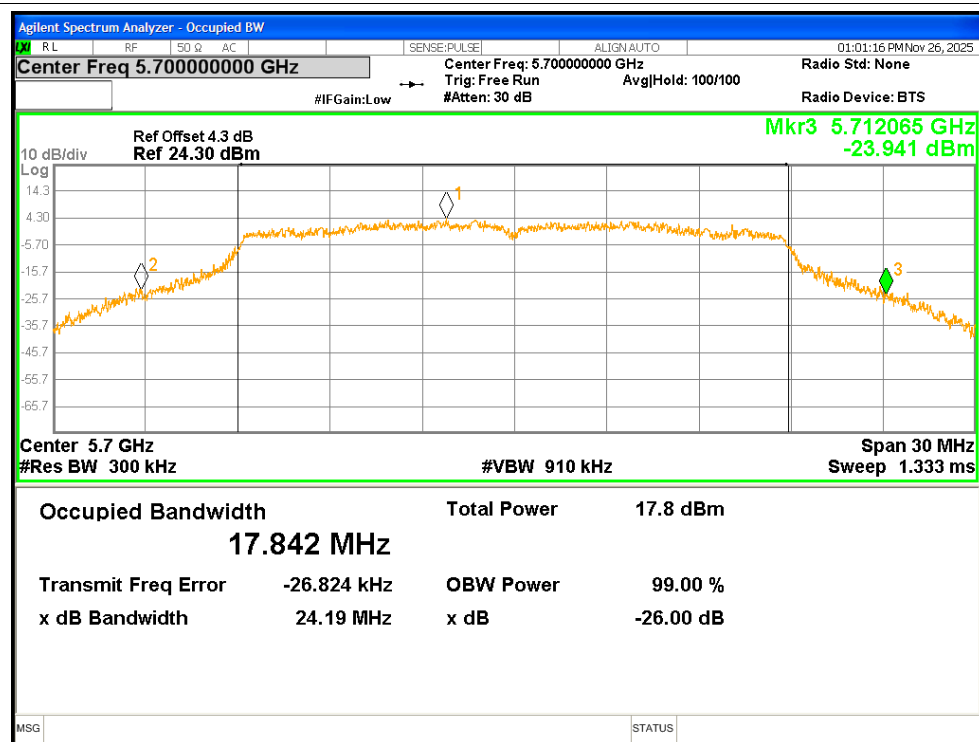
-26dB Bandwidth NVNT ac20 5500MHz



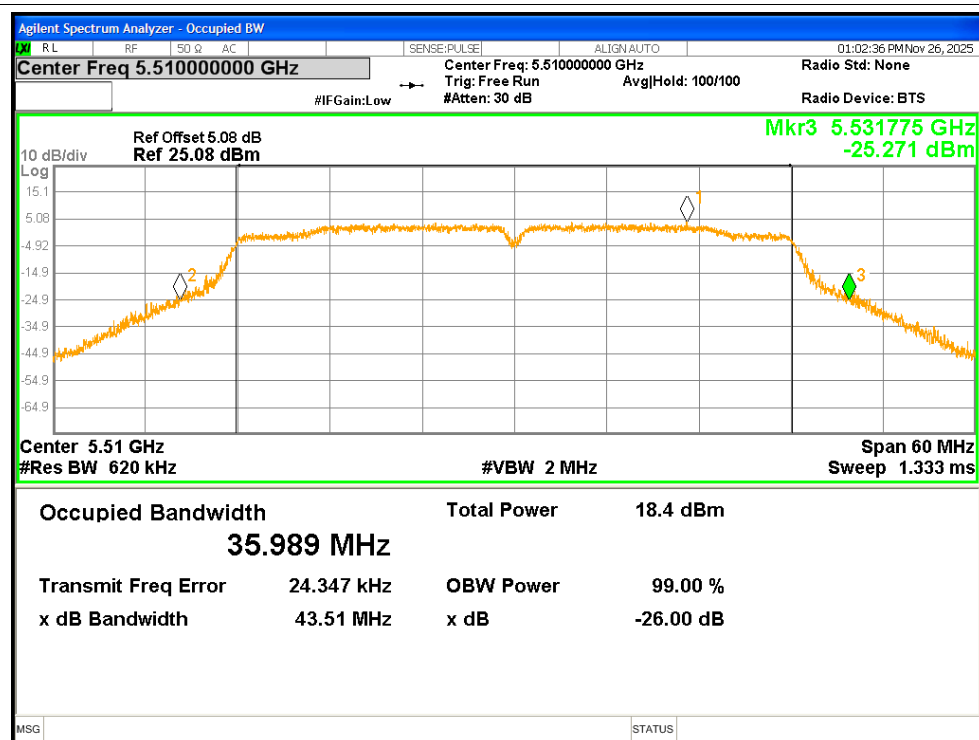
-26dB Bandwidth NVNT ac20 5580MHz



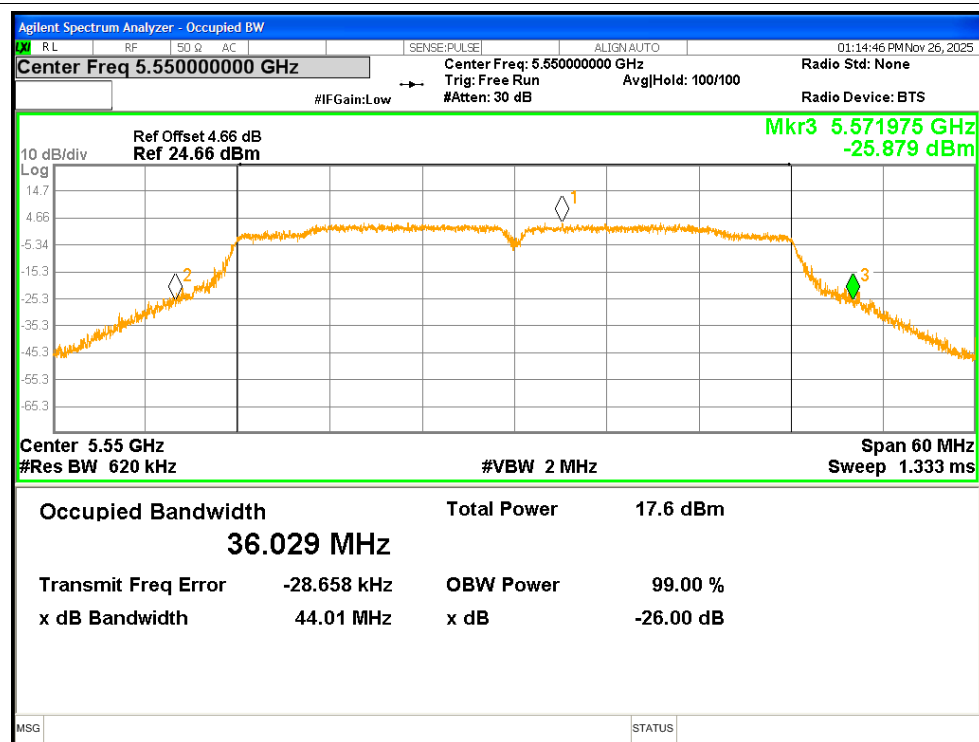
-26dB Bandwidth NVNT ac20 5700MHz



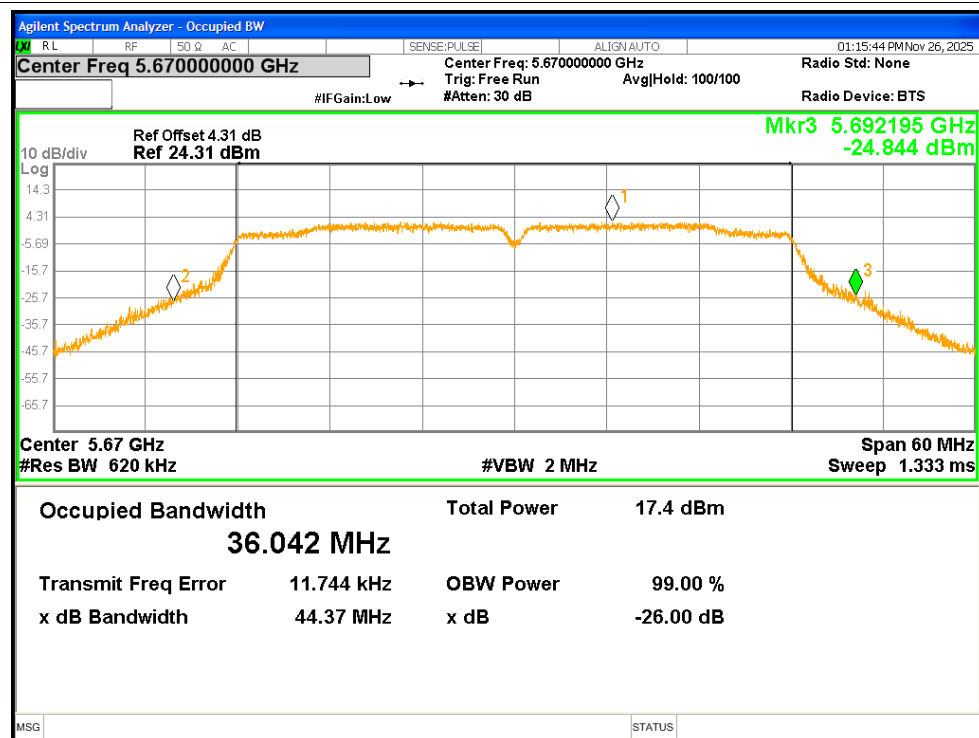
-26dB Bandwidth NVNT ac40 5510MHz



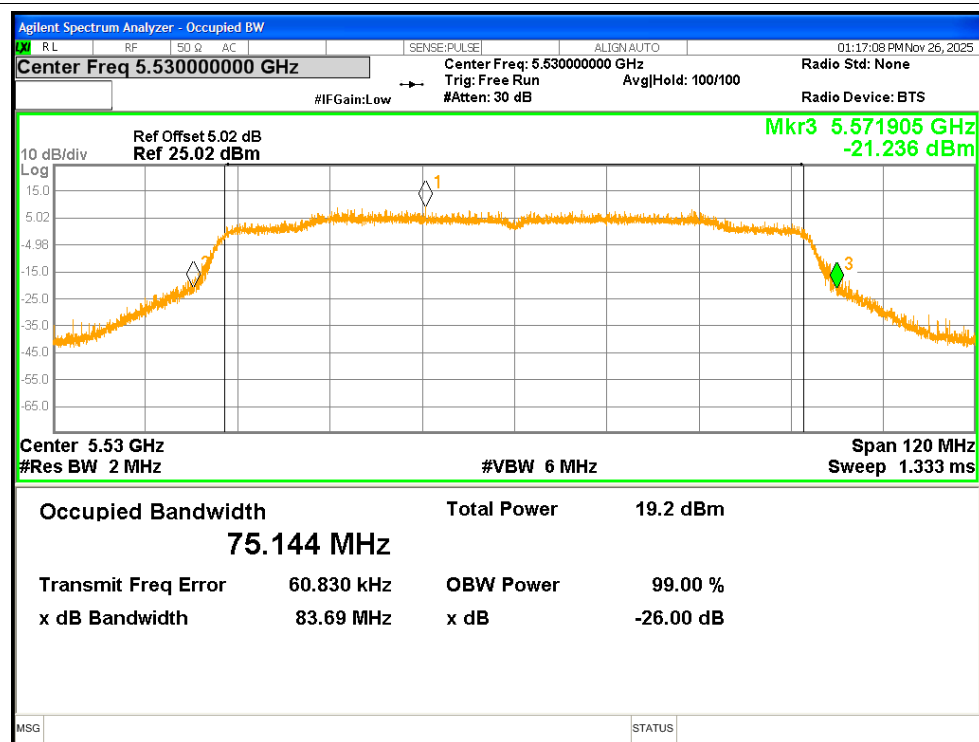
-26dB Bandwidth NVNT ac40 5550MHz



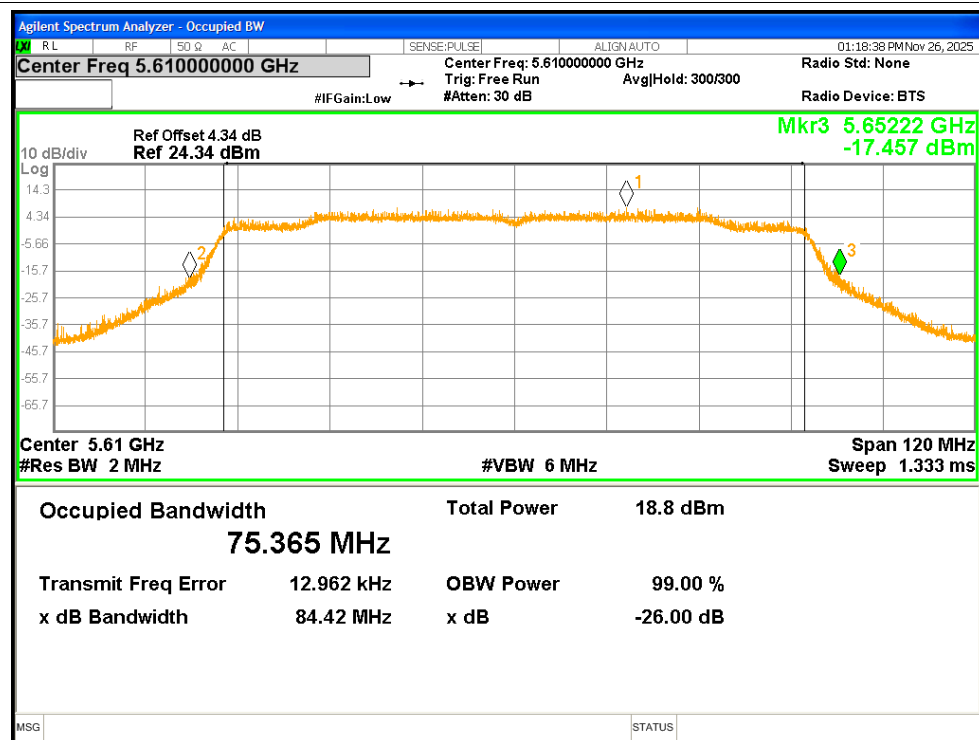
-26dB Bandwidth NVNT ac40 5670MHz



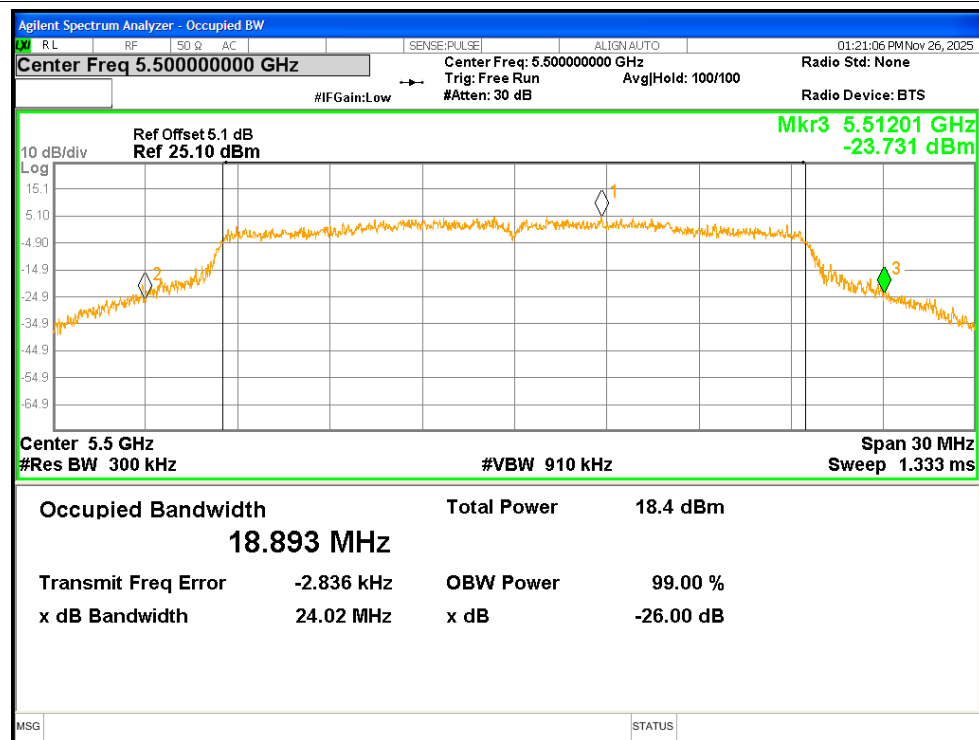
-26dB Bandwidth NVNT ac80 5530MHz



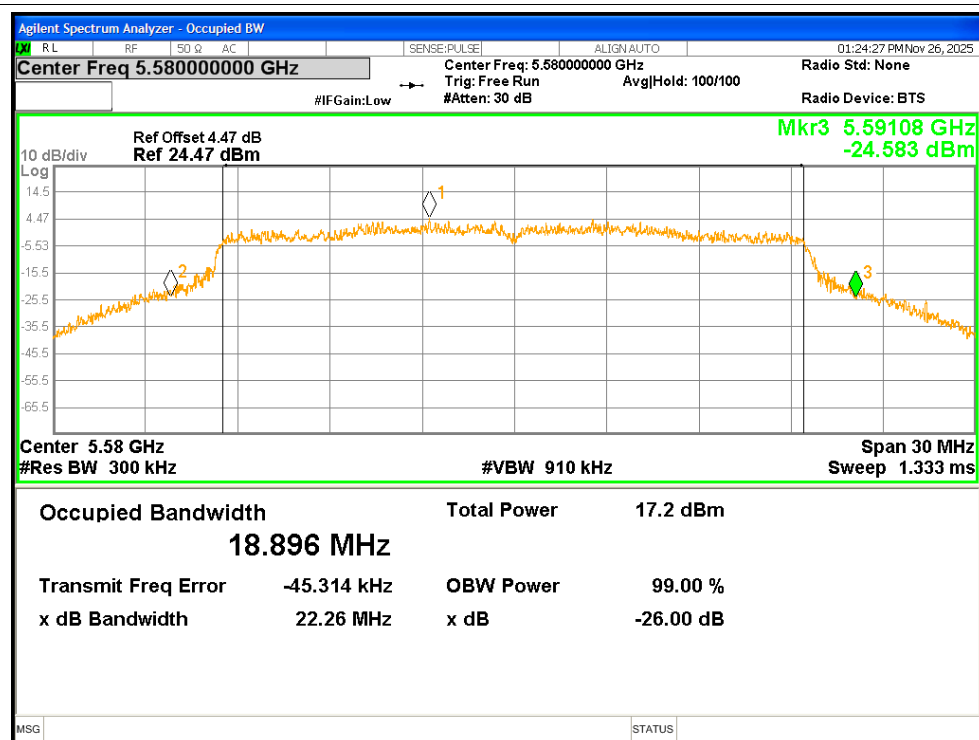
-26dB Bandwidth NVNT ac80 5610MHz



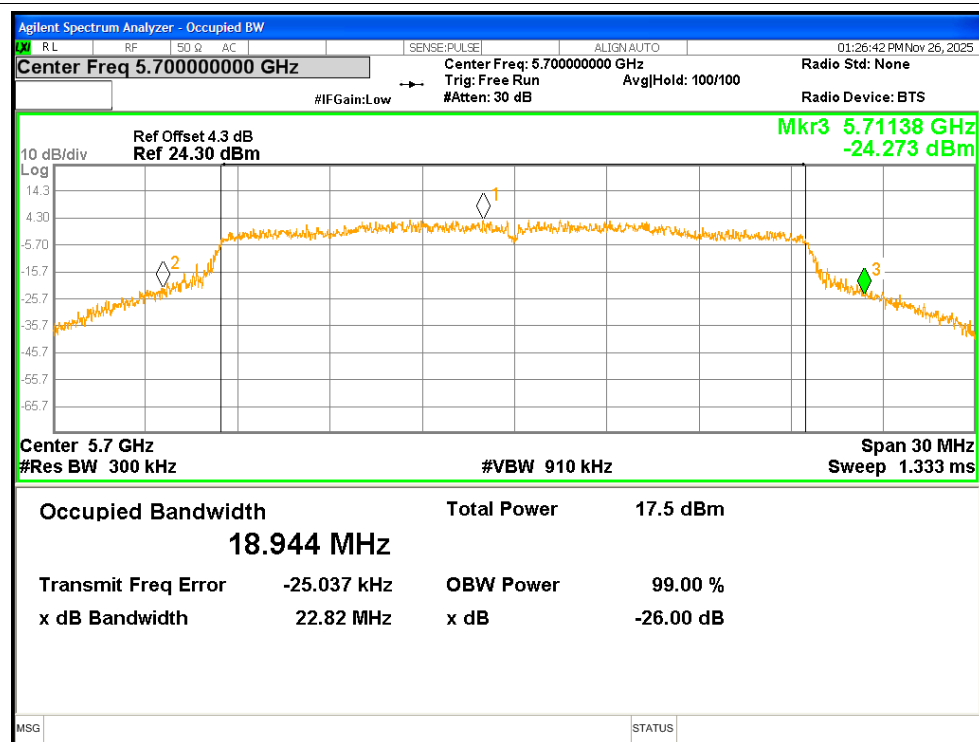
-26dB Bandwidth NVNT ax20 5500MHz



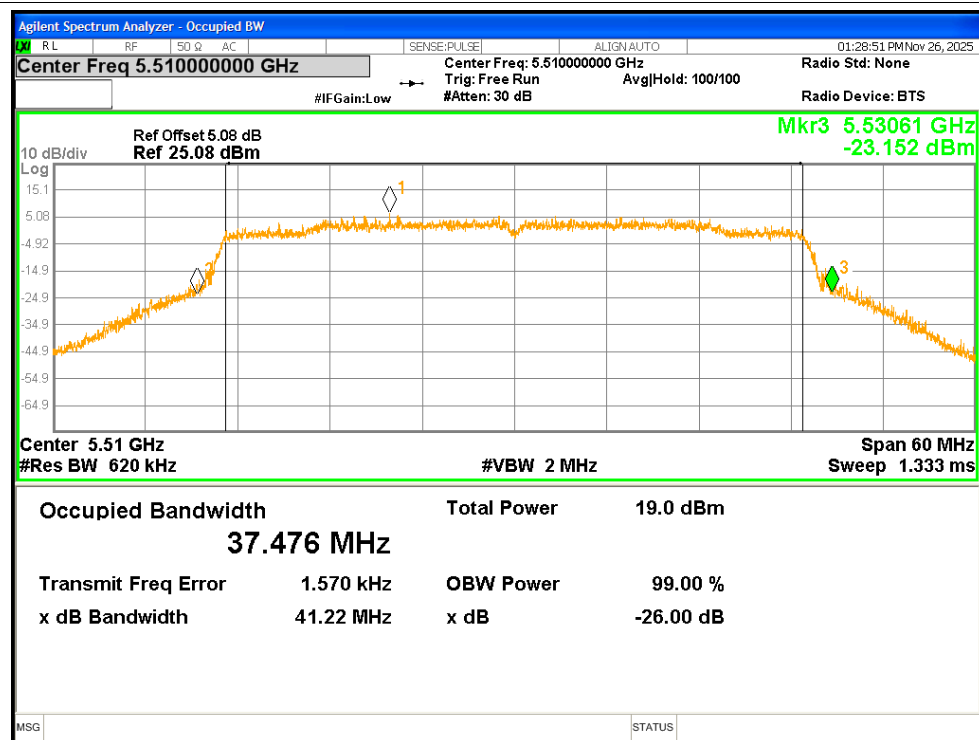
-26dB Bandwidth NVNT ax20 5580MHz



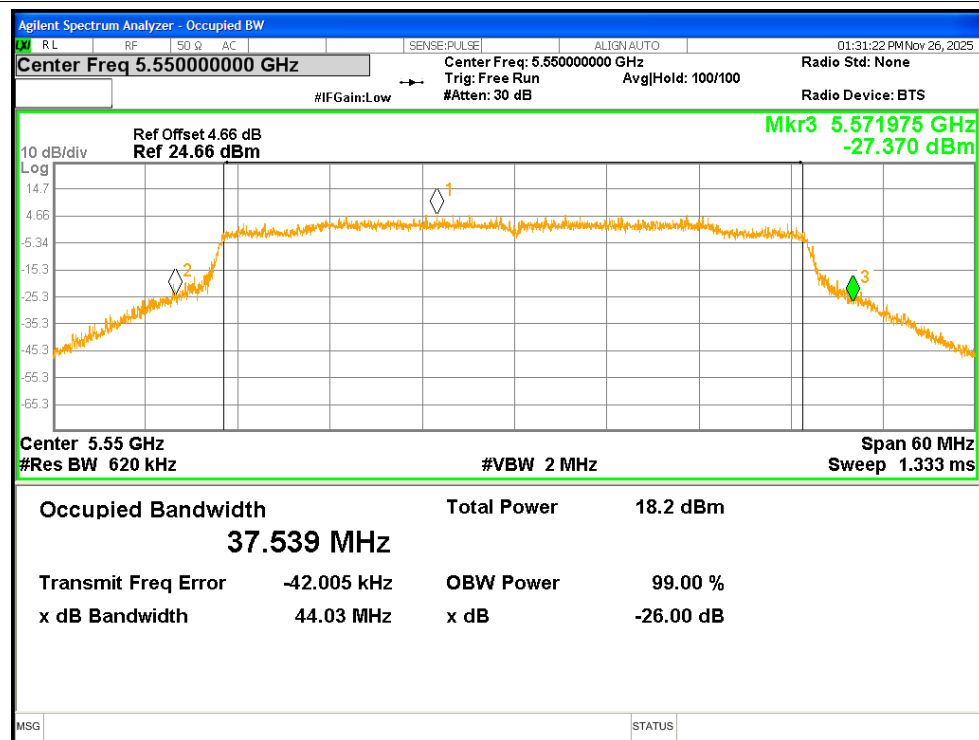
-26dB Bandwidth NVNT ax20 5700MHz



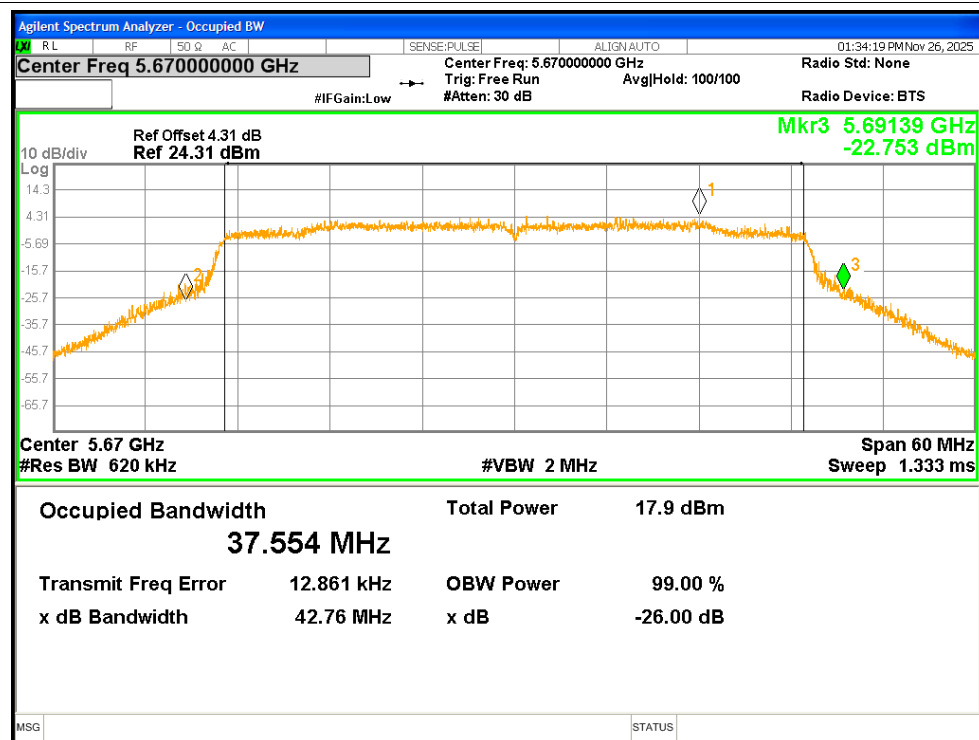
-26dB Bandwidth NVNT ax40 5510MHz



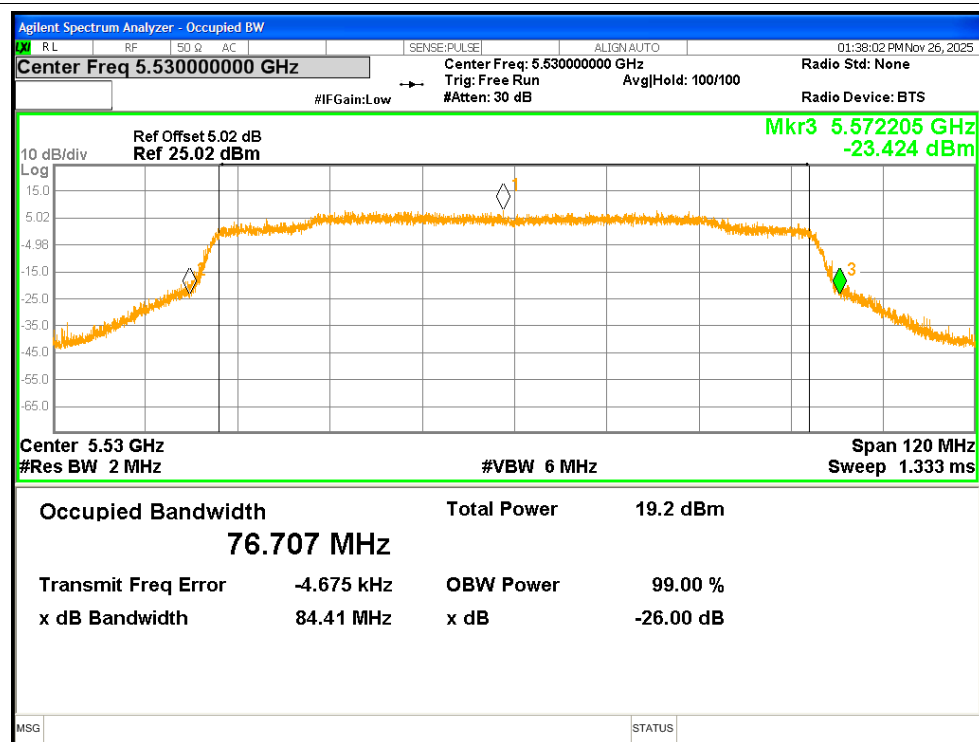
-26dB Bandwidth NVNT ax40 5550MHz

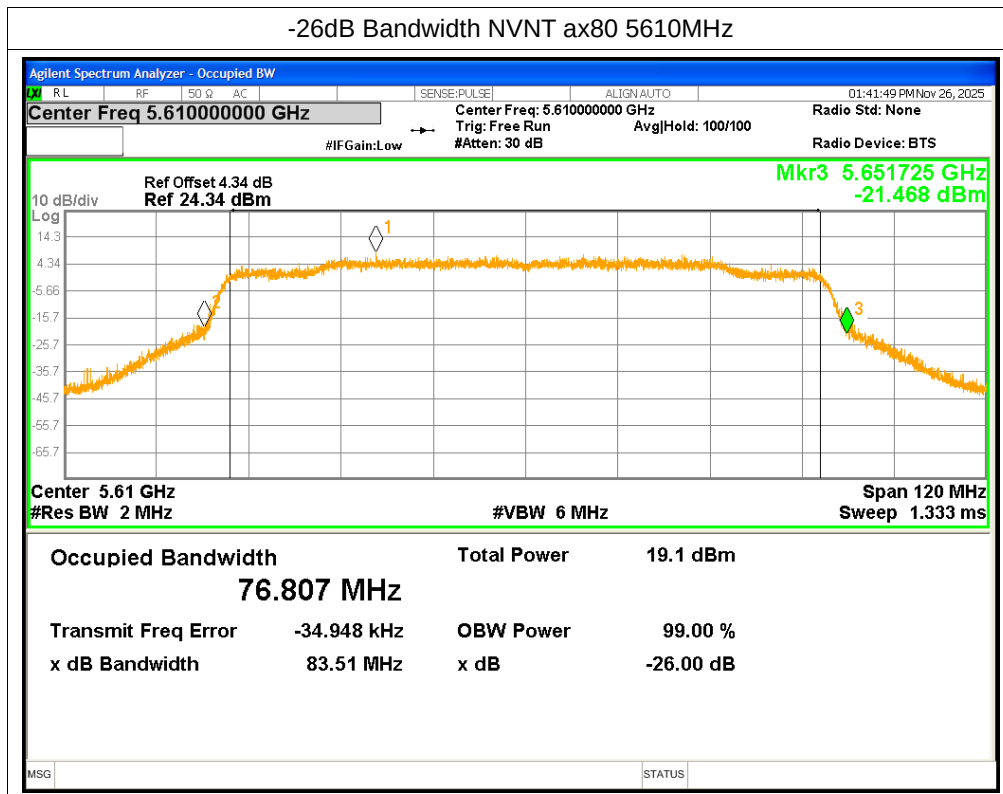


-26dB Bandwidth NVNT ax40 5670MHz



-26dB Bandwidth NVNT ax80 5530MHz



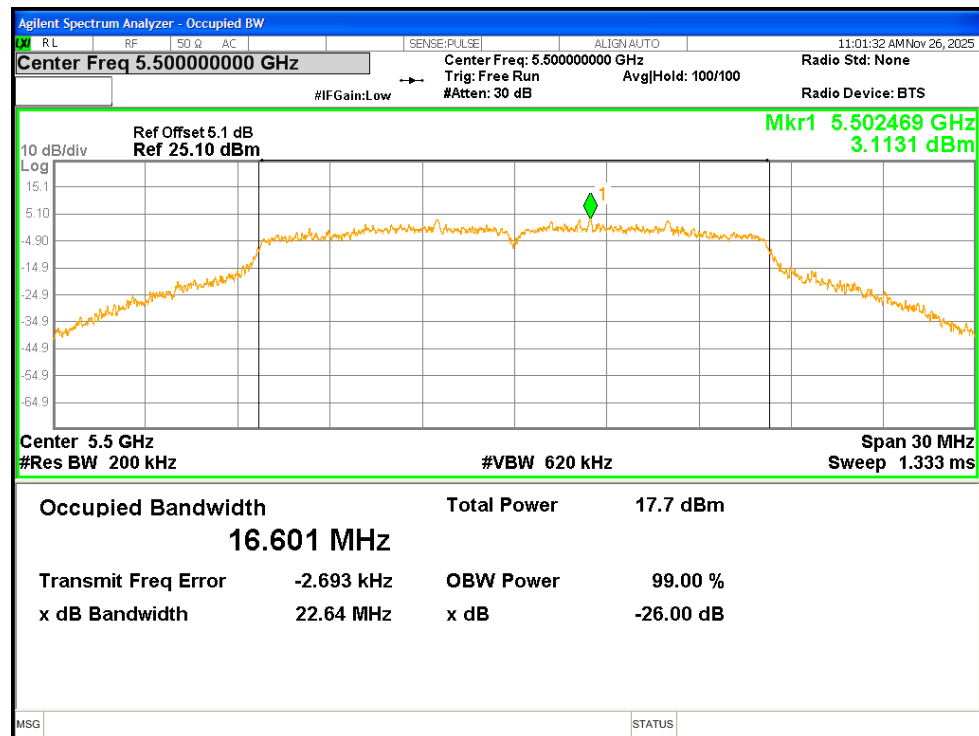


Occupied Channel Bandwidth

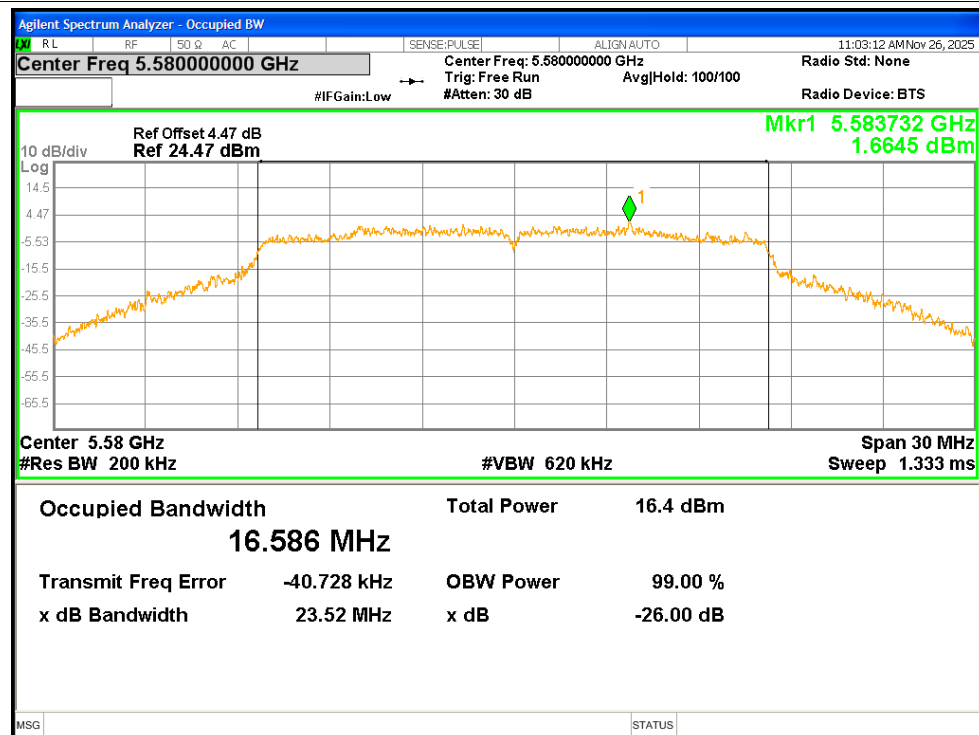
Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5500	16.601
NVNT	a	5580	16.586
NVNT	a	5700	16.602
NVNT	n20	5500	17.703
NVNT	n20	5580	17.687
NVNT	n20	5700	17.72
NVNT	n40	5510	35.96
NVNT	n40	5550	36.011
NVNT	n40	5670	36.03
NVNT	ac20	5500	17.706
NVNT	ac20	5580	17.686
NVNT	ac20	5700	17.722
NVNT	ac40	5510	35.97
NVNT	ac40	5550	36.003
NVNT	ac40	5670	36.031
NVNT	ac80	5530	75.008
NVNT	ac80	5610	75.127
NVNT	ax20	5500	18.883
NVNT	ax20	5580	18.857
NVNT	ax20	5700	18.876
NVNT	ax40	5510	37.483
NVNT	ax40	5550	37.397
NVNT	ax40	5670	37.515
NVNT	ax80	5530	76.695
NVNT	ax80	5610	76.615

Test Graphs

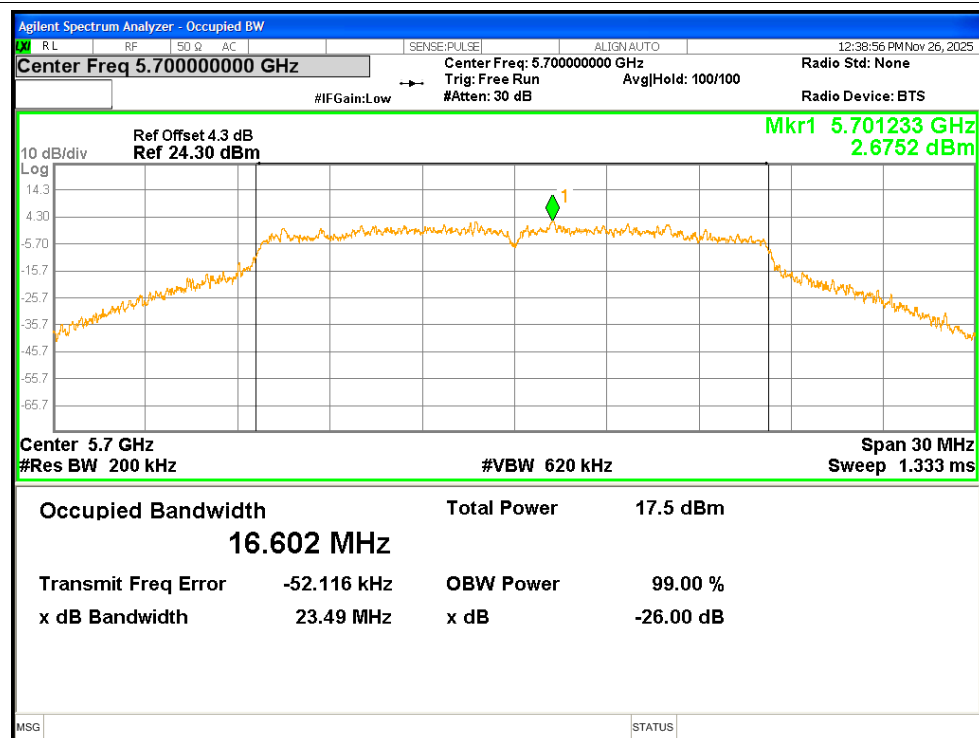
OBW NVNT a 5500MHz



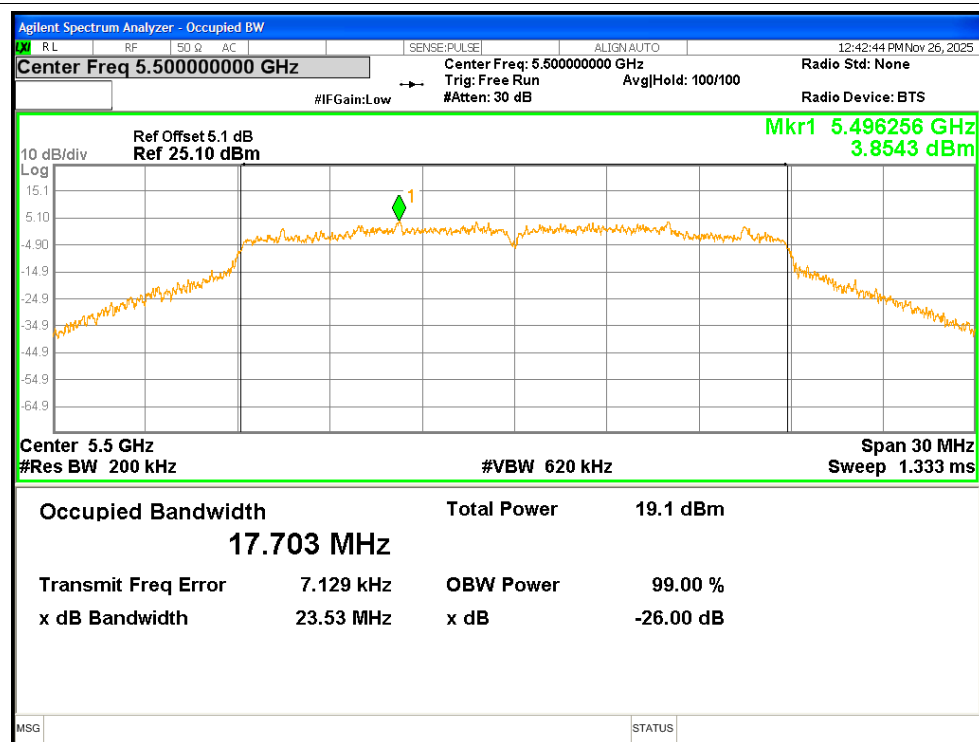
OBW NVNT a 5580MHz



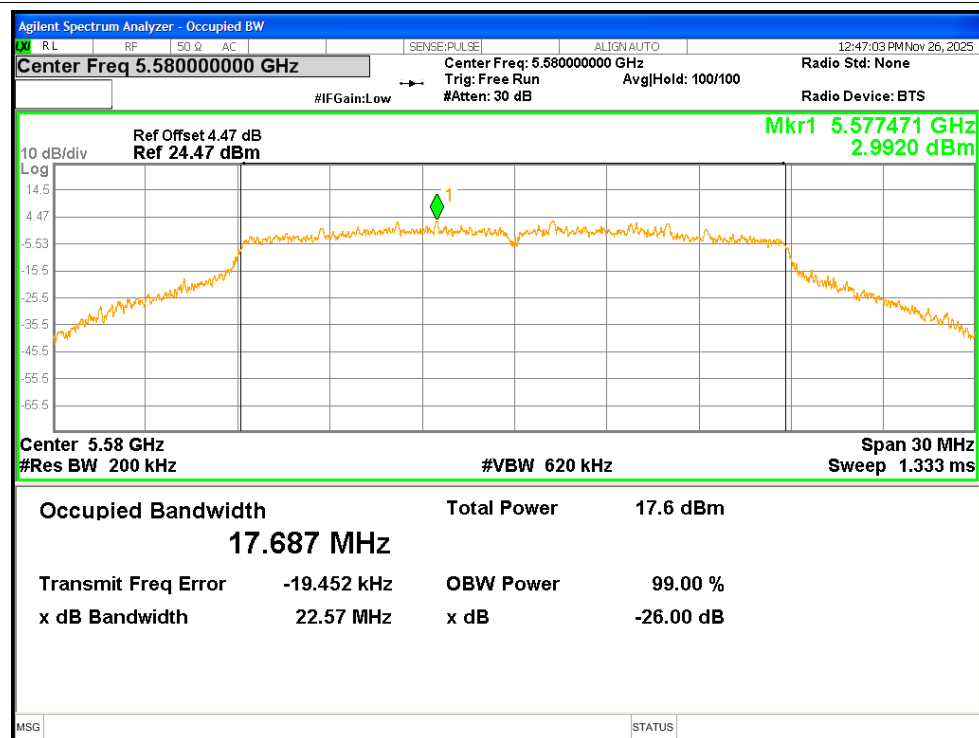
OBW NVNT a 5700MHz



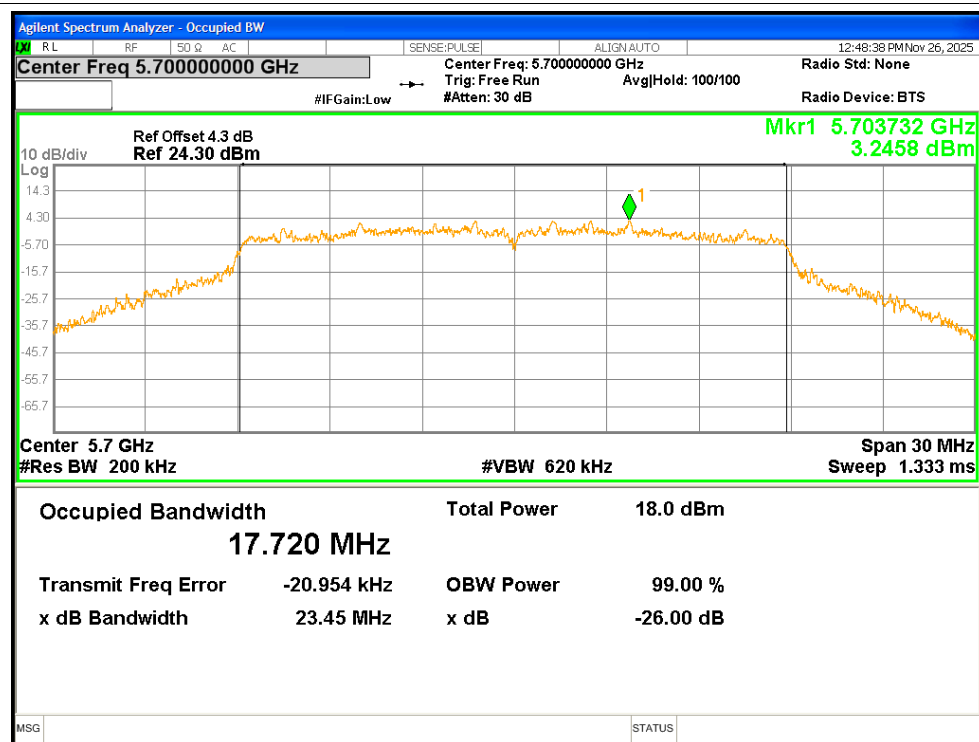
OBW NVNT n20 5500MHz



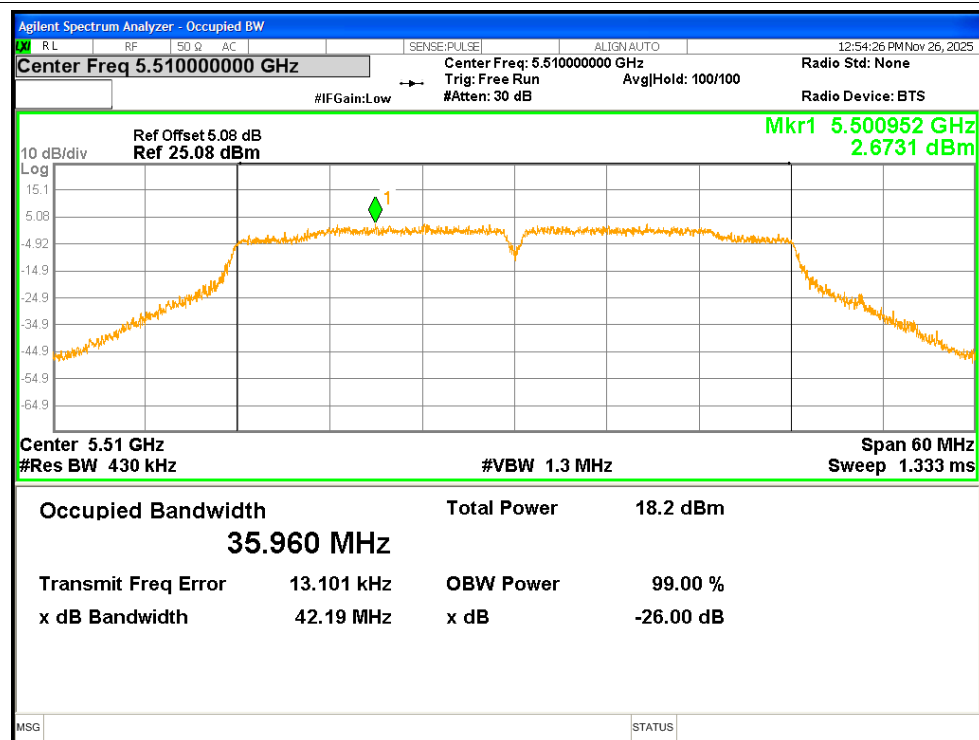
OBW NVNT n20 5580MHz



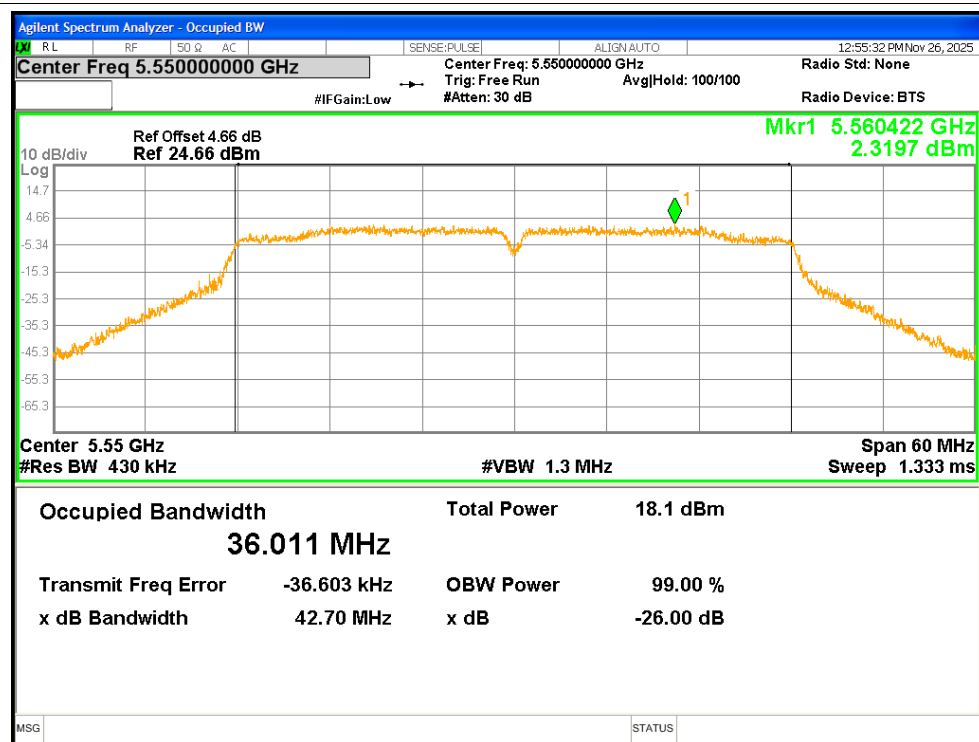
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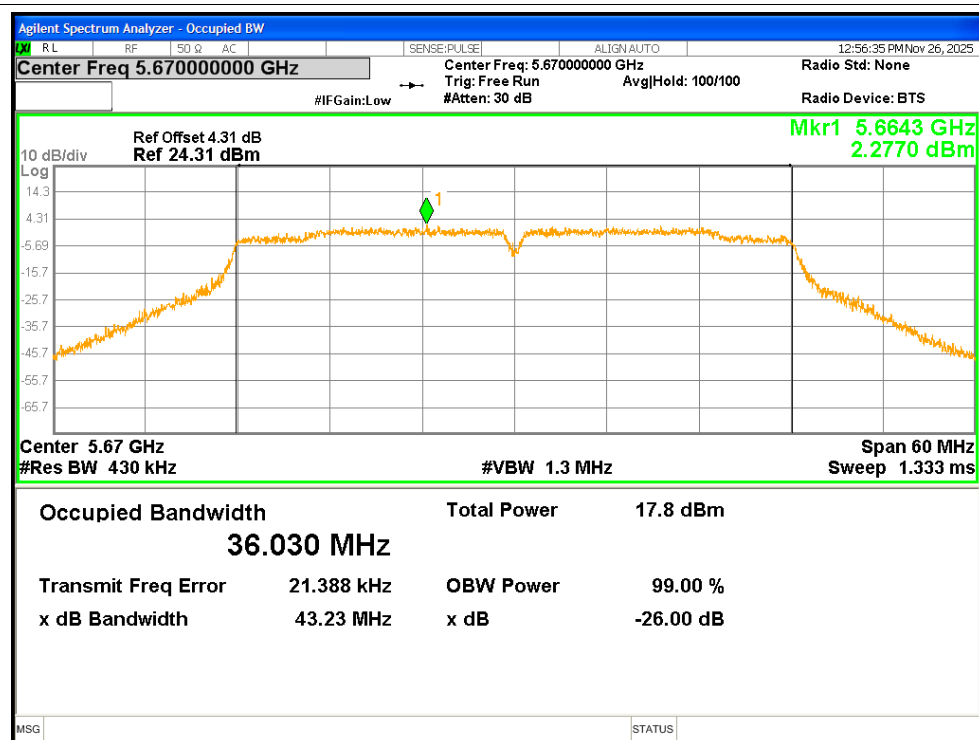
OBW NVNT n40 5510MHz



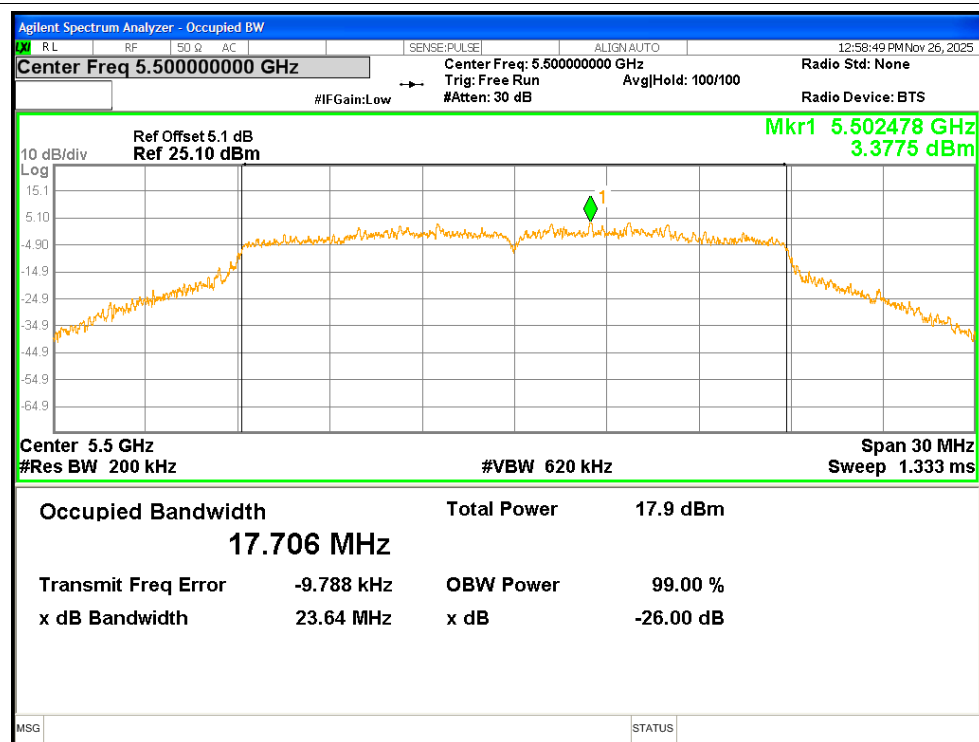
OBW NVNT n40 5550MHz



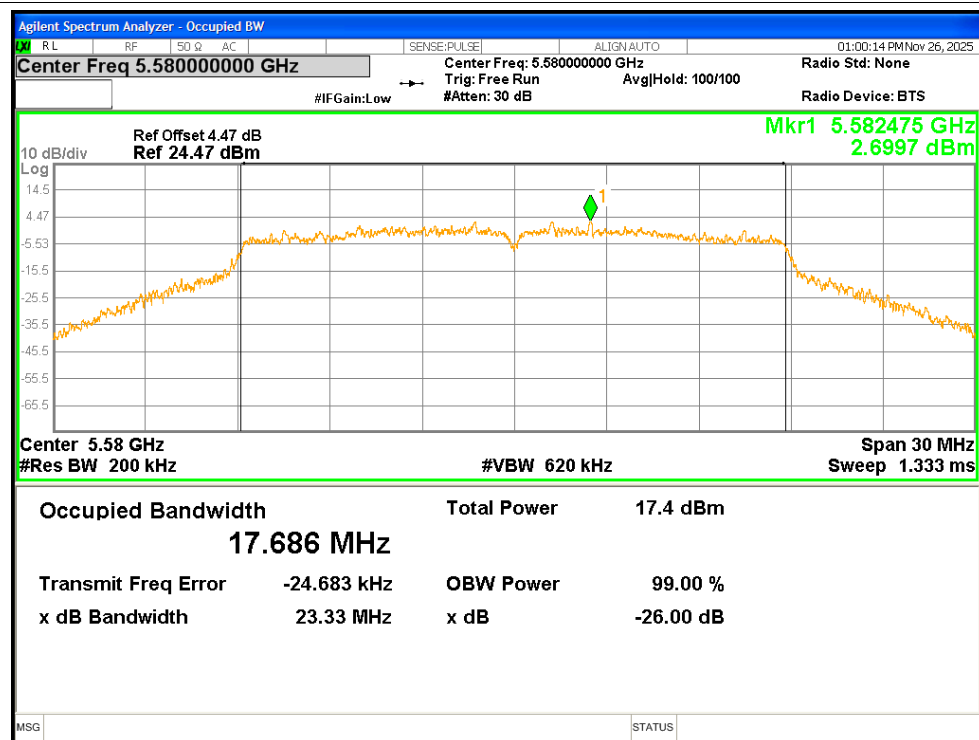
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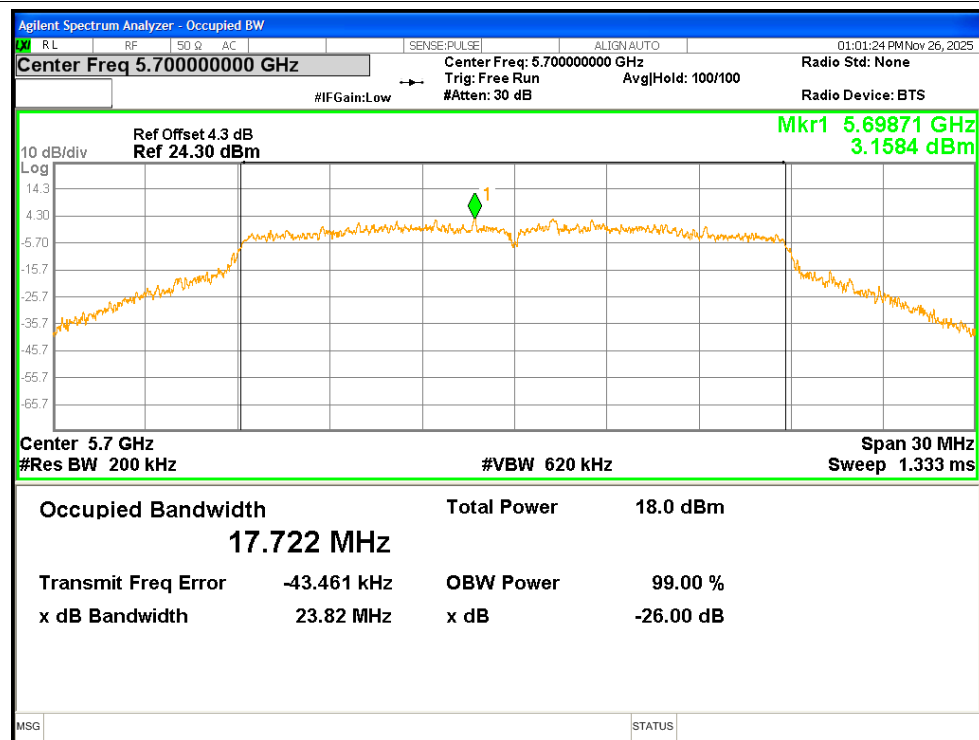
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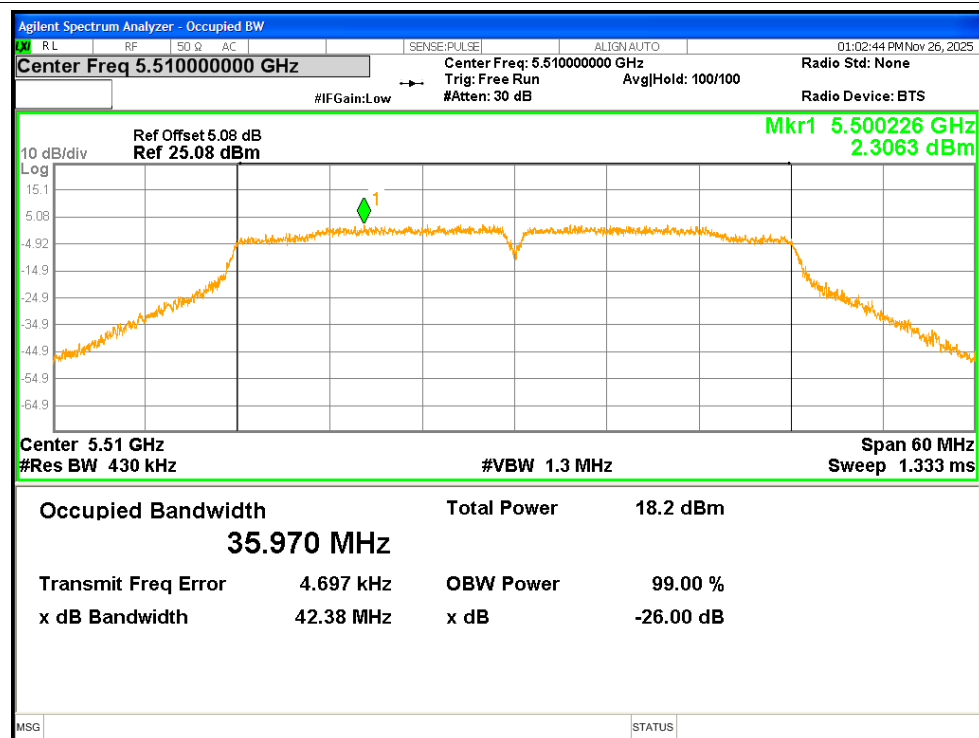
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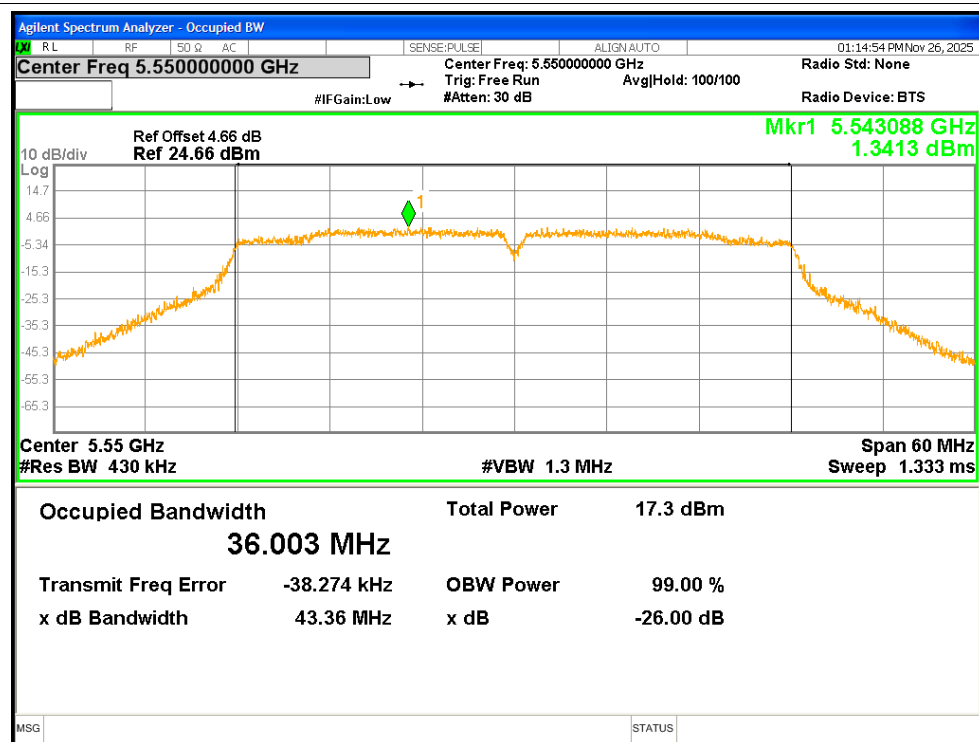
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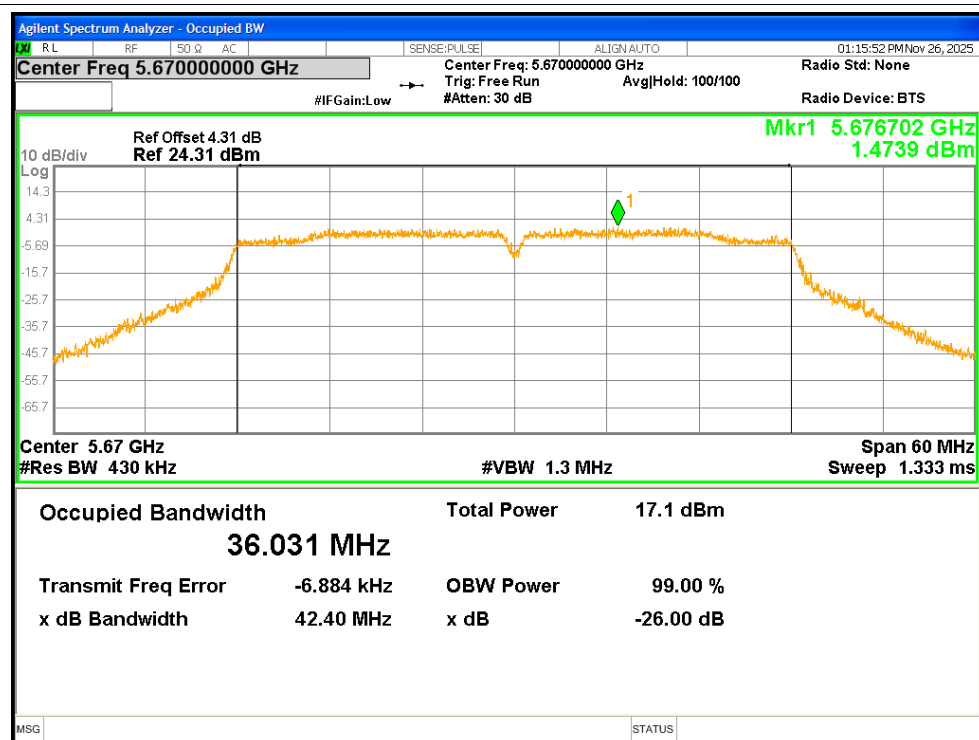
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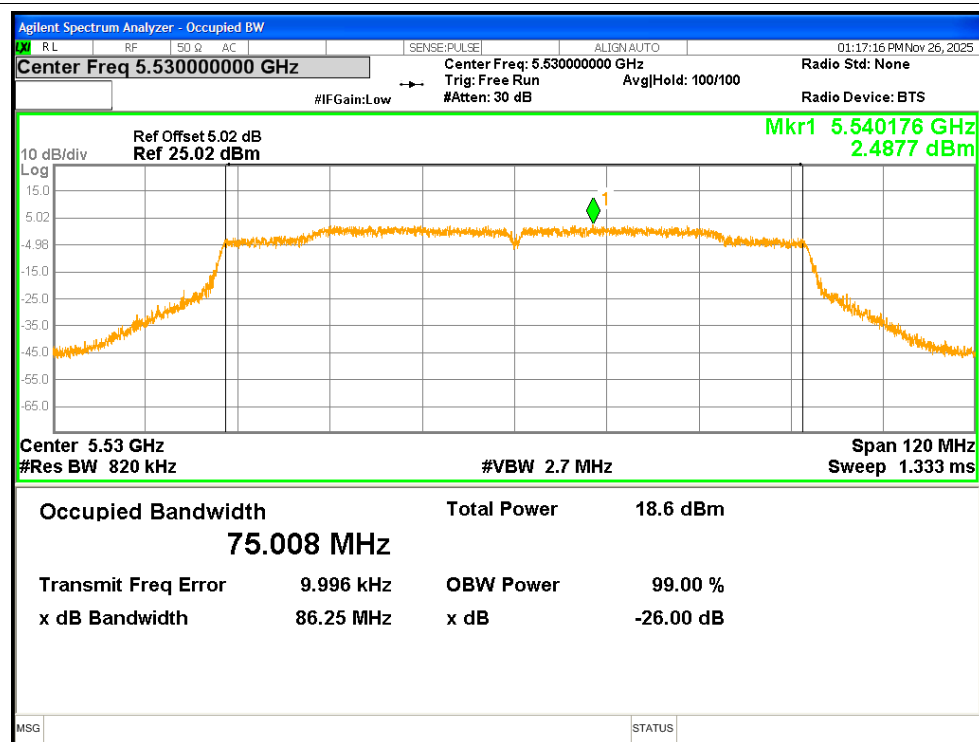
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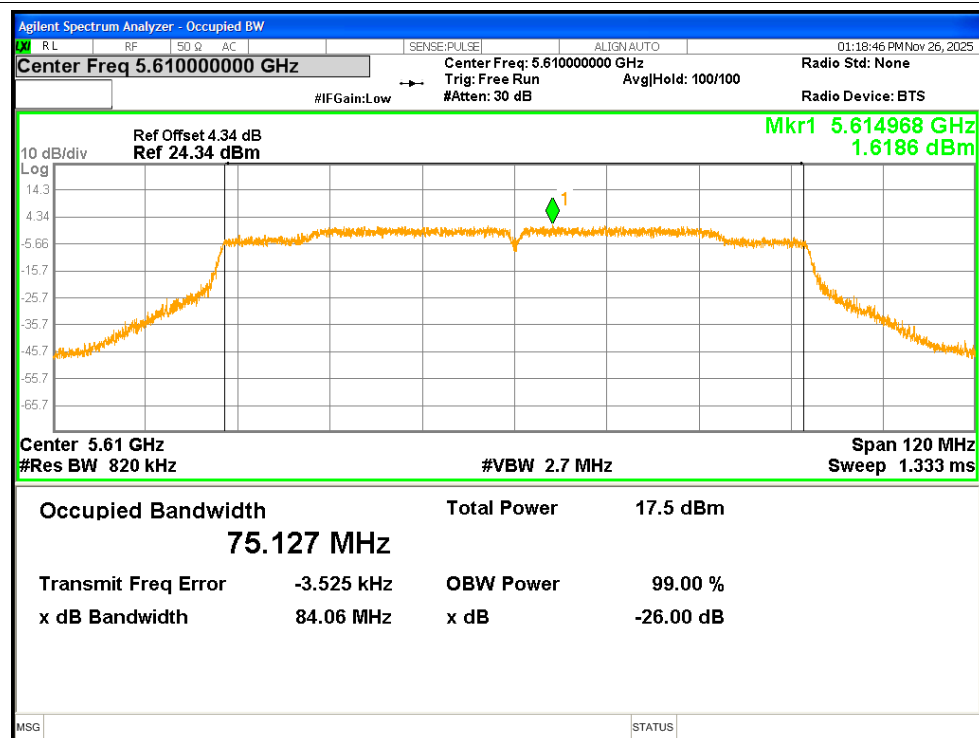
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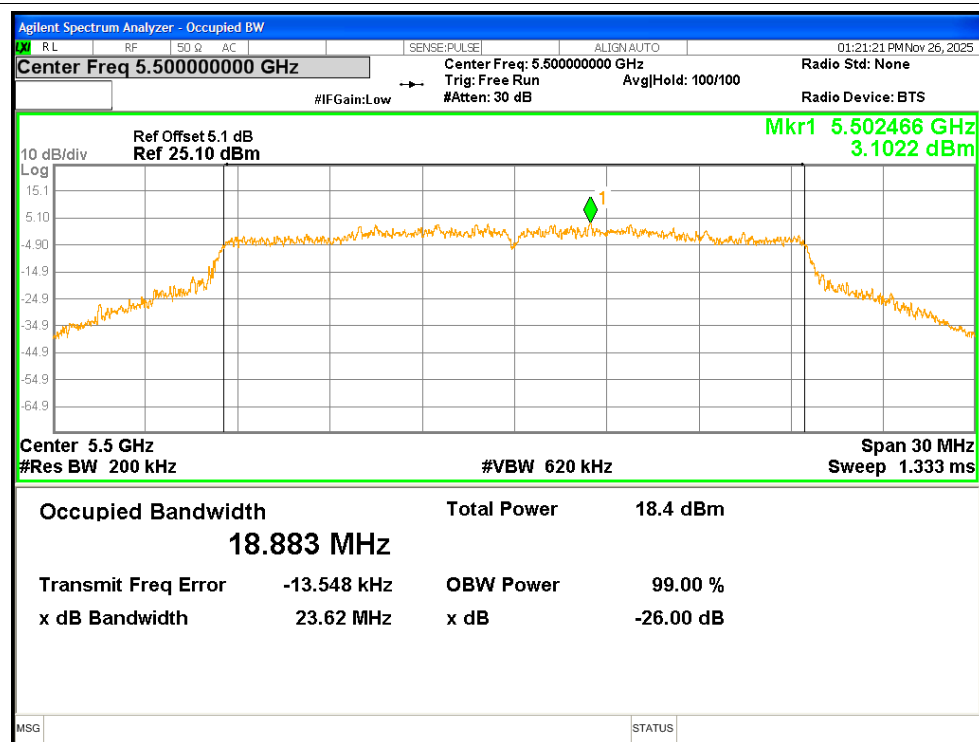
OBW NVNT ac80 5530MHz



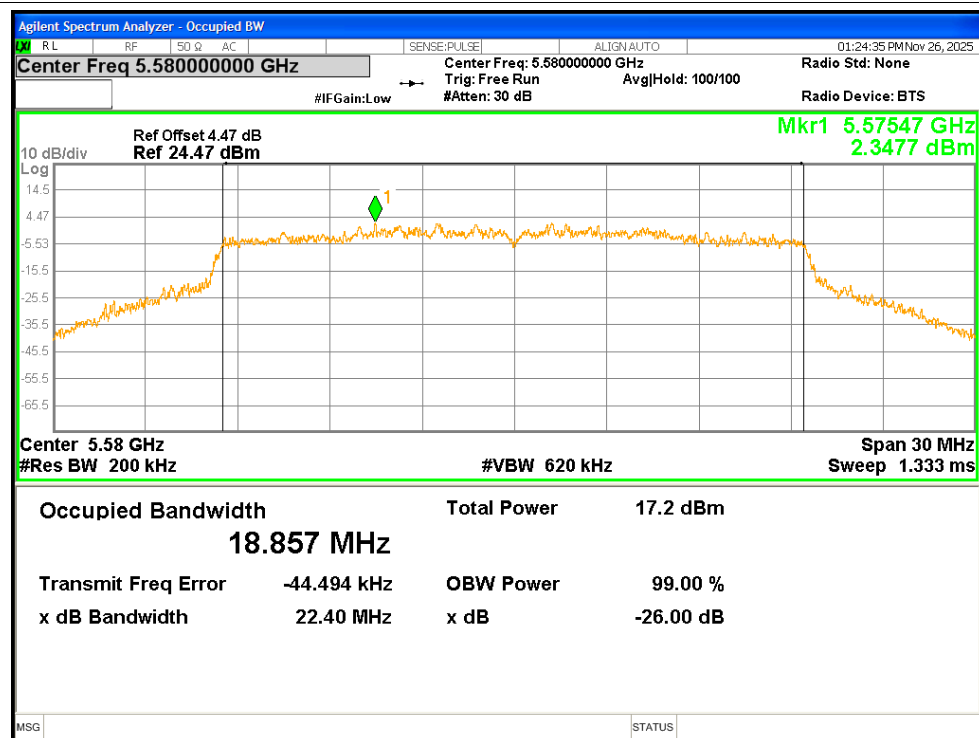
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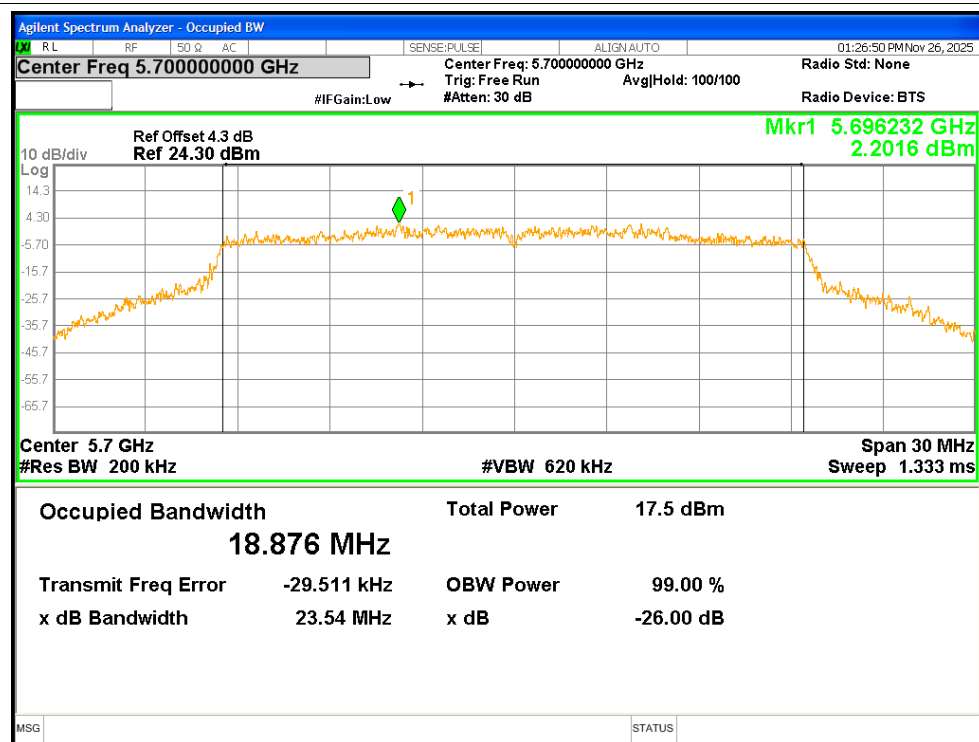
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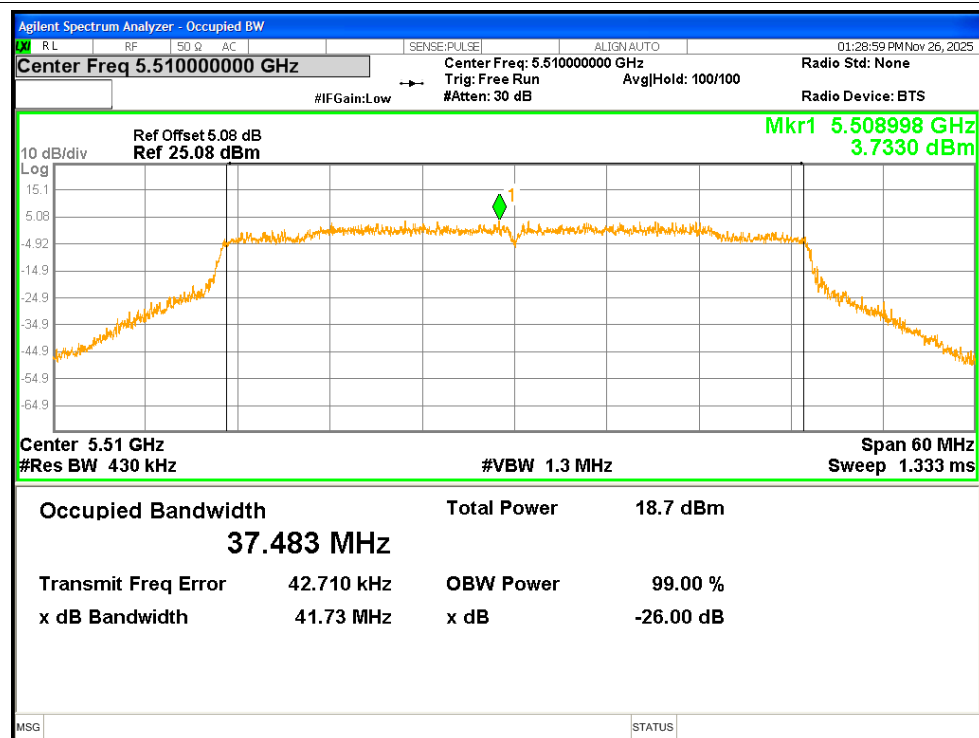
OBW NVNT ax20 5580MHz



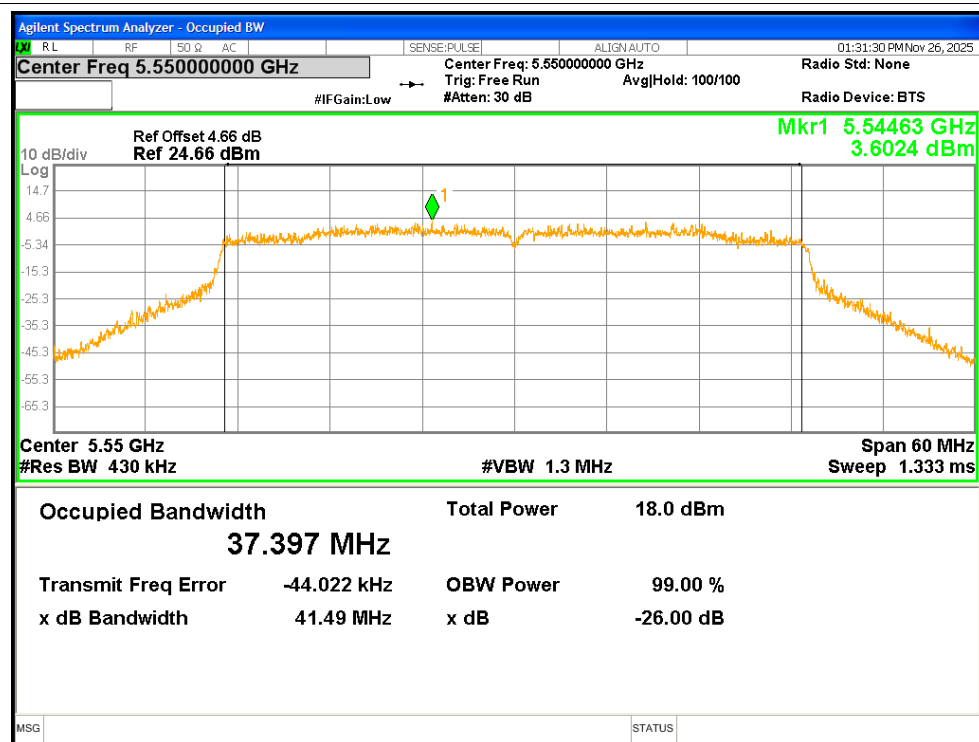
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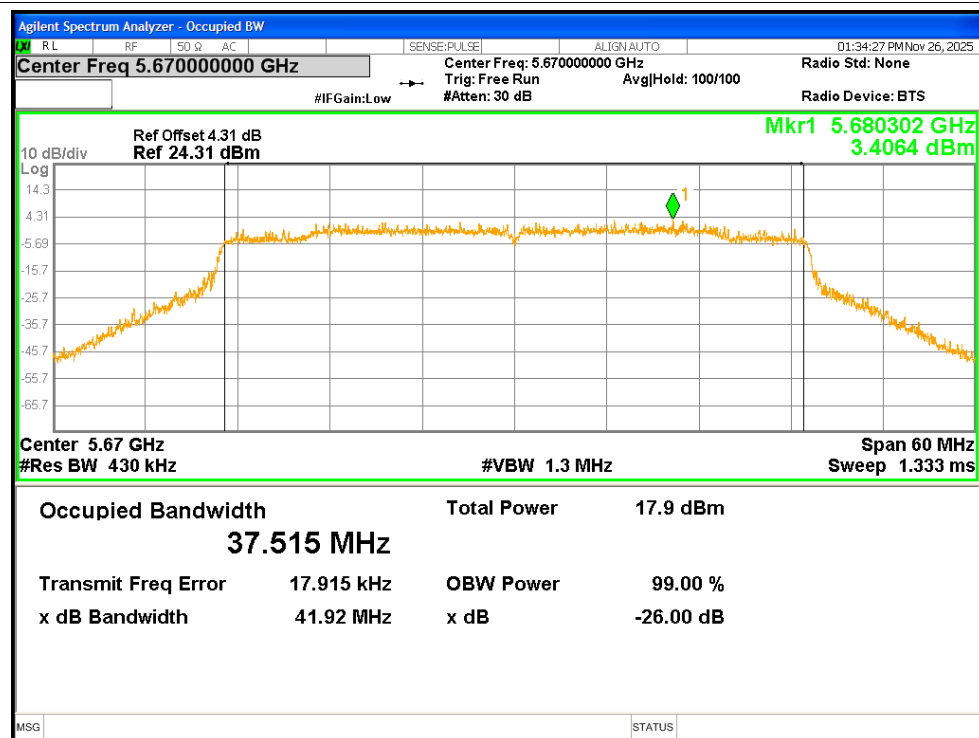
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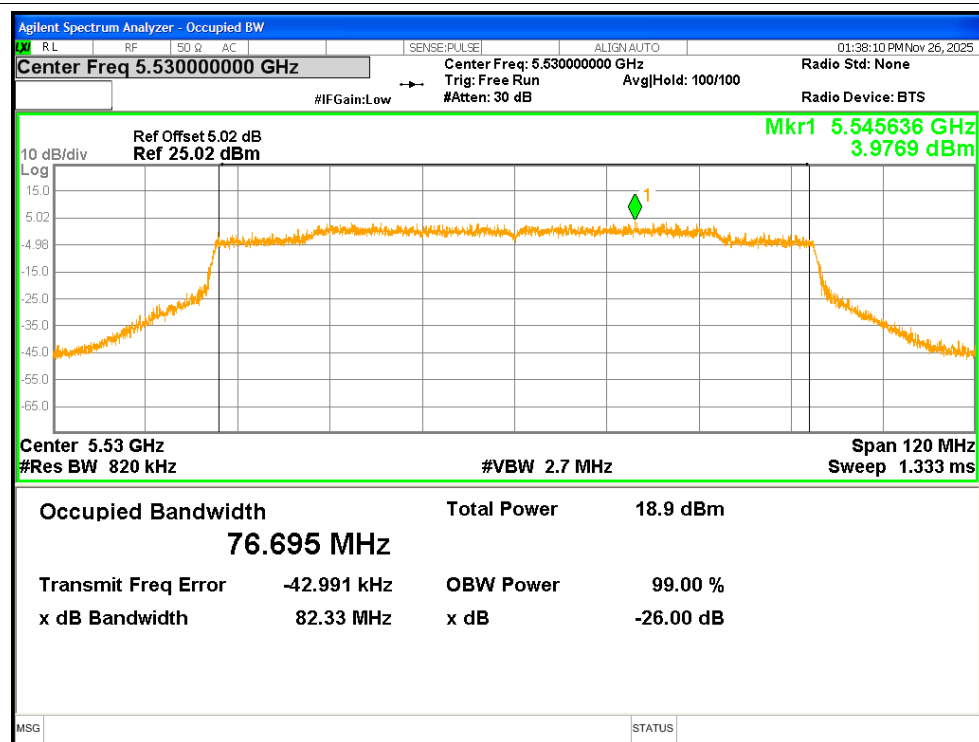
OBW NVNT ax40 5550MHz

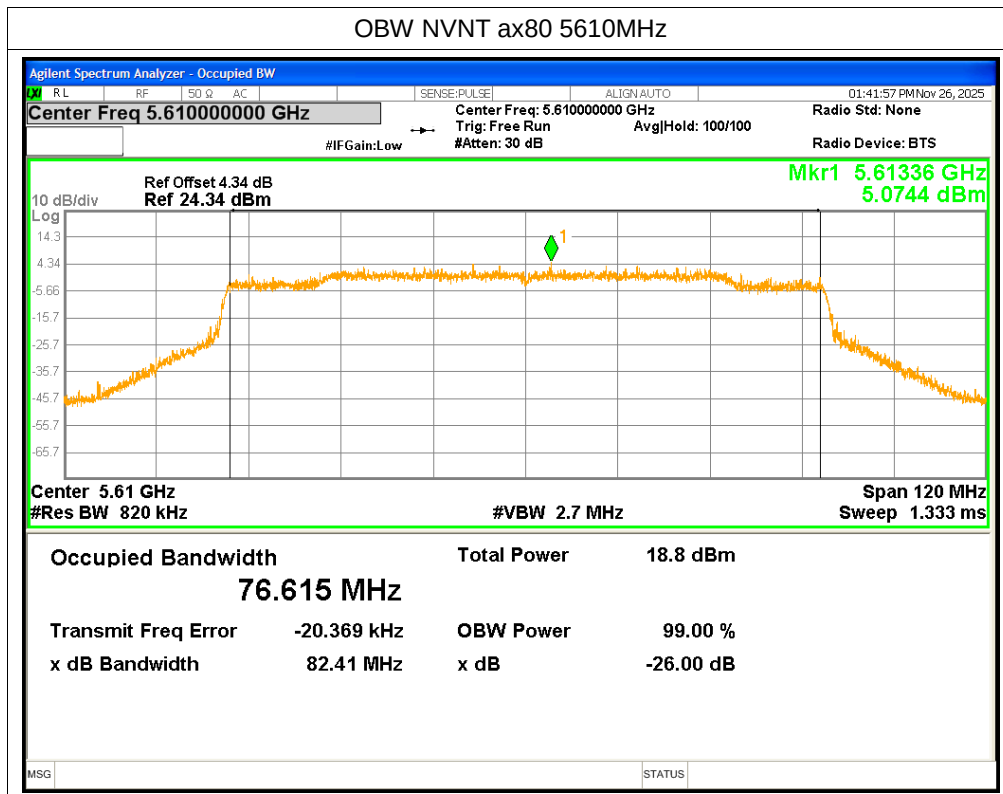


OBW NVNT ax40 5670MHz



OBW NVNT ax80 5530MHz



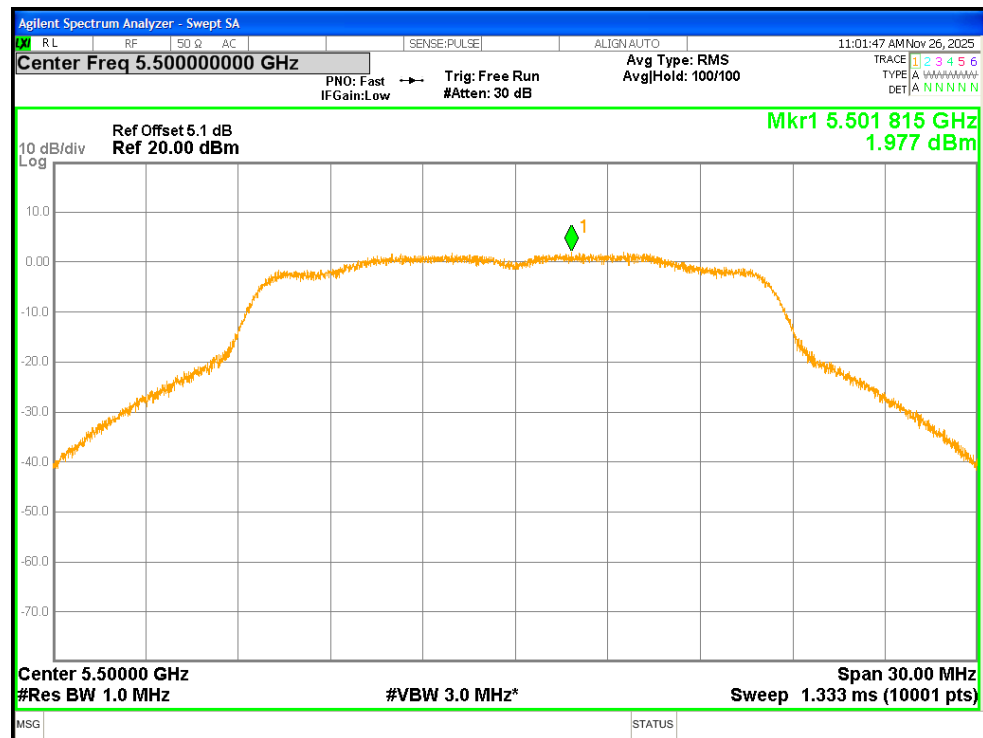


Maximum Power Spectral Density Level

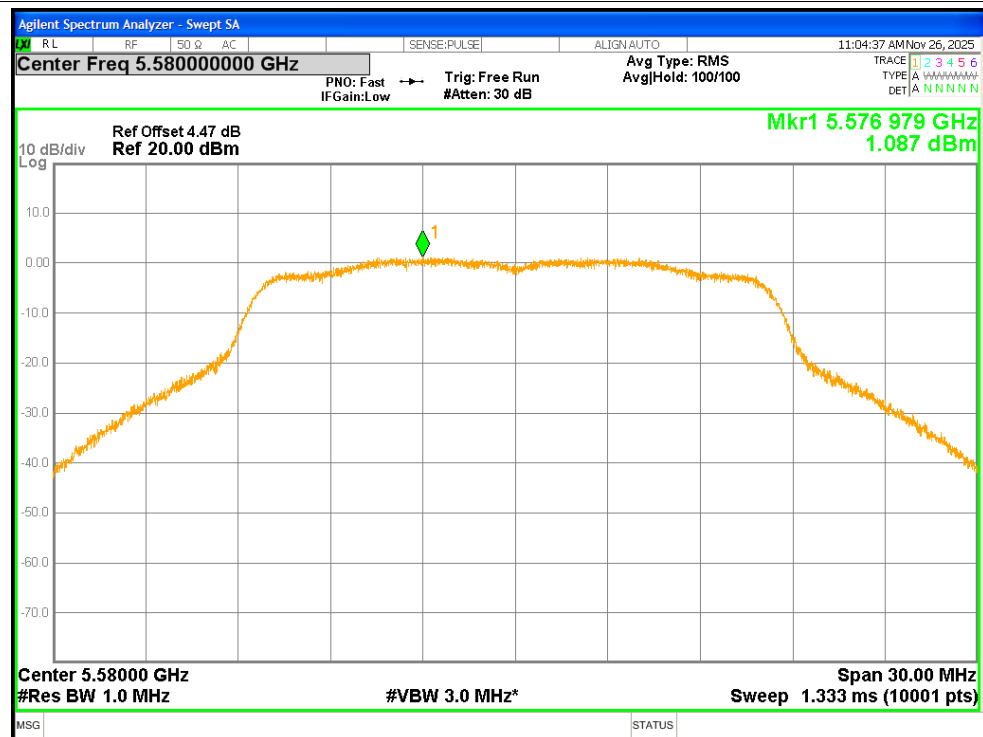
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	1.977	0.2	2.177	<=11	Pass
NVNT	a	5580	1.087	0.2	1.287	<=11	Pass
NVNT	a	5700	1.696	0.2	1.896	<=11	Pass
NVNT	n20	5500	2.823	0.2	3.023	<=11	Pass
NVNT	n20	5580	2.597	0.2	2.797	<=11	Pass
NVNT	n20	5700	2.133	0.2	2.333	<=11	Pass
NVNT	n40	5510	-0.781	0.2	-0.581	<=11	Pass
NVNT	n40	5550	-1.24	0.2	-1.04	<=11	Pass
NVNT	n40	5670	-1.32	0.2	-1.12	<=11	Pass
NVNT	ac20	5500	1.695	0.21	1.905	<=11	Pass
NVNT	ac20	5580	1.332	0.21	1.542	<=11	Pass
NVNT	ac20	5700	1.875	0.21	2.085	<=11	Pass
NVNT	ac40	5510	-0.989	0.22	-0.769	<=11	Pass
NVNT	ac40	5550	-1.748	0.21	-1.538	<=11	Pass
NVNT	ac40	5670	-2.2	0.21	-1.99	<=11	Pass
NVNT	ac80	5530	-4.254	0.21	-4.044	<=11	Pass
NVNT	ac80	5610	-5.255	0.21	-5.045	<=11	Pass
NVNT	ax20	5500	1.81	0.2	2.01	<=11	Pass
NVNT	ax20	5580	1.645	0.2	1.845	<=11	Pass
NVNT	ax20	5700	0.787	0.2	0.987	<=11	Pass
NVNT	ax40	5510	-1.289	0.21	-1.079	<=11	Pass
NVNT	ax40	5550	-2.148	0.22	-1.928	<=11	Pass
NVNT	ax40	5670	-2.483	0.21	-2.273	<=11	Pass
NVNT	ax80	5530	-4.434	0.21	-4.224	<=11	Pass
NVNT	ax80	5610	-4.687	0.21	-4.477	<=11	Pass

Test Graphs

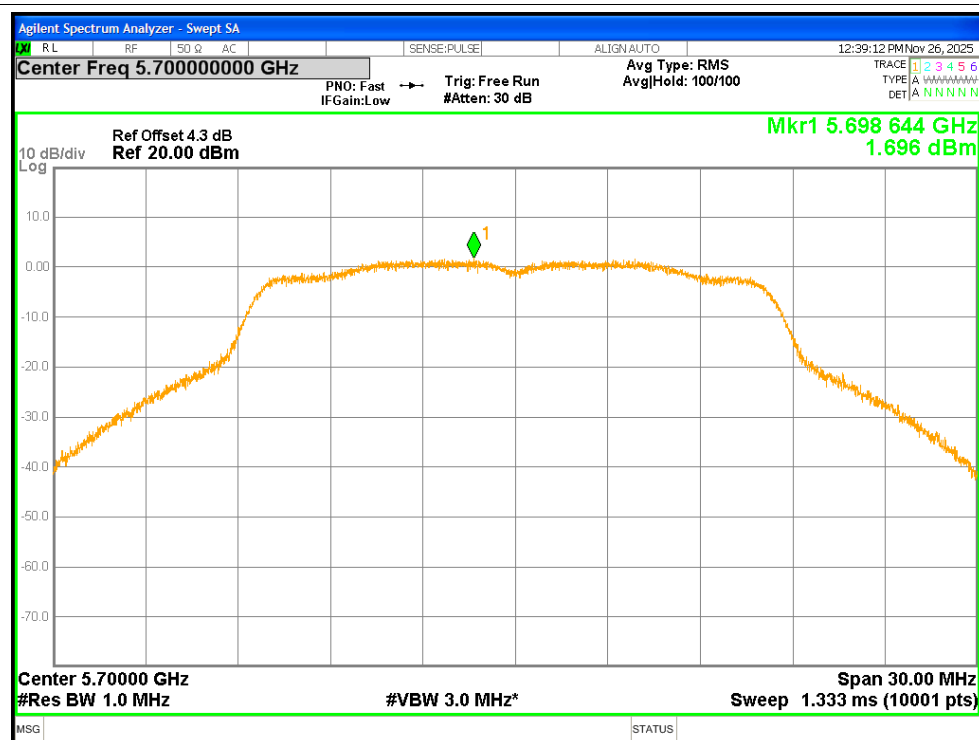
PSD NVNT a 5500MHz



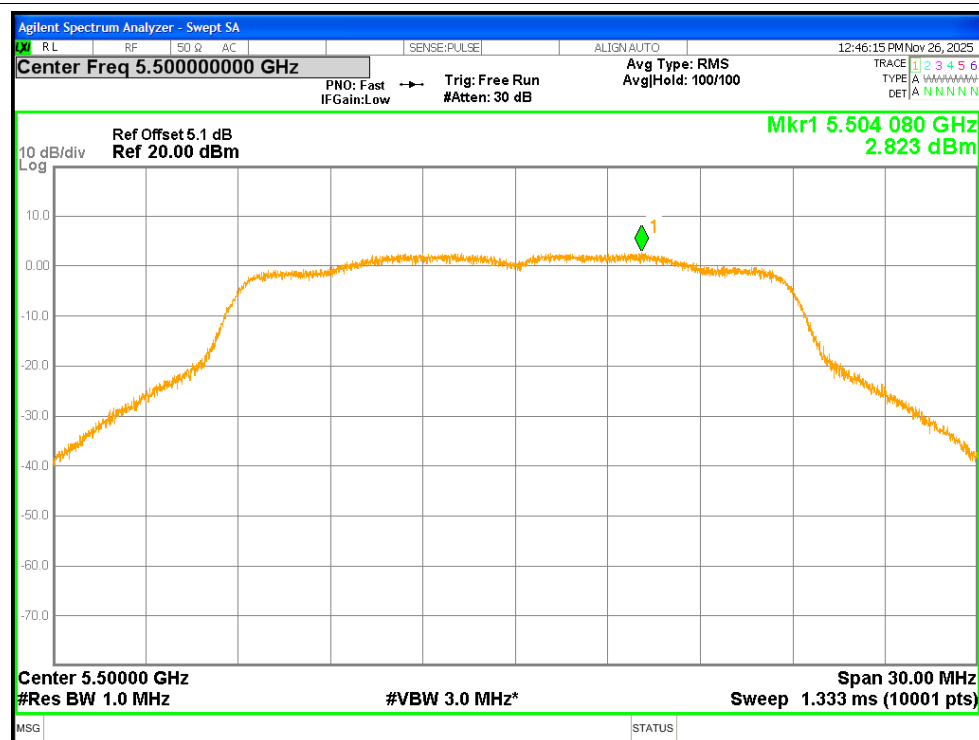
PSD NVNT a 5580MHz



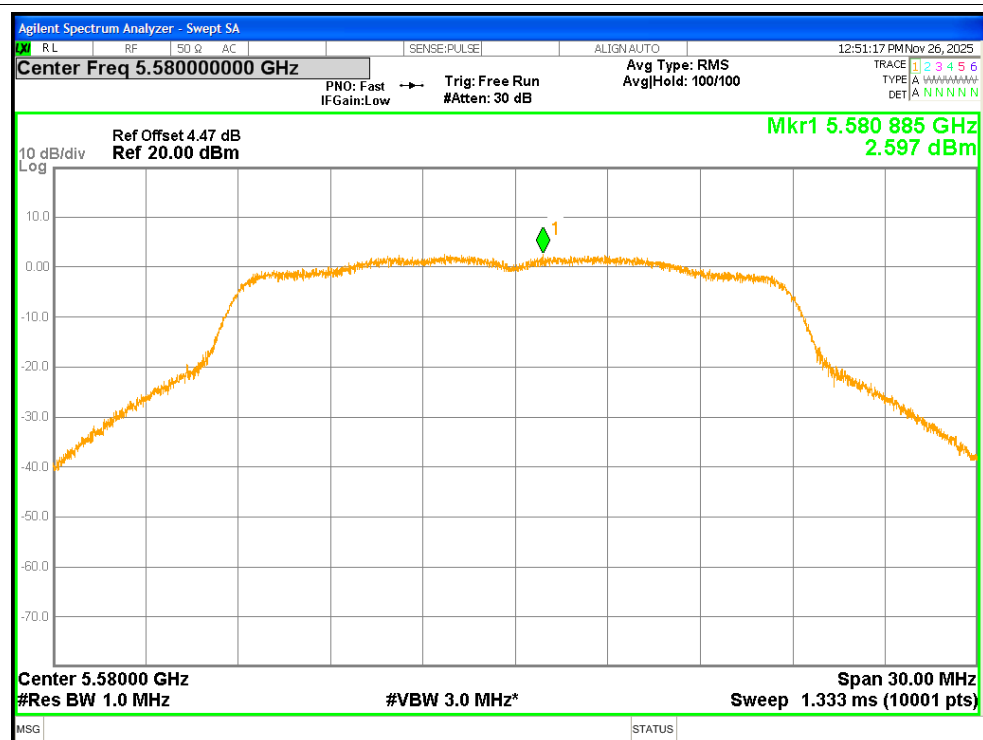
PSD NVNT a 5700MHz



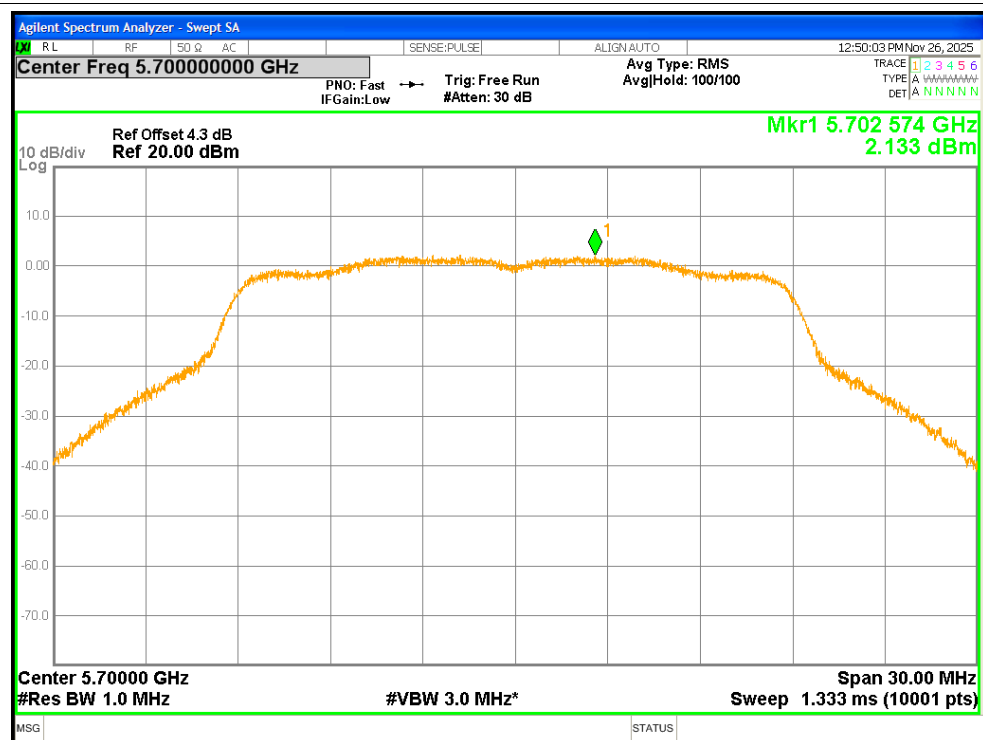
PSD NVNT n20 5500MHz



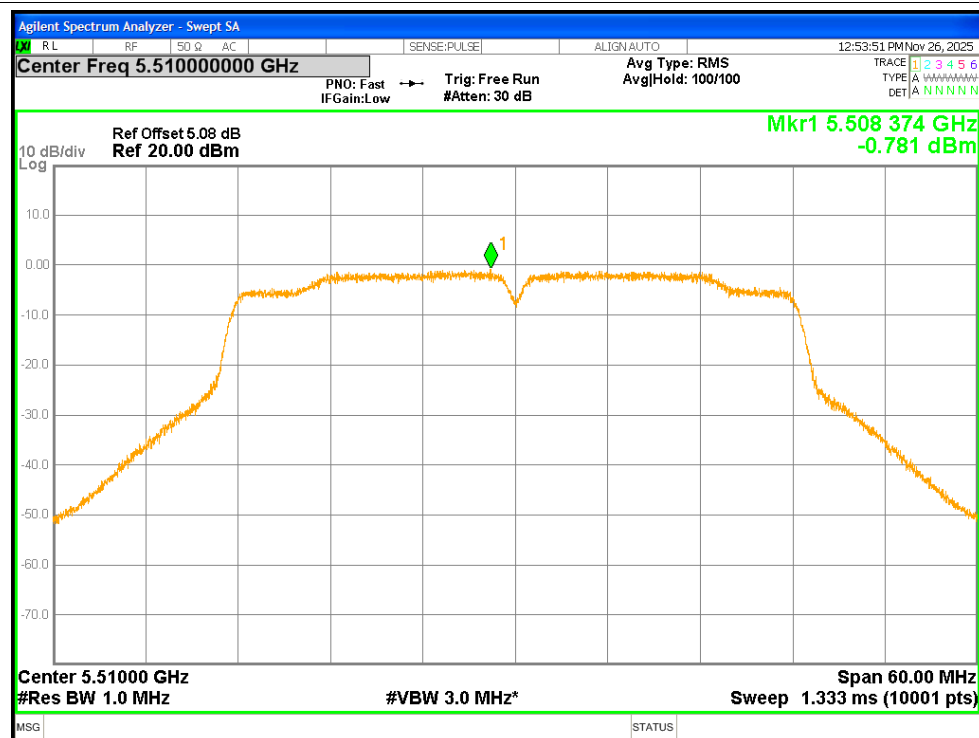
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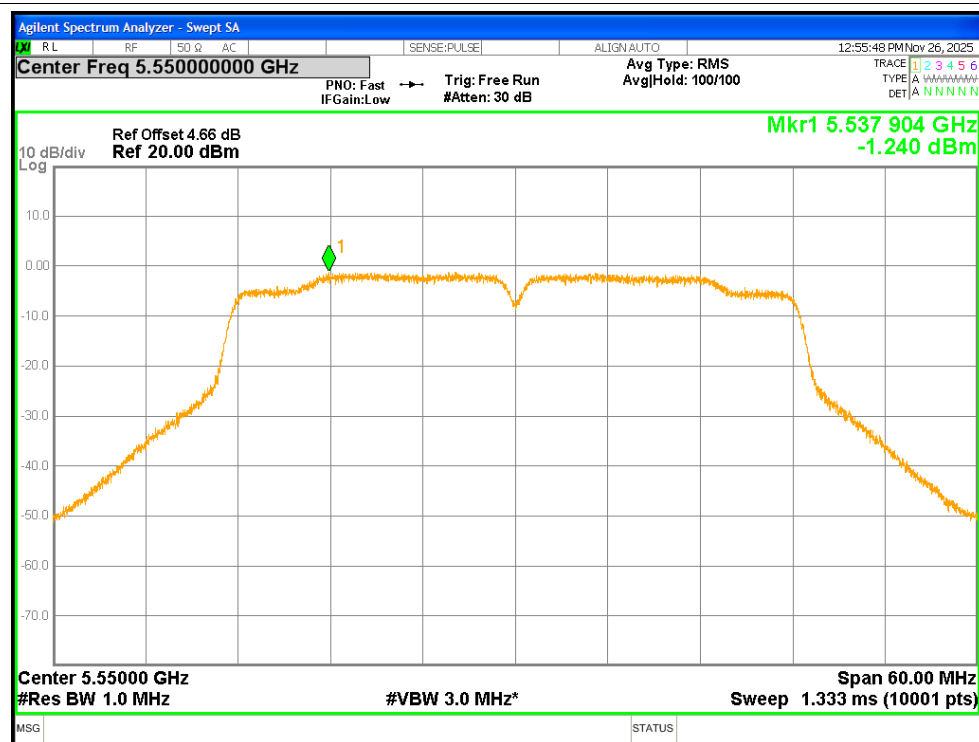
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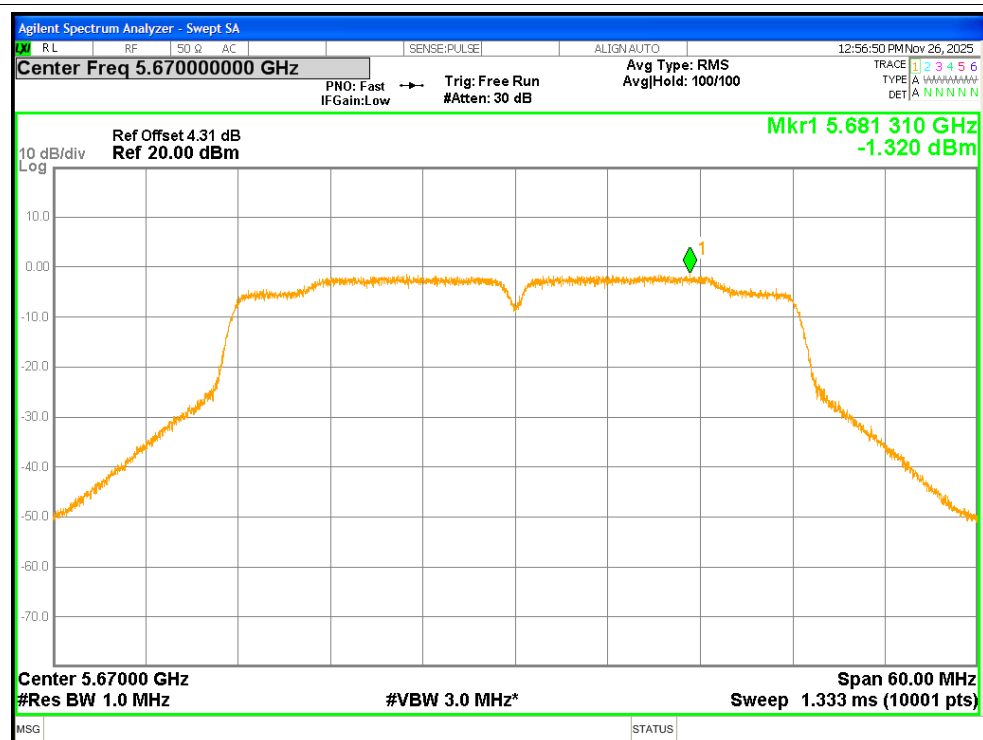
PSD NVNT n40 5510MHz



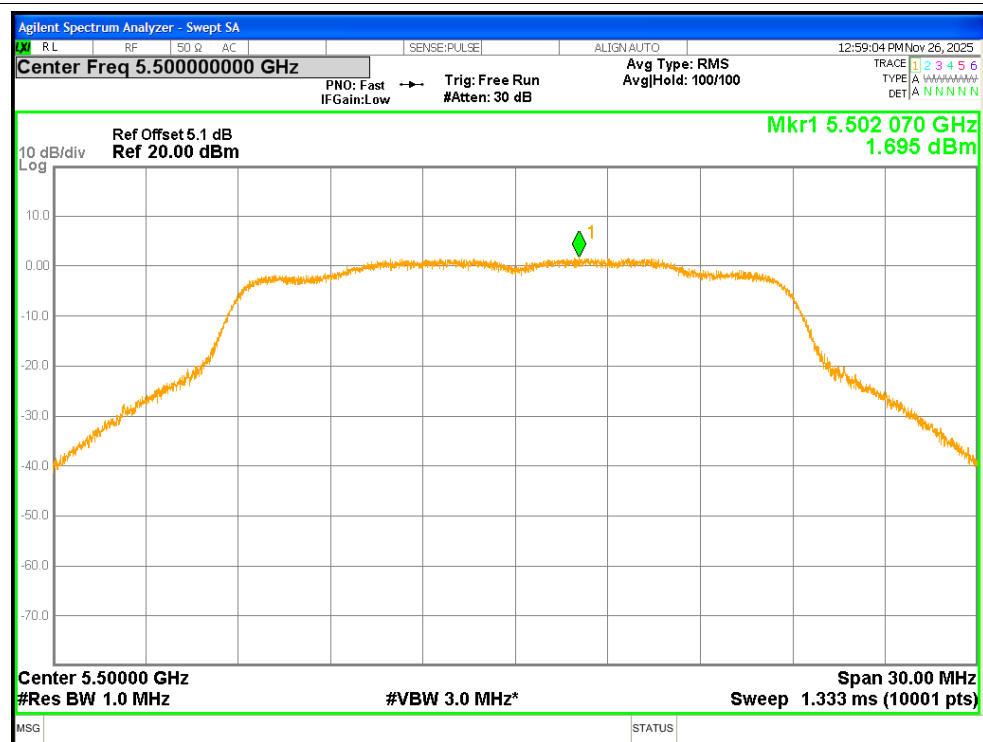
PSD NVNT n40 5550MHz



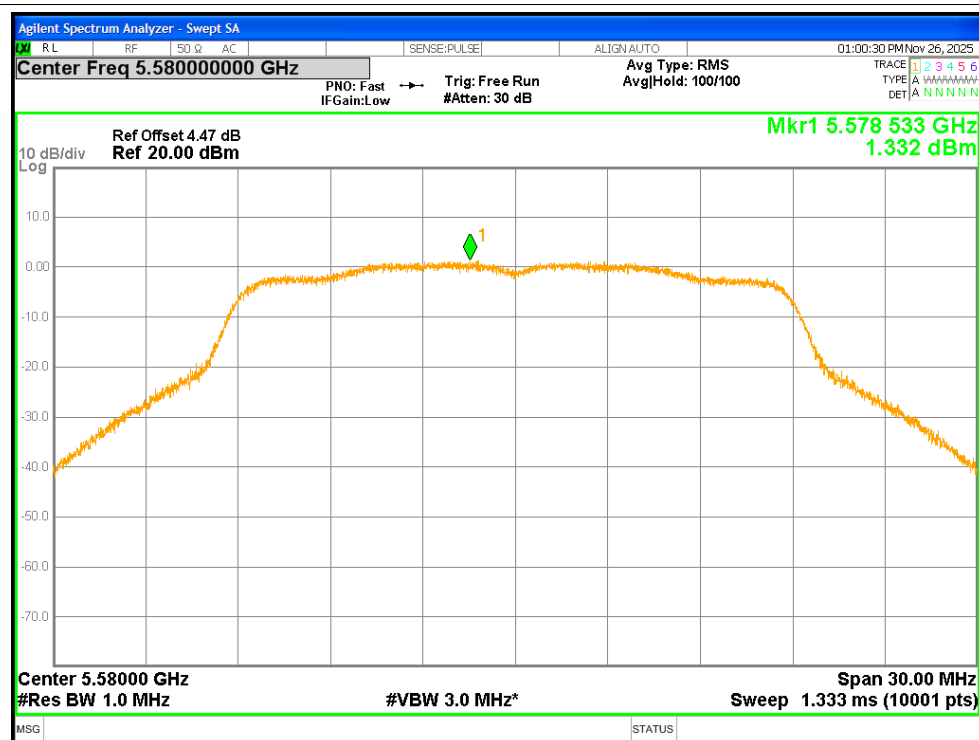
PSD NVNT n40 5670MHz



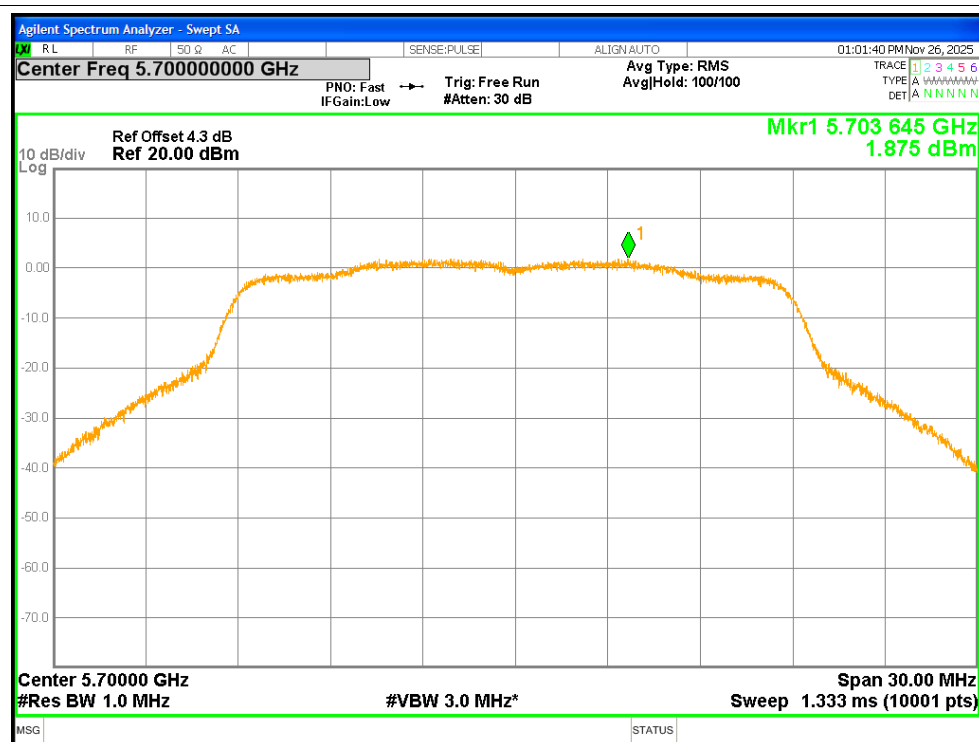
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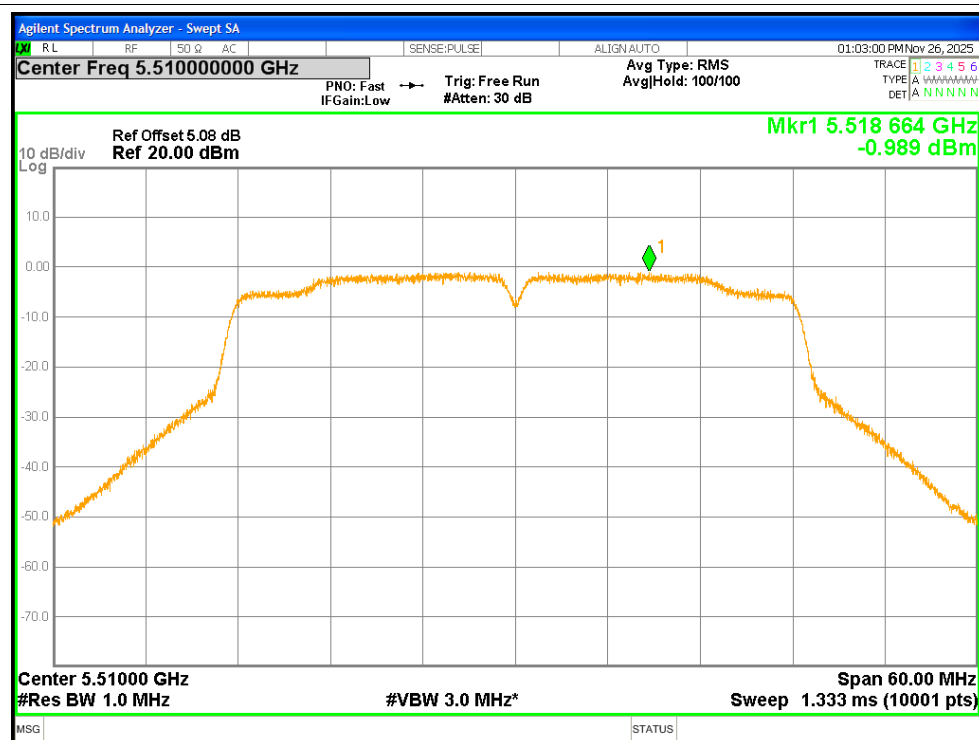
PSD NVNT ac20 5580MHz



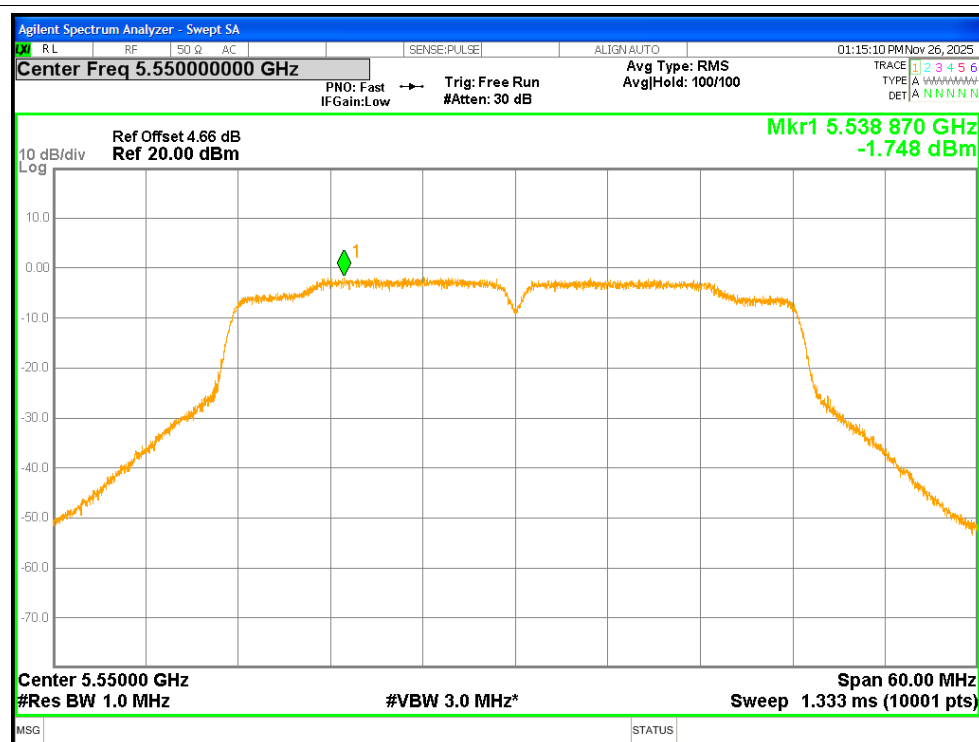
PSD NVNT ac20 5700MHz



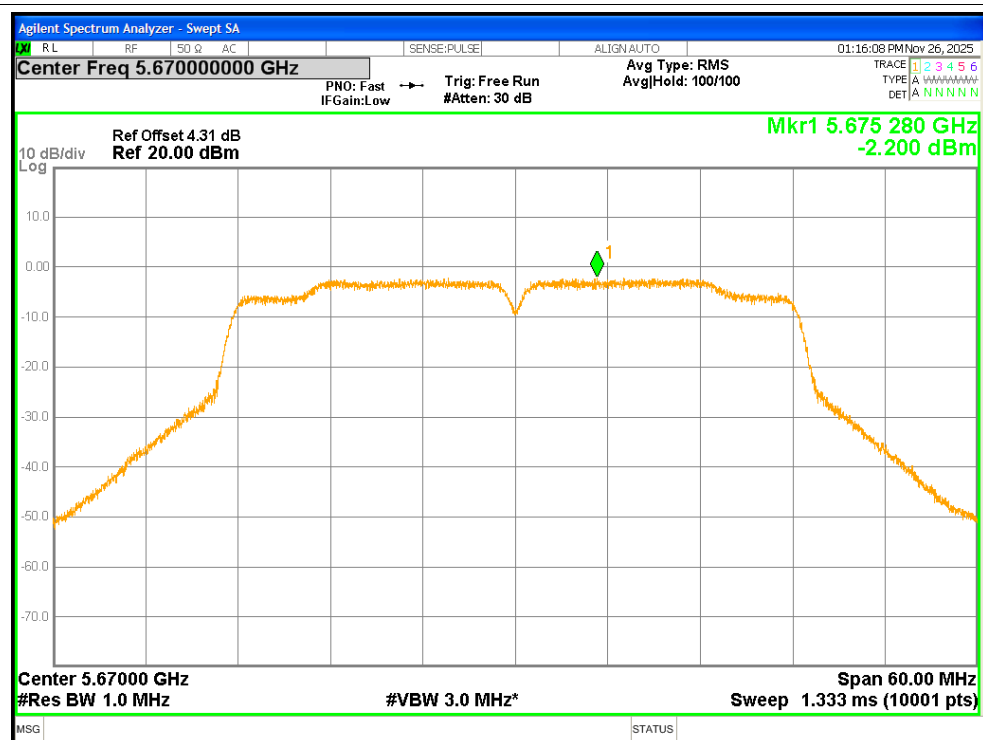
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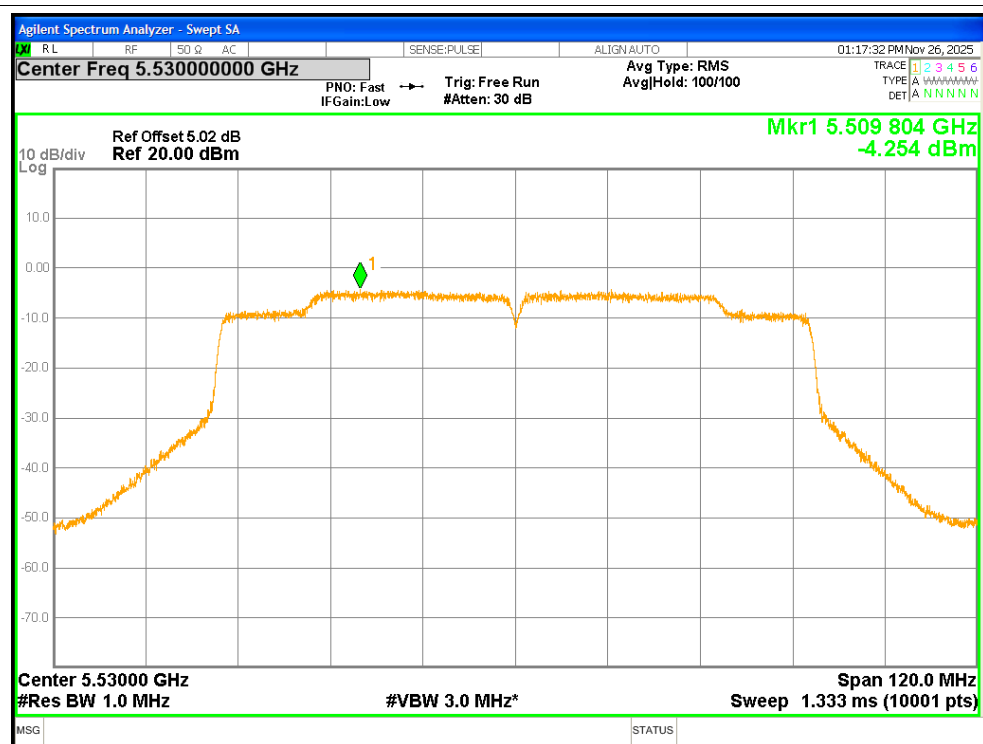
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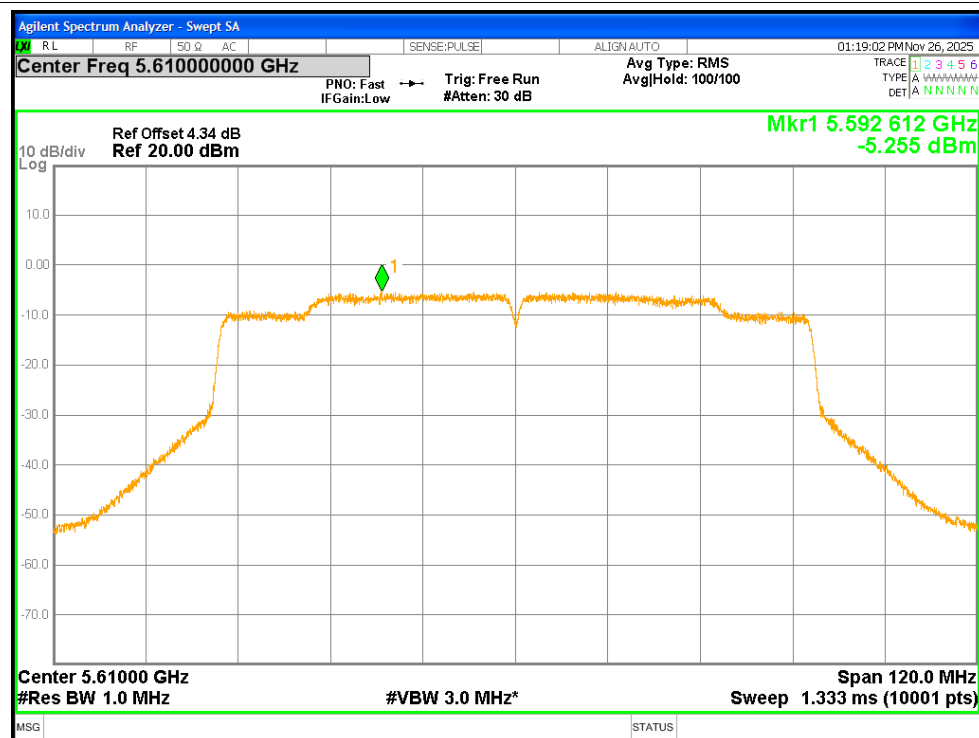
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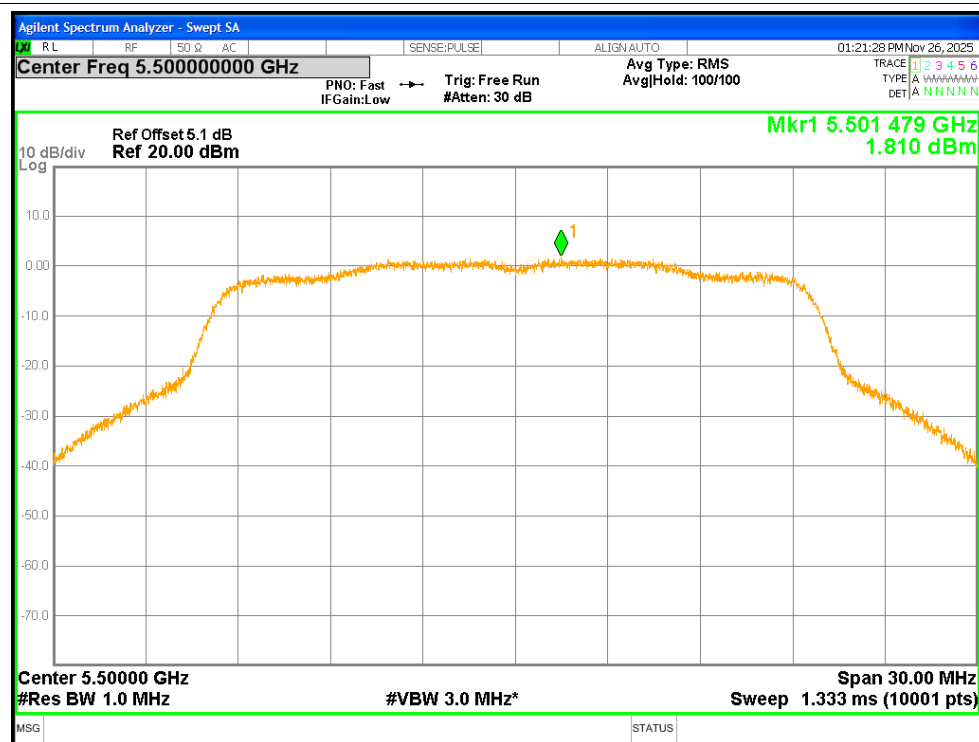
PSD NVNT ac80 5530MHz



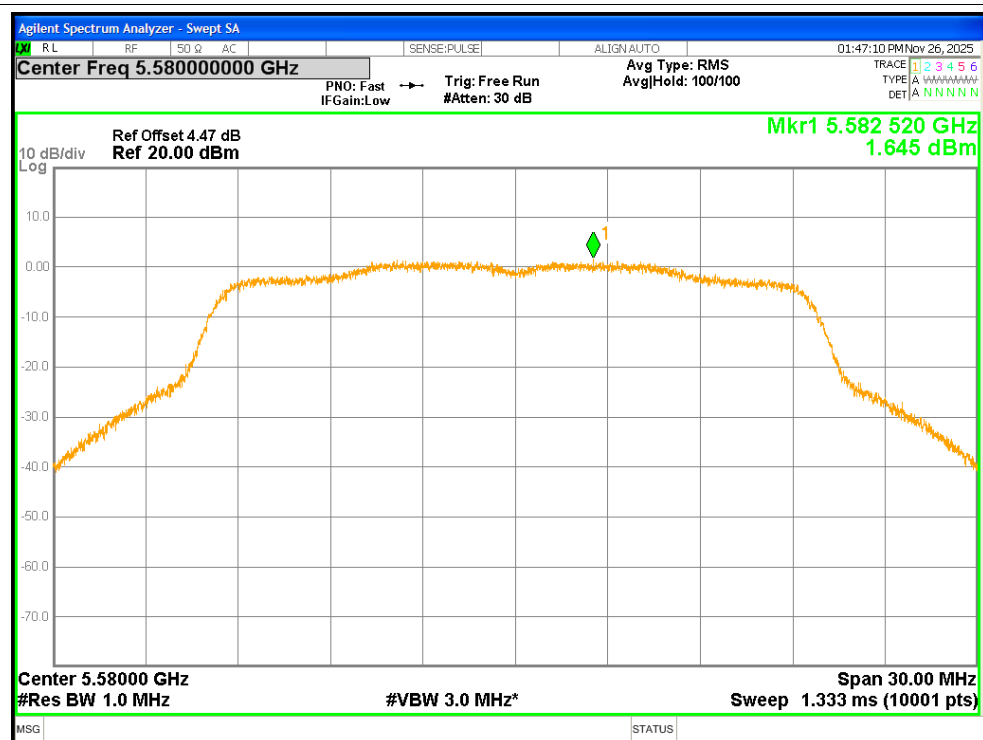
PSD NVNT ac80 5610MHz



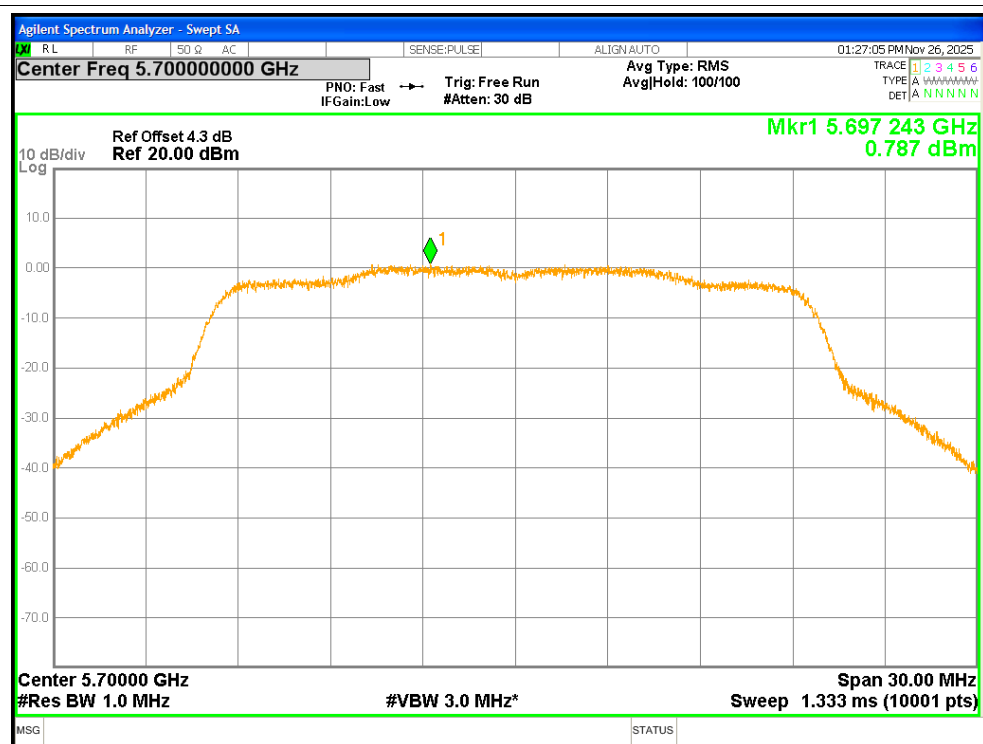
PSD NVNT ax20 5500MHz



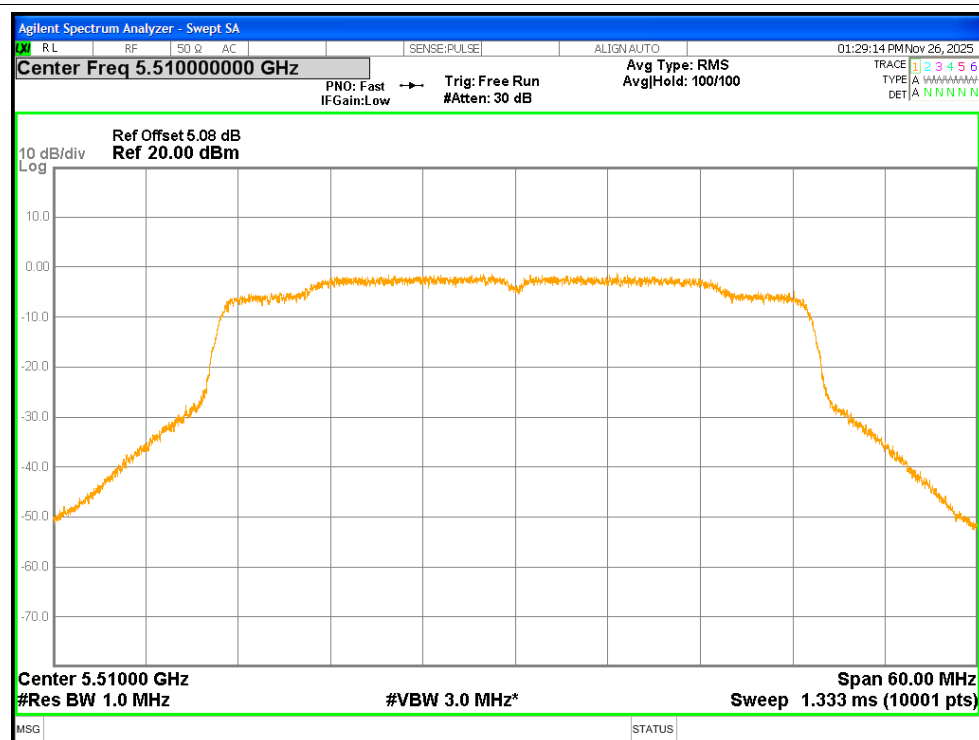
PSD NVNT ax20 5580MHz



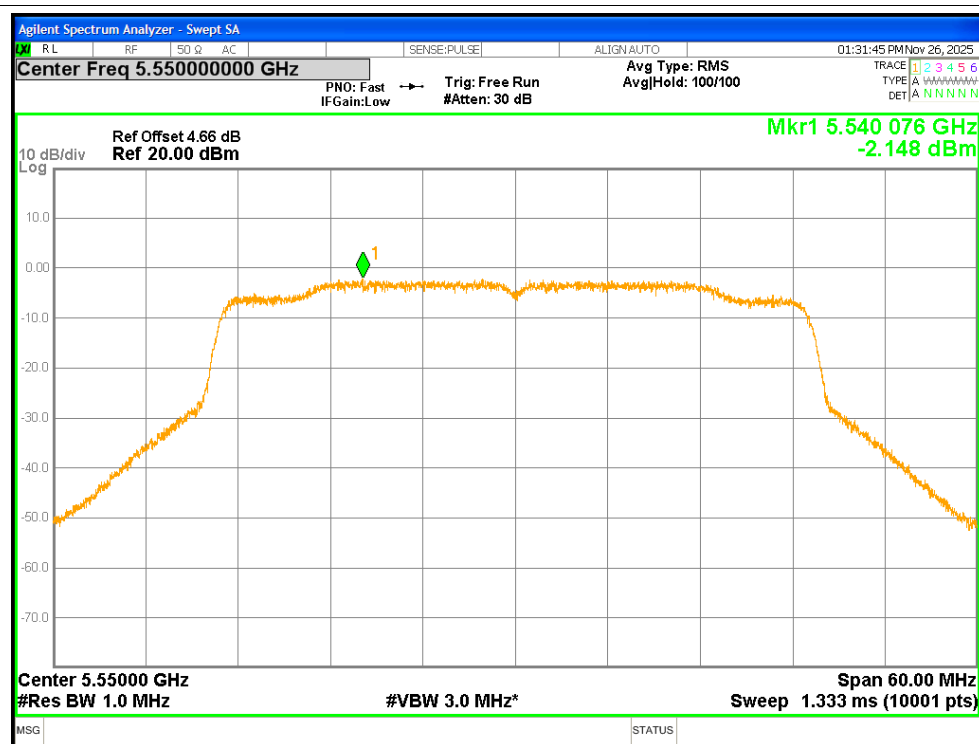
PSD NVNT ax20 5700MHz



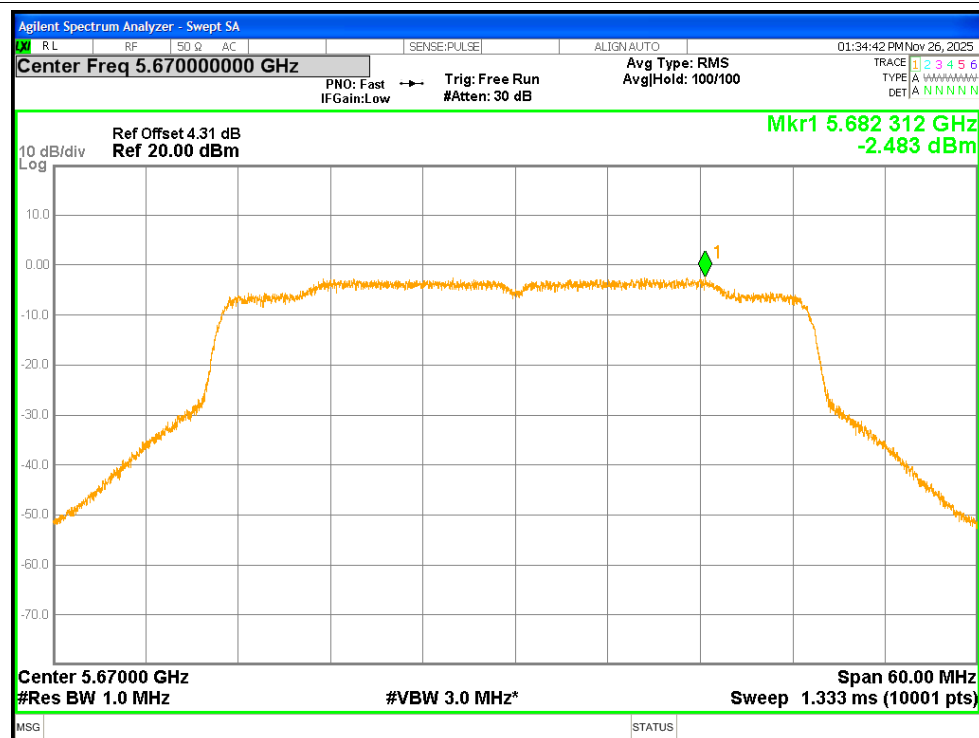
PSD NVNT ax40 5510MHz



PSD NVNT ax40 5550MHz



PSD NVNT ax40 5670MHz



PSD NVNT ax80 5530MHz

