

1. Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	92.94	0.32	0.48
NVNT	a	5200	Ant1	92.24	0.35	0.48
NVNT	a	5240	Ant1	92.56	0.34	0.48
NVNT	a	5180	Ant2	92.19	0.35	0.48
NVNT	a	5200	Ant2	92.56	0.34	0.48
NVNT	a	5240	Ant2	92.19	0.35	0.48
NVNT	ac20	5180	Sum	91.83	0.37	0.52
NVNT	ac20	5200	Sum	91.49	0.39	0.52
NVNT	ac20	5240	Sum	92.23	0.35	0.52
NVNT	ac40	5190	Sum	84.15	0.75	1.05
NVNT	ac40	5230	Sum	84.72	0.72	1.05
NVNT	ac80	5210	Sum	71.17	1.48	2.16
NVNT	n20	5180	Sum	92.45	0.34	0.52
NVNT	n20	5200	Sum	92.45	0.34	0.52
NVNT	n20	5240	Sum	92.45	0.34	0.52
NVNT	n40	5190	Sum	85.07	0.7	1.06
NVNT	n40	5230	Sum	85.07	0.7	1.06

Test Graphs

Duty Cycle NVNT a 5180MHz Ant1	
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Agilent Spectrum Analyzer - Swept SA



Duty Cycle NVNT a 5240MHz Ant1

Duty Cycle NVNT a 5200MHz Ant2

Duty Cycle NVNT ac20 5180MHz Sum

Duty Cycle NVNT ac20 5240MHz Sum

Duty Cycle NVNT ac40 5230MHz Sum

Duty Cycle NVNT n20 5180MHz Sum

Duty Cycle NVNT n20 5240MHz Sum

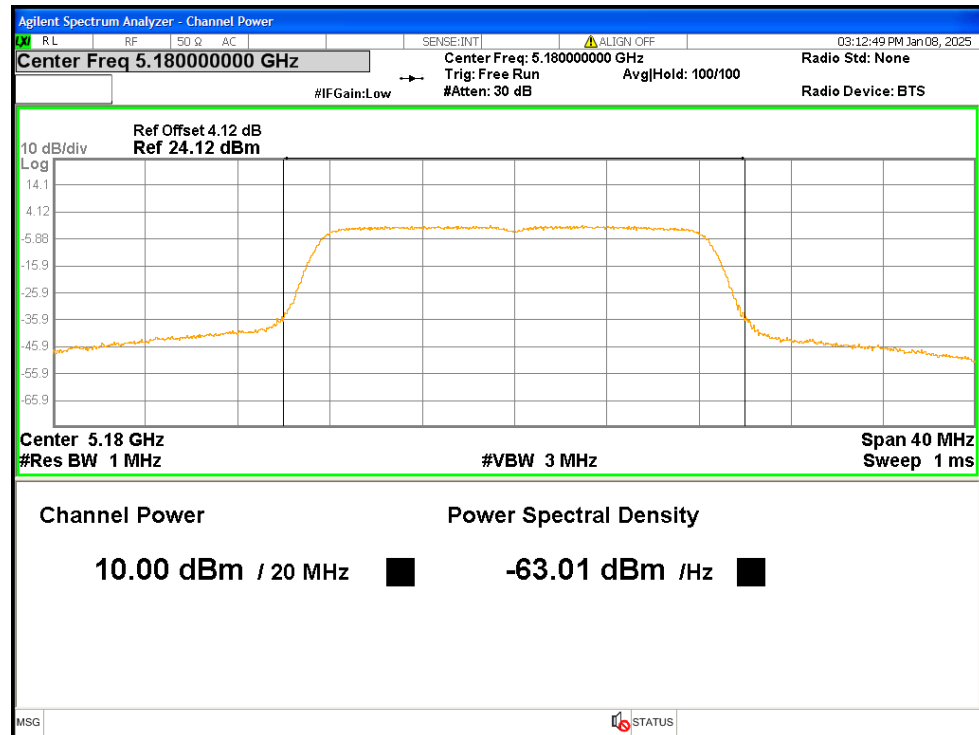
[illegible]

2. Maximum Conducted Output Power

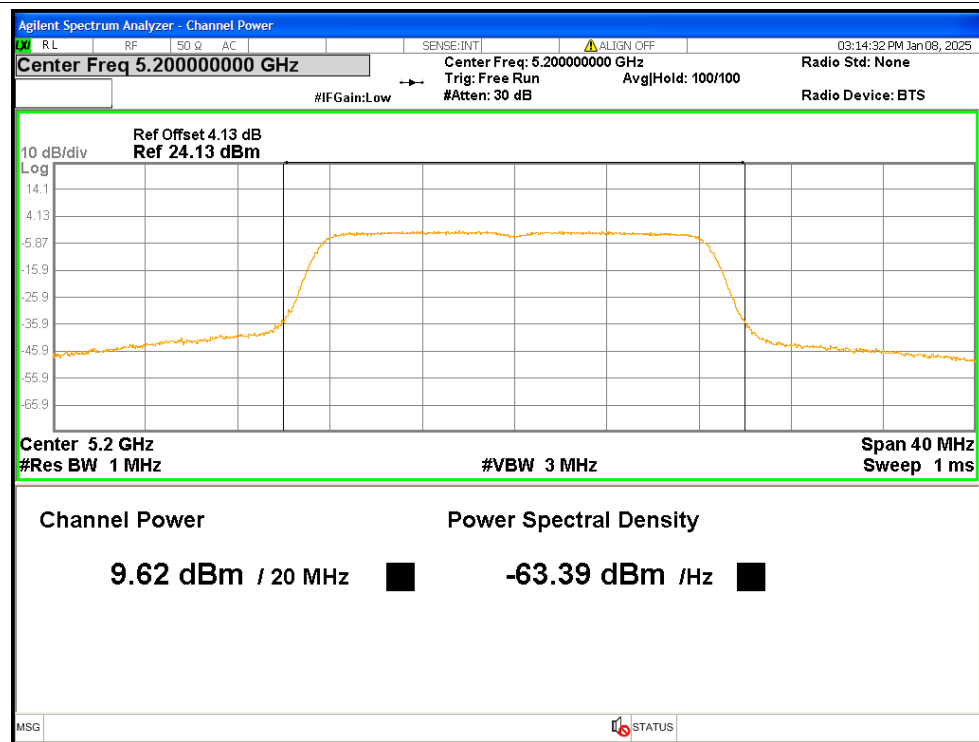
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10	0.32	10.32	<=24	Pass
NVNT	a	5200	Ant1	9.62	0.35	9.97	<=24	Pass
NVNT	a	5240	Ant1	10.83	0.34	11.17	<=24	Pass
NVNT	a	5180	Ant2	10.85	0.35	11.2	<=24	Pass
NVNT	a	5200	Ant2	11.17	0.34	11.51	<=24	Pass
NVNT	a	5240	Ant2	11.98	0.35	12.33	<=24	Pass
NVNT	ac20	5180	Ant1	8.51	0.37	8.88	<=24	Pass
NVNT	ac20	5180	Ant2	9.76	0.37	10.13	<=24	Pass
NVNT	ac20	5180	Sum	12.19	0.37	12.56	<=21.78	Pass
NVNT	ac20	5200	Ant1	8.17	0.39	8.56	<=24	Pass
NVNT	ac20	5200	Ant2	10.18	0.39	10.57	<=24	Pass
NVNT	ac20	5200	Sum	12.3	0.39	12.69	<=21.78	Pass
NVNT	ac20	5240	Ant1	9.25	0.35	9.6	<=24	Pass
NVNT	ac20	5240	Ant2	10.72	0.35	11.07	<=24	Pass
NVNT	ac20	5240	Sum	13.06	0.35	13.41	<=21.78	Pass
NVNT	ac40	5190	Ant1	7.63	0.75	8.38	<=24	Pass
NVNT	ac40	5190	Ant2	8.97	0.75	9.72	<=24	Pass
NVNT	ac40	5190	Sum	11.36	0.75	12.11	<=21.78	Pass
NVNT	ac40	5230	Ant1	8.43	0.72	9.15	<=24	Pass
NVNT	ac40	5230	Ant2	10.49	0.72	11.21	<=24	Pass
NVNT	ac40	5230	Sum	12.59	0.72	13.31	<=21.78	Pass
NVNT	ac80	5210	Ant1	7.62	1.48	9.1	<=24	Pass
NVNT	ac80	5210	Ant2	9.43	1.48	10.91	<=24	Pass
NVNT	ac80	5210	Sum	11.63	1.48	13.11	<=21.78	Pass
NVNT	n20	5180	Ant1	8.45	0.34	8.79	<=24	Pass
NVNT	n20	5180	Ant2	9.59	0.34	9.93	<=24	Pass
NVNT	n20	5180	Sum	12.07	0.34	12.41	<=21.78	Pass
NVNT	n20	5200	Ant1	8.19	0.34	8.53	<=24	Pass
NVNT	n20	5200	Ant2	10.16	0.34	10.5	<=24	Pass
NVNT	n20	5200	Sum	12.3	0.34	12.64	<=21.78	Pass
NVNT	n20	5240	Ant1	9.38	0.34	9.72	<=24	Pass
NVNT	n20	5240	Ant2	10.98	0.34	11.32	<=24	Pass
NVNT	n20	5240	Sum	13.26	0.34	13.6	<=21.78	Pass
NVNT	n40	5190	Ant1	7.82	0.7	8.52	<=24	Pass
NVNT	n40	5190	Ant2	9.34	0.7	10.04	<=24	Pass
NVNT	n40	5190	Sum	11.66	0.7	12.36	<=21.78	Pass
NVNT	n40	5230	Ant1	8.54	0.7	9.24	<=24	Pass
NVNT	n40	5230	Ant2	10.27	0.7	10.97	<=24	Pass
NVNT	n40	5230	Sum	12.5	0.7	13.2	<=21.78	Pass

Test Graphs

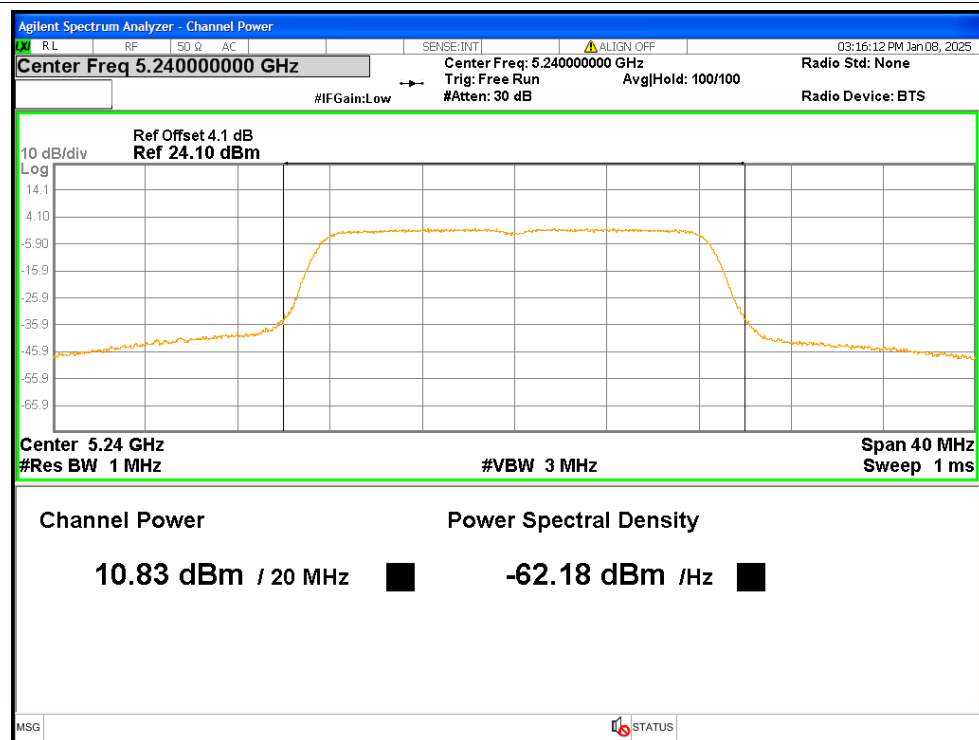
Power NVNT a 5180MHz Ant1



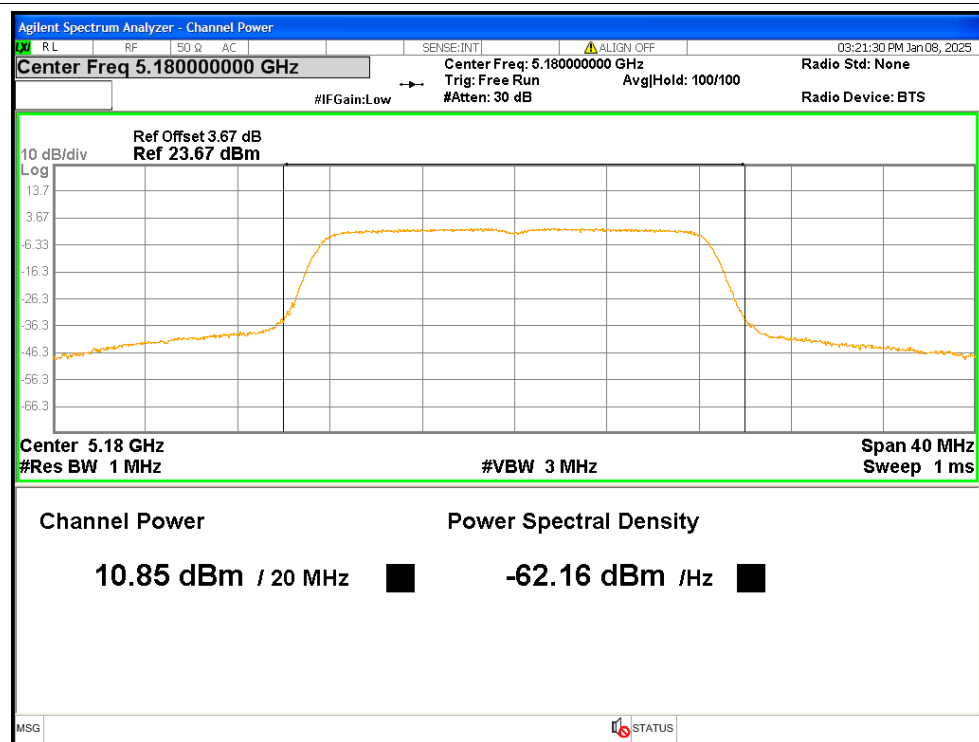
Power NVNT a 5200MHz Ant1



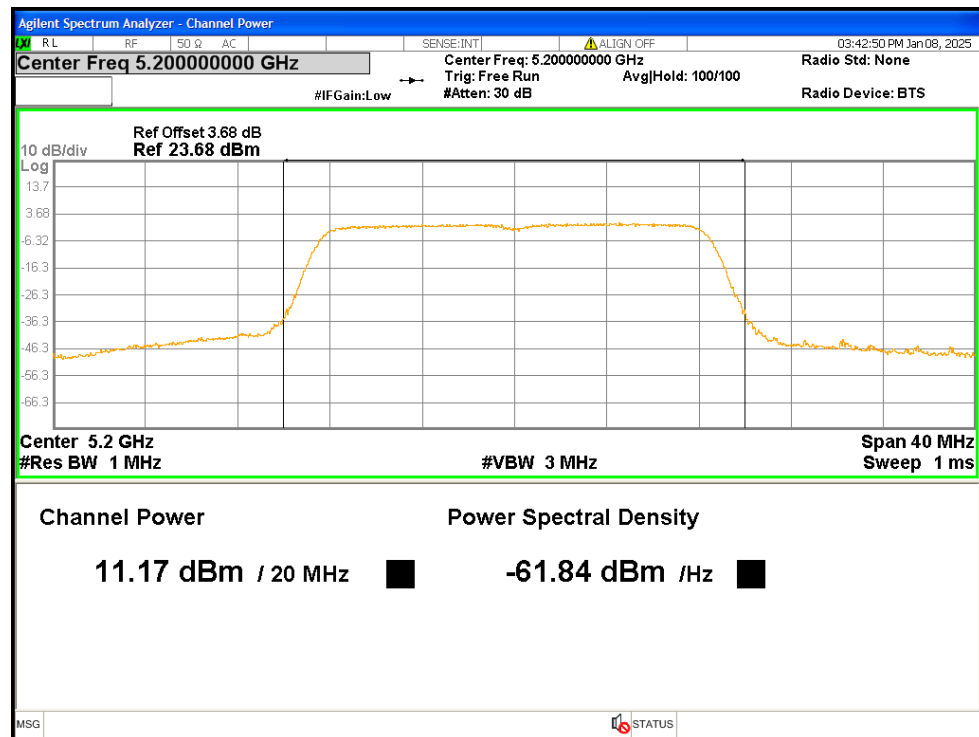
Power NVNT a 5240MHz Ant1



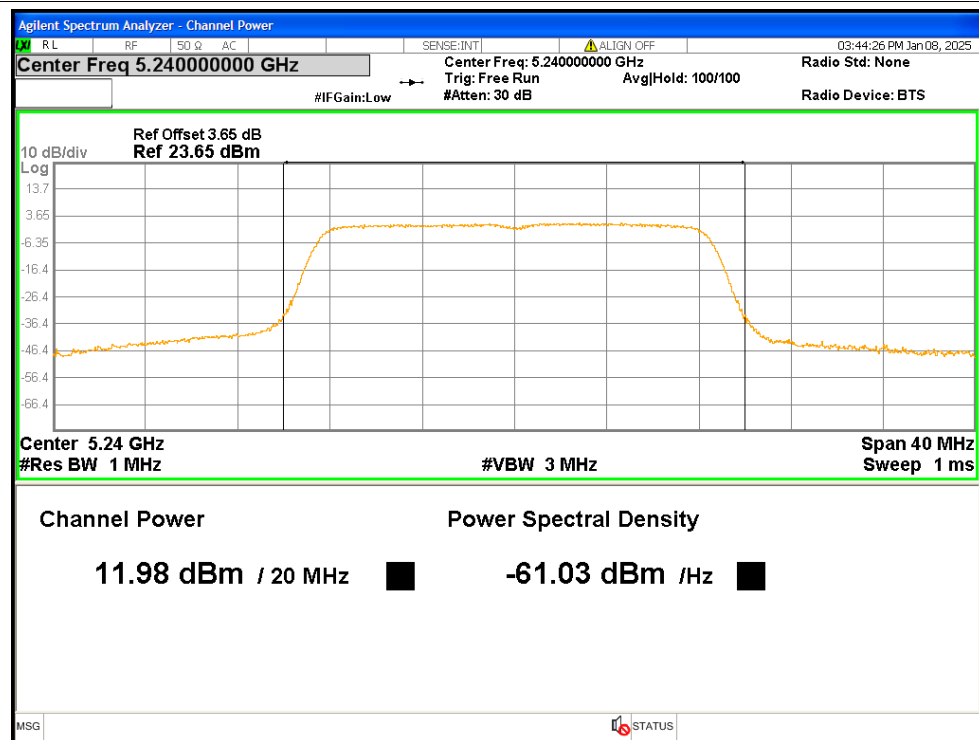
Power NVNT a 5180MHz Ant2



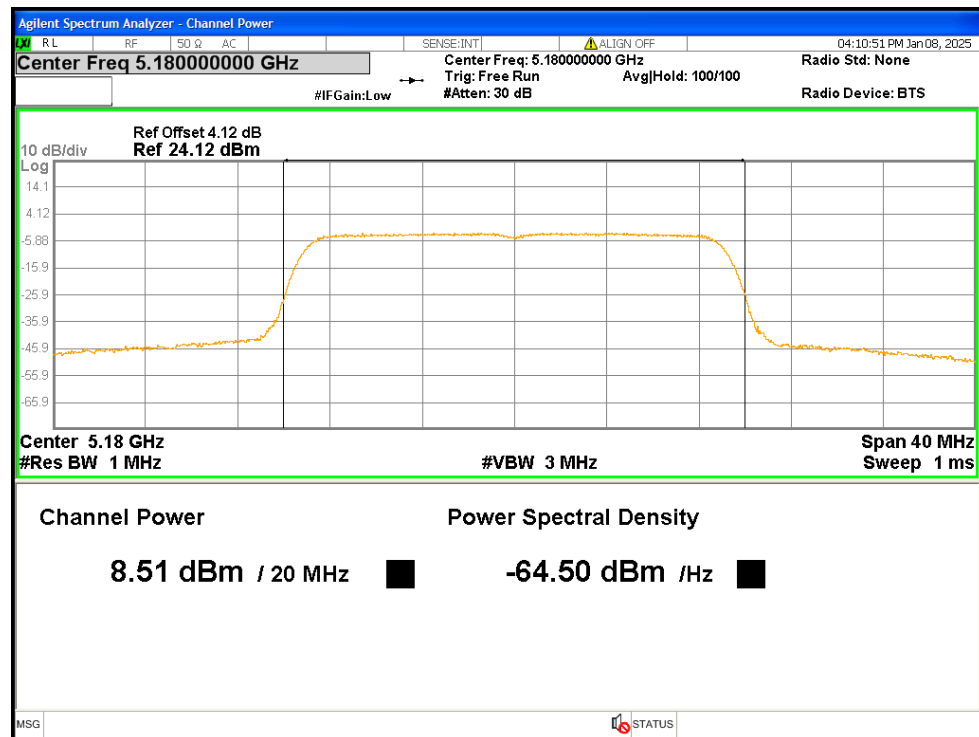
Power NVNT a 5200MHz Ant2



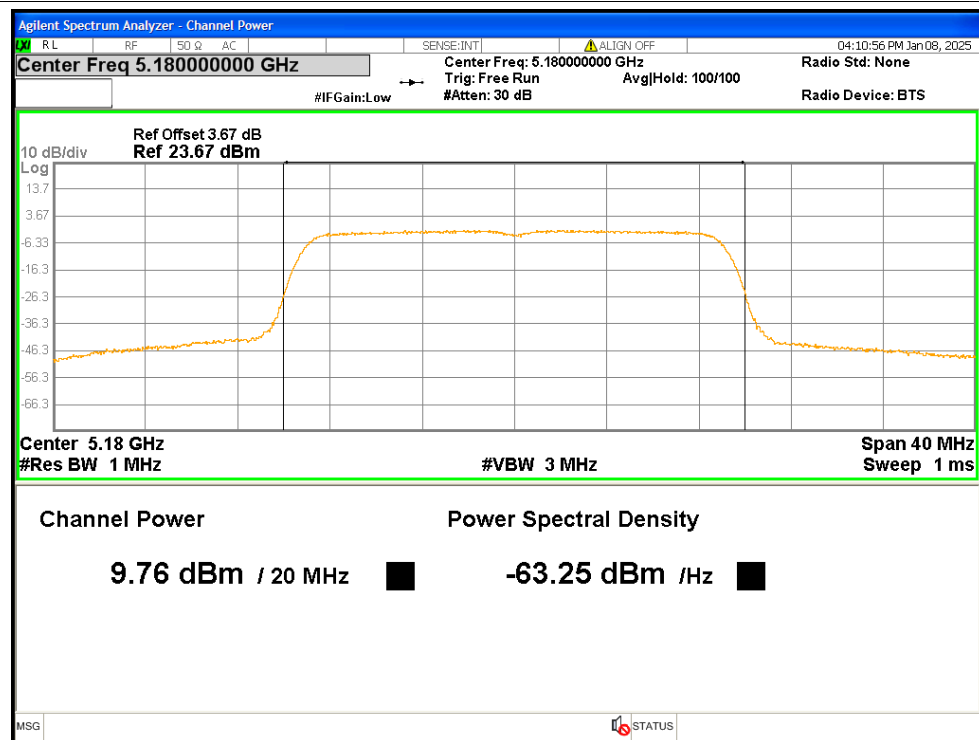
Power NVNT a 5240MHz Ant2



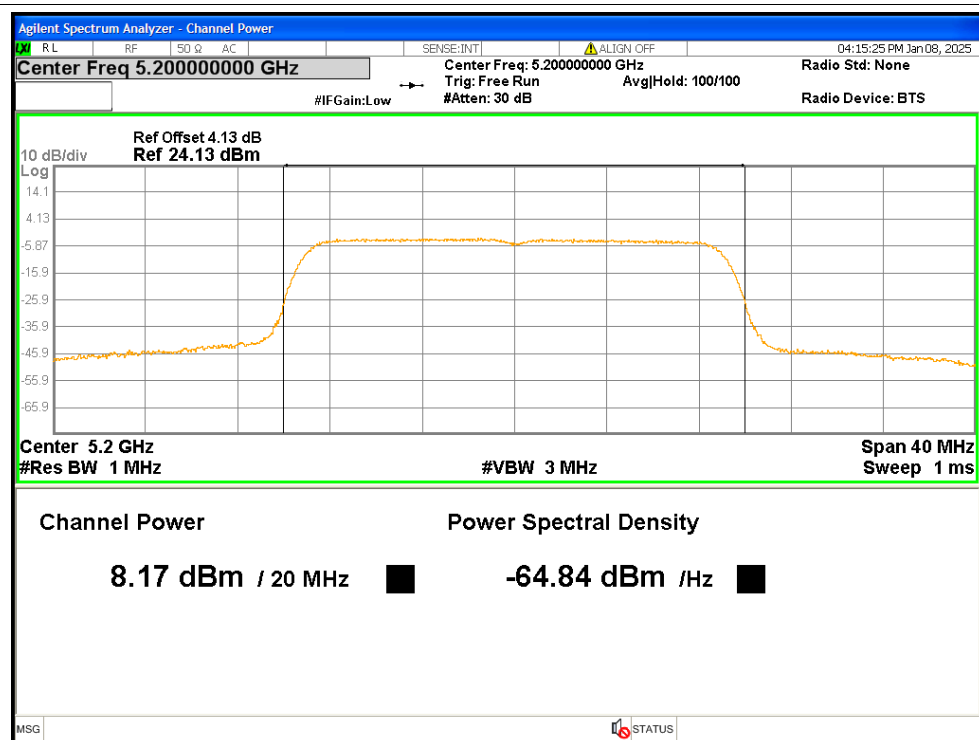
Power NVNT ac20 5180MHz Ant1



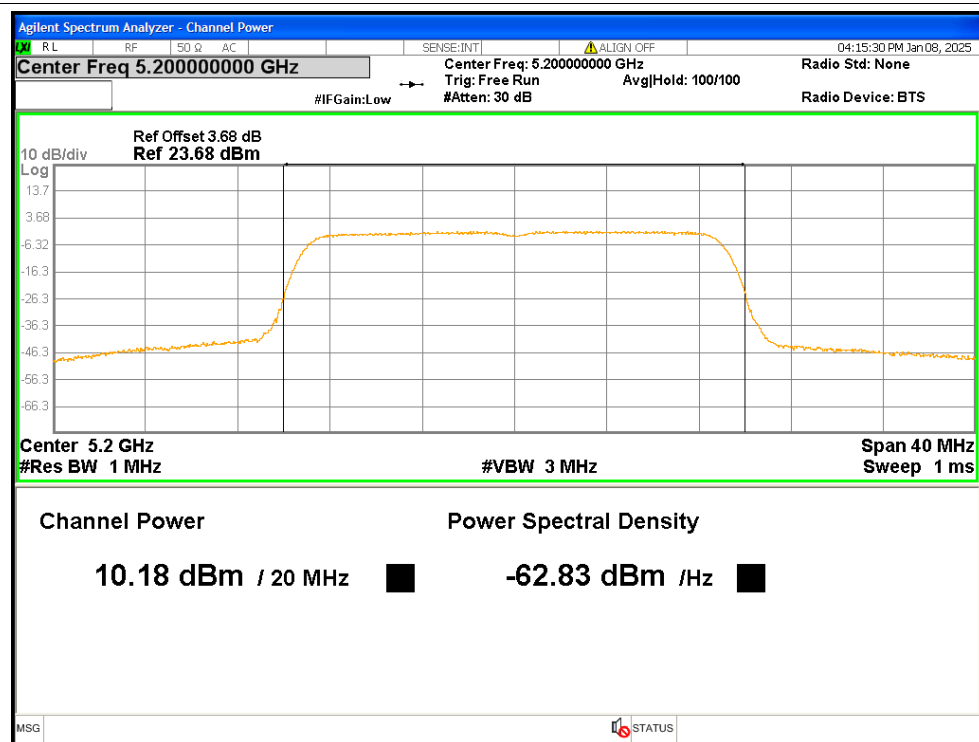
Power NVNT ac20 5180MHz Ant2



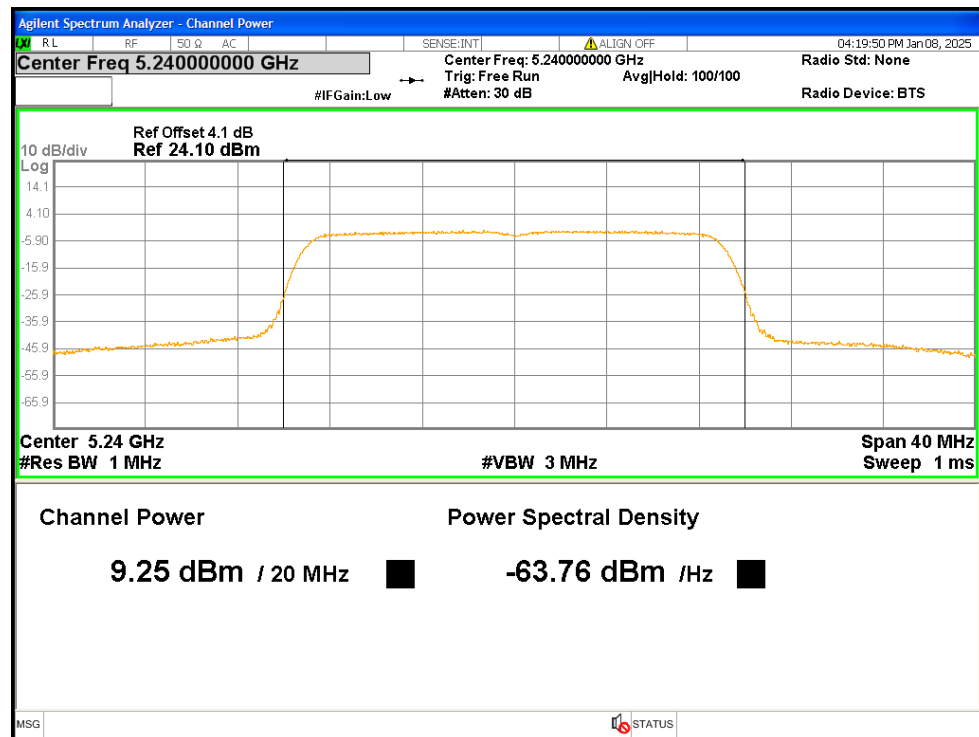
Power NVNT ac20 5200MHz Ant1



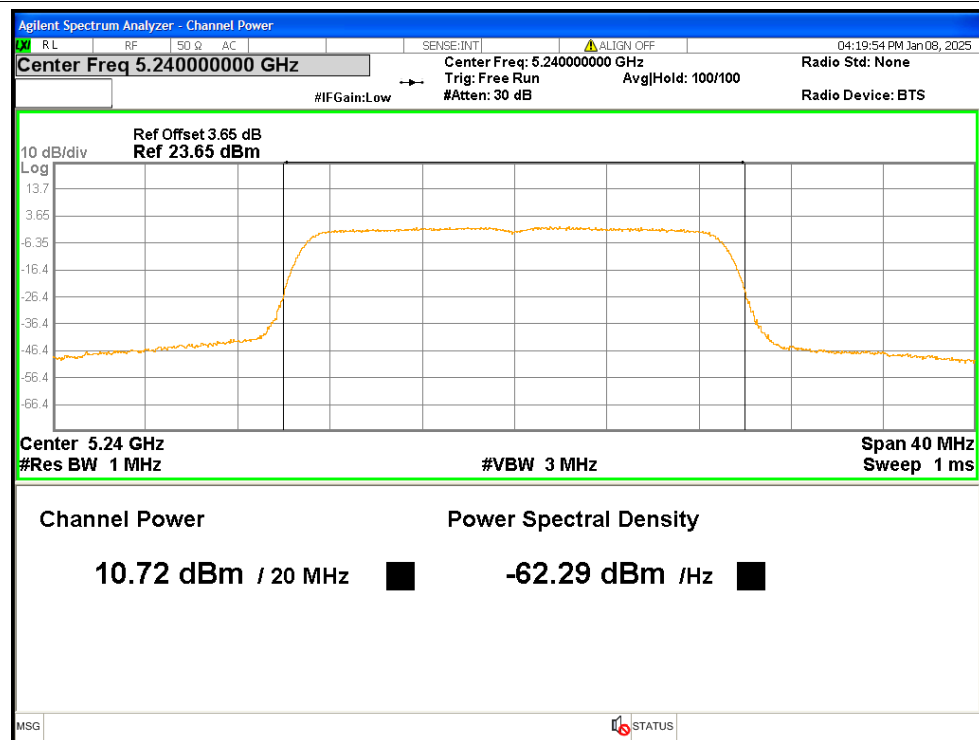
Power NVNT ac20 5200MHz Ant2



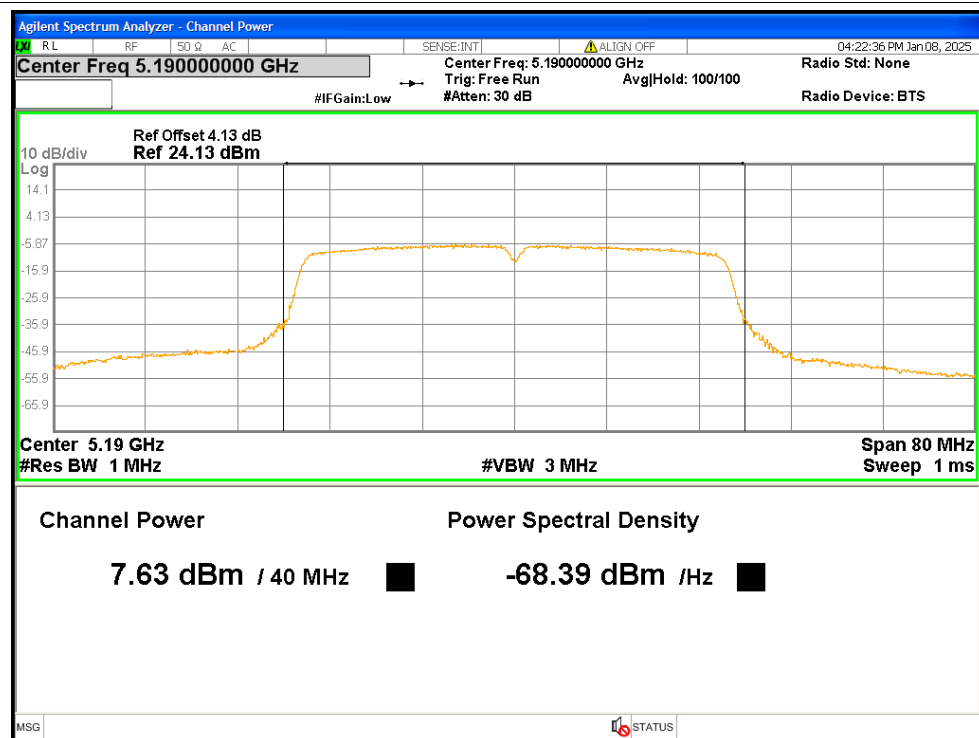
Power NVNT ac20 5240MHz Ant1



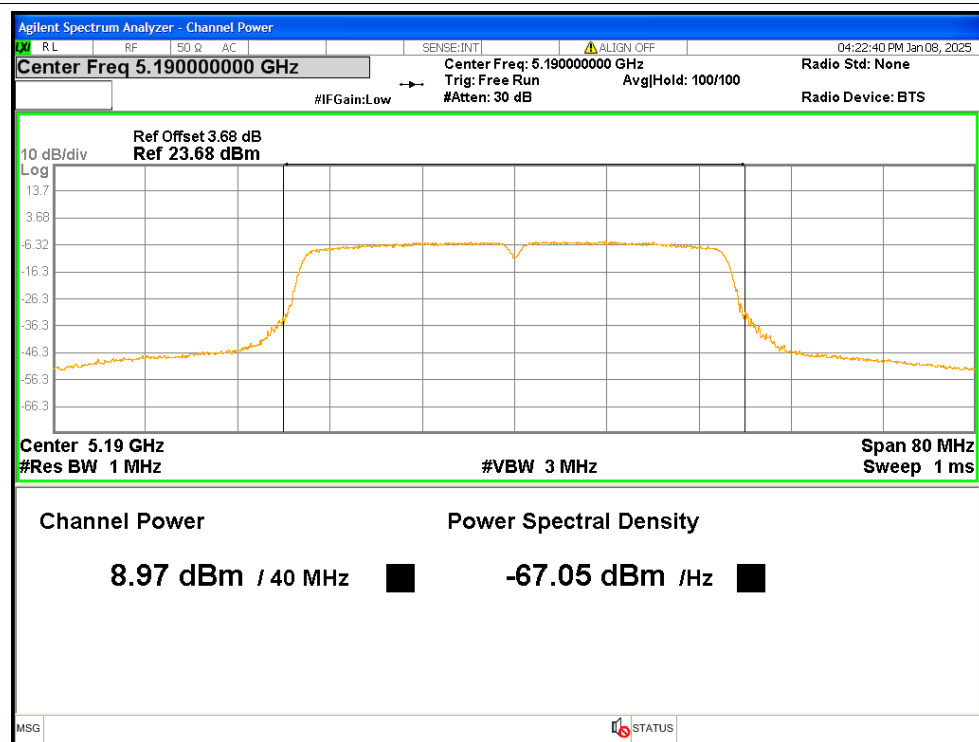
Power NVNT ac20 5240MHz Ant2



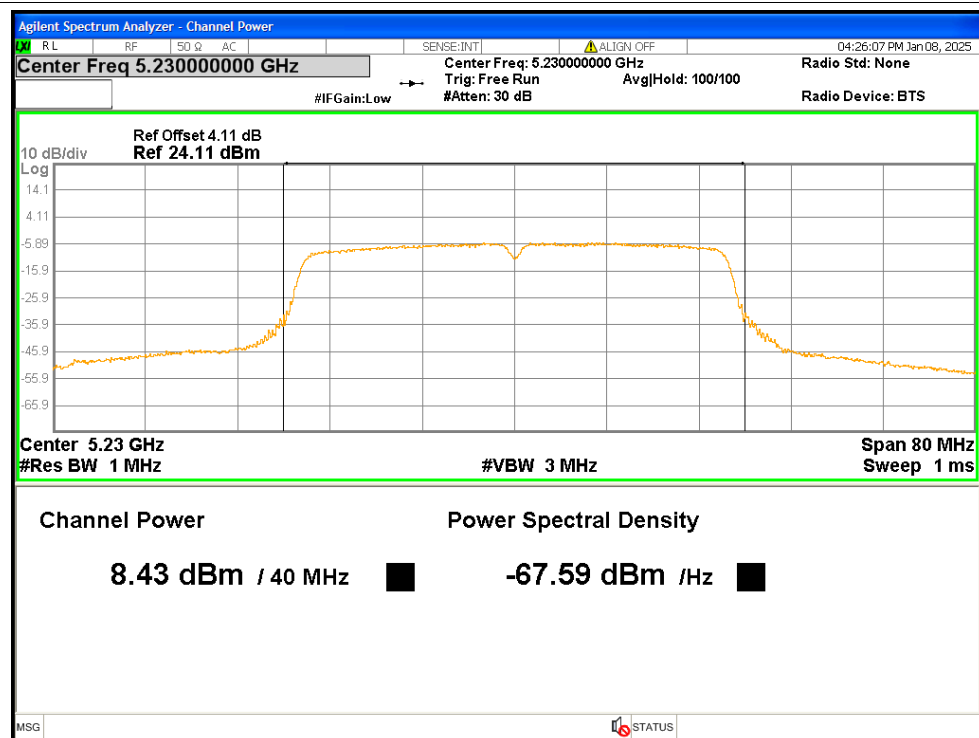
Power NVNT ac40 5190MHz Ant1



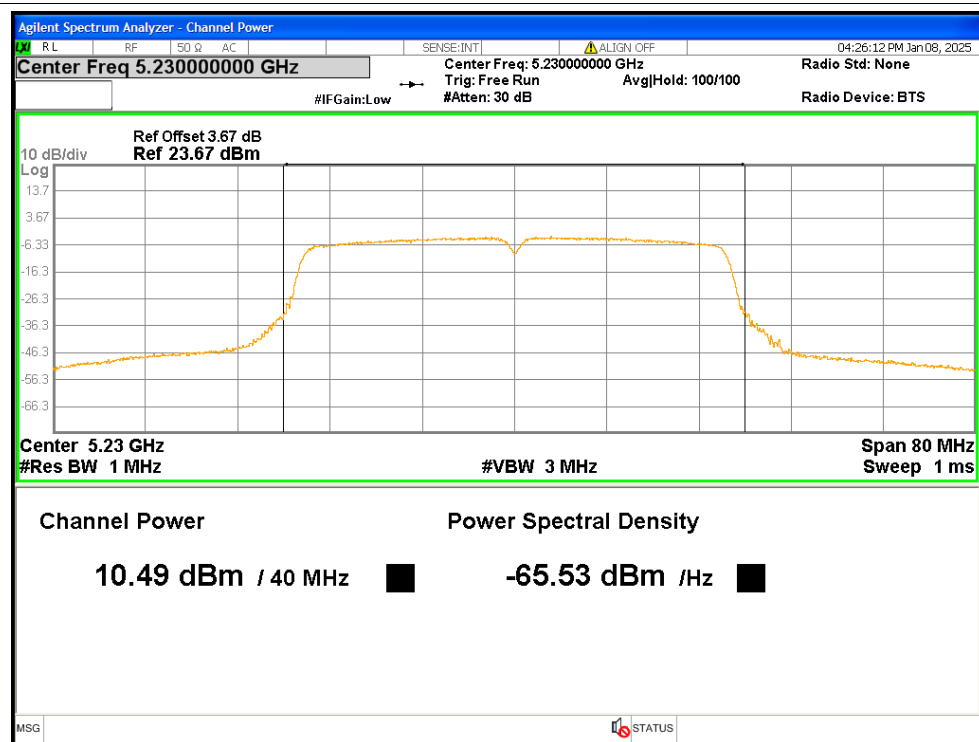
Power NVNT ac40 5190MHz Ant2



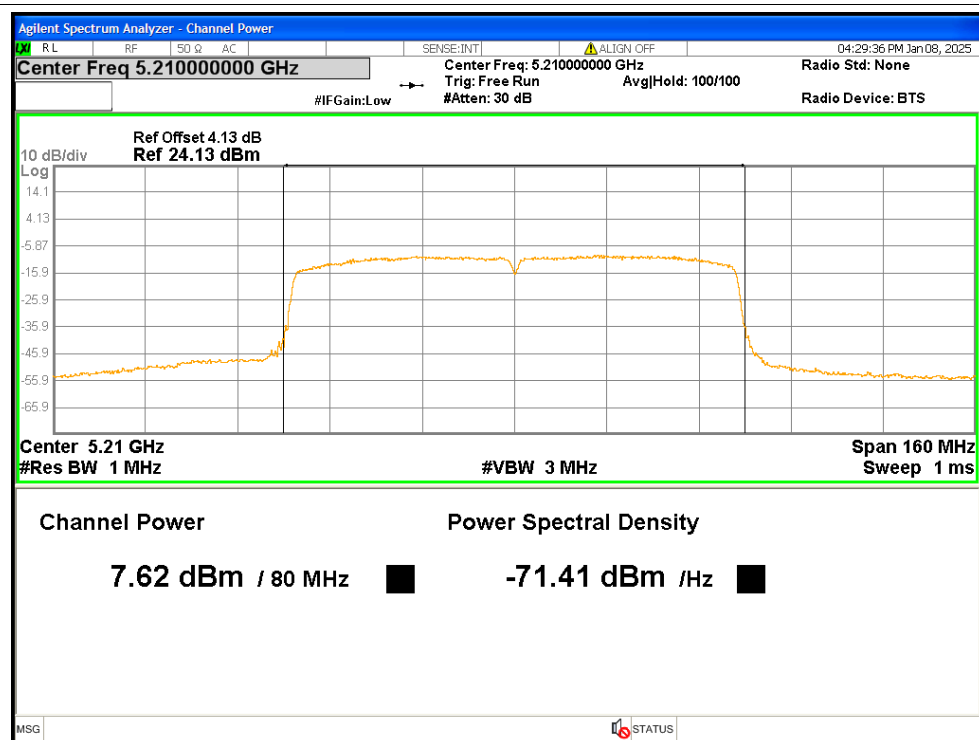
Power NVNT ac40 5230MHz Ant1



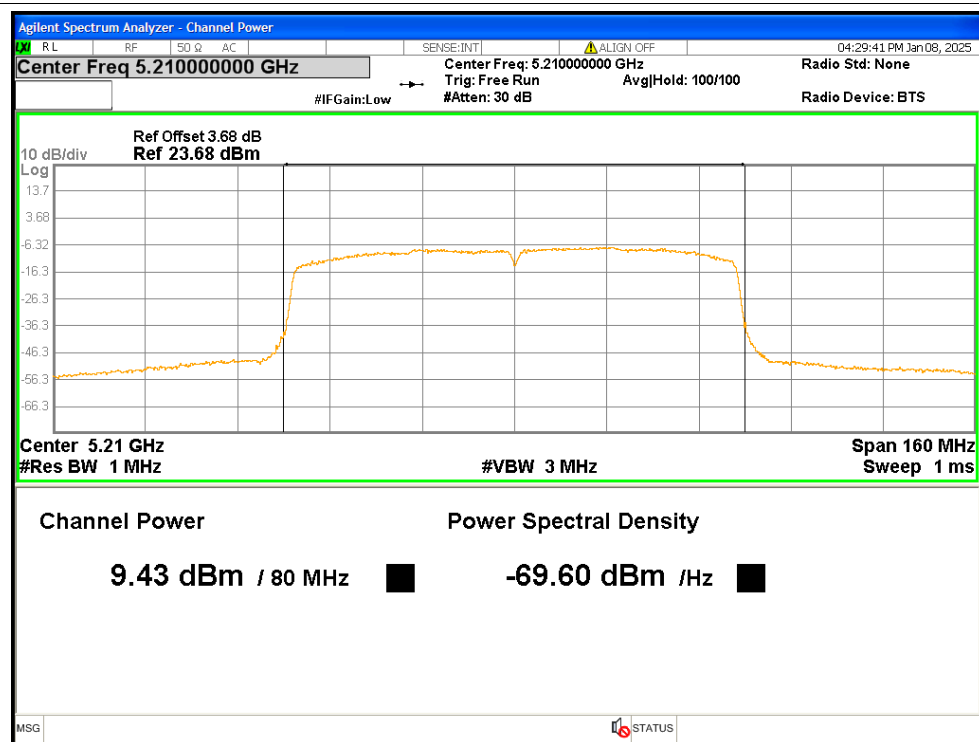
Power NVNT ac40 5230MHz Ant2



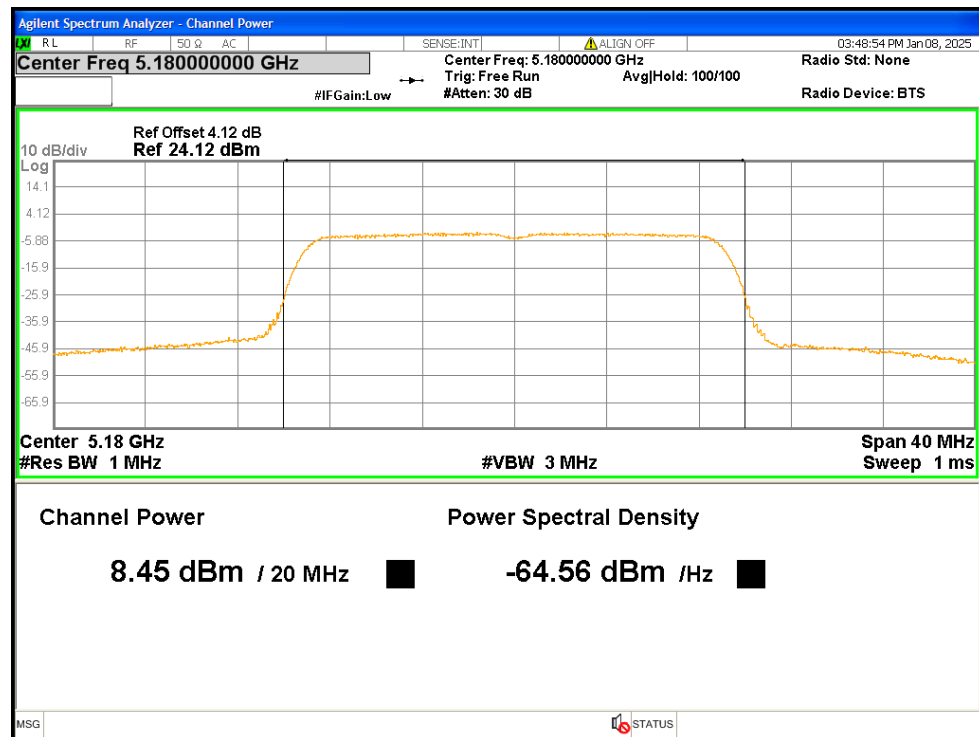
Power NVNT ac80 5210MHz Ant1



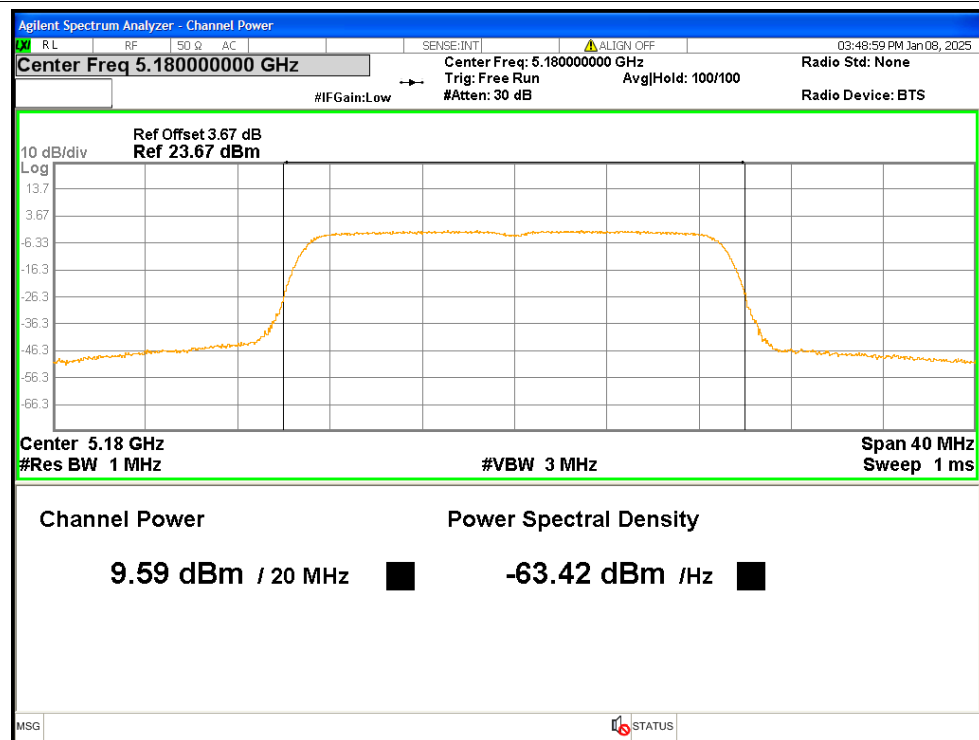
Power NVNT ac80 5210MHz Ant2



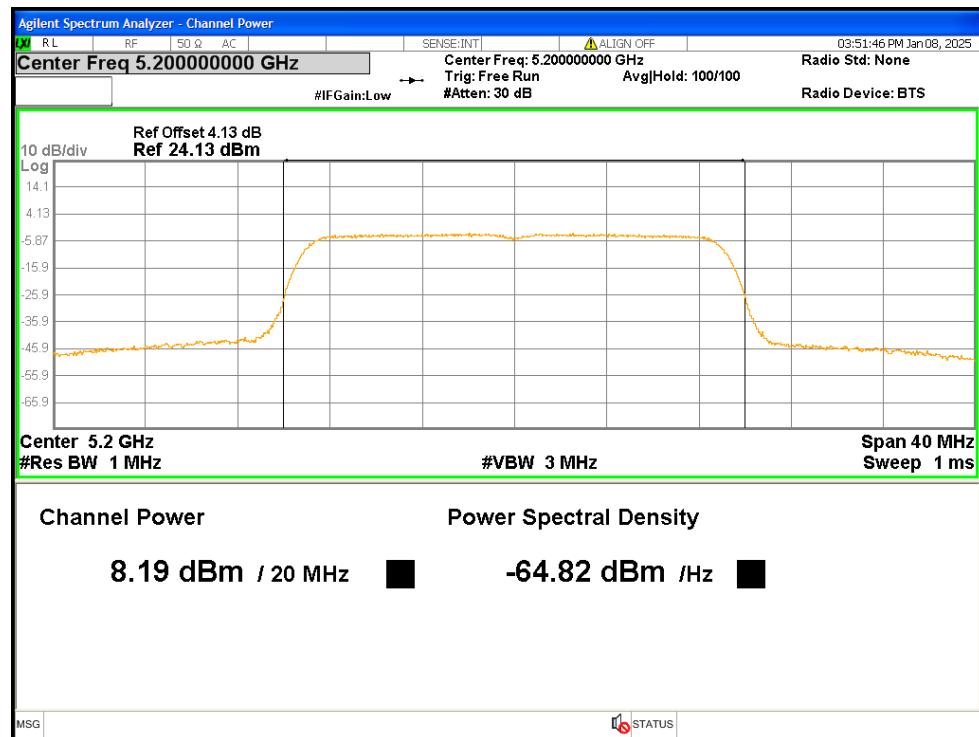
Power NVNT n20 5180MHz Ant1



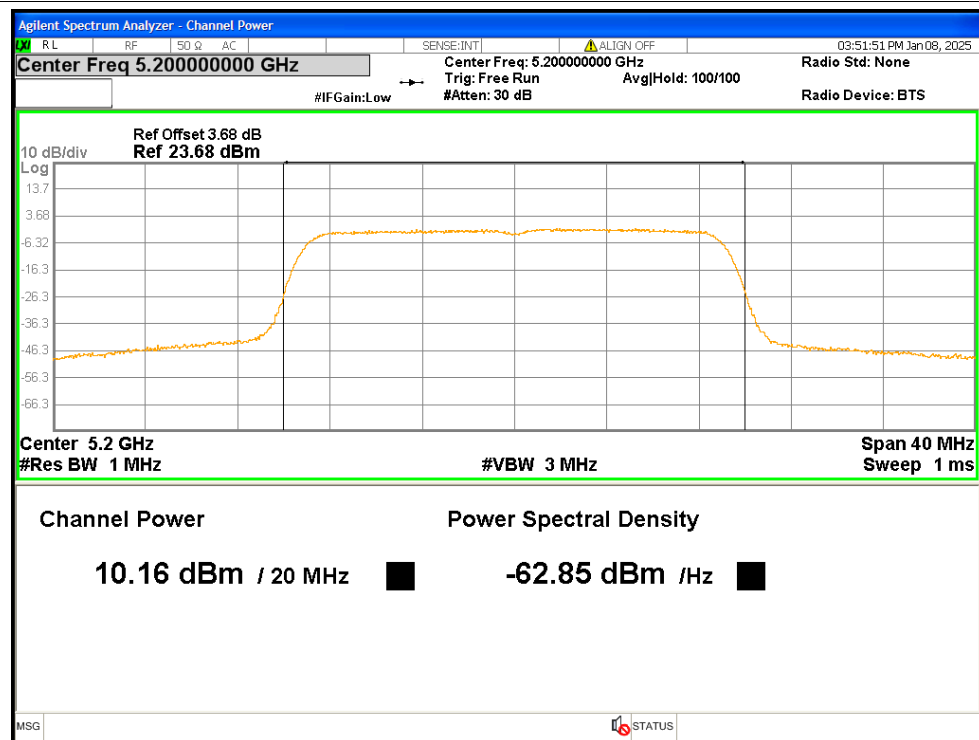
Power NVNT n20 5180MHz Ant2



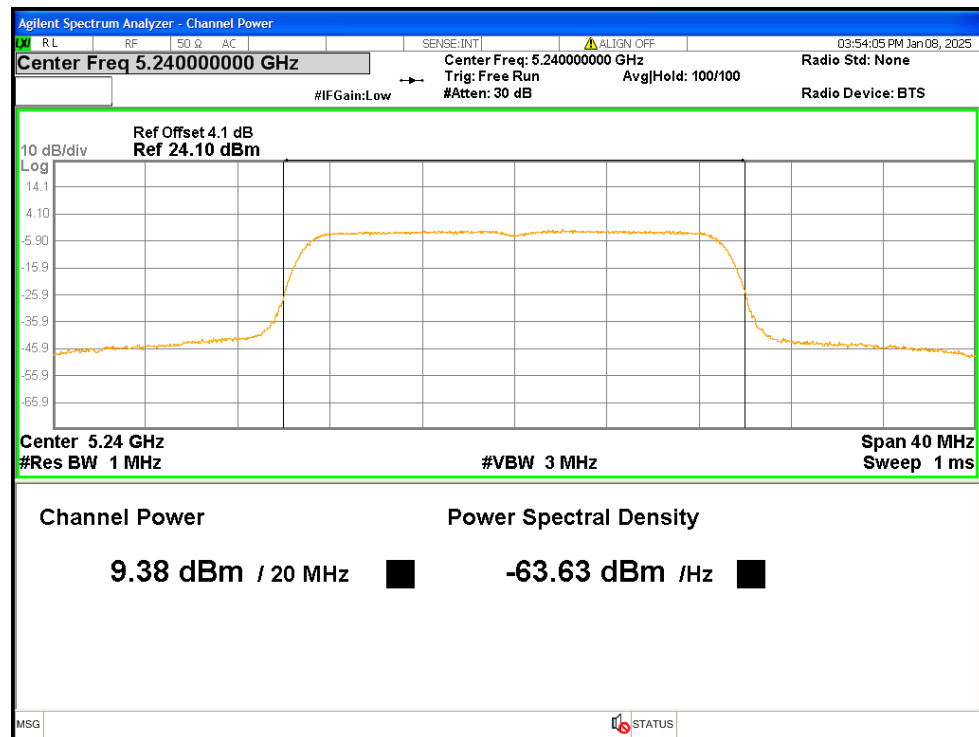
Power NVNT n20 5200MHz Ant1



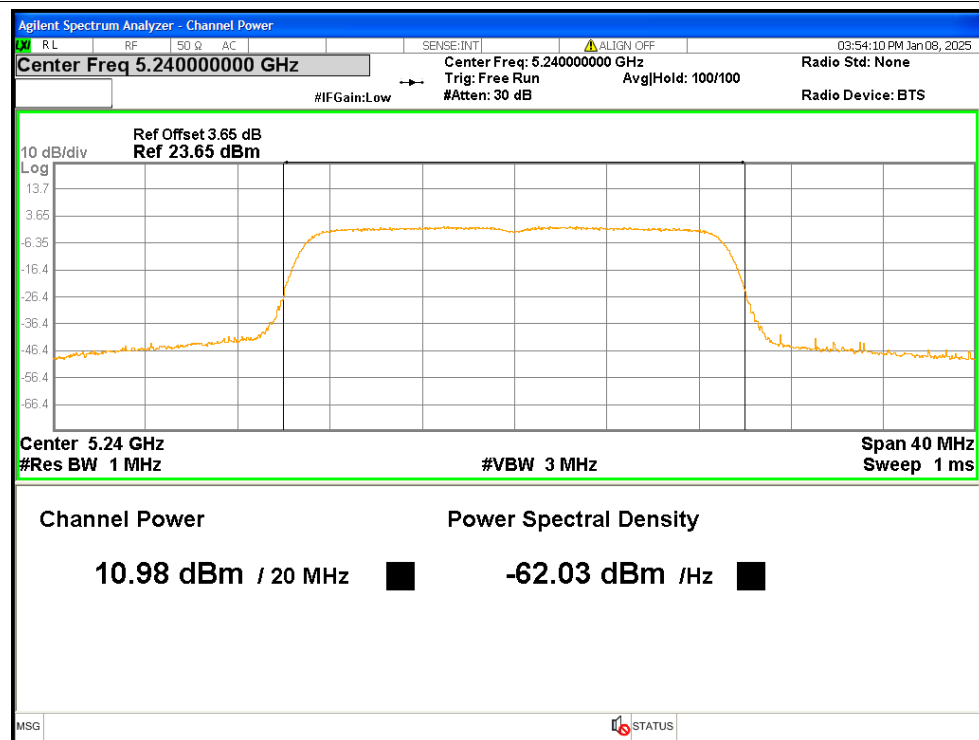
Power NVNT n20 5200MHz Ant2



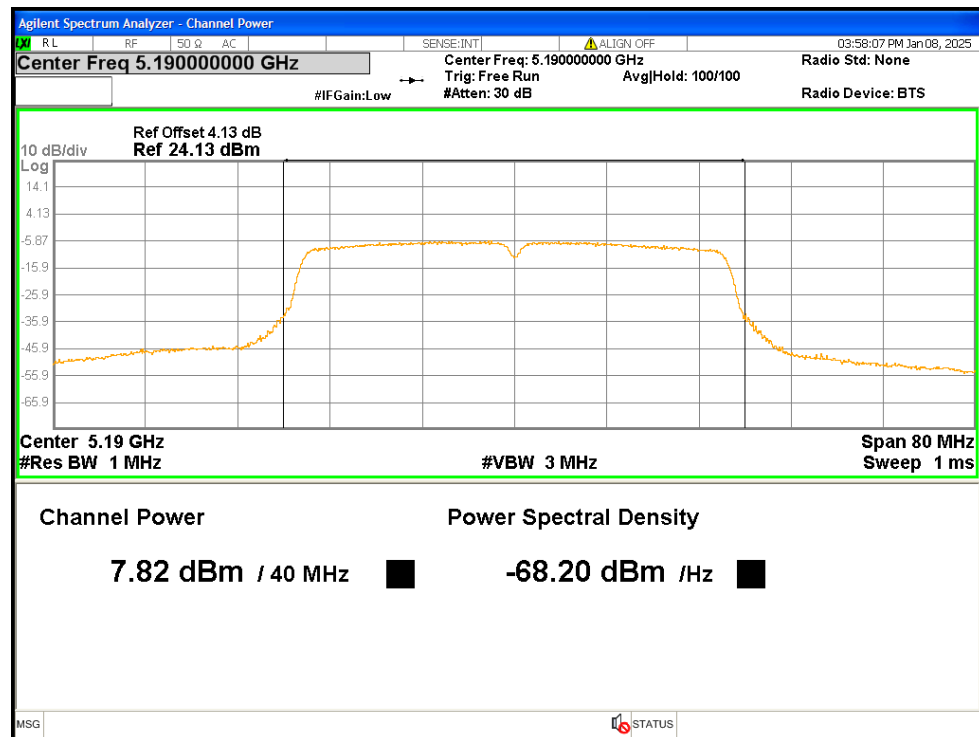
Power NVNT n20 5240MHz Ant1



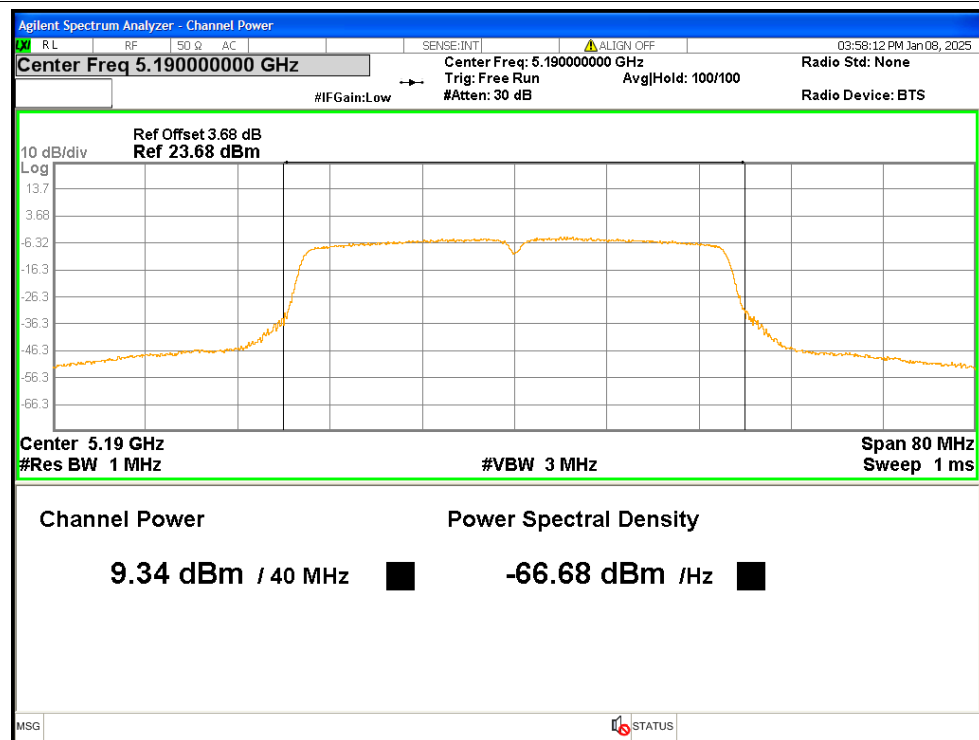
Power NVNT n20 5240MHz Ant2



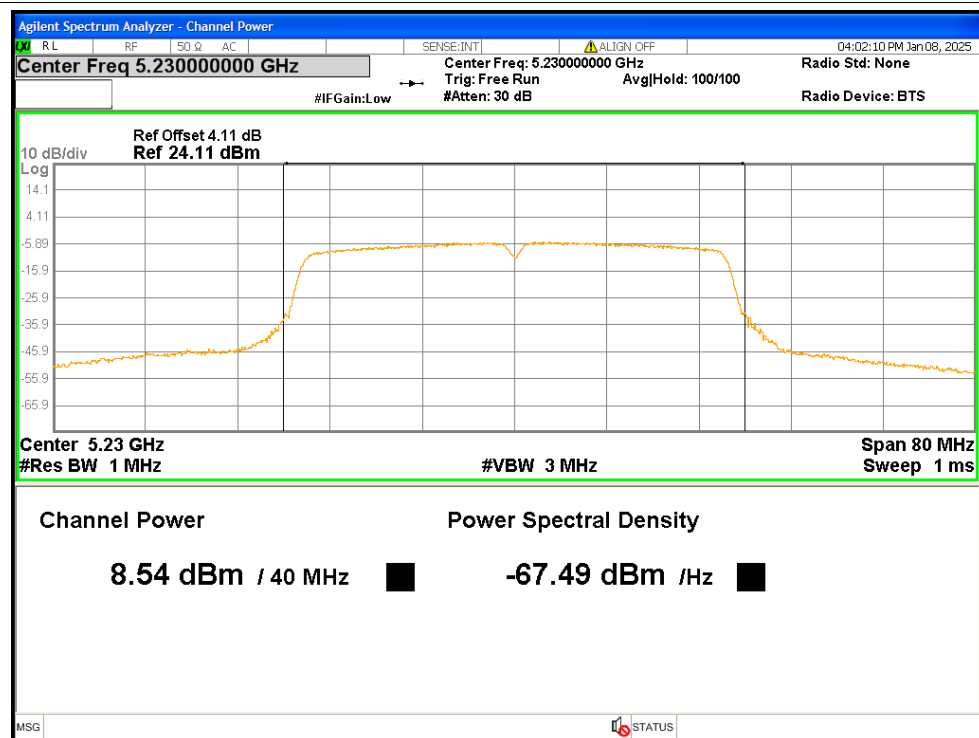
Power NVNT n40 5190MHz Ant1



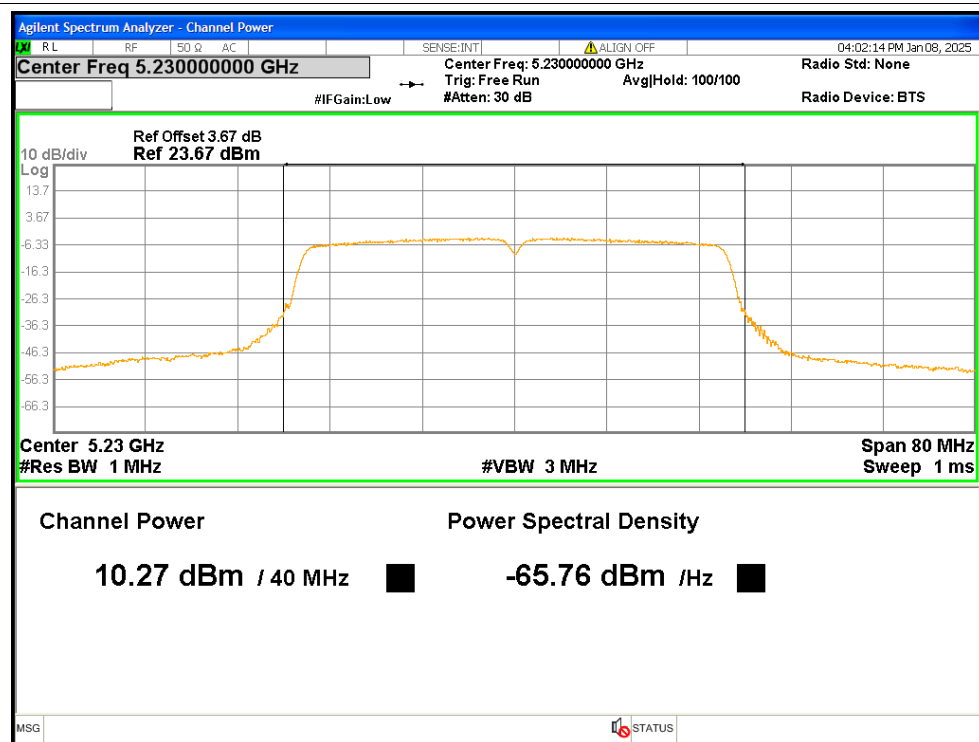
Power NVNT n40 5190MHz Ant2



Power NVNT n40 5230MHz Ant1



Power NVNT n40 5230MHz Ant2

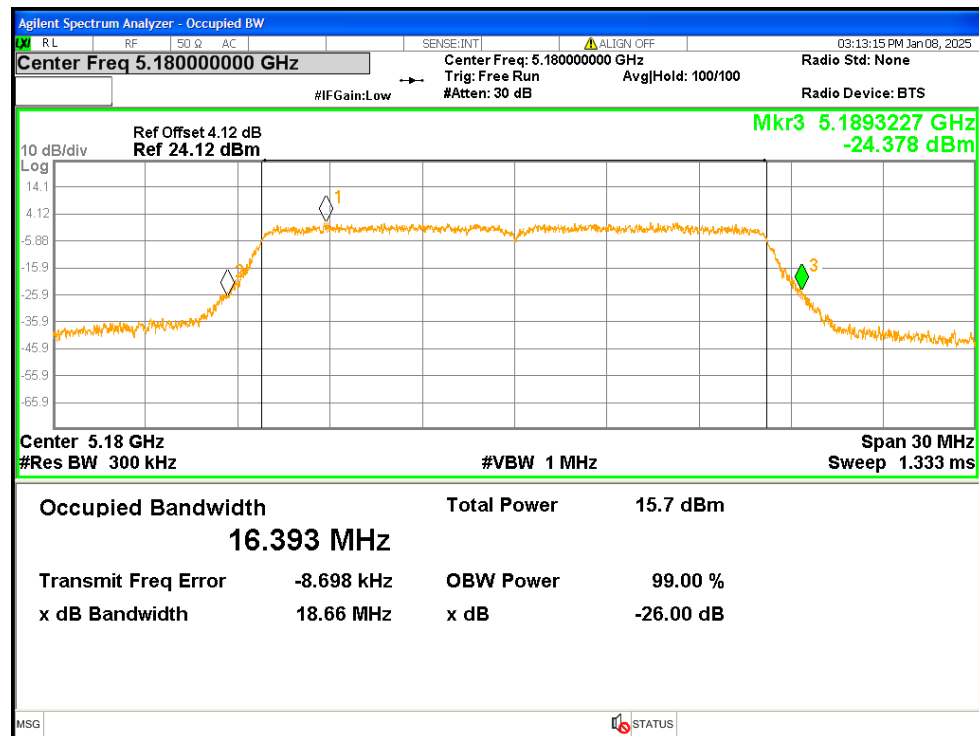


3. -26dB Bandwidth

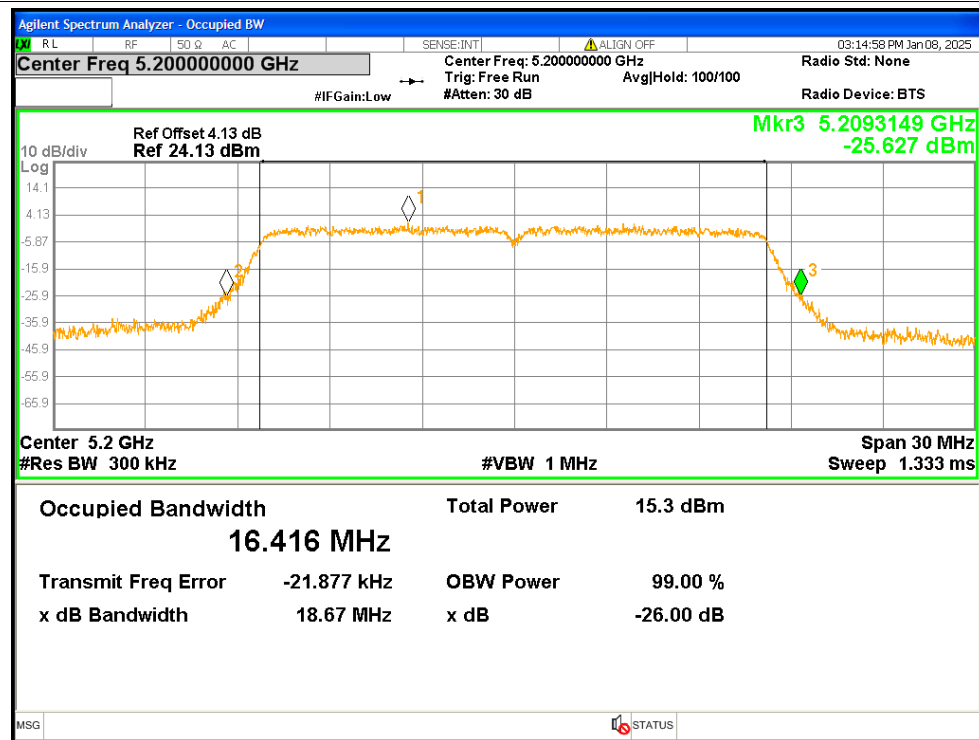
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	18.6627	Pass
NVNT	a	5200	Ant1	18.6735	Pass
NVNT	a	5240	Ant1	18.968	Pass
NVNT	a	5180	Ant2	18.4457	Pass
NVNT	a	5200	Ant2	18.6894	Pass
NVNT	a	5240	Ant2	18.6078	Pass
NVNT	ac20	5180	Ant1	19.484	Pass
NVNT	ac20	5180	Ant2	19.4236	Pass
NVNT	ac20	5200	Ant1	19.653	Pass
NVNT	ac20	5200	Ant2	19.4202	Pass
NVNT	ac20	5240	Ant1	19.6567	Pass
NVNT	ac20	5240	Ant2	19.4673	Pass
NVNT	ac40	5190	Ant1	40.2476	Pass
NVNT	ac40	5190	Ant2	40.5001	Pass
NVNT	ac40	5230	Ant1	40.2346	Pass
NVNT	ac40	5230	Ant2	40.0794	Pass
NVNT	ac80	5210	Ant1	79.1325	Pass
NVNT	ac80	5210	Ant2	78.8383	Pass
NVNT	n20	5180	Ant1	19.5717	Pass
NVNT	n20	5180	Ant2	19.6626	Pass
NVNT	n20	5200	Ant1	19.5635	Pass
NVNT	n20	5200	Ant2	19.4781	Pass
NVNT	n20	5240	Ant1	19.5514	Pass
NVNT	n20	5240	Ant2	19.4669	Pass
NVNT	n40	5190	Ant1	40.4648	Pass
NVNT	n40	5190	Ant2	40.5346	Pass
NVNT	n40	5230	Ant1	40.1046	Pass
NVNT	n40	5230	Ant2	39.6828	Pass

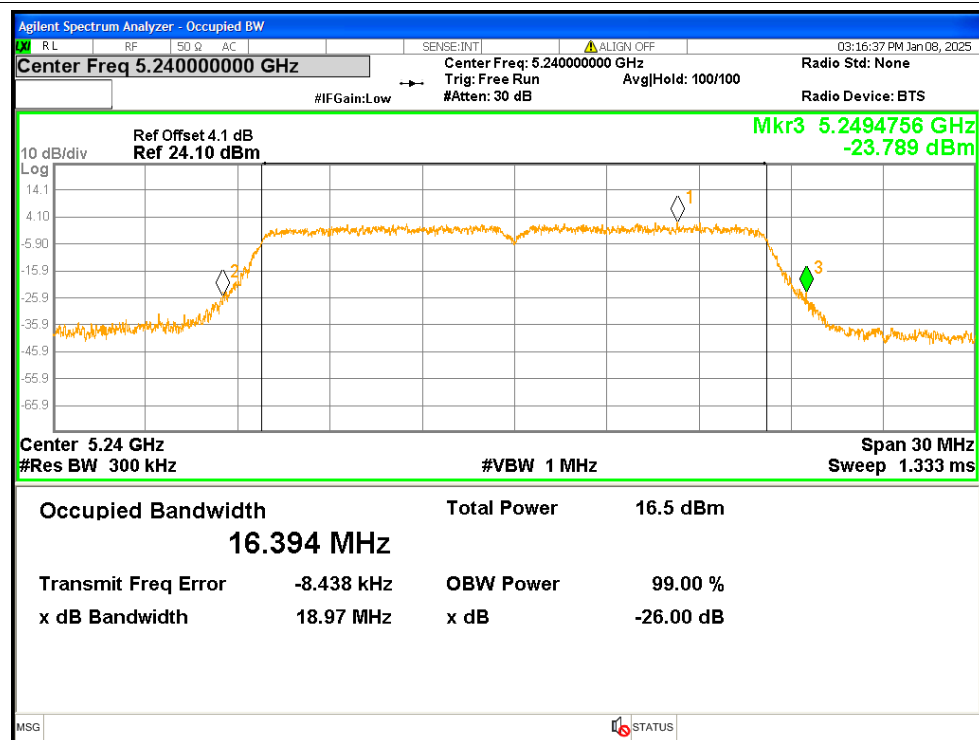
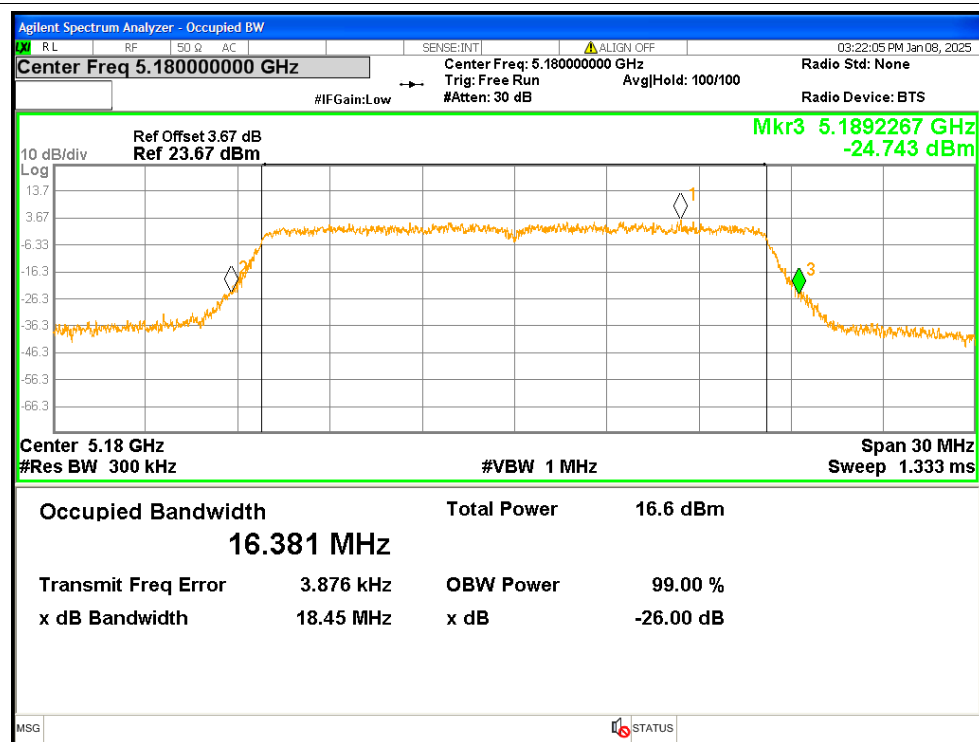
Test Graphs

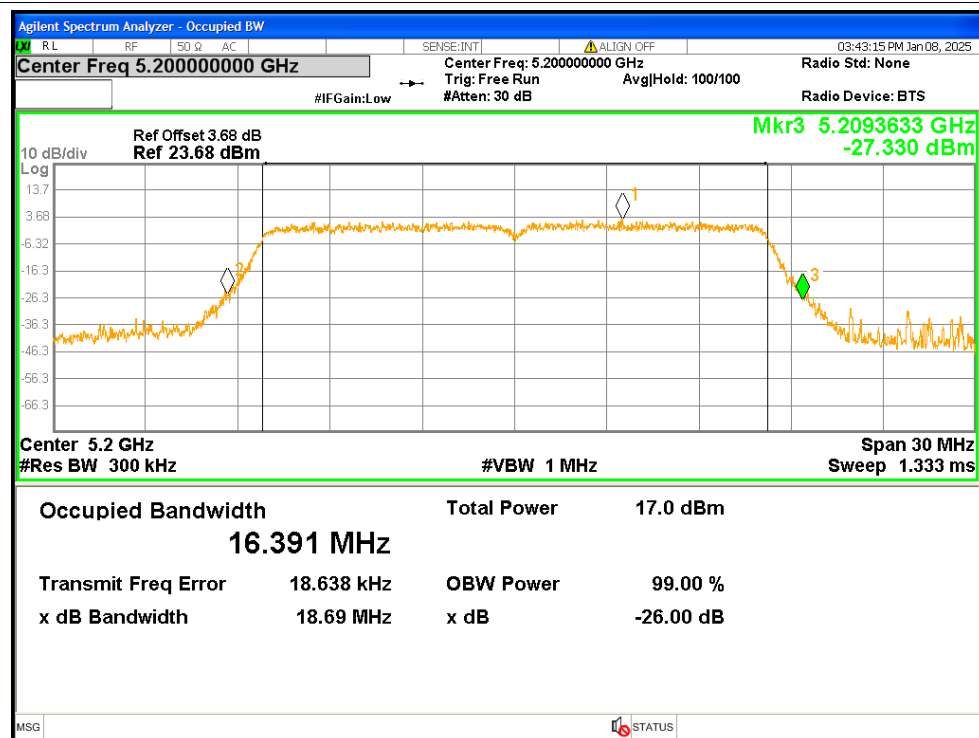
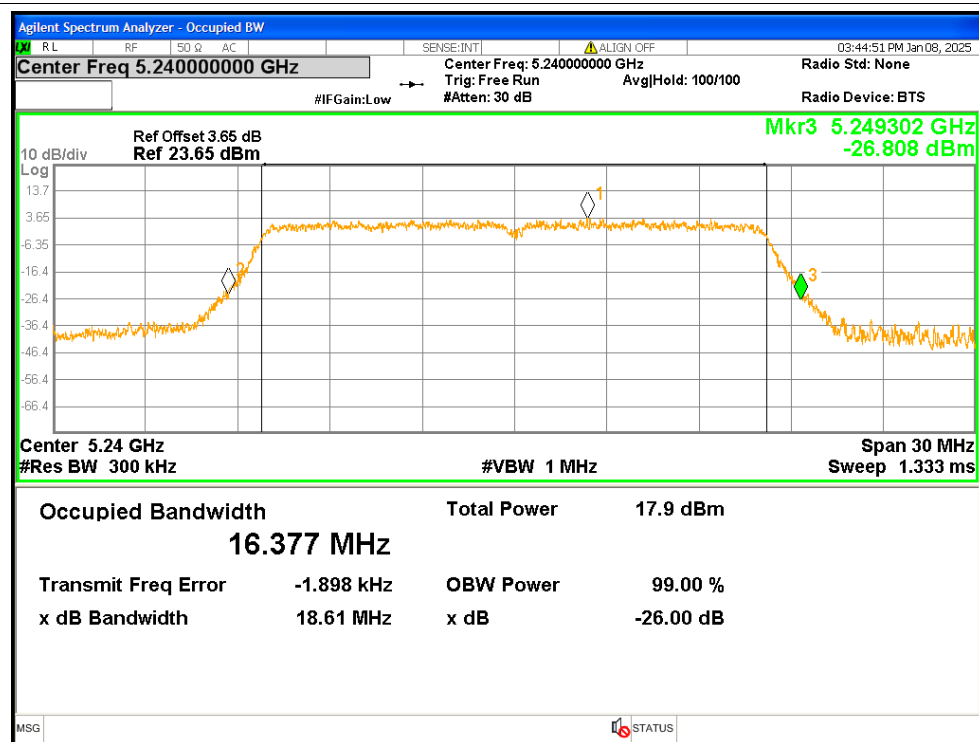
-26dB Bandwidth NVNT a 5180MHz Ant1

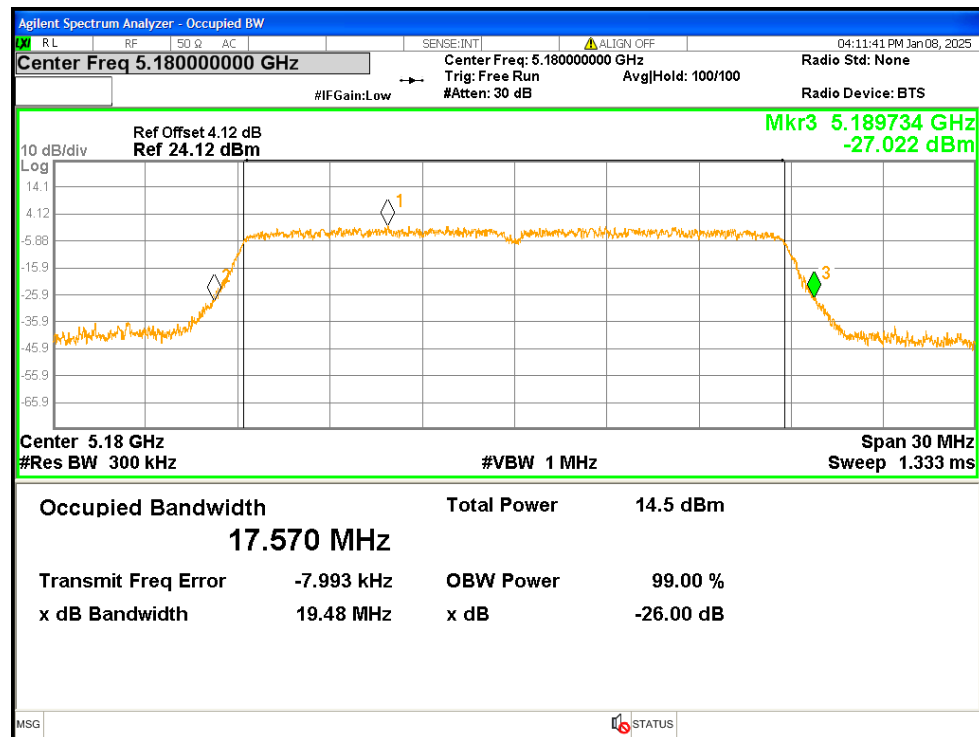
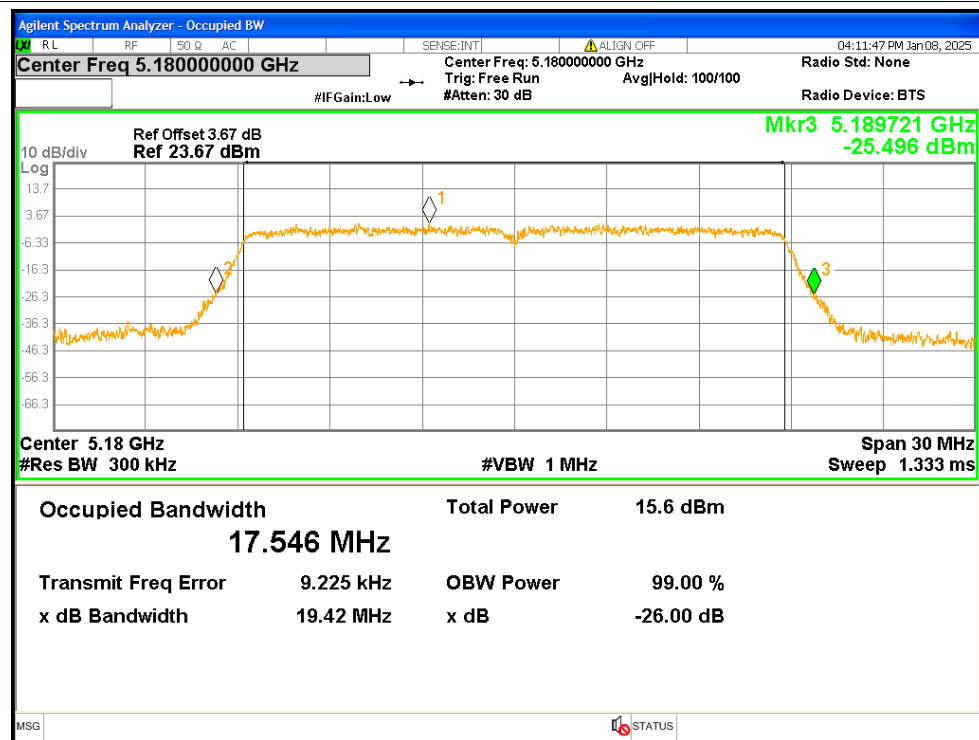


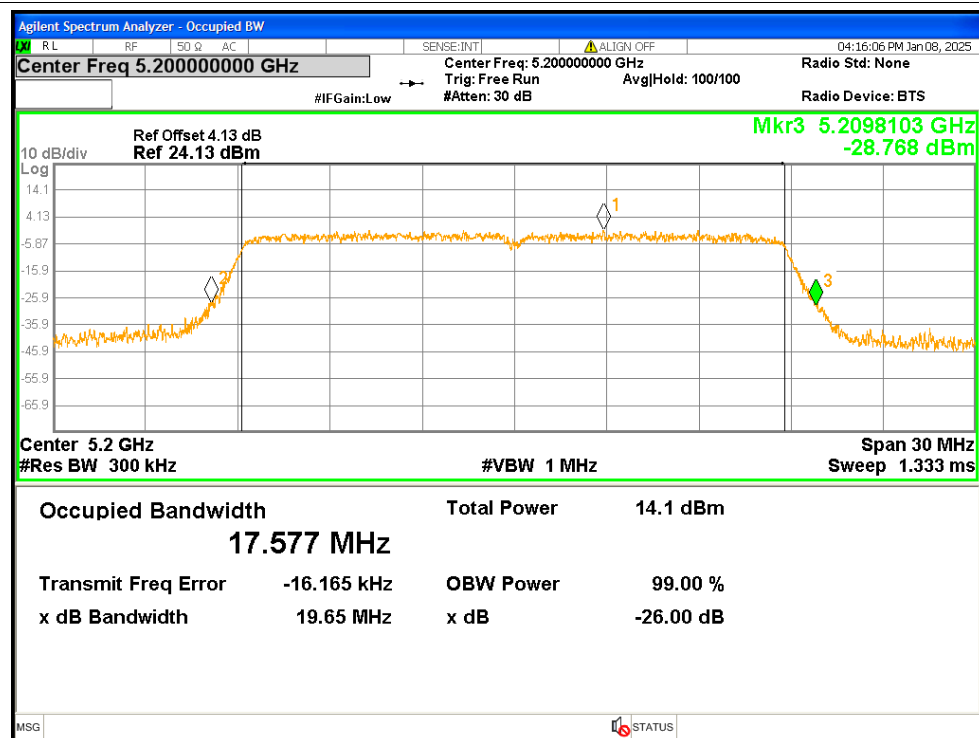
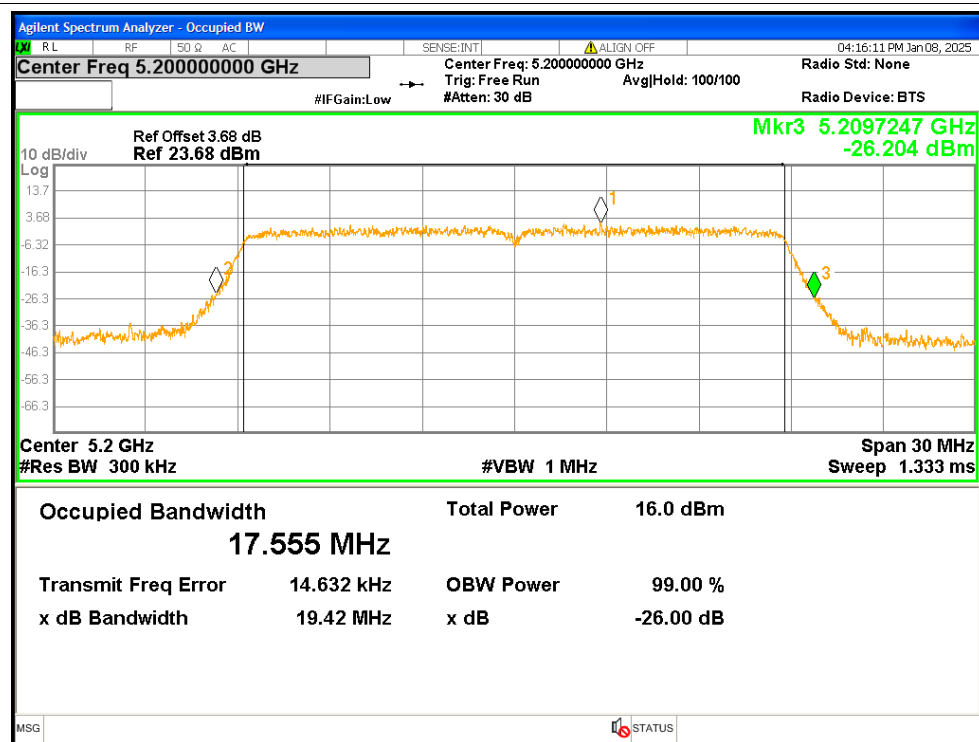
-26dB Bandwidth NVNT a 5200MHz Ant1

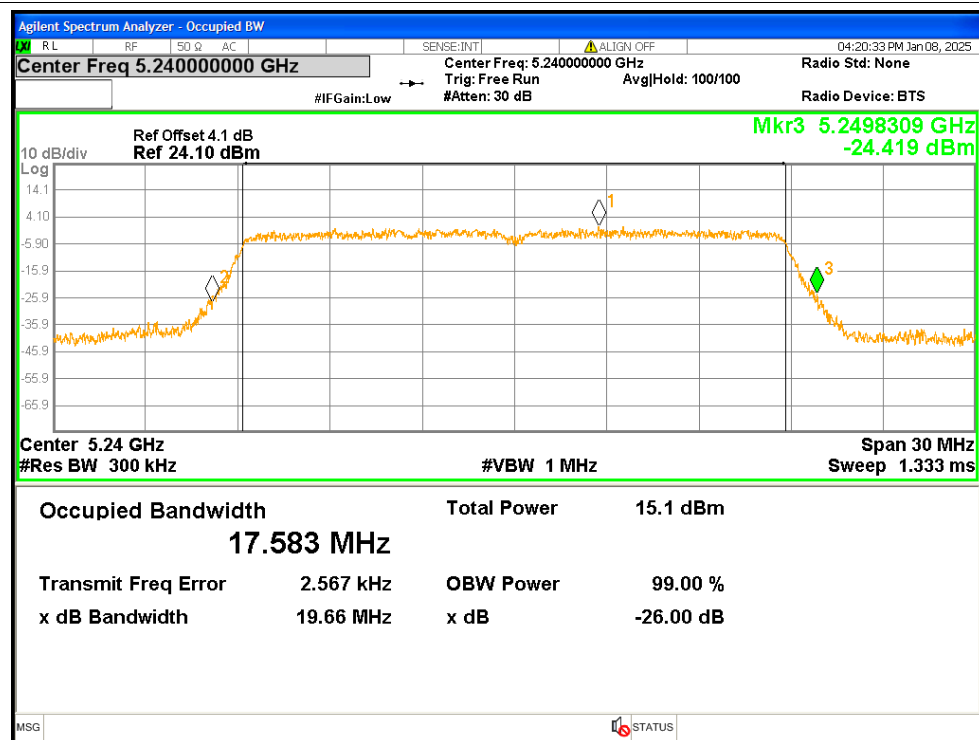
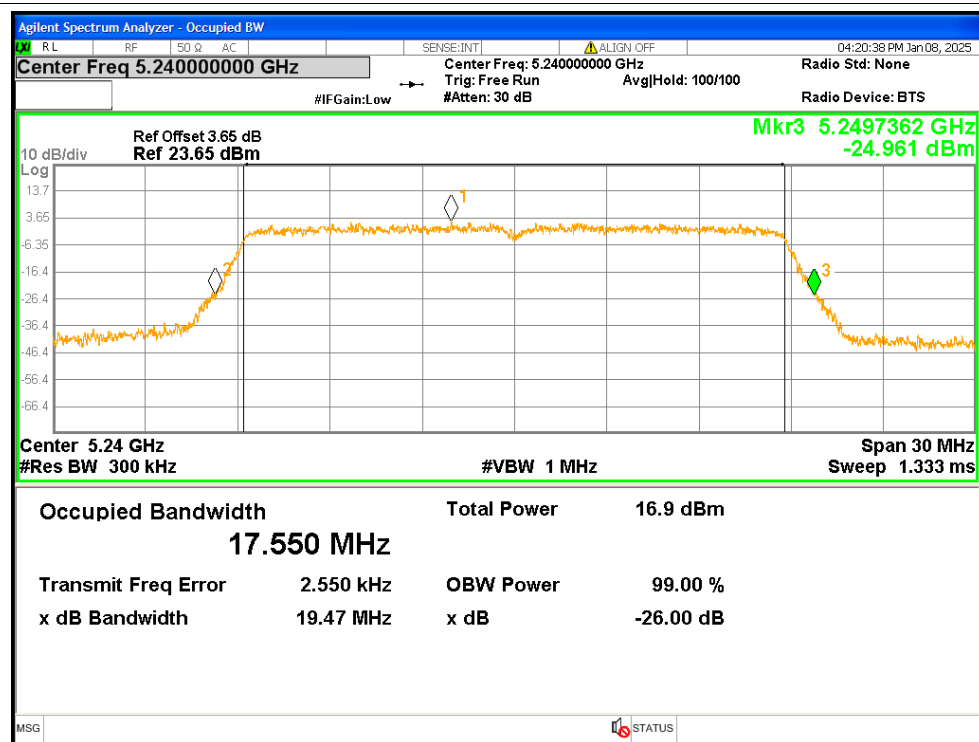


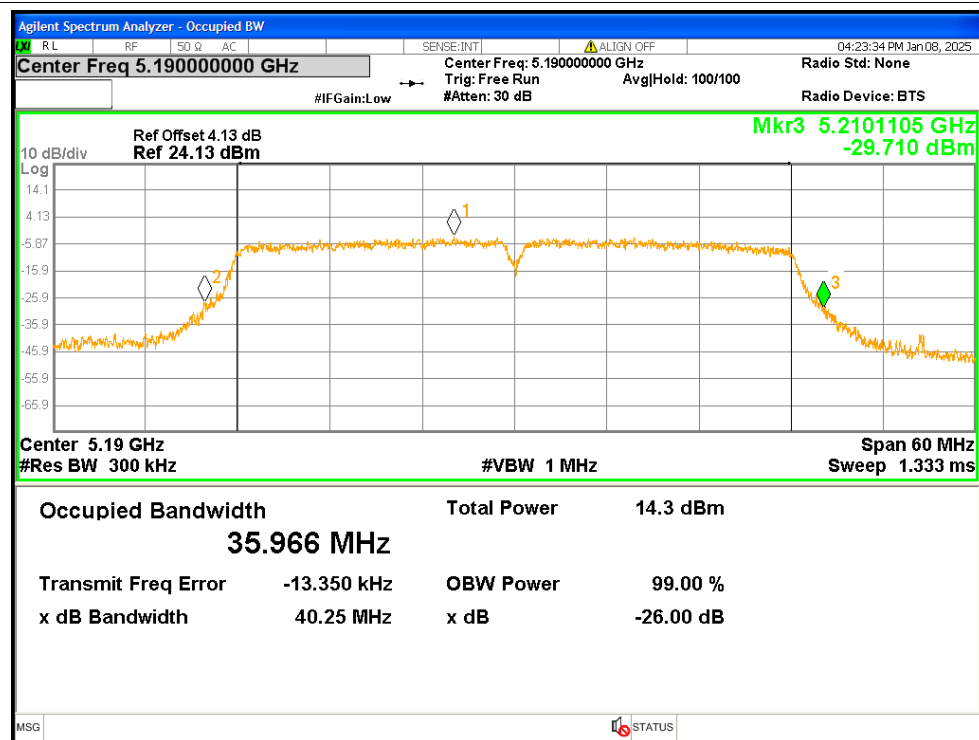
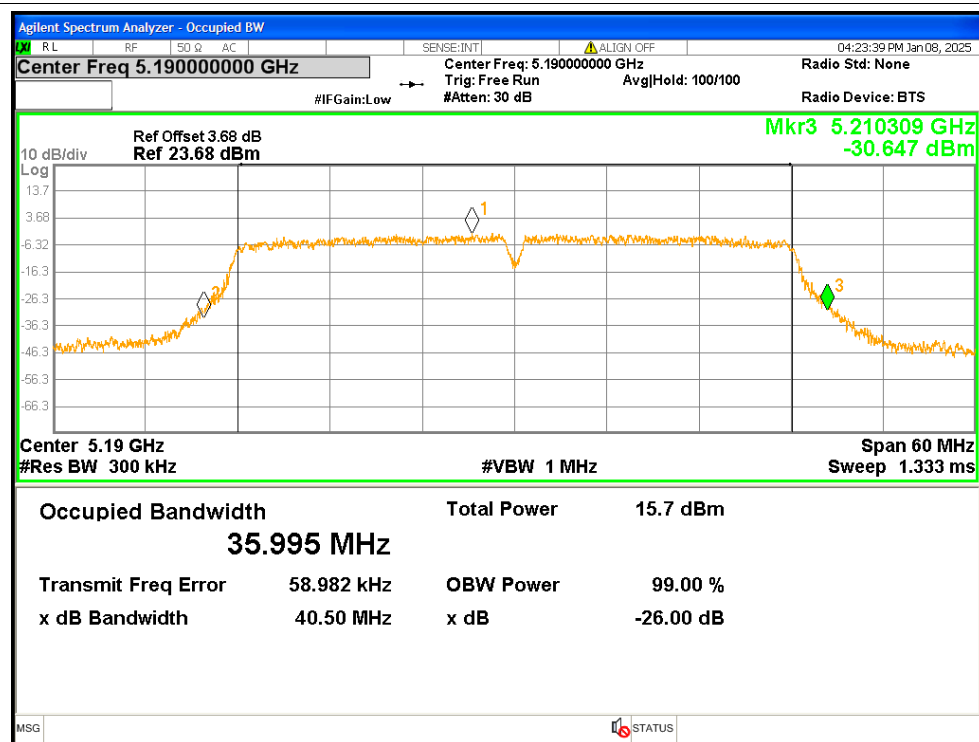
-26dB Bandwidth NVNT a 5240MHz Ant1**-26dB Bandwidth NVNT a 5180MHz Ant2**

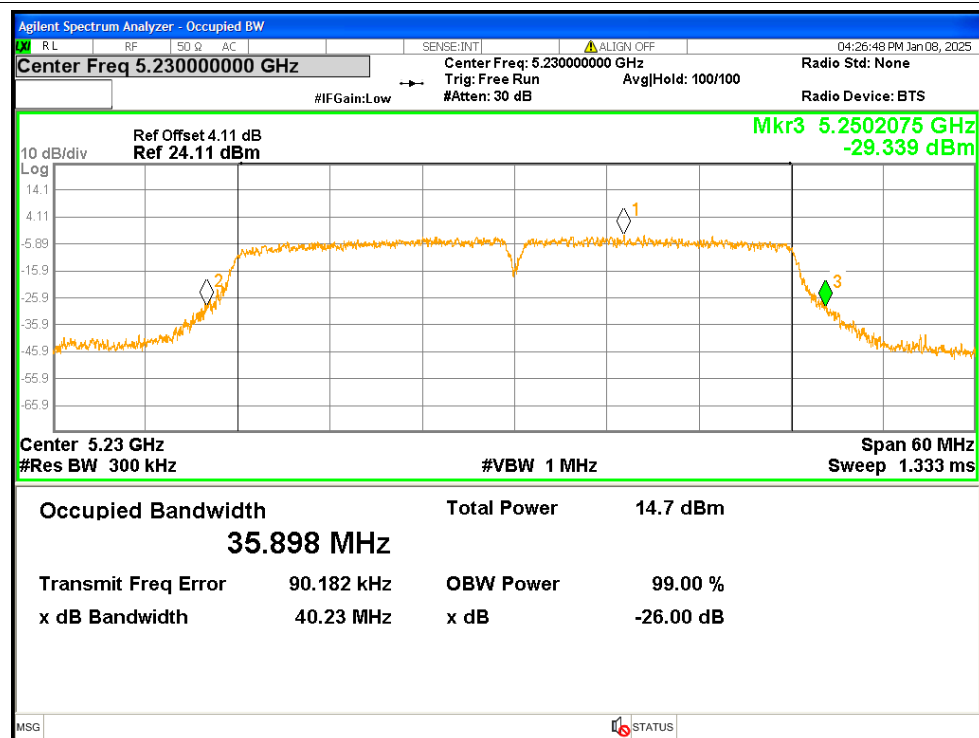
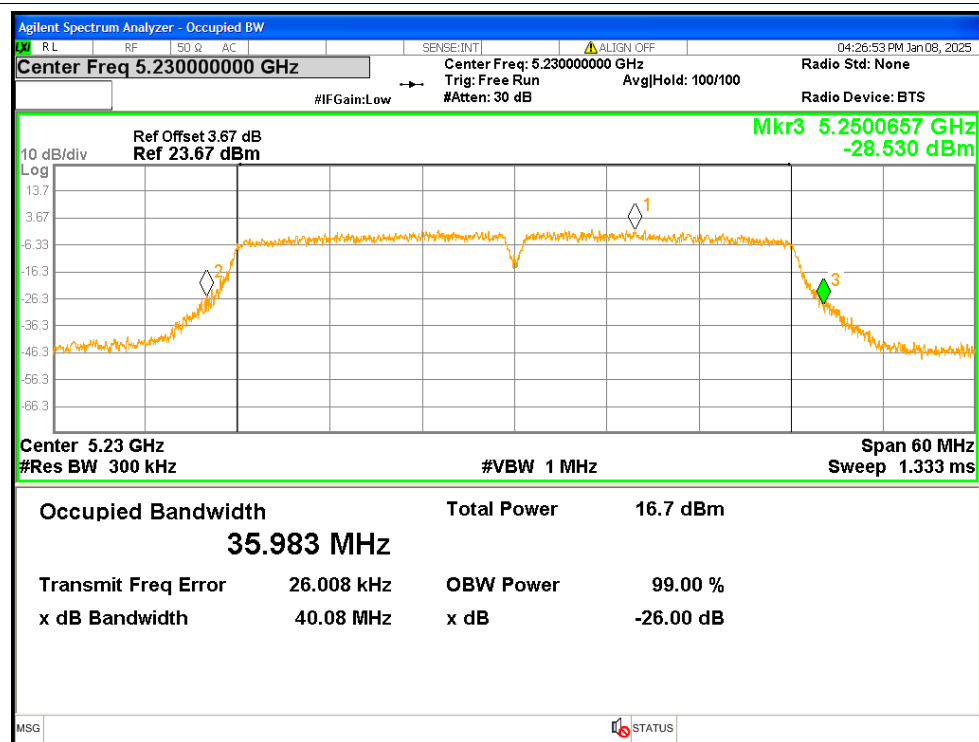
-26dB Bandwidth NVNT a 5200MHz Ant2**-26dB Bandwidth NVNT a 5240MHz Ant2**

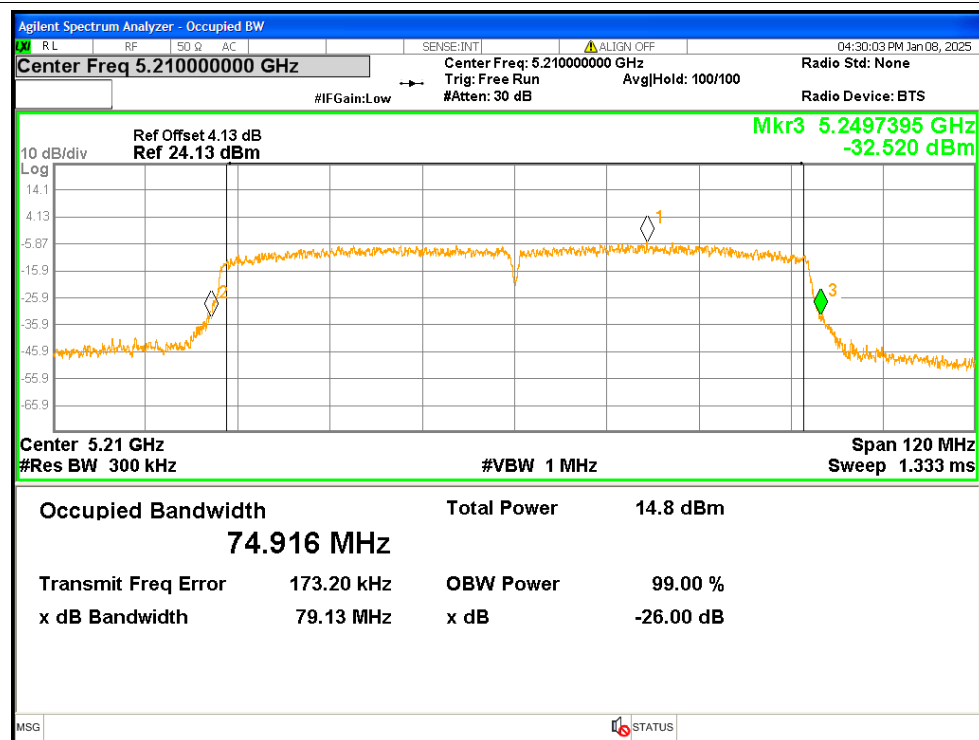
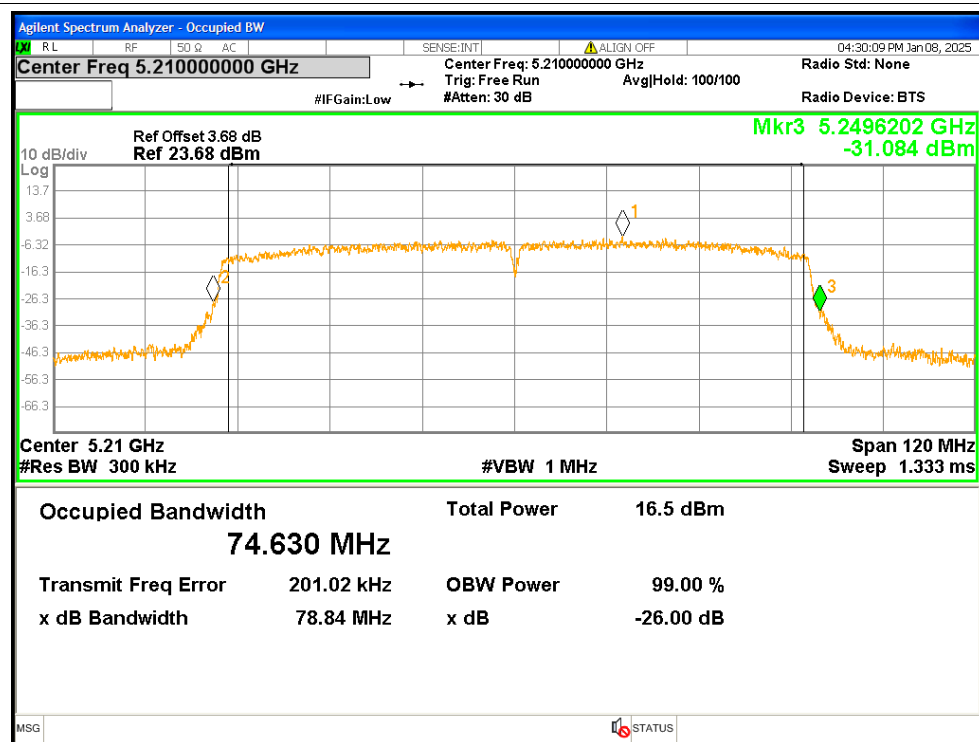
-26dB Bandwidth NVNT ac20 5180MHz Ant1**-26dB Bandwidth NVNT ac20 5180MHz Ant2**

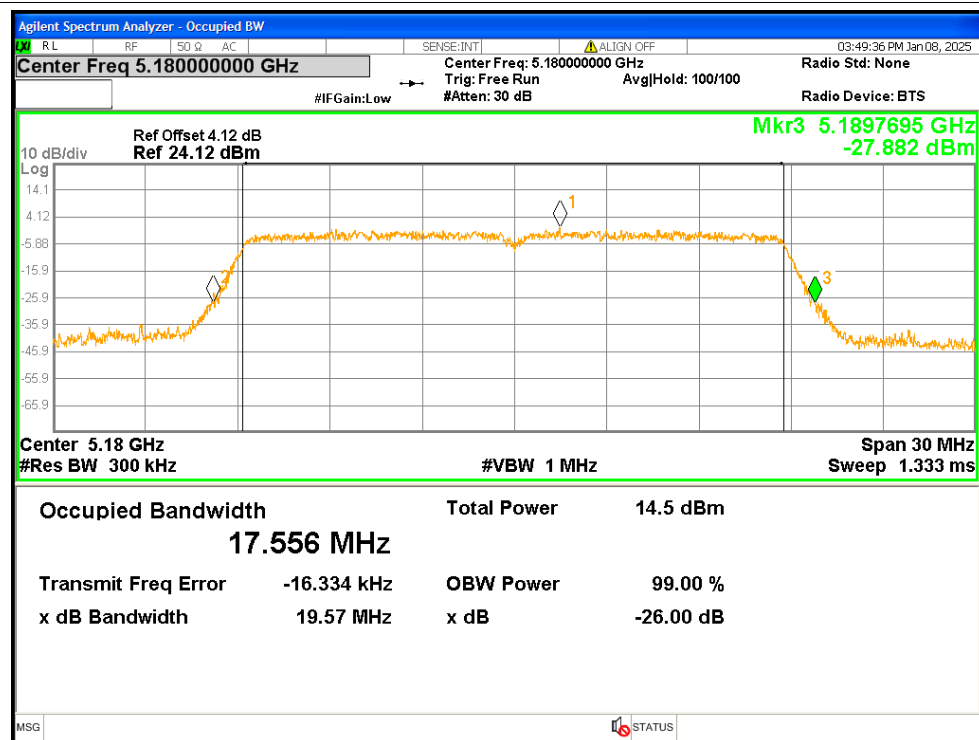
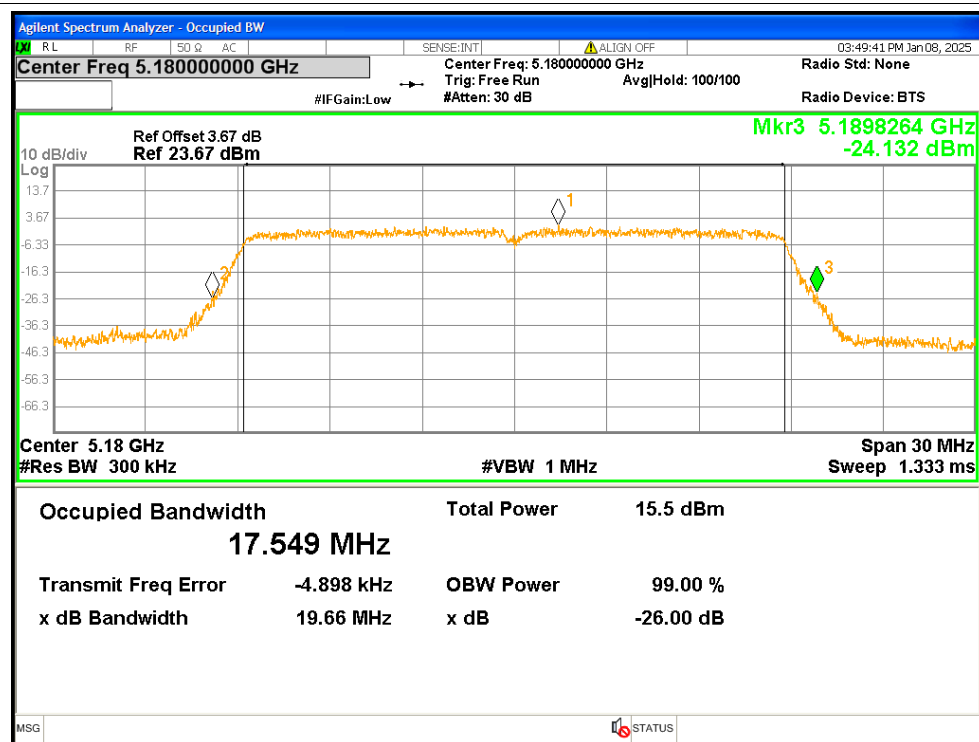
-26dB Bandwidth NVNT ac20 5200MHz Ant1**-26dB Bandwidth NVNT ac20 5200MHz Ant2**

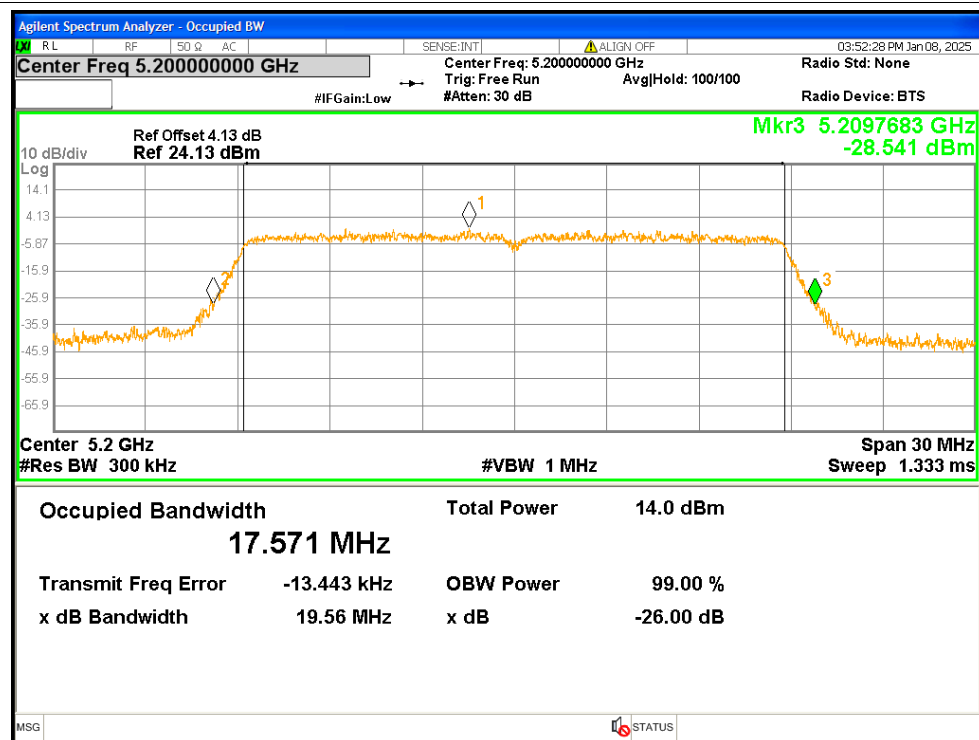
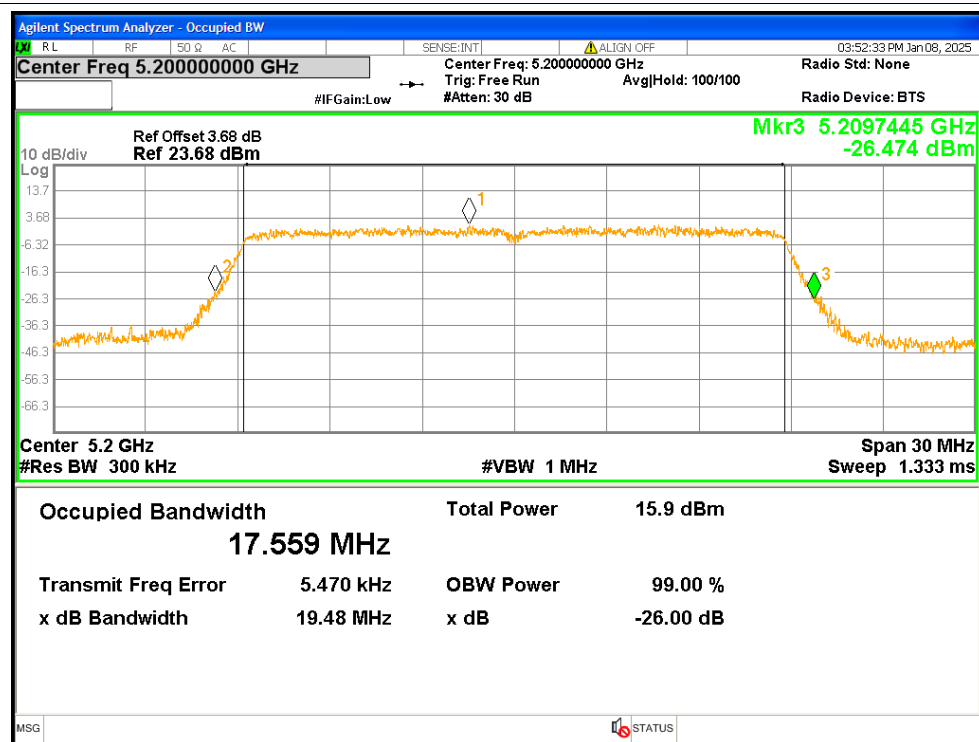
-26dB Bandwidth NVNT ac20 5240MHz Ant1**-26dB Bandwidth NVNT ac20 5240MHz Ant2**

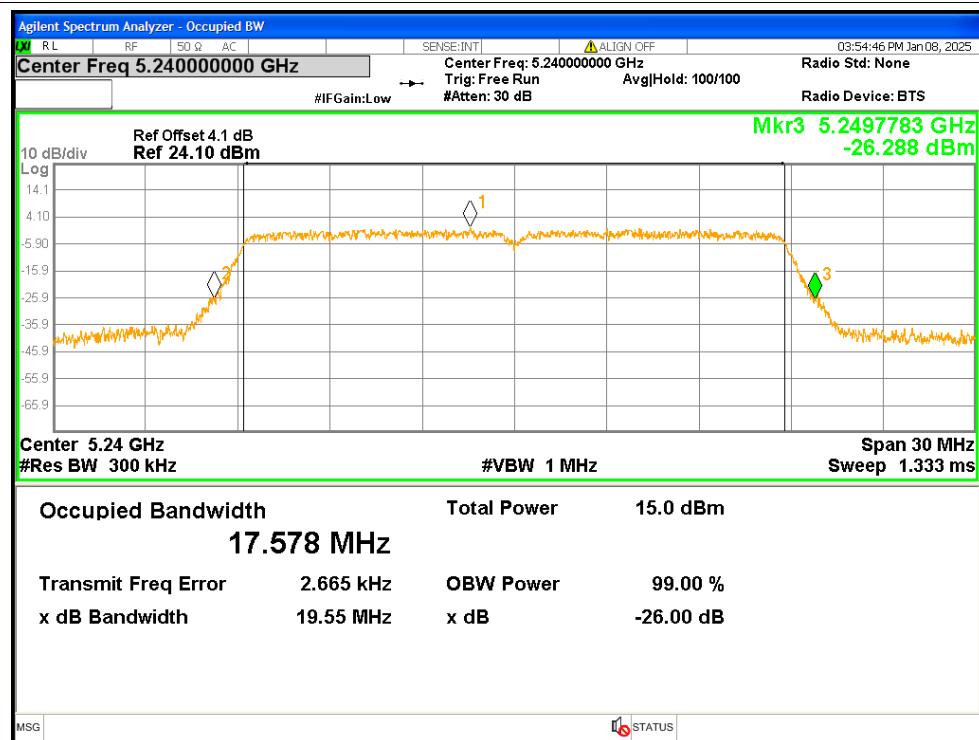
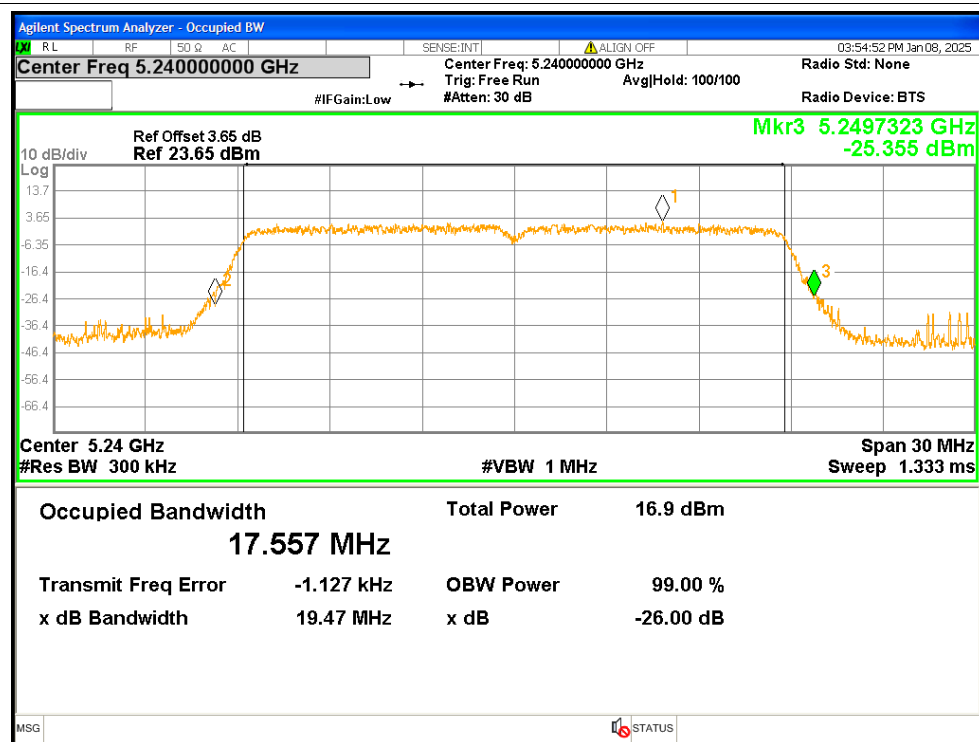
-26dB Bandwidth NVNT ac40 5190MHz Ant1**-26dB Bandwidth NVNT ac40 5190MHz Ant2**

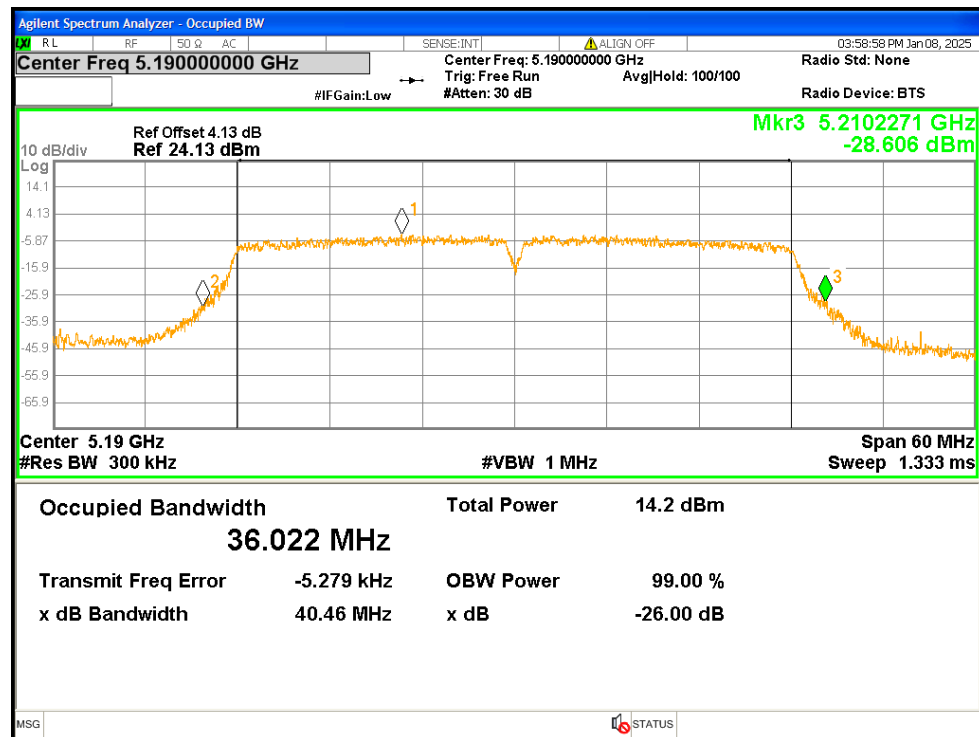
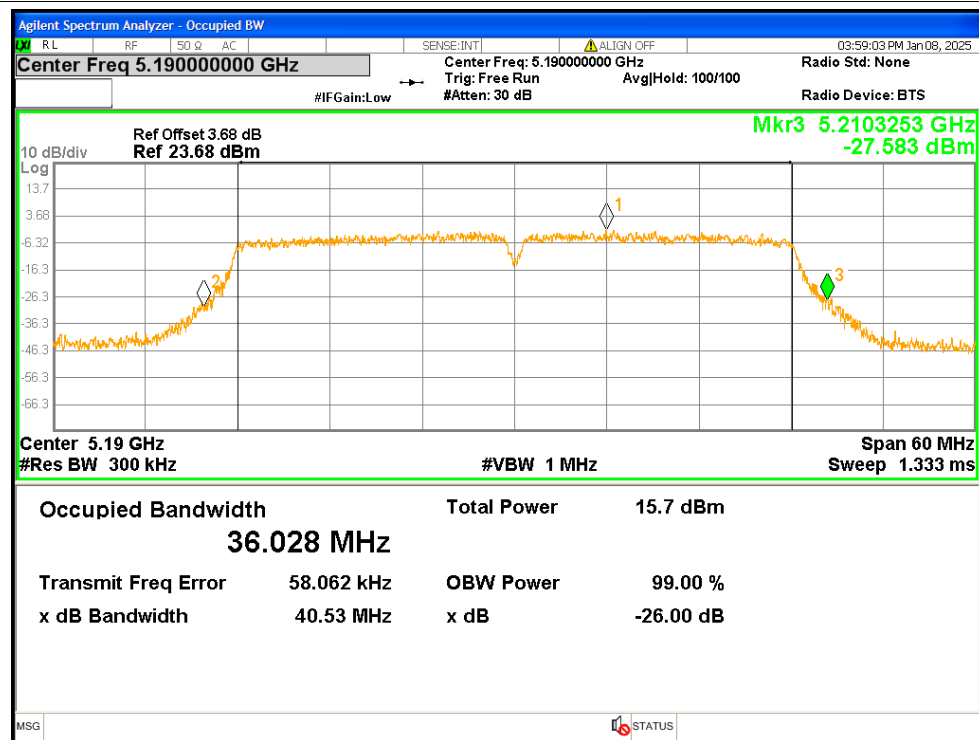
-26dB Bandwidth NVNT ac40 5230MHz Ant1**-26dB Bandwidth NVNT ac40 5230MHz Ant2**

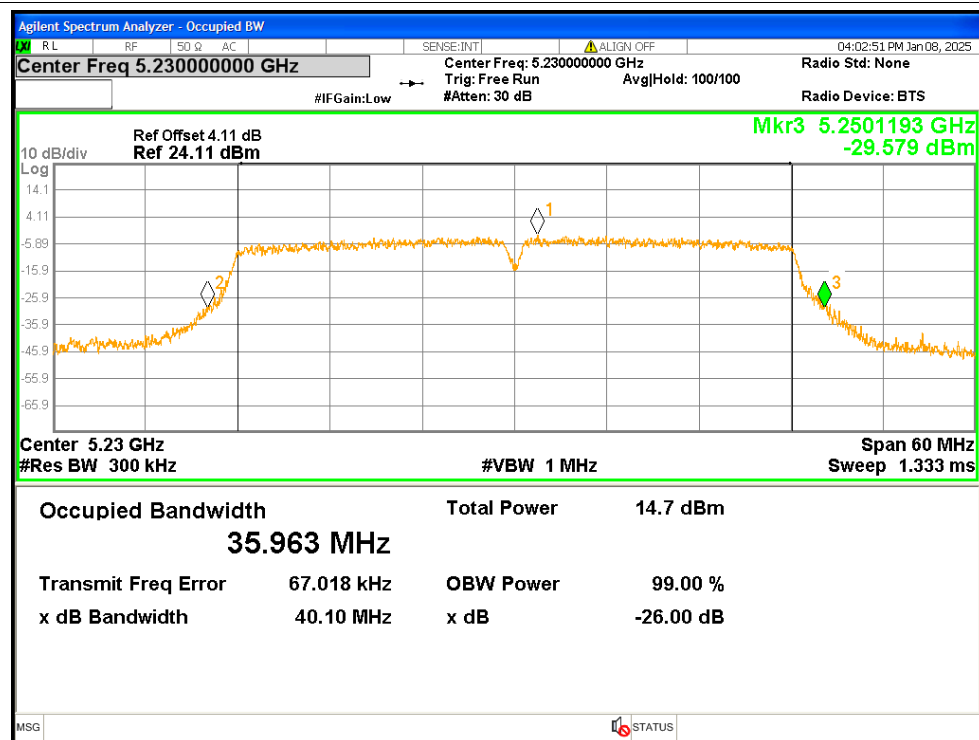
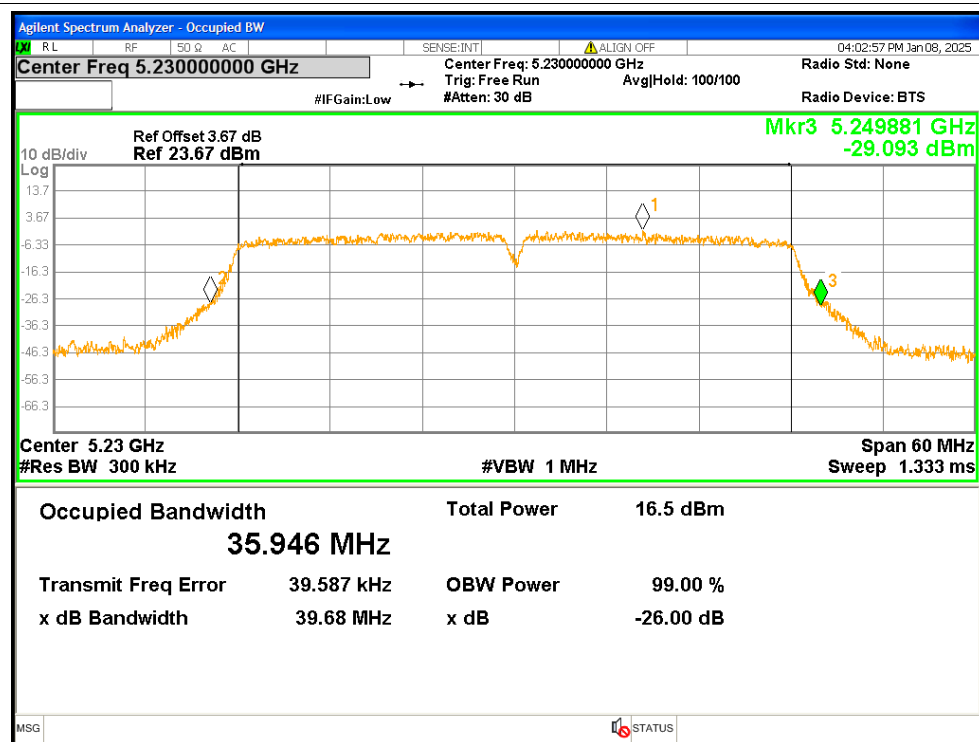
-26dB Bandwidth NVNT ac80 5210MHz Ant1**-26dB Bandwidth NVNT ac80 5210MHz Ant2**

-26dB Bandwidth NVNT n20 5180MHz Ant1**-26dB Bandwidth NVNT n20 5180MHz Ant2**

-26dB Bandwidth NVNT n20 5200MHz Ant1**-26dB Bandwidth NVNT n20 5200MHz Ant2**

-26dB Bandwidth NVNT n20 5240MHz Ant1**-26dB Bandwidth NVNT n20 5240MHz Ant2**

-26dB Bandwidth NVNT n40 5190MHz Ant1**-26dB Bandwidth NVNT n40 5190MHz Ant2**

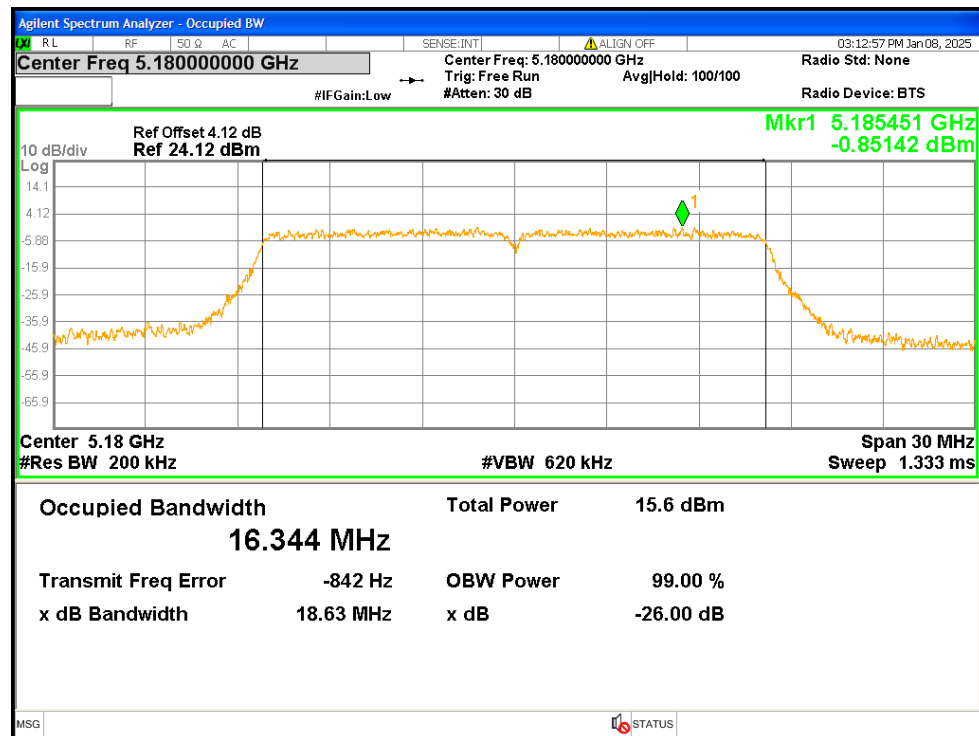
-26dB Bandwidth NVNT n40 5230MHz Ant1**-26dB Bandwidth NVNT n40 5230MHz Ant2**

4. Occupied Channel Bandwidth

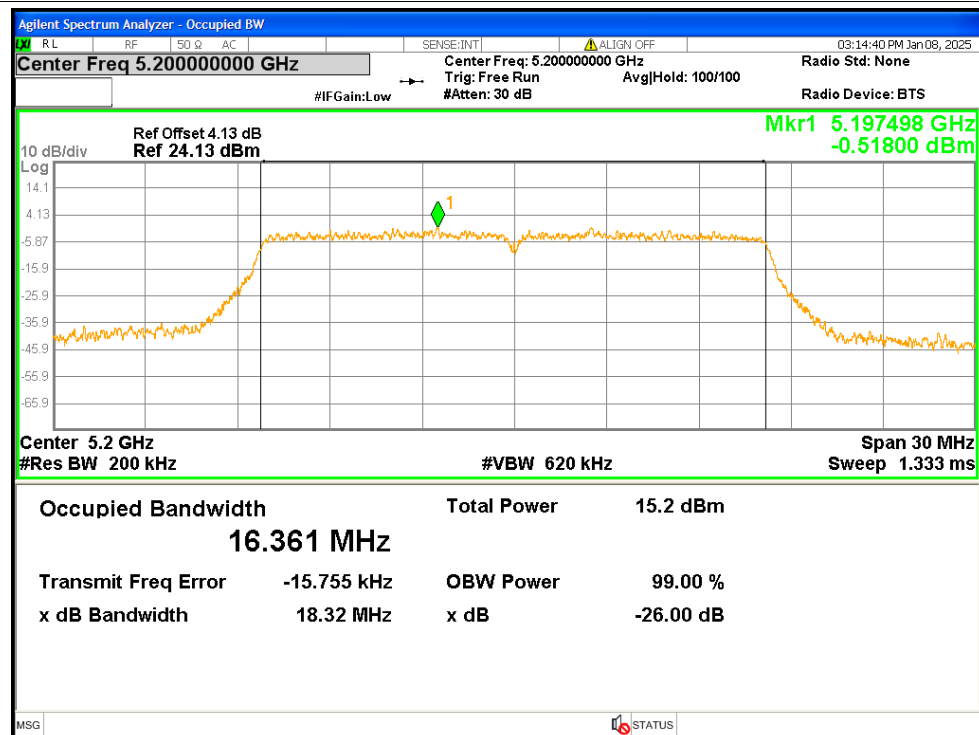
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.344
NVNT	a	5200	Ant1	16.3609
NVNT	a	5240	Ant1	16.3432
NVNT	a	5180	Ant2	16.3435
NVNT	a	5200	Ant2	16.3363
NVNT	a	5240	Ant2	16.3202
NVNT	ac20	5180	Ant1	17.5313
NVNT	ac20	5180	Ant2	17.5246
NVNT	ac20	5200	Ant1	17.5282
NVNT	ac20	5200	Ant2	17.5204
NVNT	ac20	5240	Ant1	17.533
NVNT	ac20	5240	Ant2	17.5381
NVNT	ac40	5190	Ant1	36.0078
NVNT	ac40	5190	Ant2	36.0608
NVNT	ac40	5230	Ant1	36.0121
NVNT	ac40	5230	Ant2	36.0106
NVNT	ac80	5210	Ant1	74.7851
NVNT	ac80	5210	Ant2	74.5157
NVNT	n20	5180	Ant1	17.54
NVNT	n20	5180	Ant2	17.5159
NVNT	n20	5200	Ant1	17.5379
NVNT	n20	5200	Ant2	17.523
NVNT	n20	5240	Ant1	17.5236
NVNT	n20	5240	Ant2	17.5255
NVNT	n40	5190	Ant1	36.0891
NVNT	n40	5190	Ant2	36.1353
NVNT	n40	5230	Ant1	36.0366
NVNT	n40	5230	Ant2	36.0532

Test Graphs

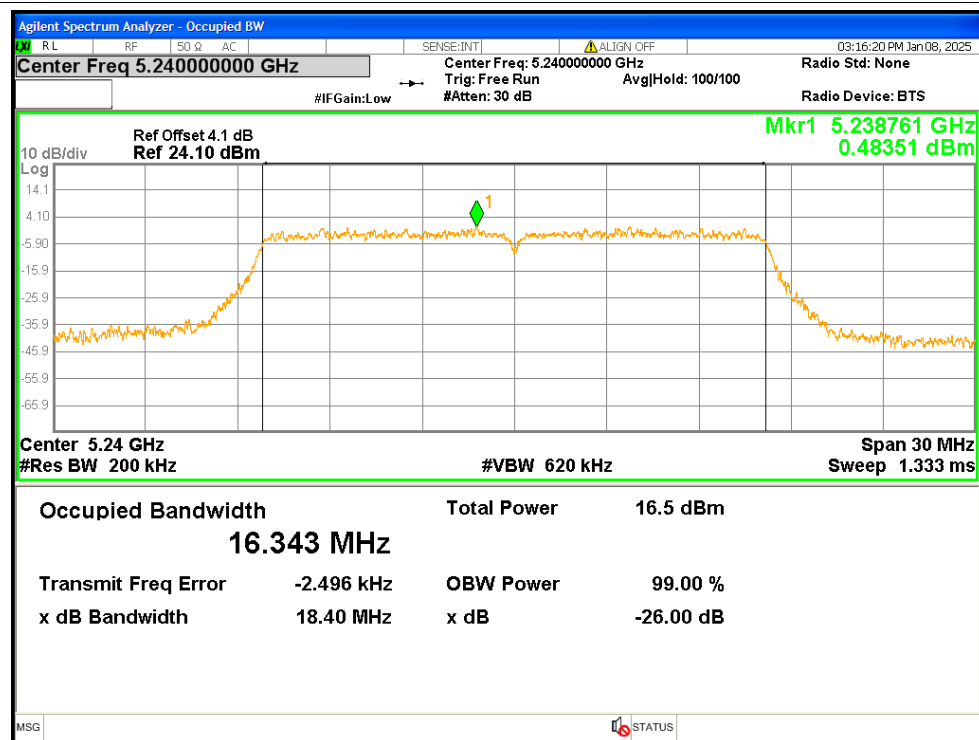
OBW NVNT a 5180MHz Ant1



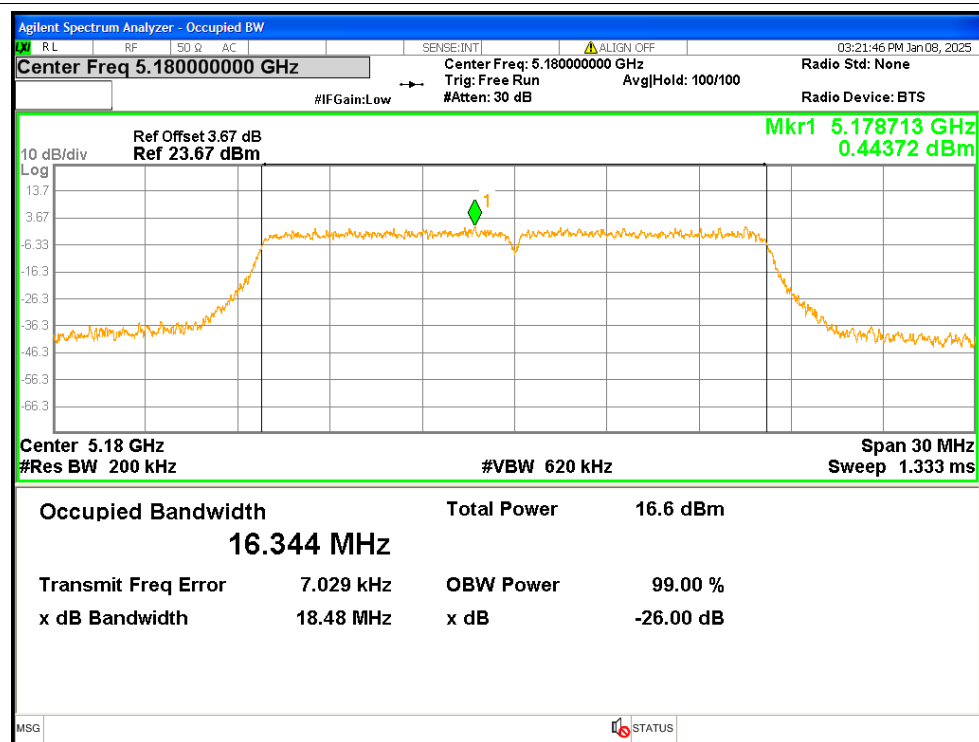
OBW NVNT a 5200MHz Ant1



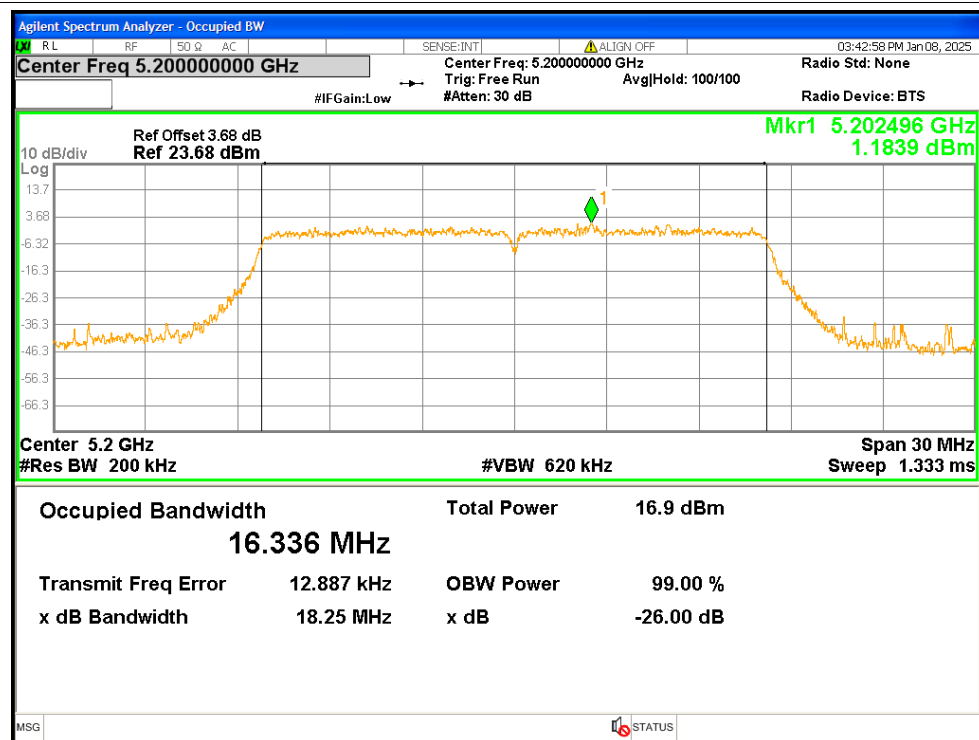
OBW NVNT a 5240MHz Ant1



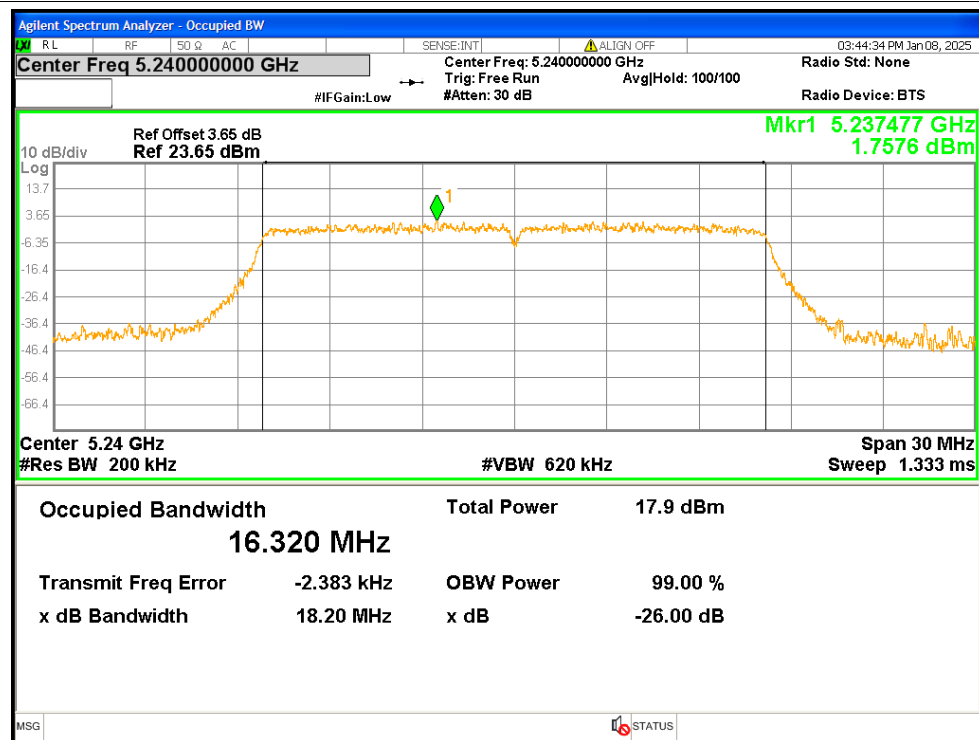
OBW NVNT a 5180MHz Ant2



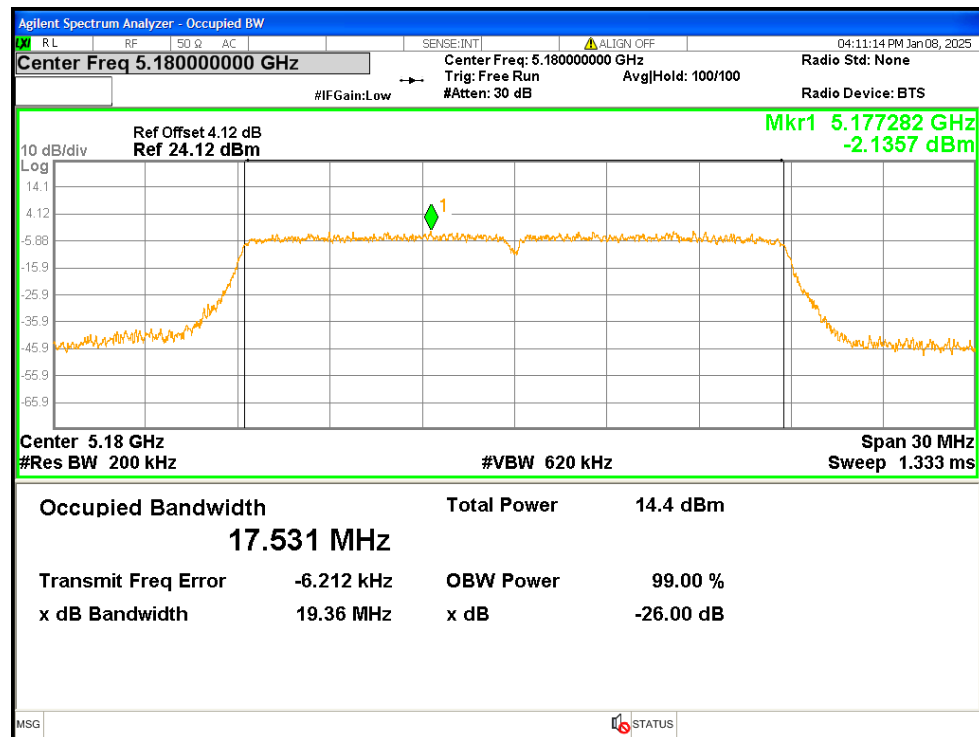
OBW NVNT a 5200MHz Ant2



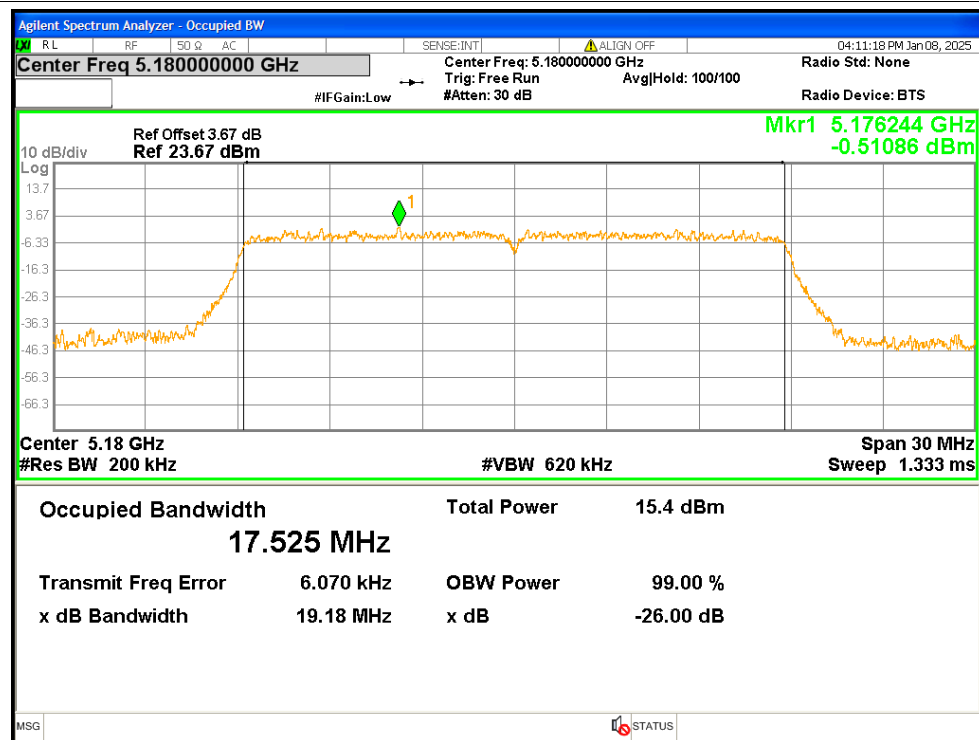
OBW NVNT a 5240MHz Ant2



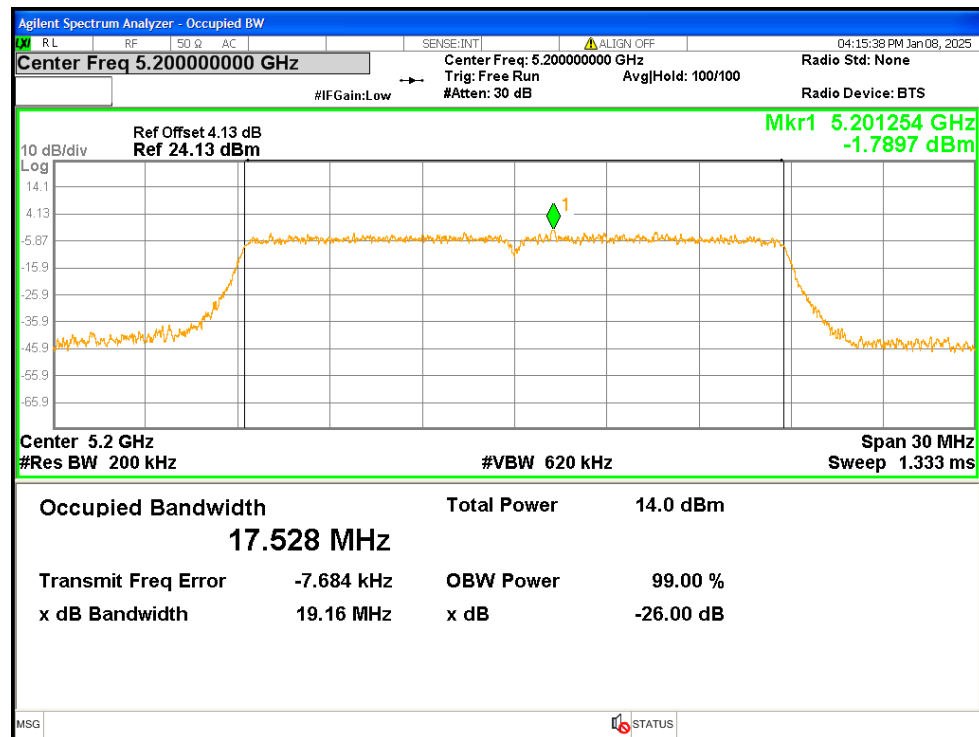
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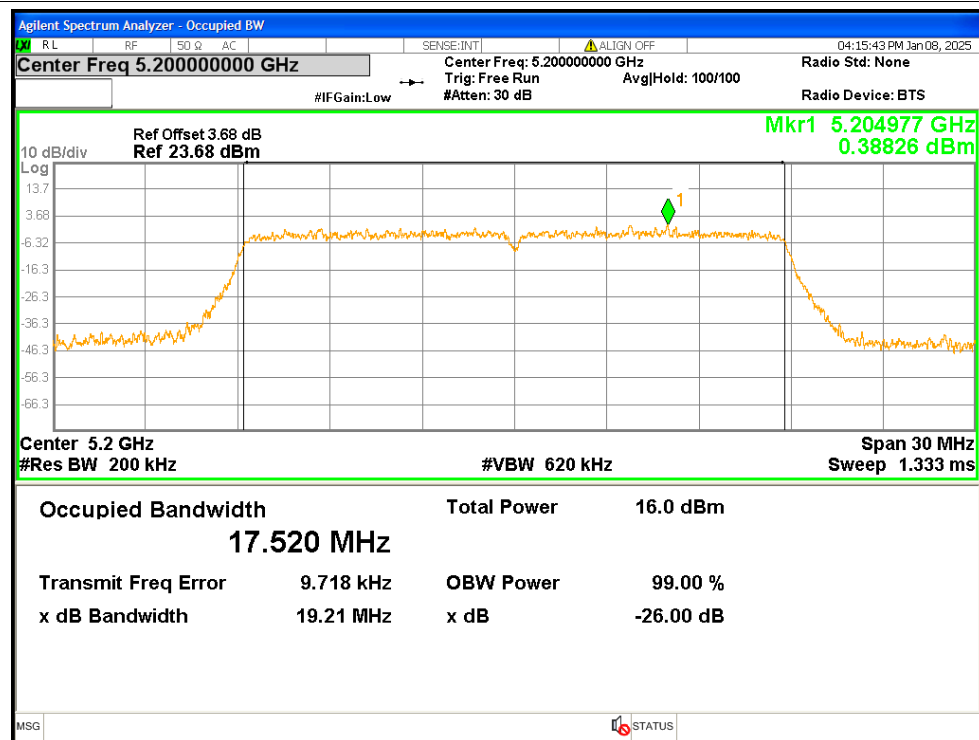
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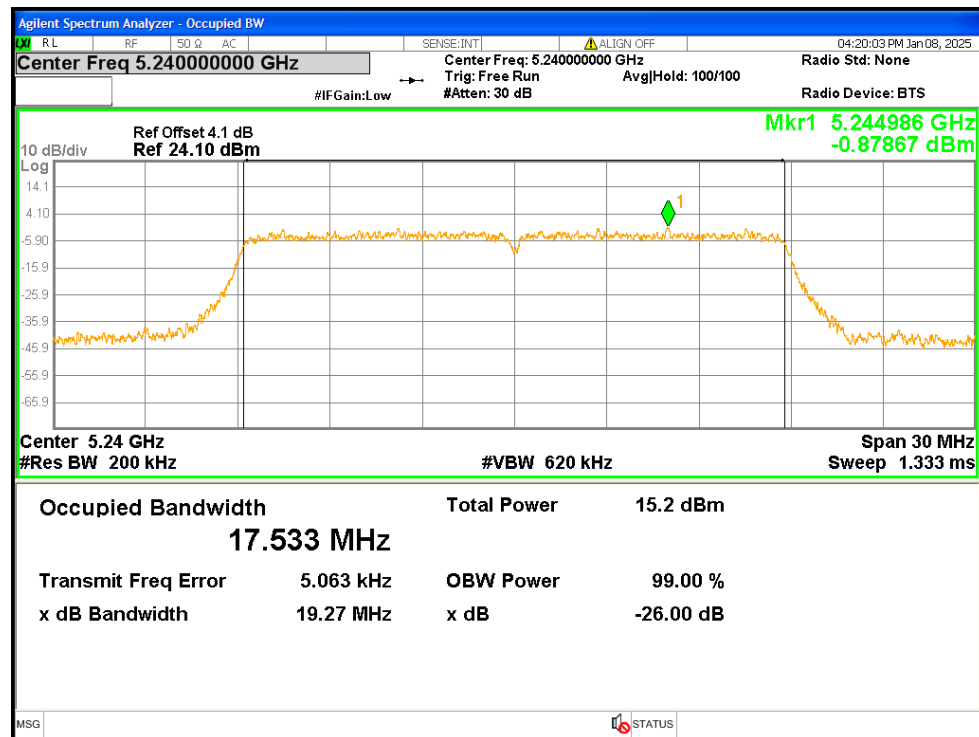
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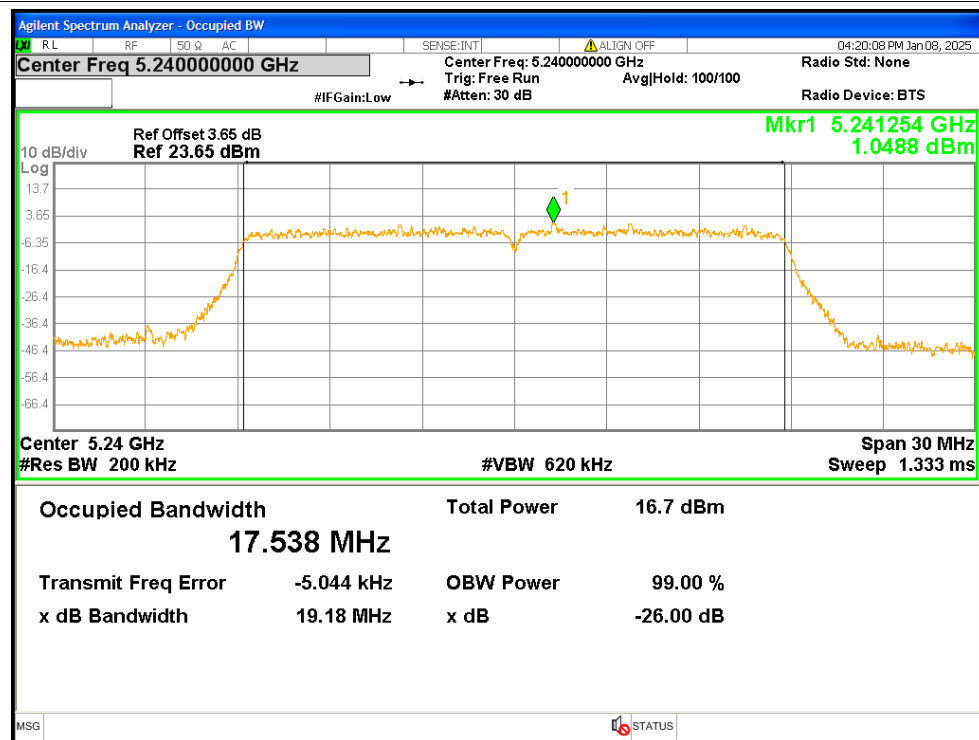
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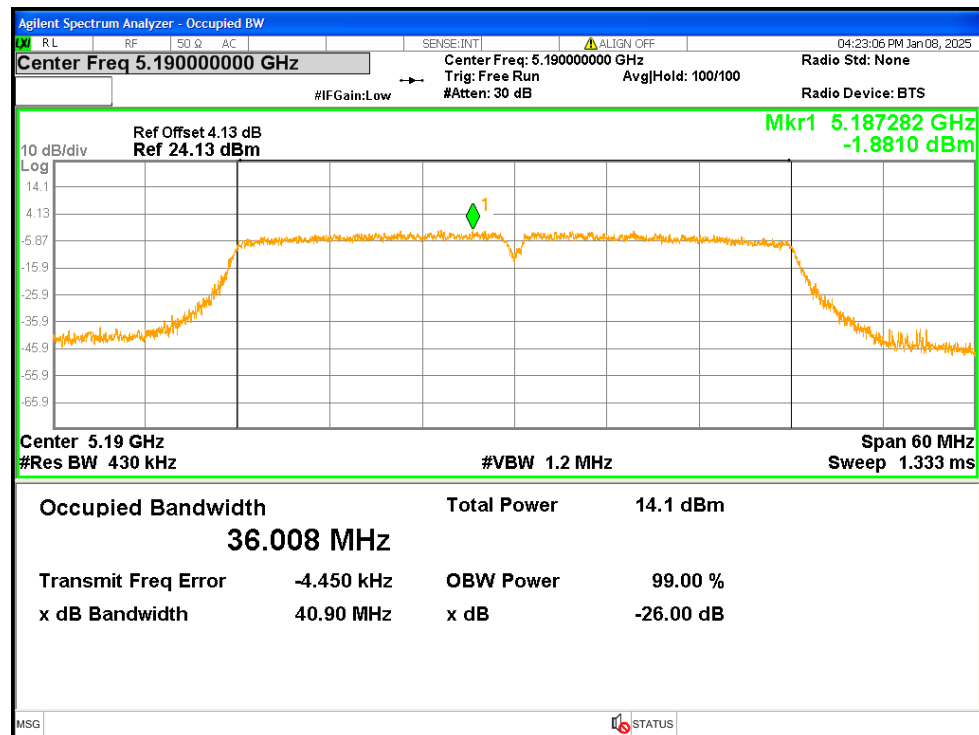
OBW NVNT ac20 5240MHz Ant1



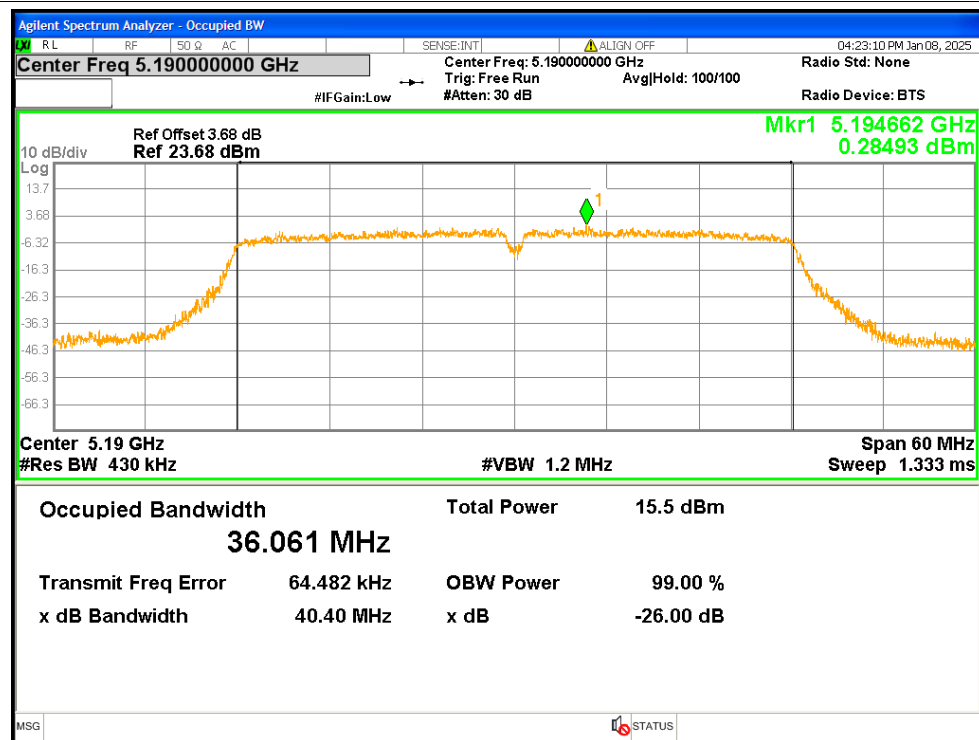
OBW NVNT ac20 5240MHz Ant2



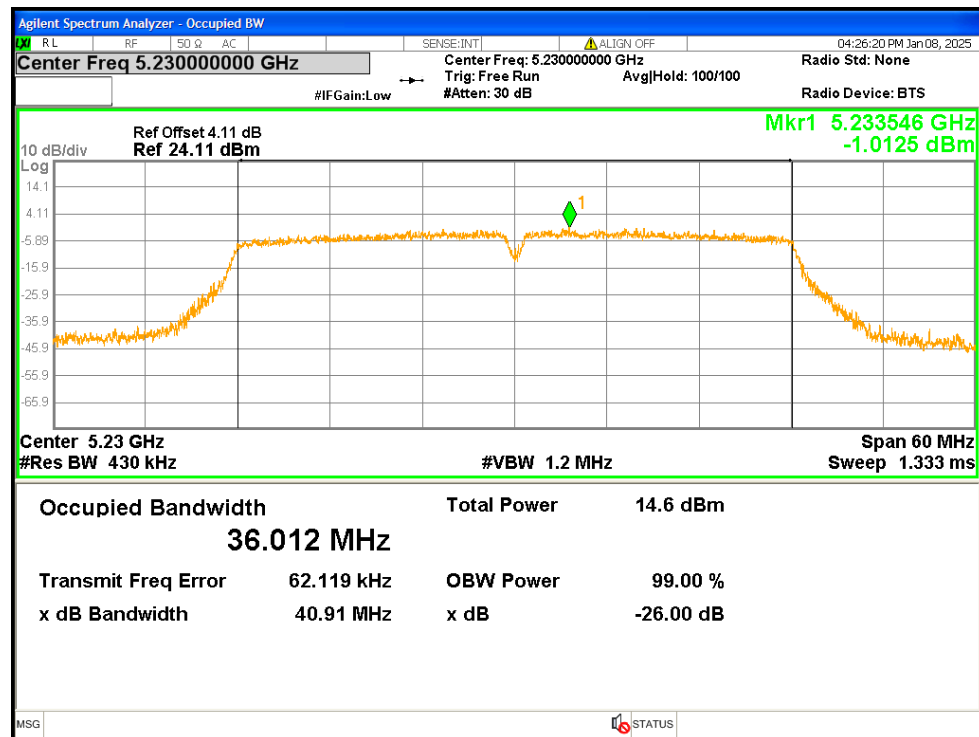
OBW NVNT ac40 5190MHz Ant1



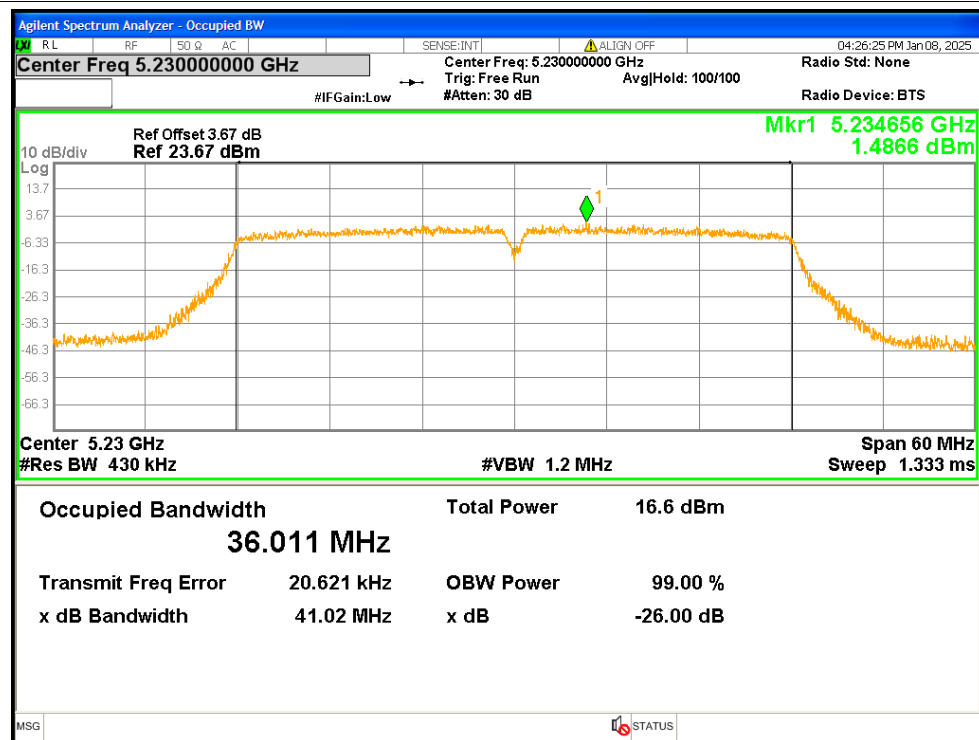
OBW NVNT ac40 5190MHz Ant2



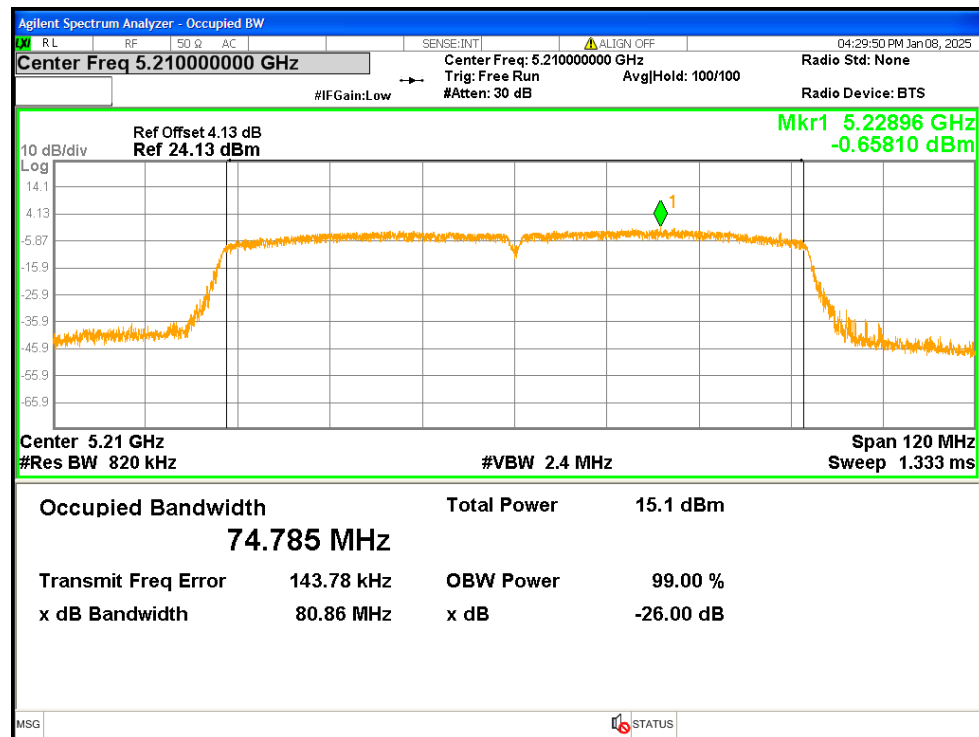
OBW NVNT ac40 5230MHz Ant1



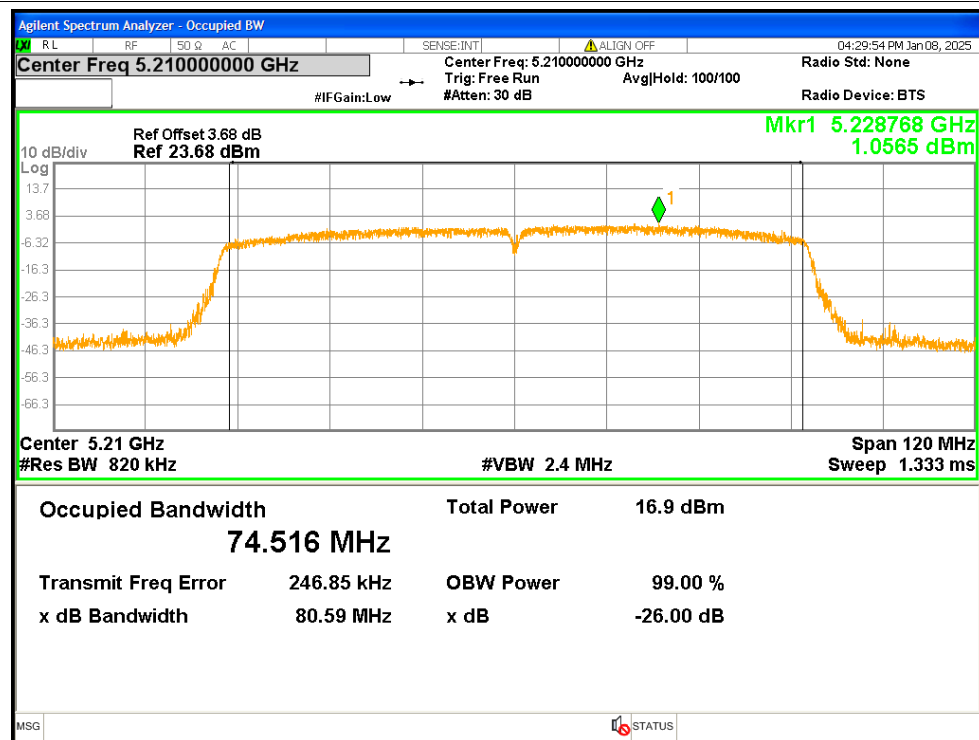
OBW NVNT ac40 5230MHz Ant2



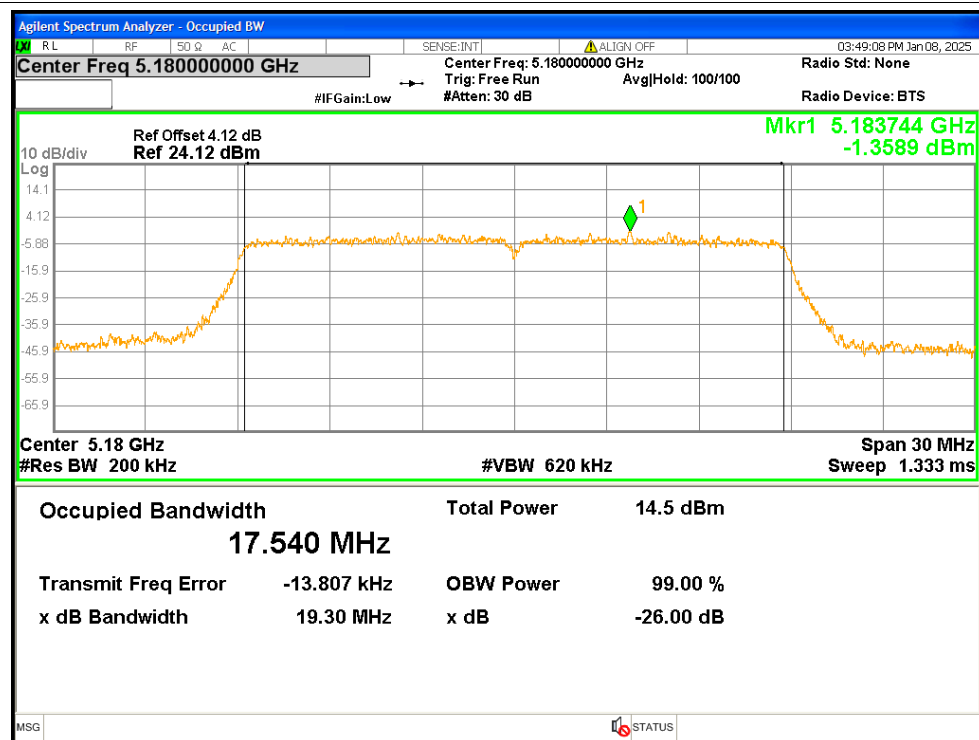
OBW NVNT ac80 5210MHz Ant1



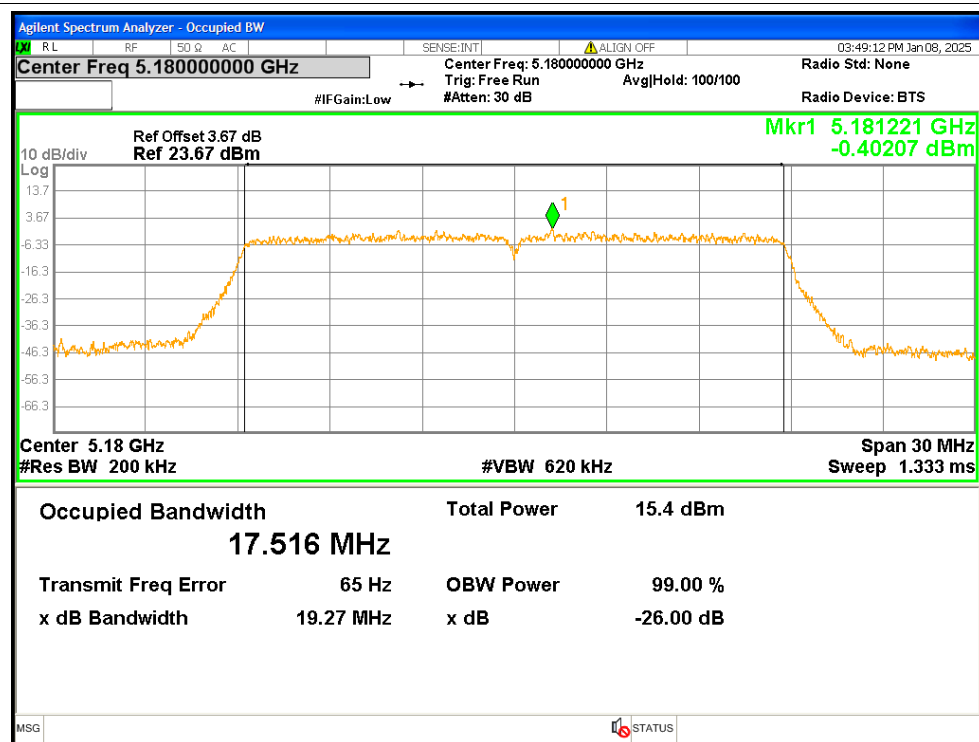
OBW NVNT ac80 5210MHz Ant2



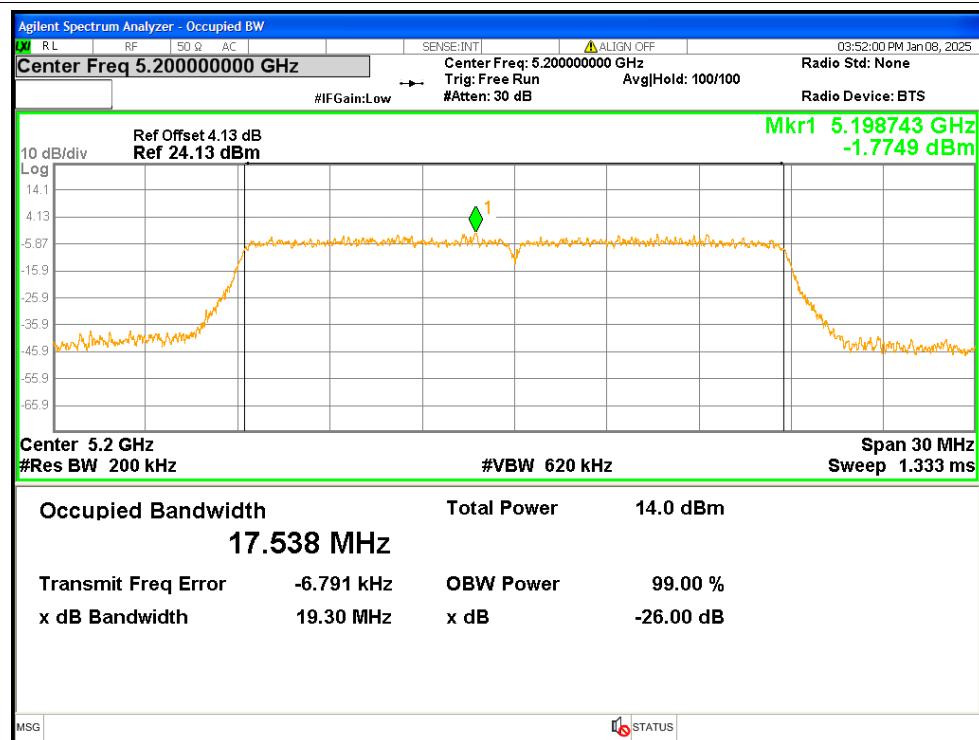
OBW NVNT n20 5180MHz Ant1



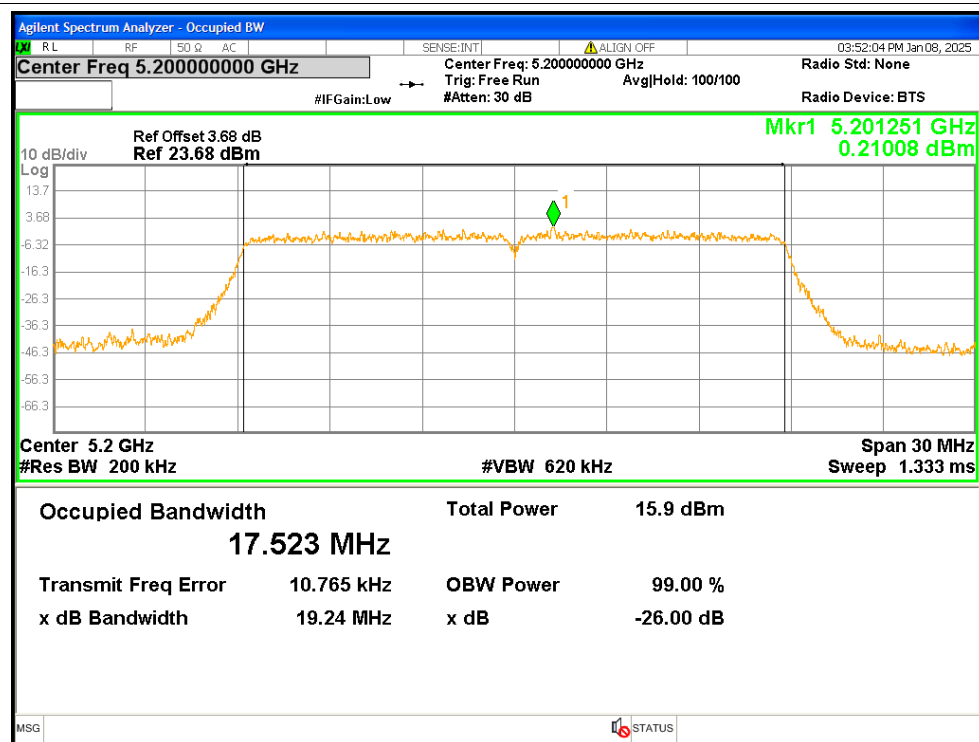
OBW NVNT n20 5180MHz Ant2



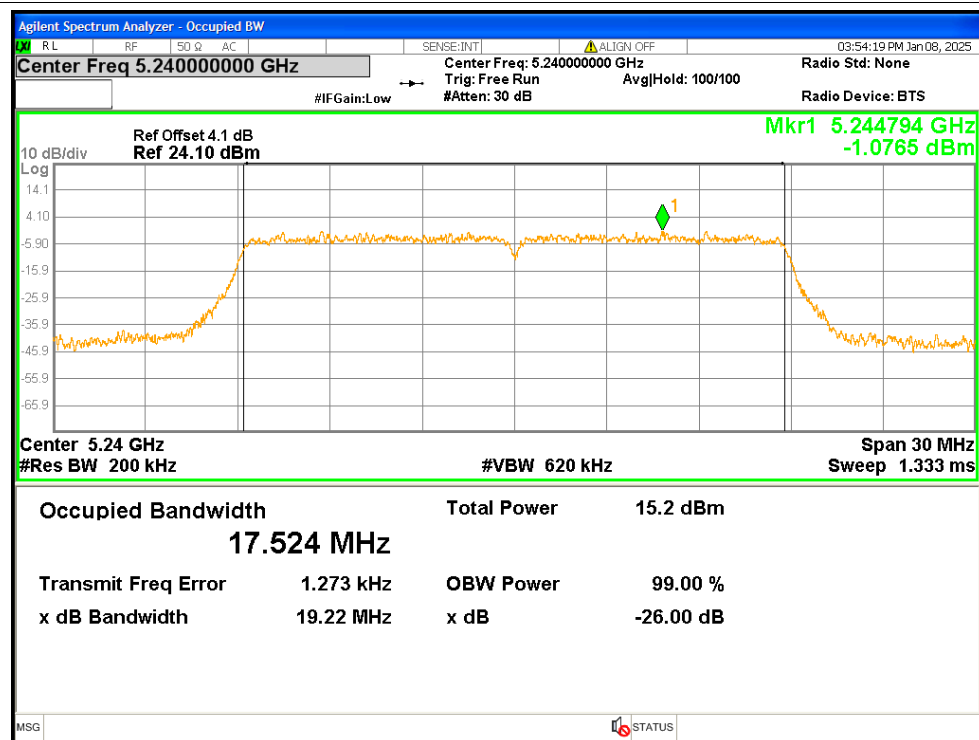
OBW NVNT n20 5200MHz Ant1



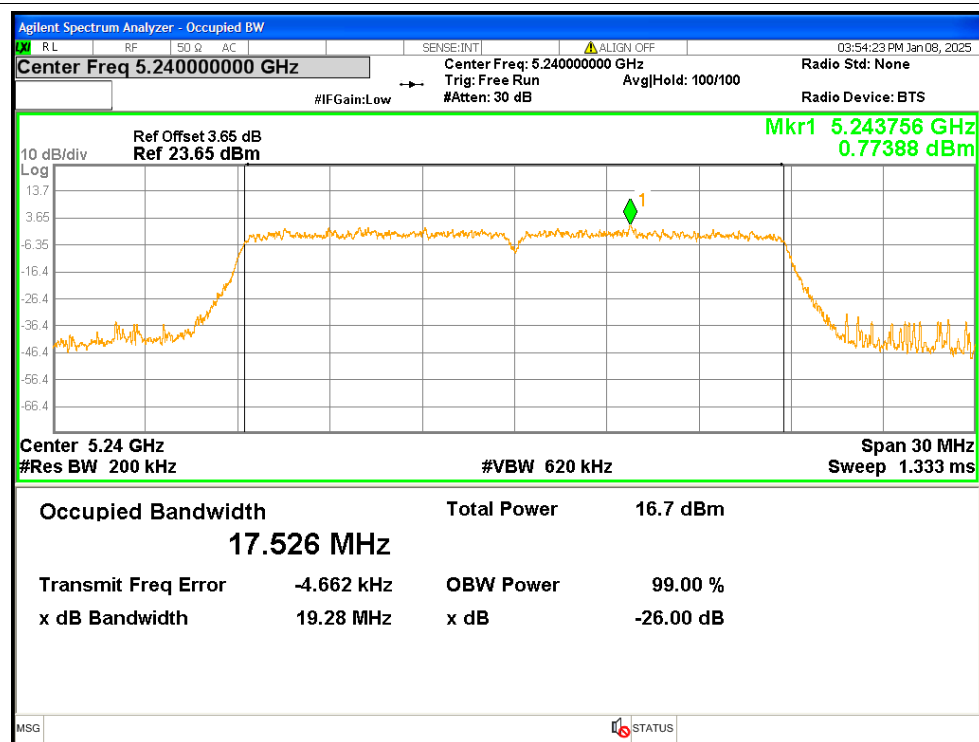
OBW NVNT n20 5200MHz Ant2



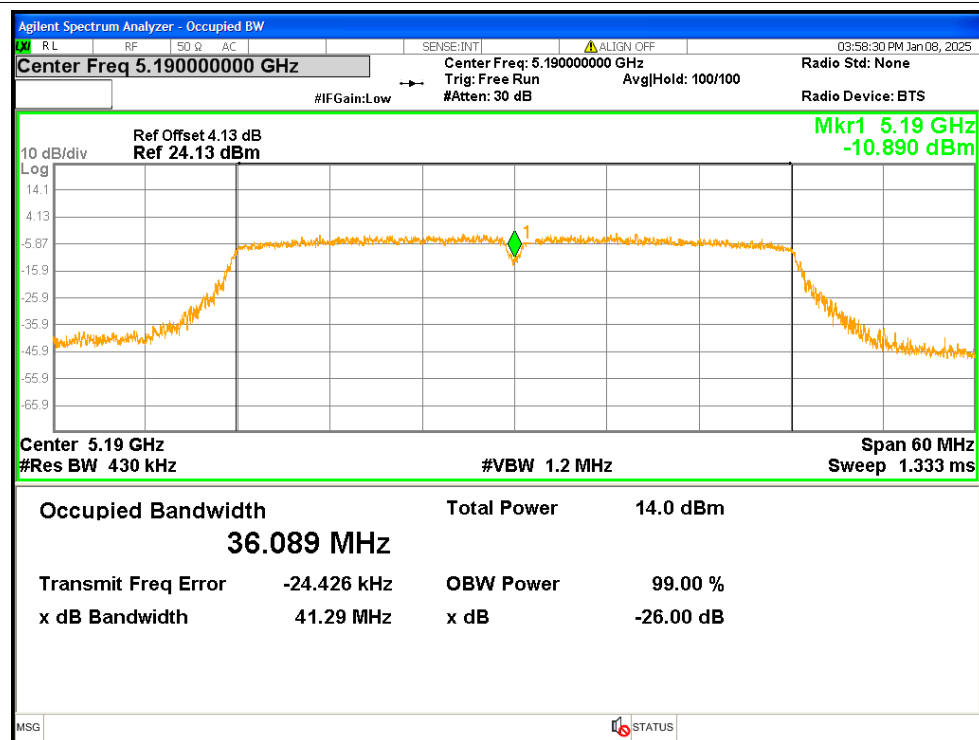
OBW NVNT n20 5240MHz Ant1



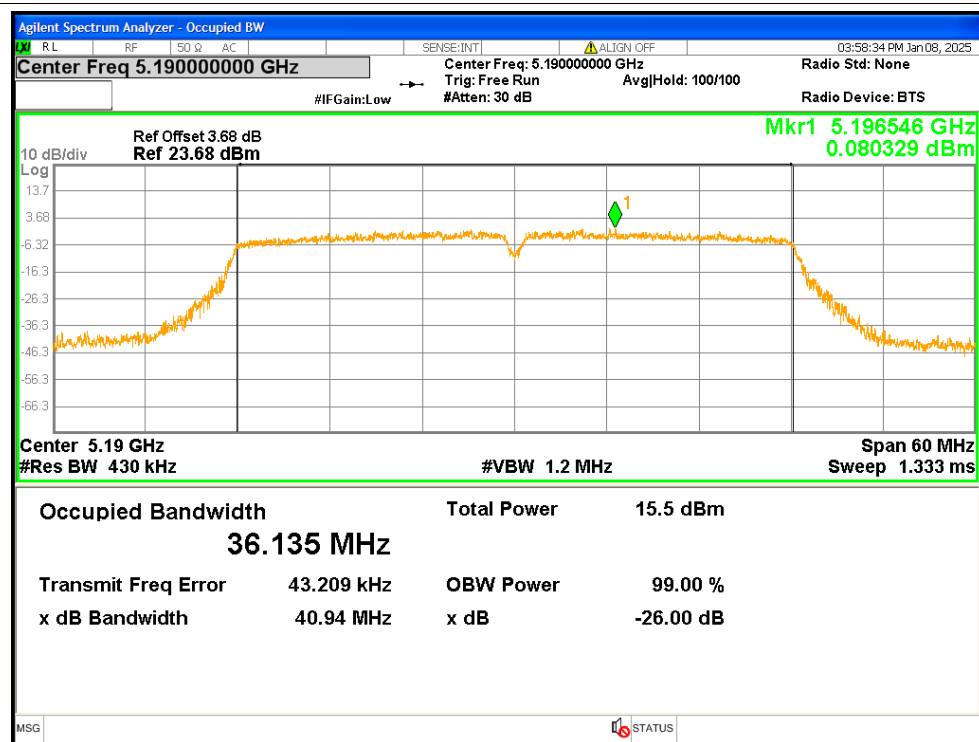
OBW NVNT n20 5240MHz Ant2



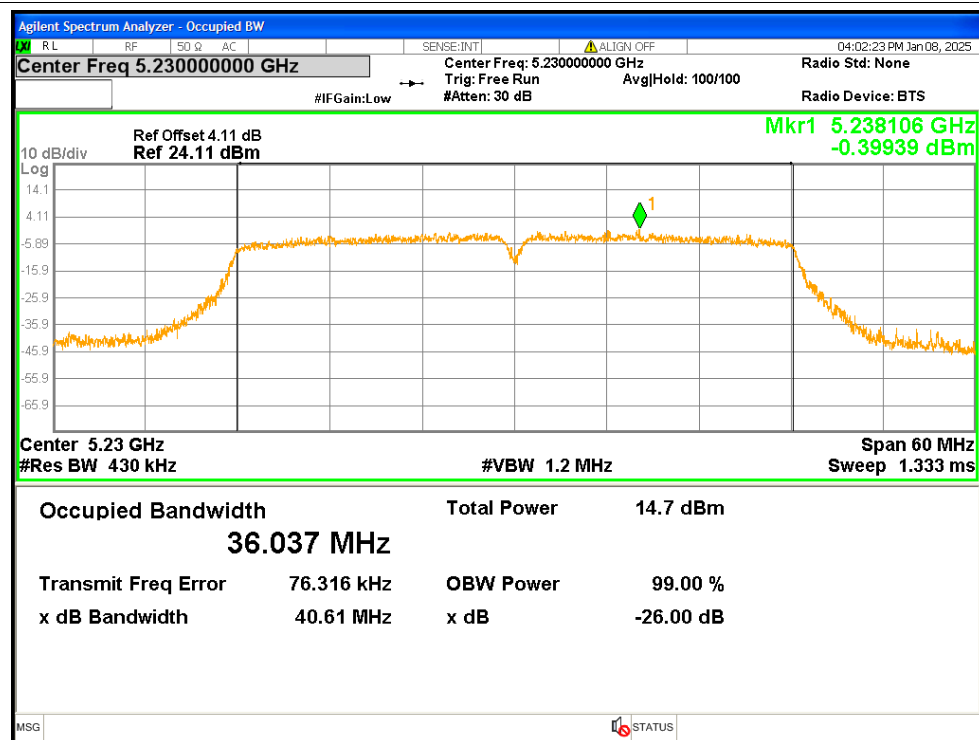
OBW NVNT n40 5190MHz Ant1



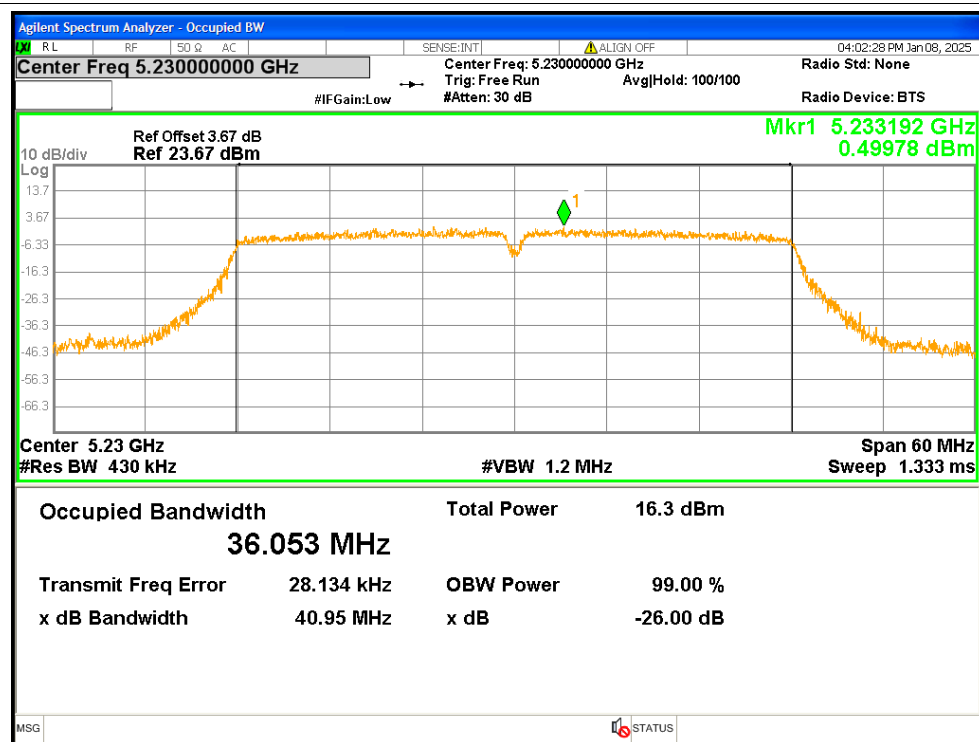
OBW NVNT n40 5190MHz Ant2



OBW NVNT n40 5230MHz Ant1



OBW NVNT n40 5230MHz Ant2

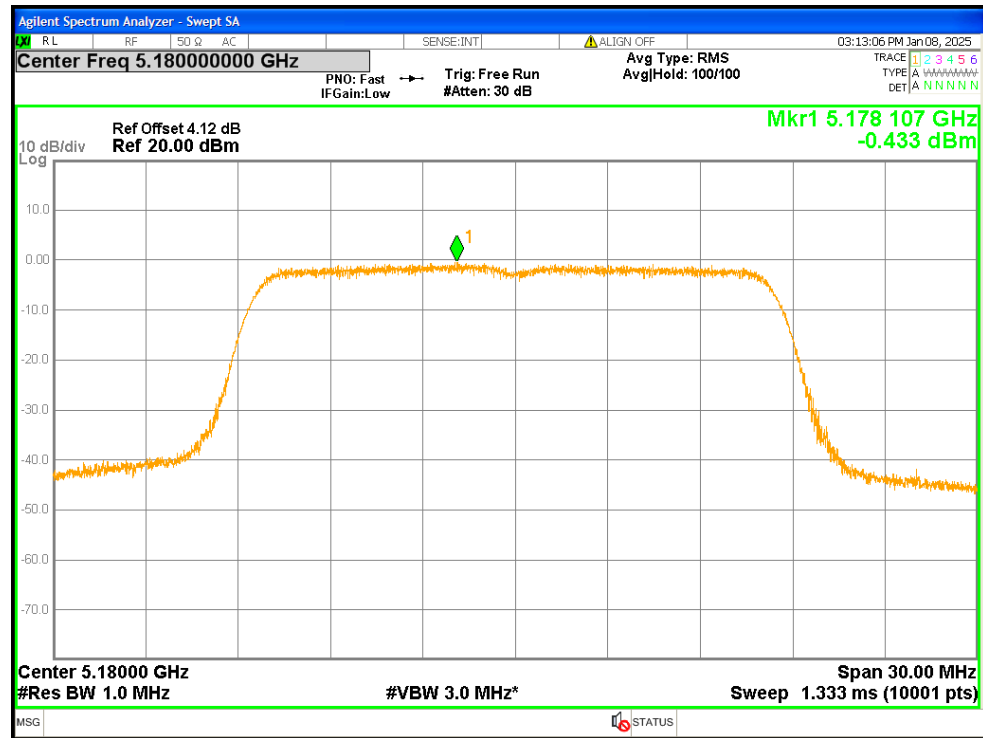


5. Maximum Power Spectral Density Level

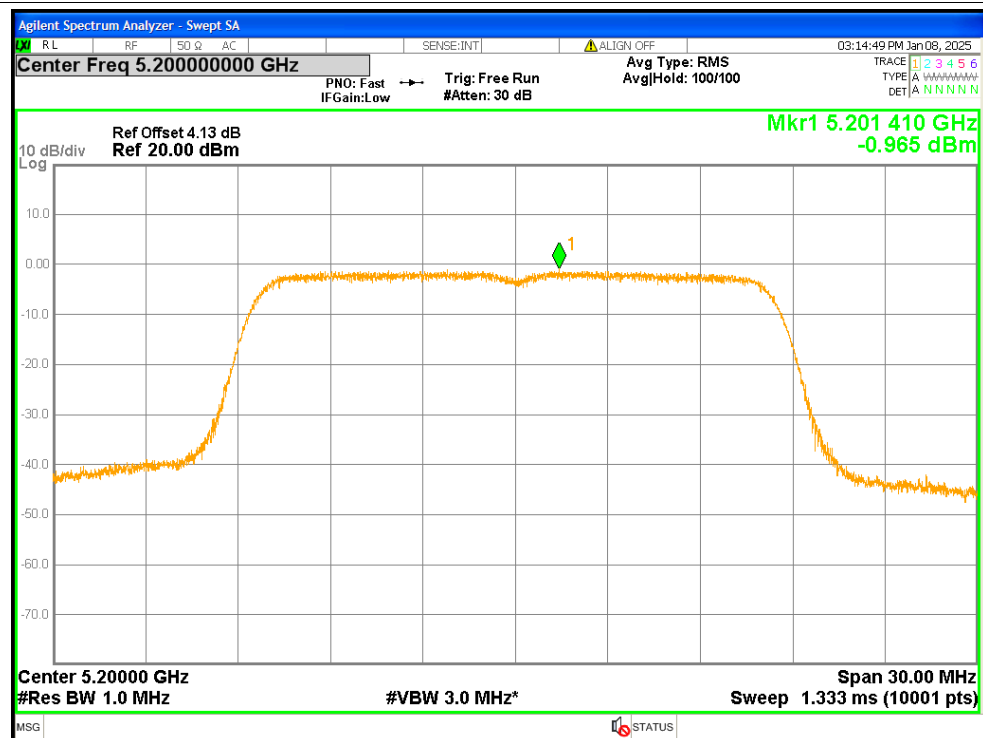
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-0.433	0.32	-0.113	<=11	Pass
NVNT	a	5200	Ant1	-0.965	0.35	-0.615	<=11	Pass
NVNT	a	5240	Ant1	0.139	0.34	0.479	<=11	Pass
NVNT	a	5180	Ant2	0.192	0.35	0.542	<=11	Pass
NVNT	a	5200	Ant2	0.539	0.34	0.879	<=11	Pass
NVNT	a	5240	Ant2	1.593	0.35	1.943	<=11	Pass
NVNT	ac20	5180	Ant1	-2.226	0.37	-1.856	<=11	Pass
NVNT	ac20	5180	Ant2	-1.018	0.37	-0.648	<=11	Pass
NVNT	ac20	5180	Sum	1.43	0.37	1.8	<=8.78	Pass
NVNT	ac20	5200	Ant1	-2.17	0.39	-1.78	<=11	Pass
NVNT	ac20	5200	Ant2	-0.788	0.39	-0.398	<=11	Pass
NVNT	ac20	5200	Sum	1.586	0.39	1.976	<=8.78	Pass
NVNT	ac20	5240	Ant1	-1.368	0.35	-1.018	<=11	Pass
NVNT	ac20	5240	Ant2	0.157	0.35	0.507	<=11	Pass
NVNT	ac20	5240	Sum	2.471	0.35	2.821	<=8.78	Pass
NVNT	ac40	5190	Ant1	-5.335	0.75	-4.585	<=11	Pass
NVNT	ac40	5190	Ant2	-4.51	0.75	-3.76	<=11	Pass
NVNT	ac40	5190	Sum	-1.893	0.75	-1.143	<=8.78	Pass
NVNT	ac40	5230	Ant1	-4.483	0.72	-3.763	<=11	Pass
NVNT	ac40	5230	Ant2	-2.729	0.72	-2.009	<=11	Pass
NVNT	ac40	5230	Sum	-0.508	0.72	0.212	<=8.78	Pass
NVNT	ac80	5210	Ant1	-8.509	1.48	-7.029	<=11	Pass
NVNT	ac80	5210	Ant2	-7.102	1.48	-5.622	<=11	Pass
NVNT	ac80	5210	Sum	-4.738	1.48	-3.258	<=8.78	Pass
NVNT	n20	5180	Ant1	-2.439	0.34	-2.099	<=11	Pass
NVNT	n20	5180	Ant2	-1.477	0.34	-1.137	<=11	Pass
NVNT	n20	5180	Sum	1.079	0.34	1.419	<=8.78	Pass
NVNT	n20	5200	Ant1	-2.578	0.34	-2.238	<=11	Pass
NVNT	n20	5200	Ant2	-0.256	0.34	0.084	<=11	Pass
NVNT	n20	5200	Sum	1.747	0.34	2.087	<=8.78	Pass
NVNT	n20	5240	Ant1	-1.509	0.34	-1.169	<=11	Pass
NVNT	n20	5240	Ant2	-0.063	0.34	0.277	<=11	Pass
NVNT	n20	5240	Sum	2.284	0.34	2.624	<=8.78	Pass
NVNT	n40	5190	Ant1	-5.614	0.7	-4.914	<=11	Pass
NVNT	n40	5190	Ant2	-4.104	0.7	-3.404	<=11	Pass
NVNT	n40	5190	Sum	-1.783	0.7	-1.083	<=8.78	Pass
NVNT	n40	5230	Ant1	-4.23	0.7	-3.53	<=11	Pass
NVNT	n40	5230	Ant2	-3.163	0.7	-2.463	<=11	Pass
NVNT	n40	5230	Sum	-0.654	0.7	0.046	<=8.78	Pass

Test Graphs

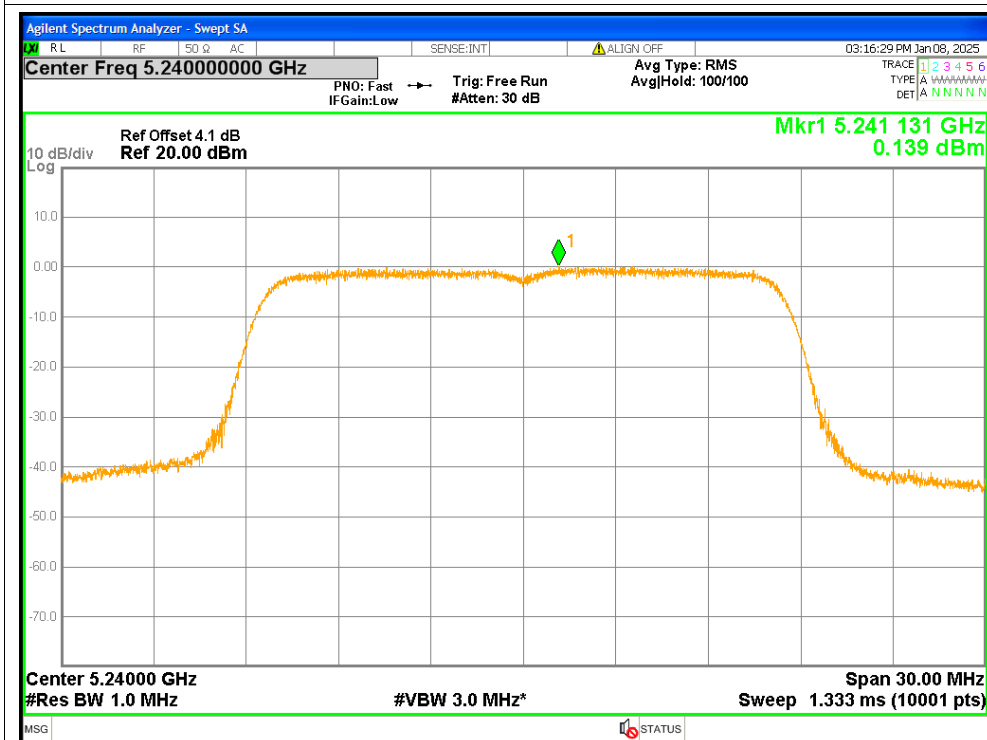
PSD NVNT a 5180MHz Ant1



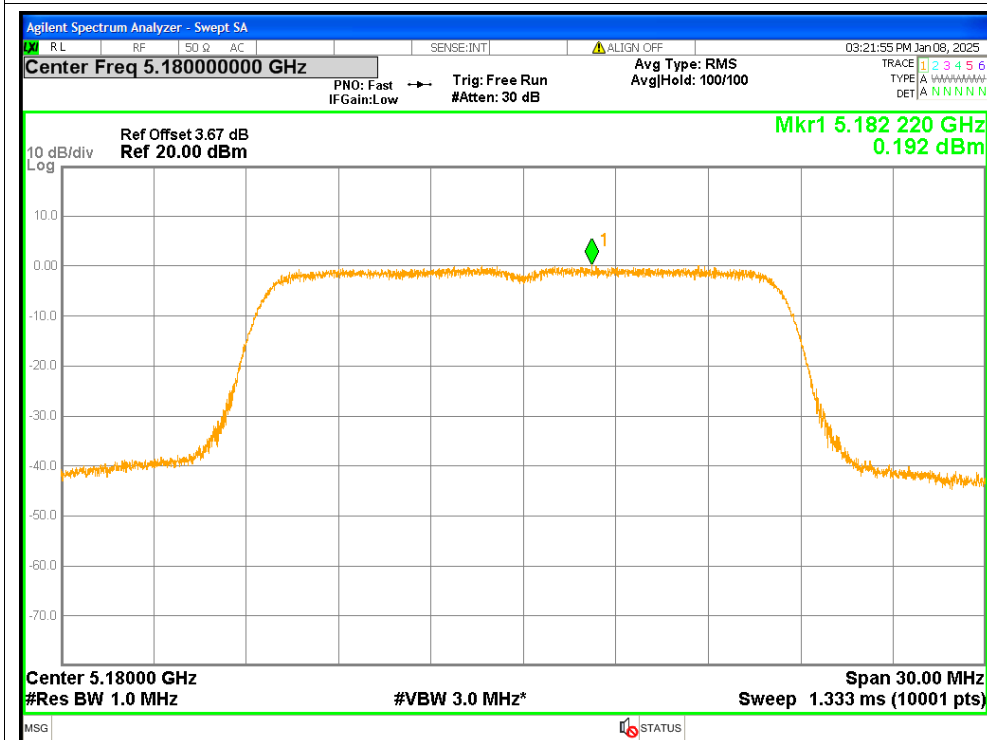
PSD NVNT a 5200MHz Ant1



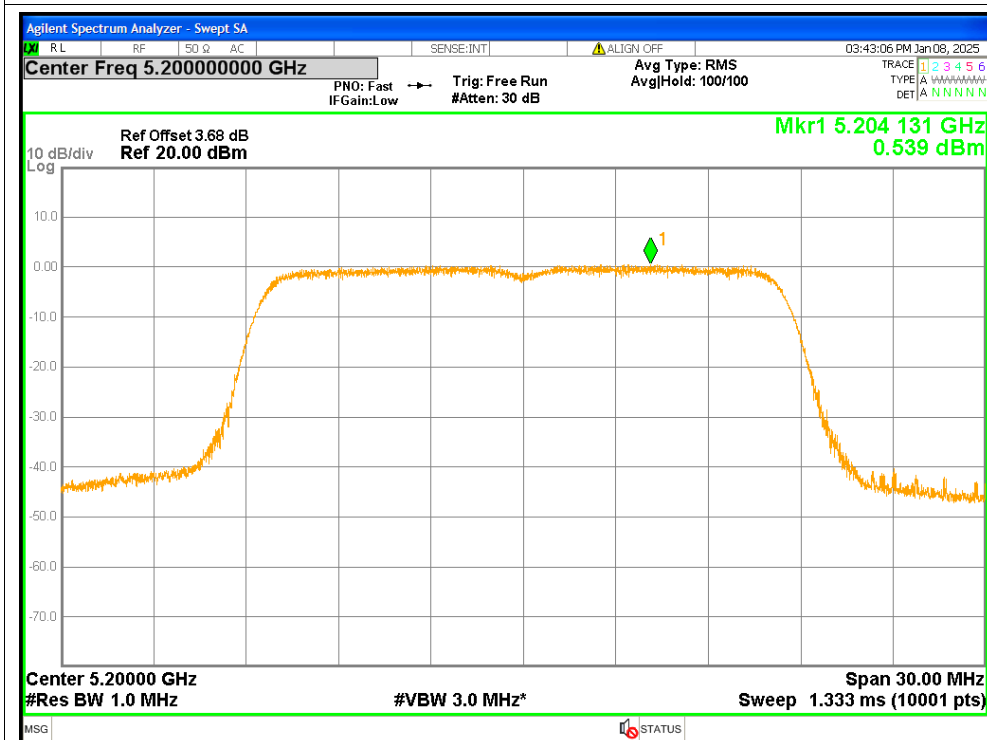
PSD NVNT a 5240MHz Ant1



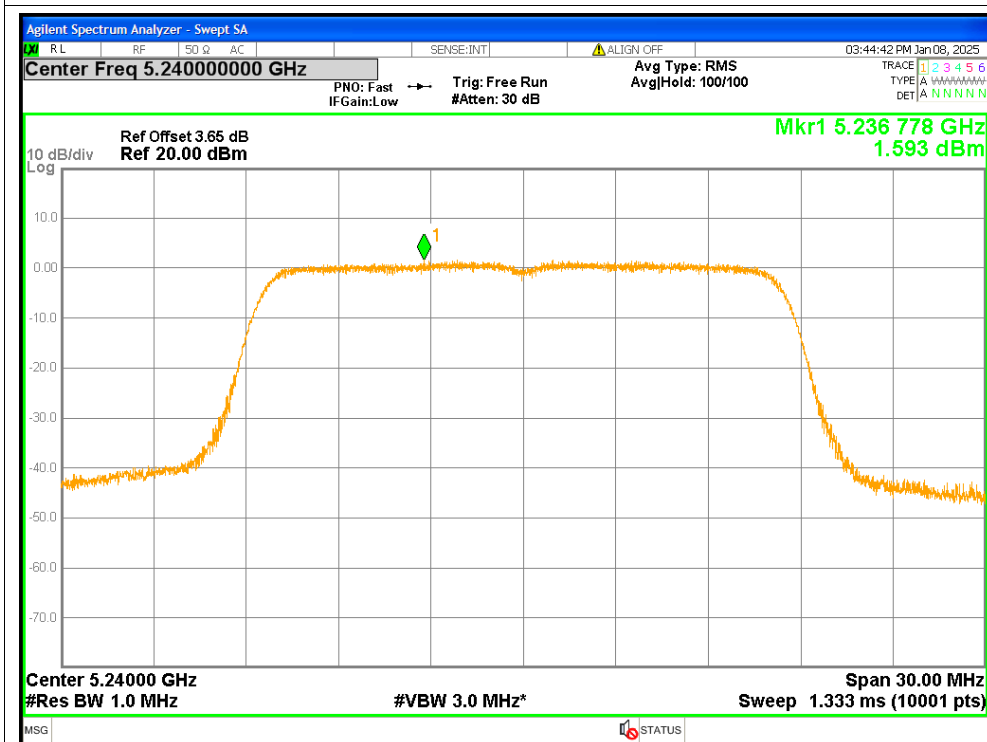
PSD NVNT a 5180MHz Ant2



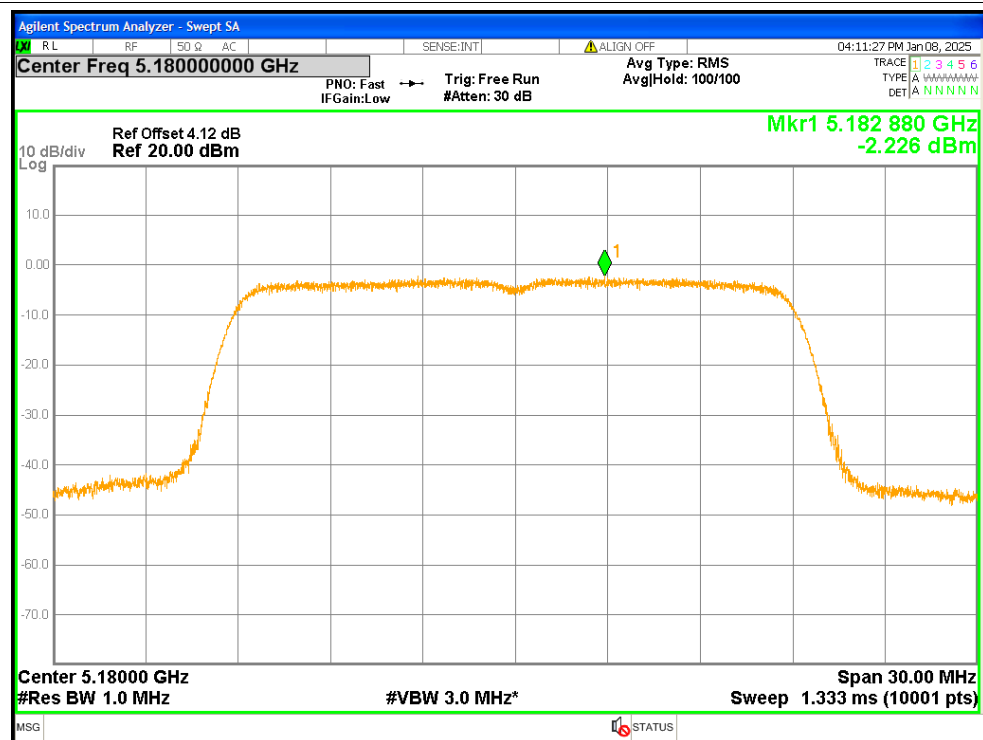
PSD NVNT a 5200MHz Ant2



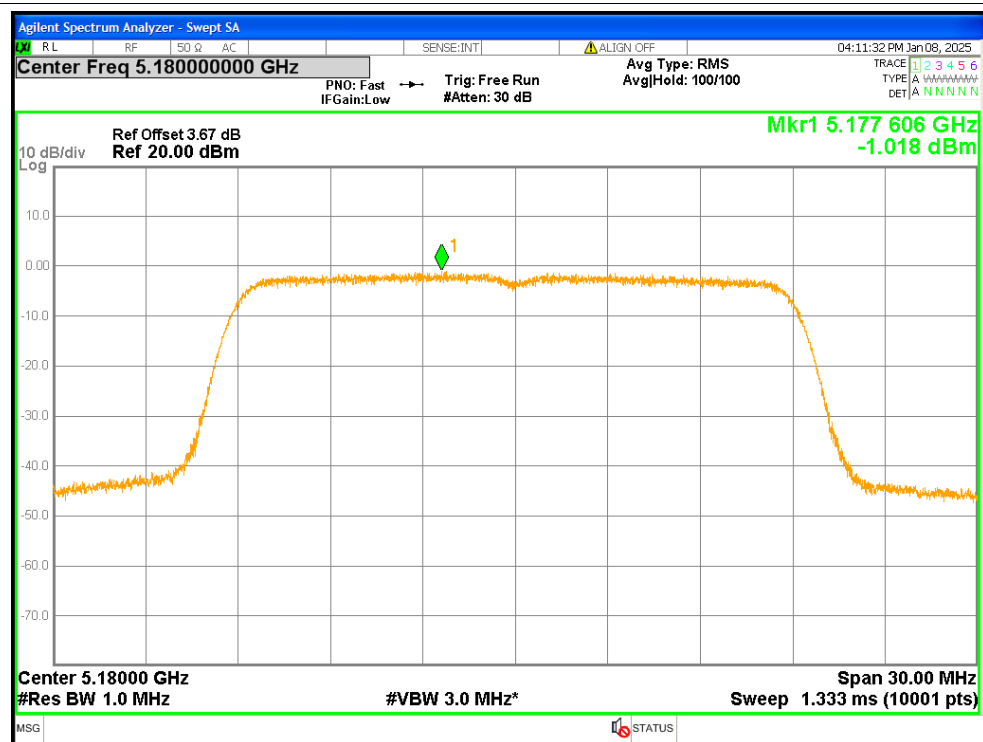
PSD NVNT a 5240MHz Ant2



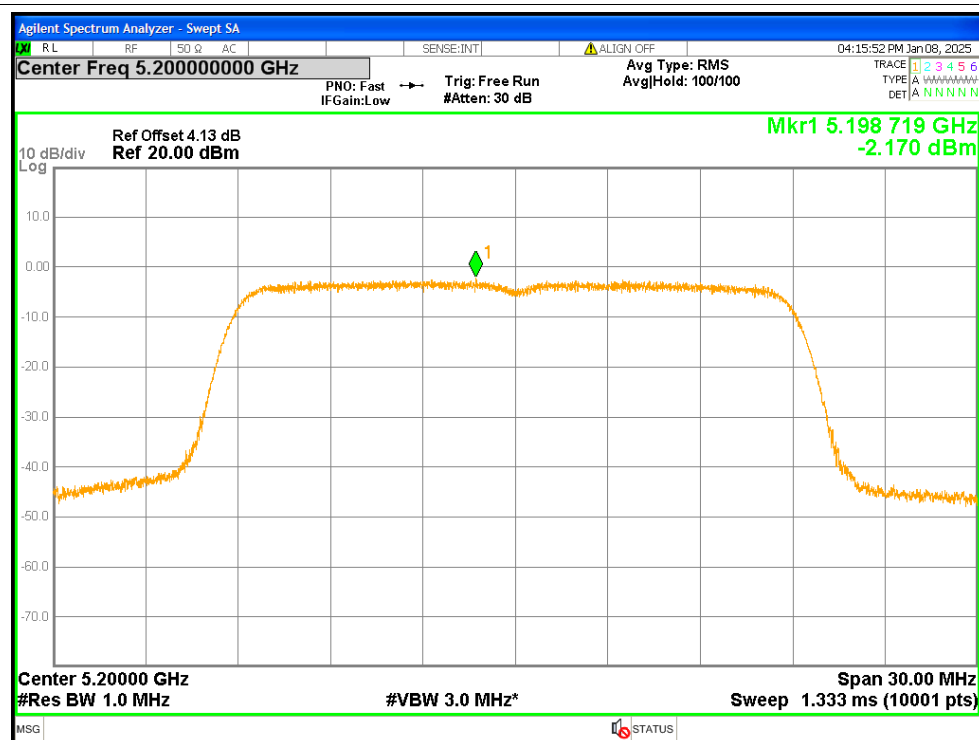
PSD NVNT ac20 5180MHz Ant1



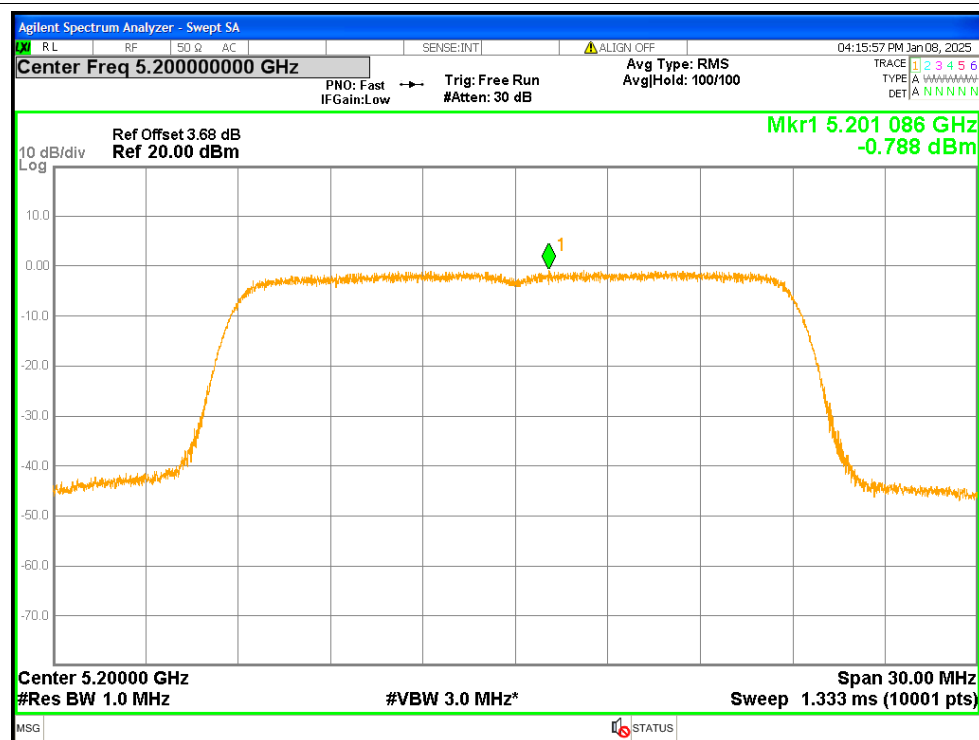
PSD NVNT ac20 5180MHz Ant2



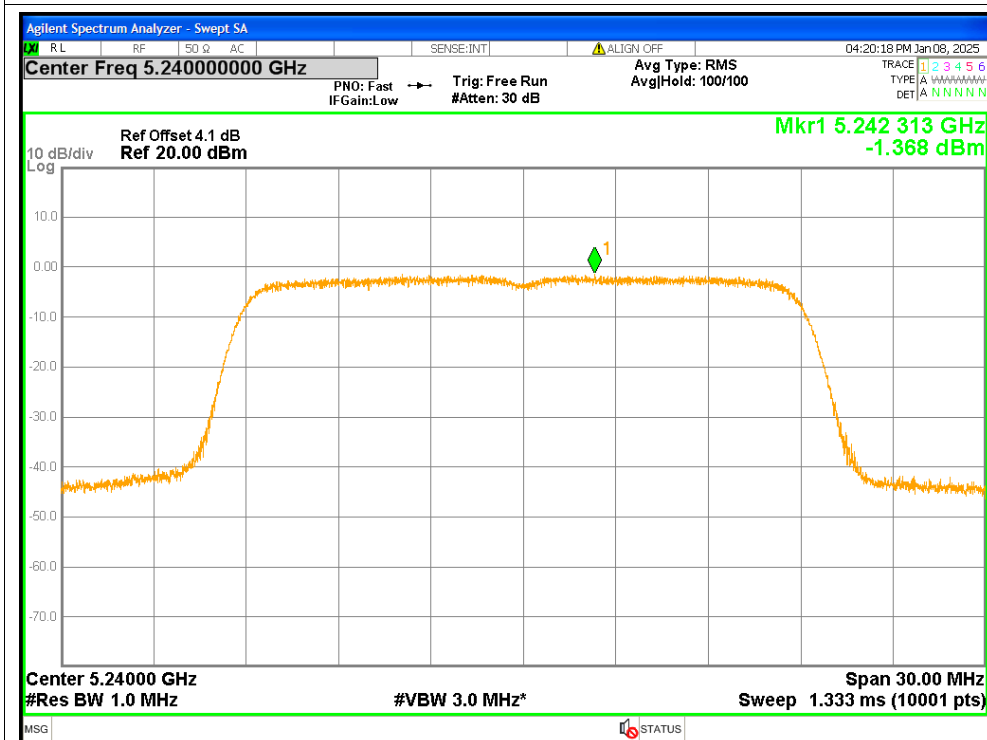
PSD NVNT ac20 5200MHz Ant1



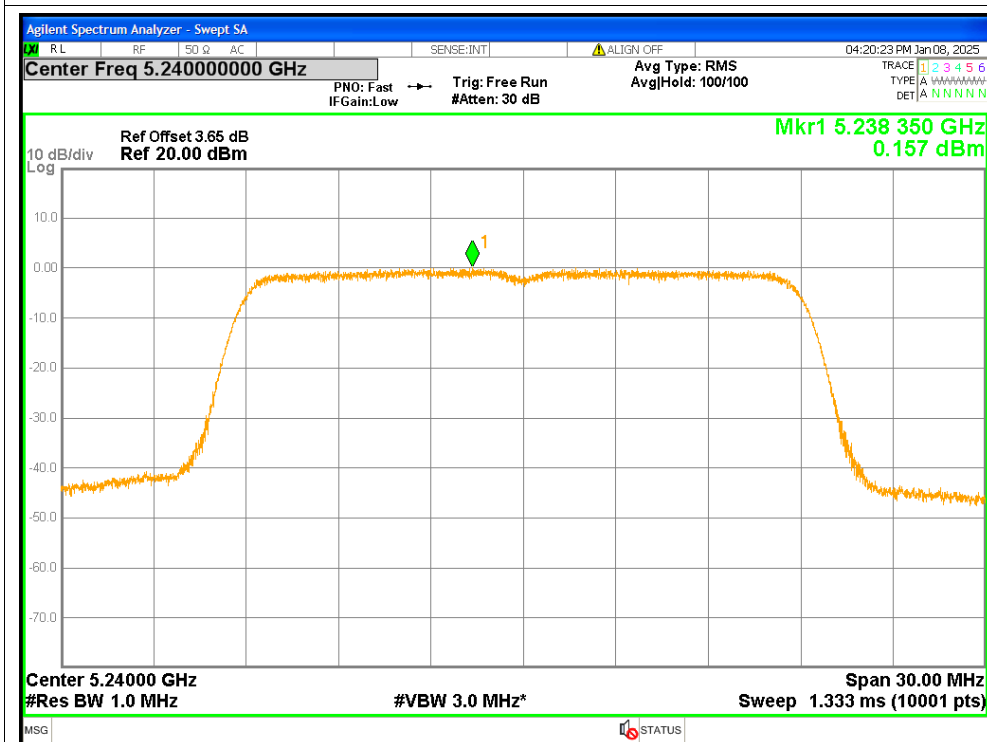
PSD NVNT ac20 5200MHz Ant2



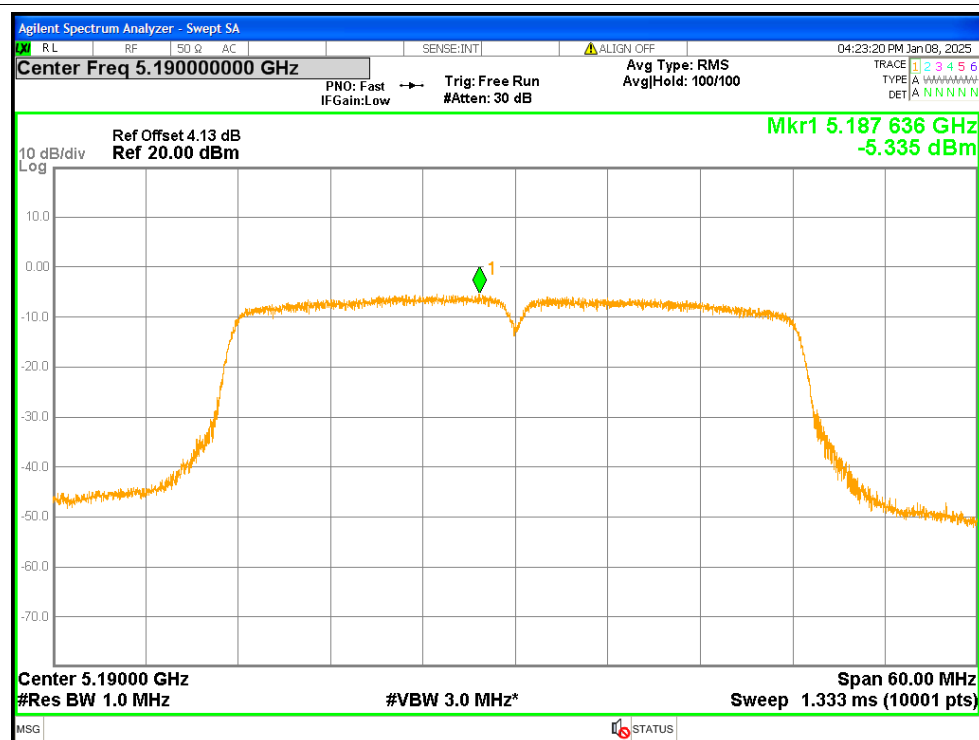
PSD NVNT ac20 5240MHz Ant1



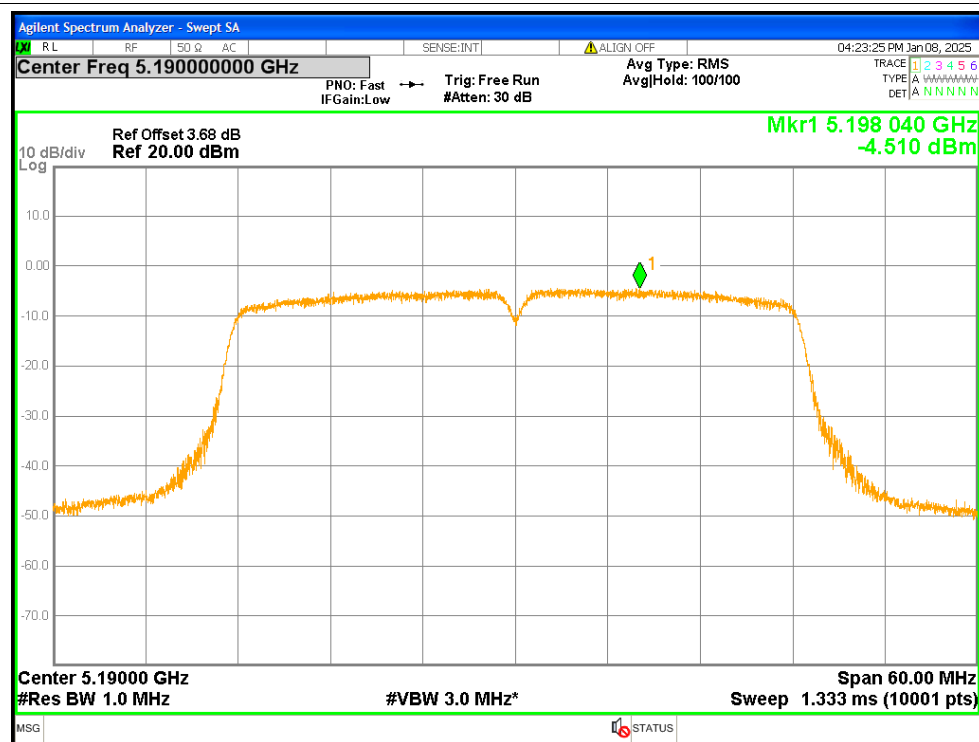
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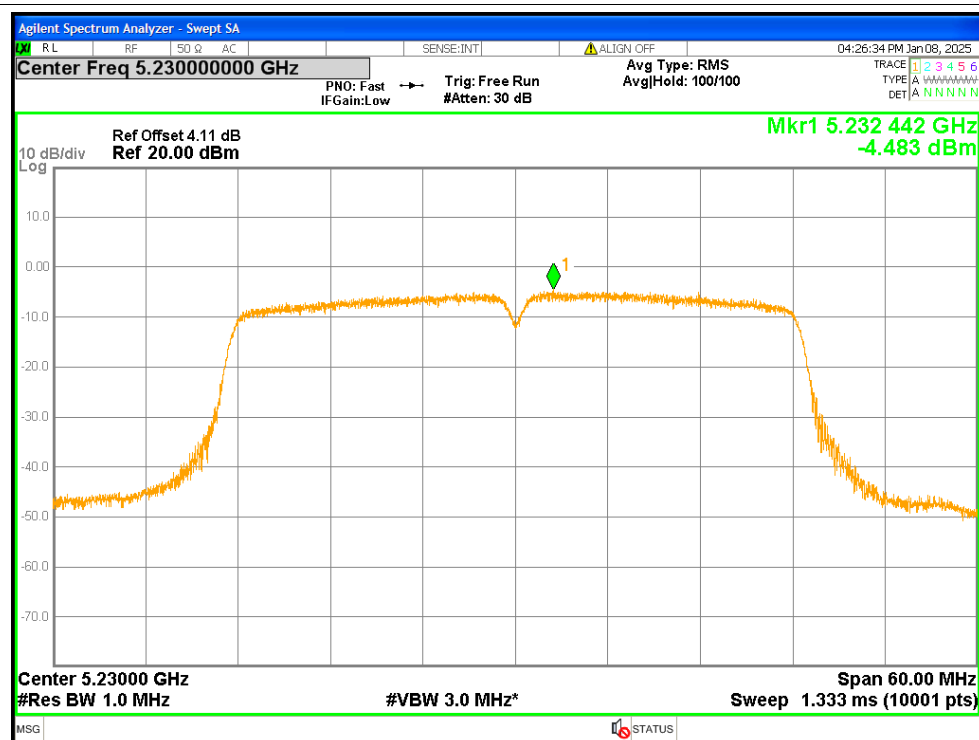
PSD NVNT ac40 5190MHz Ant1



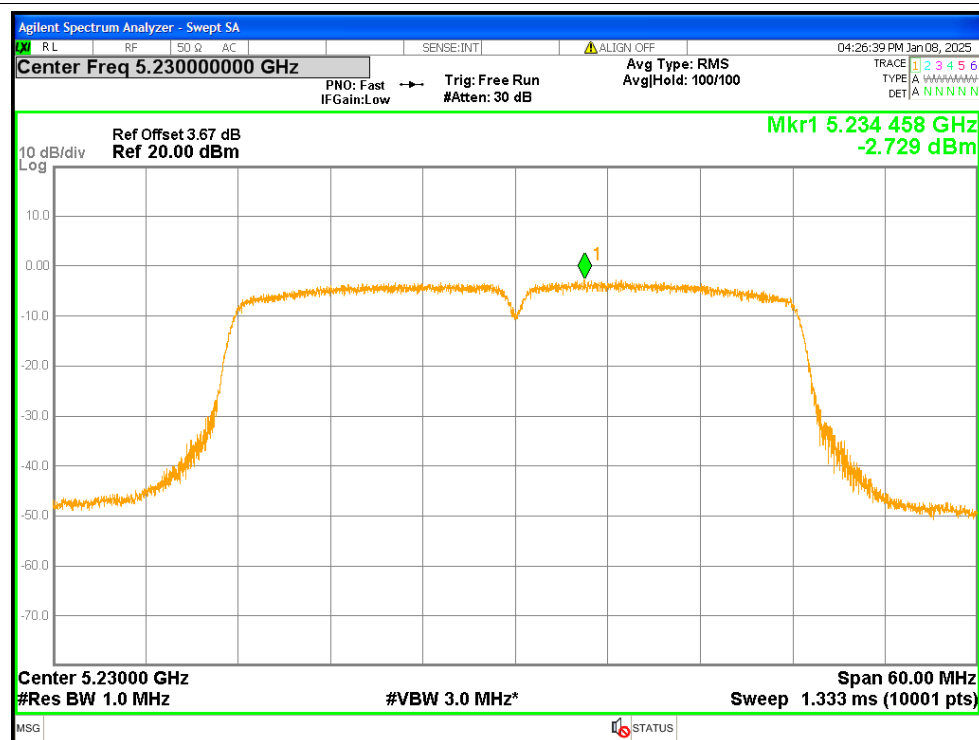
PSD NVNT ac40 5190MHz Ant2



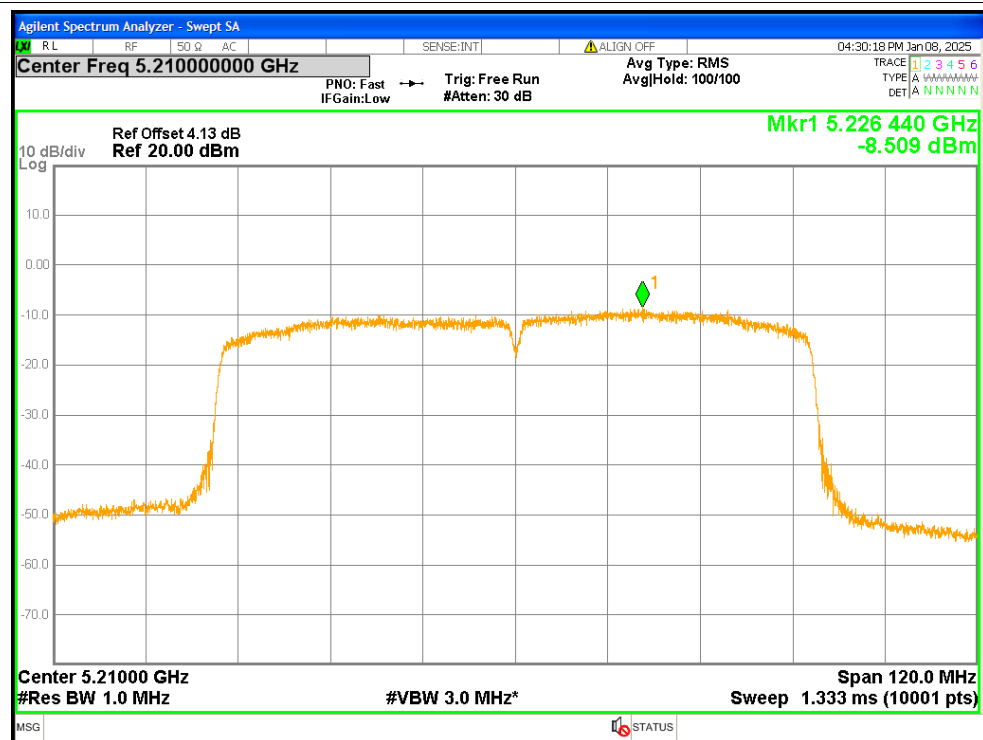
PSD NVNT ac40 5230MHz Ant1



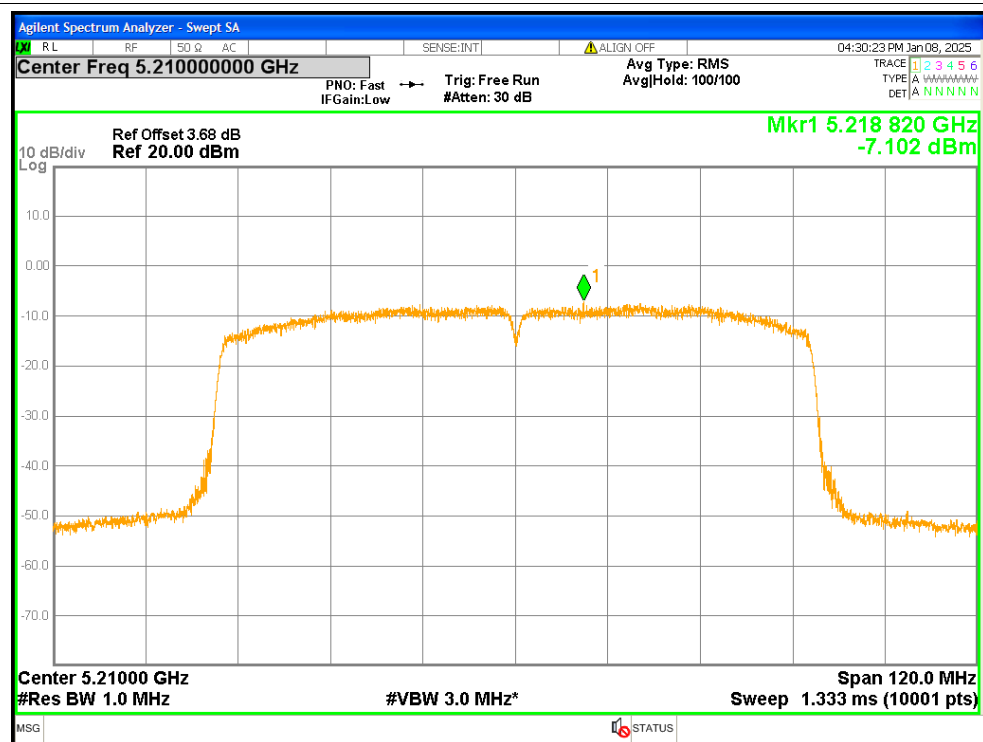
PSD NVNT ac40 5230MHz Ant2



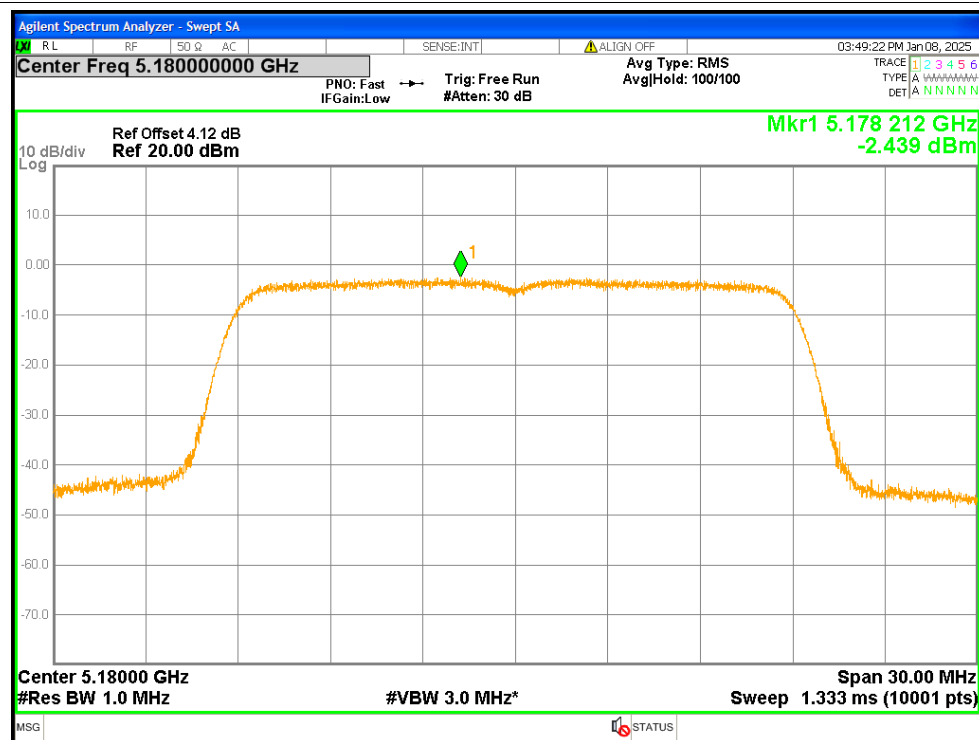
PSD NVNT ac80 5210MHz Ant1



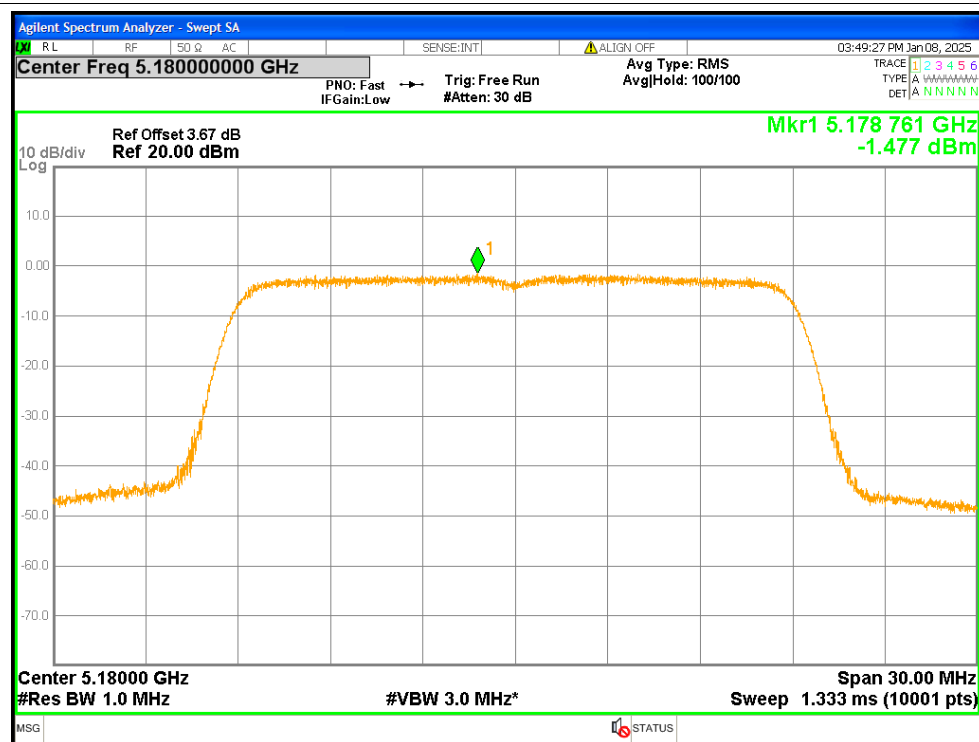
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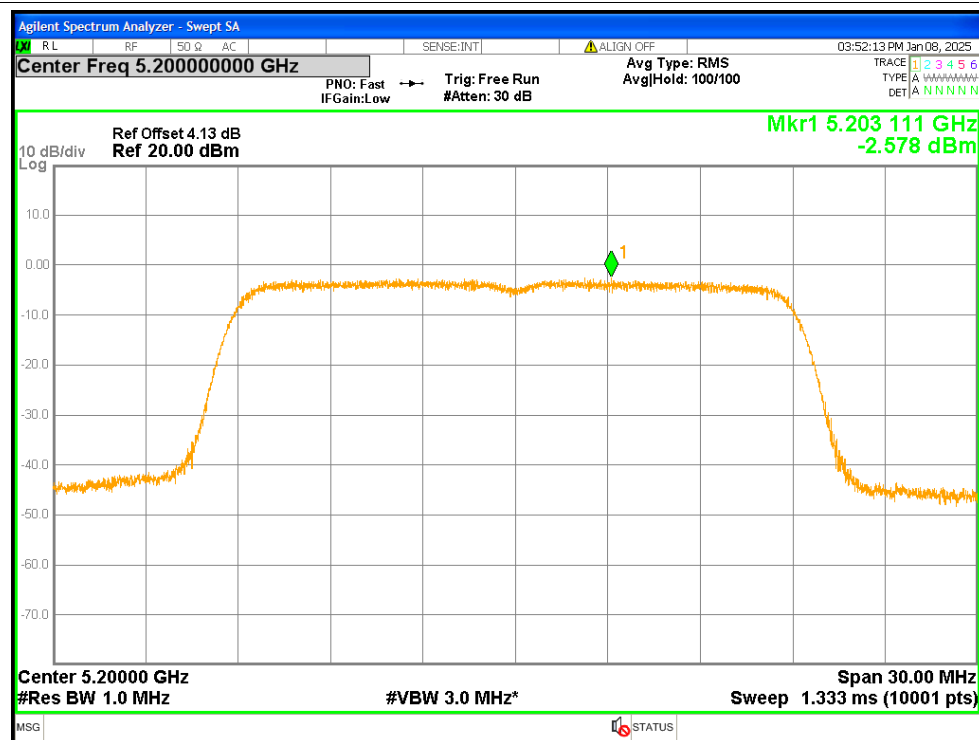
PSD NVNT n20 5180MHz Ant1



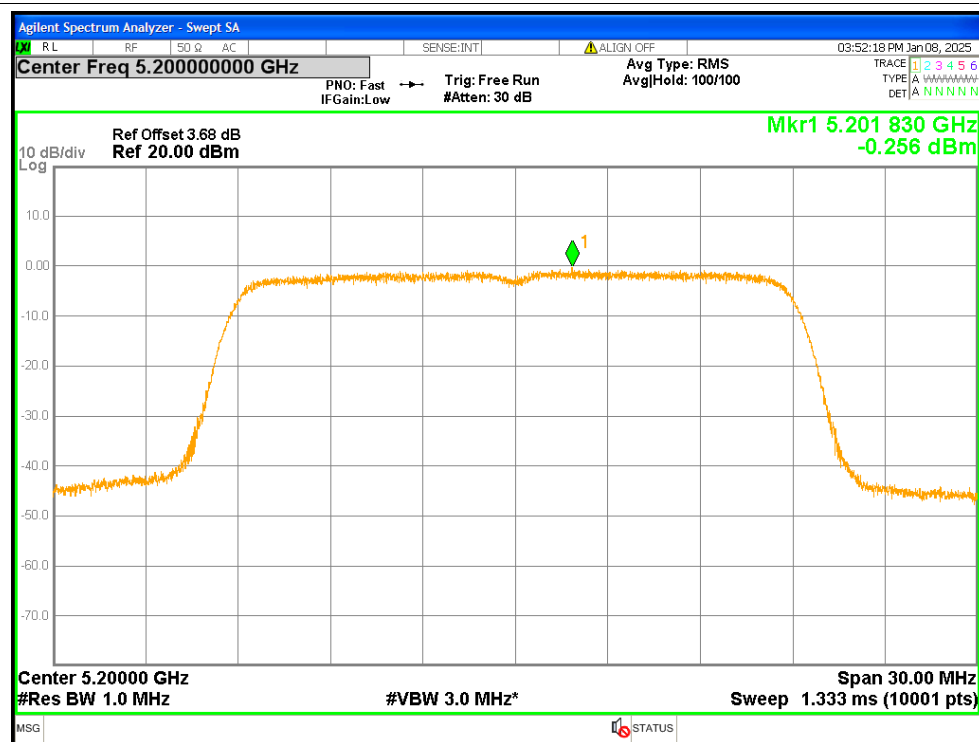
PSD NVNT n20 5180MHz Ant2



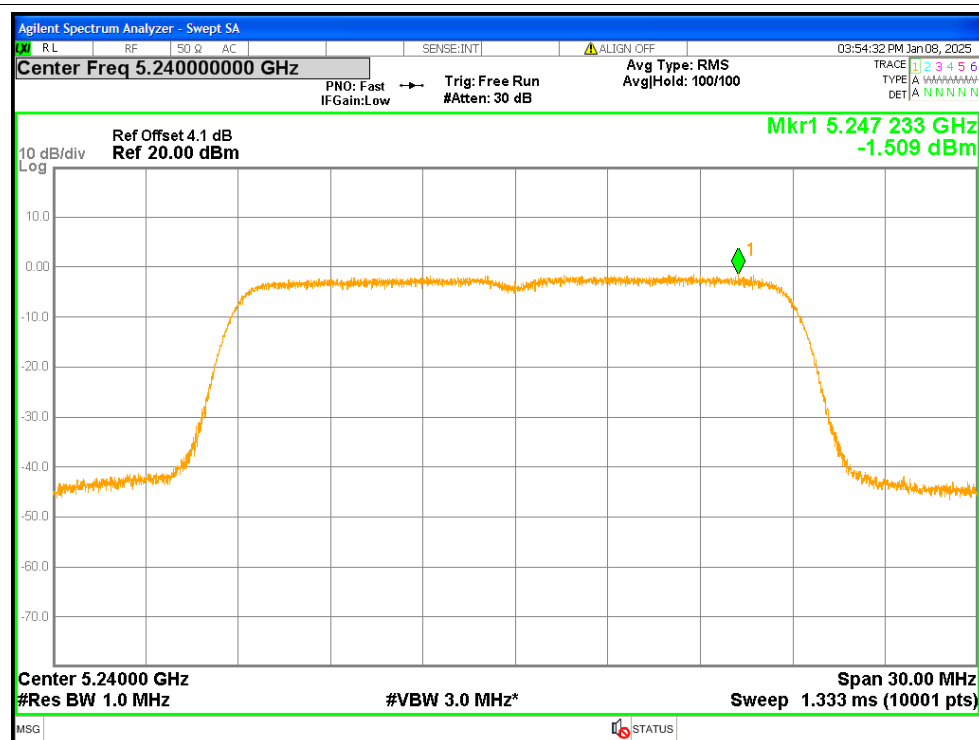
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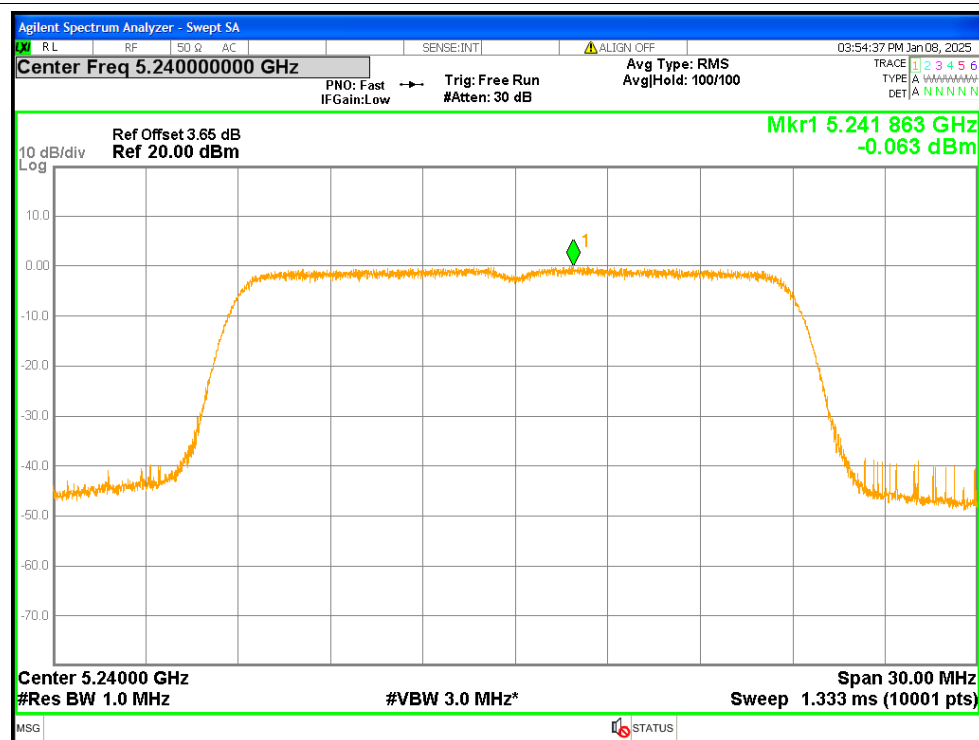
PSD NVNT n20 5200MHz Ant2



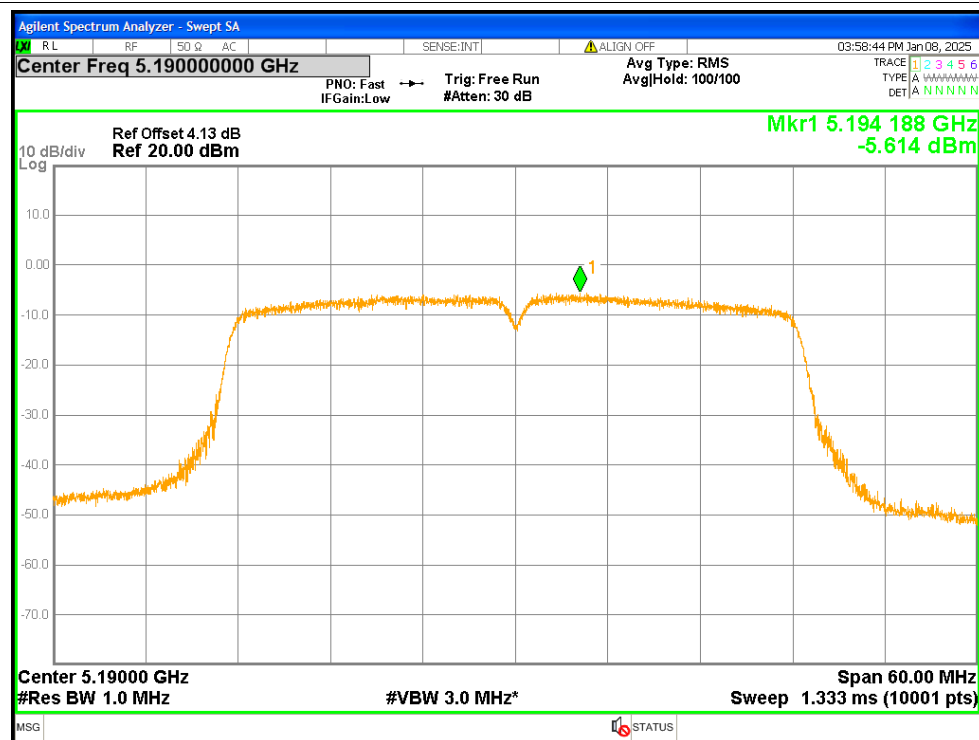
PSD NVNT n20 5240MHz Ant1



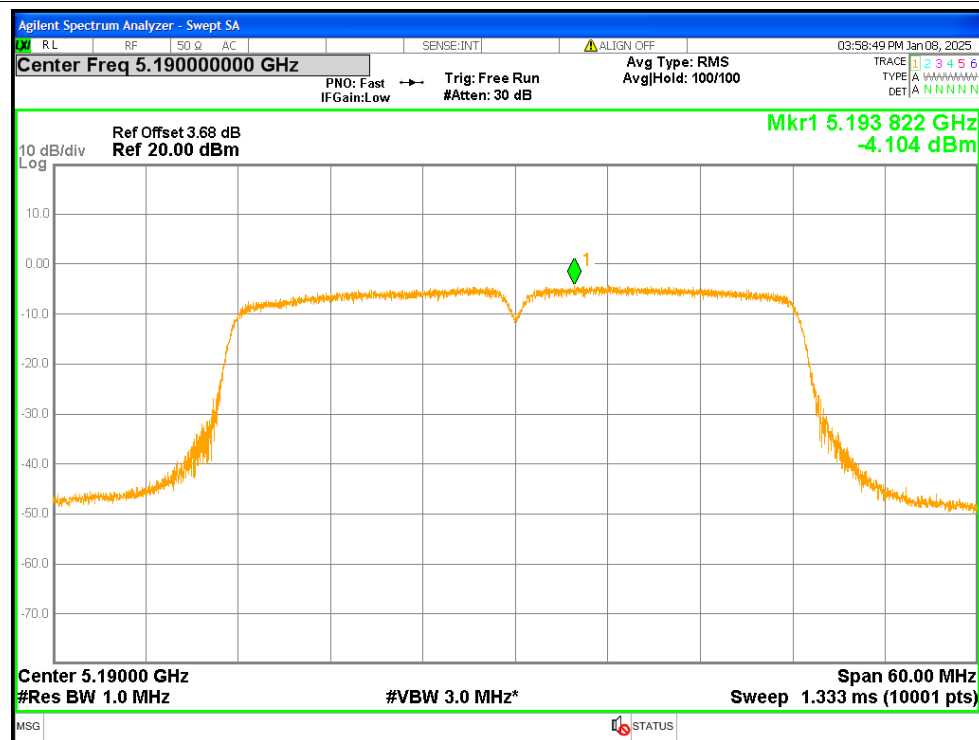
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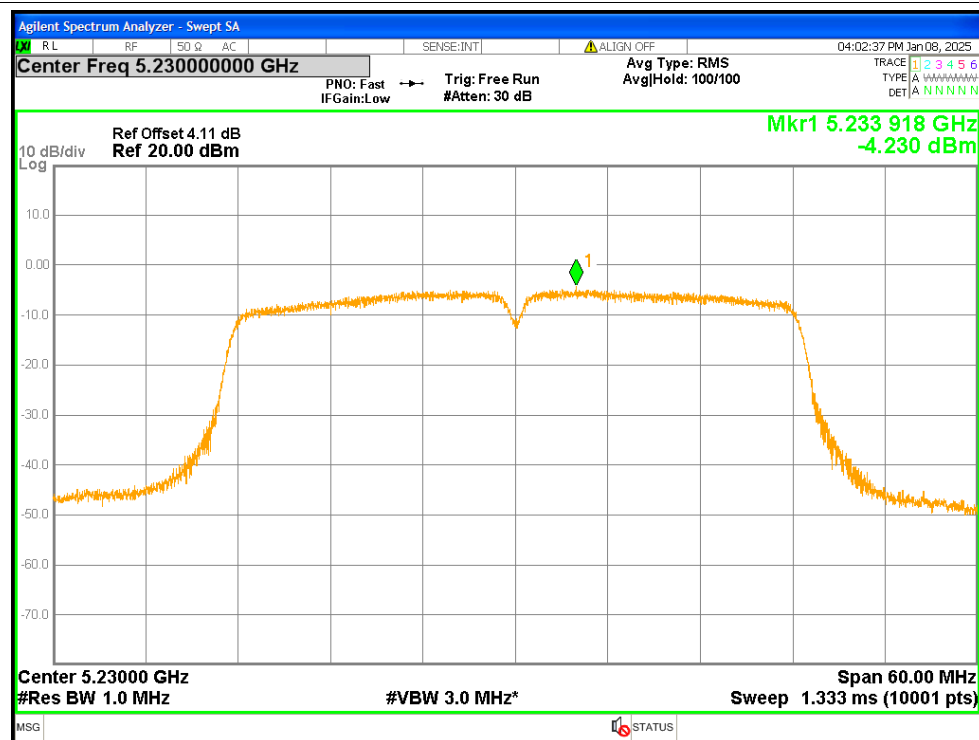
PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5190MHz Ant2



PSD NVNT n40 5230MHz Ant1



PSD NVNT n40 5230MHz Ant2

