

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Max Variation (%)
NVNT	a	5500	Ant1	1.36	1.862	73.04	1.36	0.74	0.18
NVNT	a	5580	Ant1	1.362	1.862	73.15	1.36	0.73	0.22
NVNT	a	5700	Ant1	1.36	1.862	73.04	1.36	0.74	0.19
NVNT	a	5500	Ant2	1.362	1.864	73.07	1.36	0.73	0.19
NVNT	a	5580	Ant2	1.362	1.862	73.15	1.36	0.73	0.17
NVNT	a	5700	Ant2	1.362	1.862	73.15	1.36	0.73	0.19
NVNT	n20	5500	MIMO	1.272	1.774	71.7	1.44	0.79	0.16
NVNT	n20	5580	MIMO	1.274	1.774	71.82	1.44	0.78	0.17
NVNT	n20	5700	MIMO	1.274	1.774	71.82	1.44	0.78	0.21
NVNT	n40	5510	MIMO	0.632	1.134	55.73	2.54	1.58	0.21
NVNT	n40	5550	MIMO	0.634	1.134	55.91	2.53	1.58	0.19
NVNT	n40	5670	MIMO	0.634	1.134	55.91	2.53	1.58	0.18



Duty Cycle NVNT a 5700MHz Ant1

Duty Cycle NVNT a 5580MHz Ant2

Duty Cycle NVNT n20 5500MHz MIMO

Duty Cycle NVNT n20 5700MHz MIMO

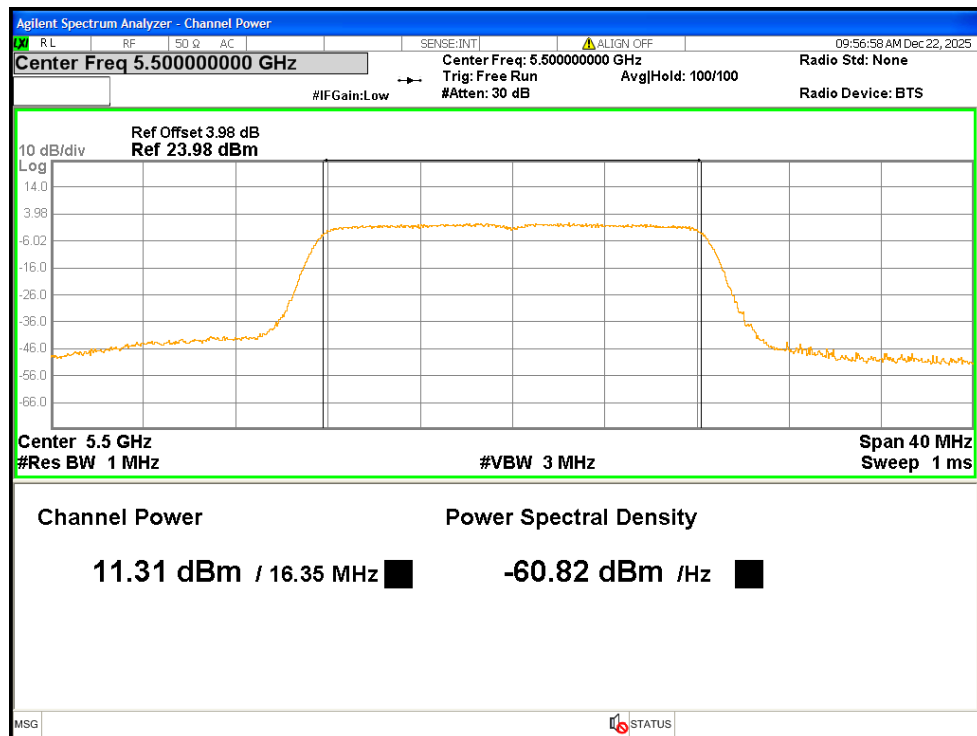
Duty Cycle NVNT n40 5550MHz MIMO

Maximum Output Power

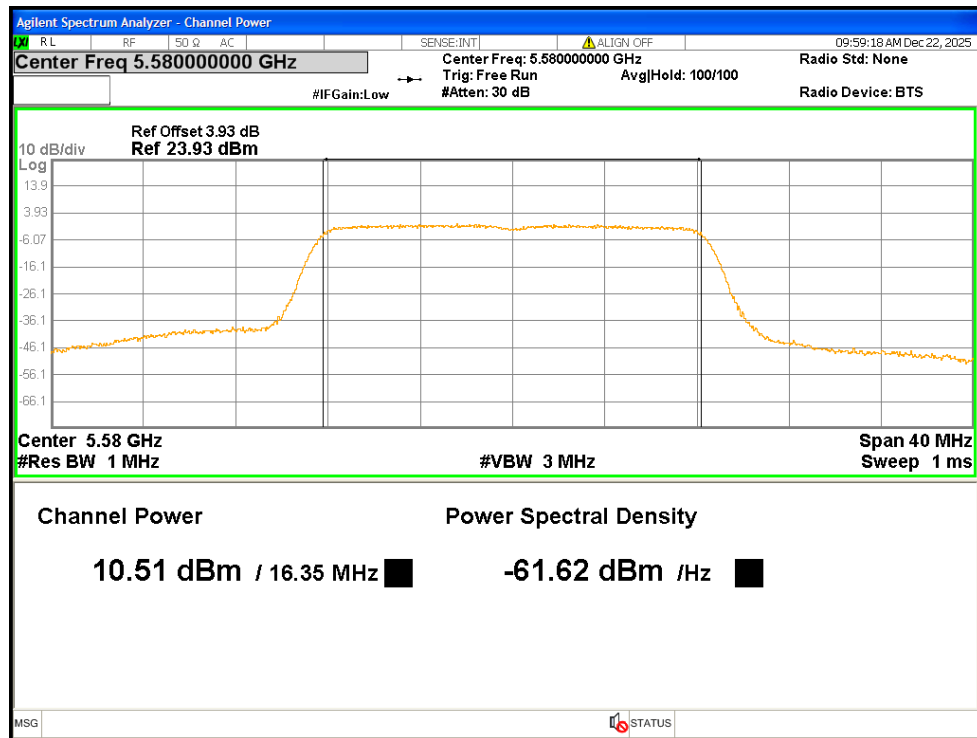
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	11.31	1.36	12.67	<=23.65	Pass
NVNT	a	5580	Ant1	10.51	1.36	11.87	<=23.69	Pass
NVNT	a	5700	Ant1	9.58	1.36	10.94	<=23.71	Pass
NVNT	a	5500	Ant2	11.38	1.36	12.74	<=24	Pass
NVNT	a	5580	Ant2	12.45	1.36	13.81	<=24	Pass
NVNT	a	5700	Ant2	10.83	1.36	12.19	<=23.67	Pass
NVNT	n20	5500	Ant1	10.1	1.44	11.54	<=23.91	Pass
NVNT	n20	5500	Ant2	7.66	1.44	9.1	<=23.91	Pass
NVNT	n20	5500	MIMO	-	-	13.5	<=23.87	Pass
NVNT	n20	5580	Ant1	9.26	1.44	10.7	<=23.9	Pass
NVNT	n20	5580	Ant2	8.76	1.44	10.2	<=23.9	Pass
NVNT	n20	5580	MIMO	-	-	13.47	<=23.86	Pass
NVNT	n20	5700	Ant1	8.43	1.44	9.87	<=23.91	Pass
NVNT	n20	5700	Ant2	7.49	1.44	8.93	<=23.91	Pass
NVNT	n20	5700	MIMO	-	-	12.44	<=23.87	Pass
NVNT	n40	5510	Ant1	9.11	2.54	11.65	<=24	Pass
NVNT	n40	5510	Ant2	6.3	2.54	8.84	<=24	Pass
NVNT	n40	5510	MIMO	-	-	13.48	<=23.96	Pass
NVNT	n40	5550	Ant1	8.83	2.53	11.36	<=24	Pass
NVNT	n40	5550	Ant2	8	2.53	10.53	<=24	Pass
NVNT	n40	5550	MIMO	-	-	13.98	<=23.96	Pass
NVNT	n40	5670	Ant1	7.14	2.53	9.67	<=24	Pass
NVNT	n40	5670	Ant2	7.53	2.53	10.06	<=24	Pass
NVNT	n40	5670	MIMO	-	-	12.88	<=23.96	Pass

Test Graphs

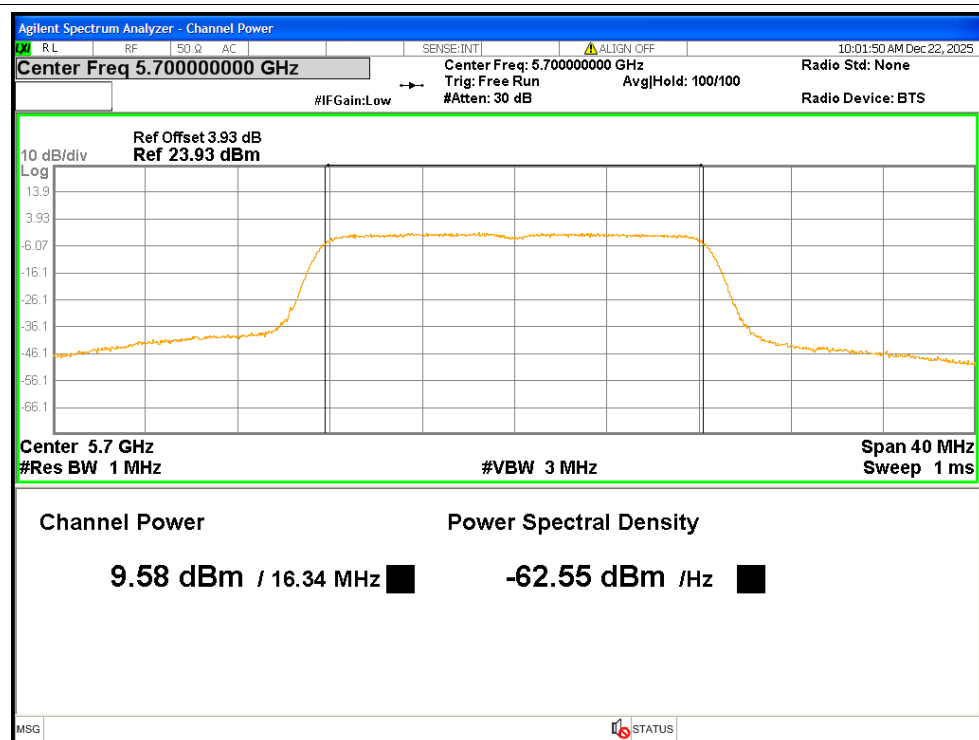
Power NVNT a 5500MHz Ant1



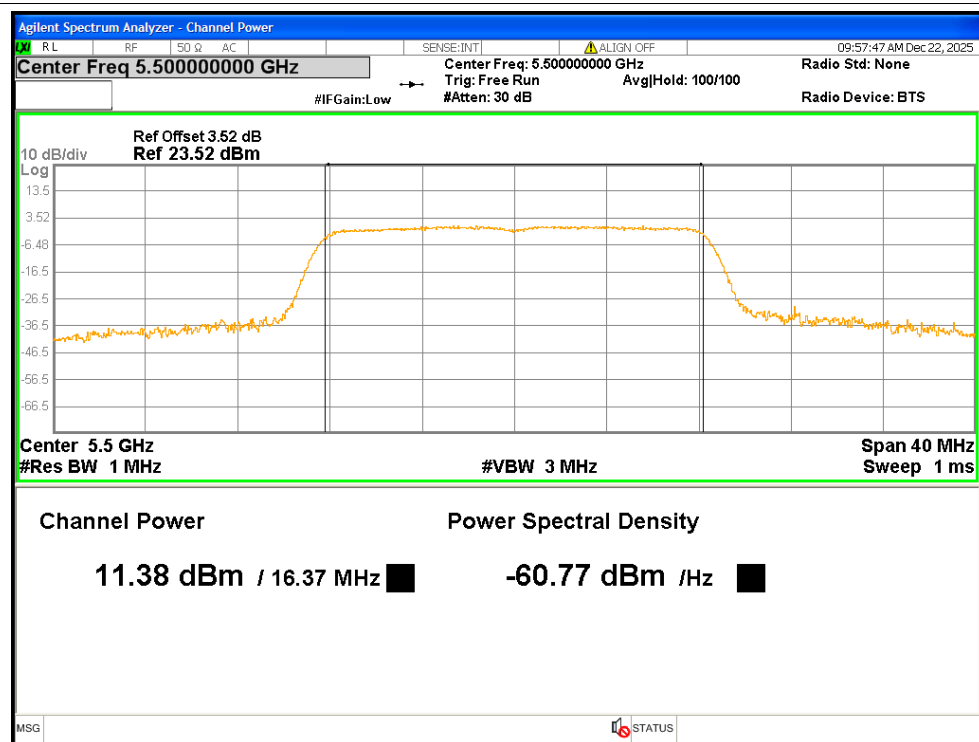
Power NVNT a 5580MHz Ant1



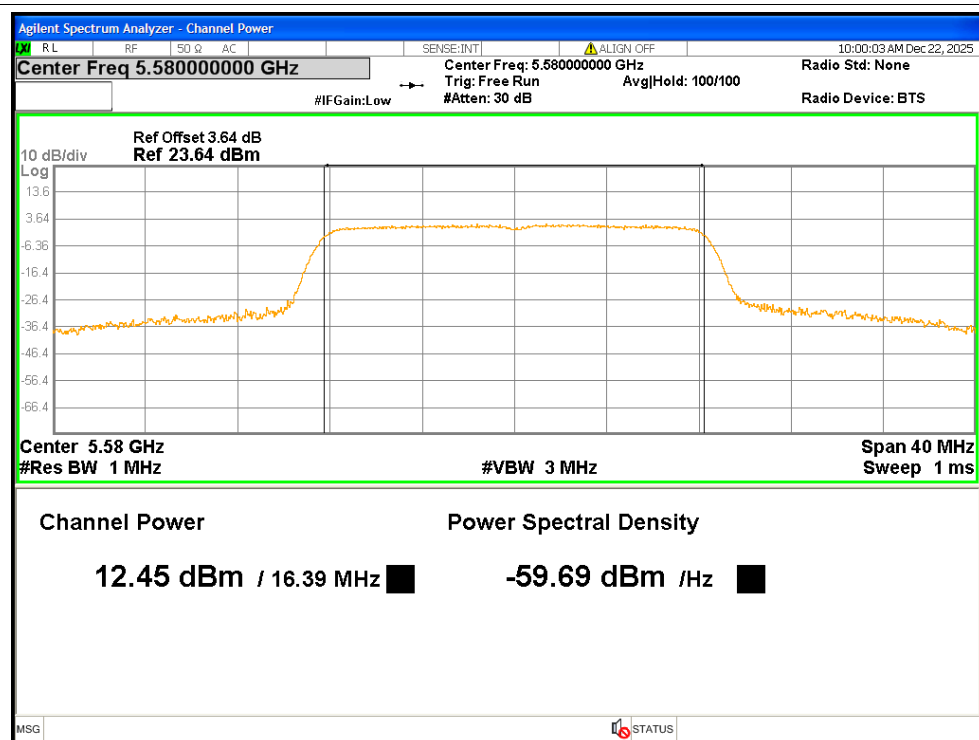
Power NVNT a 5700MHz Ant1



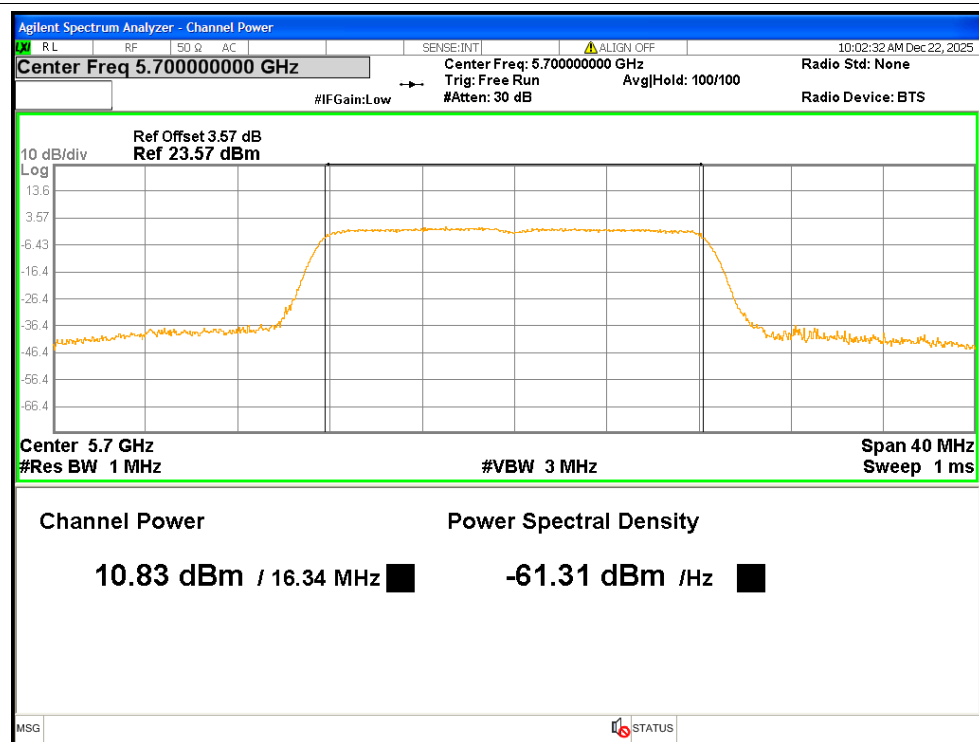
Power NVNT a 5500MHz Ant2



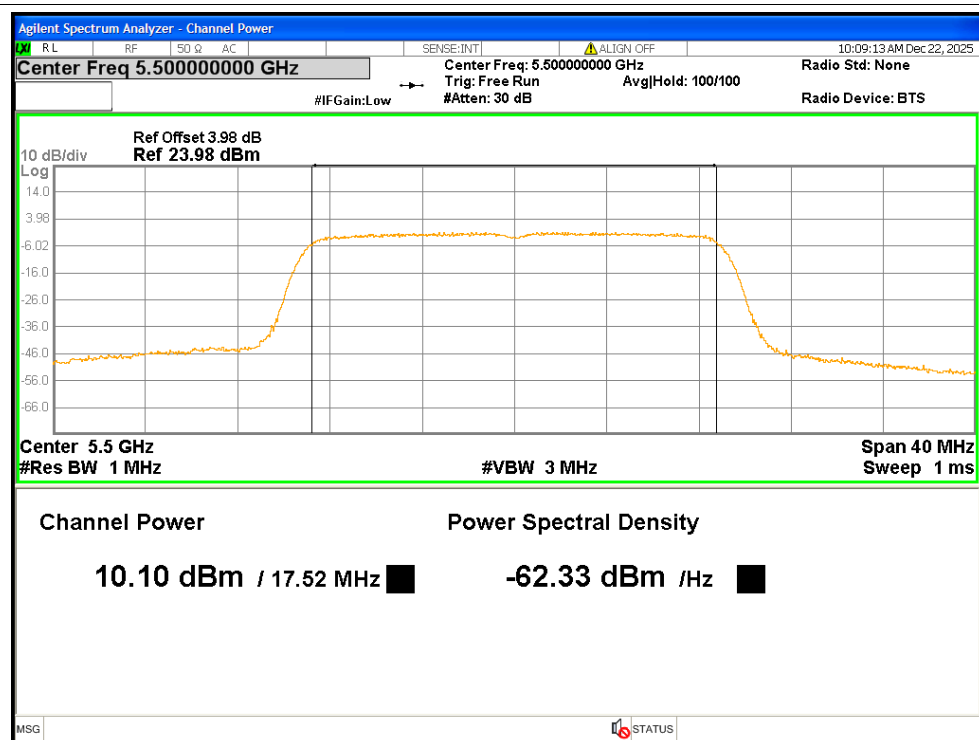
Power NVNT a 5580MHz Ant2



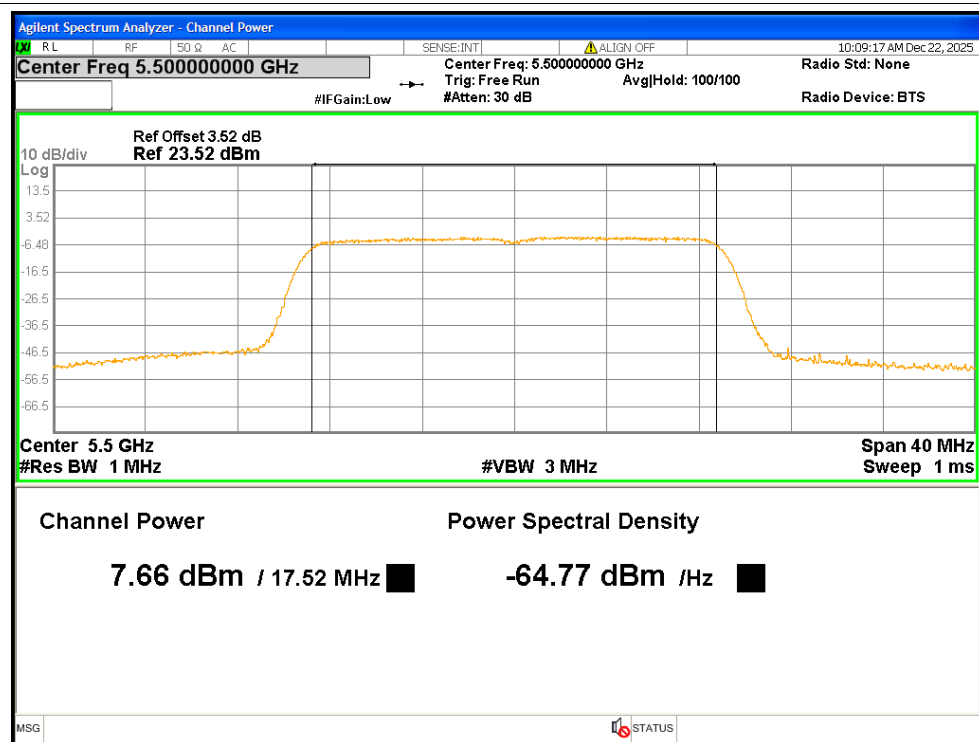
Power NVNT a 5700MHz Ant2



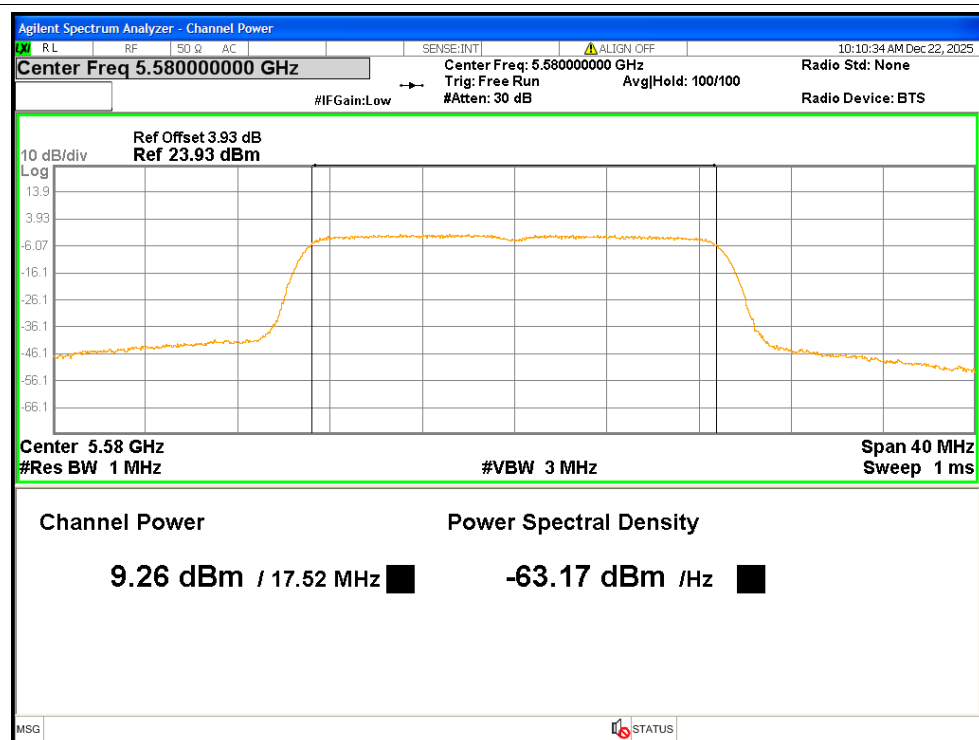
Power NVNT n20 5500MHz Ant1



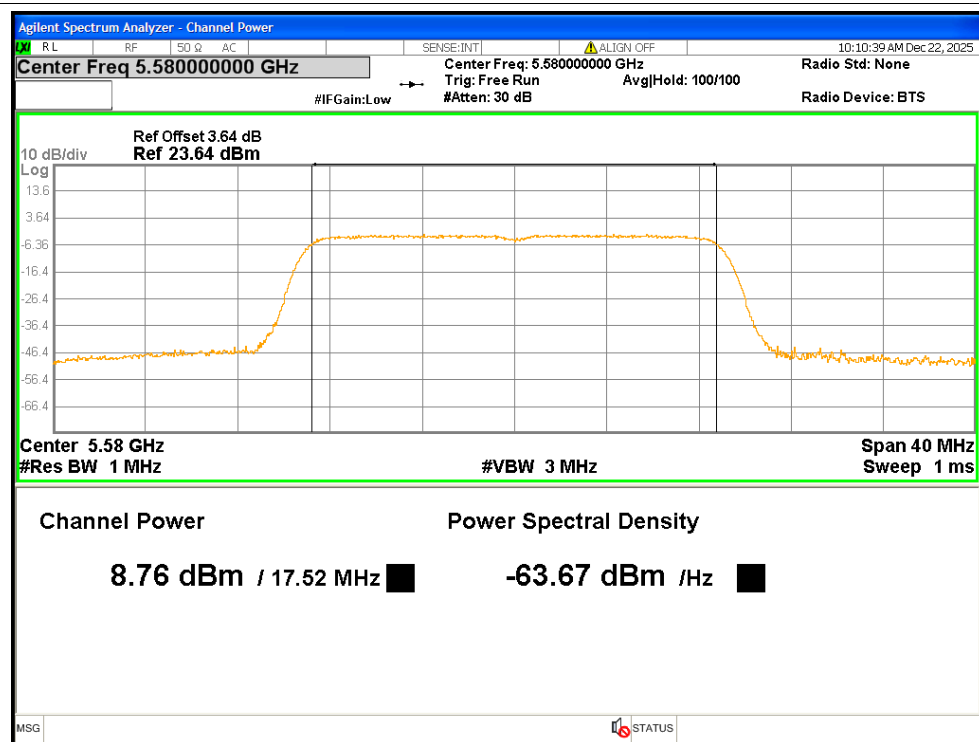
Power NVNT n20 5500MHz Ant2



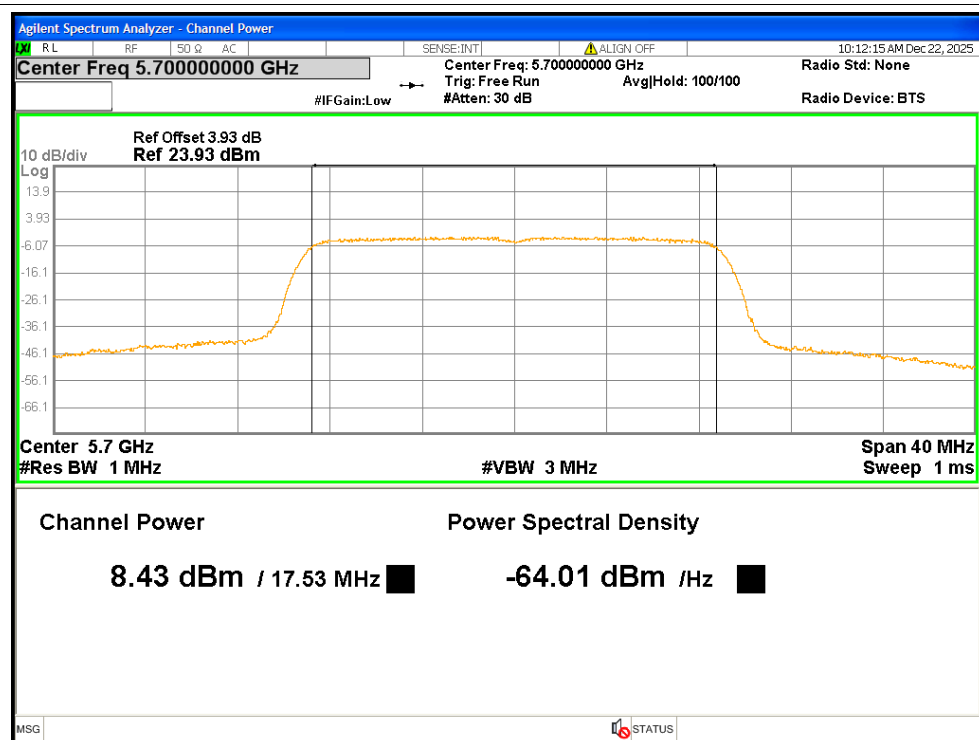
Power NVNT n20 5580MHz Ant1



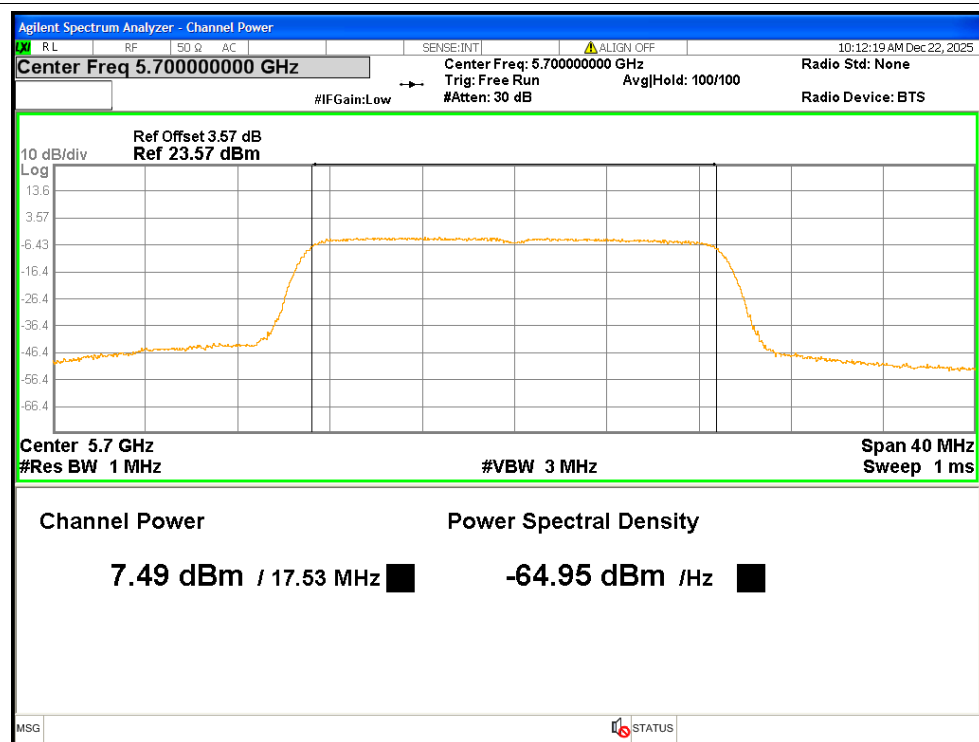
Power NVNT n20 5580MHz Ant2



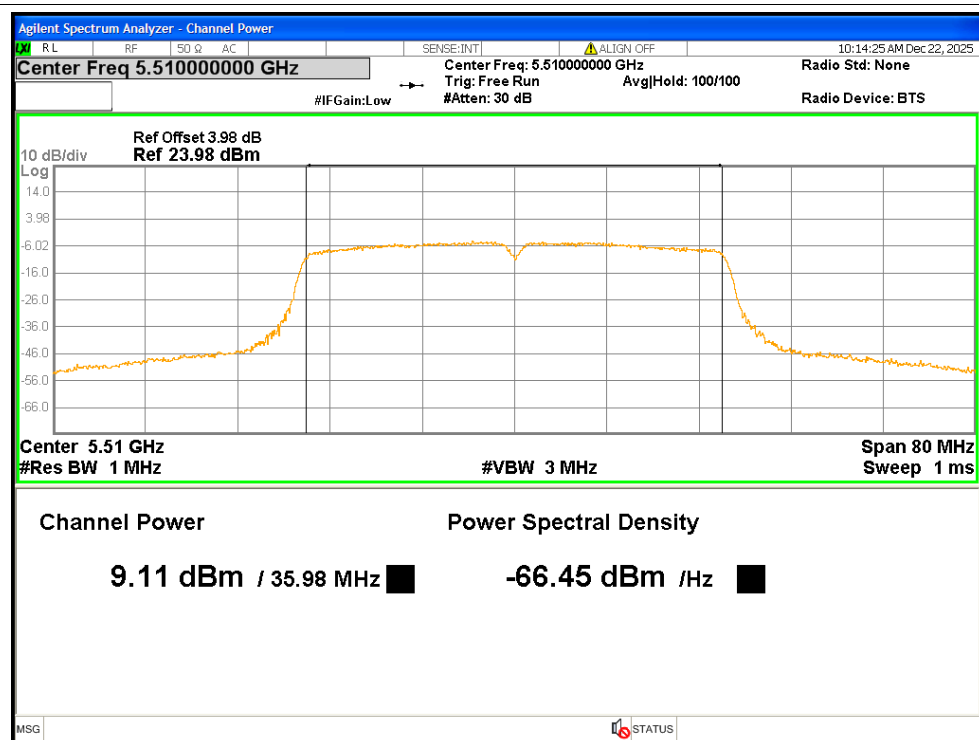
Power NVNT n20 5700MHz Ant1



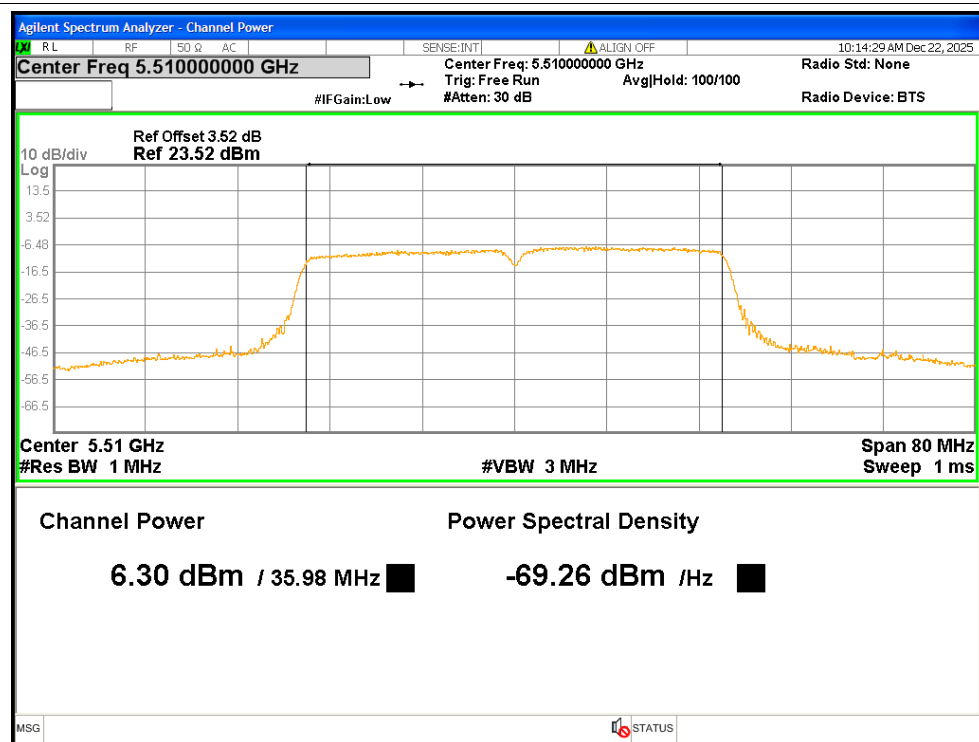
Power NVNT n20 5700MHz Ant2



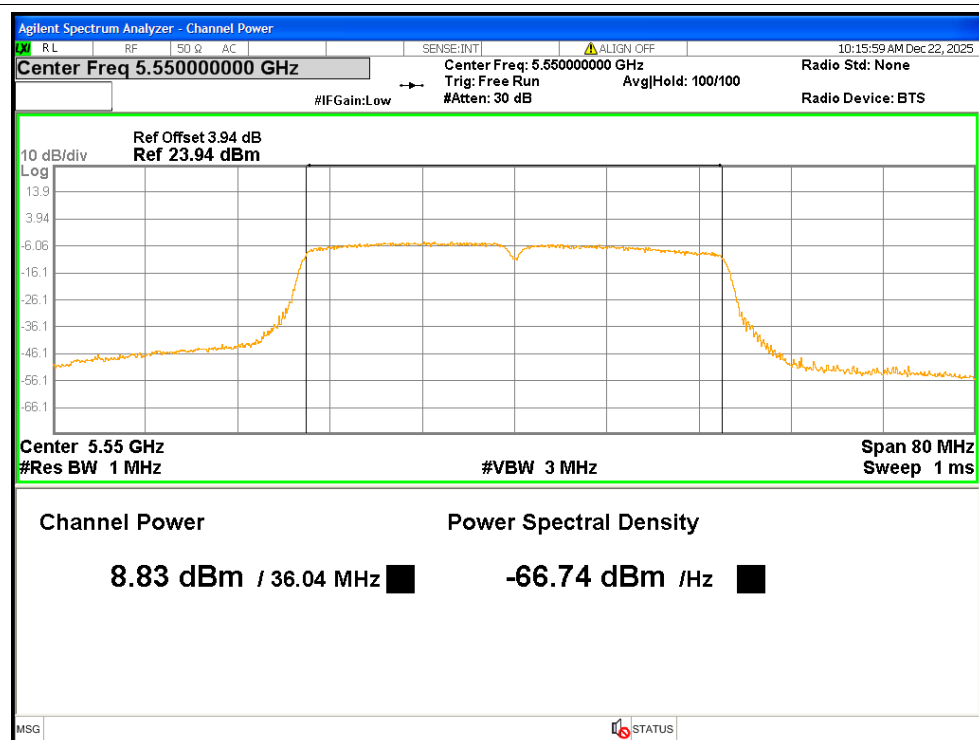
Power NVNT n40 5510MHz Ant1



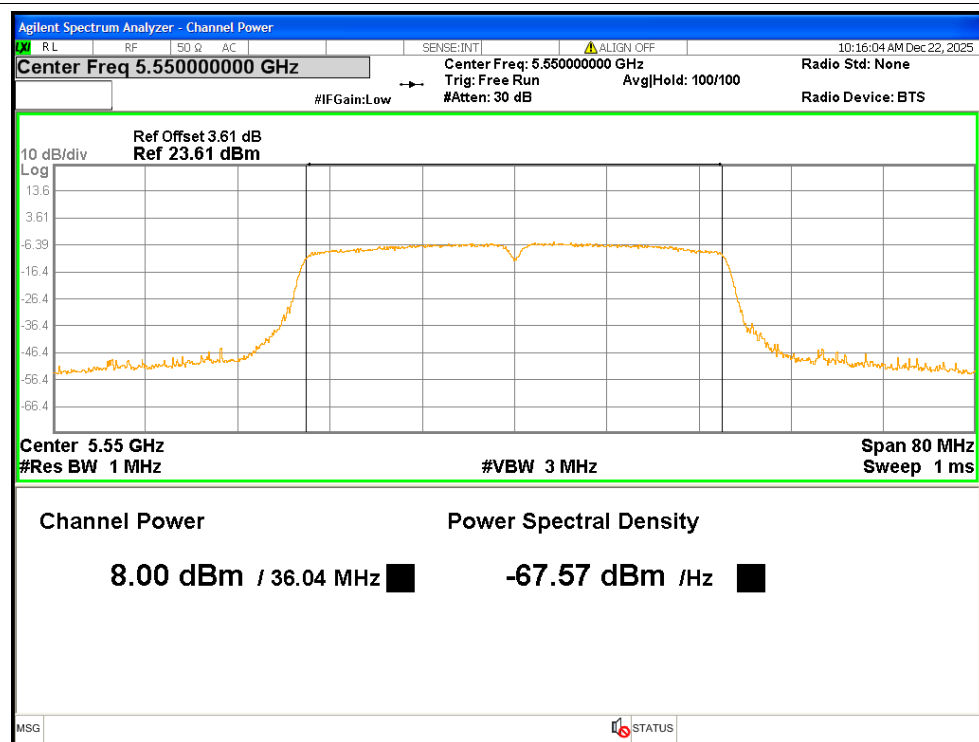
Power NVNT n40 5510MHz Ant2



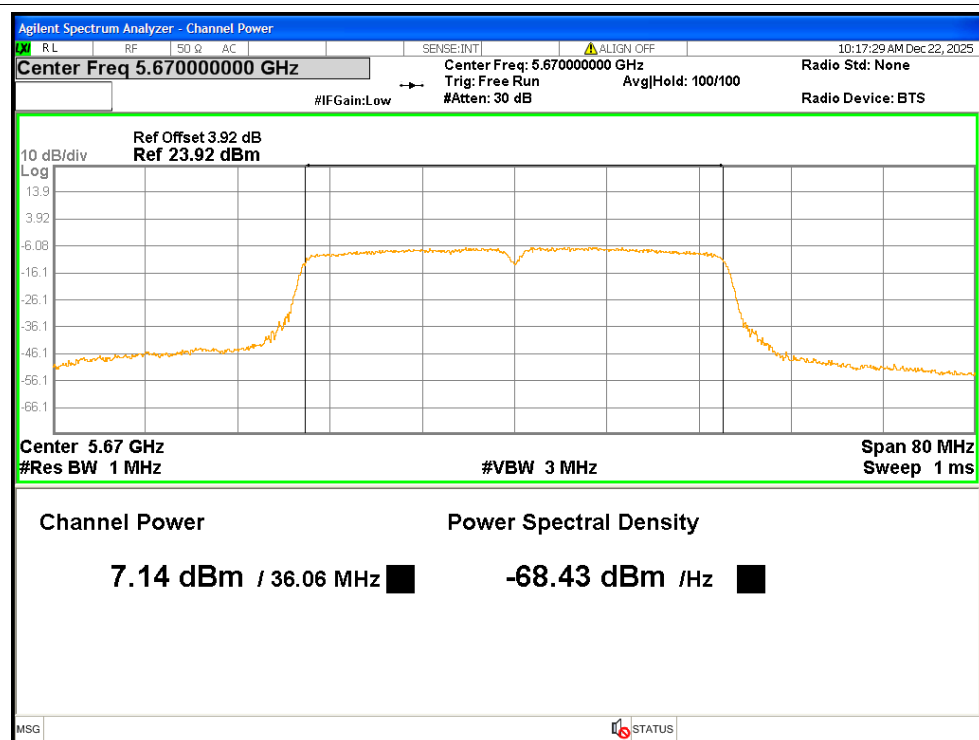
Power NVNT n40 5550MHz Ant1



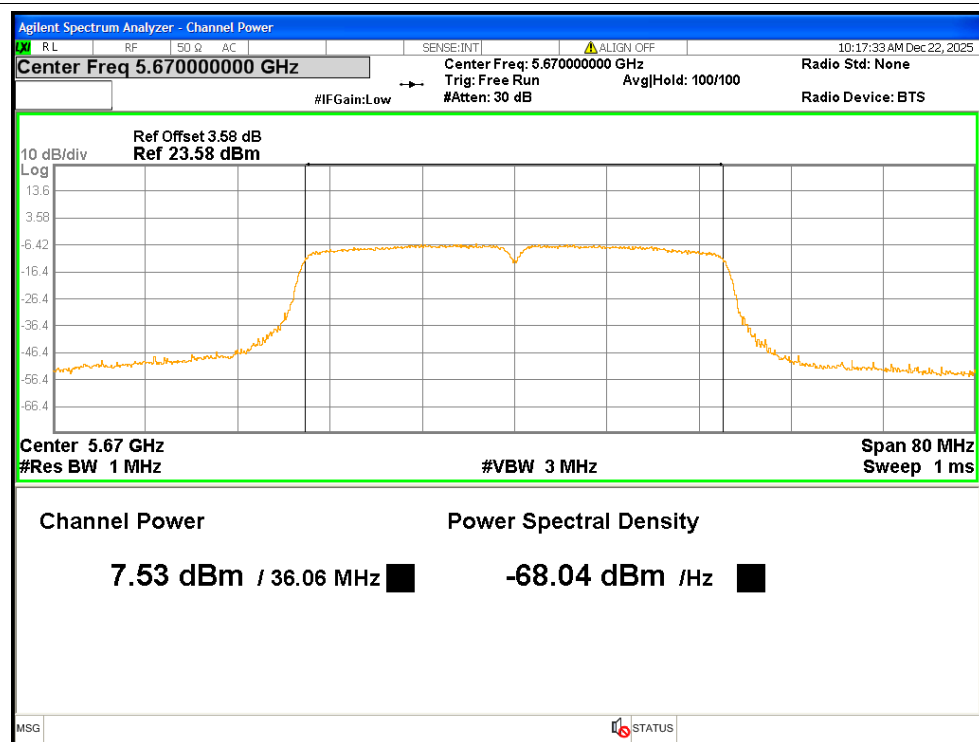
Power NVNT n40 5550MHz Ant2



Power NVNT n40 5670MHz Ant1



Power NVNT n40 5670MHz Ant2

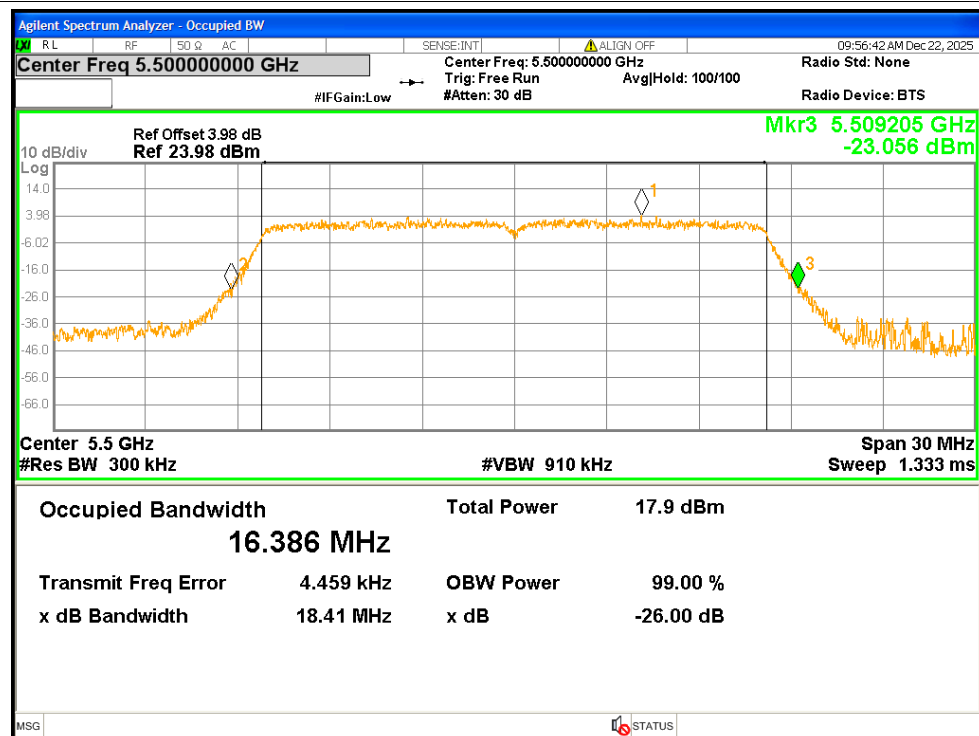


-26dB Bandwidth

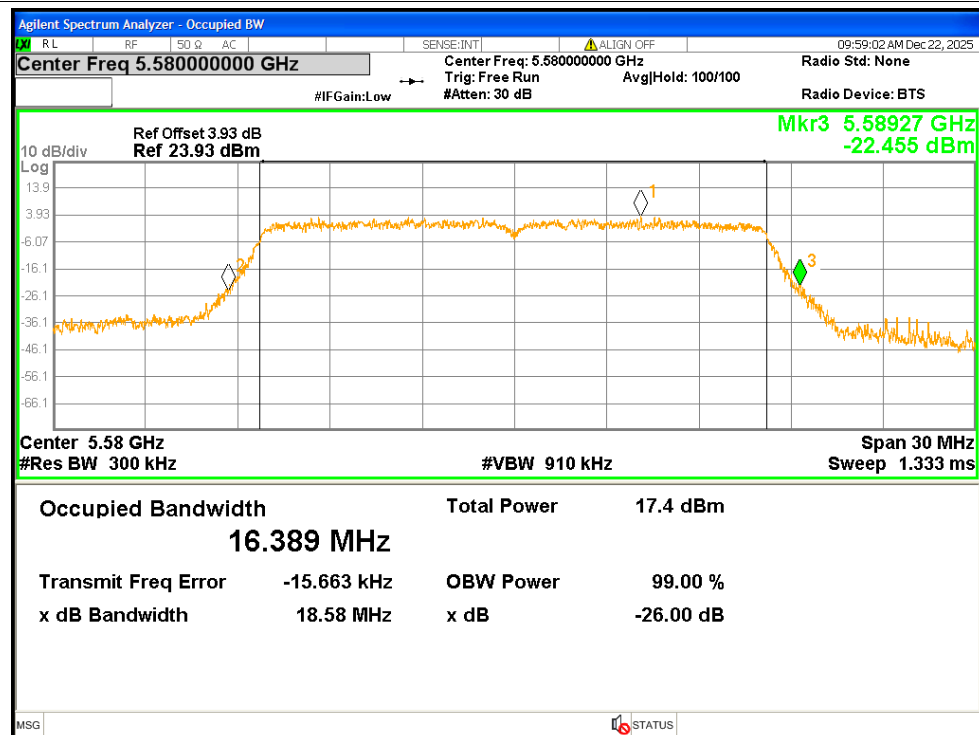
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	18.41	Pass
NVNT	a	5580	Ant1	18.58	Pass
NVNT	a	5700	Ant1	18.66	Pass
NVNT	a	5500	Ant2	21.34	Pass
NVNT	a	5580	Ant2	23.95	Pass
NVNT	a	5700	Ant2	18.5	Pass
NVNT	n20	5500	Ant1	19.5	Pass
NVNT	n20	5500	Ant2	19.53	Pass
NVNT	n20	5580	Ant1	19.52	Pass
NVNT	n20	5580	Ant2	19.48	Pass
NVNT	n20	5700	Ant1	19.56	Pass
NVNT	n20	5700	Ant2	19.38	Pass
NVNT	n40	5510	Ant1	41.22	Pass
NVNT	n40	5510	Ant2	41.48	Pass
NVNT	n40	5550	Ant1	41.35	Pass
NVNT	n40	5550	Ant2	41.23	Pass
NVNT	n40	5670	Ant1	41.48	Pass
NVNT	n40	5670	Ant2	40.73	Pass

Test Graphs

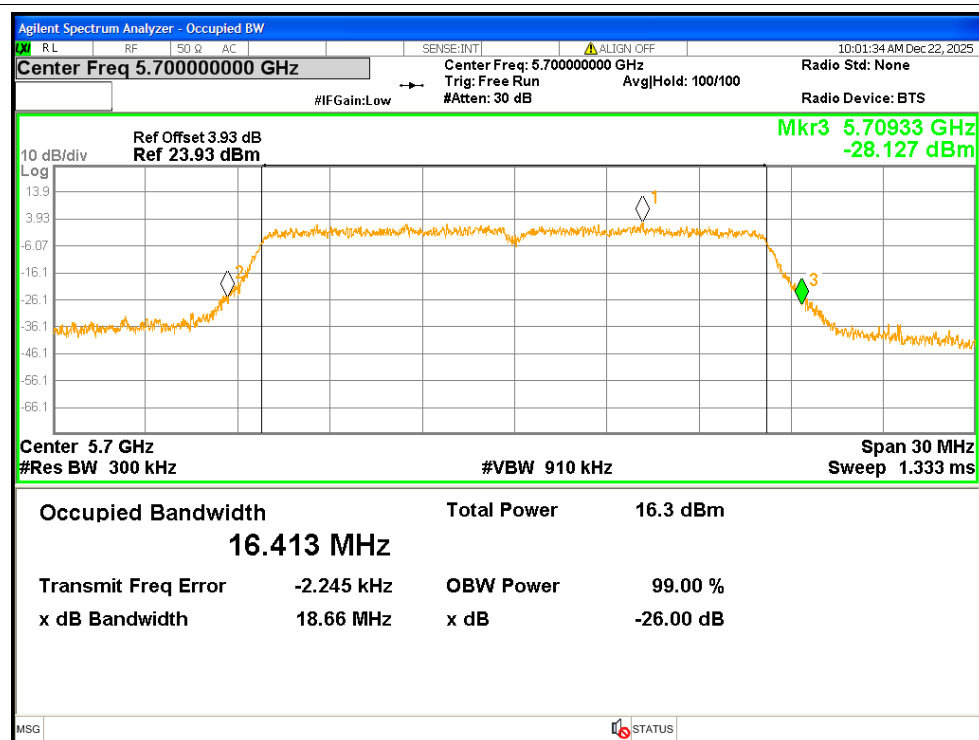
-26dB Bandwidth NVNT a 5500MHz Ant1



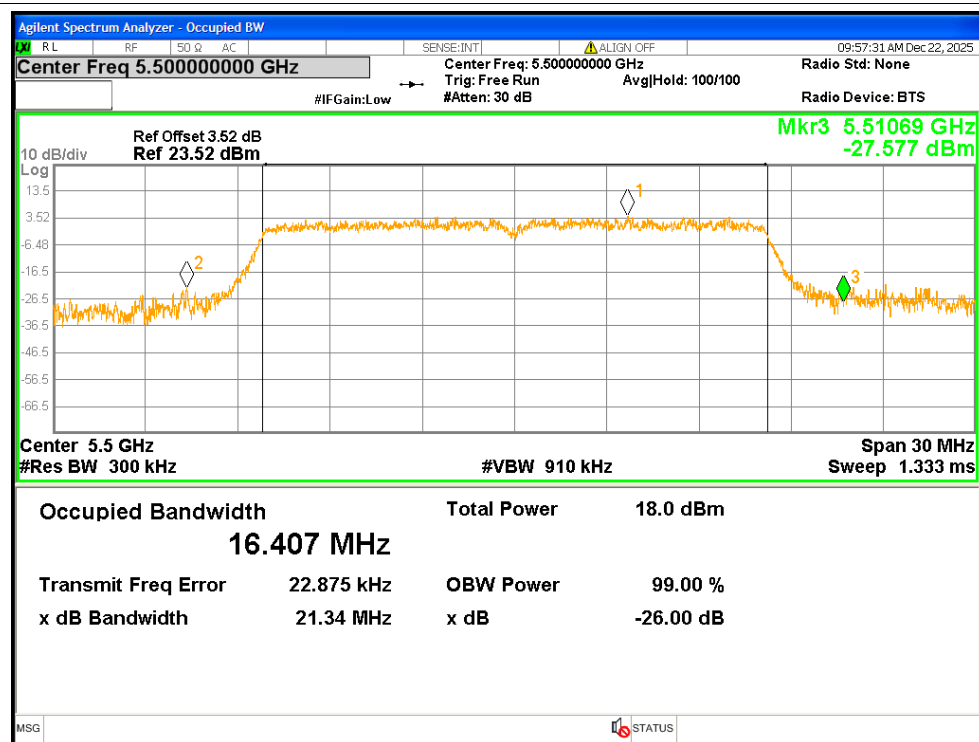
-26dB Bandwidth NVNT a 5580MHz Ant1



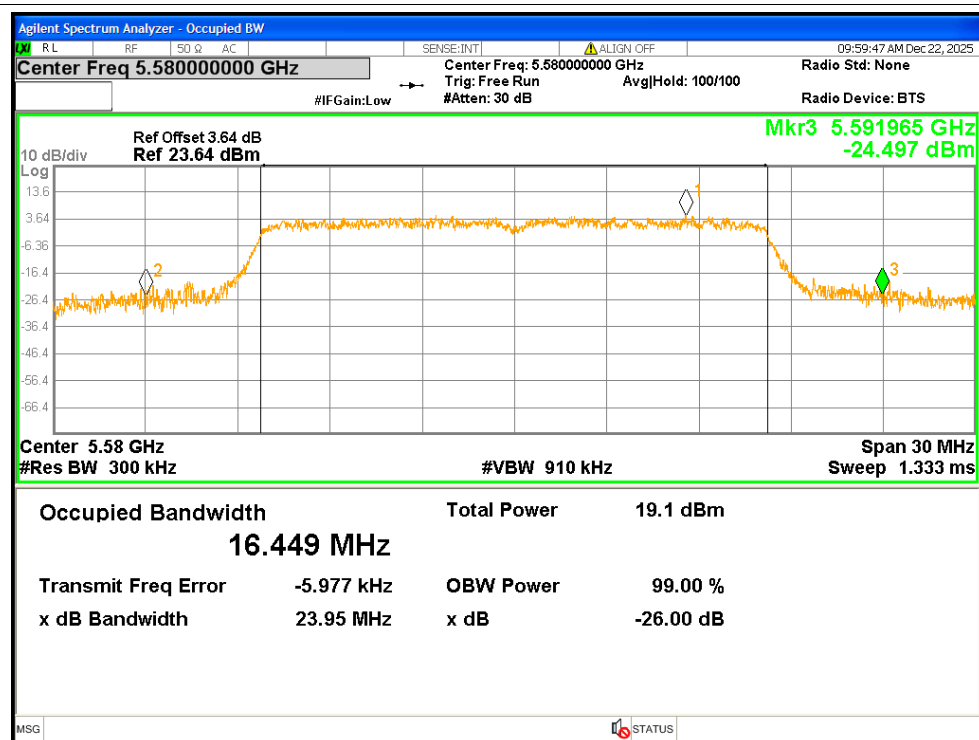
-26dB Bandwidth NVNT a 5700MHz Ant1



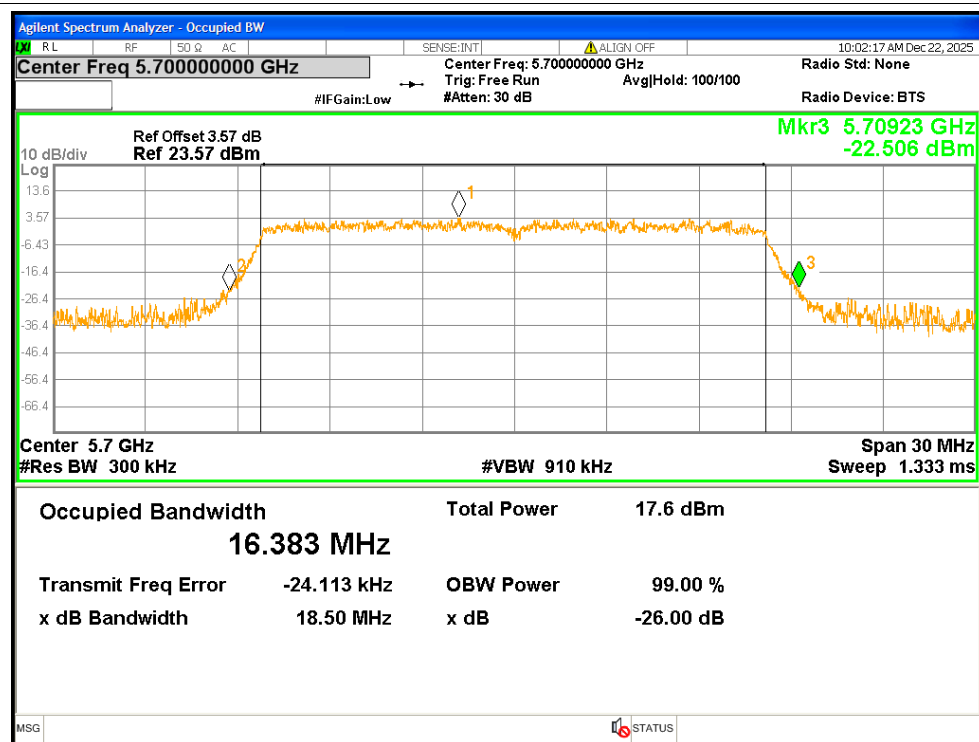
-26dB Bandwidth NVNT a 5500MHz Ant2



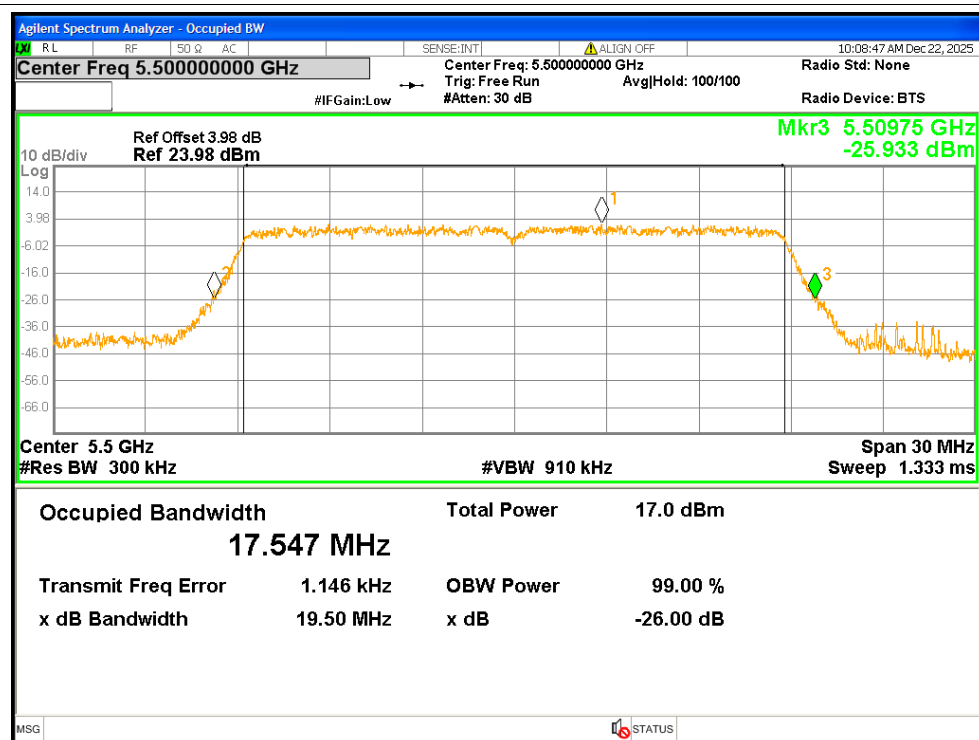
-26dB Bandwidth NVNT a 5580MHz Ant2



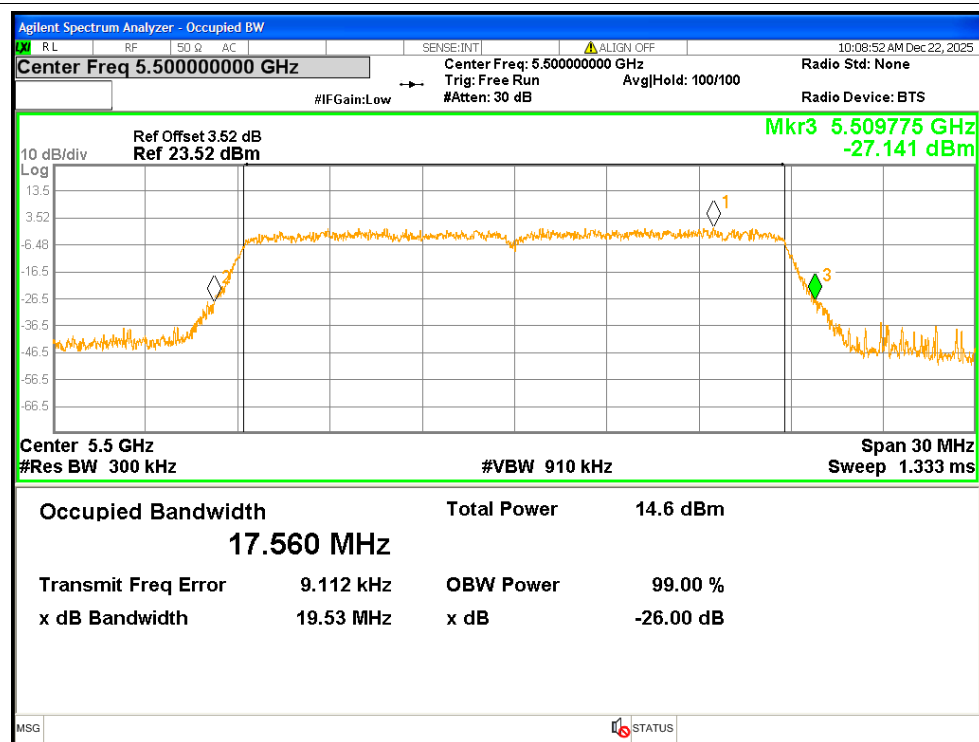
-26dB Bandwidth NVNT a 5700MHz Ant2



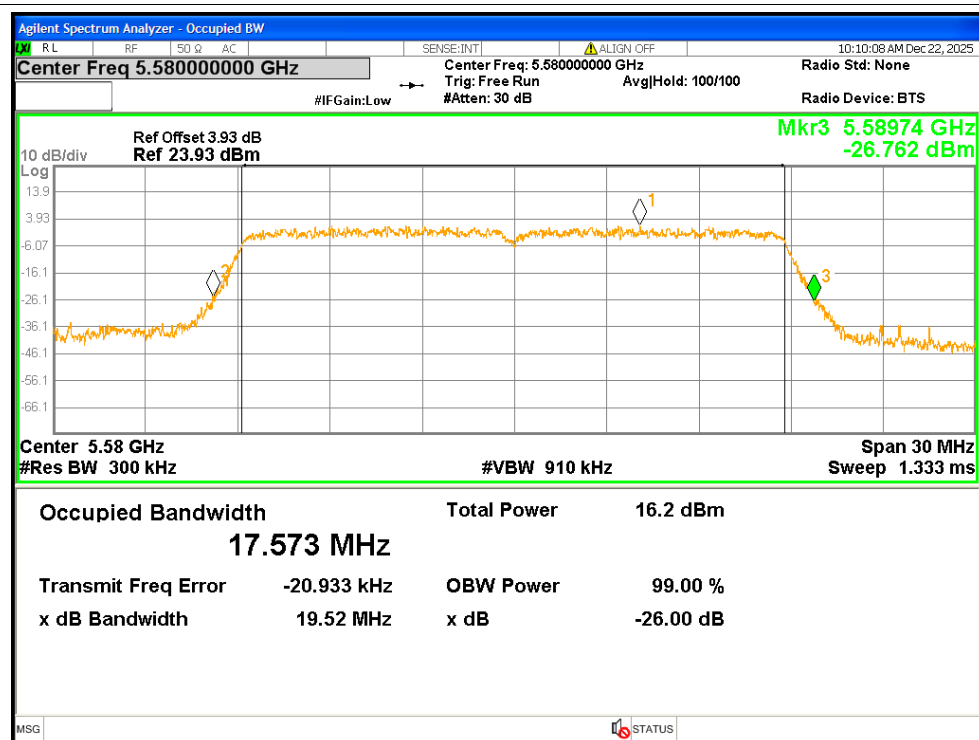
-26dB Bandwidth NVNT n20 5500MHz Ant1



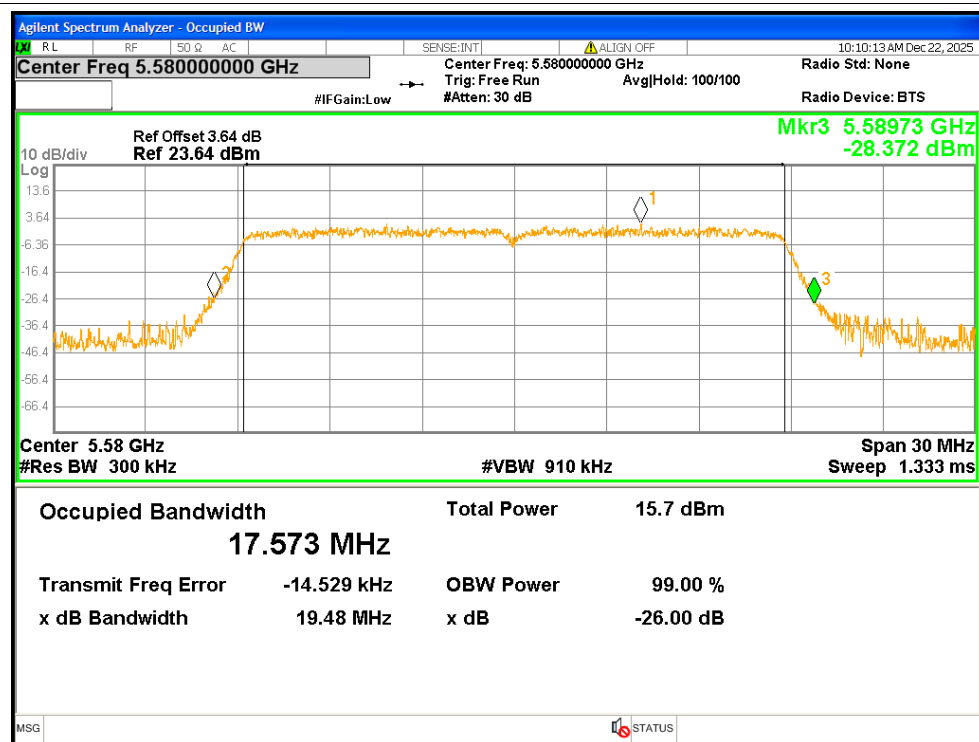
-26dB Bandwidth NVNT n20 5500MHz Ant2



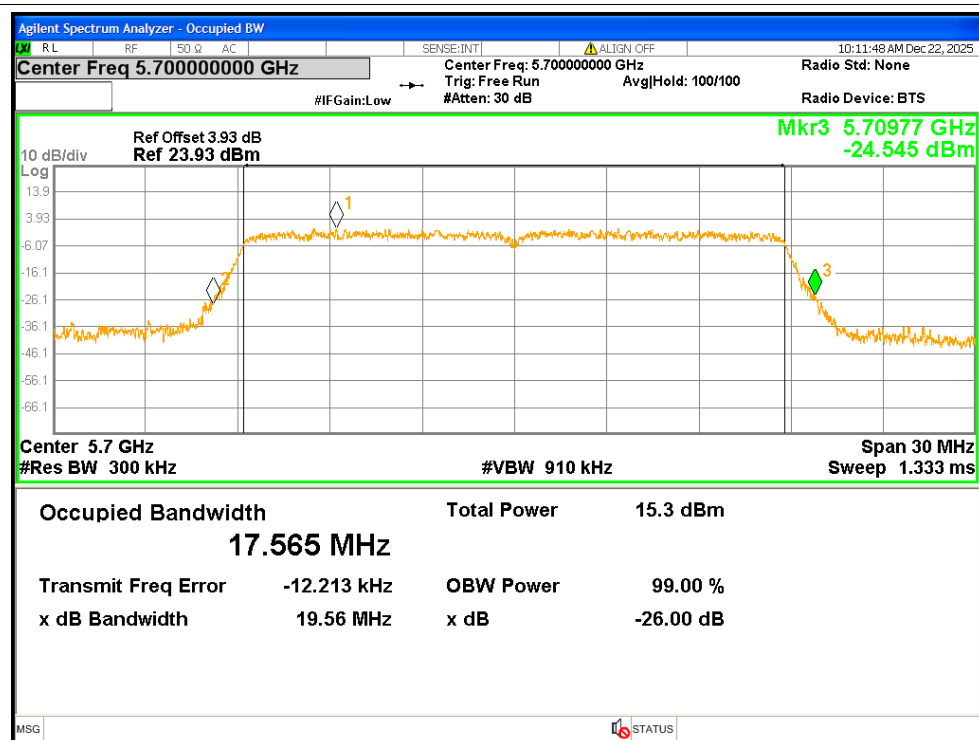
-26dB Bandwidth NVNT n20 5580MHz Ant1



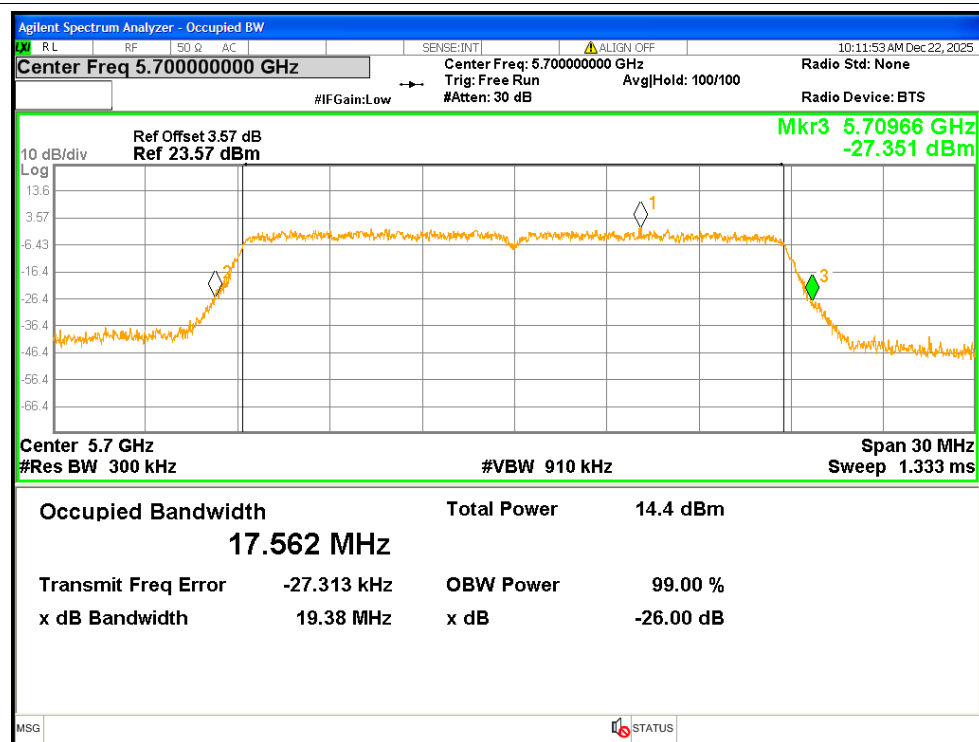
-26dB Bandwidth NVNT n20 5580MHz Ant2



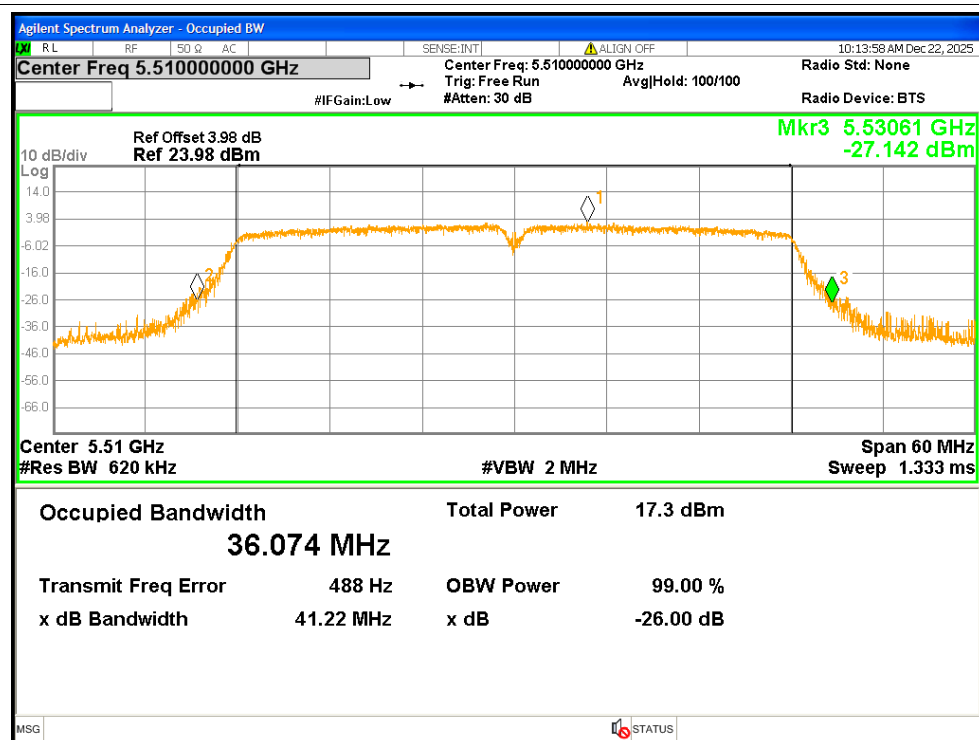
-26dB Bandwidth NVNT n20 5700MHz Ant1



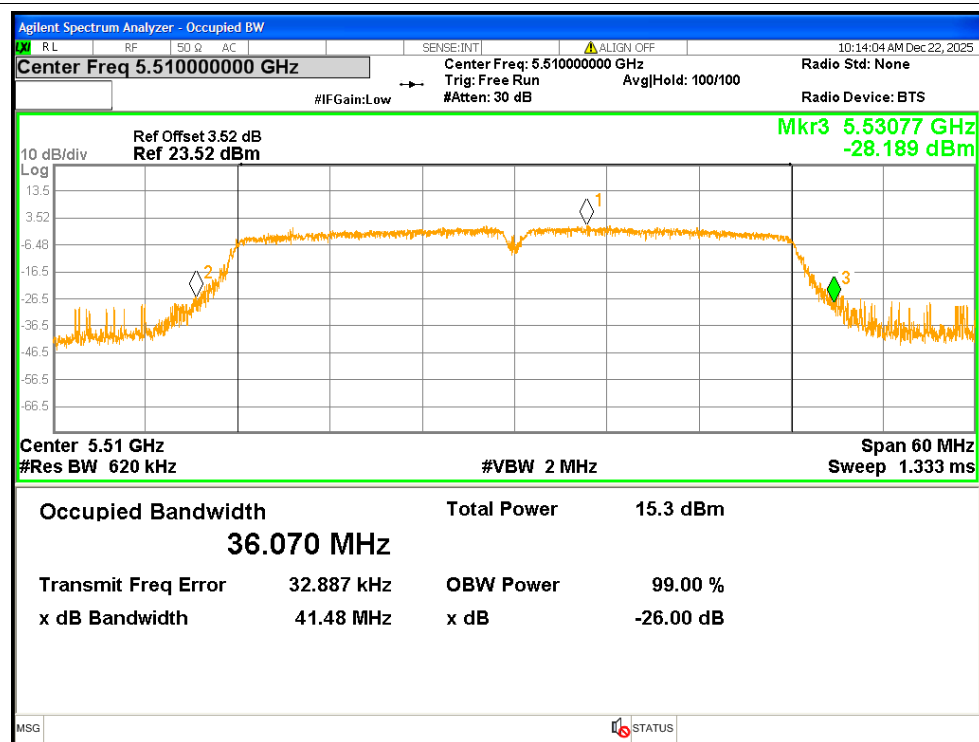
-26dB Bandwidth NVNT n20 5700MHz Ant2



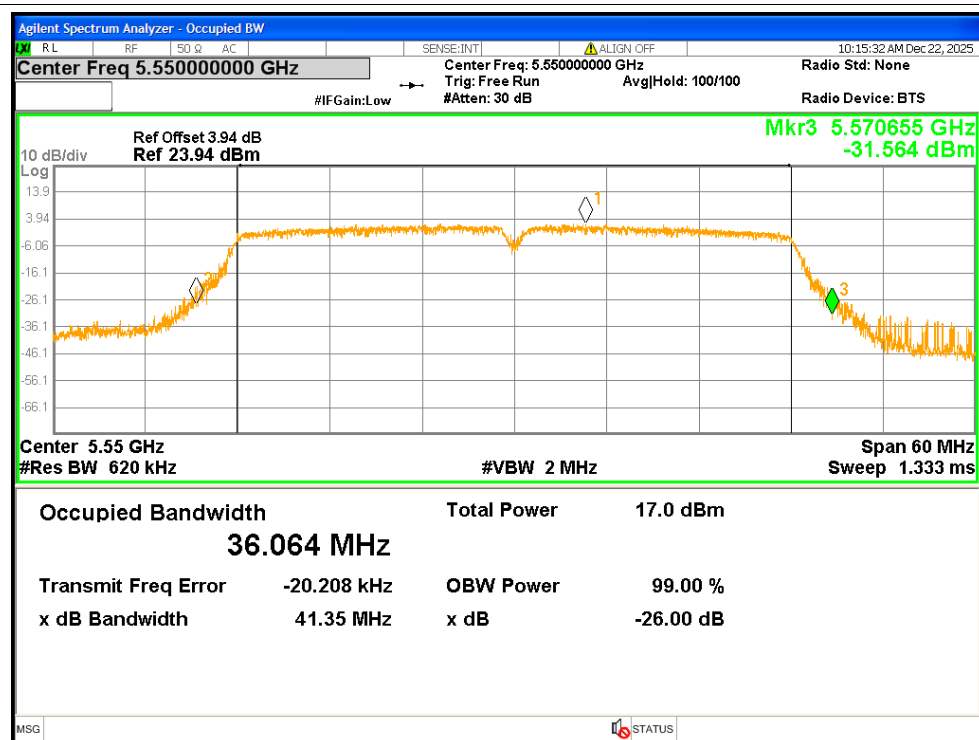
-26dB Bandwidth NVNT n40 5510MHz Ant1



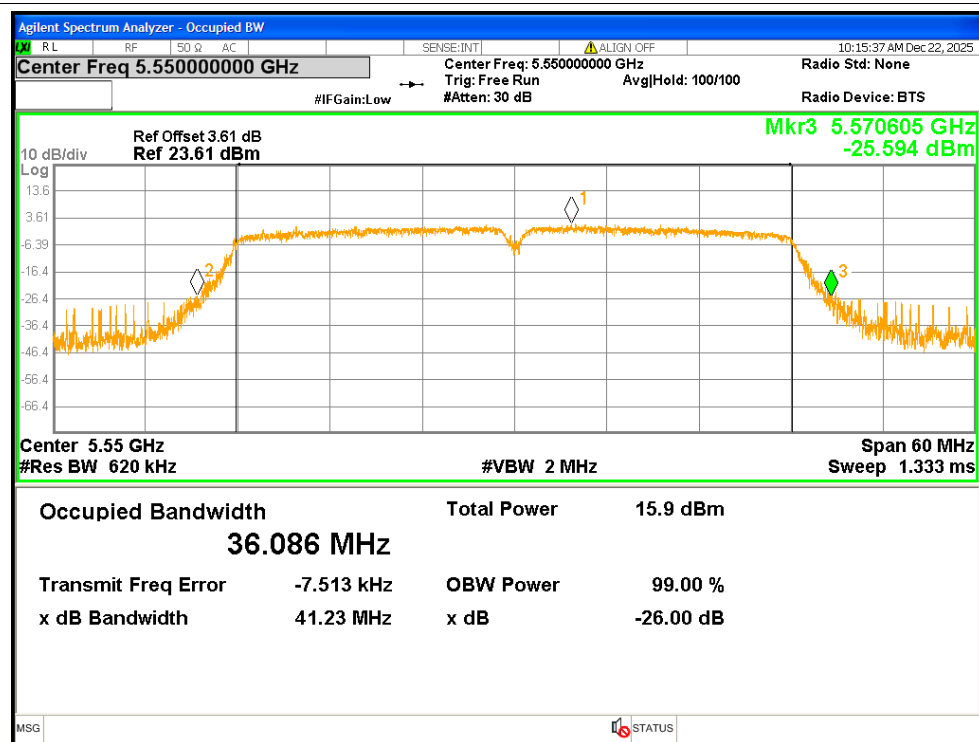
-26dB Bandwidth NVNT n40 5510MHz Ant2



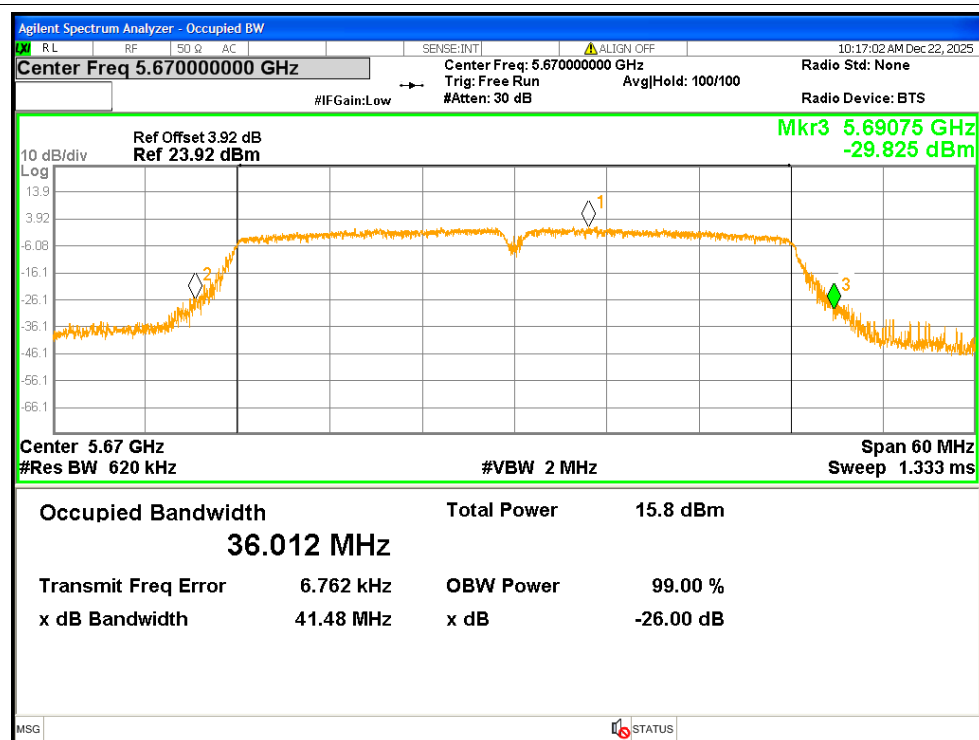
-26dB Bandwidth NVNT n40 5550MHz Ant1



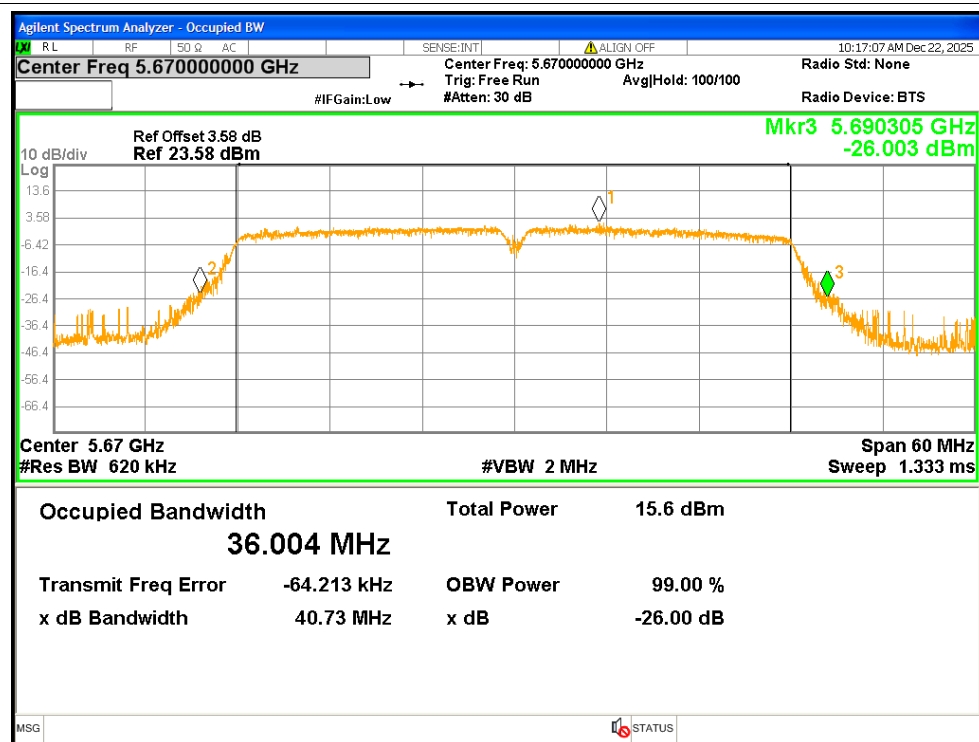
-26dB Bandwidth NVNT n40 5550MHz Ant2



-26dB Bandwidth NVNT n40 5670MHz Ant1



-26dB Bandwidth NVNT n40 5670MHz Ant2

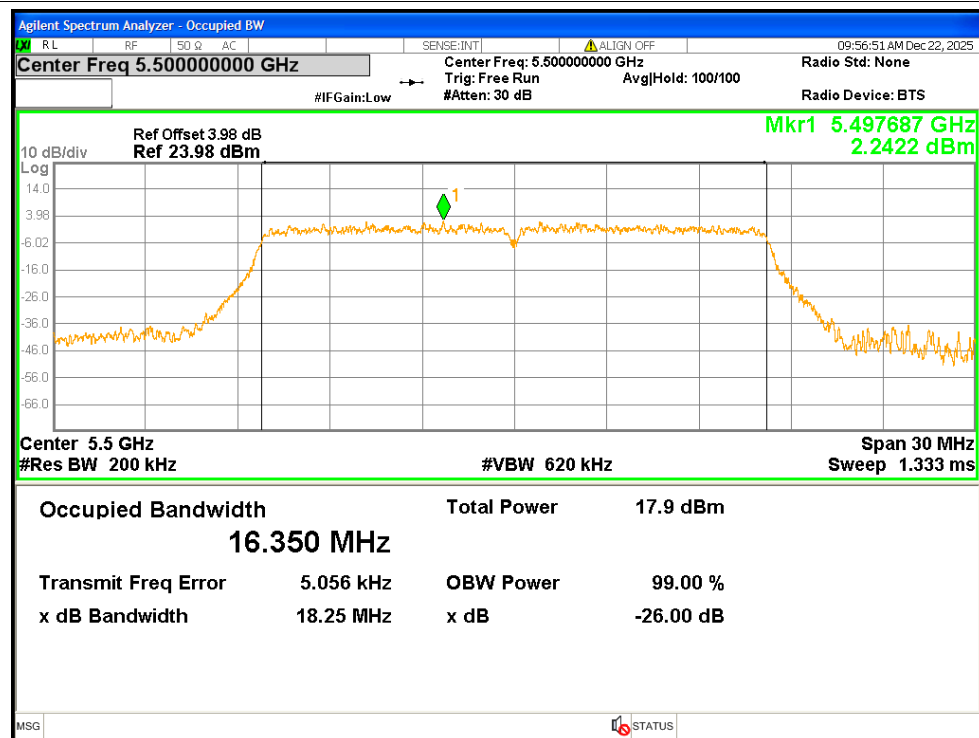


Occupied Channel Bandwidth

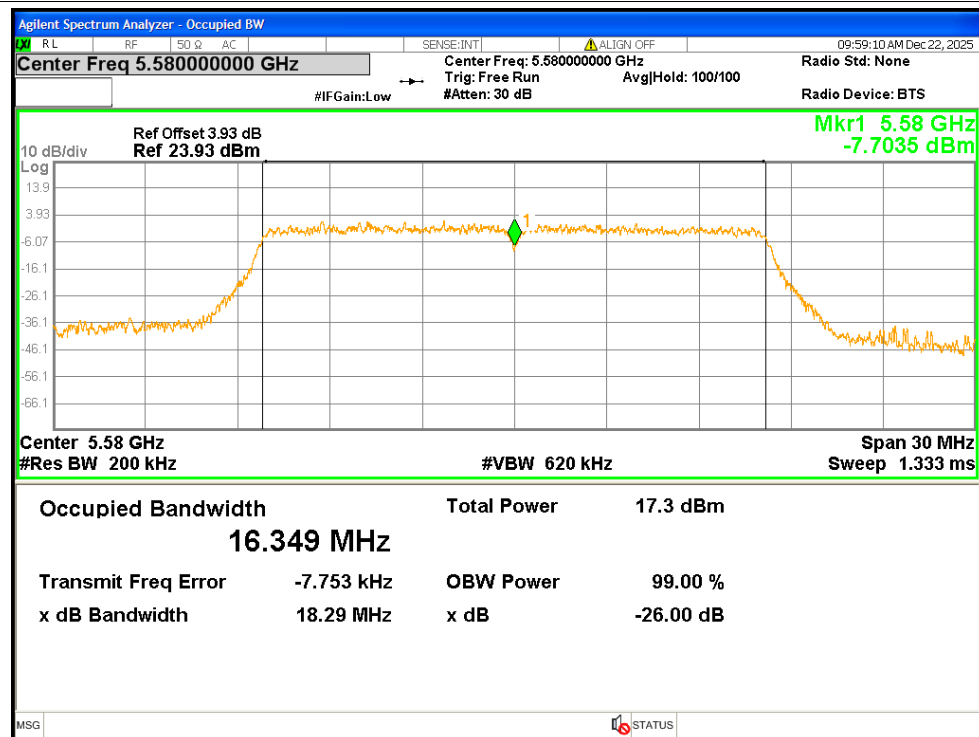
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.35
NVNT	a	5580	Ant1	16.349
NVNT	a	5700	Ant1	16.34
NVNT	a	5500	Ant2	16.373
NVNT	a	5580	Ant2	16.387
NVNT	a	5700	Ant2	16.344
NVNT	n20	5500	Ant1	17.518
NVNT	n20	5500	Ant2	17.52
NVNT	n20	5580	Ant1	17.517
NVNT	n20	5580	Ant2	17.519
NVNT	n20	5700	Ant1	17.529
NVNT	n20	5700	Ant2	17.518
NVNT	n40	5510	Ant1	35.977
NVNT	n40	5510	Ant2	35.94
NVNT	n40	5550	Ant1	36.034
NVNT	n40	5550	Ant2	36.04
NVNT	n40	5670	Ant1	36.031
NVNT	n40	5670	Ant2	36.058

Test Graphs

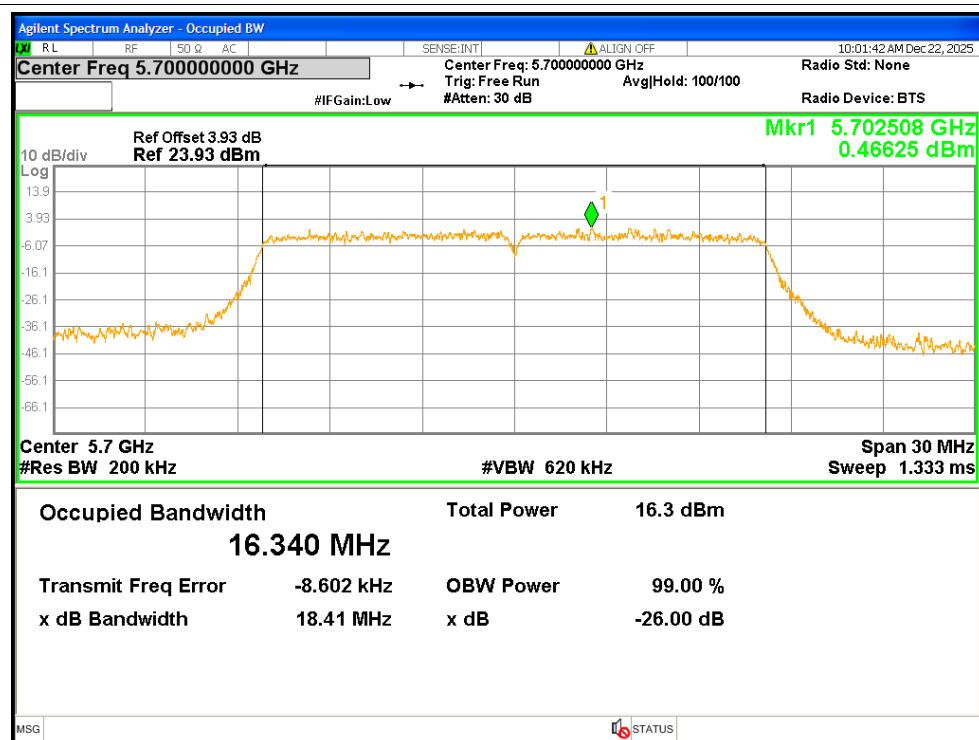
OBW NVNT a 5500MHz Ant1



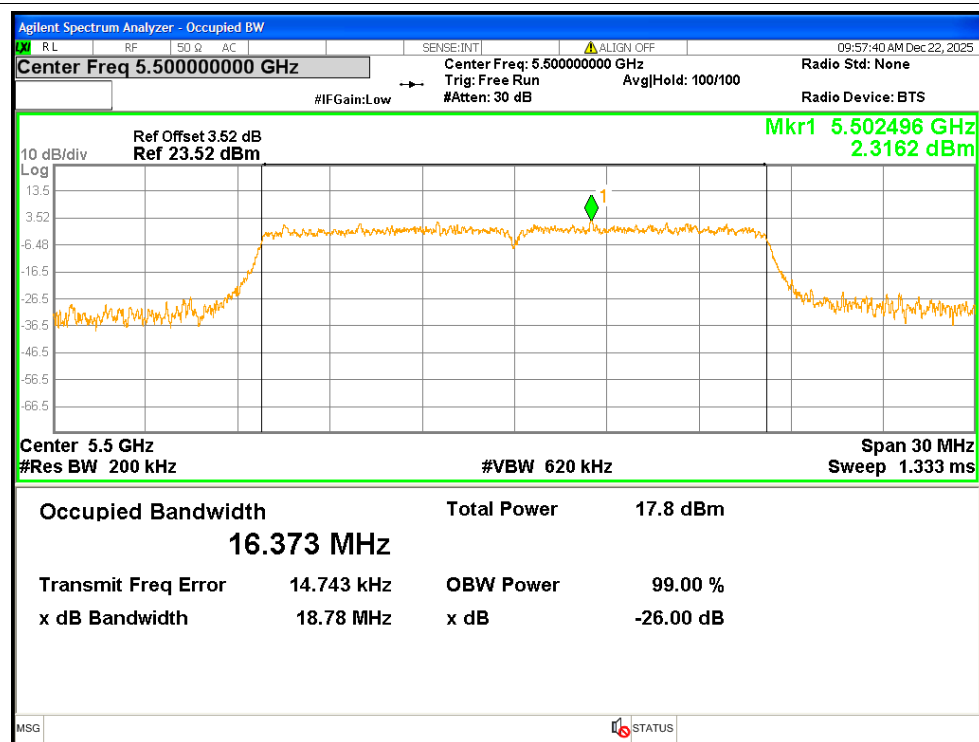
OBW NVNT a 5580MHz Ant1



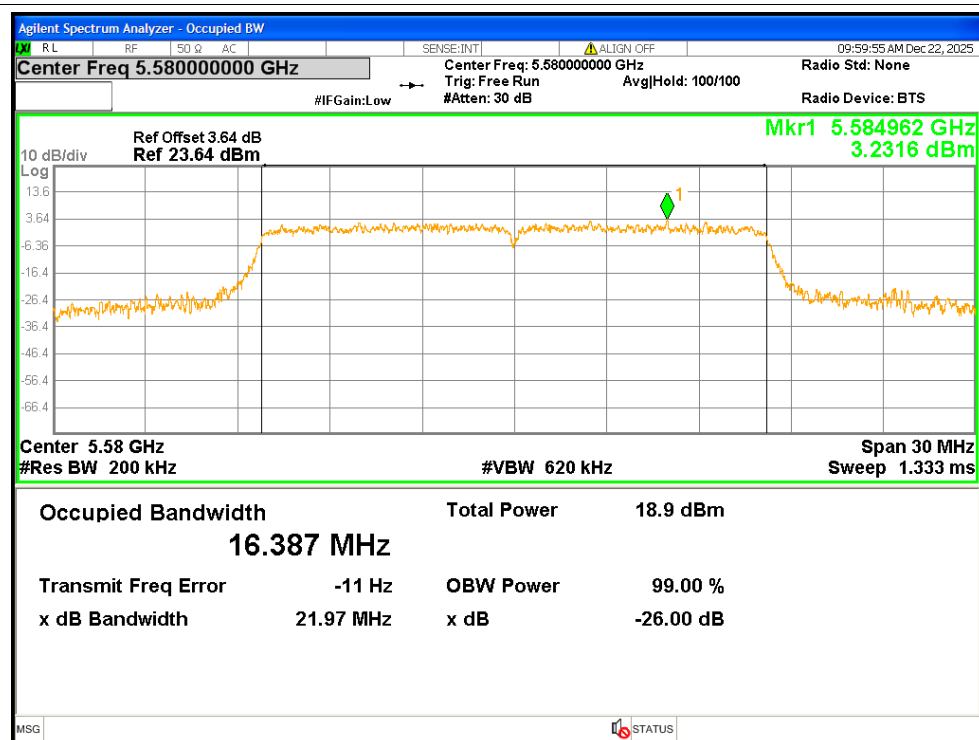
OBW NVNT a 5700MHz Ant1



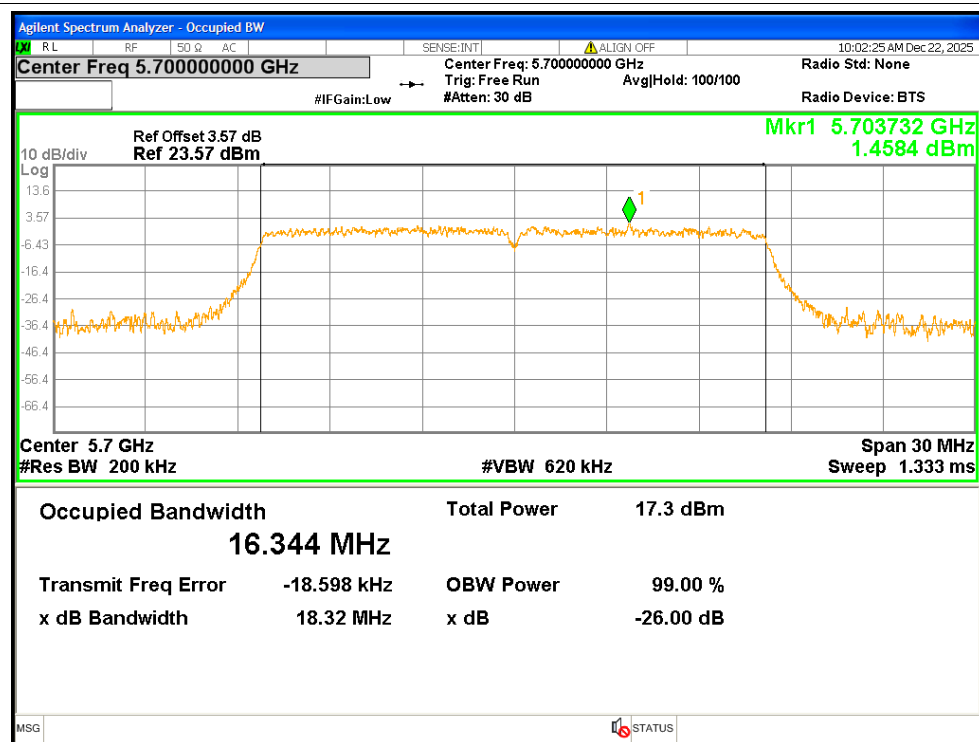
OBW NVNT a 5500MHz Ant2



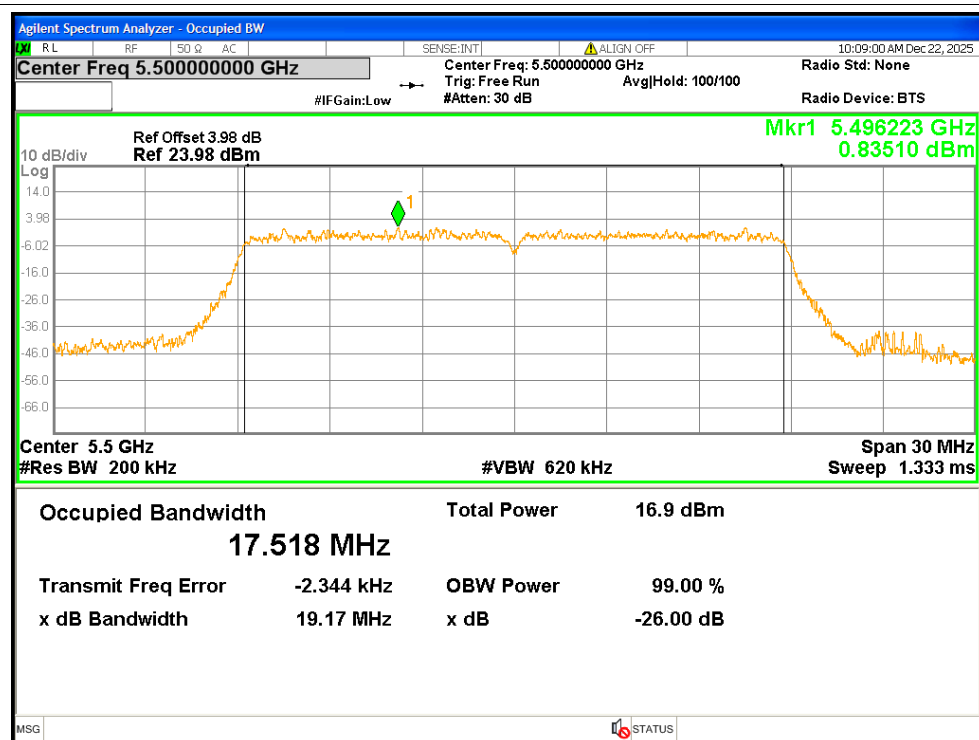
OBW NVNT a 5580MHz Ant2



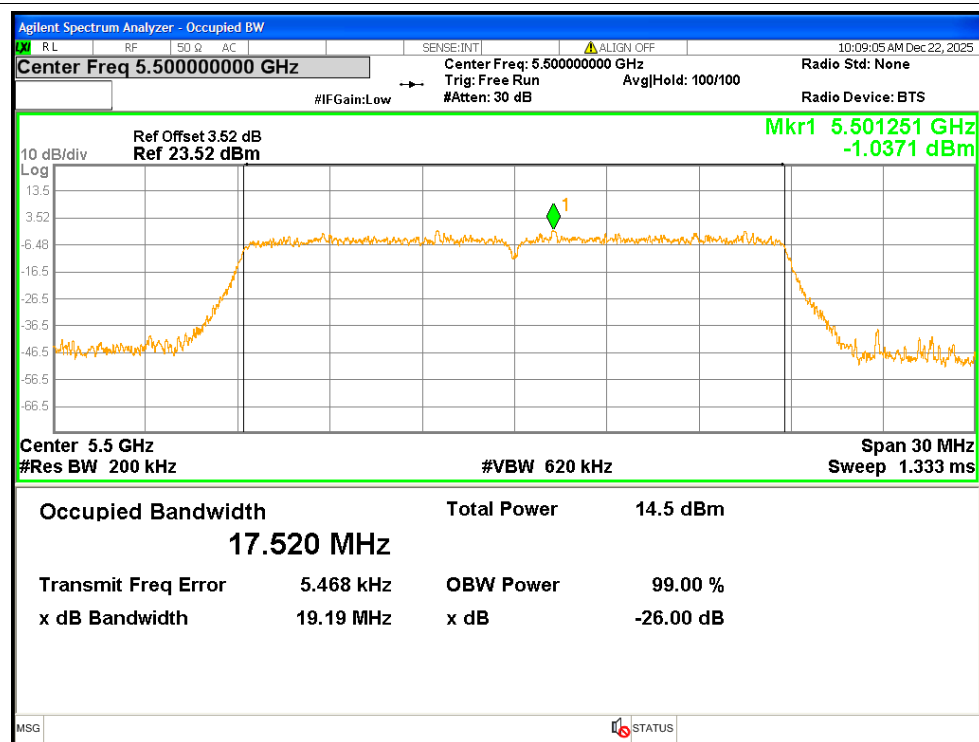
OBW NVNT a 5700MHz Ant2



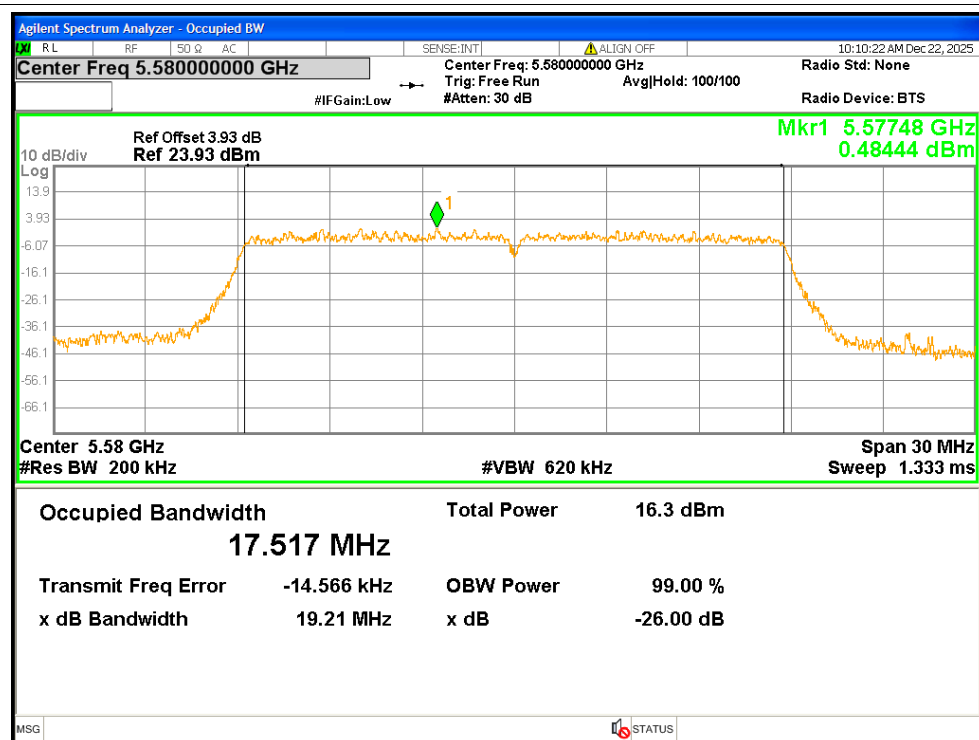
OBW NVNT n20 5500MHz Ant1



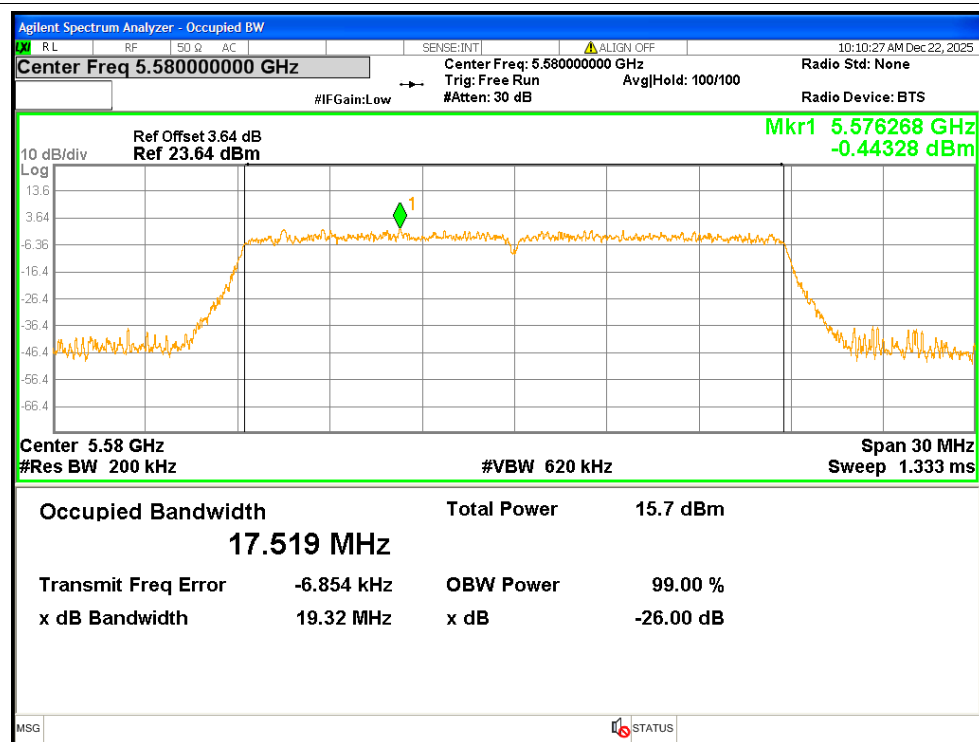
OBW NVNT n20 5500MHz Ant2



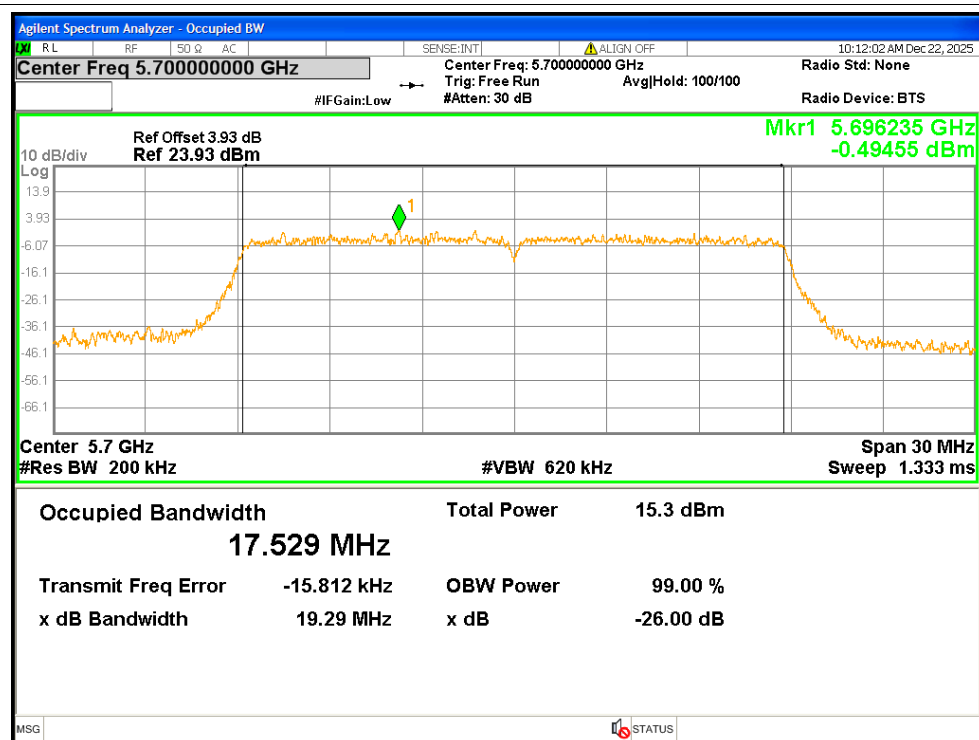
OBW NVNT n20 5580MHz Ant1



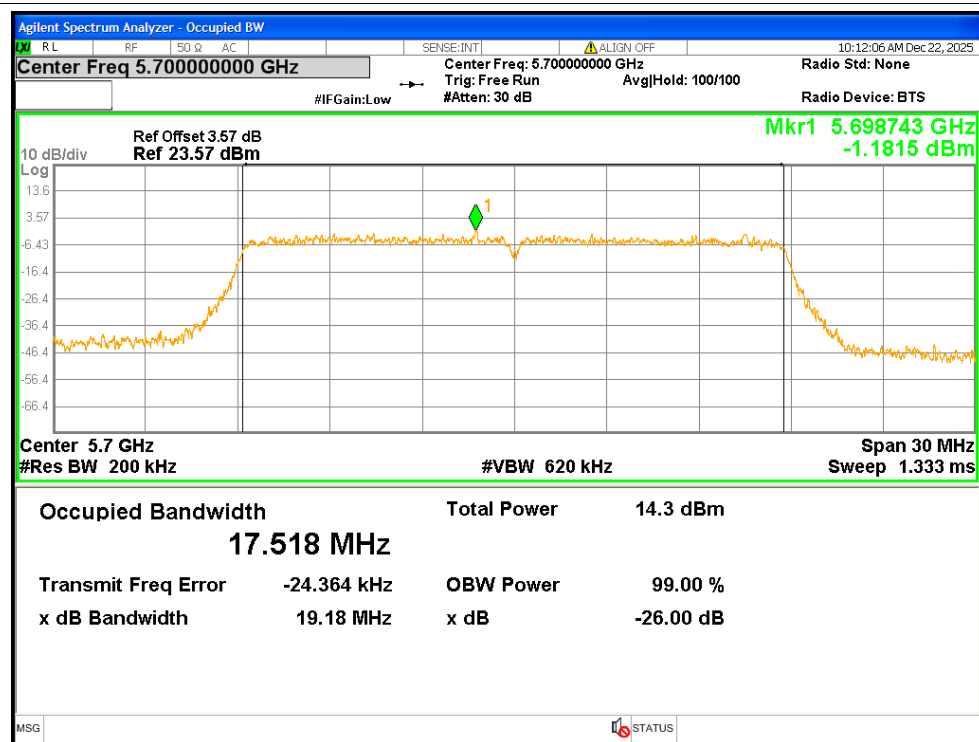
OBW NVNT n20 5580MHz Ant2



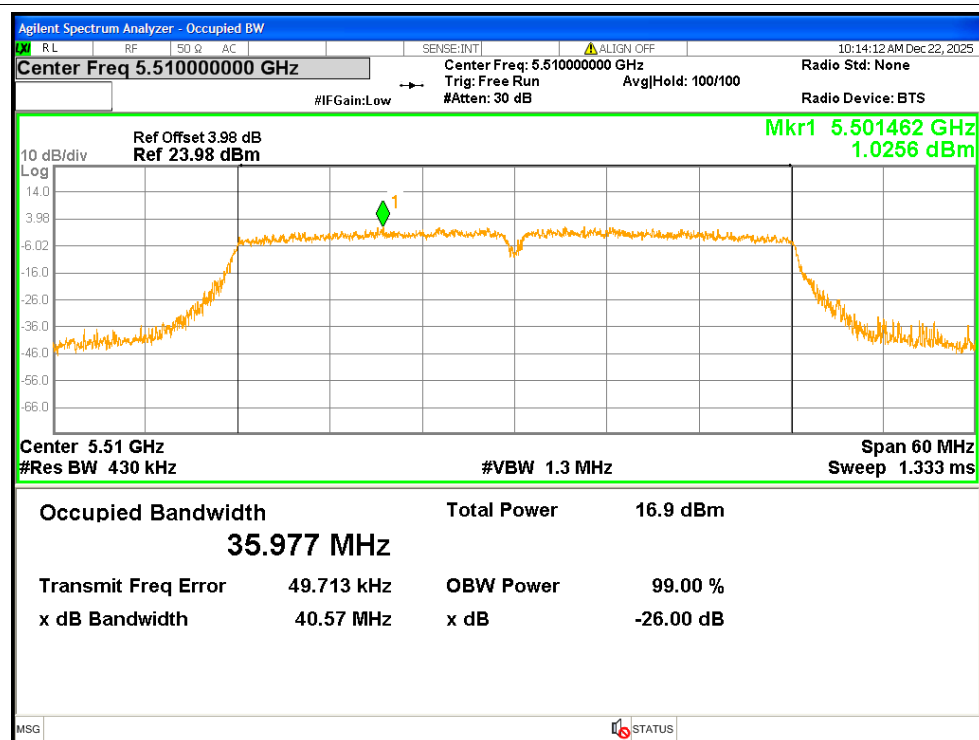
OBW NVNT n20 5700MHz Ant1



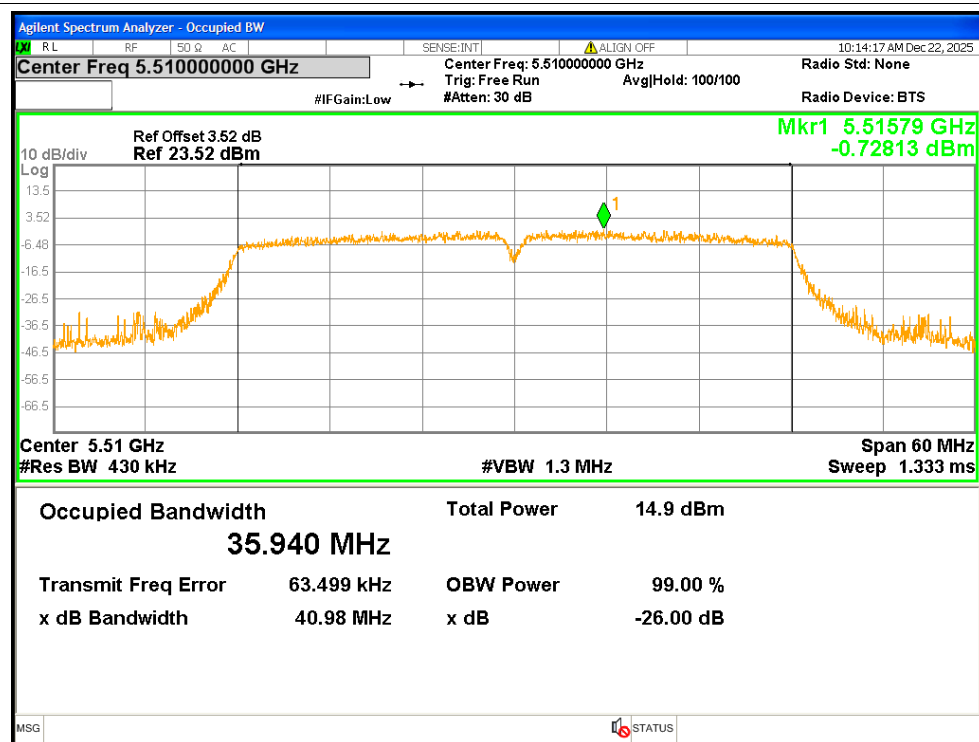
OBW NVNT n20 5700MHz Ant2



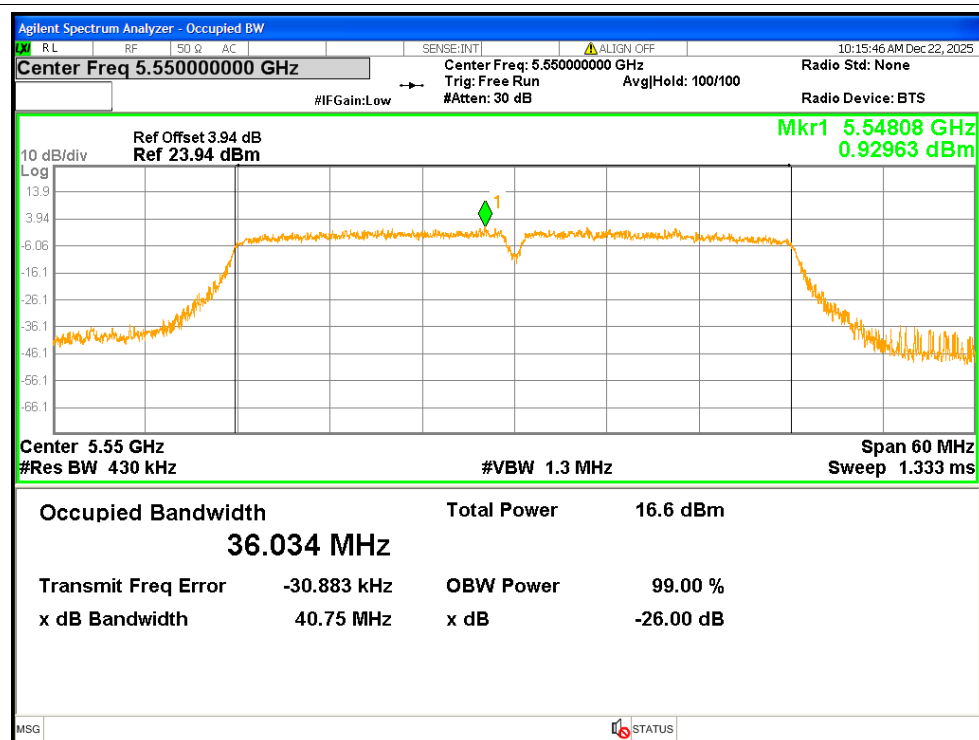
OBW NVNT n40 5510MHz Ant1



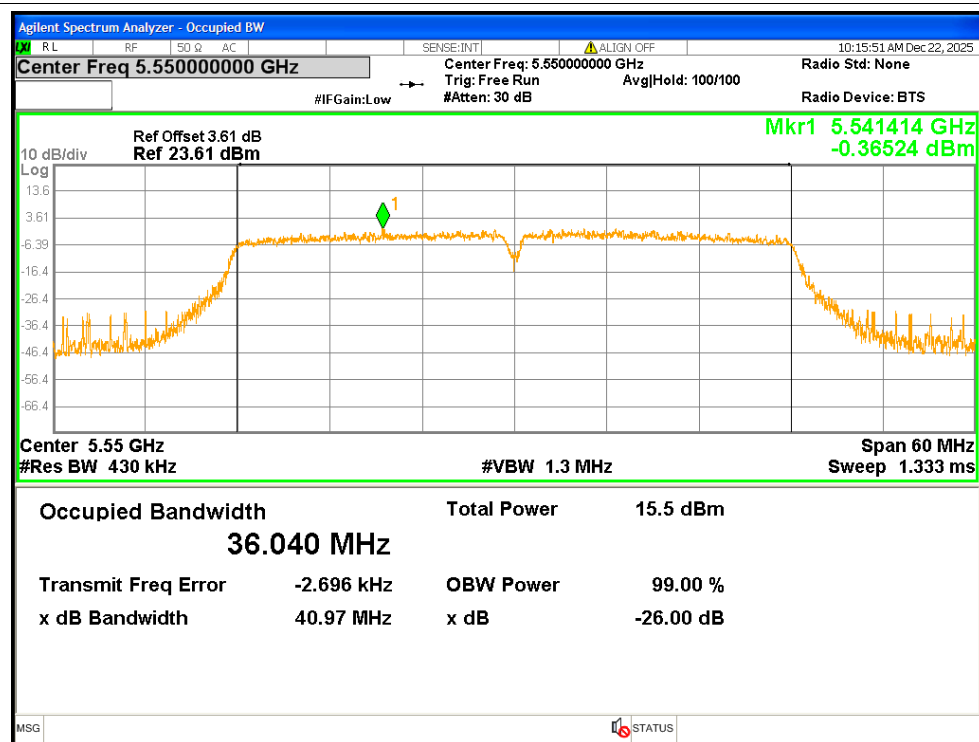
OBW NVNT n40 5510MHz Ant2



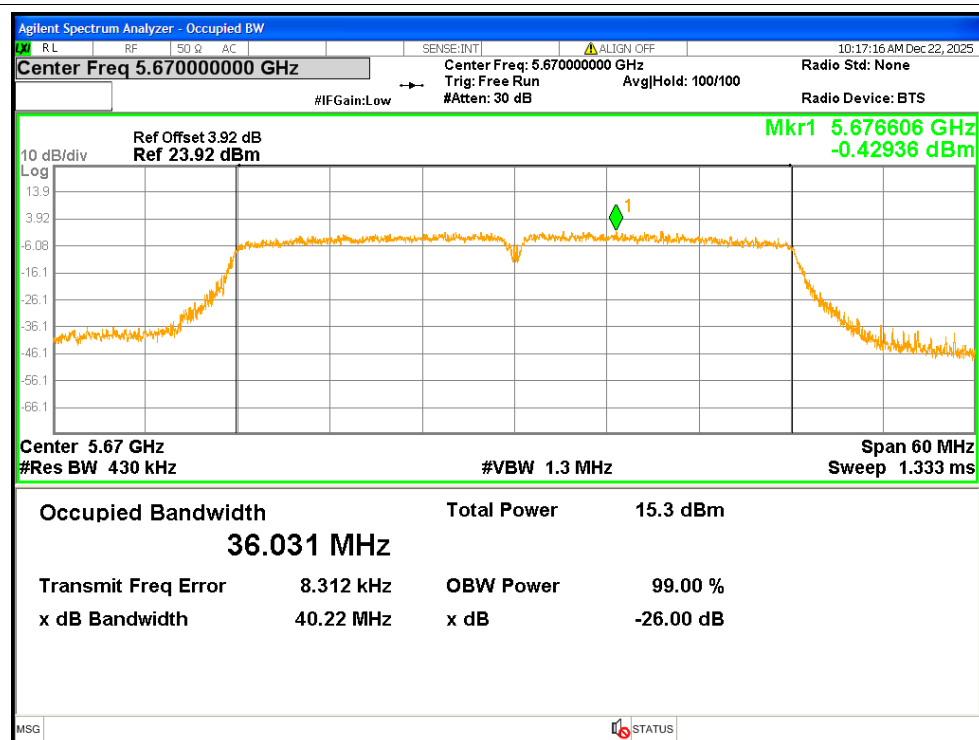
OBW NVNT n40 5550MHz Ant1



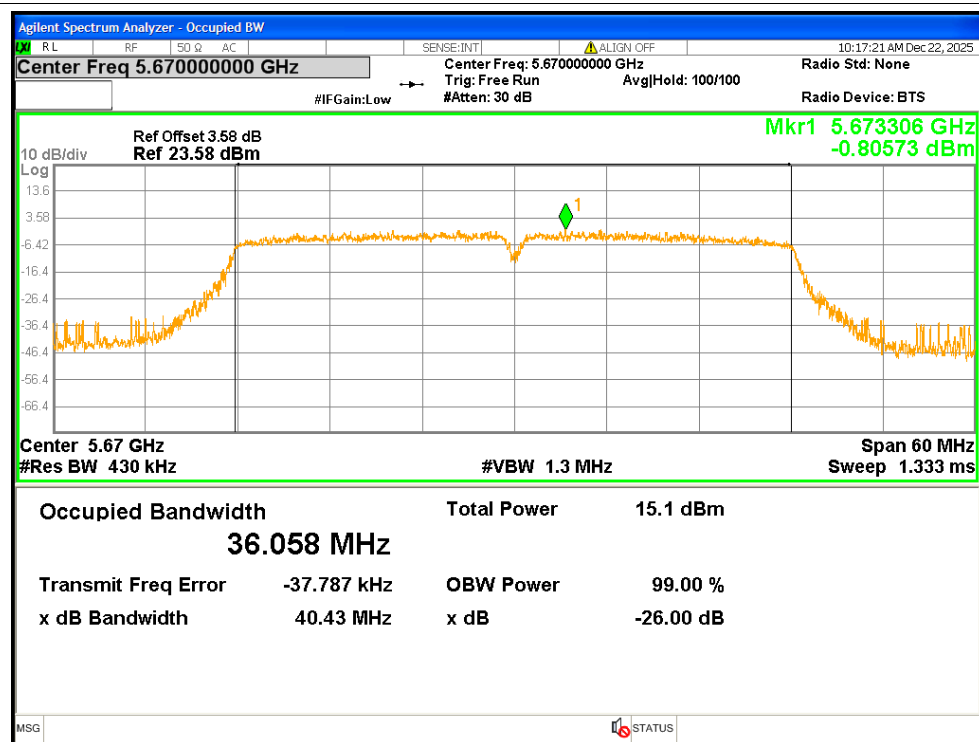
OBW NVNT n40 5550MHz Ant2



OBW NVNT n40 5670MHz Ant1



OBW NVNT n40 5670MHz Ant2

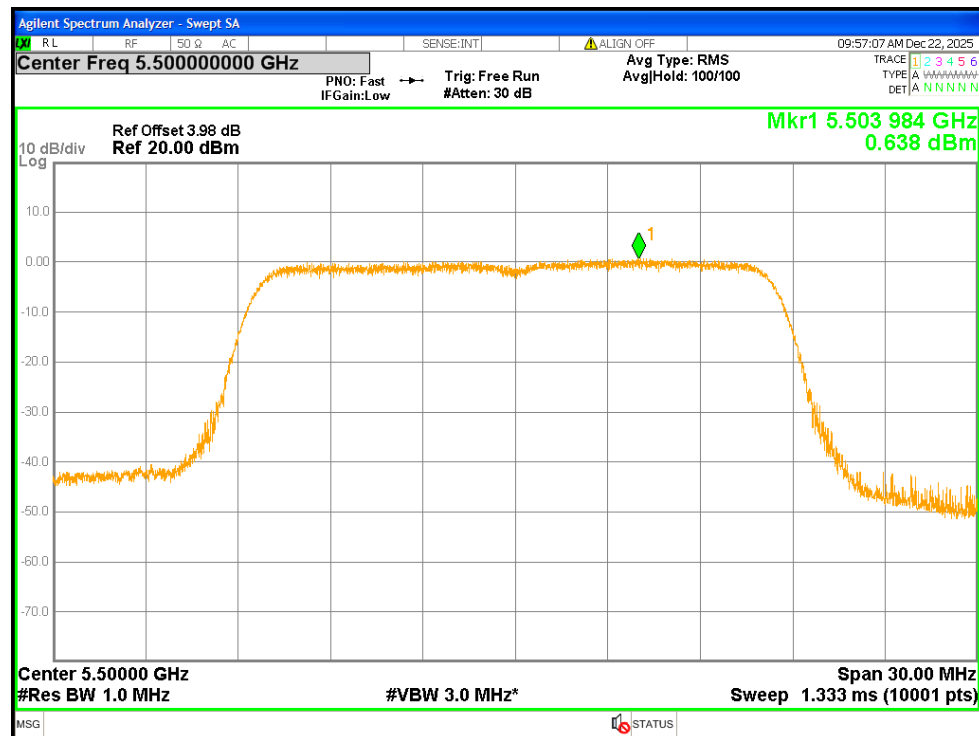


Maximum Power Spectral Density Level

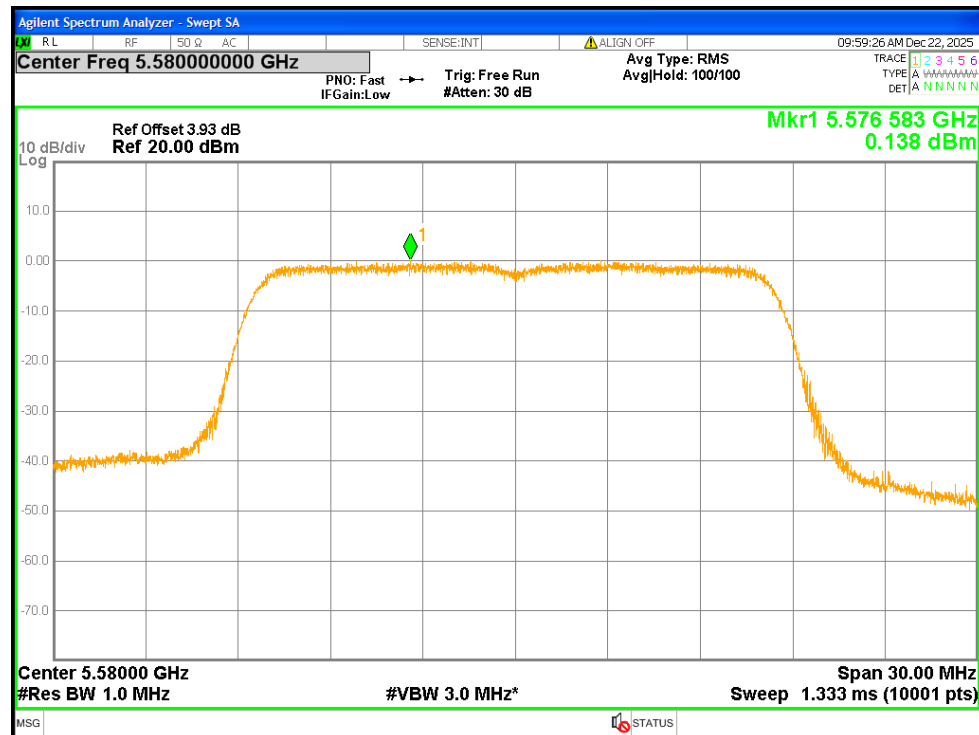
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	0.638	1.36	1.998	<=11	Pass
NVNT	a	5580	Ant1	0.138	1.36	1.498	<=11	Pass
NVNT	a	5700	Ant1	-0.448	1.36	0.912	<=11	Pass
NVNT	a	5500	Ant2	1.051	1.36	2.411	<=11	Pass
NVNT	a	5580	Ant2	2.38	1.36	3.74	<=11	Pass
NVNT	a	5700	Ant2	0.356	1.36	1.716	<=11	Pass
NVNT	n20	5500	Ant1	-0.4	1.44	1.04	<=11	Pass
NVNT	n20	5500	Ant2	-2.804	1.44	-1.364	<=11	Pass
NVNT	n20	5500	MIMO	1.573	1.44	3.013	<=10.96	Pass
NVNT	n20	5580	Ant1	-1.448	1.44	-0.008	<=11	Pass
NVNT	n20	5580	Ant2	-1.452	1.44	-0.012	<=11	Pass
NVNT	n20	5580	MIMO	1.56	1.44	3	<=10.96	Pass
NVNT	n20	5700	Ant1	-2.126	1.44	-0.686	<=11	Pass
NVNT	n20	5700	Ant2	-2.918	1.44	-1.478	<=11	Pass
NVNT	n20	5700	MIMO	0.506	1.44	1.946	<=10.96	Pass
NVNT	n40	5510	Ant1	-3.531	2.54	-0.991	<=11	Pass
NVNT	n40	5510	Ant2	-5.456	2.54	-2.916	<=11	Pass
NVNT	n40	5510	MIMO	-1.377	2.54	1.163	<=10.96	Pass
NVNT	n40	5550	Ant1	-3.945	2.53	-1.415	<=11	Pass
NVNT	n40	5550	Ant2	-5.467	2.53	-2.937	<=11	Pass
NVNT	n40	5550	MIMO	-1.629	2.53	0.901	<=10.96	Pass
NVNT	n40	5670	Ant1	-5.325	2.53	-2.795	<=11	Pass
NVNT	n40	5670	Ant2	-5.646	2.53	-3.116	<=11	Pass
NVNT	n40	5670	MIMO	-2.472	2.53	0.058	<=10.96	Pass

Test Graphs

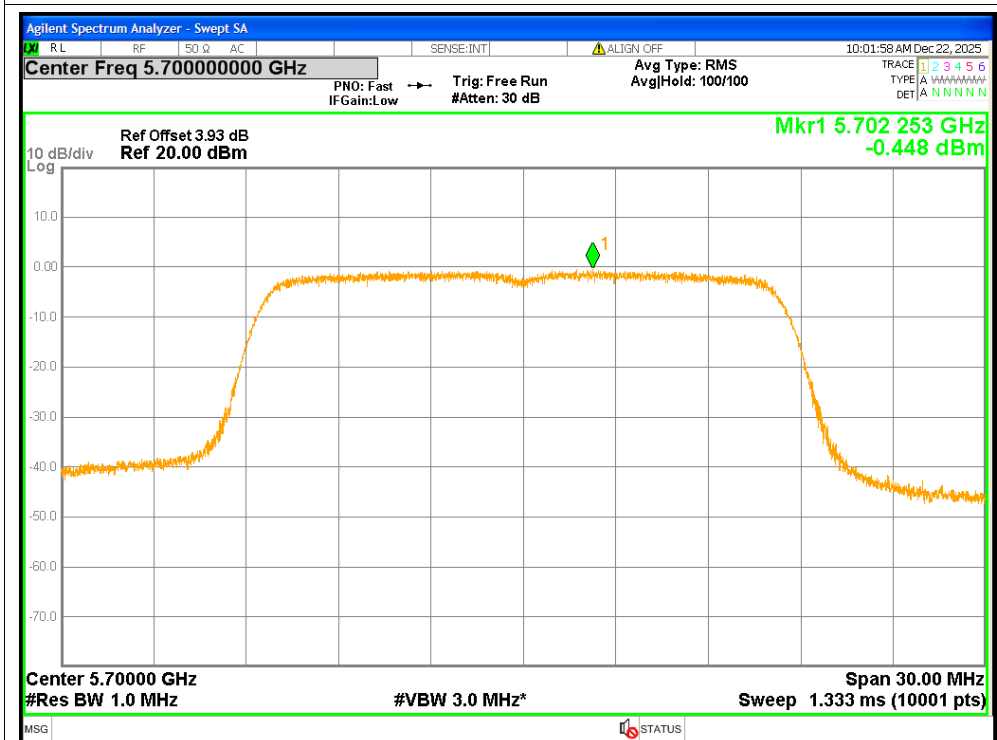
PSD NVNT a 5500MHz Ant1



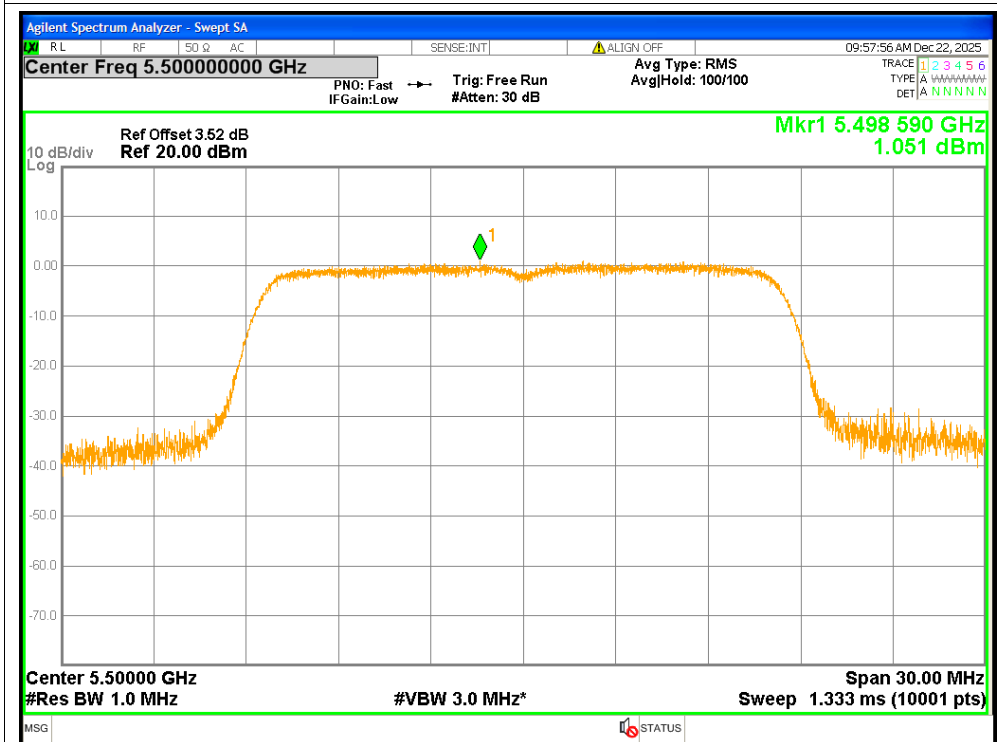
PSD NVNT a 5580MHz Ant1



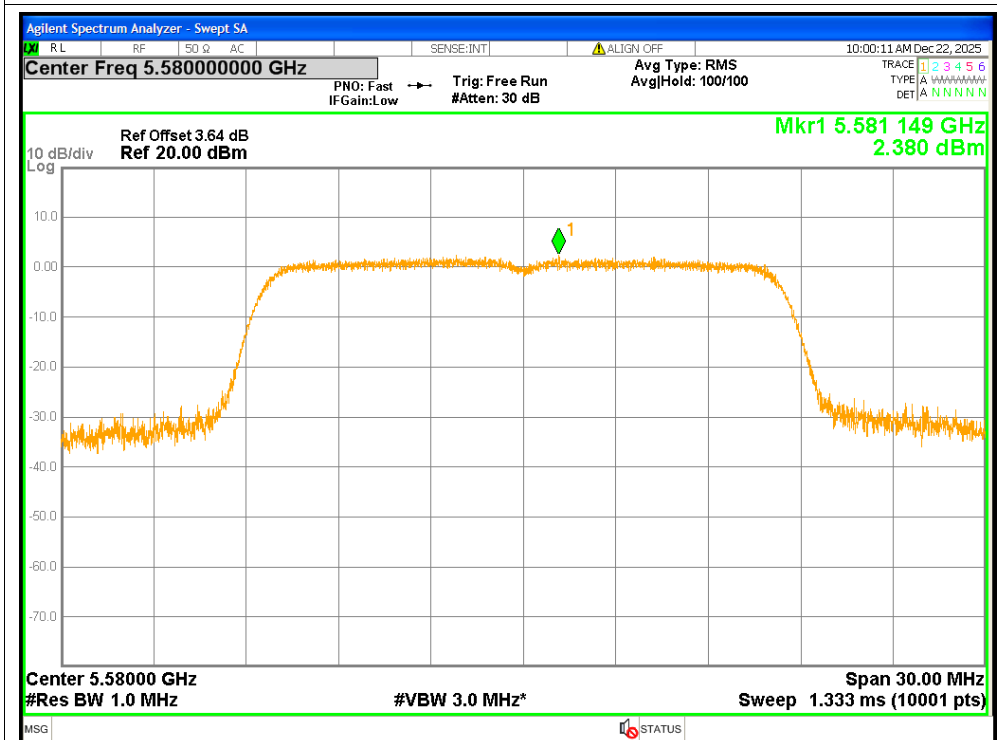
PSD NVNT a 5700MHz Ant1



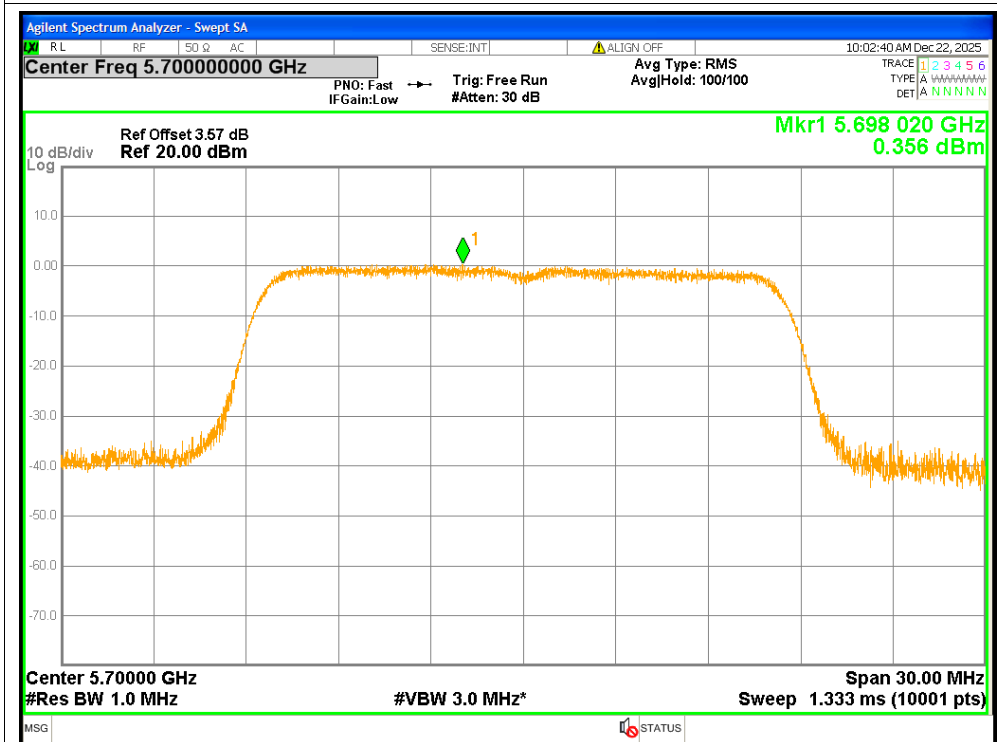
PSD NVNT a 5500MHz Ant2



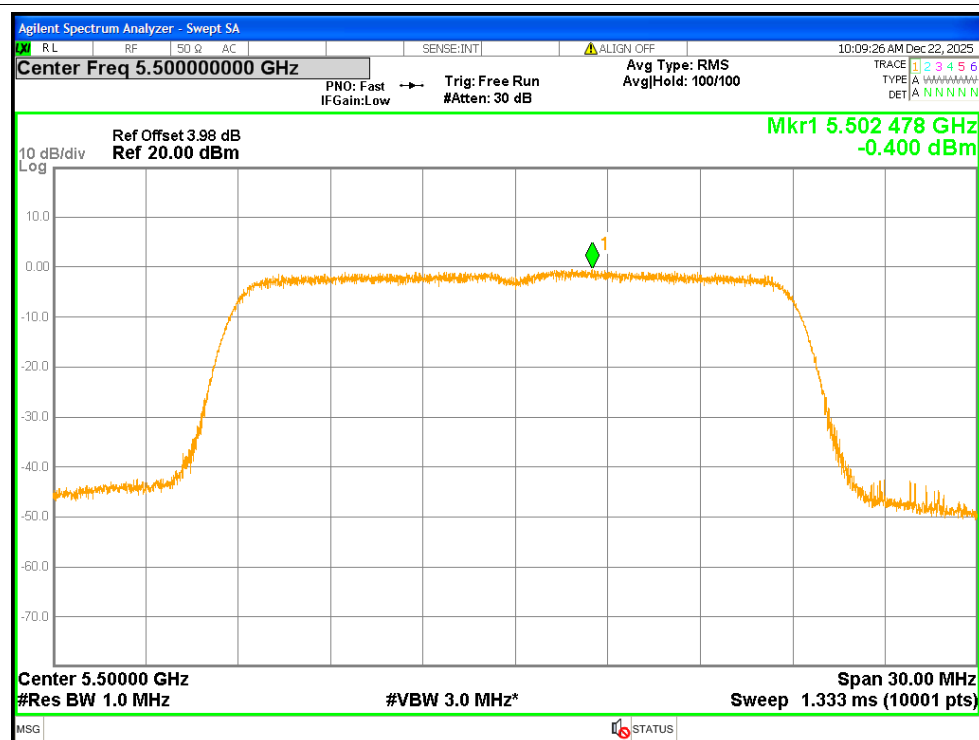
PSD NVNT a 5580MHz Ant2



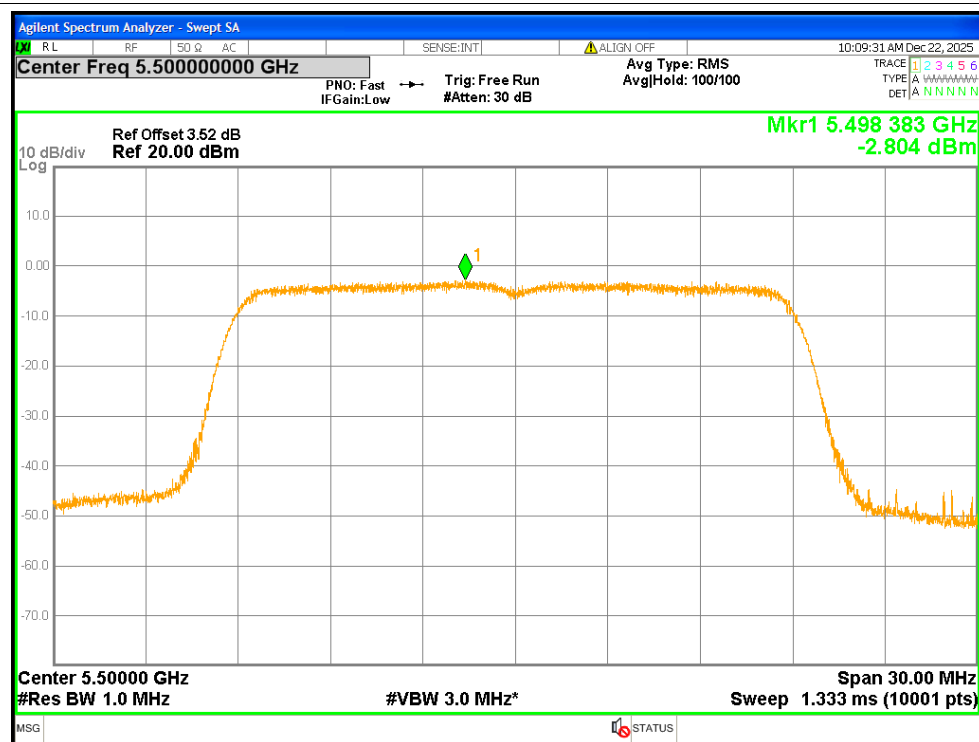
PSD NVNT a 5700MHz Ant2



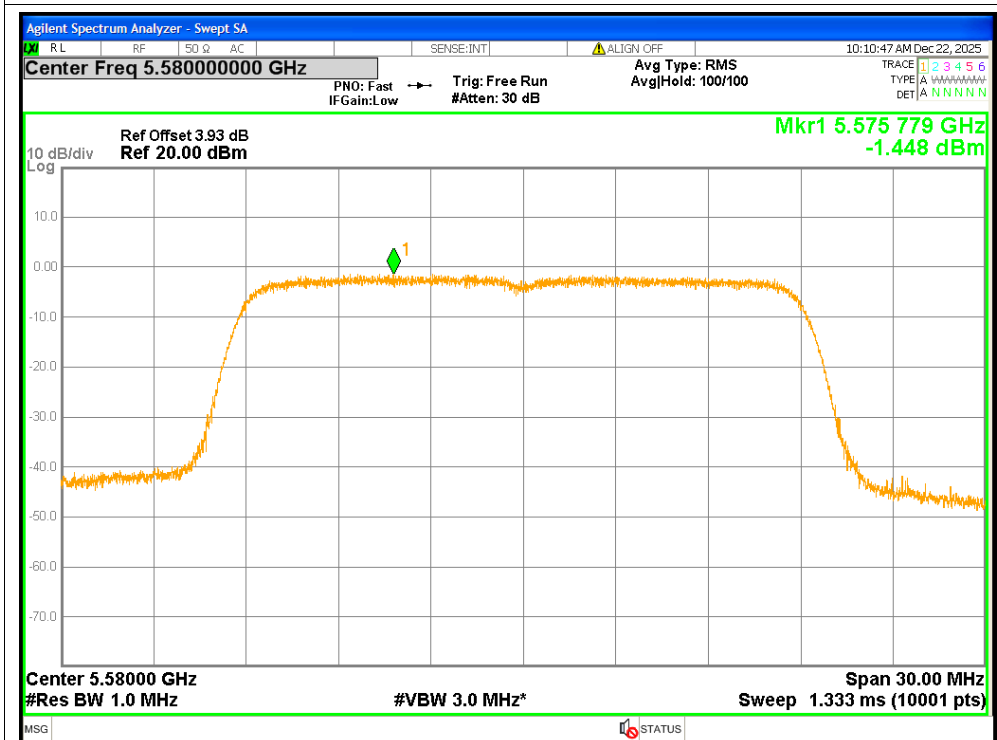
PSD NVNT n20 5500MHz Ant1



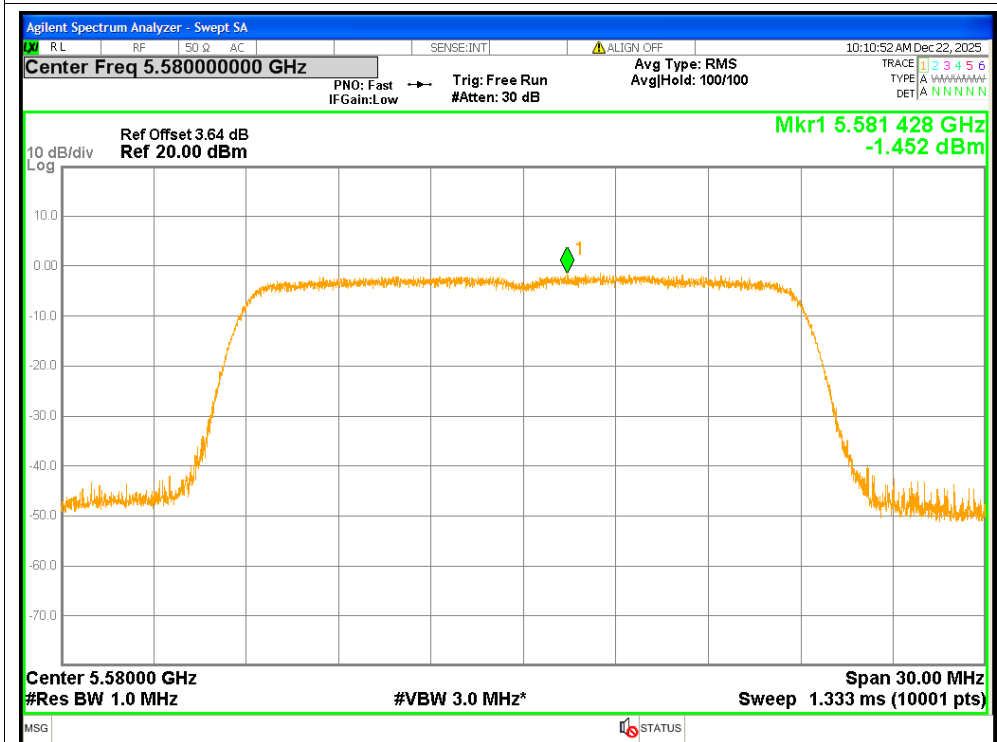
PSD NVNT n20 5500MHz Ant2



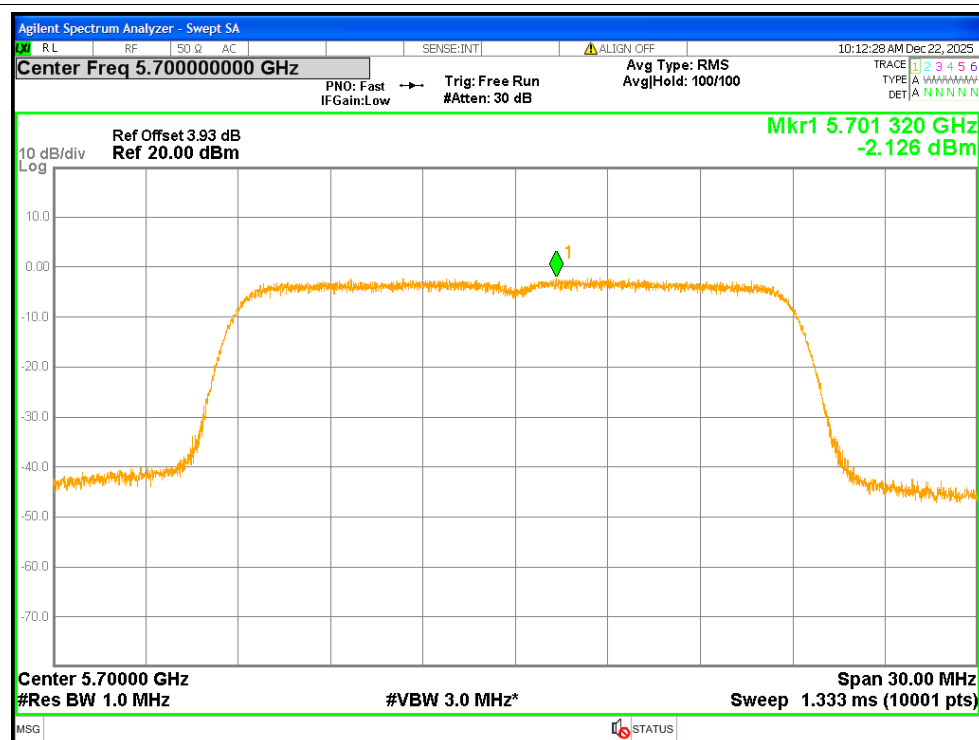
PSD NVNT n20 5580MHz Ant1



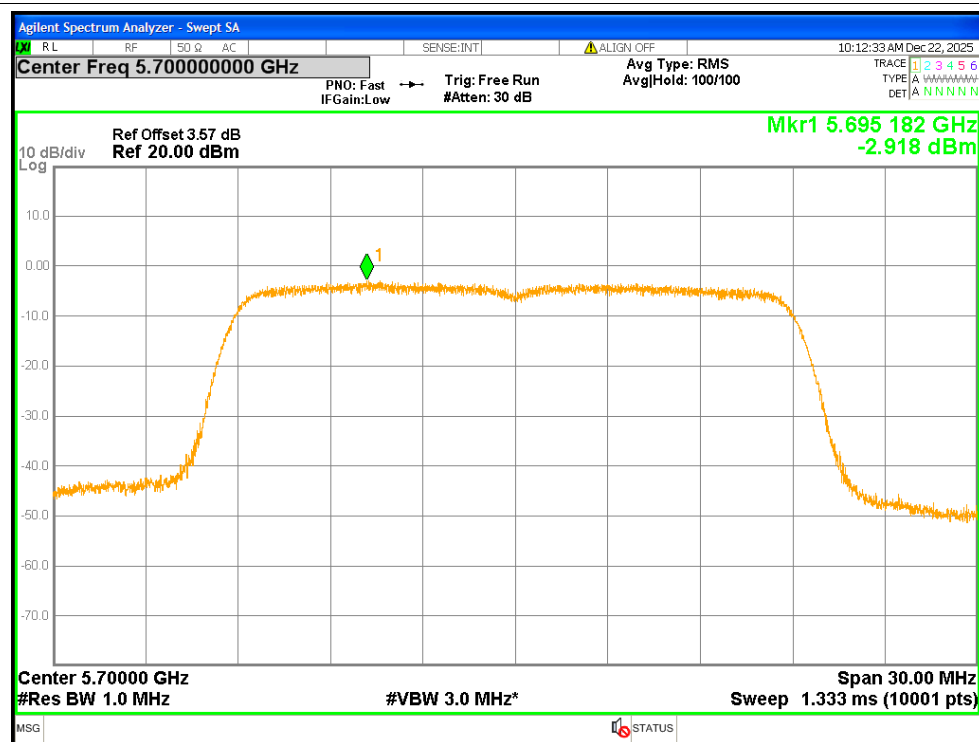
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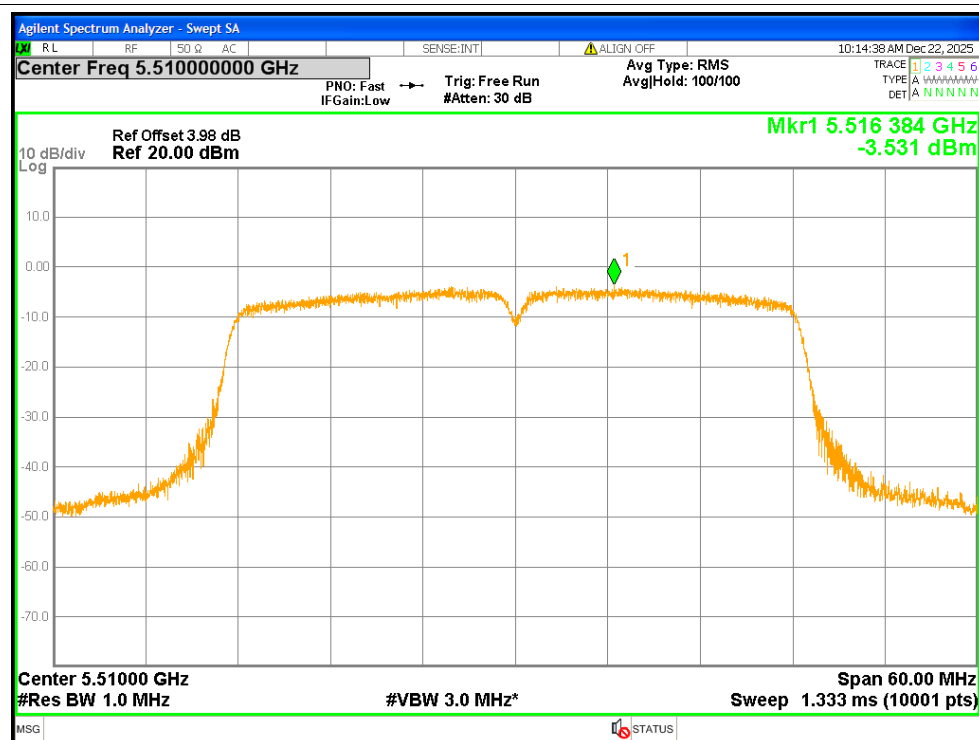
PSD NVNT n20 5700MHz Ant1



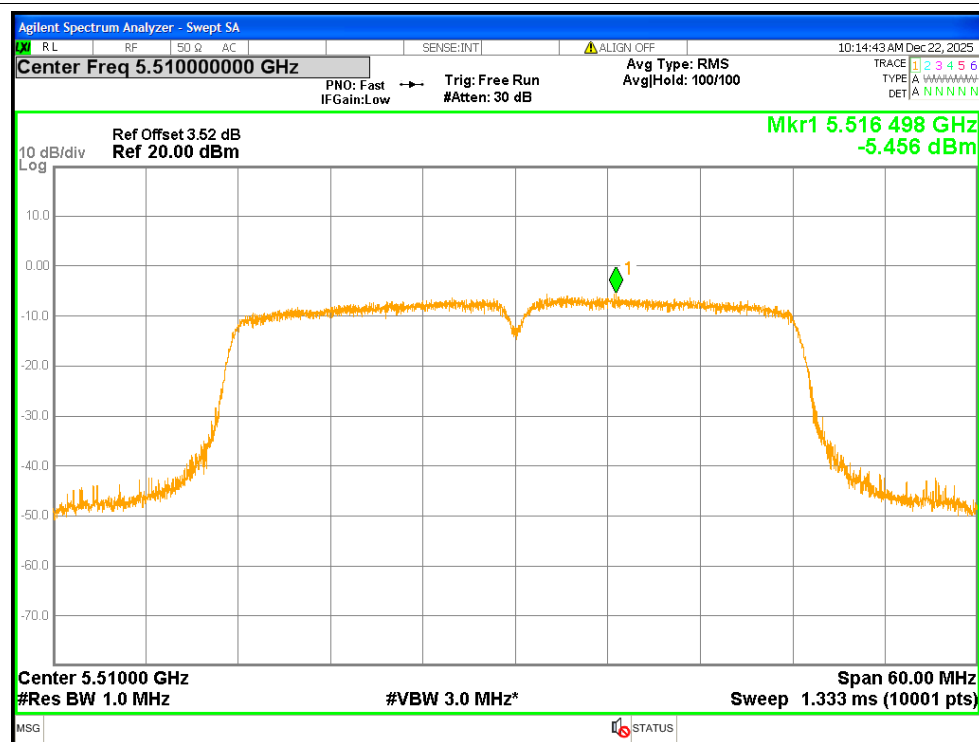
PSD NVNT n20 5700MHz Ant2



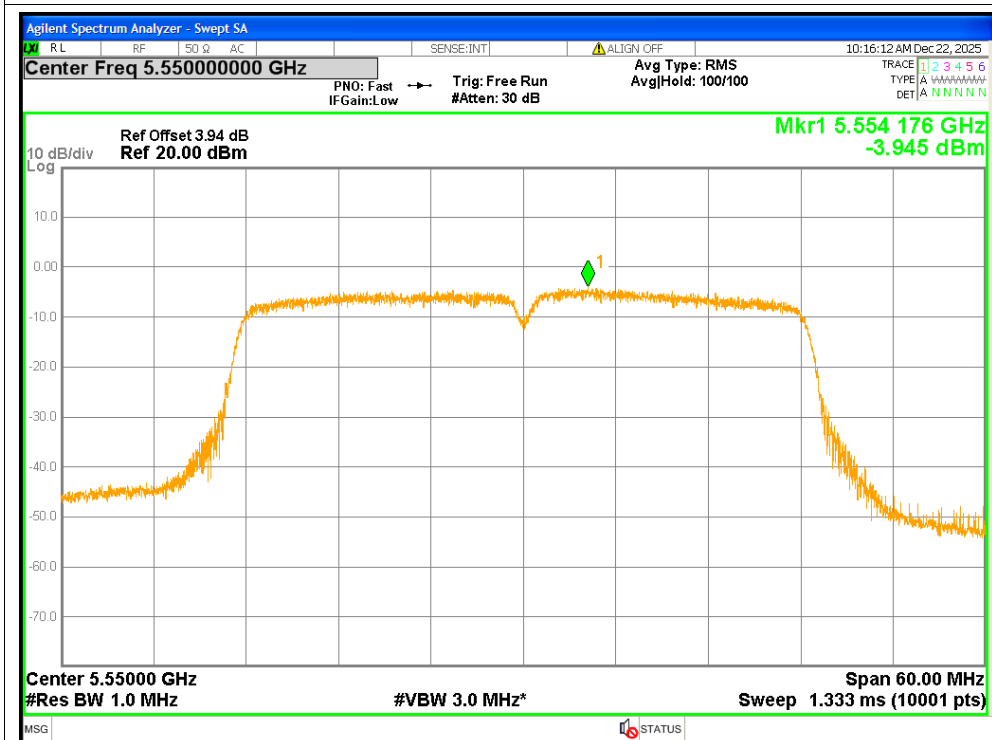
PSD NVNT n40 5510MHz Ant1



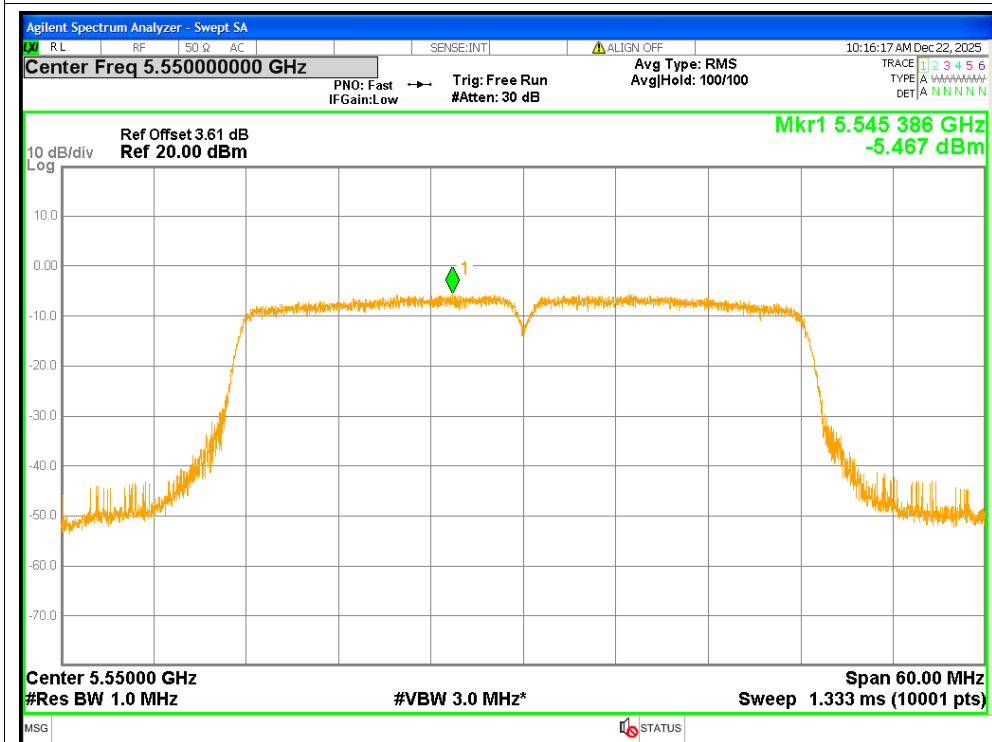
PSD NVNT n40 5510MHz Ant2



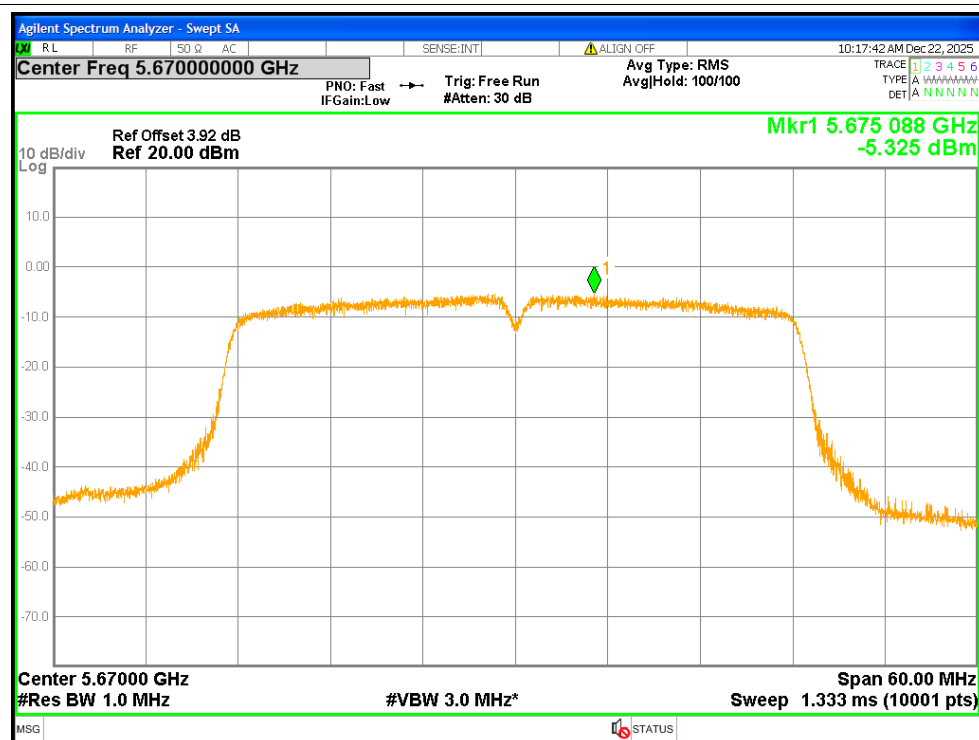
PSD NVNT n40 5550MHz Ant1



PSD NVNT n40 5550MHz Ant2



PSD NVNT n40 5670MHz Ant1



PSD NVNT n40 5670MHz Ant2

