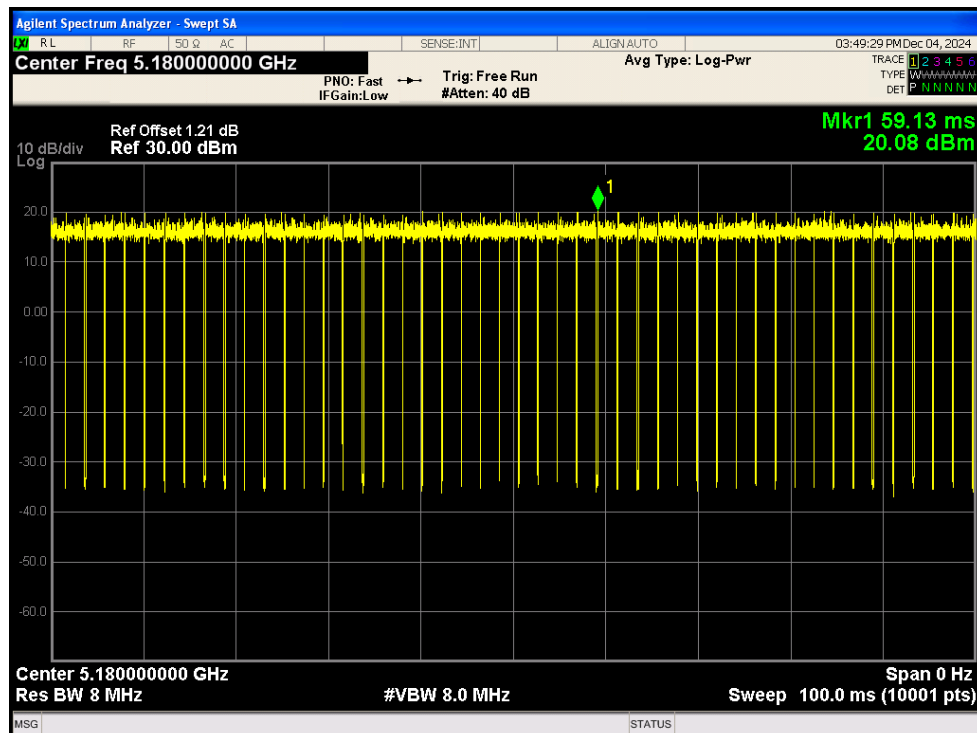


WIFI 5.2G

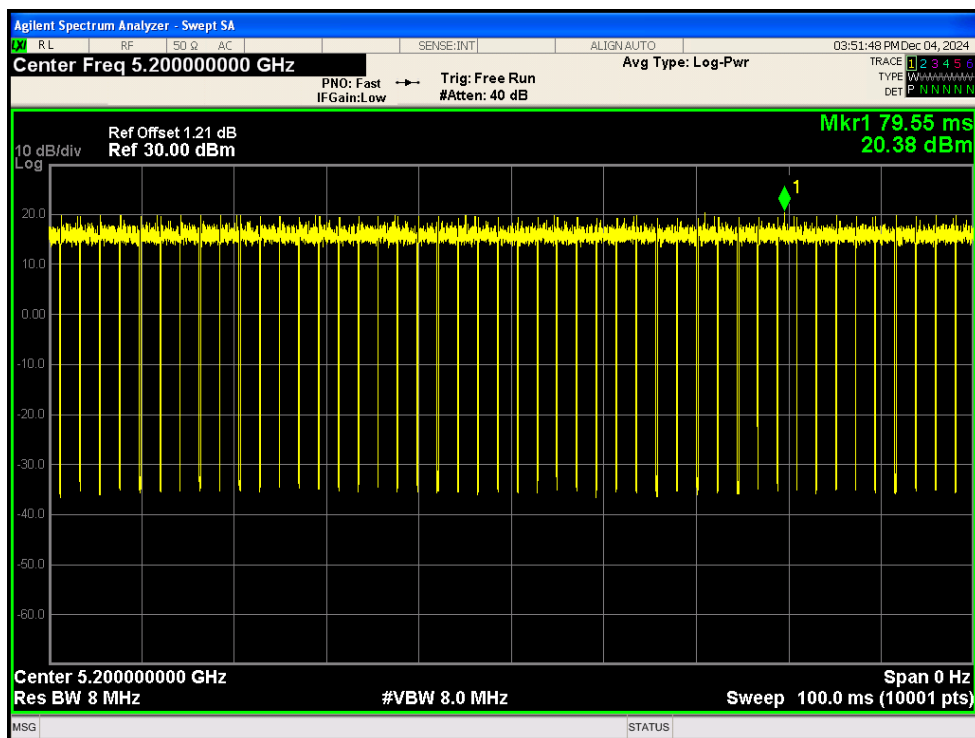
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	95.75	0.19
NVNT	a	5200	Ant1	95.05	0.22
NVNT	a	5240	Ant1	95.21	0.21
NVNT	ac20	5180	Ant1	94.8	0.23
NVNT	ac20	5200	Ant1	95.67	0.19
NVNT	ac20	5240	Ant1	92.88	0.32
NVNT	ac40	5190	Ant1	91.55	0.38
NVNT	ac40	5230	Ant1	90.39	0.44
NVNT	ax20	5180	Ant1	93.31	0.3
NVNT	ax20	5200	Ant1	94.25	0.26
NVNT	ax20	5240	Ant1	93.12	0.31
NVNT	ax40	5190	Ant1	88.87	0.51
NVNT	ax40	5230	Ant1	89.29	0.49
NVNT	n20	5180	Ant1	95.07	0.22
NVNT	n20	5200	Ant1	92.12	0.36
NVNT	n20	5240	Ant1	94.65	0.24
NVNT	n40	5190	Ant1	90.47	0.43
NVNT	n40	5230	Ant1	90.21	0.45

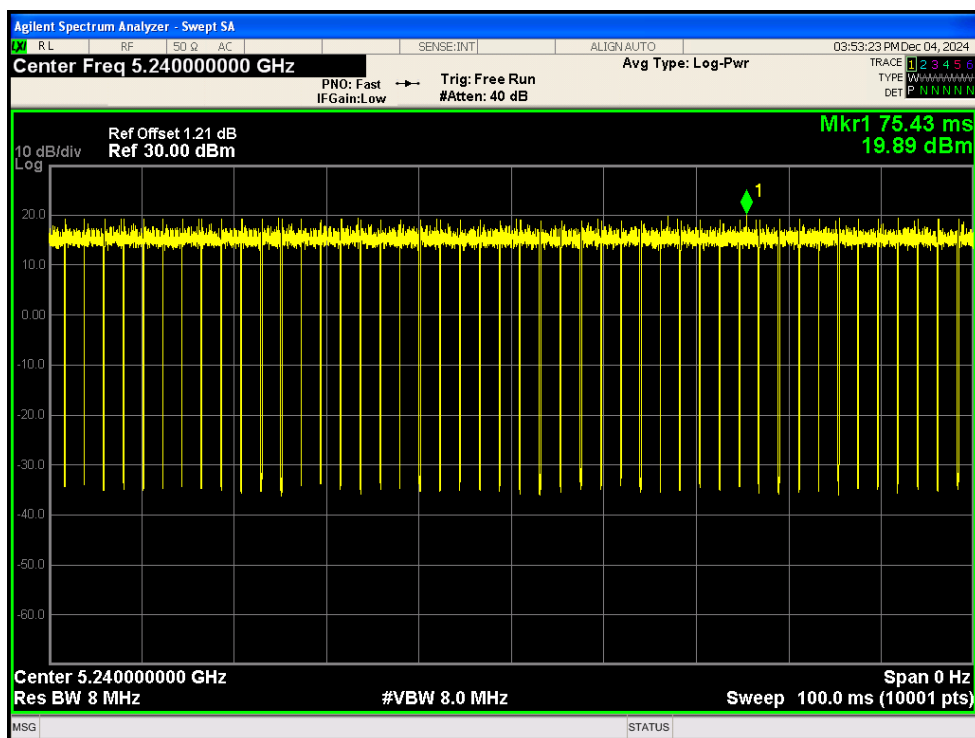
Duty Cycle NVNT a 5180MHz Ant1



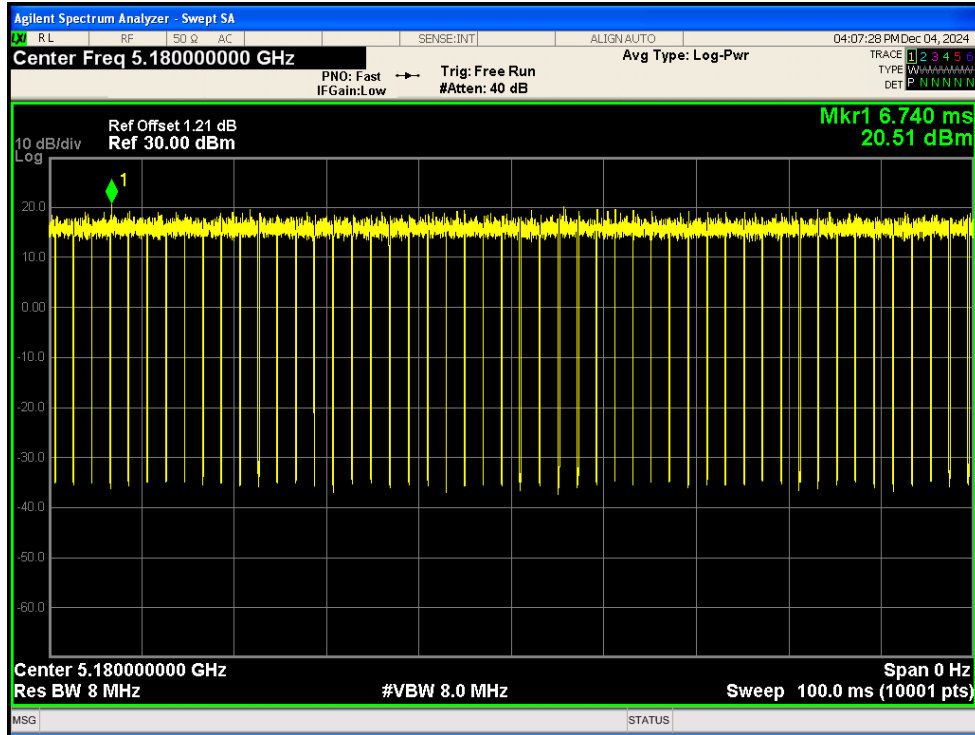
Duty Cycle NVNT a 5200MHz Ant1



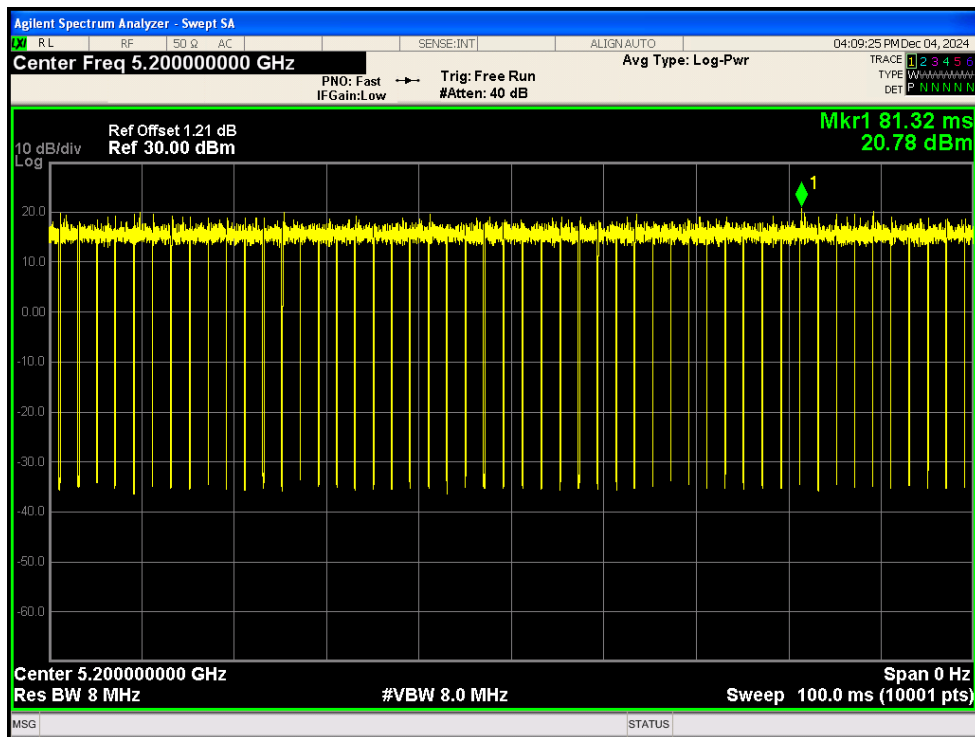
Duty Cycle NVNT a 5240MHz Ant1



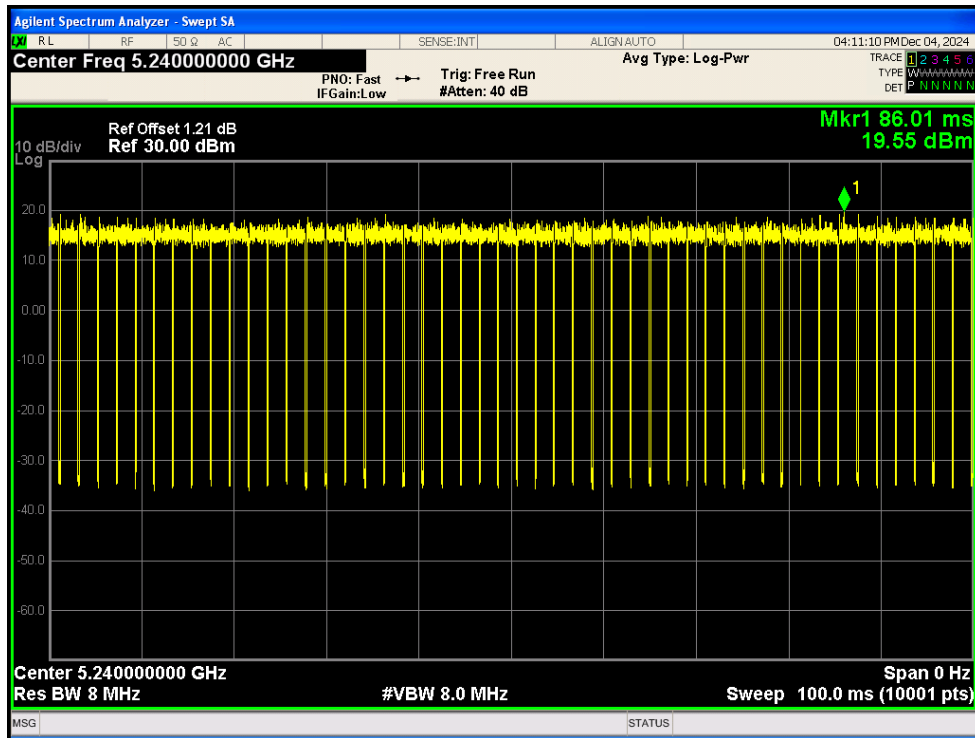
Duty Cycle NVNT ac20 5180MHz Ant1



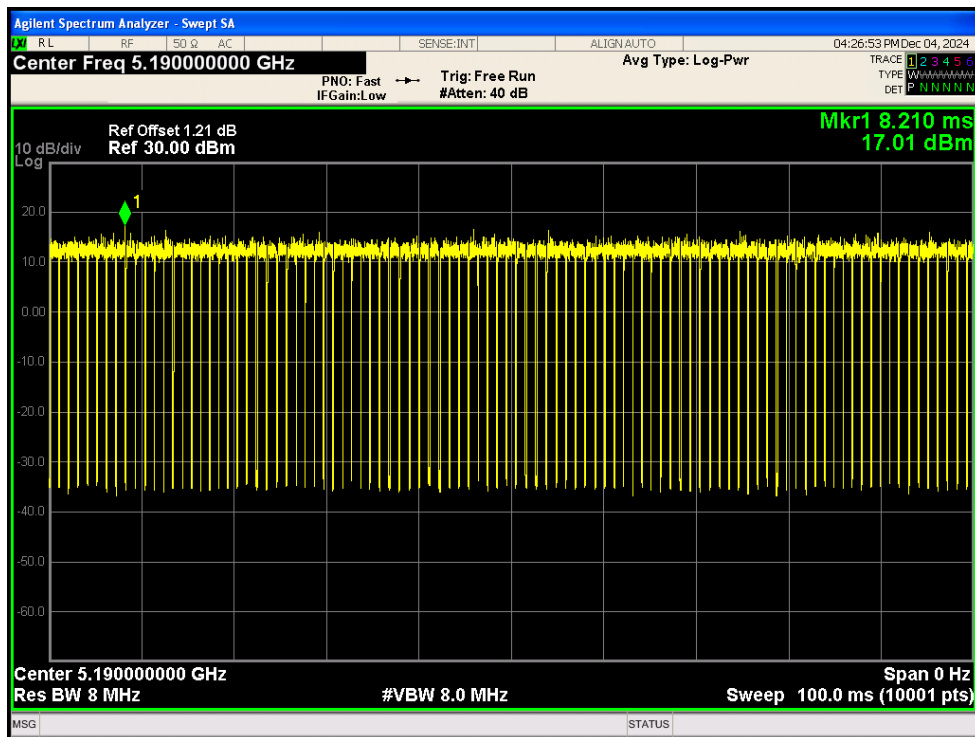
Duty Cycle NVNT ac20 5200MHz Ant1



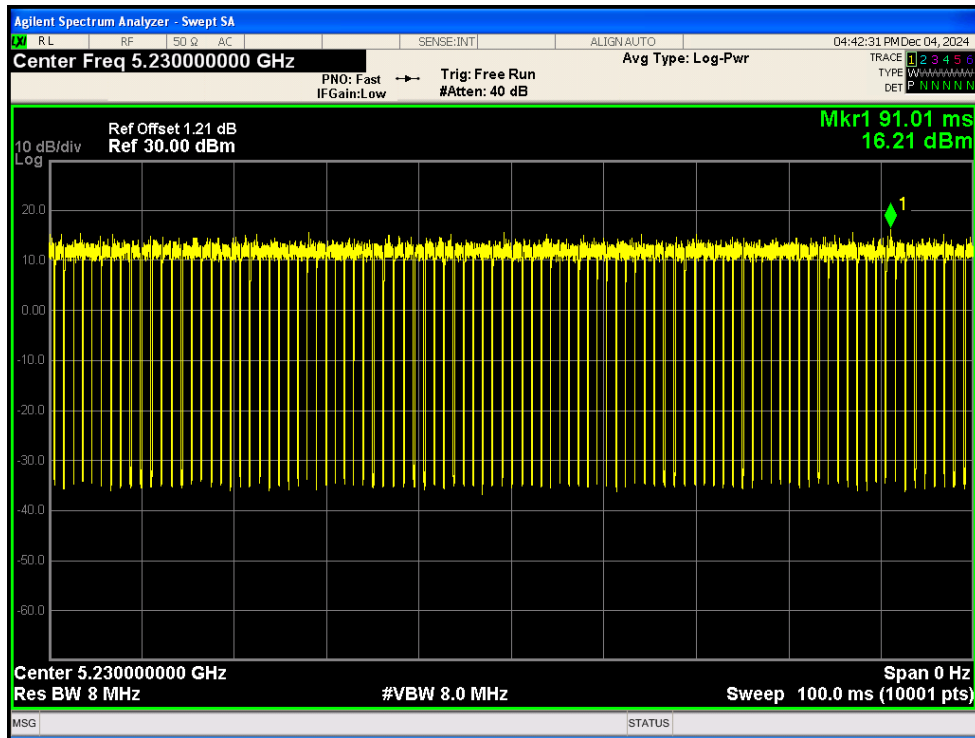
Duty Cycle NVNT ac20 5240MHz Ant1



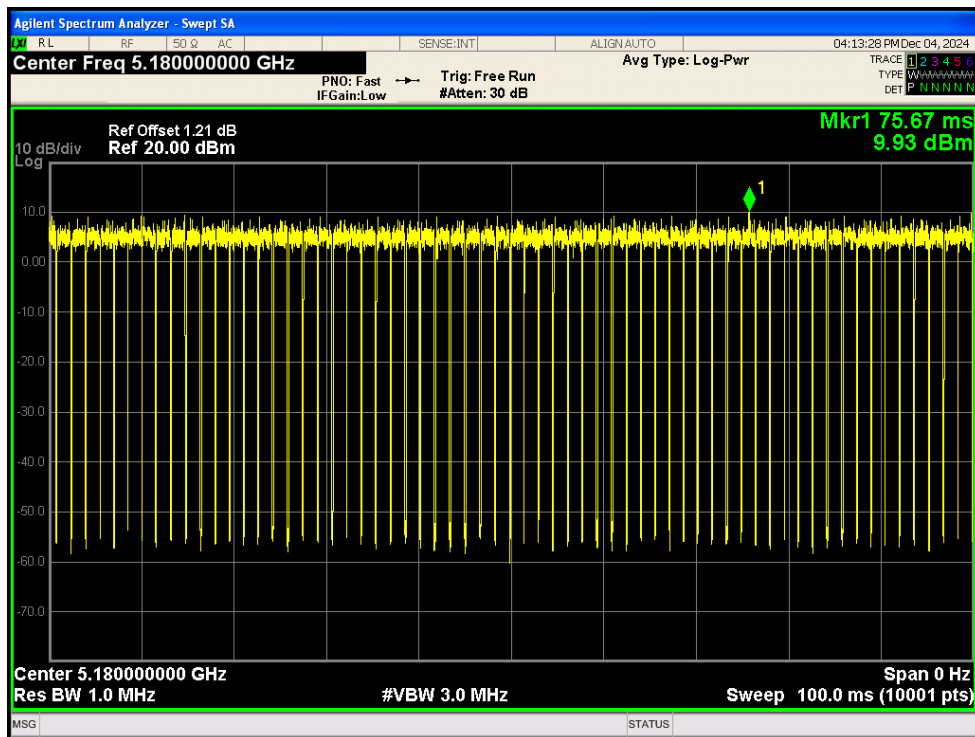
Duty Cycle NVNT ac40 5190MHz Ant1



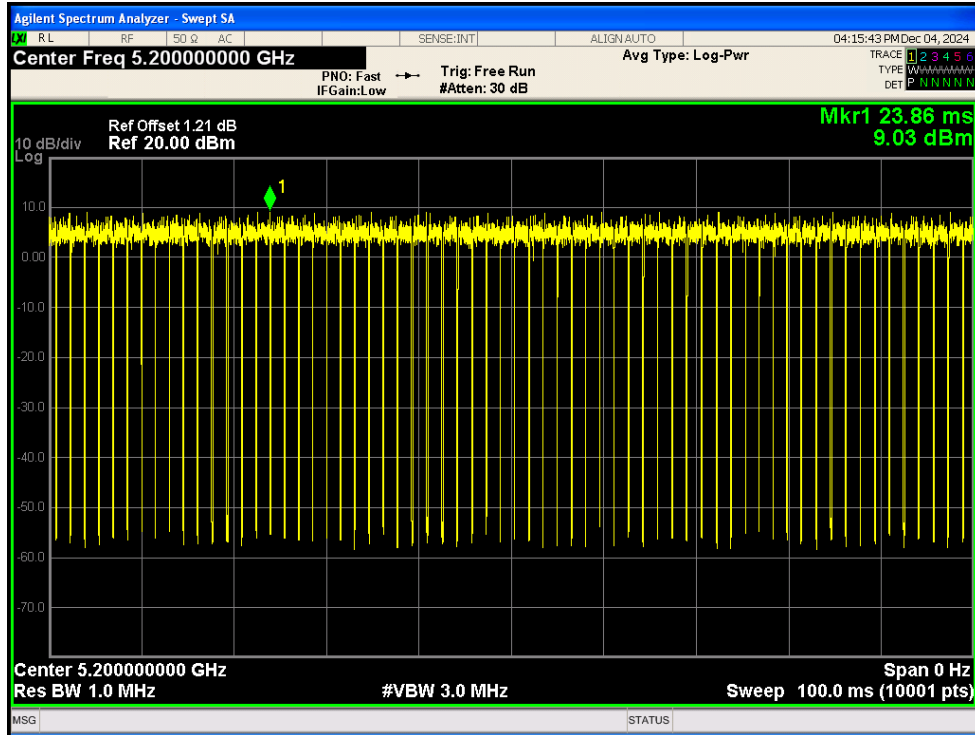
Duty Cycle NVNT ac40 5230MHz Ant1



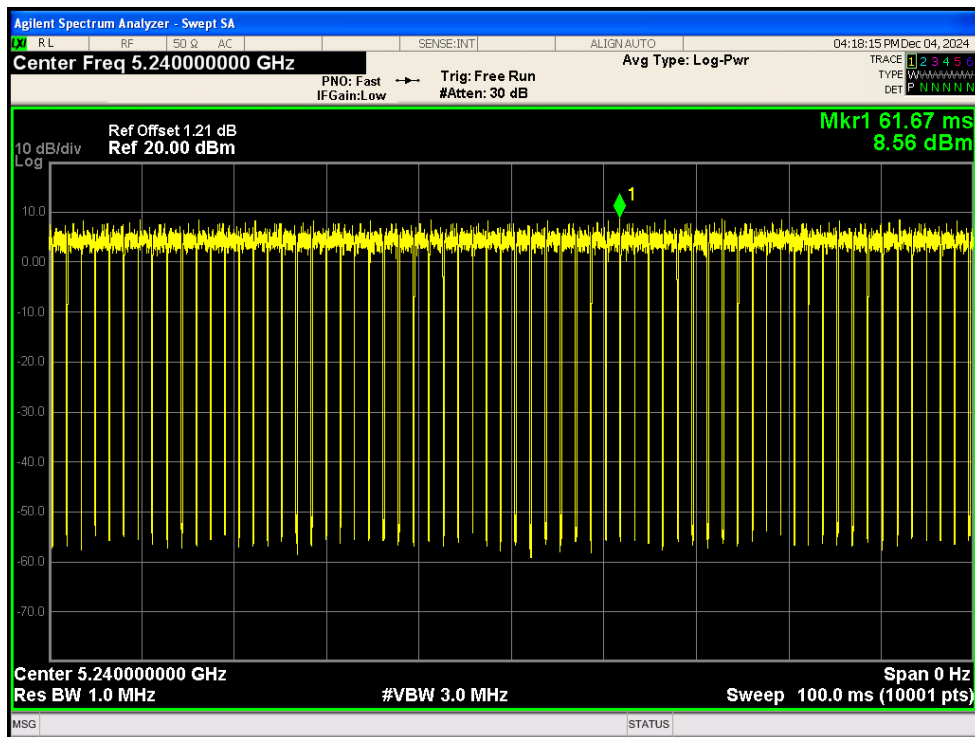
Duty Cycle NVNT ax20 5180MHz Ant1



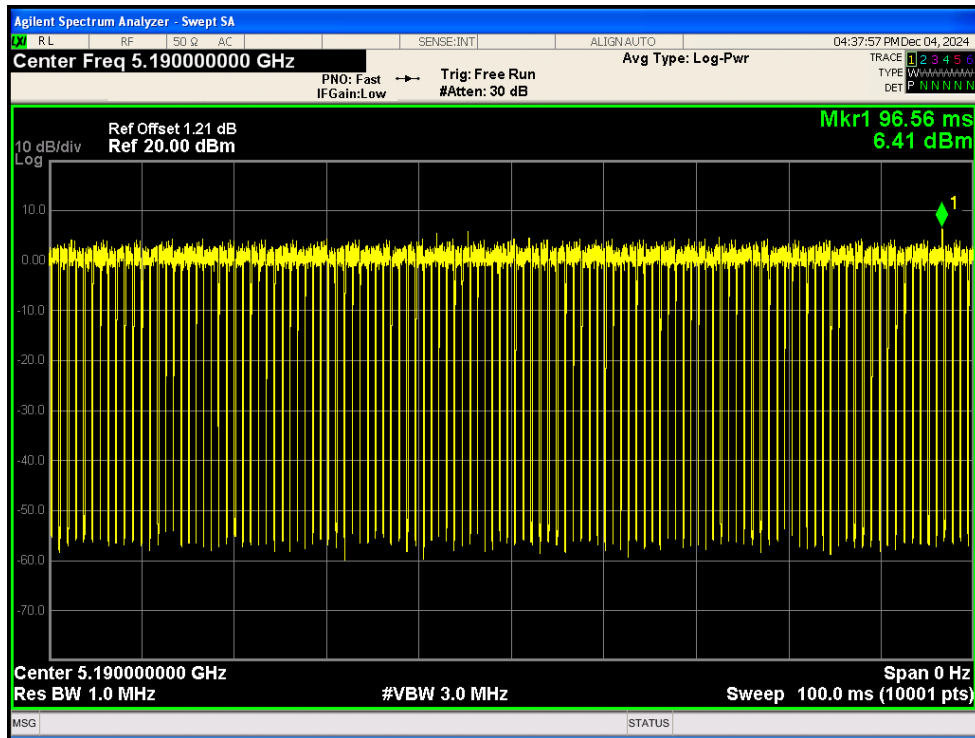
Duty Cycle NVNT ax20 5200MHz Ant1



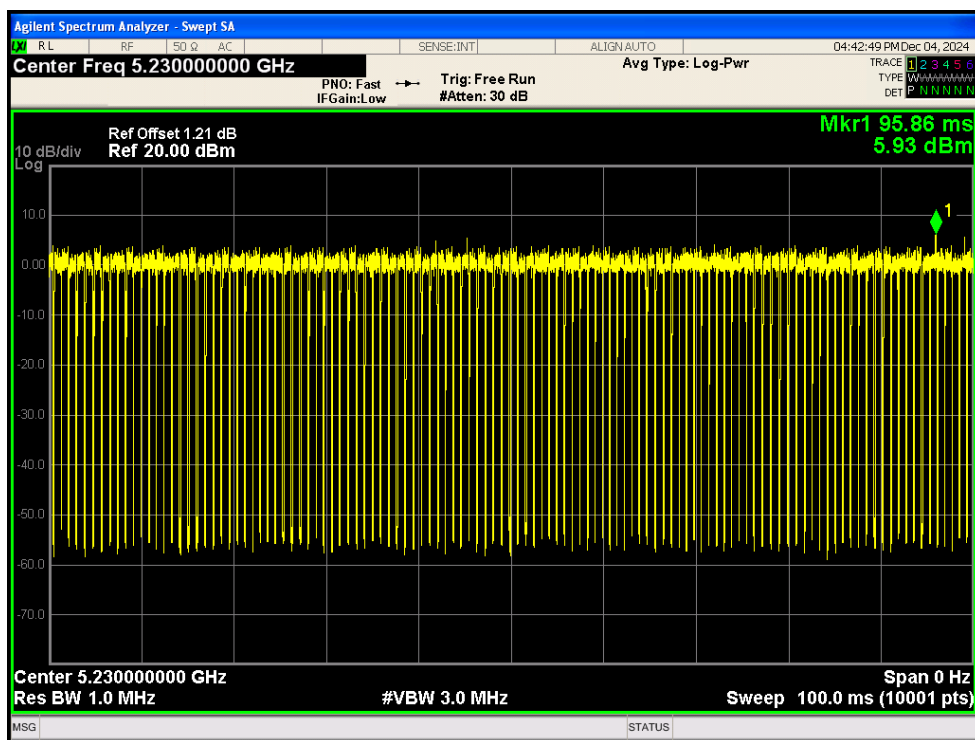
Duty Cycle NVNT ax20 5240MHz Ant1



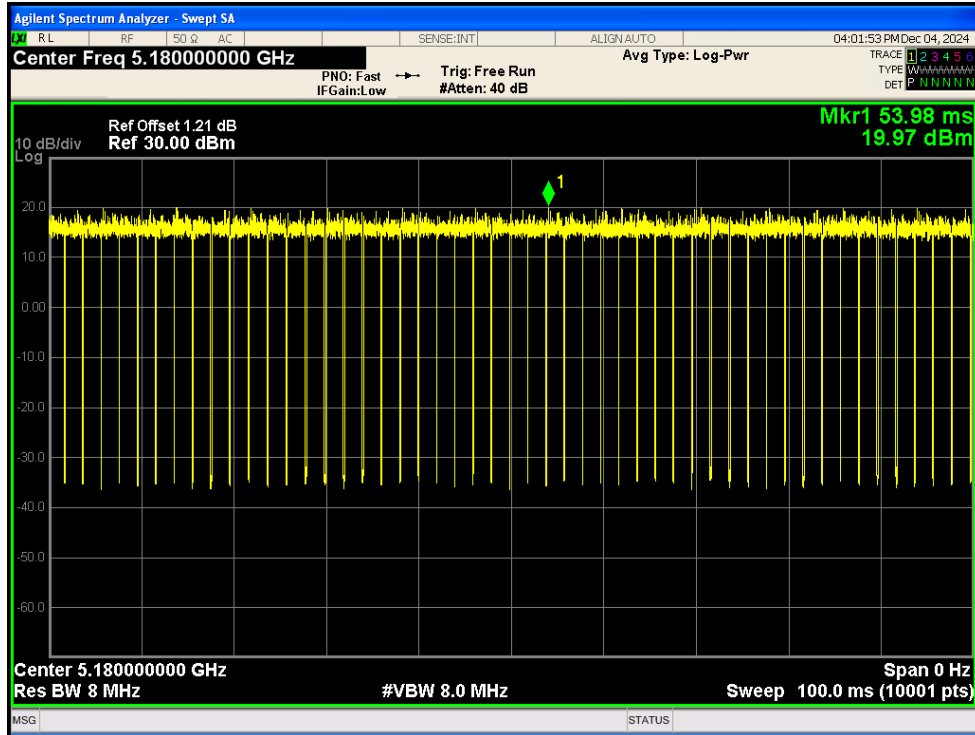
Duty Cycle NVNT ax40 5190MHz Ant1



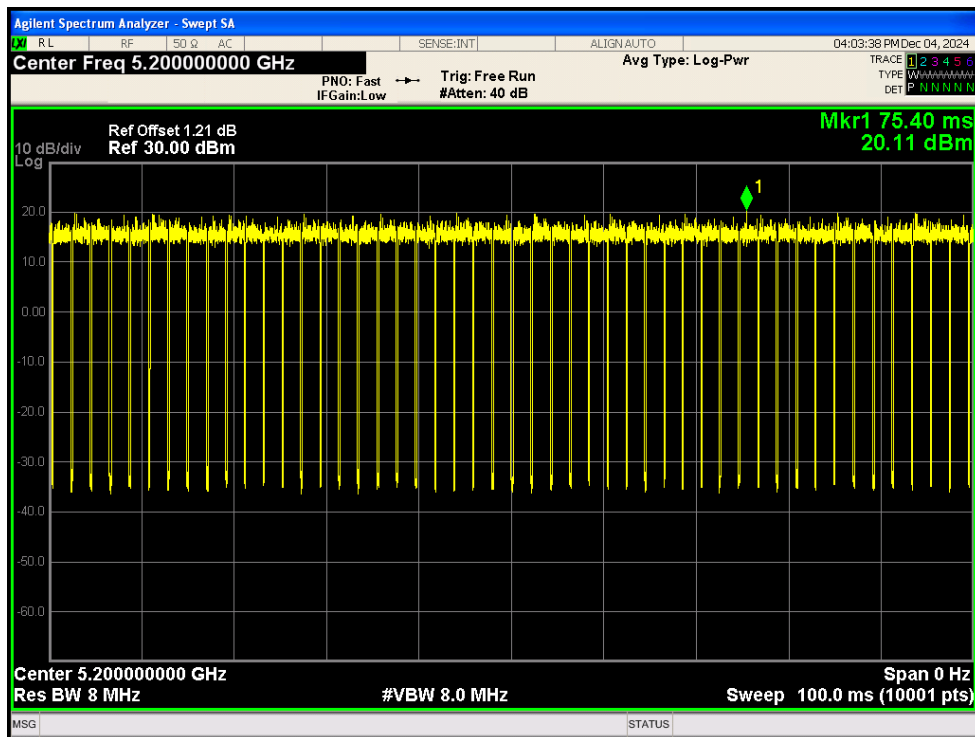
Duty Cycle NVNT ax40 5230MHz Ant1



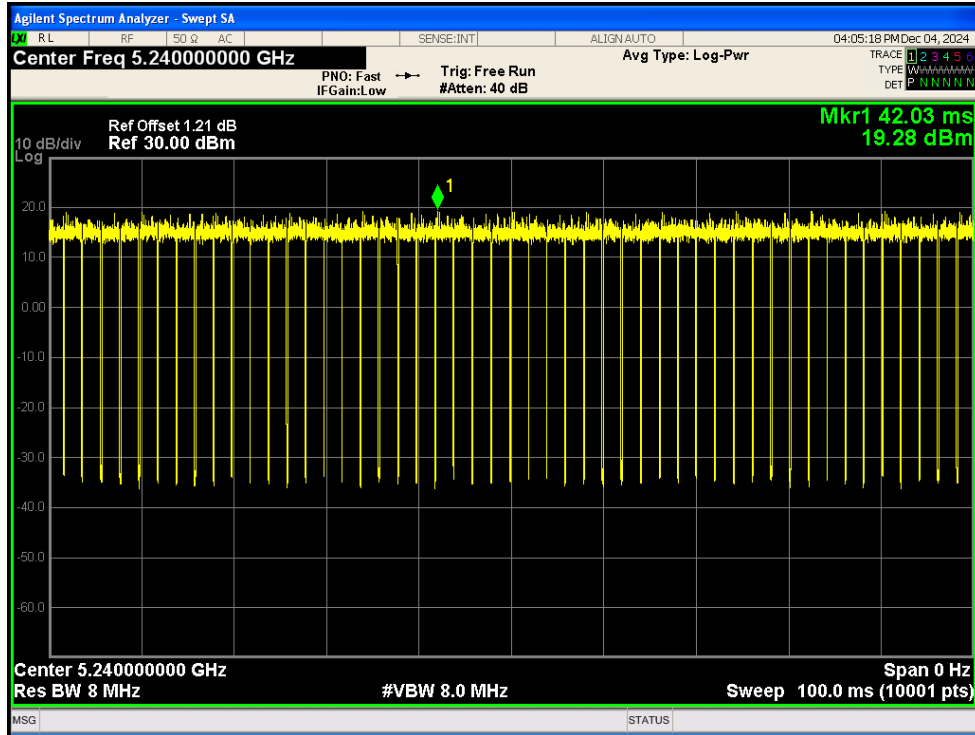
Duty Cycle NVNT n20 5180MHz Ant1



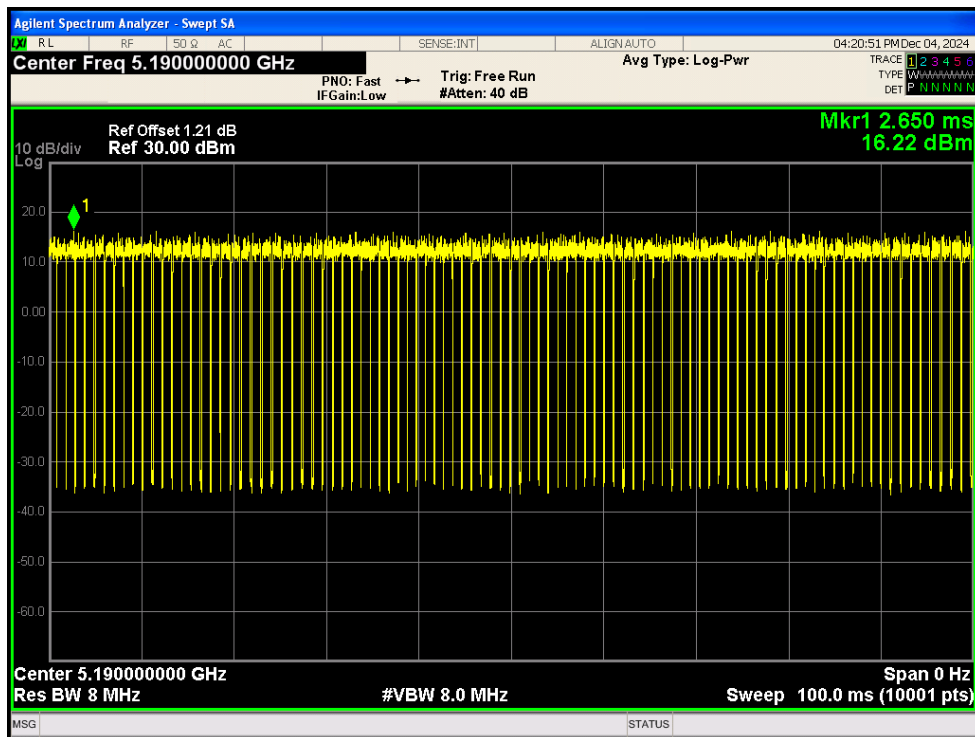
Duty Cycle NVNT n20 5200MHz Ant1



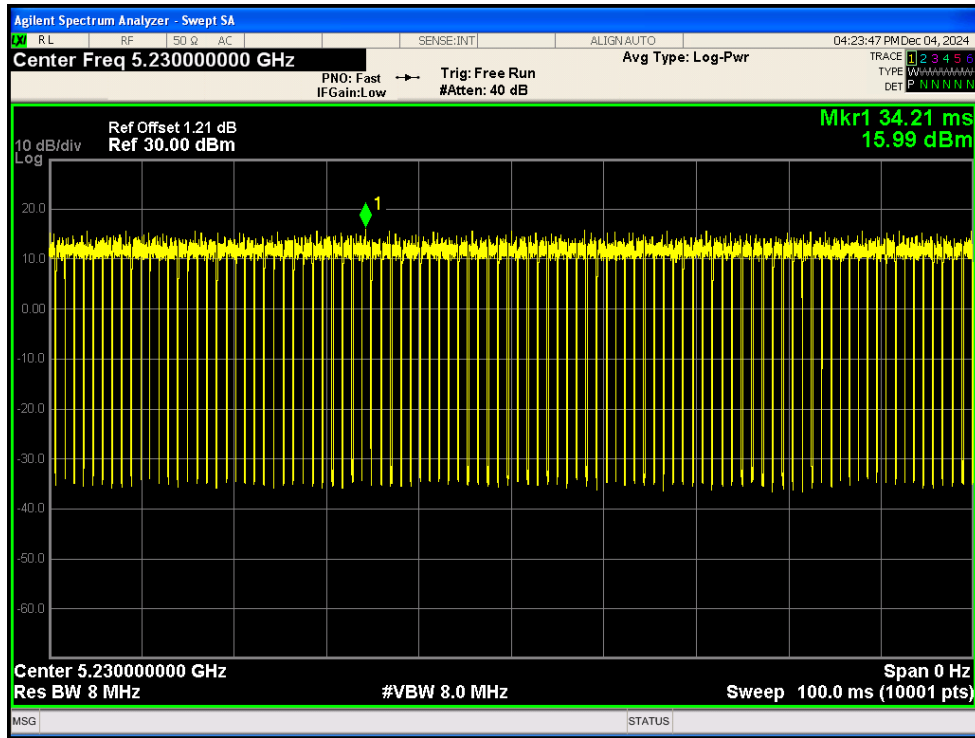
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



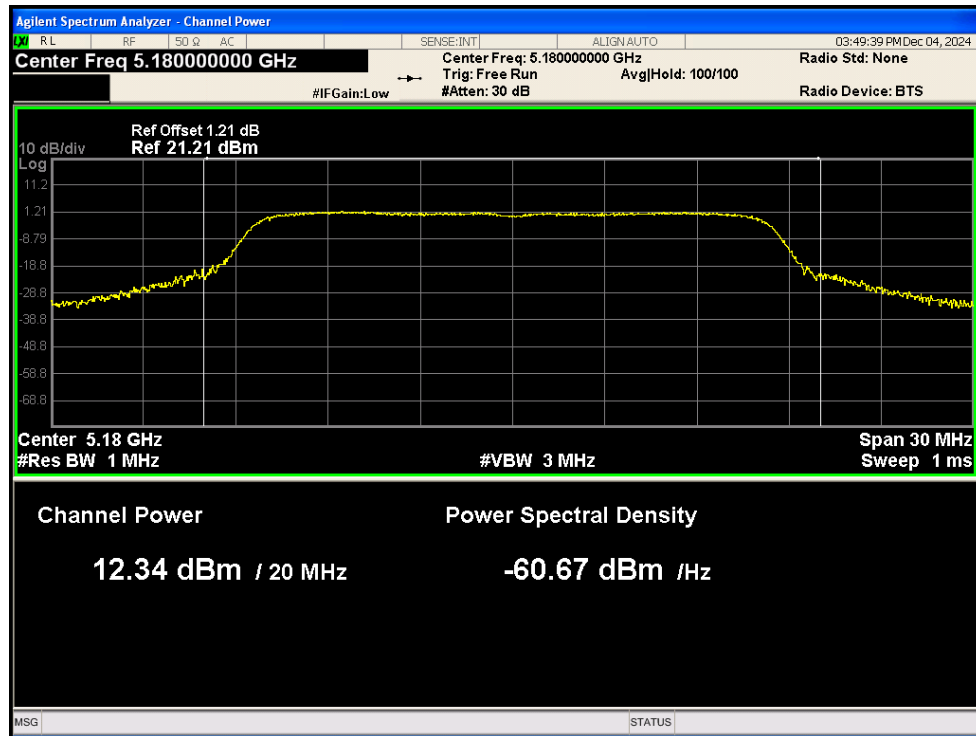
Duty Cycle NVNT n40 5230MHz Ant1



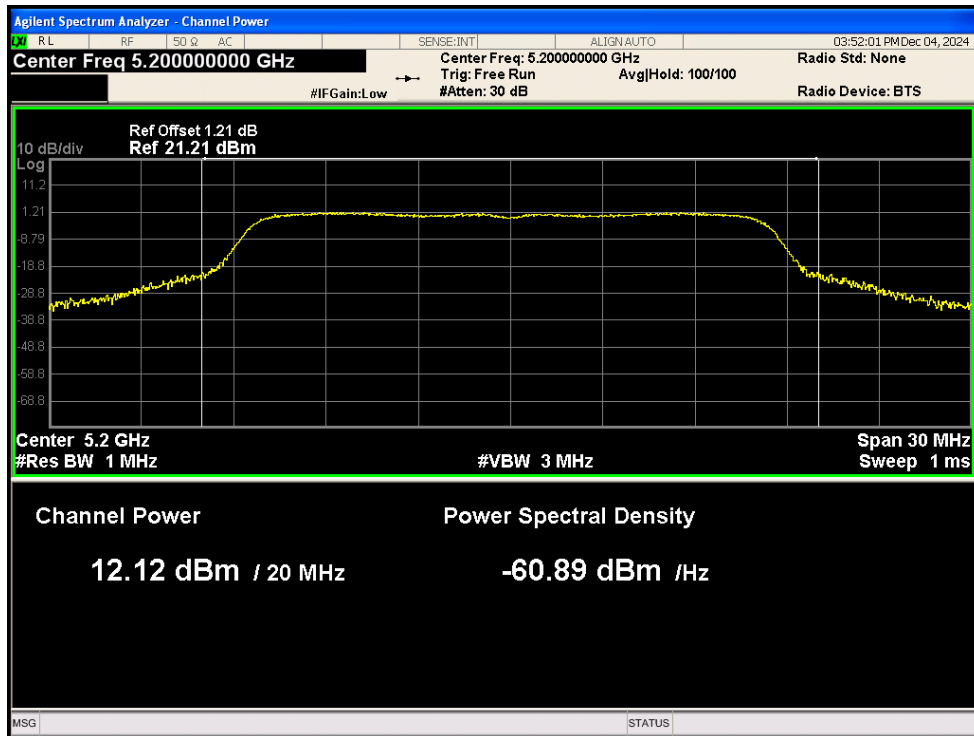
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.341	0.19	12.531	24	Pass
NVNT	a	5200	Ant1	12.122	0.22	12.342	24	Pass
NVNT	a	5240	Ant1	11.515	0.21	11.725	24	Pass
NVNT	ac20	5180	Ant1	12.229	0.23	12.459	24	Pass
NVNT	ac20	5200	Ant1	11.929	0.19	12.119	24	Pass
NVNT	ac20	5240	Ant1	11.417	0.32	11.737	24	Pass
NVNT	ac40	5190	Ant1	11.938	0.38	12.318	24	Pass
NVNT	ac40	5230	Ant1	11.264	0.44	11.704	24	Pass
NVNT	ax20	5180	Ant1	12.042	0.3	12.342	24	Pass
NVNT	ax20	5200	Ant1	11.845	0.26	12.105	24	Pass
NVNT	ax20	5240	Ant1	11.287	0.31	11.597	23	Pass
NVNT	ax40	5190	Ant1	11.778	0.51	12.288	24	Pass
NVNT	ax40	5230	Ant1	11.224	0.49	11.714	24	Pass
NVNT	n20	5180	Ant1	12.238	0.22	12.458	24	Pass
NVNT	n20	5200	Ant1	11.981	0.36	12.341	24	Pass
NVNT	n20	5240	Ant1	11.423	0.24	11.663	24	Pass
NVNT	n40	5190	Ant1	11.855	0.43	12.285	24	Pass
NVNT	n40	5230	Ant1	11.237	0.45	11.687	24	Pass

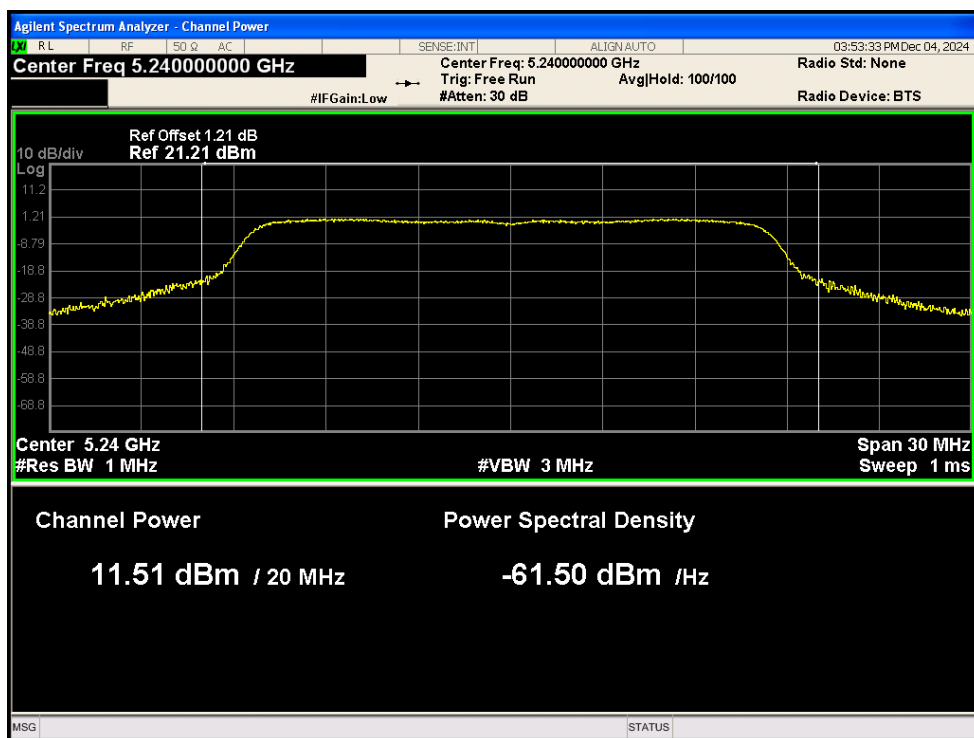
Power NVNT a 5180MHz Ant1



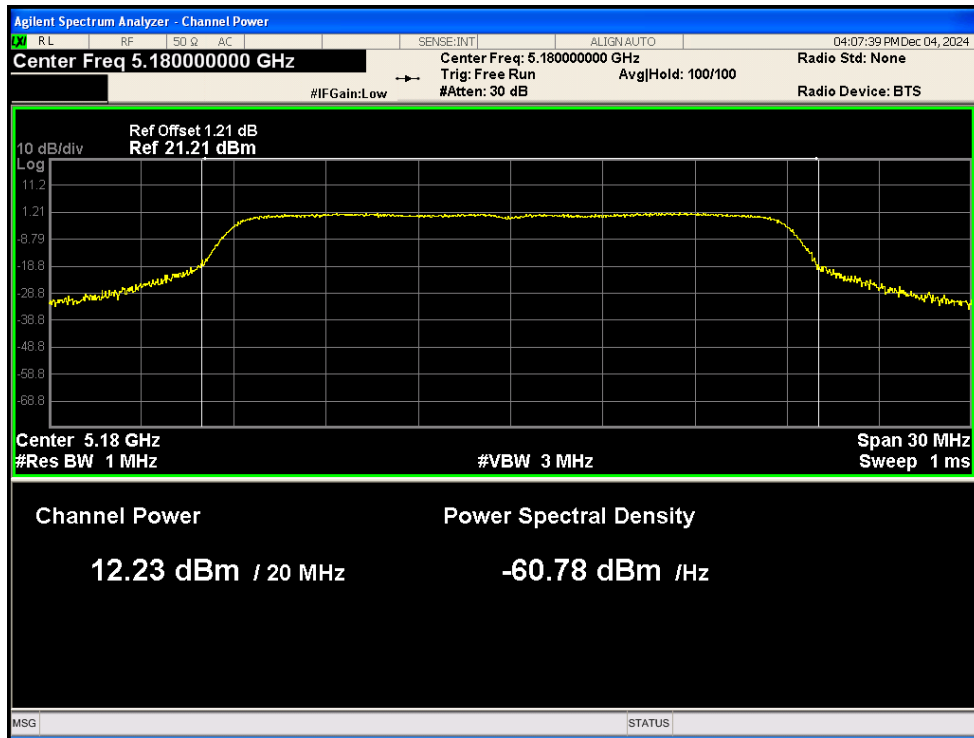
Power NVNT a 5200MHz Ant1



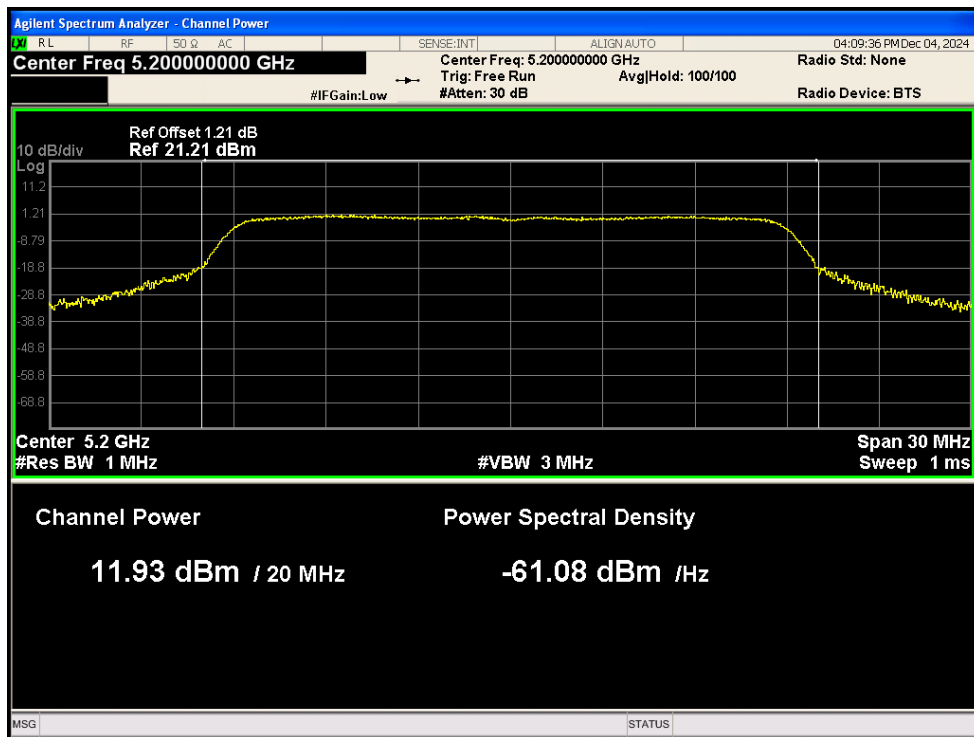
Power NVNT a 5240MHz Ant1



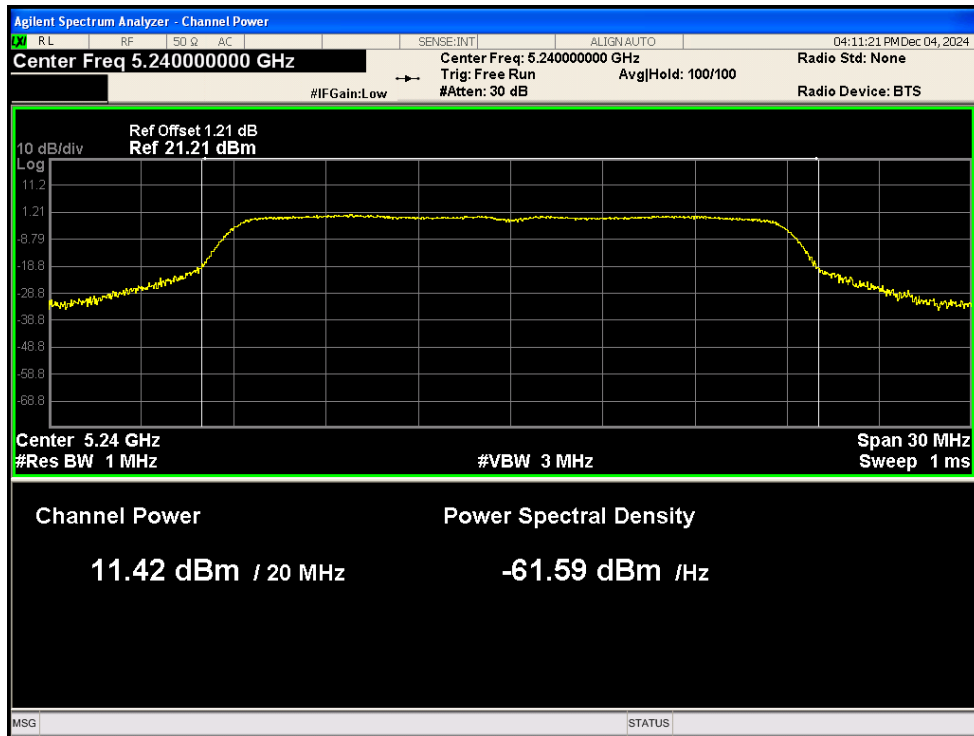
Power NVNT ac20 5180MHz Ant1



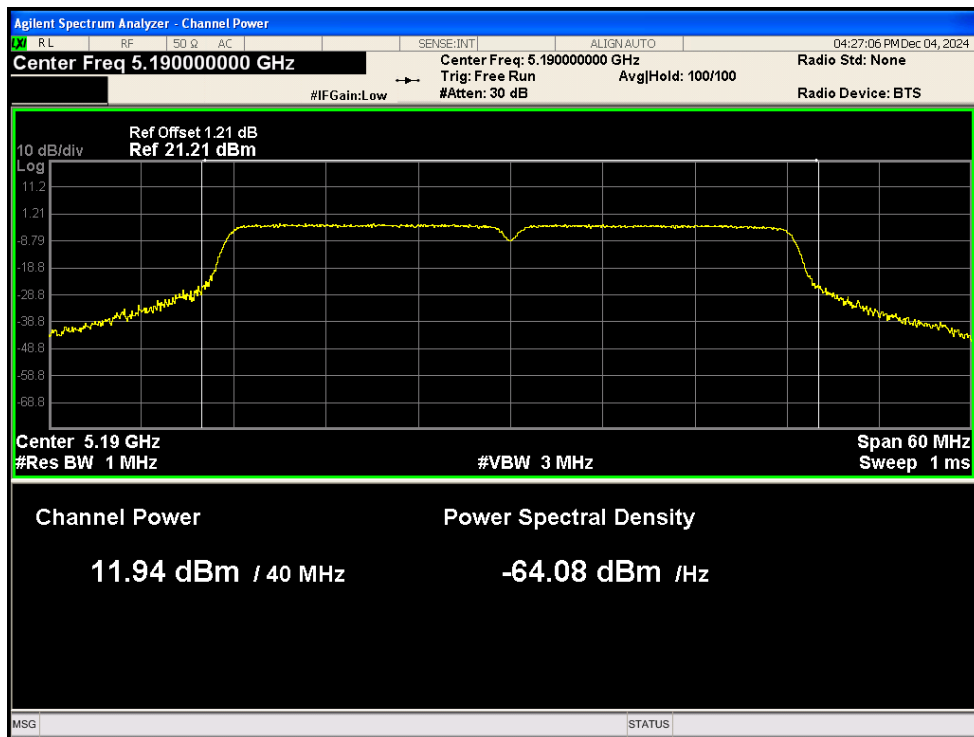
Power NVNT ac20 5200MHz Ant1



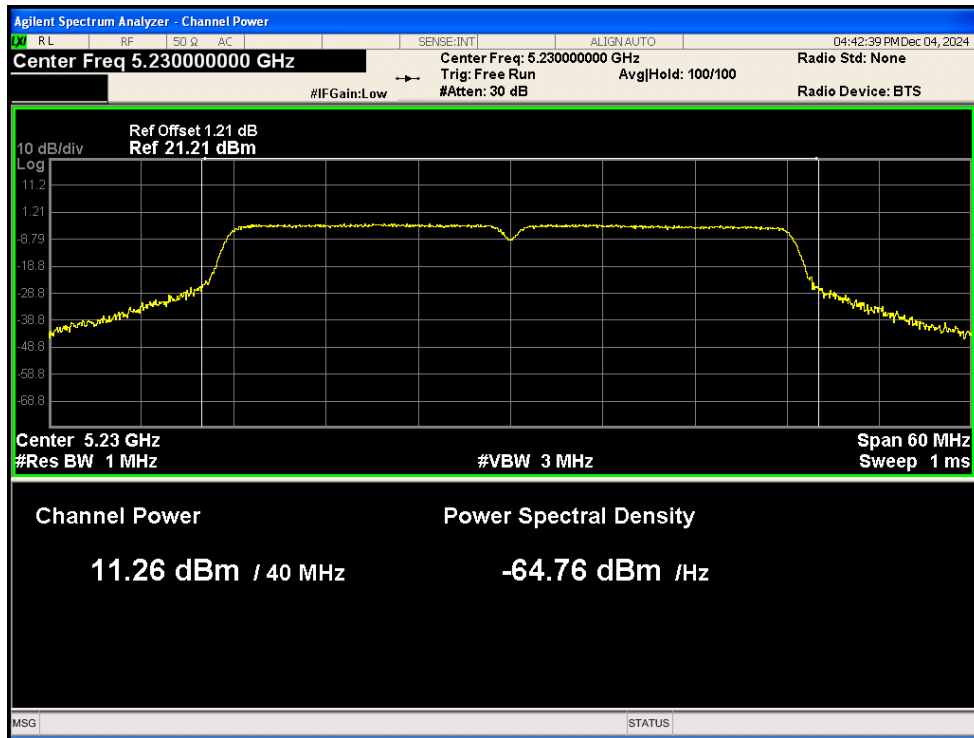
Power NVNT ac20 5240MHz Ant1



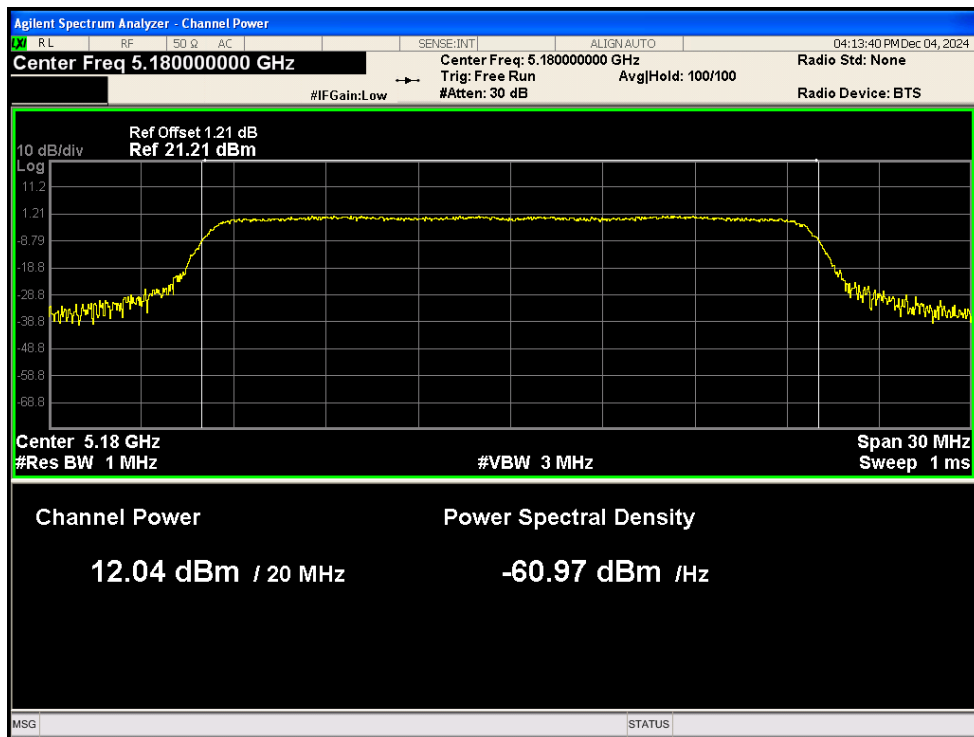
Power NVNT ac40 5190MHz Ant1



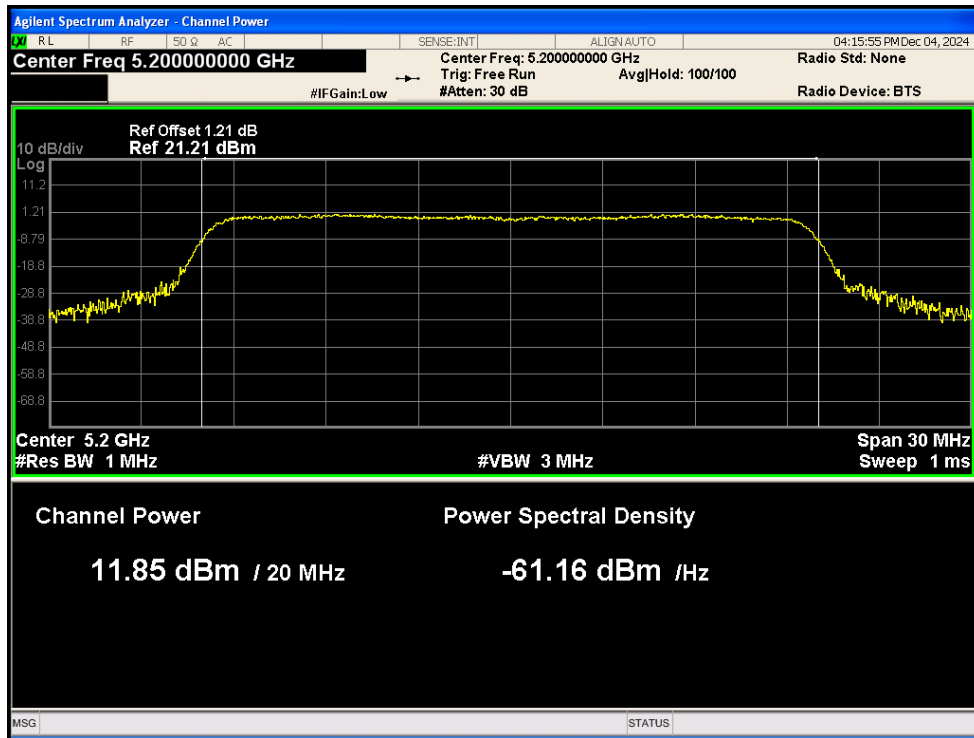
Power NVNT ac40 5230MHz Ant1



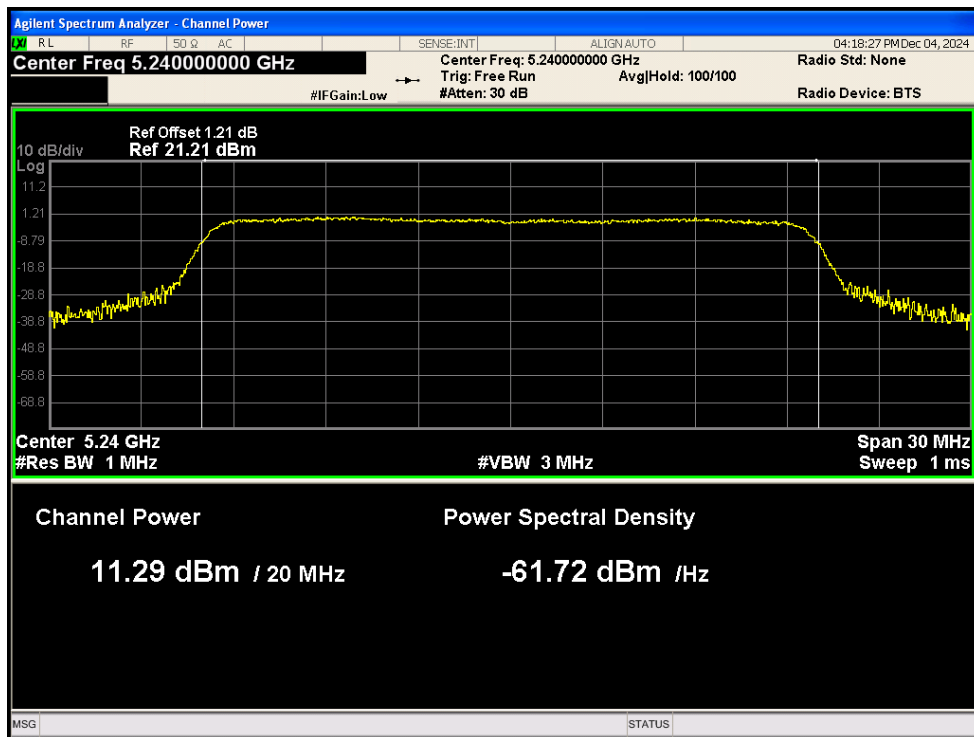
Power NVNT ax20 5180MHz Ant1



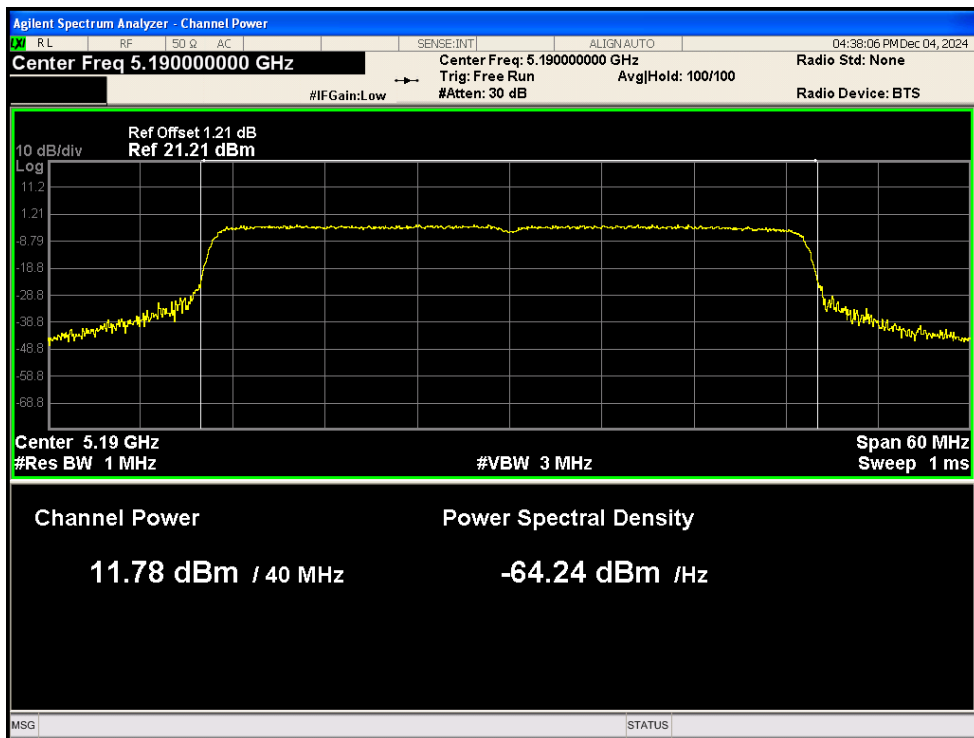
Power NVNT ax20 5200MHz Ant1



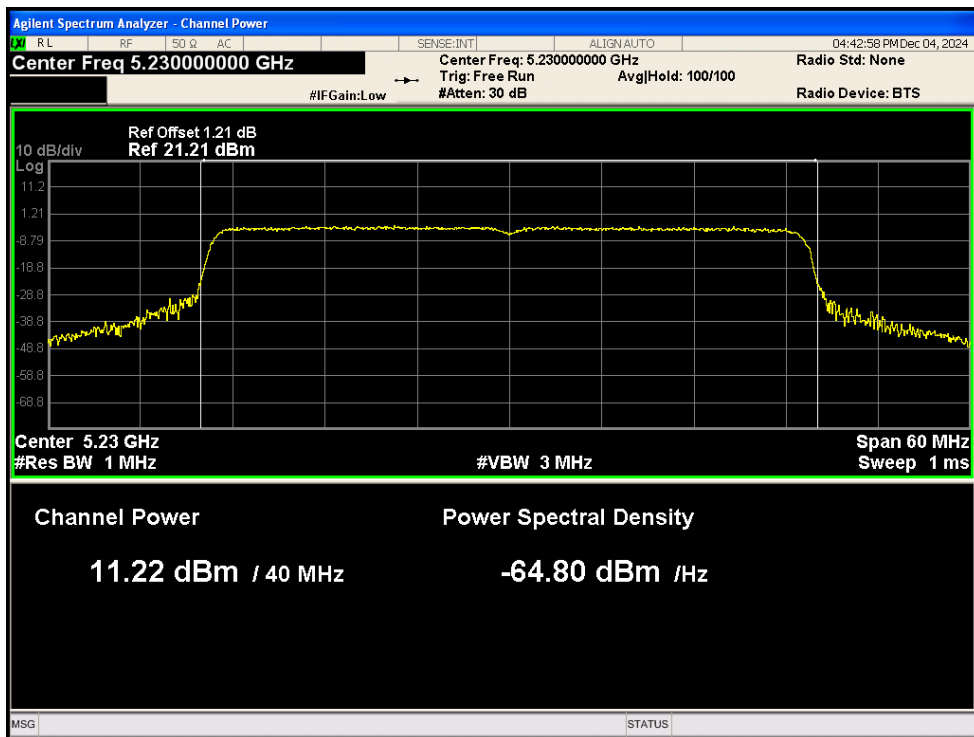
Power NVNT ax20 5240MHz Ant1



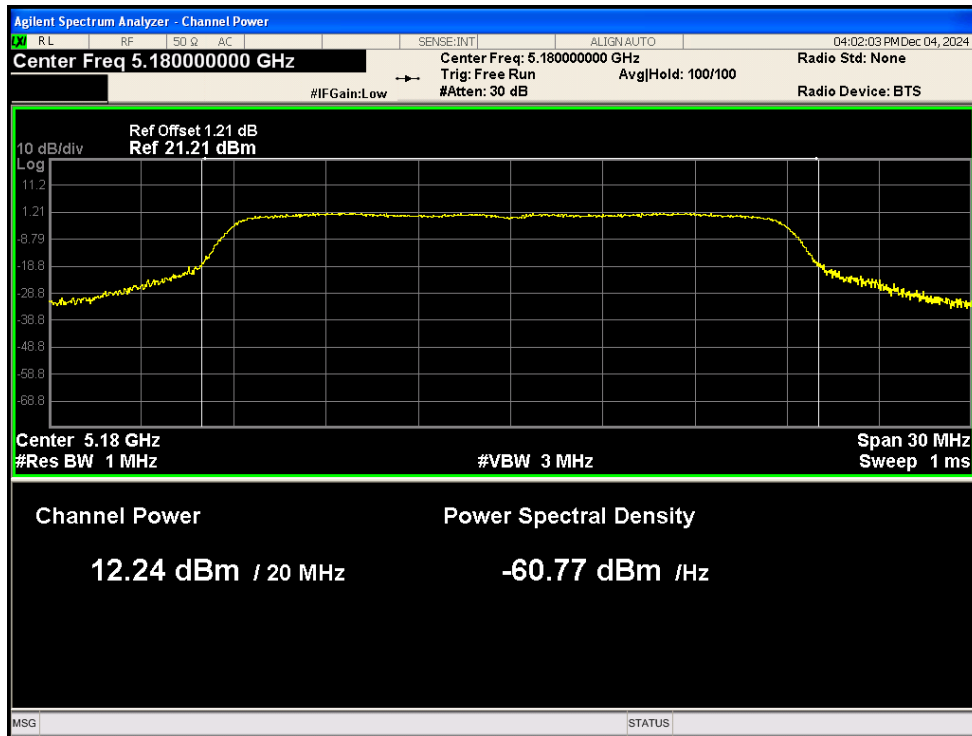
Power NVNT ax40 5190MHz Ant1



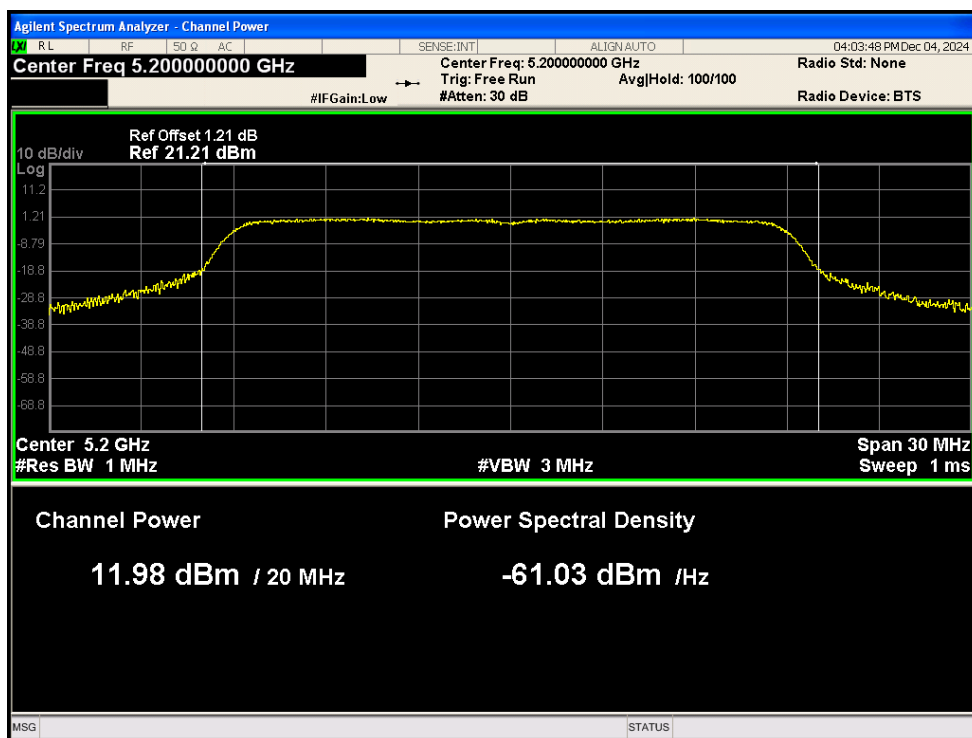
Power NVNT ax40 5230MHz Ant1



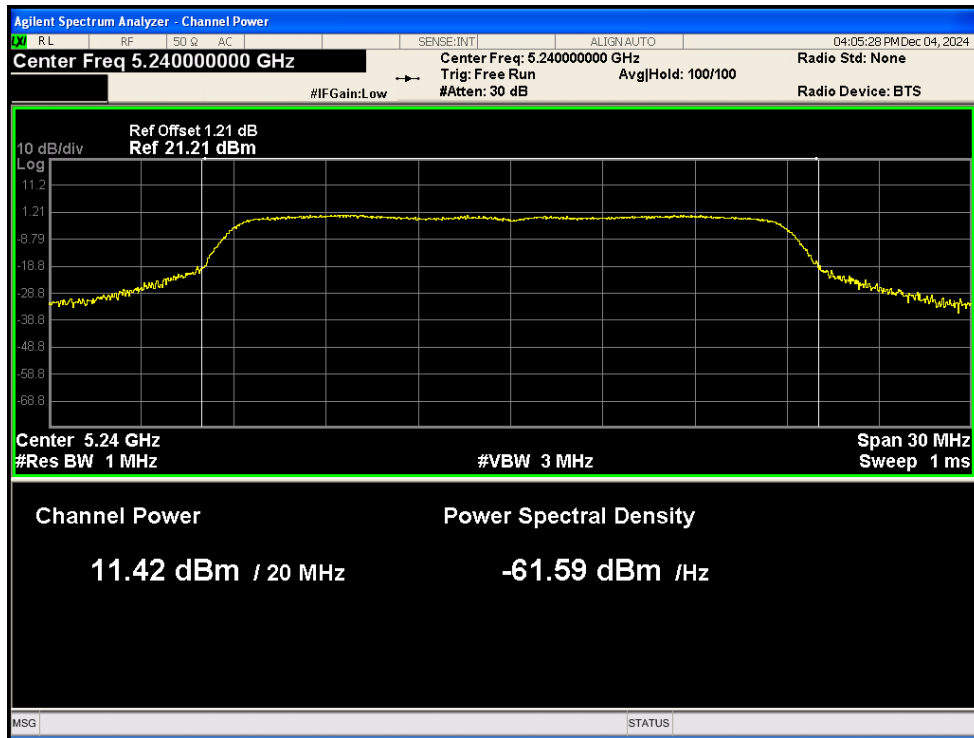
Power NVNT n20 5180MHz Ant1



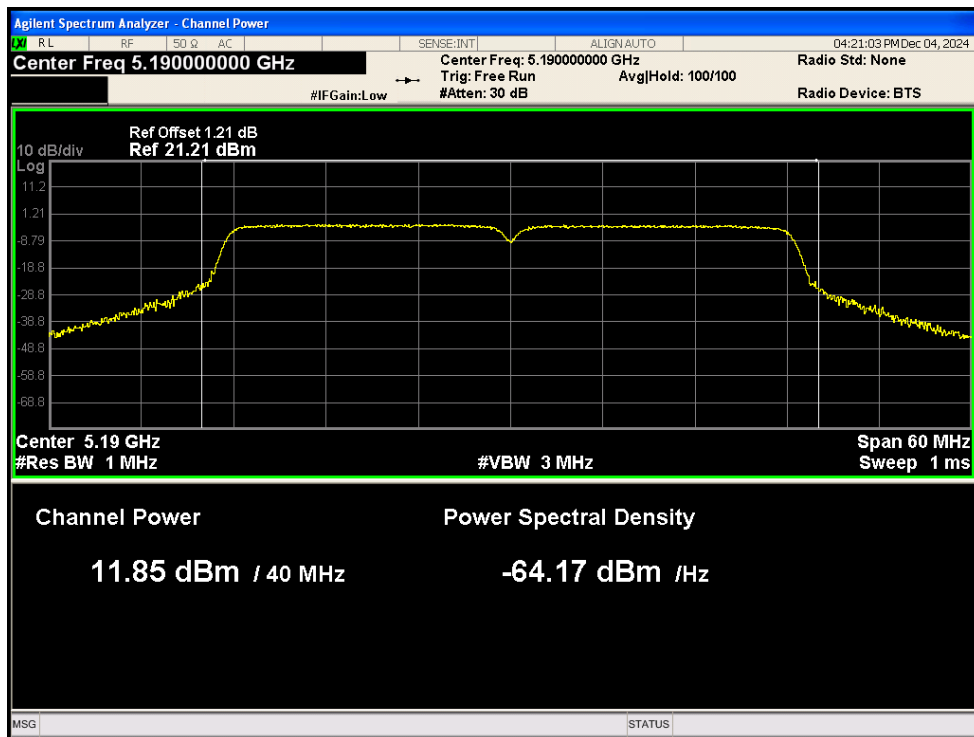
Power NVNT n20 5200MHz Ant1



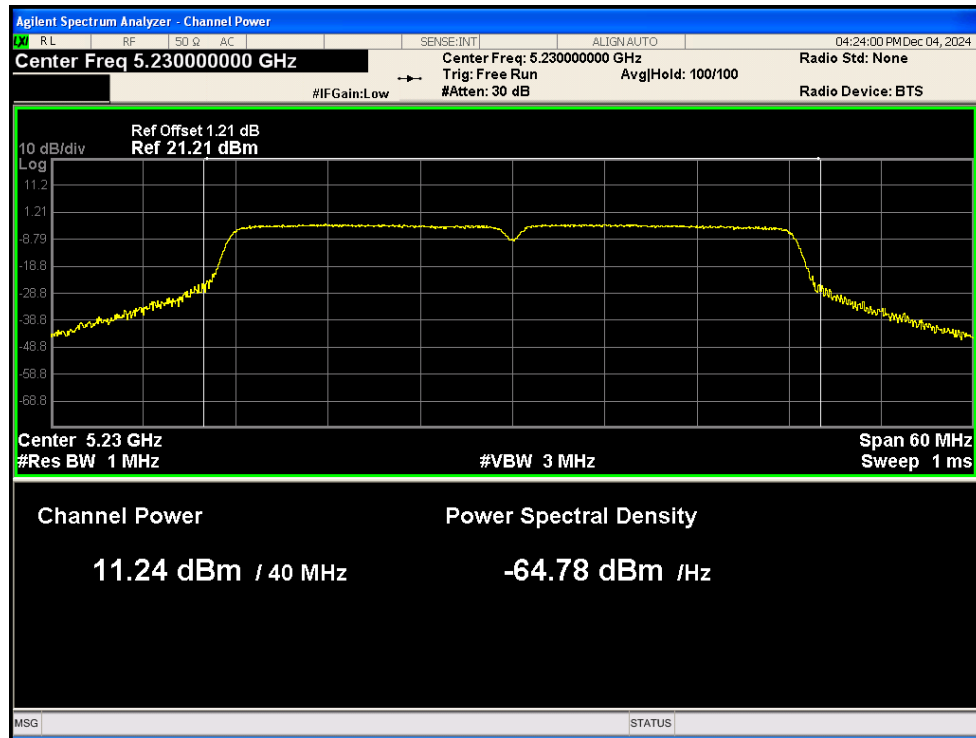
Power NVNT n20 5240MHz Ant1



Power NVNT n40 5190MHz Ant1



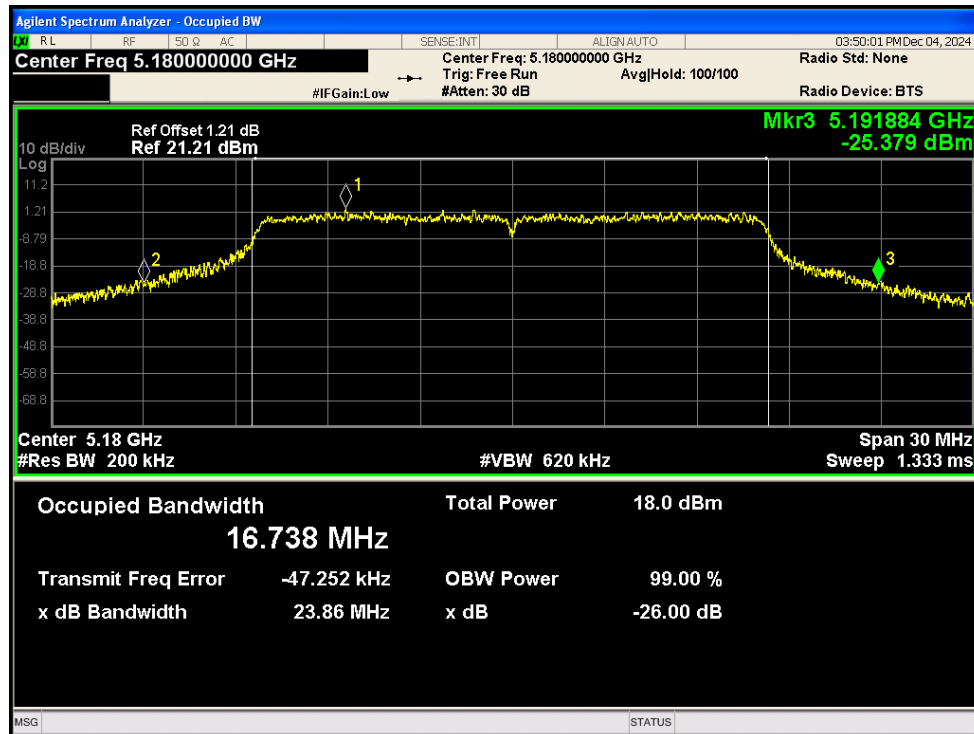
Power NVNT n40 5230MHz Ant1



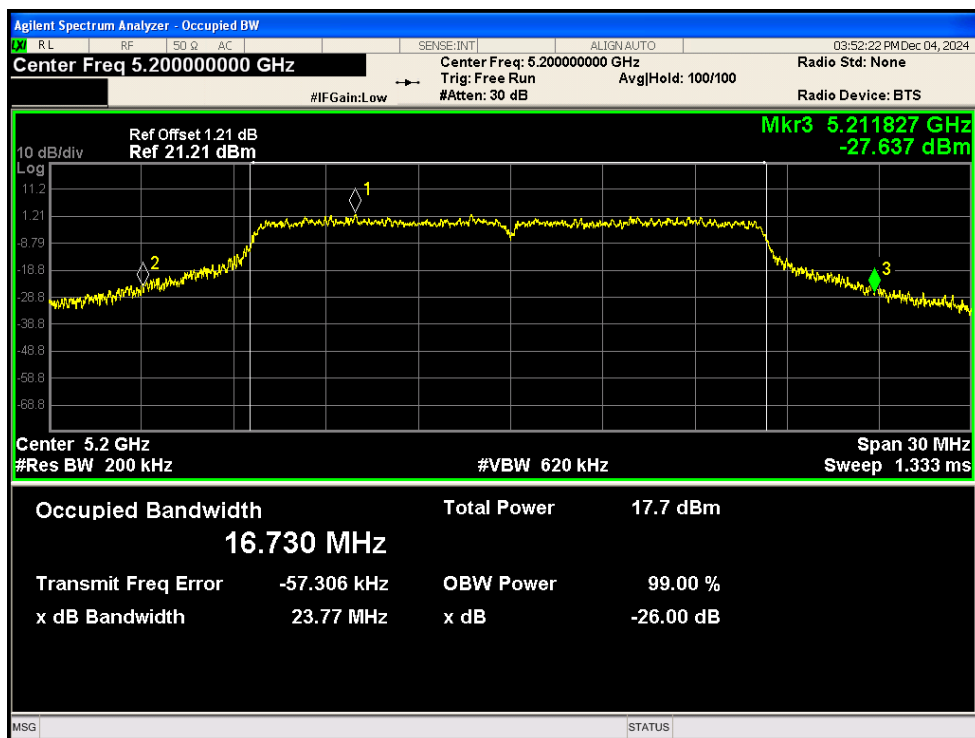
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	23.862	0.5	Pass
NVNT	a	5200	Ant1	23.769	0.5	Pass
NVNT	a	5240	Ant1	23.602	0.5	Pass
NVNT	ac20	5180	Ant1	24.075	0.5	Pass
NVNT	ac20	5200	Ant1	23.844	0.5	Pass
NVNT	ac20	5240	Ant1	23.972	0.5	Pass
NVNT	ac40	5190	Ant1	47.543	0.5	Pass
NVNT	ac40	5230	Ant1	47.187	0.5	Pass
NVNT	ax20	5180	Ant1	25.357	0.5	Pass
NVNT	ax20	5200	Ant1	25.017	0.5	Pass
NVNT	ax20	5240	Ant1	25.05	0.5	Pass
NVNT	ax40	5190	Ant1	45.249	0.5	Pass
NVNT	ax40	5230	Ant1	46.266	0.5	Pass
NVNT	n20	5180	Ant1	24.161	0.5	Pass
NVNT	n20	5200	Ant1	23.838	0.5	Pass
NVNT	n20	5240	Ant1	23.854	0.5	Pass
NVNT	n40	5190	Ant1	46.184	0.5	Pass
NVNT	n40	5230	Ant1	46.284	0.5	Pass

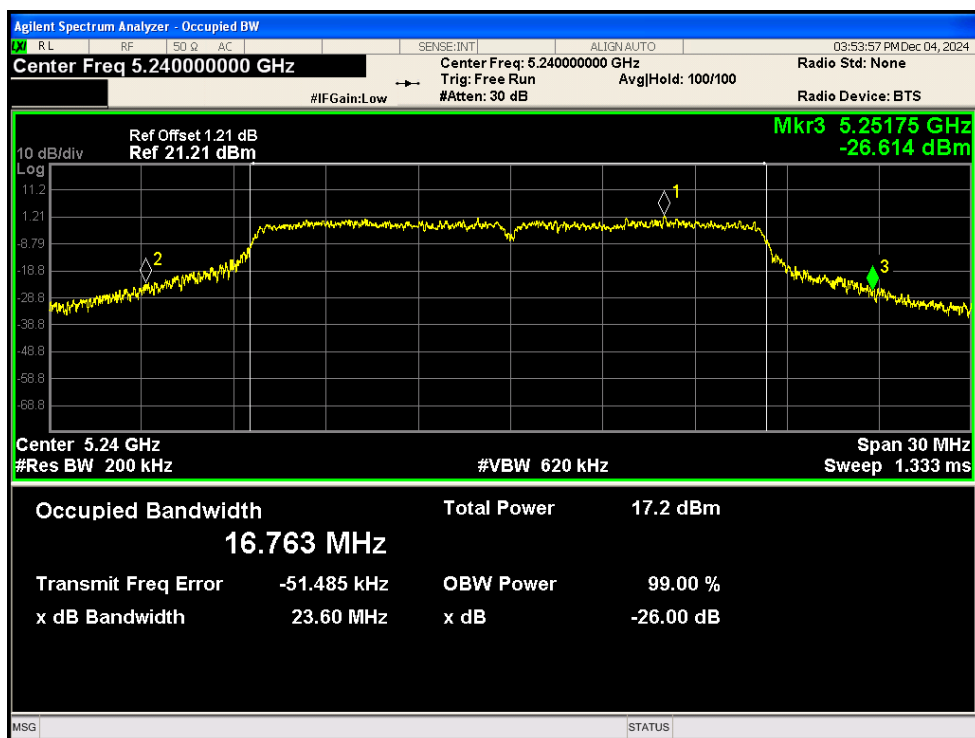
-26dB Bandwidth NVNT a 5180MHz Ant1



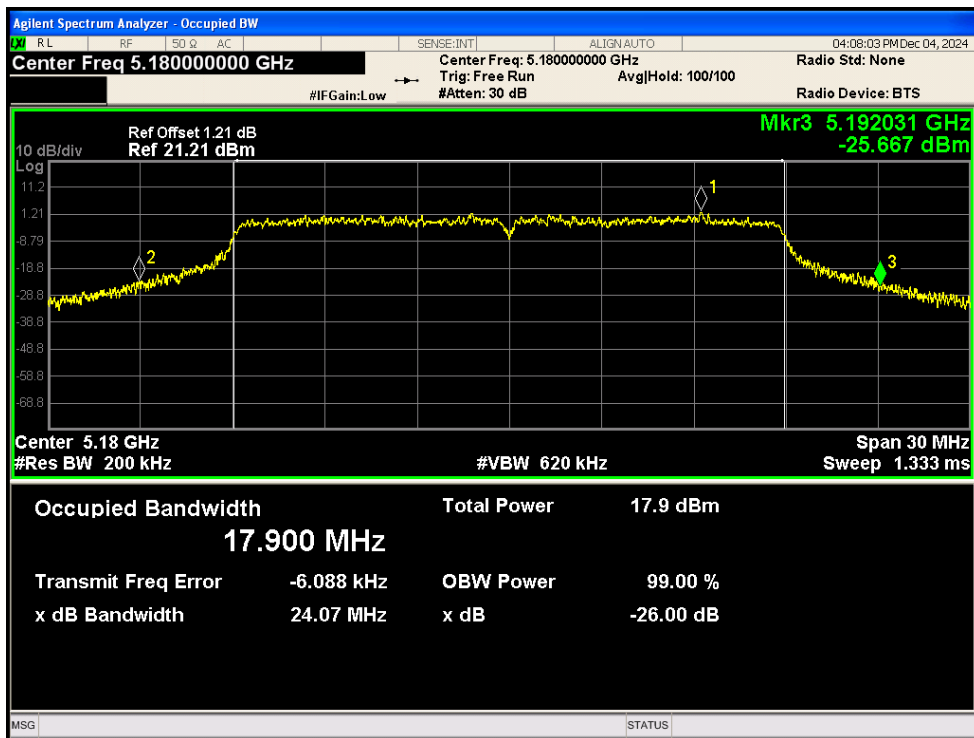
-26dB Bandwidth NVNT a 5200MHz Ant1



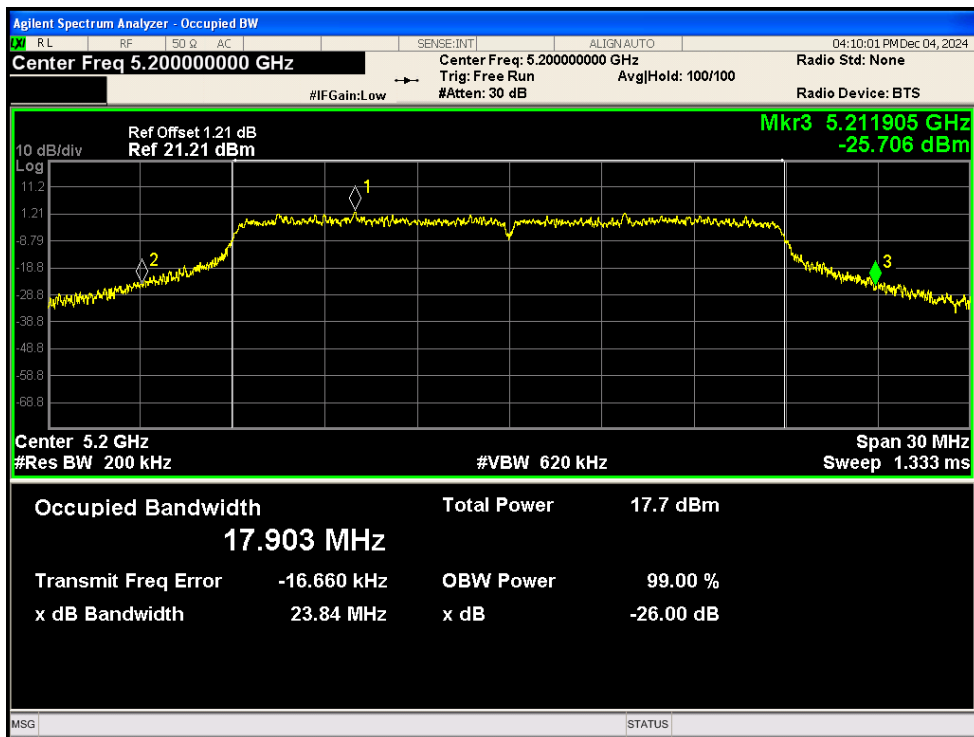
-26dB Bandwidth NVNT a 5240MHz Ant1



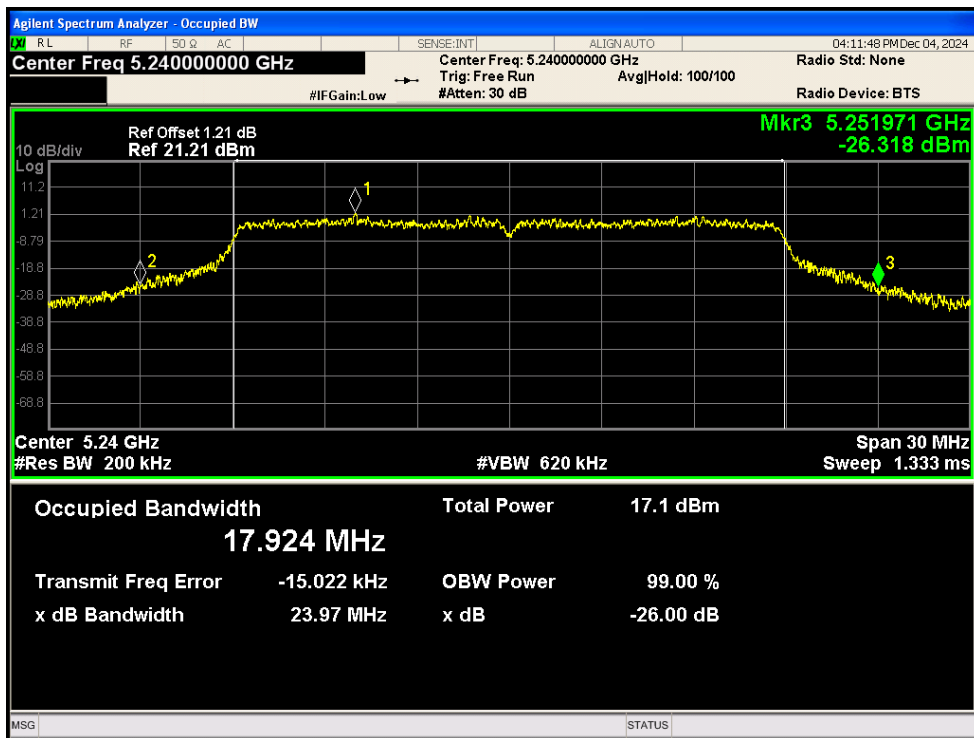
-26dB Bandwidth NVNT ac20 5180MHz Ant1



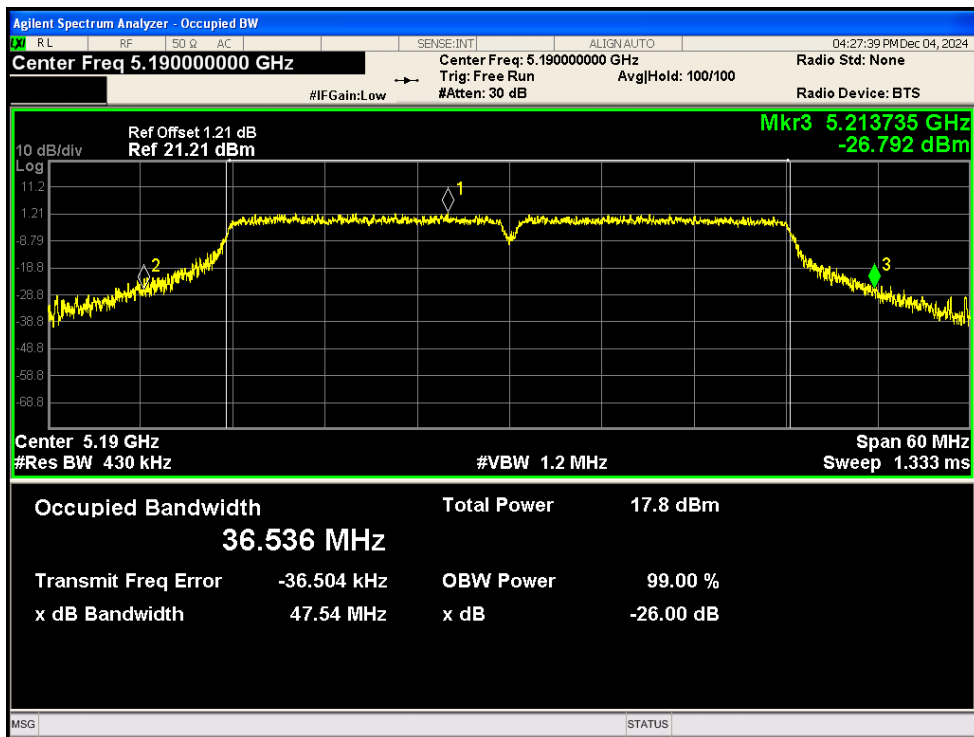
-26dB Bandwidth NVNT ac20 5200MHz Ant1



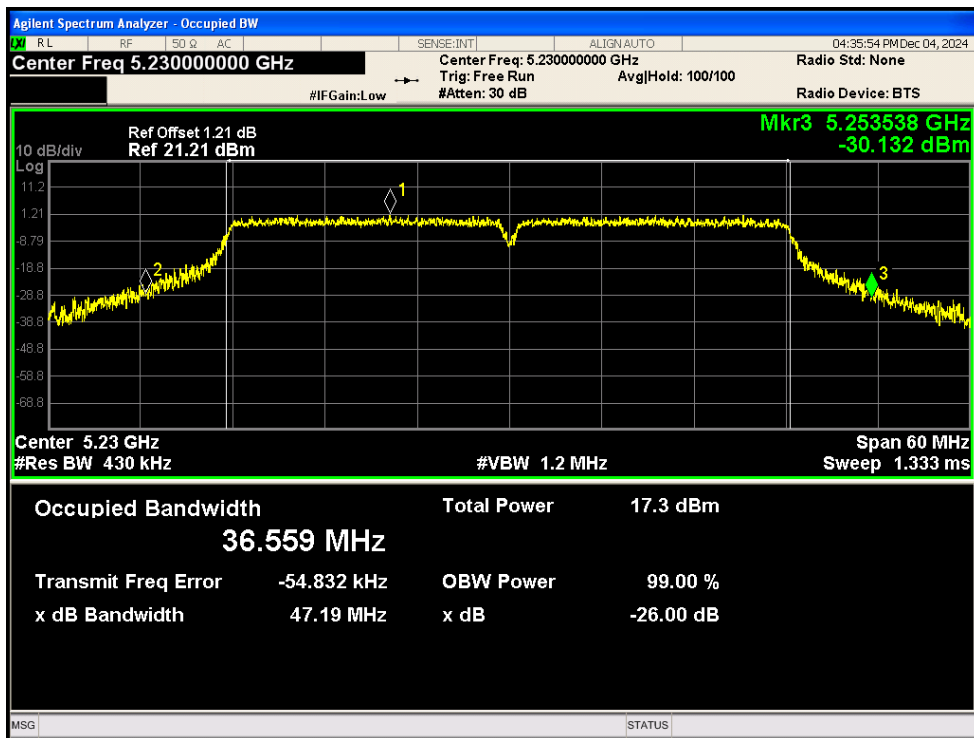
-26dB Bandwidth NVNT ac20 5240MHz Ant1



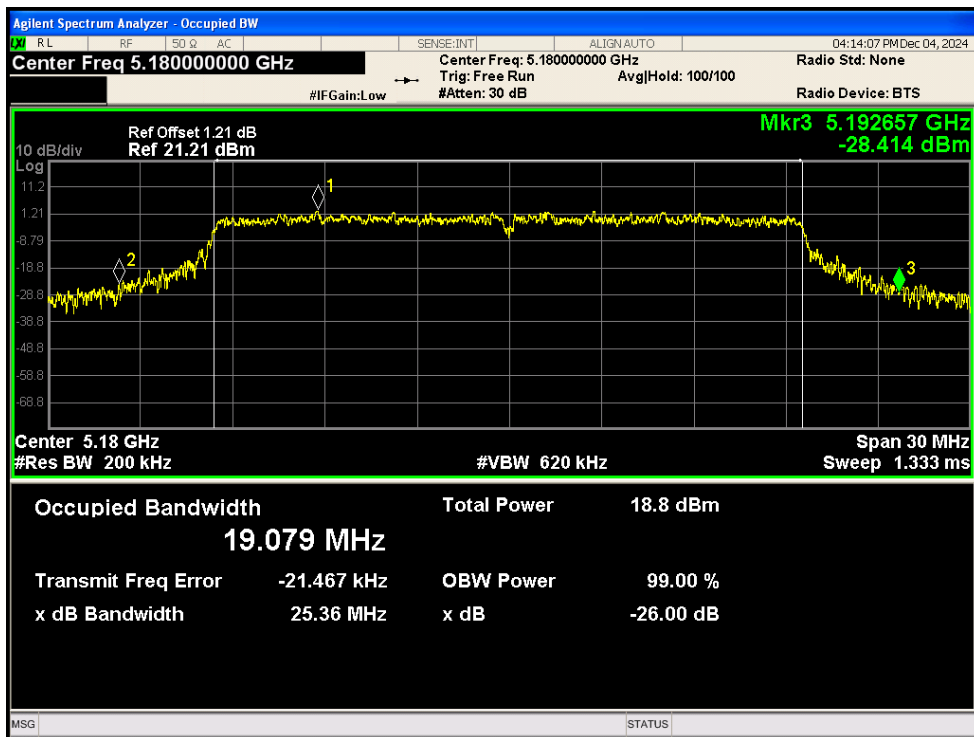
-26dB Bandwidth NVNT ac40 5190MHz Ant1



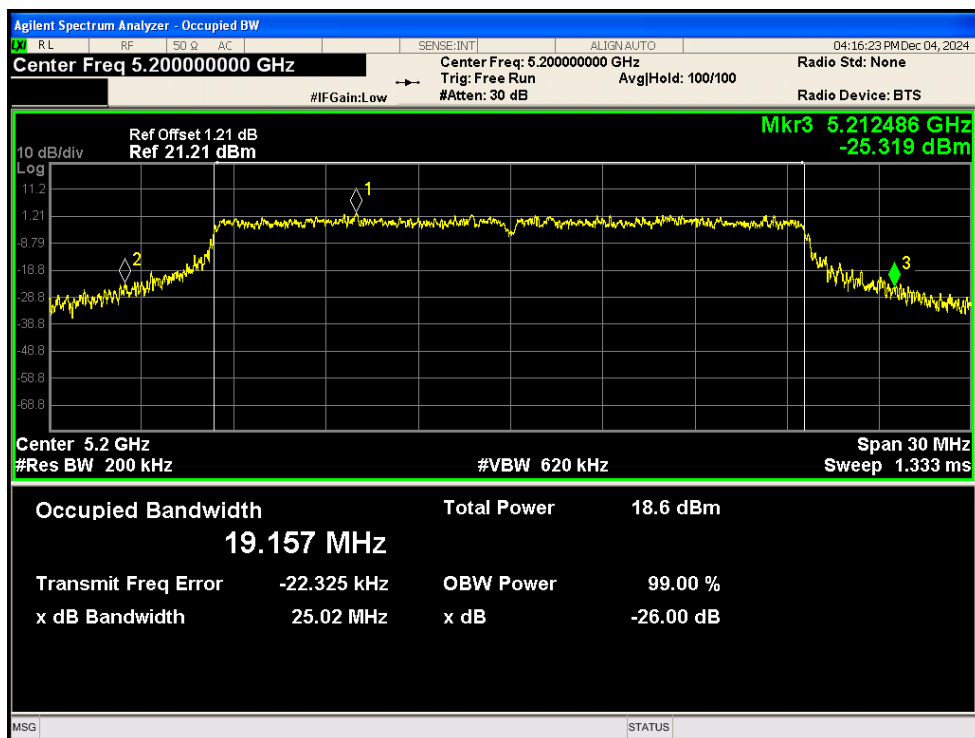
-26dB Bandwidth NVNT ac40 5230MHz Ant1



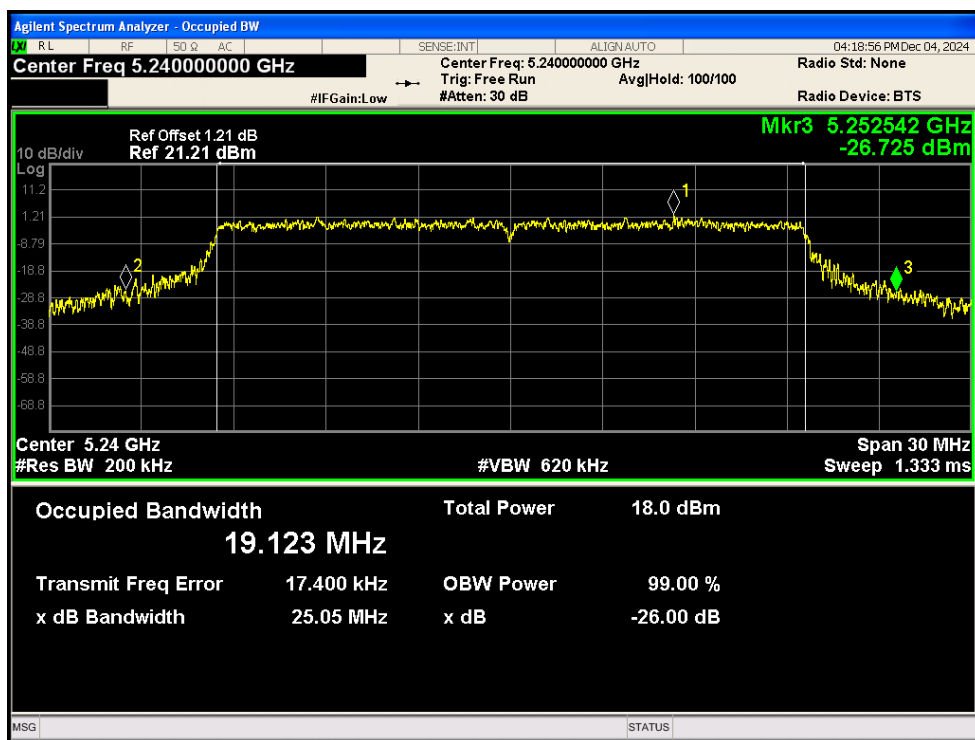
-26dB Bandwidth NVNT ax20 5180MHz Ant1



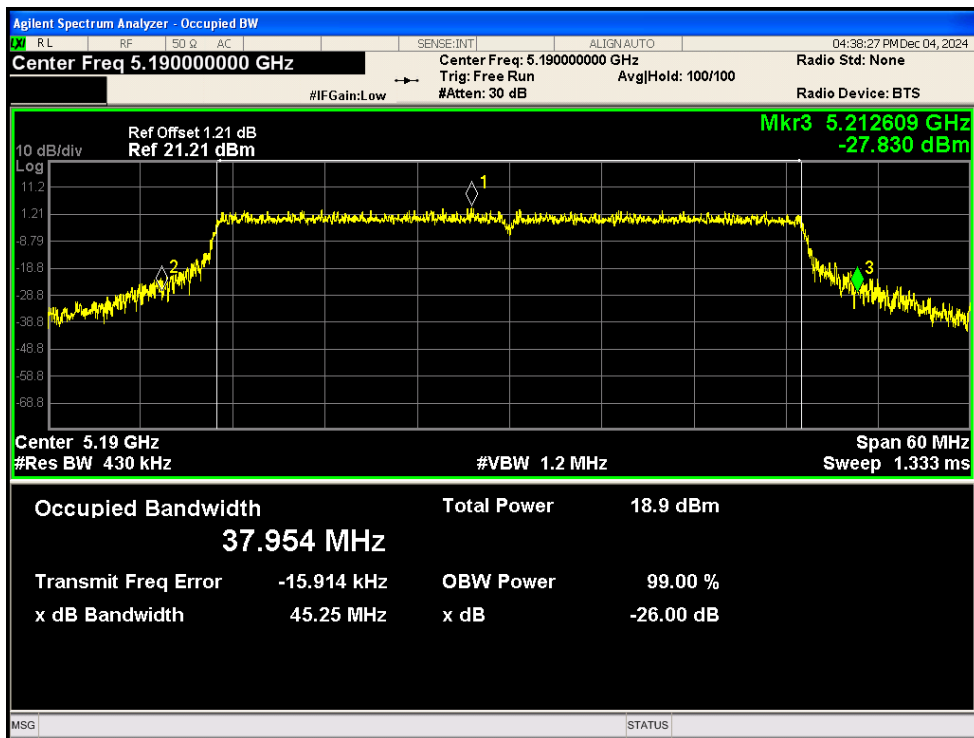
-26dB Bandwidth NVNT ax20 5200MHz Ant1



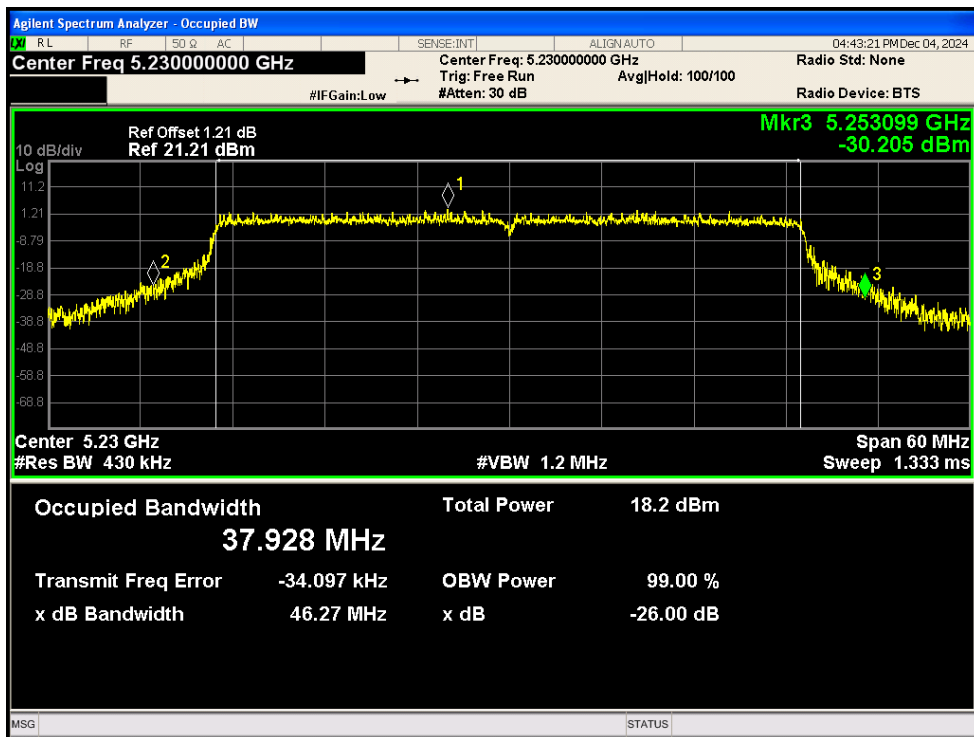
-26dB Bandwidth NVNT ax20 5240MHz Ant1



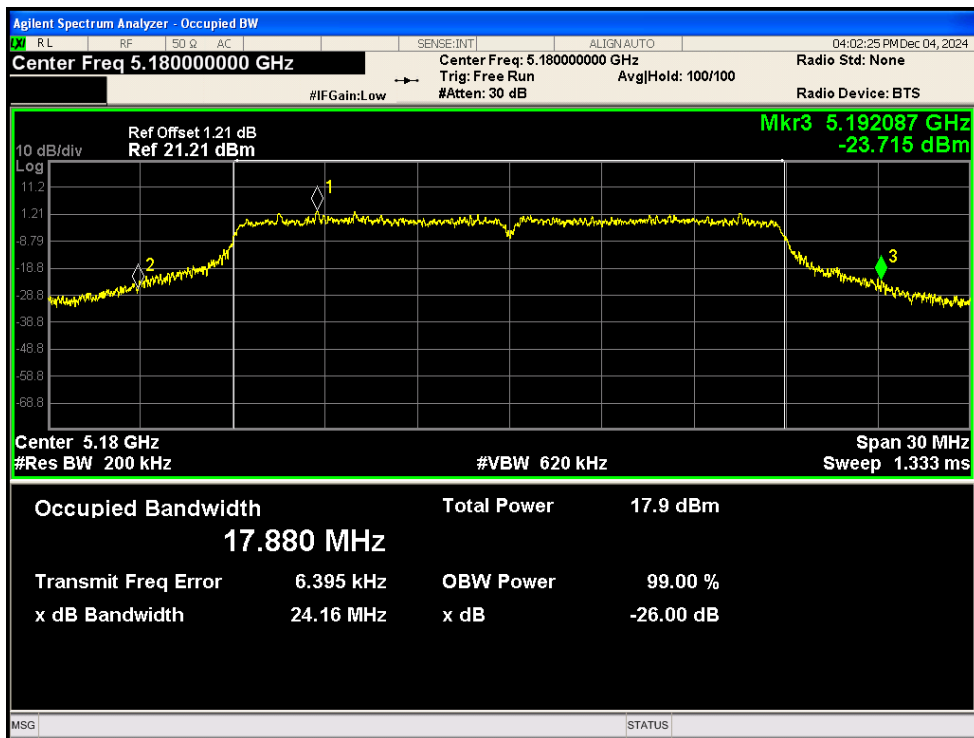
-26dB Bandwidth NVNT ax40 5190MHz Ant1



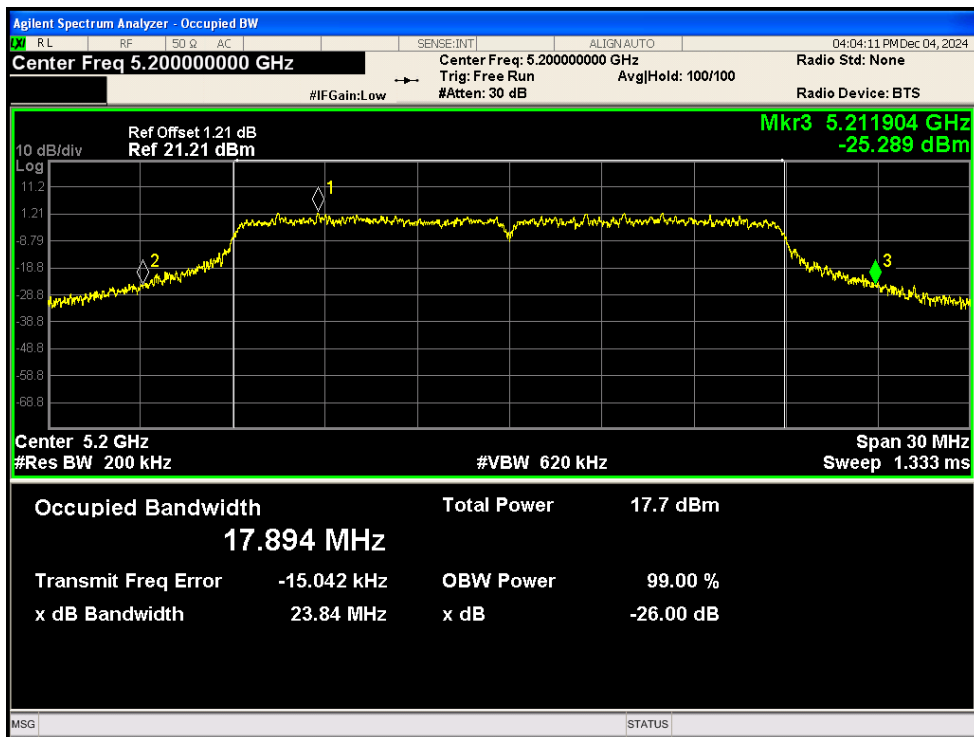
-26dB Bandwidth NVNT ax40 5230MHz Ant1



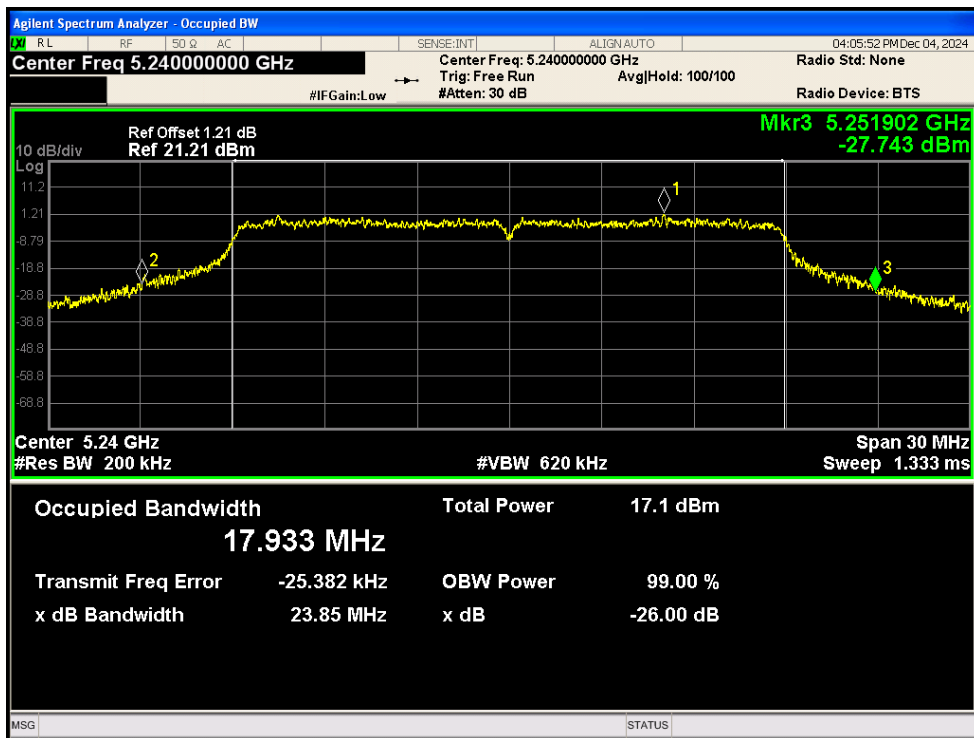
-26dB Bandwidth NVNT n20 5180MHz Ant1



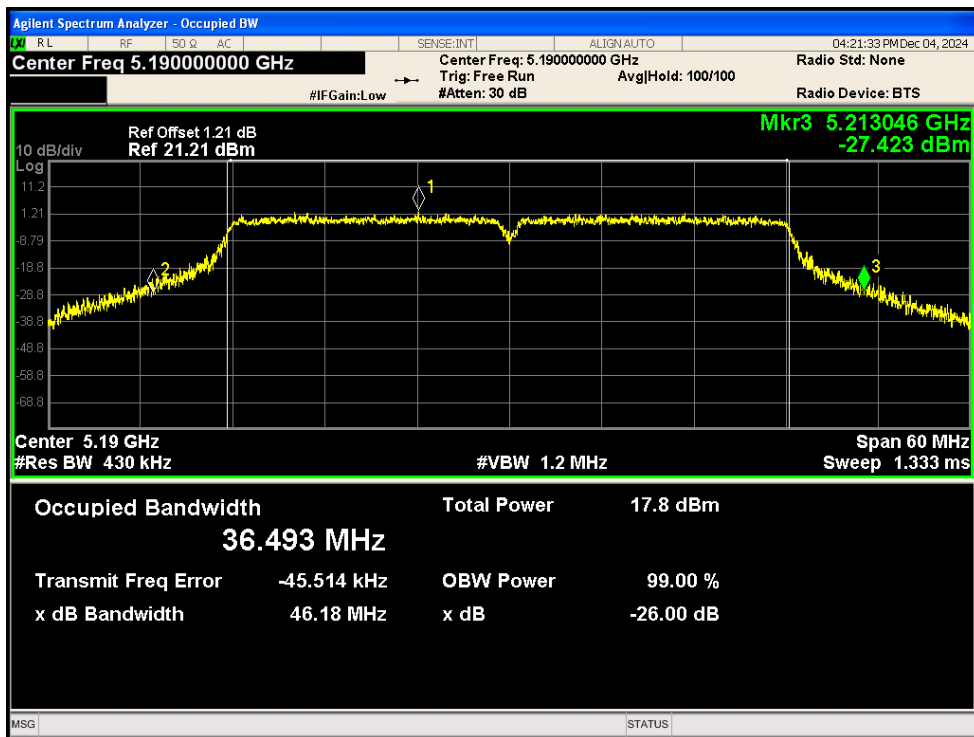
-26dB Bandwidth NVNT n20 5200MHz Ant1



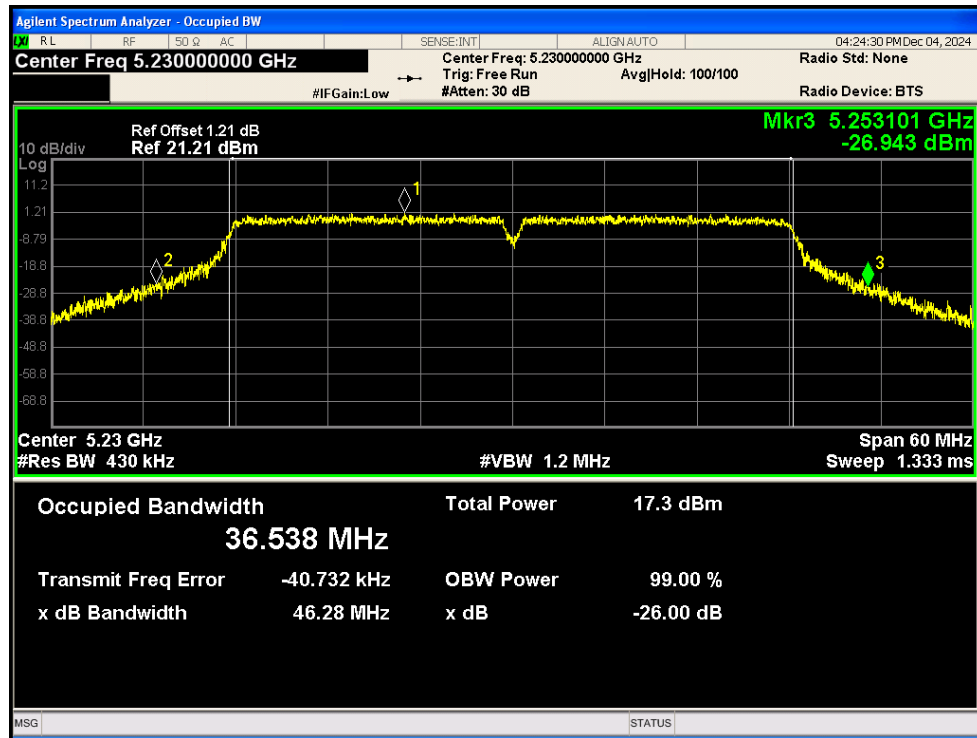
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



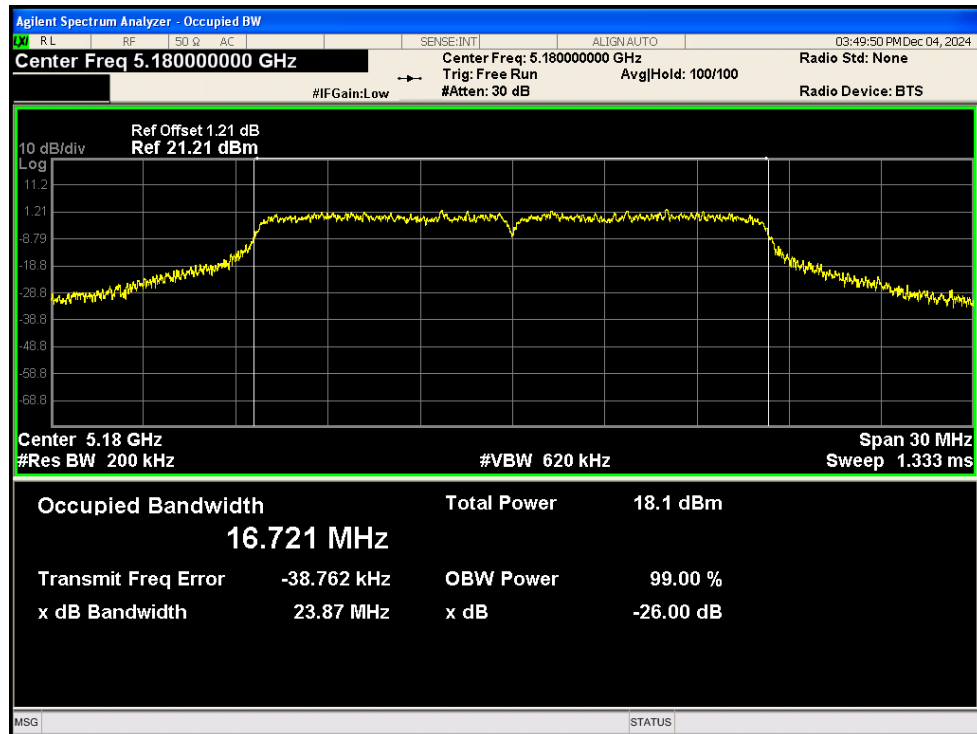
-26dB Bandwidth NVNT n40 5230MHz Ant1



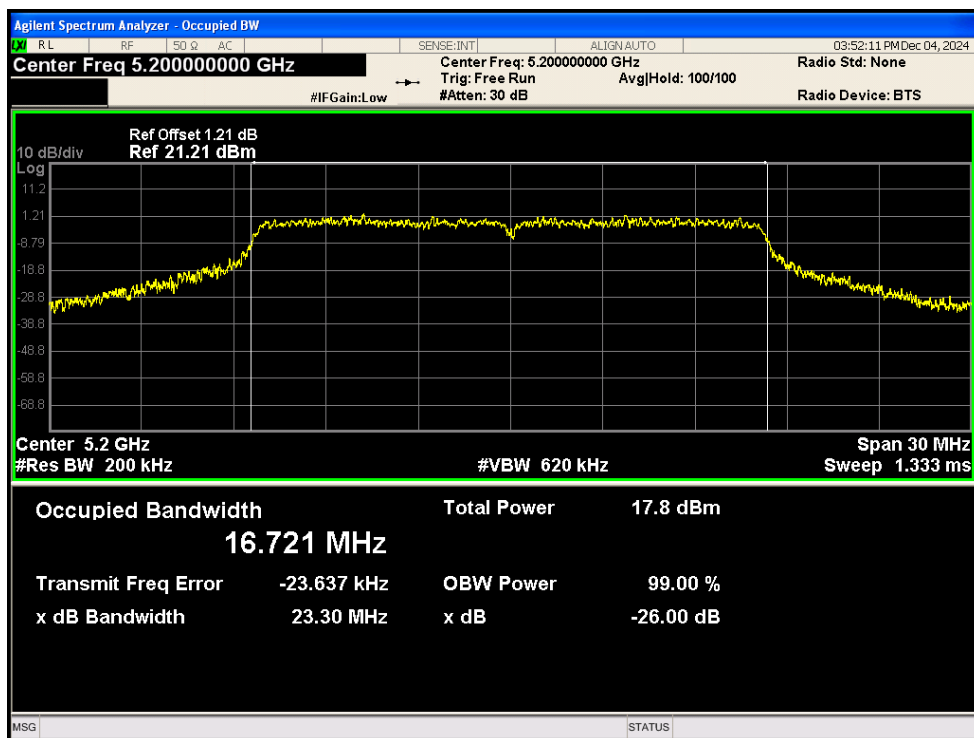
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.721
NVNT	a	5200	Ant1	16.721
NVNT	a	5240	Ant1	16.774
NVNT	ac20	5180	Ant1	17.925
NVNT	ac20	5200	Ant1	17.94
NVNT	ac20	5240	Ant1	17.906
NVNT	ac40	5190	Ant1	36.569
NVNT	ac40	5230	Ant1	36.493
NVNT	ax20	5180	Ant1	19.19
NVNT	ax20	5200	Ant1	19.116
NVNT	ax20	5240	Ant1	19.105
NVNT	ax40	5190	Ant1	37.857
NVNT	ax40	5230	Ant1	37.974
NVNT	n20	5180	Ant1	17.908
NVNT	n20	5200	Ant1	17.917
NVNT	n20	5240	Ant1	17.9
NVNT	n40	5190	Ant1	36.543
NVNT	n40	5230	Ant1	36.562

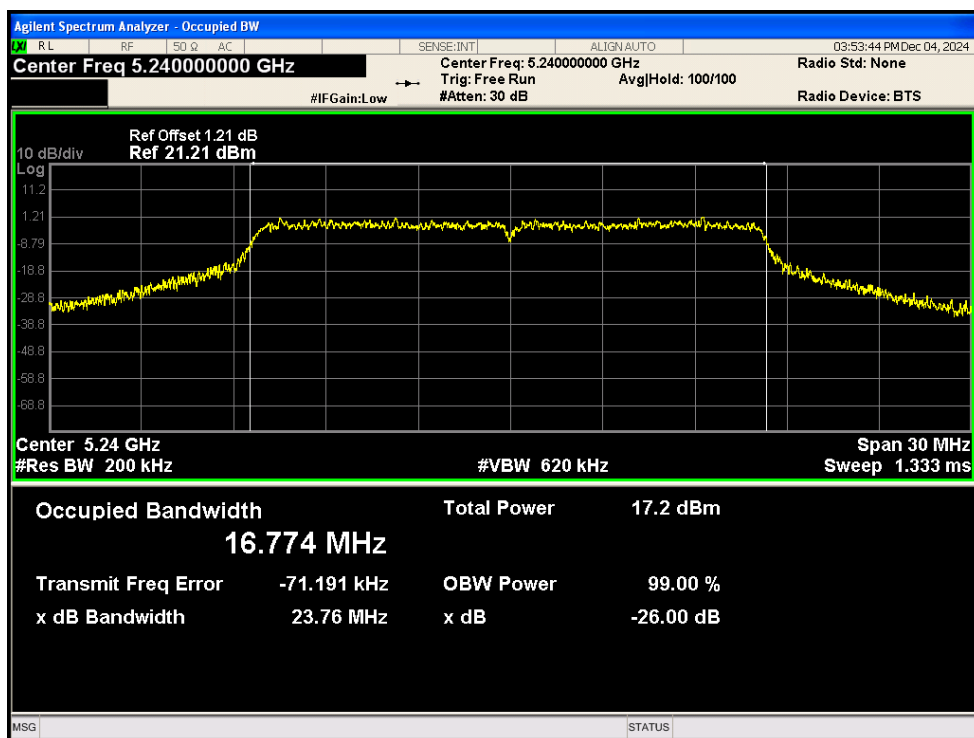
OBW NVNT a 5180MHz Ant1



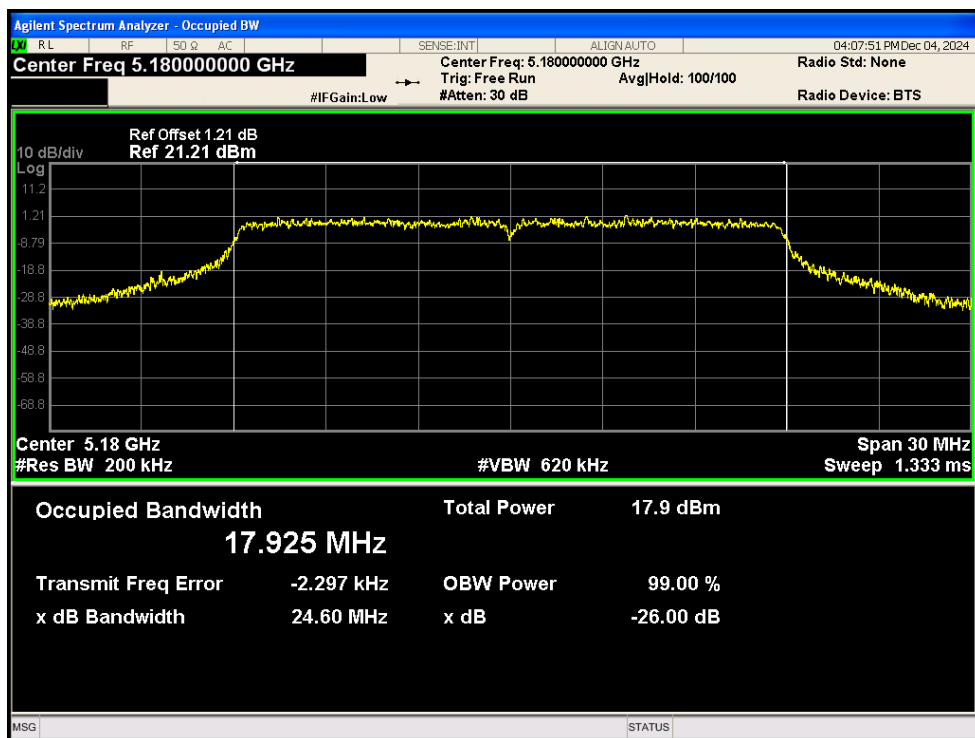
OBW NVNT a 5200MHz Ant1



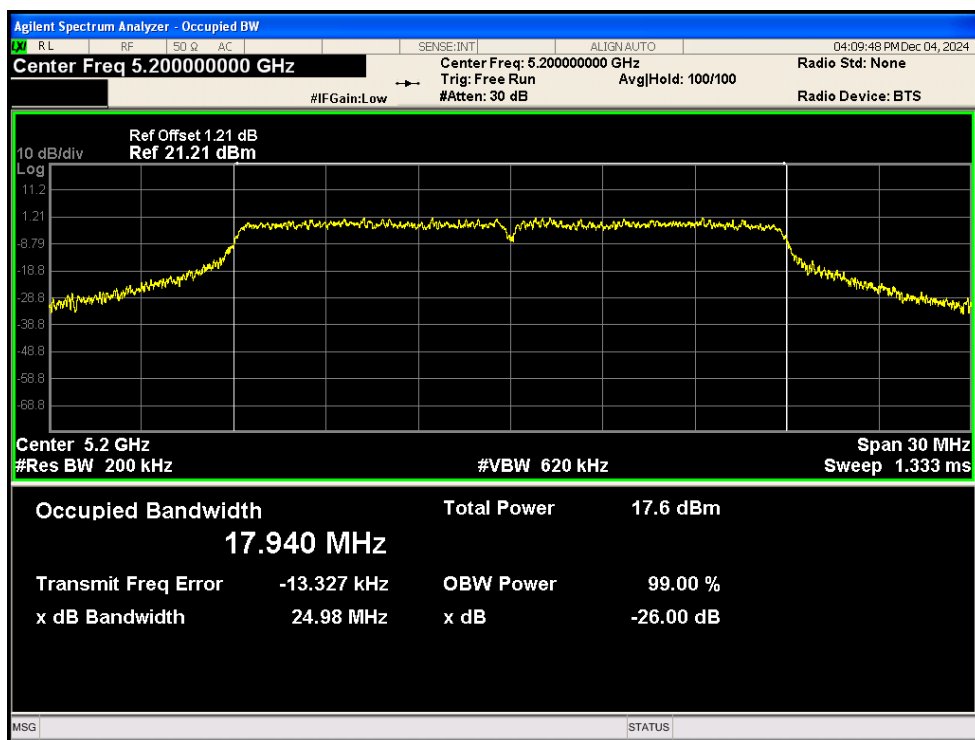
OBW NVNT a 5240MHz Ant1



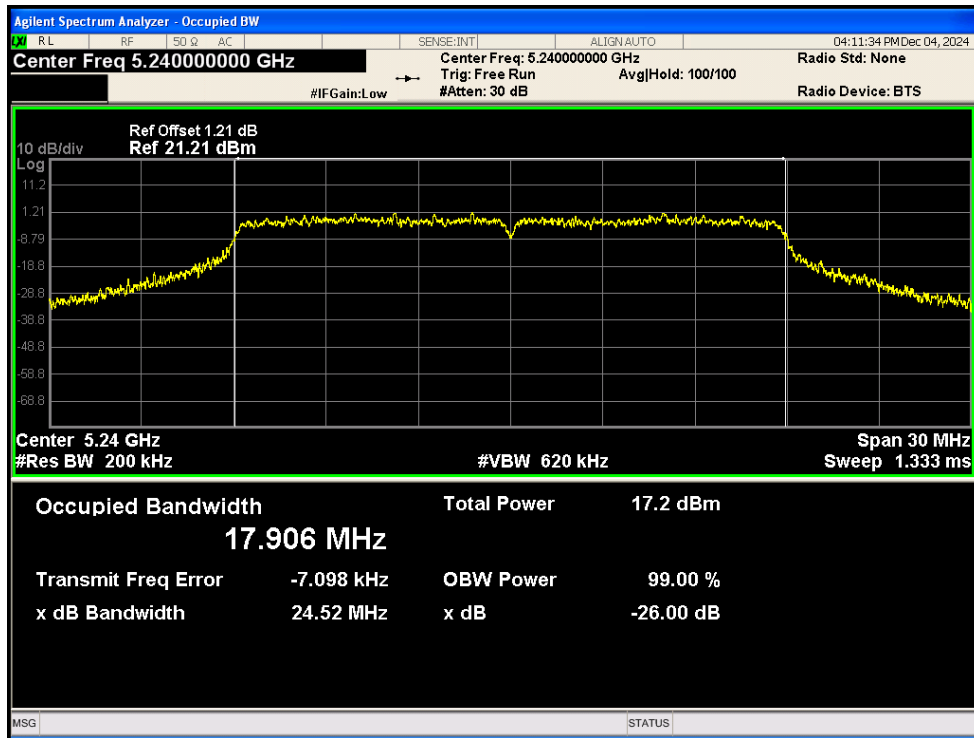
OBW NVNT ac20 5180MHz Ant1



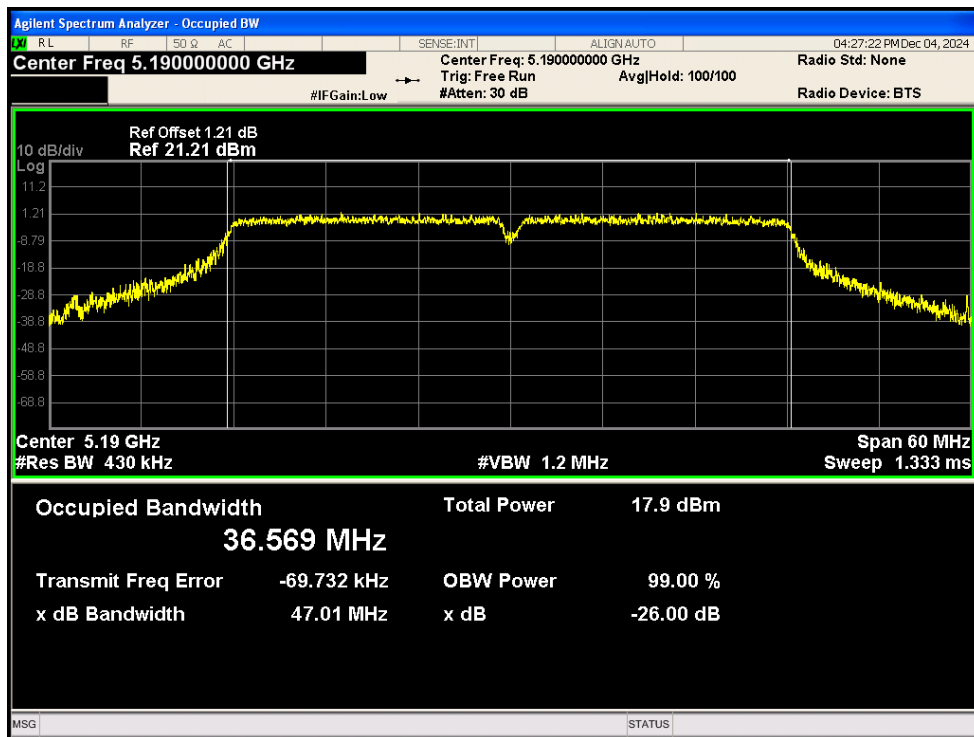
OBW NVNT ac20 5200MHz Ant1



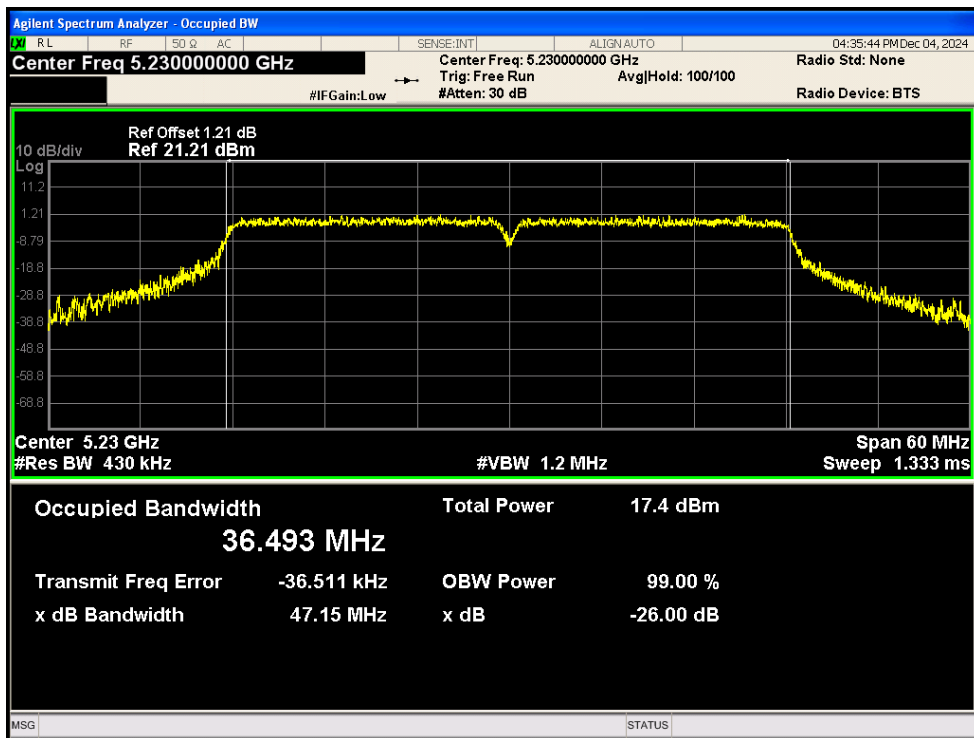
OBW NVNT ac20 5240MHz Ant1



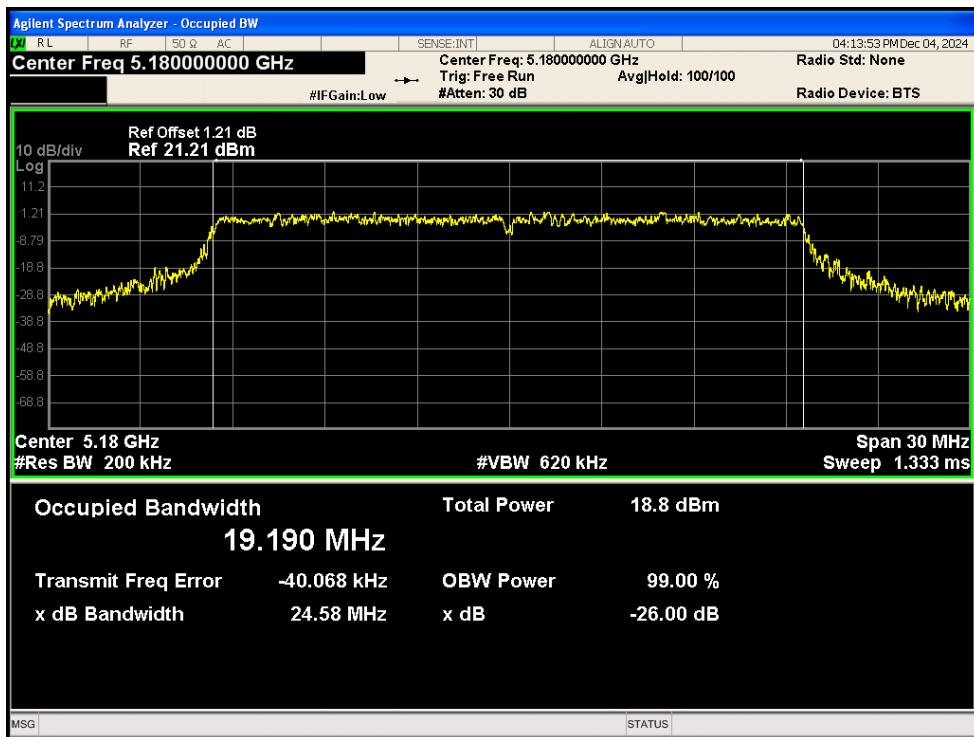
OBW NVNT ac40 5190MHz Ant1



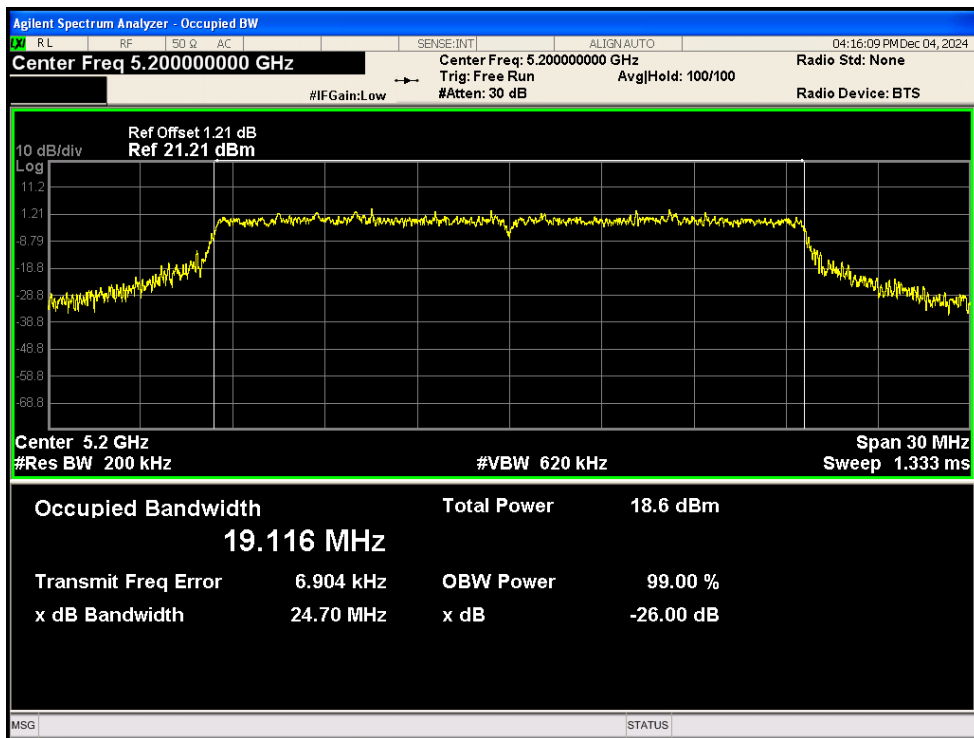
OBW NVNT ac40 5230MHz Ant1



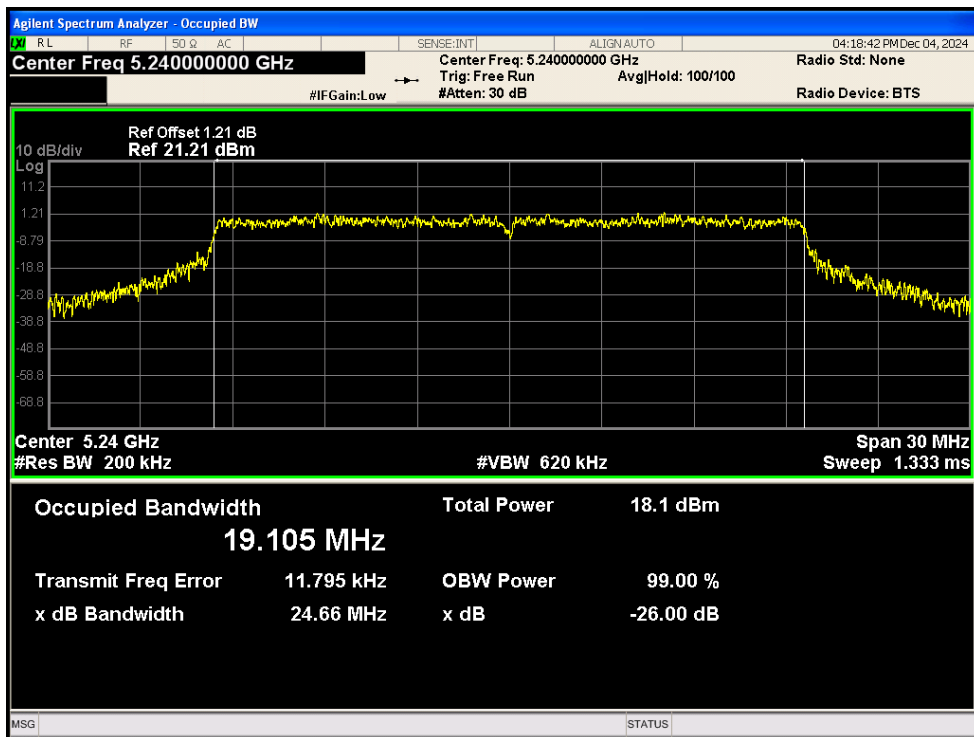
OBW NVNT ax20 5180MHz Ant1



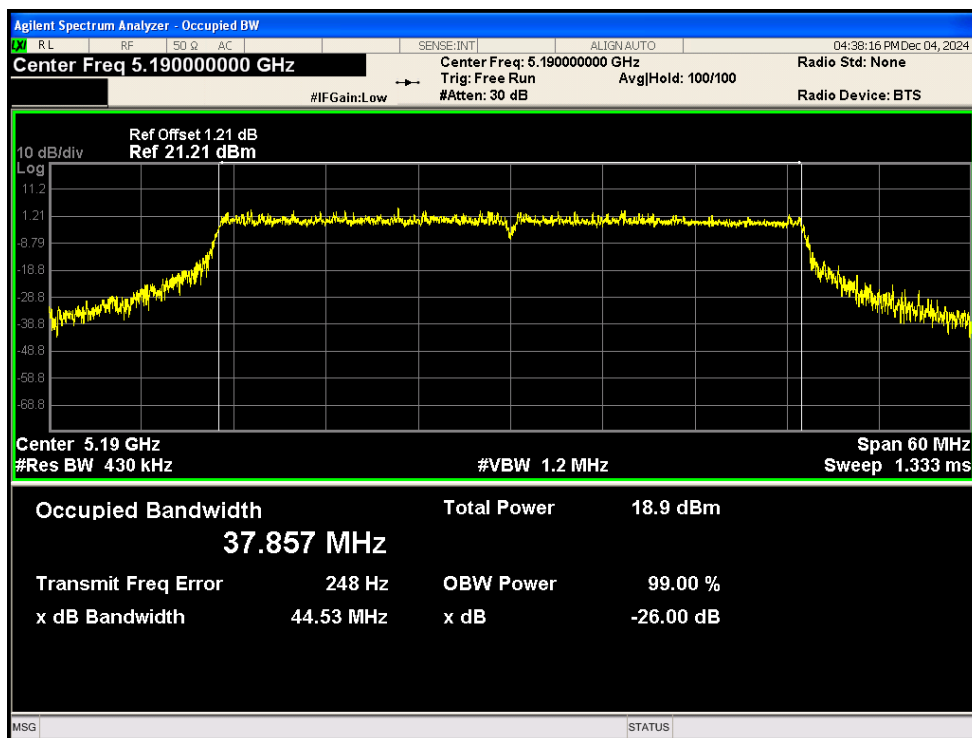
OBW NVNT ax20 5200MHz Ant1



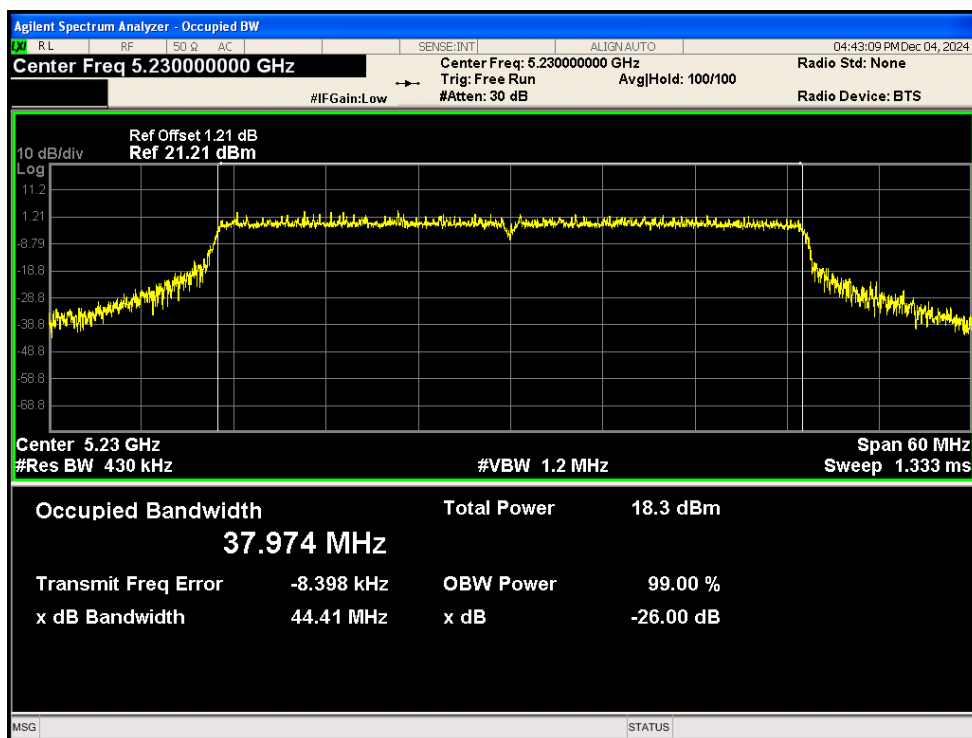
OBW NVNT ax20 5240MHz Ant1



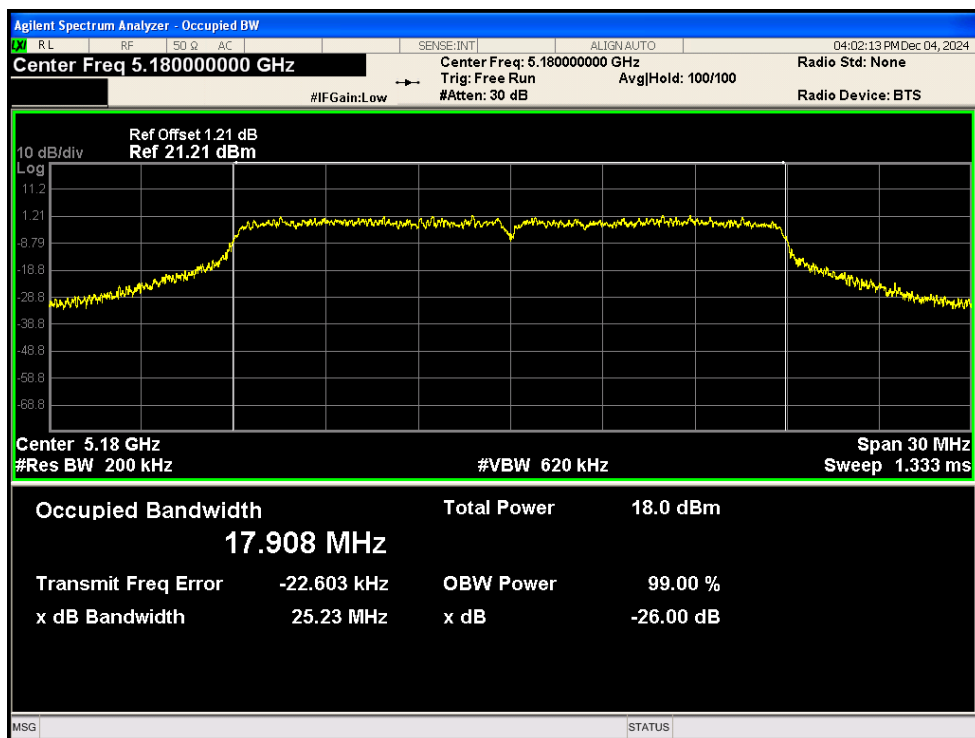
OBW NVNT ax40 5190MHz Ant1



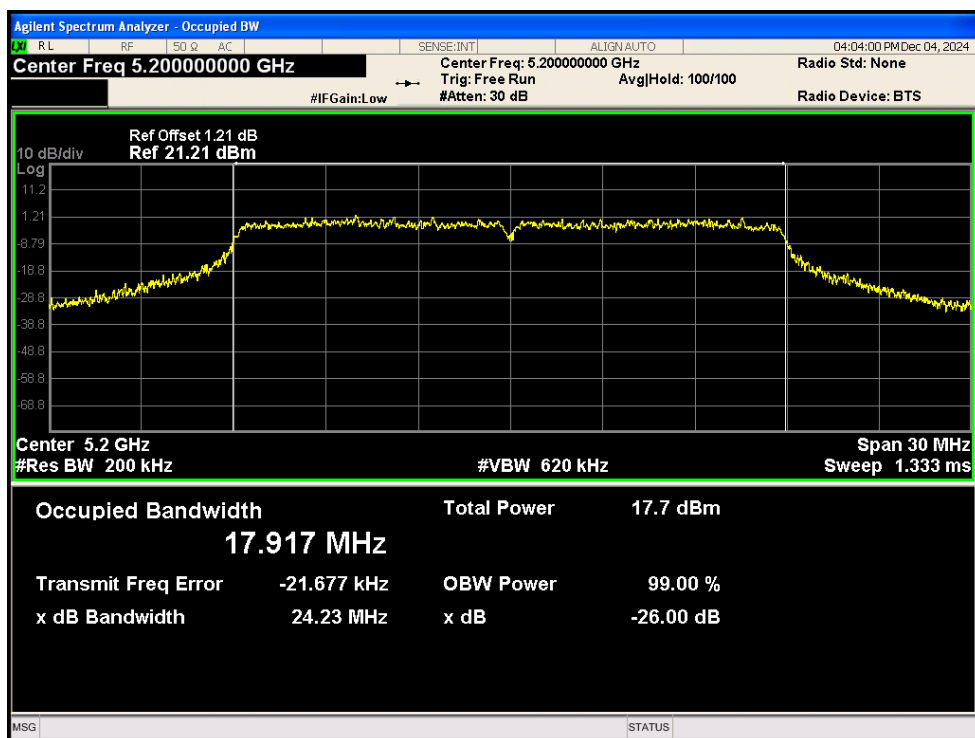
OBW NVNT ax40 5230MHz Ant1



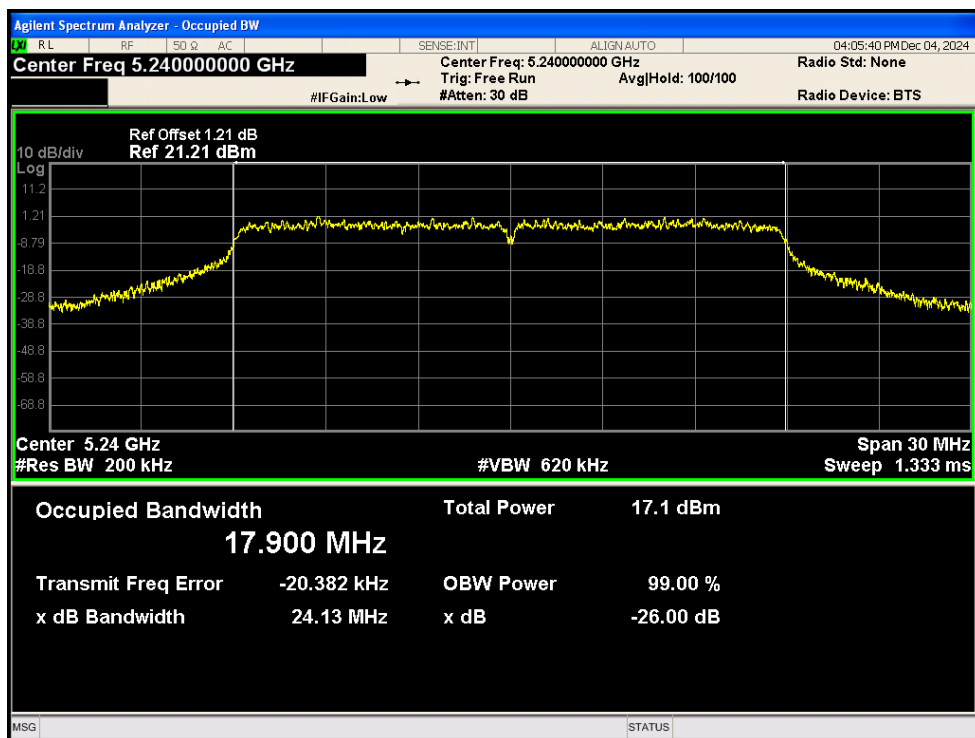
OBW NVNT n20 5180MHz Ant1



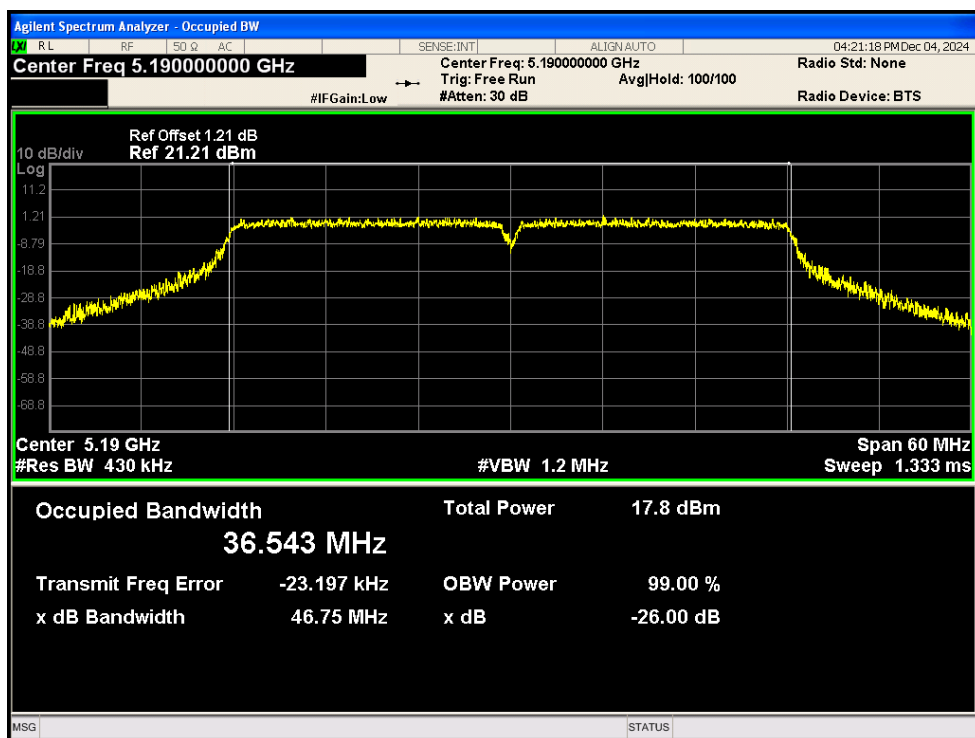
OBW NVNT n20 5200MHz Ant1



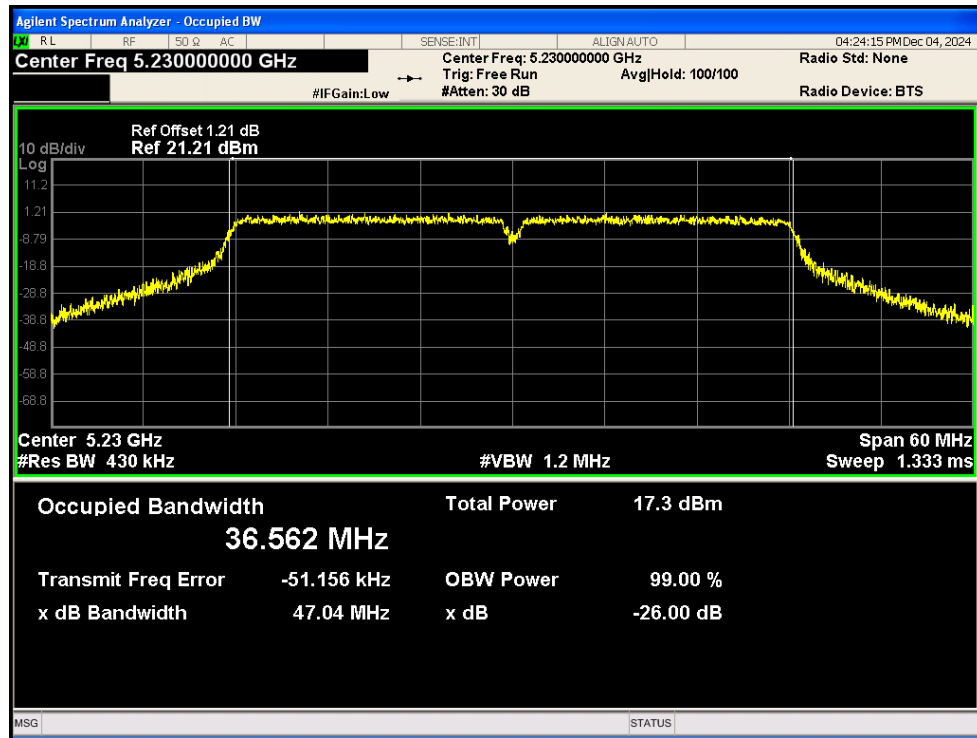
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



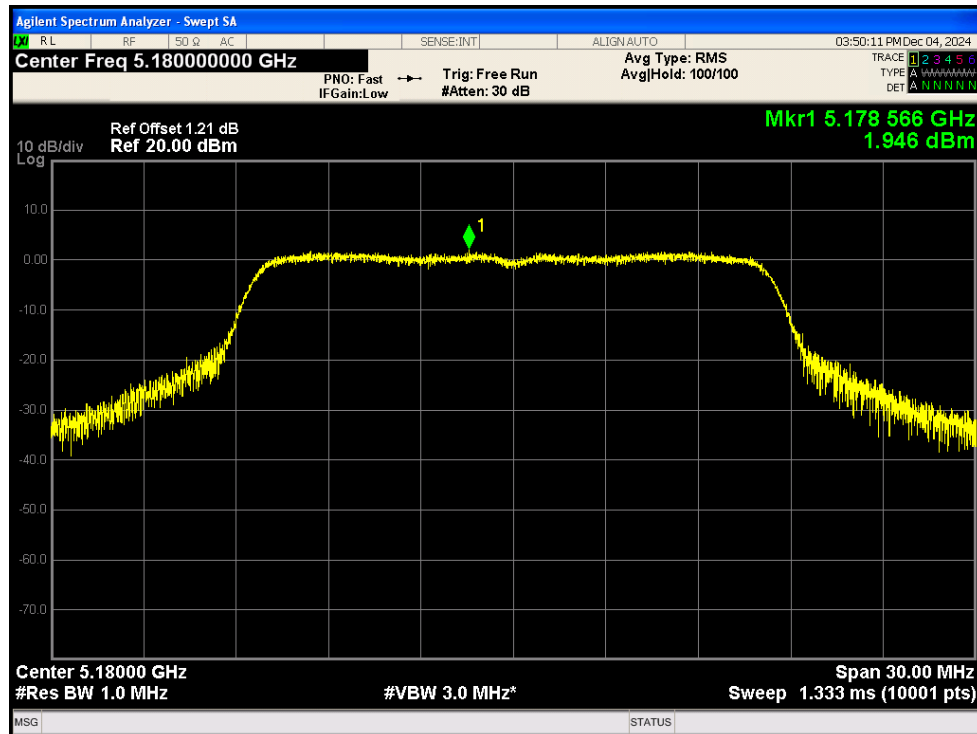
OBW NVNT n40 5230MHz Ant1



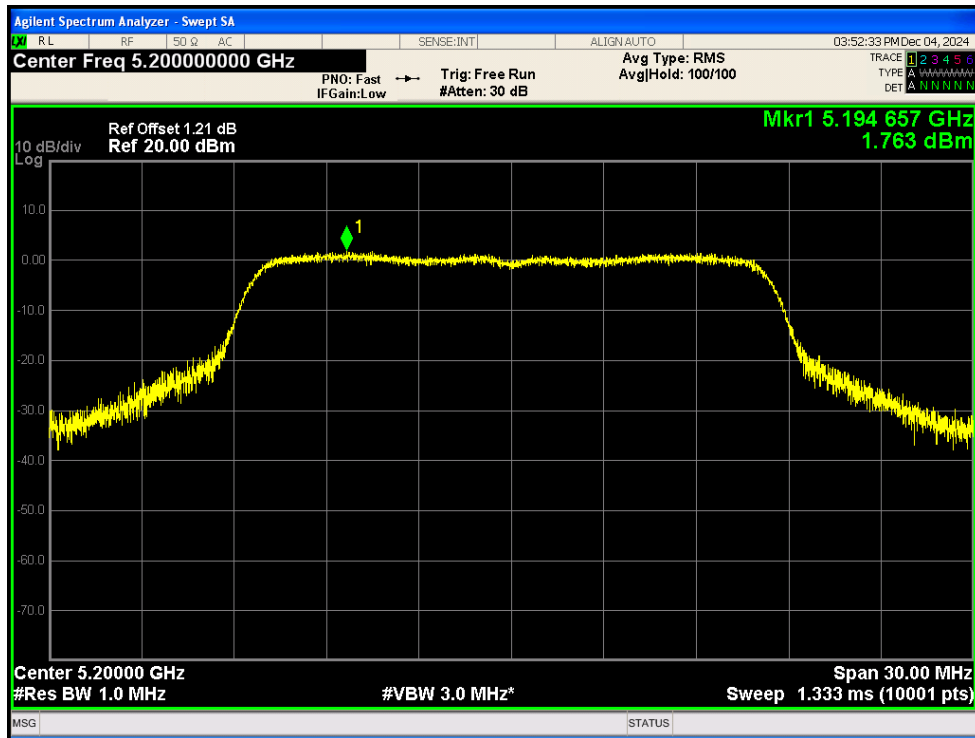
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	1.946	11	Pass
NVNT	a	5200	Ant1	1.763	11	Pass
NVNT	a	5240	Ant1	0.995	11	Pass
NVNT	ac20	5180	Ant1	1.647	11	Pass
NVNT	ac20	5200	Ant1	1.153	11	Pass
NVNT	ac20	5240	Ant1	0.825	11	Pass
NVNT	ac40	5190	Ant1	-2.074	11	Pass
NVNT	ac40	5230	Ant1	-2.642	11	Pass
NVNT	ax20	5180	Ant1	1.201	11	Pass
NVNT	ax20	5200	Ant1	1.104	11	Pass
NVNT	ax20	5240	Ant1	0.568	11	Pass
NVNT	ax40	5190	Ant1	-2.002	11	Pass
NVNT	ax40	5230	Ant1	-2.661	11	Pass
NVNT	n20	5180	Ant1	1.514	11	Pass
NVNT	n20	5200	Ant1	1.298	11	Pass
NVNT	n20	5240	Ant1	0.748	11	Pass
NVNT	n40	5190	Ant1	-2.56	11	Pass
NVNT	n40	5230	Ant1	-3.19	11	Pass

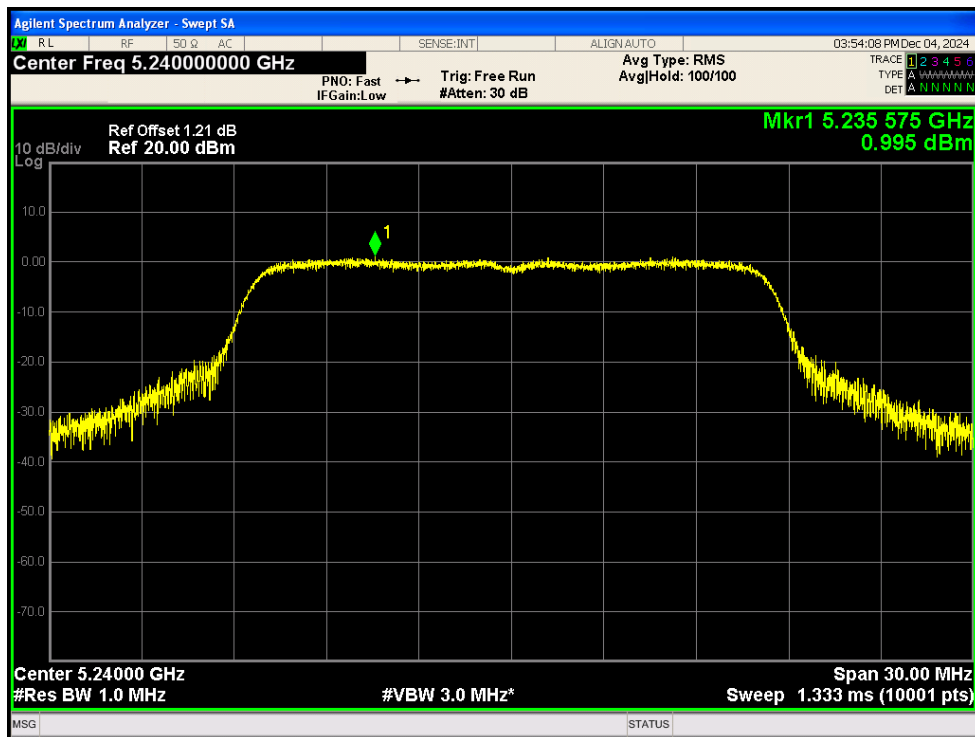
PSD NVNT a 5180MHz Ant1



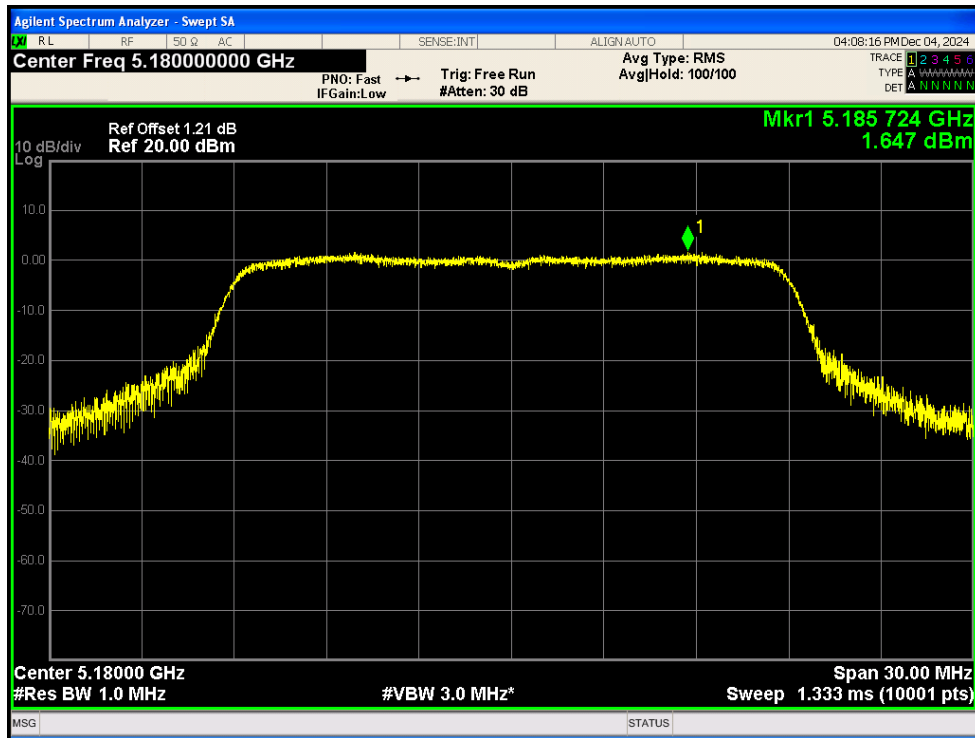
PSD NVNT a 5200MHz Ant1



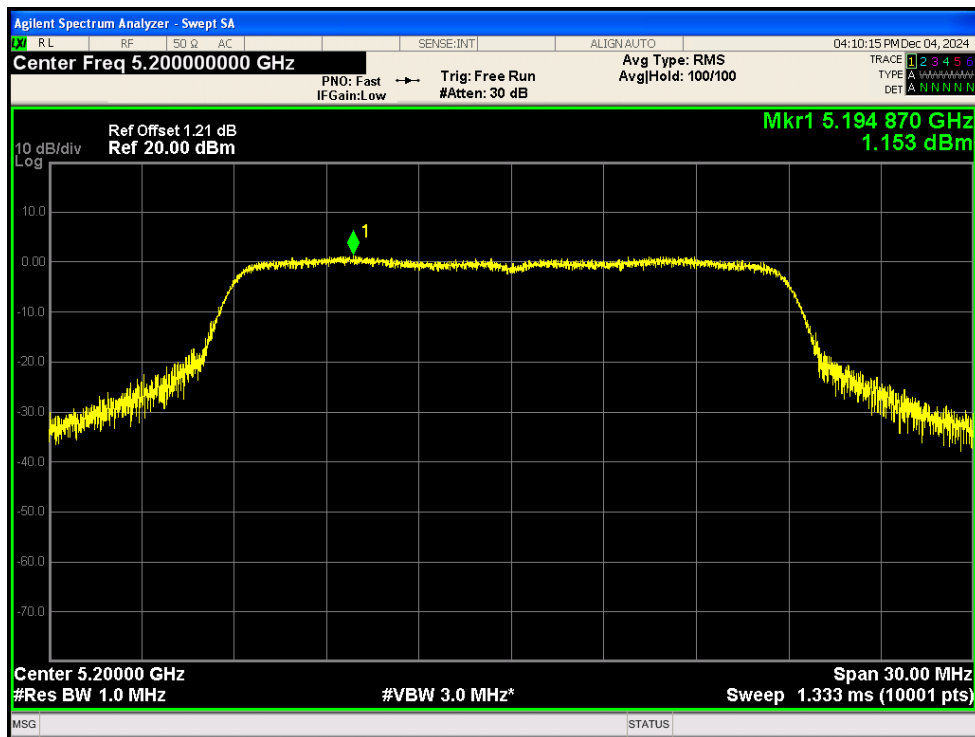
PSD NVNT a 5240MHz Ant1



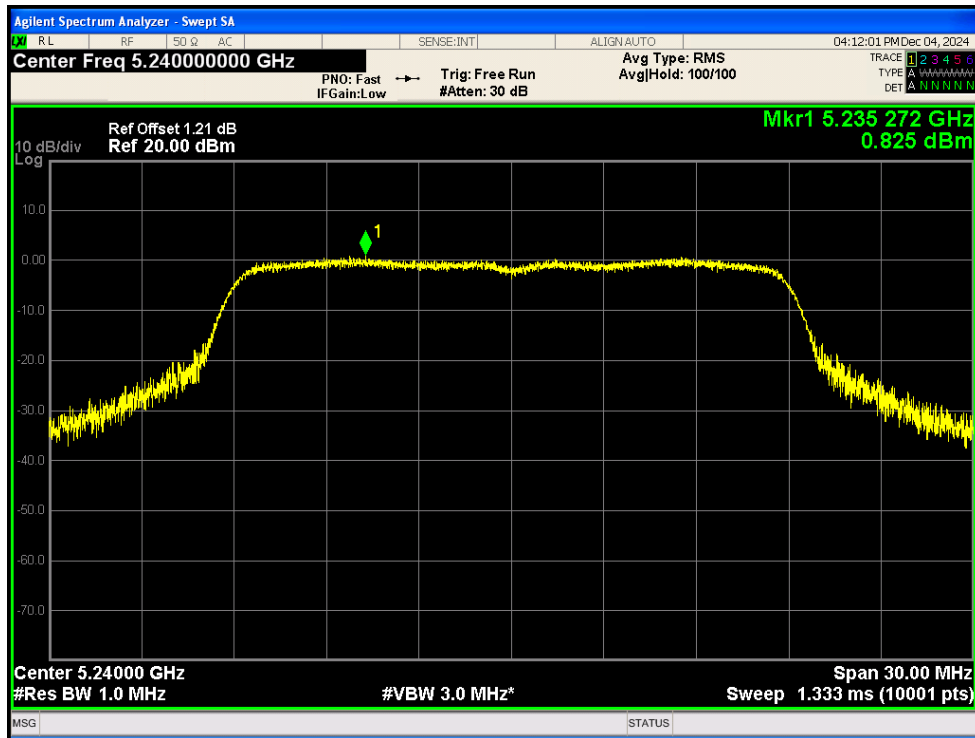
PSD NVNT ac20 5180MHz Ant1



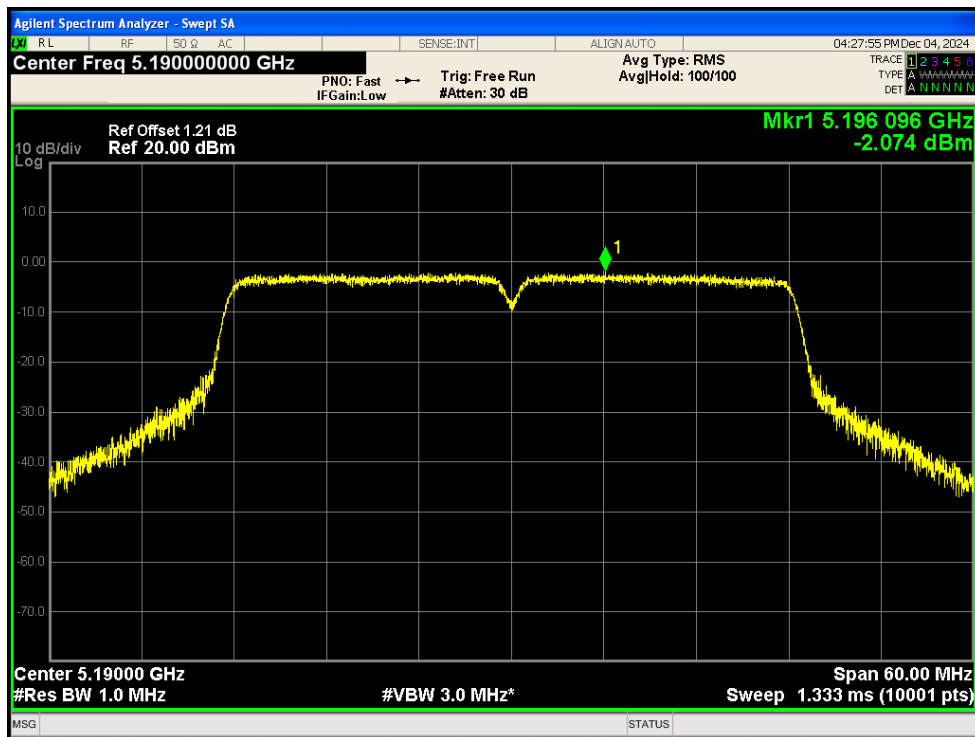
PSD NVNT ac20 5200MHz Ant1



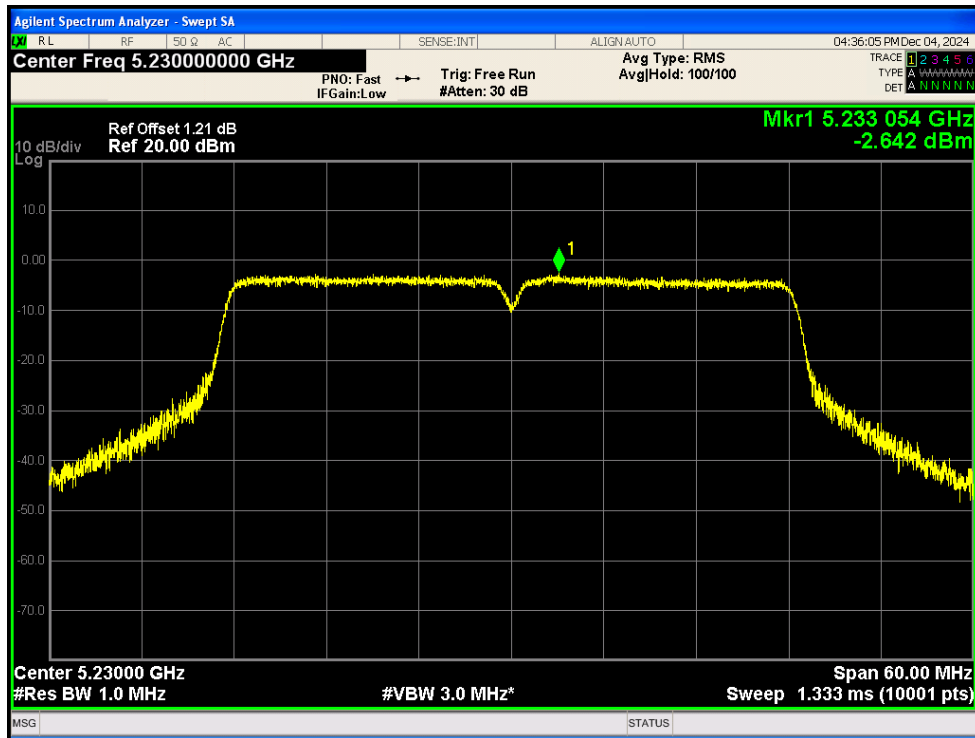
PSD NVNT ac20 5240MHz Ant1



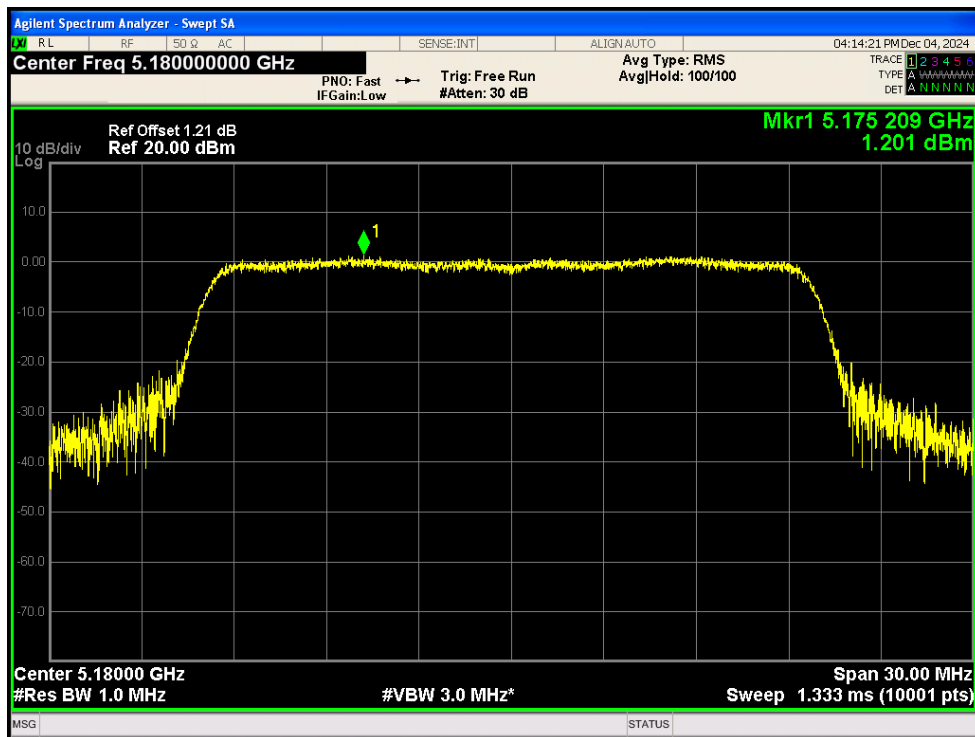
PSD NVNT ac40 5190MHz Ant1



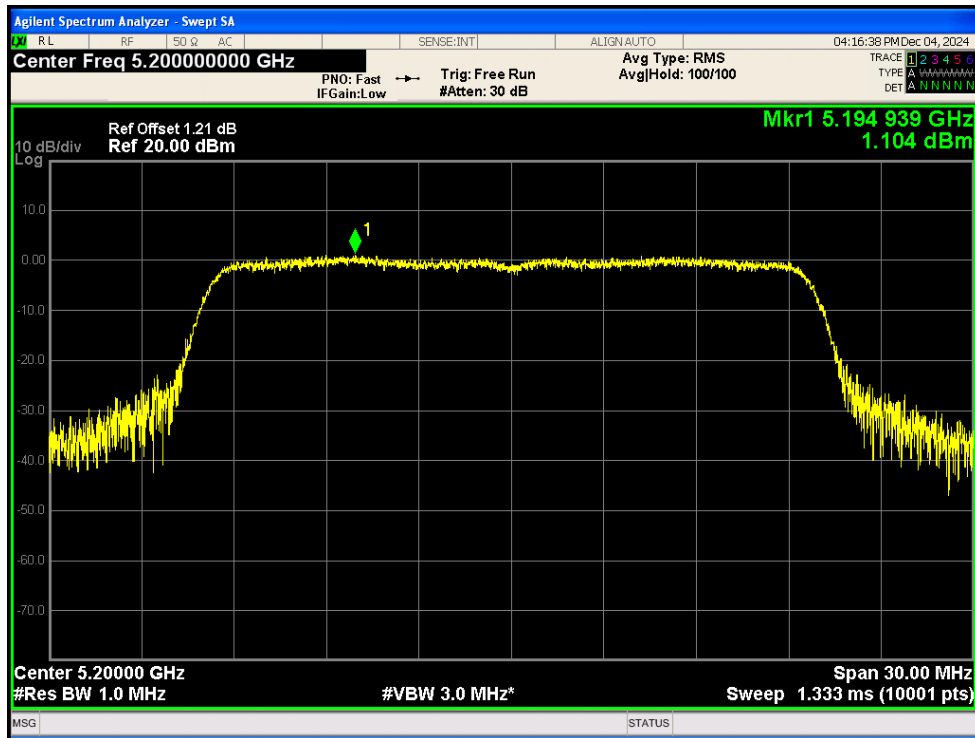
PSD NVNT ac40 5230MHz Ant1



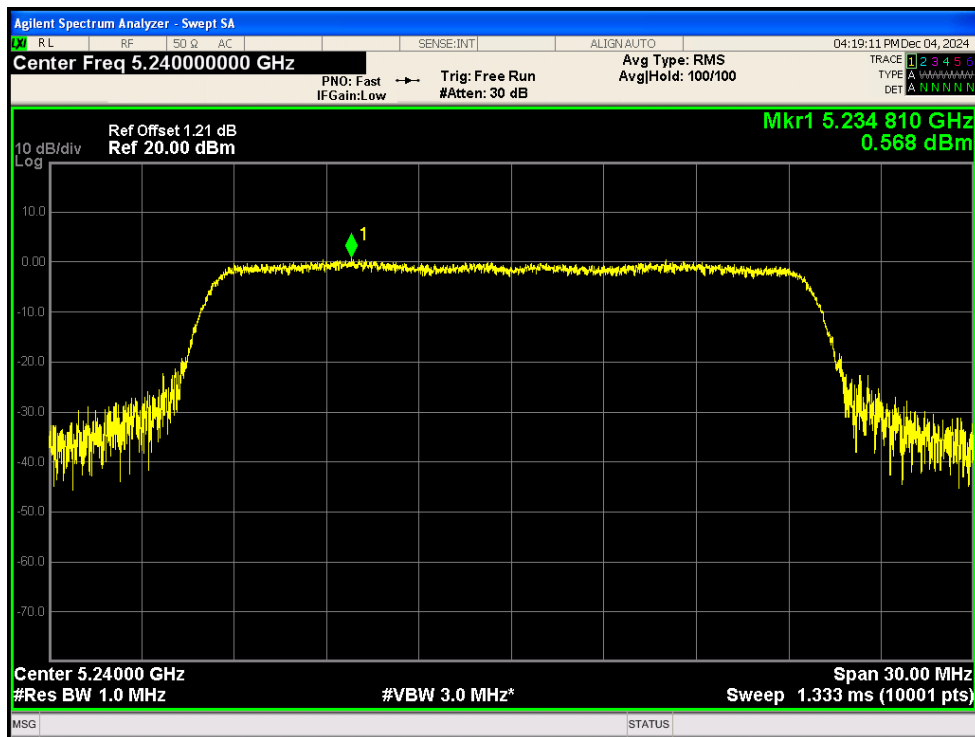
PSD NVNT ax20 5180MHz Ant1



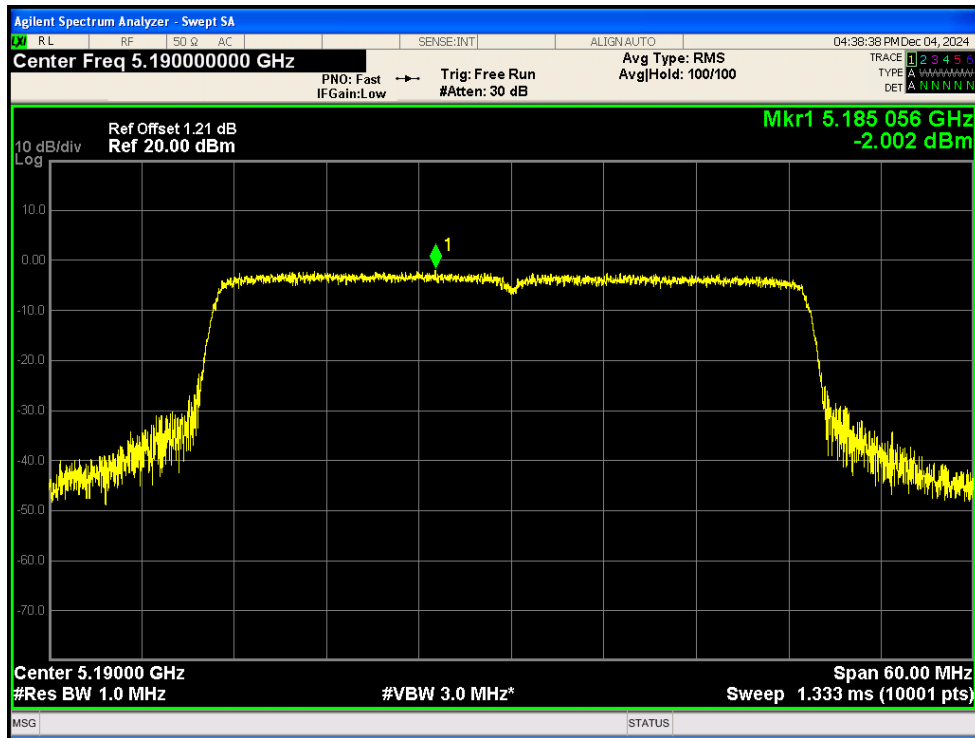
PSD NVNT ax20 5200MHz Ant1



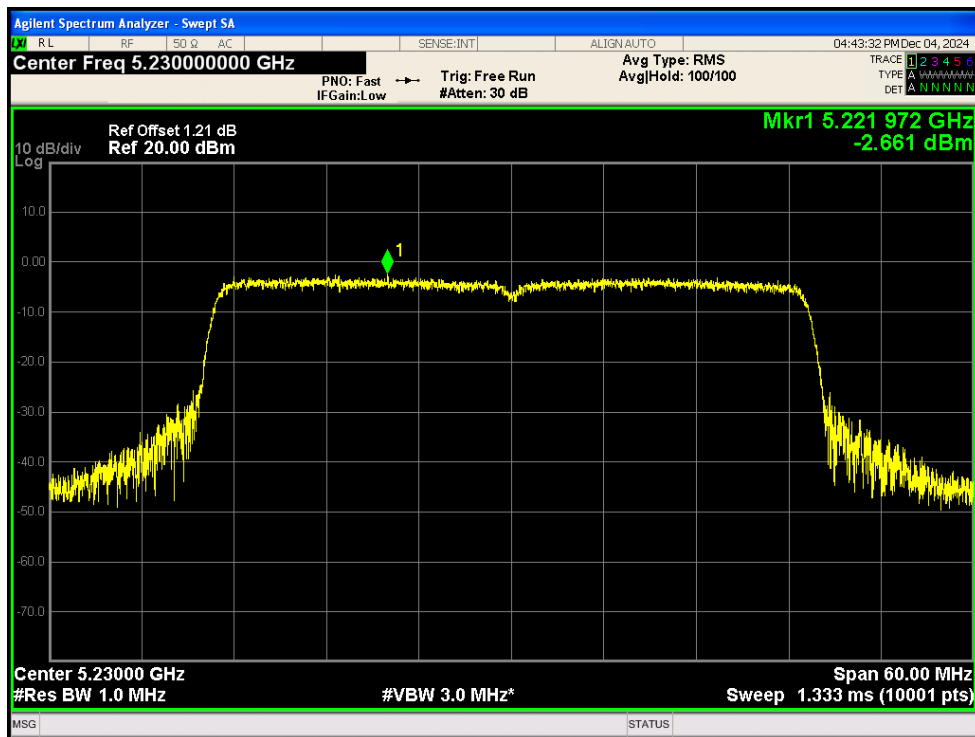
PSD NVNT ax20 5240MHz Ant1



PSD NVNT ax40 5190MHz Ant1



PSD NVNT ax40 5230MHz Ant1



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Q AC SENSE:INT ALIGN:AUTO 04:02:37 PM Dec 04, 2024

Center Freq 5.18000000 GHz PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg/Hold: 100/100

Ref Offset 1.21 dB Ref 20.00 dB

Mkr1 5.174 360 GHz 1.514 dBm

10 dB/div Log

Center 5.18000 GHz Span 30.00 MHz

#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.333 ms (10001 pts)

MSG STATUS

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Q AC SENSE:INT ALIGN:AUTO 04:04:24 PM Dec 04, 2024

Center Freq 5.20000000 GHz PNO: Fast IF Gain: Low Trig: Free Run Avg Type: RMS Avg/Hold: 100/100

Ref Offset 1.21 dB Ref 20.00 dB

Mkr1 5.194 252 GHz 1.298 dBm

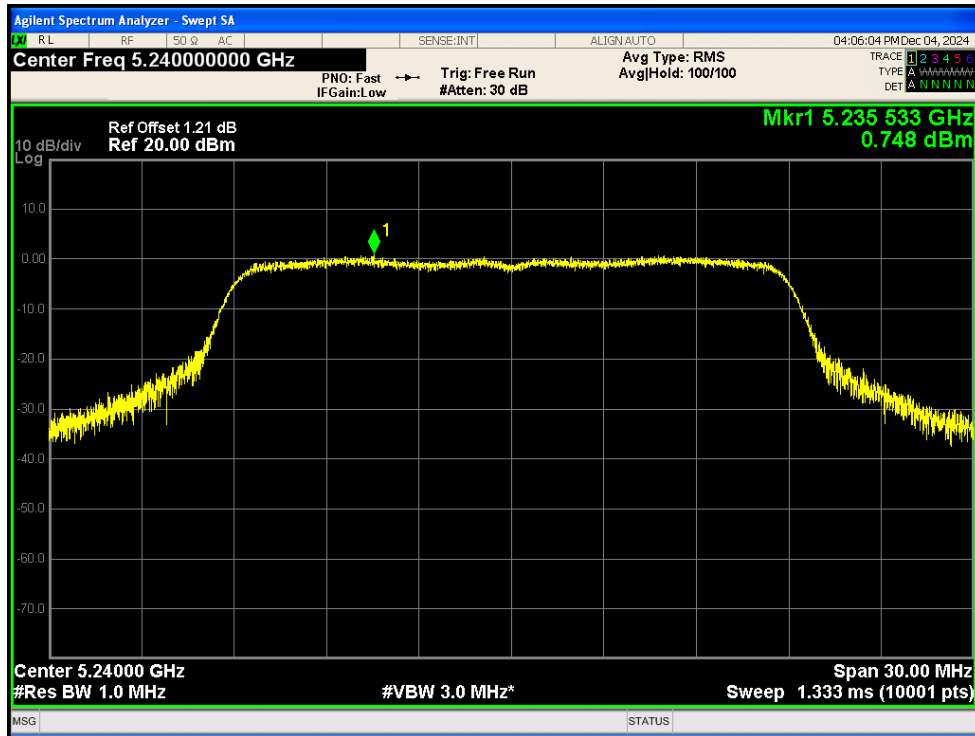
10 dB/div Log

Center 5.20000 GHz Span 30.00 MHz

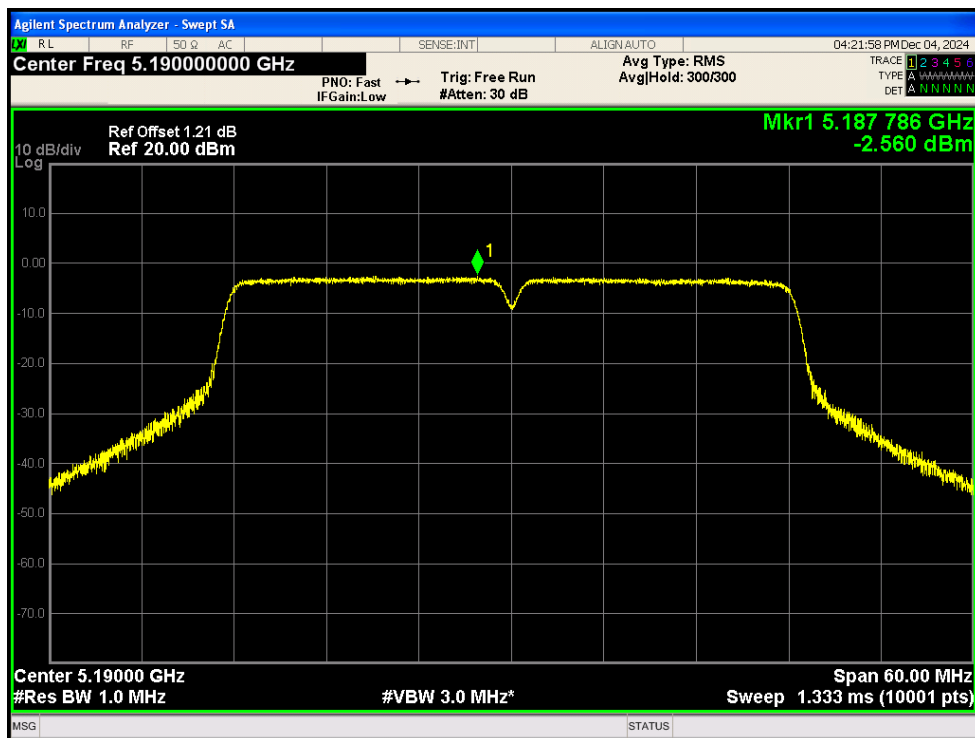
#Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.333 ms (10001 pts)

MSG STATUS

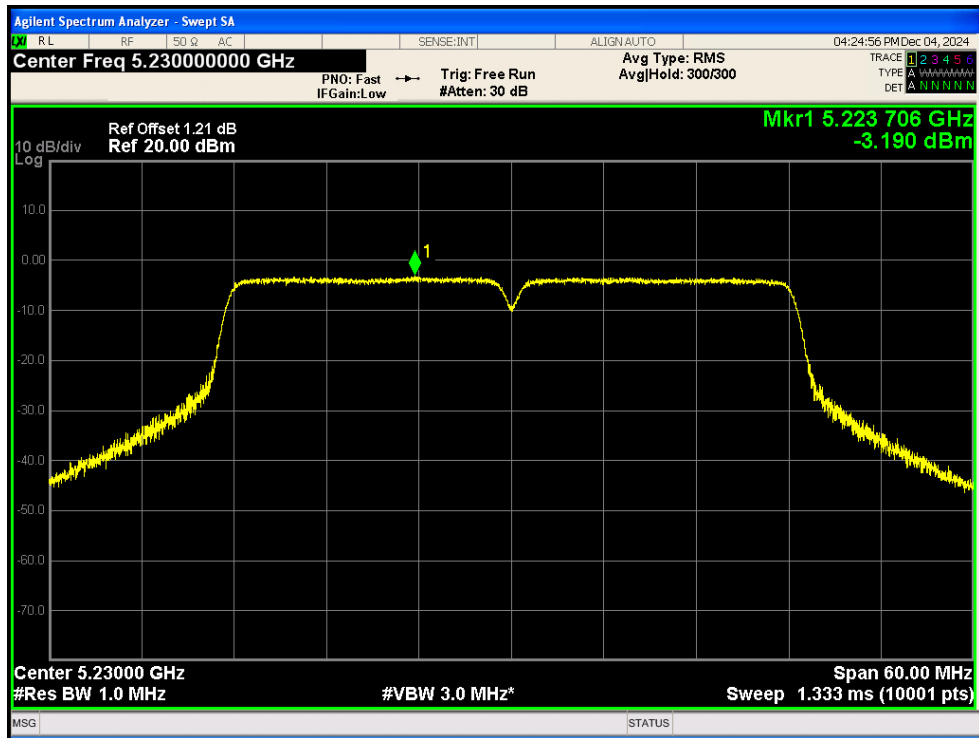
48 / 289



PSD NVNT n40 5190MHz Ant1



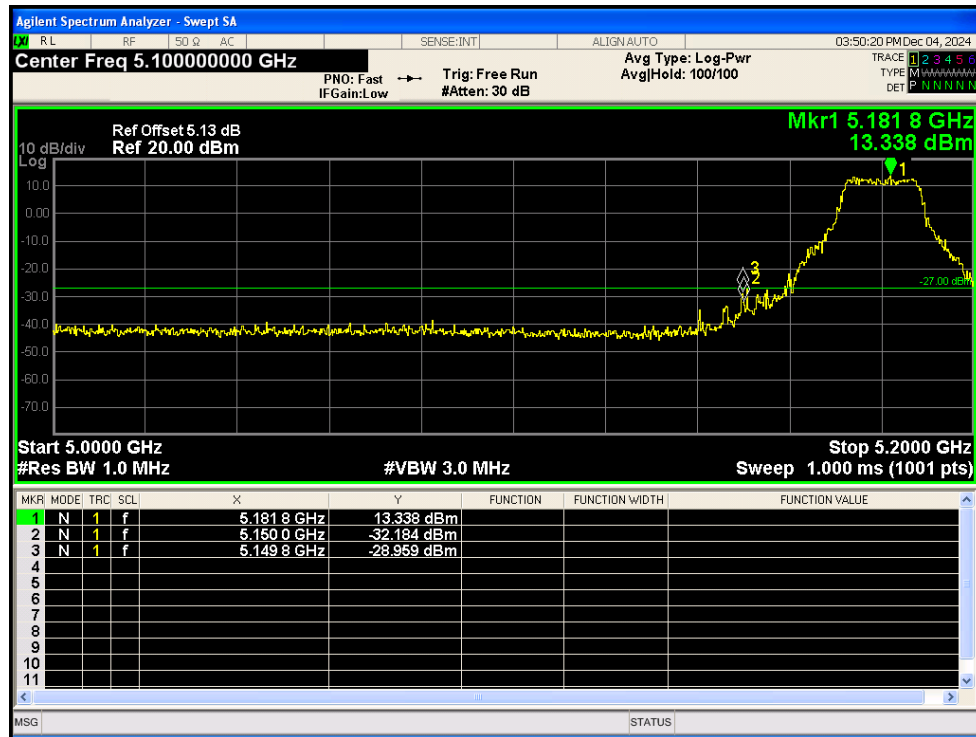
PSD NVNT n40 5230MHz Ant1



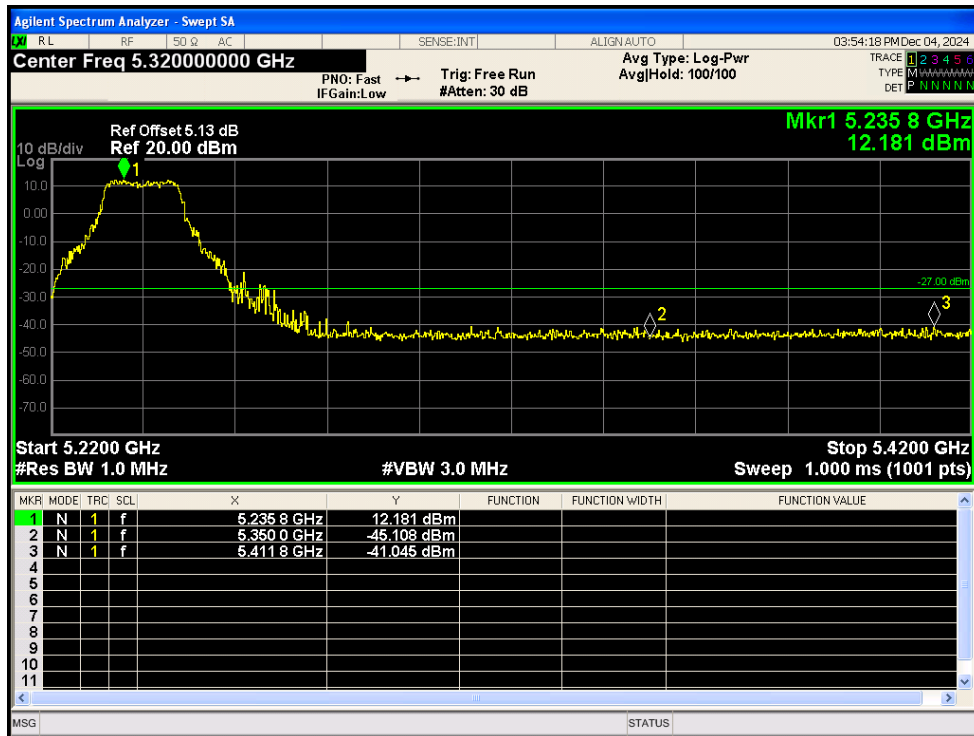
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-28.95	-27	Pass
NVNT	a	5240	Ant1	-41.04	-27	Pass
NVNT	ac20	5180	Ant1	-32.48	-27	Pass
NVNT	ac20	5240	Ant1	-40.68	-27	Pass
NVNT	ac40	5190	Ant1	-27.6	-27	Pass
NVNT	ac40	5230	Ant1	-41.09	-27	Pass
NVNT	ax20	5180	Ant1	-31.51	-27	Pass
NVNT	ax20	5240	Ant1	-40.36	-27	Pass
NVNT	ax40	5190	Ant1	-27.89	-27	Pass
NVNT	ax40	5230	Ant1	-41.54	-27	Pass
NVNT	n20	5180	Ant1	-33.61	-27	Pass
NVNT	n20	5240	Ant1	-41.24	-27	Pass
NVNT	n40	5190	Ant1	-27.54	-27	Pass
NVNT	n40	5230	Ant1	-41.28	-27	Pass

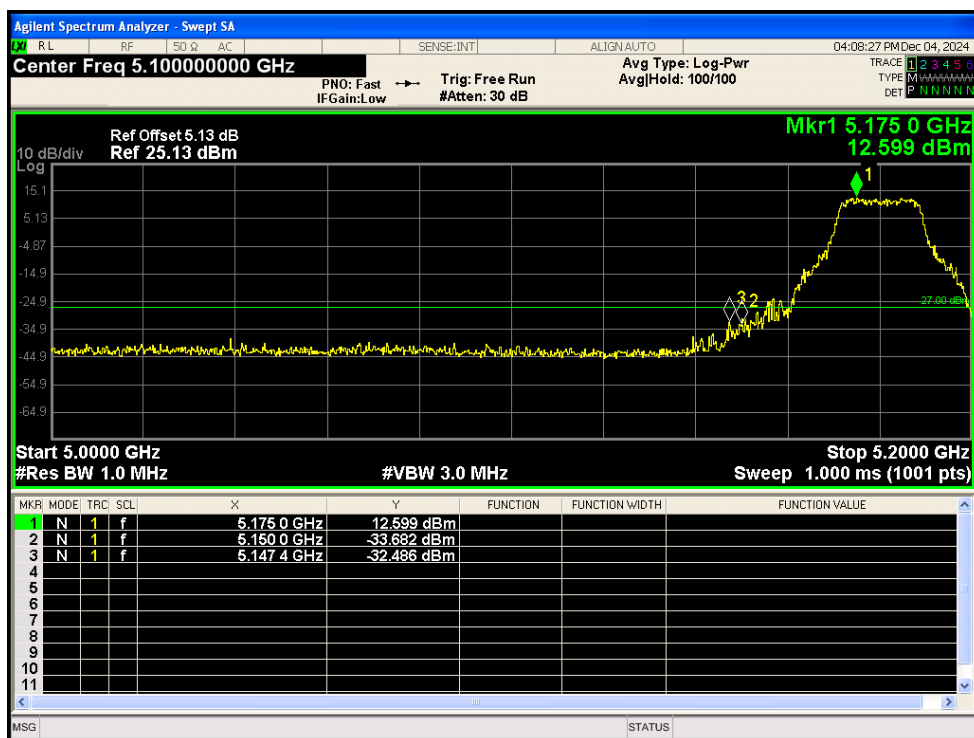
Band Edge NVNT a 5180MHz Low Ant1



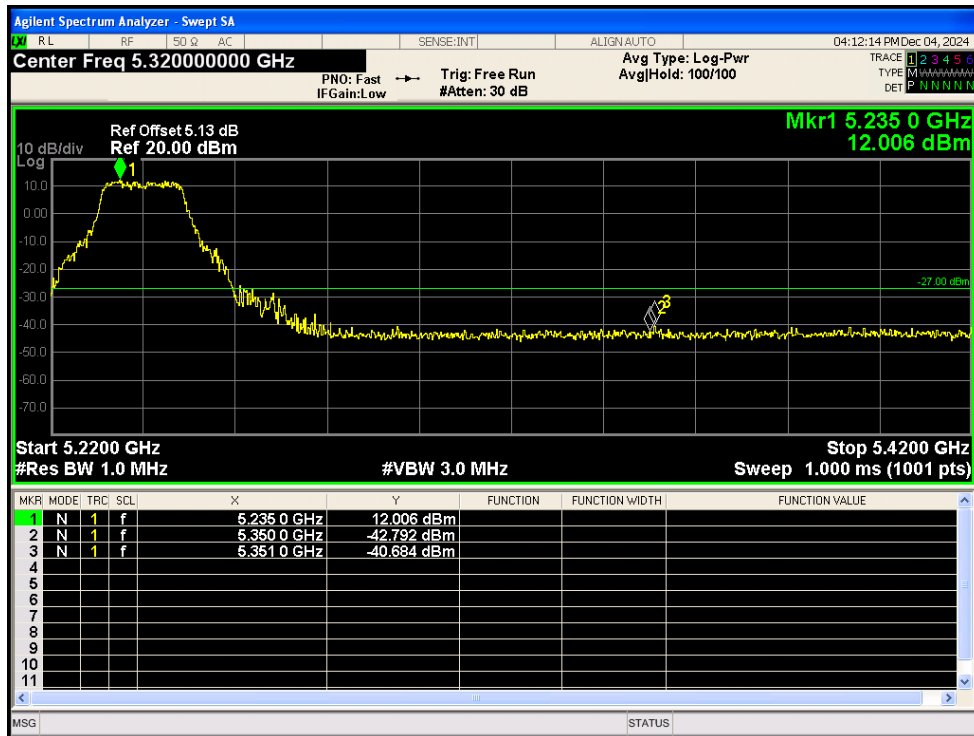
Band Edge NVNT a 5240MHz High Ant1



Band Edge NVNT ac20 5180MHz Low Ant1



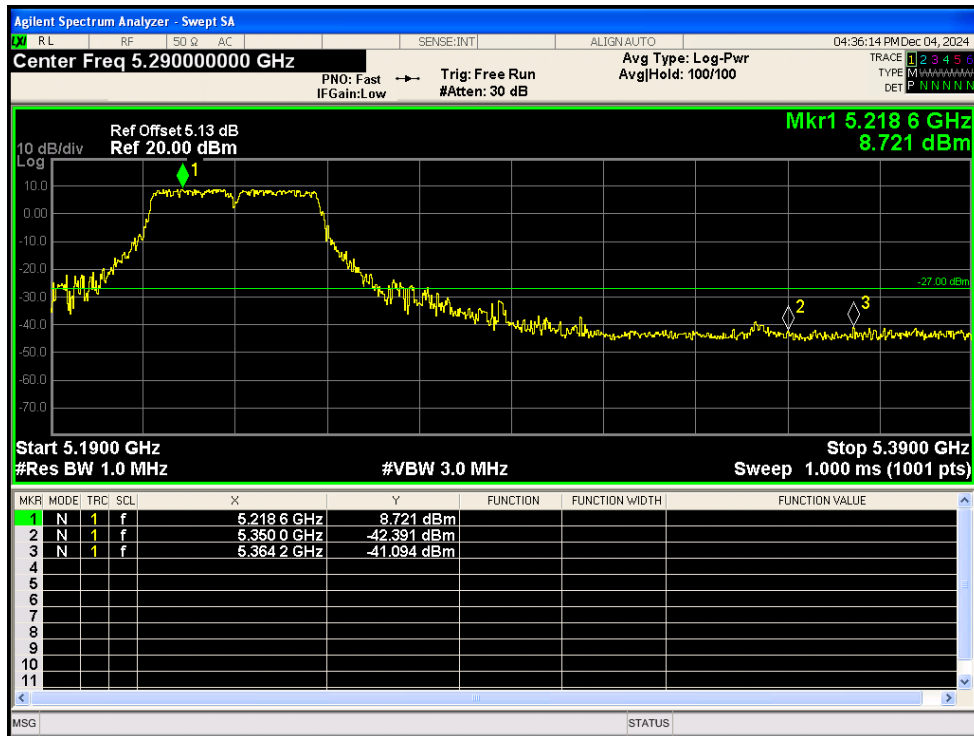
Band Edge NVNT ac20 5240MHz High Ant1



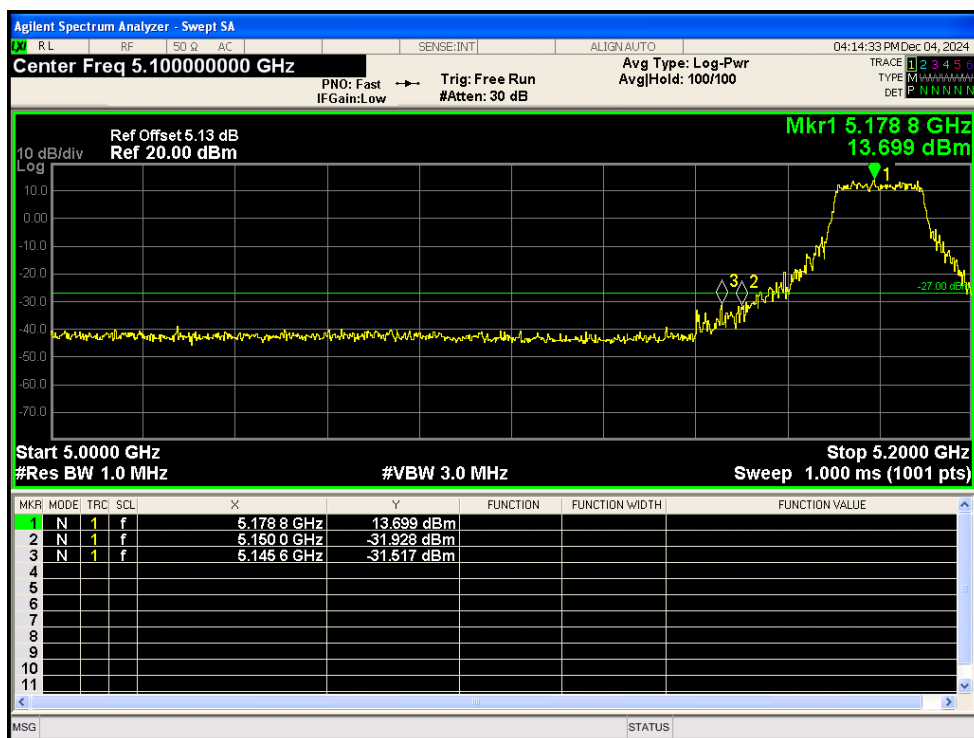
Band Edge NVNT ac40 5190MHz Low Ant1



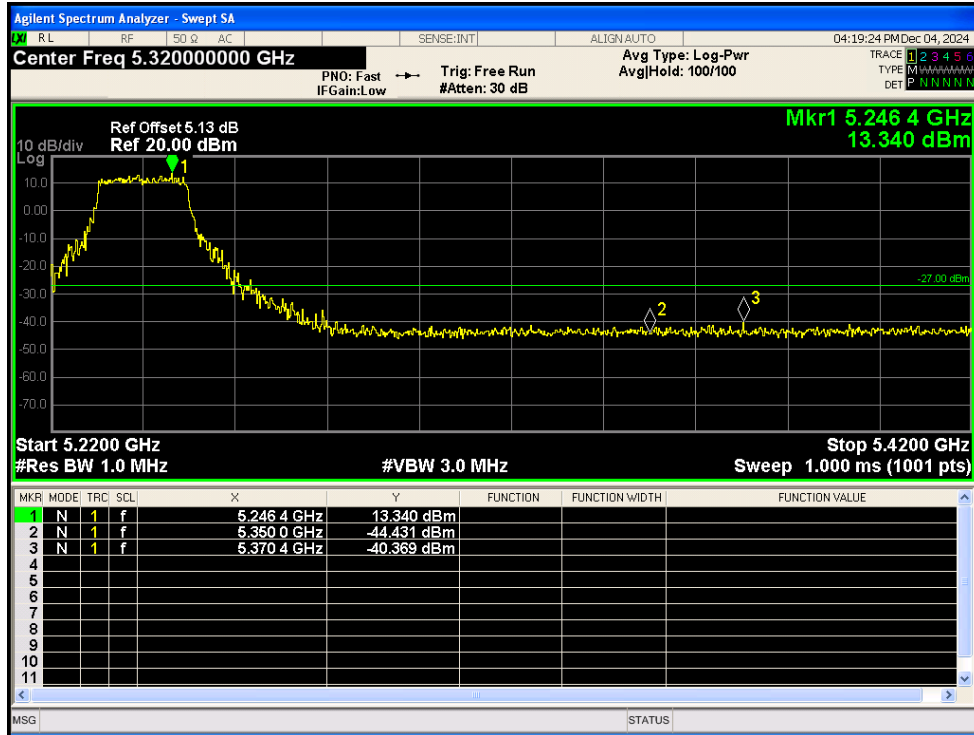
Band Edge NVNT ac40 5230MHz High Ant1



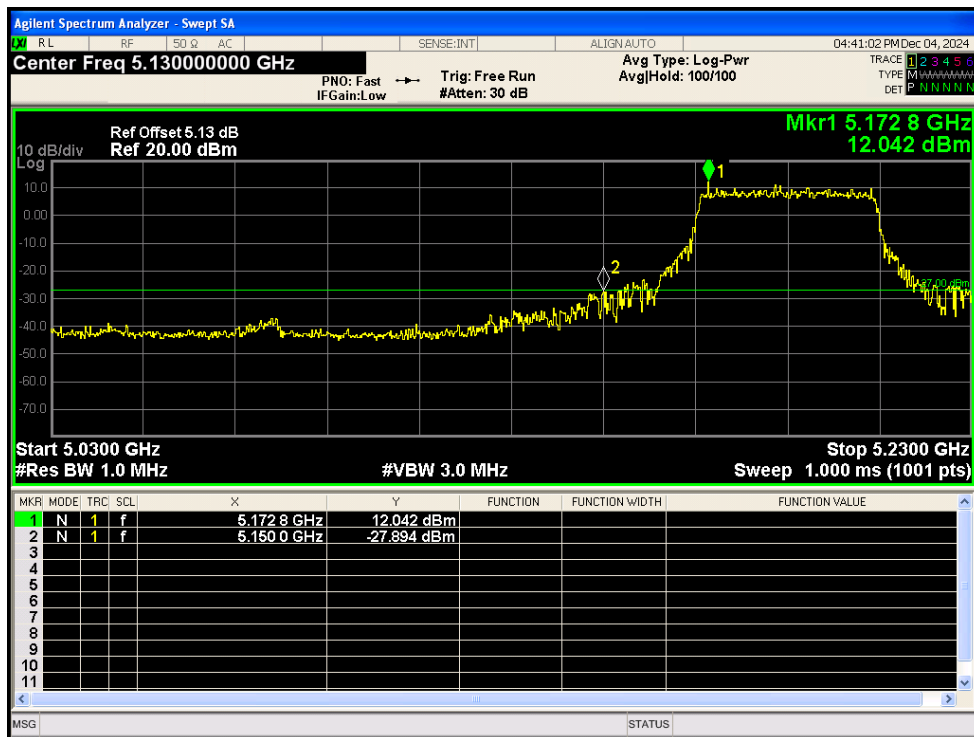
Band Edge NVNT ax20 5180MHz Low Ant1



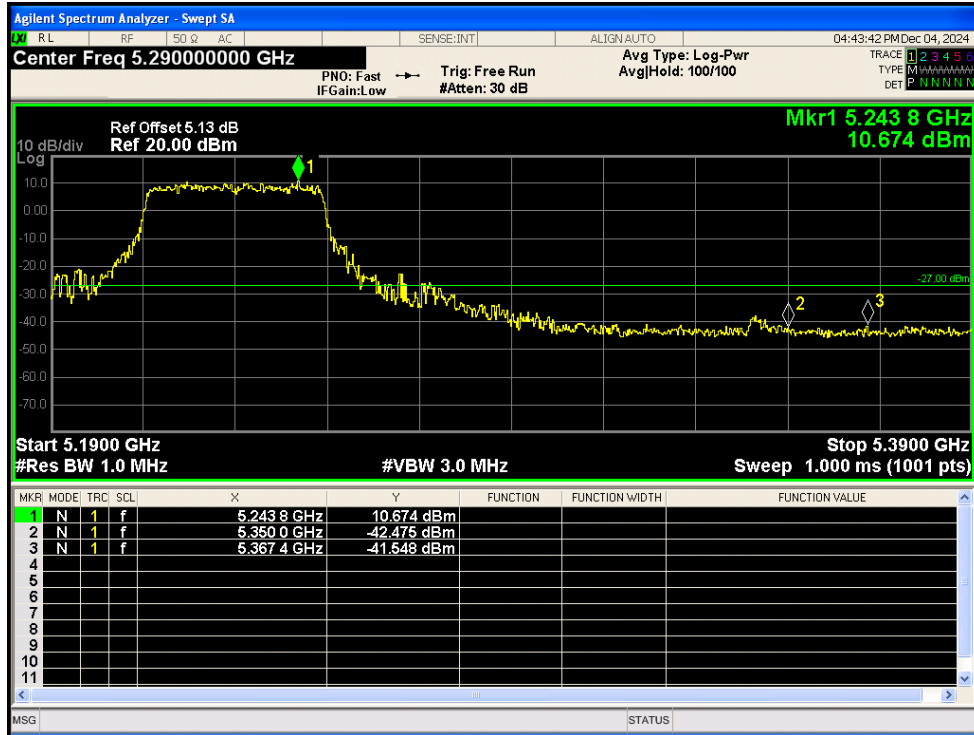
Band Edge NVNT ax20 5240MHz High Ant1



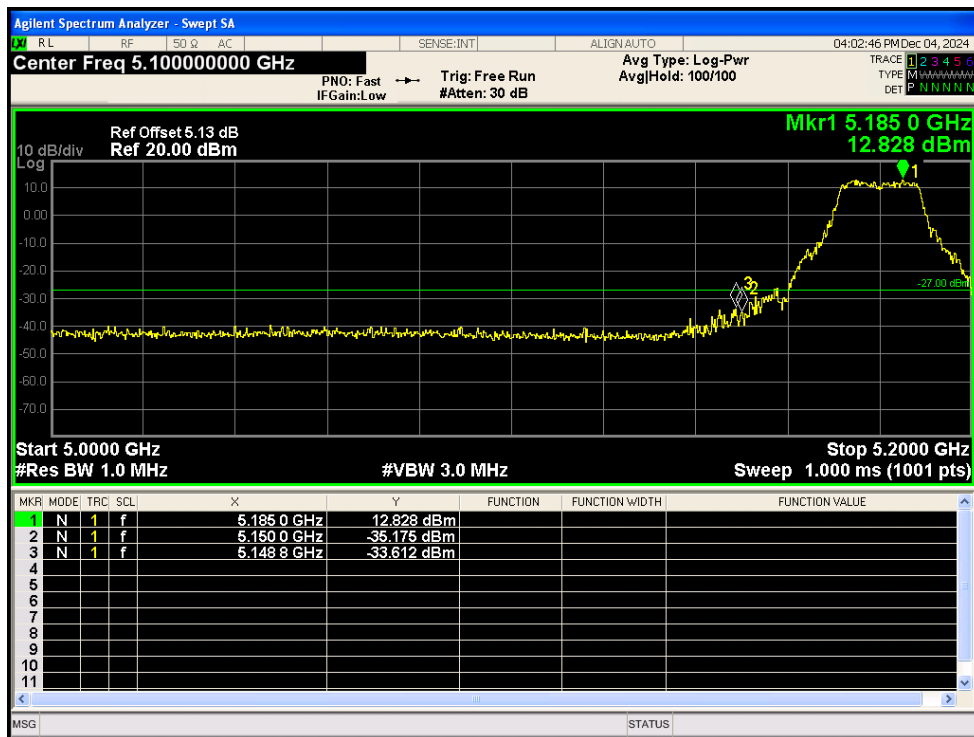
Band Edge NVNT ax40 5190MHz Low Ant1



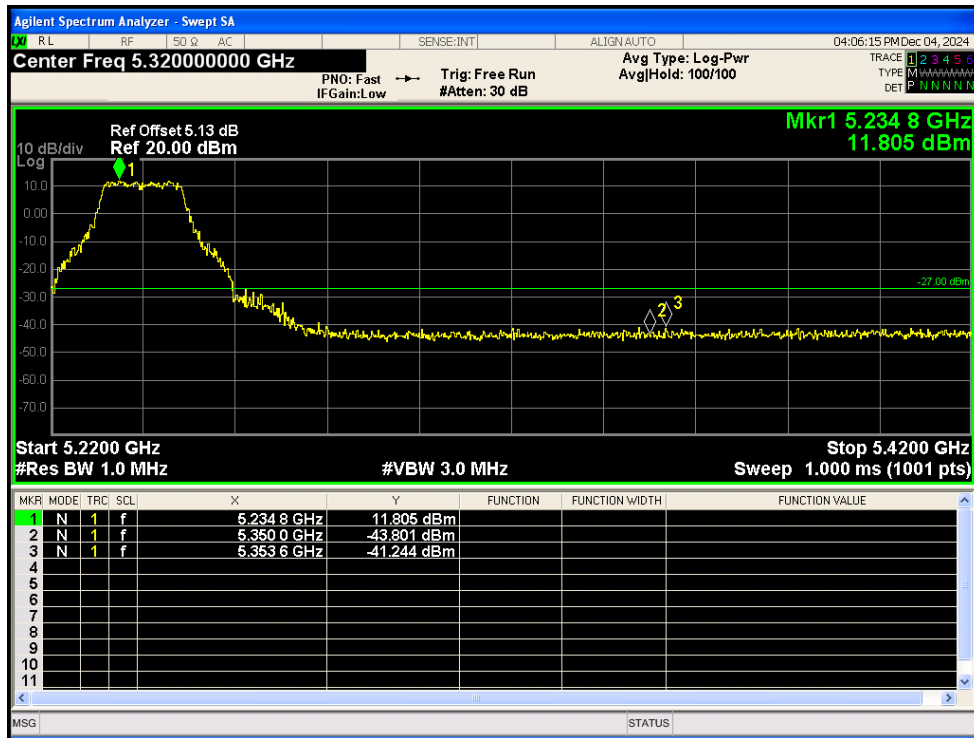
Band Edge NVNT ax40 5230MHz High Ant1



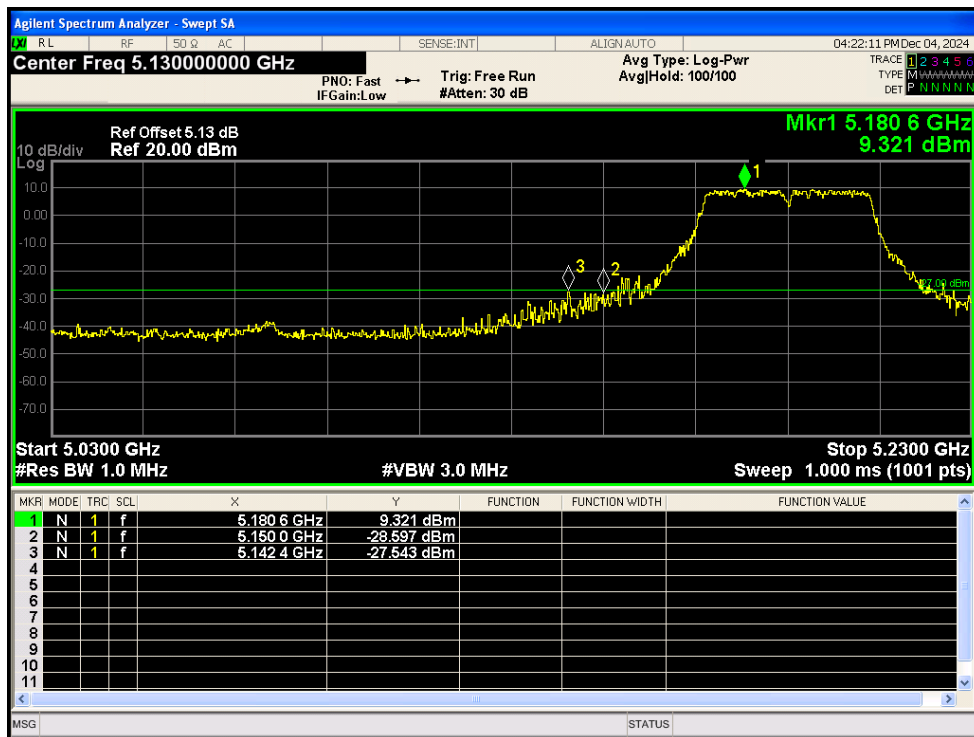
Band Edge NVNT n20 5180MHz Low Ant1



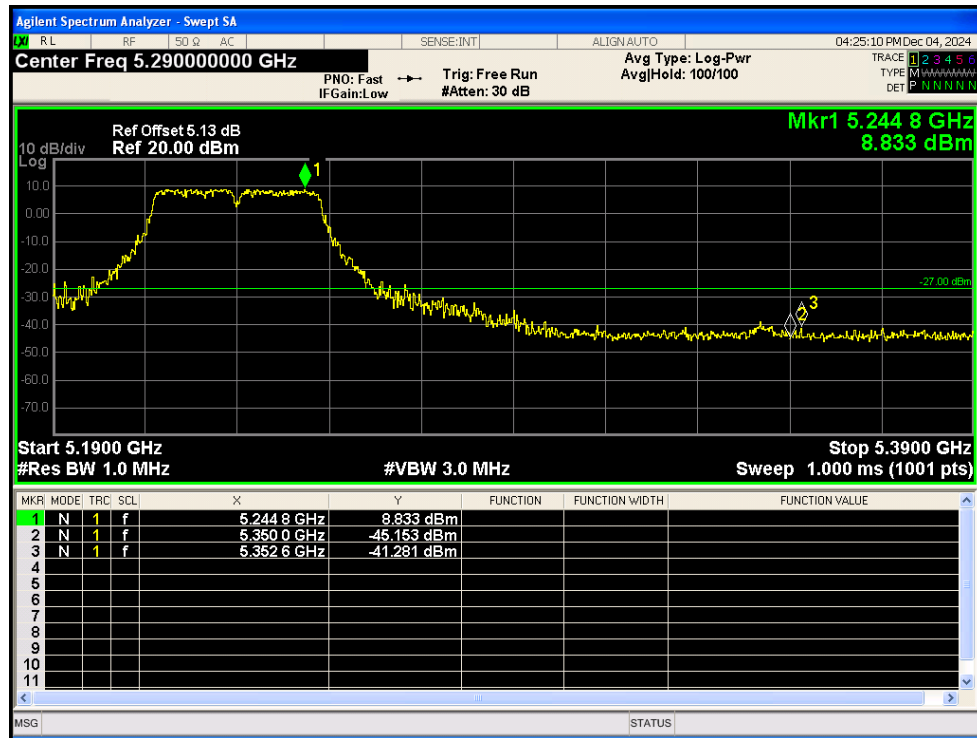
Band Edge NVNT n20 5240MHz High Ant1



Band Edge NVNT n40 5190MHz Low Ant1



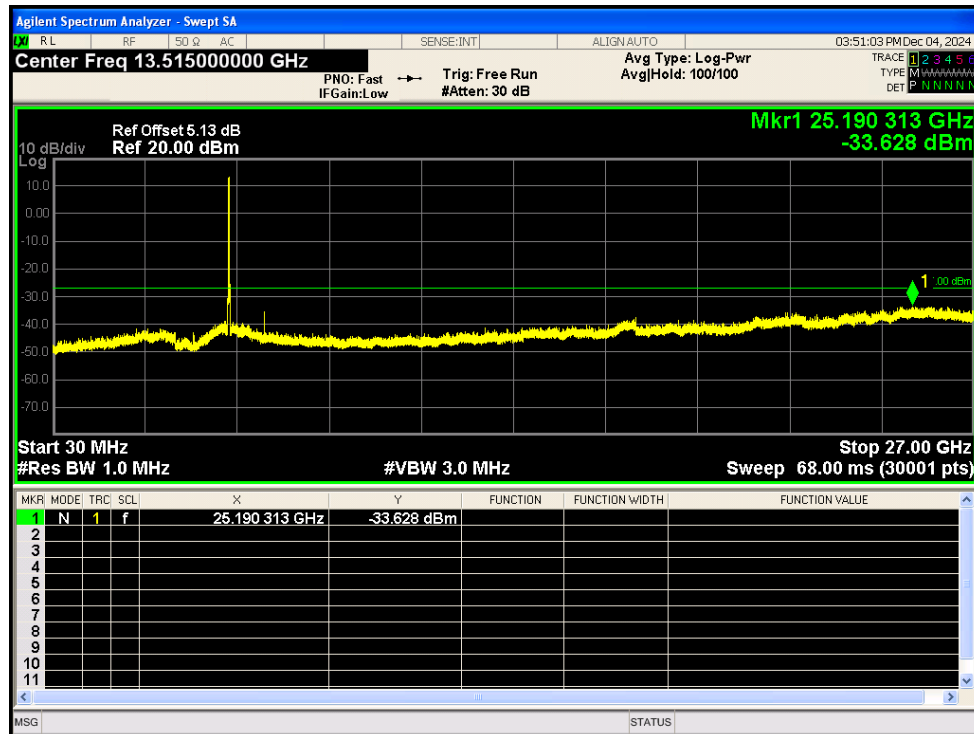
Band Edge NVNT n40 5230MHz High Ant1



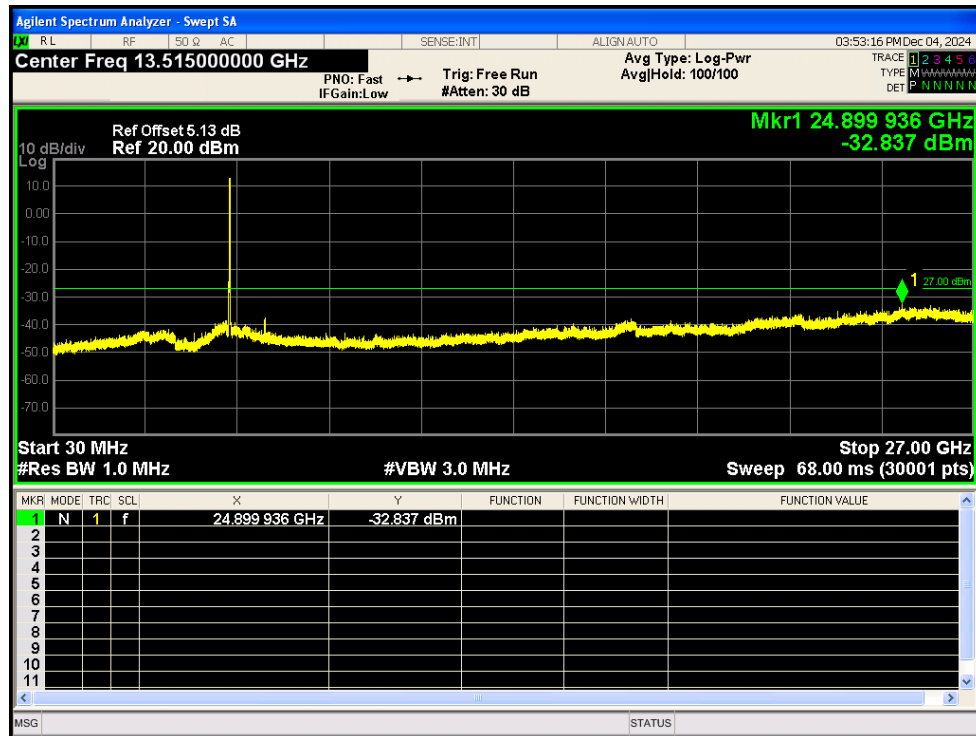
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-33.62	-27	Pass
NVNT	a	5200	Ant1	-32.83	-27	Pass
NVNT	a	5240	Ant1	-33.25	-27	Pass
NVNT	ac20	5180	Ant1	-32.86	-27	Pass
NVNT	ac20	5200	Ant1	-32.65	-27	Pass
NVNT	ac20	5240	Ant1	-32.87	-27	Pass
NVNT	ac40	5190	Ant1	-33.1	-27	Pass
NVNT	ac40	5230	Ant1	-32.48	-27	Pass
NVNT	ax20	5180	Ant1	-33.39	-27	Pass
NVNT	ax20	5200	Ant1	-32.32	-27	Pass
NVNT	ax20	5240	Ant1	-32.35	-27	Pass
NVNT	ax40	5190	Ant1	-32.41	-27	Pass
NVNT	ax40	5230	Ant1	-33	-27	Pass
NVNT	n20	5180	Ant1	-32.93	-27	Pass
NVNT	n20	5200	Ant1	-32.84	-27	Pass
NVNT	n20	5240	Ant1	-33.2	-27	Pass
NVNT	n40	5190	Ant1	-33.26	-27	Pass
NVNT	n40	5230	Ant1	-33.28	-27	Pass

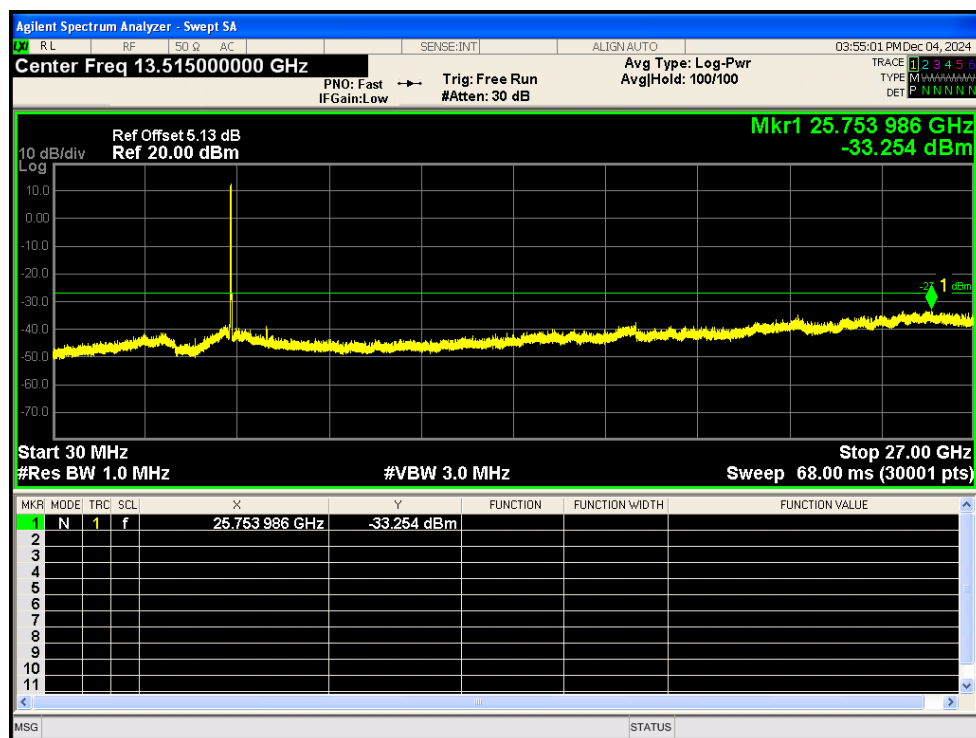
Tx. Spurious NVNT a 5180MHz Ant1 Emission



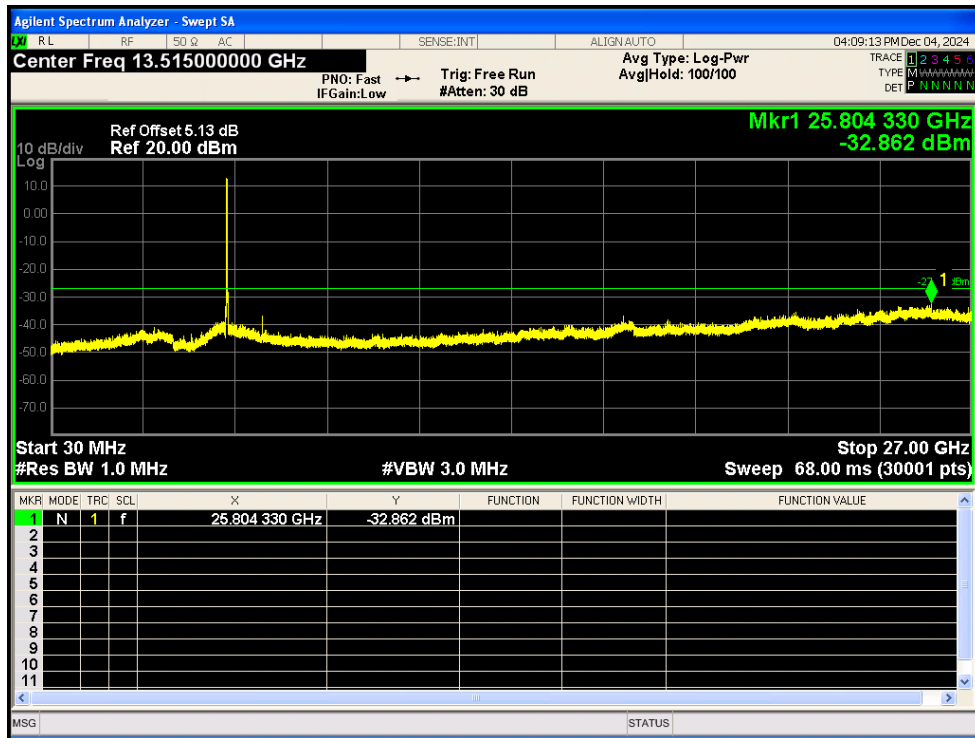
Tx. Spurious NVNT a 5200MHz Ant1 Emission



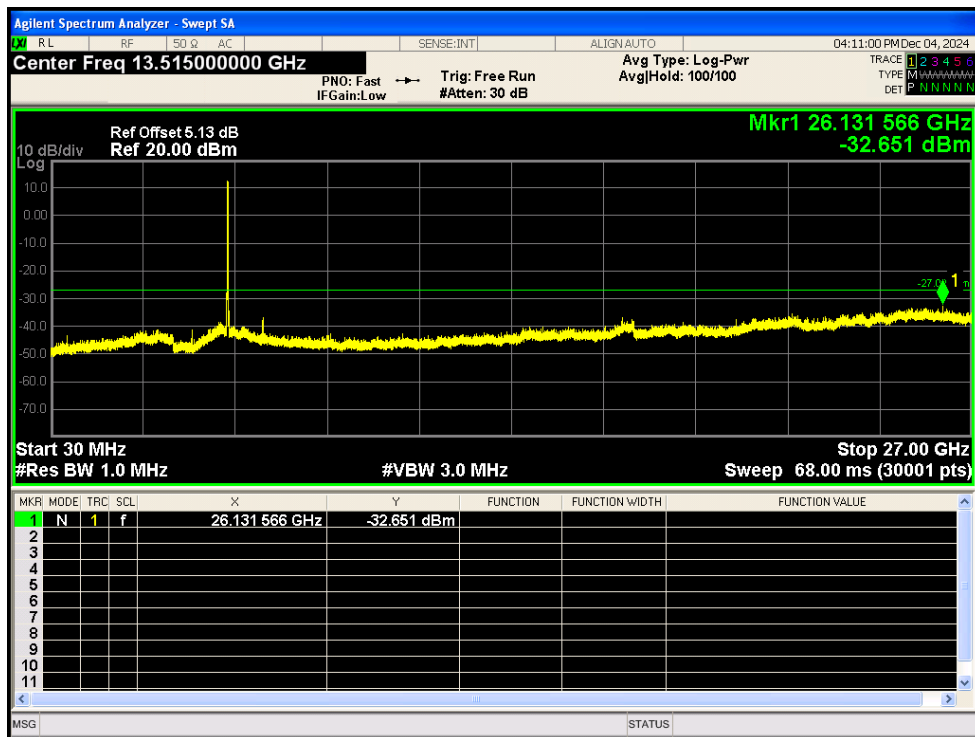
Tx. Spurious NVNT a 5240MHz Ant1 Emission



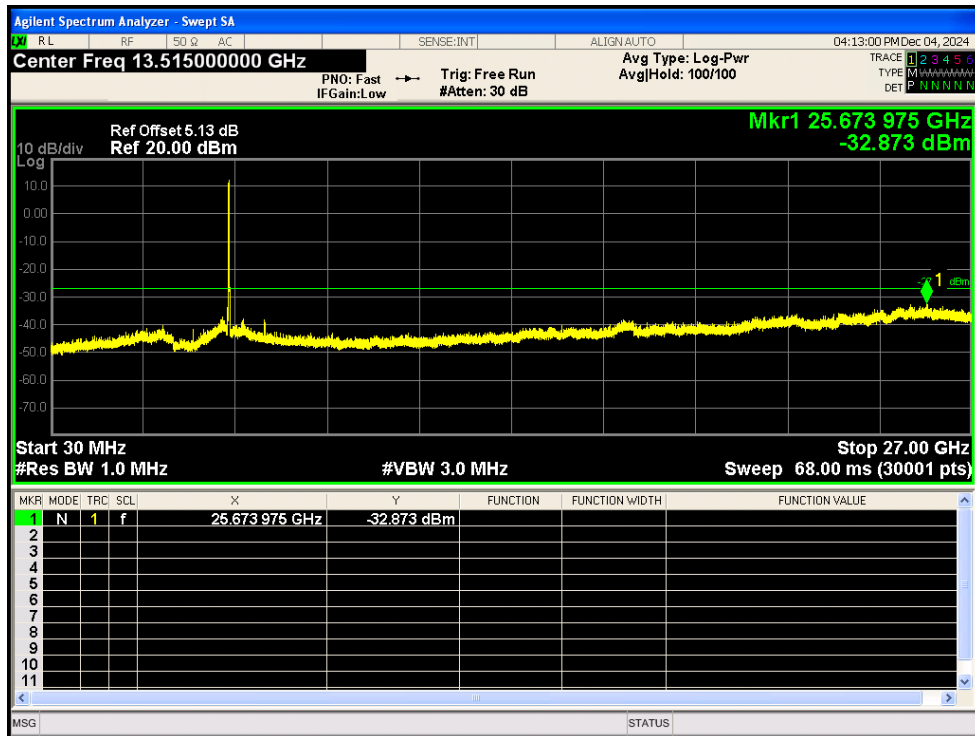
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



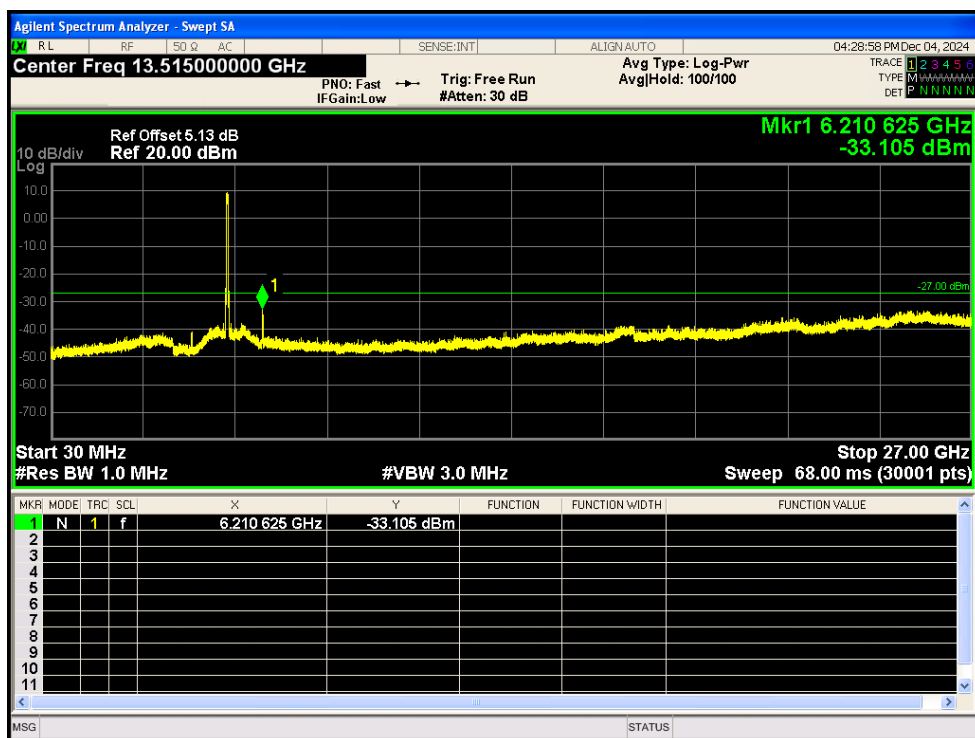
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



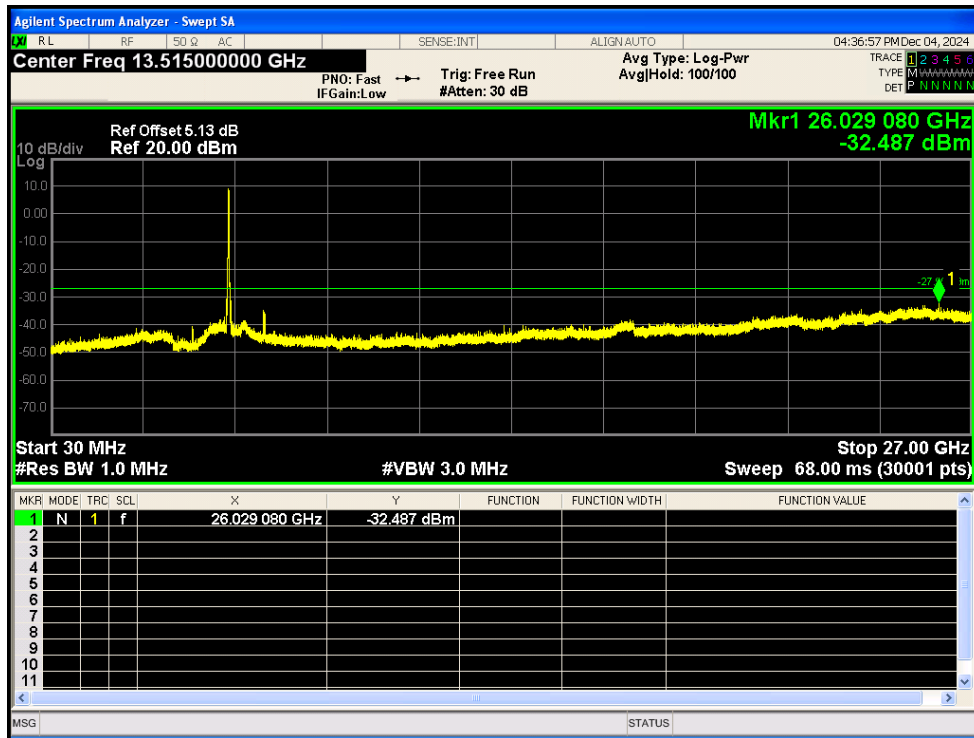
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



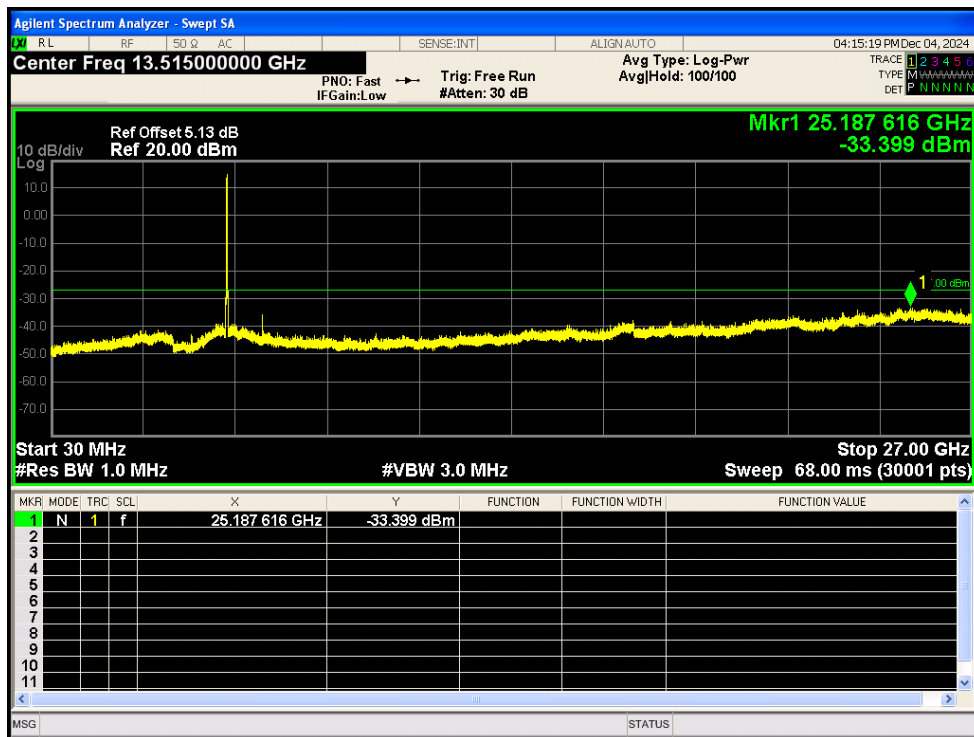
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



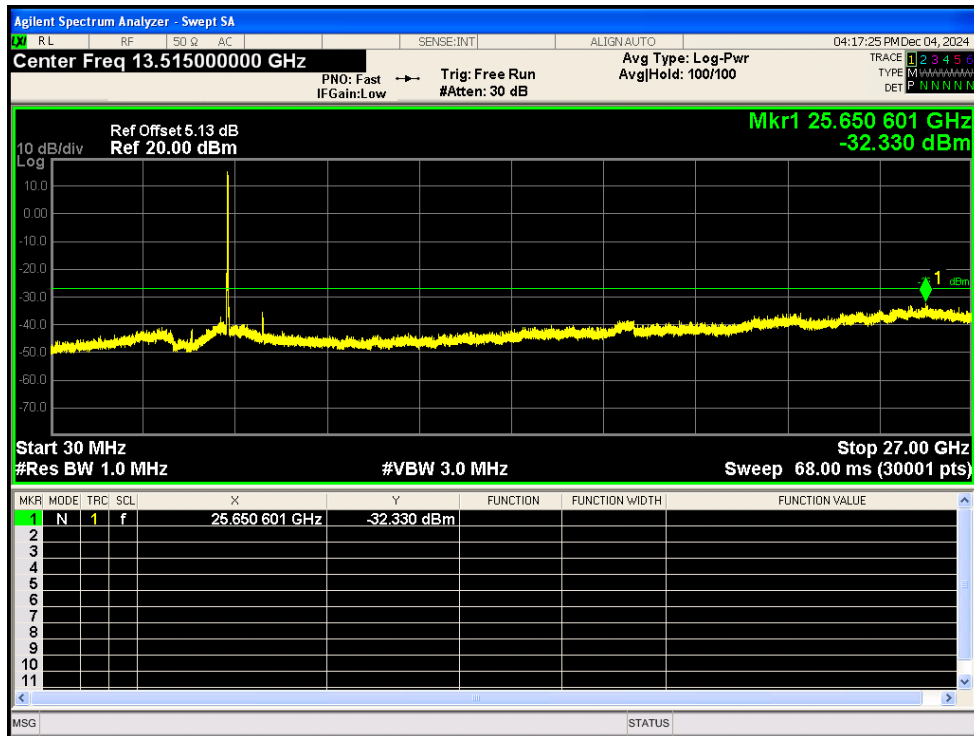
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



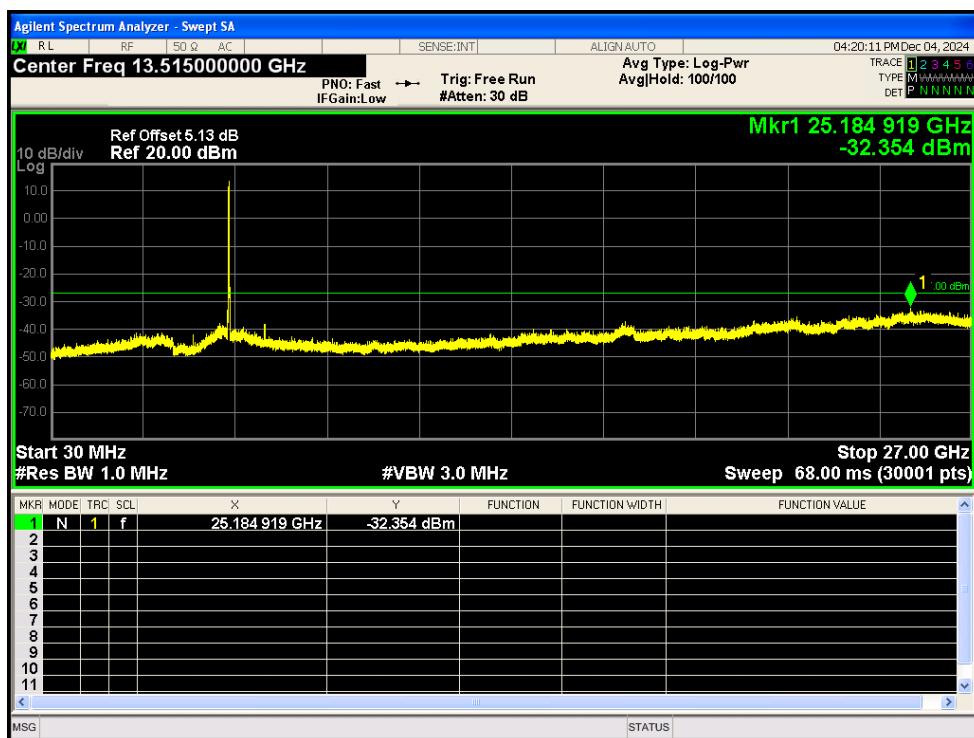
Tx. Spurious NVNT ax20 5180MHz Ant1 Emission



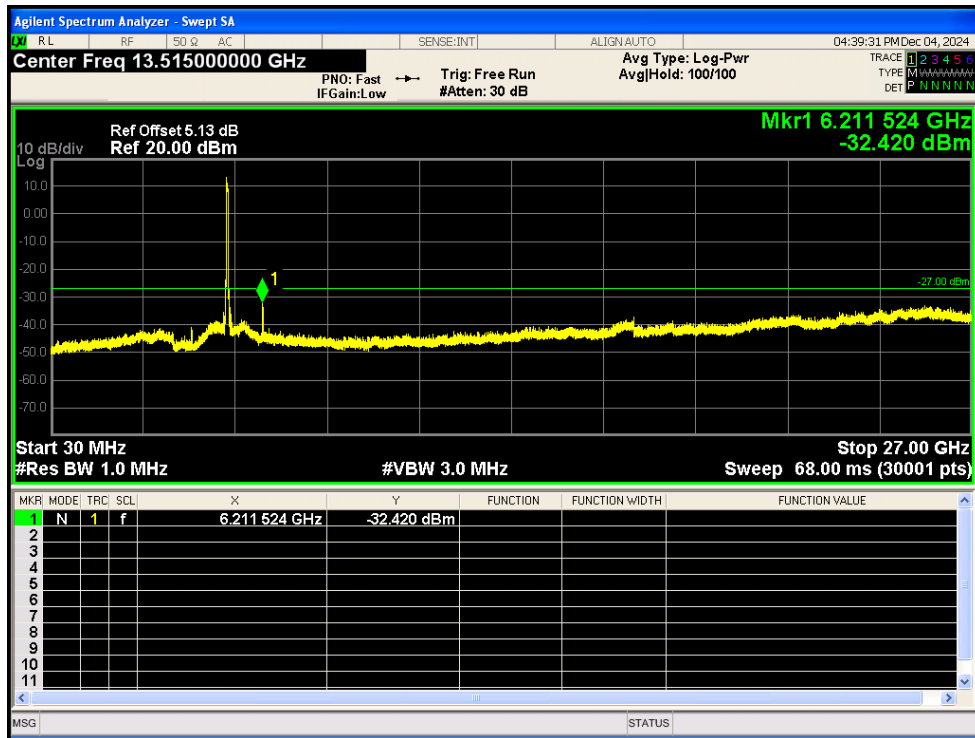
Tx. Spurious NVNT ax20 5200MHz Ant1 Emission



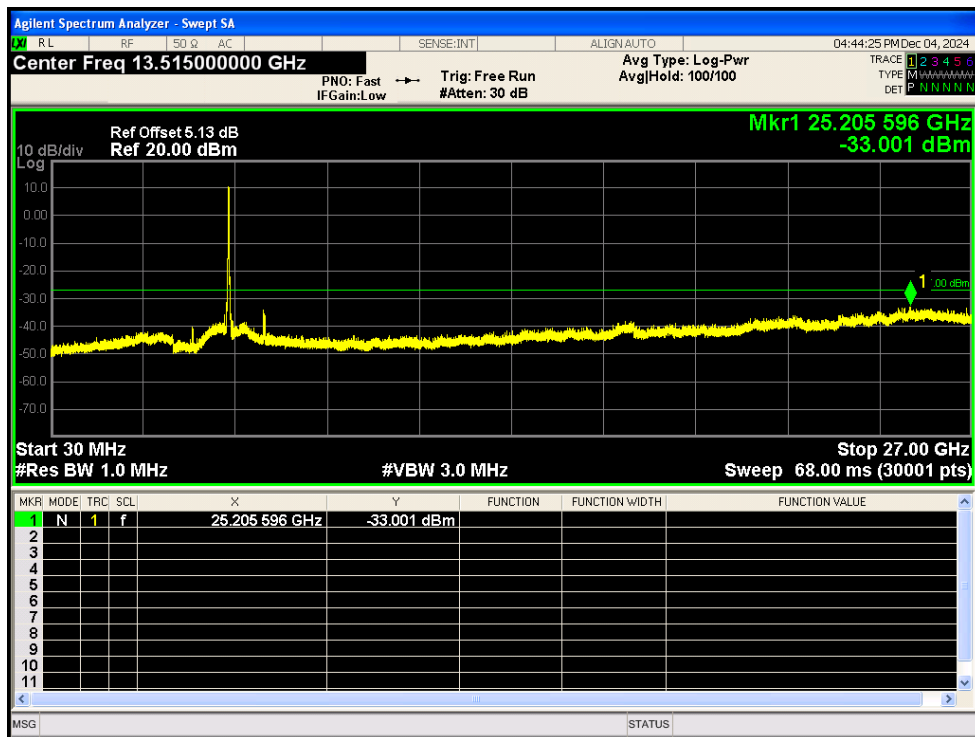
Tx. Spurious NVNT ax20 5240MHz Ant1 Emission



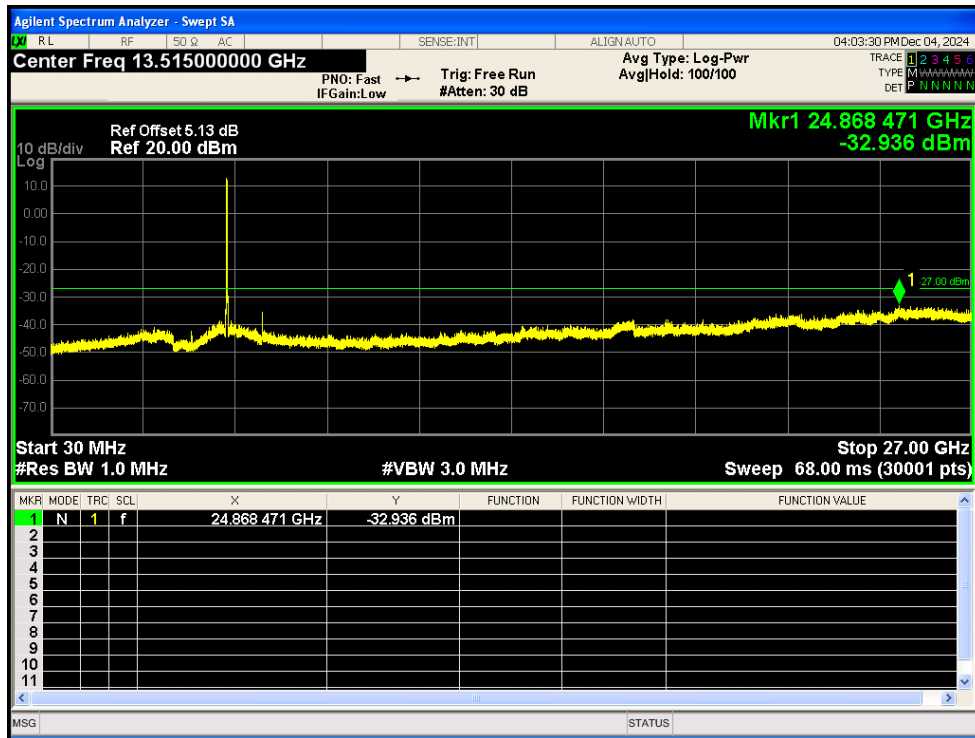
Tx. Spurious NVNT ax40 5190MHz Ant1 Emission



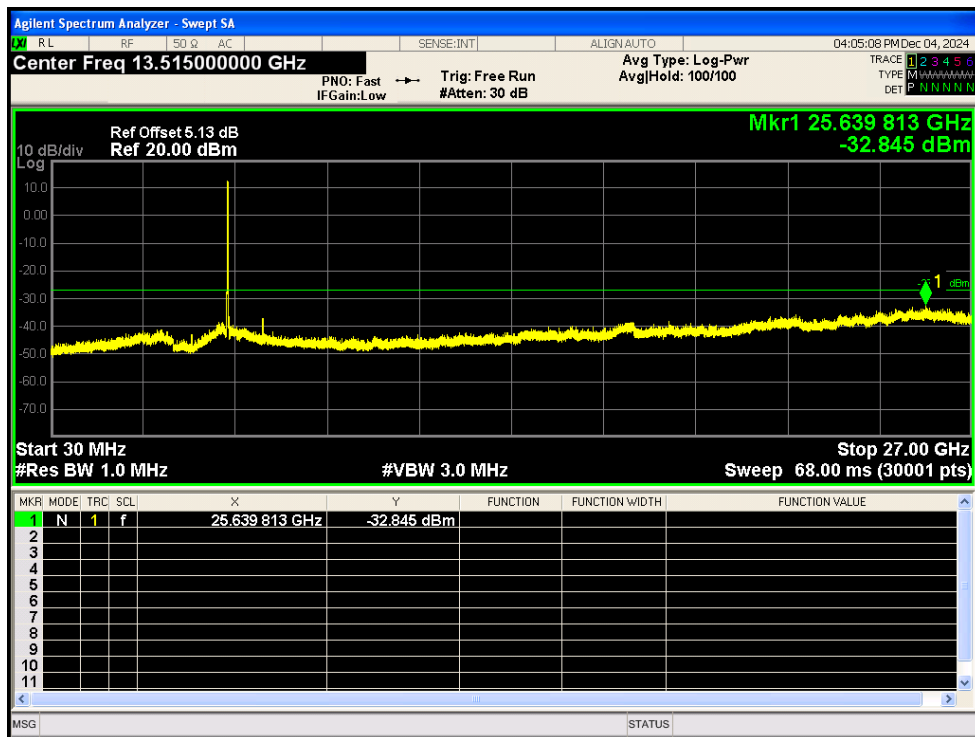
Tx. Spurious NVNT ax40 5230MHz Ant1 Emission



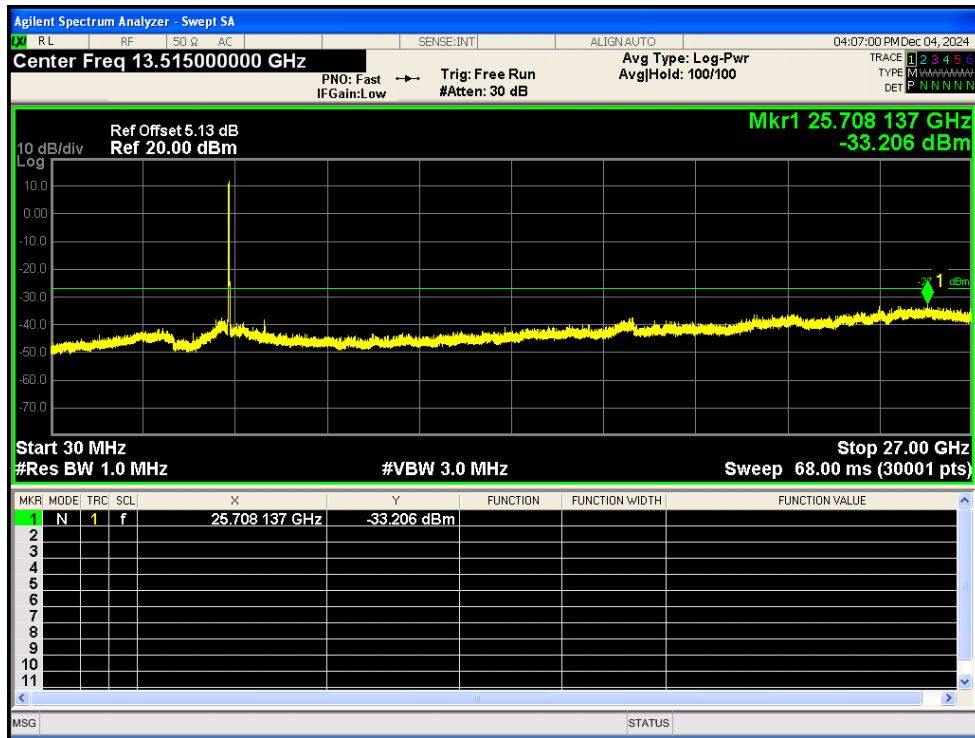
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



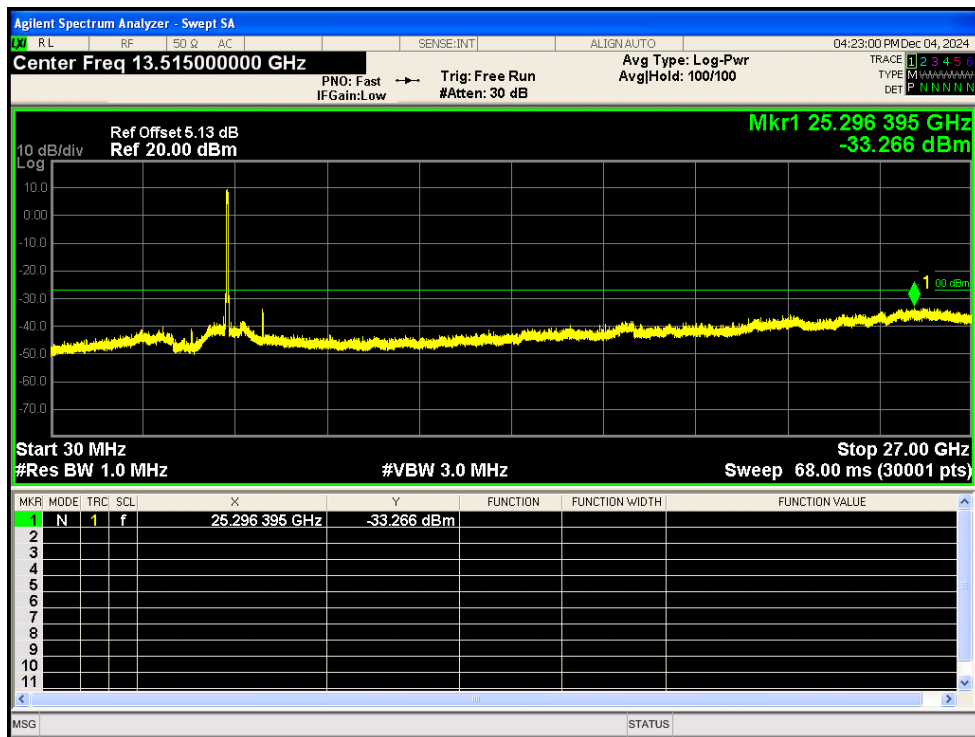
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



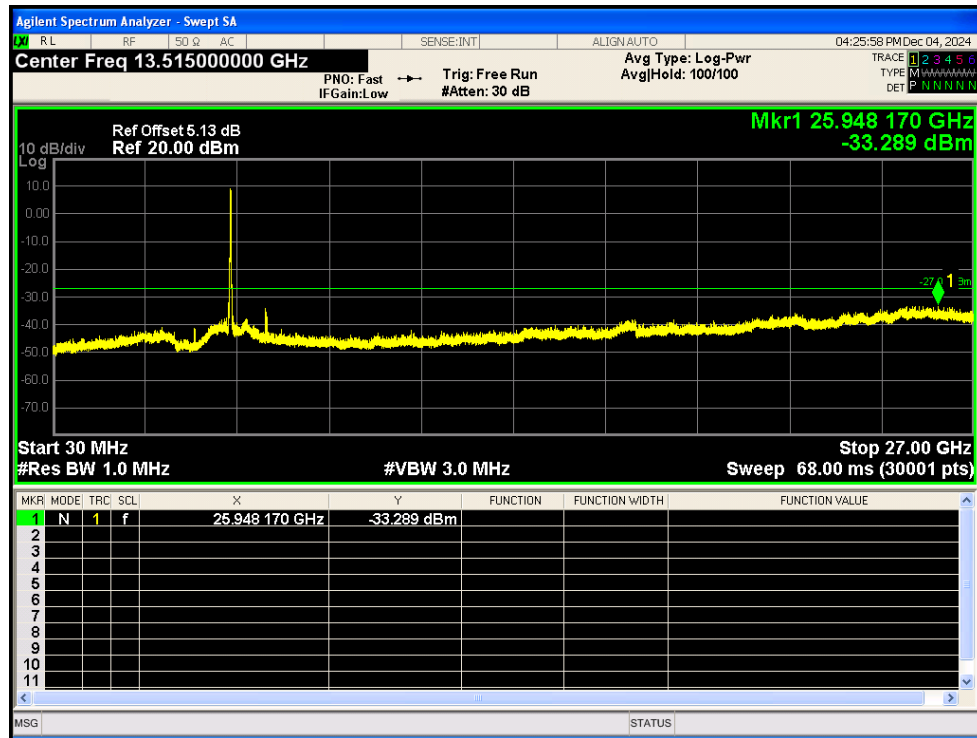
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



Tx. Spurious NVNT n40 5190MHz Ant1 Emission



Tx. Spurious NVNT n40 5230MHz Ant1 Emission

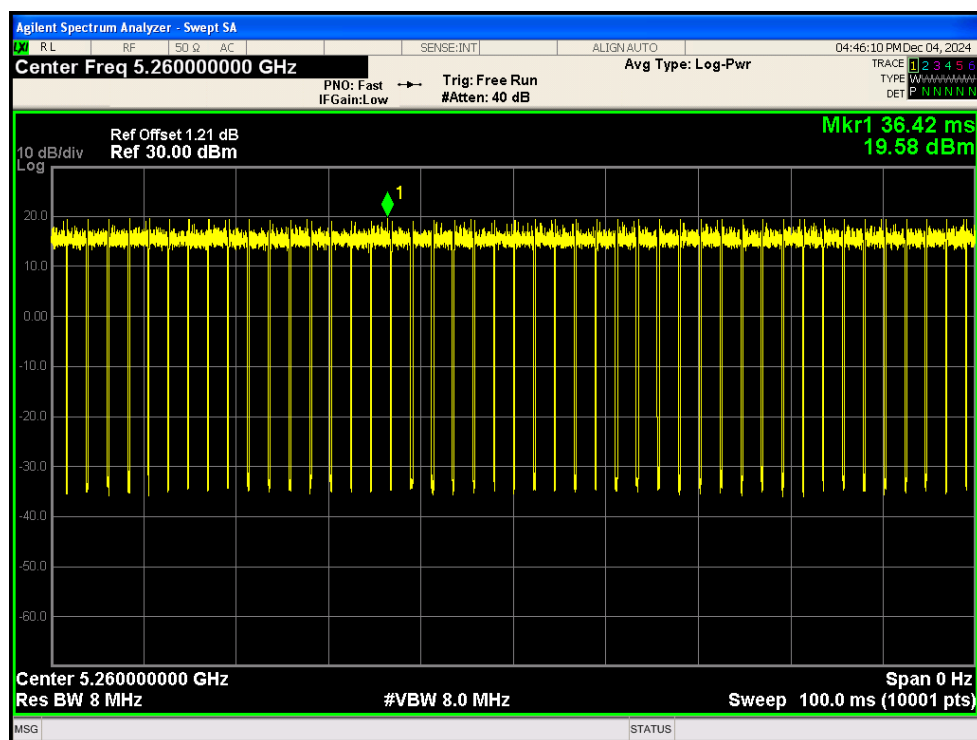


WIFI 5.3G

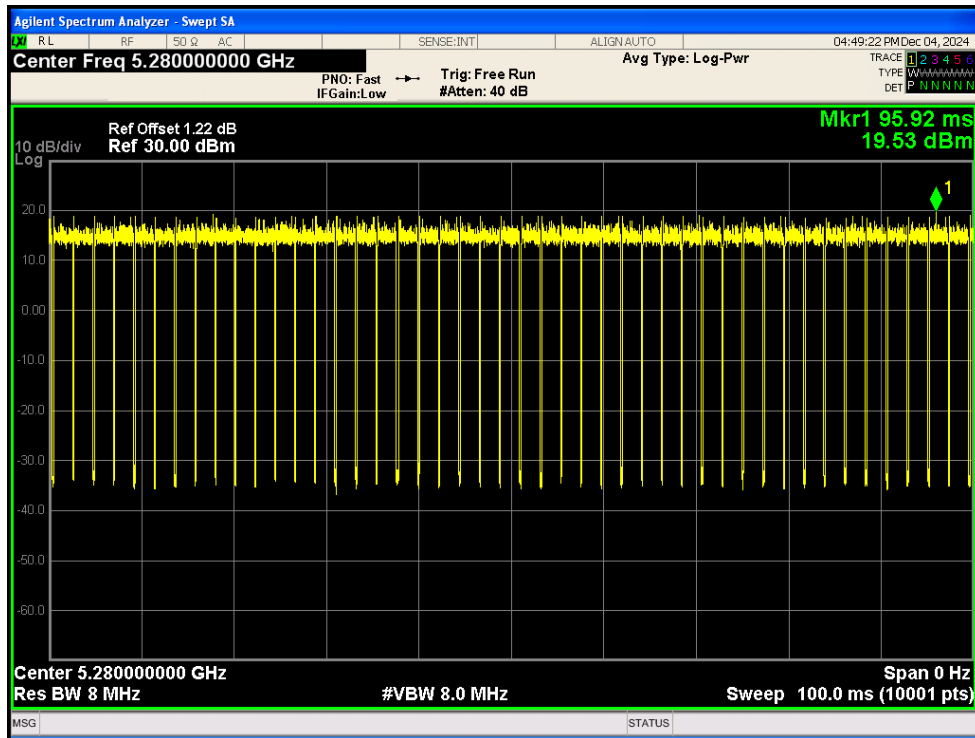
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5260	Ant1	92.44	0.34
NVNT	a	5280	Ant1	92.61	0.33
NVNT	a	5320	Ant1	95.09	0.22
NVNT	ac20	5260	Ant1	95.18	0.21
NVNT	ac20	5280	Ant1	95.51	0.2
NVNT	ac20	5320	Ant1	95.04	0.22
NVNT	ac40	5270	Ant1	86.24	0.64
NVNT	ac40	5310	Ant1	91.09	0.41
NVNT	ax20	5260	Ant1	93.81	0.28
NVNT	ax20	5280	Ant1	94.04	0.27
NVNT	ax20	5320	Ant1	93.51	0.29
NVNT	ax40	5270	Ant1	88.7	0.52
NVNT	ax40	5310	Ant1	88.15	0.55
NVNT	n20	5260	Ant1	94.94	0.23
NVNT	n20	5280	Ant1	92.35	0.35
NVNT	n20	5320	Ant1	95.2	0.21
NVNT	n40	5270	Ant1	91.11	0.4
NVNT	n40	5310	Ant1	86.16	0.65

Duty Cycle NVNT a 5260MHz Ant1



Duty Cycle NVNT a 5280MHz Ant1



Duty Cycle NVNT a 5320MHz Ant1

