



Appendix A for 5GWIFI Test Data

Product Name: MINI PC

Test Model: FN100

Environmental Conditions

Temperature:	21.6° C
Relative Humidity:	54%
ATM Pressure:	101.2 kPa
Test Engineer:	Jim Liu
Supervised by:	Lake Xie



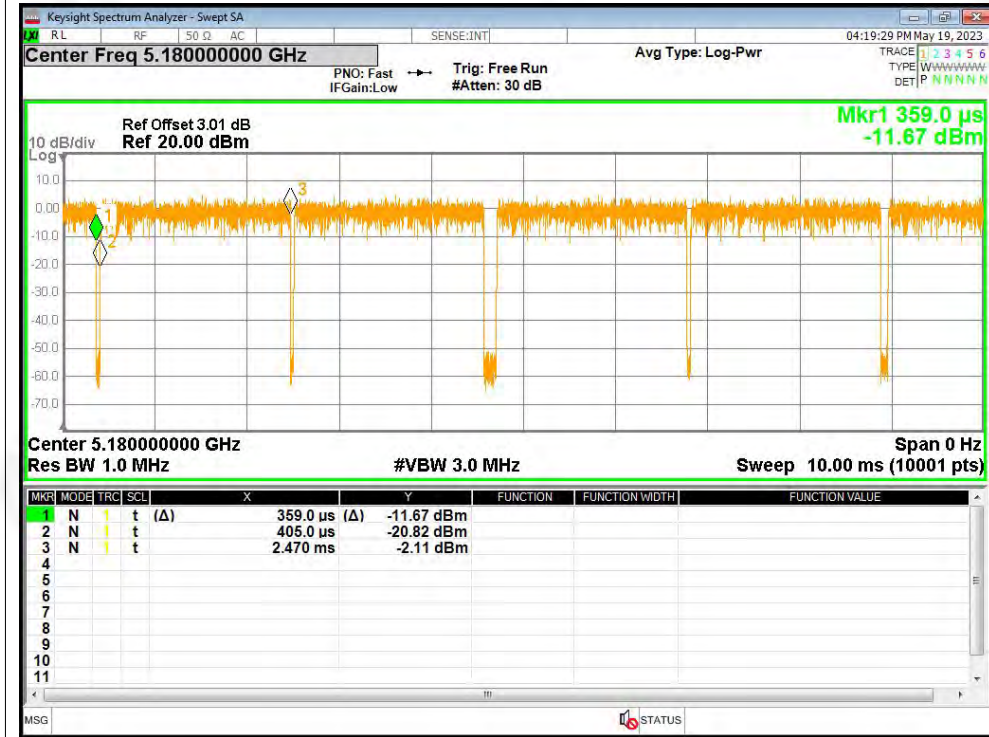
A.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.82	0.1	0.48
NVNT	a	5200	Ant1	93.11	0.31	0.48
NVNT	a	5240	Ant1	95.78	0.19	0.48
NVNT	n20	5180	Ant1	95.1	0.22	0.52
NVNT	n20	5200	Ant1	93.44	0.29	0.52
NVNT	n20	5240	Ant1	95.48	0.2	0.52
NVNT	n40	5190	Ant1	96.18	0.17	0.48
NVNT	n40	5230	Ant1	98.19	0	0.48
NVNT	ac20	5180	Ant1	94.16	0.26	0.48
NVNT	ac20	5200	Ant1	96.54	0.15	0.48
NVNT	ac20	5240	Ant1	94.99	0.22	0.48
NVNT	ac40	5190	Ant1	95.38	0.21	0.48
NVNT	ac40	5230	Ant1	93.06	0.31	0.48
NVNT	ac80	5210	Ant1	93.82	0.28	0.48
NVNT	ax20	5180	Ant1	96.18	0.17	0.48
NVNT	ax20	5200	Ant1	96.54	0.15	0.48
NVNT	ax20	5240	Ant1	94.55	0.24	0.48
NVNT	ax40	5190	Ant1	93.39	0.3	0.48
NVNT	ax40	5230	Ant1	94.55	0.24	0.48
NVNT	ax80	5210	Ant1	94.94	0.23	0.48



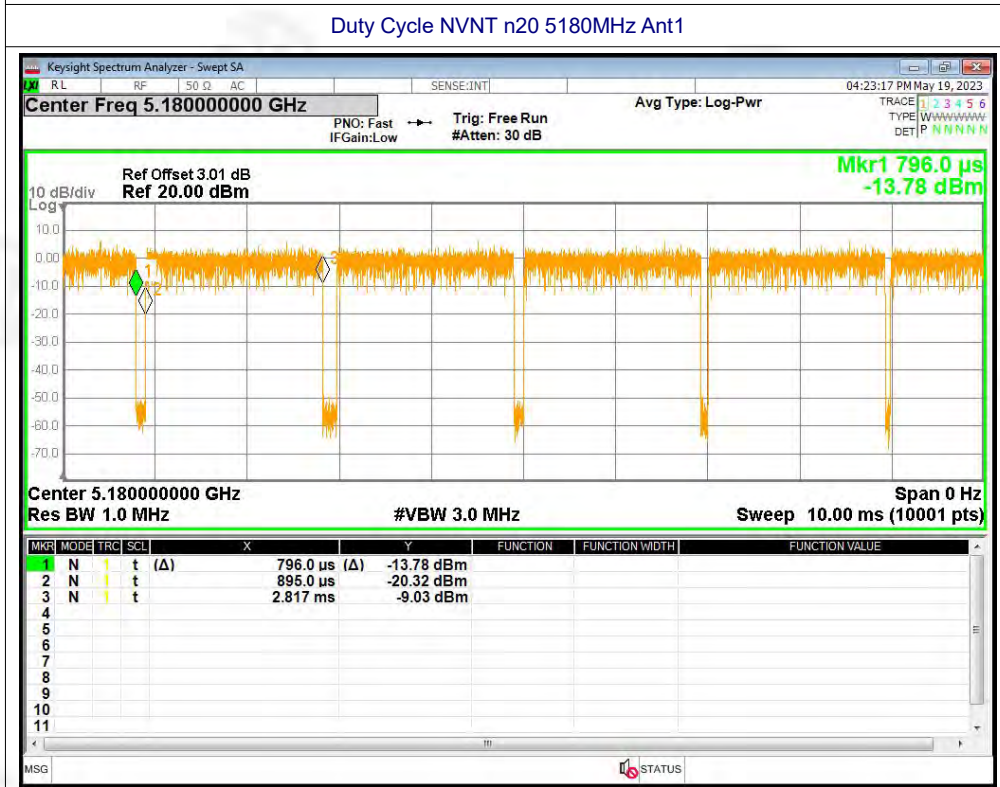
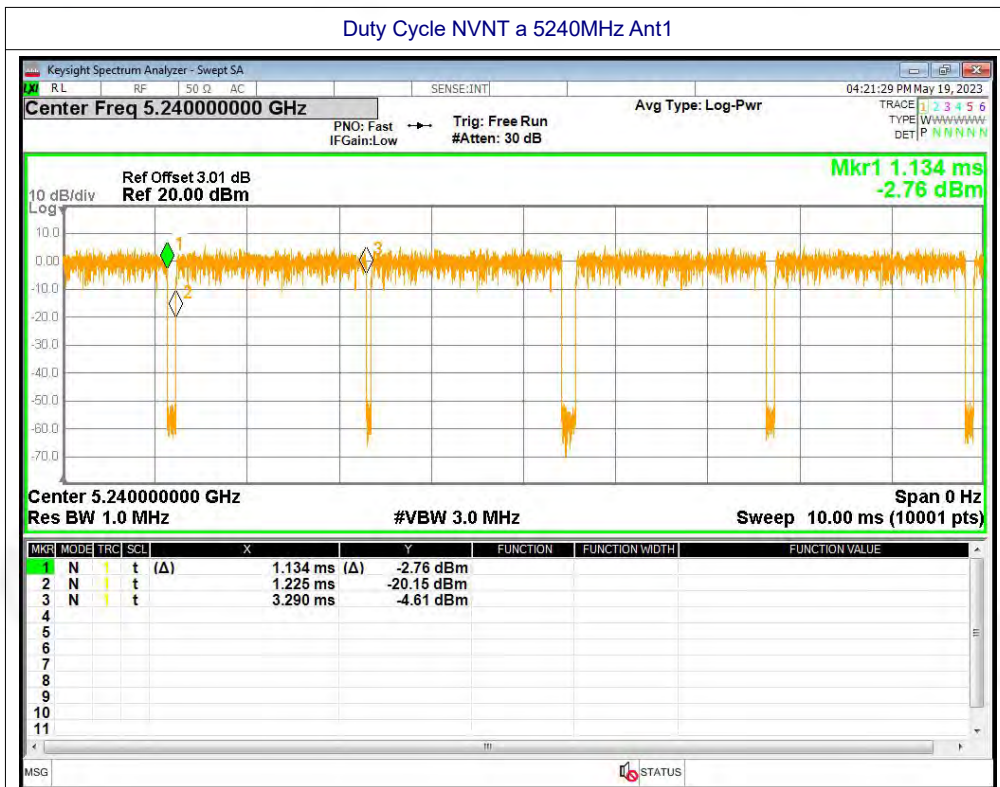
Test Graphs

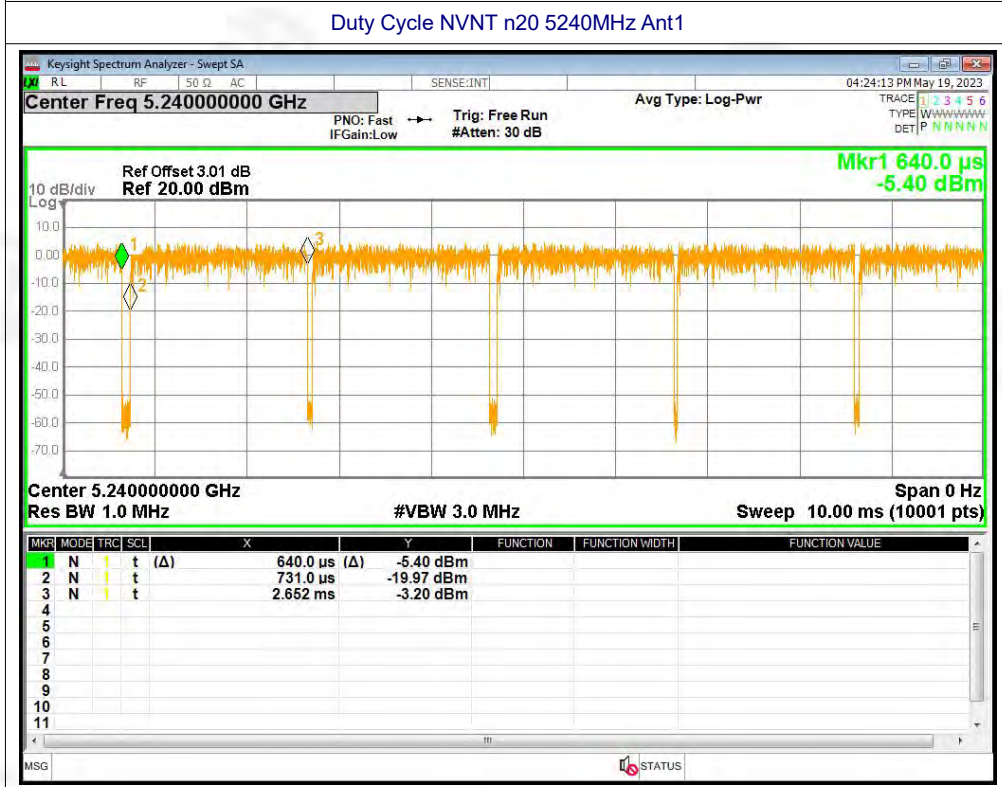
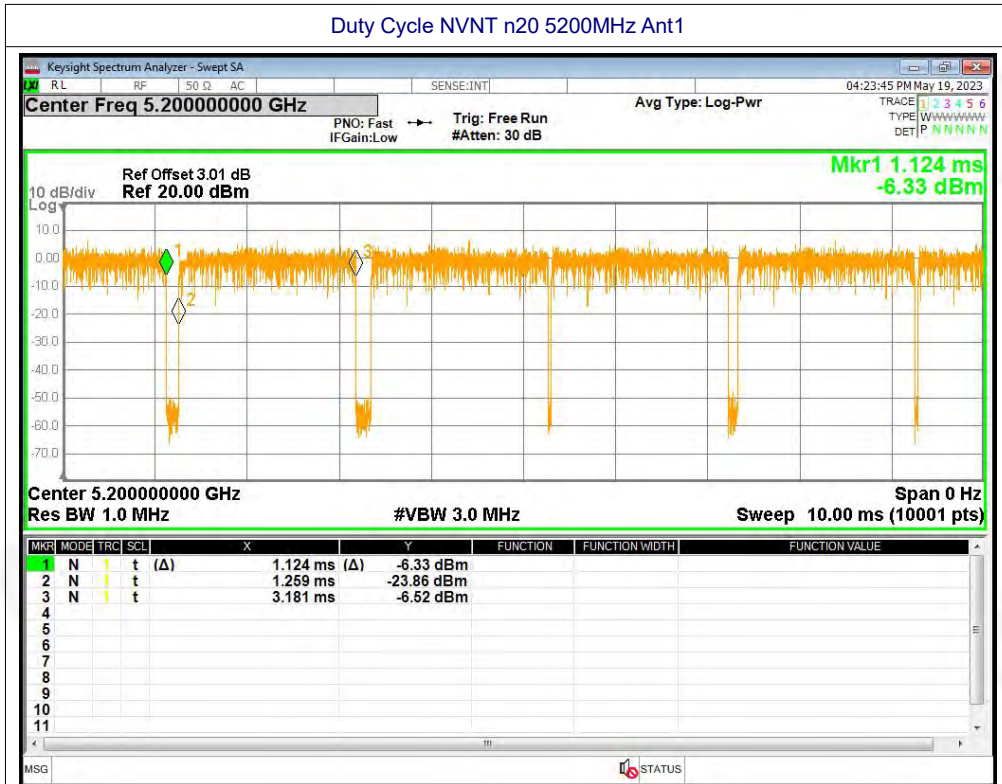
Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT a 5200MHz Ant1

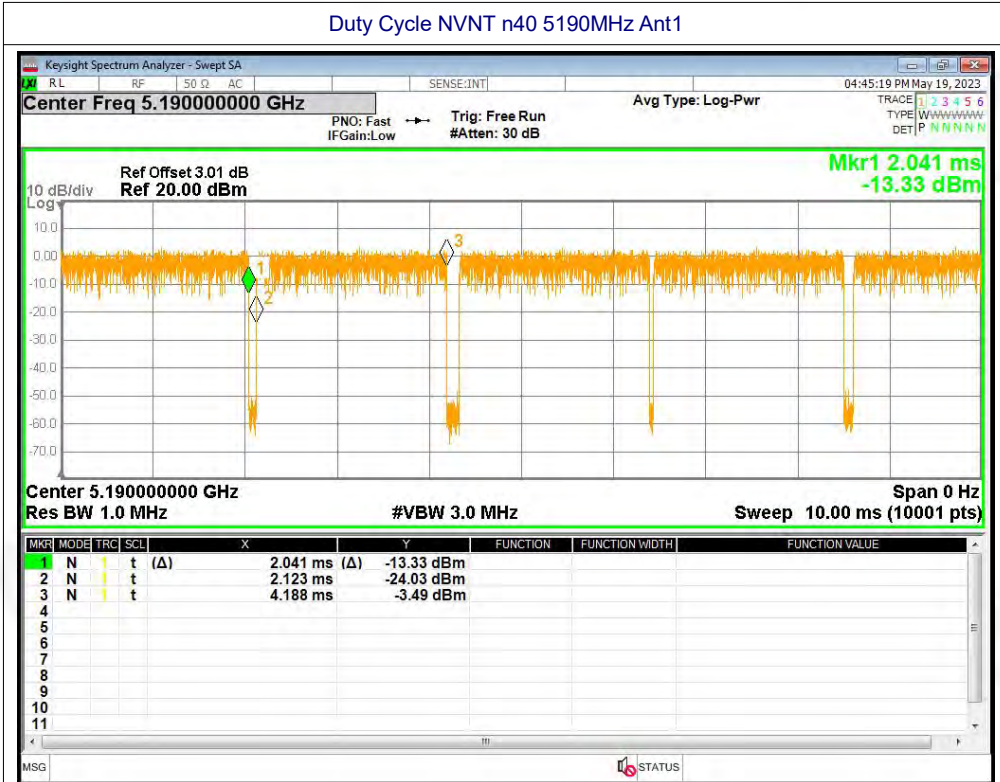




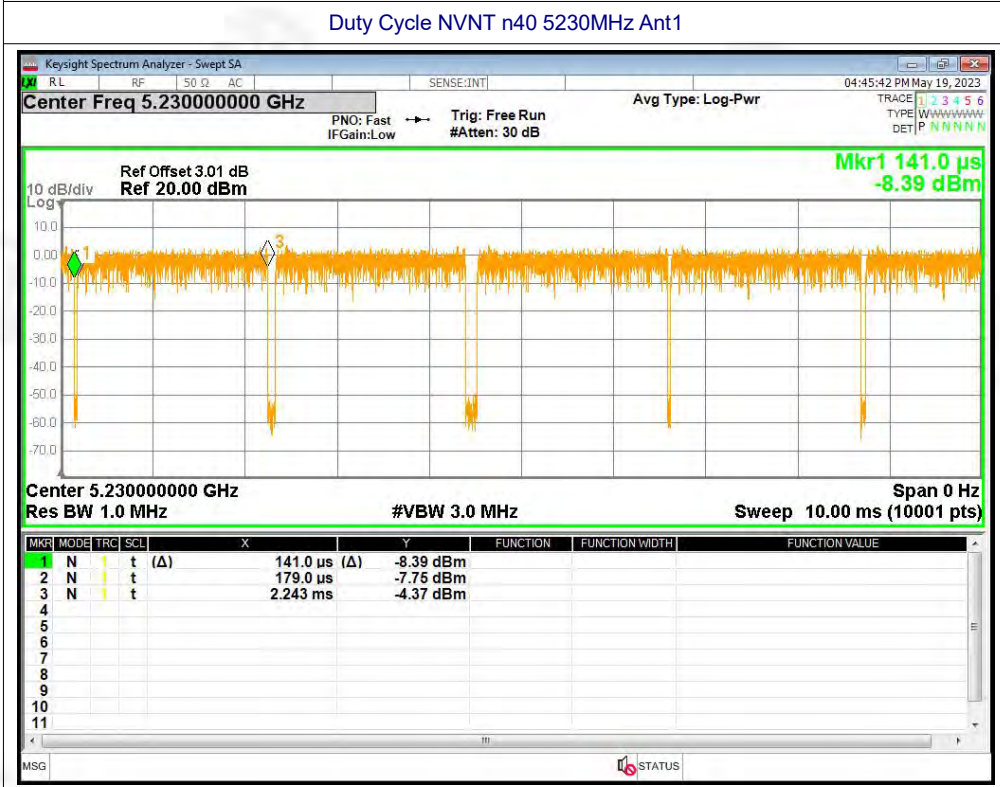


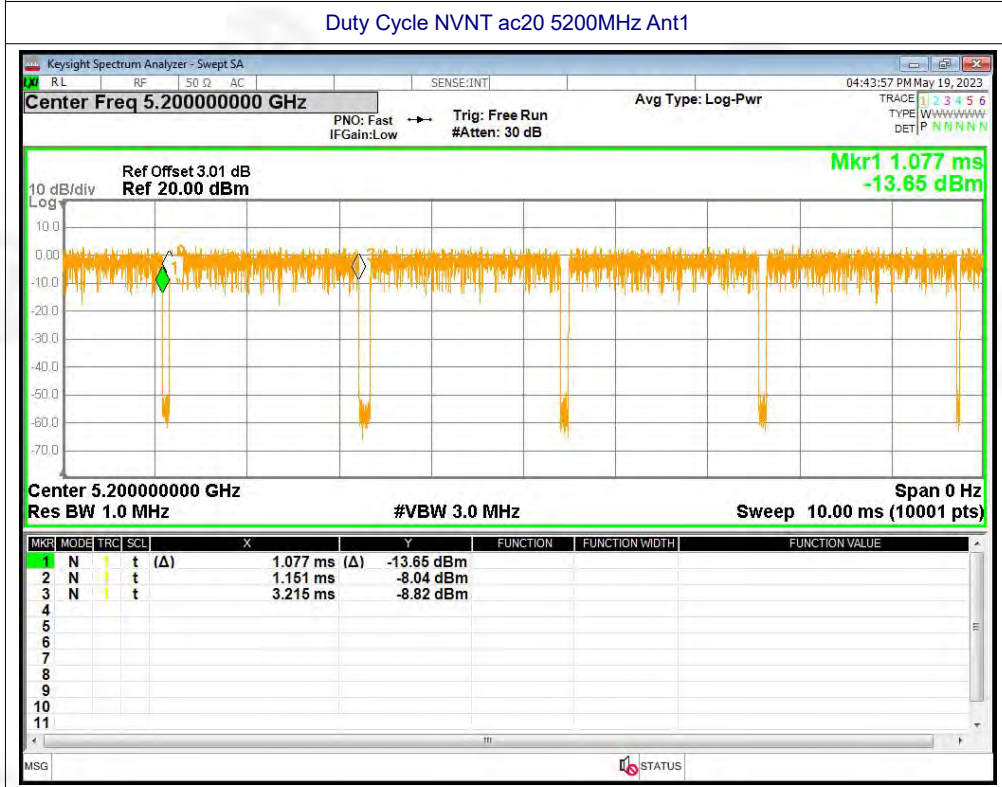
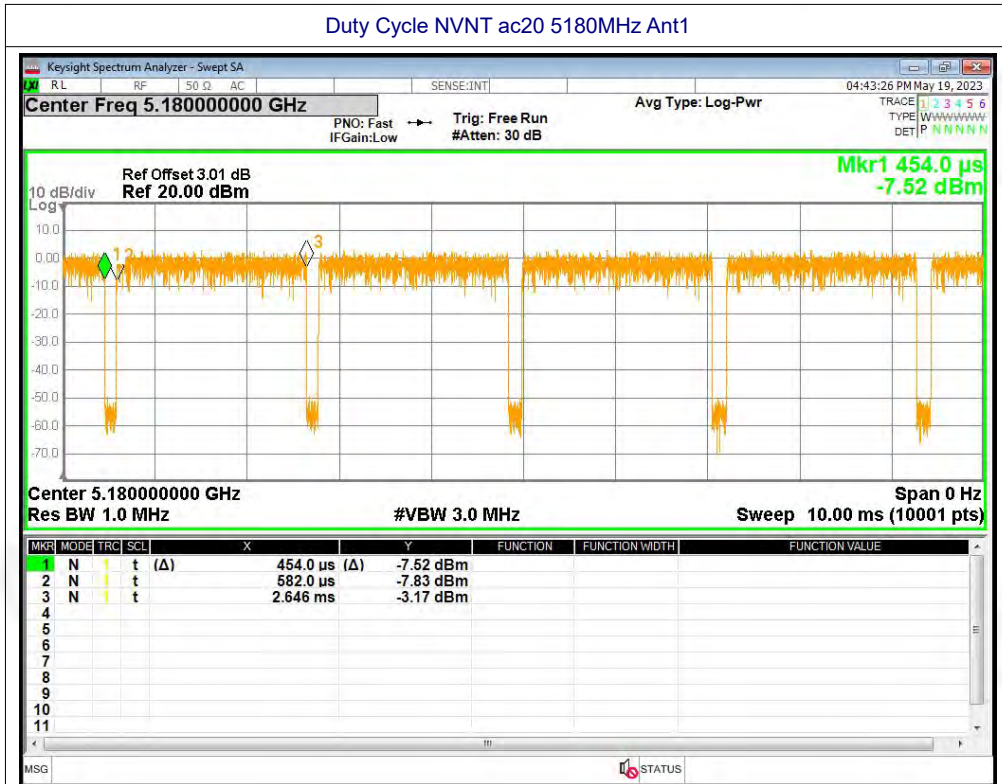


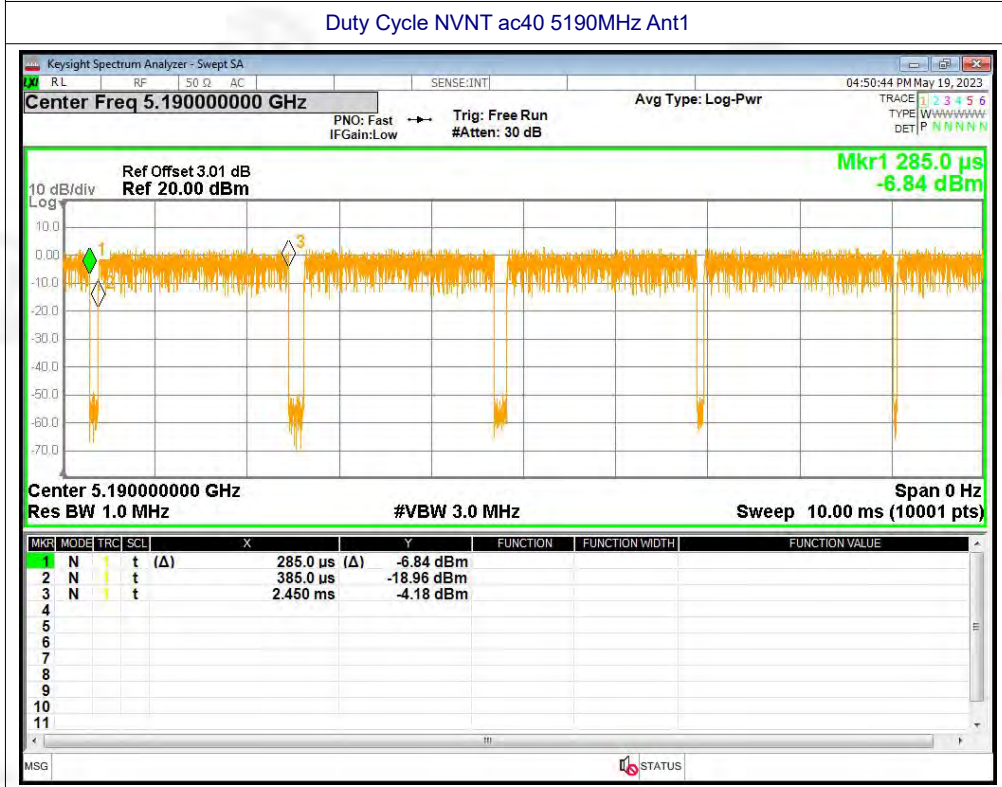
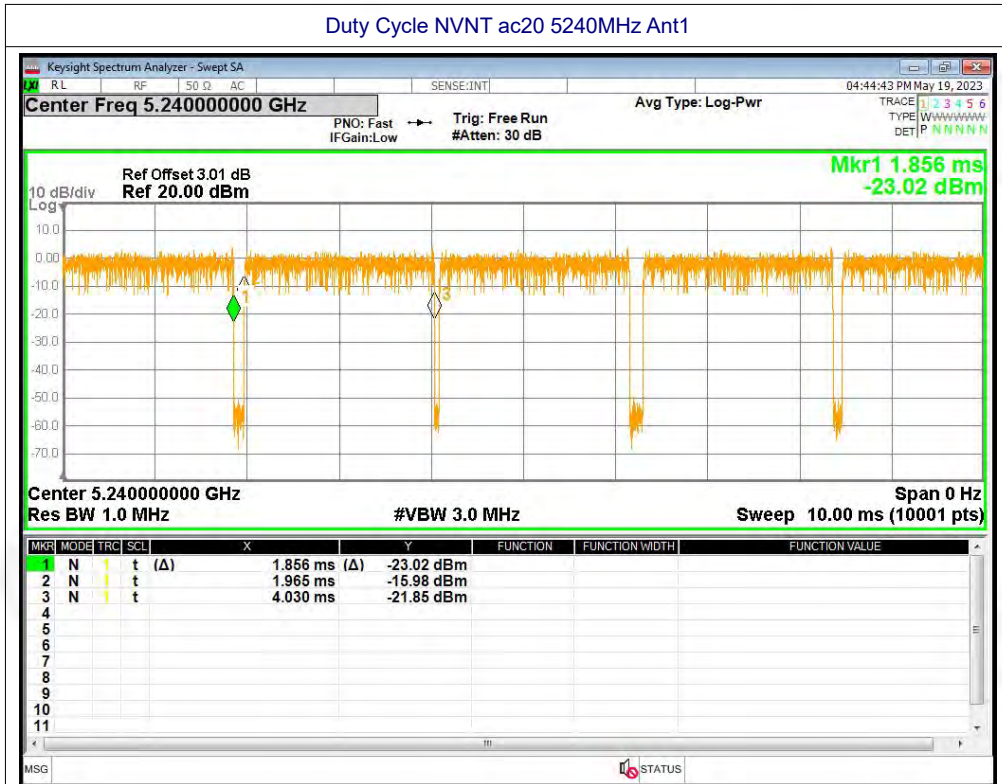
Duty Cycle NVNT n40 5190MHz Ant1

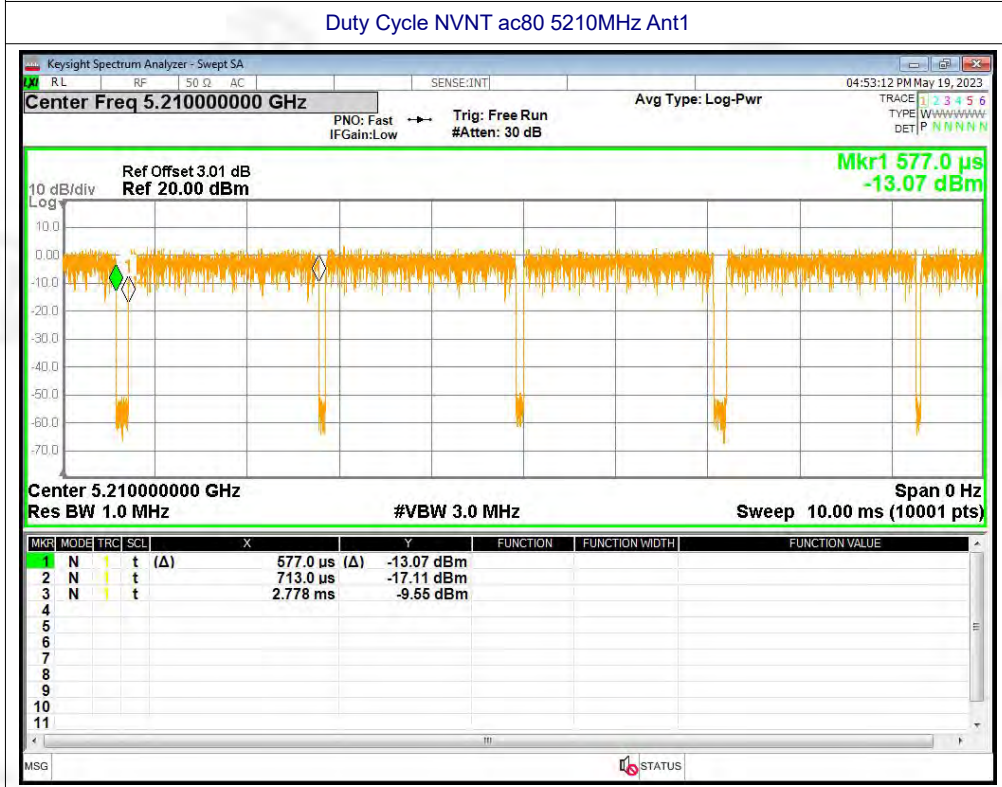
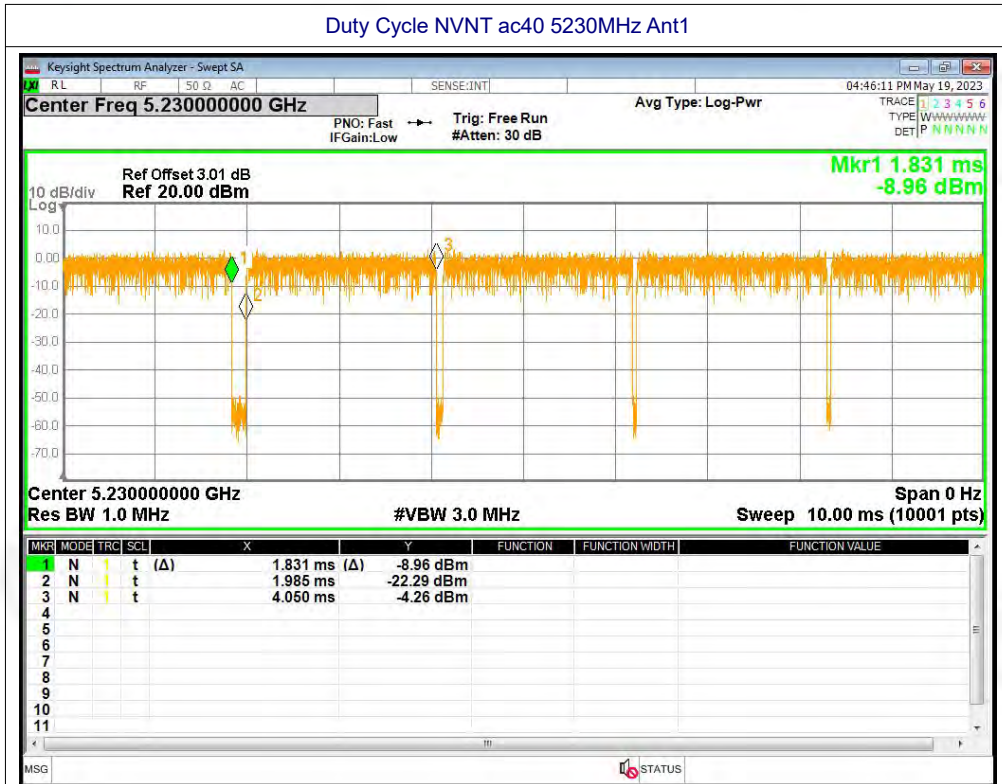


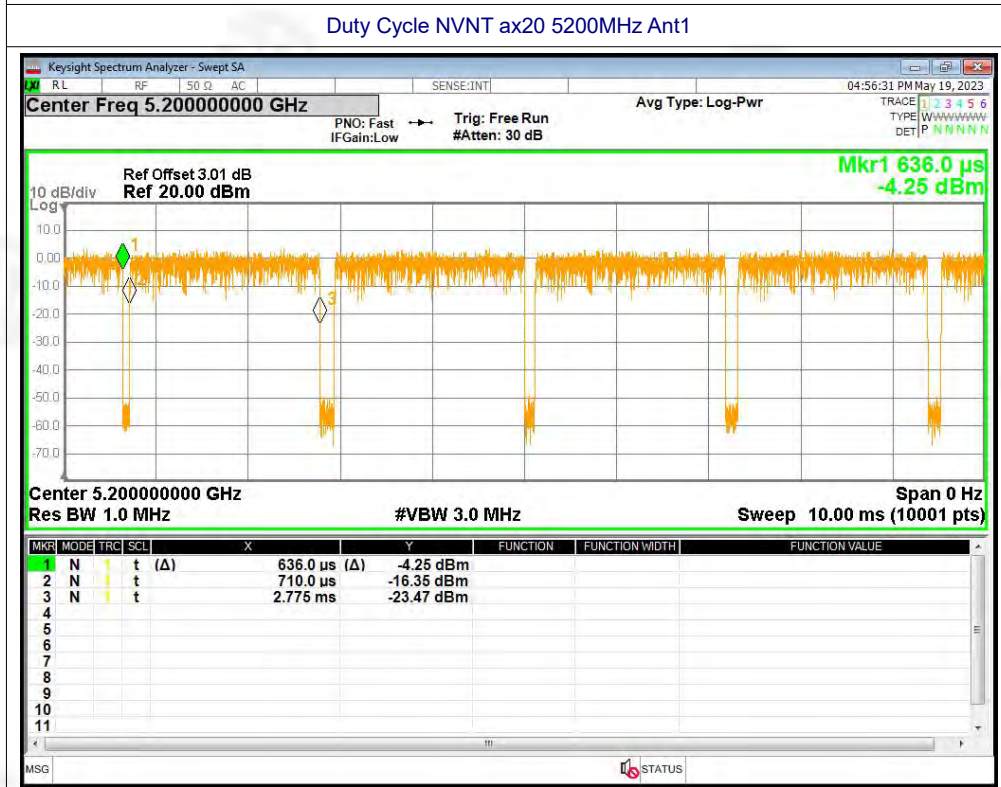
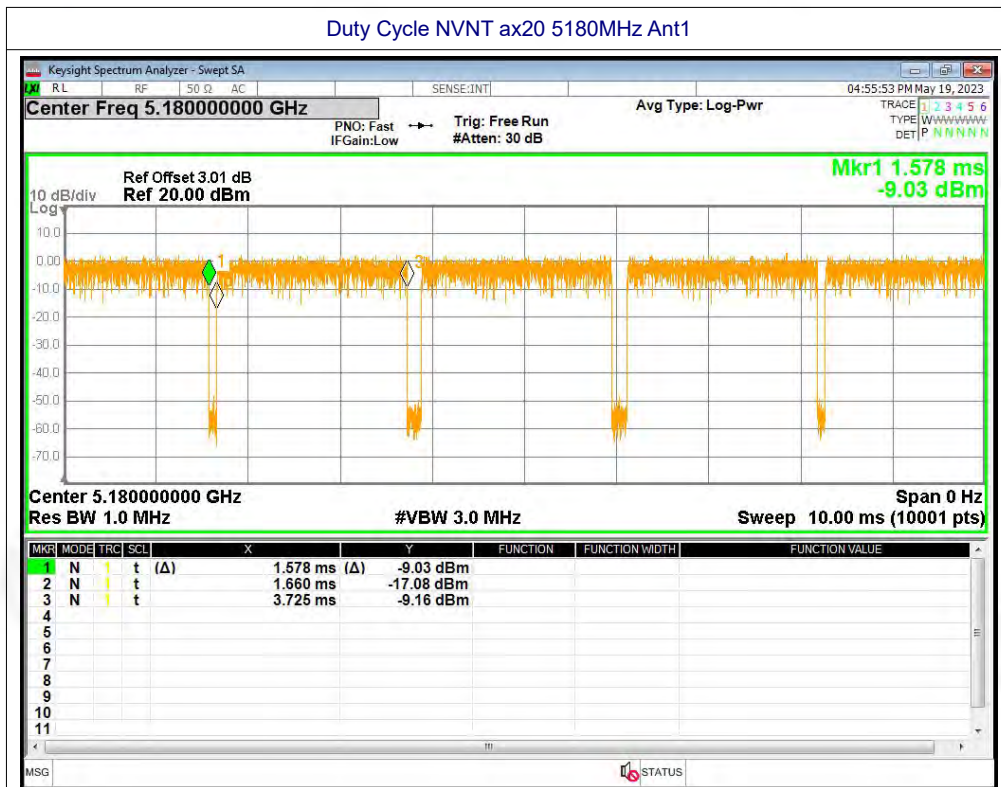
Duty Cycle NVNT n40 5230MHz Ant1

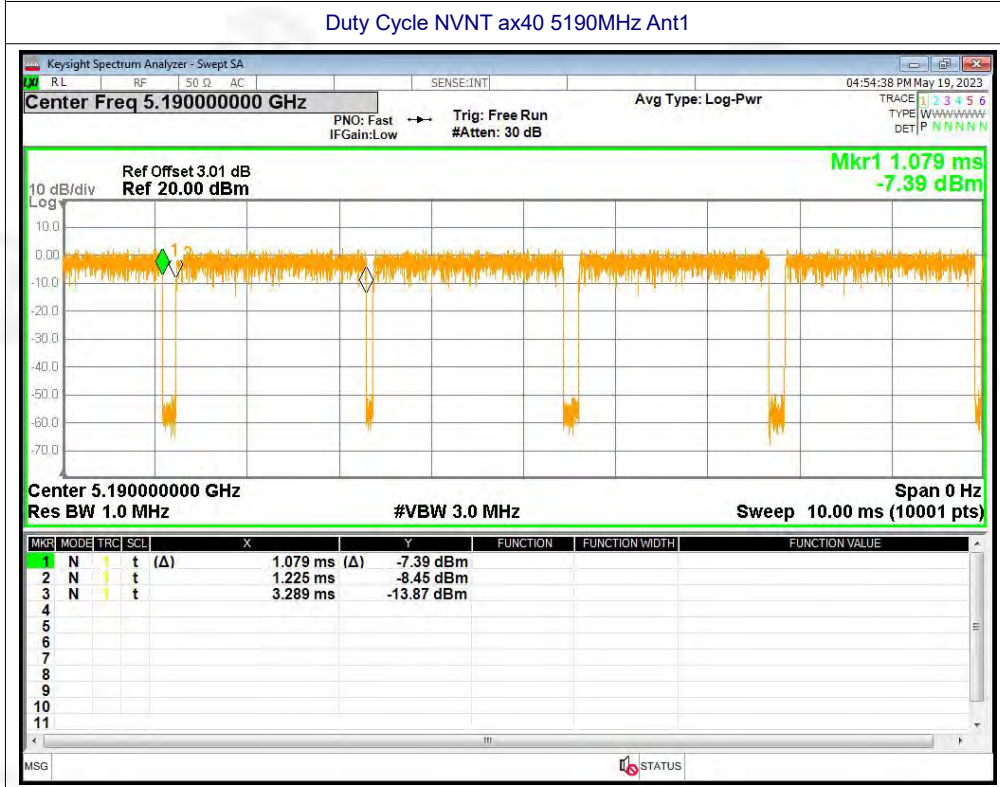
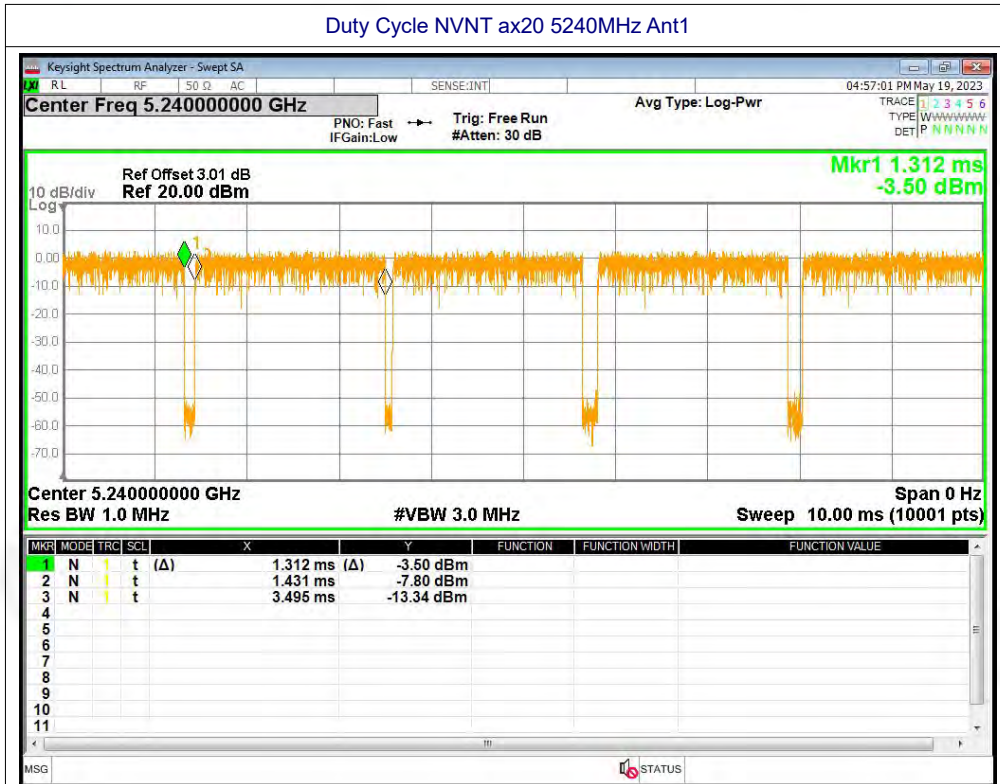


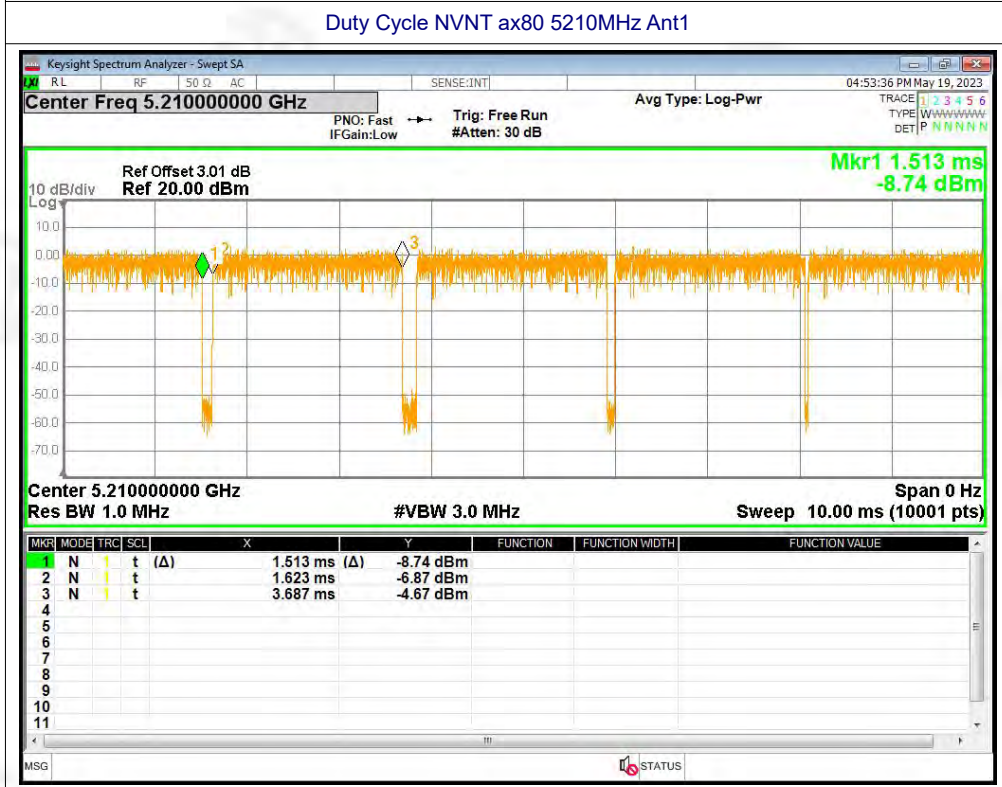
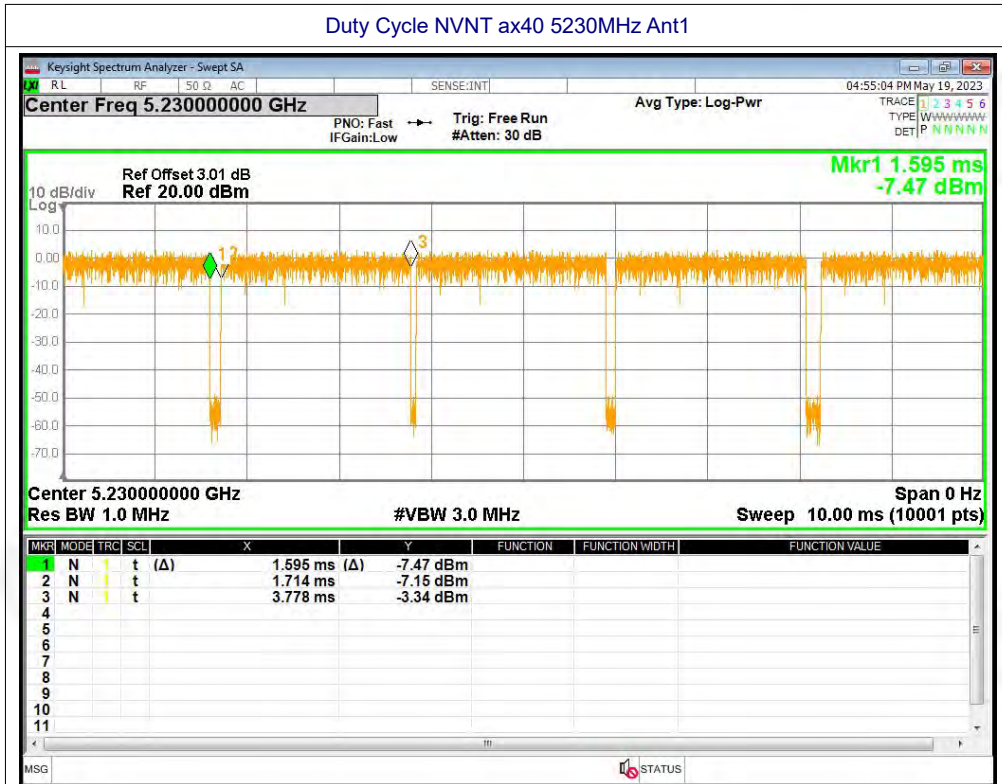














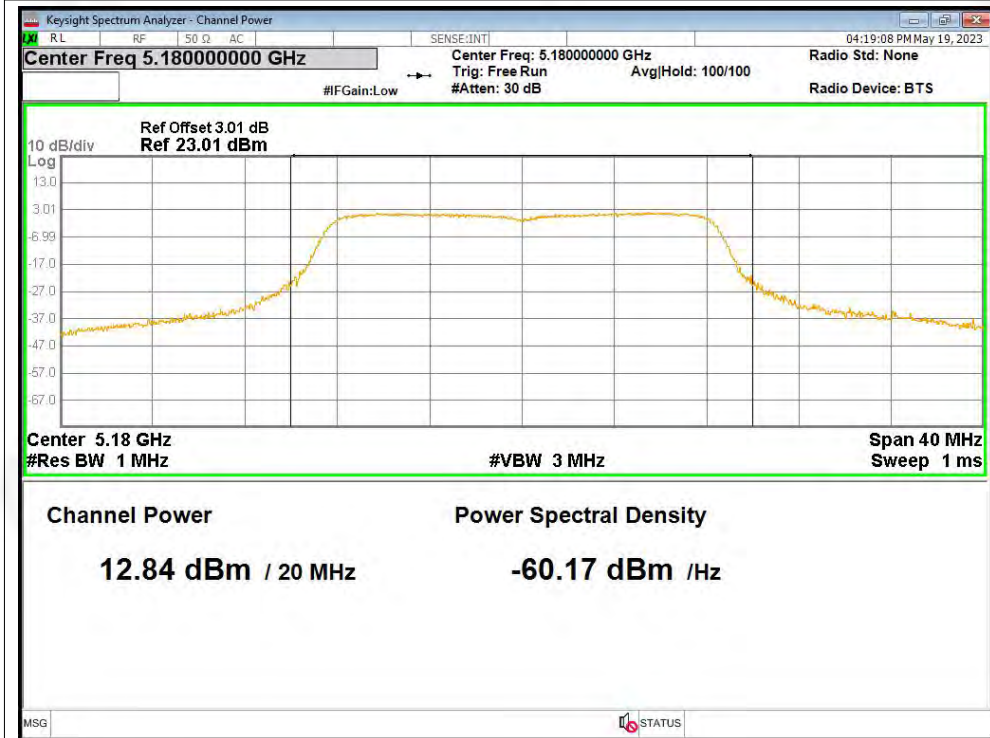
A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.84	0.1	12.94	24	Pass
NVNT	a	5200	Ant1	13.17	0.31	13.48	24	Pass
NVNT	a	5240	Ant1	13.19	0.19	13.38	24	Pass
NVNT	n20	5180	Ant1	12.86	0.22	13.08	24	Pass
NVNT	n20	5200	Ant1	13.06	0.29	13.35	24	Pass
NVNT	n20	5240	Ant1	13	0.2	13.2	24	Pass
NVNT	n40	5190	Ant1	12.97	0.17	13.14	24	Pass
NVNT	n40	5230	Ant1	13.21	0	13.21	24	Pass
NVNT	ac20	5180	Ant1	12.78	0.26	13.04	24	Pass
NVNT	ac20	5200	Ant1	12.96	0.15	13.11	24	Pass
NVNT	ac20	5240	Ant1	13.01	0.22	13.23	24	Pass
NVNT	ac40	5190	Ant1	13.05	0.21	13.26	24	Pass
NVNT	ac40	5230	Ant1	13.27	0.31	13.58	24	Pass
NVNT	ac80	5210	Ant1	13.07	0.28	13.35	24	Pass
NVNT	ax20	5180	Ant1	12.25	0.17	12.42	24	Pass
NVNT	ax20	5200	Ant1	12.21	0.15	12.36	24	Pass
NVNT	ax20	5240	Ant1	12.22	0.24	12.46	24	Pass
NVNT	ax40	5190	Ant1	9.76	0.3	10.06	24	Pass
NVNT	ax40	5230	Ant1	12.33	0.24	12.57	24	Pass
NVNT	ax80	5210	Ant1	11.07	0.23	11.3	24	Pass

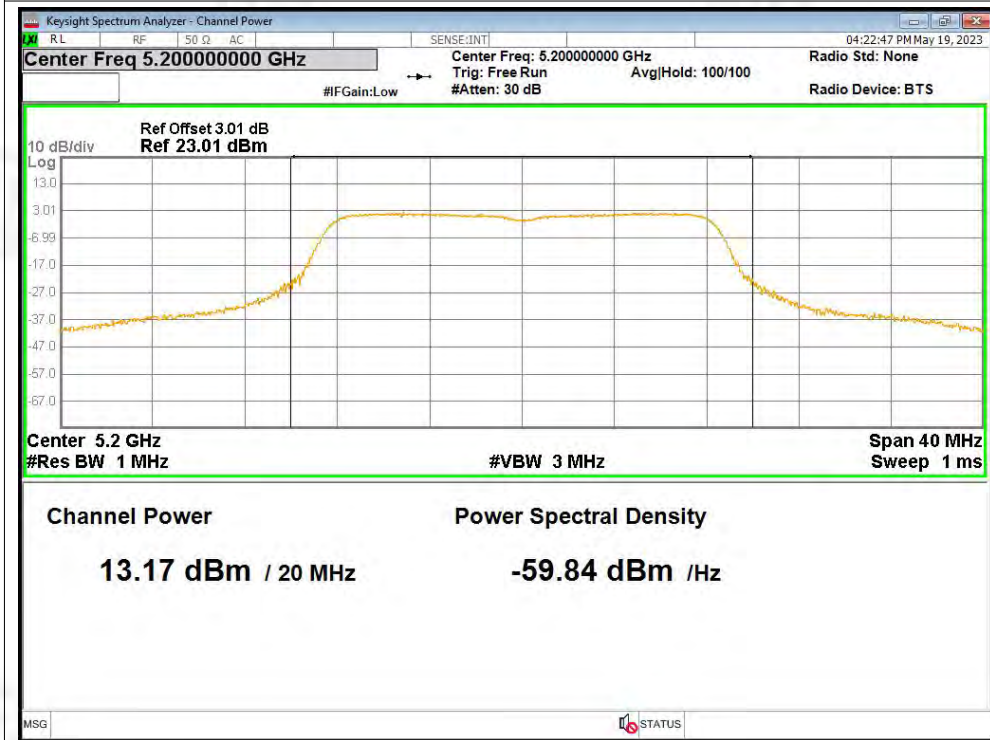


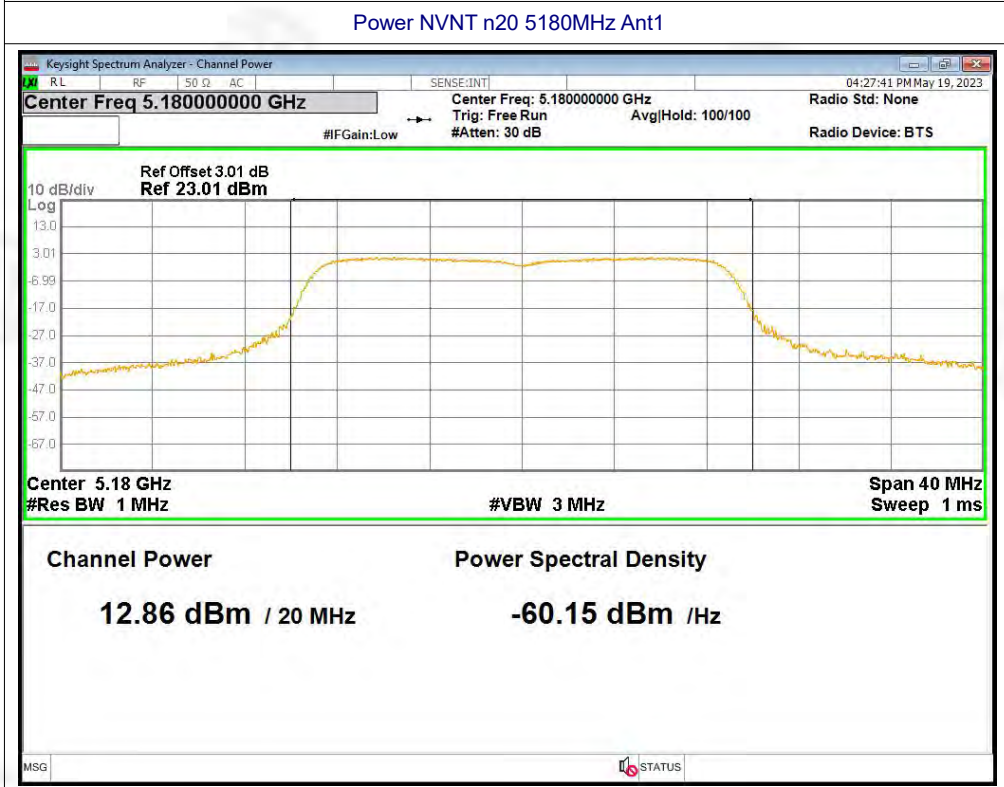
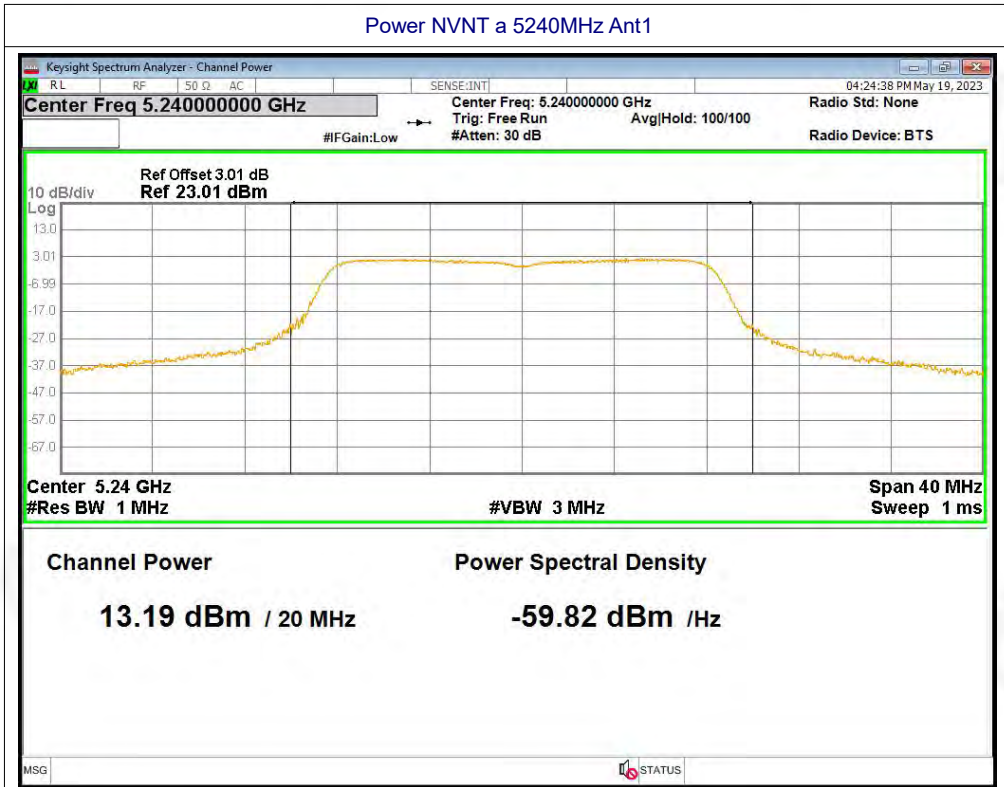
Test Graphs

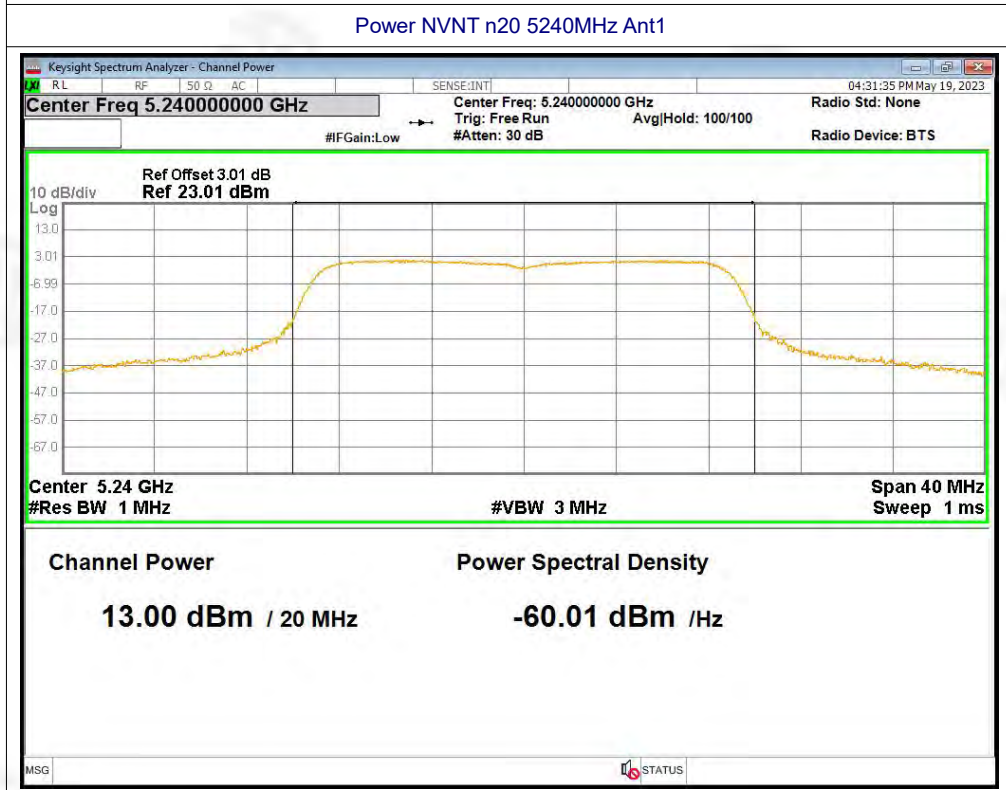
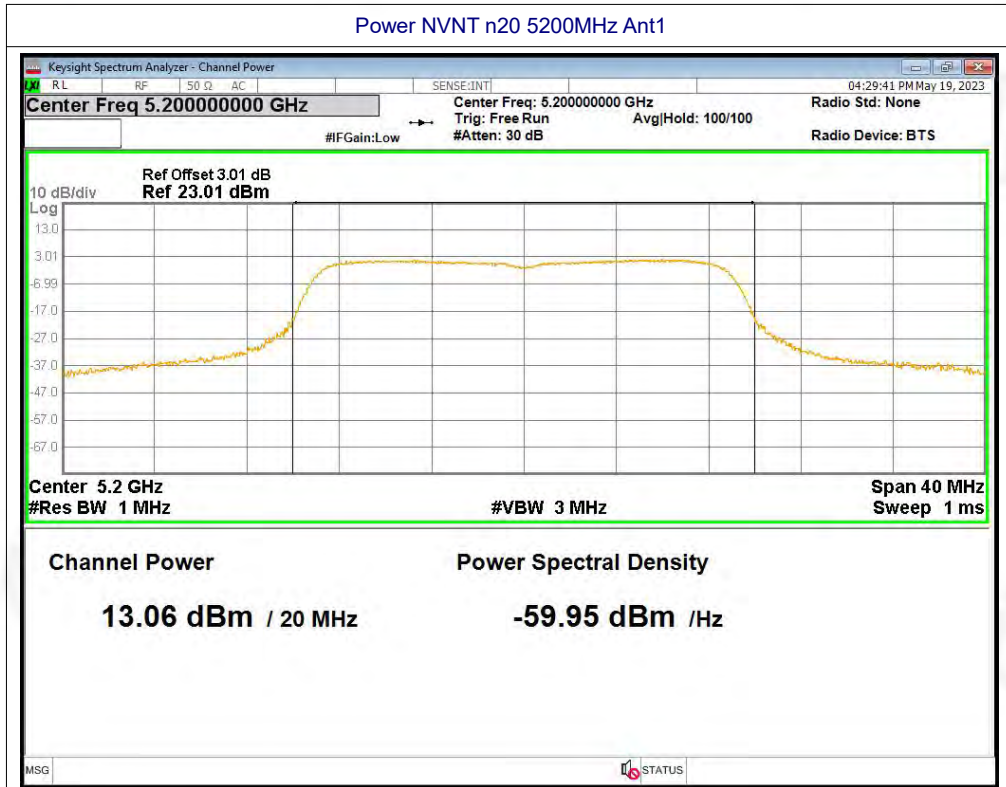
Power NVNT a 5180MHz Ant1

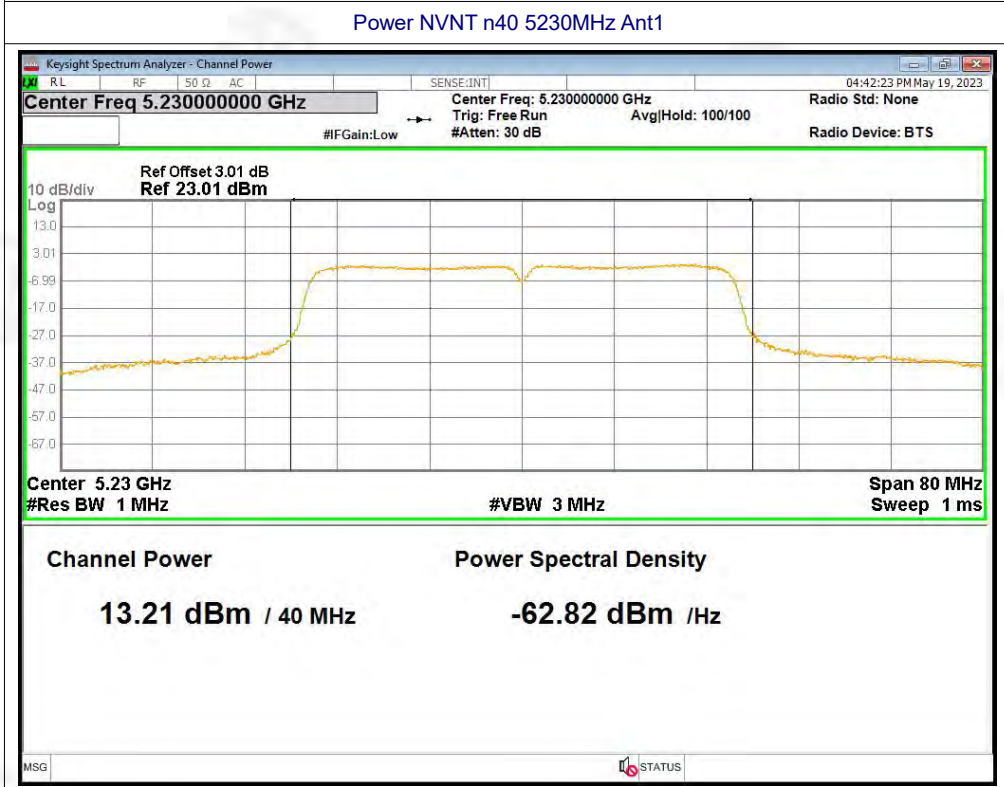
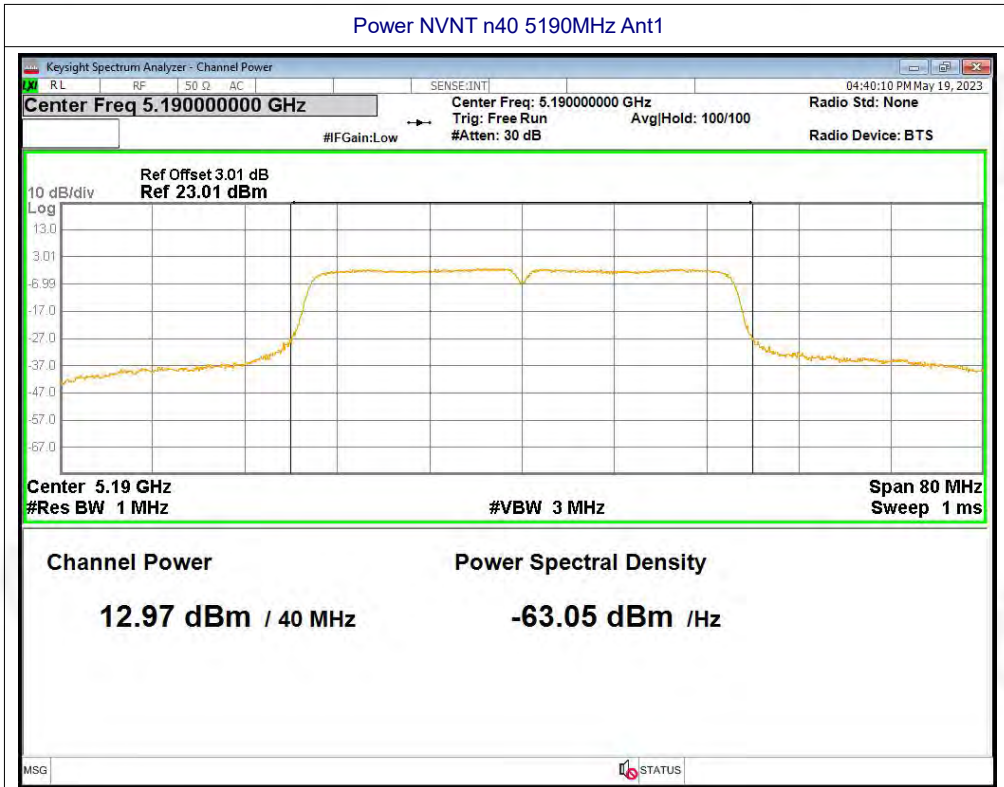


Power NVNT a 5200MHz Ant1



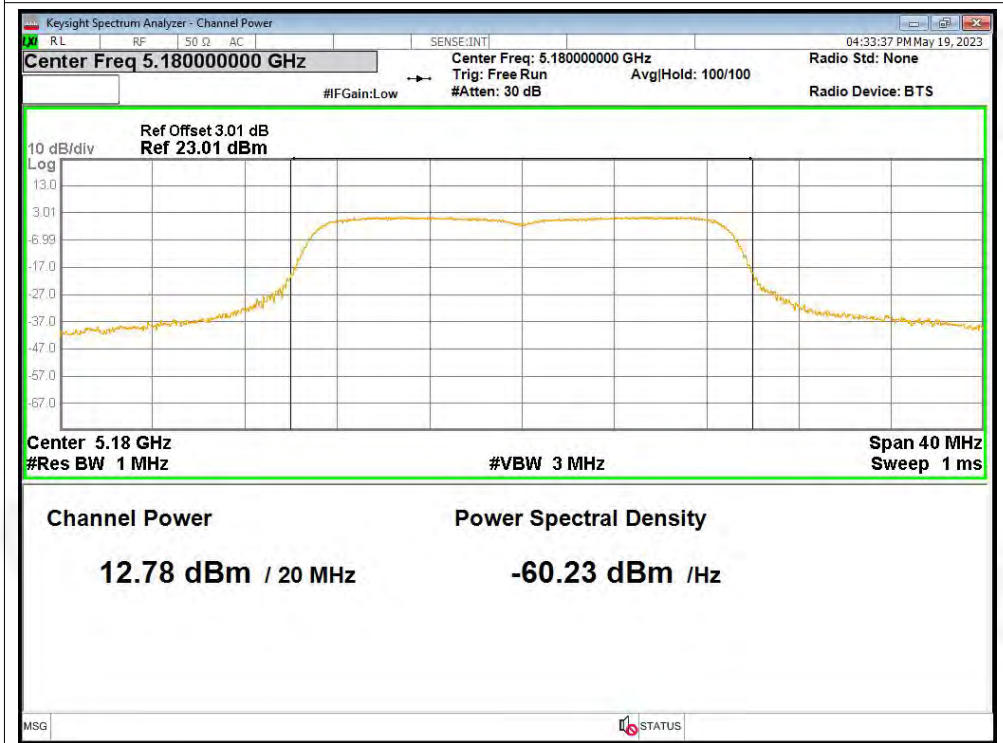




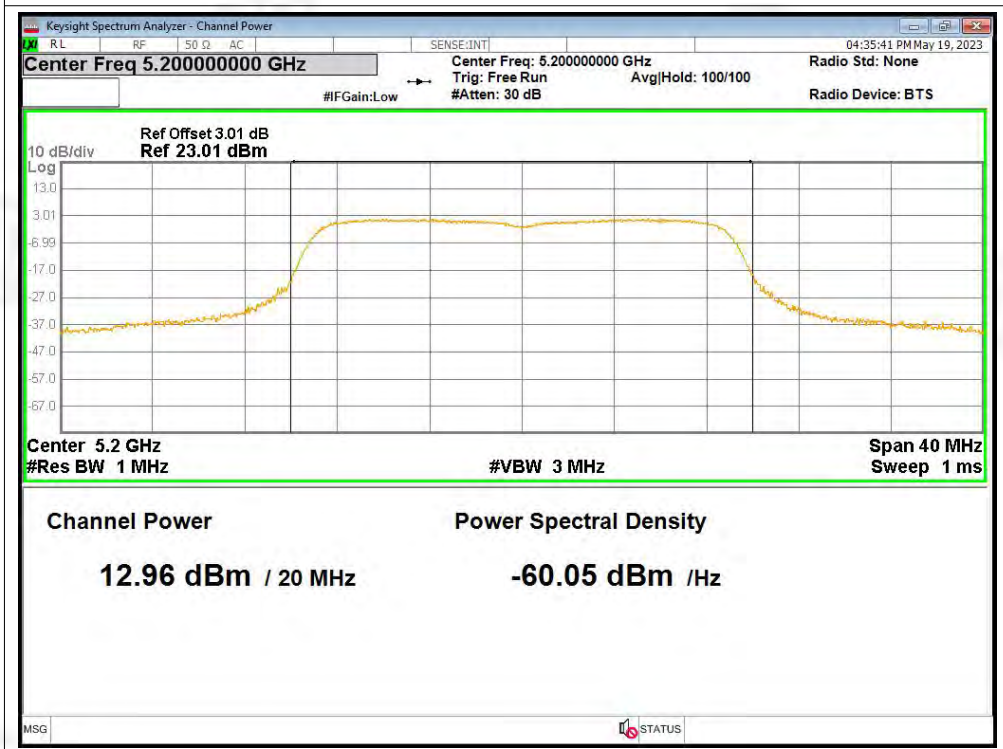




Power NVNT ac20 5180MHz Ant1

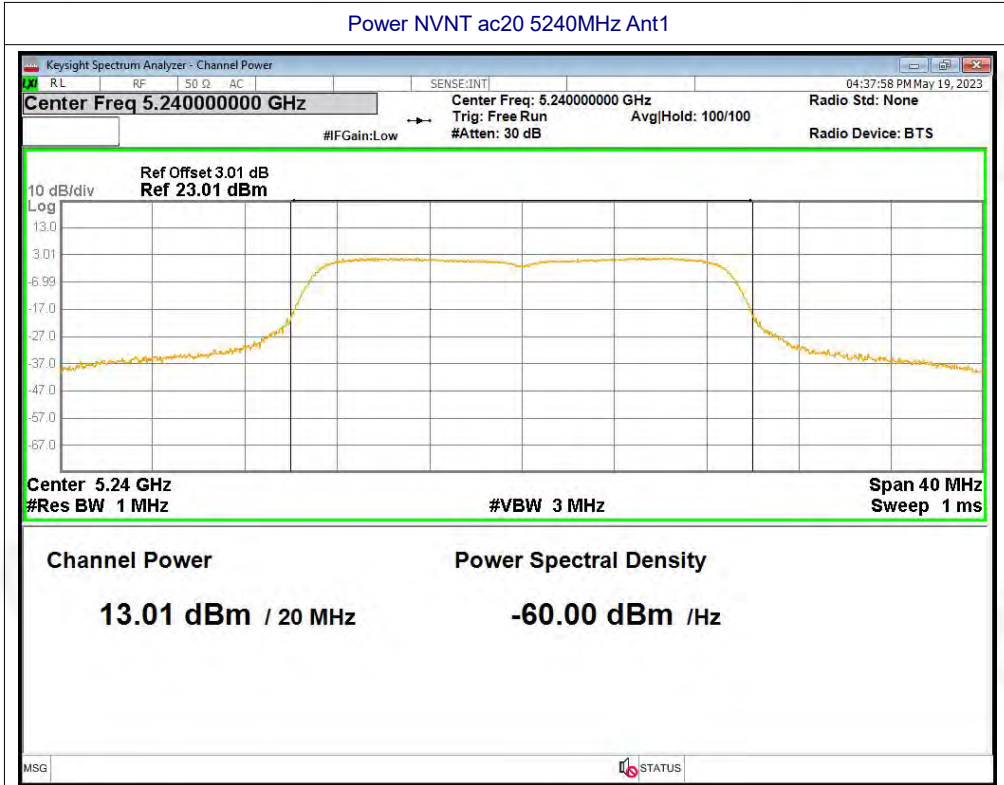


Power NVNT ac20 5200MHz Ant1

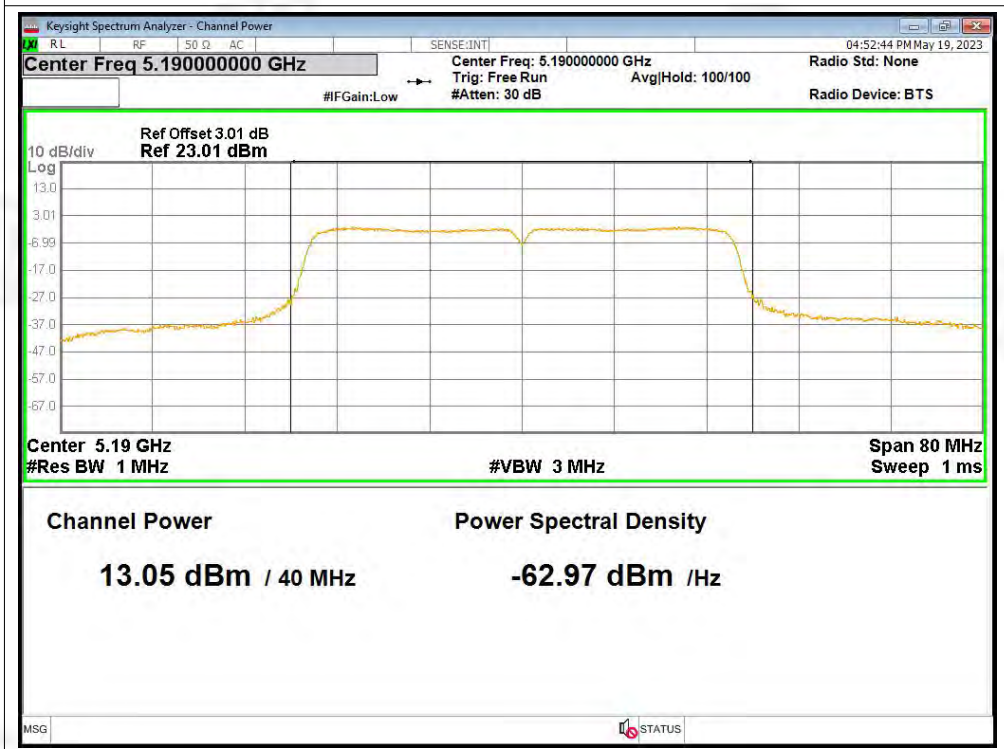




Power NVNT ac20 5240MHz Ant1

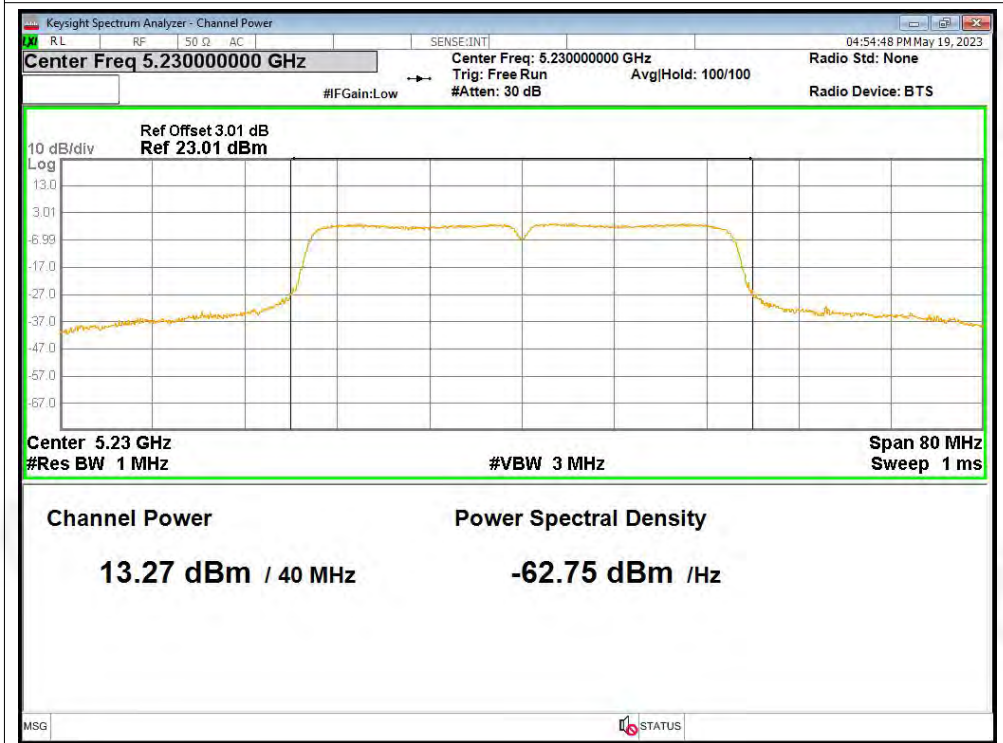


Power NVNT ac40 5190MHz Ant1

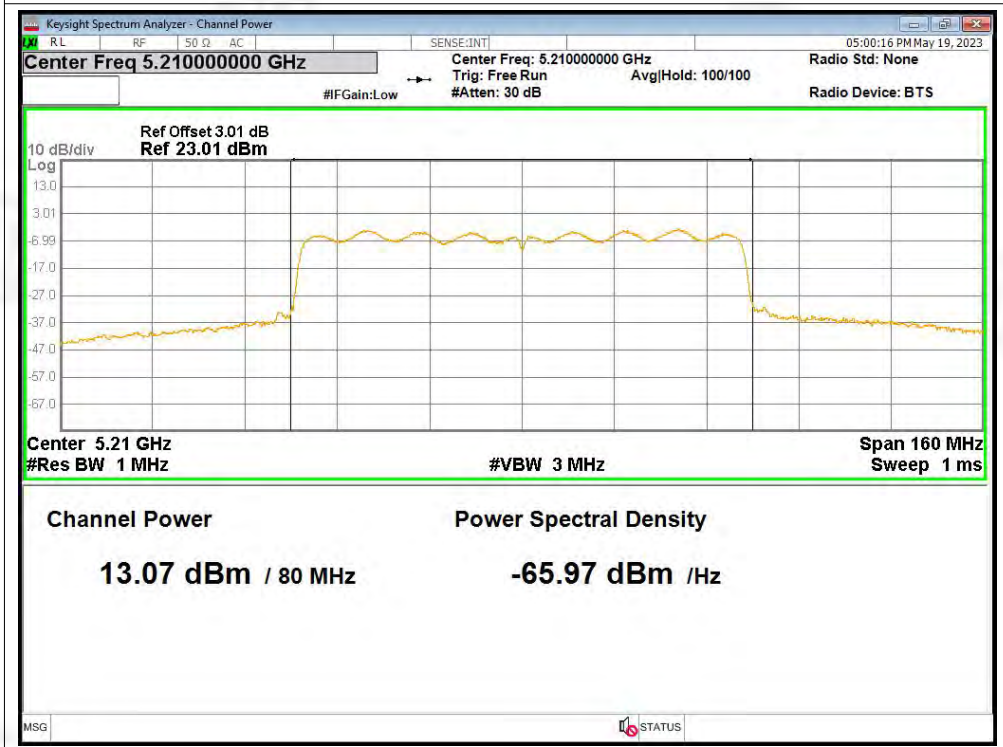




Power NVNT ac40 5230MHz Ant1

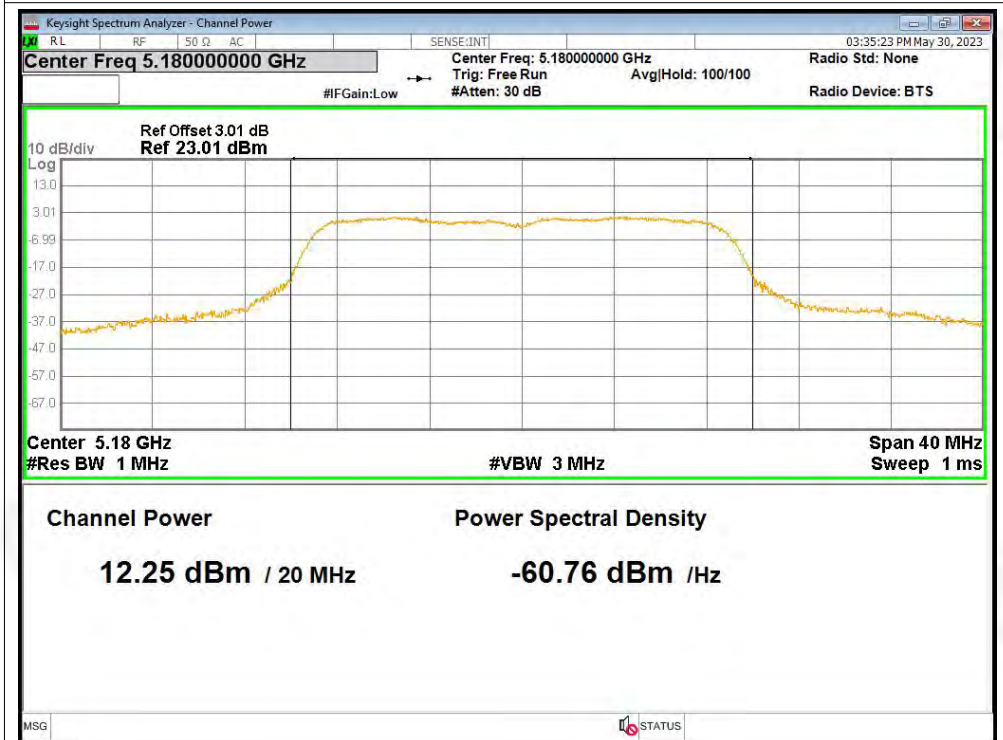


Power NVNT ac80 5210MHz Ant1

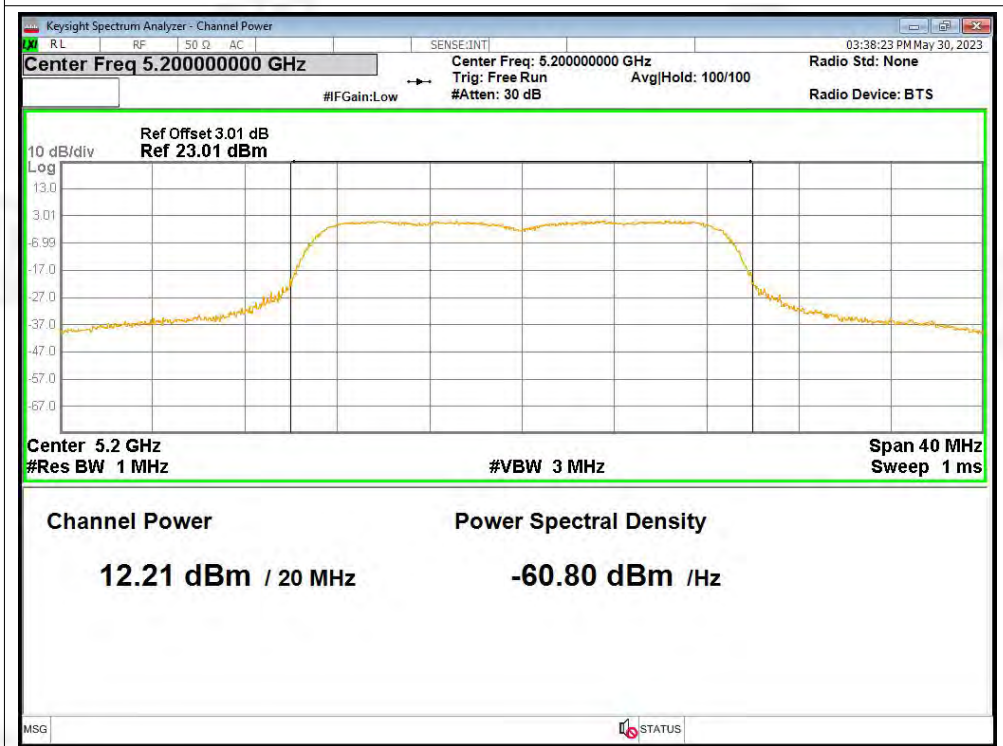




Power NVNT ax20 5180MHz Ant1

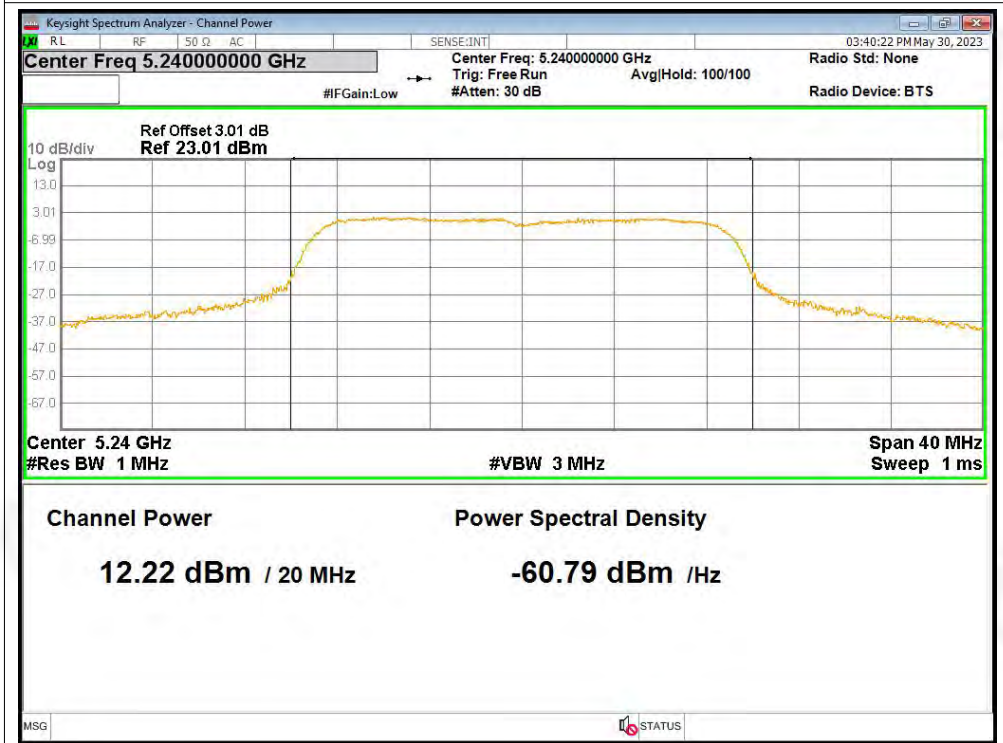


Power NVNT ax20 5200MHz Ant1

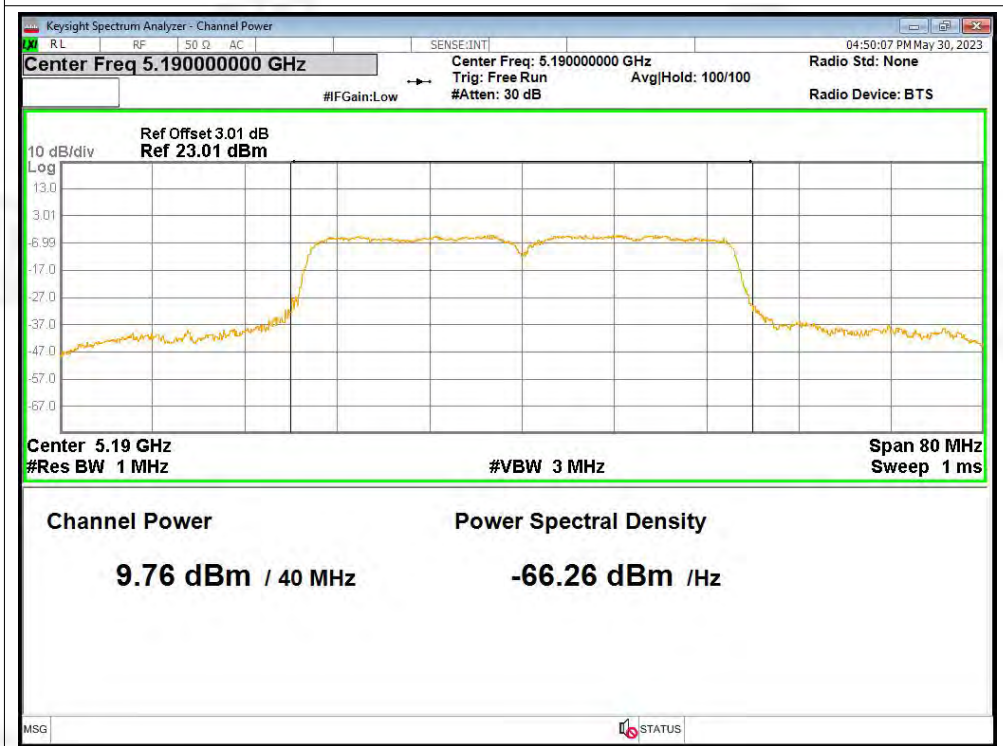




Power NVNT ax20 5240MHz Ant1

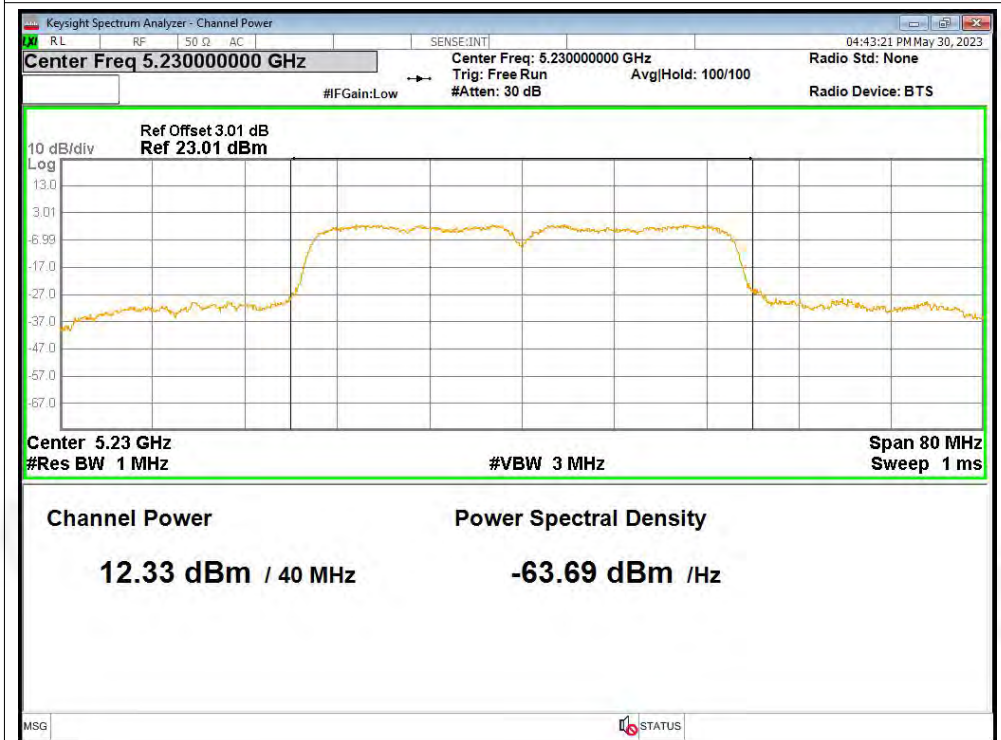


Power NVNT ax40 5190MHz Ant1

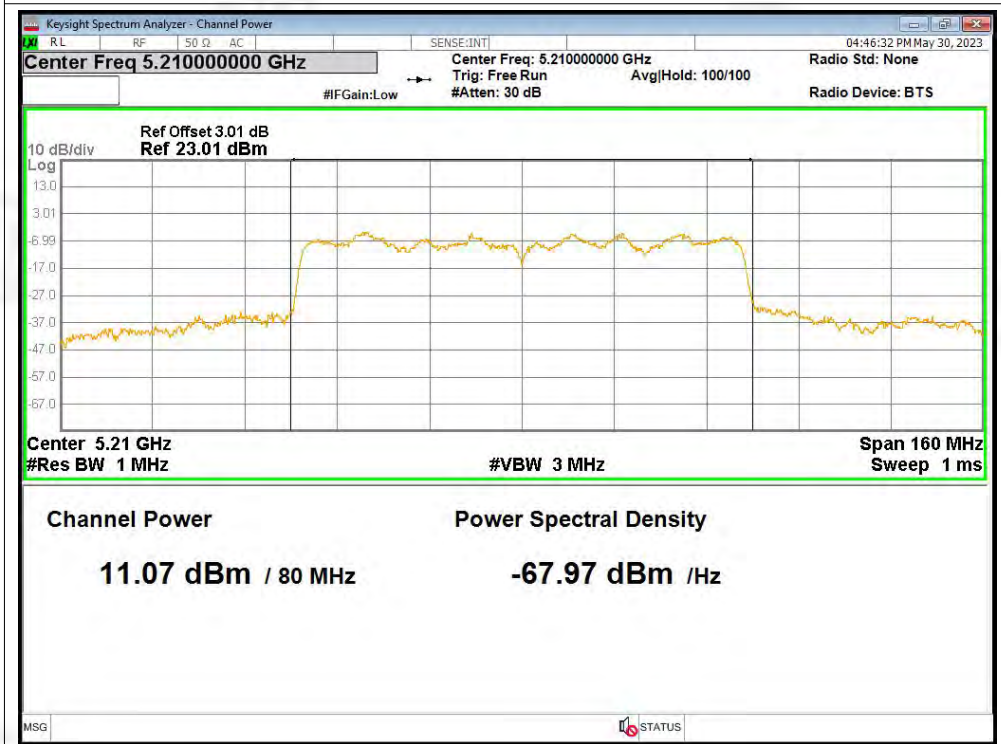




Power NVNT ax40 5230MHz Ant1



Power NVNT ax80 5210MHz Ant1





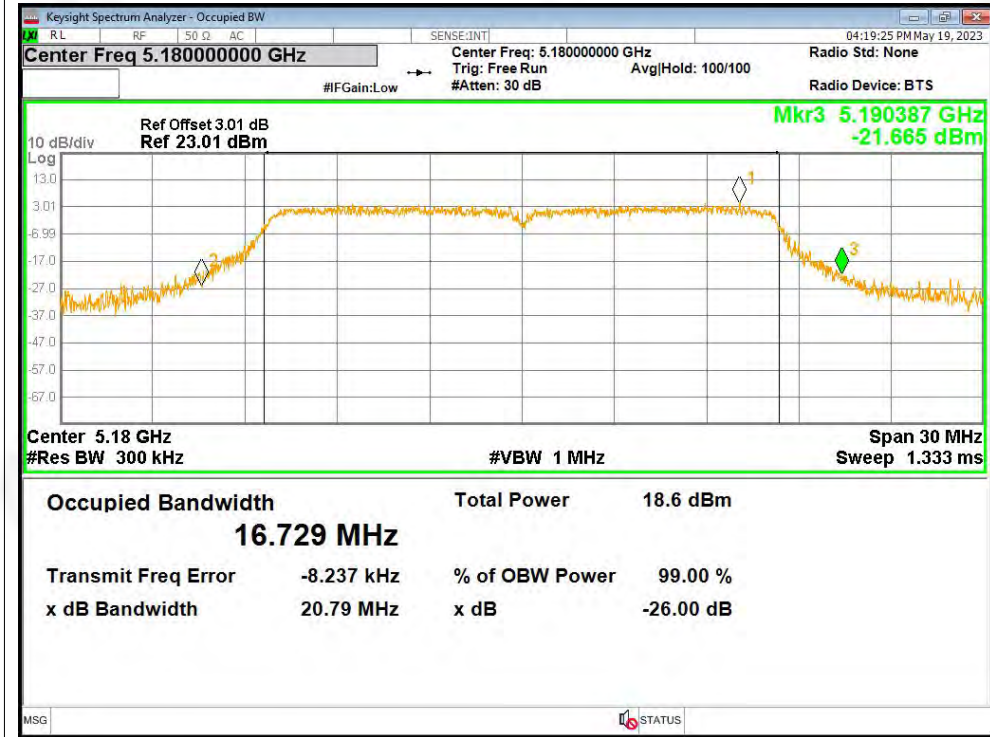
A.3 -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.791	0.5	Pass
NVNT	a	5200	Ant1	21.3	0.5	Pass
NVNT	a	5240	Ant1	21.084	0.5	Pass
NVNT	n20	5180	Ant1	21.6	0.5	Pass
NVNT	n20	5200	Ant1	21.18	0.5	Pass
NVNT	n20	5240	Ant1	21.226	0.5	Pass
NVNT	n40	5190	Ant1	41.237	0.5	Pass
NVNT	n40	5230	Ant1	40.538	0.5	Pass
NVNT	ac20	5180	Ant1	21.677	0.5	Pass
NVNT	ac20	5200	Ant1	21.11	0.5	Pass
NVNT	ac20	5240	Ant1	21.554	0.5	Pass
NVNT	ac40	5190	Ant1	40.759	0.5	Pass
NVNT	ac40	5230	Ant1	46.571	0.5	Pass
NVNT	ac80	5210	Ant1	80.023	0.5	Pass
NVNT	ax20	5180	Ant1	21.454	0.5	Pass
NVNT	ax20	5200	Ant1	21.286	0.5	Pass
NVNT	ax20	5240	Ant1	21.254	0.5	Pass
NVNT	ax40	5190	Ant1	41.199	0.5	Pass
NVNT	ax40	5230	Ant1	56.582	0.5	Pass
NVNT	ax80	5210	Ant1	81.11	0.5	Pass

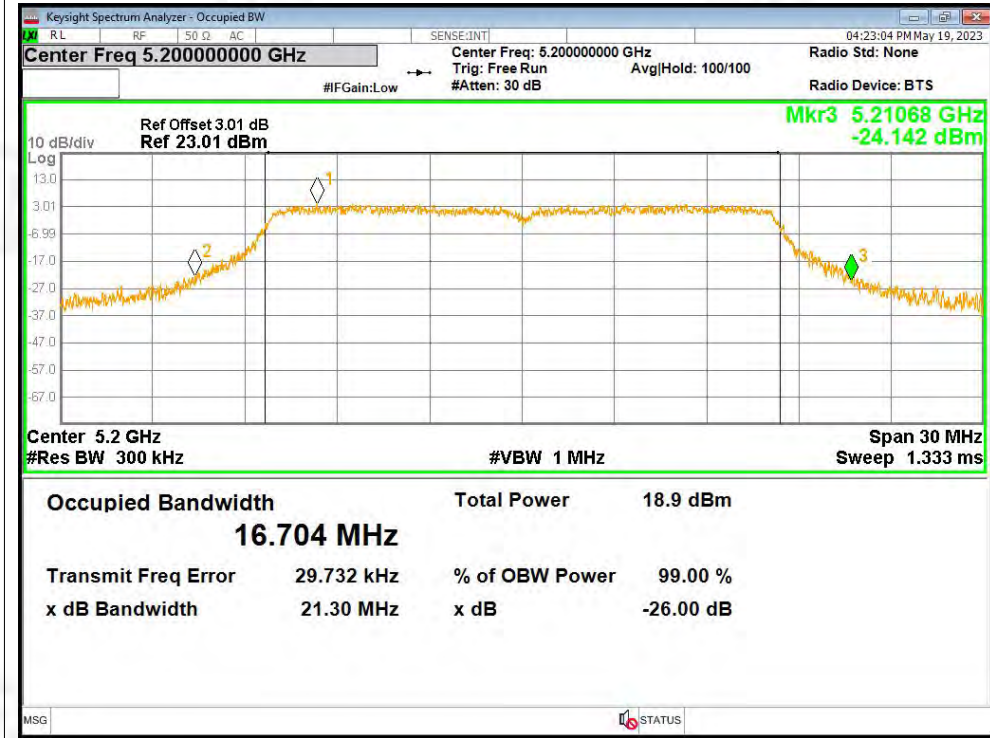


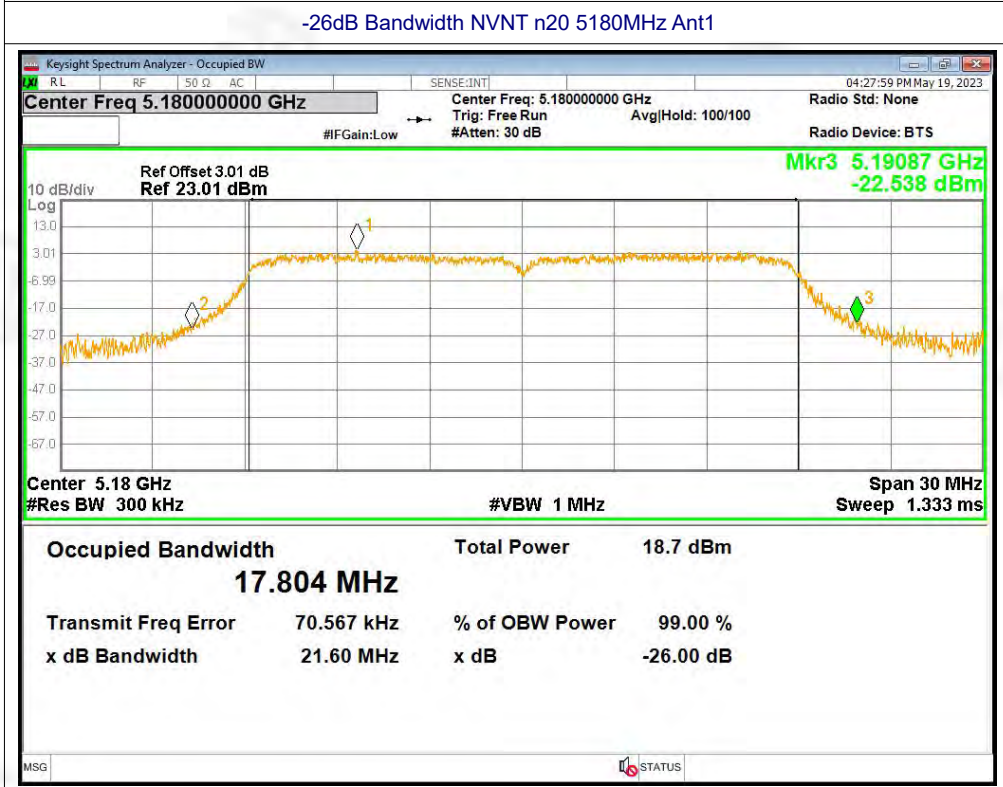
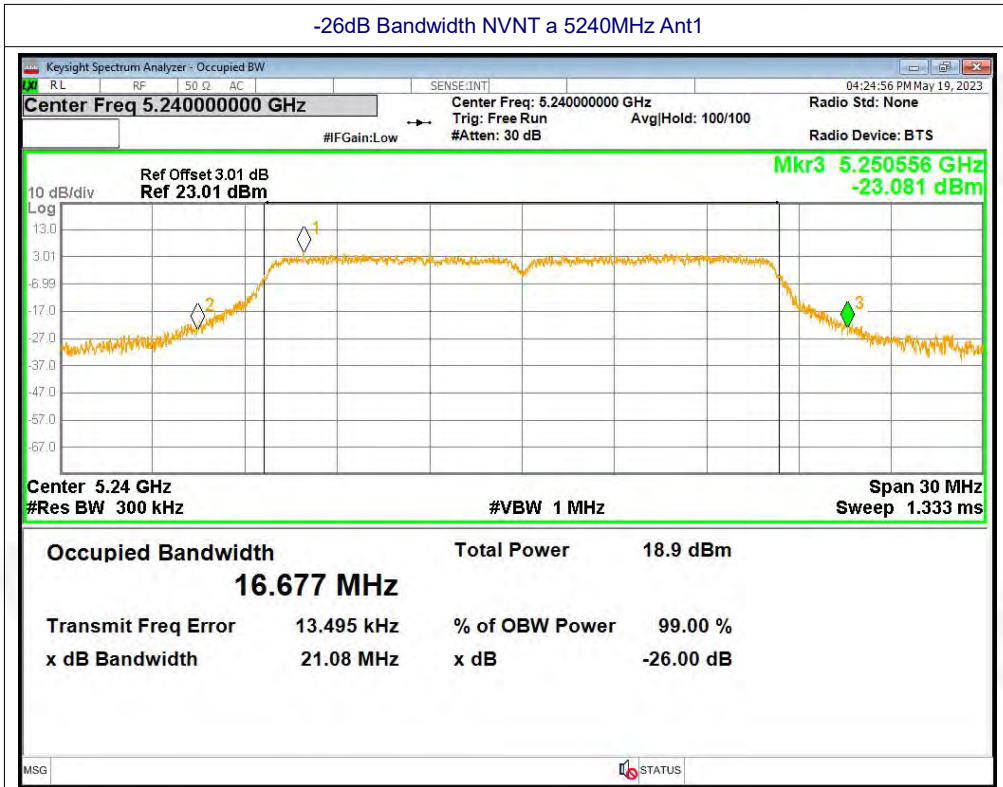
Test Graphs

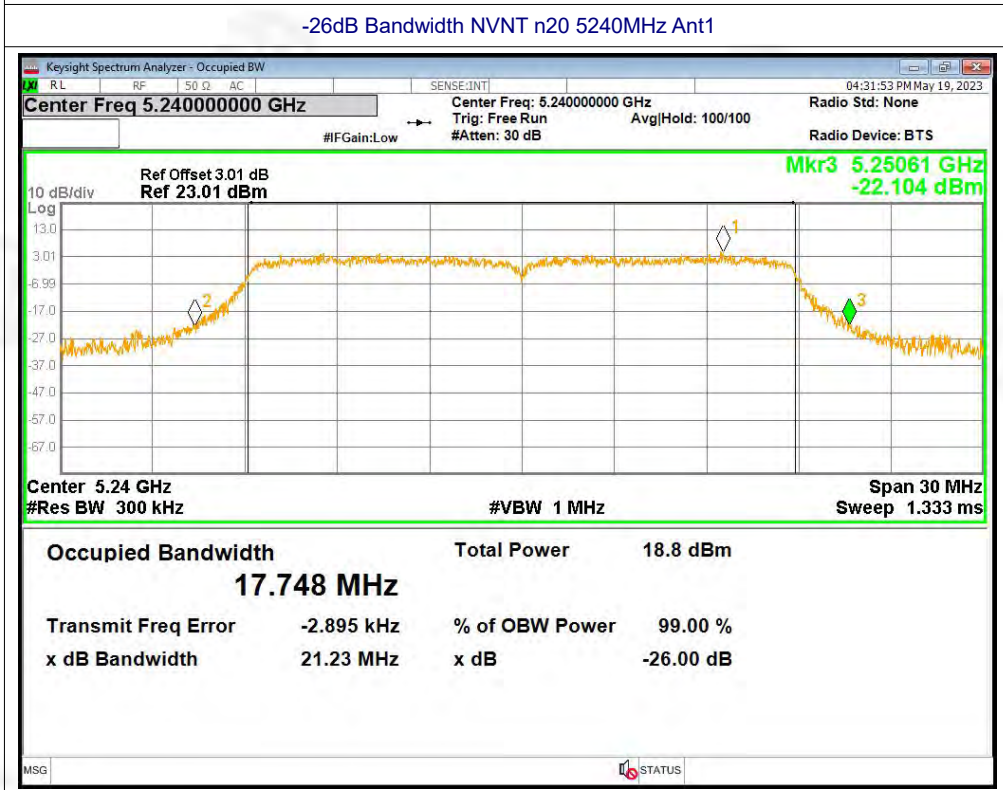
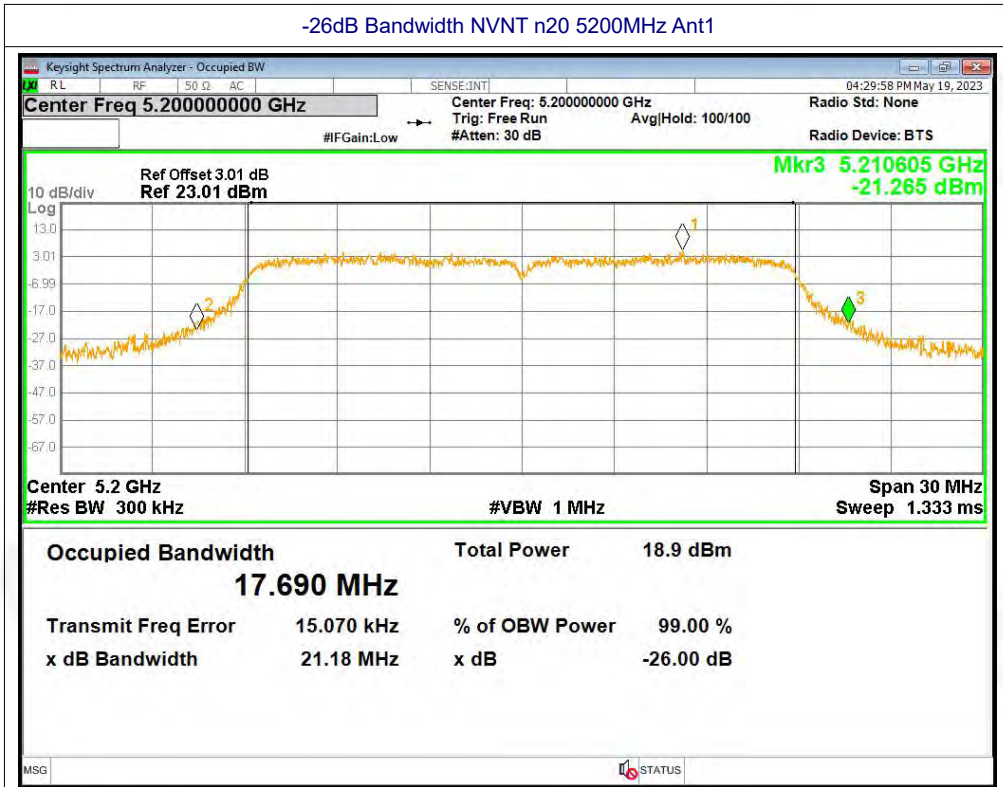
-26dB Bandwidth NVNT a 5180MHz Ant1

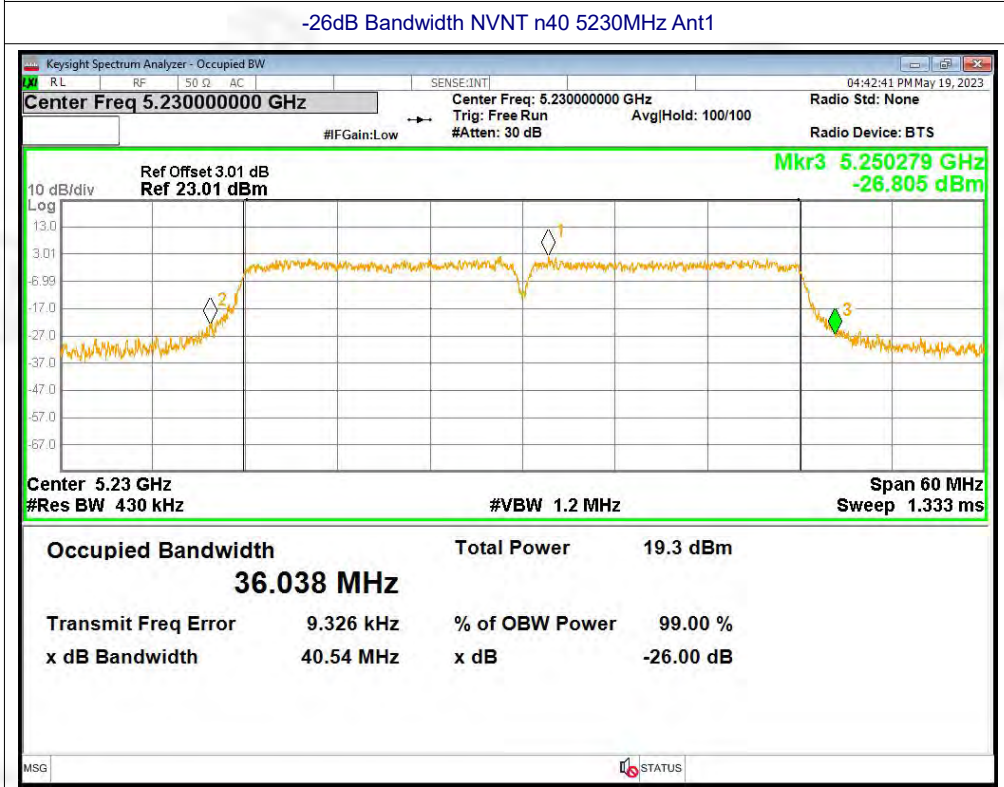
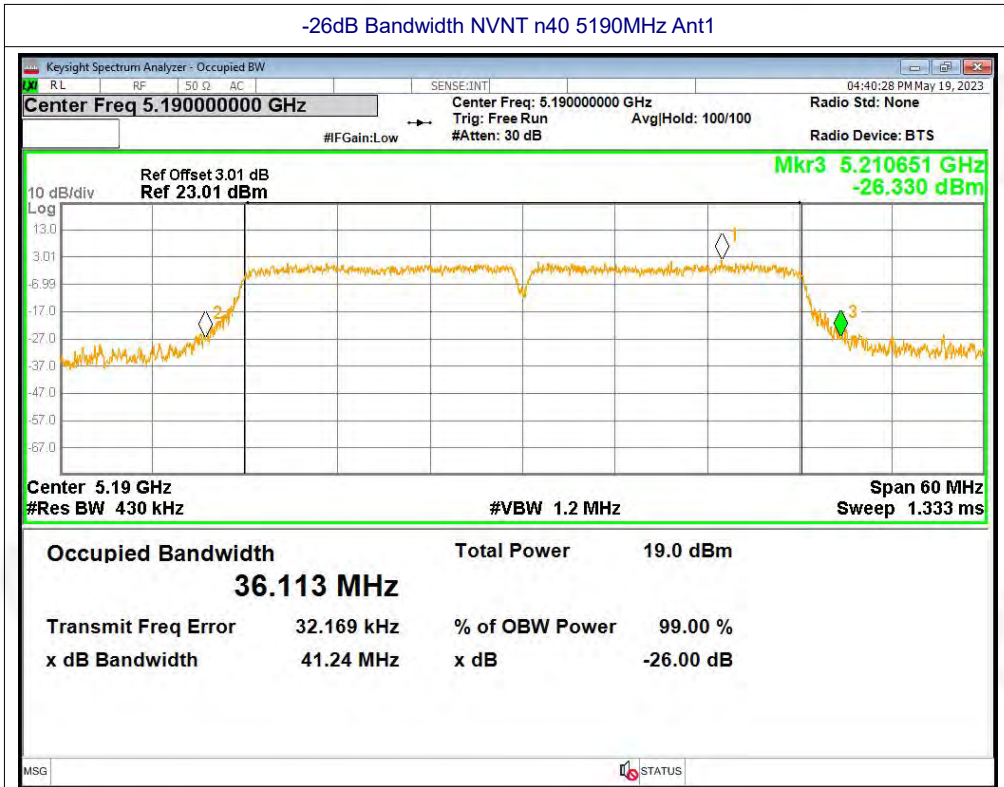


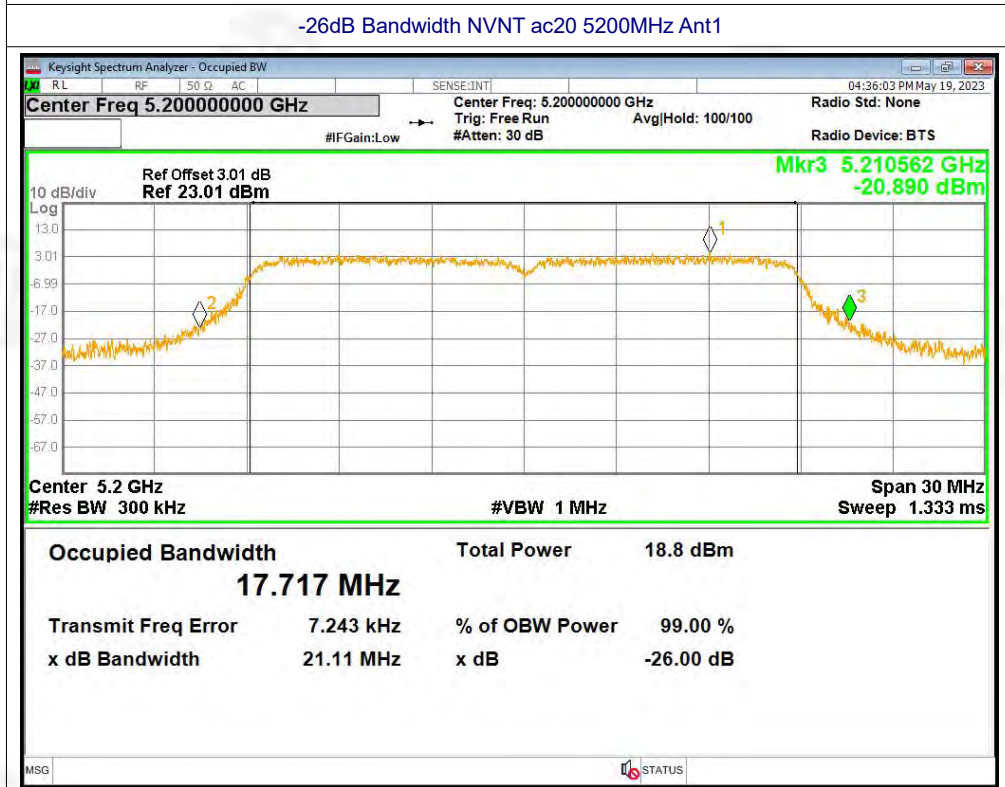
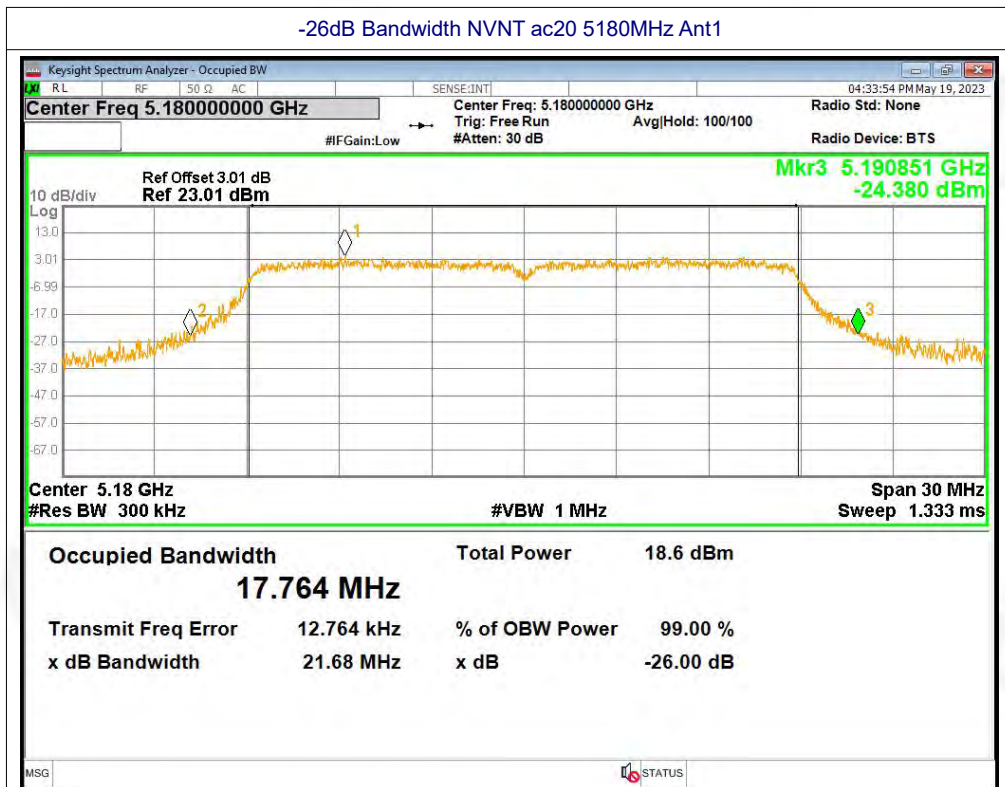
-26dB Bandwidth NVNT a 5200MHz Ant1









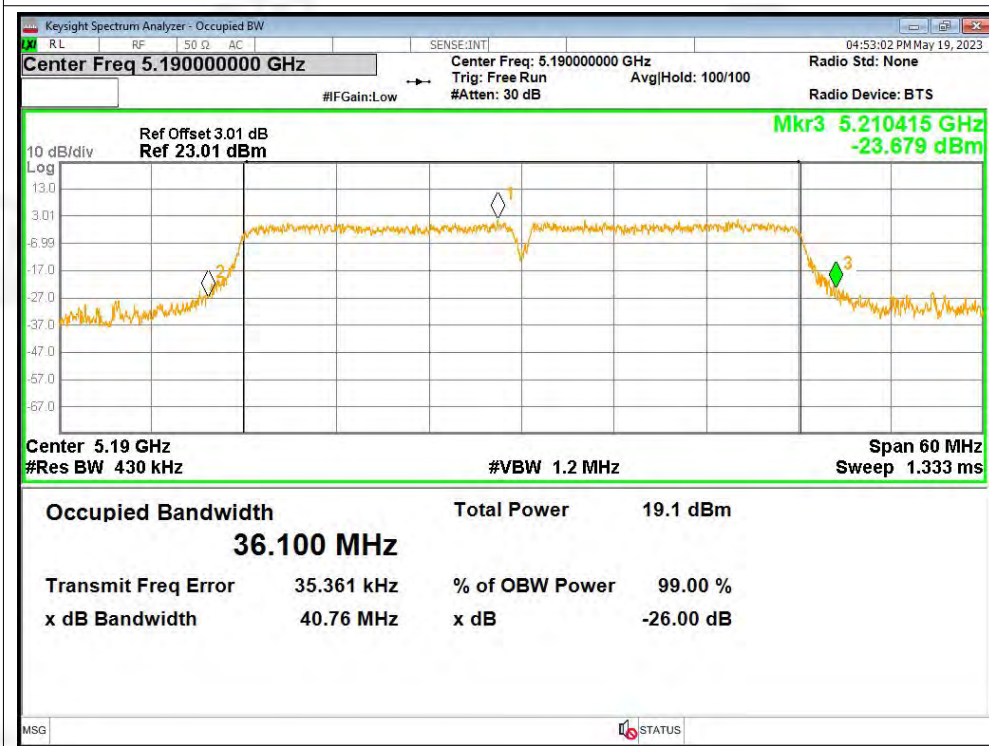


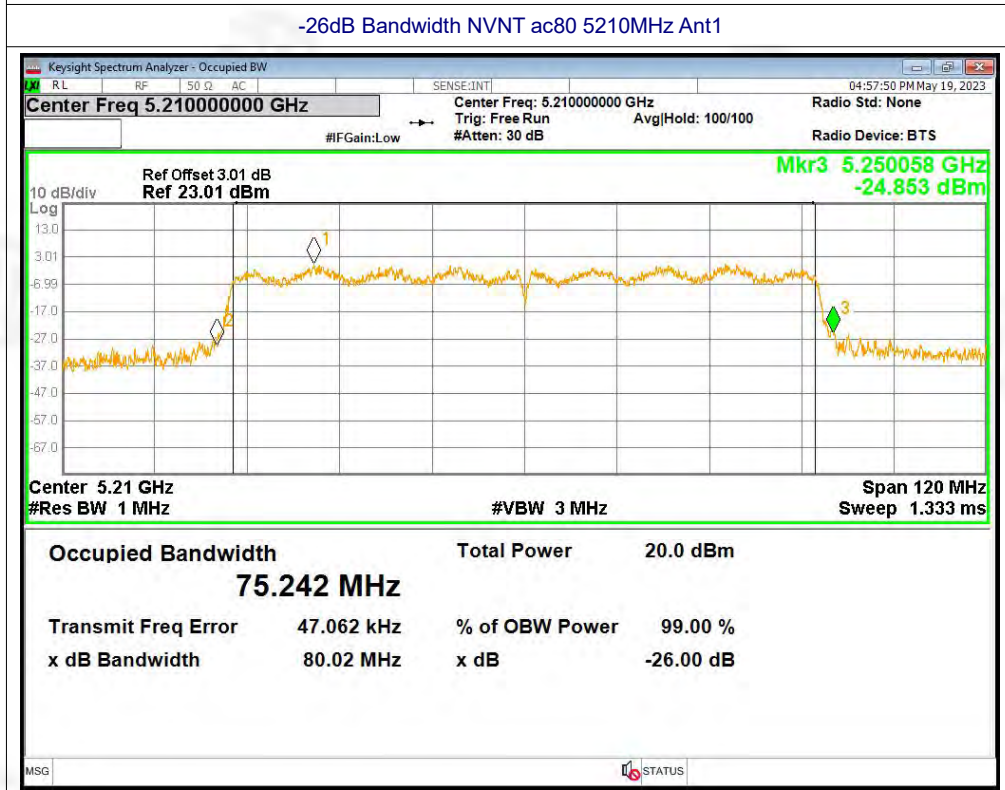
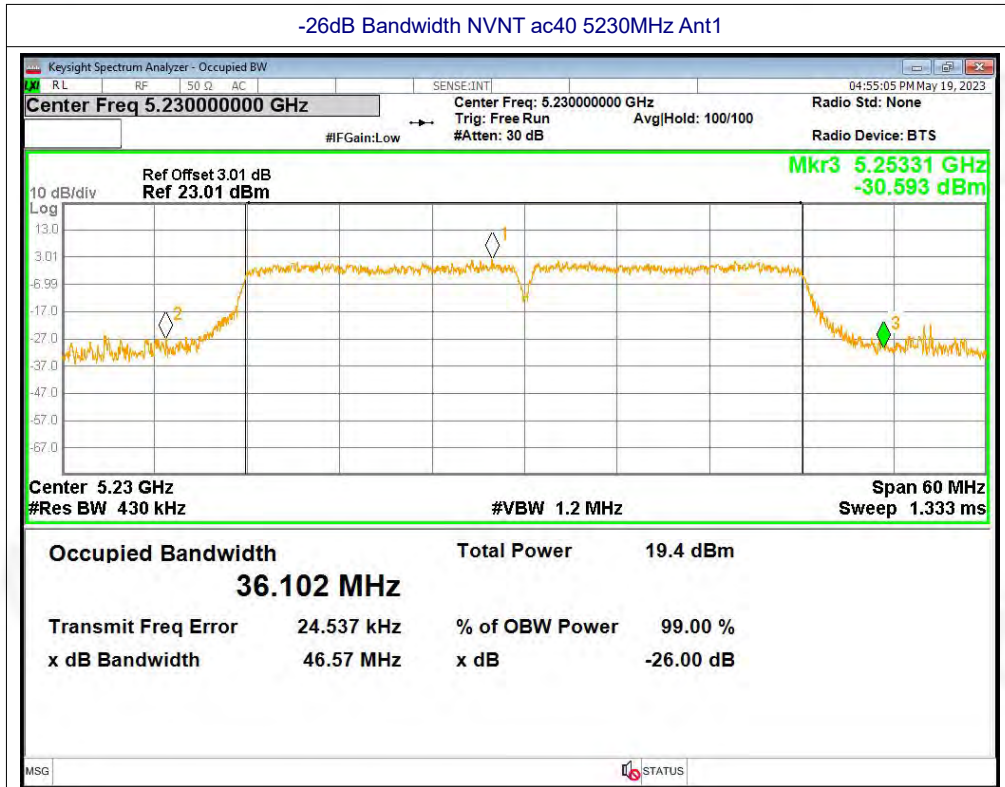


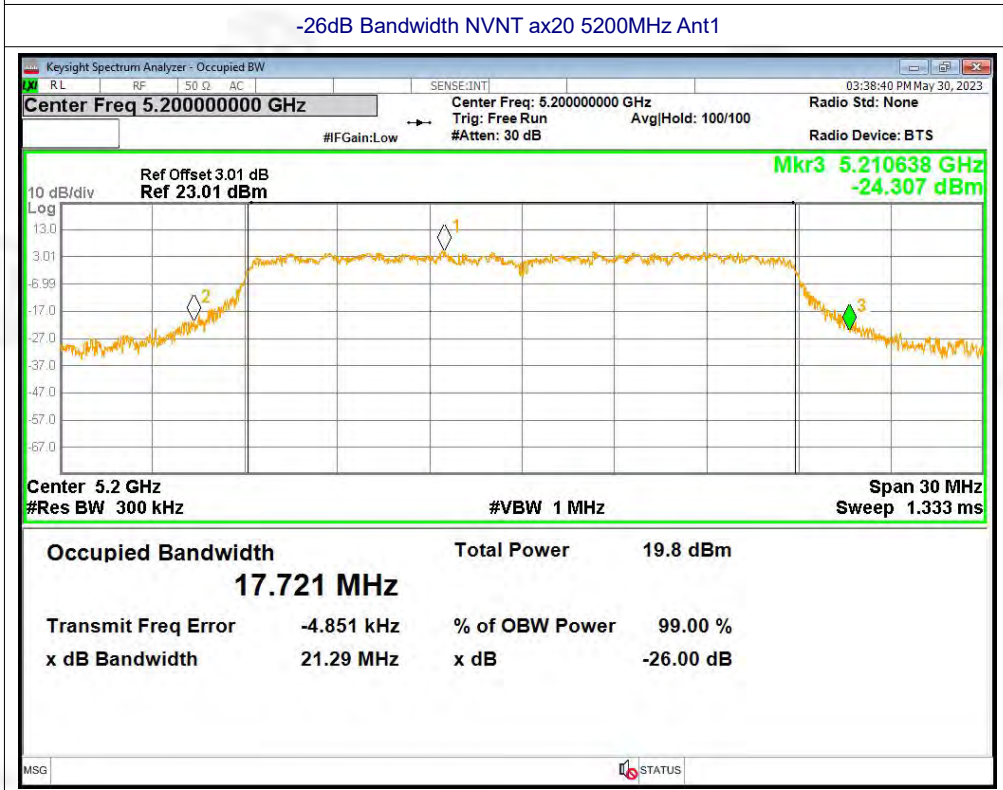
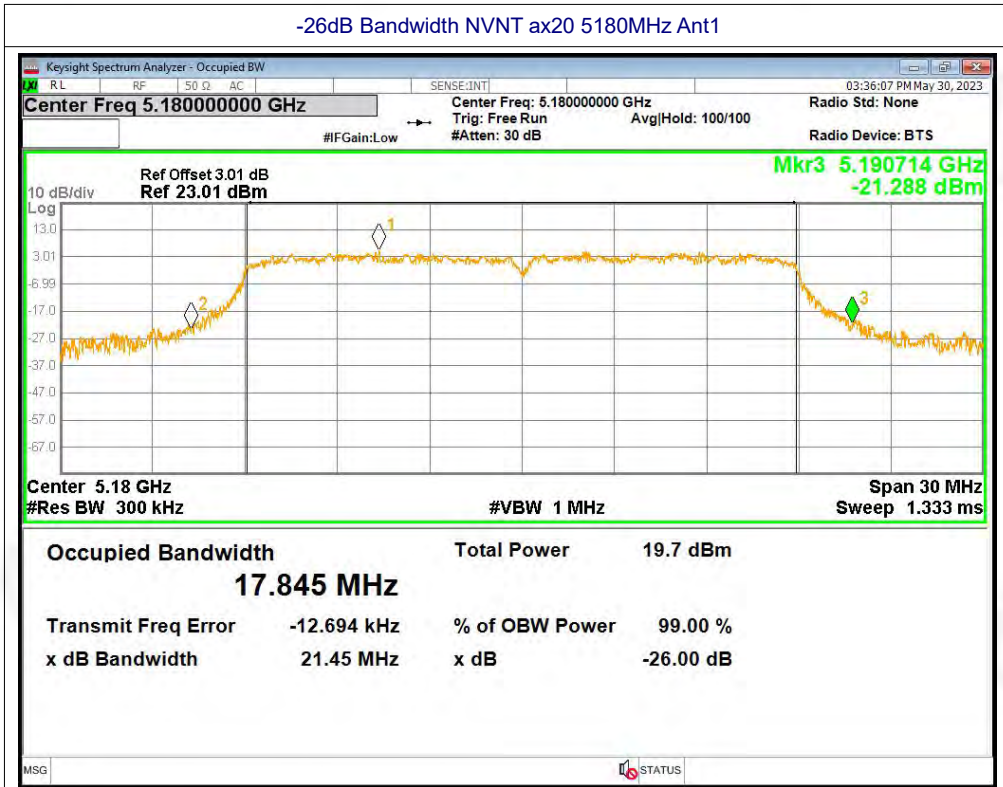
-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1

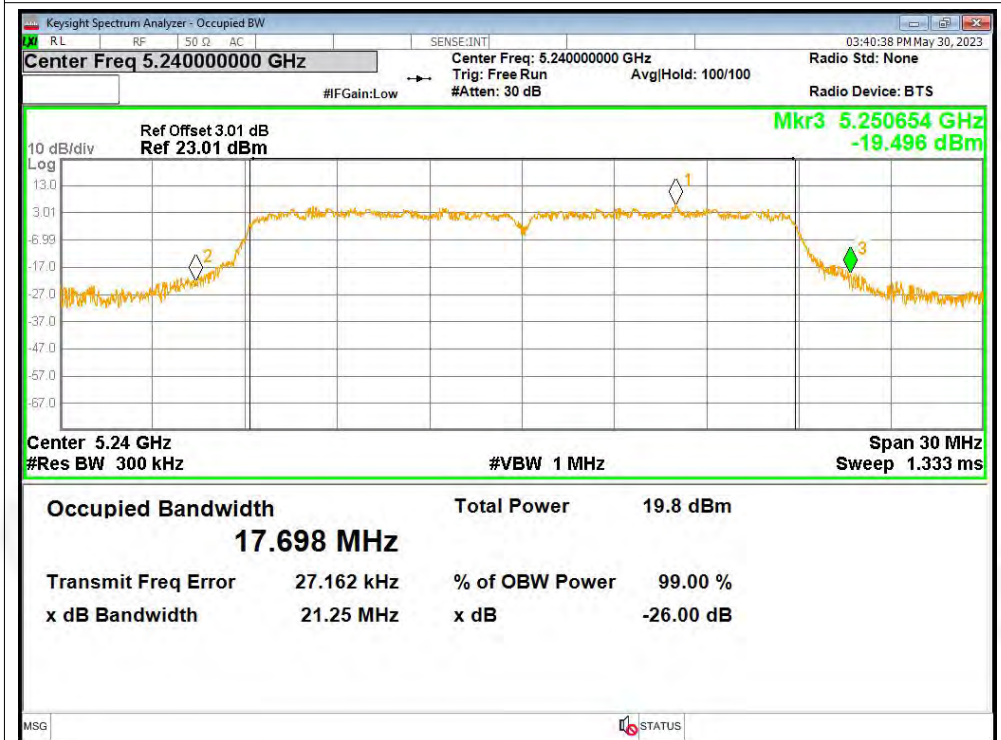




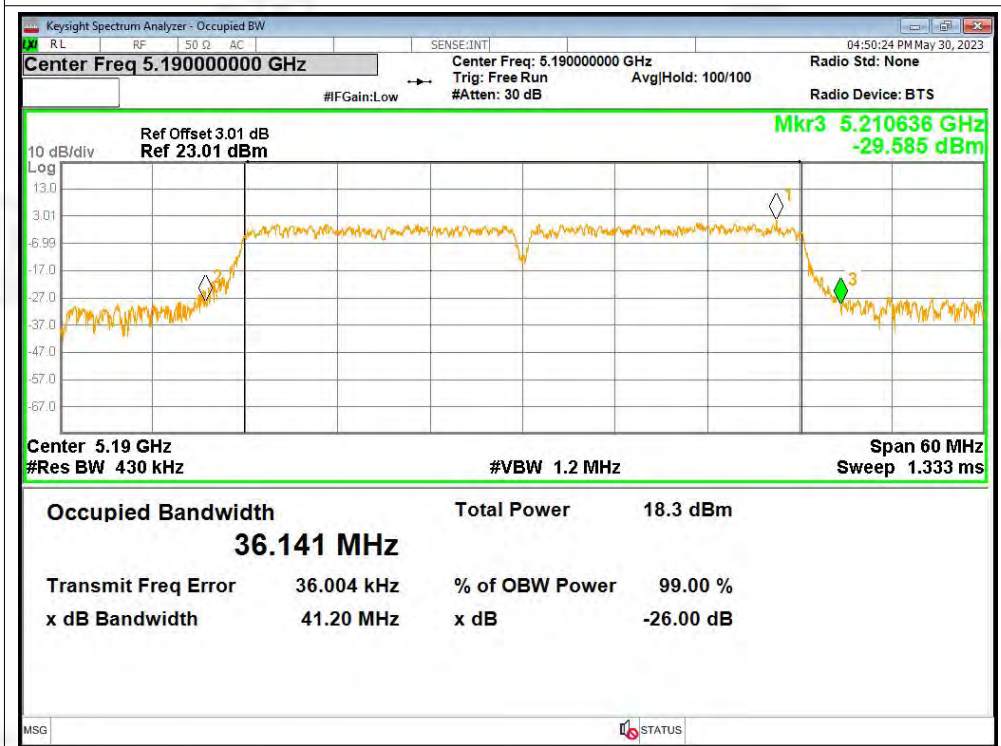


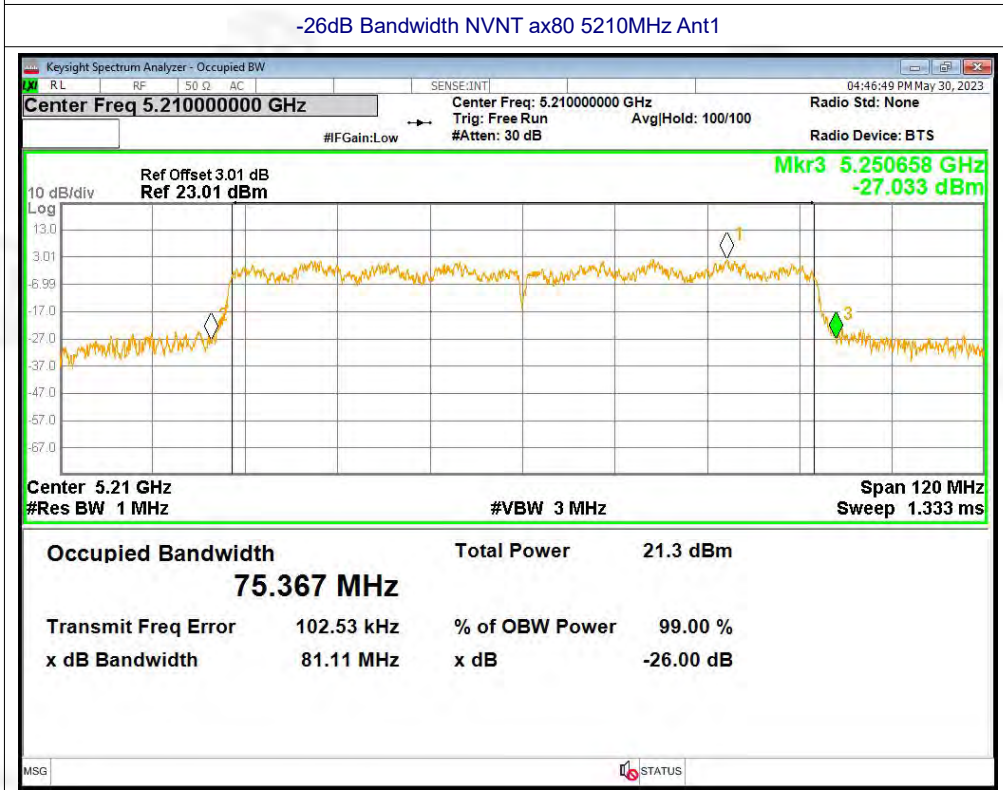
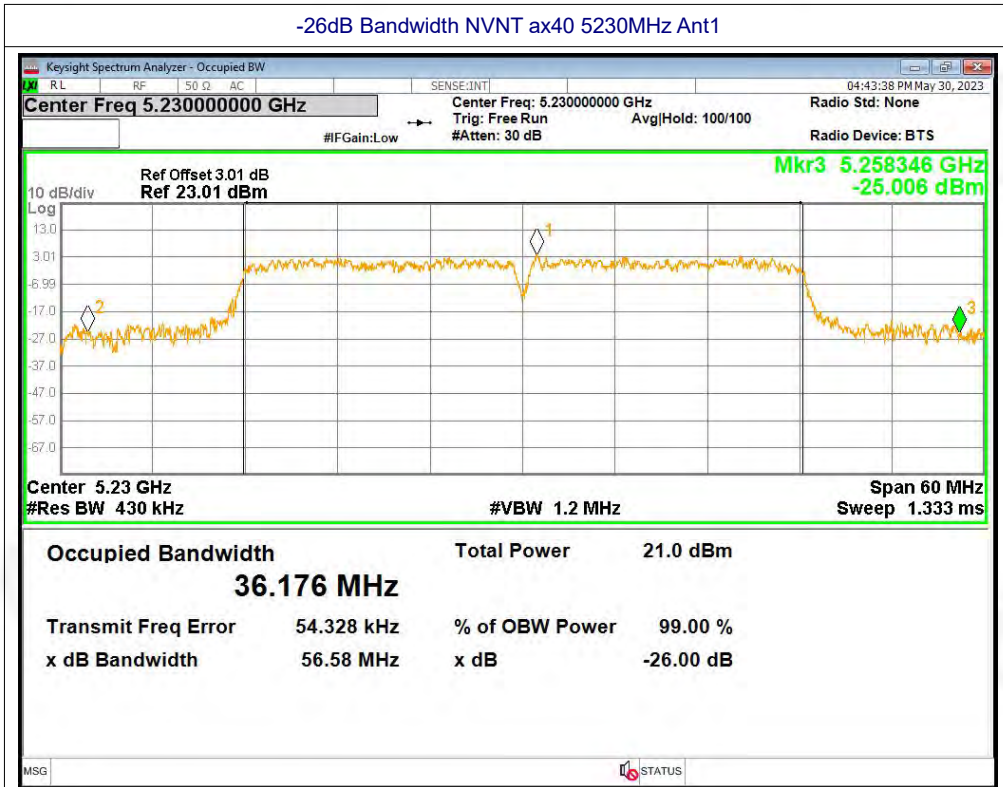


-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1







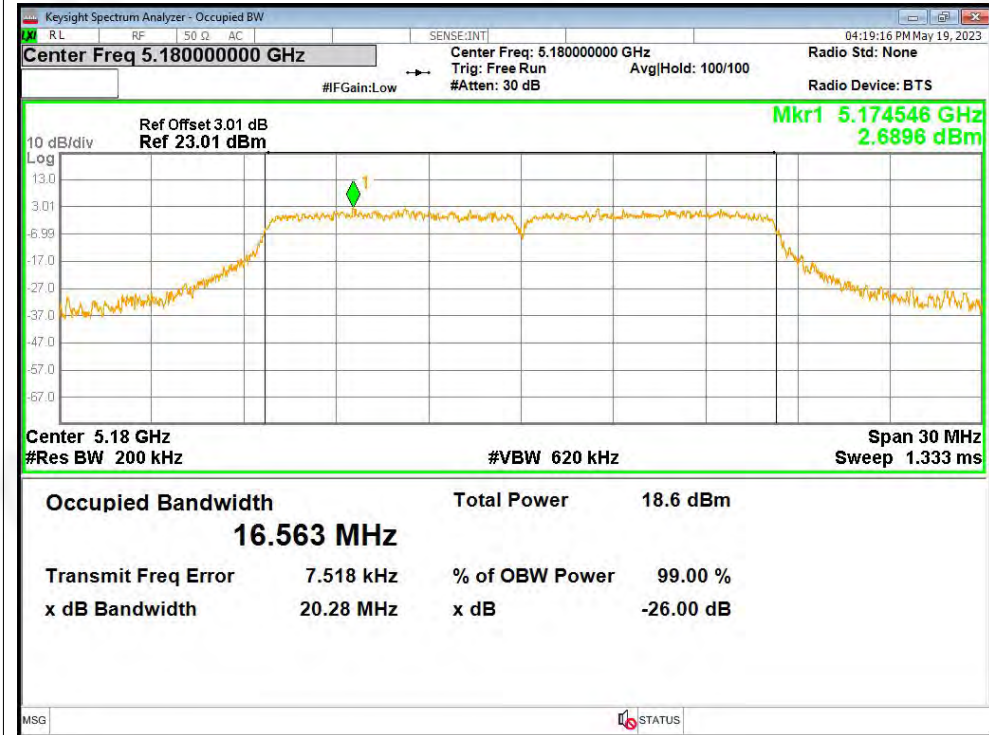
A.4 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.563
NVNT	a	5200	Ant1	16.557
NVNT	a	5240	Ant1	16.528
NVNT	n20	5180	Ant1	17.672
NVNT	n20	5200	Ant1	17.611
NVNT	n20	5240	Ant1	17.638
NVNT	n40	5190	Ant1	36.179
NVNT	n40	5230	Ant1	36.172
NVNT	ac20	5180	Ant1	17.655
NVNT	ac20	5200	Ant1	17.609
NVNT	ac20	5240	Ant1	17.655
NVNT	ac40	5190	Ant1	36.198
NVNT	ac40	5230	Ant1	36.217
NVNT	ac80	5210	Ant1	75.27
NVNT	ax20	5180	Ant1	17.675
NVNT	ax20	5200	Ant1	17.628
NVNT	ax20	5240	Ant1	17.607
NVNT	ax40	5190	Ant1	36.201
NVNT	ax40	5230	Ant1	36.264
NVNT	ax80	5210	Ant1	75.533

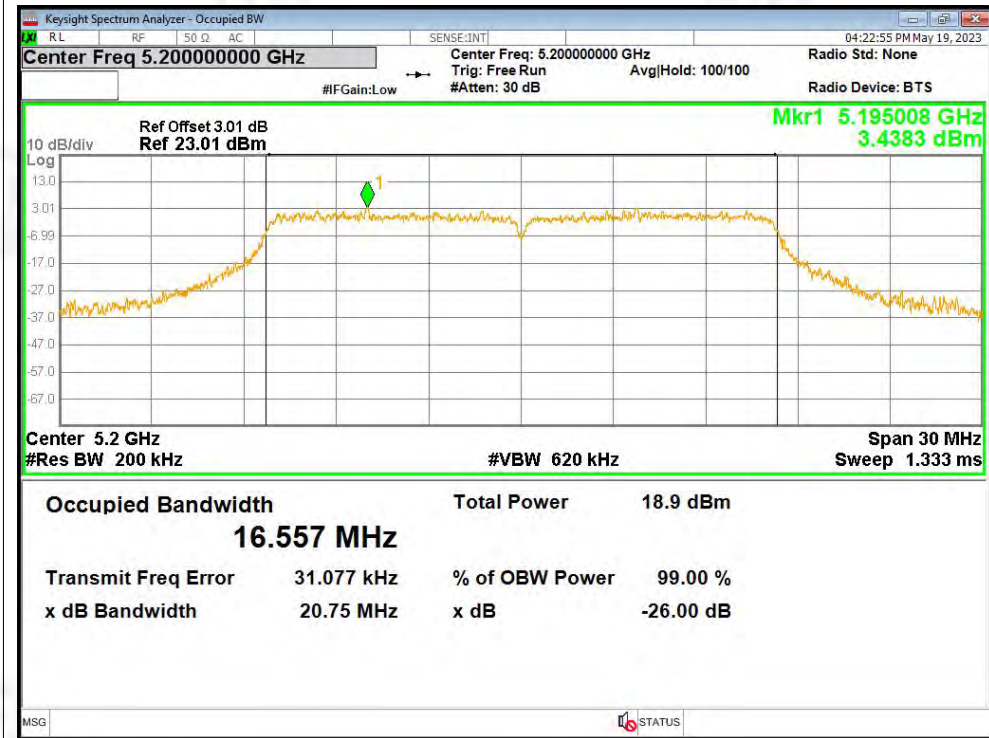


Test Graphs

OBW NVNT a 5180MHz Ant1

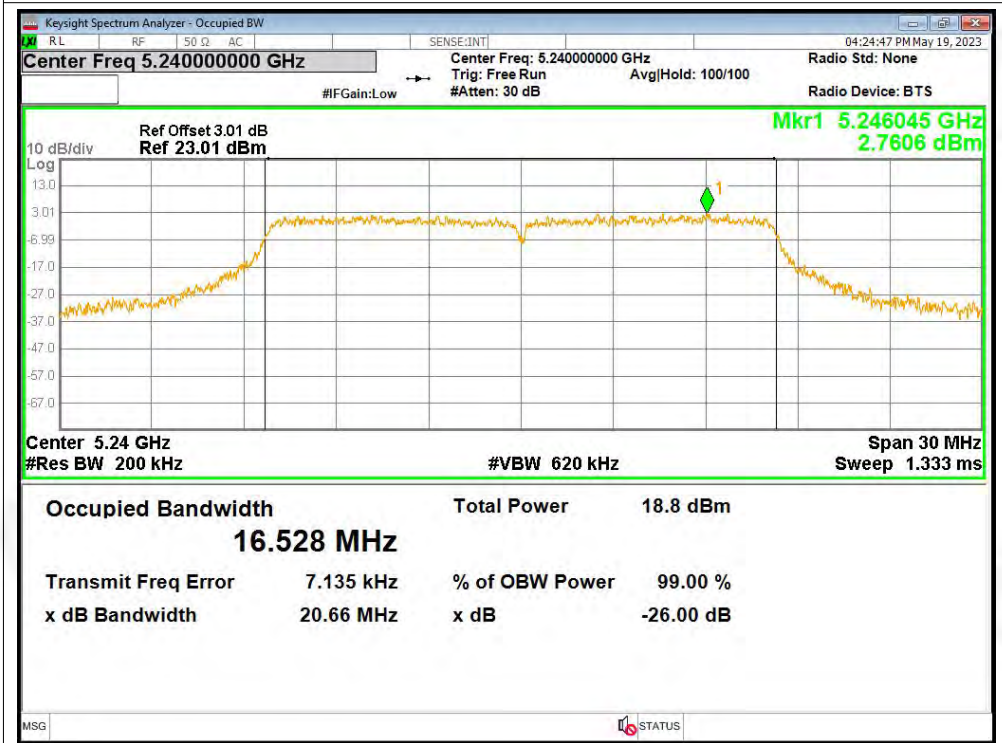


OBW NVNT a 5200MHz Ant1

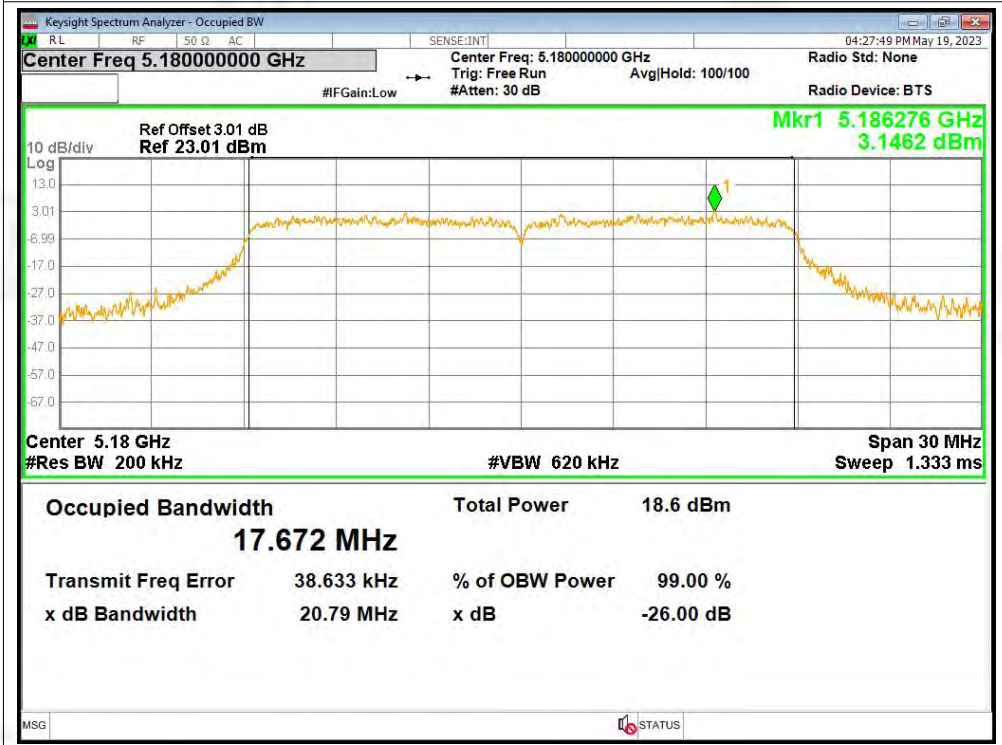


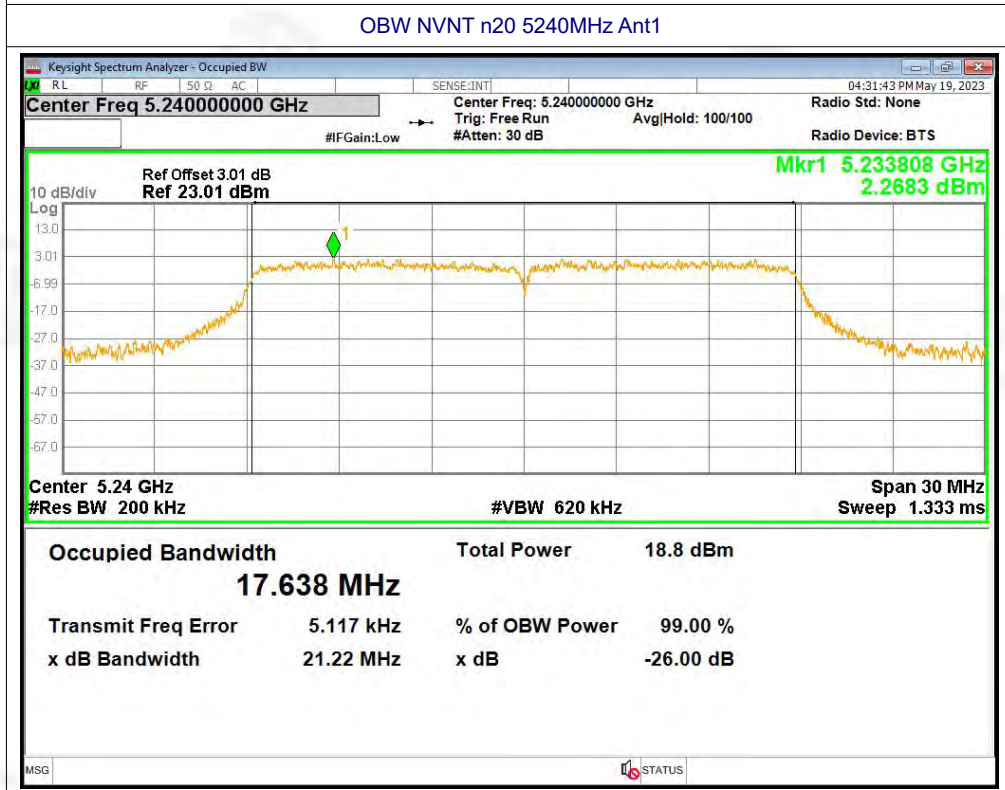
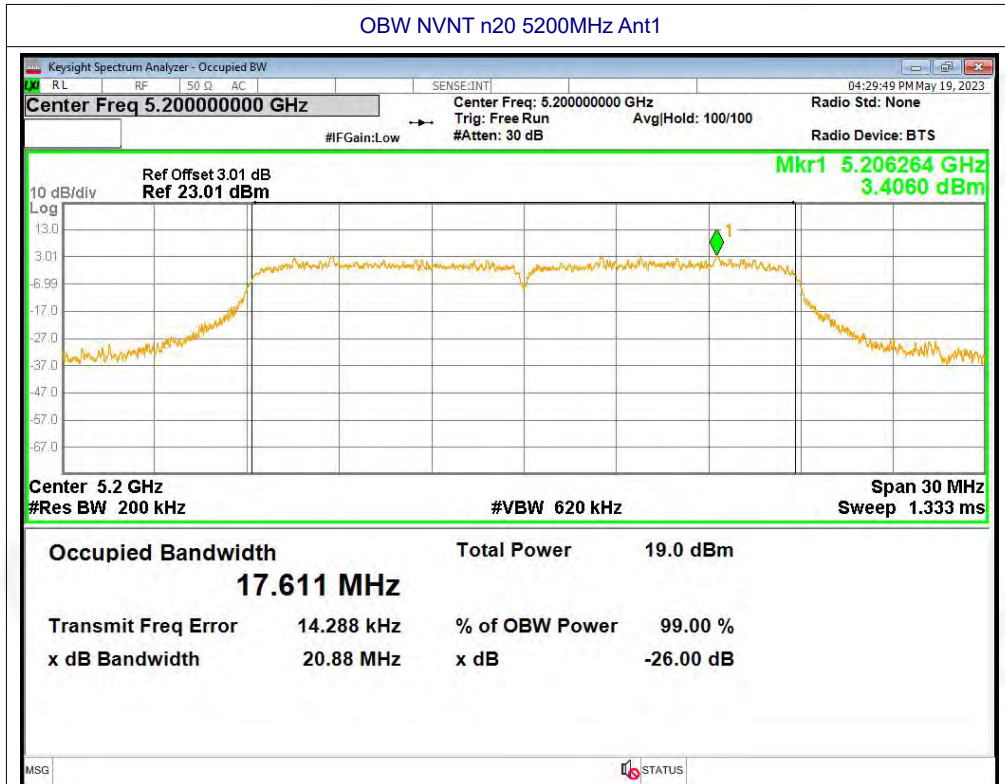


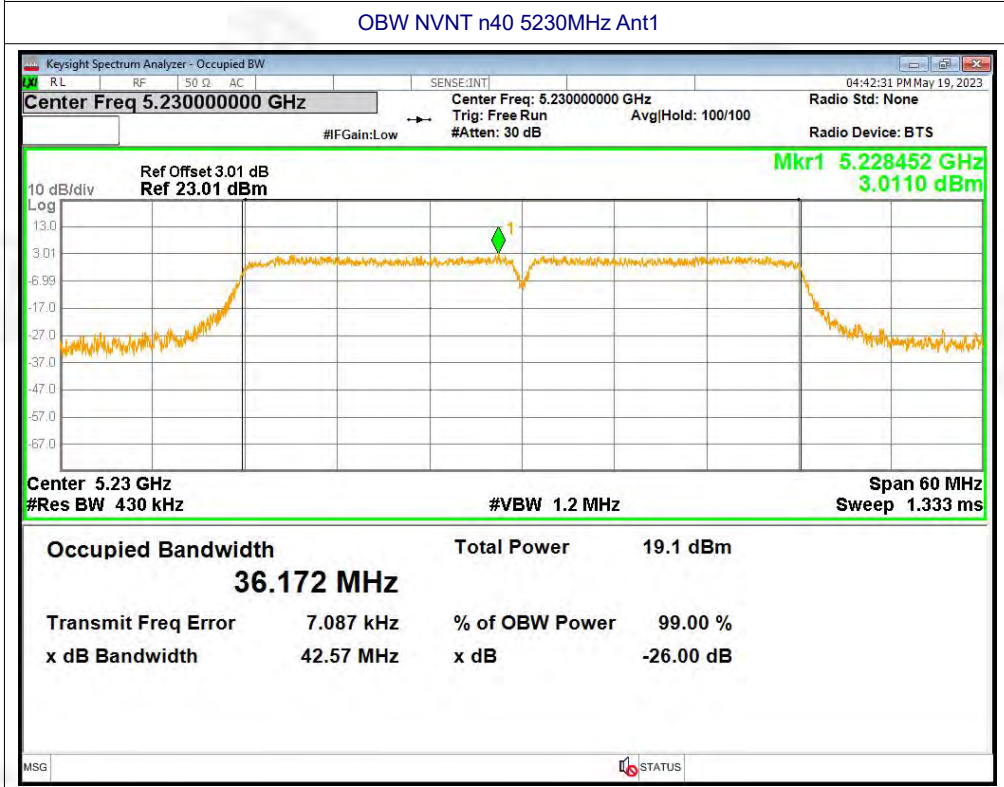
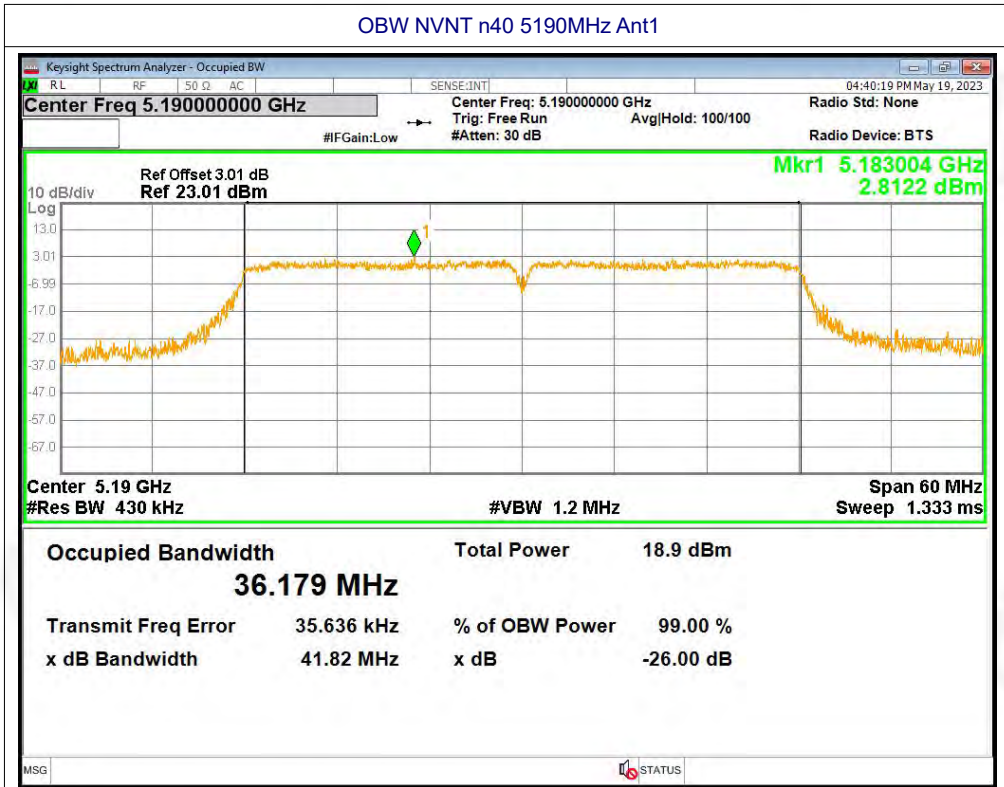
OBW NVNT a 5240MHz Ant1



OBW NVNT n20 5180MHz Ant1

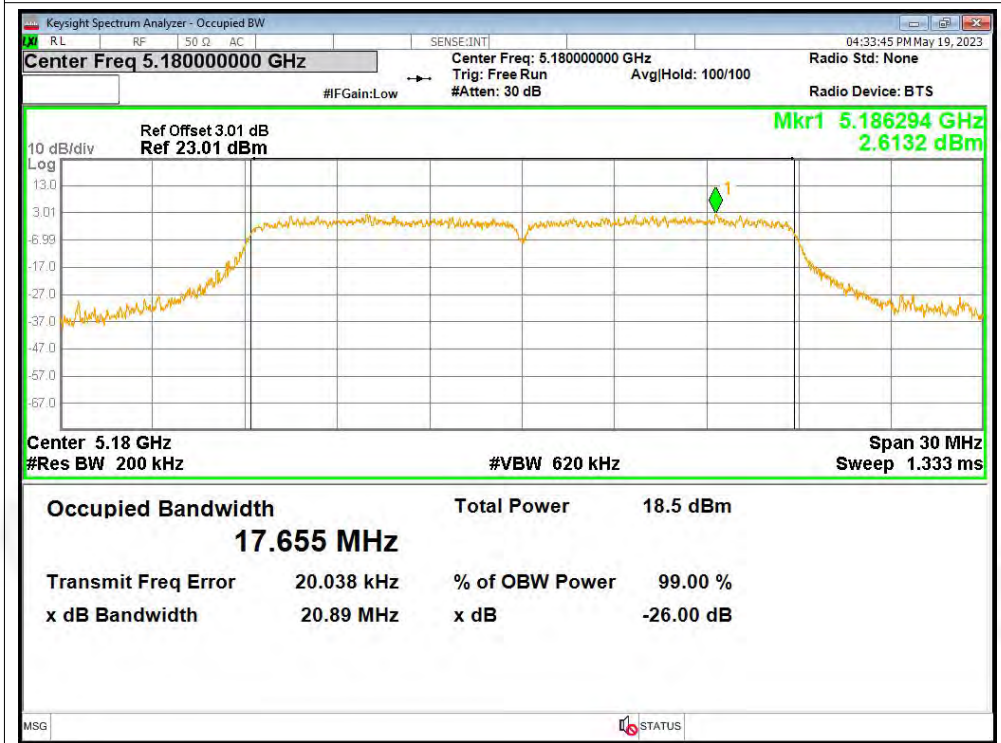




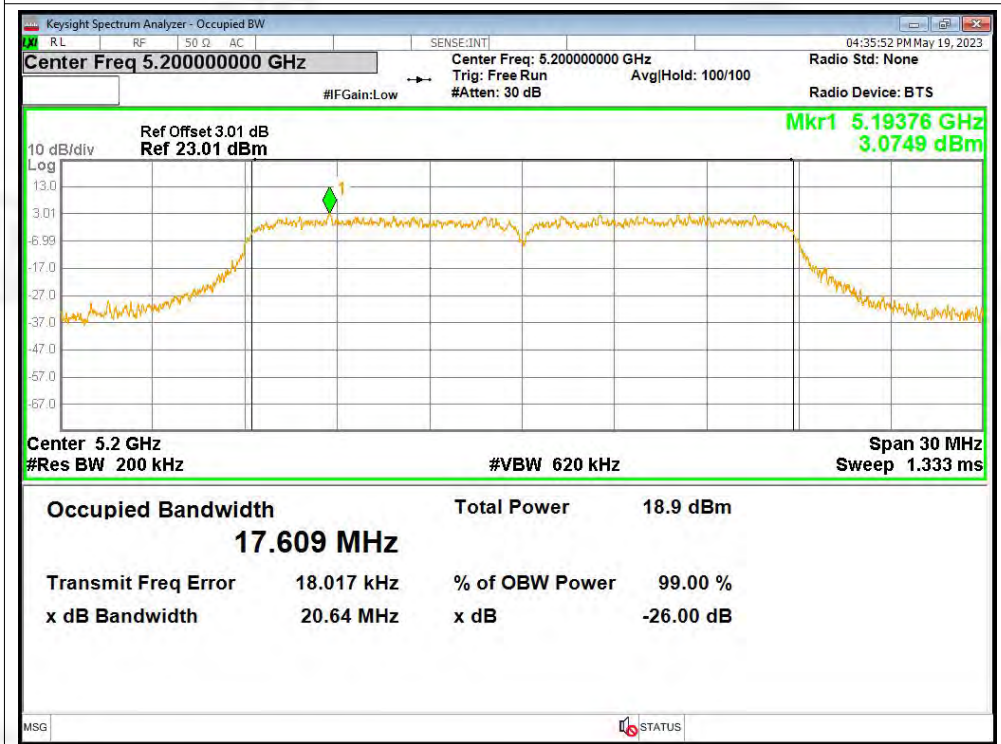




OBW NVNT ac20 5180MHz Ant1

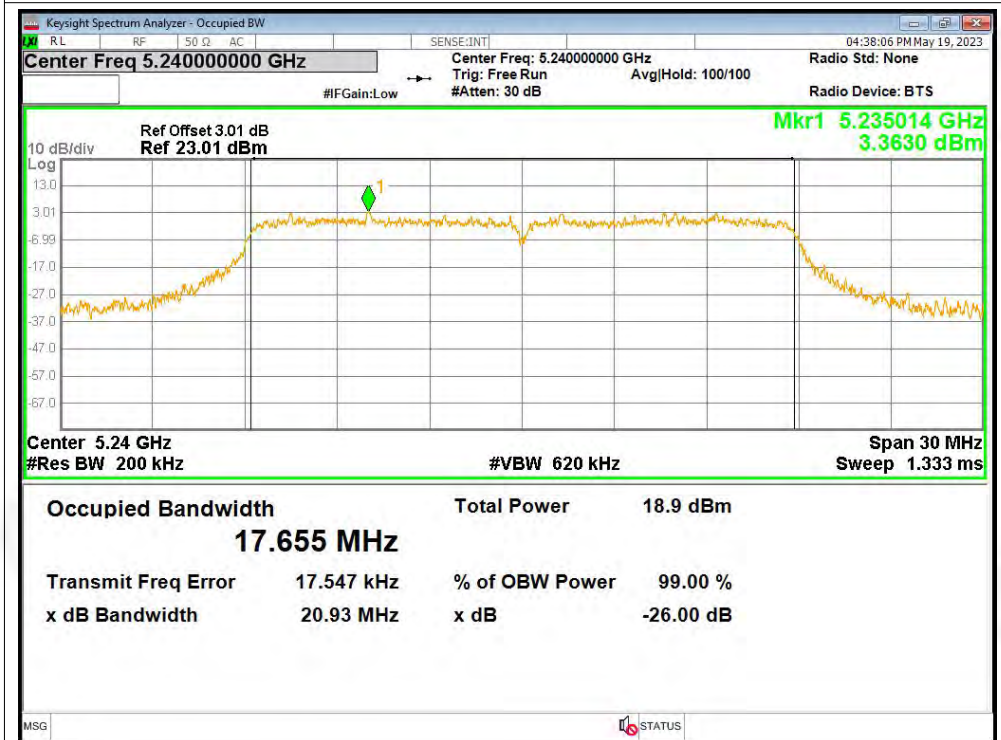


OBW NVNT ac20 5200MHz Ant1

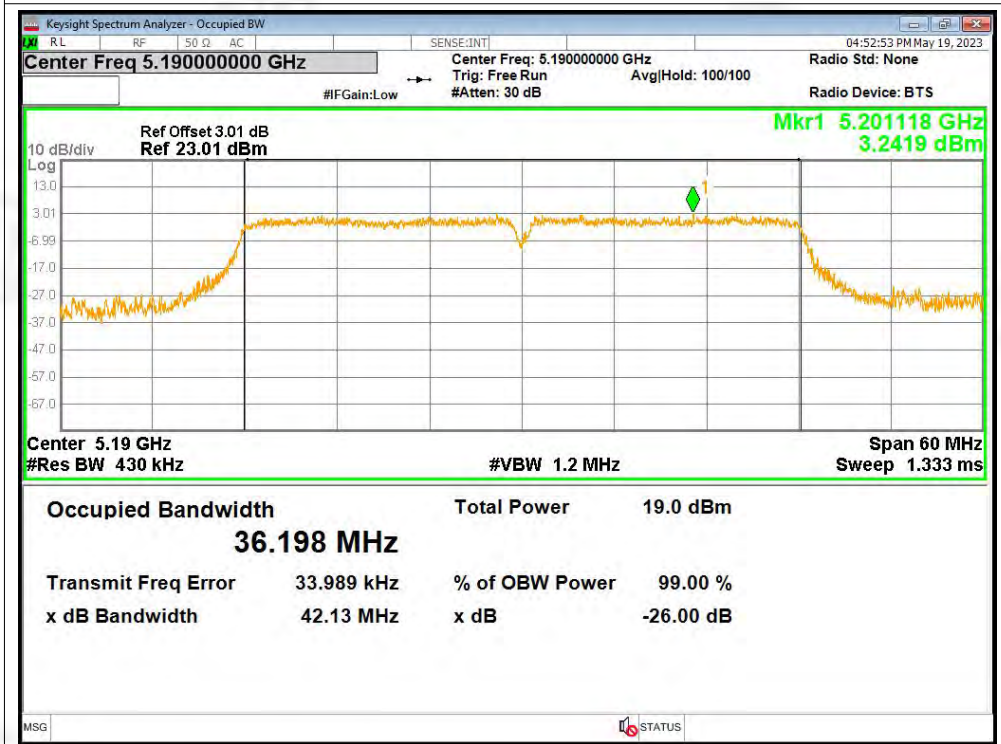




OBW NVNT ac20 5240MHz Ant1

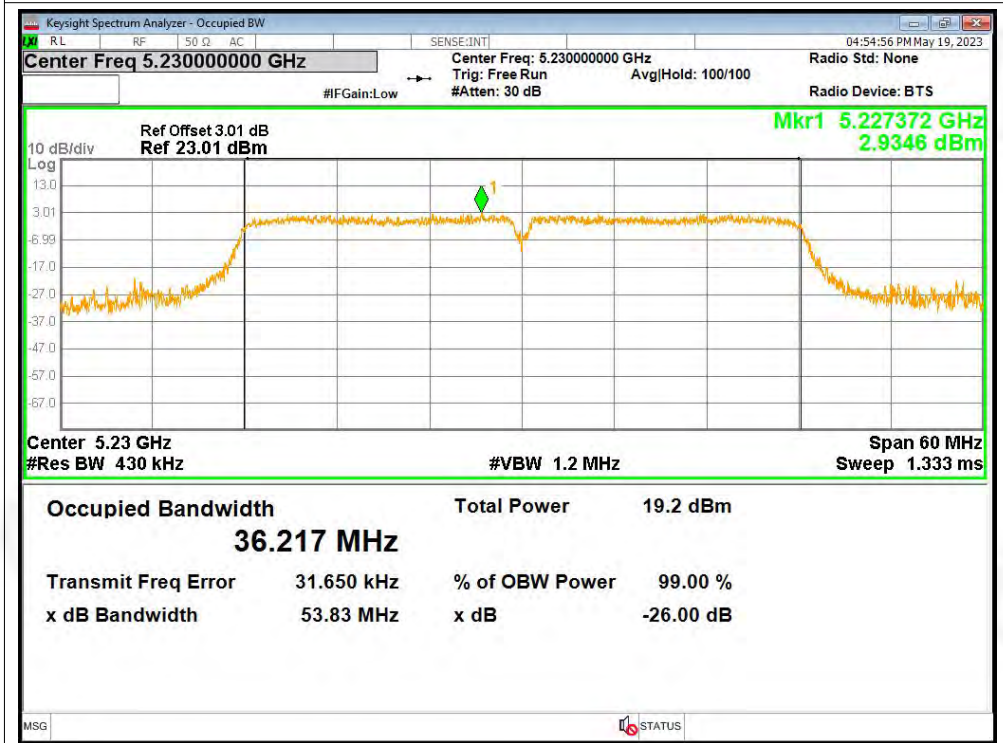


OBW NVNT ac40 5190MHz Ant1

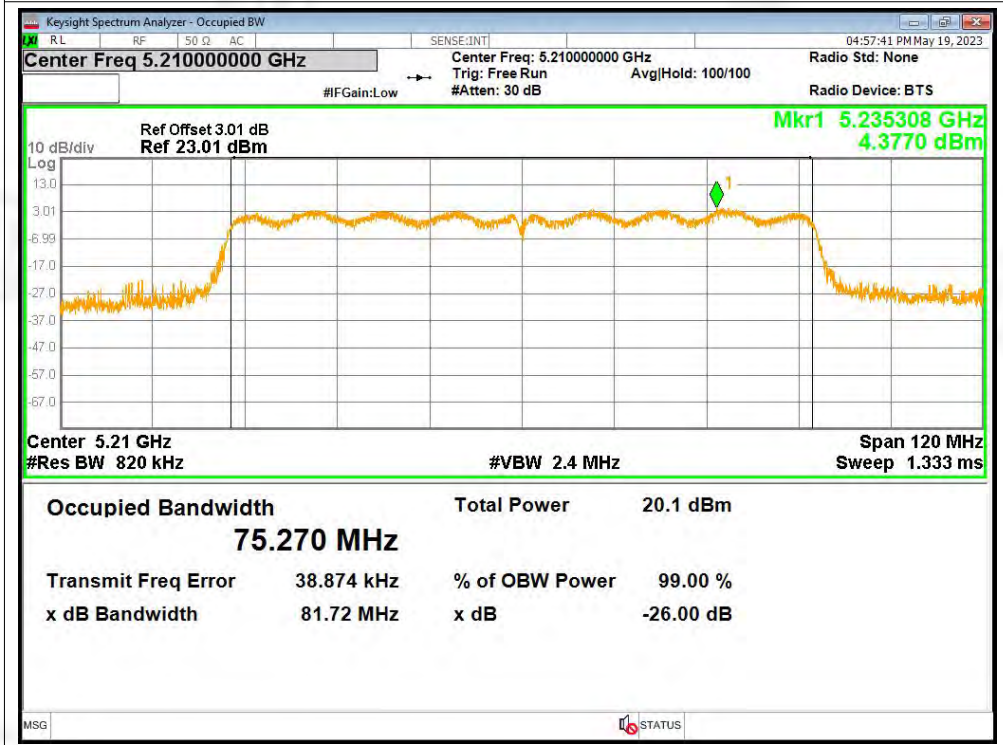




OBW NVNT ac40 5230MHz Ant1

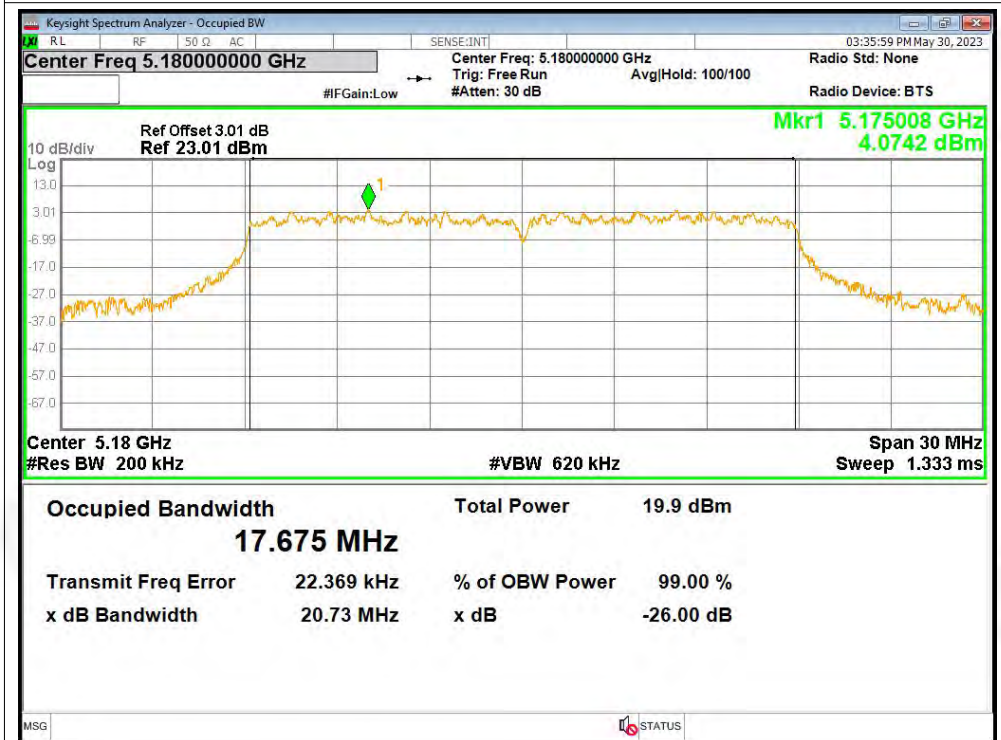


OBW NVNT ac80 5210MHz Ant1

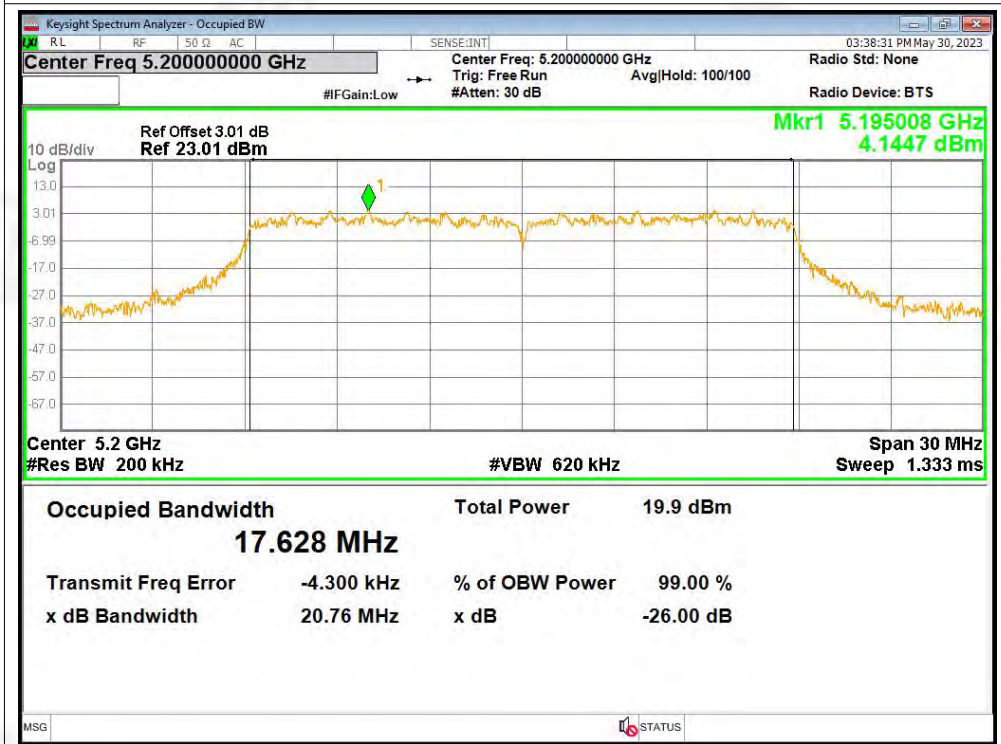




OBW NVNT ax20 5180MHz Ant1

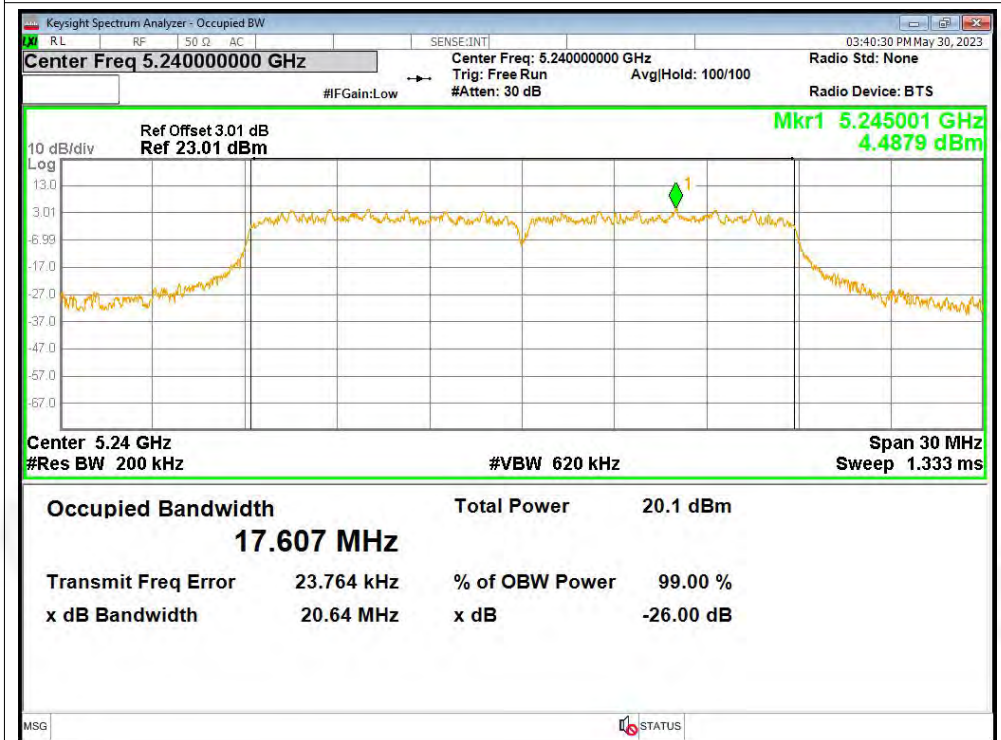


OBW NVNT ax20 5200MHz Ant1

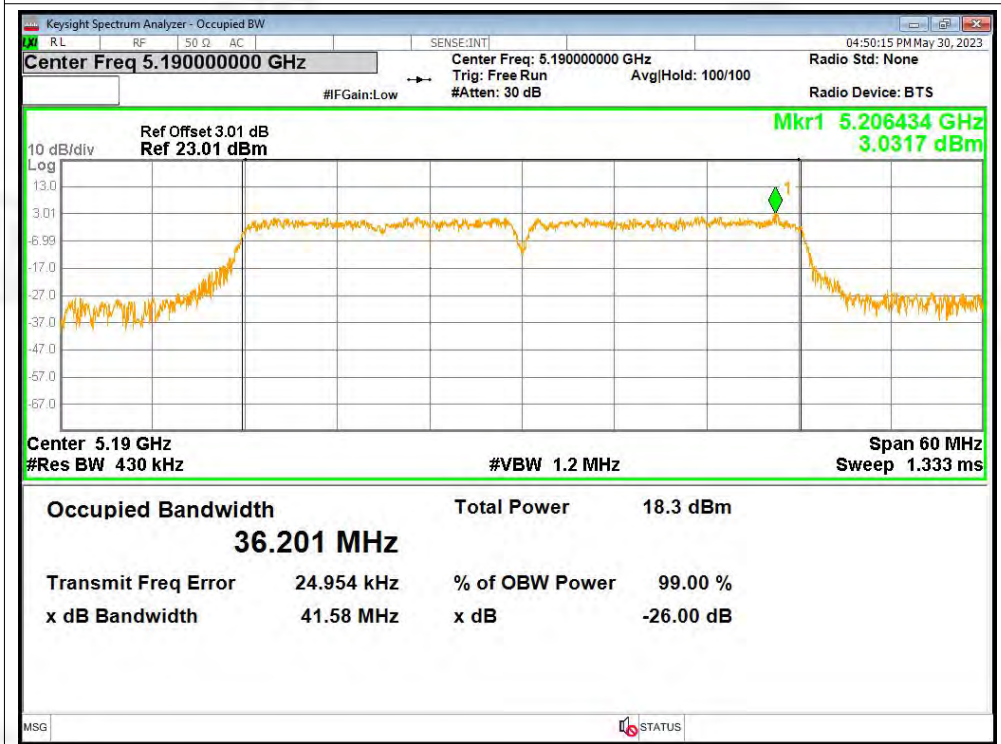




OBW NVNT ax20 5240MHz Ant1

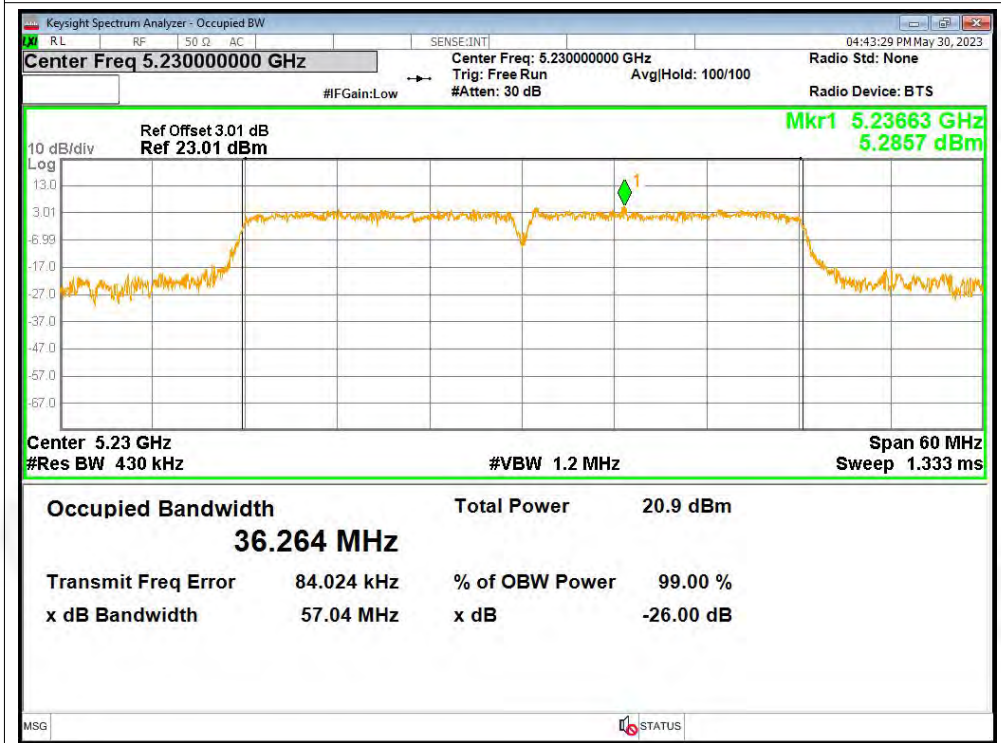


OBW NVNT ax40 5190MHz Ant1

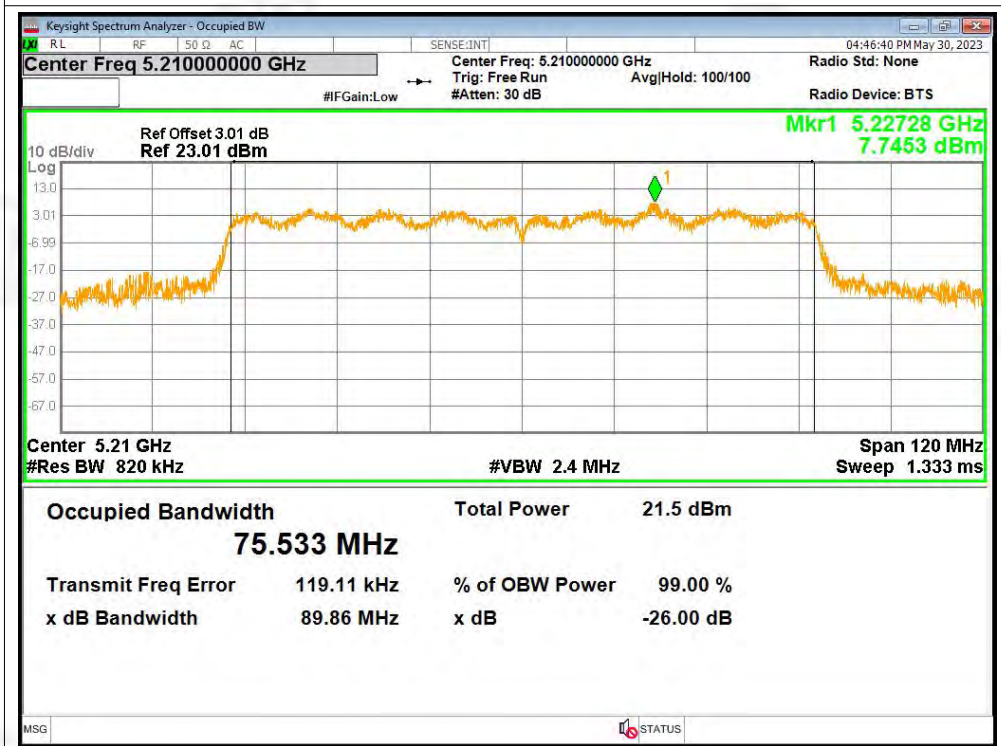




OBW NVNT ax40 5230MHz Ant1



OBW NVNT ax80 5210MHz Ant1





A.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	-0.53	0.1	-0.43	11	Pass
NVNT	a	5200	Ant1	-0.03	0.31	0.28	11	Pass
NVNT	a	5240	Ant1	-0.32	0.19	-0.13	11	Pass
NVNT	n20	5180	Ant1	-1.3	0.22	-1.08	11	Pass
NVNT	n20	5200	Ant1	0.08	0.29	0.37	11	Pass
NVNT	n20	5240	Ant1	-0.75	0.2	-0.55	11	Pass
NVNT	n40	5190	Ant1	-5.59	0.17	-5.42	11	Pass
NVNT	n40	5230	Ant1	-5.8	0	-5.8	11	Pass
NVNT	ac20	5180	Ant1	-1.58	0.26	-1.32	11	Pass
NVNT	ac20	5200	Ant1	-1.4	0.15	-1.25	11	Pass
NVNT	ac20	5240	Ant1	-0.6	0.22	-0.38	11	Pass
NVNT	ac40	5190	Ant1	-6.46	0.21	-6.25	11	Pass
NVNT	ac40	5230	Ant1	-5.76	0.31	-5.45	11	Pass
NVNT	ac80	5210	Ant1	-11.42	0.28	-11.14	11	Pass
NVNT	ax20	5180	Ant1	-13.26	0.17	-13.09	11	Pass
NVNT	ax20	5200	Ant1	-15.19	0.15	-15.04	11	Pass
NVNT	ax20	5240	Ant1	-12.54	0.24	-12.3	11	Pass
NVNT	ax40	5190	Ant1	-26.42	0.3	-26.12	11	Pass
NVNT	ax40	5230	Ant1	-22.06	0.24	-21.82	11	Pass
NVNT	ax80	5210	Ant1	-37.61	0.23	-37.38	11	Pass



Test Graphs

PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1

