

Appendix B for 5GWIFI Test Data

Product Name: Notebook

Test Model: A16

Environmental Conditions

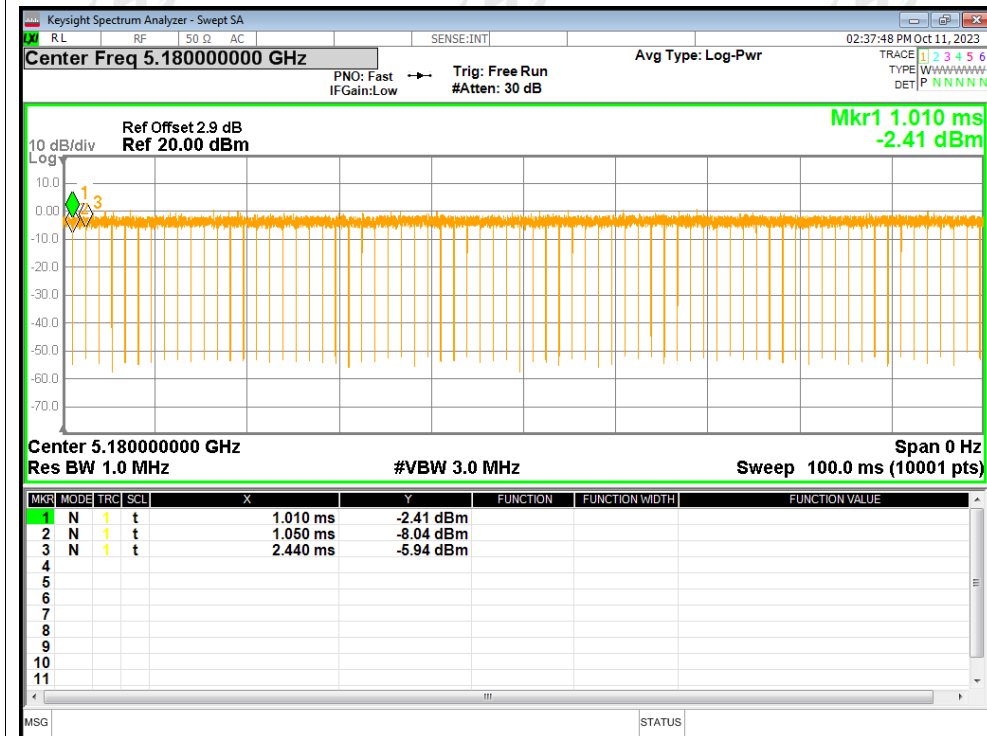
Temperature:	23.8℃
Relative Humidity:	52%
ATM Pressure:	101.0 kPa
Test Engineer:	Leon Li
Supervised by:	Baret Wu

B1.Duty Cycle

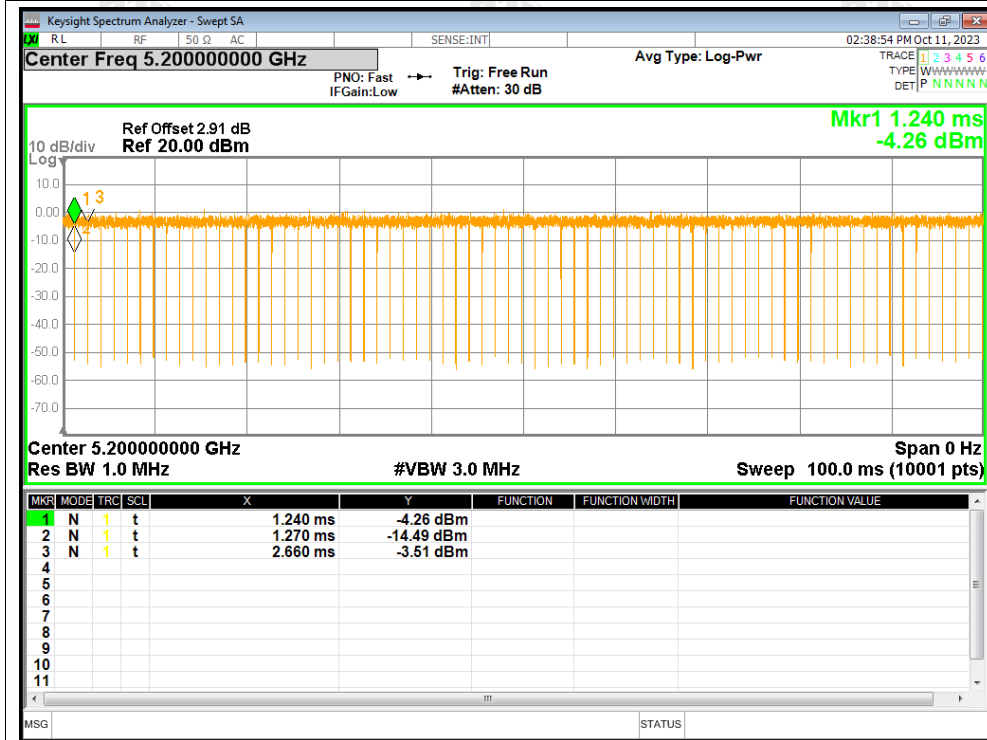
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	91.84	0.12
NVNT	a	5200	Ant1	96.48	0.09
NVNT	a	5240	Ant1	95.57	0.12
NVNT	n20	5180	Ant1	94.92	0.09
NVNT	n20	5200	Ant1	87.49	0.09
NVNT	n20	5240	Ant1	93.77	0.12
NVNT	n40	5190	Ant1	79.53	0.16
NVNT	n40	5230	Ant1	69.49	0.2
NVNT	ac20	5180	Ant1	91.3	0.09
NVNT	ac20	5200	Ant1	95.81	0.12
NVNT	ac20	5240	Ant1	88.69	0.09
NVNT	ac40	5190	Ant1	78.49	0.33
NVNT	ac40	5230	Ant1	82.45	0.2
NVNT	ac80	5210	Ant1	97.47	0.11
NVNT	a	5180	Ant2	97.2	0.12
NVNT	a	5200	Ant2	97.2	0.12
NVNT	a	5240	Ant2	97.9	0.09
NVNT	n20	5180	Ant2	97.89	0.09
NVNT	n20	5200	Ant2	97.89	0.09
NVNT	n20	5240	Ant2	97.2	0.12
NVNT	n40	5190	Ant2	96.43	0.16
NVNT	n40	5230	Ant2	95.59	0.2
NVNT	ac20	5180	Ant2	97.89	0.09
NVNT	ac20	5200	Ant2	97.89	0.09
NVNT	ac20	5240	Ant2	97.2	0.12
NVNT	ac40	5190	Ant2	93.55	0.29
NVNT	ac40	5230	Ant2	95.59	0.2
NVNT	ac80	5210	Ant2	95.07	0.22

Test Graphs

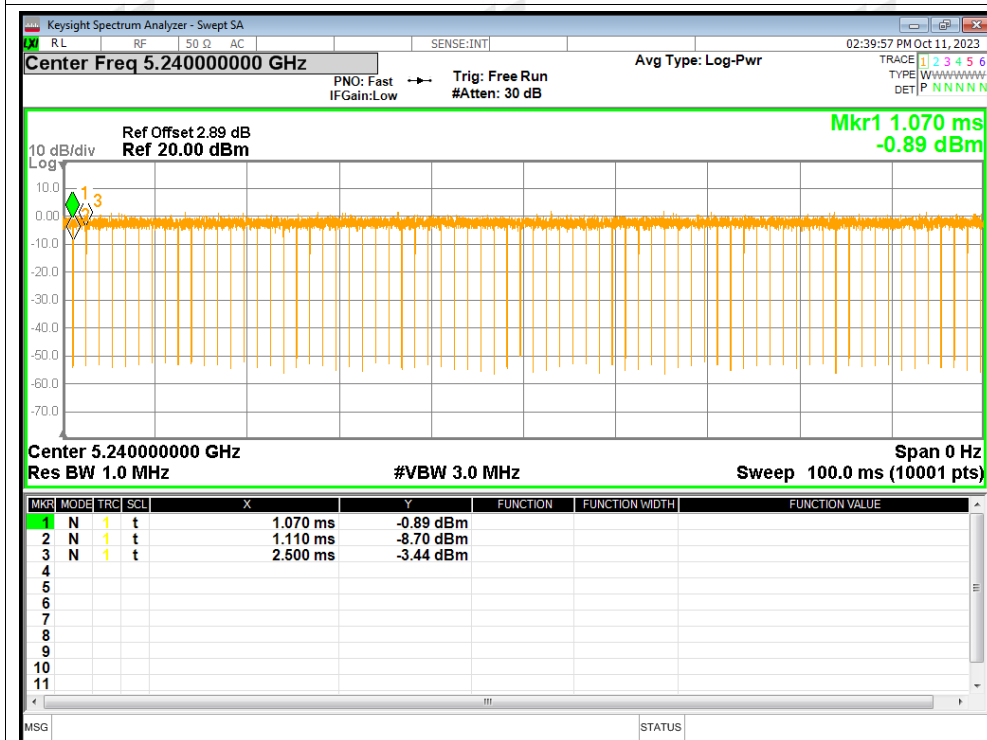
Duty Cycle NVNT a 5180MHz Ant1



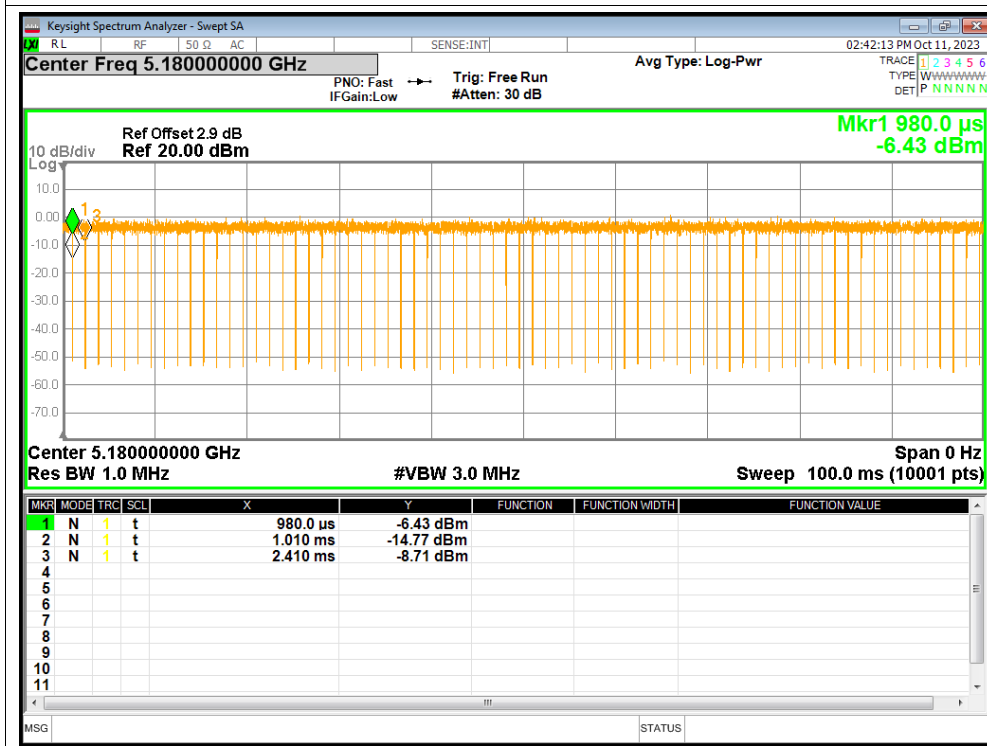
Duty Cycle NVNT a 5200MHz Ant1



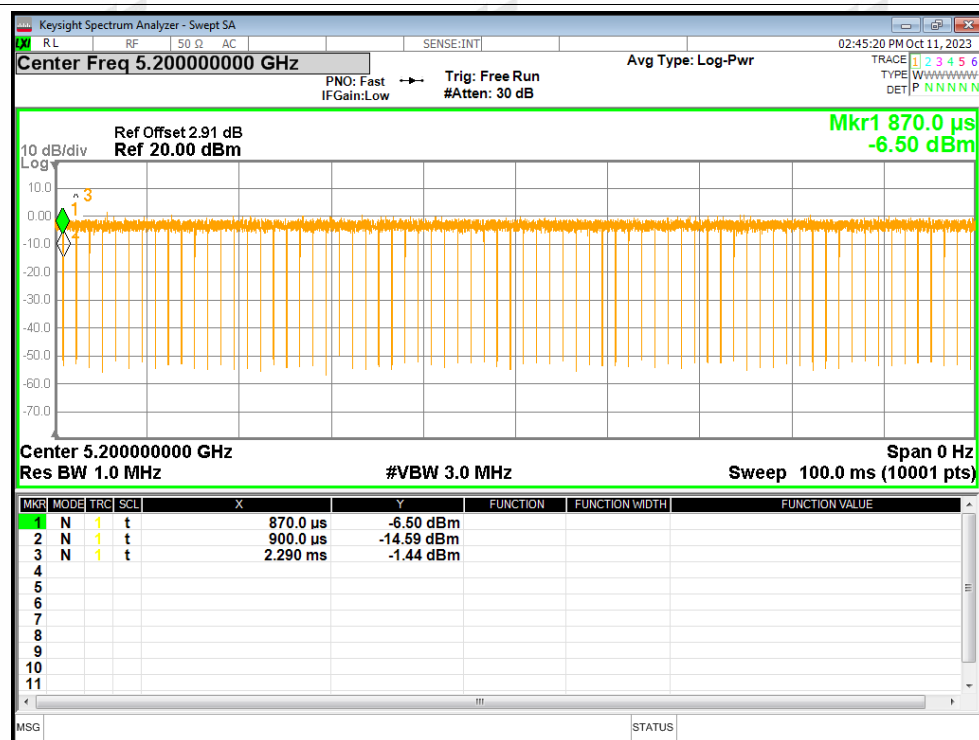
Duty Cycle NVNT a 5240MHz Ant1



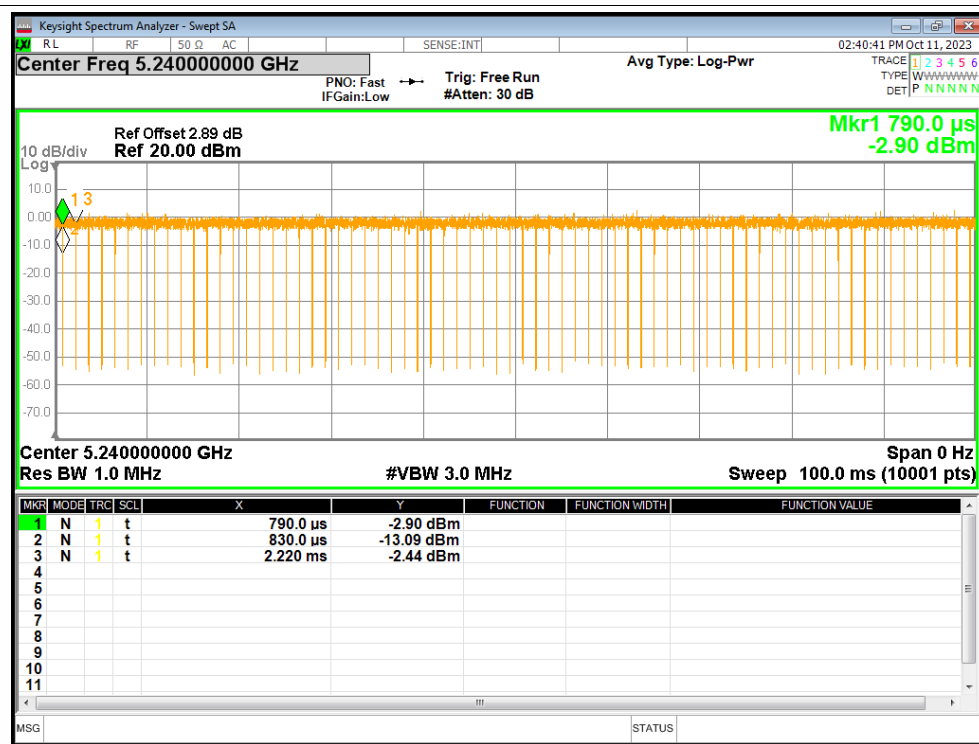
Duty Cycle NVNT n20 5180MHz Ant1



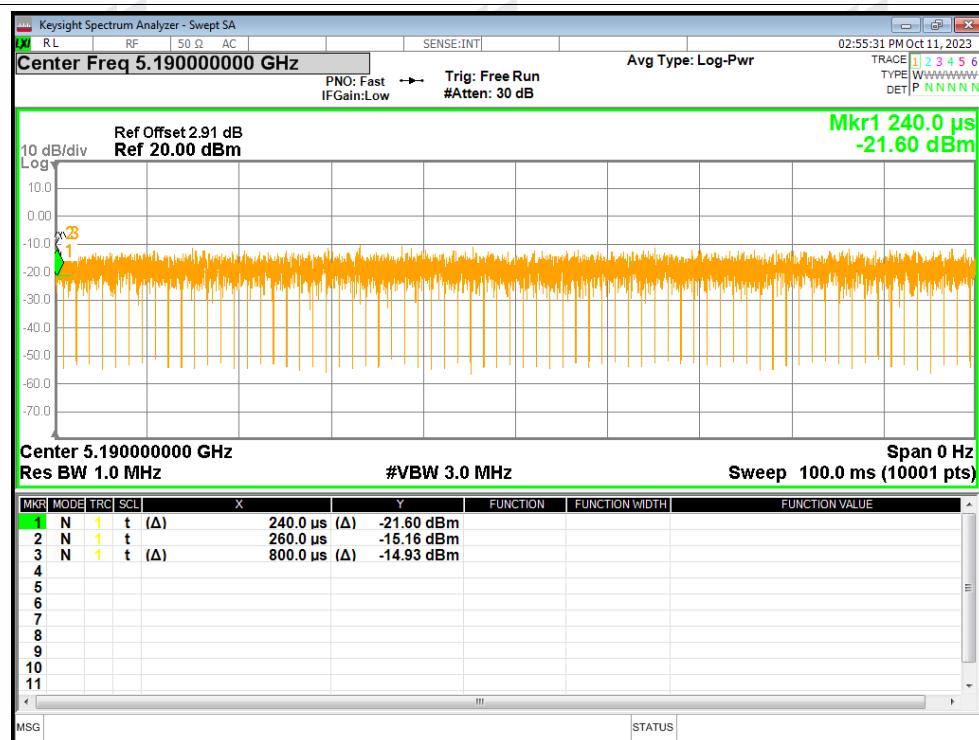
Duty Cycle NVNT n20 5200MHz Ant1



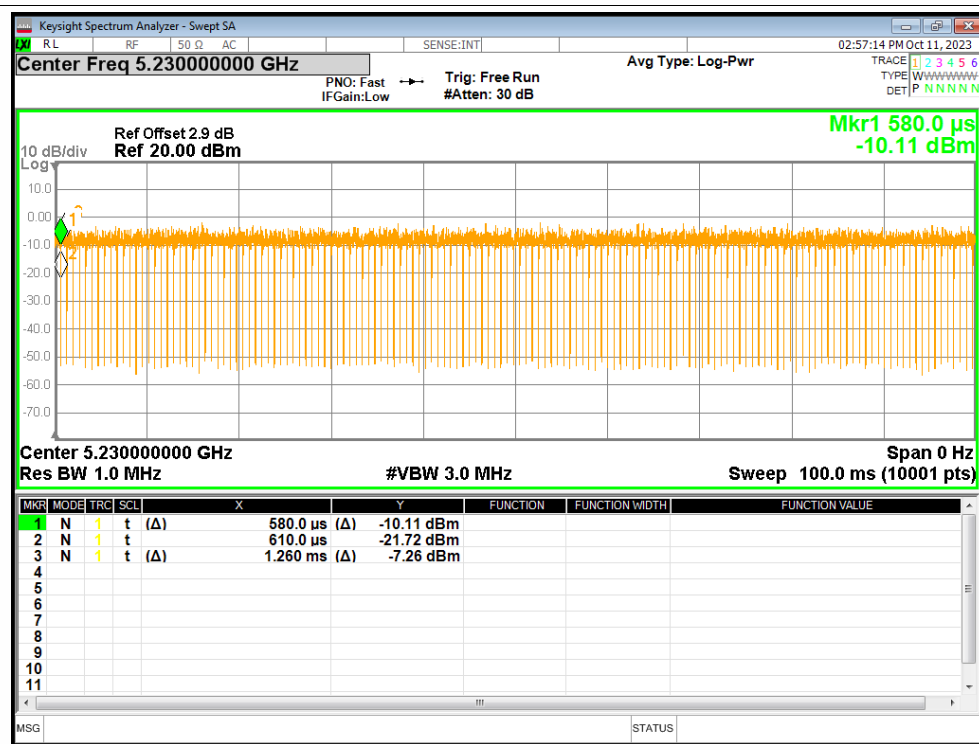
Duty Cycle NVNT n20 5240MHz Ant1

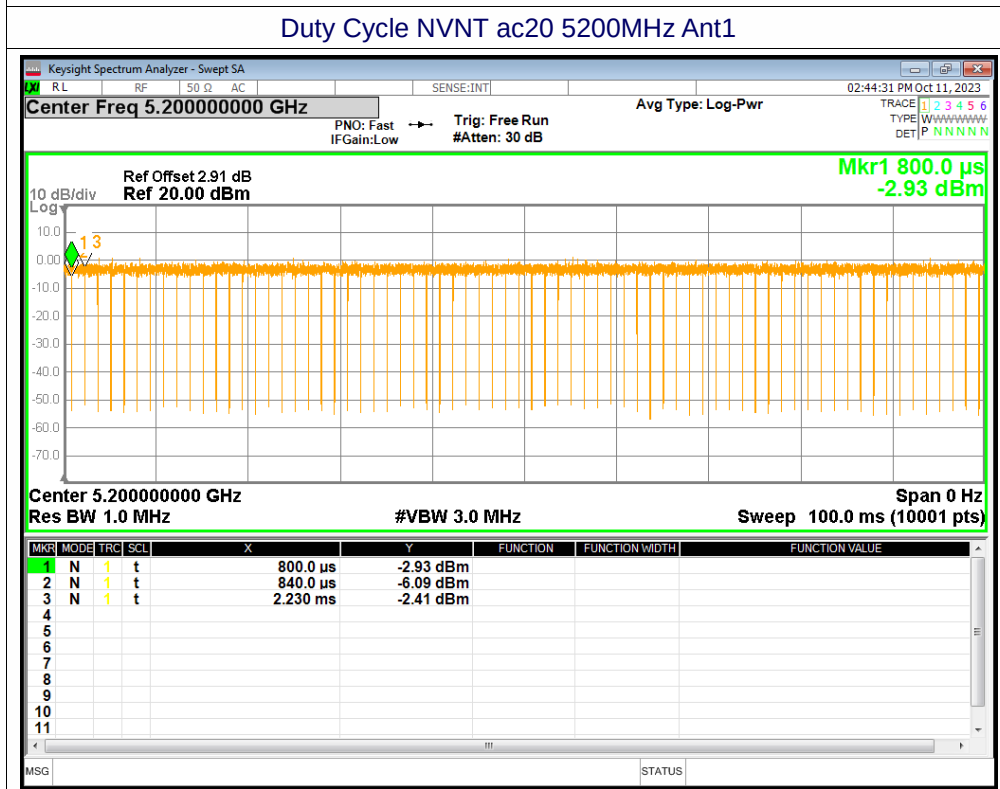
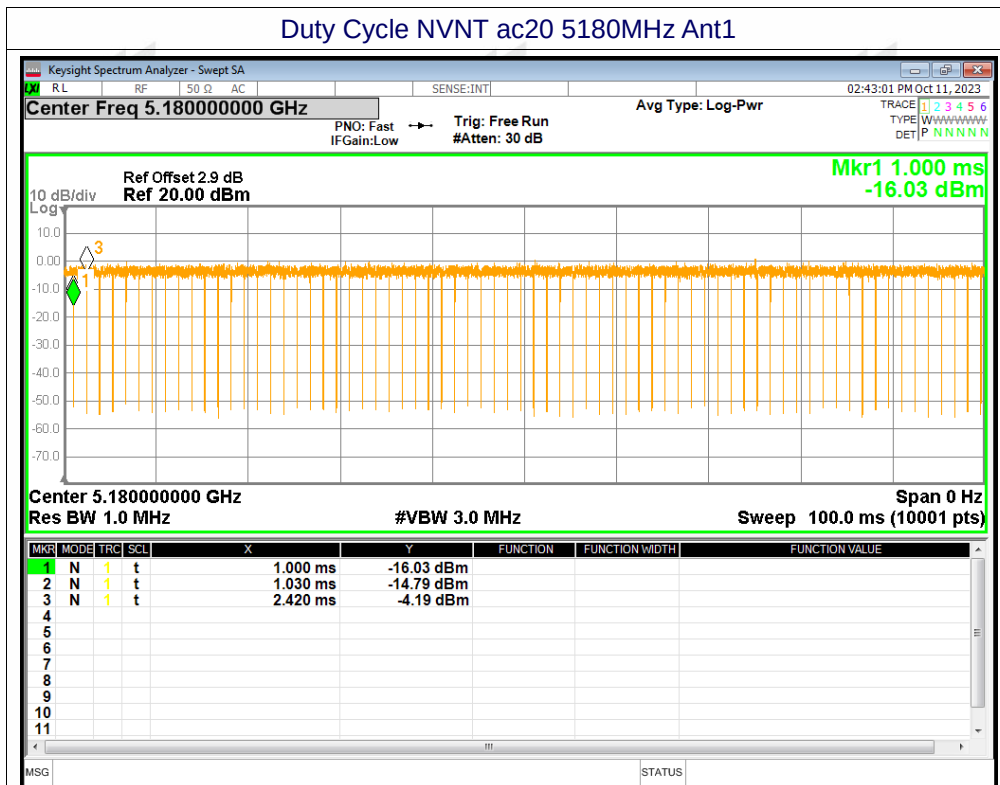


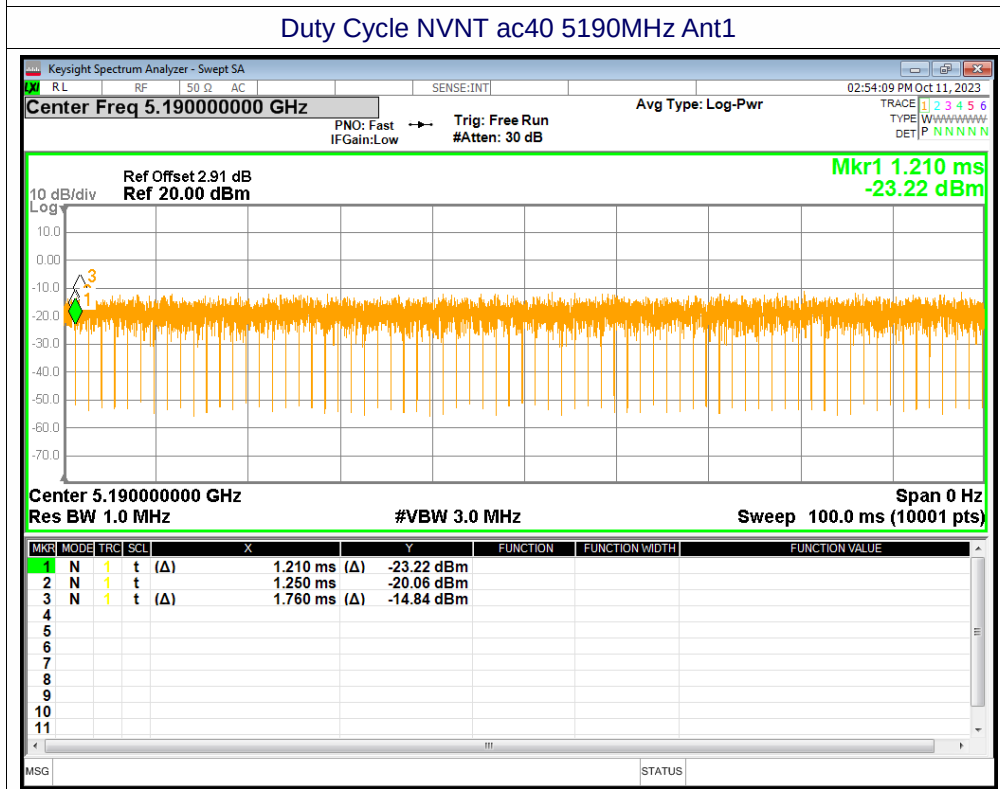
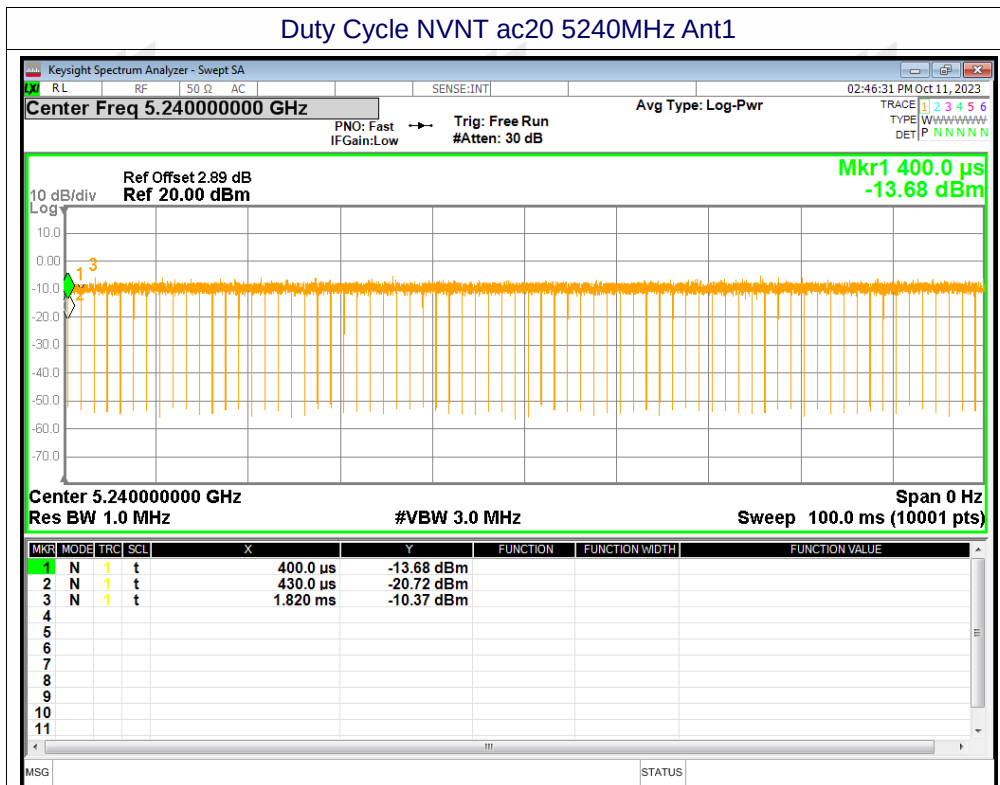
Duty Cycle NVNT n40 5190MHz Ant1



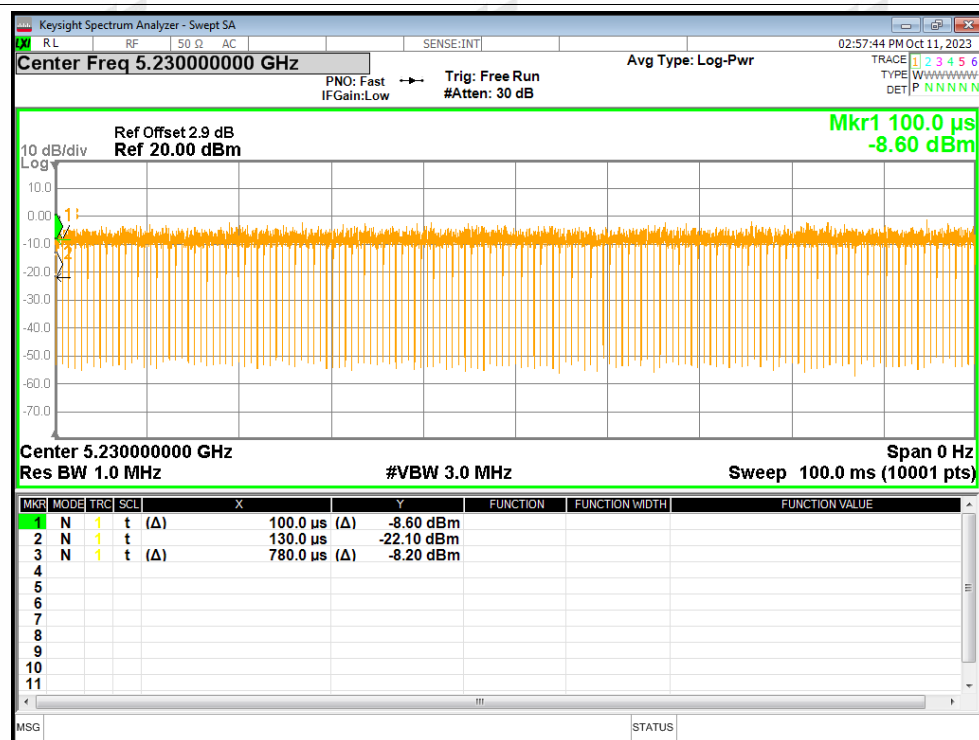
Duty Cycle NVNT n40 5230MHz Ant1



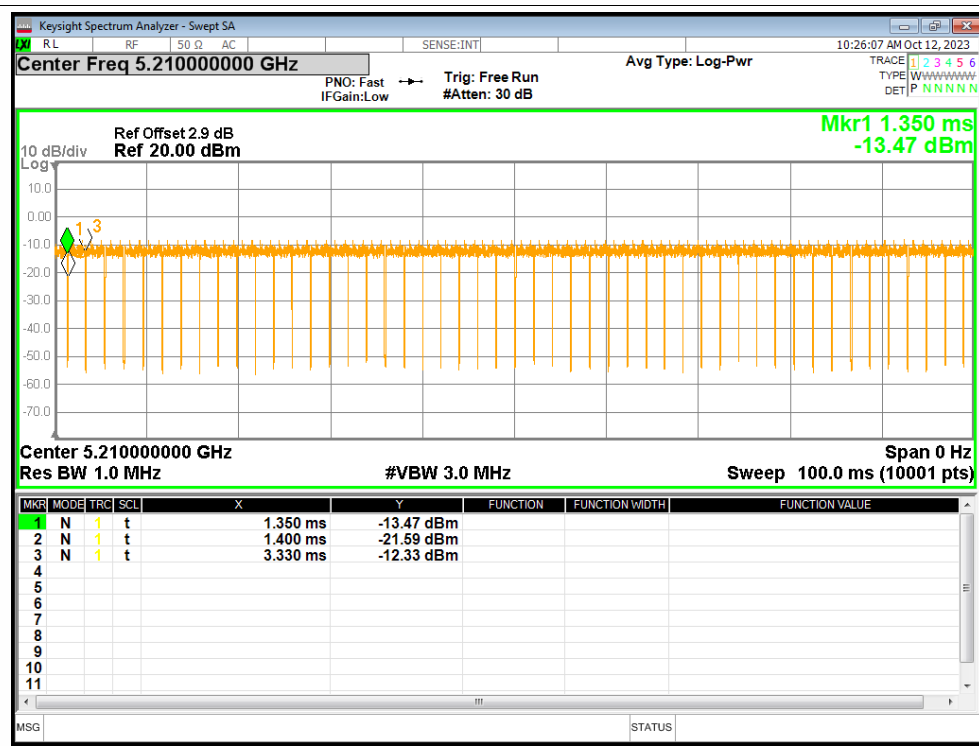


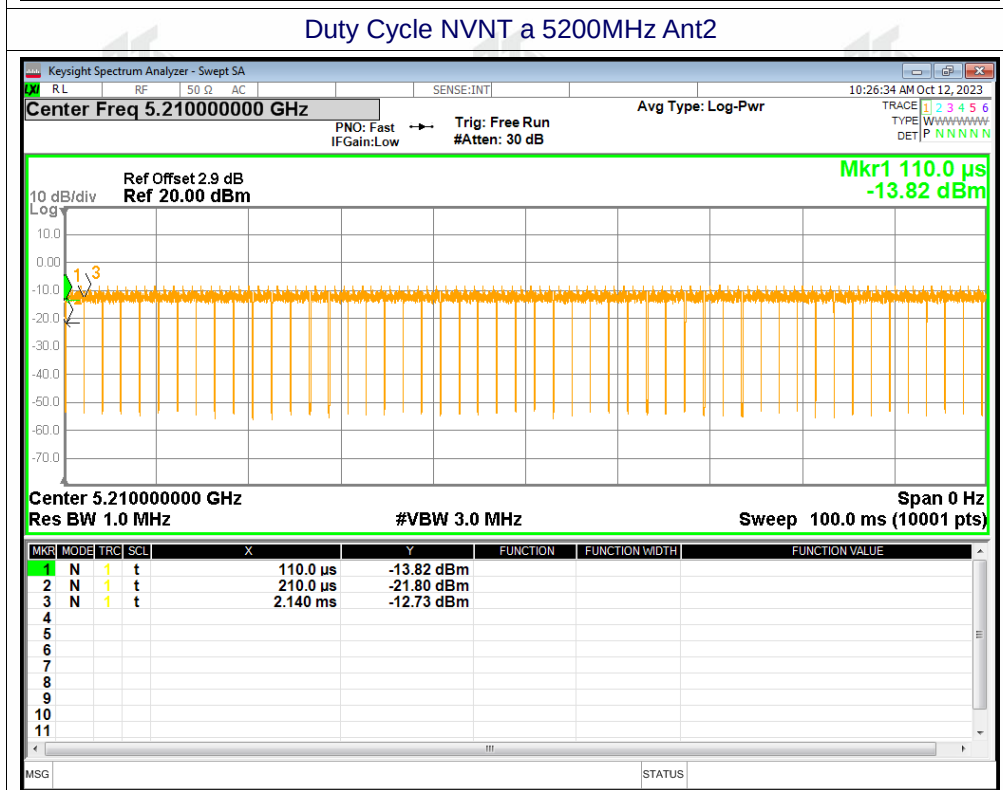
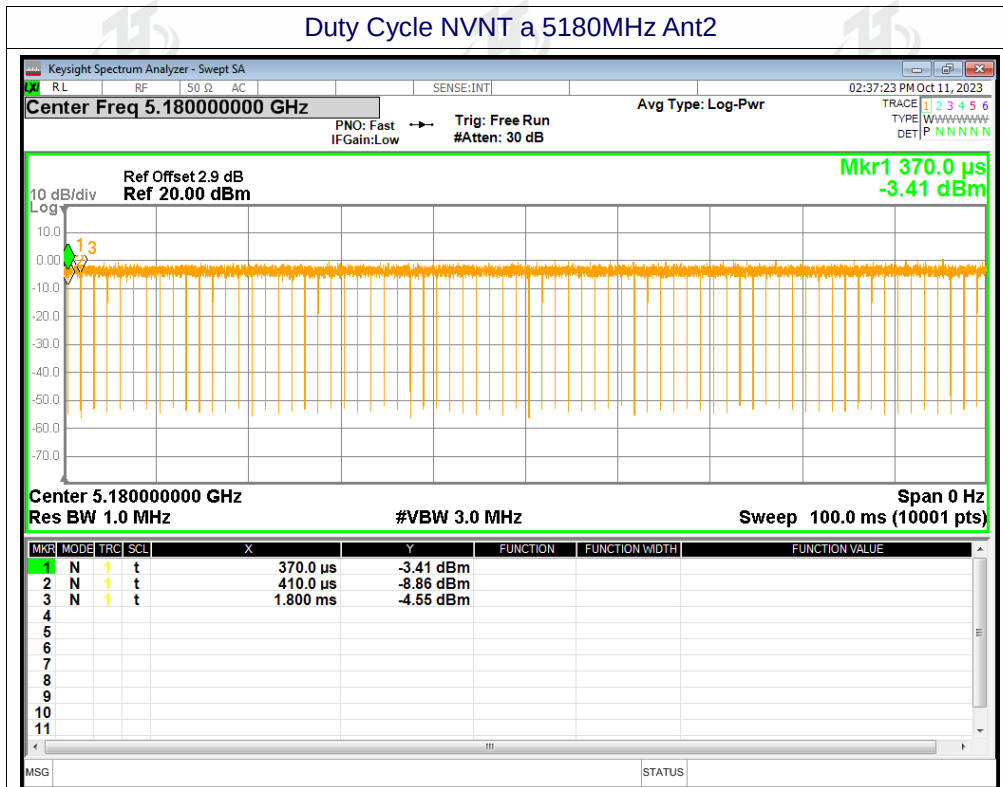


Duty Cycle NVNT ac40 5230MHz Ant1

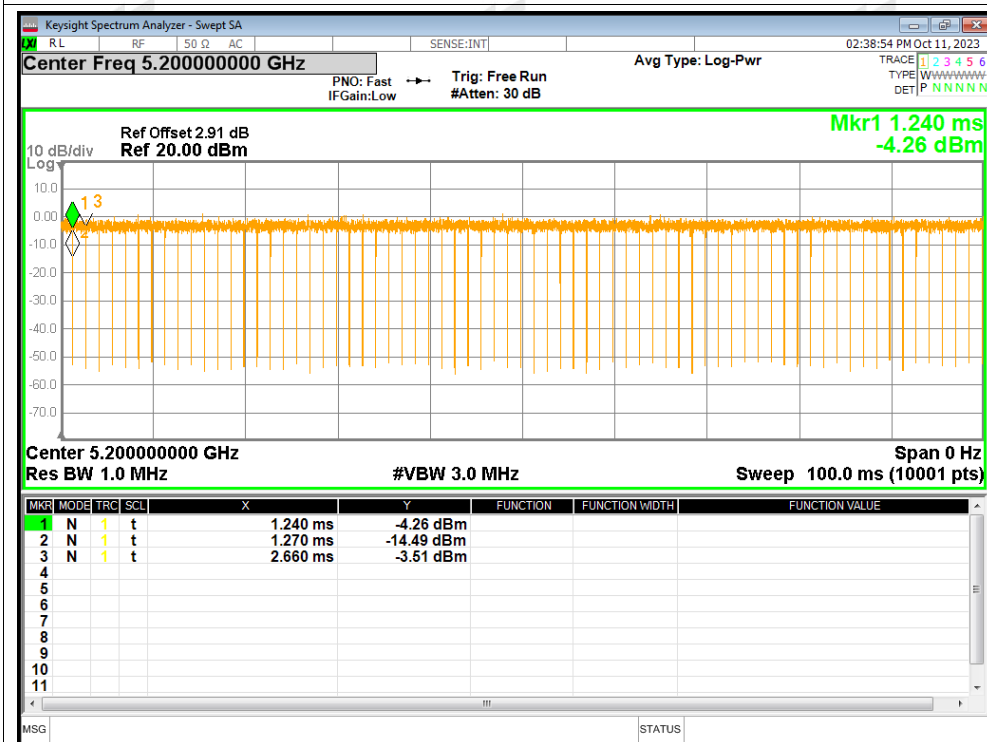


Duty Cycle NVNT ac80 5210MHz Ant1

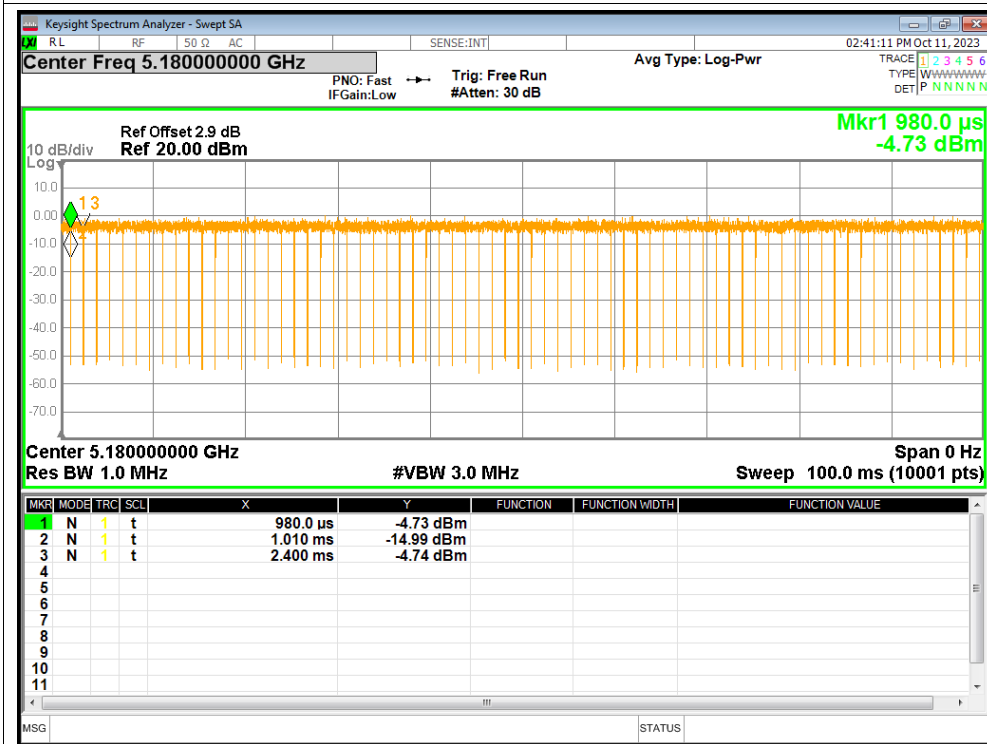




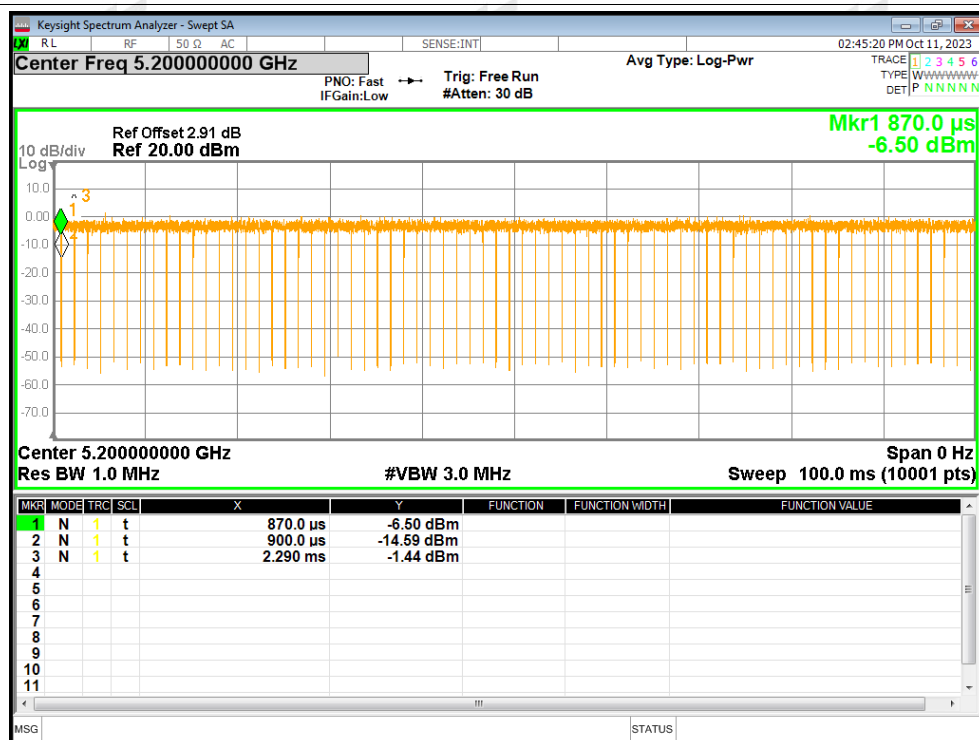
Duty Cycle NVNT a 5240MHz Ant2



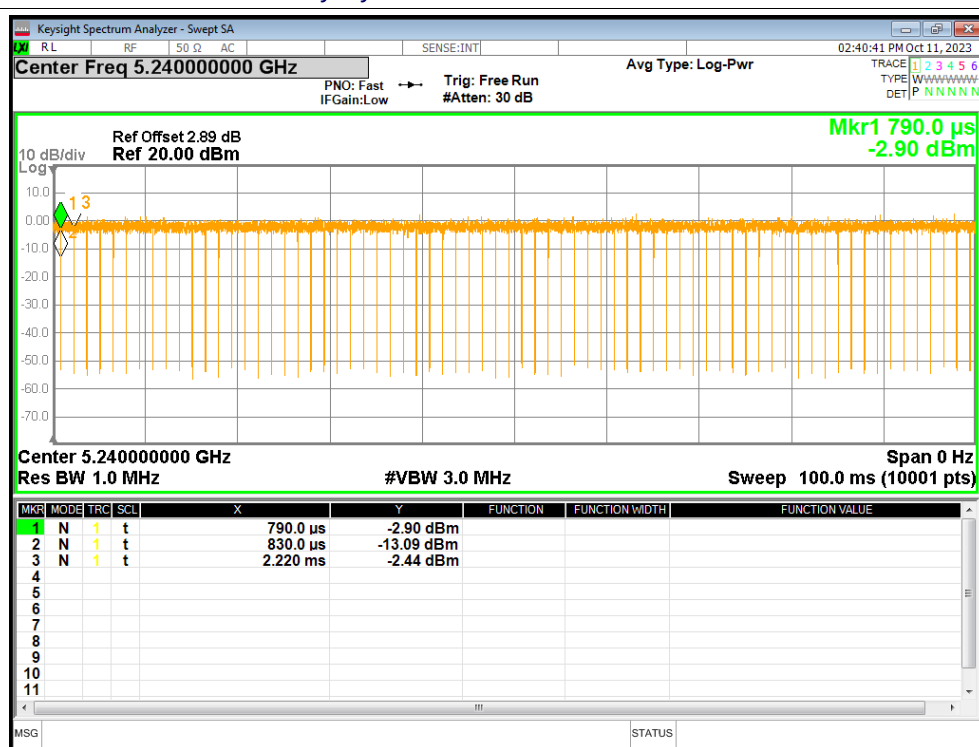
Duty Cycle NVNT n20 5180MHz Ant2



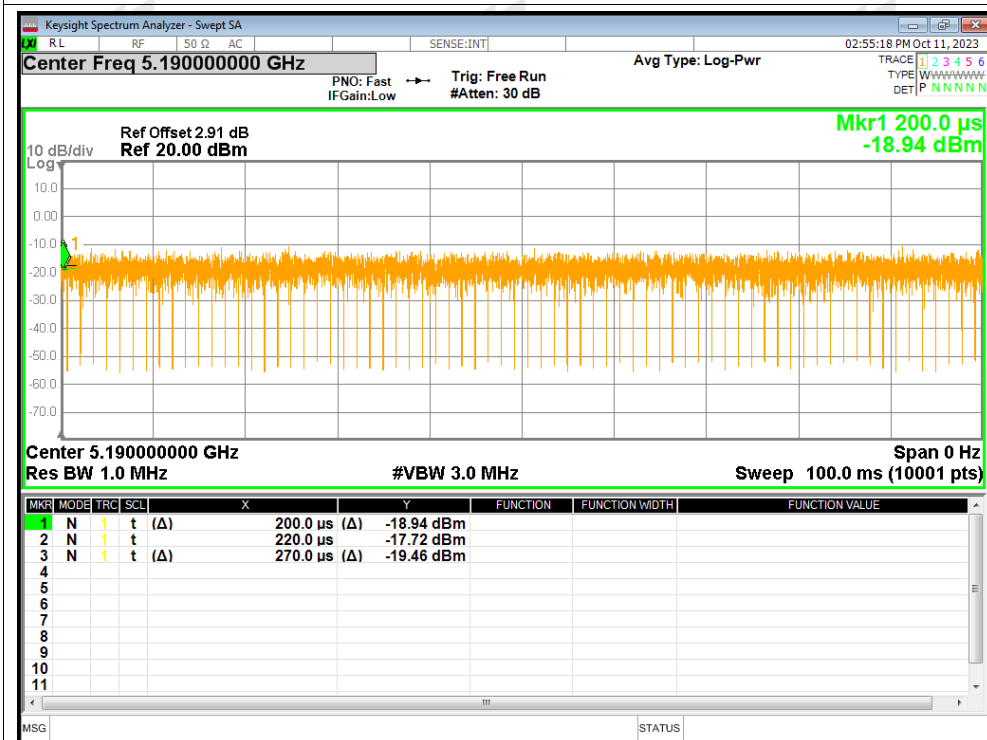
Duty Cycle NVNT n20 5200MHz Ant2



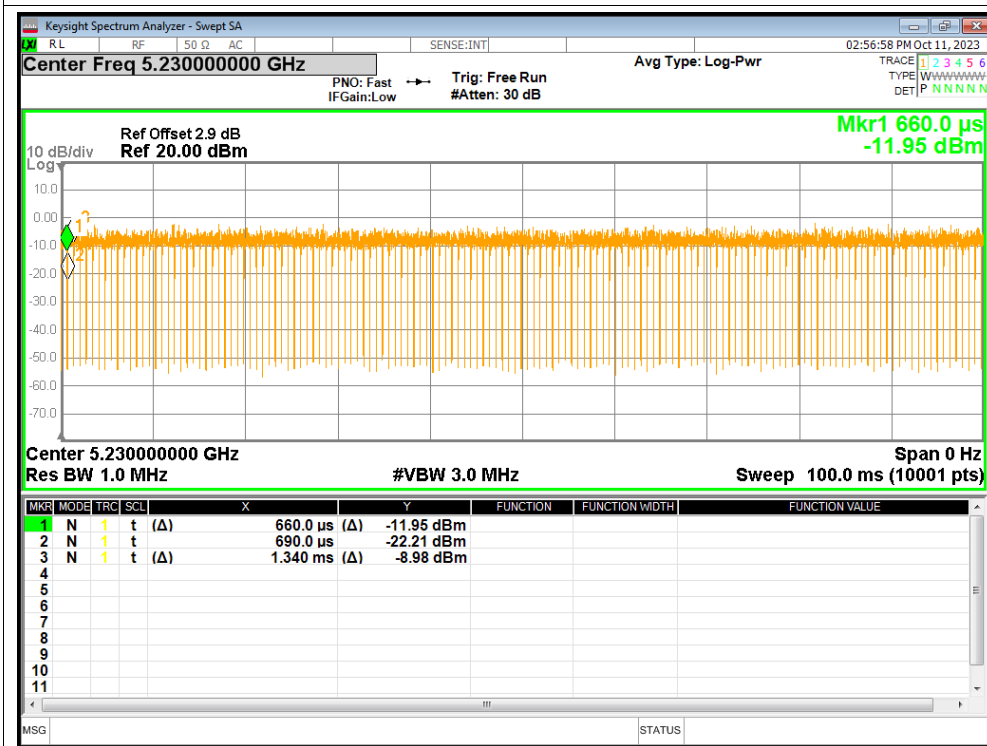
Duty Cycle NVNT n20 5240MHz Ant2

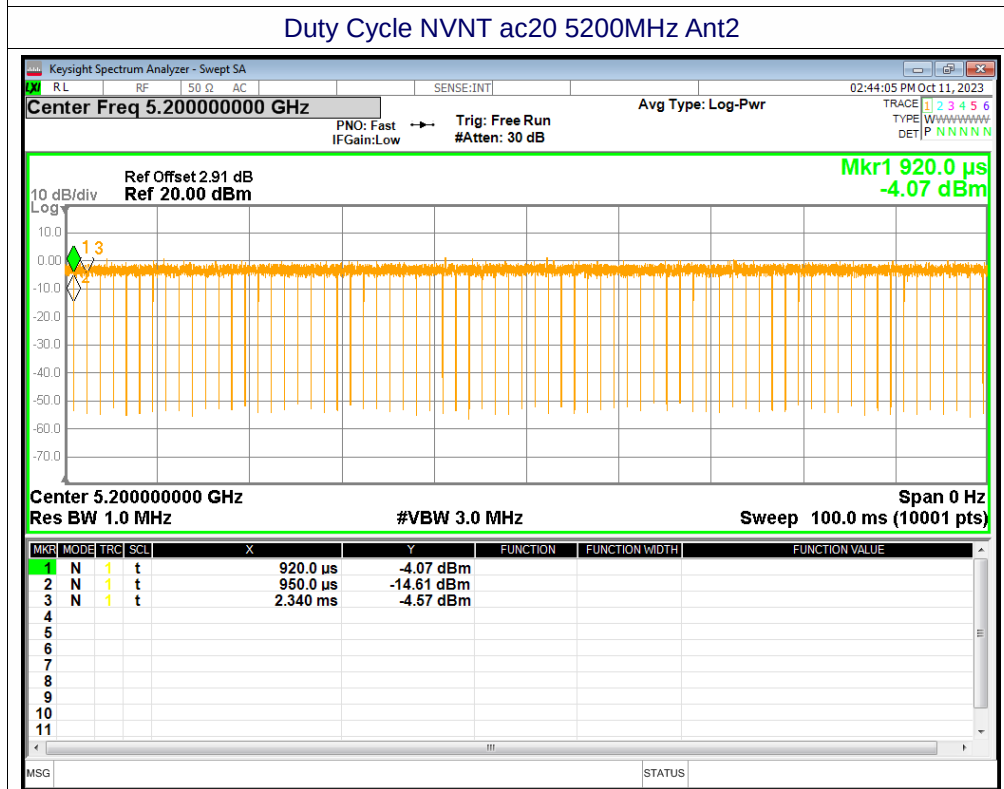
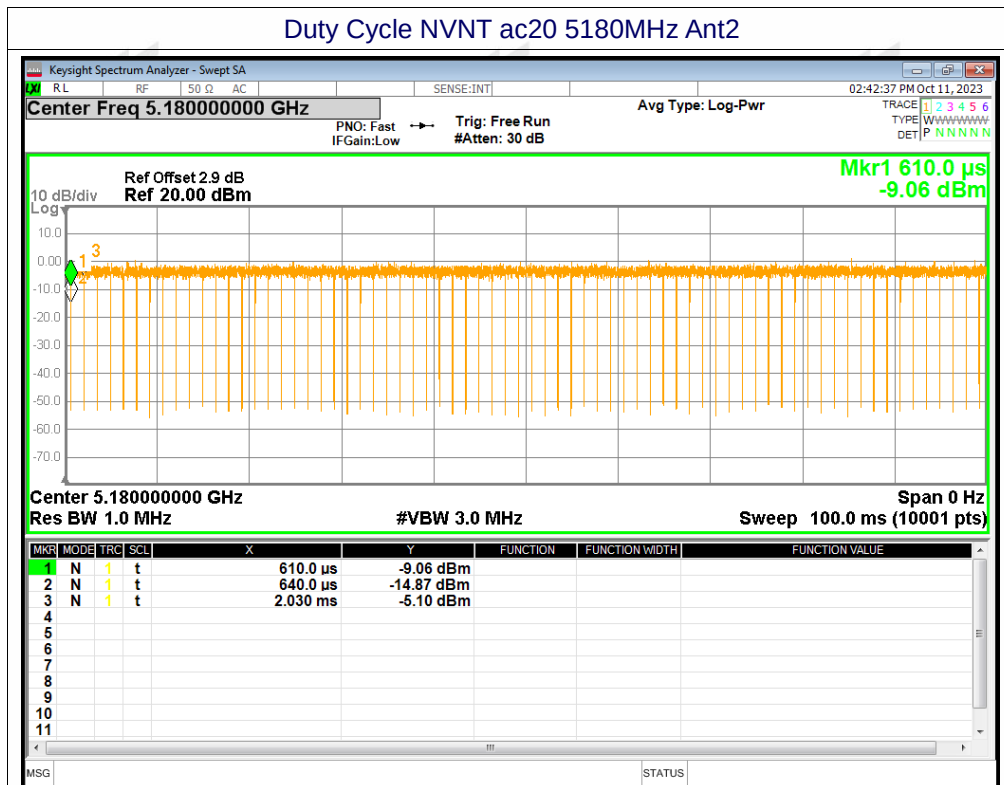


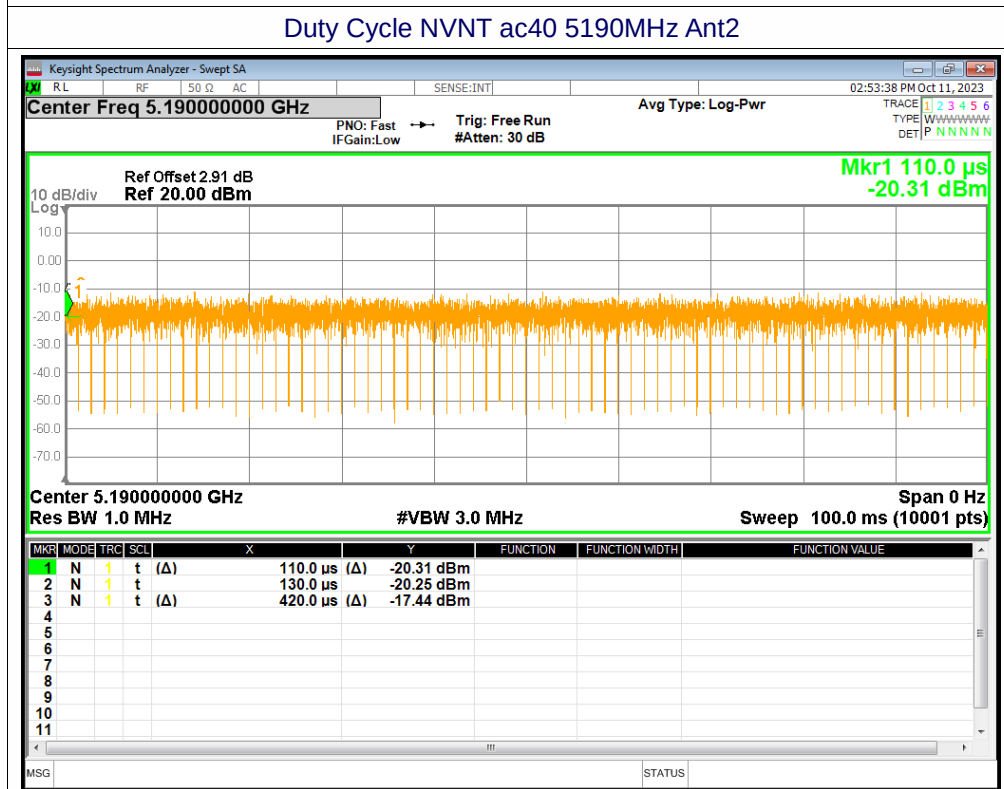
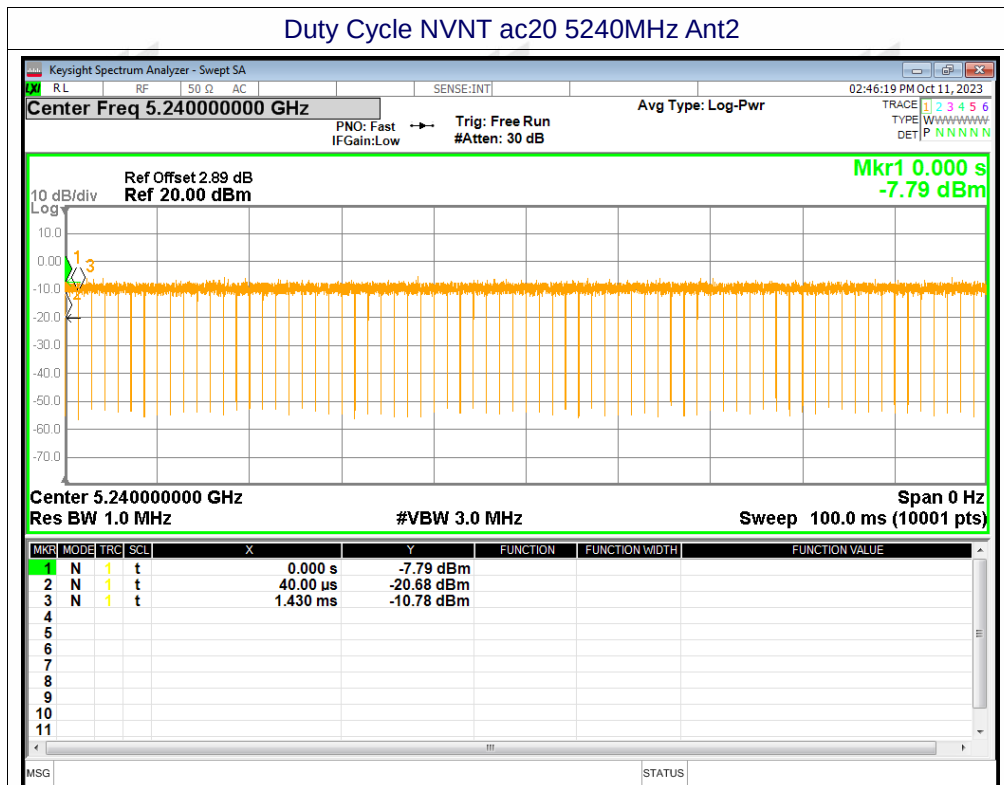
Duty Cycle NVNT n40 5190MHz Ant2

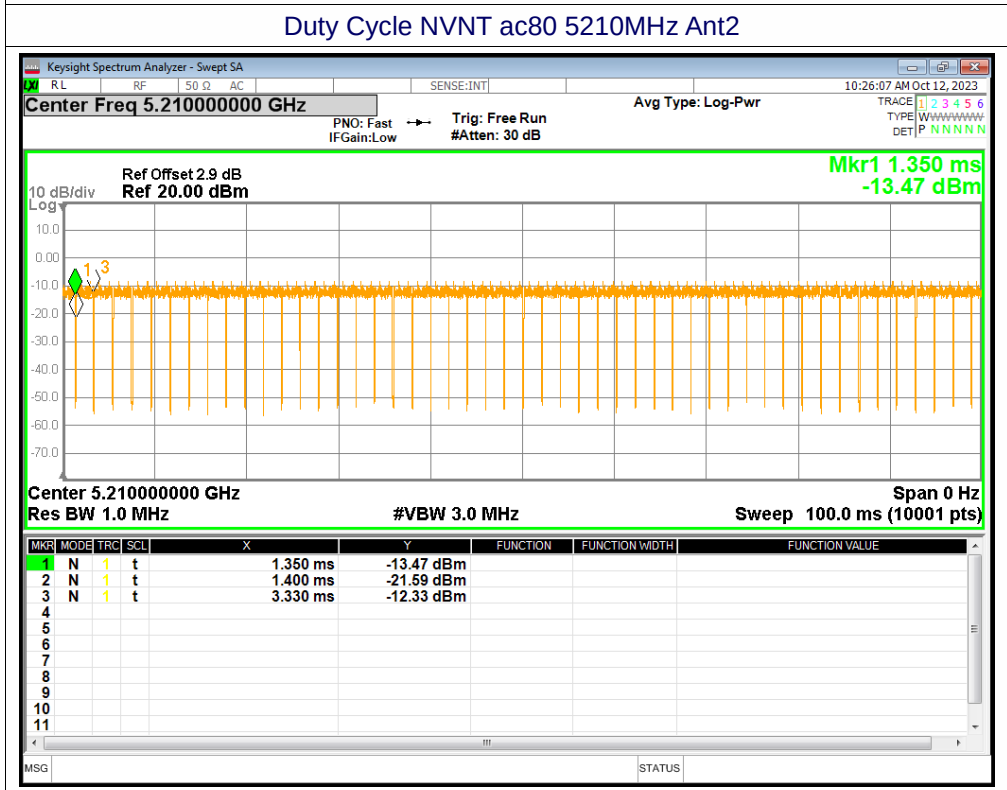
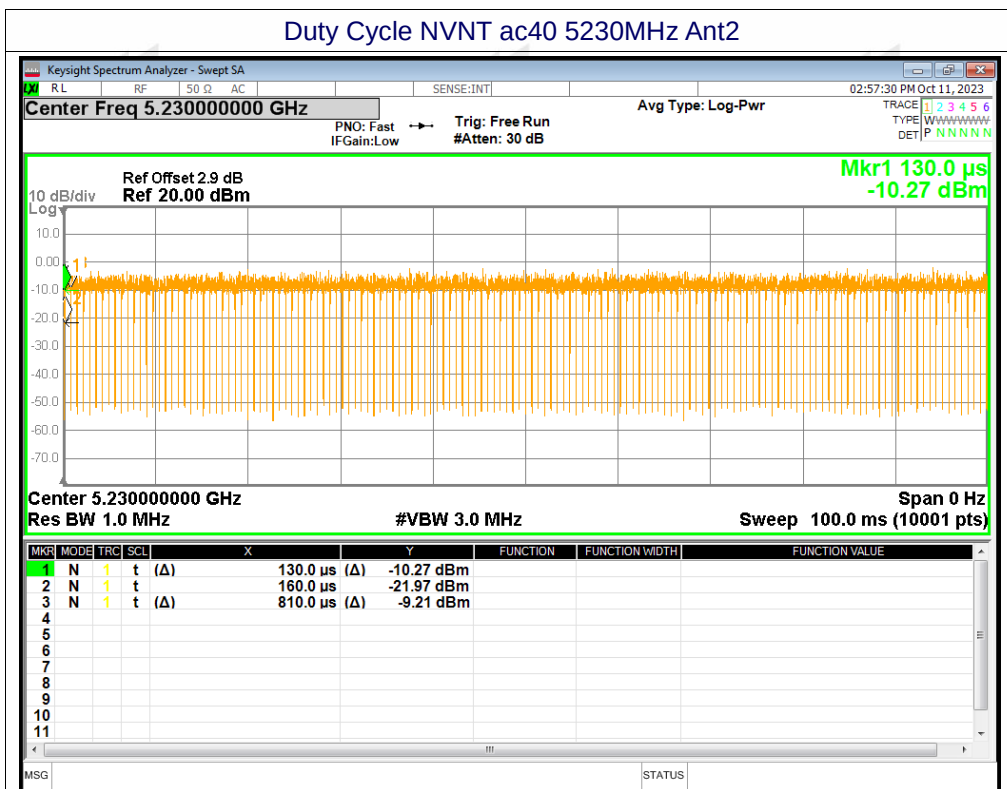


Duty Cycle NVNT n40 5230MHz Ant2



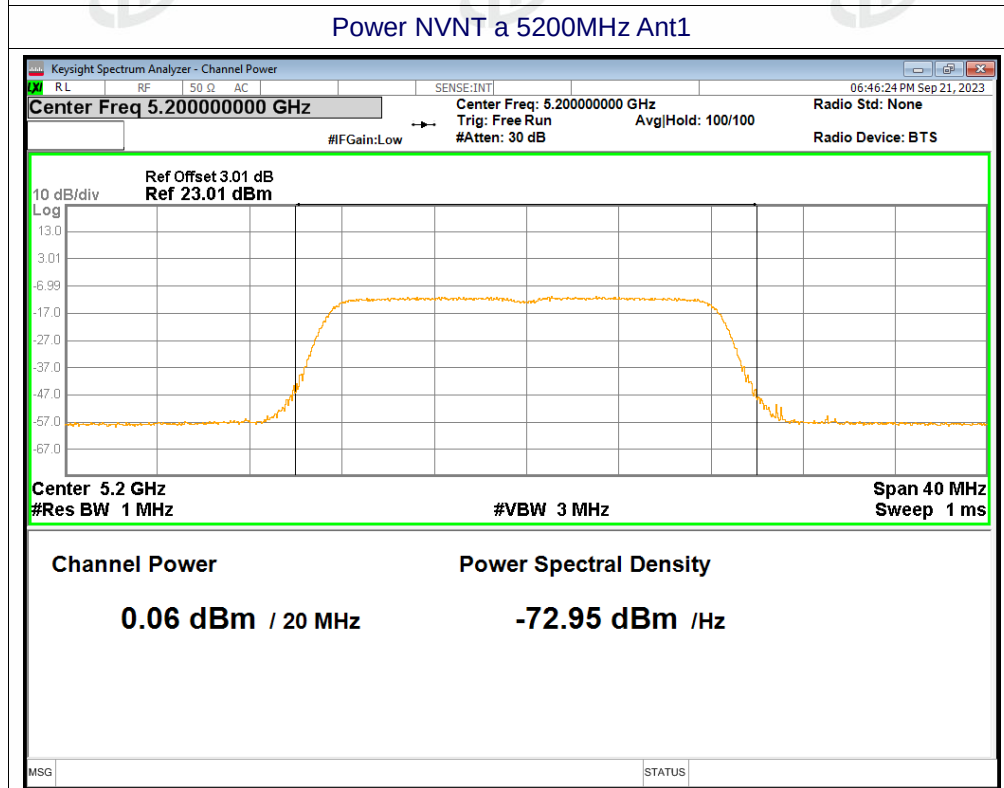
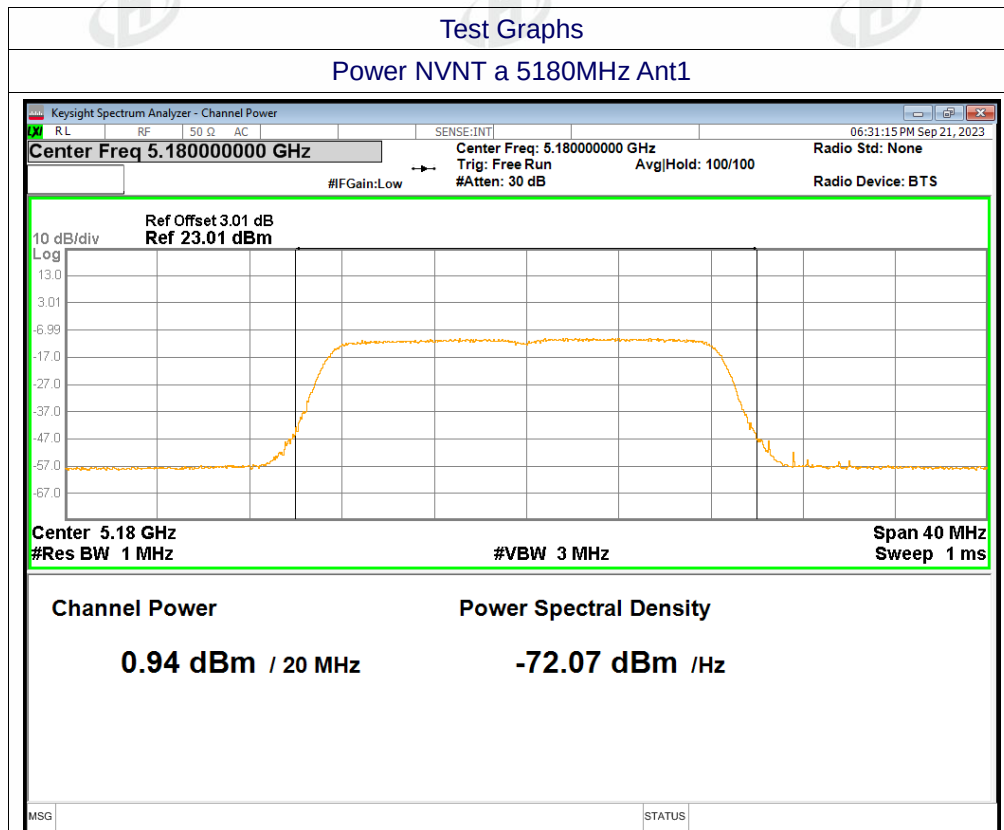




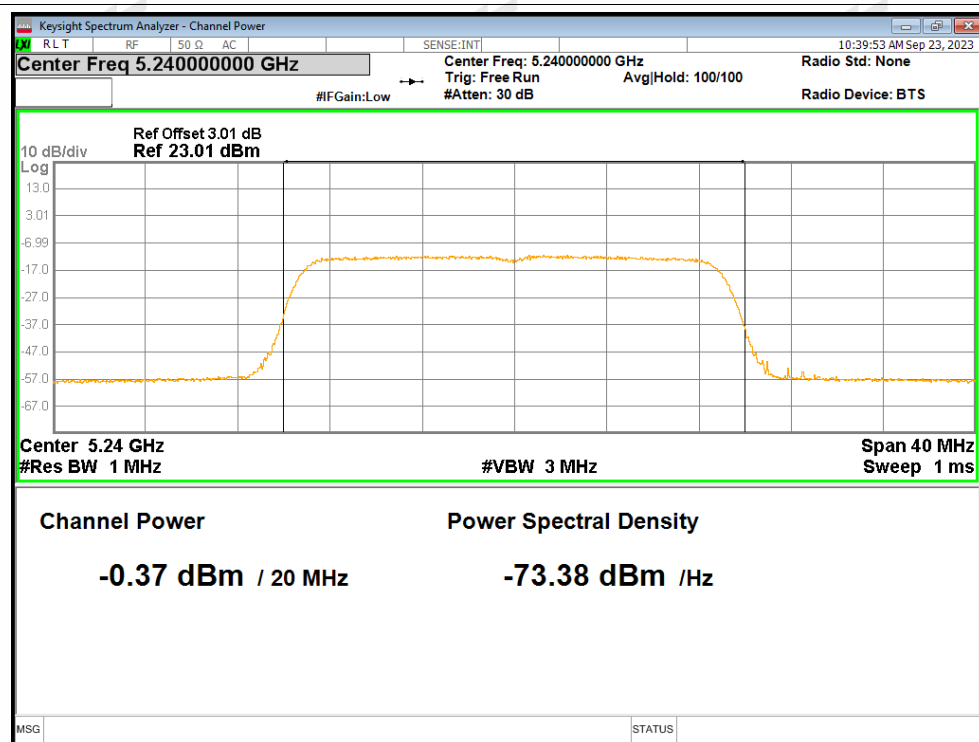


B2.Maximum Conducted Output Power

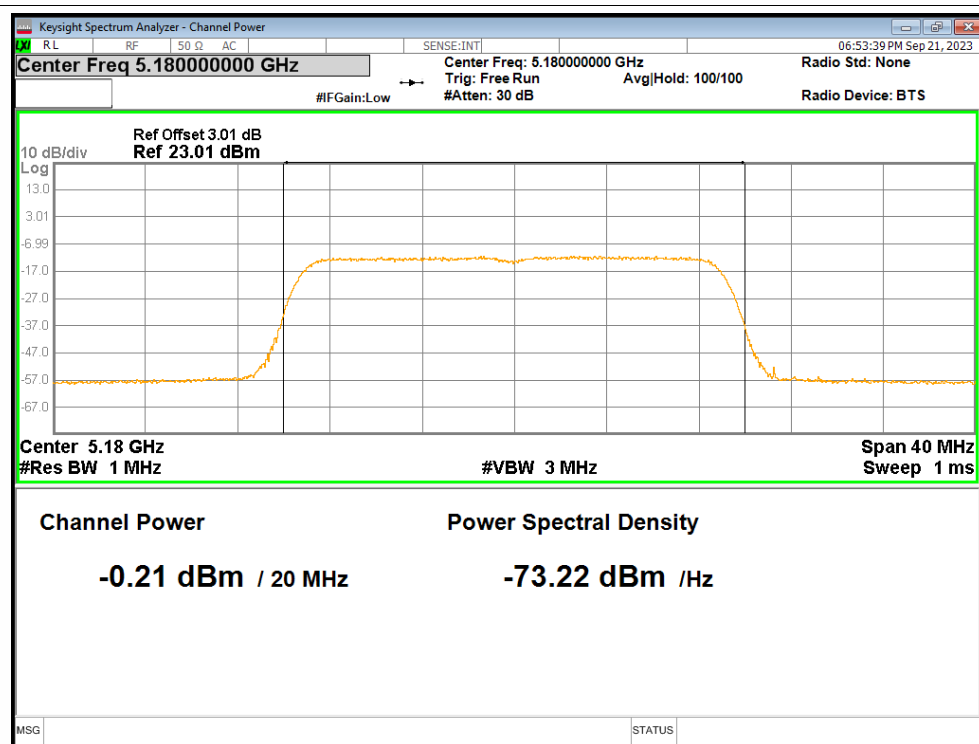
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.94	0.12	1.06	24	Pass
NVNT	a	5200	Ant1	0.06	0.09	0.15	24	Pass
NVNT	a	5240	Ant1	-0.37	0.12	-0.25	24	Pass
NVNT	n20	5180	Ant1	-0.21	0.09	-0.12	24	Pass
NVNT	n20	5200	Ant1	0.2	0.09	0.29	24	Pass
NVNT	n20	5240	Ant1	0.36	0.12	0.48	24	Pass
NVNT	n40	5190	Ant1	-0.36	0.16	-0.2	24	Pass
NVNT	n40	5230	Ant1	0	0.2	0.2	24	Pass
NVNT	ac20	5180	Ant1	-0.41	0.09	-0.32	24	Pass
NVNT	ac20	5200	Ant1	-0.15	0.12	-0.03	24	Pass
NVNT	ac20	5240	Ant1	-0.05	0.09	0.04	24	Pass
NVNT	ac40	5190	Ant1	-0.88	0.33	-0.55	24	Pass
NVNT	ac40	5230	Ant1	-0.95	0.2	-0.75	24	Pass
NVNT	ac80	5210	Ant1	-1.66	0.11	-1.55	24	Pass
NVNT	a	5180	Ant2	-0.52	0.12	-0.4	24	Pass
NVNT	a	5200	Ant2	0.21	0.12	0.33	24	Pass
NVNT	a	5240	Ant2	0.57	0.09	0.66	24	Pass
NVNT	n20	5180	Ant2	-0.45	0.09	-0.36	24	Pass
NVNT	n20	5200	Ant2	0.45	0.09	0.54	24	Pass
NVNT	n20	5240	Ant2	0.66	0.12	0.78	24	Pass
NVNT	n40	5190	Ant2	-1.48	0.16	-1.32	24	Pass
NVNT	n40	5230	Ant2	-1.07	0.2	-0.87	24	Pass
NVNT	ac20	5180	Ant2	-0.78	0.09	-0.69	24	Pass
NVNT	ac20	5200	Ant2	-0.47	0.09	-0.38	24	Pass
NVNT	ac20	5240	Ant2	-0.02	0.12	0.1	24	Pass
NVNT	ac40	5190	Ant2	-1.66	0.29	-1.37	24	Pass
NVNT	ac40	5230	Ant2	-1.38	0.2	-1.18	24	Pass
NVNT	ac80	5210	Ant2	-2.44	0.22	-2.22	24	Pass
NVNT	n20	5180	Mimo	/	/	2.77	24	Pass
NVNT	n20	5200	Mimo	/	/	3.43	24	Pass
NVNT	n20	5240	Mimo	/	/	3.64	24	Pass
NVNT	n40	5190	Mimo	/	/	2.29	24	Pass
NVNT	n40	5230	Mimo	/	/	2.71	24	Pass
NVNT	ac20	5180	Mimo	/	/	2.51	24	Pass
NVNT	ac20	5200	Mimo	/	/	2.81	24	Pass
NVNT	ac20	5240	Mimo	/	/	3.08	24	Pass
NVNT	ac40	5190	Mimo	/	/	2.07	24	Pass
NVNT	ac40	5230	Mimo	/	/	2.05	24	Pass
NVNT	ac80	5210	Mimo	/	/	1.14	24	Pass



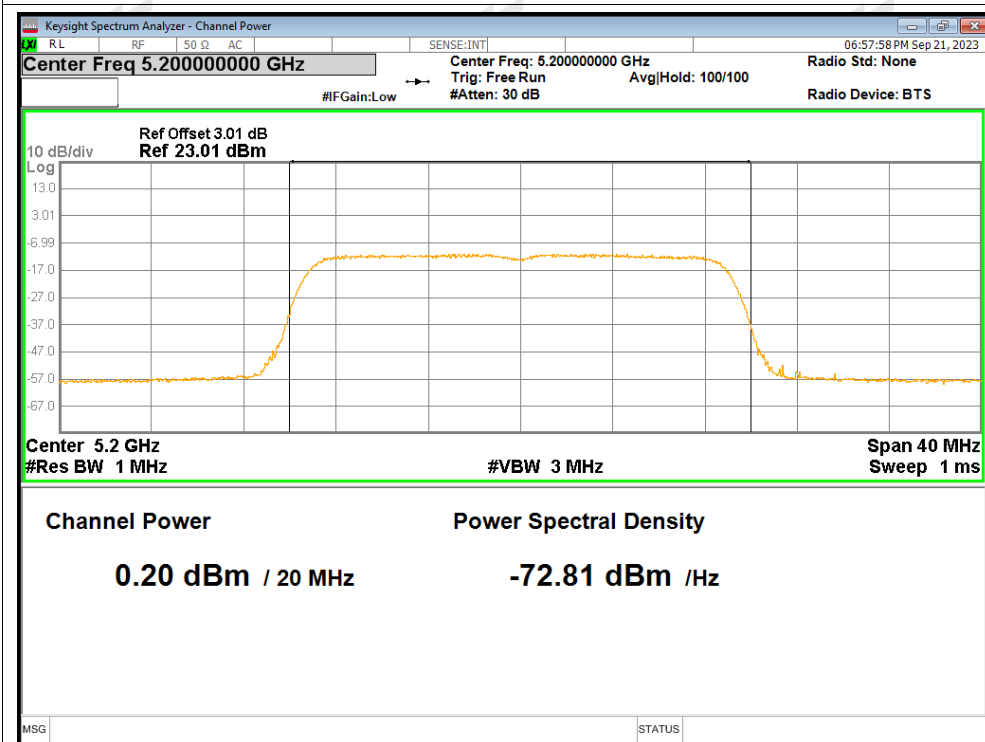
Power NVNT a 5240MHz Ant1



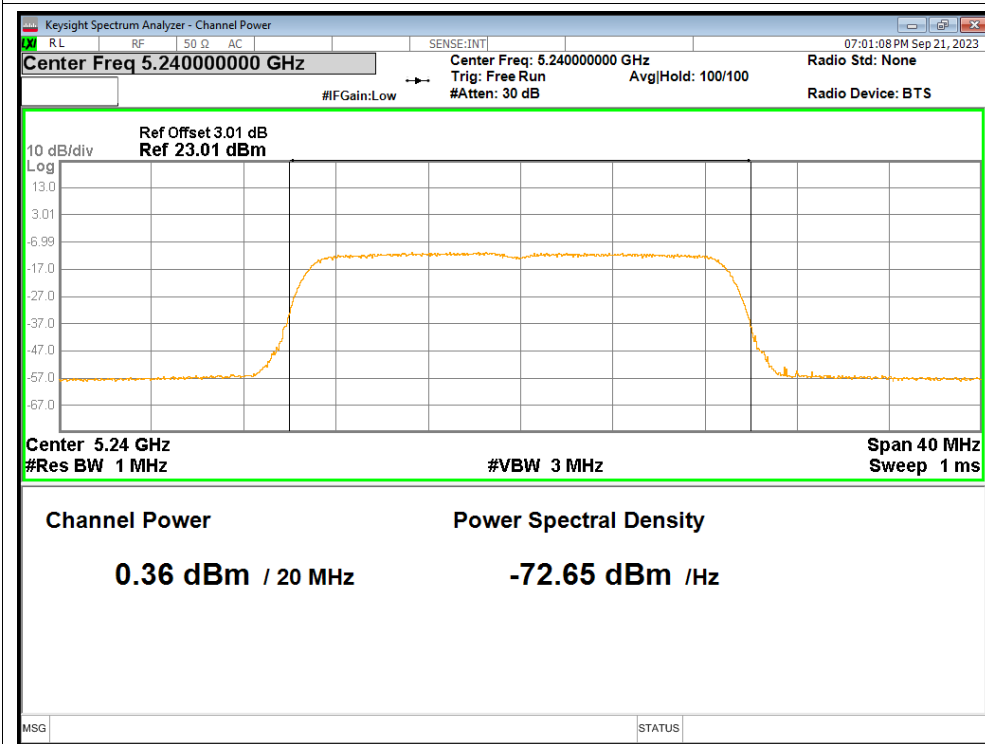
Power NVNT n20 5180MHz Ant1



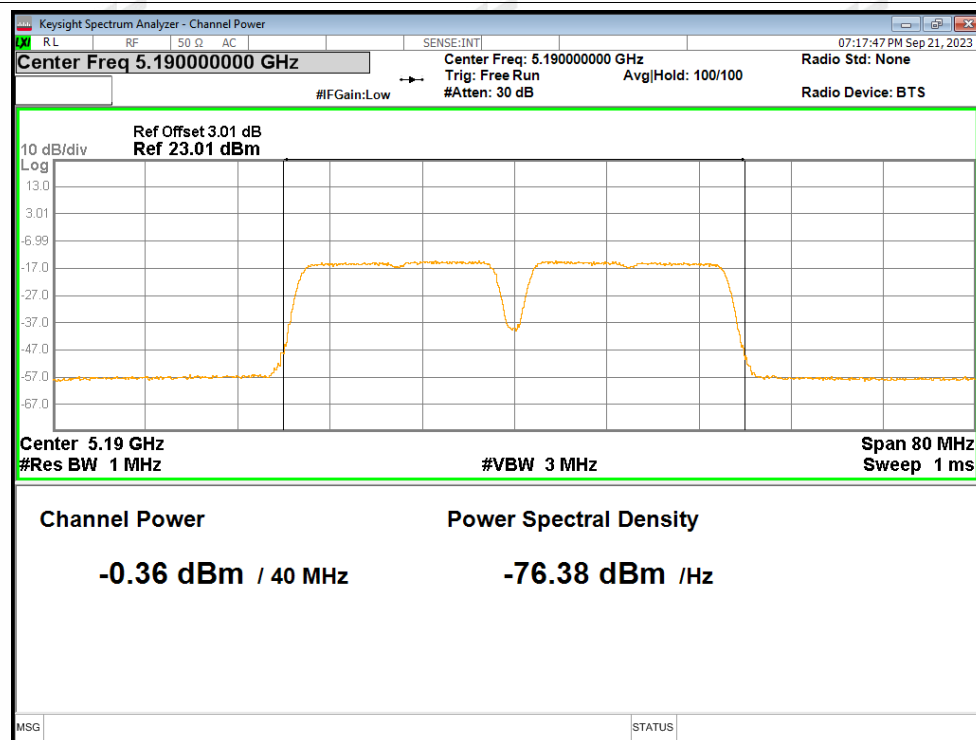
Power NVNT n20 5200MHz Ant1



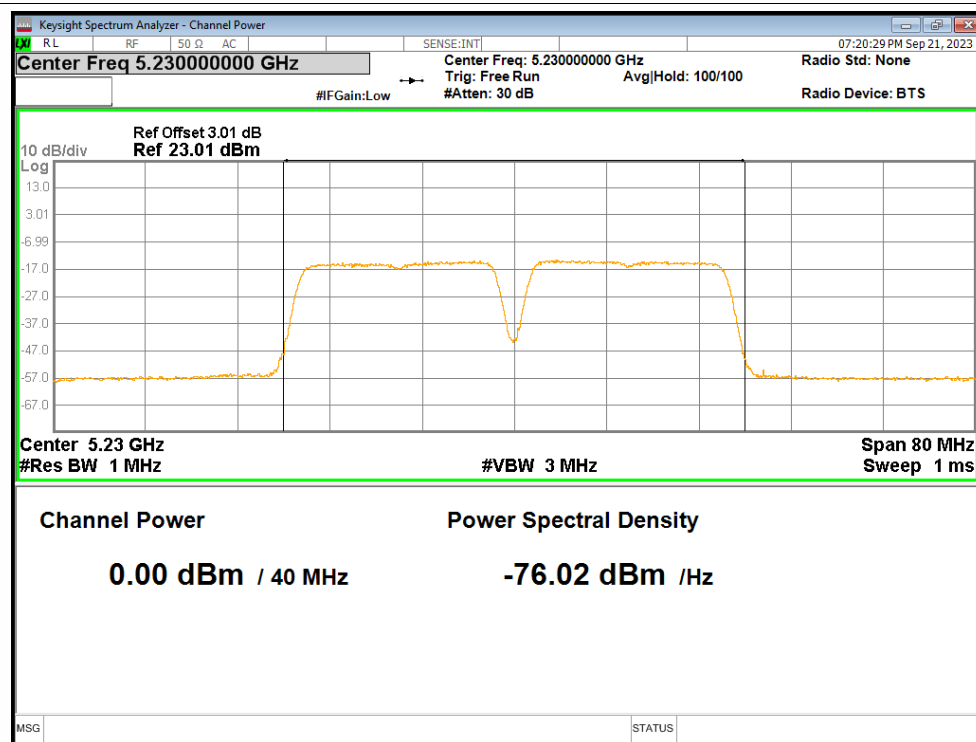
Power NVNT n20 5240MHz Ant1



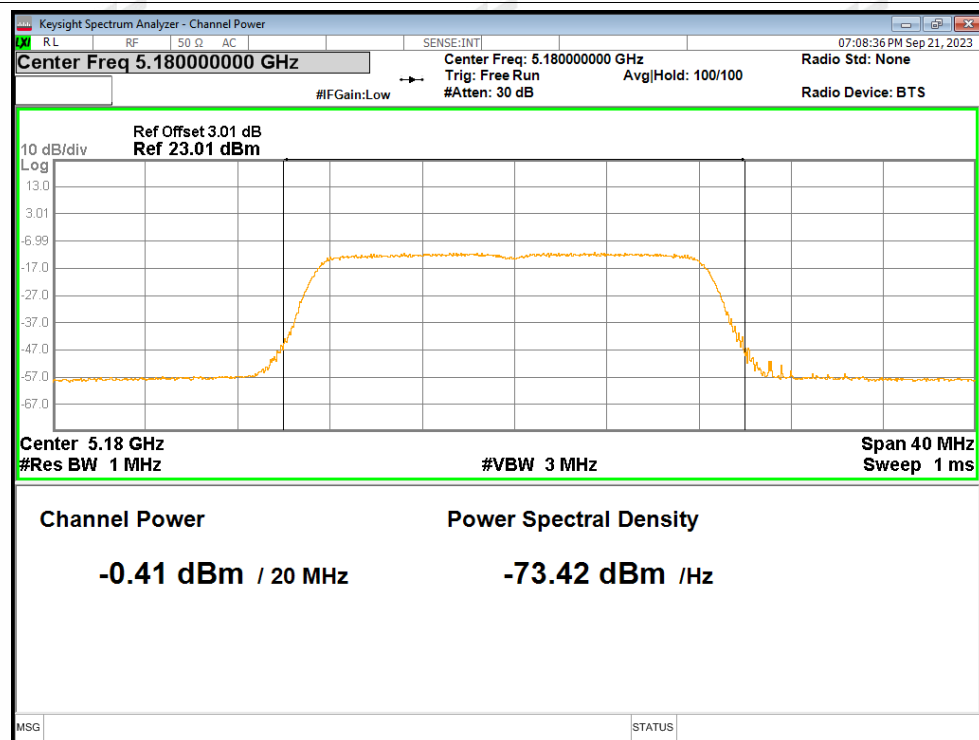
Power NVNT n40 5190MHz Ant1



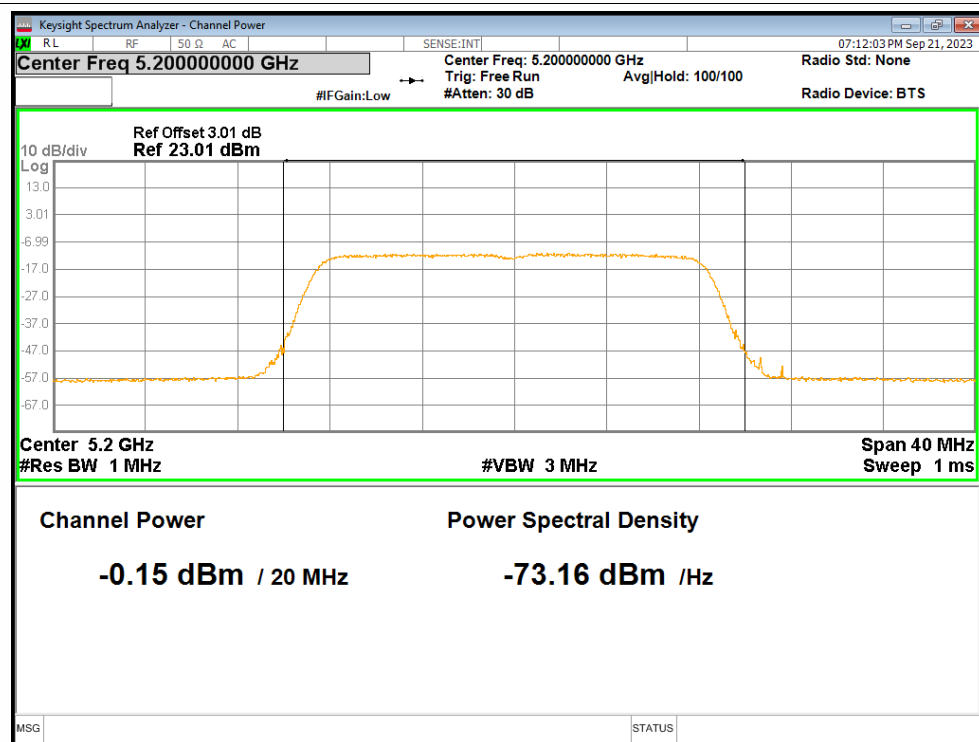
Power NVNT n40 5230MHz Ant1



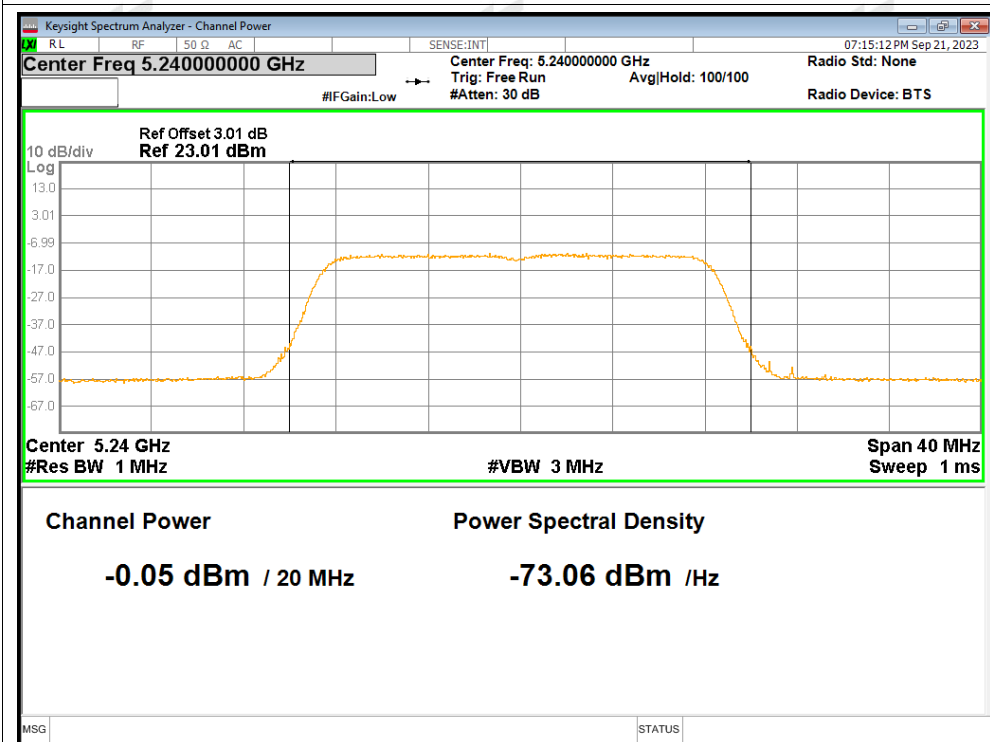
Power NVNT ac20 5180MHz Ant1



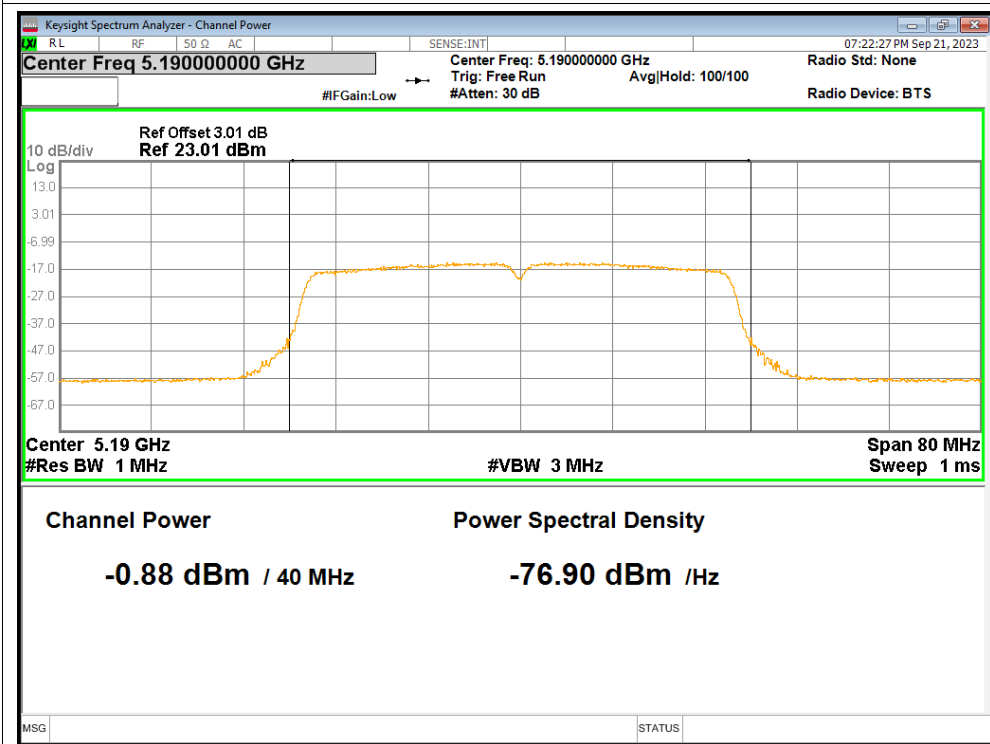
Power NVNT ac20 5200MHz Ant1



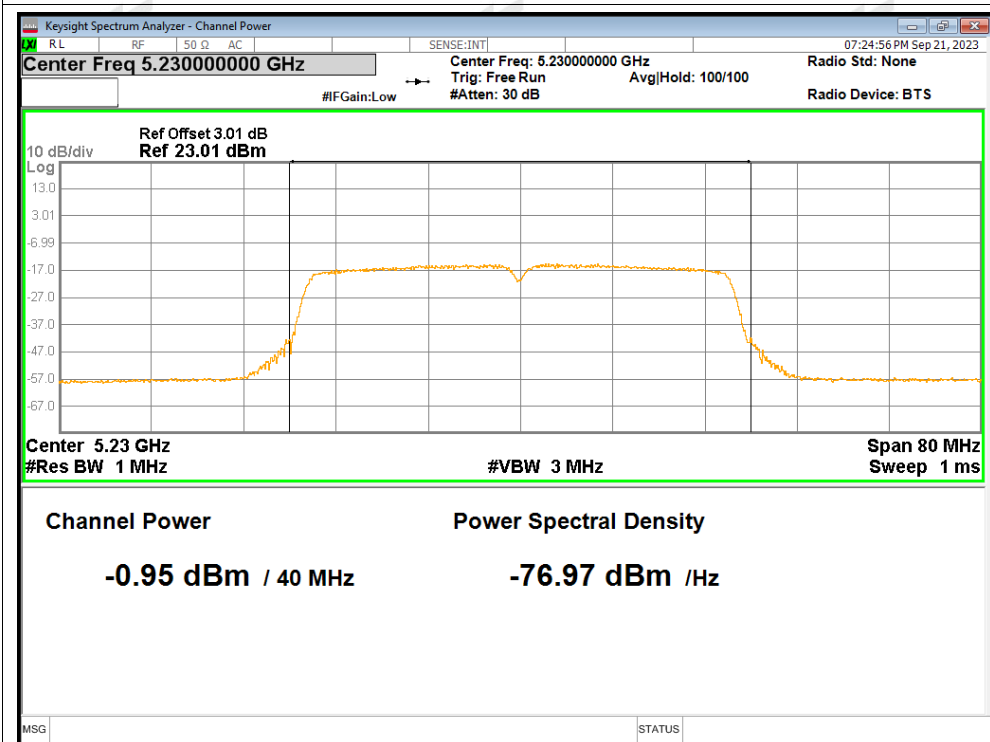
Power NVNT ac20 5240MHz Ant1



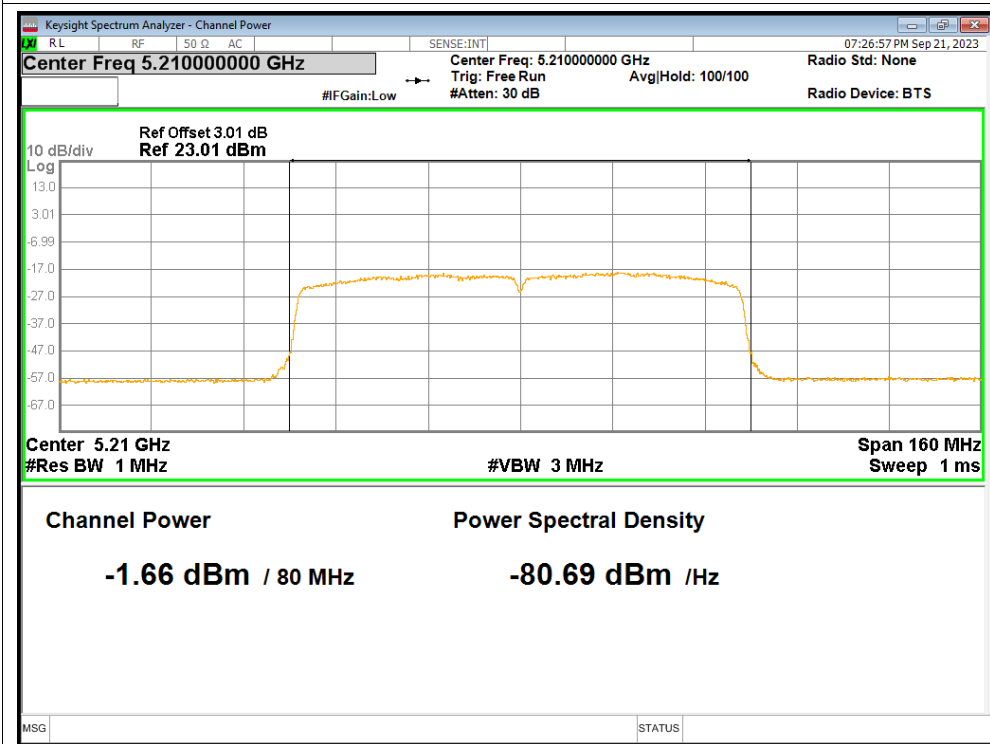
Power NVNT ac40 5190MHz Ant1

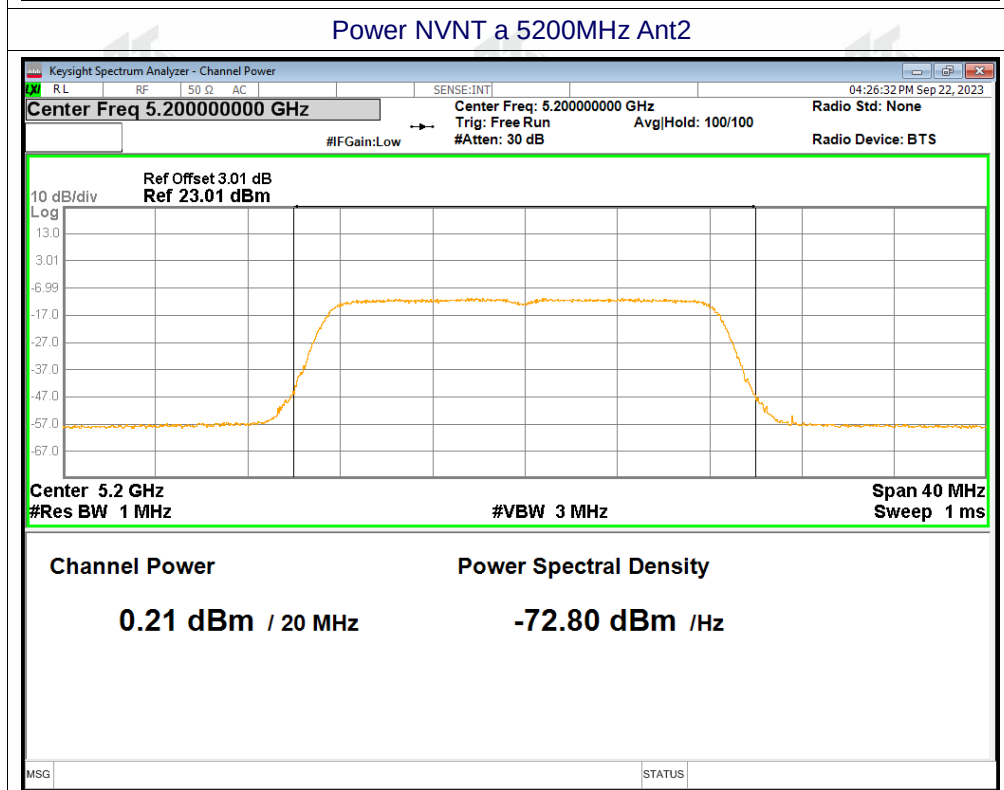
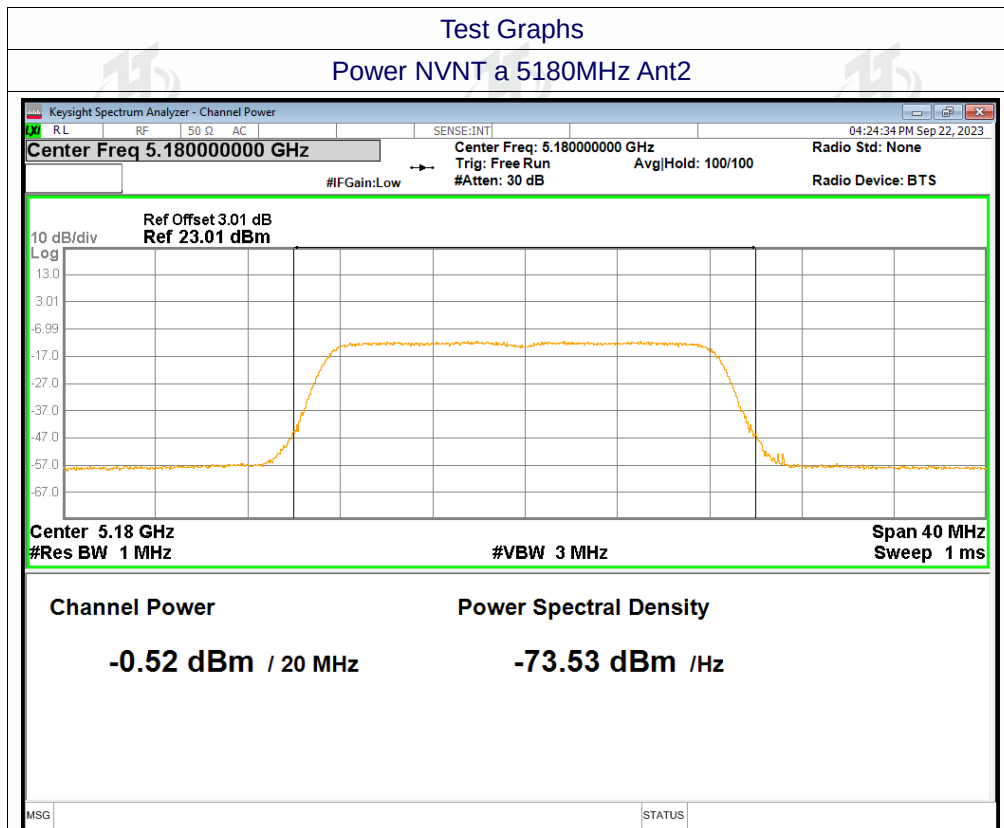


Power NVNT ac40 5230MHz Ant1

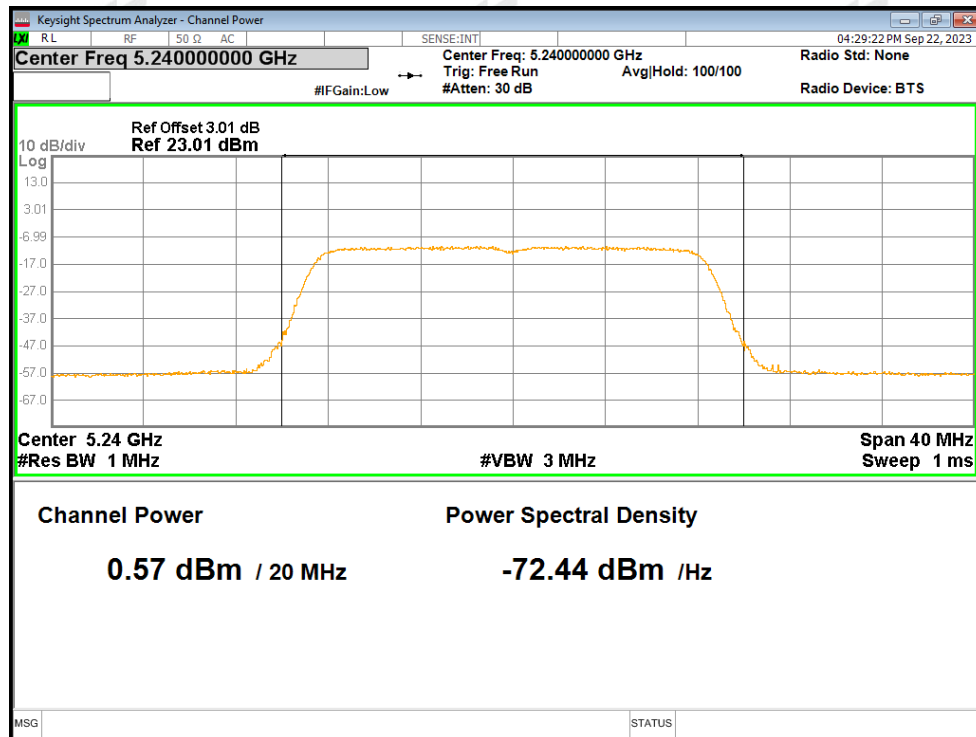


Power NVNT ac80 5210MHz Ant1

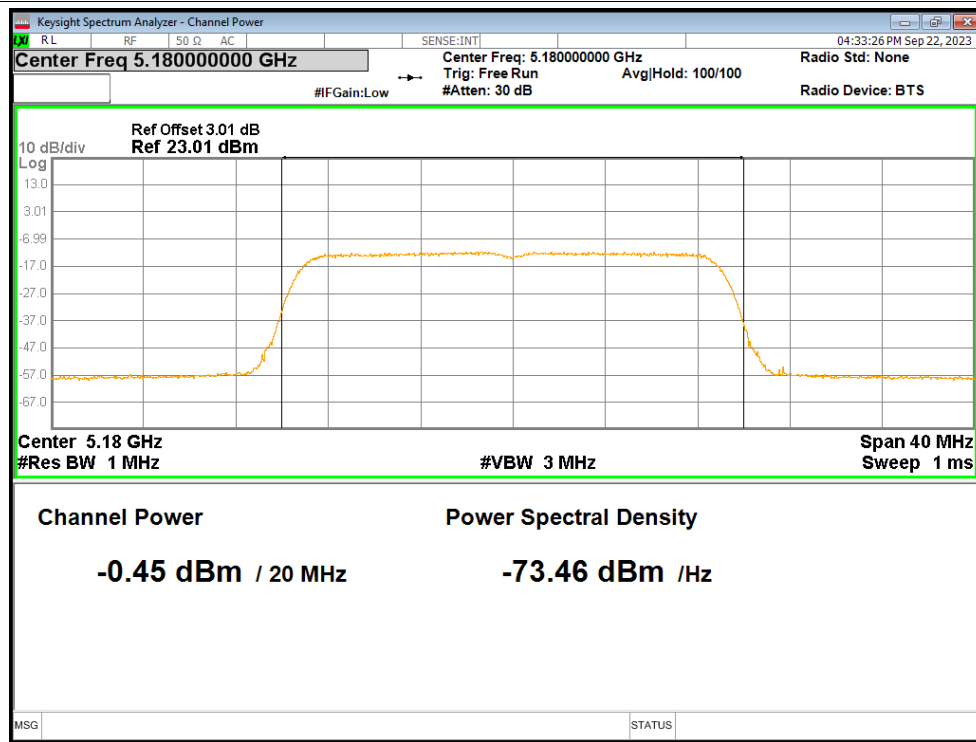




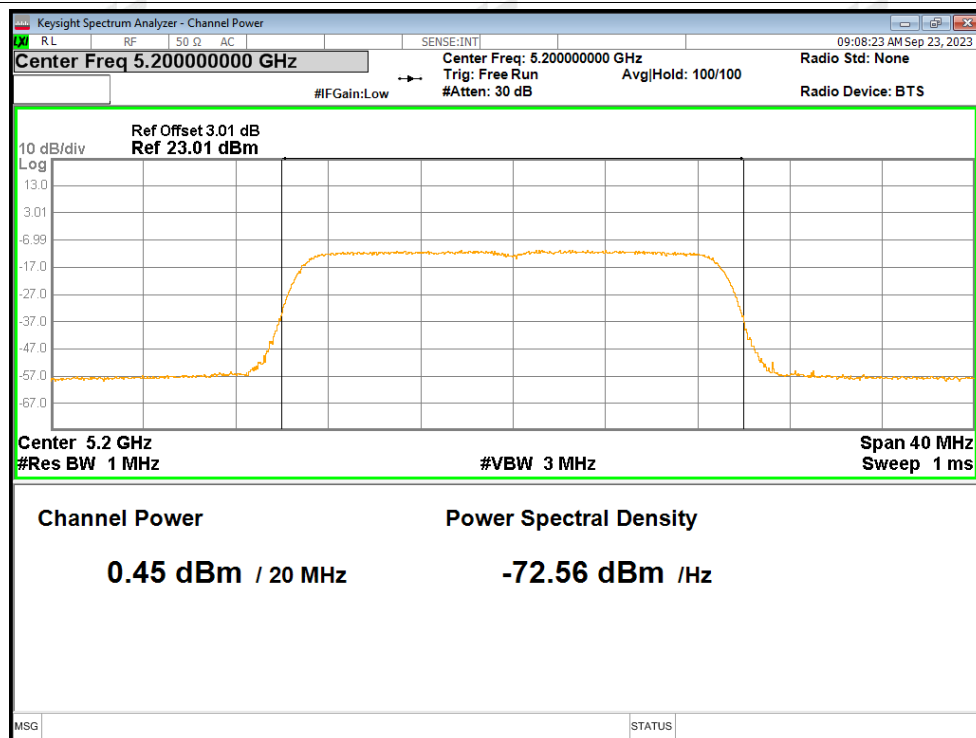
Power NVNT a 5240MHz Ant2



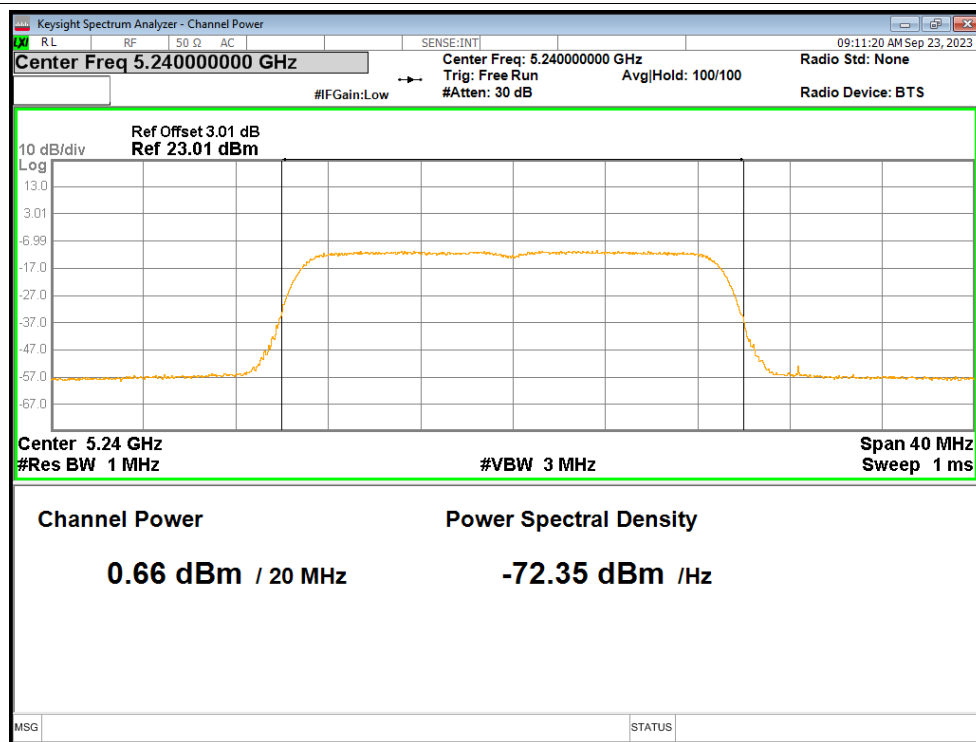
Power NVNT n20 5180MHz Ant2



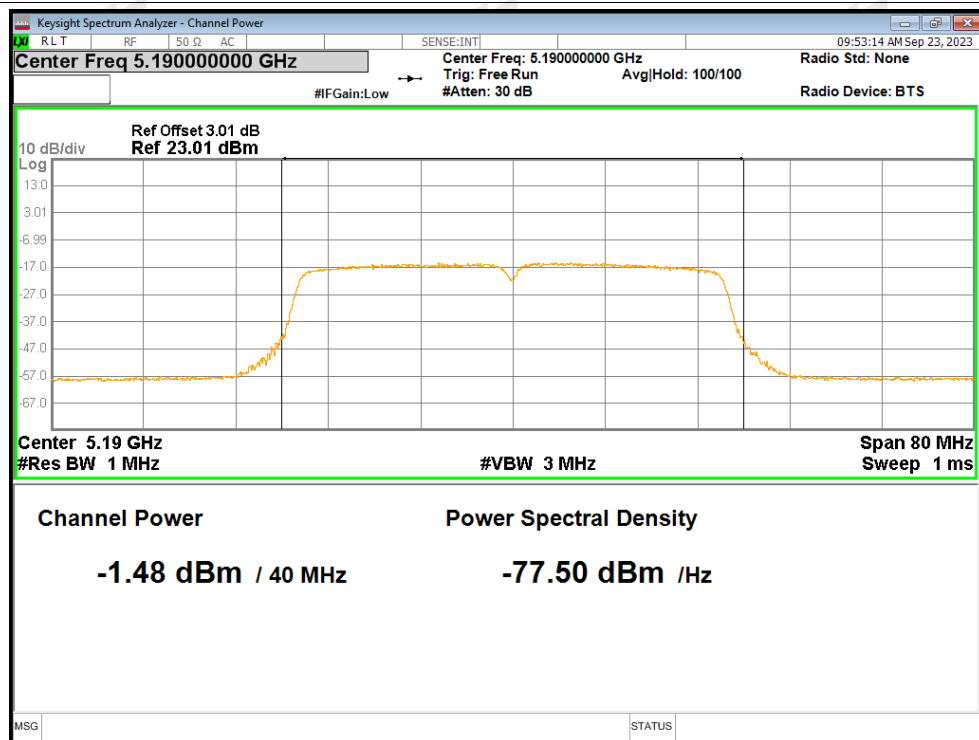
Power NVNT n20 5200MHz Ant2



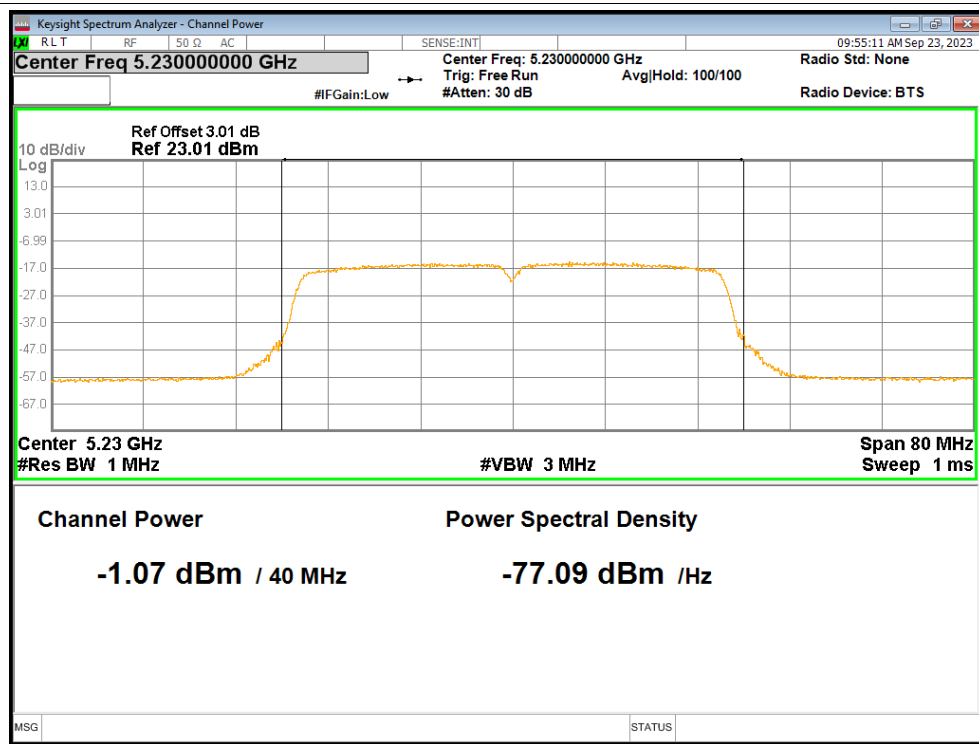
Power NVNT n20 5240MHz Ant2



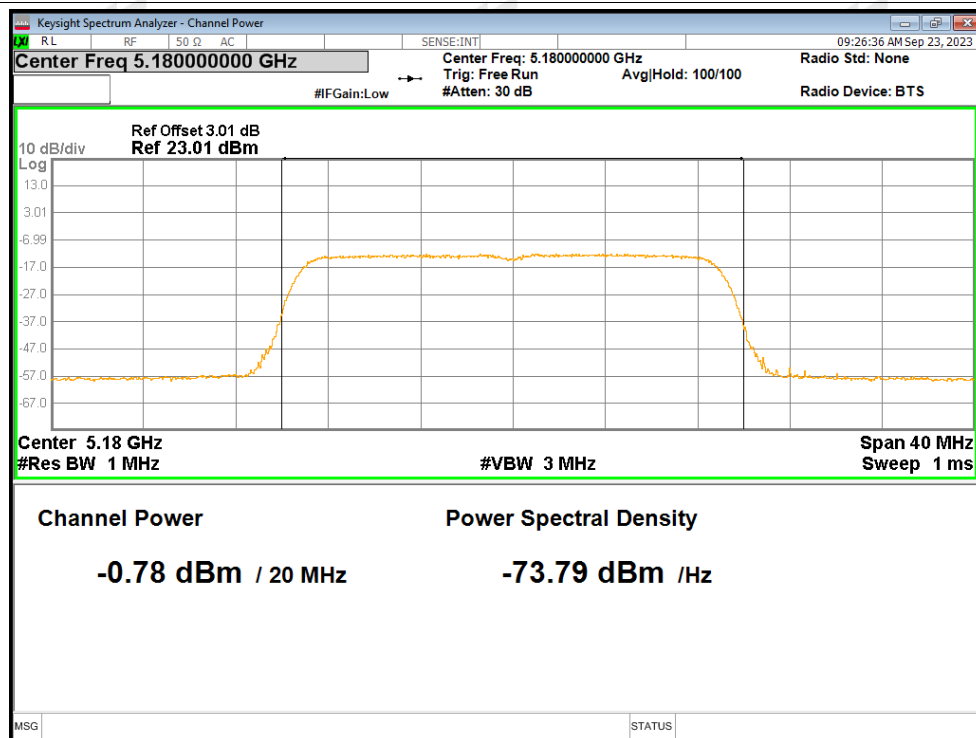
Power NVNT n40 5190MHz Ant2



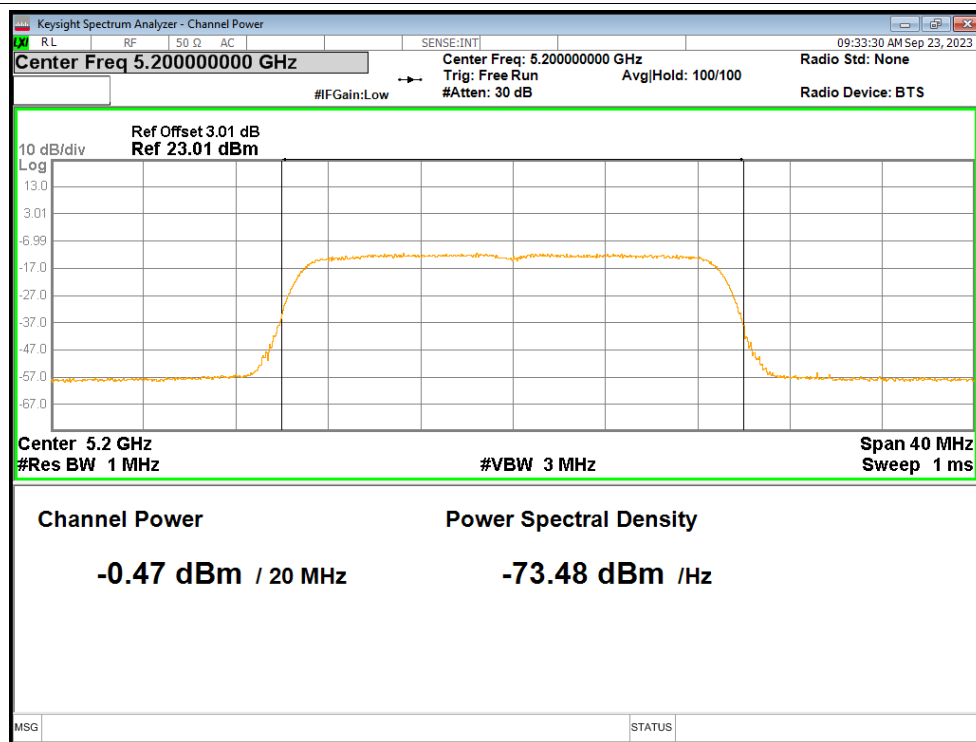
Power NVNT n40 5230MHz Ant2



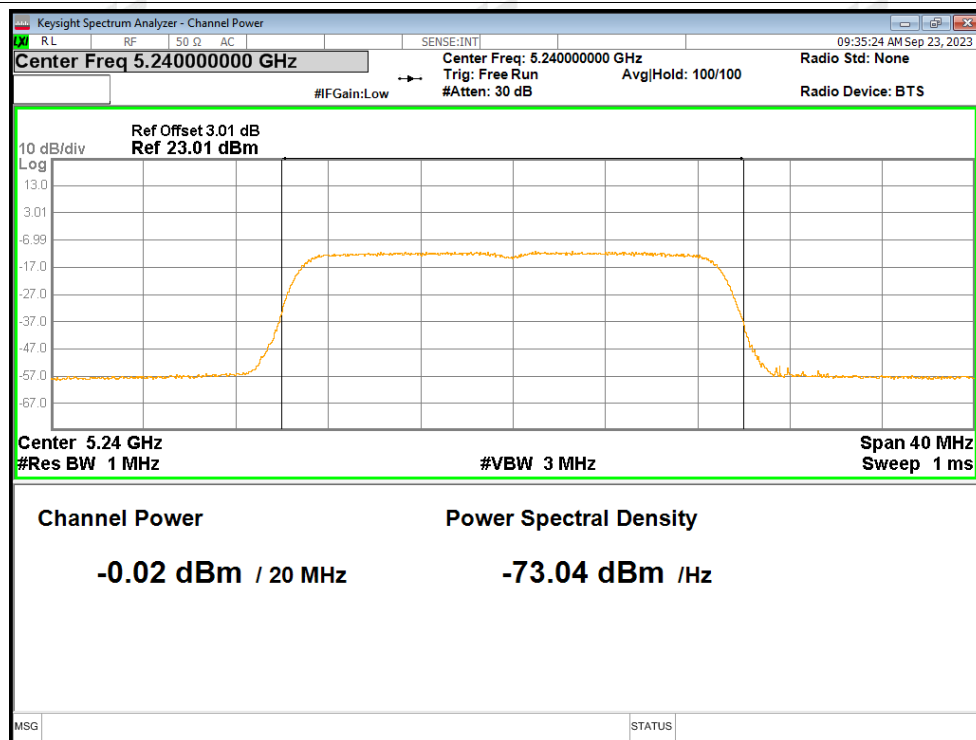
Power NVNT ac20 5180MHz Ant2



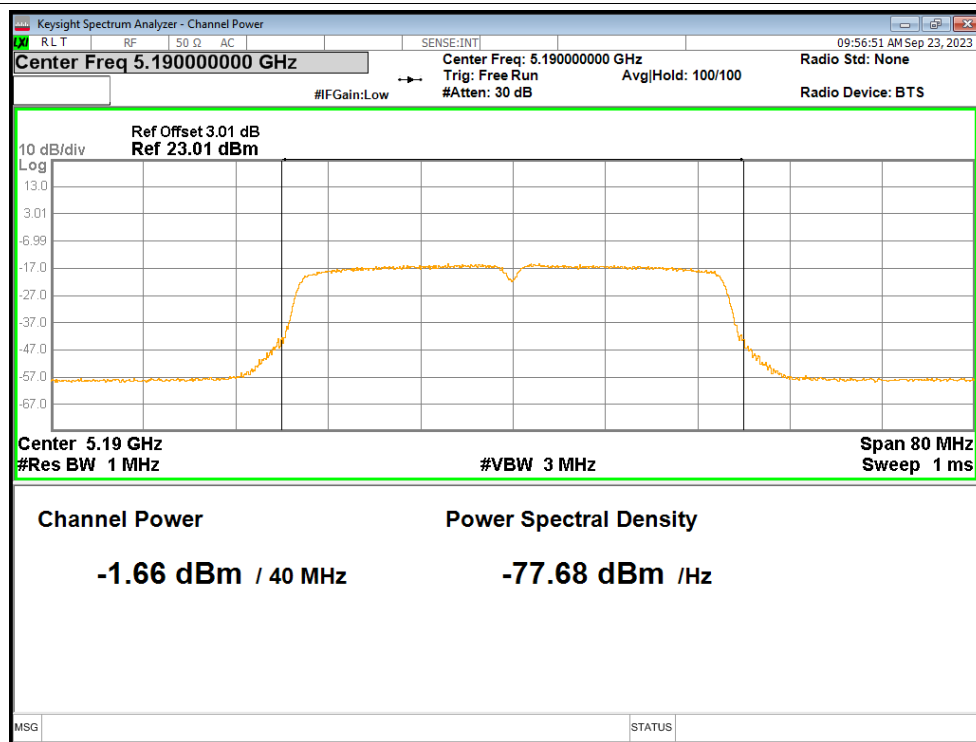
Power NVNT ac20 5200MHz Ant2



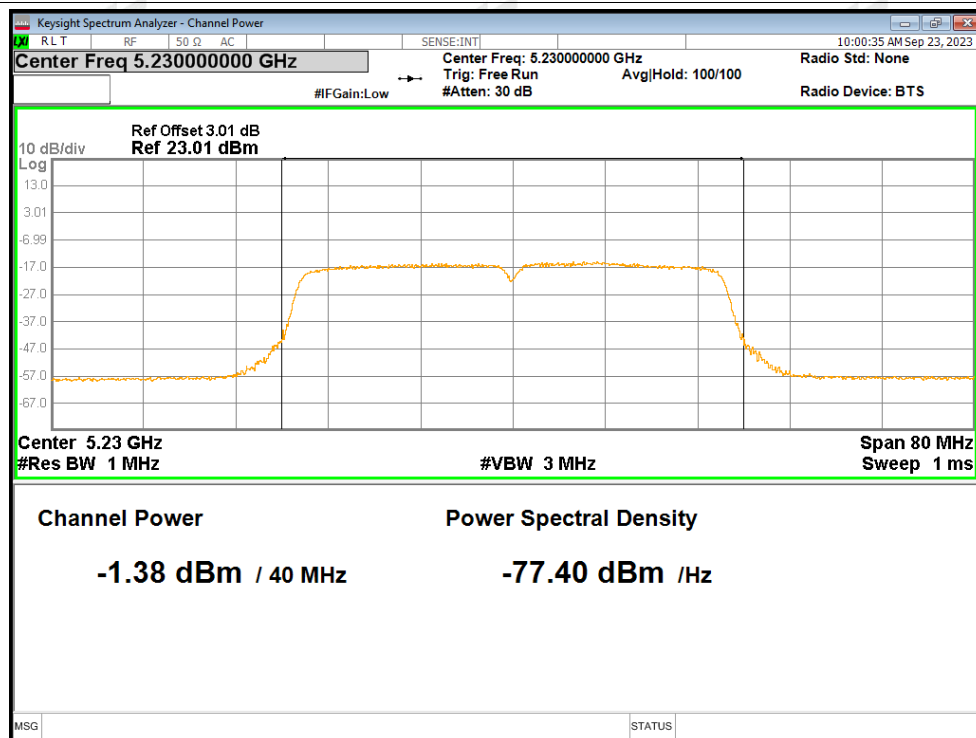
Power NVNT ac20 5240MHz Ant2



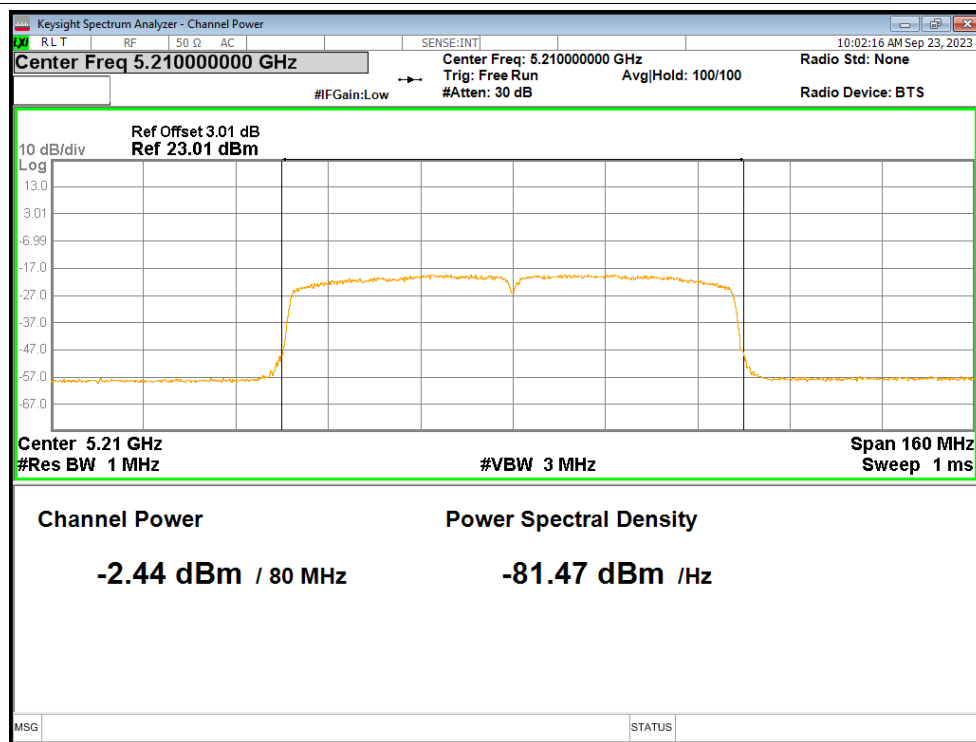
Power NVNT ac40 5190MHz Ant2



Power NVNT ac40 5230MHz Ant2



Power NVNT ac80 5210MHz Ant2

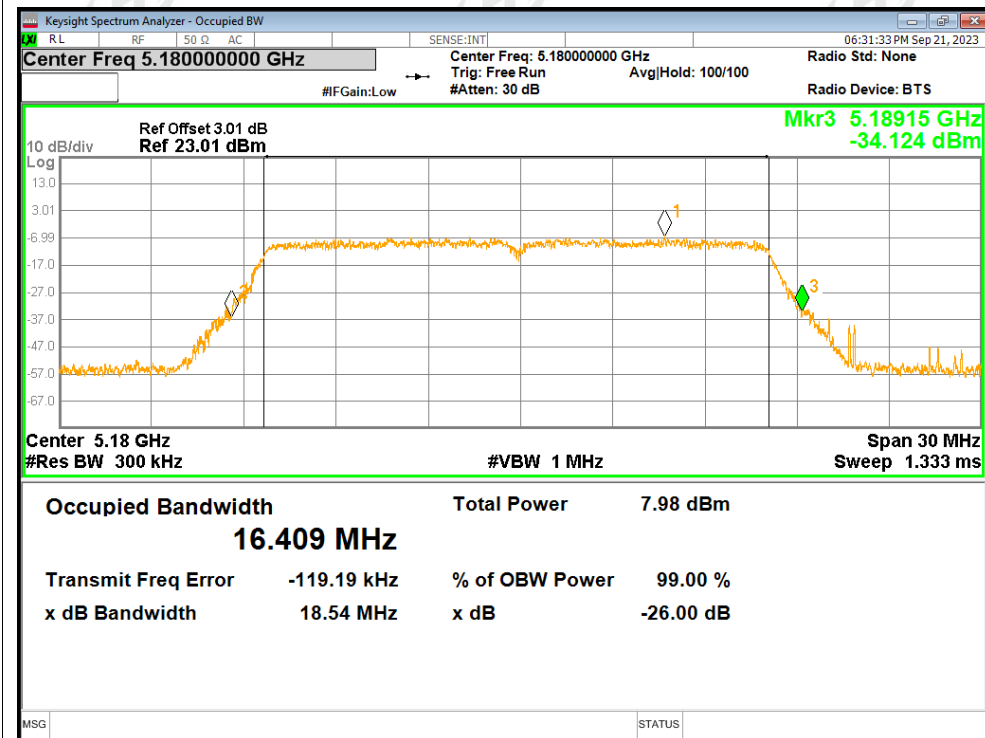


B3.-26dB Bandwidth

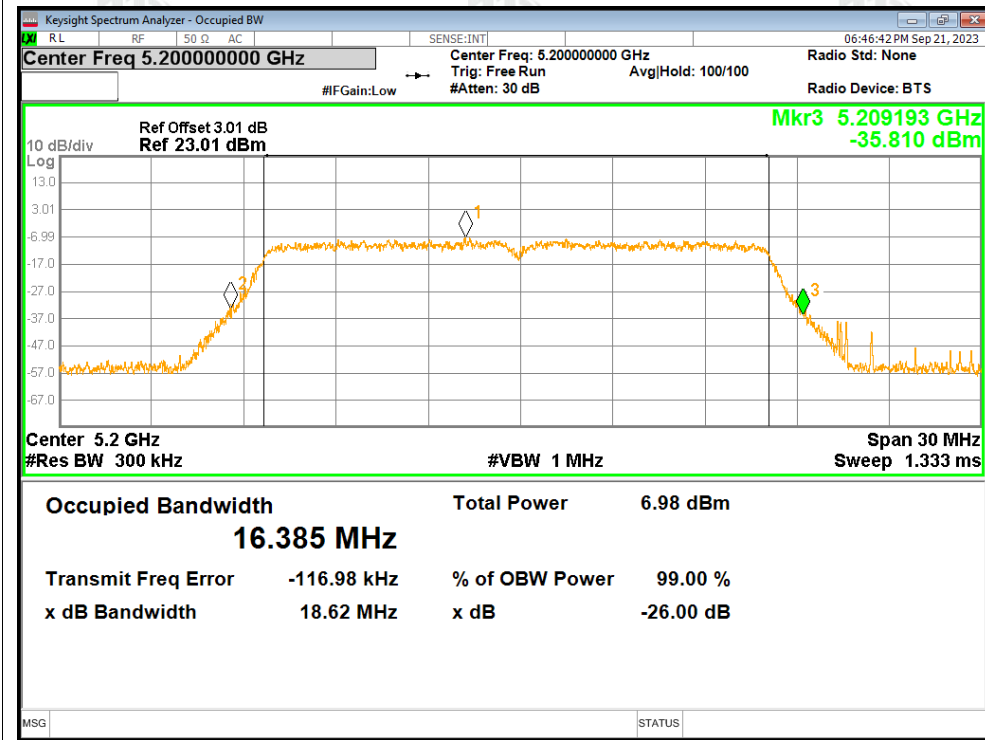
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	18.538
NVNT	a	5200	Ant1	18.621
NVNT	a	5240	Ant1	18.695
NVNT	n20	5180	Ant1	19.667
NVNT	n20	5200	Ant1	19.491
NVNT	n20	5240	Ant1	19.451
NVNT	n40	5190	Ant1	38.634
NVNT	n40	5230	Ant1	38.664
NVNT	ac20	5180	Ant1	18.797
NVNT	ac20	5200	Ant1	18.595
NVNT	ac20	5240	Ant1	18.682
NVNT	ac40	5190	Ant1	40.651
NVNT	ac40	5230	Ant1	40.075
NVNT	ac80	5210	Ant1	78.674
NVNT	a	5180	Ant2	18.618
NVNT	a	5200	Ant2	18.689
NVNT	a	5240	Ant2	18.477
NVNT	n20	5180	Ant2	19.414
NVNT	n20	5200	Ant2	19.572
NVNT	n20	5240	Ant2	19.596
NVNT	n40	5190	Ant2	40.203
NVNT	n40	5230	Ant2	40.241
NVNT	ac20	5180	Ant2	19.581
NVNT	ac20	5200	Ant2	19.512
NVNT	ac20	5240	Ant2	19.393
NVNT	ac40	5190	Ant2	39.894
NVNT	ac40	5230	Ant2	40.239
NVNT	ac80	5210	Ant2	79.458

Test Graphs

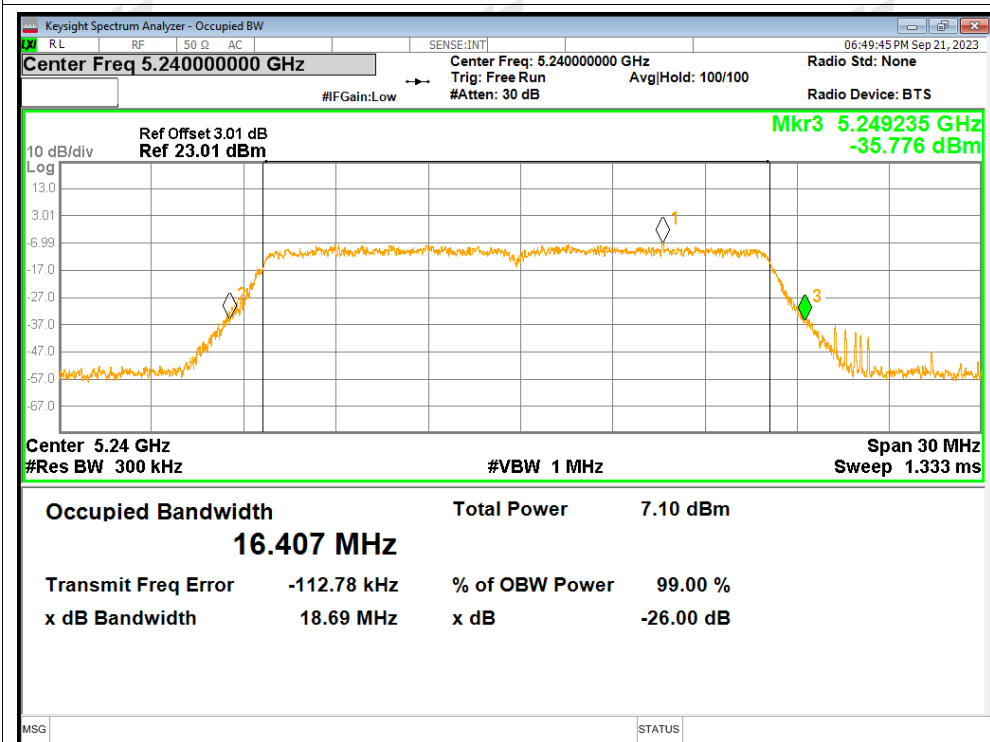
-26dB Bandwidth NVNT a 5180MHz Ant1



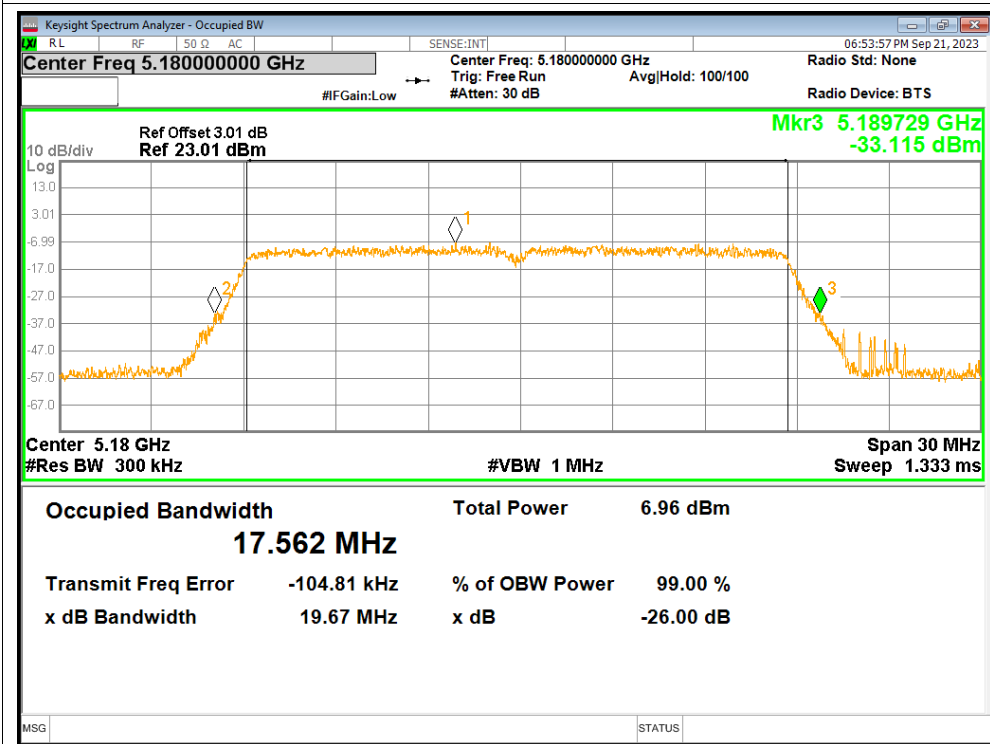
-26dB Bandwidth NVNT a 5200MHz Ant1



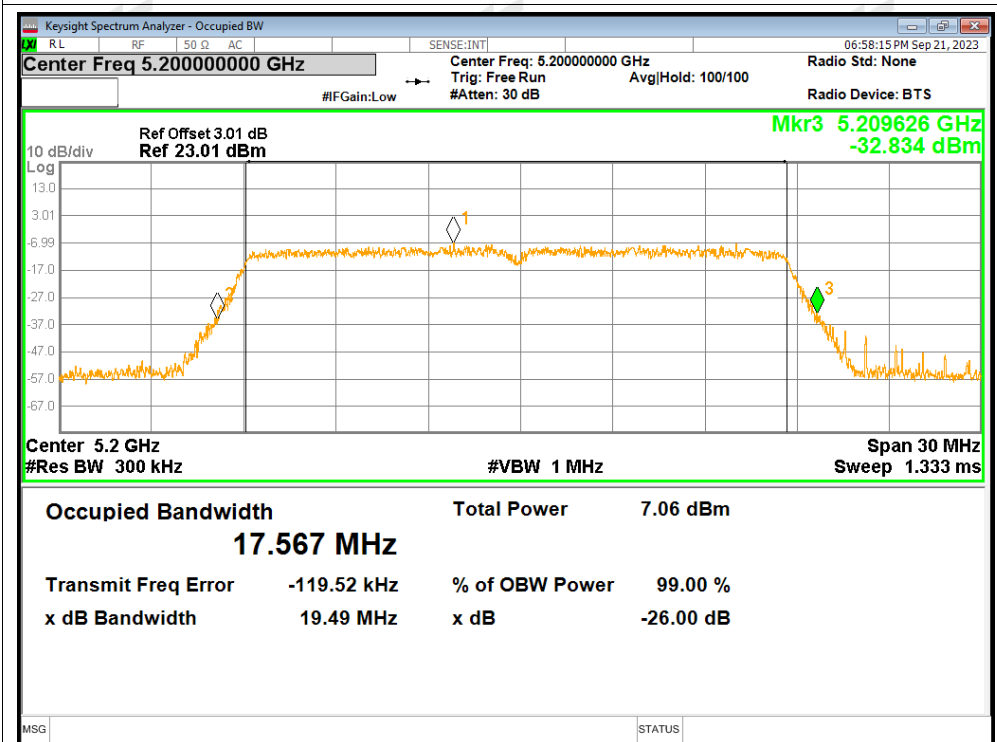
-26dB Bandwidth NVNT a 5240MHz Ant1



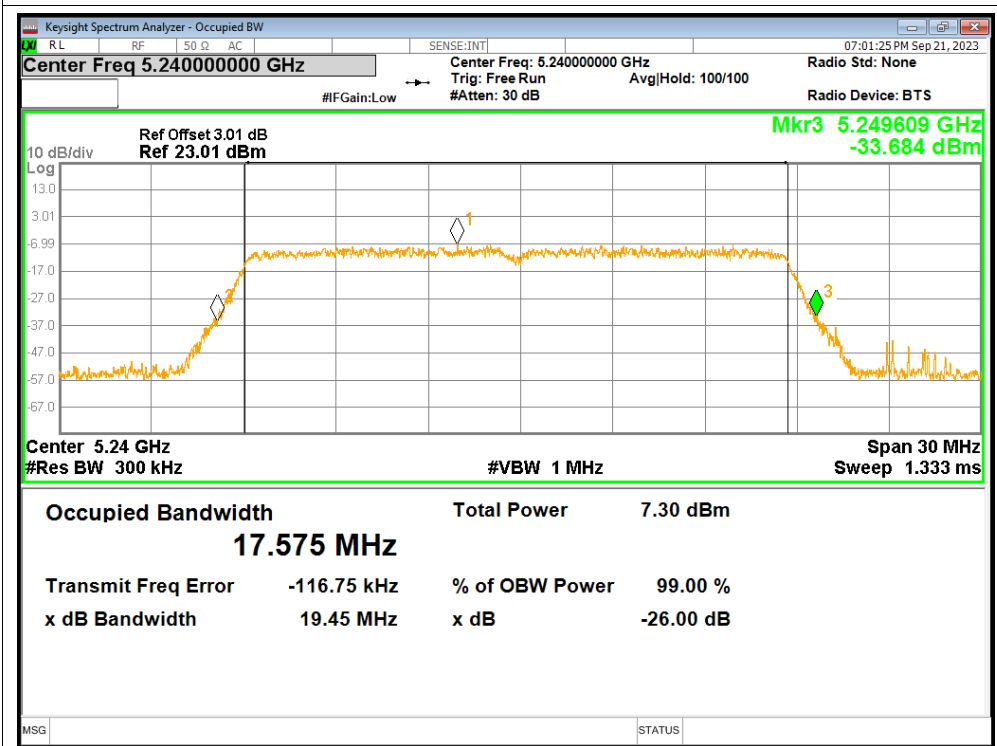
-26dB Bandwidth NVNT n20 5180MHz Ant1



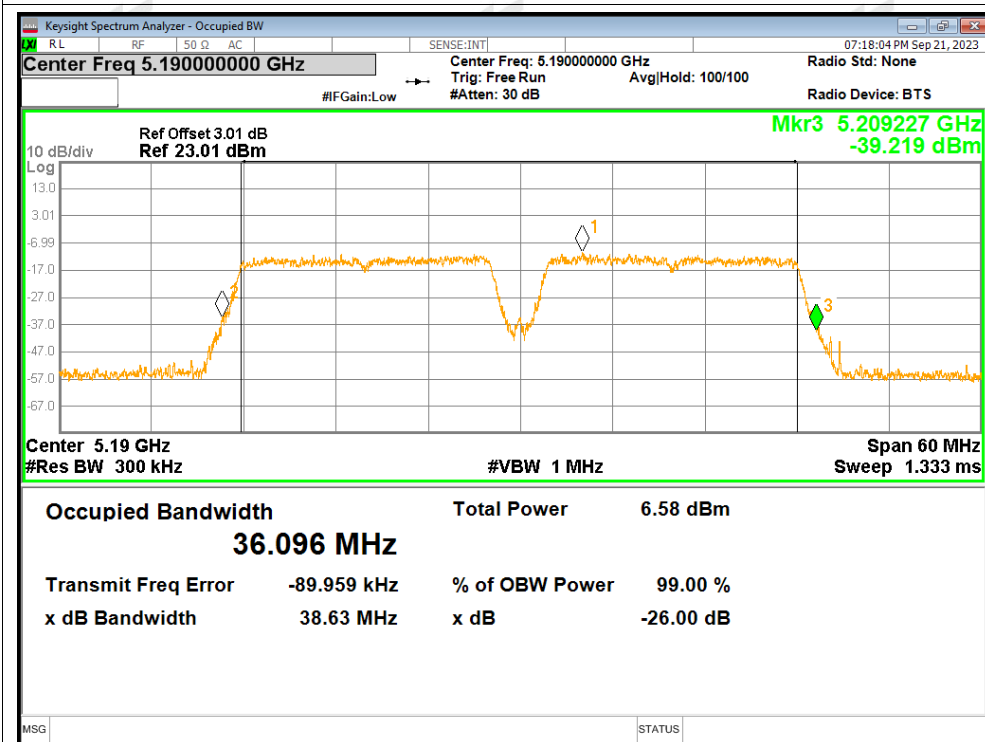
-26dB Bandwidth NVNT n20 5200MHz Ant1



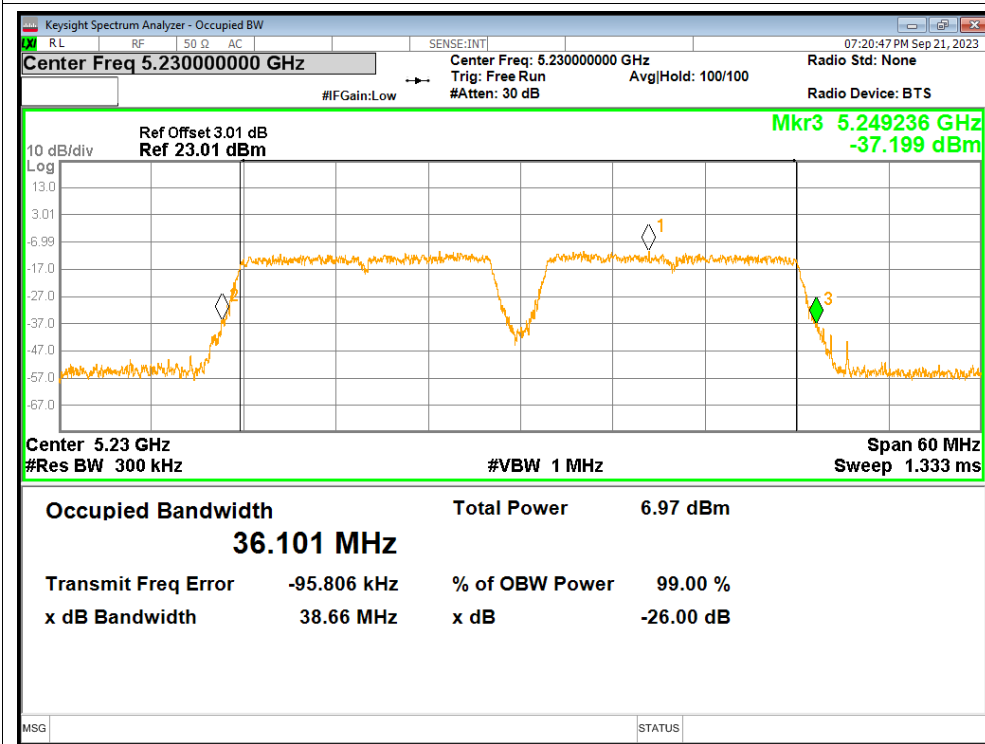
-26dB Bandwidth NVNT n20 5240MHz Ant1

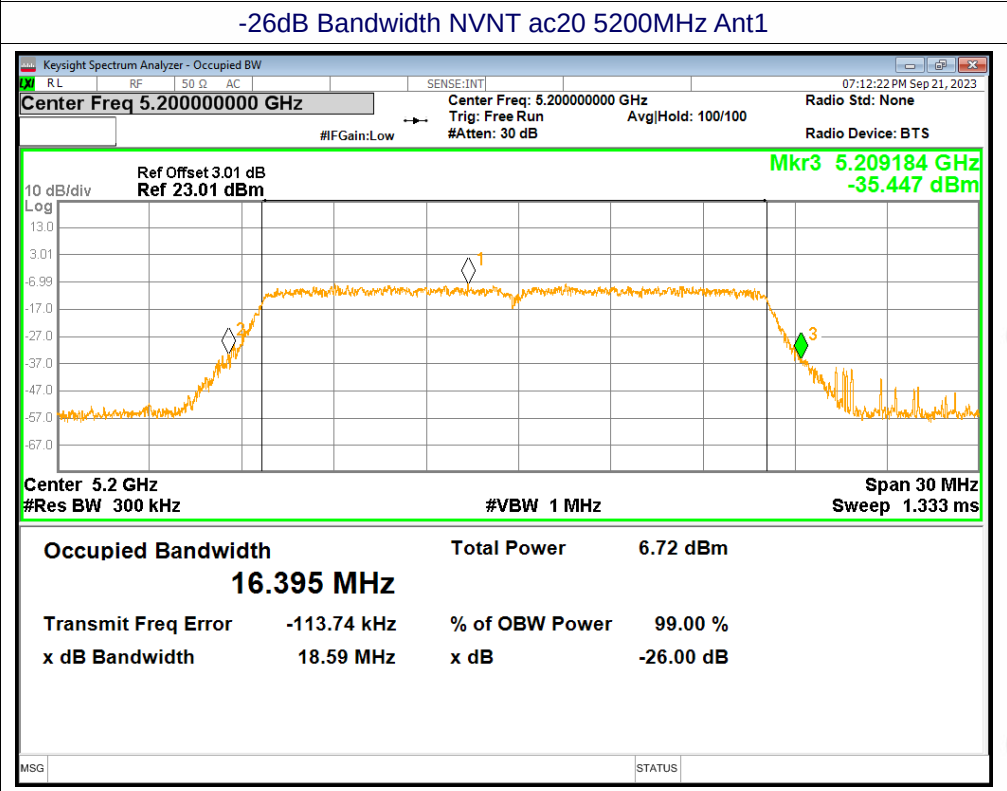
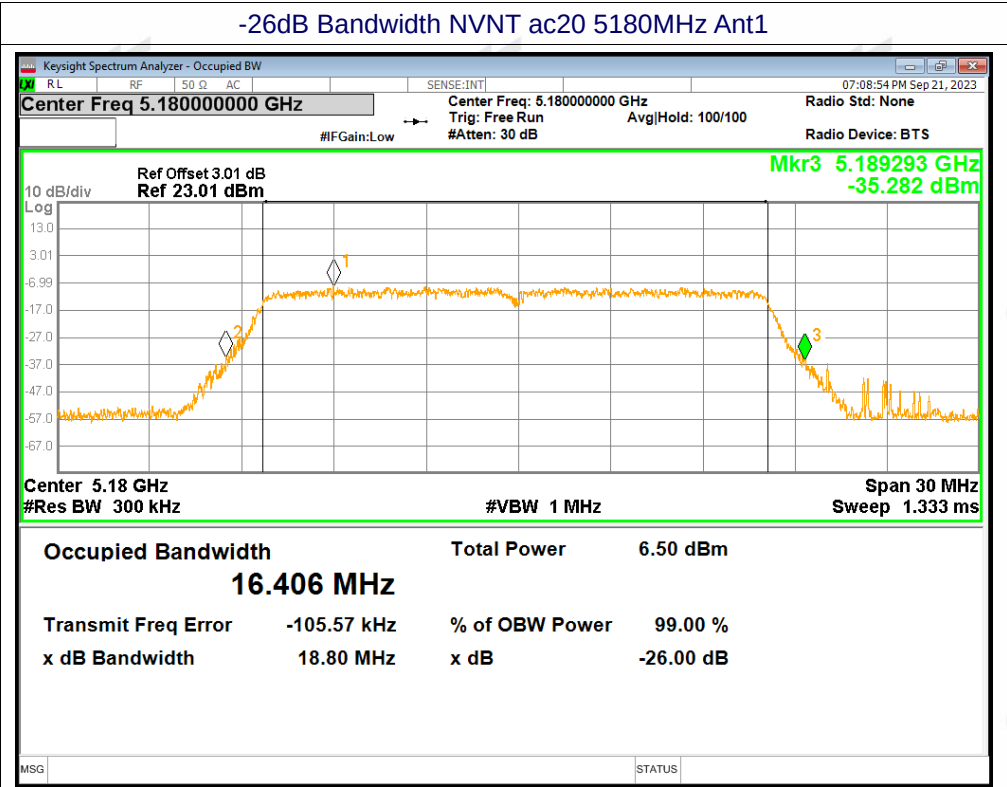


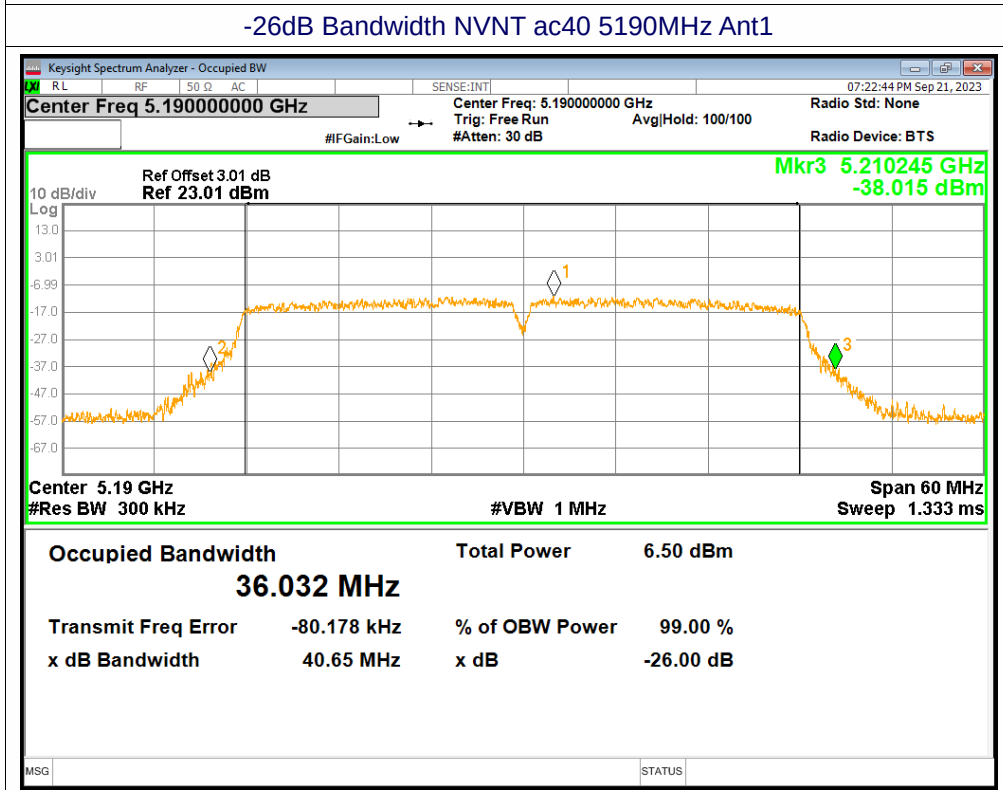
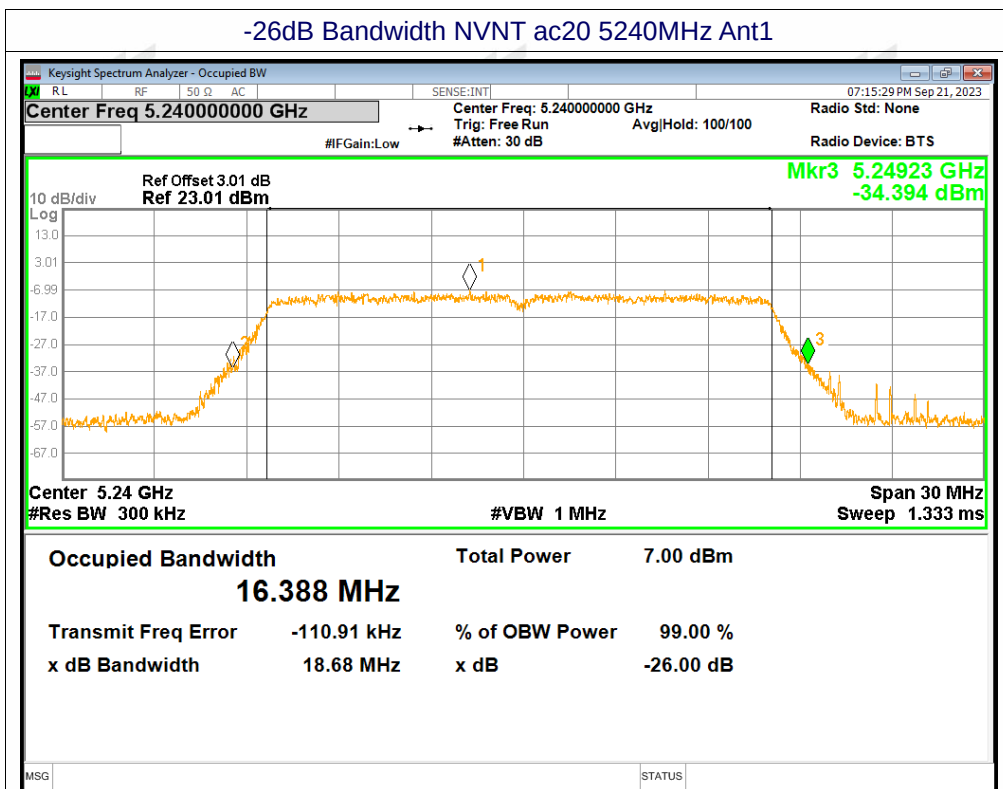
-26dB Bandwidth NVNT n40 5190MHz Ant1



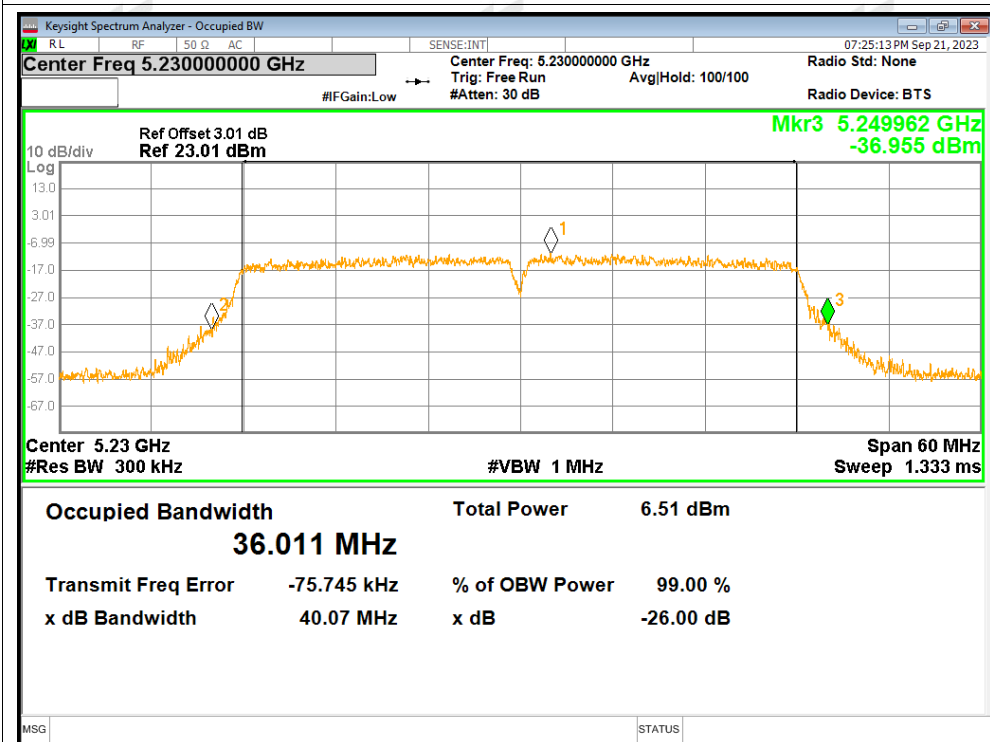
-26dB Bandwidth NVNT n40 5230MHz Ant1



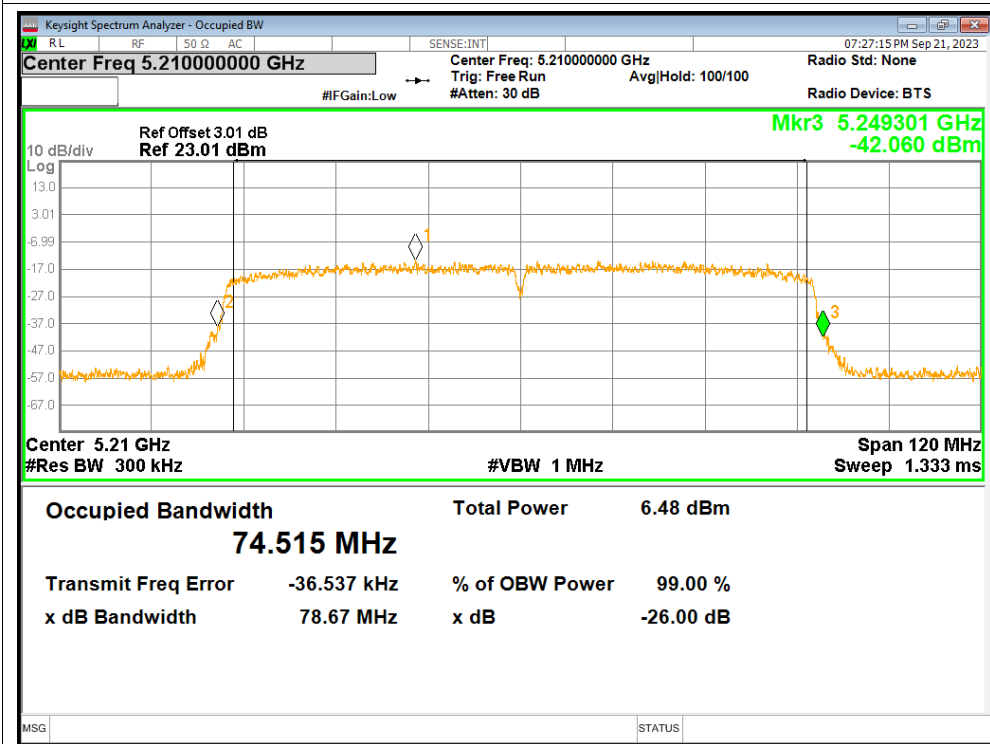




-26dB Bandwidth NVNT ac40 5230MHz Ant1

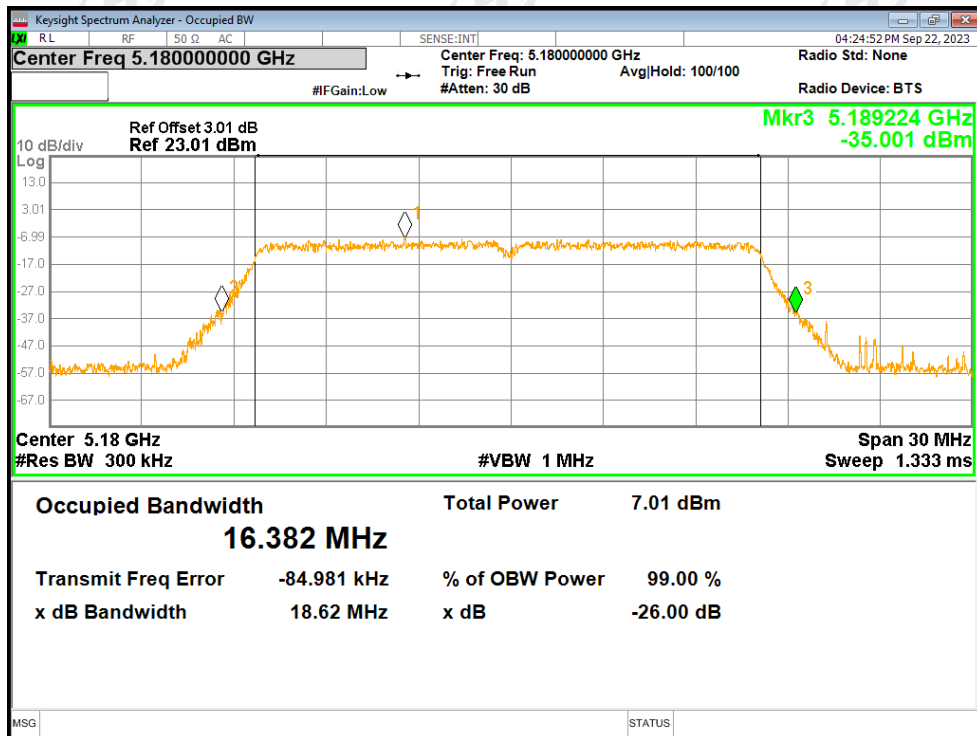


-26dB Bandwidth NVNT ac80 5210MHz Ant1

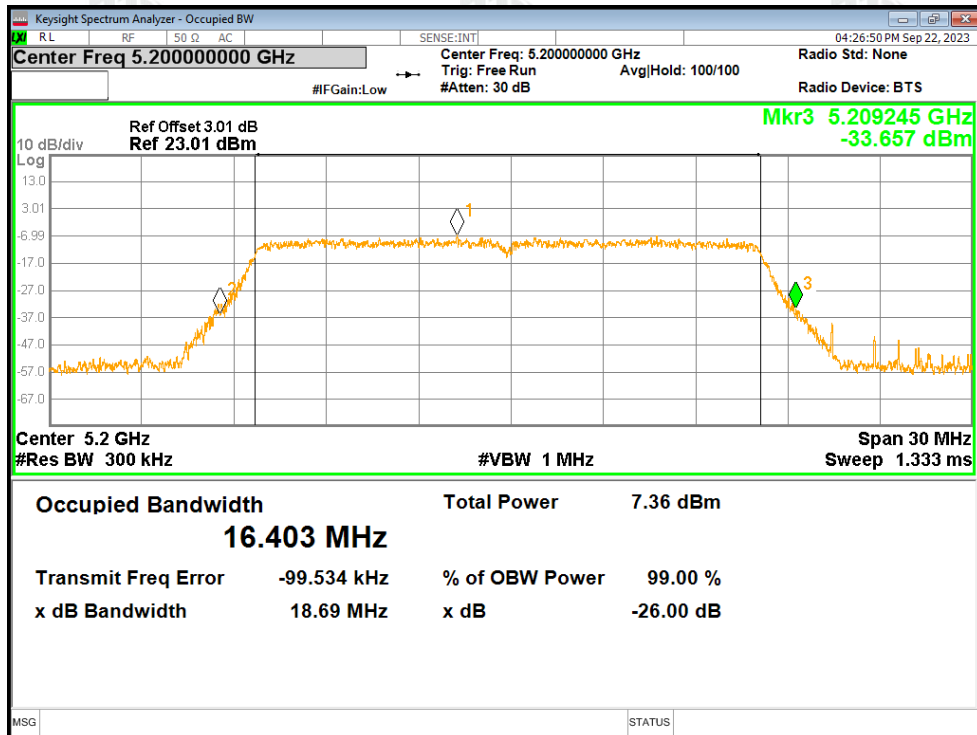


Test Graphs

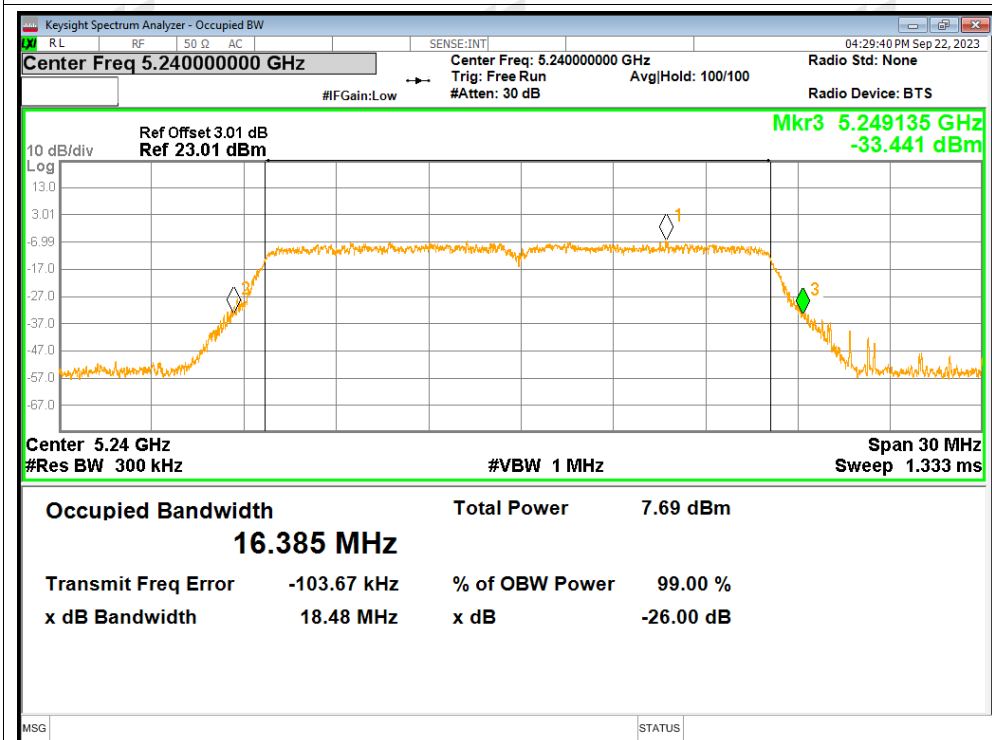
-26dB Bandwidth NVNT a 5180MHz Ant2



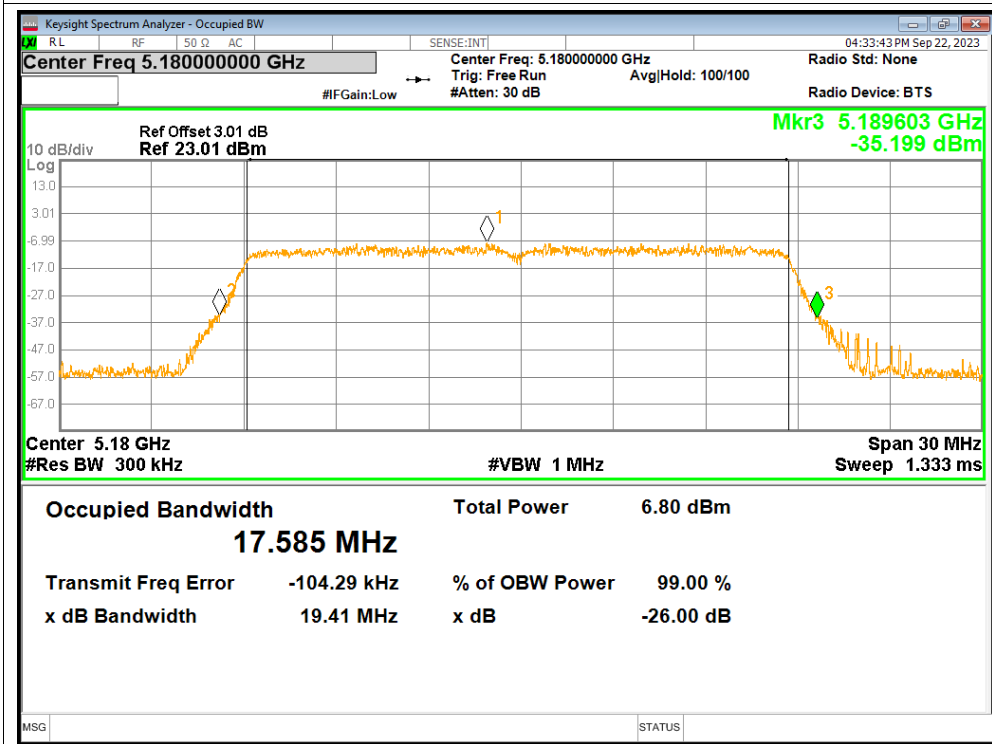
-26dB Bandwidth NVNT a 5200MHz Ant2



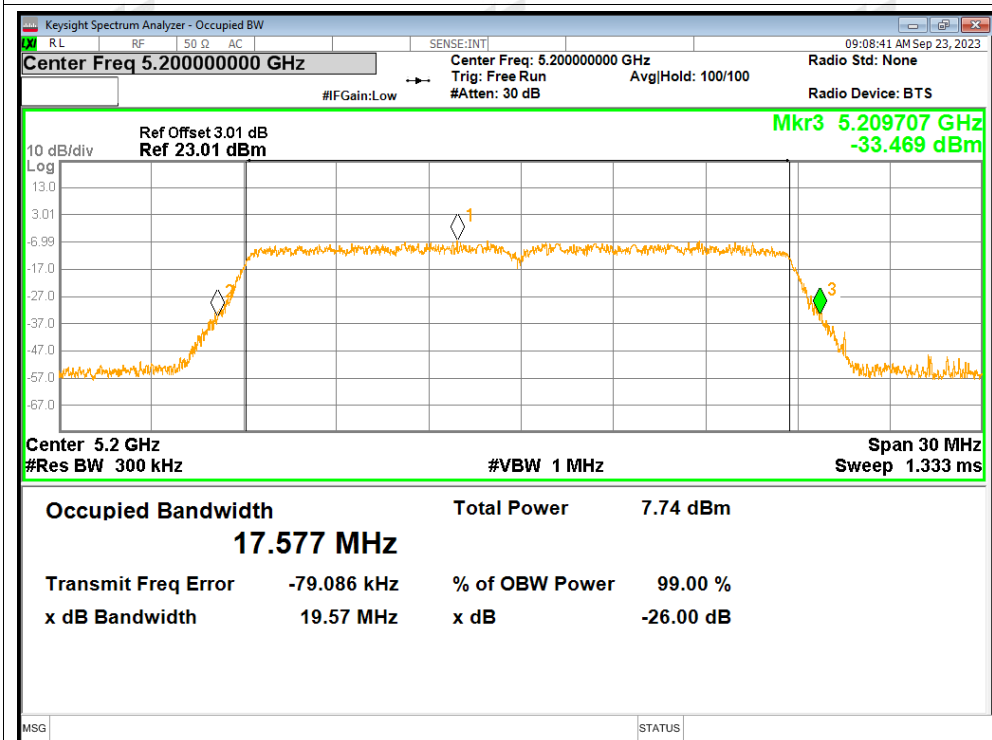
-26dB Bandwidth NVNT a 5240MHz Ant2



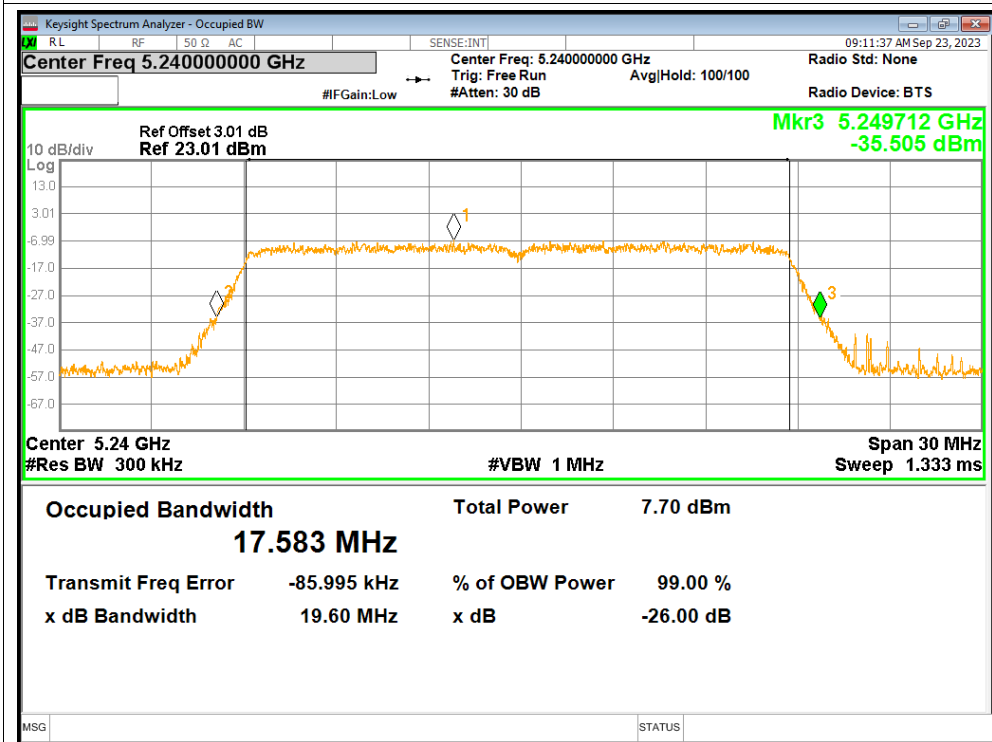
-26dB Bandwidth NVNT n20 5180MHz Ant2

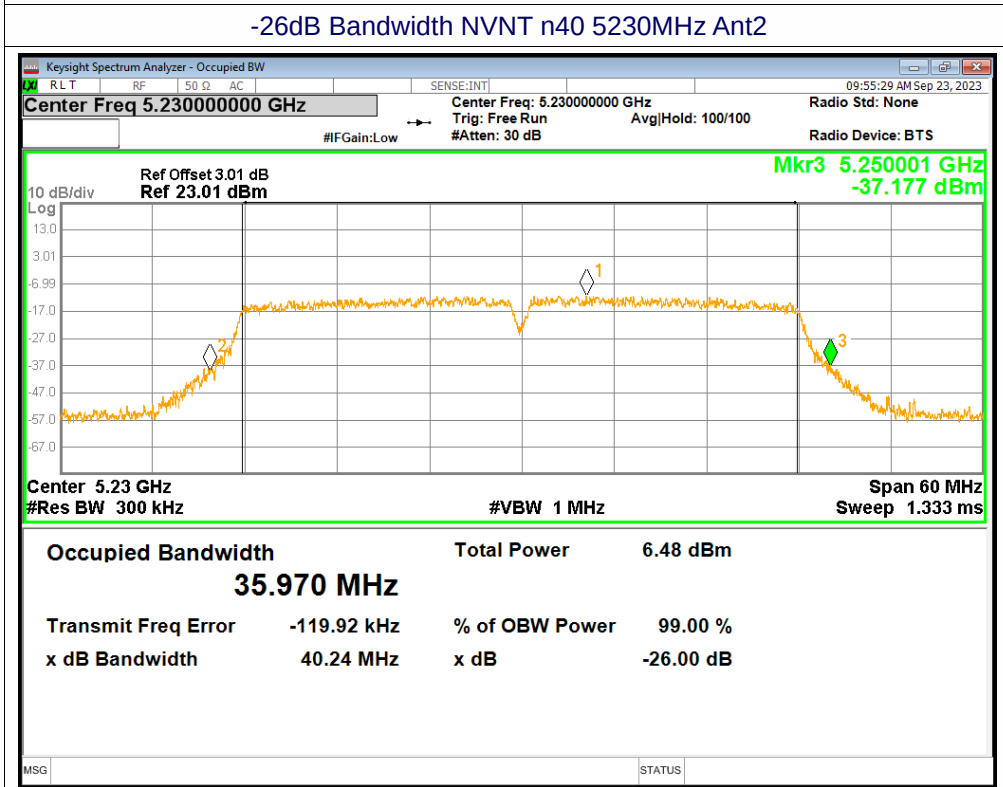
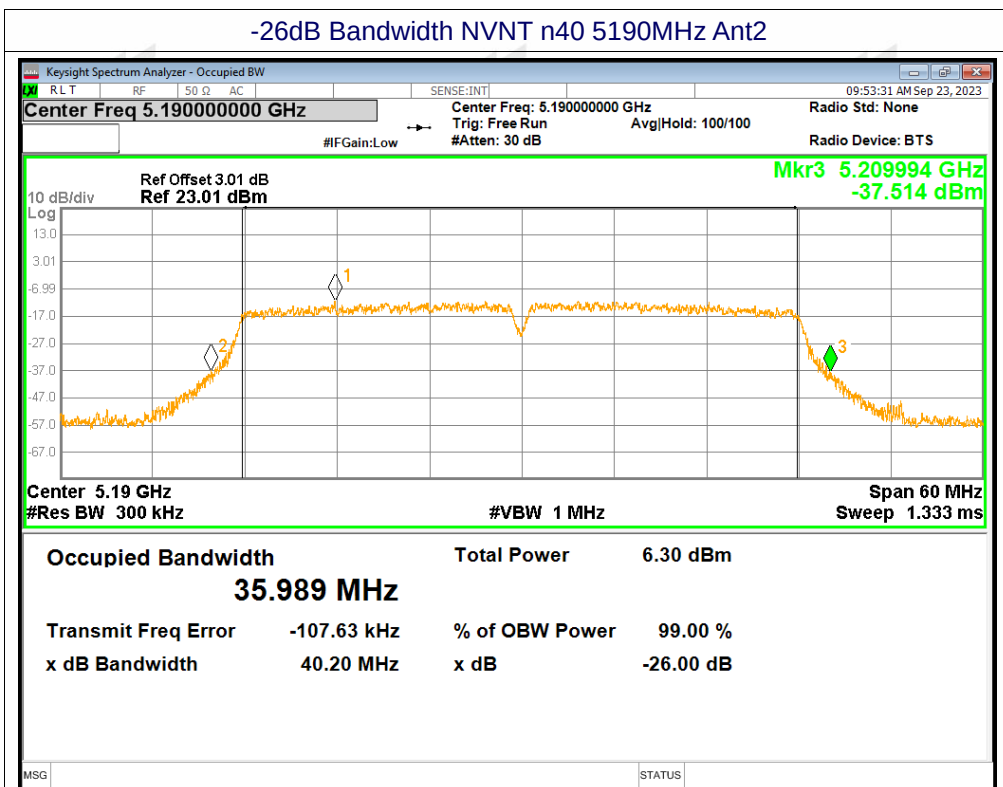


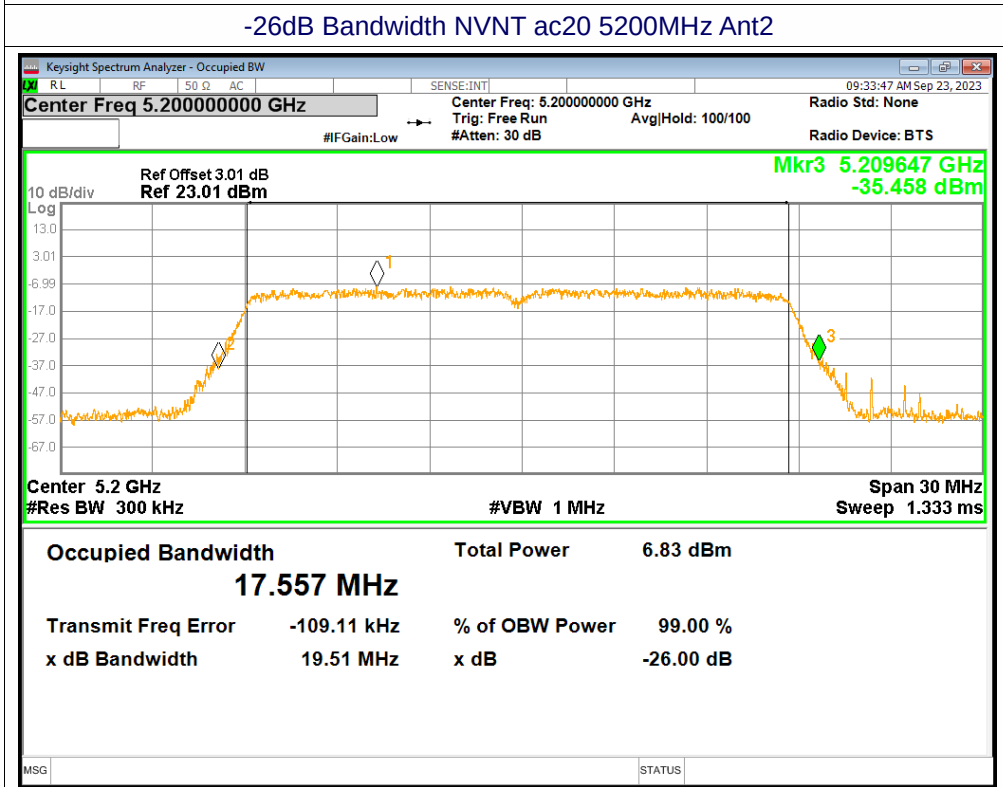
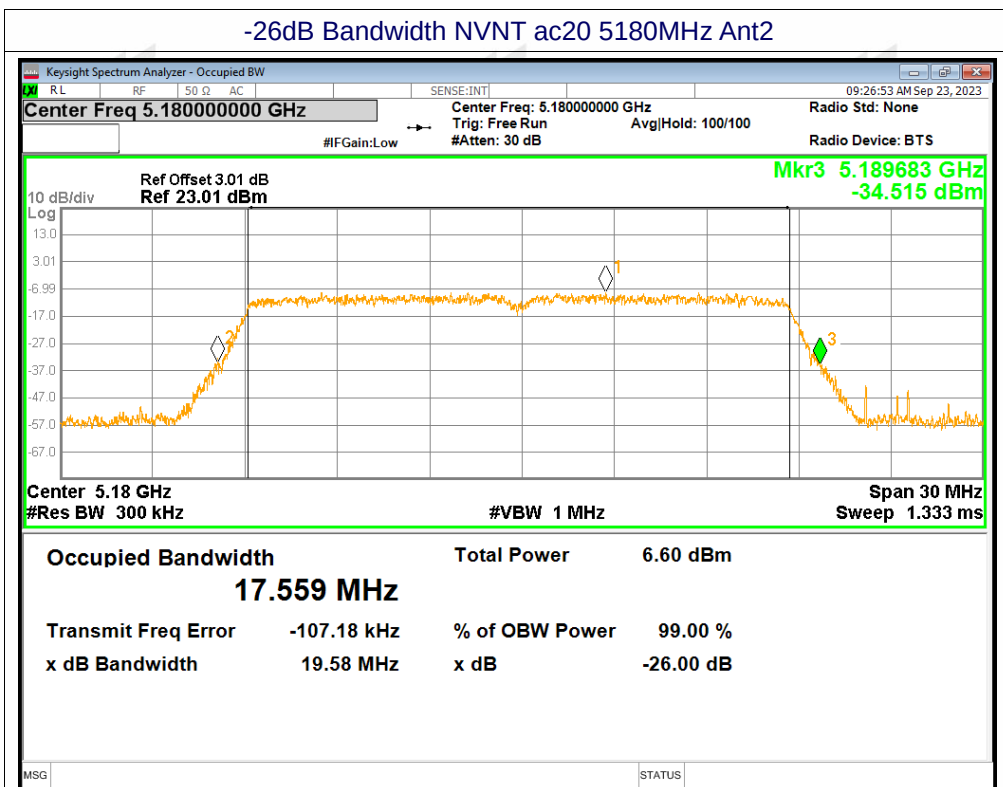
-26dB Bandwidth NVNT n20 5200MHz Ant2

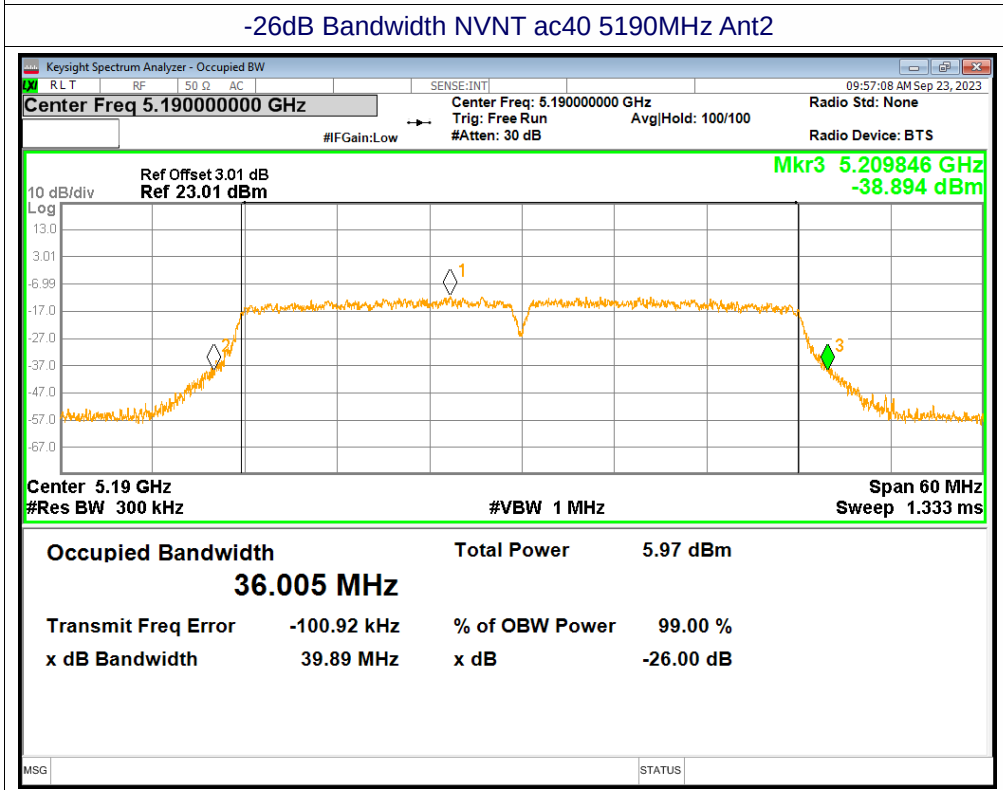
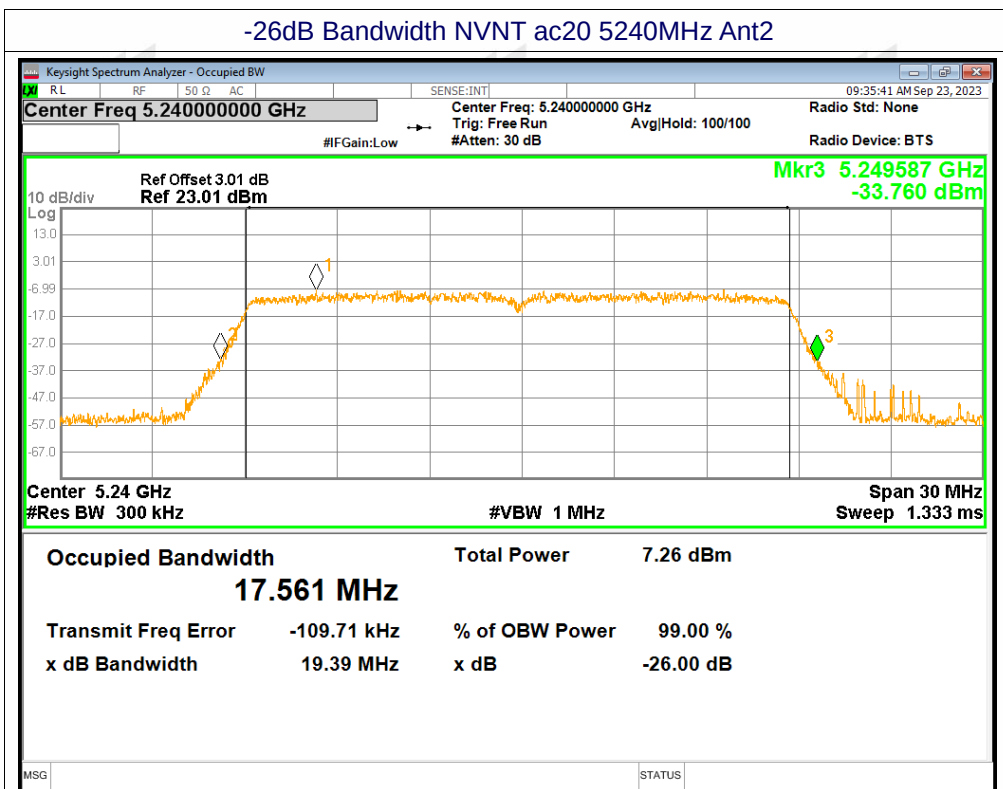


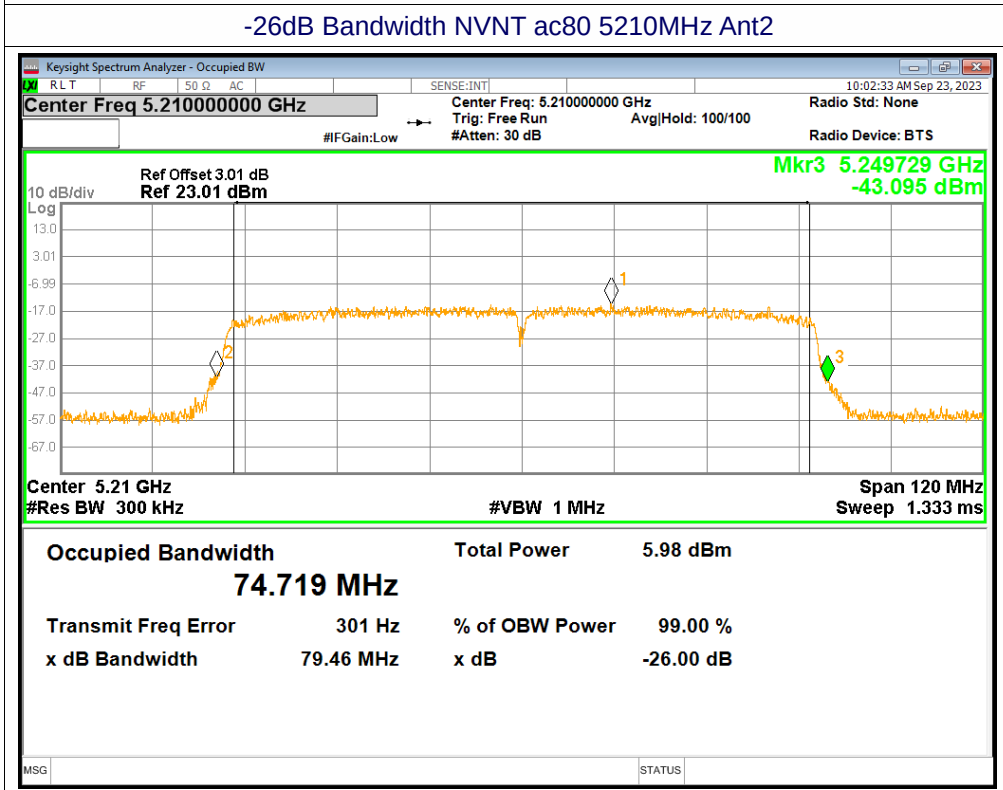
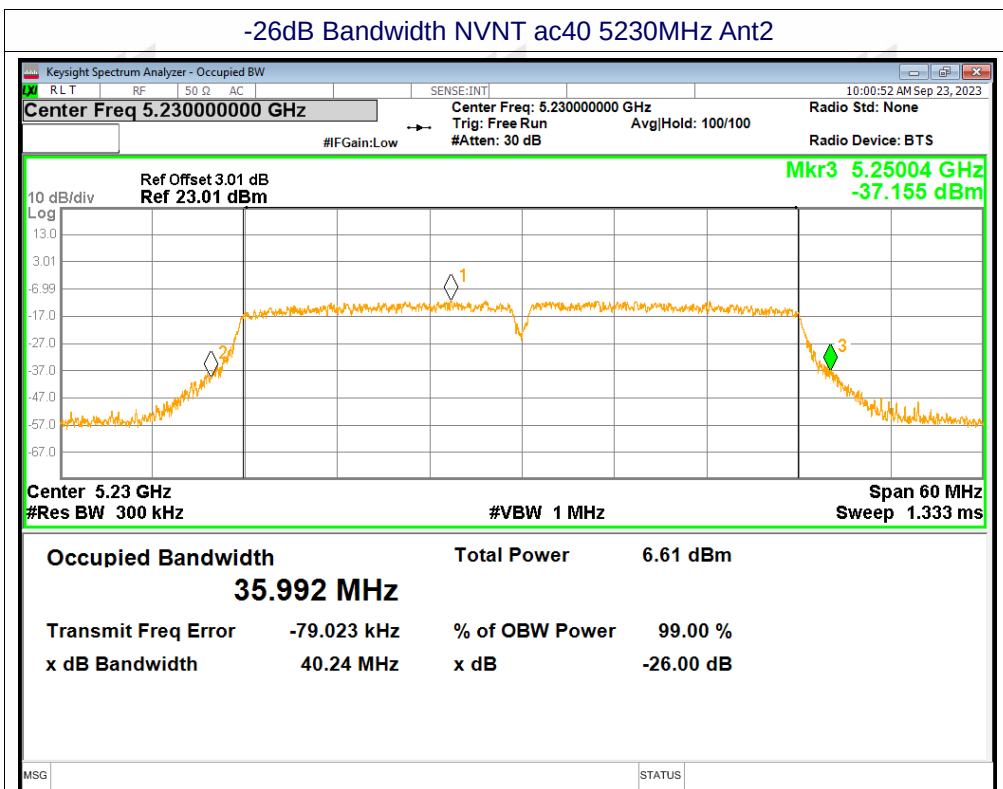
-26dB Bandwidth NVNT n20 5240MHz Ant2









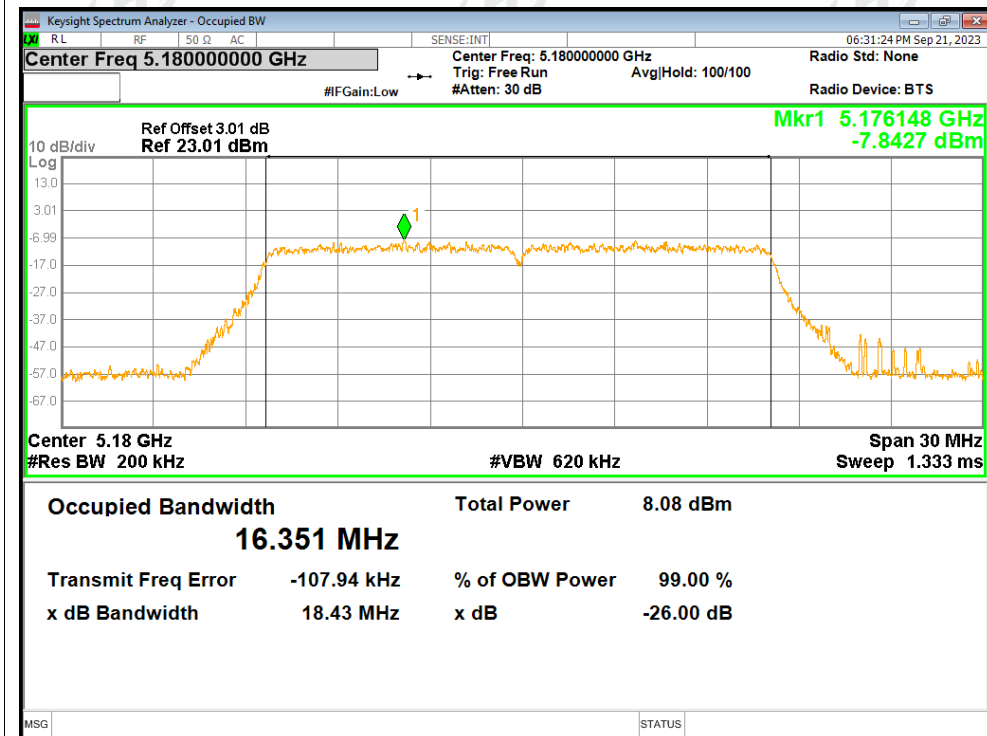


B4.Occupied Channel Bandwidth

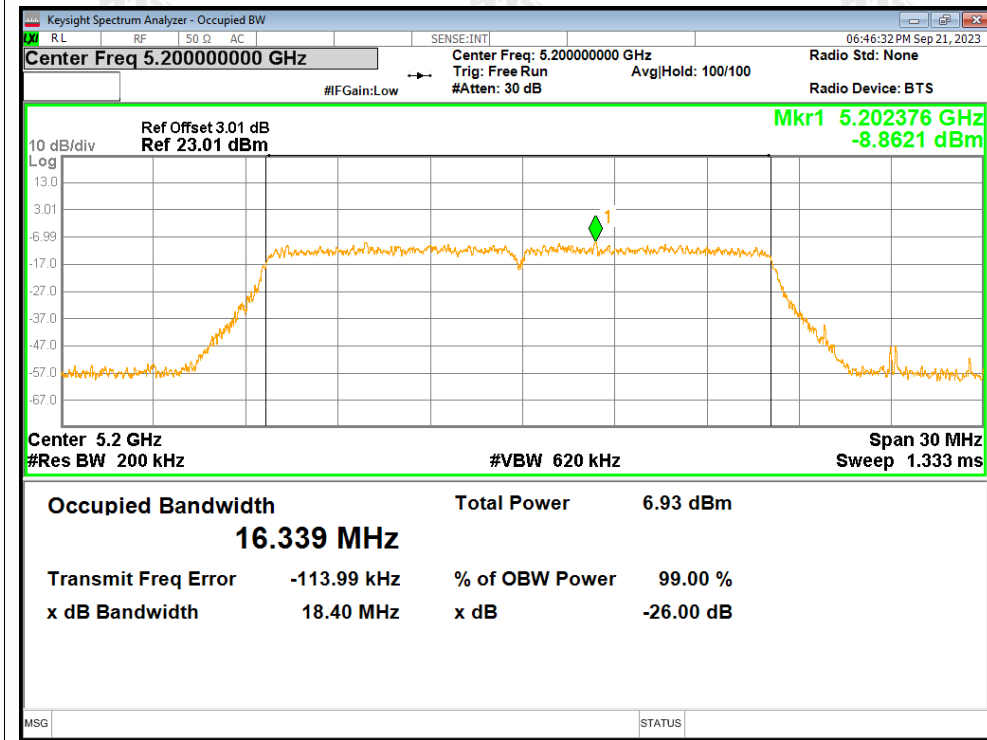
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.351
NVNT	a	5200	Ant1	16.339
NVNT	a	5240	Ant1	16.339
NVNT	n20	5180	Ant1	17.541
NVNT	n20	5200	Ant1	17.529
NVNT	n20	5240	Ant1	17.546
NVNT	n40	5190	Ant1	36.147
NVNT	n40	5230	Ant1	36.155
NVNT	ac20	5180	Ant1	16.34
NVNT	ac20	5200	Ant1	16.35
NVNT	ac20	5240	Ant1	16.35
NVNT	ac40	5190	Ant1	36.089
NVNT	ac40	5230	Ant1	36.027
NVNT	ac80	5210	Ant1	74.829
NVNT	a	5180	Ant2	16.327
NVNT	a	5200	Ant2	16.344
NVNT	a	5240	Ant2	16.347
NVNT	n20	5180	Ant2	17.538
NVNT	n20	5200	Ant2	17.529
NVNT	n20	5240	Ant2	17.544
NVNT	n40	5190	Ant2	36.015
NVNT	n40	5230	Ant2	36.03
NVNT	ac20	5180	Ant2	17.541
NVNT	ac20	5200	Ant2	17.537
NVNT	ac20	5240	Ant2	17.538
NVNT	ac40	5190	Ant2	35.992
NVNT	ac40	5230	Ant2	36.048
NVNT	ac80	5210	Ant2	74.749

Test Graphs

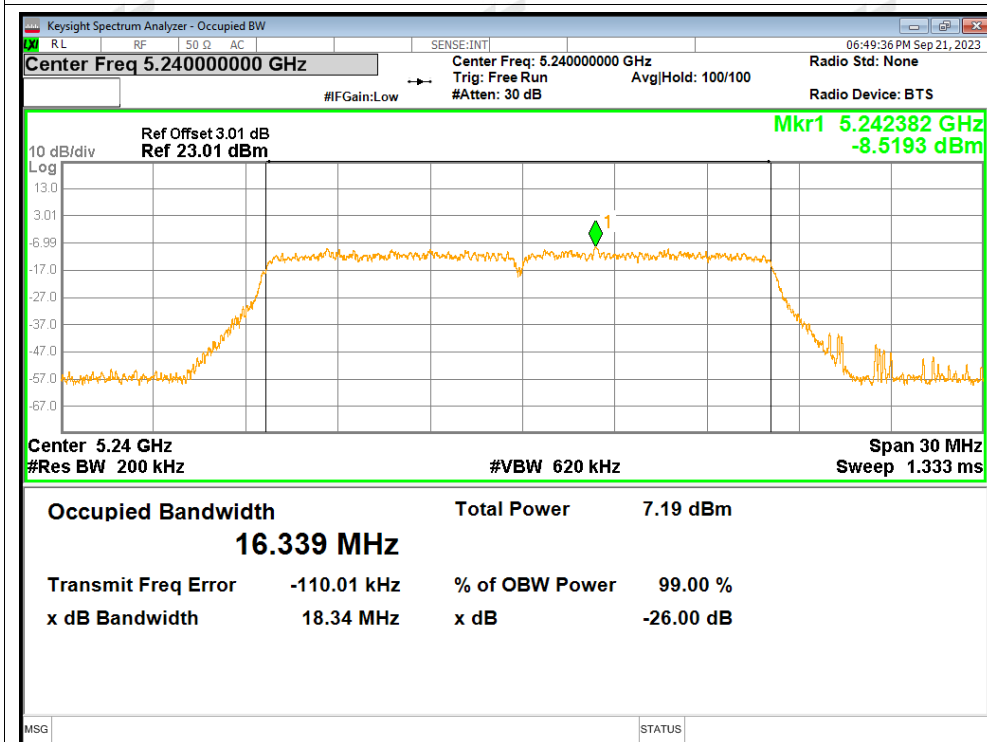
OBW NVNT a 5180MHz Ant1



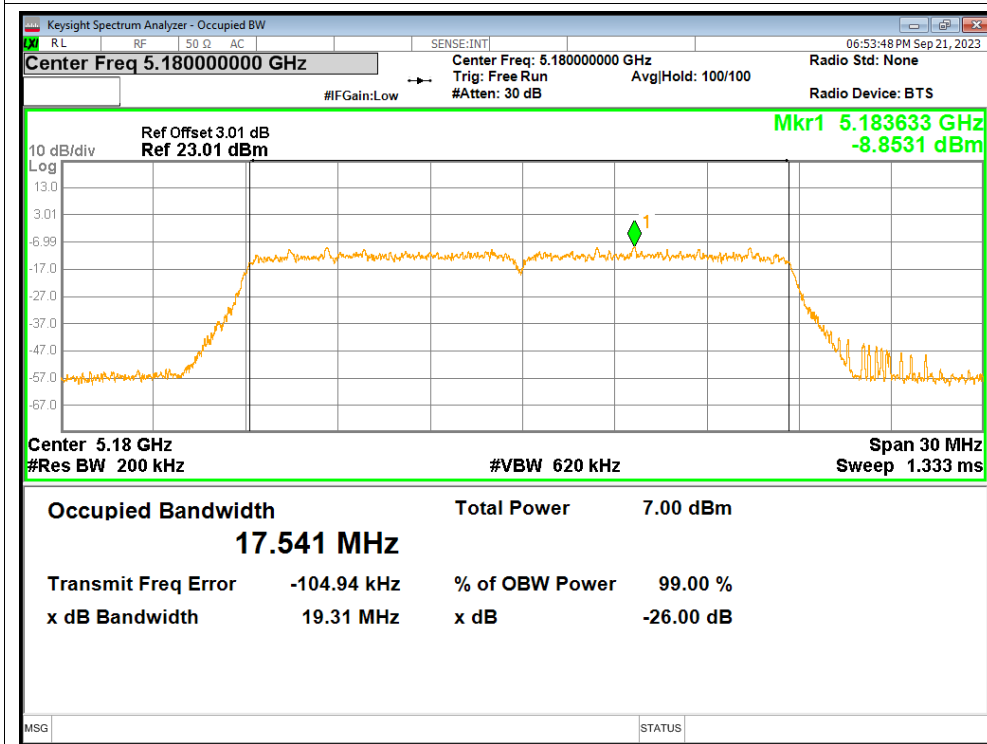
OBW NVNT a 5200MHz Ant1



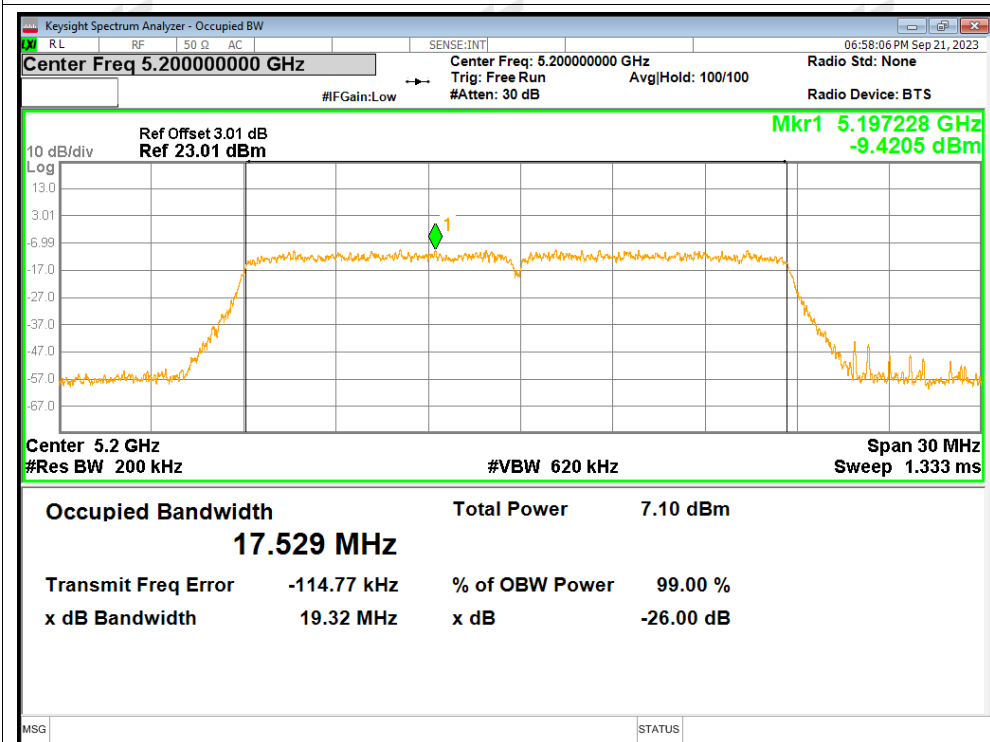
OBW NVNT a 5240MHz Ant1



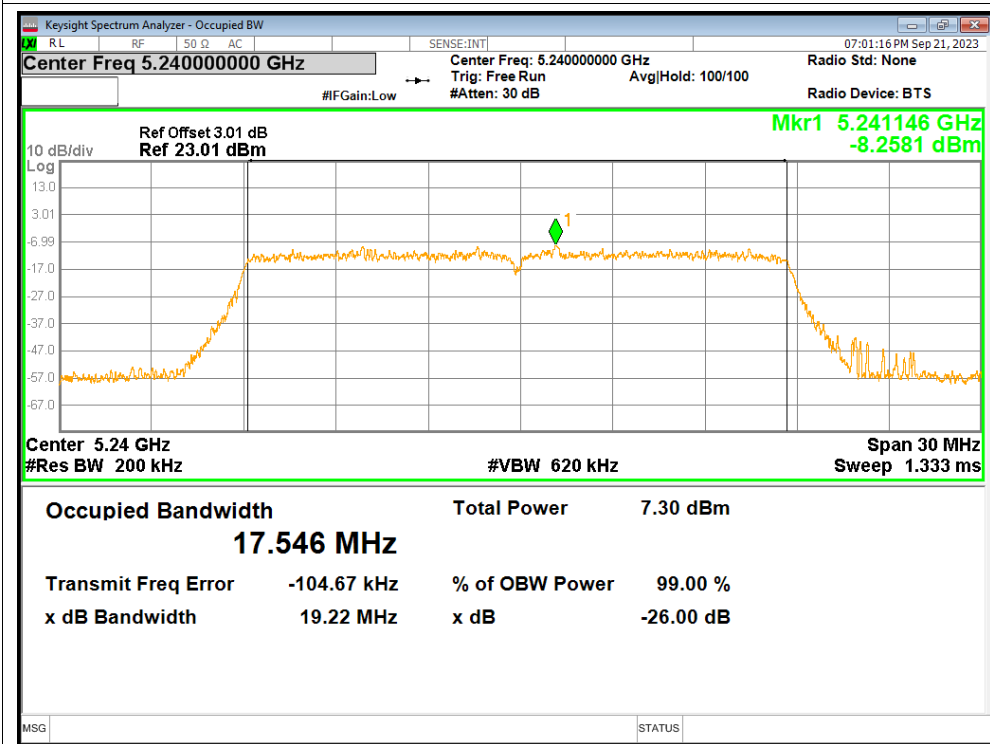
OBW NVNT n20 5180MHz Ant1



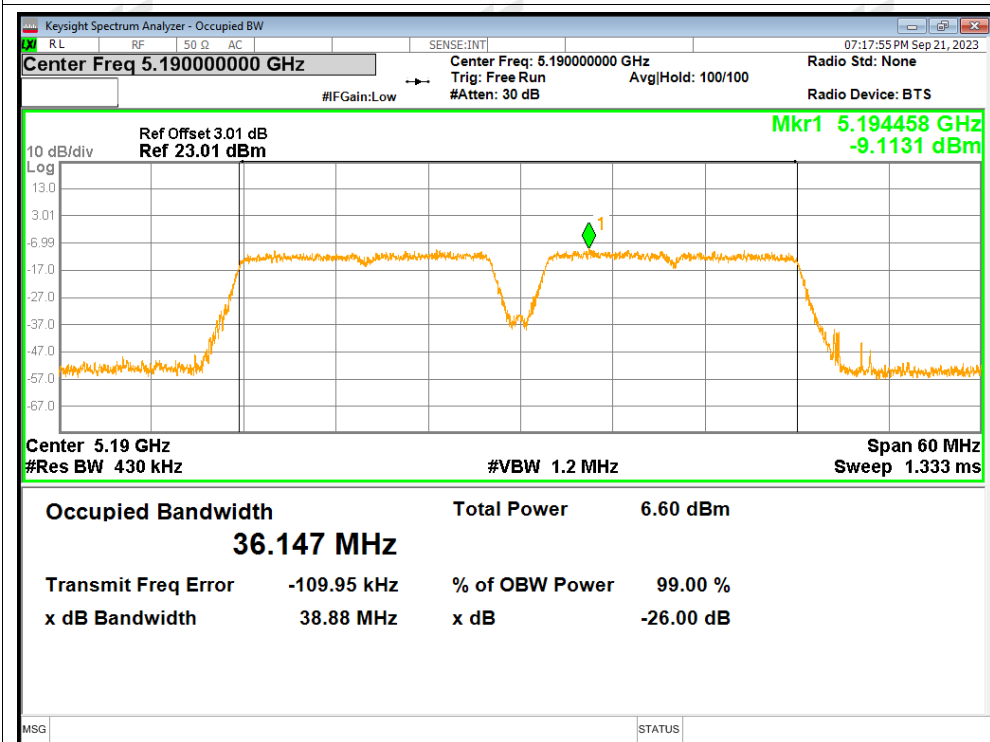
OBW NVNT n20 5200MHz Ant1



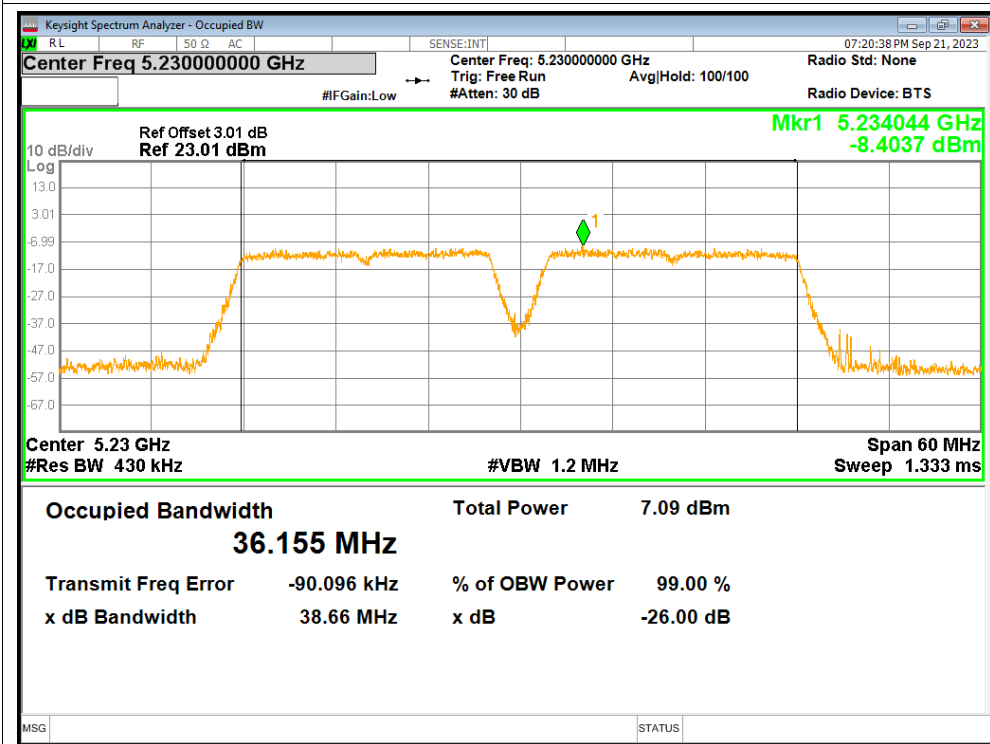
OBW NVNT n20 5240MHz Ant1



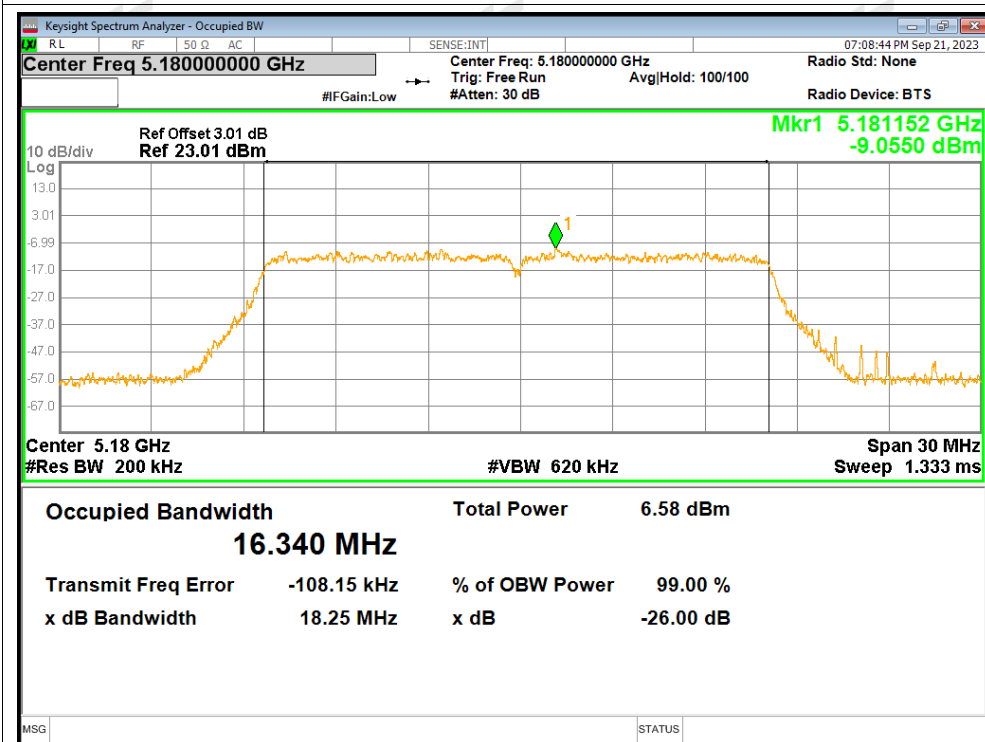
OBW NVNT n40 5190MHz Ant1



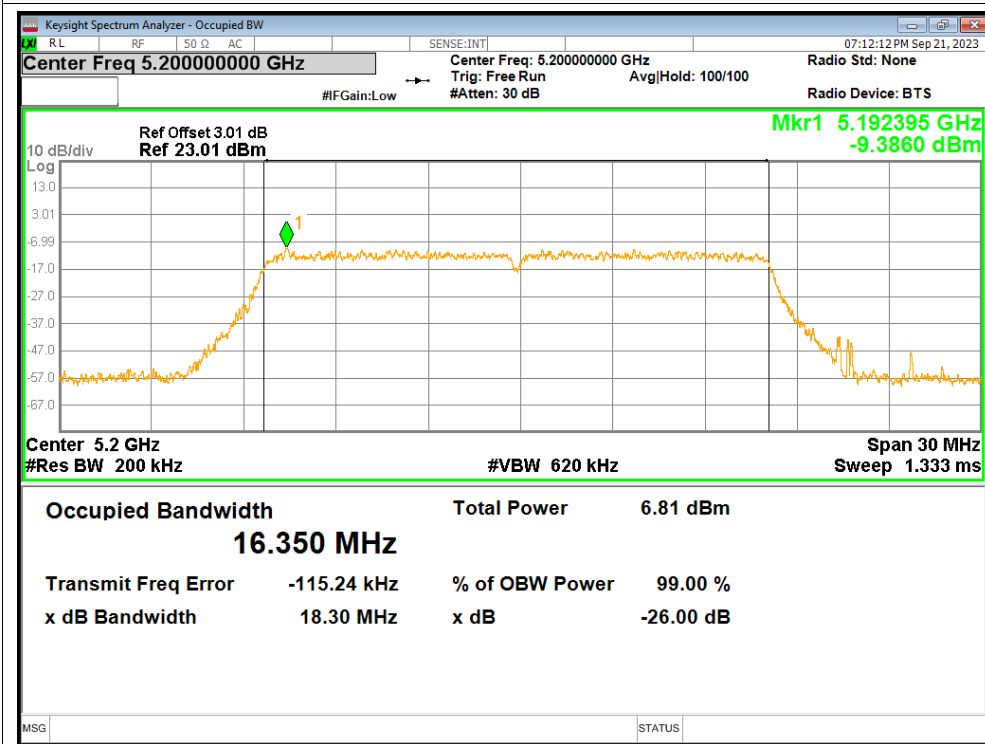
OBW NVNT n40 5230MHz Ant1



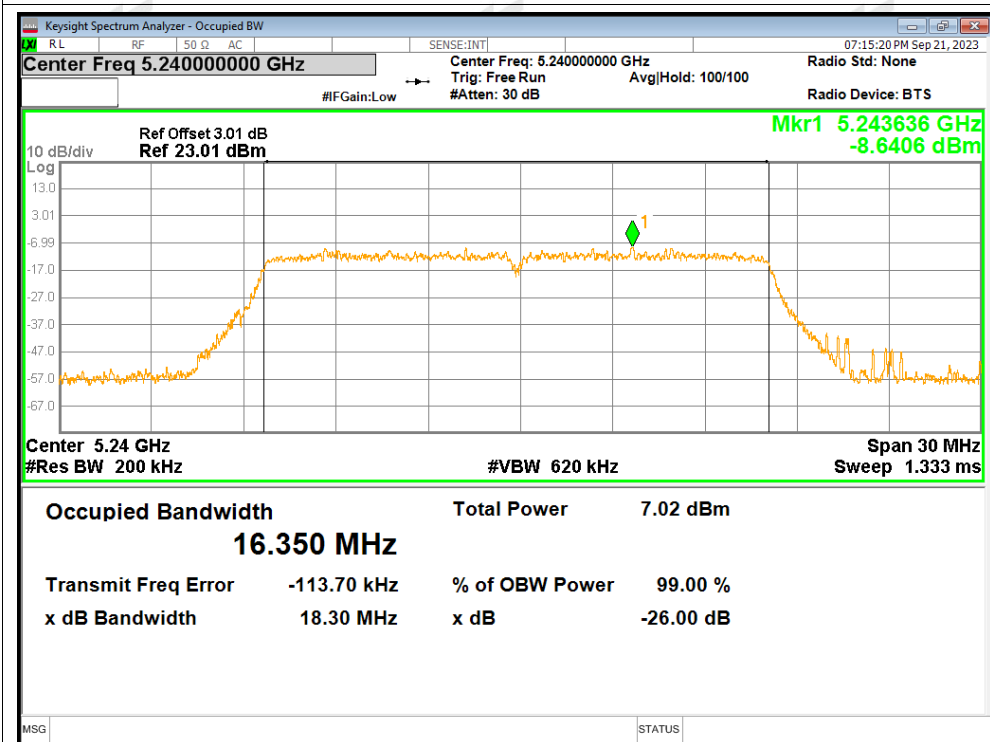
OBW NVNT ac20 5180MHz Ant1



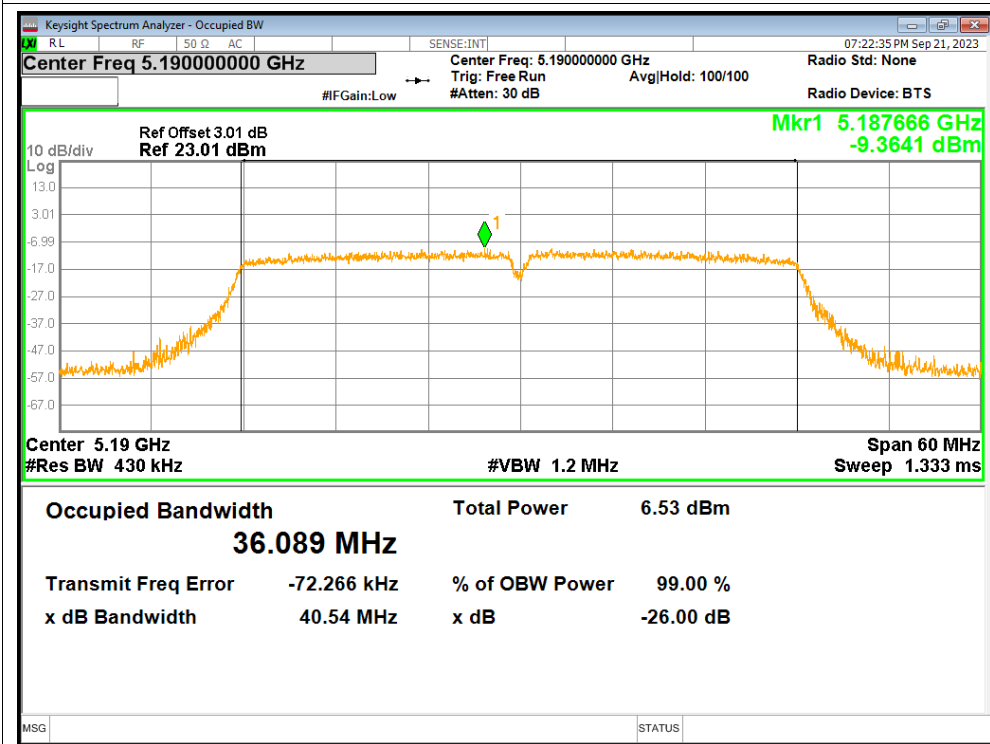
OBW NVNT ac20 5200MHz Ant1



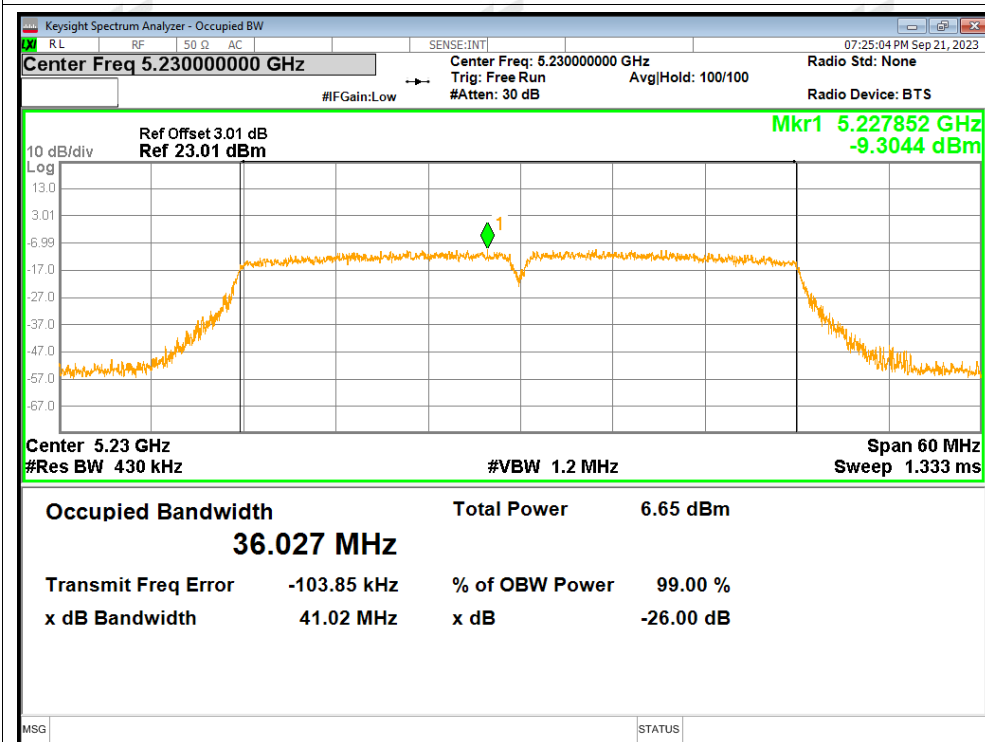
OBW NVNT ac20 5240MHz Ant1



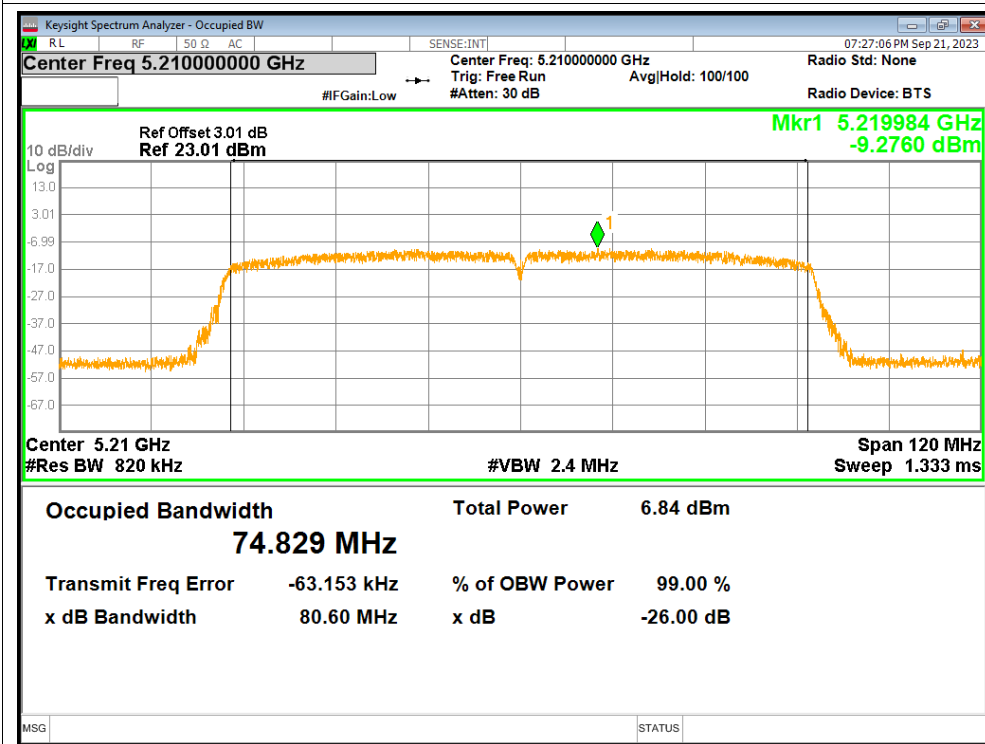
OBW NVNT ac40 5190MHz Ant1



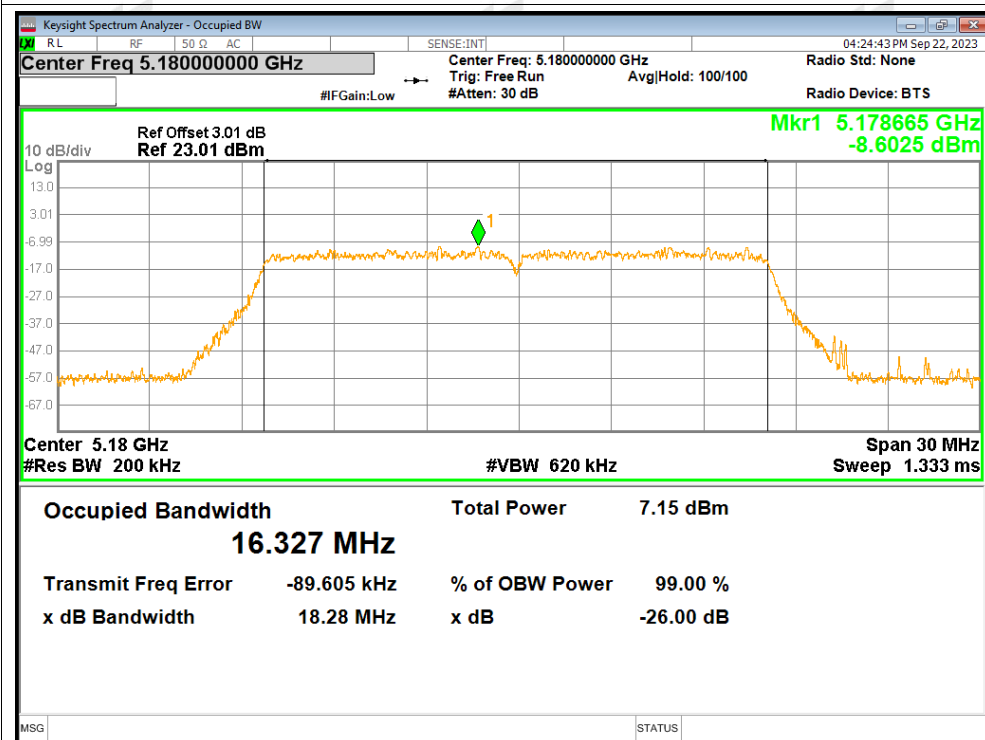
OBW NVNT ac40 5230MHz Ant1



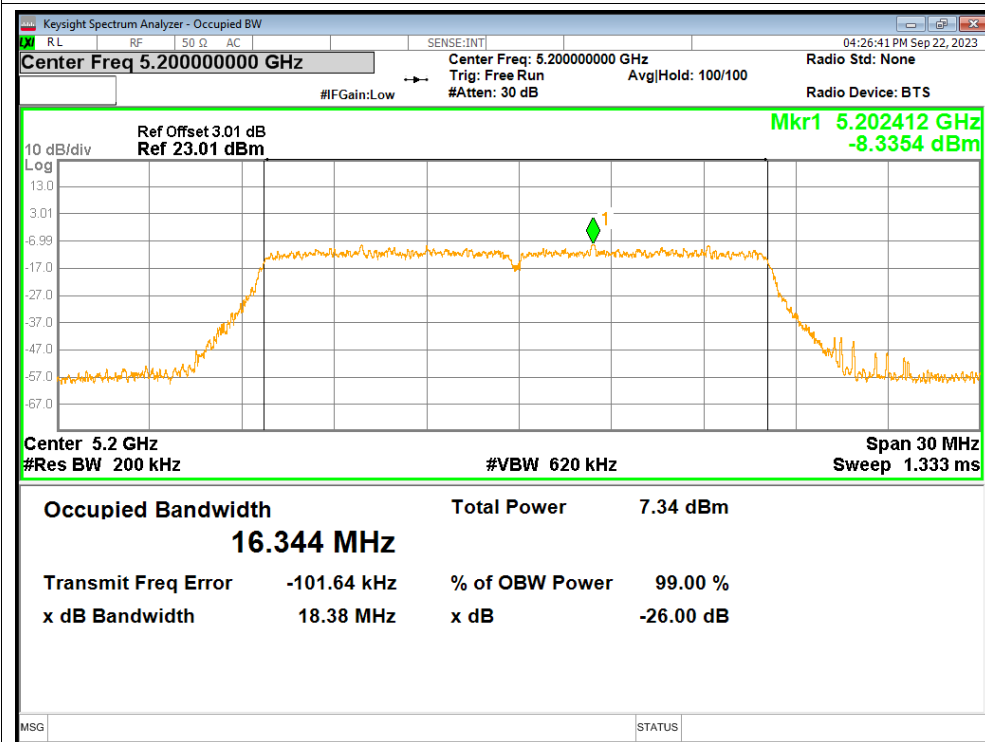
OBW NVNT ac80 5210MHz Ant1



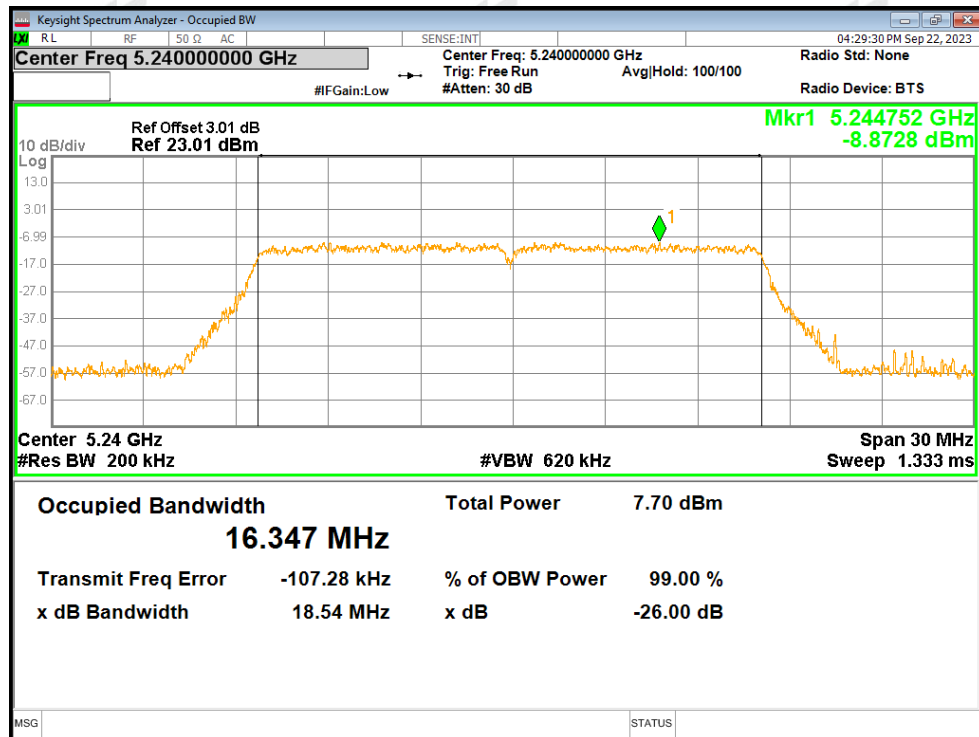
OBW NVNT a 5180MHz Ant2



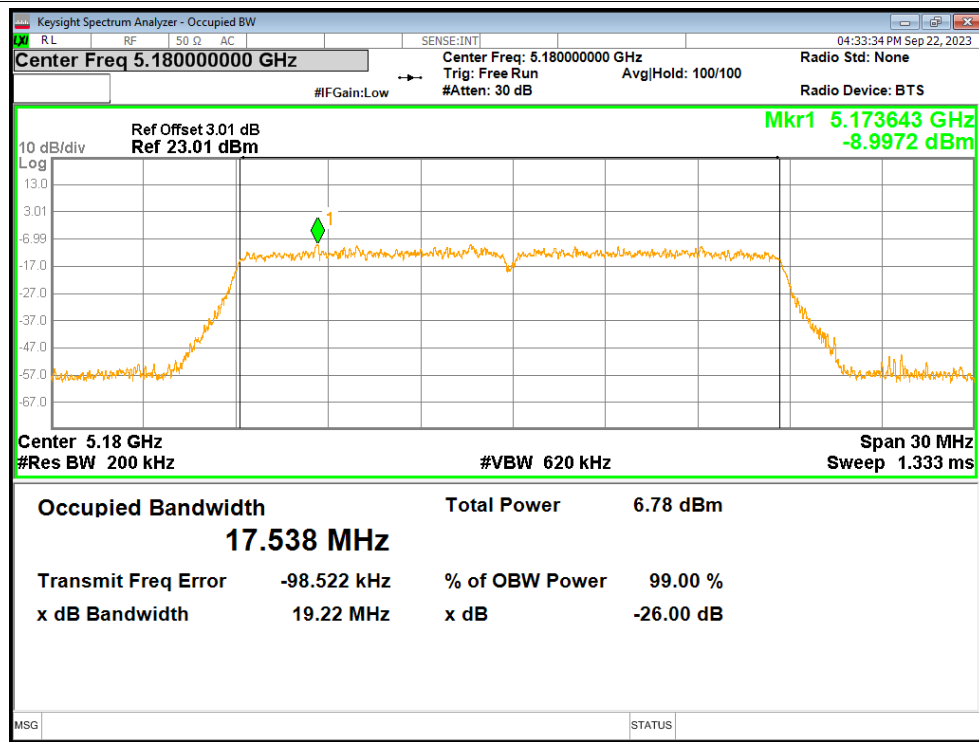
OBW NVNT a 5200MHz Ant2



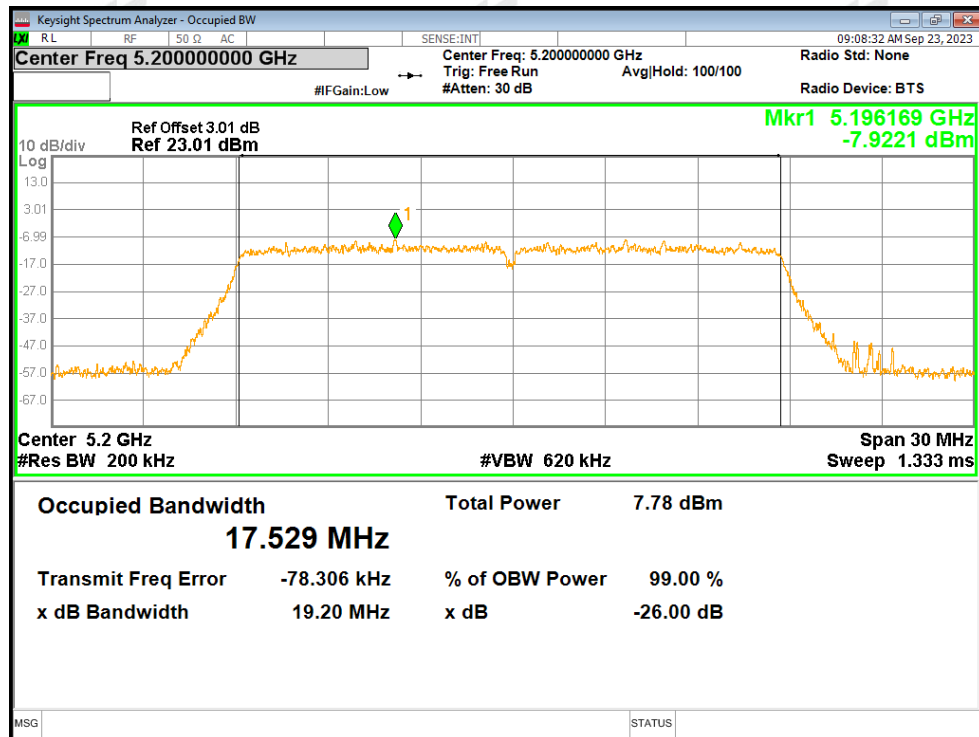
OBW NVNT a 5240MHz Ant2



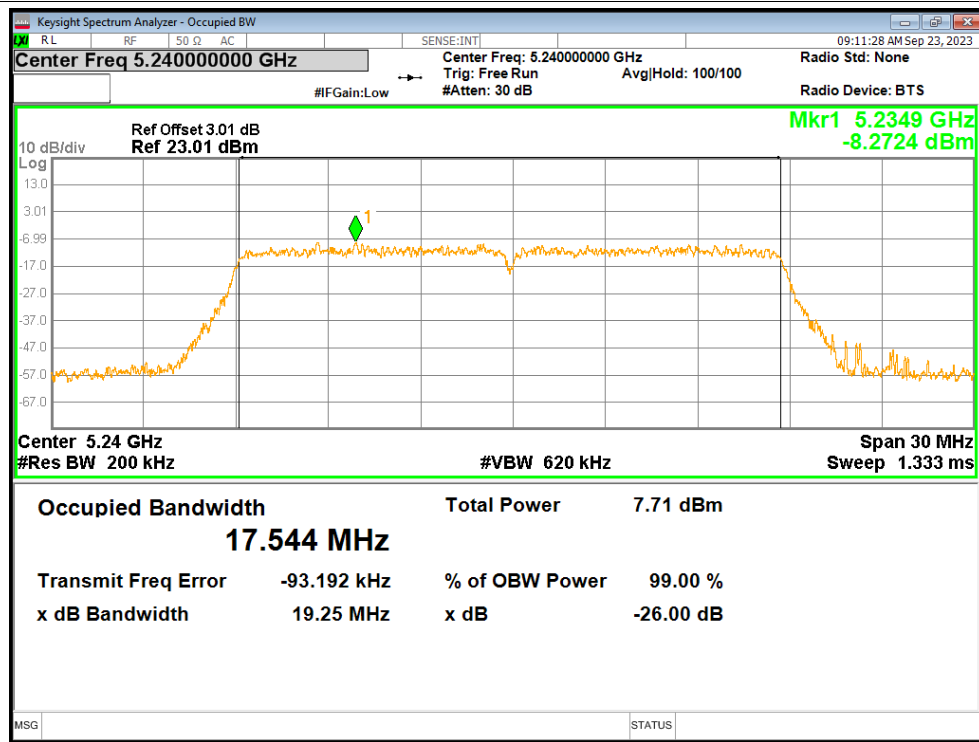
OBW NVNT n20 5180MHz Ant2



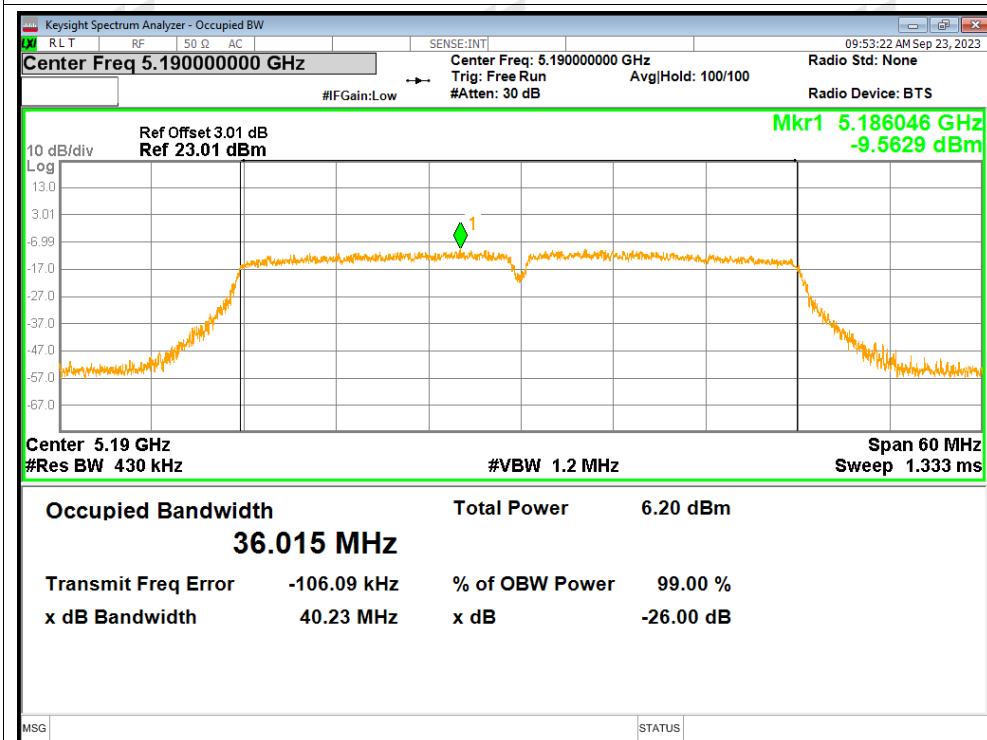
OBW NVNT n20 5200MHz Ant2



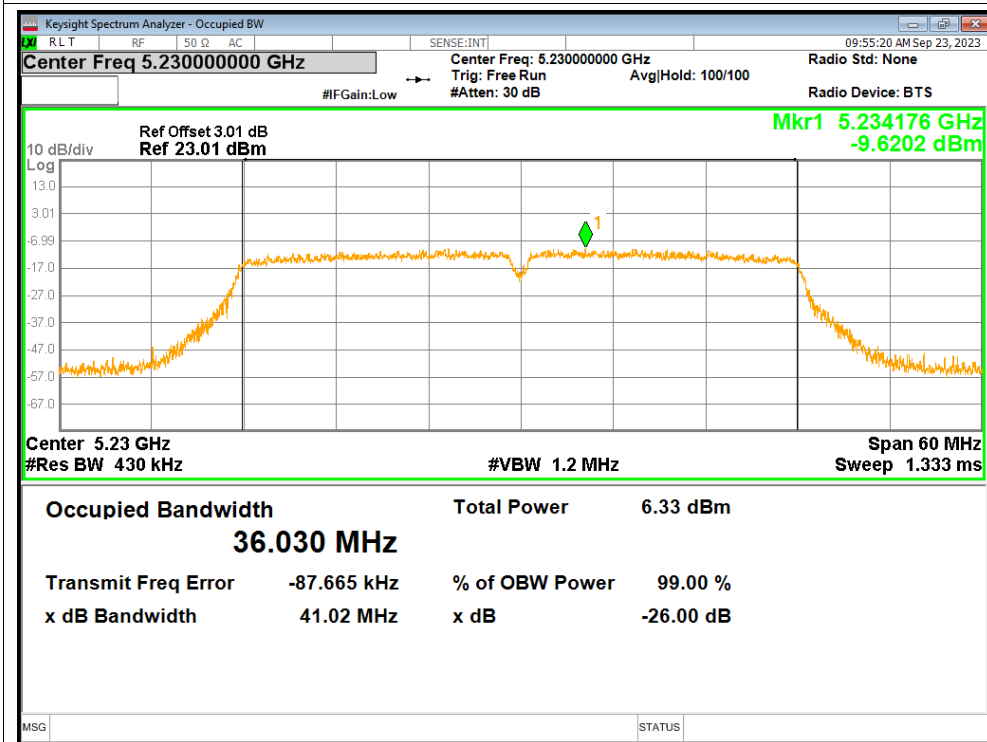
OBW NVNT n20 5240MHz Ant2



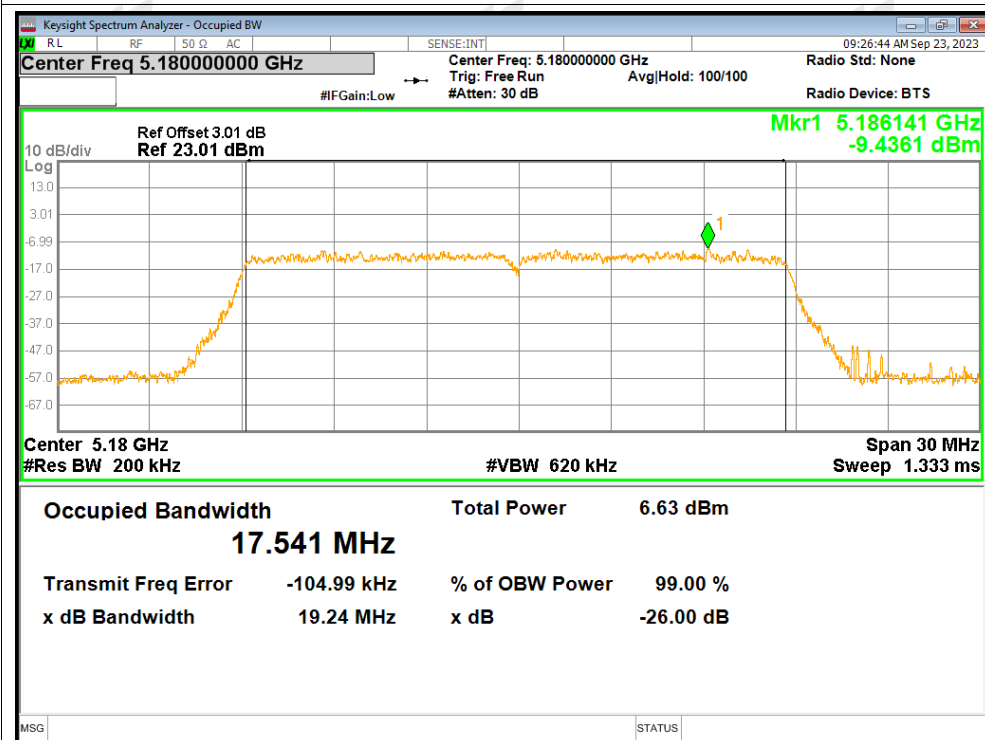
OBW NVNT n40 5190MHz Ant2



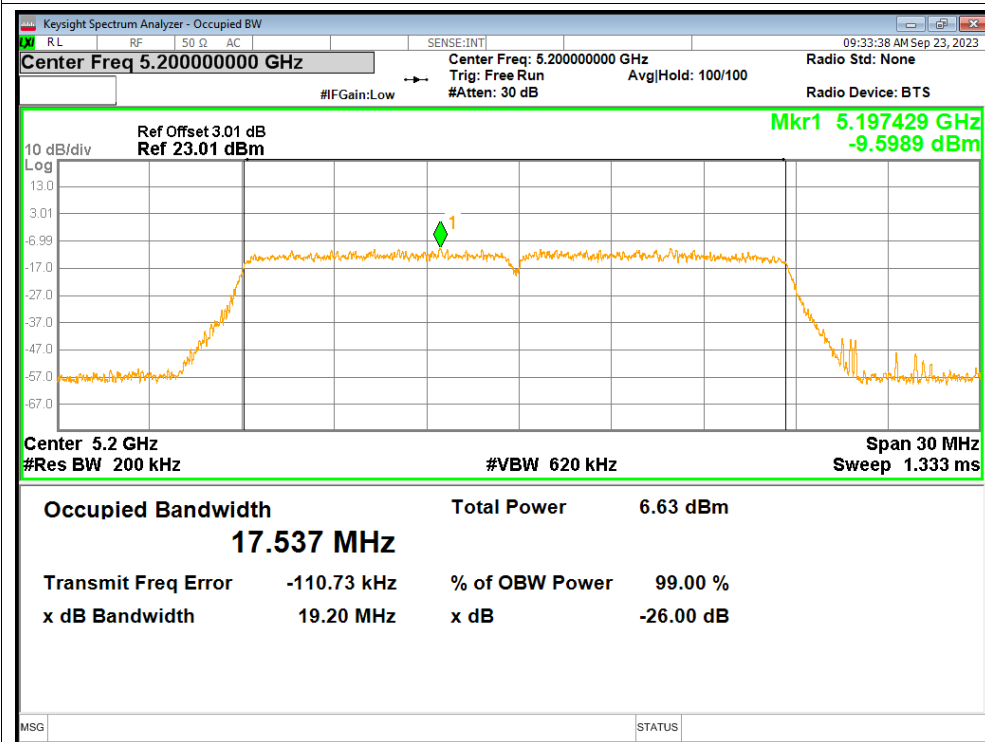
OBW NVNT n40 5230MHz Ant2



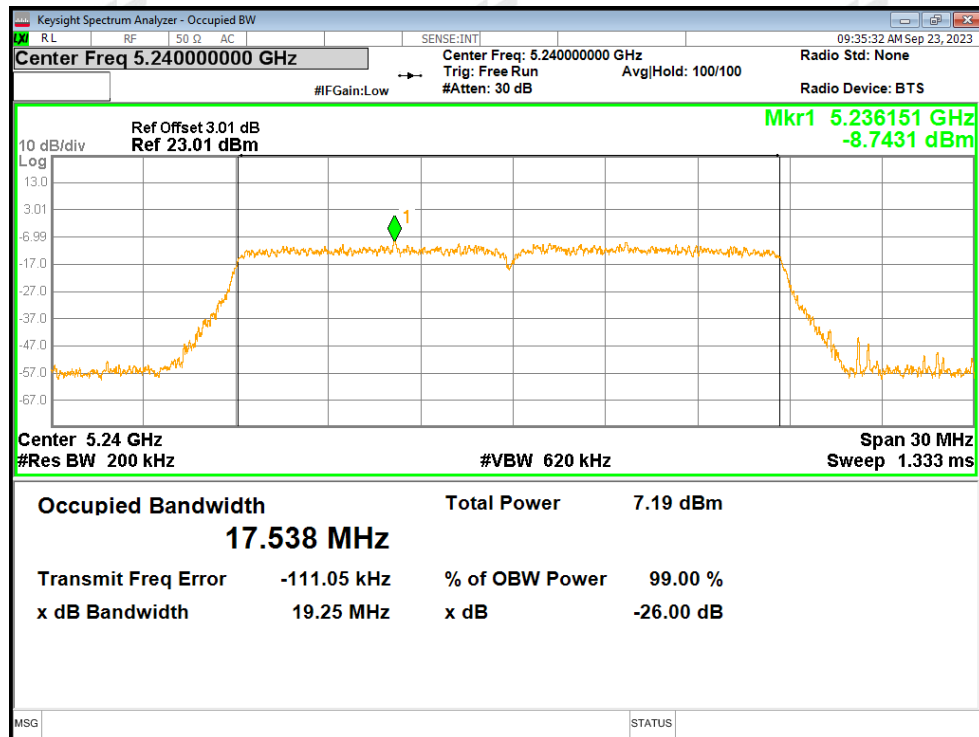
OBW NVNT ac20 5180MHz Ant2



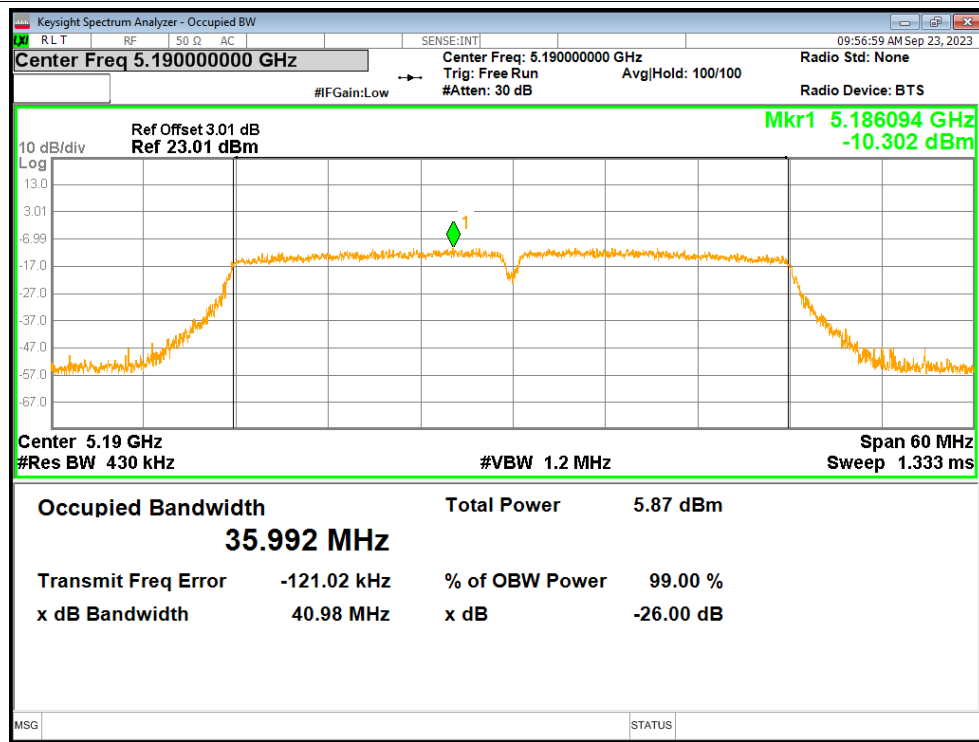
OBW NVNT ac20 5200MHz Ant2



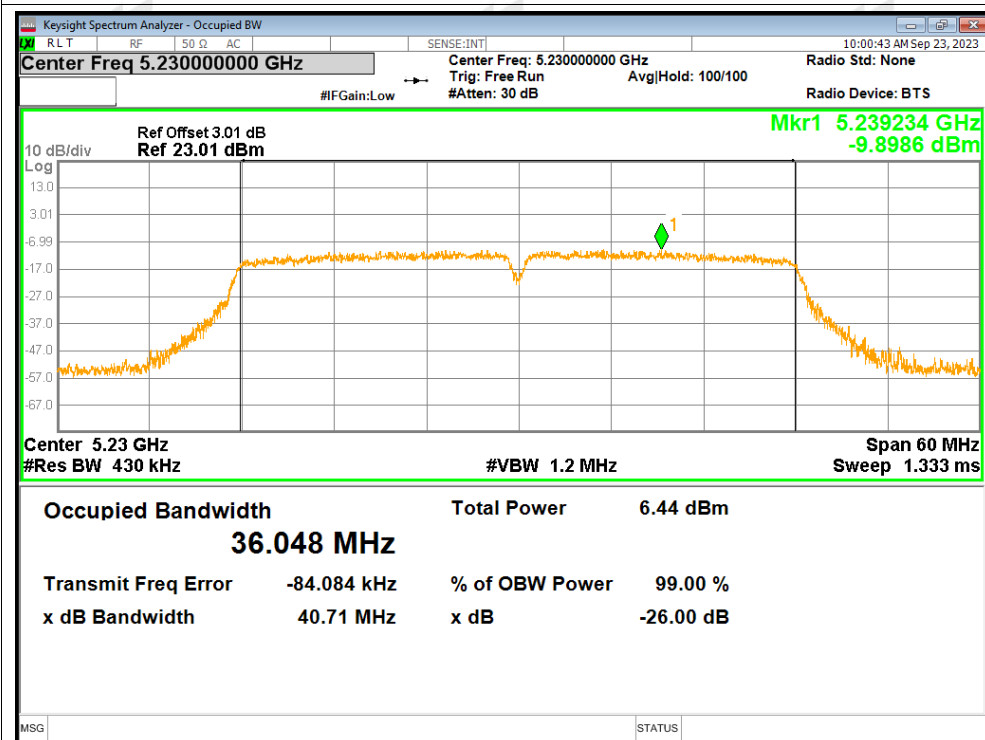
OBW NVNT ac20 5240MHz Ant2



OBW NVNT ac40 5190MHz Ant2



OBW NVNT ac40 5230MHz Ant2



OBW NVNT ac80 5210MHz Ant2

