

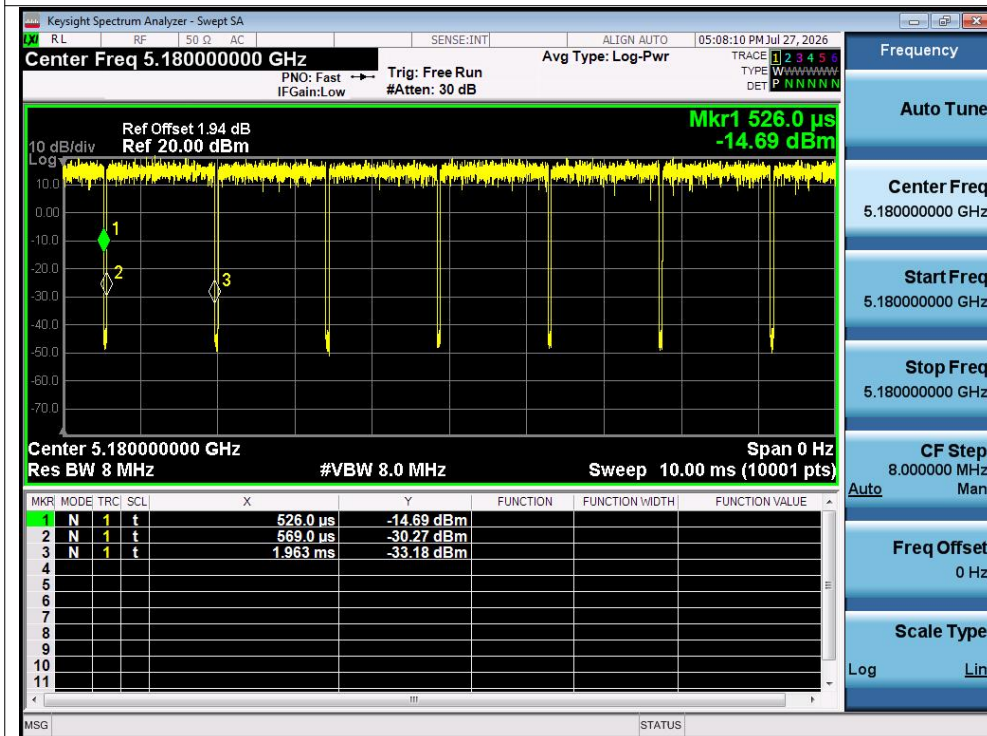
Appendix F_5.1G WIFI

Duty Cycle

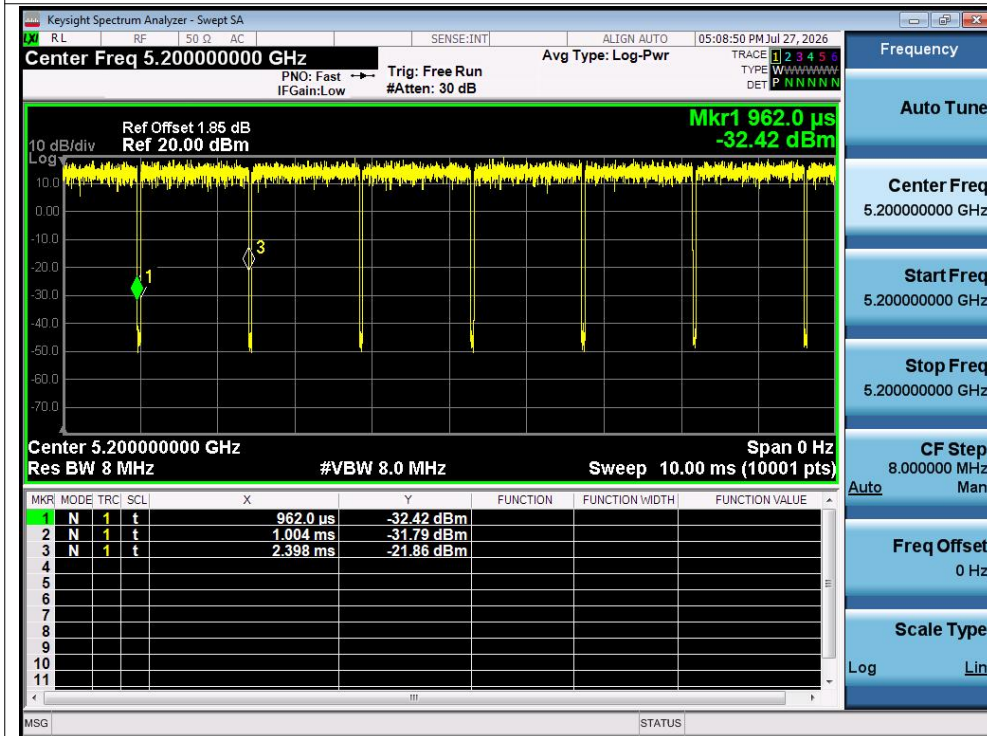
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.01	0.13	0.72
NVNT	a	5200	Ant1	97.08	0.13	0.72
NVNT	a	5240	Ant1	97.01	0.13	0.72
NVNT	n20	5180	Ant1	96.8	0.14	0.77
NVNT	n20	5200	Ant1	96.73	0.14	0.77
NVNT	n20	5240	Ant1	96.88	0.14	0.77
NVNT	ac20	5180	Ant1	96.9	0.14	0.76
NVNT	ac20	5200	Ant1	96.83	0.14	0.76
NVNT	ac20	5240	Ant1	96.76	0.14	0.76

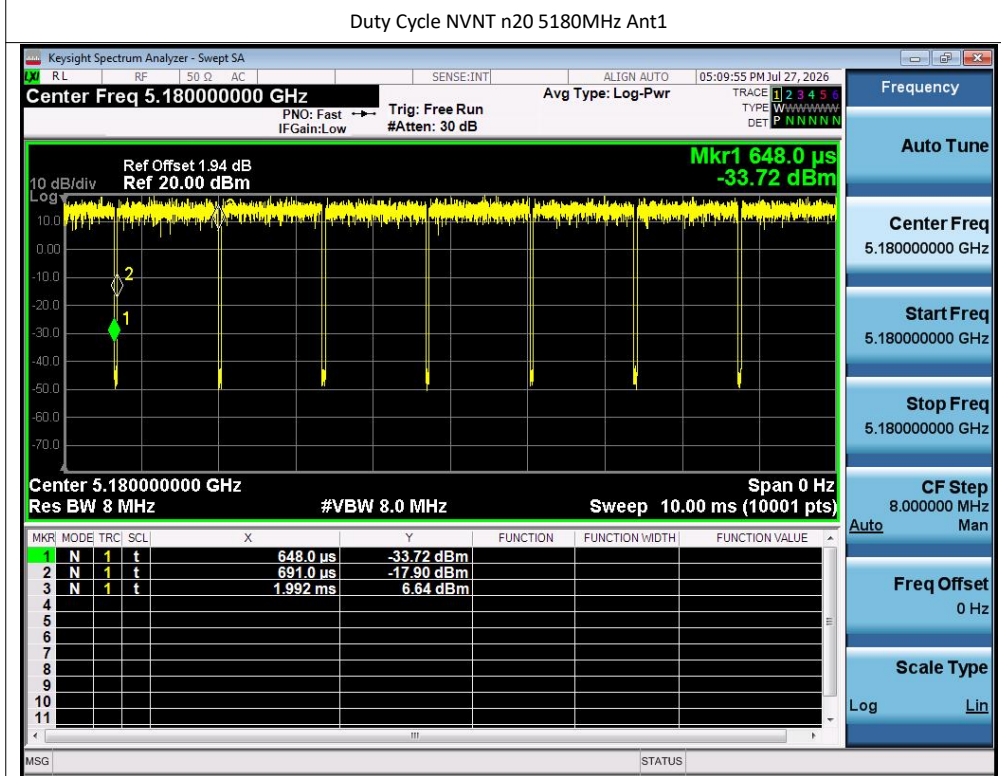
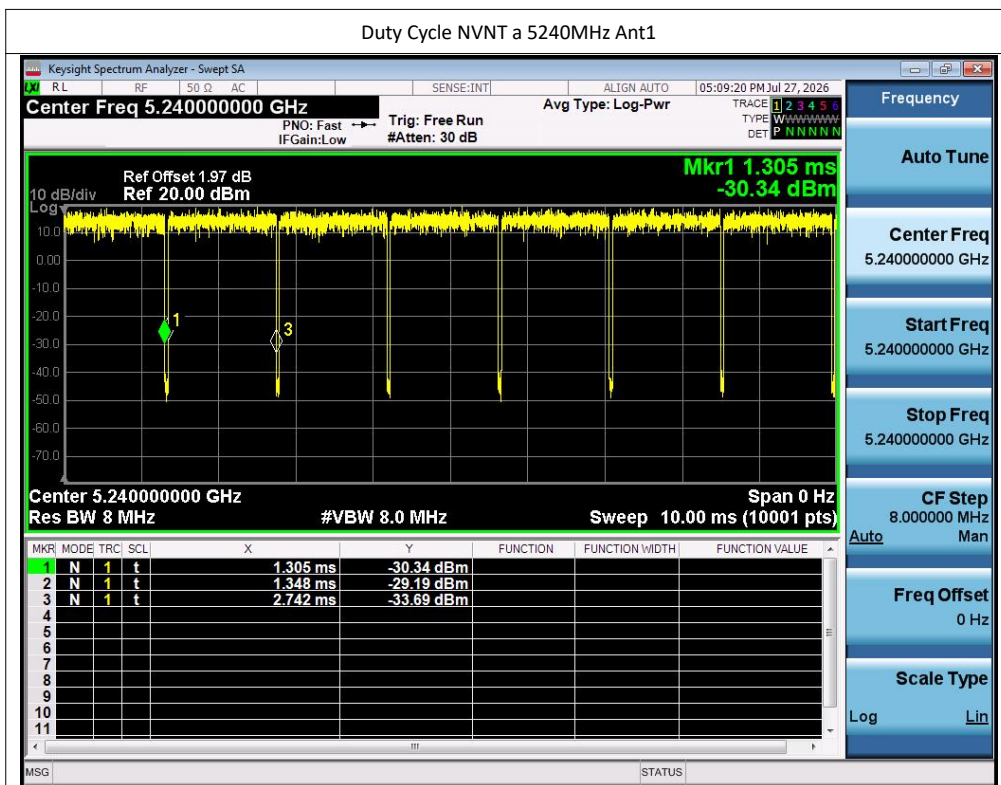
Test Graphs

Duty Cycle NVNT a 5180MHz Ant1

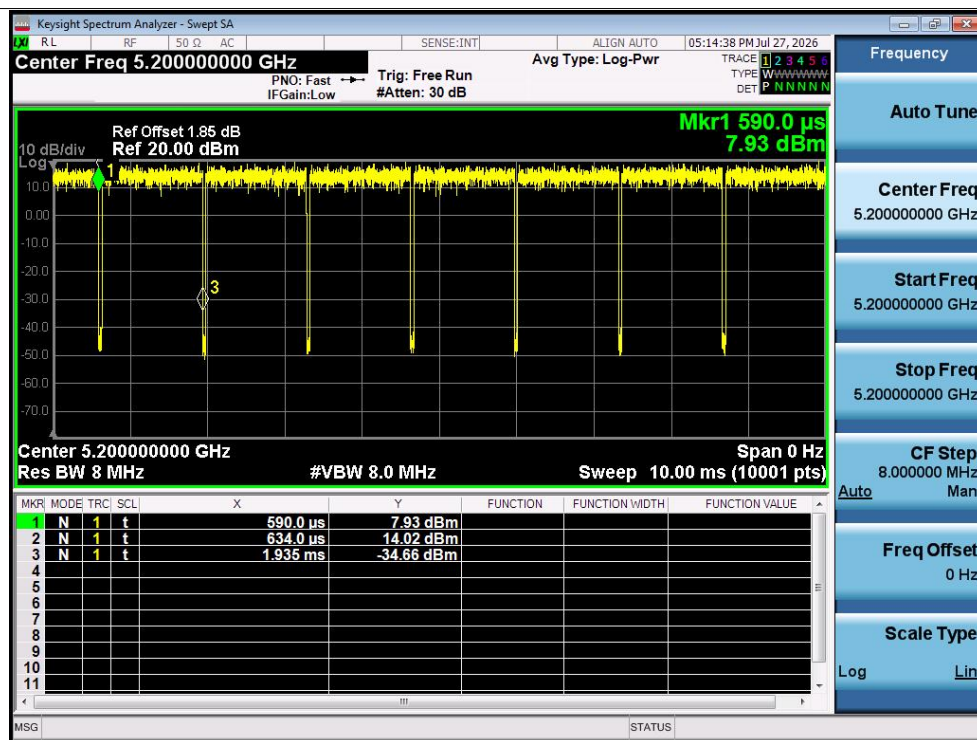


Duty Cycle NVNT a 5200MHz Ant1

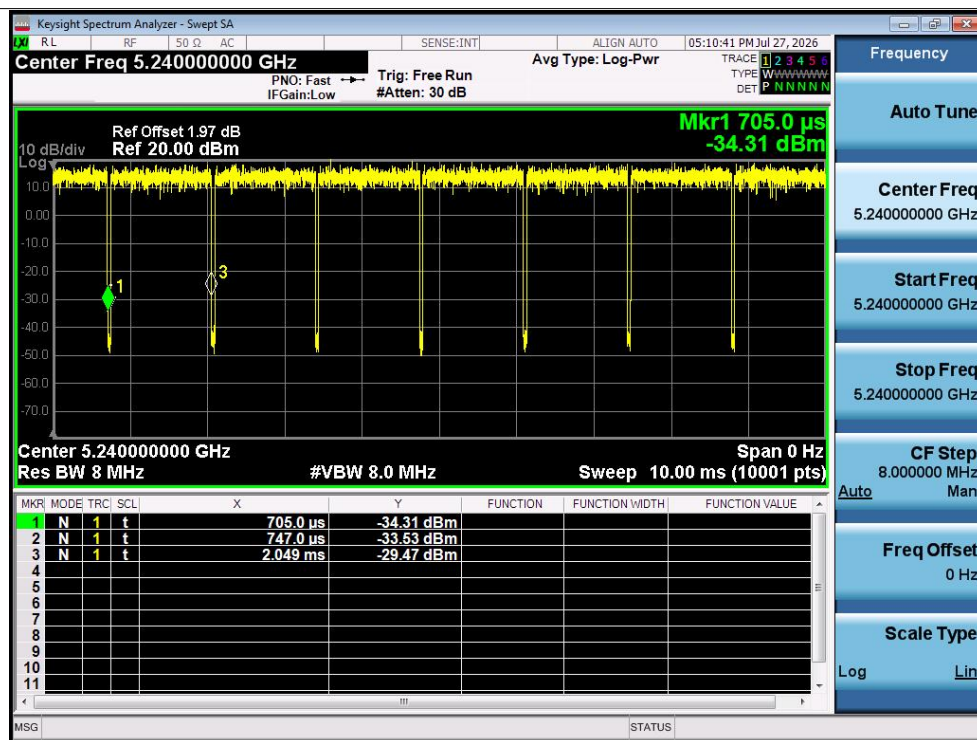




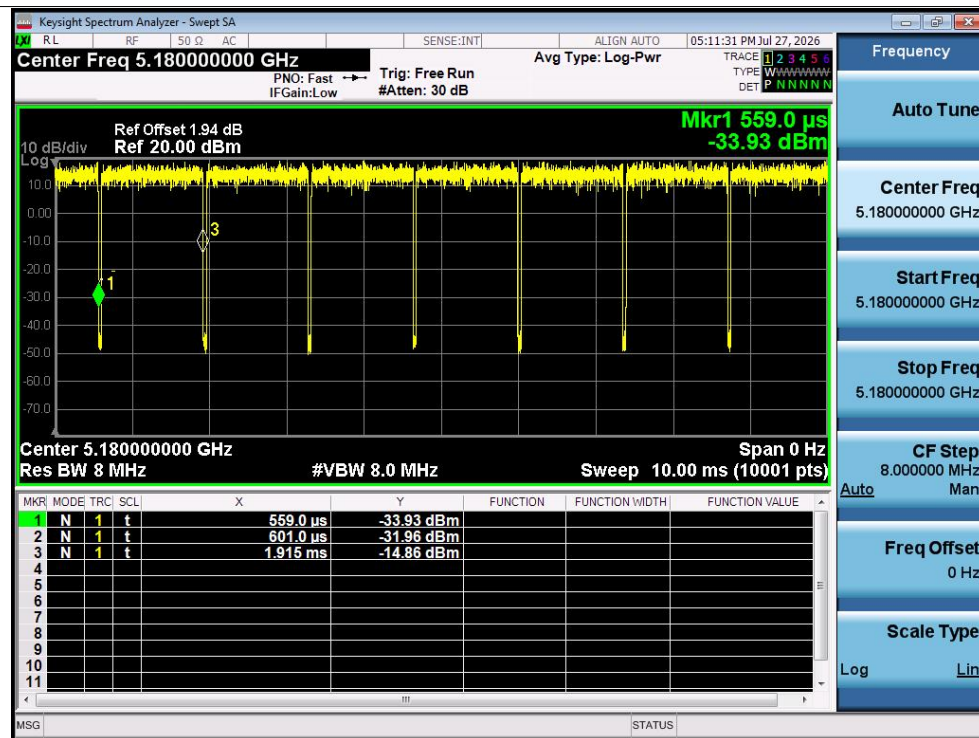
Duty Cycle NVNT n20 5200MHz Ant1



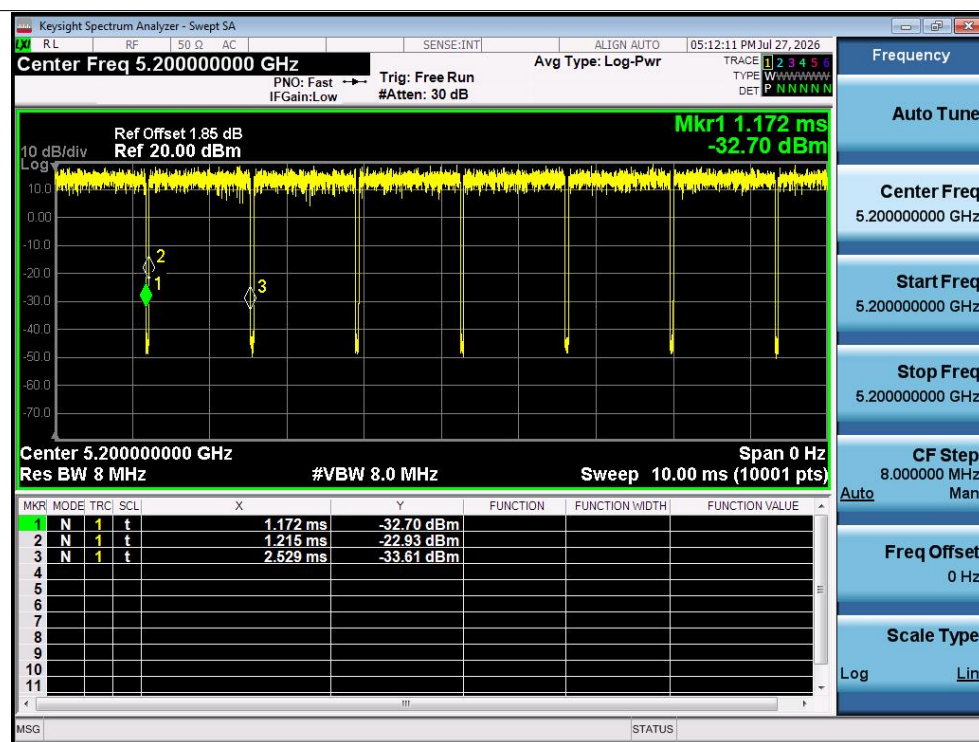
Duty Cycle NVNT n20 5240MHz Ant1

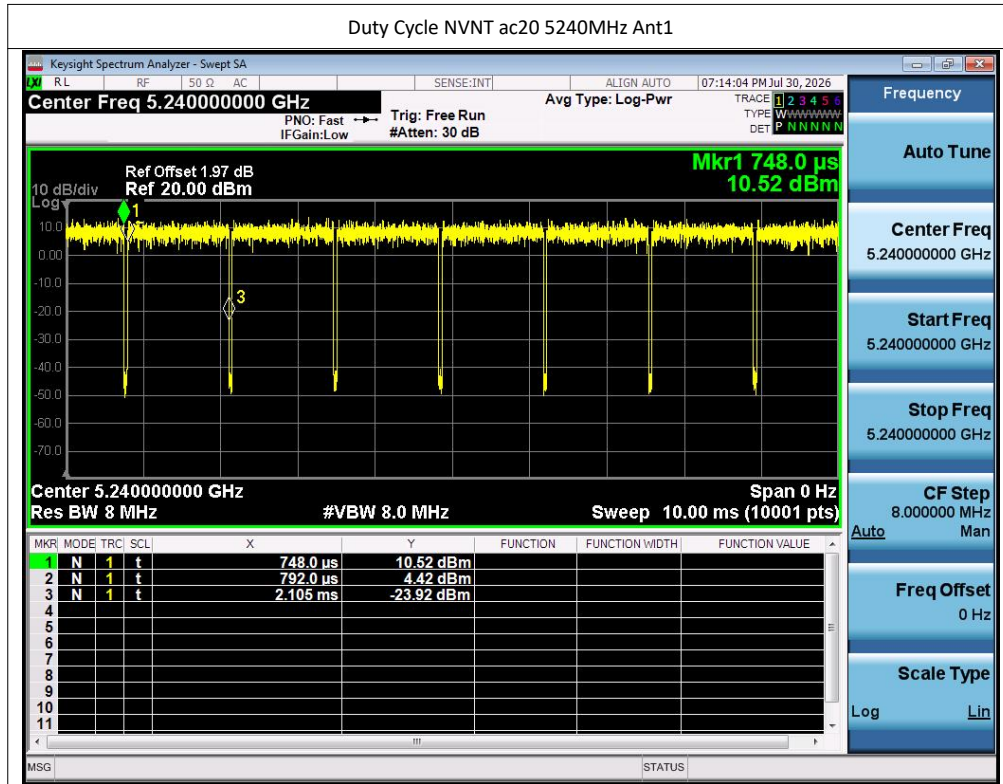


Duty Cycle NVNT ac20 5180MHz Ant1



Duty Cycle NVNT ac20 5200MHz Ant1



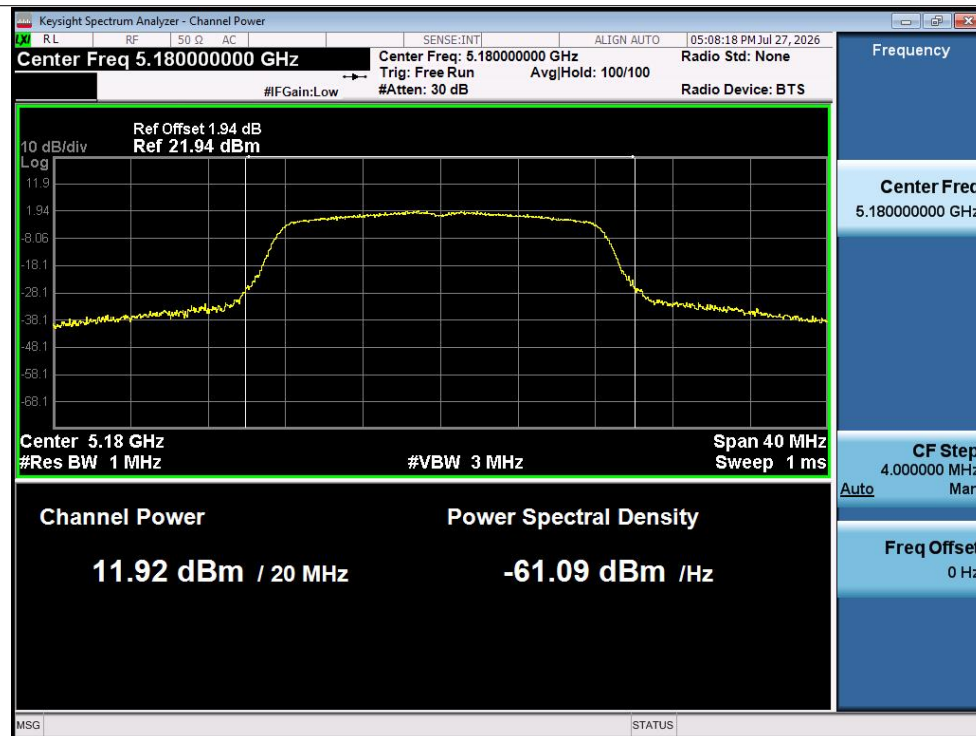


Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.92	0.13	12.05	24	Pass
NVNT	a	5200	Ant1	12.21	0.13	12.34	24	Pass
NVNT	a	5240	Ant1	12.27	0.13	12.4	24	Pass
NVNT	n20	5180	Ant1	12.25	0.14	12.39	24	Pass
NVNT	n20	5200	Ant1	11.98	0.14	12.12	24	Pass
NVNT	n20	5240	Ant1	12.16	0.14	12.3	24	Pass
NVNT	ac20	5180	Ant1	12.23	0.14	12.37	24	Pass
NVNT	ac20	5200	Ant1	12.03	0.14	12.17	24	Pass
NVNT	ac20	5240	Ant1	5.88	0.14	6.02	24	Pass

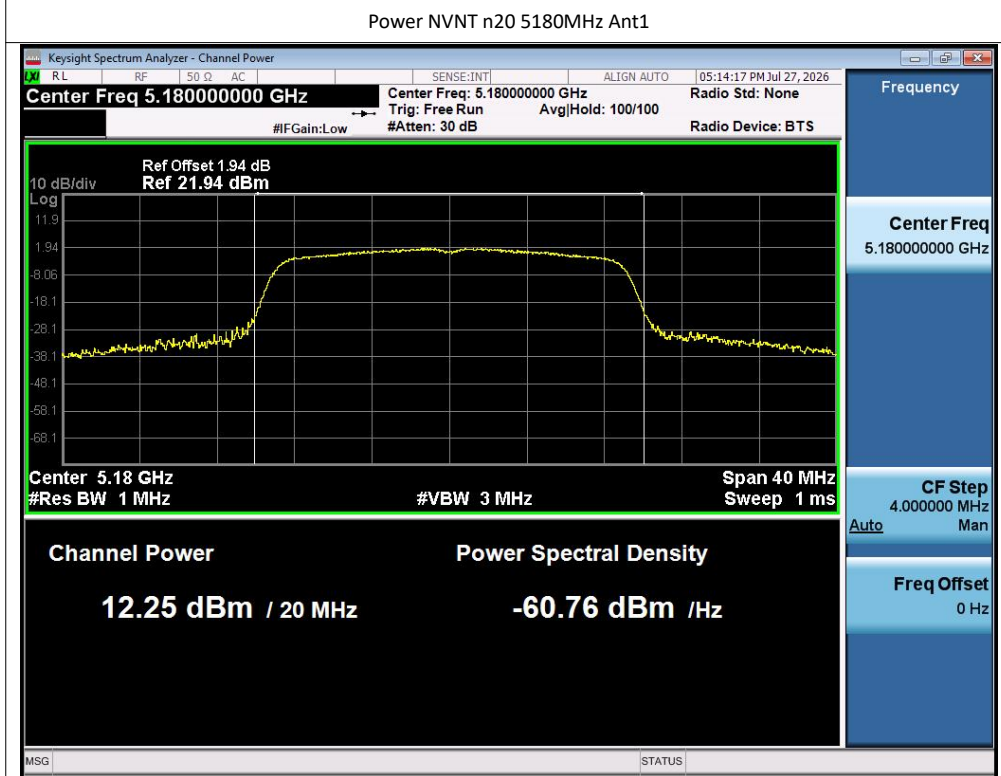
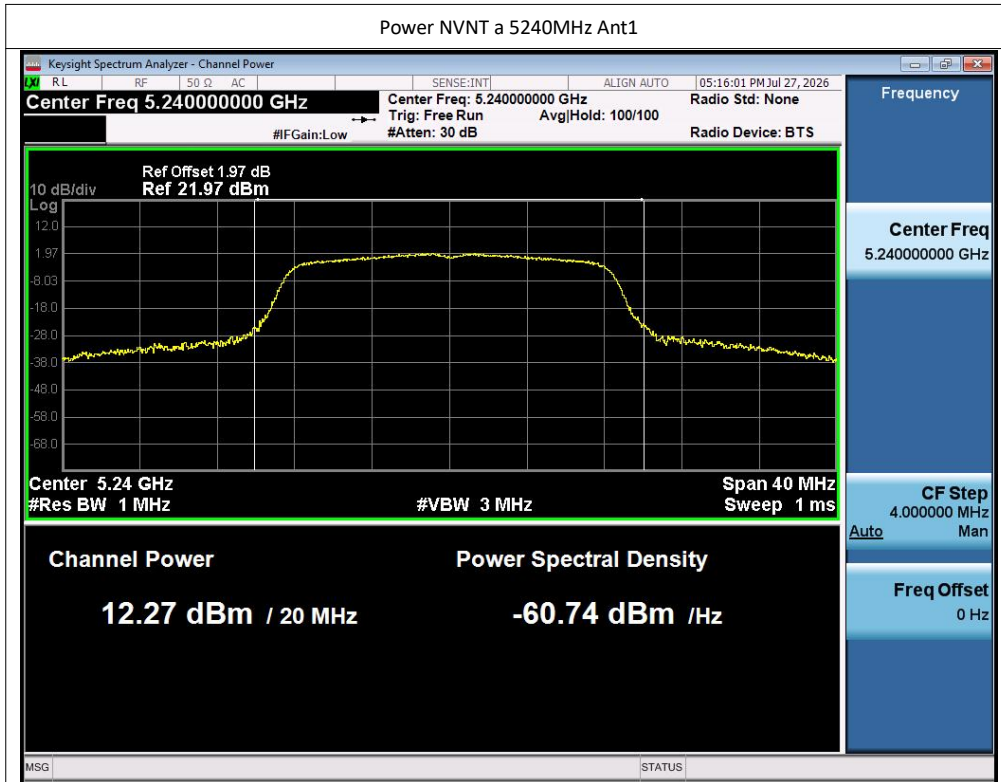
Test Graphs

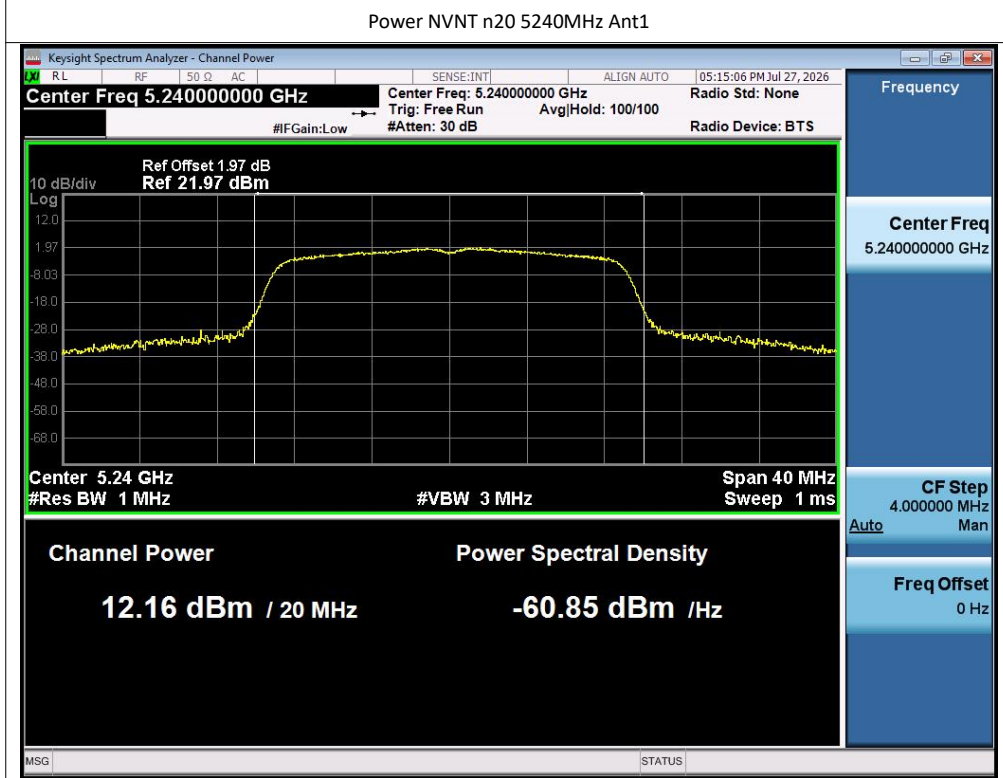
Power NVNT a 5180MHz Ant1



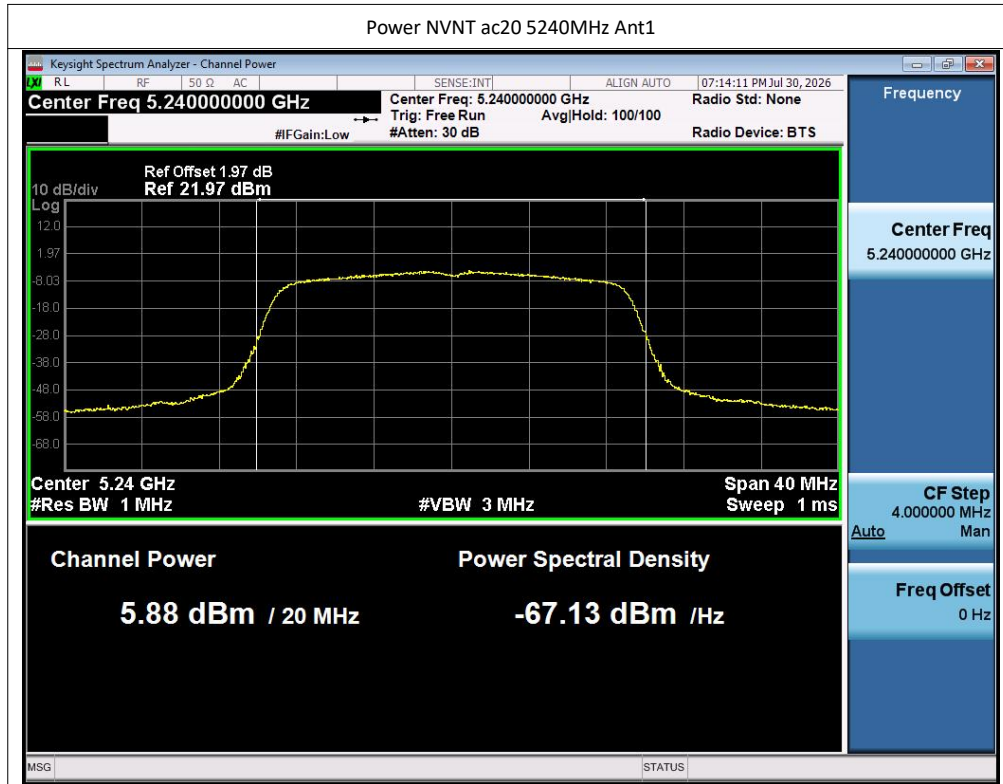
Power NVNT a 5200MHz Ant1











-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.97	0.5	Pass
NVNT	a	5200	Ant1	19.92	0.5	Pass
NVNT	a	5240	Ant1	20.07	0.5	Pass
NVNT	n20	5180	Ant1	20.23	0.5	Pass
NVNT	n20	5200	Ant1	20.16	0.5	Pass
NVNT	n20	5240	Ant1	20.39	0.5	Pass
NVNT	ac20	5180	Ant1	20.19	0.5	Pass
NVNT	ac20	5200	Ant1	20.12	0.5	Pass
NVNT	ac20	5240	Ant1	19.98	0.5	Pass

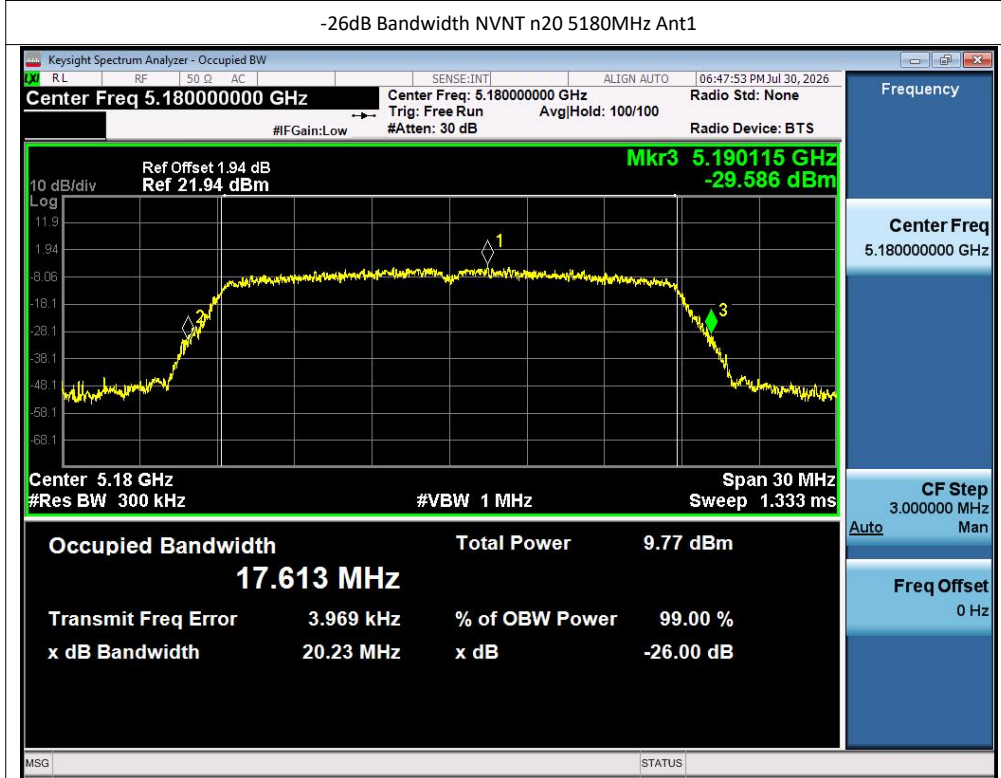
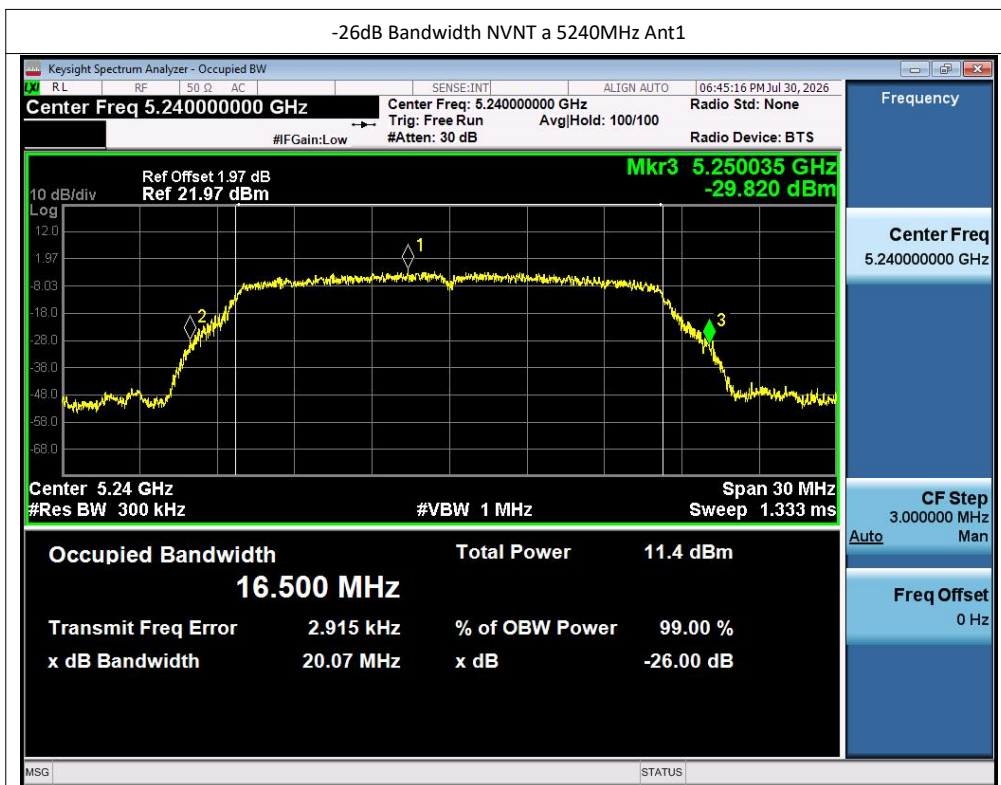
Test Graphs

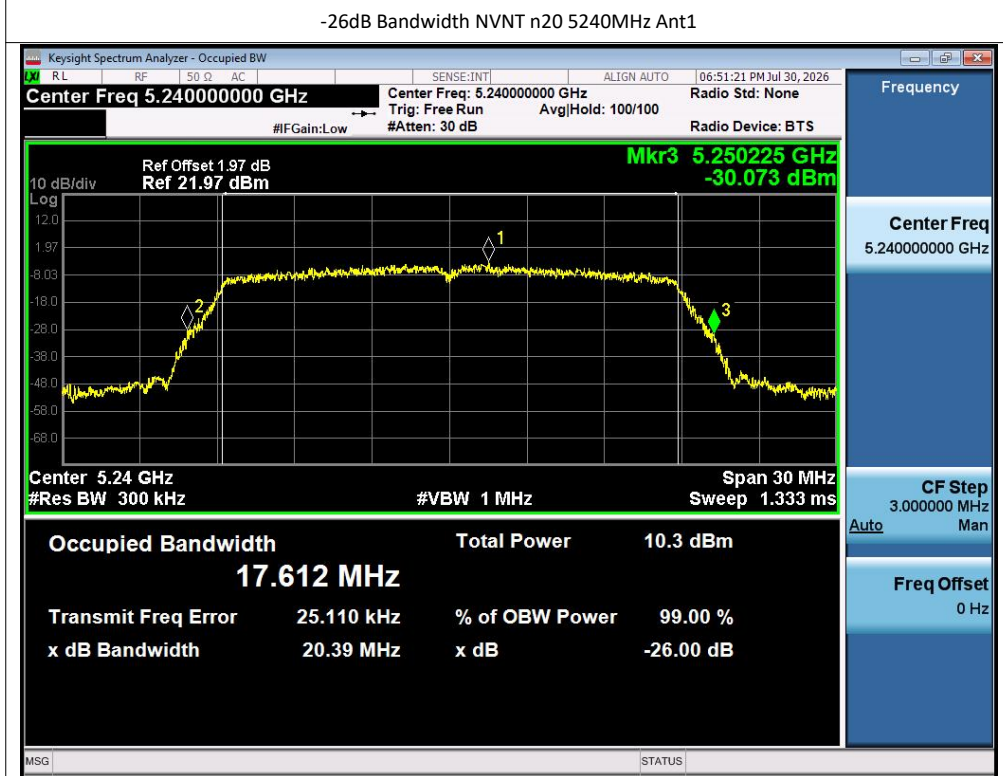
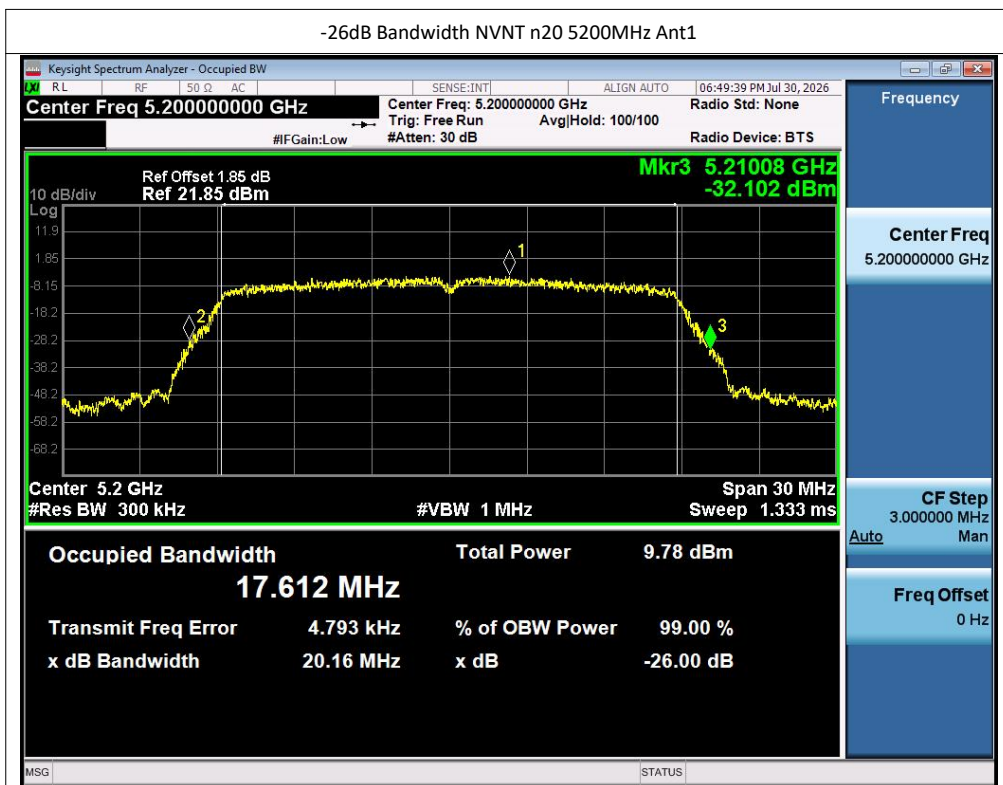
-26dB Bandwidth NVNT a 5180MHz Ant1

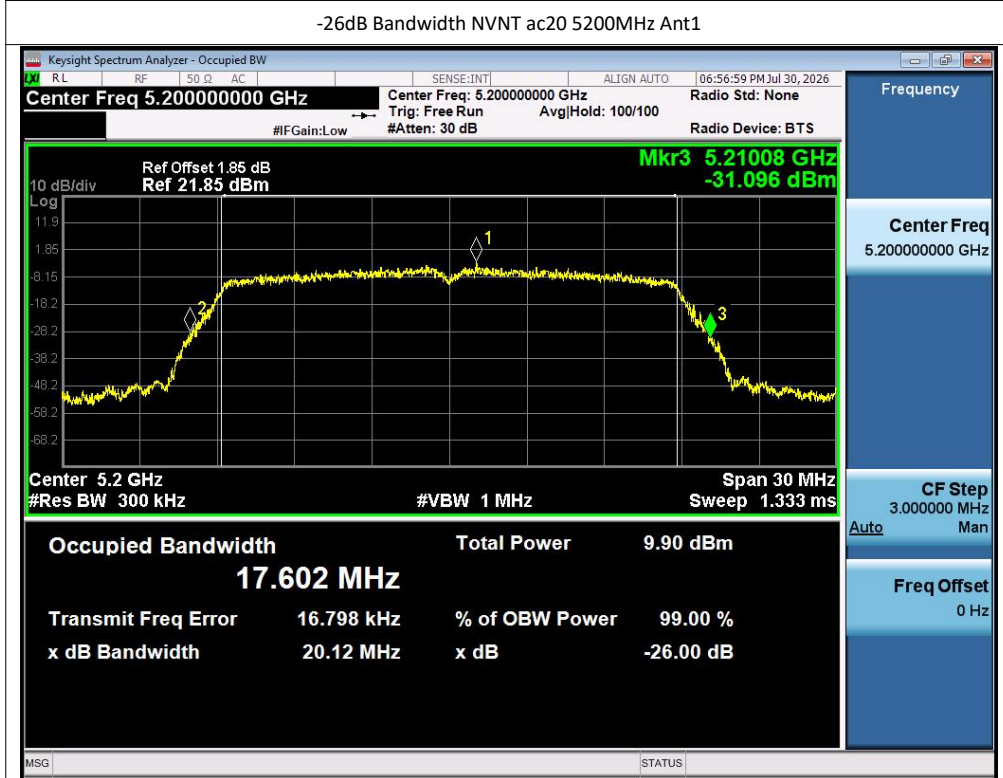
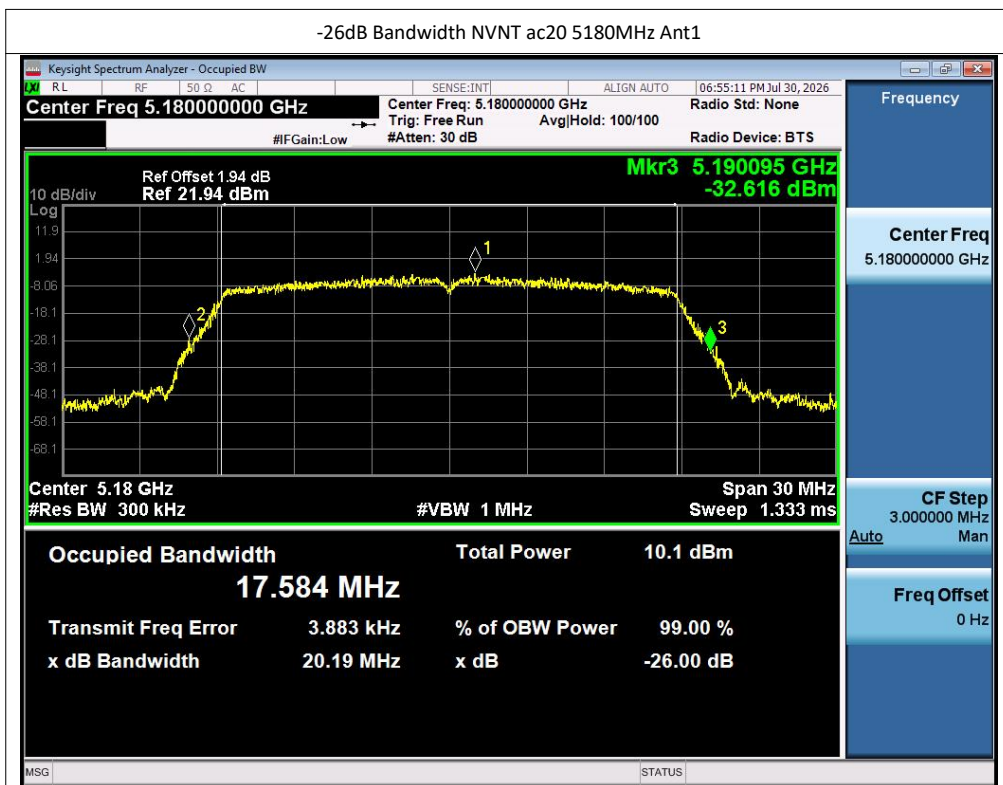


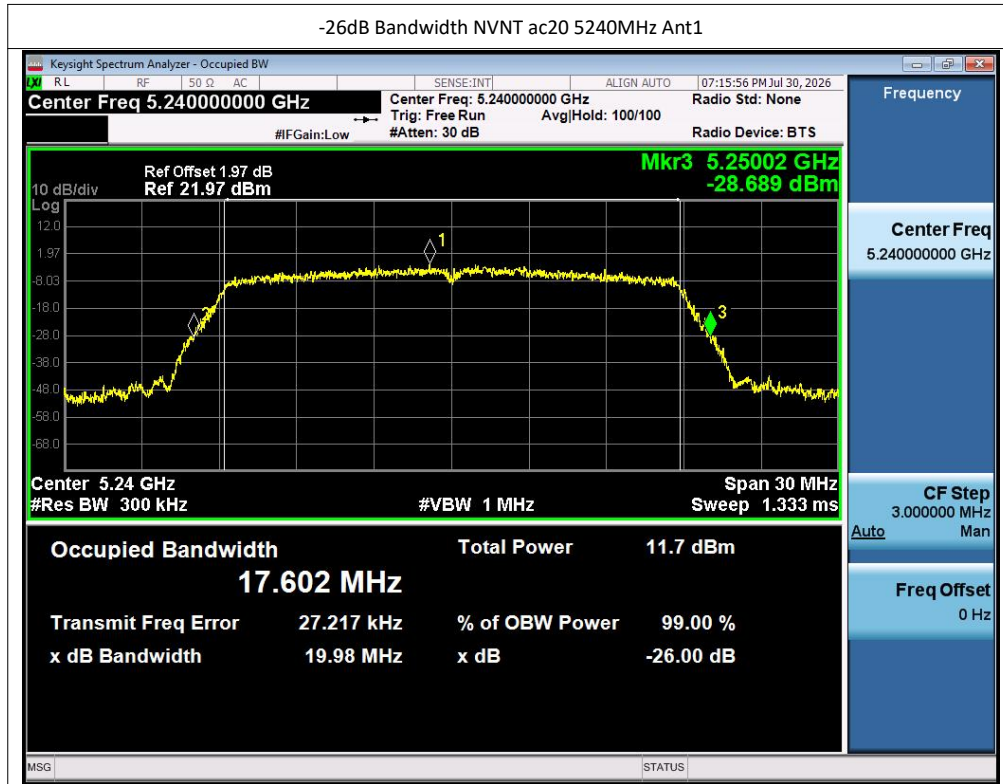
-26dB Bandwidth NVNT a 5200MHz Ant1











Occupied Channel Bandwidth

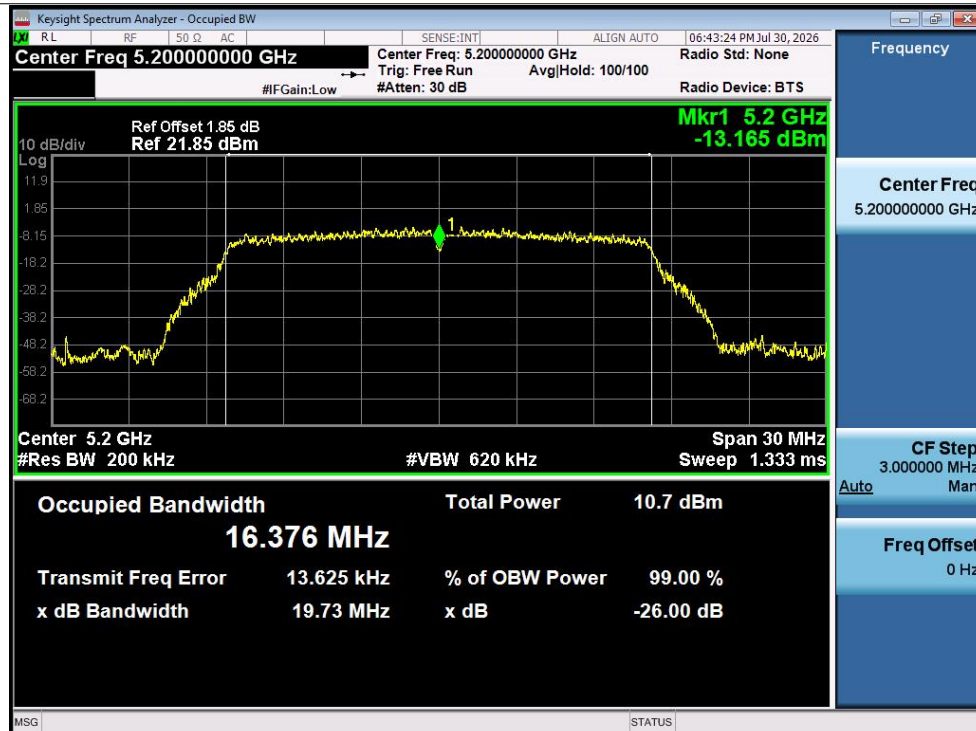
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.371
NVNT	a	5200	Ant1	16.376
NVNT	a	5240	Ant1	16.378
NVNT	n20	5180	Ant1	17.535
NVNT	n20	5200	Ant1	17.543
NVNT	n20	5240	Ant1	17.528
NVNT	ac20	5180	Ant1	17.499
NVNT	ac20	5200	Ant1	17.537
NVNT	ac20	5240	Ant1	17.528

Test Graphs

OBW NVNT a 5180MHz Ant1



OBW NVNT a 5200MHz Ant1

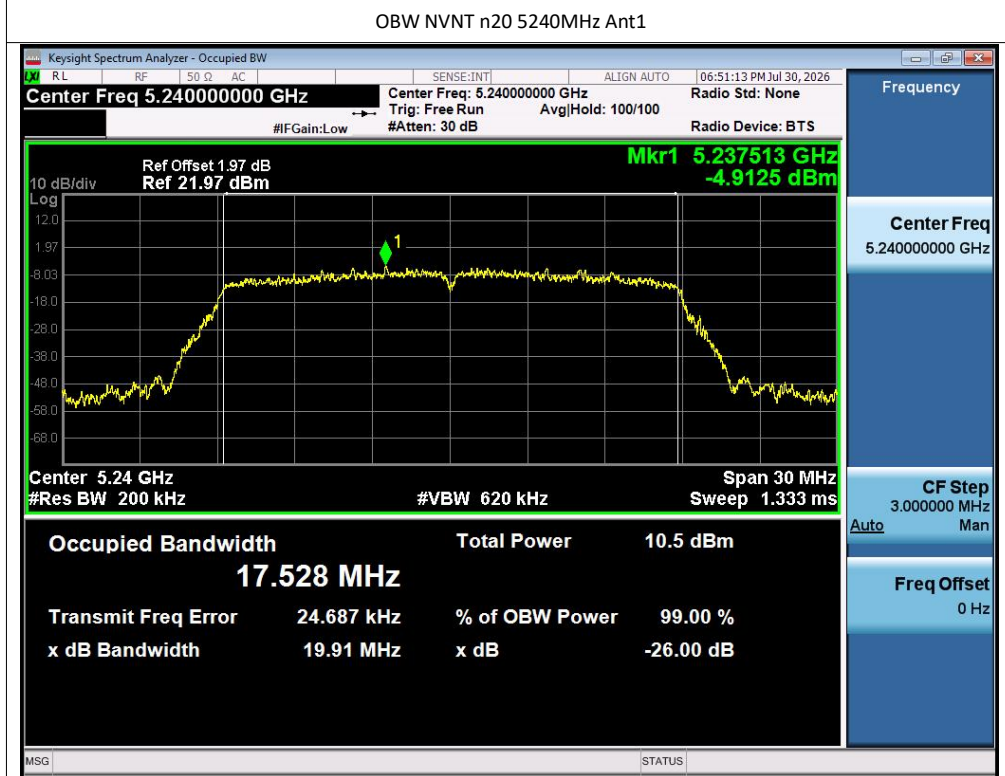
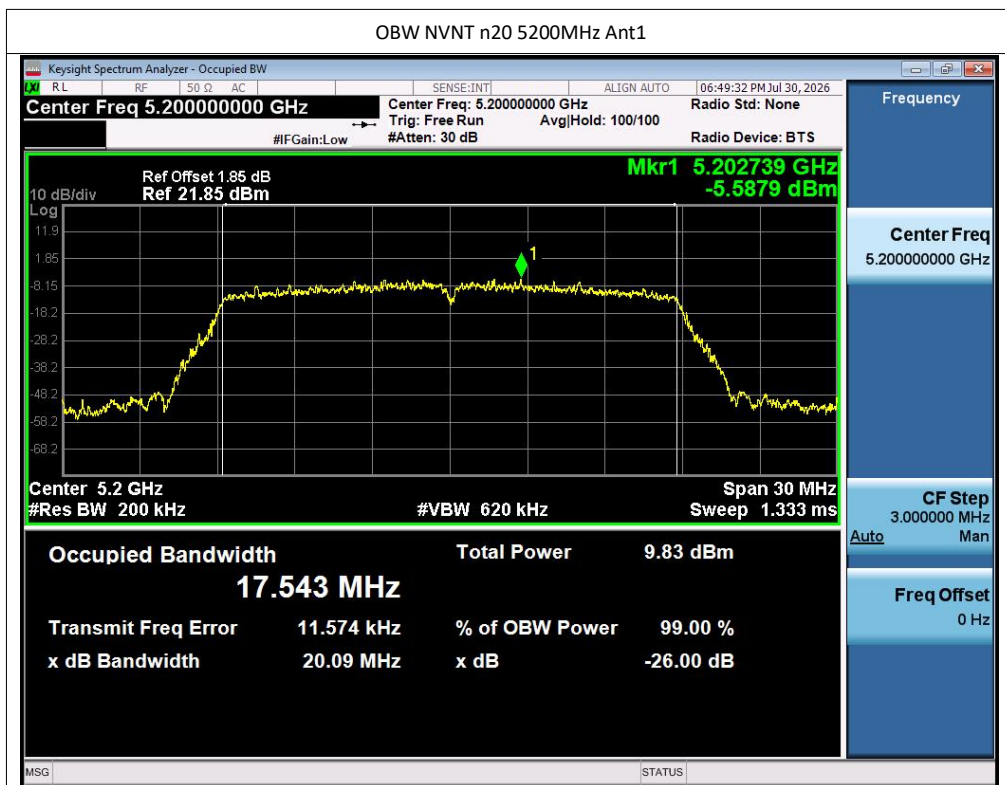


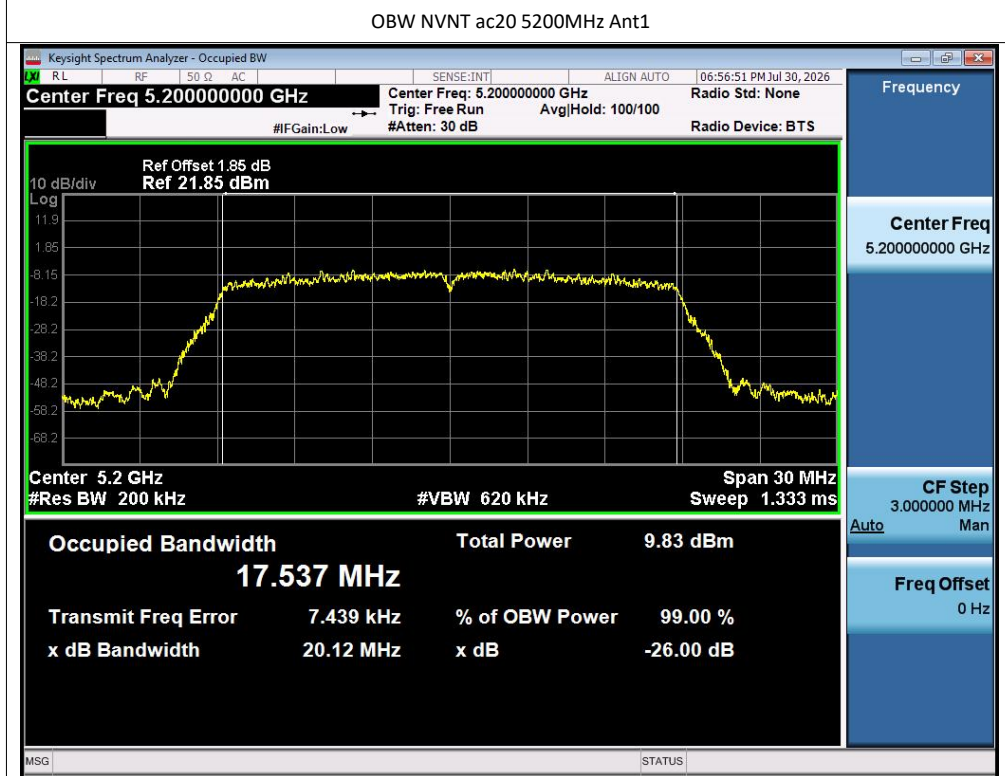
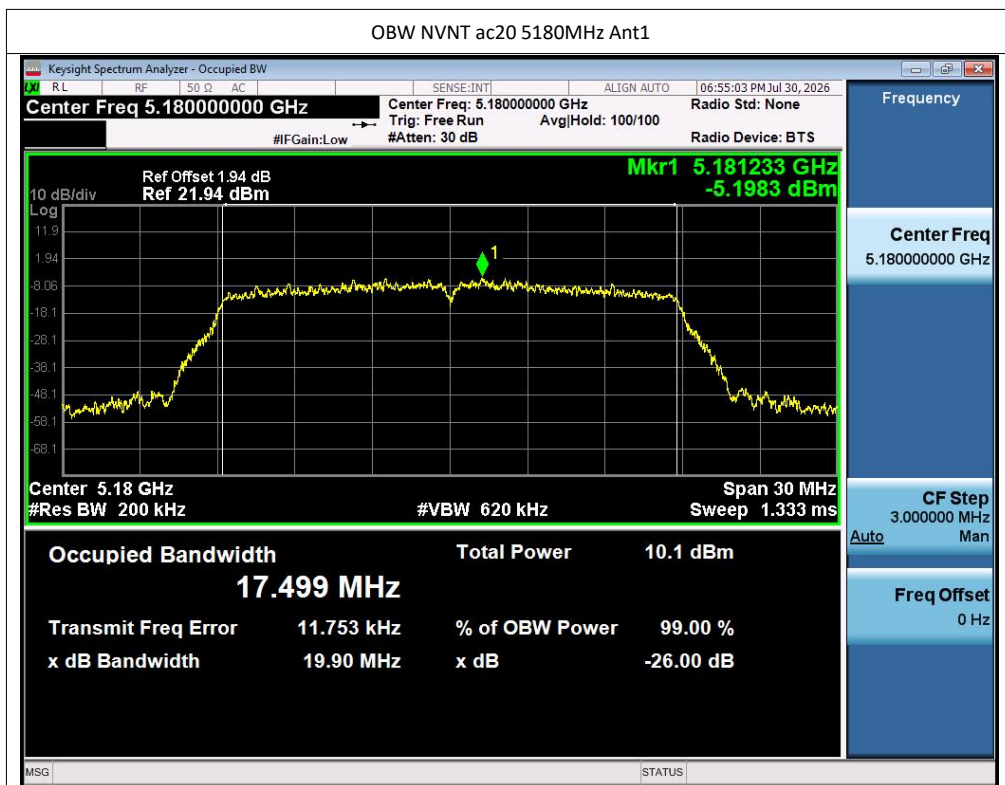
OBW NVNT a 5240MHz Ant1

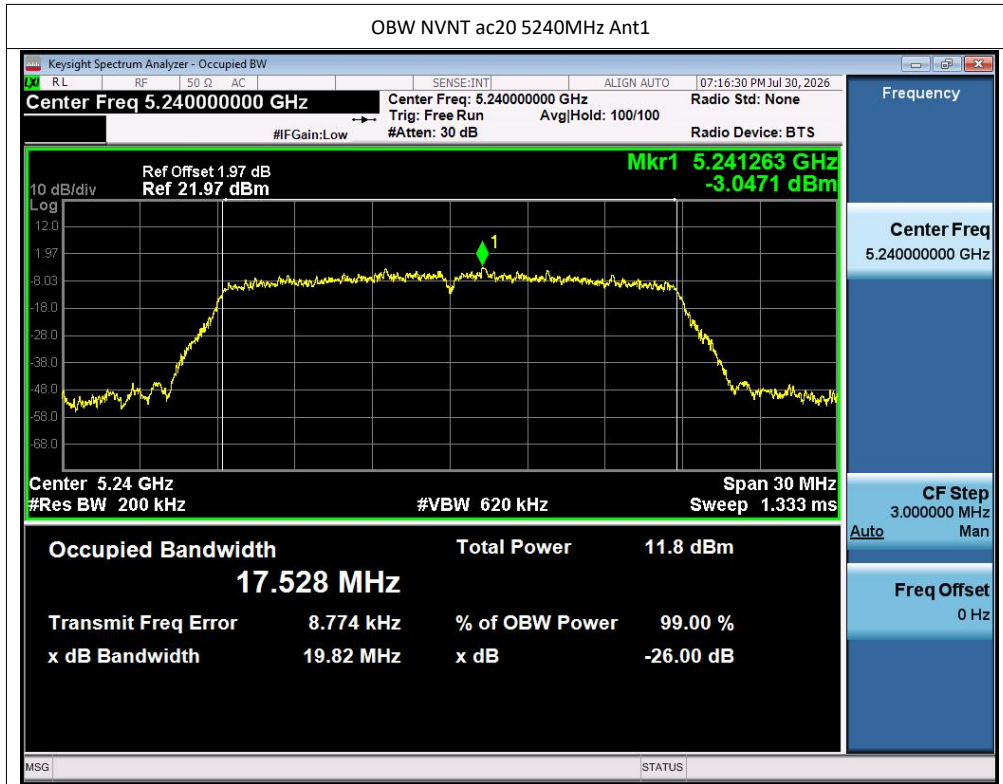


OBW NVNT n20 5180MHz Ant1









Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	-5.61	0.13	-5.48	11	Pass
NVNT	a	5200	Ant1	-5.8	0.13	-5.67	11	Pass
NVNT	a	5240	Ant1	-5.32	0.13	-5.19	11	Pass
NVNT	n20	5180	Ant1	-5.56	0.14	-5.42	11	Pass
NVNT	n20	5200	Ant1	-6.27	0.14	-6.13	11	Pass
NVNT	n20	5240	Ant1	-5.78	0.14	-5.64	11	Pass
NVNT	ac20	5180	Ant1	-5.74	0.14	-5.6	11	Pass
NVNT	ac20	5200	Ant1	-6.13	0.14	-5.99	11	Pass
NVNT	ac20	5240	Ant1	-5.67	0.14	-5.53	11	Pass