

Appendix B for 5GWIFI Test Data

Product Name: Wanbo Projector

Test Model: WPB84

Environmental Conditions

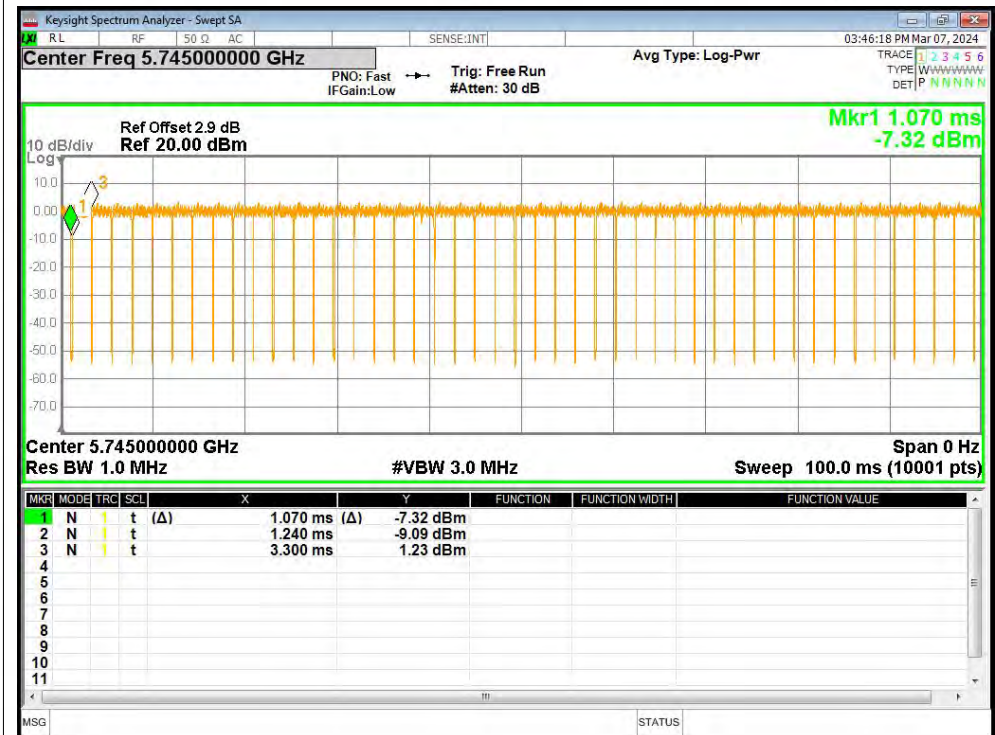
Temperature:	24.2℃
Relative Humidity:	53%
ATM Pressure:	101.0 kPa
Test Engineer:	Kimi Lu
Supervised by:	Baret Wu

B1. Duty Cycle

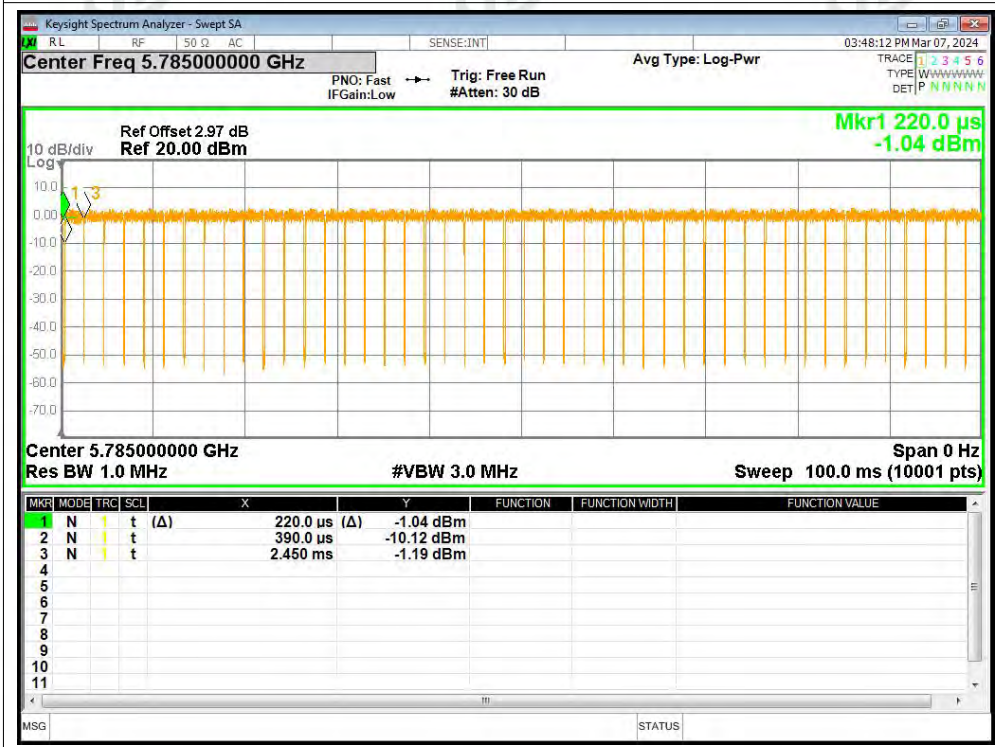
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	92.38	0.34	0.49
NVNT	a	5785	Ant1	92.38	0.34	0.49
NVNT	a	5825	Ant1	98.1	0	0.48
NVNT	n20	5745	Ant1	94.12	0.26	0.52
NVNT	n20	5785	Ant1	97.46	0.11	0.52
NVNT	n20	5825	Ant1	94.12	0.26	0.52
NVNT	n40	5755	Ant1	96.94	0.13	1.05
NVNT	n40	5795	Ant1	95.96	0.18	1.05
NVNT	ac20	5745	Ant1	58.82	2.3	5
NVNT	ac20	5785	Ant1	76.92	1.14	5
NVNT	ac20	5825	Ant1	57.14	2.43	5
NVNT	ac40	5755	Ant1	57.89	2.37	9.09
NVNT	ac40	5795	Ant1	47.83	3.2	9.09
NVNT	ac80	5775	Ant1	32	4.95	12.5

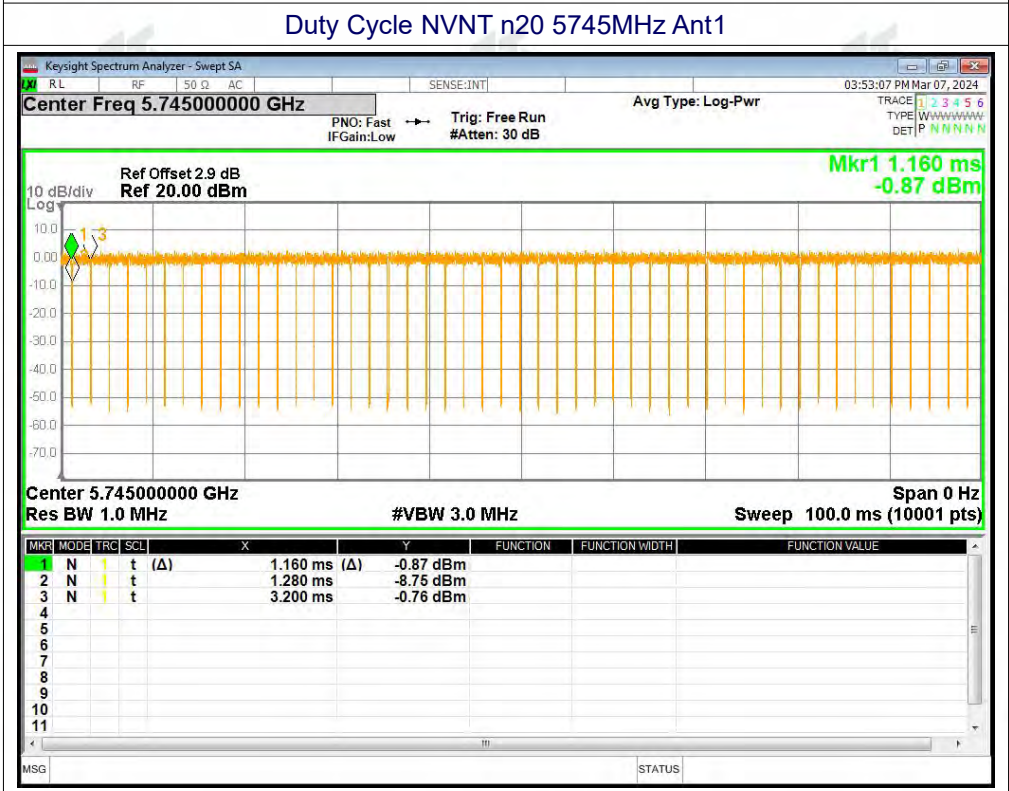
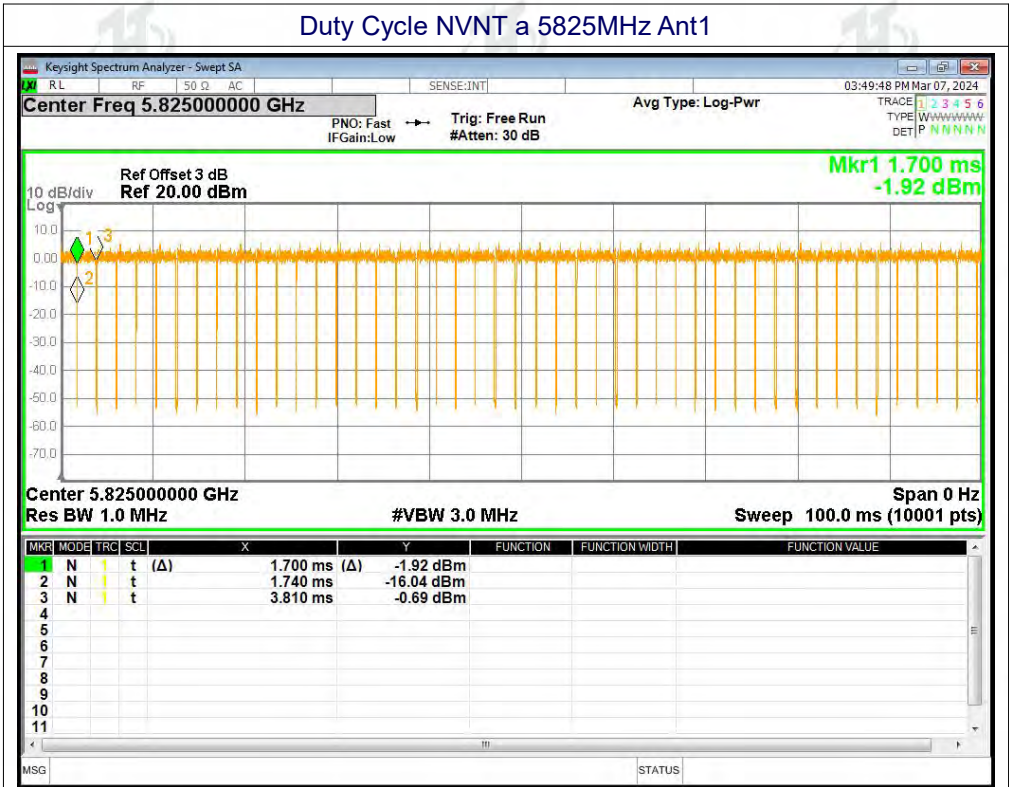
Test Graphs

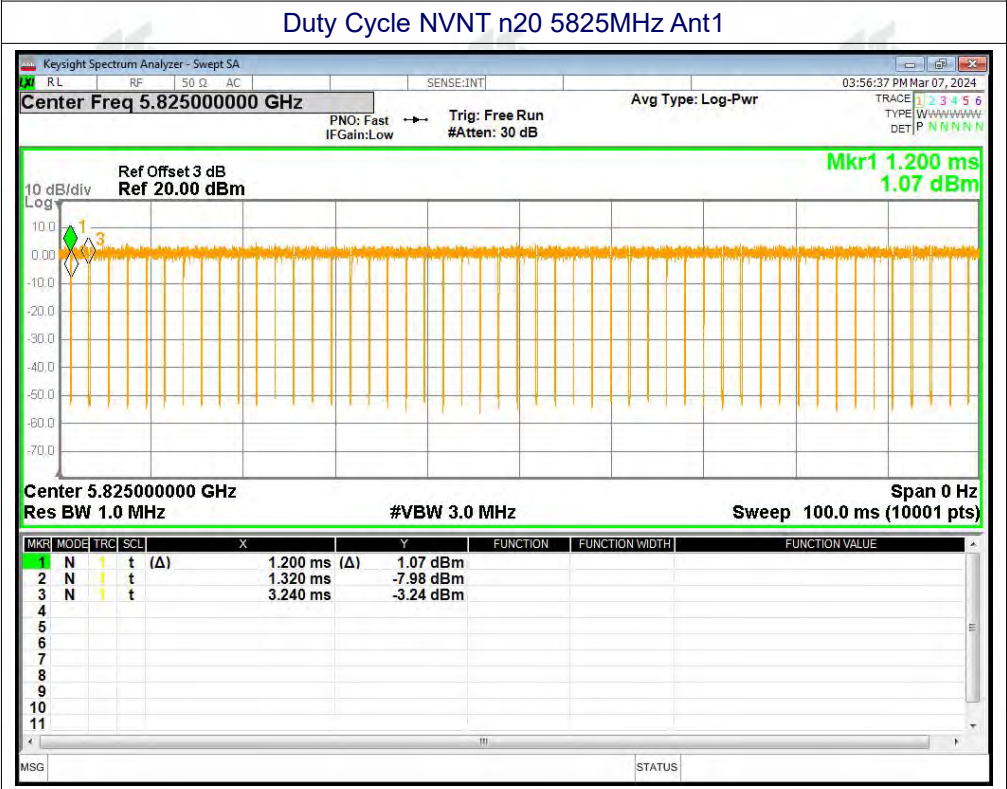
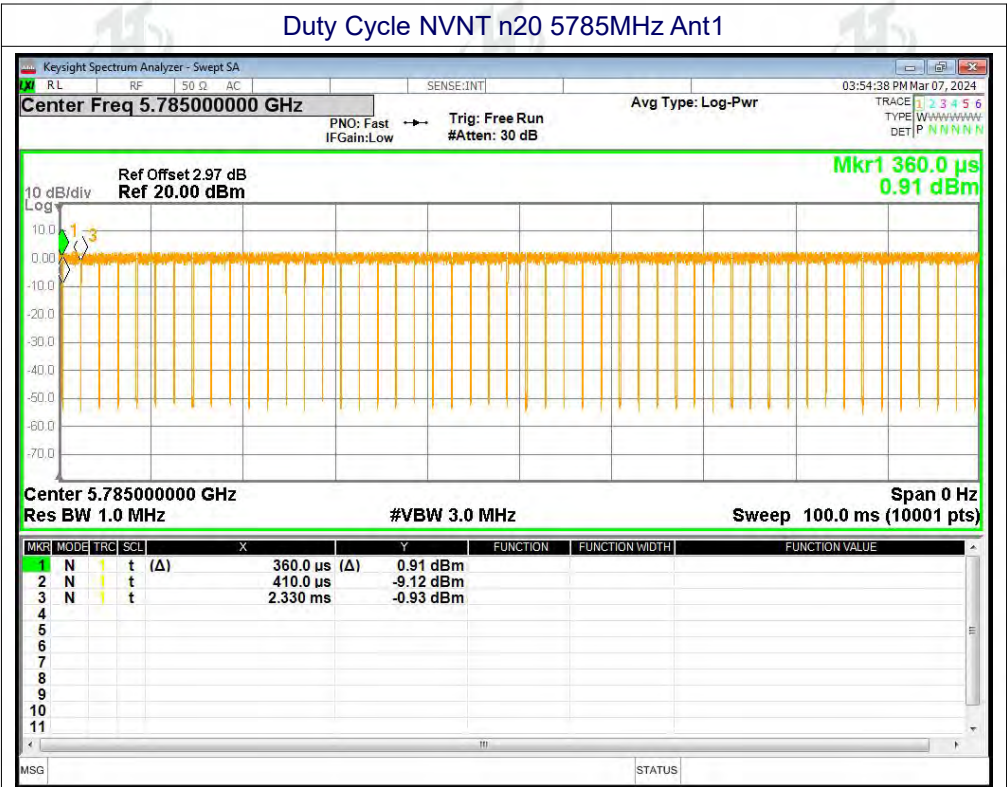
Duty Cycle NVNT a 5745MHz Ant1



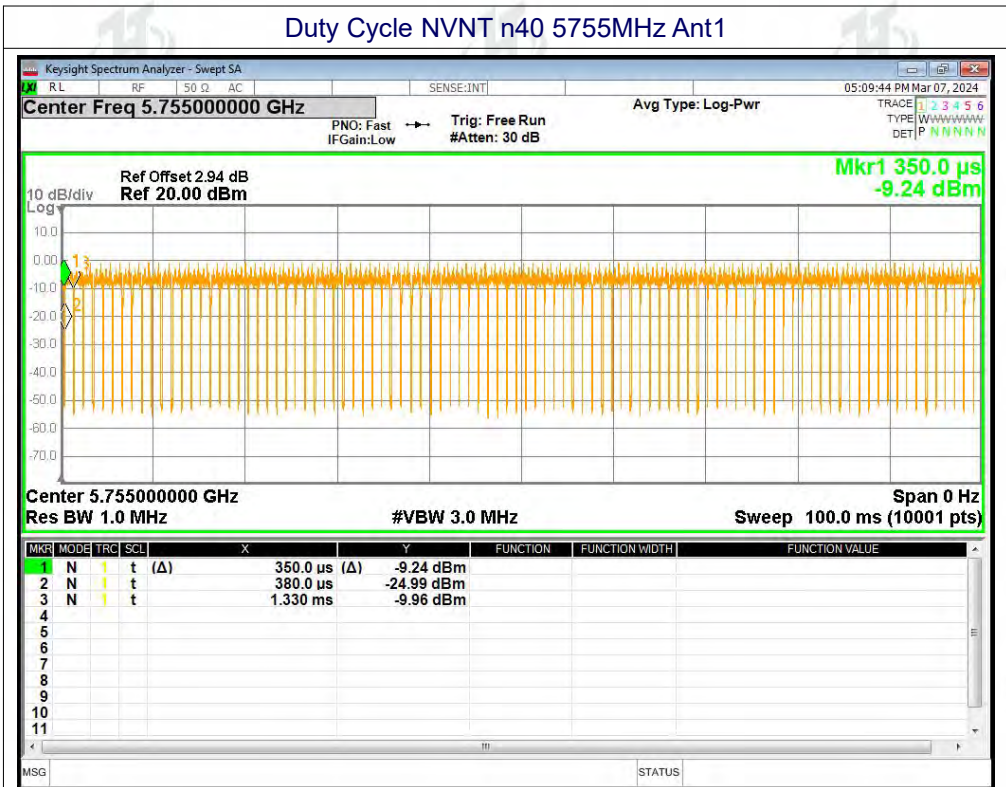
Duty Cycle NVNT a 5785MHz Ant1



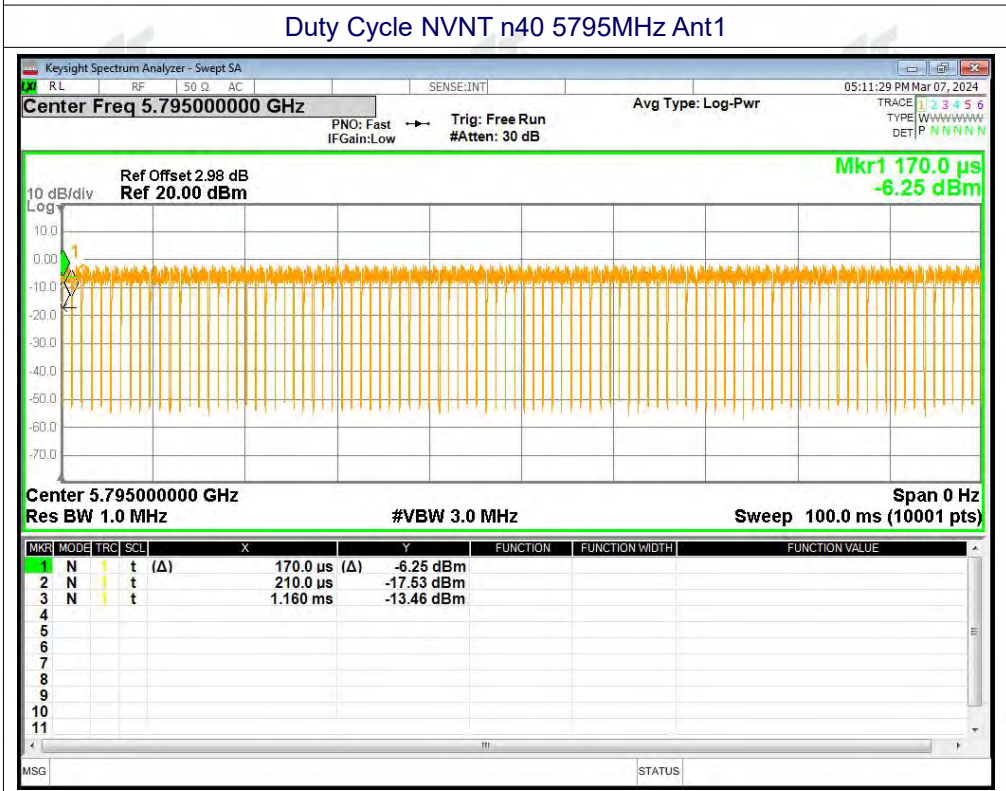




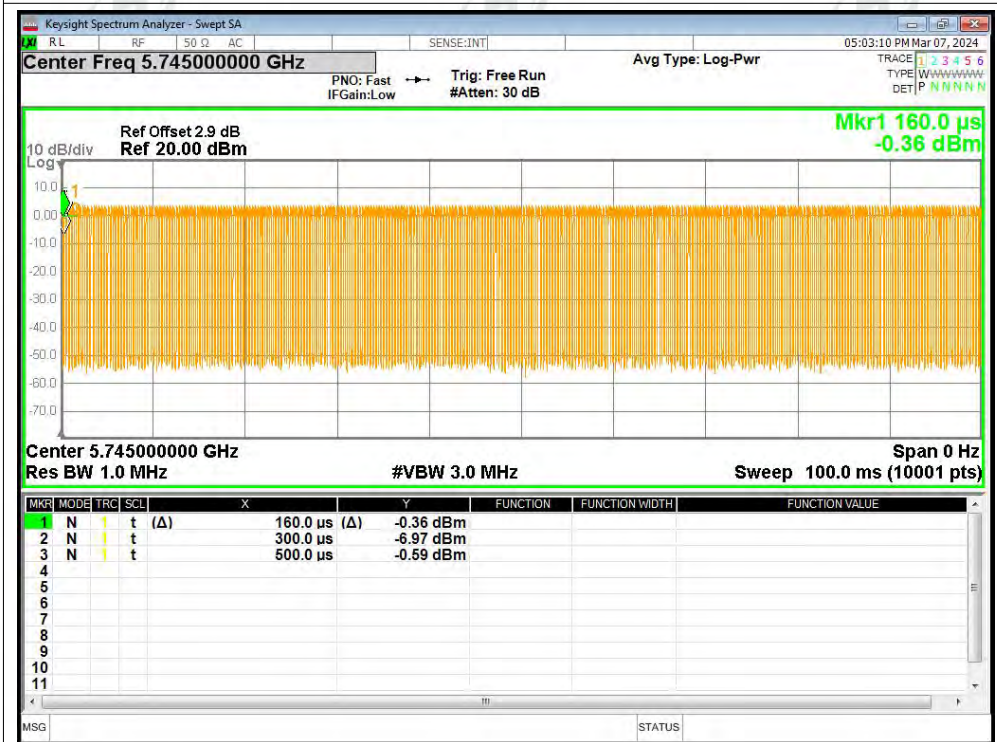
Duty Cycle NVNT n40 5755MHz Ant1



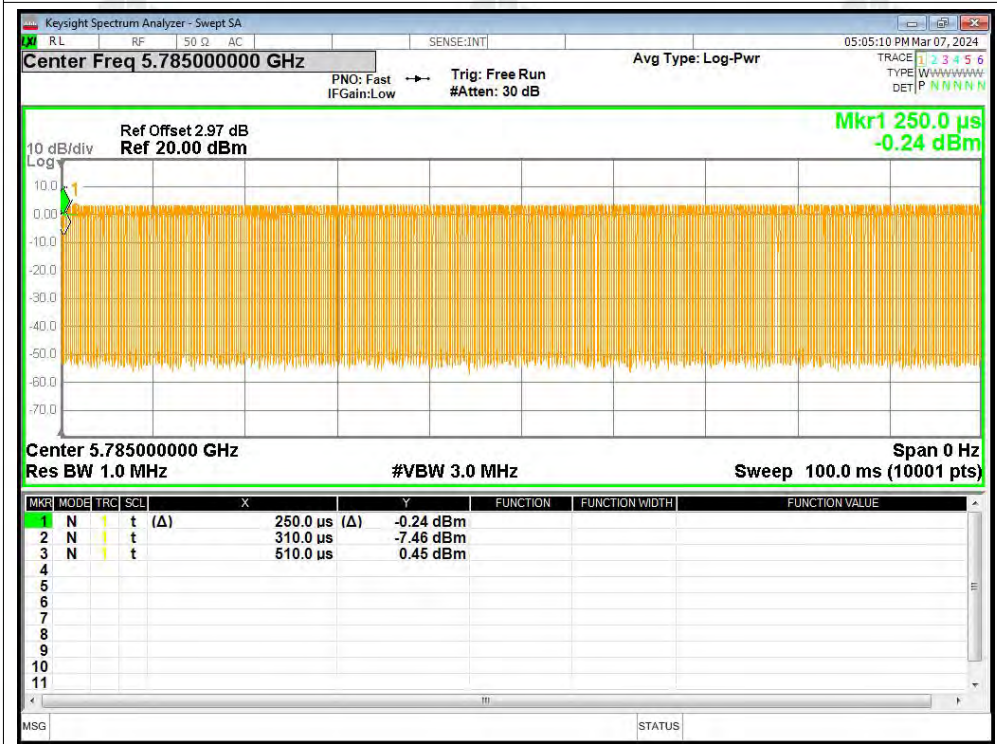
Duty Cycle NVNT n40 5795MHz Ant1

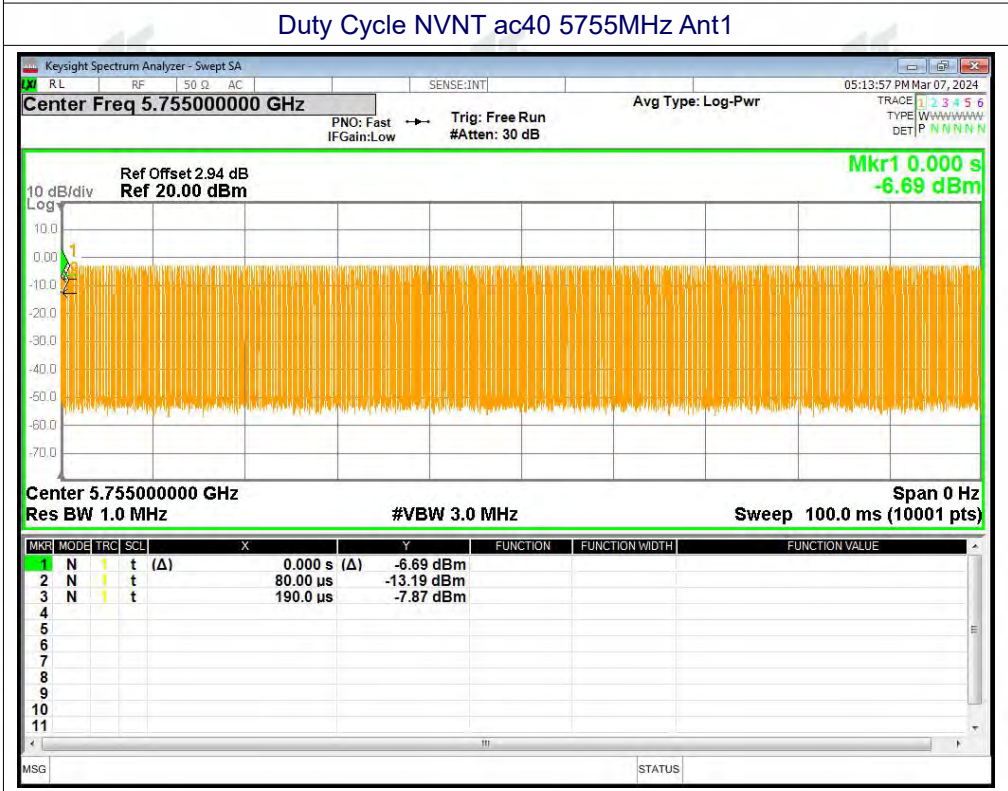
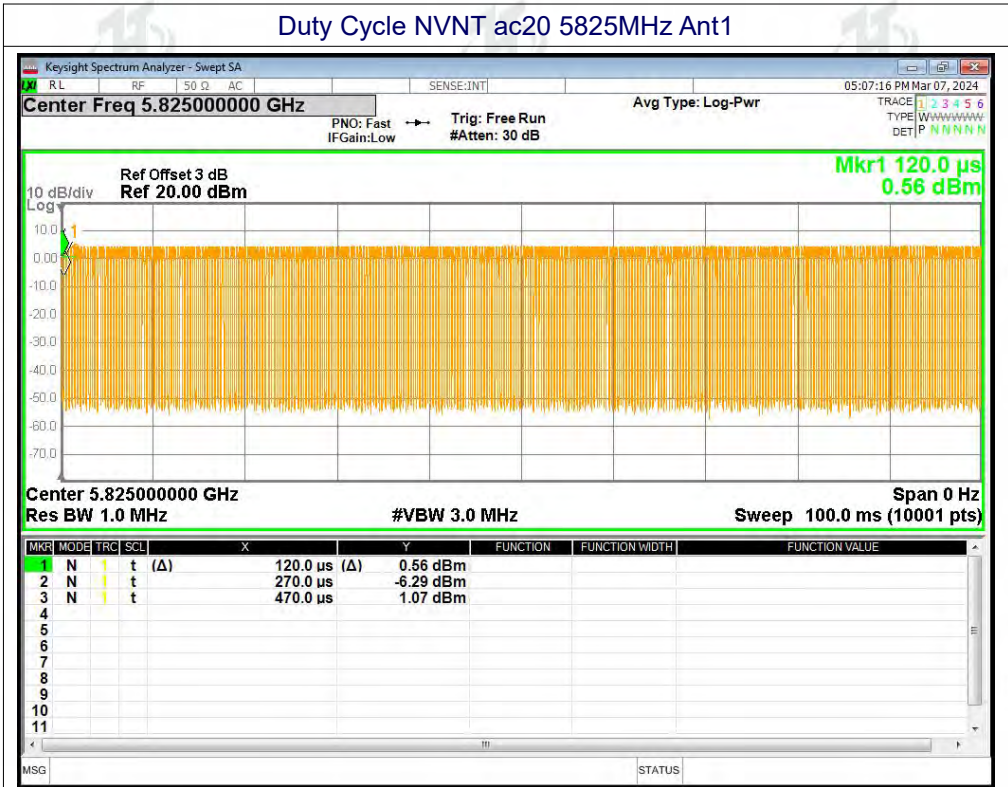


Duty Cycle NVNT ac20 5745MHz Ant1

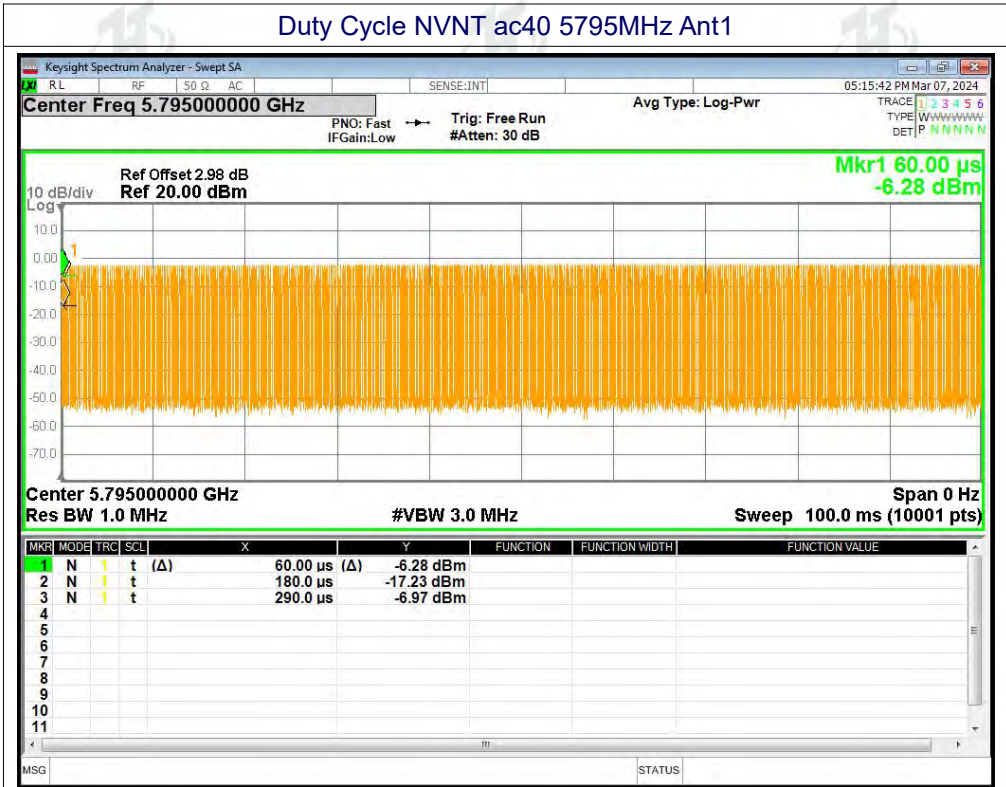


Duty Cycle NVNT ac20 5785MHz Ant1

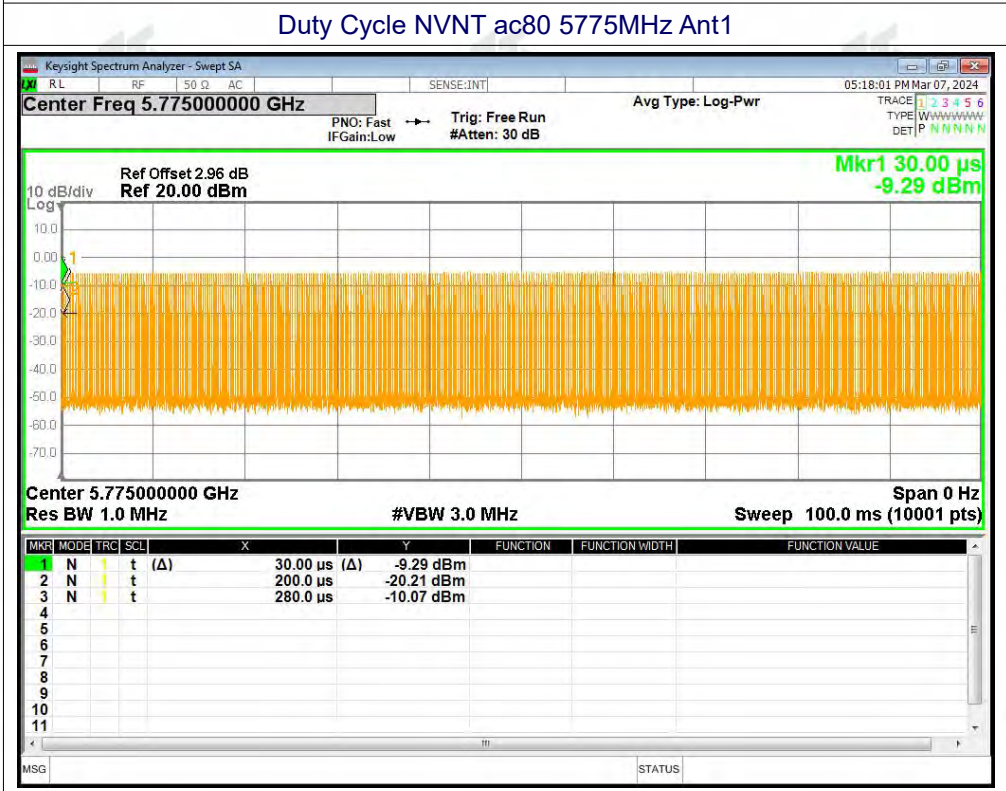




Duty Cycle NVNT ac40 5795MHz Ant1

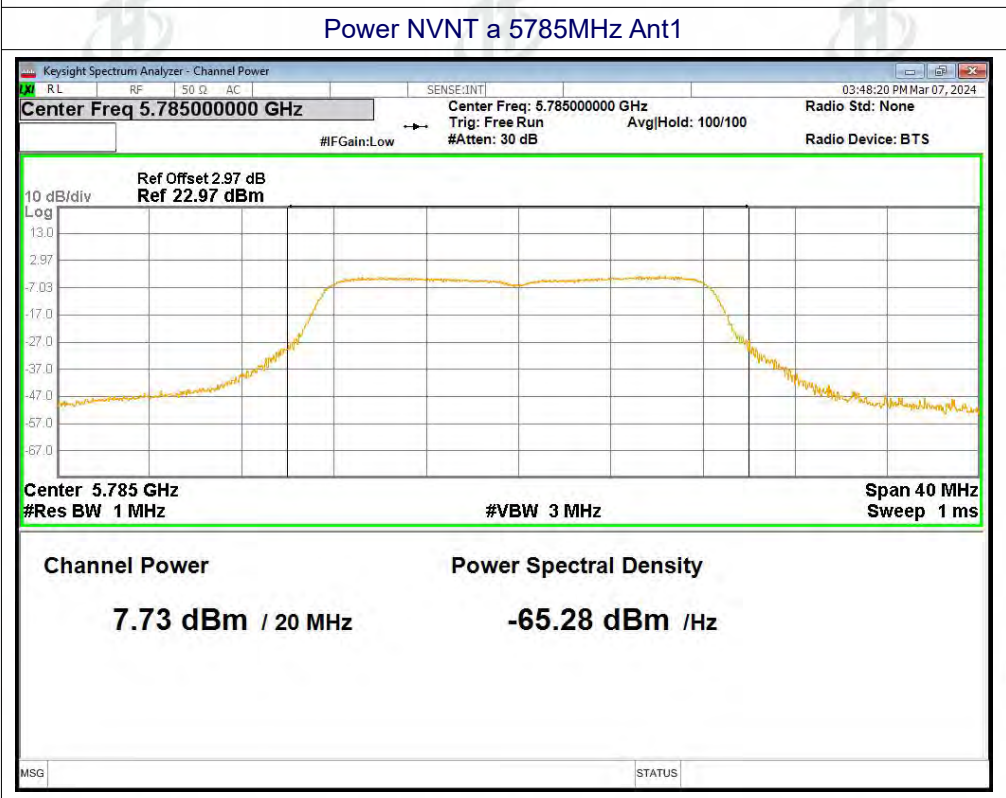
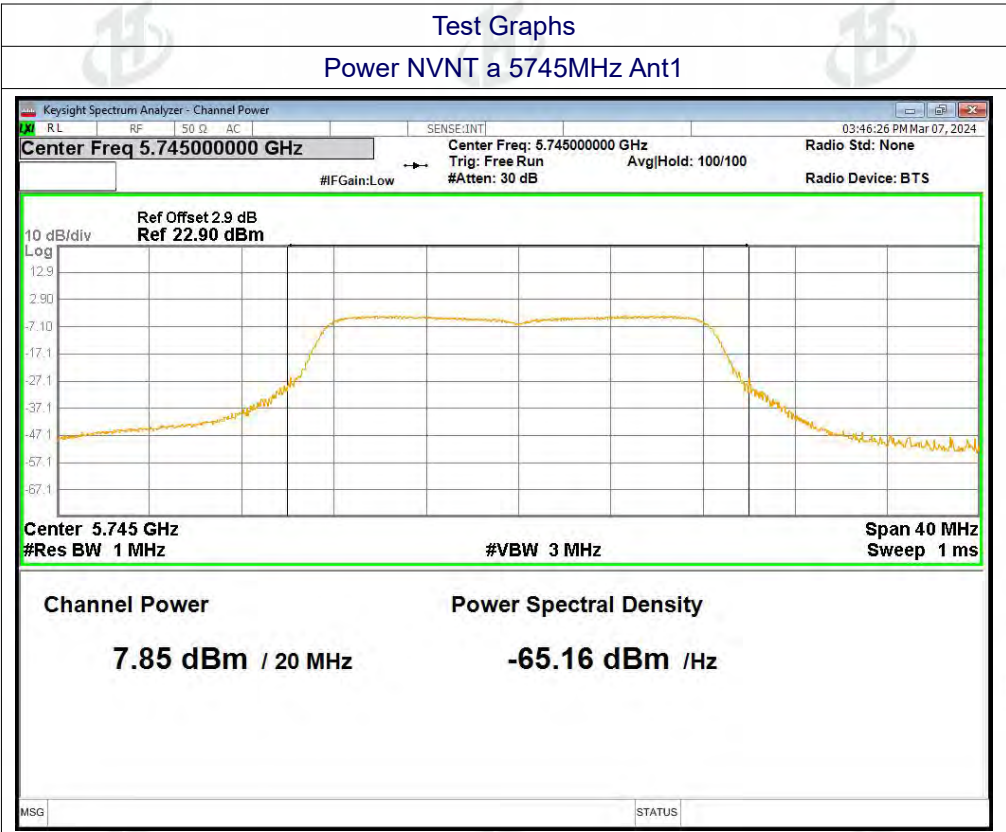


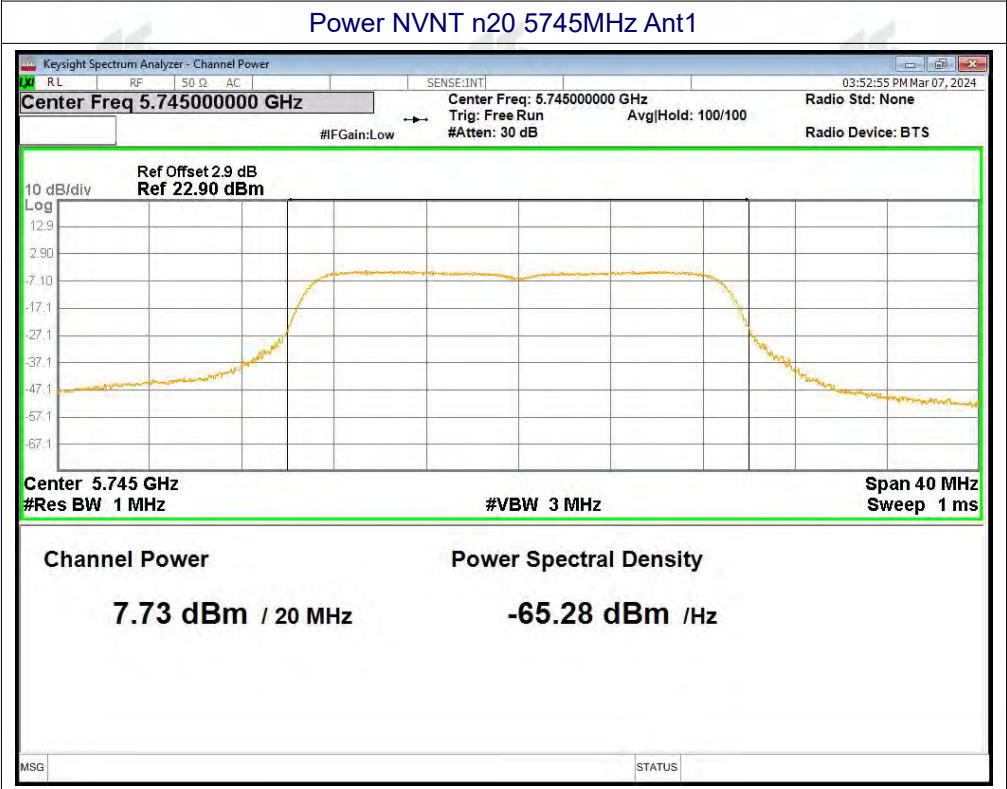
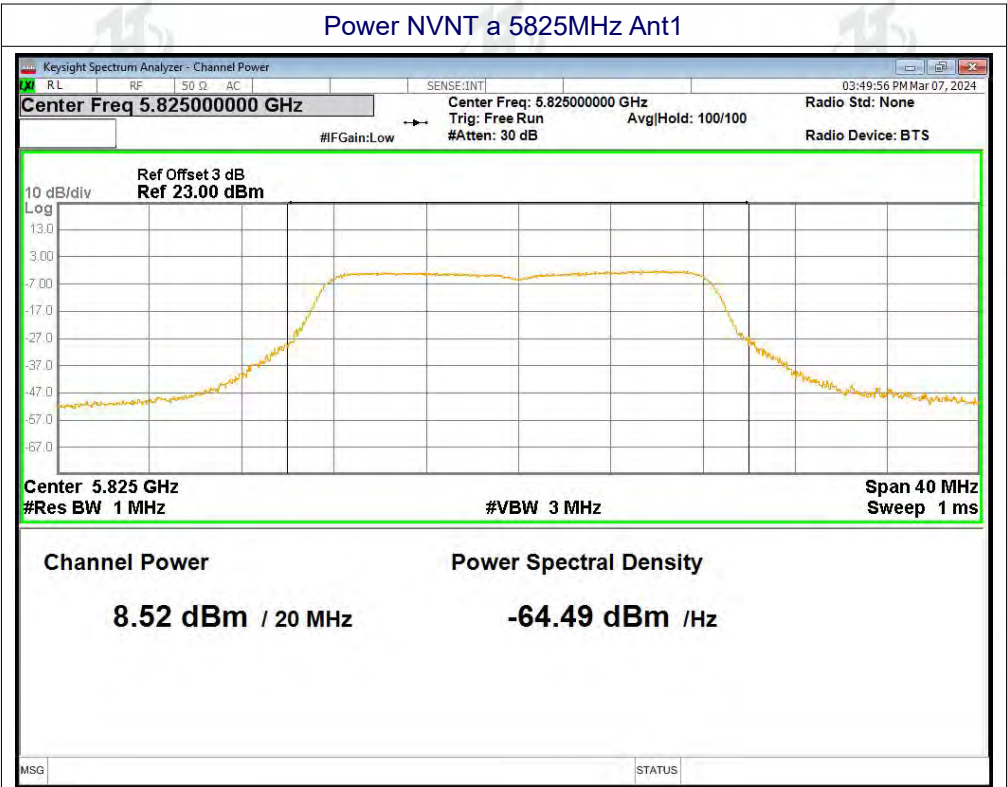
Duty Cycle NVNT ac80 5775MHz Ant1

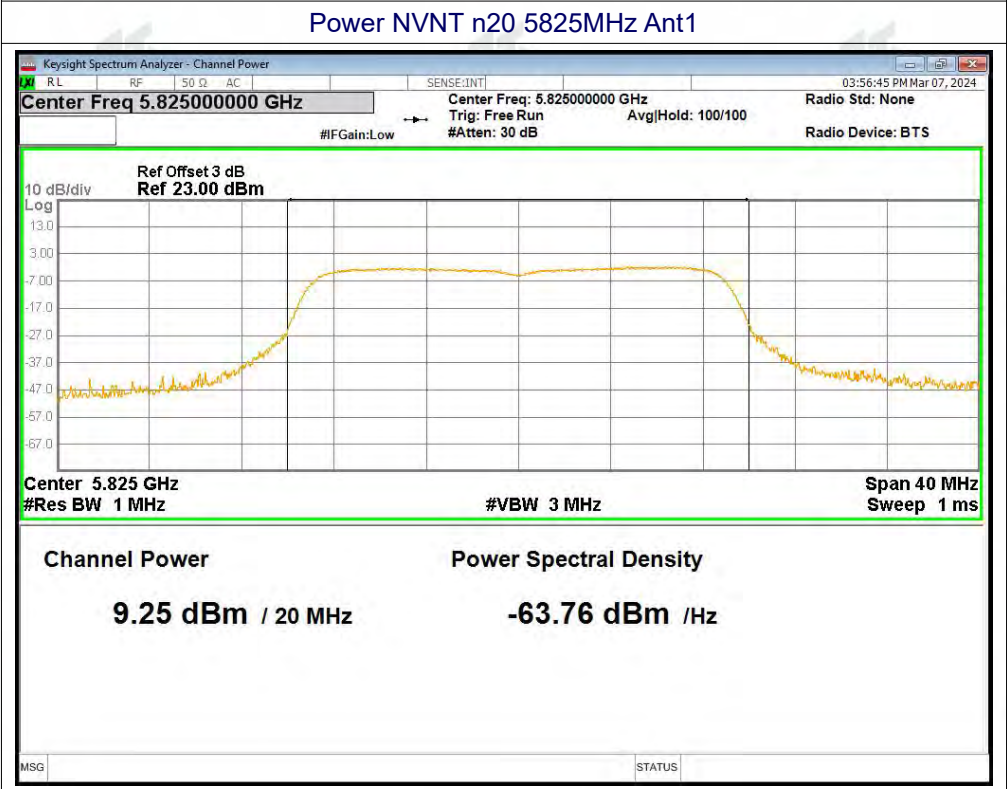
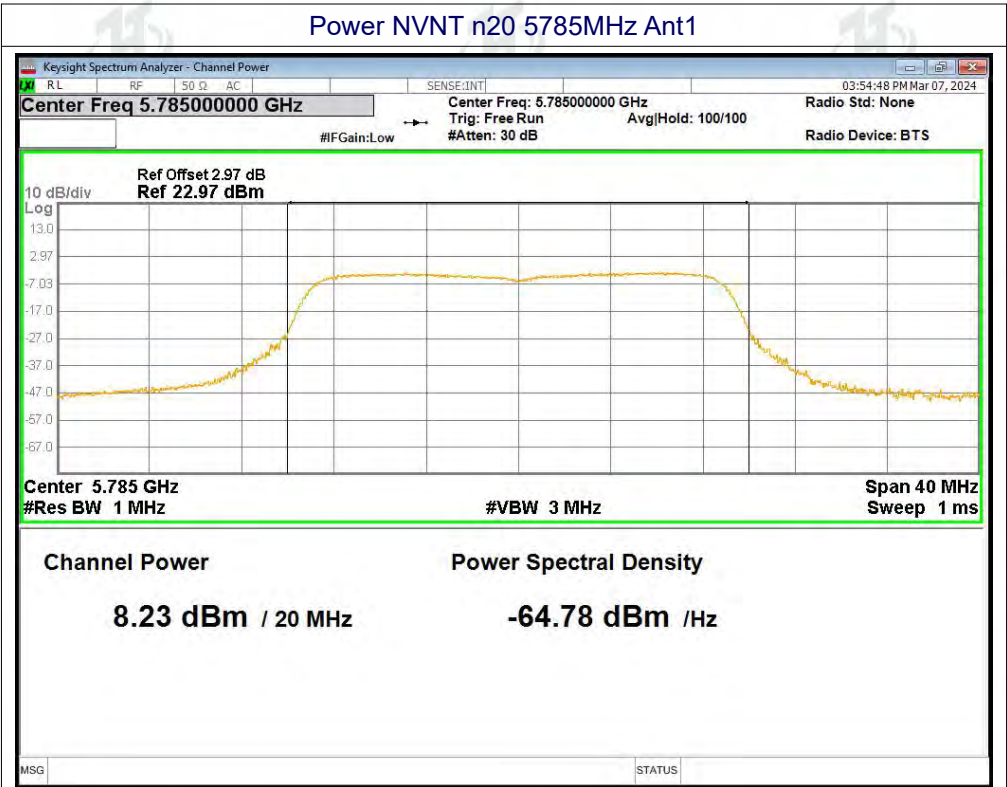


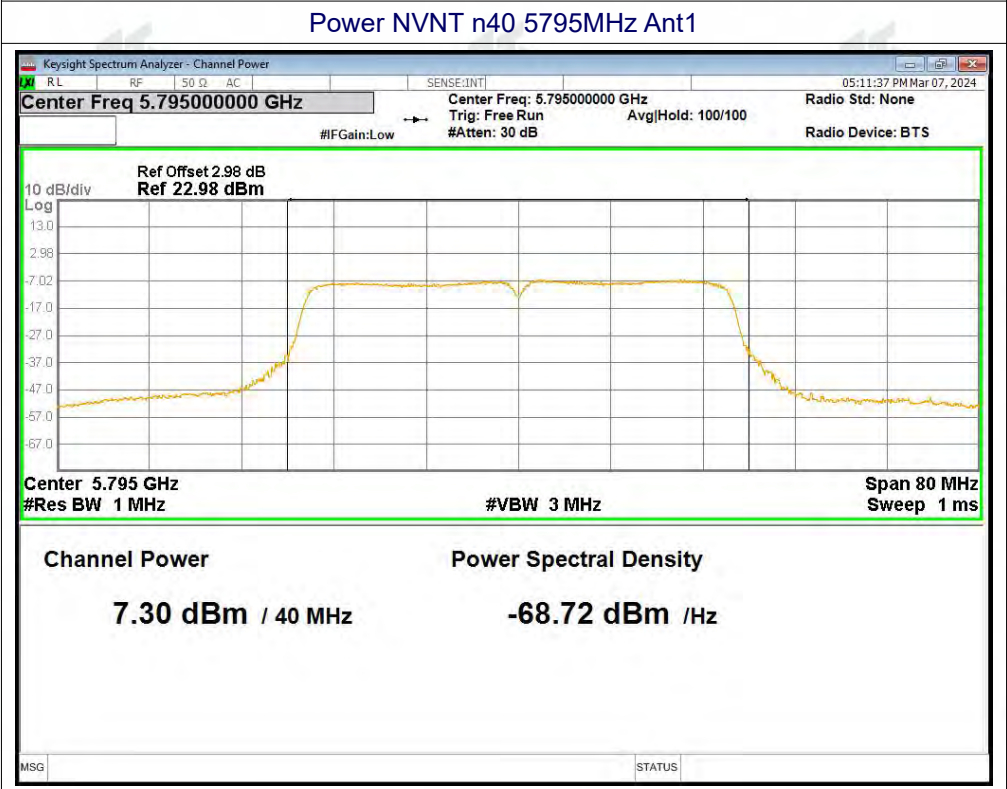
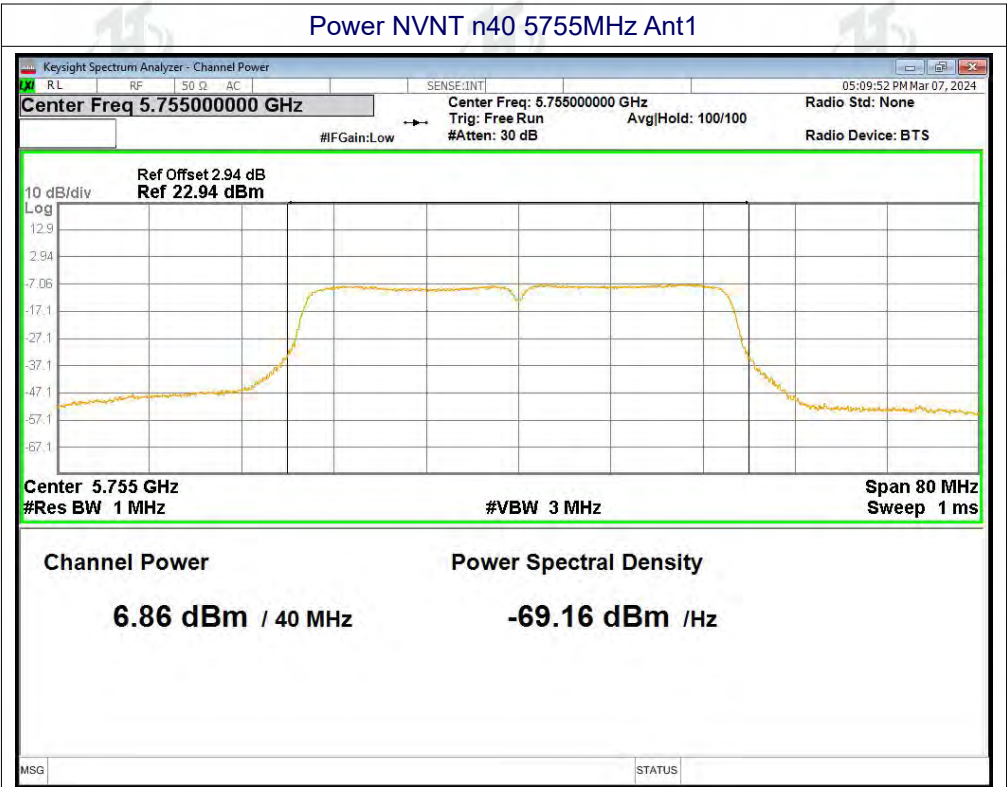
B2. Maximum Conducted Output Power

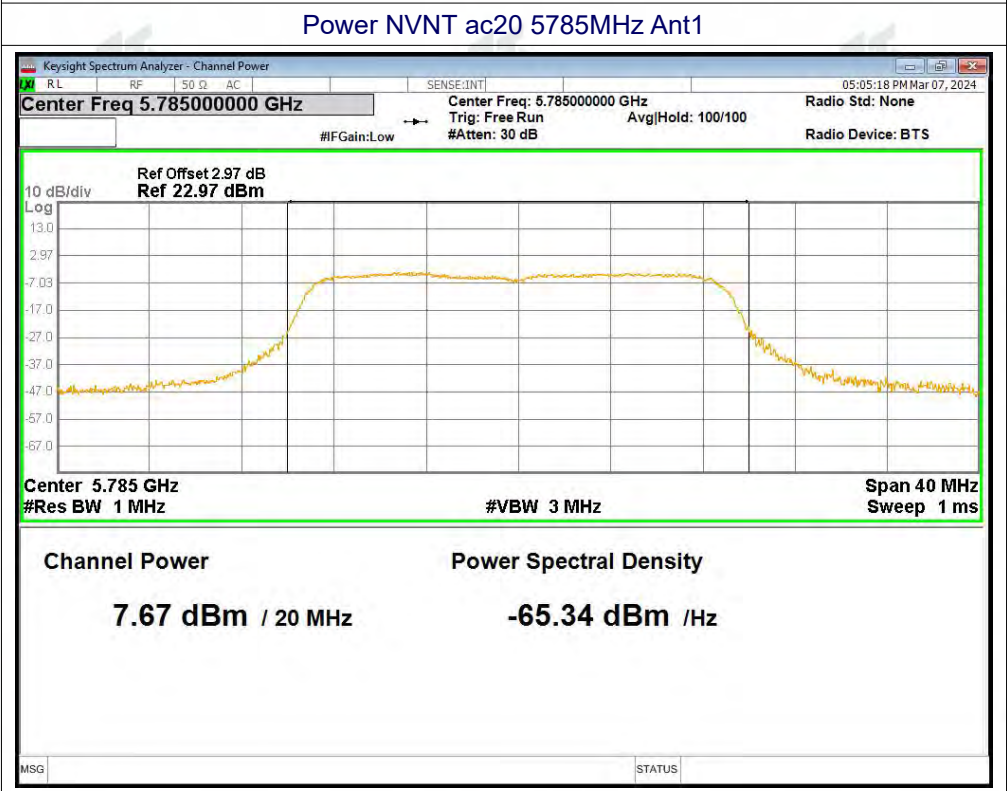
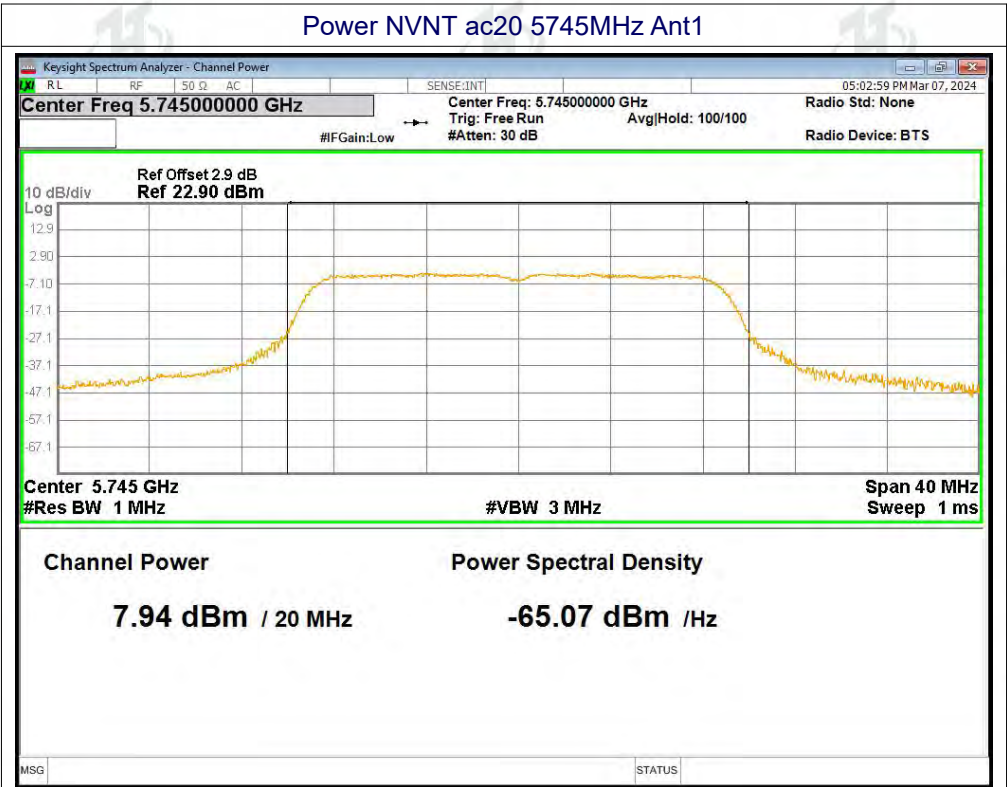
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	7.85	0.34	8.19	30	Pass
NVNT	a	5785	Ant1	7.73	0.34	8.07	30	Pass
NVNT	a	5825	Ant1	8.52	0	8.52	30	Pass
NVNT	n20	5745	Ant1	7.73	0.16	7.89	30	Pass
NVNT	n20	5785	Ant1	8.23	0.11	8.34	30	Pass
NVNT	n20	5825	Ant1	9.25	0.26	9.51	30	Pass
NVNT	n40	5755	Ant1	6.86	0.13	6.99	30	Pass
NVNT	n40	5795	Ant1	7.3	0.18	7.48	30	Pass
NVNT	ac20	5745	Ant1	7.94	0	7.94	30	Pass
NVNT	ac20	5785	Ant1	7.67	1.14	8.81	30	Pass
NVNT	ac20	5825	Ant1	8.62	2.43	11.05	30	Pass
NVNT	ac40	5755	Ant1	5.48	2.37	7.85	30	Pass
NVNT	ac40	5795	Ant1	6.06	3.2	9.26	30	Pass
NVNT	ac80	5775	Ant1	3.68	0	3.68	30	Pass

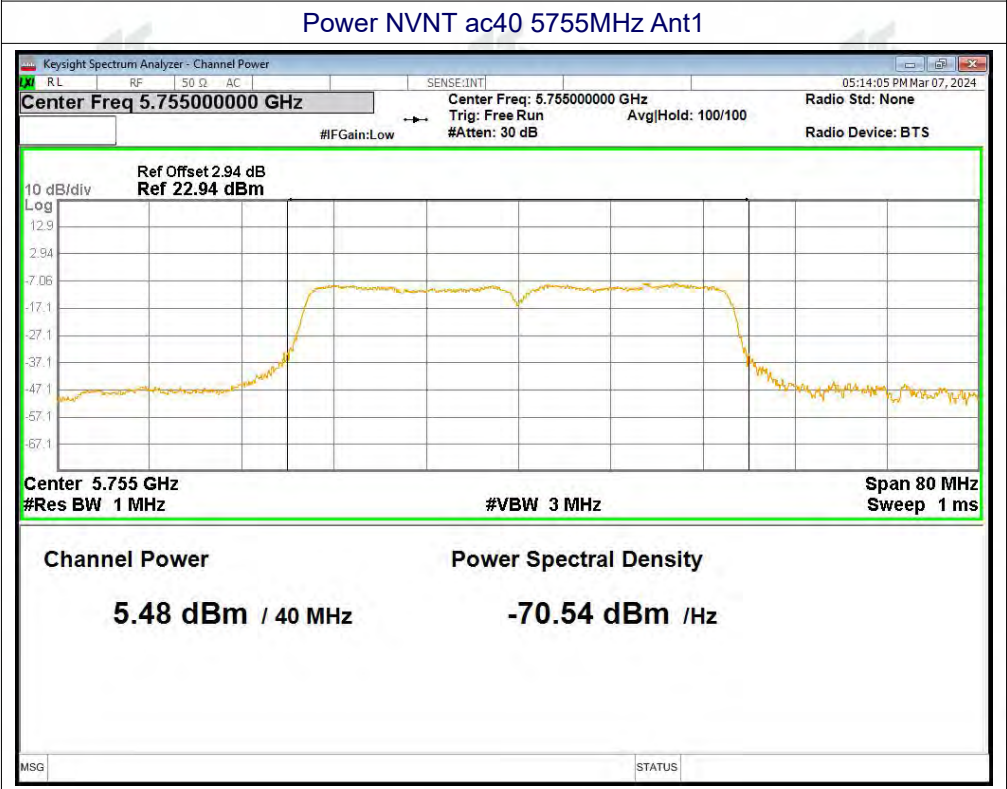
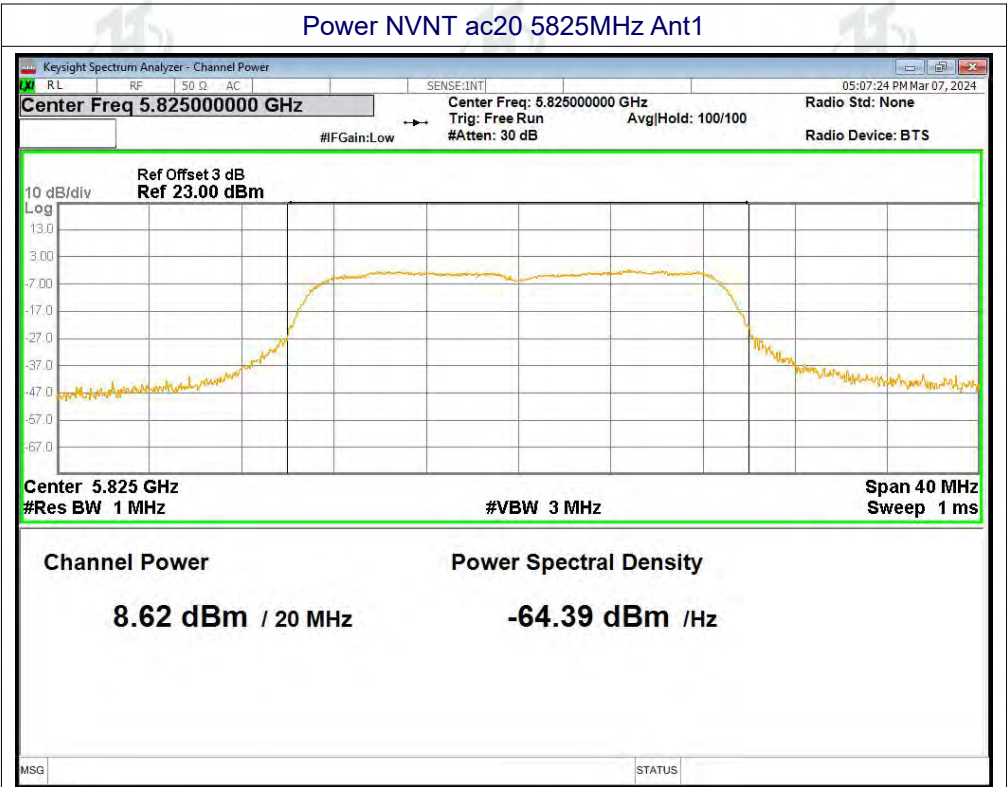


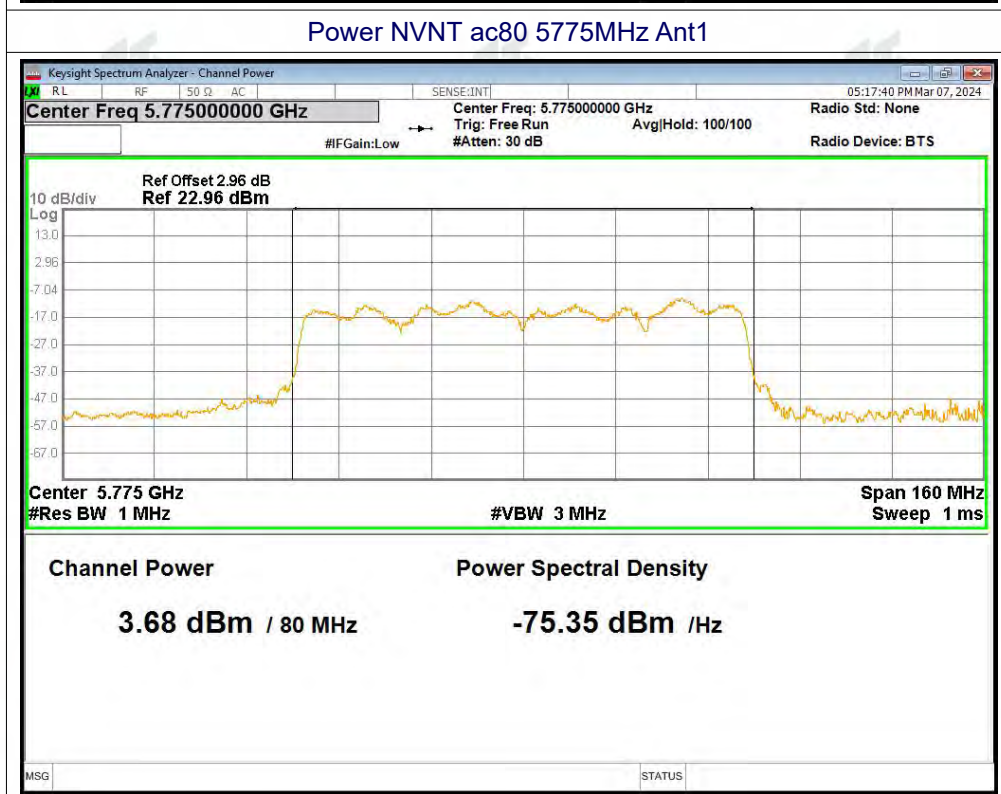
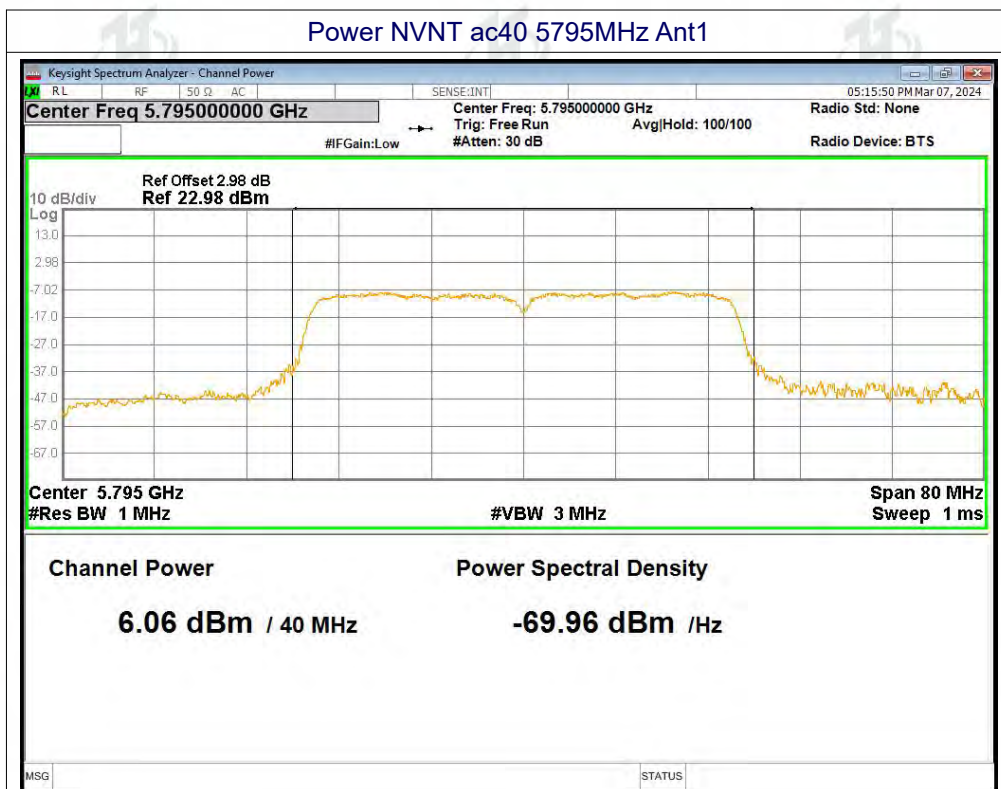






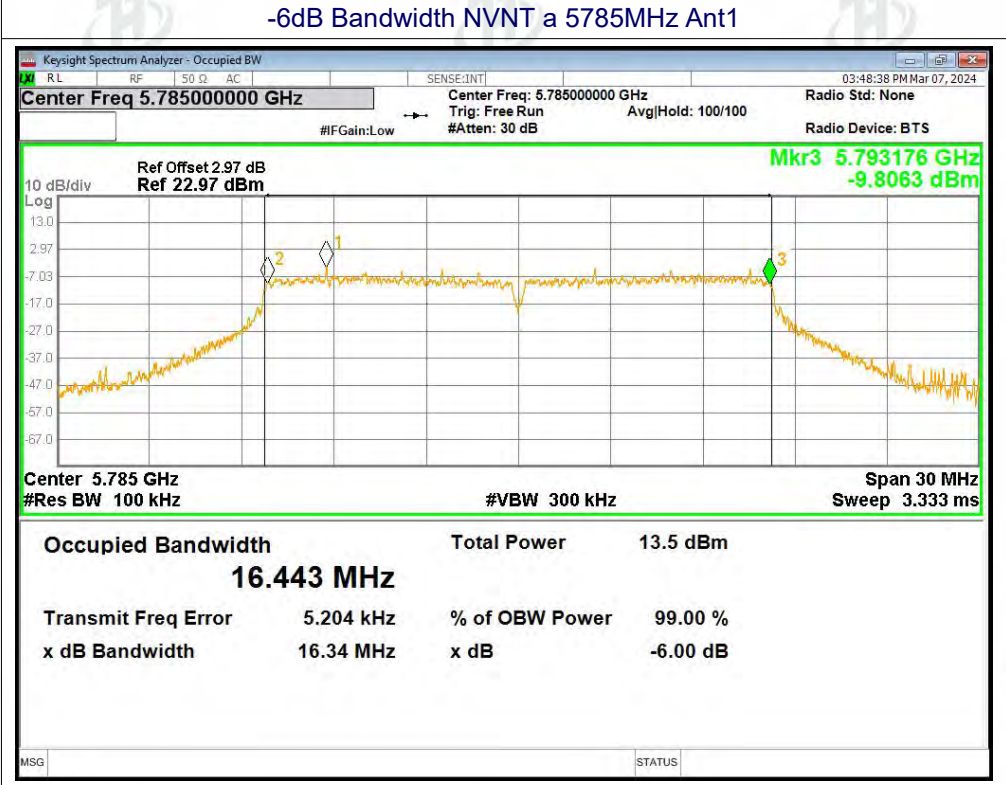
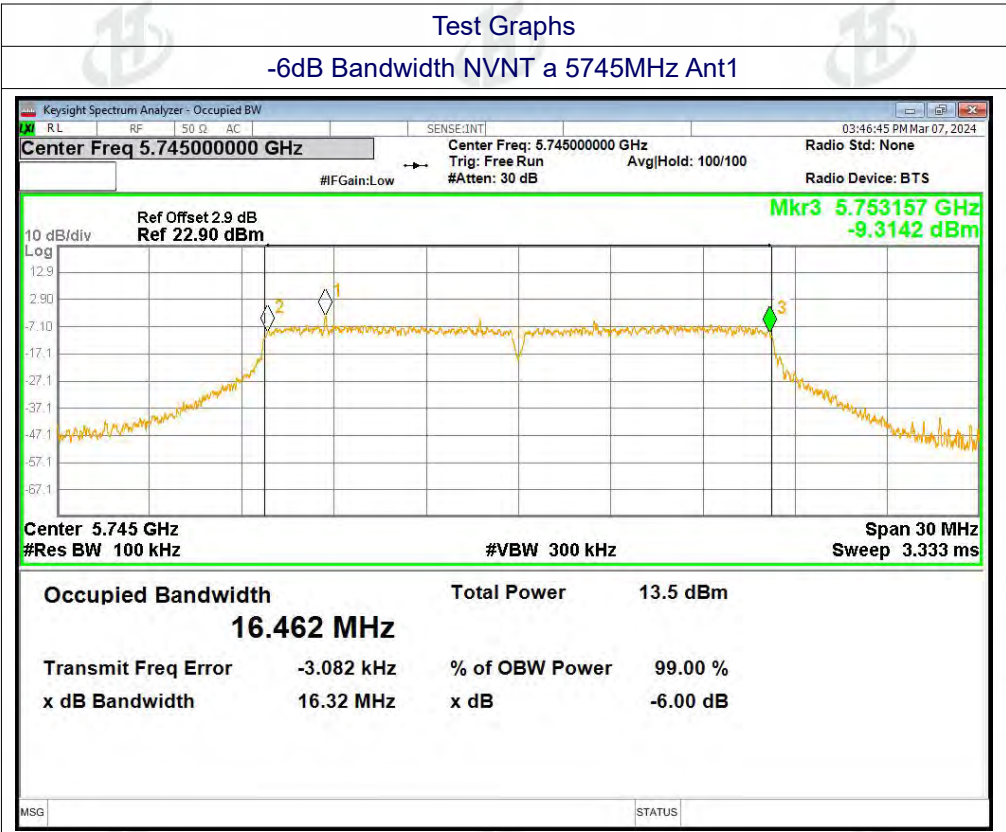




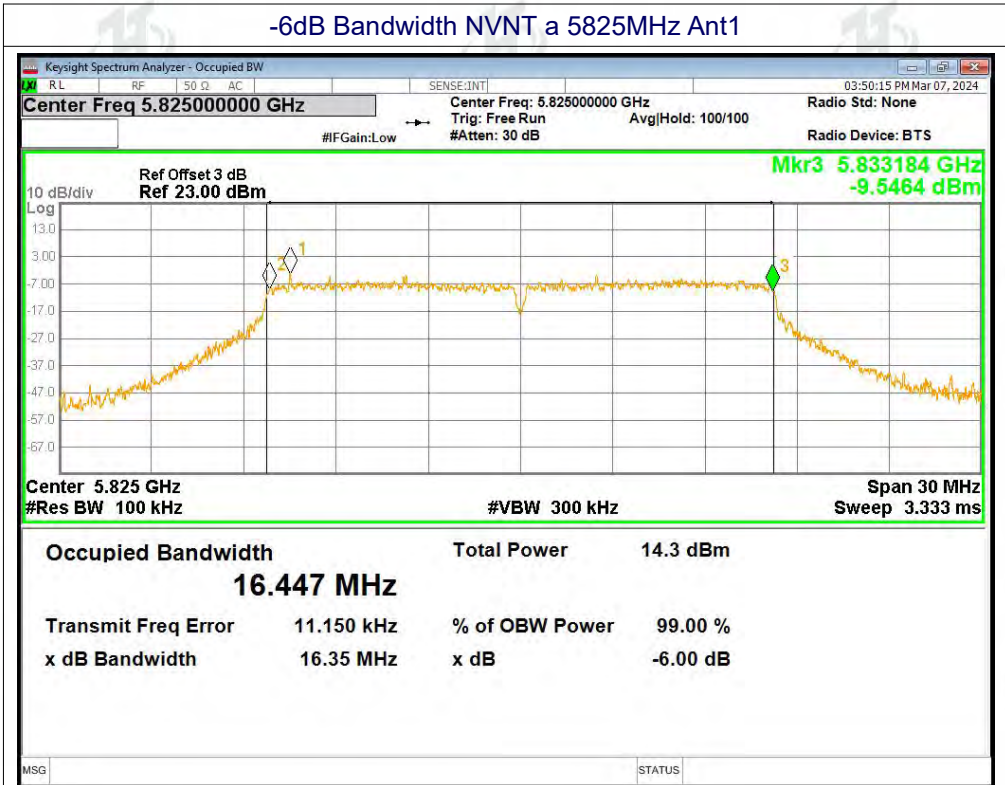


B3. -6dB Bandwidth

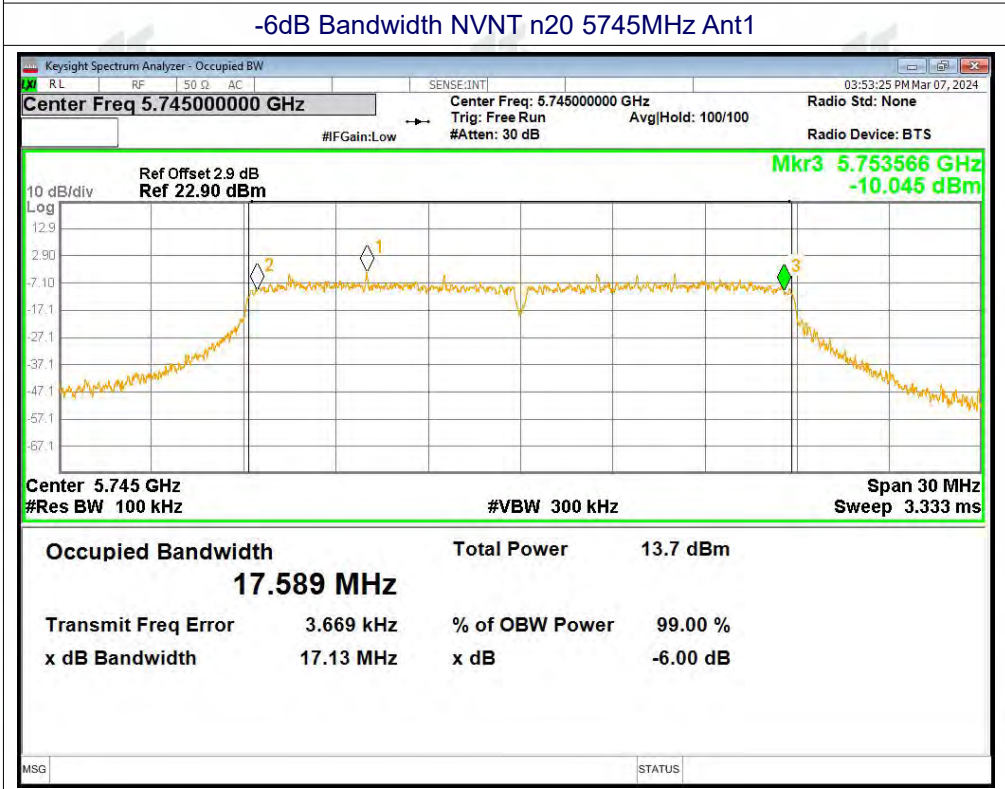
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.321	0.5	Pass
NVNT	a	5785	Ant1	16.341	0.5	Pass
NVNT	a	5825	Ant1	16.346	0.5	Pass
NVNT	n20	5745	Ant1	17.125	0.5	Pass
NVNT	n20	5785	Ant1	16.744	0.5	Pass
NVNT	n20	5825	Ant1	17.298	0.5	Pass
NVNT	n40	5755	Ant1	35.155	0.5	Pass
NVNT	n40	5795	Ant1	35.092	0.5	Pass
NVNT	ac20	5745	Ant1	17.288	0.5	Pass
NVNT	ac20	5785	Ant1	17.517	0.5	Pass
NVNT	ac20	5825	Ant1	17.394	0.5	Pass
NVNT	ac40	5755	Ant1	35.487	0.5	Pass
NVNT	ac40	5795	Ant1	35.204	0.5	Pass
NVNT	ac80	5775	Ant1	75.11	0.5	Pass

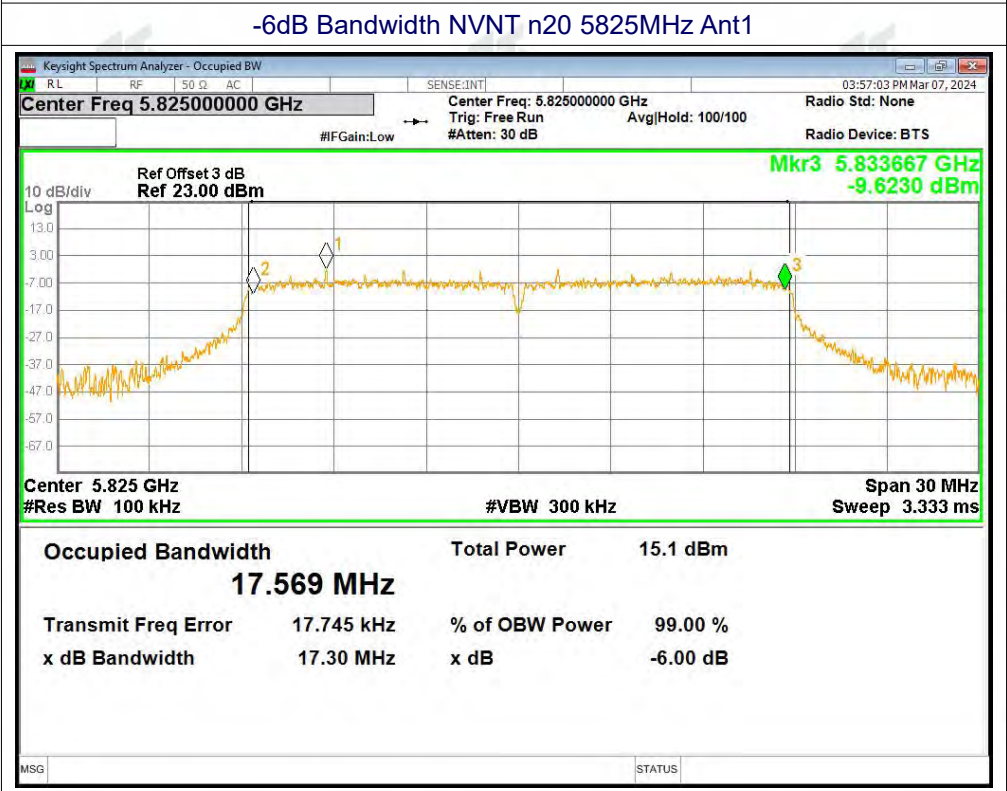
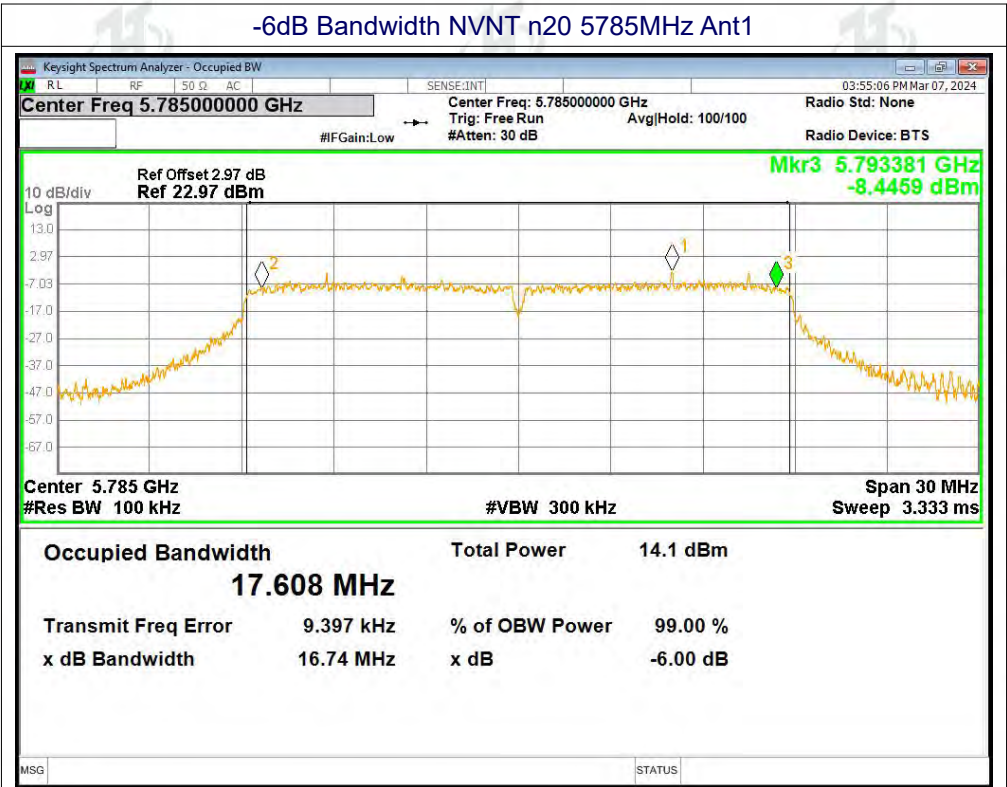


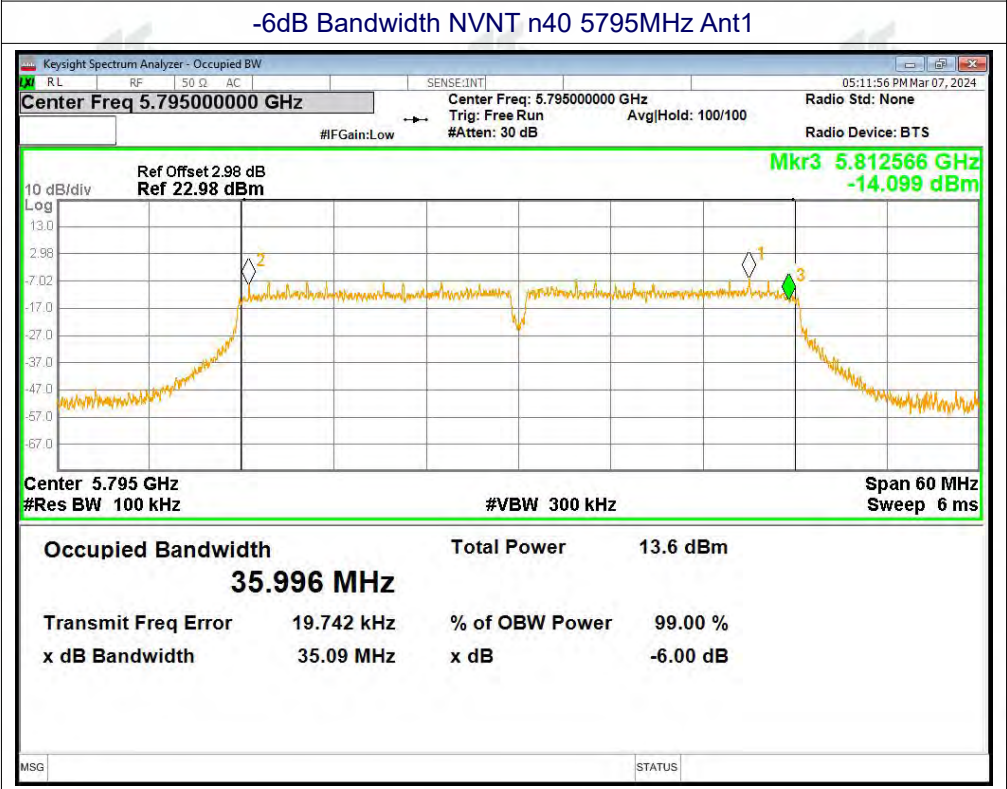
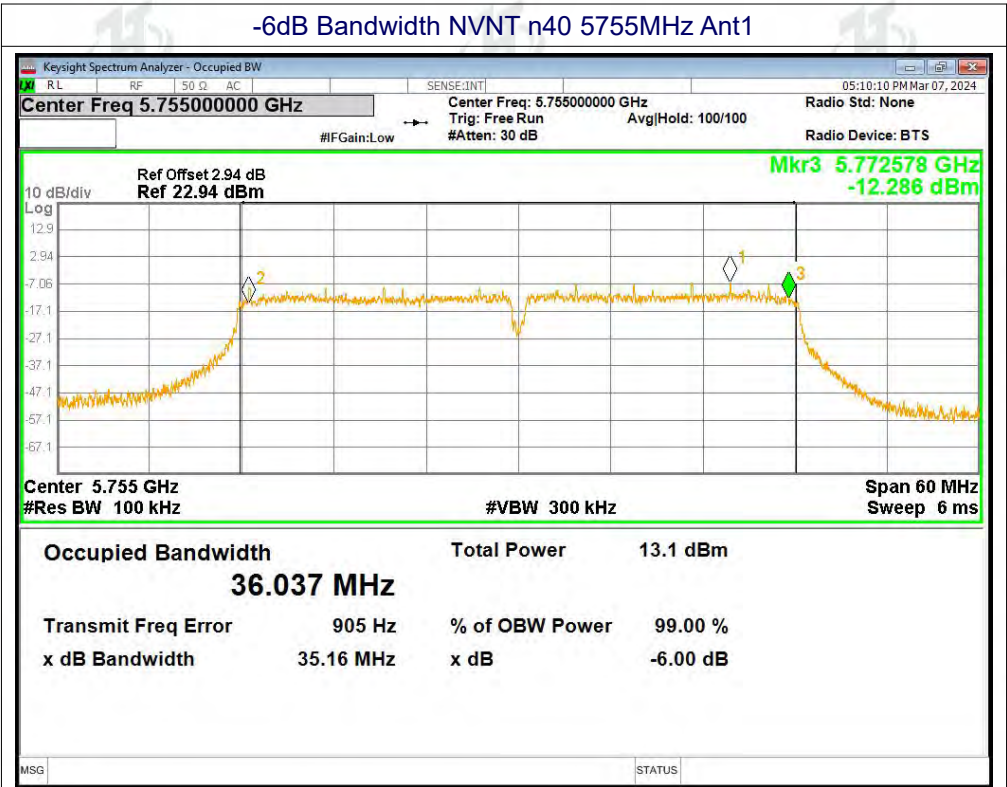
-6dB Bandwidth NVNT a 5825MHz Ant1



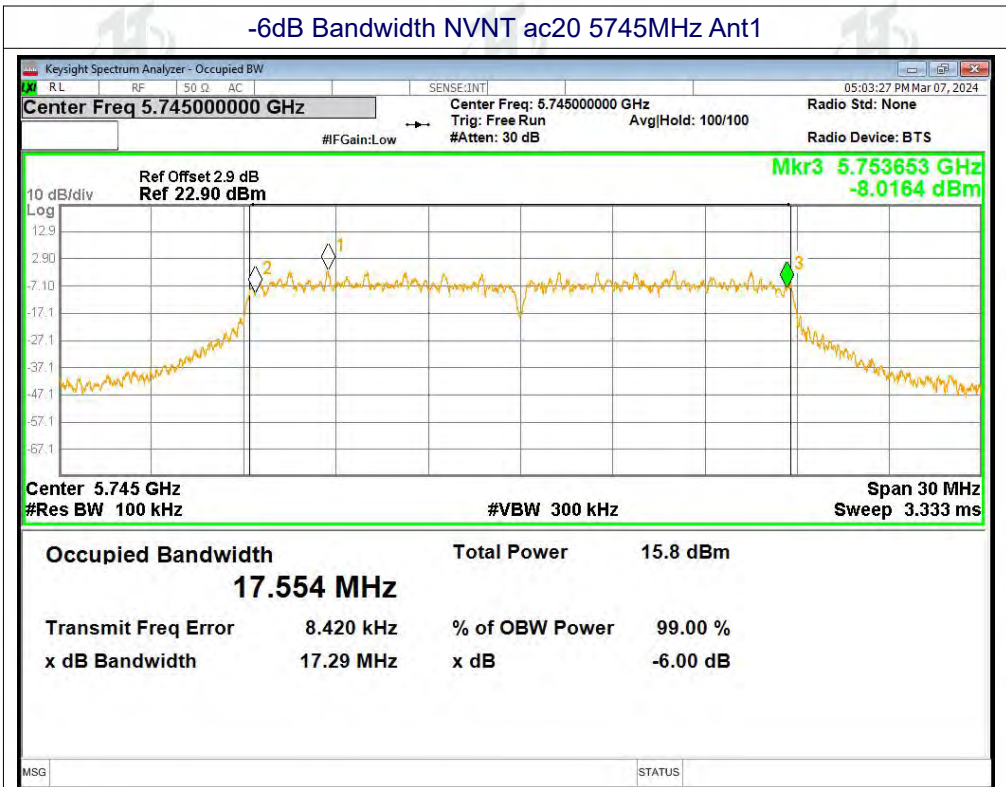
-6dB Bandwidth NVNT n20 5745MHz Ant1



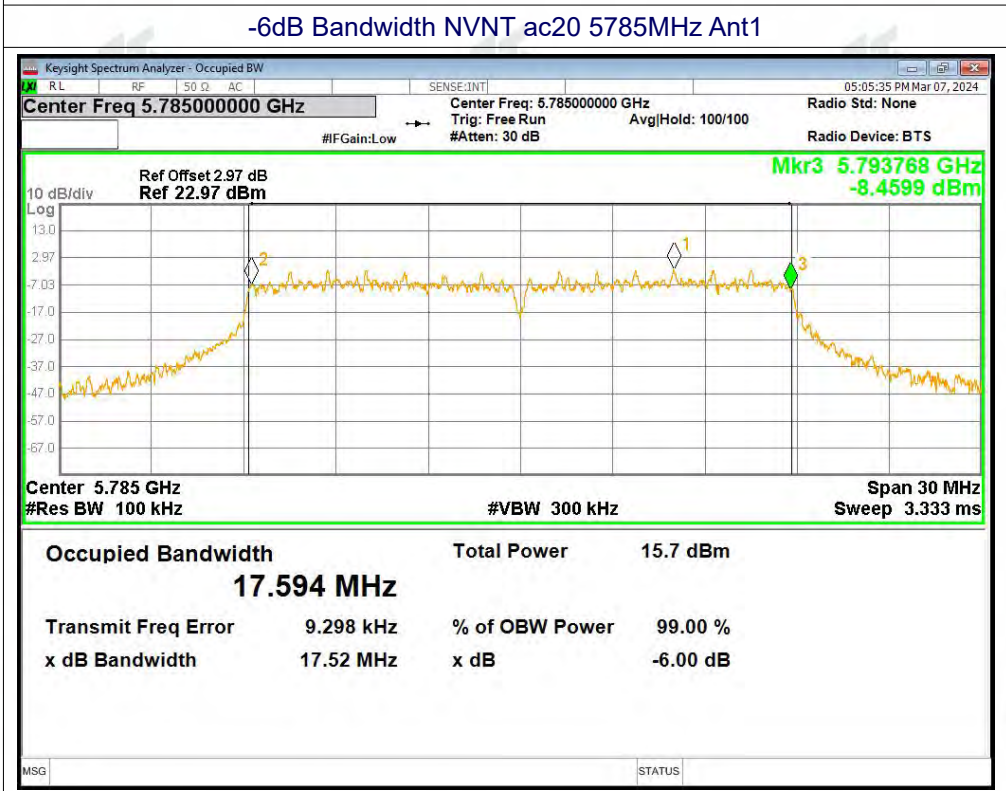


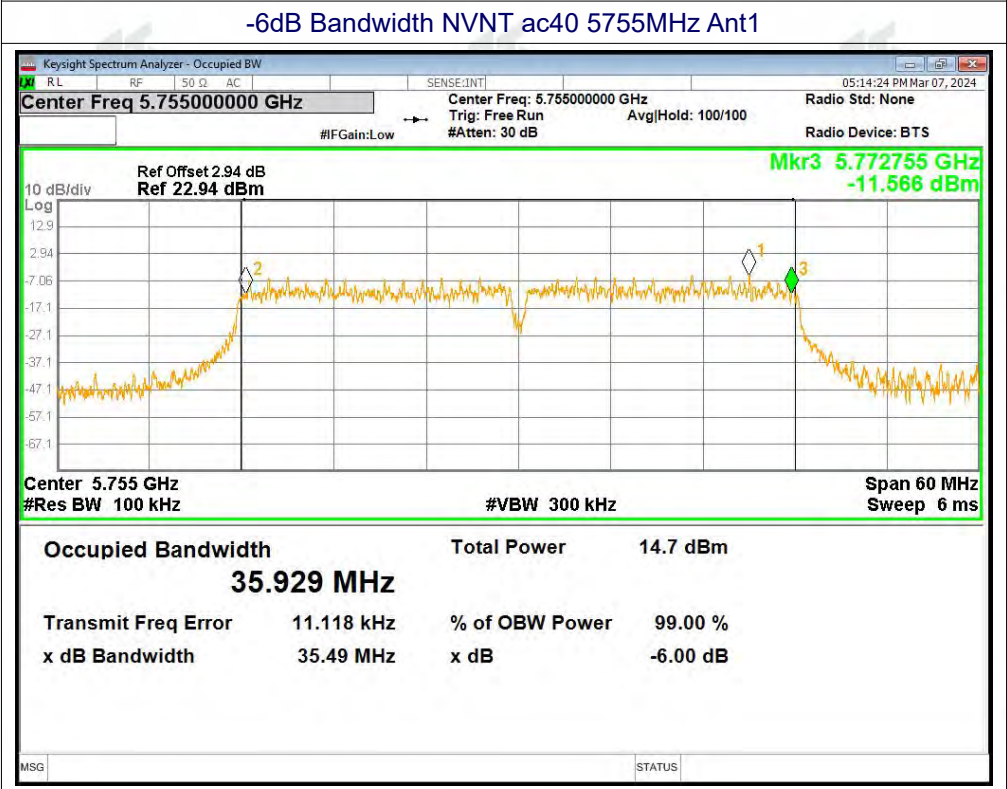
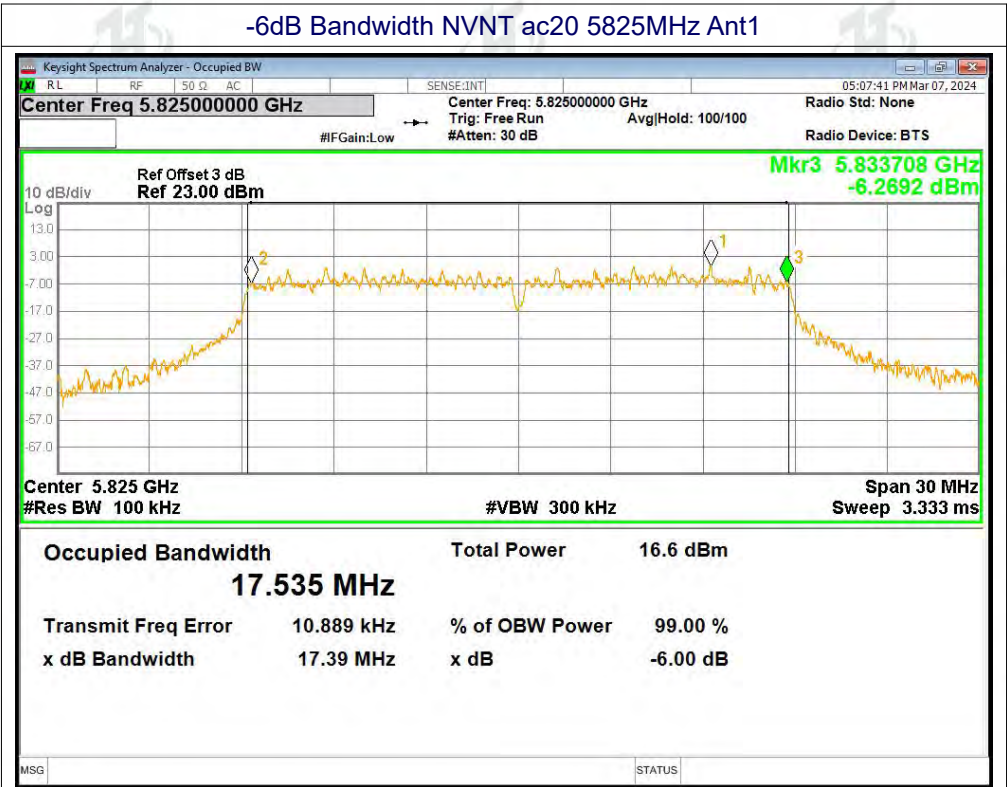


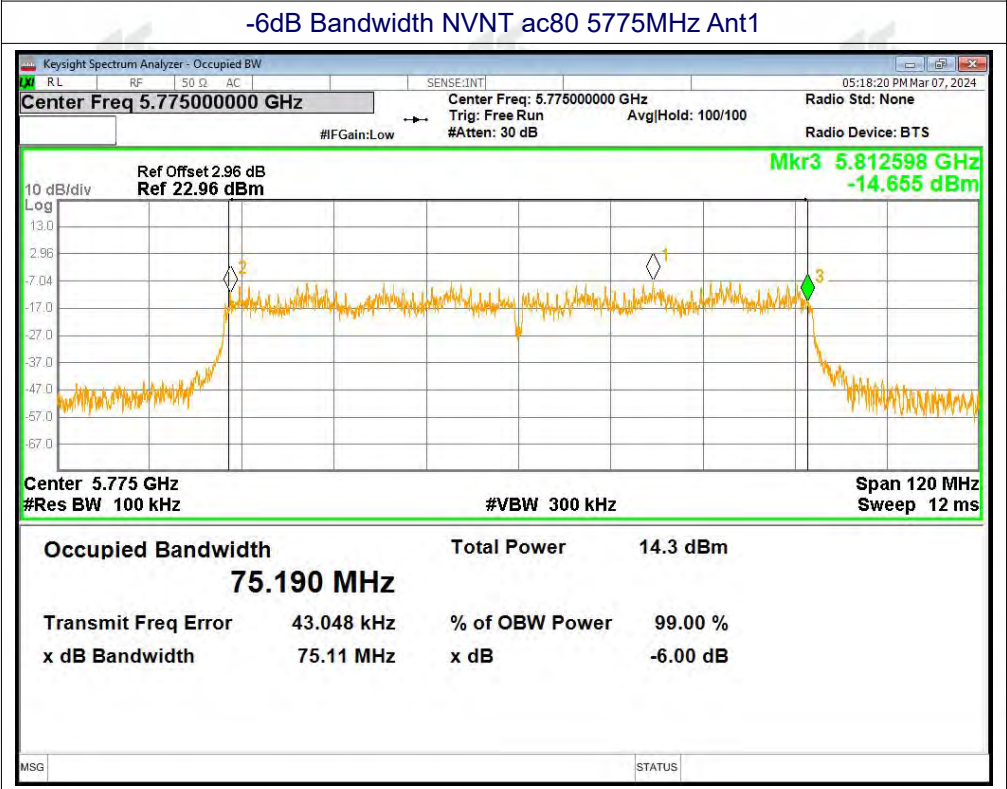
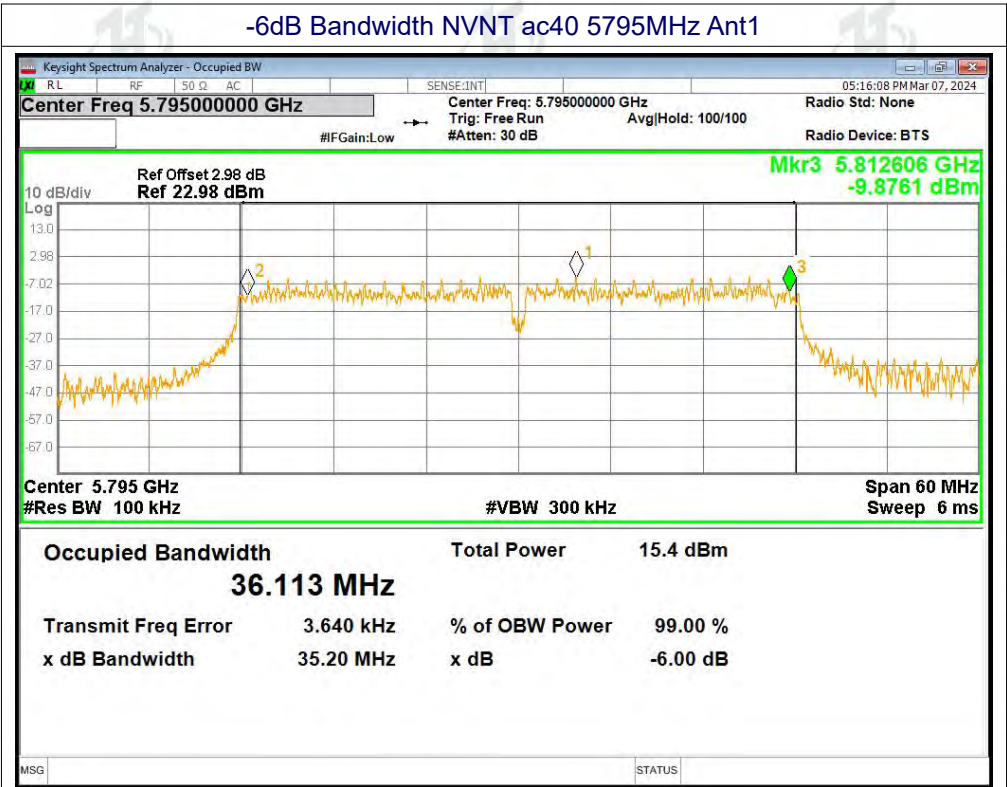
-6dB Bandwidth NVNT ac20 5745MHz Ant1



-6dB Bandwidth NVNT ac20 5785MHz Ant1

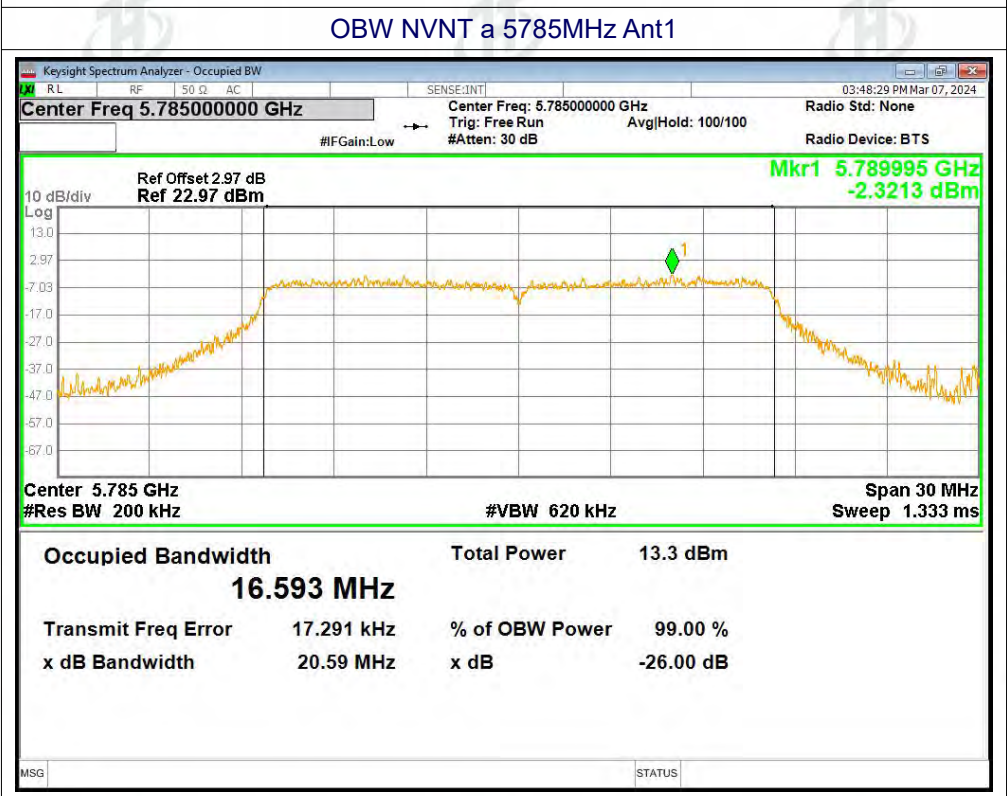
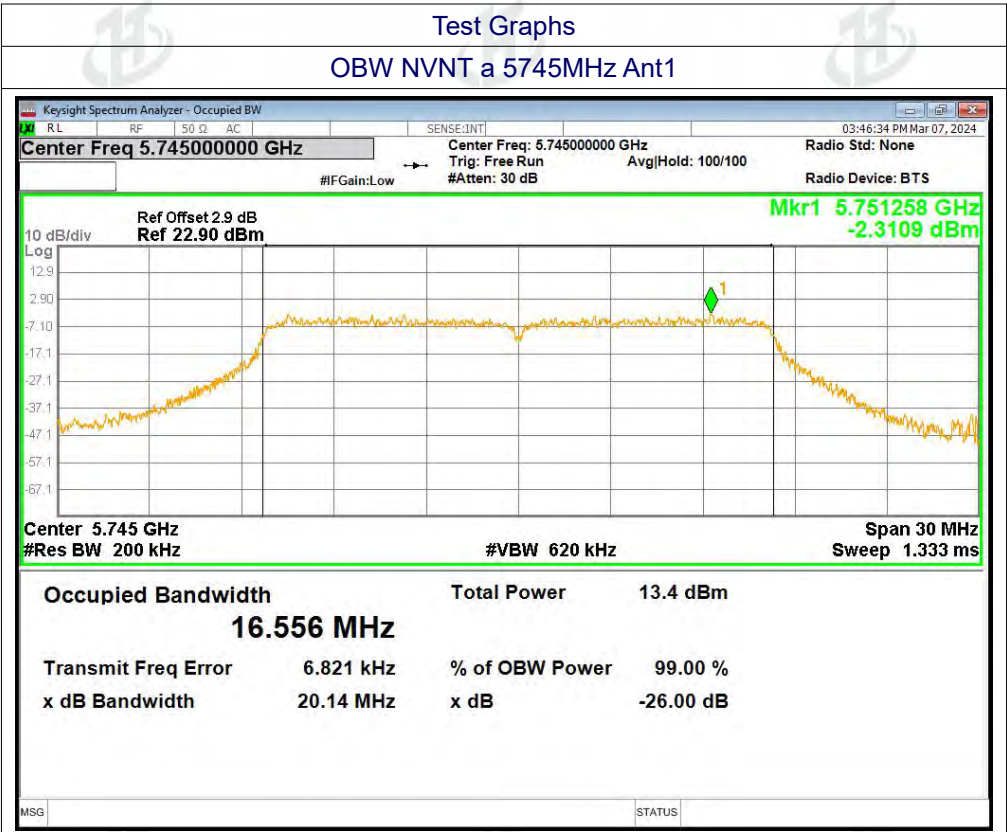




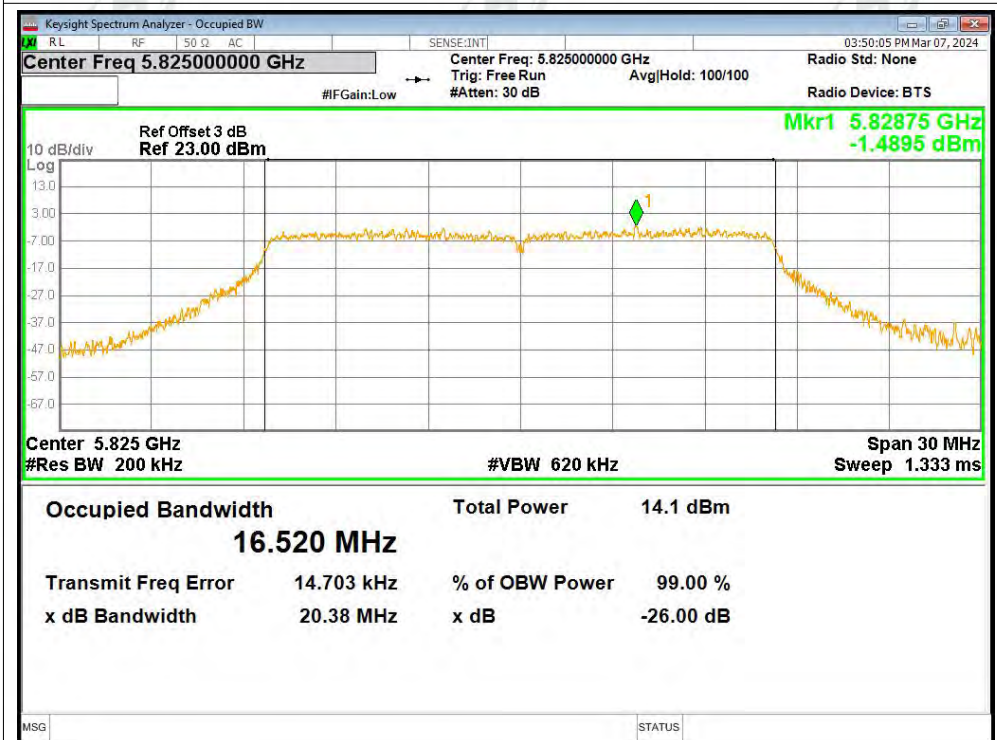


B4. Occupied Channel Bandwidth

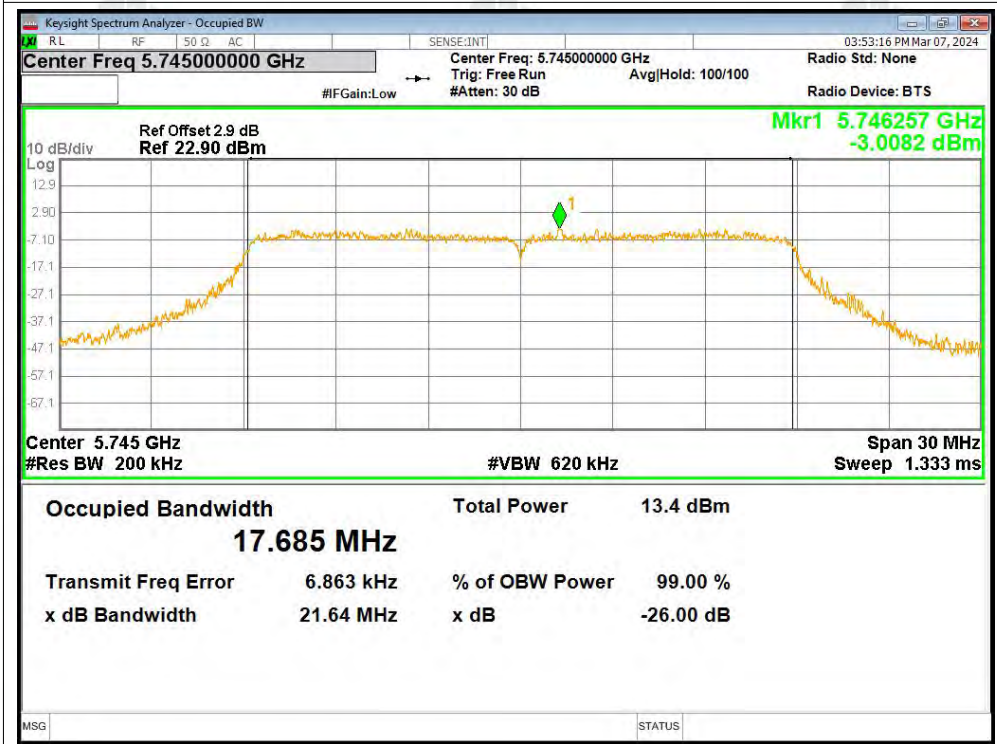
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.556
NVNT	a	5785	Ant1	16.593
NVNT	a	5825	Ant1	16.52
NVNT	n20	5745	Ant1	17.685
NVNT	n20	5785	Ant1	17.67
NVNT	n20	5825	Ant1	17.61
NVNT	n40	5755	Ant1	36.152
NVNT	n40	5795	Ant1	36.171
NVNT	ac20	5745	Ant1	17.593
NVNT	ac20	5785	Ant1	17.674
NVNT	ac20	5825	Ant1	17.565
NVNT	ac40	5755	Ant1	36.15
NVNT	ac40	5795	Ant1	36.24
NVNT	ac80	5775	Ant1	75.561



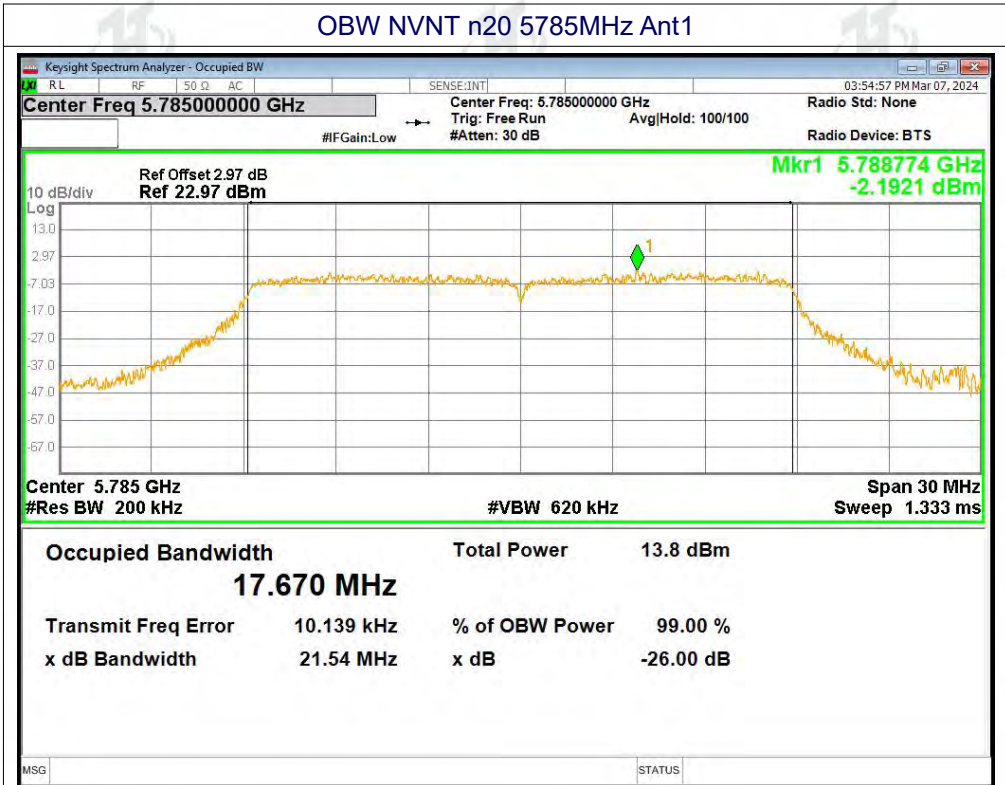
OBW NVNT a 5825MHz Ant1



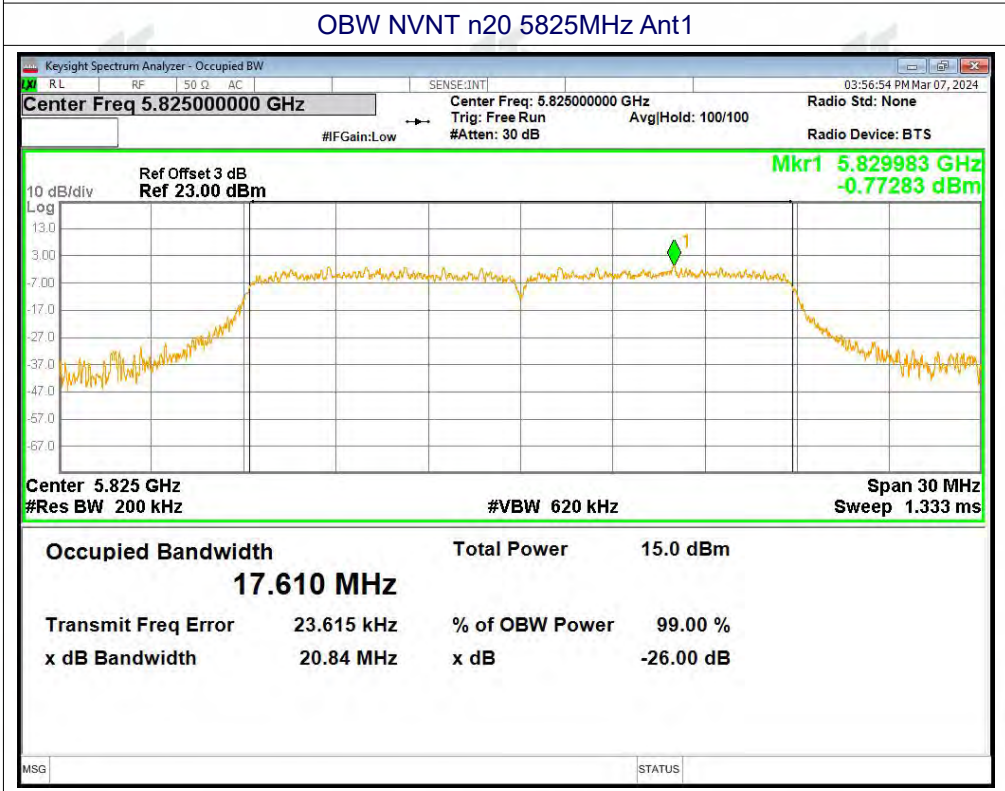
OBW NVNT n20 5745MHz Ant1



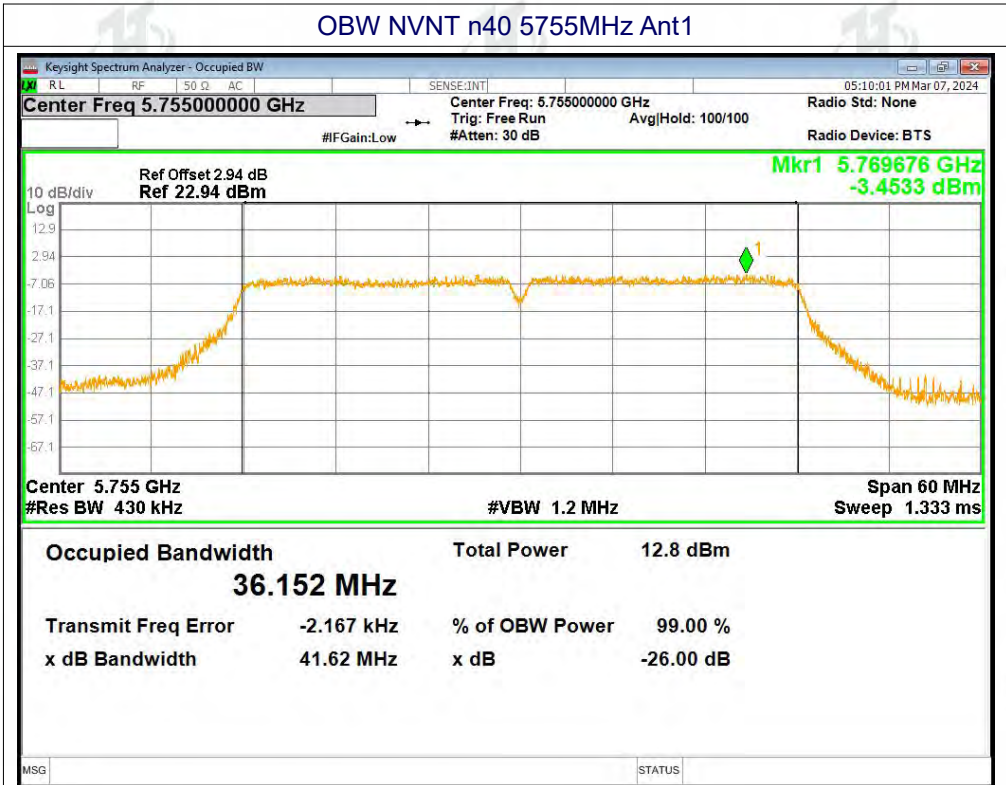
OBW NVNT n20 5785MHz Ant1



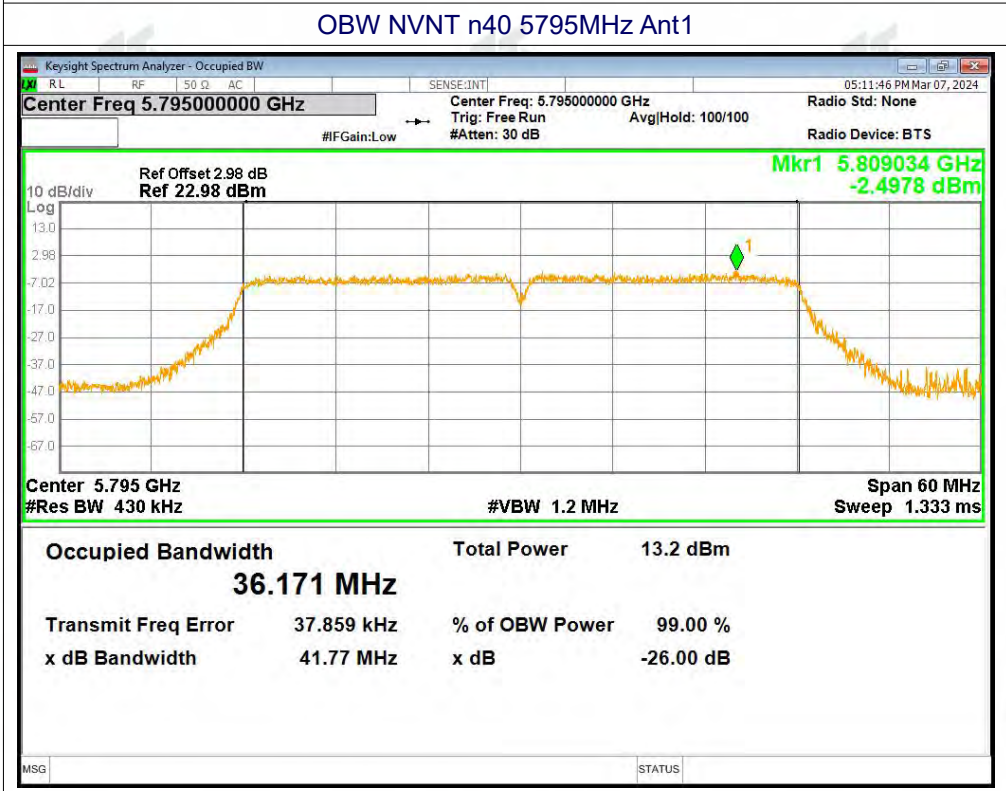
OBW NVNT n20 5825MHz Ant1



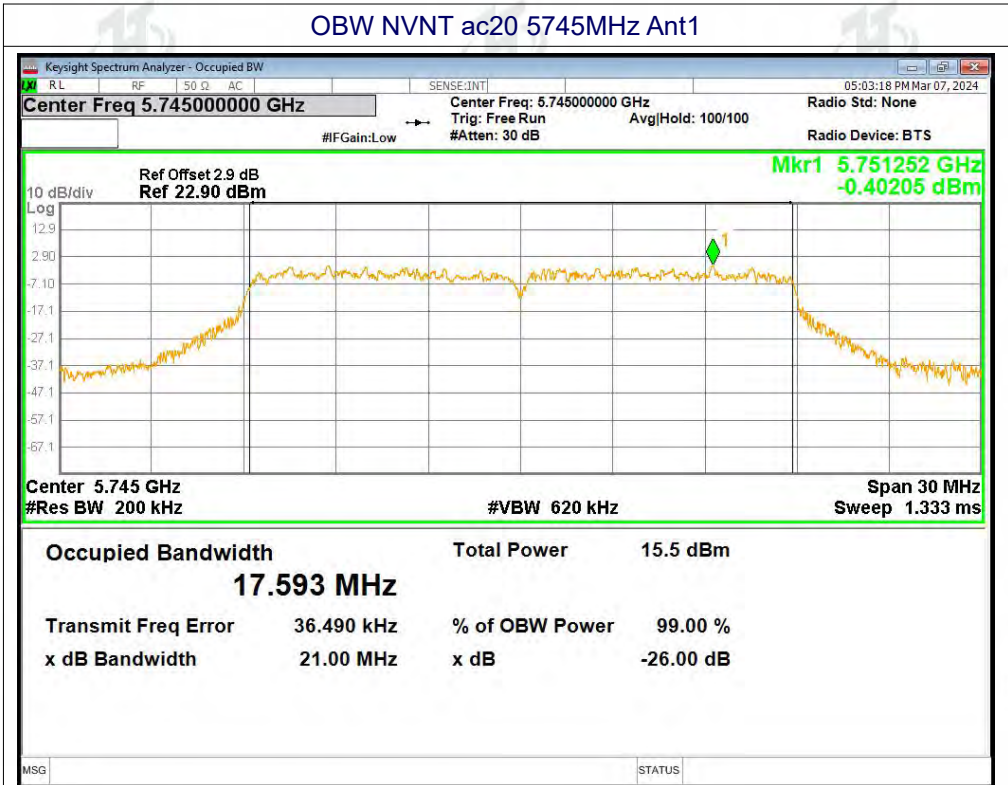
OBW NVNT n40 5755MHz Ant1



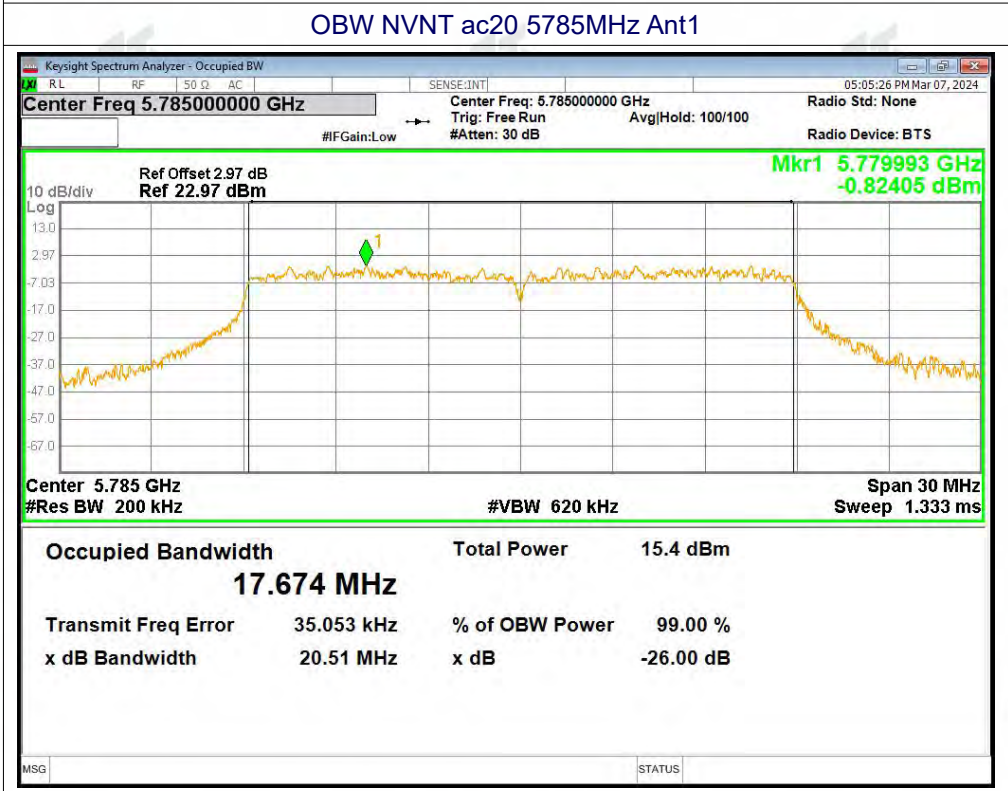
OBW NVNT n40 5795MHz Ant1



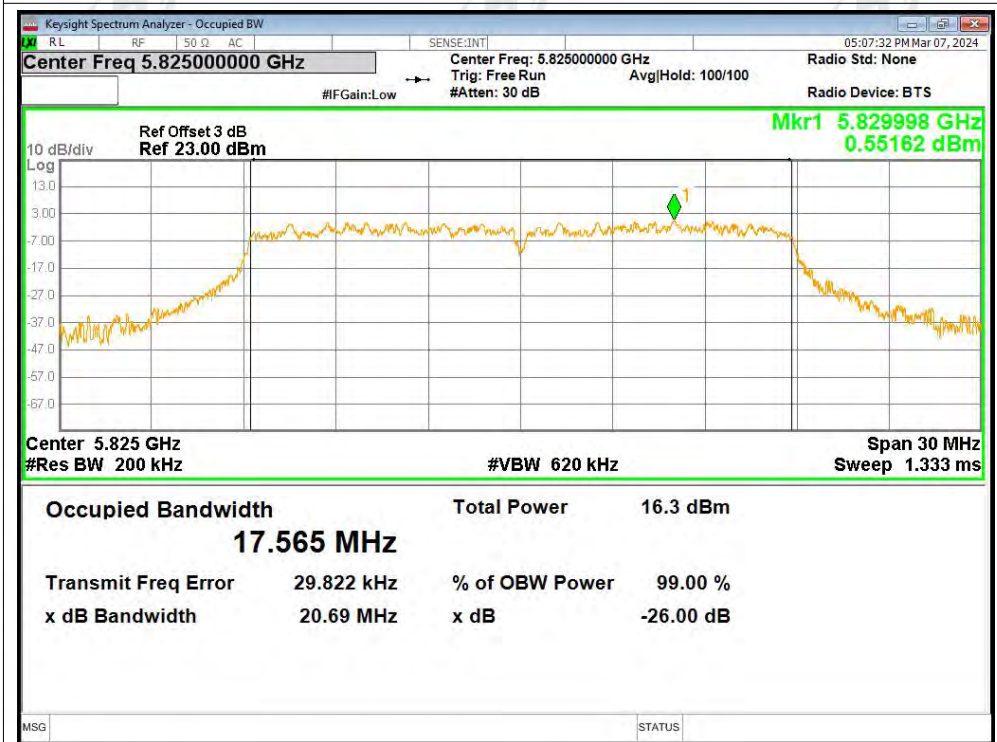
OBW NVNT ac20 5745MHz Ant1



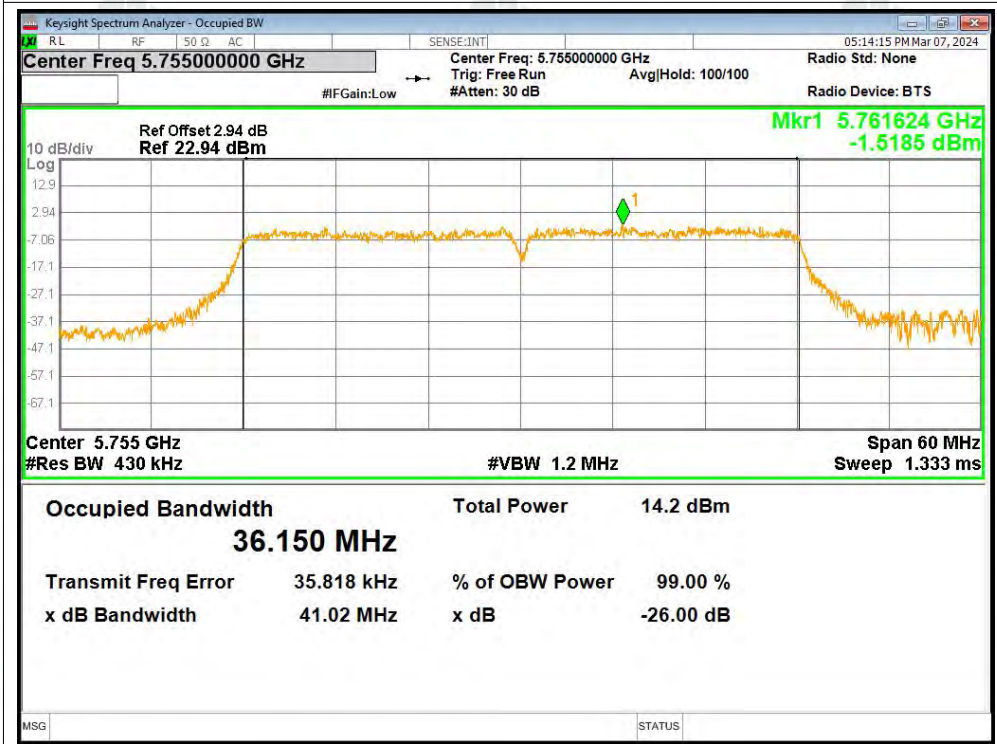
OBW NVNT ac20 5785MHz Ant1

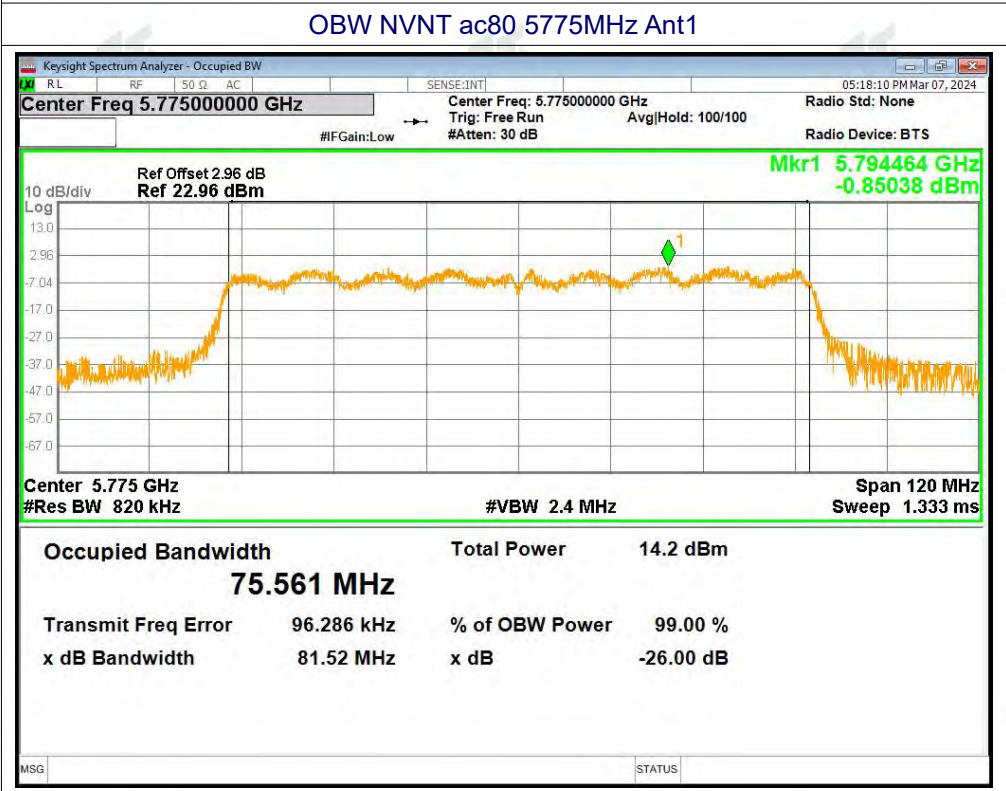
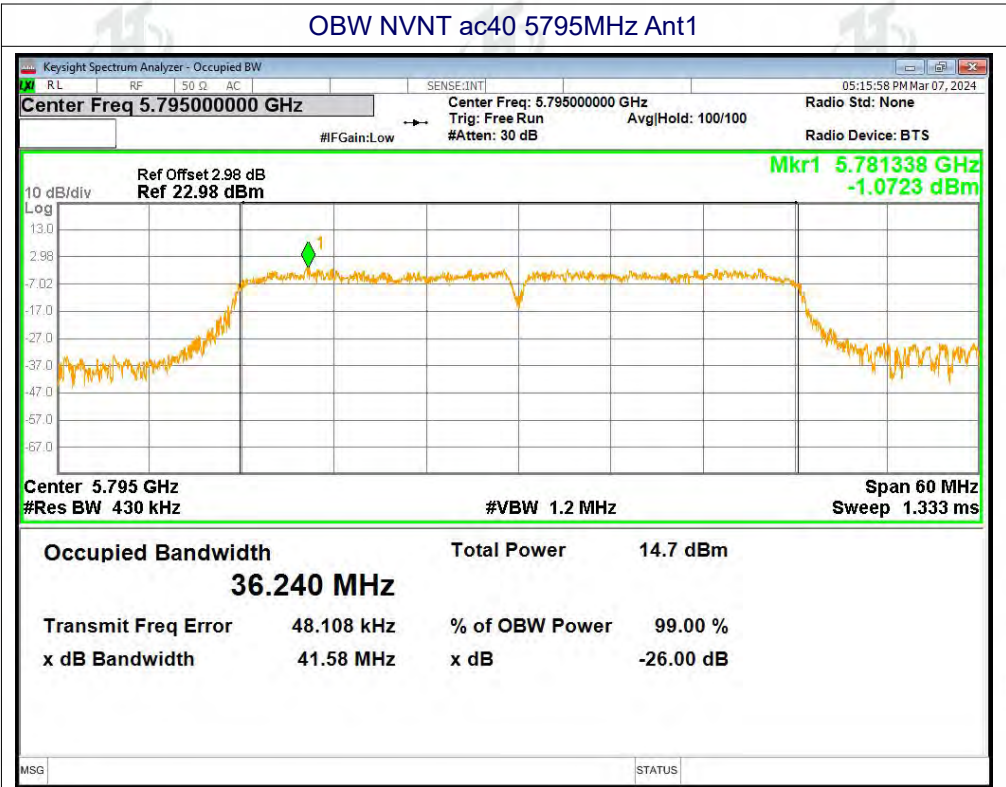


OBW NVNT ac20 5825MHz Ant1



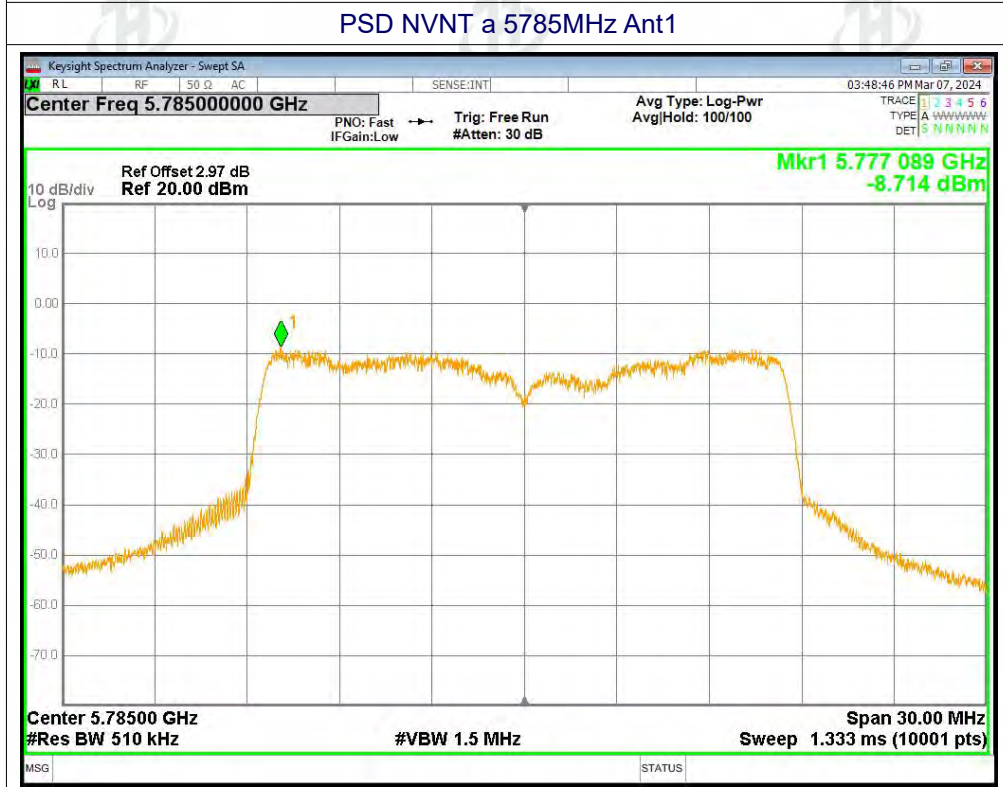
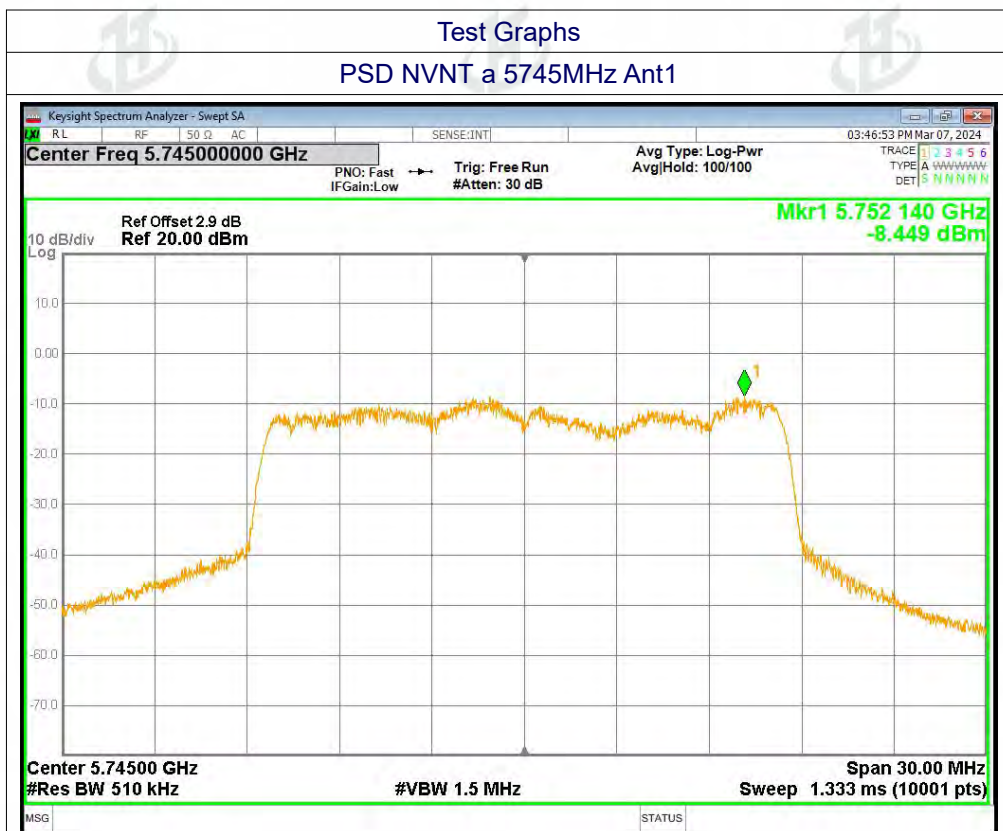
OBW NVNT ac40 5755MHz Ant1



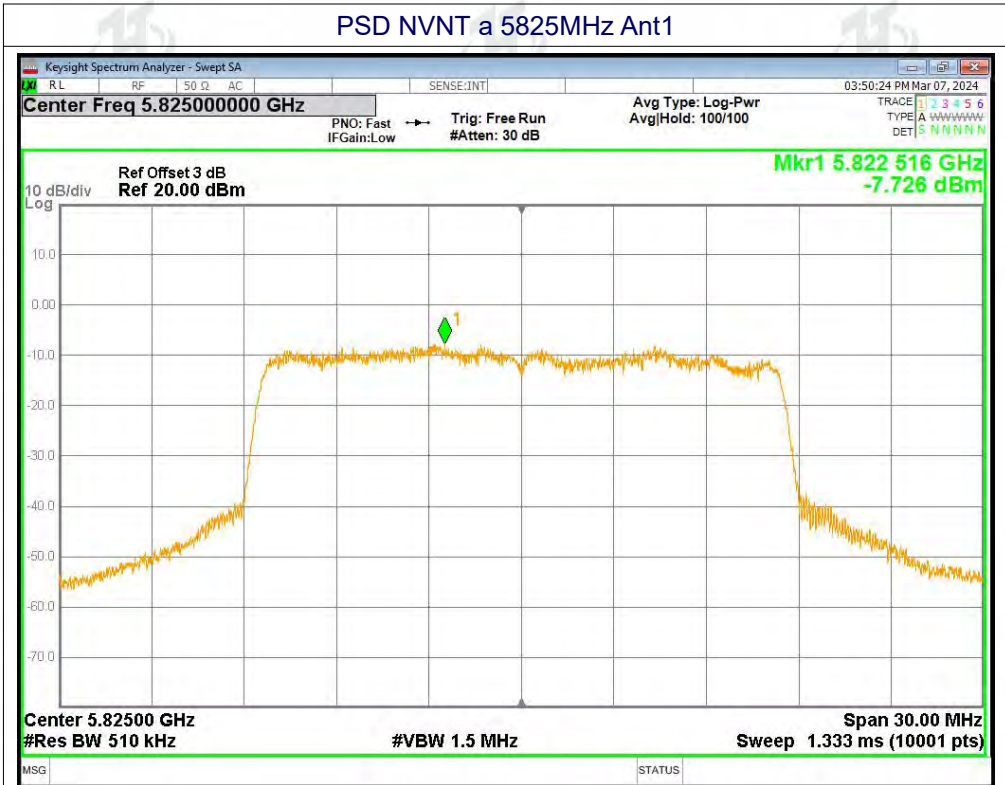


B5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-8.45	0.34	-8.11	30	Pass
NVNT	a	5785	Ant1	-8.71	0.34	-8.37	30	Pass
NVNT	a	5825	Ant1	-7.73	0	-7.73	30	Pass
NVNT	n20	5745	Ant1	-9.69	0.26	-9.43	30	Pass
NVNT	n20	5785	Ant1	-8.69	0.11	-8.58	30	Pass
NVNT	n20	5825	Ant1	-7.42	0.26	-7.16	30	Pass
NVNT	n40	5755	Ant1	-13.03	0.13	-12.9	30	Pass
NVNT	n40	5795	Ant1	-13.69	0.18	-13.51	30	Pass
NVNT	ac20	5745	Ant1	-17.95	2.3	-15.65	30	Pass
NVNT	ac20	5785	Ant1	-18.18	1.14	-17.04	30	Pass
NVNT	ac20	5825	Ant1	-20.16	2.43	-17.73	30	Pass
NVNT	ac40	5755	Ant1	-31.14	2.37	-28.77	30	Pass
NVNT	ac40	5795	Ant1	-30.25	3.2	-27.05	30	Pass
NVNT	ac80	5775	Ant1	-43.39	4.95	-38.44	30	Pass



PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1

