

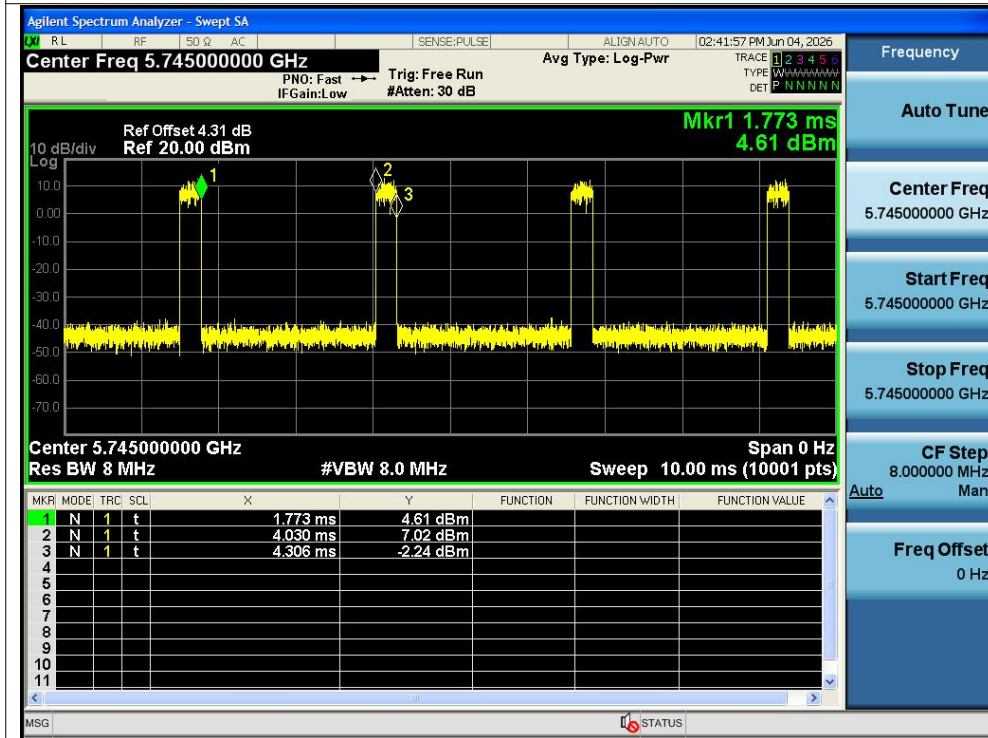
Appendix F_5.8G WIFI

Duty Cycle

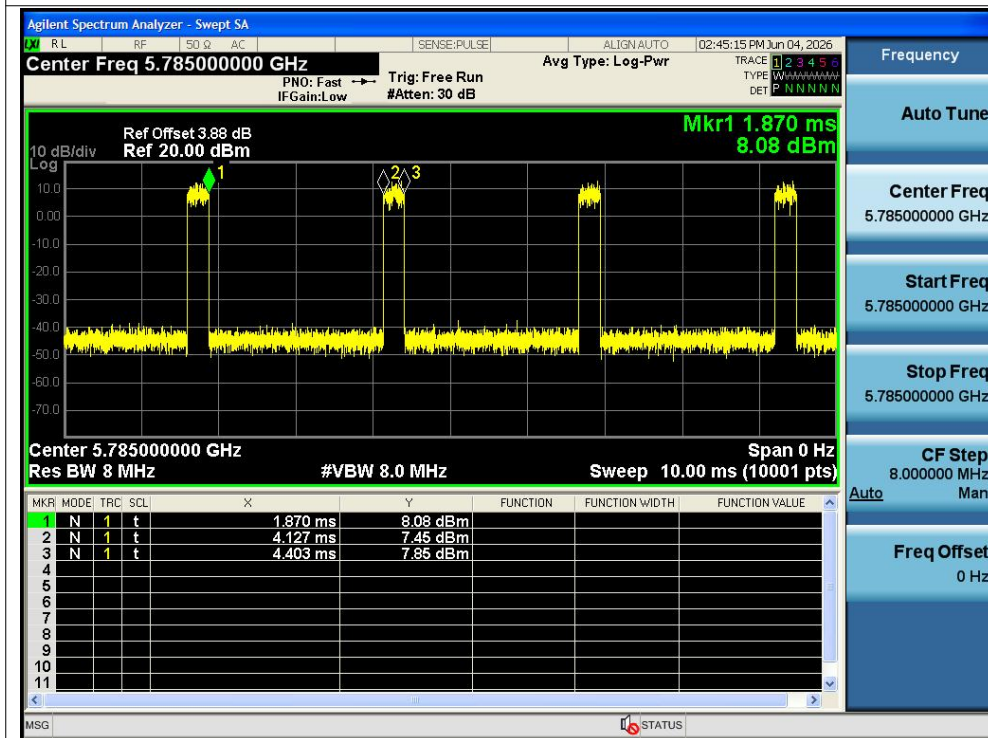
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	10.9	9.63	3.62
NVNT	a	5785	Ant1	10.9	9.63	3.62
NVNT	a	5825	Ant1	10.9	9.63	3.62
NVNT	n20	5745	Ant1	11.45	9.41	3.42
NVNT	n20	5785	Ant1	11.48	9.4	3.41
NVNT	n20	5825	Ant1	11.44	9.42	3.42
NVNT	n40	5755	Ant1	11.09	9.55	3.41
NVNT	n40	5795	Ant1	11.06	9.56	3.42

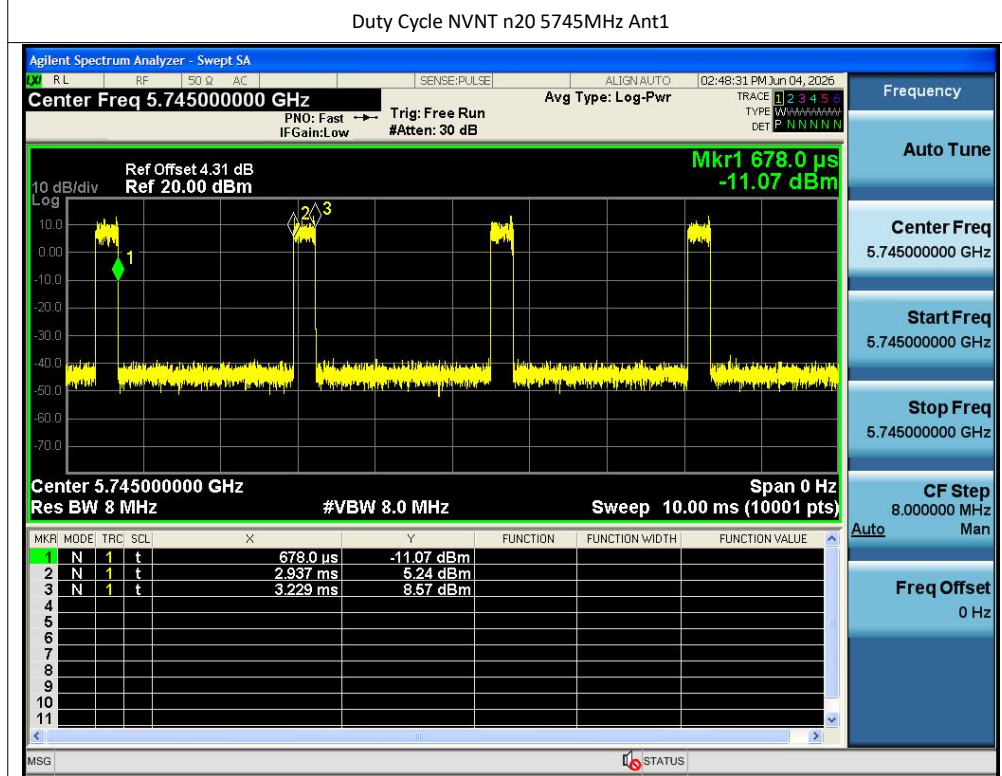
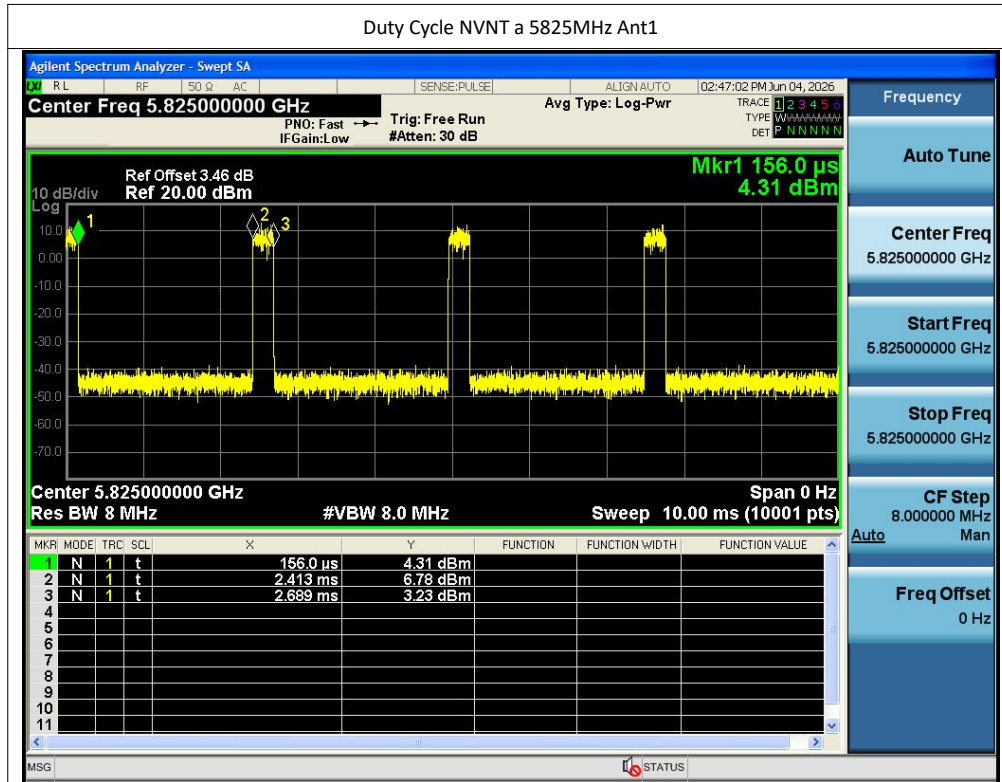
Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

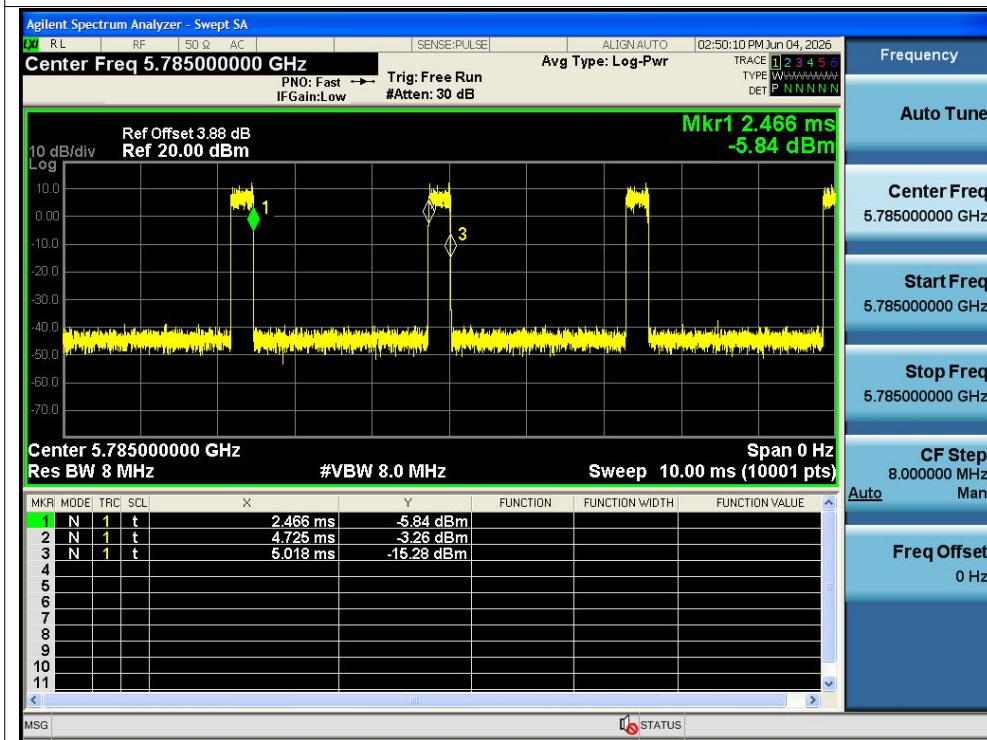


Duty Cycle NVNT a 5785MHz Ant1

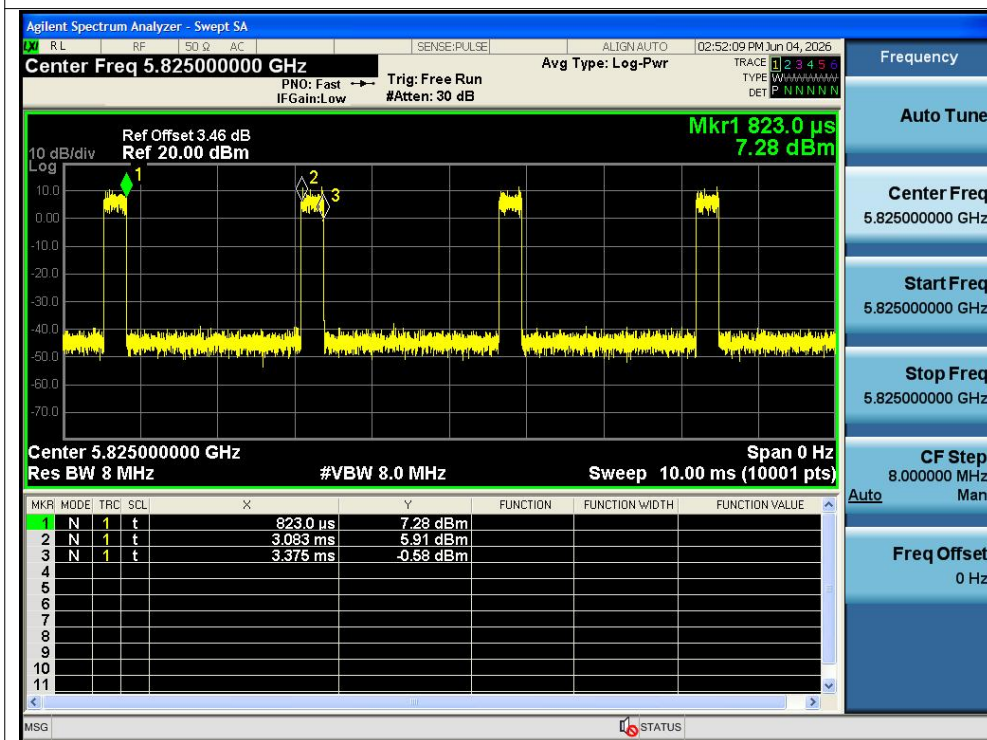




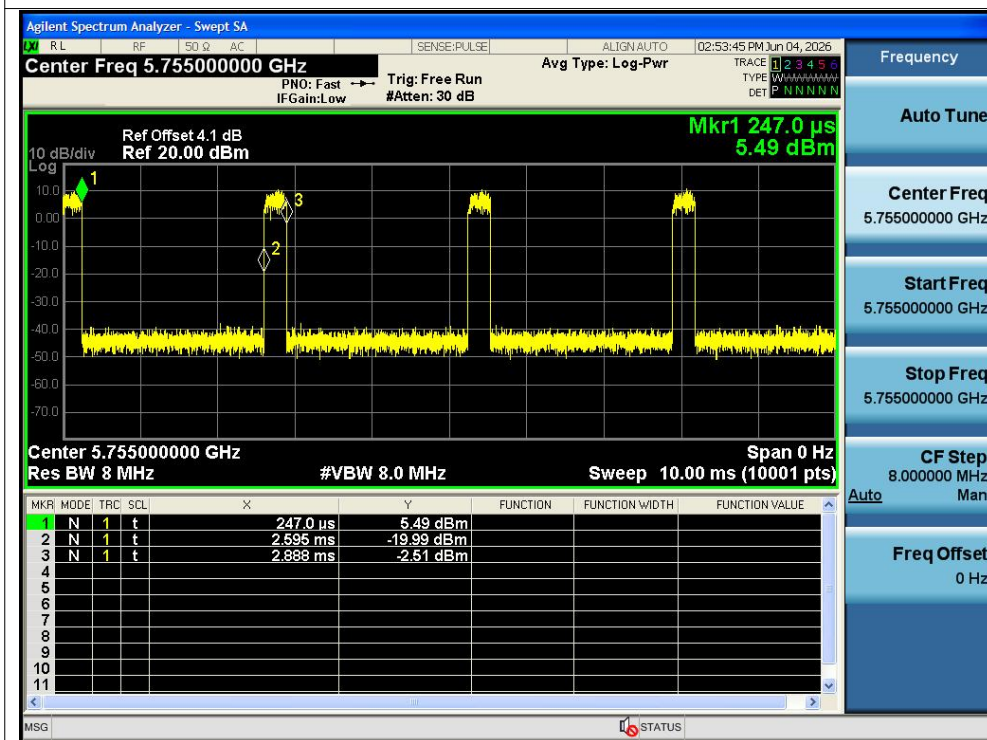
Duty Cycle NVNT n20 5785MHz Ant1



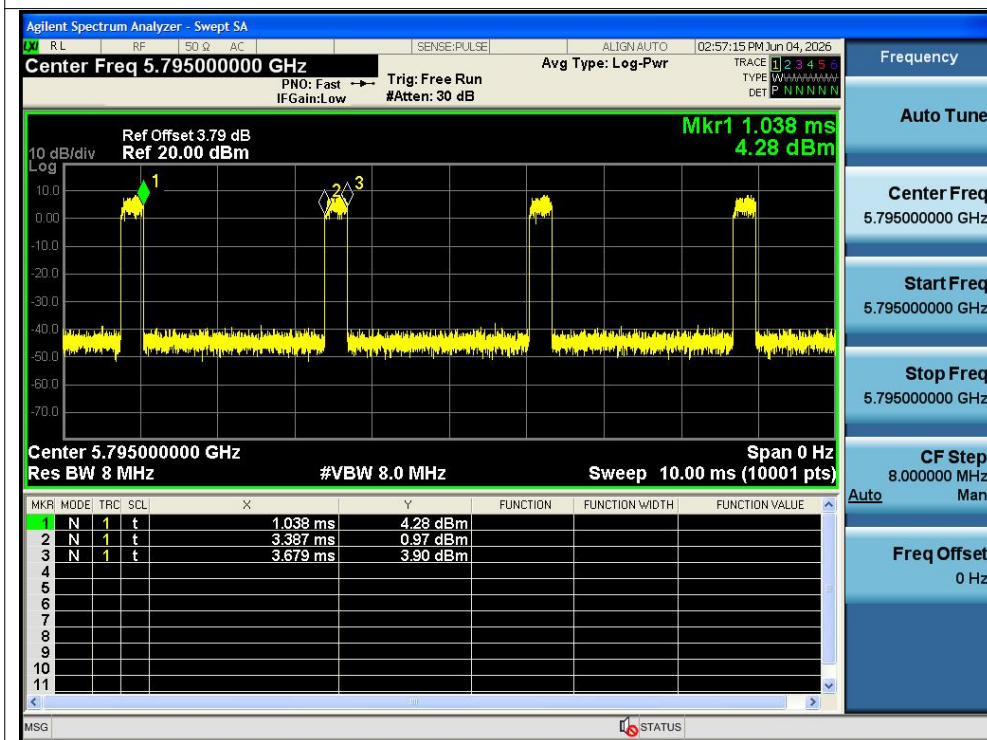
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1

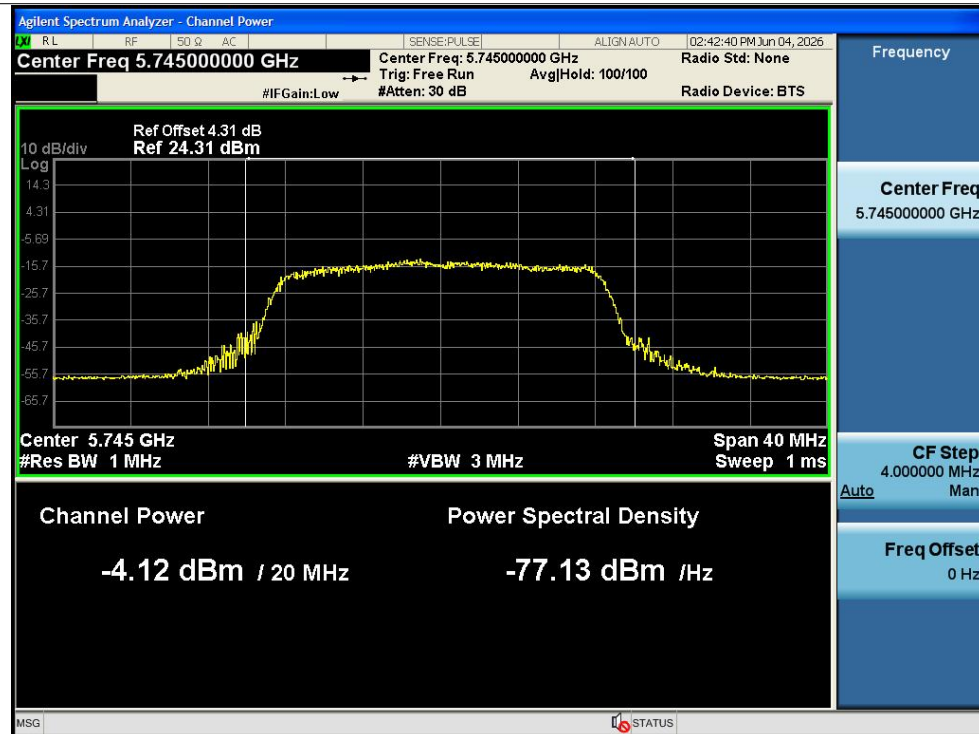


Maximum Conducted Output Power

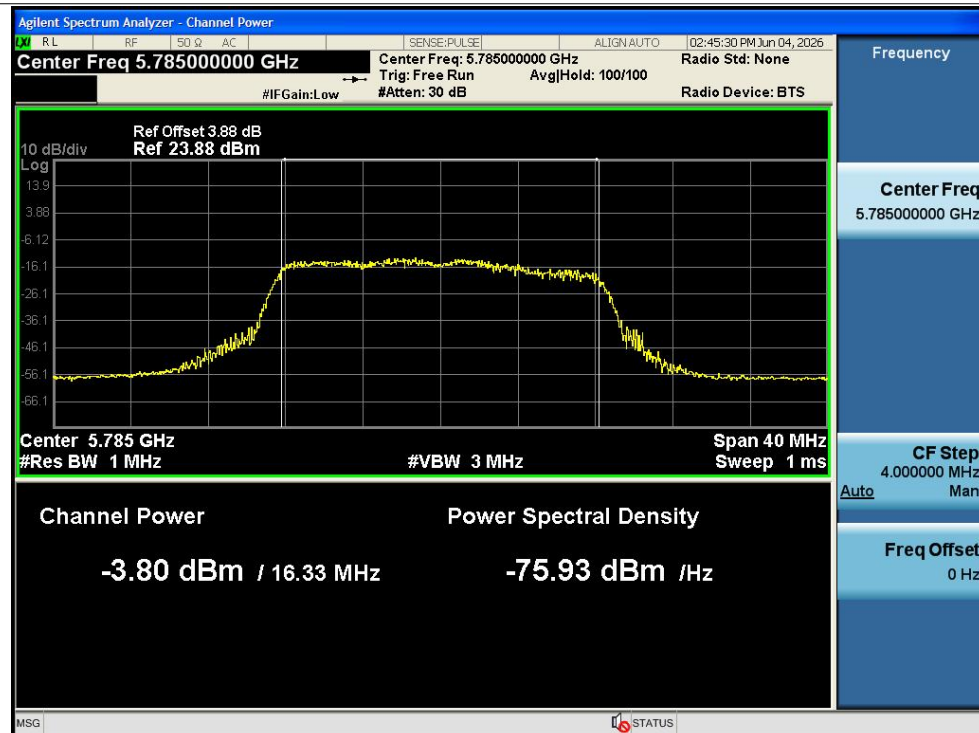
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-4.12	9.63	5.51	30	Pass
NVNT	a	5785	Ant1	-3.8	9.63	5.83	30	Pass
NVNT	a	5825	Ant1	-3.95	9.63	5.68	30	Pass
NVNT	n20	5745	Ant1	-3.63	9.41	5.78	30	Pass
NVNT	n20	5785	Ant1	-3.93	9.4	5.47	30	Pass
NVNT	n20	5825	Ant1	-3.85	9.42	5.57	30	Pass
NVNT	n40	5755	Ant1	-4.49	9.55	5.06	30	Pass
NVNT	n40	5795	Ant1	-4.63	9.56	4.93	30	Pass

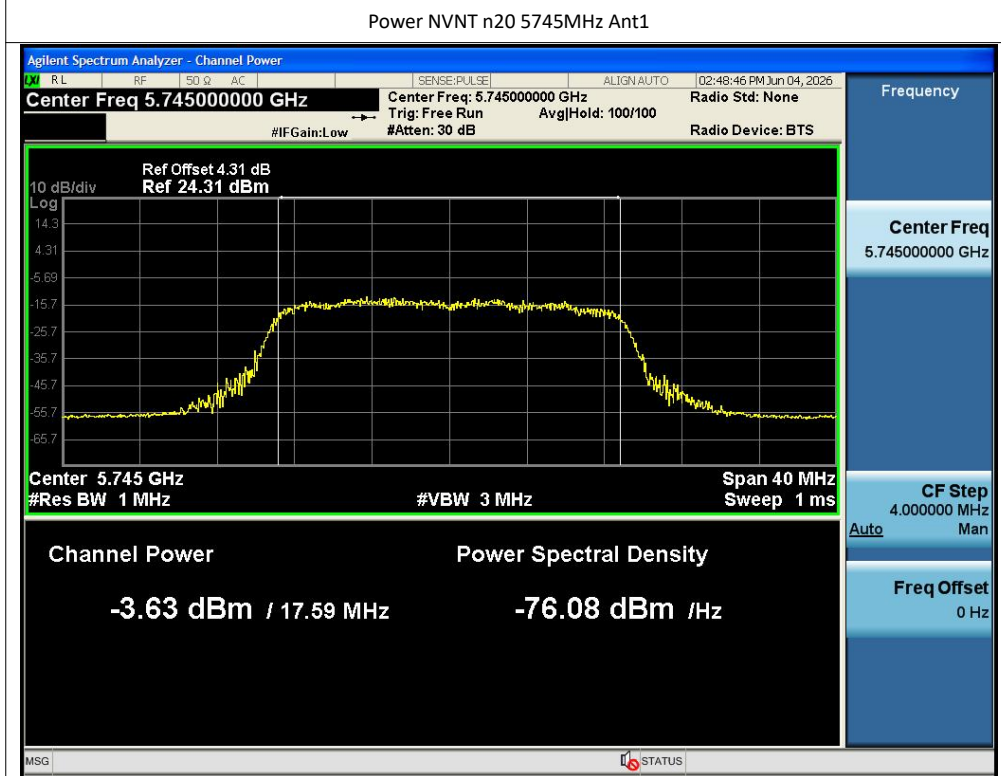
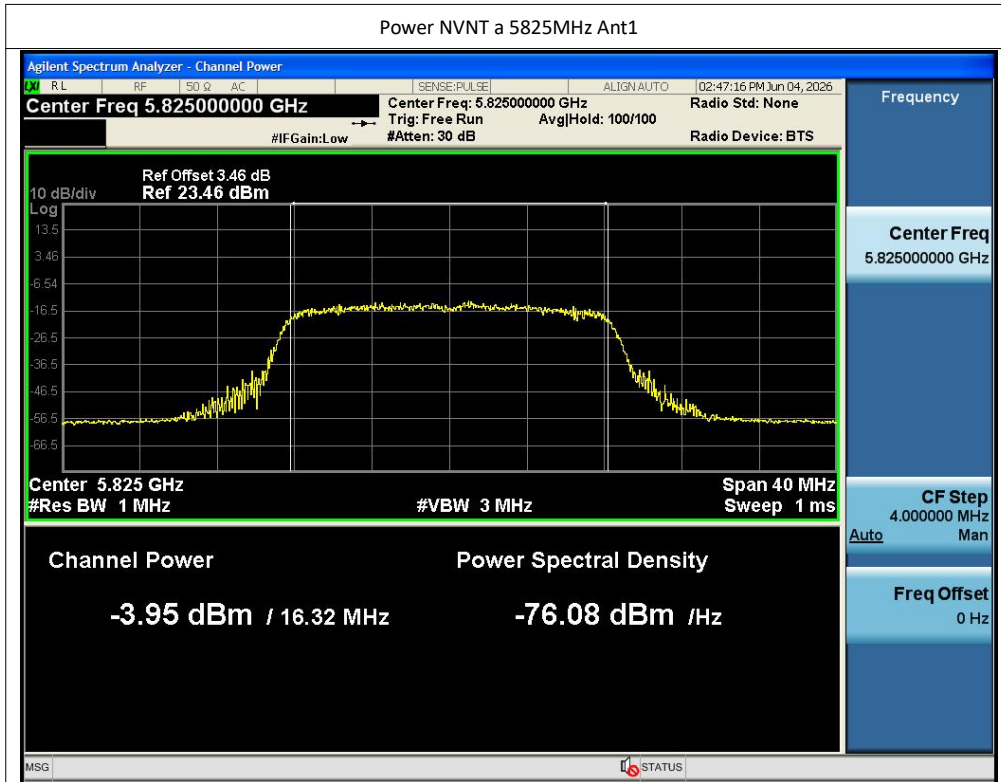
Test Graphs

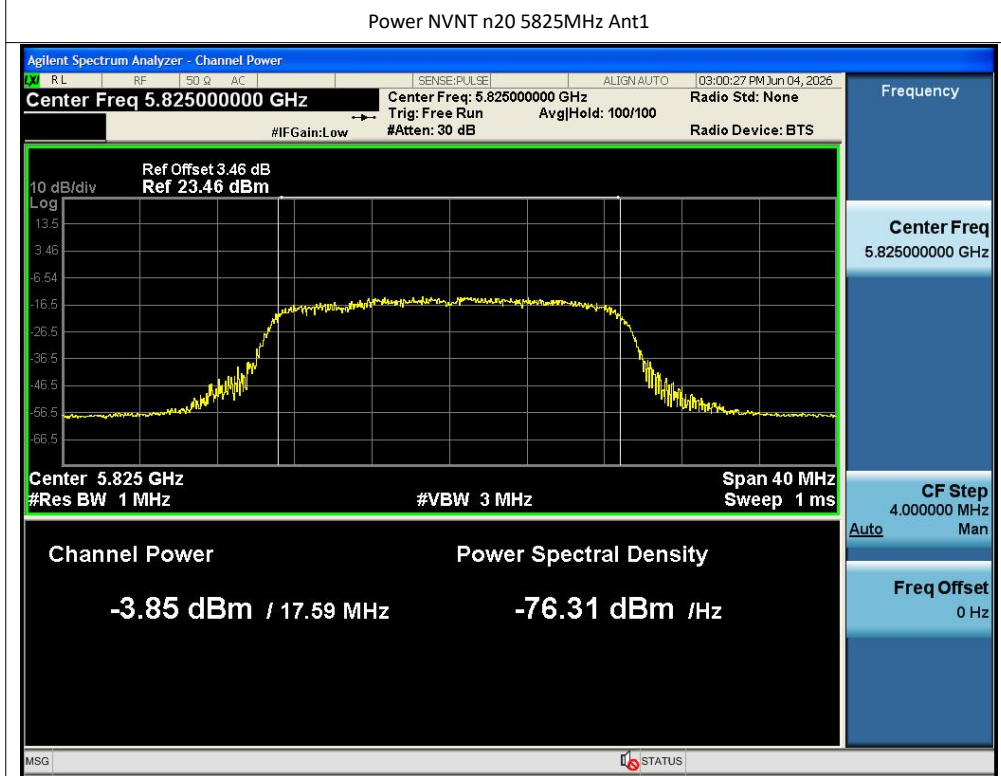
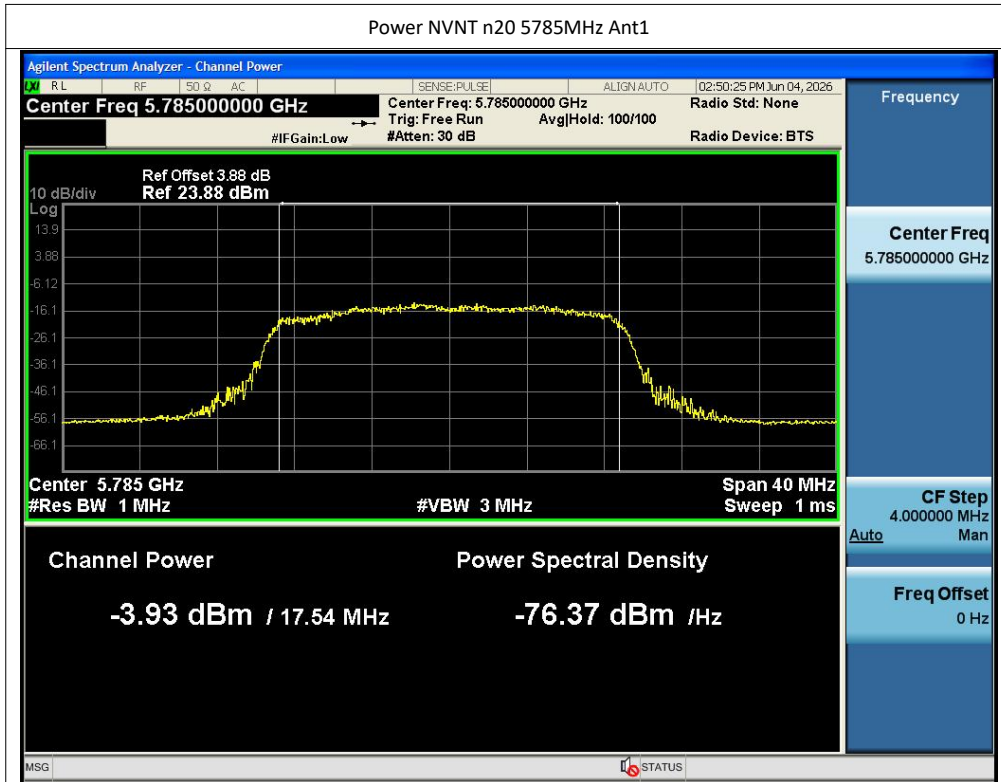
Power NVNT a 5745MHz Ant1

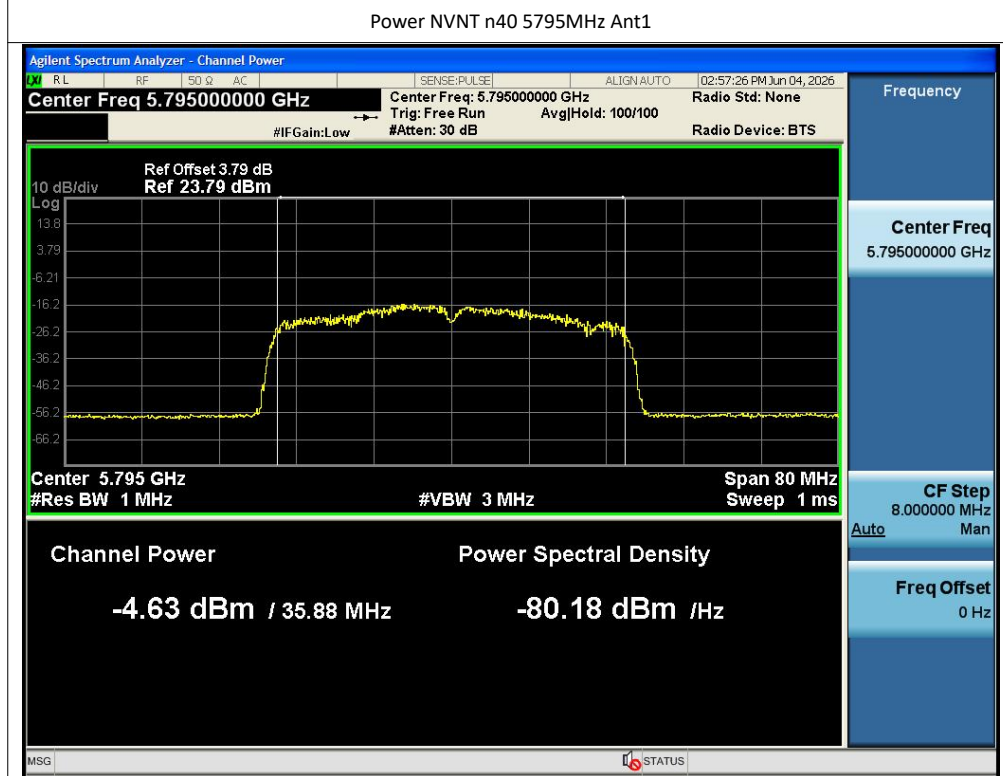
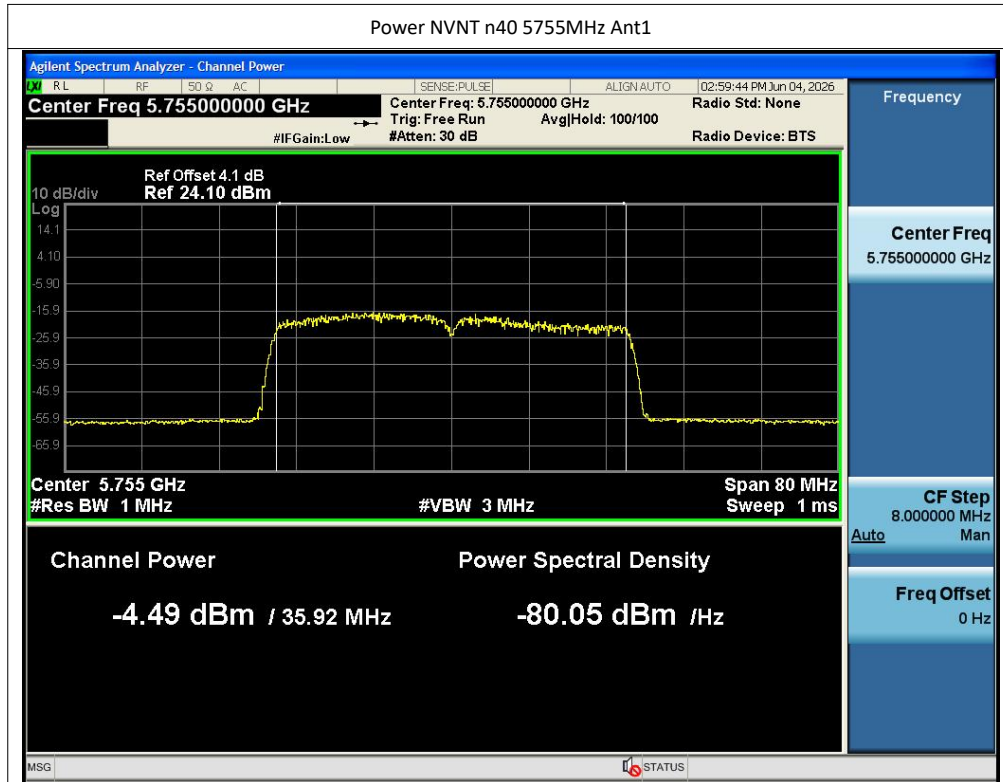


Power NVNT a 5785MHz Ant1







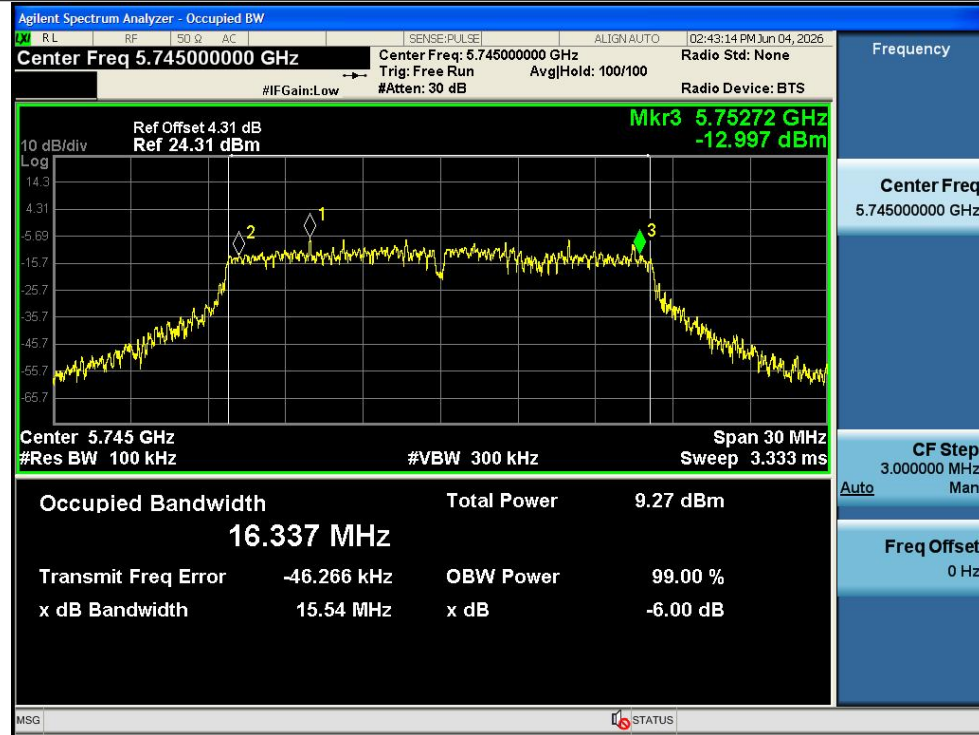


-6dB Bandwidth

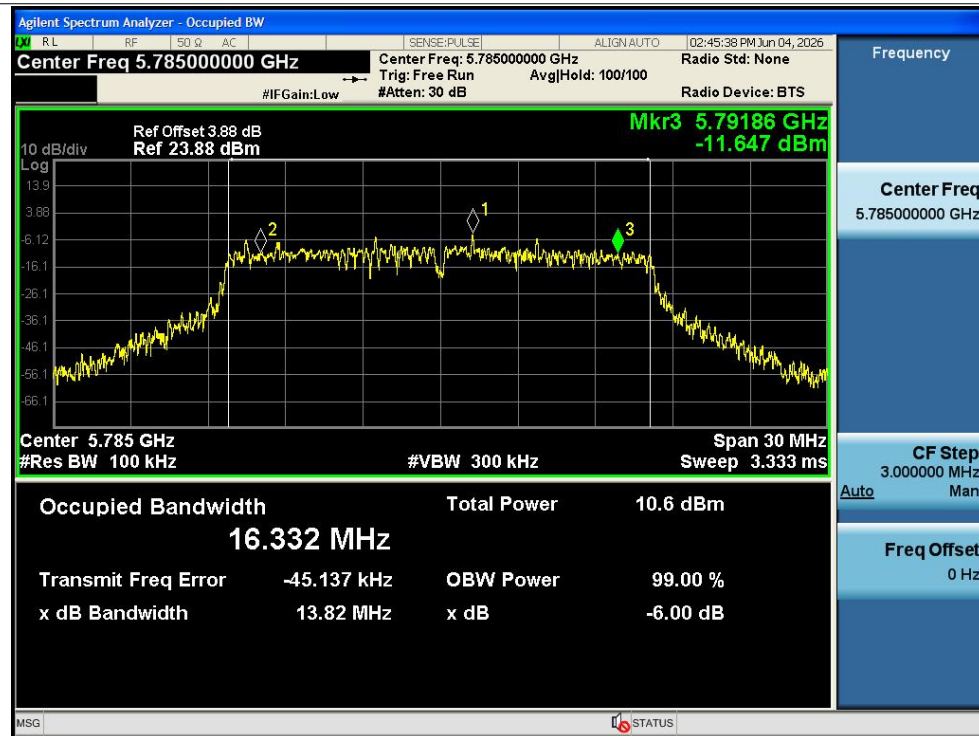
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.54	0.5	Pass
NVNT	a	5785	Ant1	13.82	0.5	Pass
NVNT	a	5825	Ant1	13.63	0.5	Pass
NVNT	n20	5745	Ant1	12.6	0.5	Pass
NVNT	n20	5785	Ant1	15.42	0.5	Pass
NVNT	n20	5825	Ant1	14.39	0.5	Pass
NVNT	n40	5755	Ant1	31.43	0.5	Pass
NVNT	n40	5795	Ant1	33.53	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1



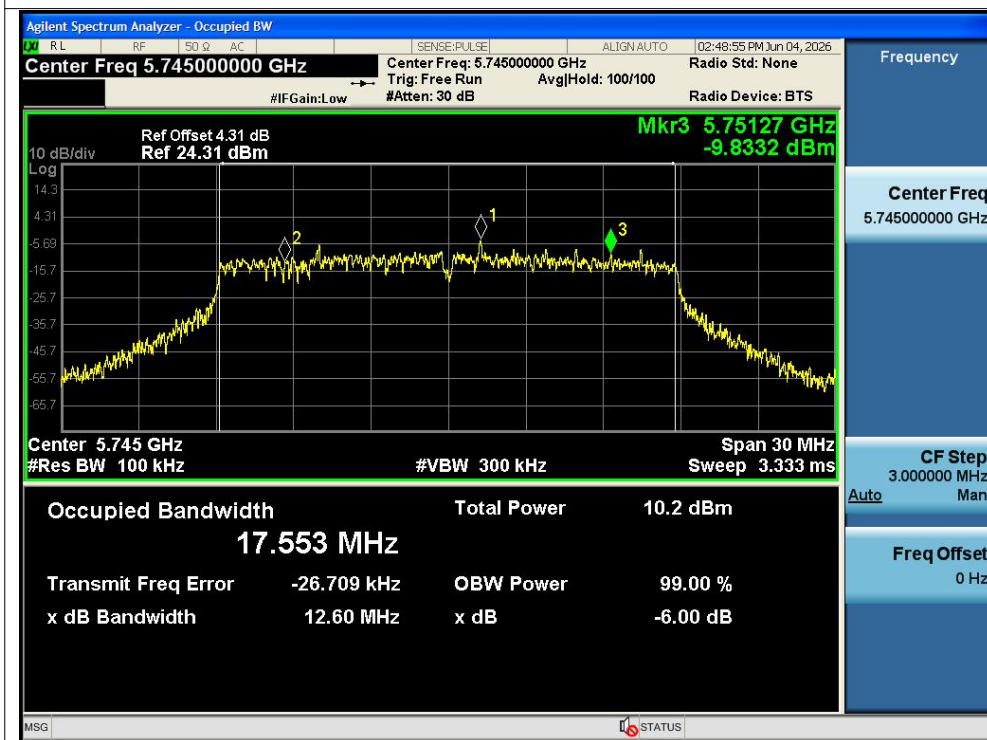
-6dB Bandwidth NVNT a 5785MHz Ant1



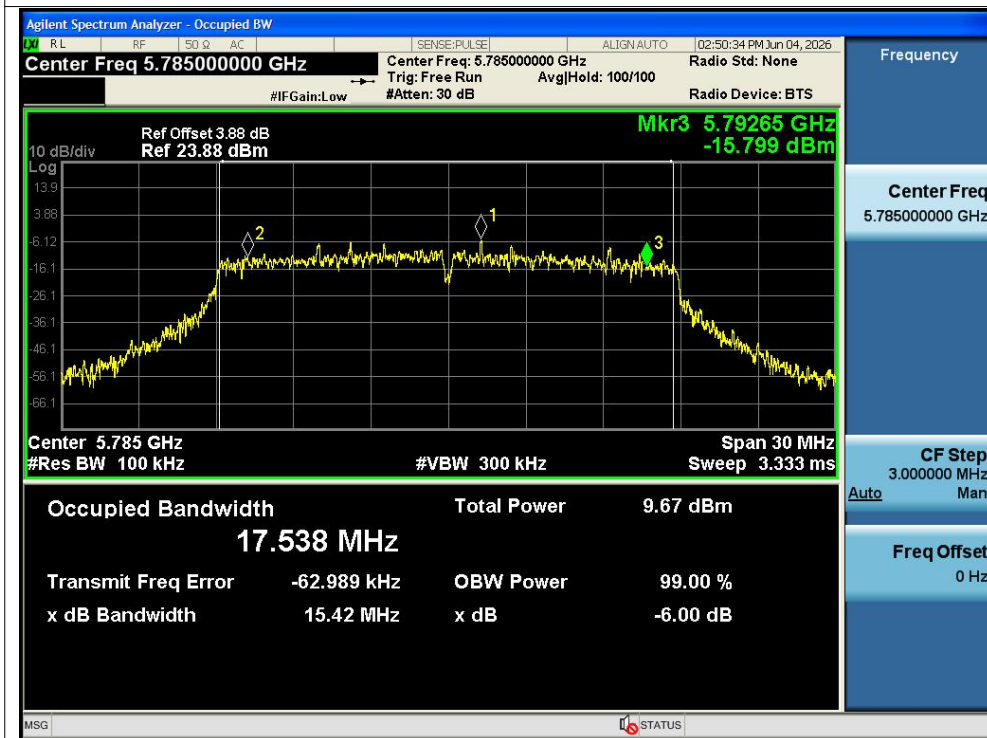
-6dB Bandwidth NVNT a 5825MHz Ant1



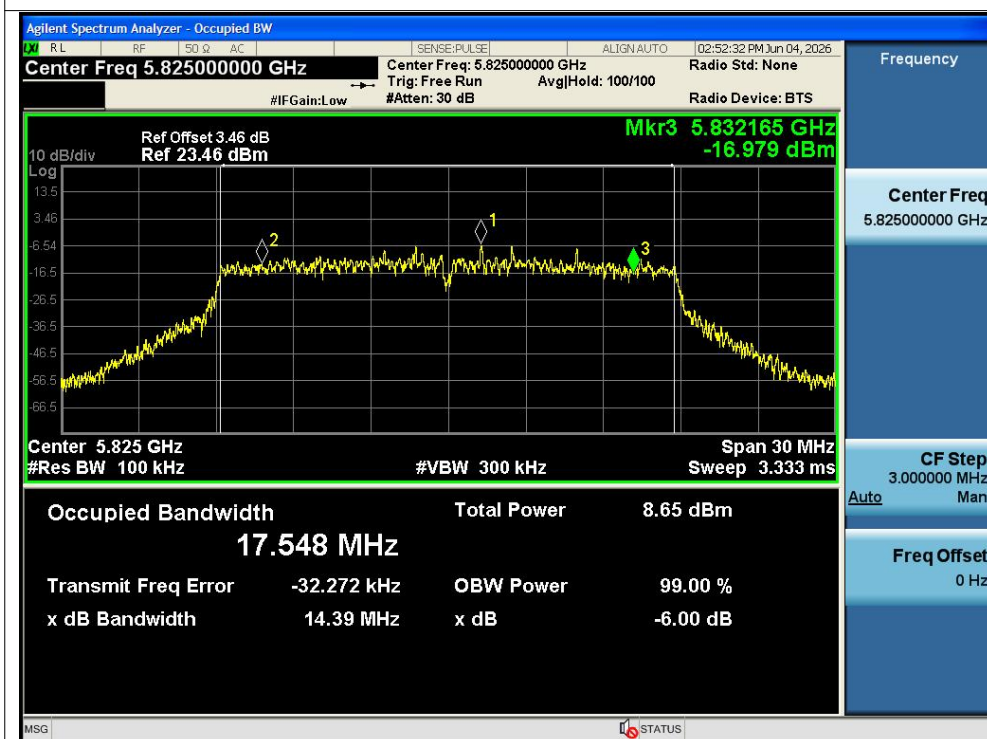
-6dB Bandwidth NVNT n20 5745MHz Ant1



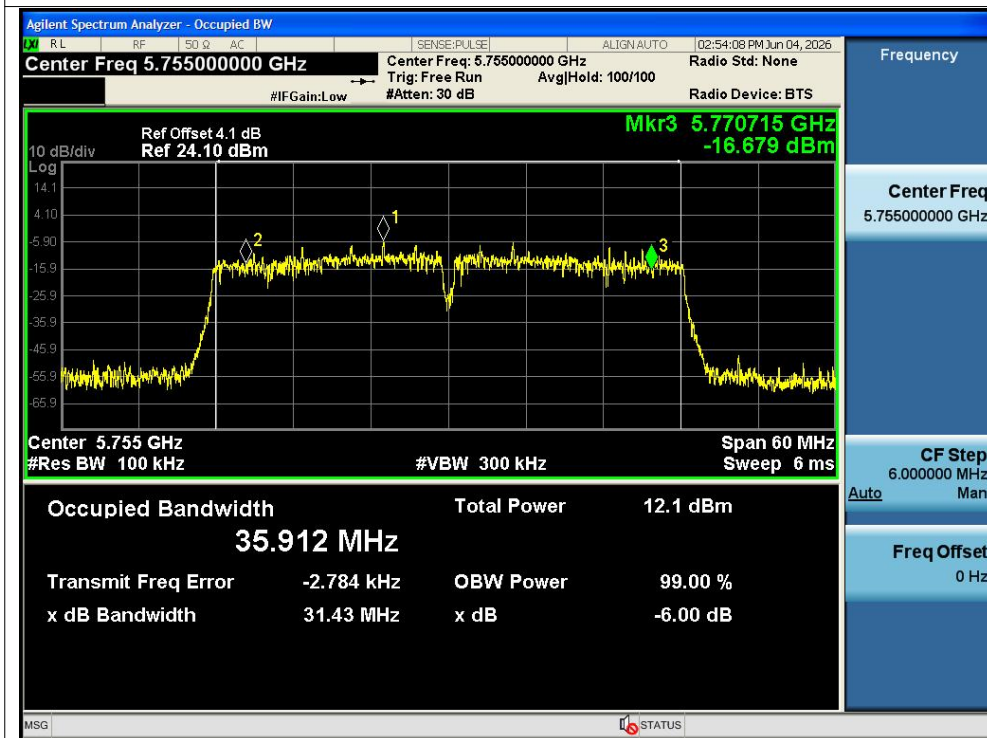
-6dB Bandwidth NVNT n20 5785MHz Ant1



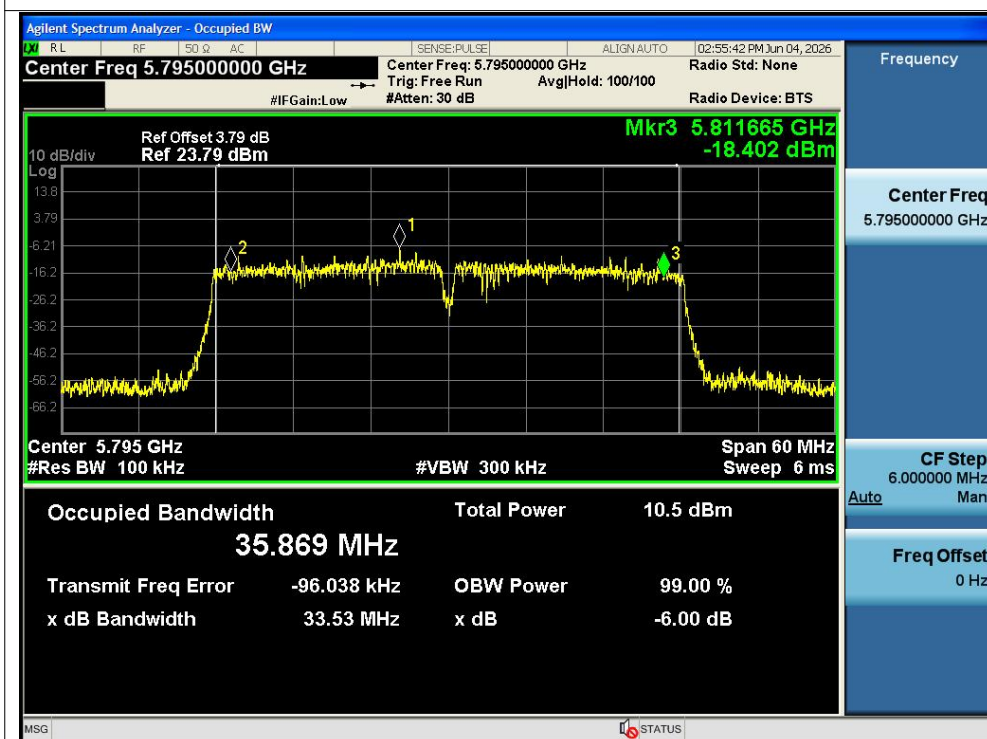
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1



Occupied Channel Bandwidth

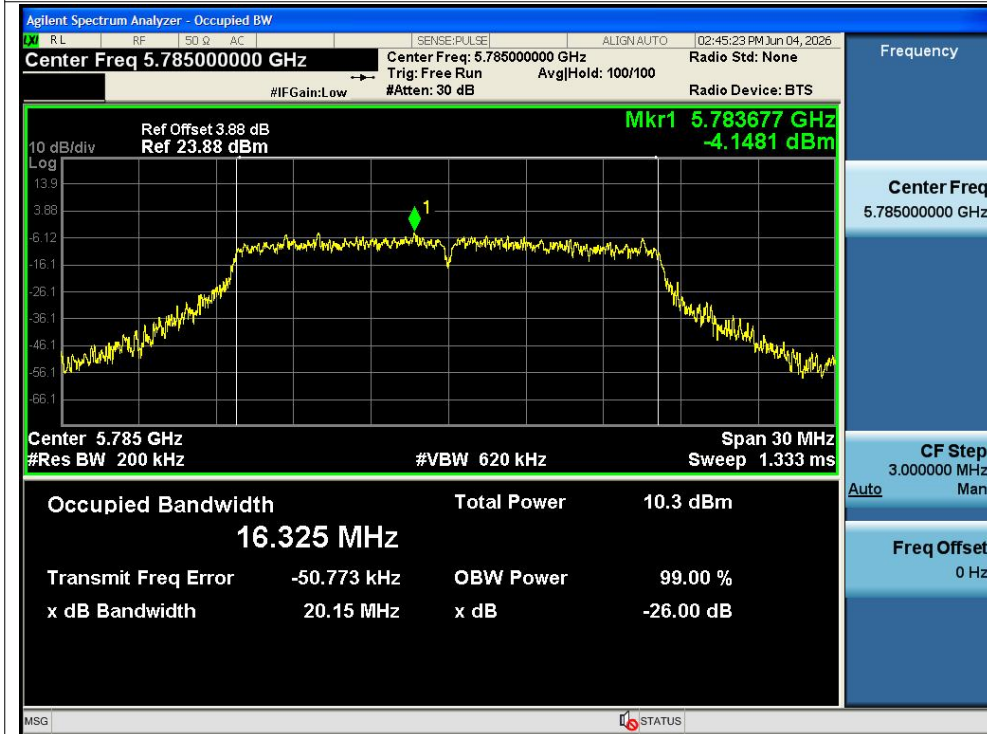
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.3
NVNT	a	5785	Ant1	16.325
NVNT	a	5825	Ant1	16.322
NVNT	n20	5745	Ant1	17.592
NVNT	n20	5785	Ant1	17.537
NVNT	n20	5825	Ant1	17.592
NVNT	n40	5755	Ant1	35.921
NVNT	n40	5795	Ant1	35.882

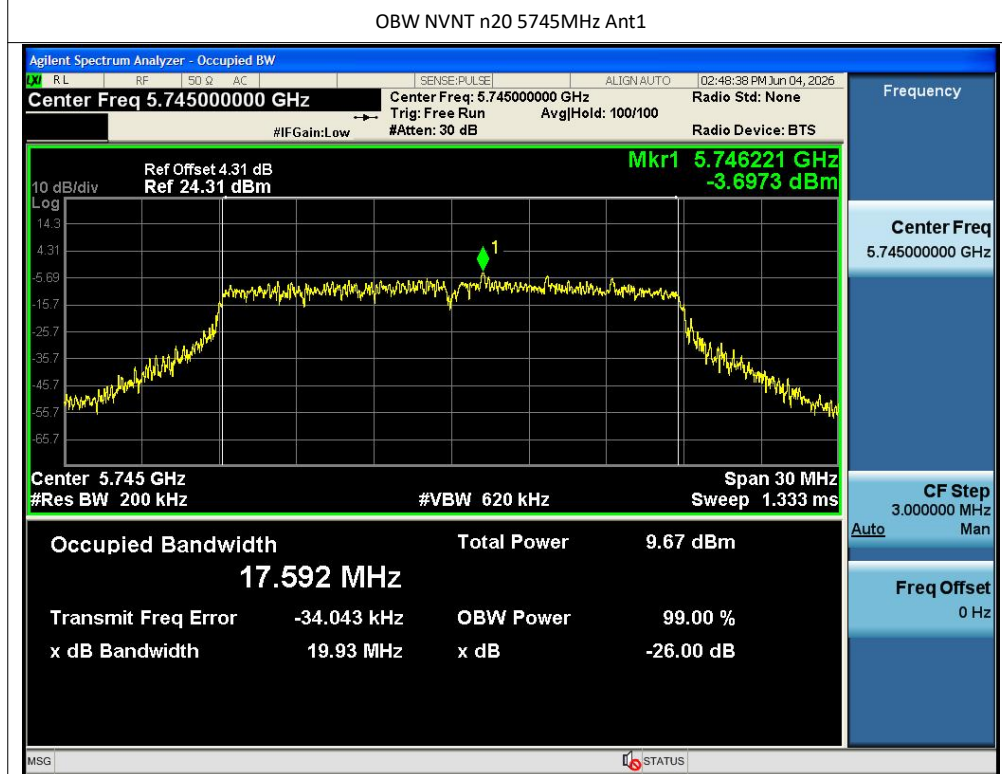
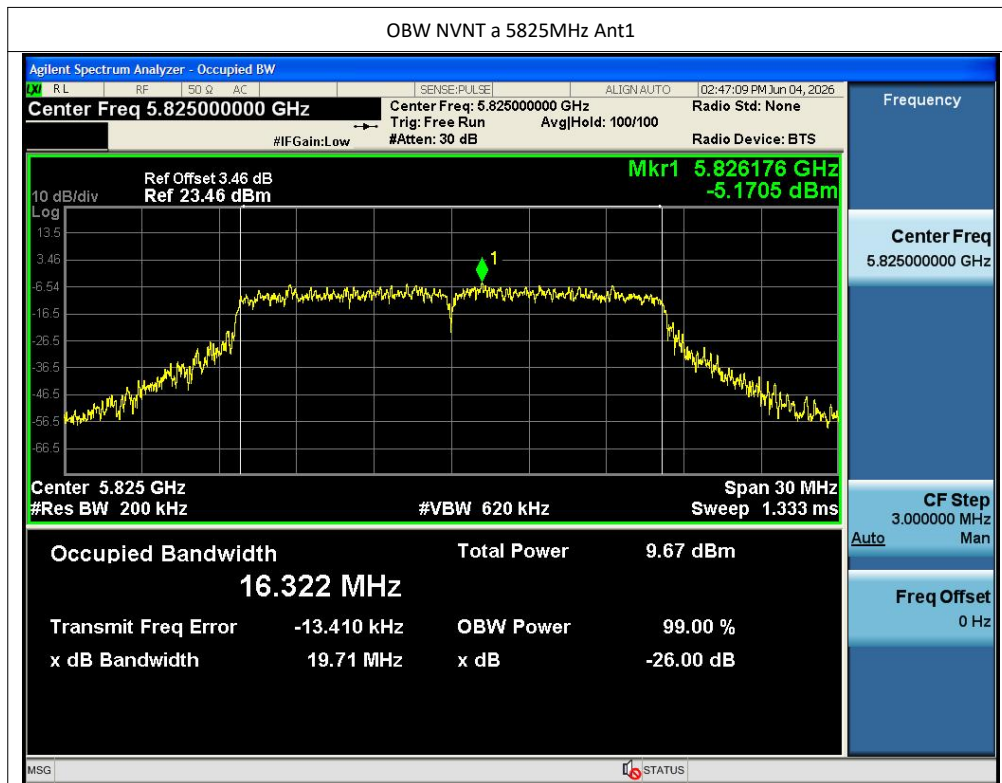
Test Graphs

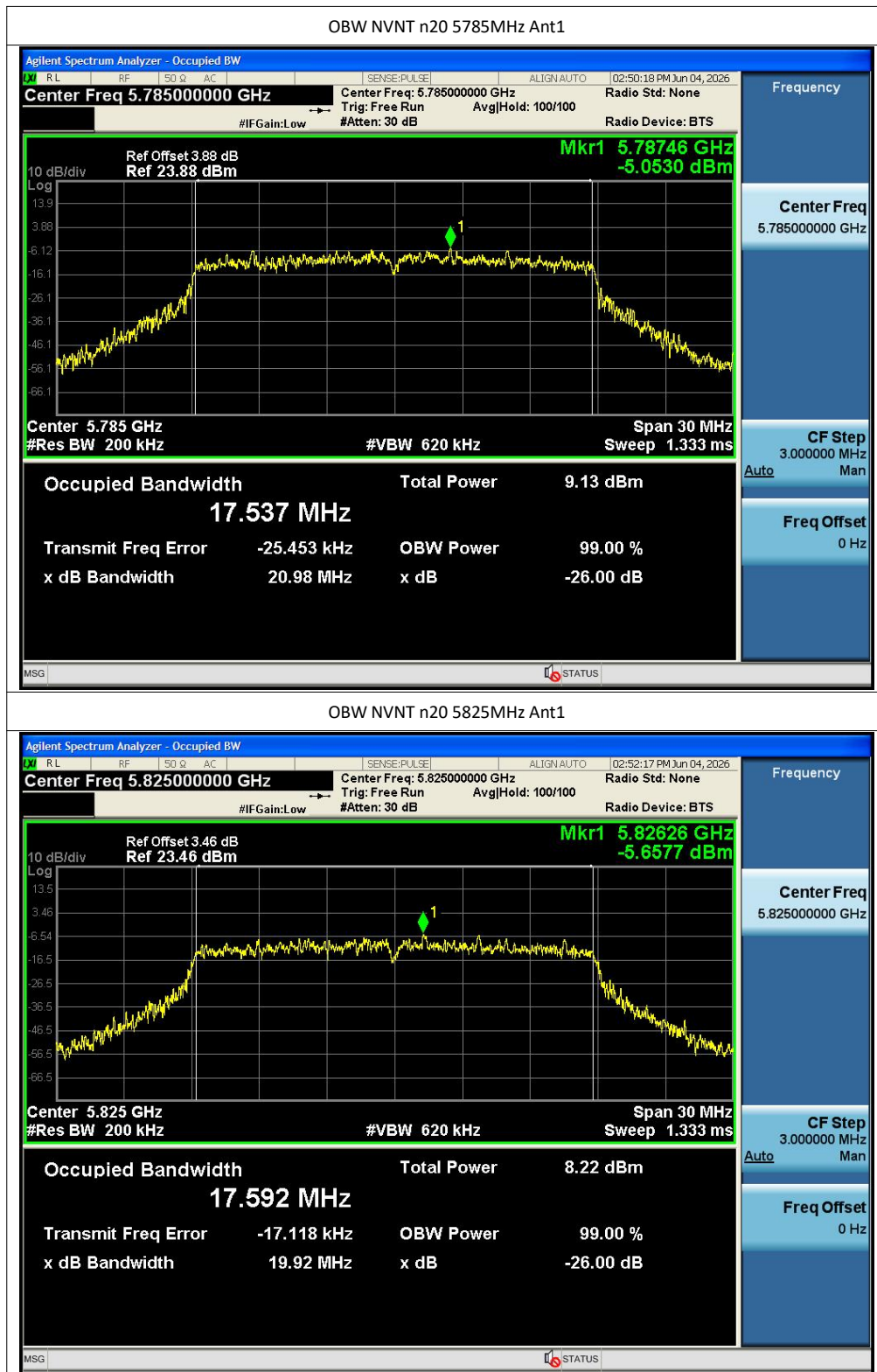
OBW NVNT a 5745MHz Ant1

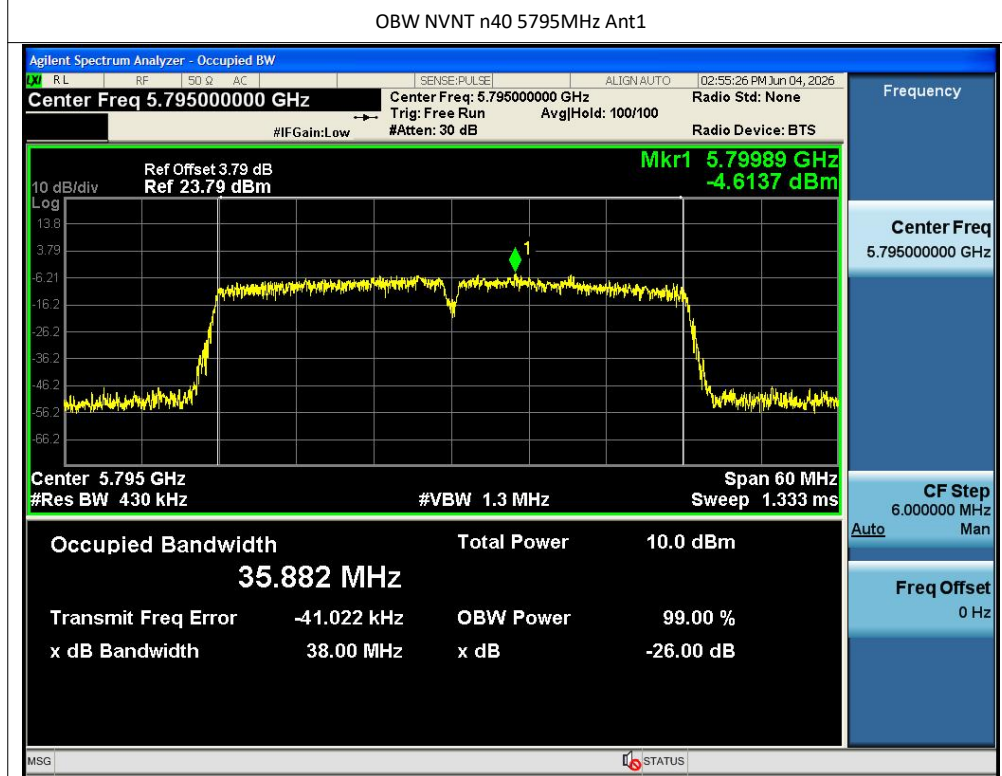
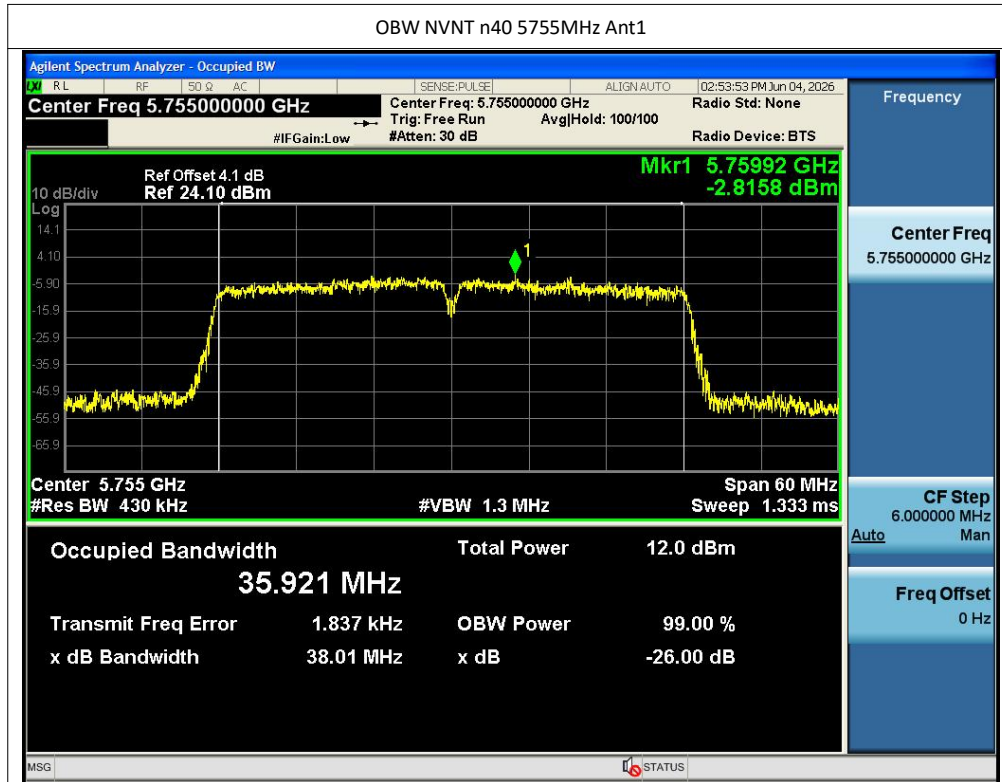


OBW NVNT a 5785MHz Ant1









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	5745	Ant1	-6.76	9.63	2.87	30	Pass
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/510kHz)	Duty Factor (dB)	Total PSD (dBm/510kHz)	Limit (dBm/500kHz)	Verdict
NVNT	a	5785	Ant1	-13.48	9.63	-3.85	30	Pass
NVNT	a	5825	Ant1	-14.12	9.63	-4.49	30	Pass
NVNT	n20	5745	Ant1	-14.15	9.41	-4.74	30	Pass
NVNT	n20	5785	Ant1	-15.91	9.4	-6.51	30	Pass
NVNT	n20	5825	Ant1	-15.52	9.42	-6.1	30	Pass
NVNT	n40	5755	Ant1	-16.11	9.55	-6.56	30	Pass
NVNT	n40	5795	Ant1	-17.26	0.37	-16.89	30	Pass

Test Graphs

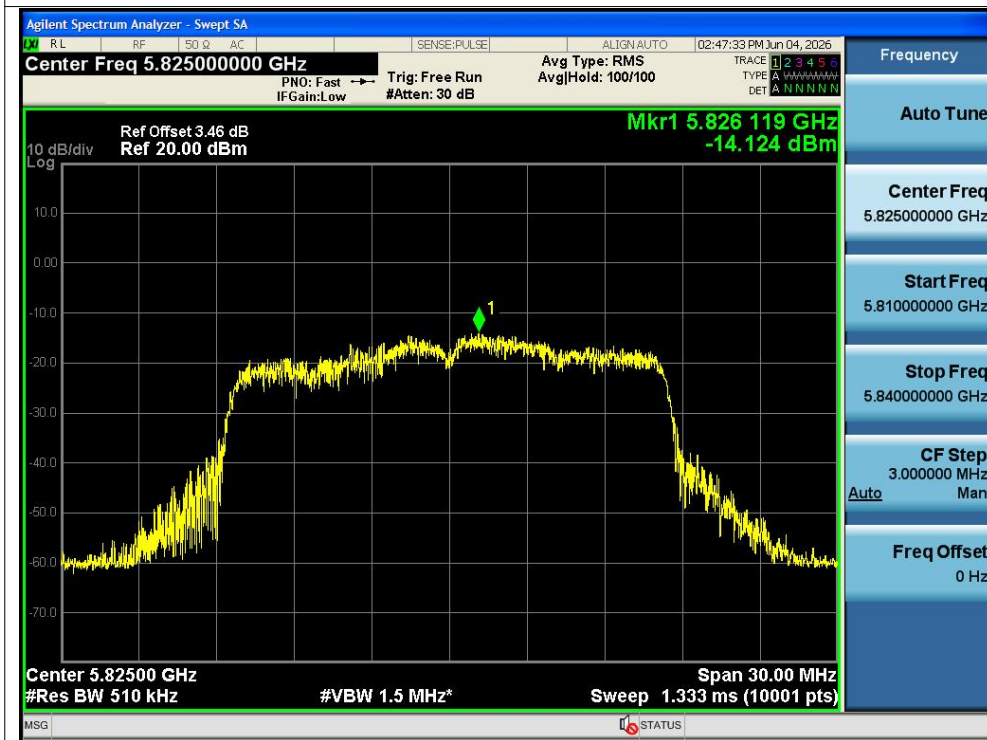
PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1

