Appendix B for 5GWIFI Test Data

Product Name: Dash Camera

Test Model: R39

Environmental Conditions

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

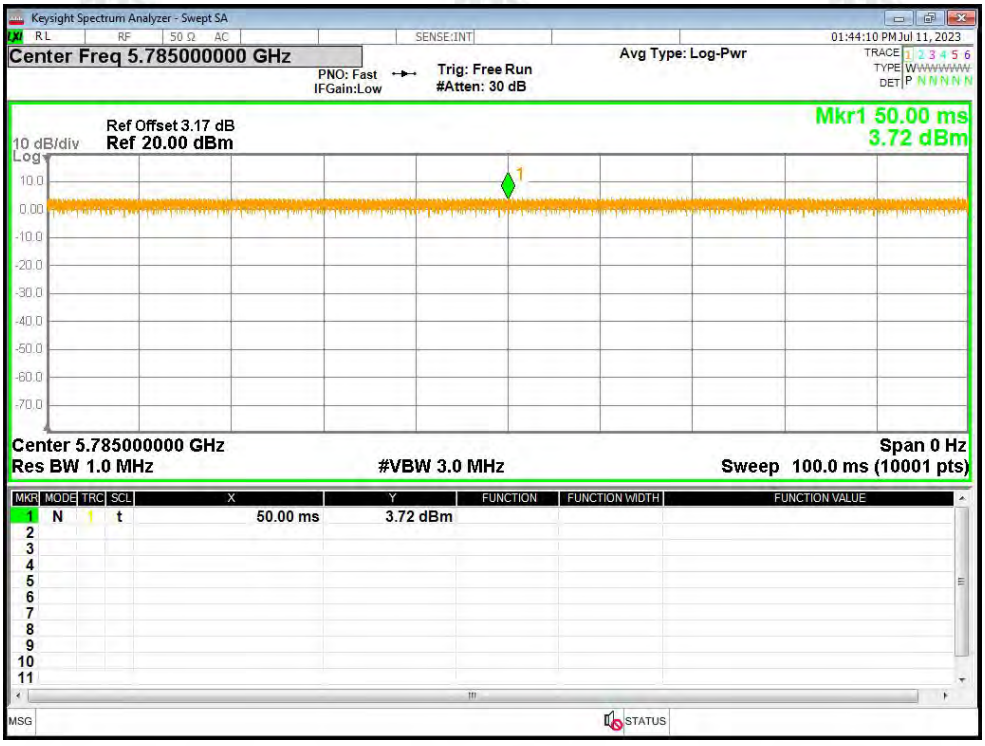
B.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	100	0	0
NVNT	a	5785	Ant1	100	0	0
NVNT	a	5825	Ant1	100	0	0
NVNT	n20	5745	Ant1	100	0	0
NVNT	n20	5785	Ant1	100	0	0
NVNT	n20	5825	Ant1	100	0	0
NVNT	n40	5755	Ant1	100	0	0
NVNT	n40	5795	Ant1	100	0	0
NVNT	ac20	5745	Ant1	100	0	0
NVNT	ac20	5785	Ant1	100	0	0
NVNT	ac20	5825	Ant1	100	0	0
NVNT	ac40	5755	Ant1	100	0	0
NVNT	ac40	5795	Ant1	100	0	0
NVNT	ac80	5775	Ant1	100	0	0

Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

Duty Cycle NVNT a 5785MHz Ant1



Duty Cycle NVNT a 5825MHz Ant1

Duty Cycle NVNT n20 5745MHz Ant1

Duty Cycle NVNT n20 5785MHz Ant1

Duty Cycle NVNT n20 5825MHz Ant1

Duty Cycle NVNT n40 5755MHz Ant1

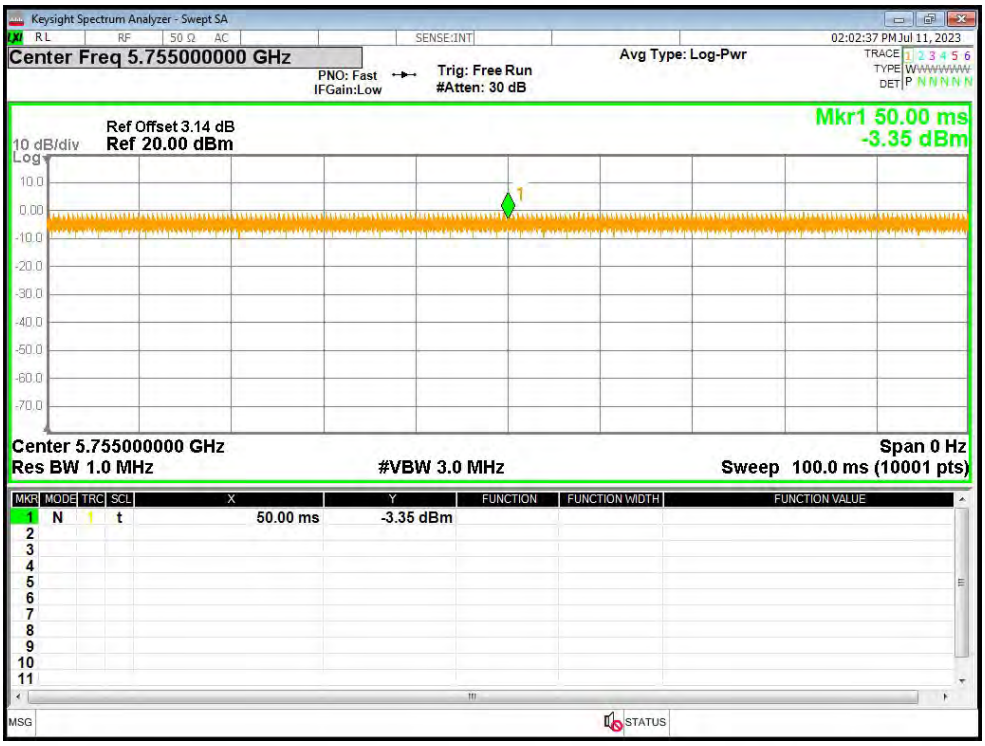
Duty Cycle NVNT n40 5795MHz Ant1

Duty Cycle NVNT ac20 5745MHz Ant1

Duty Cycle NVNT ac20 5785MHz Ant1

Duty Cycle NVNT ac20 5825MHz Ant1

Duty Cycle NVNT ac40 5755MHz Ant1



Duty Cycle NVNT ac40 5795MHz Ant1

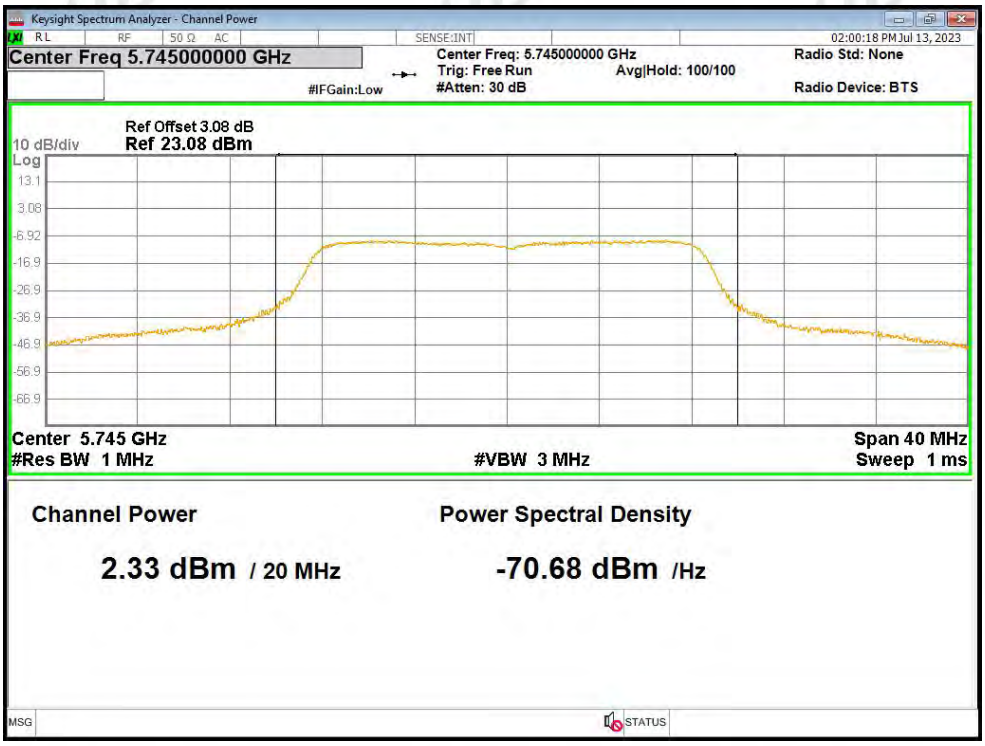
Duty Cycle NVNT ac80 5775MHz Ant1

B.2 Maximum Conducted Output Power

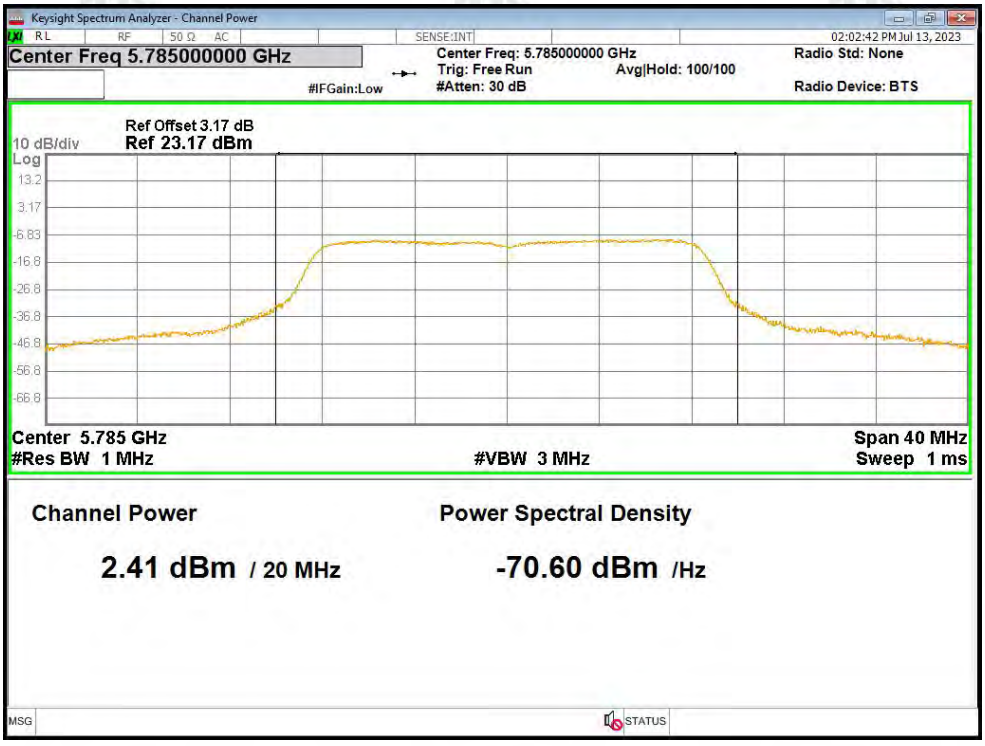
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	2.33	0	2.33	30	Pass
NVNT	a	5785	Ant1	2.41	0	2.41	30	Pass
NVNT	a	5825	Ant1	2.79	0	2.79	30	Pass
NVNT	n20	5745	Ant1	1.49	0	1.49	30	Pass
NVNT	n20	5785	Ant1	1.97	0	1.97	30	Pass
NVNT	n20	5825	Ant1	2.27	0	2.27	30	Pass
NVNT	n40	5755	Ant1	1.37	0	1.37	30	Pass
NVNT	n40	5795	Ant1	1.8	0	1.8	30	Pass
NVNT	ac20	5745	Ant1	1.37	0	1.37	30	Pass
NVNT	ac20	5785	Ant1	1.55	0	1.55	30	Pass
NVNT	ac20	5825	Ant1	2.16	0	2.16	30	Pass
NVNT	ac40	5755	Ant1	1.3	0	1.3	30	Pass
NVNT	ac40	5795	Ant1	1.7	0	1.7	30	Pass
NVNT	ac80	5775	Ant1	1.7	0.28	1.98	30	Pass

Test Graphs

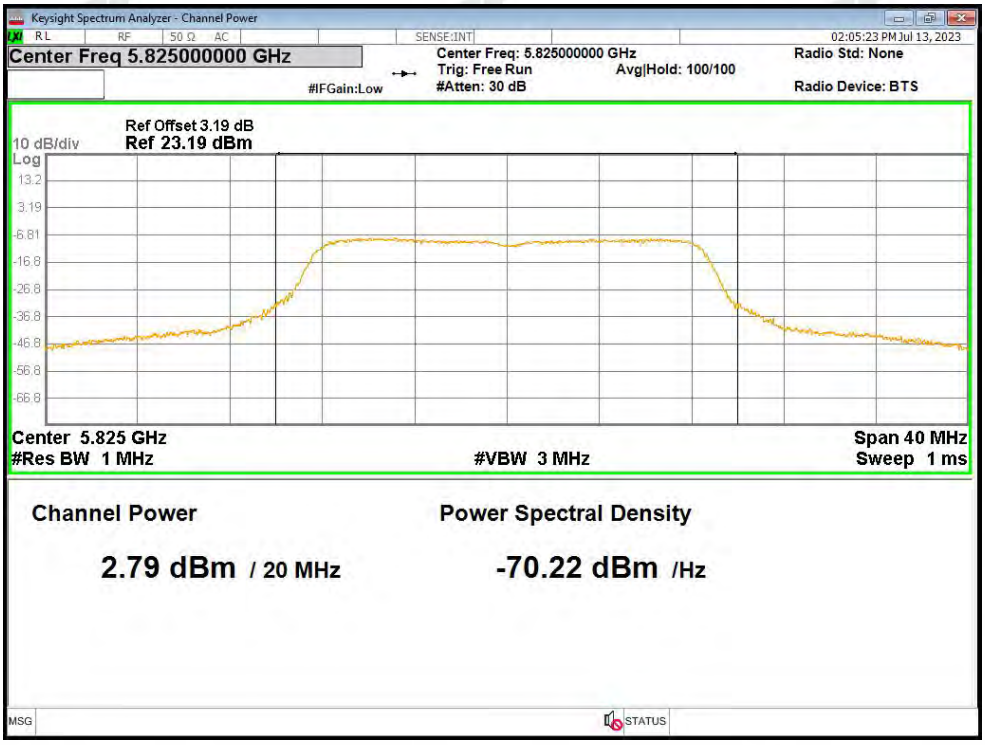
Power NVNT a 5745MHz Ant1



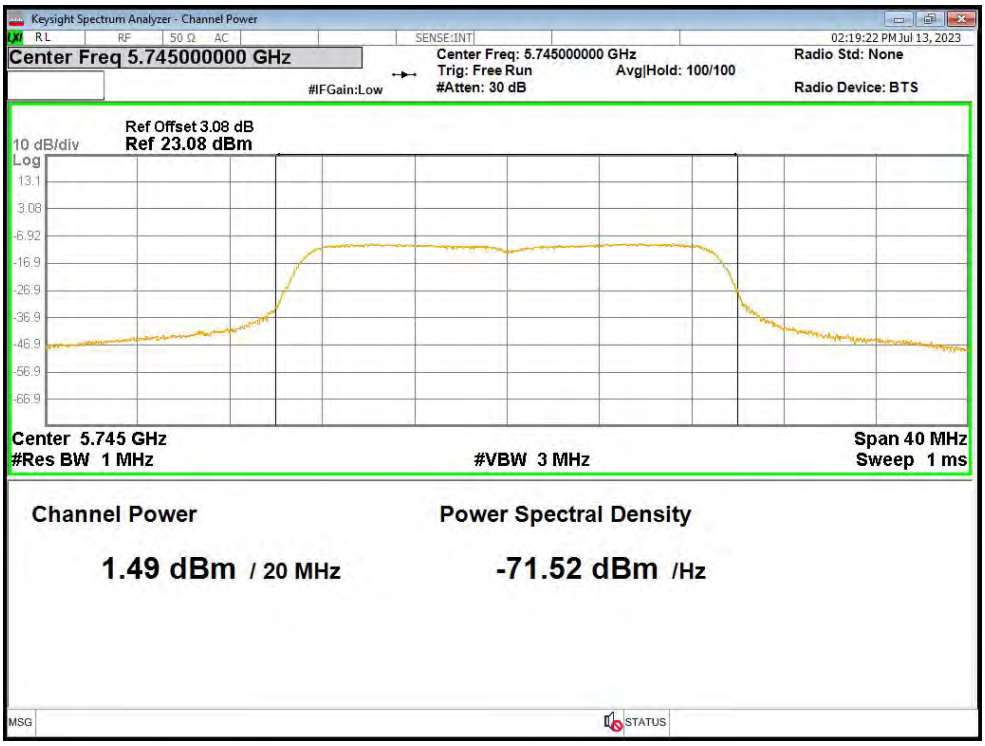
Power NVNT a 5785MHz Ant1



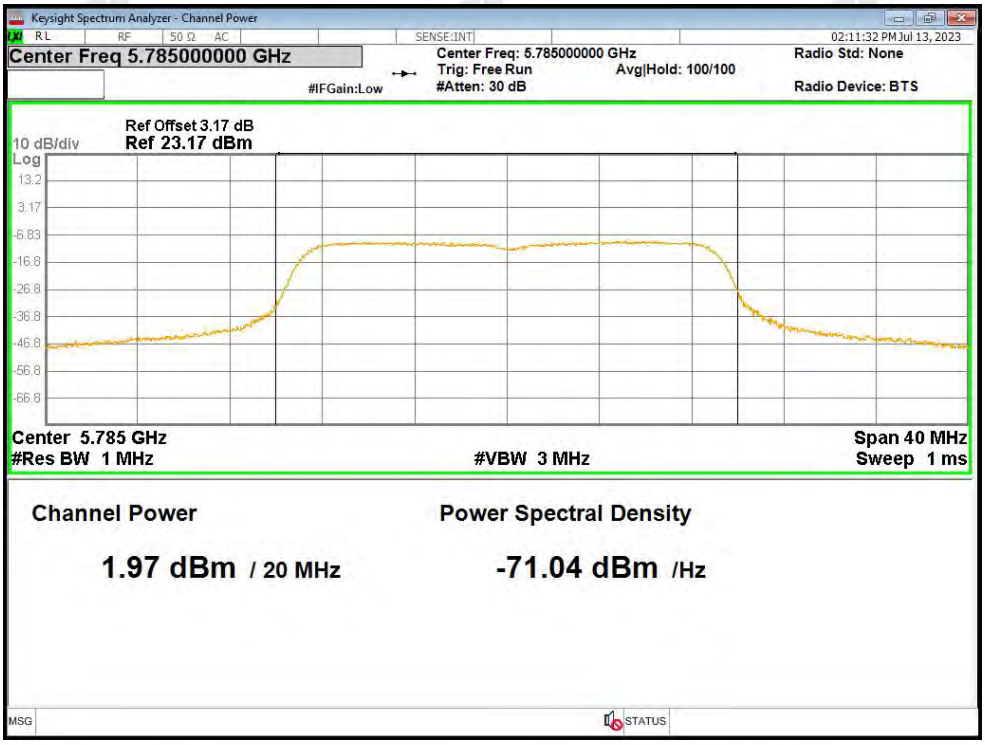
Power NVNT a 5825MHz Ant1



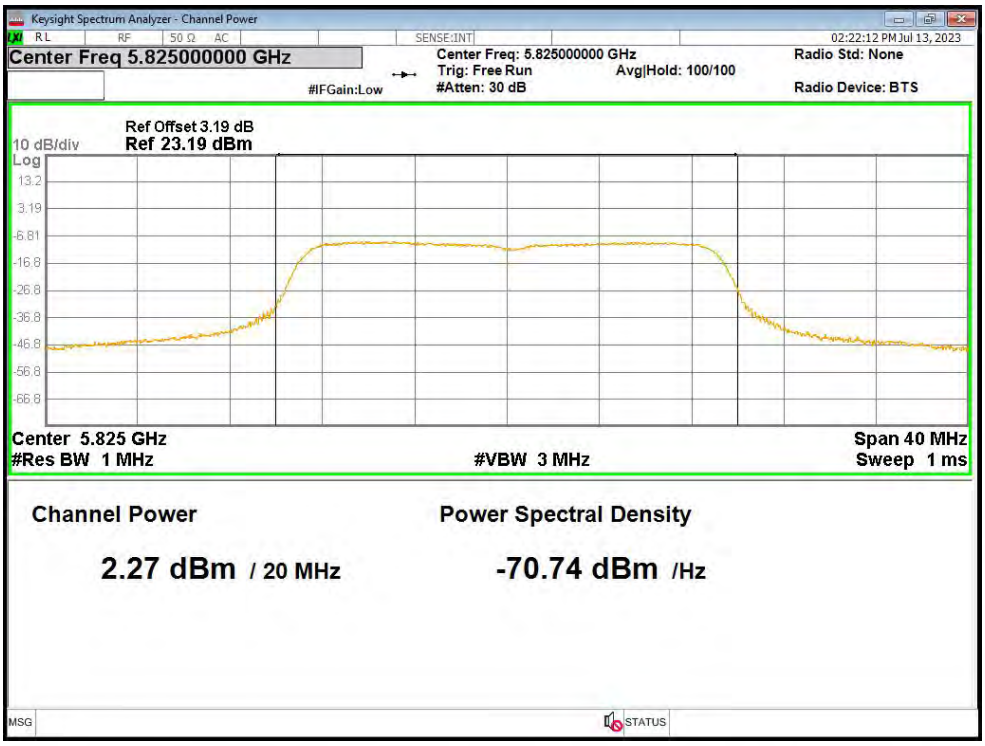
Power NVNT n20 5745MHz Ant1



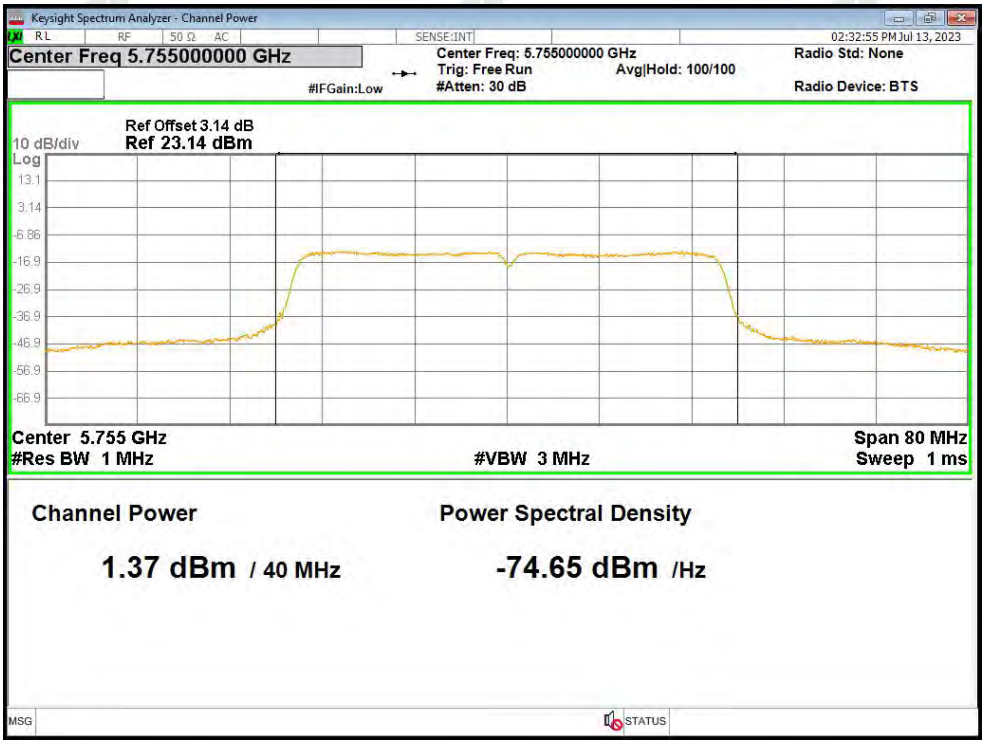
Power NVNT n20 5785MHz Ant1



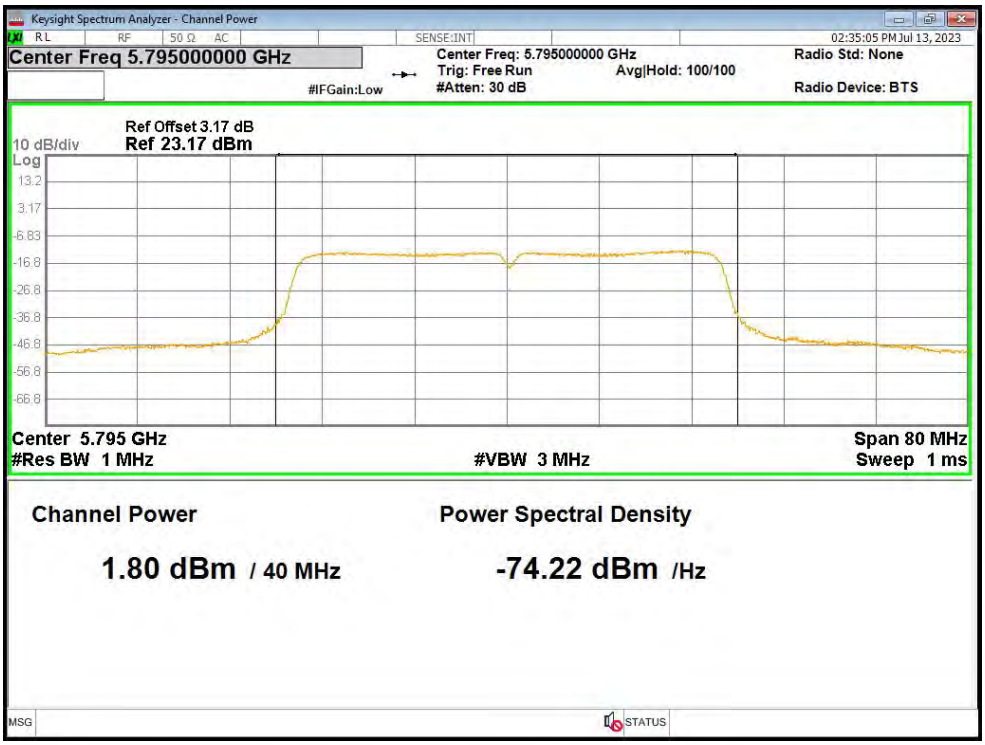
Power NVNT n20 5825MHz Ant1



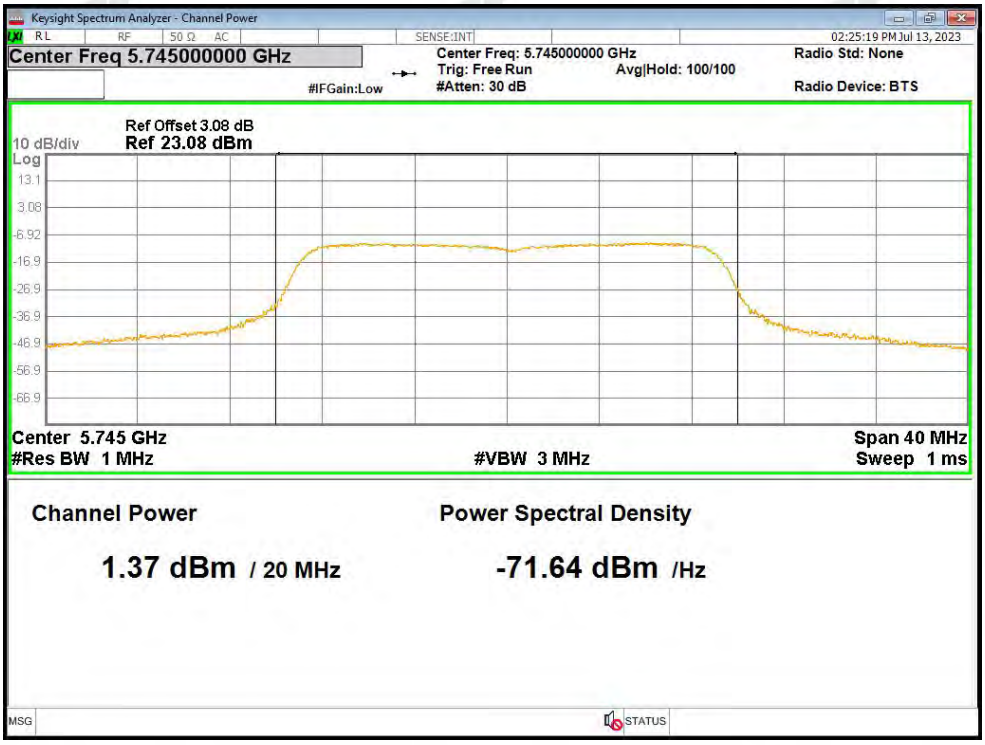
Power NVNT n40 5755MHz Ant1



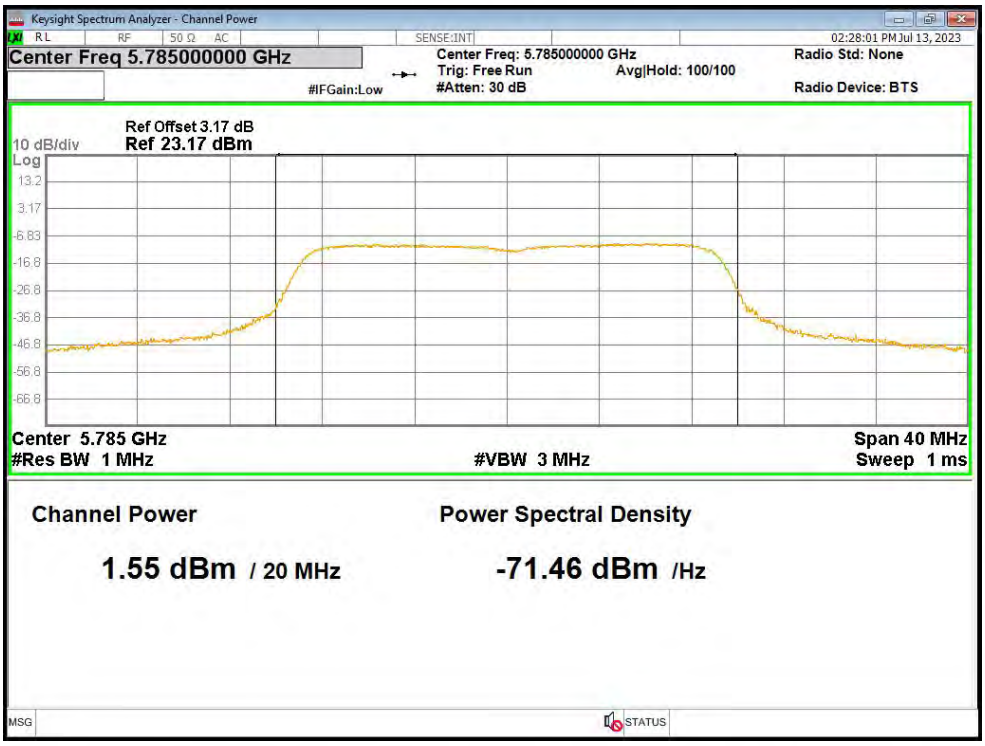
Power NVNT n40 5795MHz Ant1



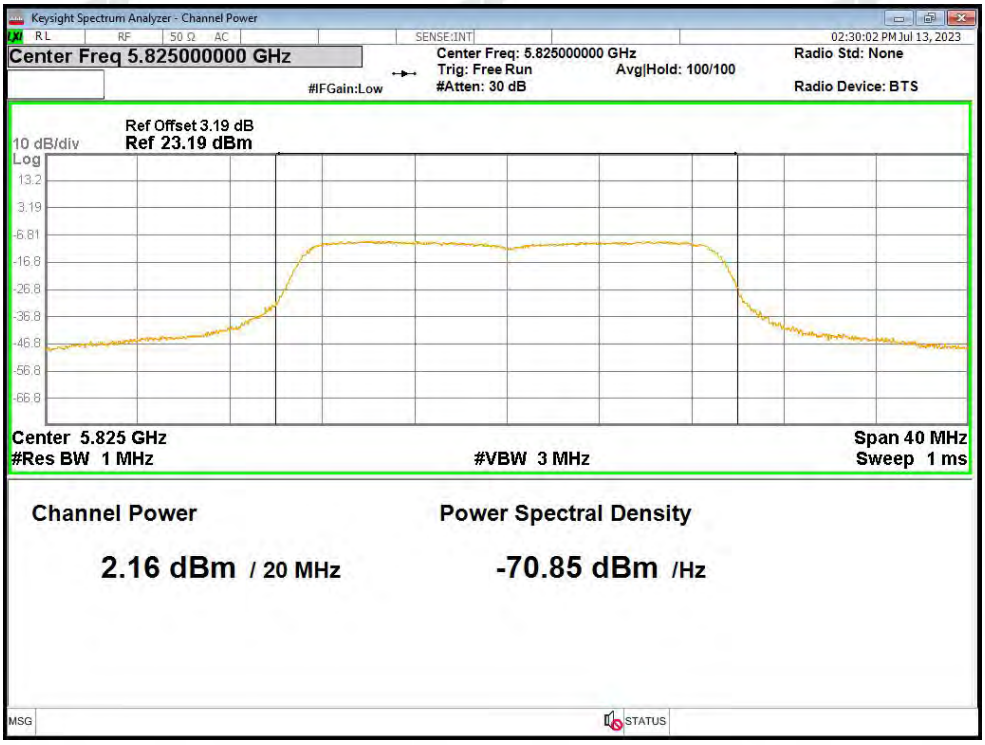
Power NVNT ac20 5745MHz Ant1



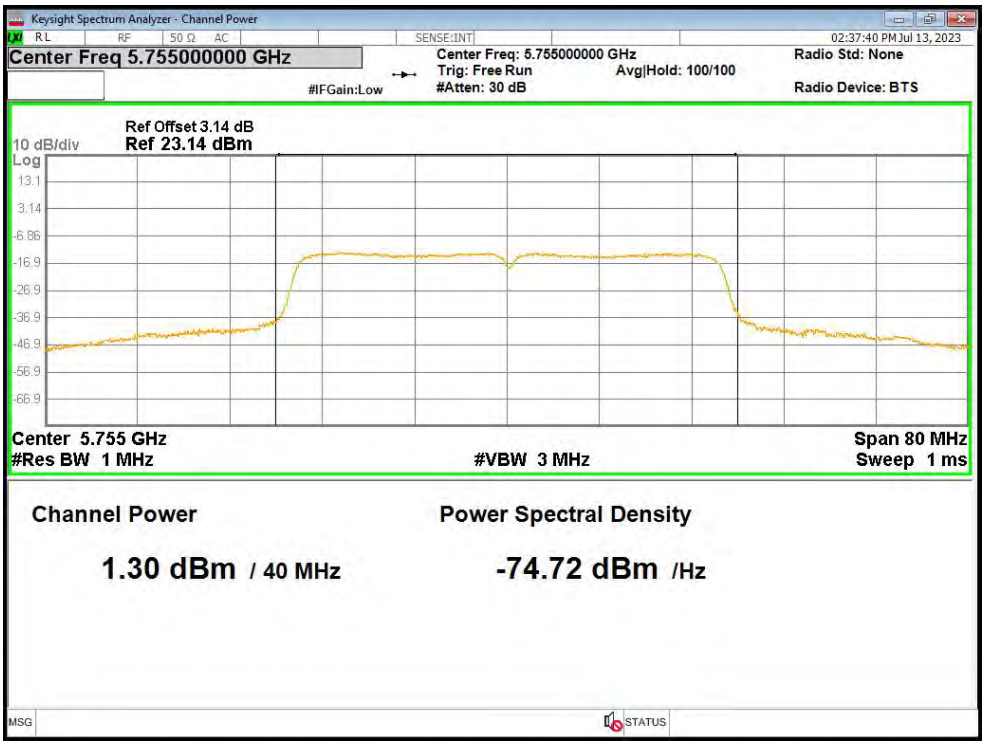
Power NVNT ac20 5785MHz Ant1



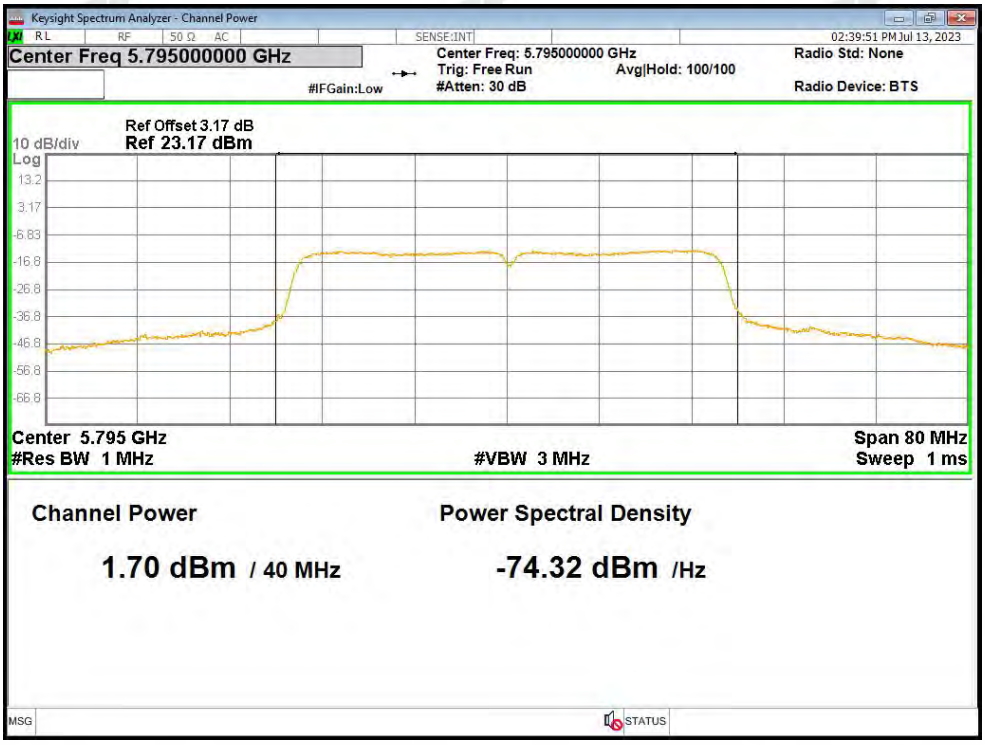
Power NVNT ac20 5825MHz Ant1



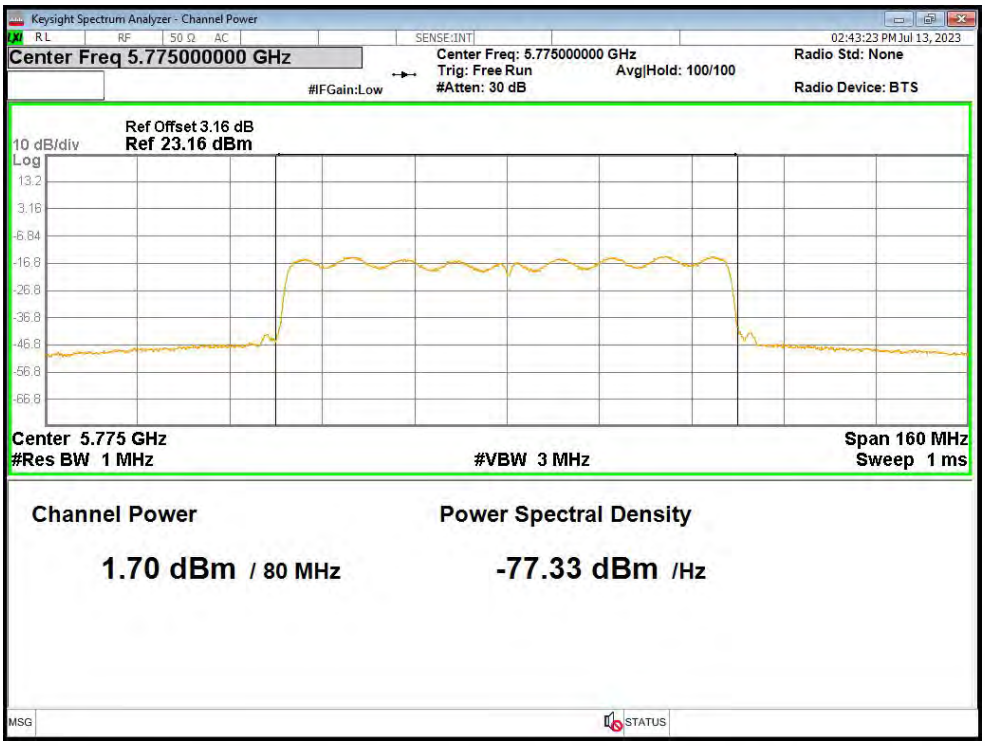
Power NVNT ac40 5755MHz Ant1



Power NVNT ac40 5795MHz Ant1



Power NVNT ac80 5775MHz Ant1

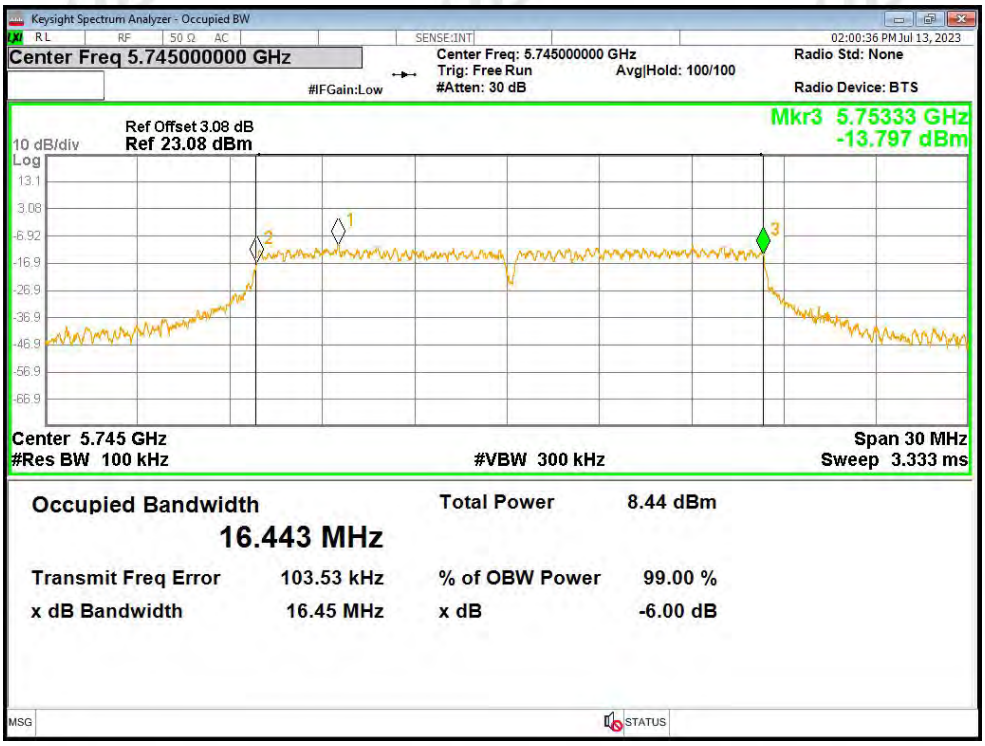


B.3 -6dB Bandwidth

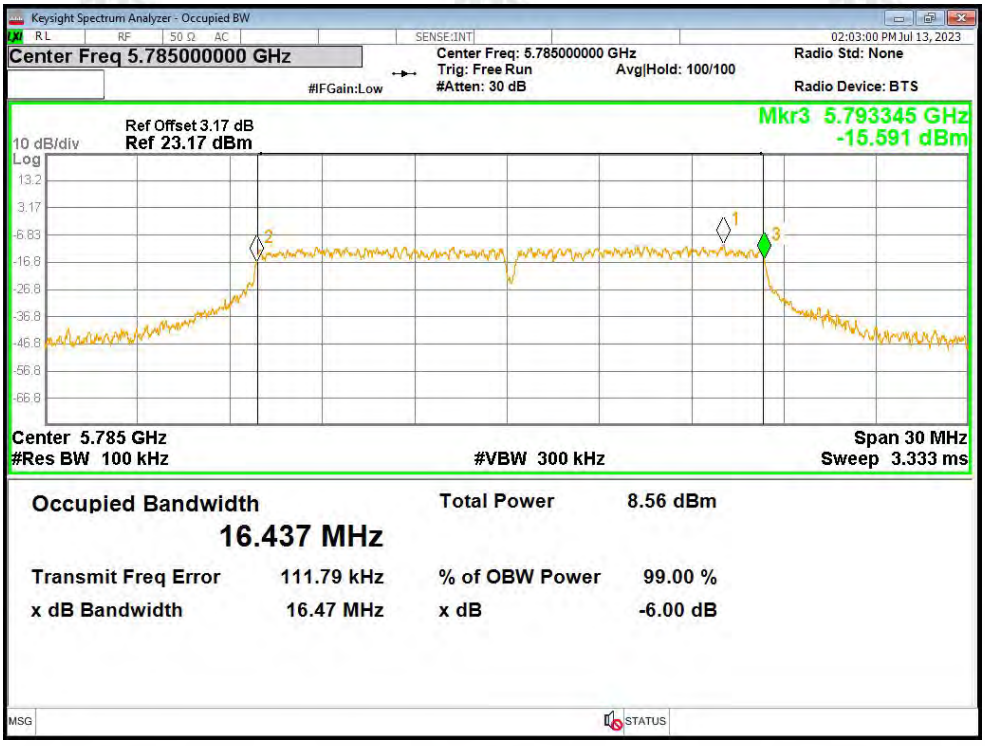
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.45	0.5	Pass
NVNT	a	5785	Ant1	16.47	0.5	Pass
NVNT	a	5825	Ant1	16.48	0.5	Pass
NVNT	n20	5745	Ant1	17.72	0.5	Pass
NVNT	n20	5785	Ant1	17.76	0.5	Pass
NVNT	n20	5825	Ant1	17.76	0.5	Pass
NVNT	n40	5755	Ant1	36.41	0.5	Pass
NVNT	n40	5795	Ant1	36.41	0.5	Pass
NVNT	ac20	5745	Ant1	17.72	0.5	Pass
NVNT	ac20	5785	Ant1	17.73	0.5	Pass
NVNT	ac20	5825	Ant1	17.74	0.5	Pass
NVNT	ac40	5755	Ant1	36.45	0.5	Pass
NVNT	ac40	5795	Ant1	36.49	0.5	Pass
NVNT	ac80	5775	Ant1	76.36	0.5	Pass

Test Graphs

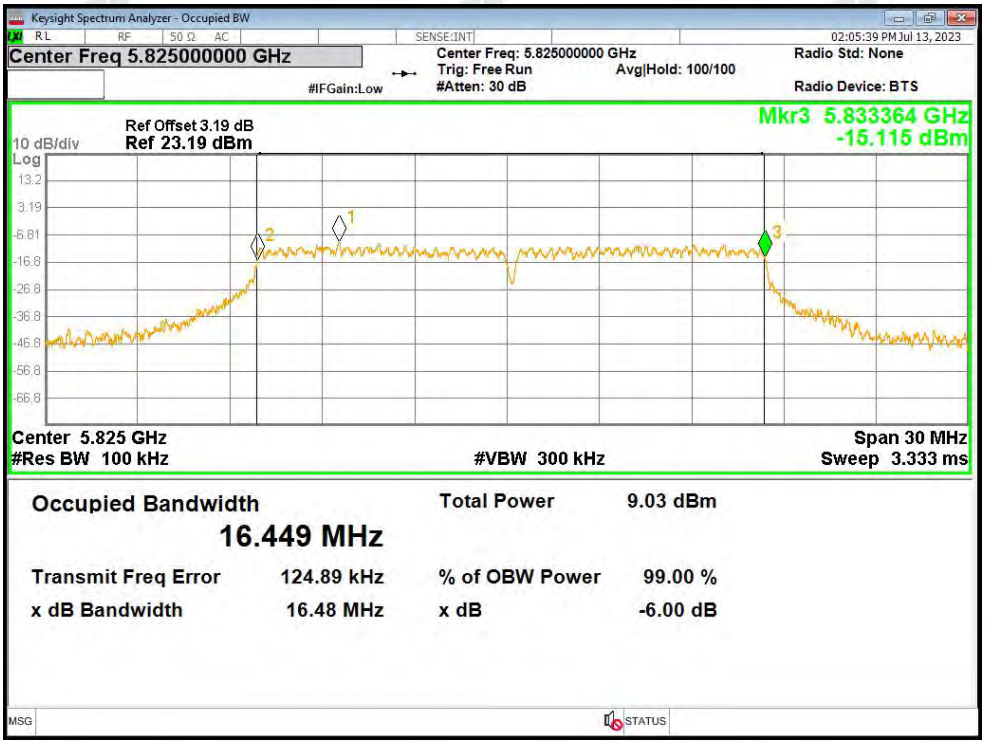
-6dB Bandwidth NVNT a 5745MHz Ant1



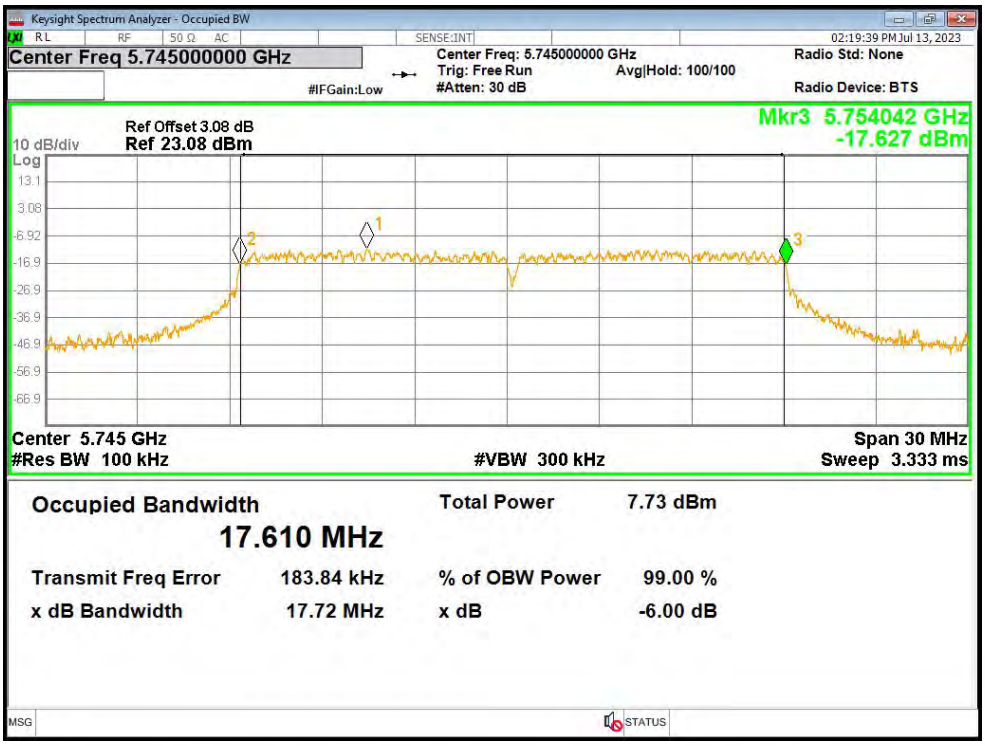
-6dB Bandwidth NVNT a 5785MHz Ant1



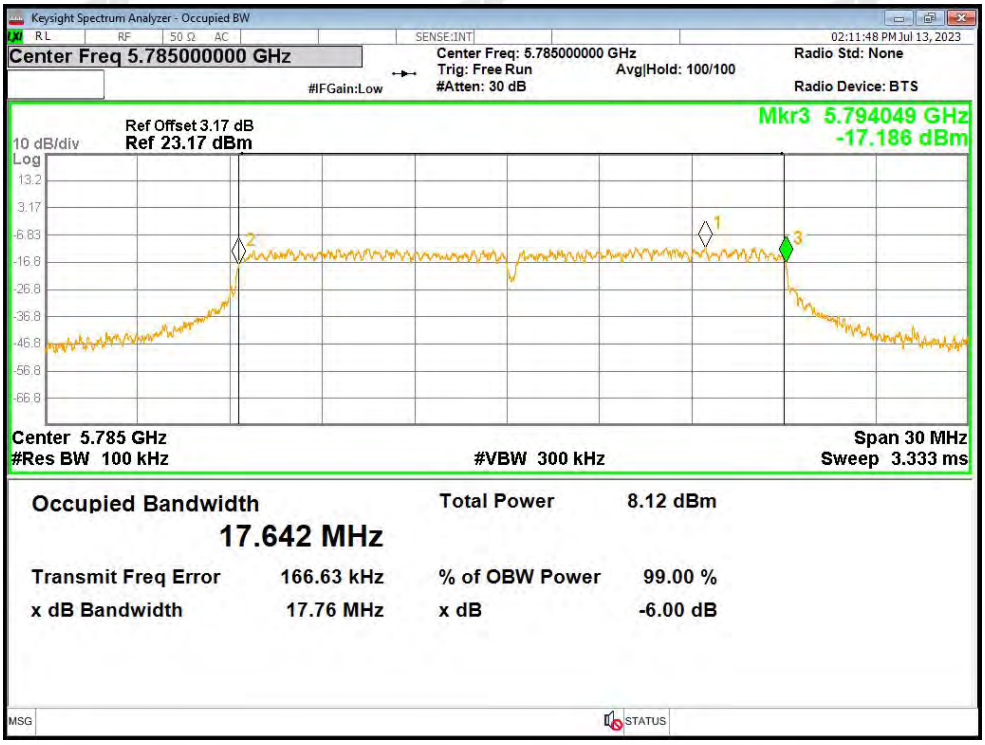
-6dB Bandwidth NVNT a 5825MHz Ant1



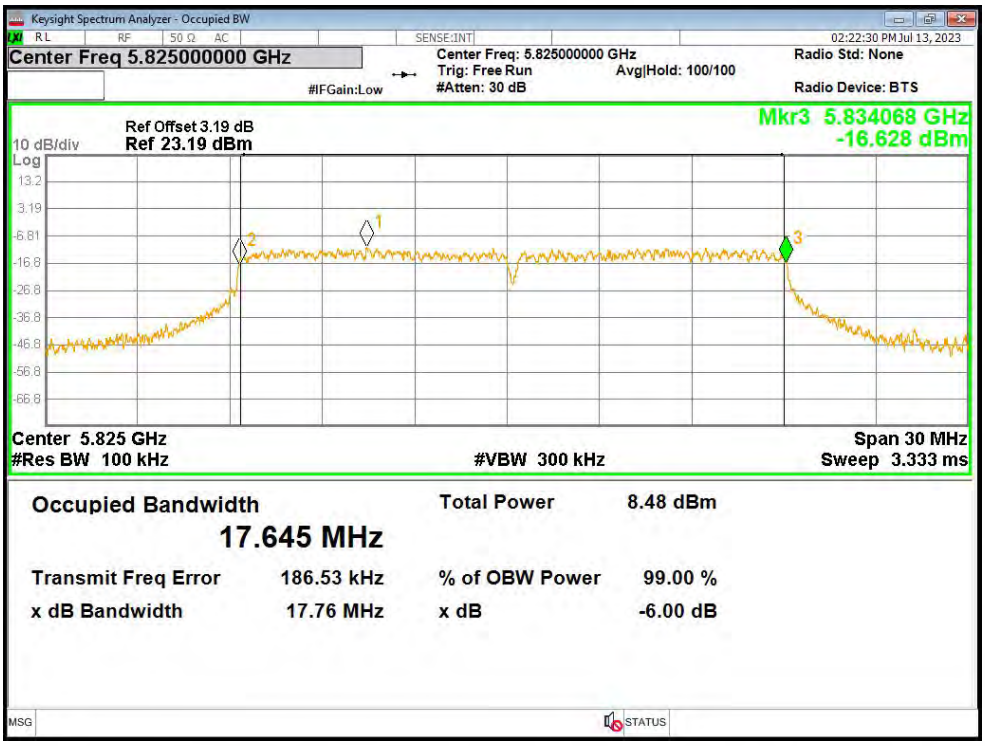
-6dB Bandwidth NVNT n20 5745MHz Ant1



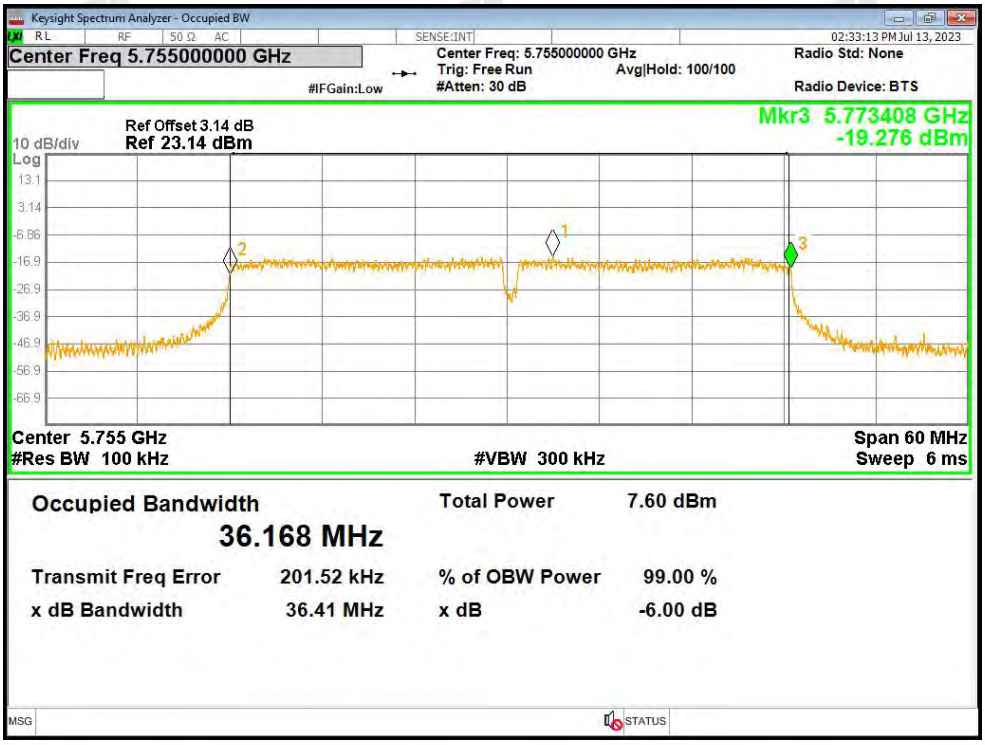
-6dB Bandwidth NVNT n20 5785MHz Ant1



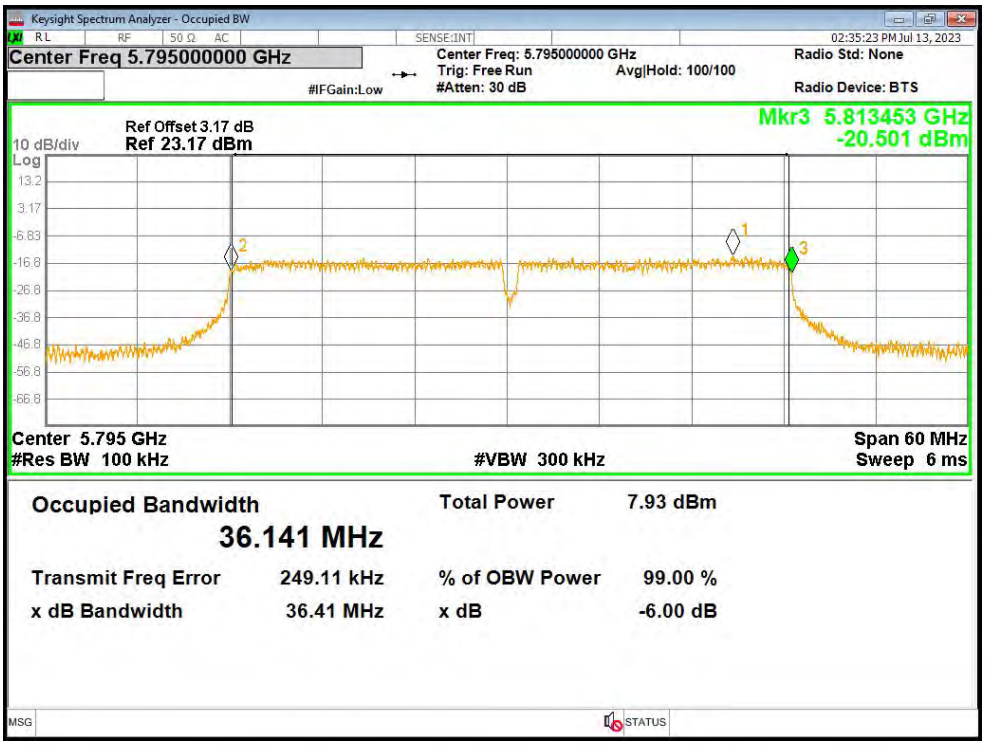
-6dB Bandwidth NVNT n20 5825MHz Ant1



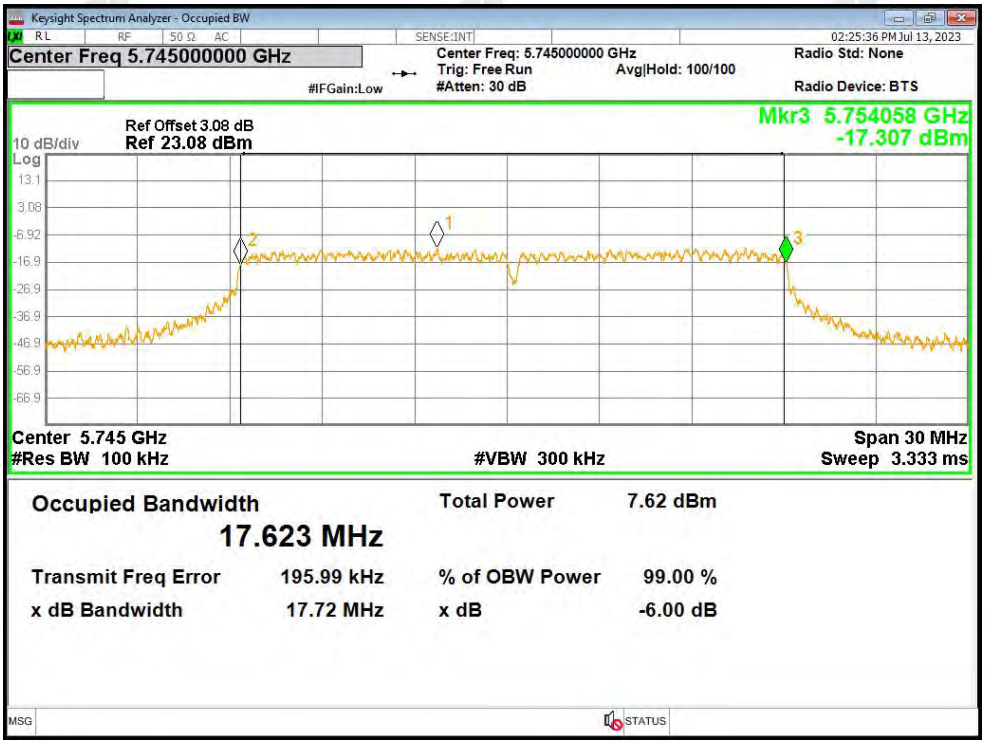
-6dB Bandwidth NVNT n40 5755MHz Ant1



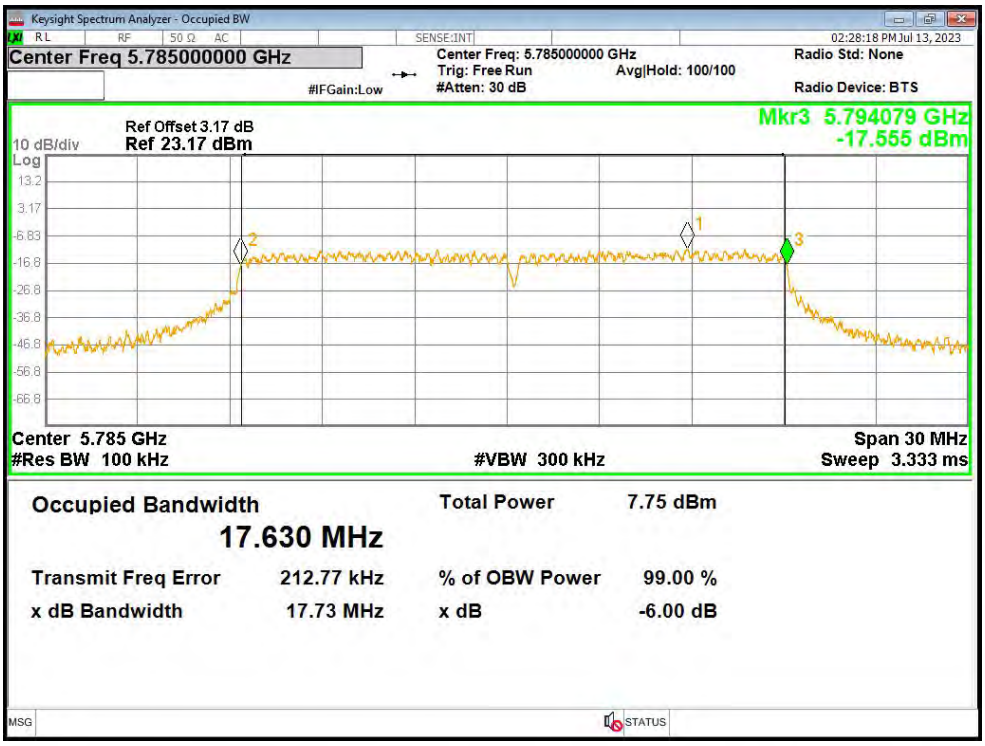
-6dB Bandwidth NVNT n40 5795MHz Ant1



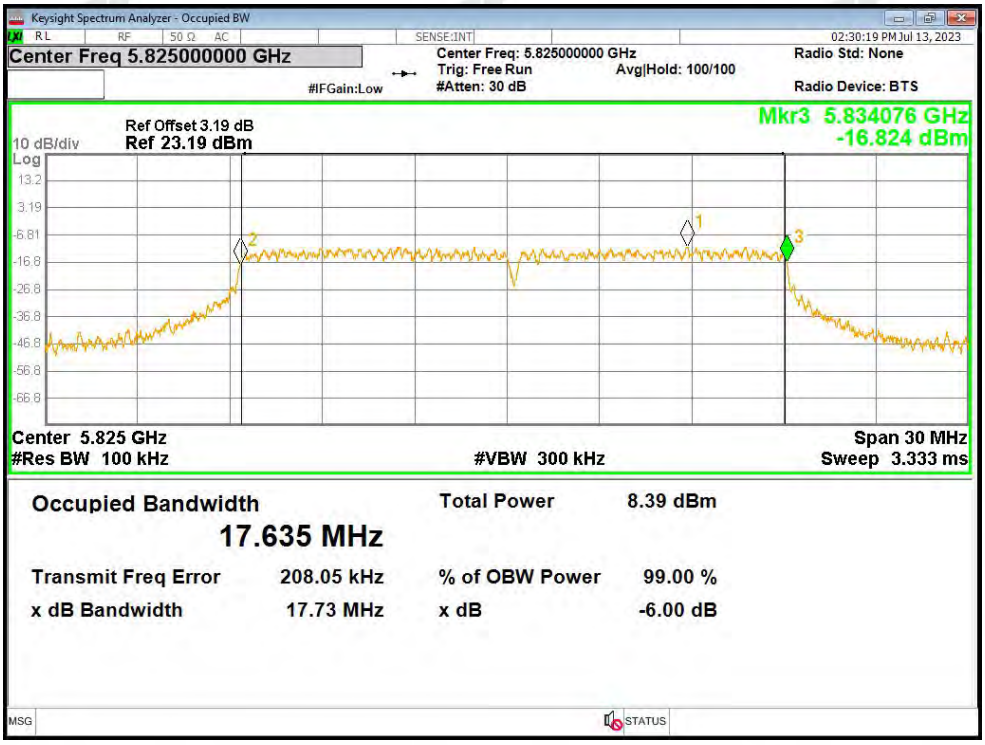
-6dB Bandwidth NVNT ac20 5745MHz Ant1



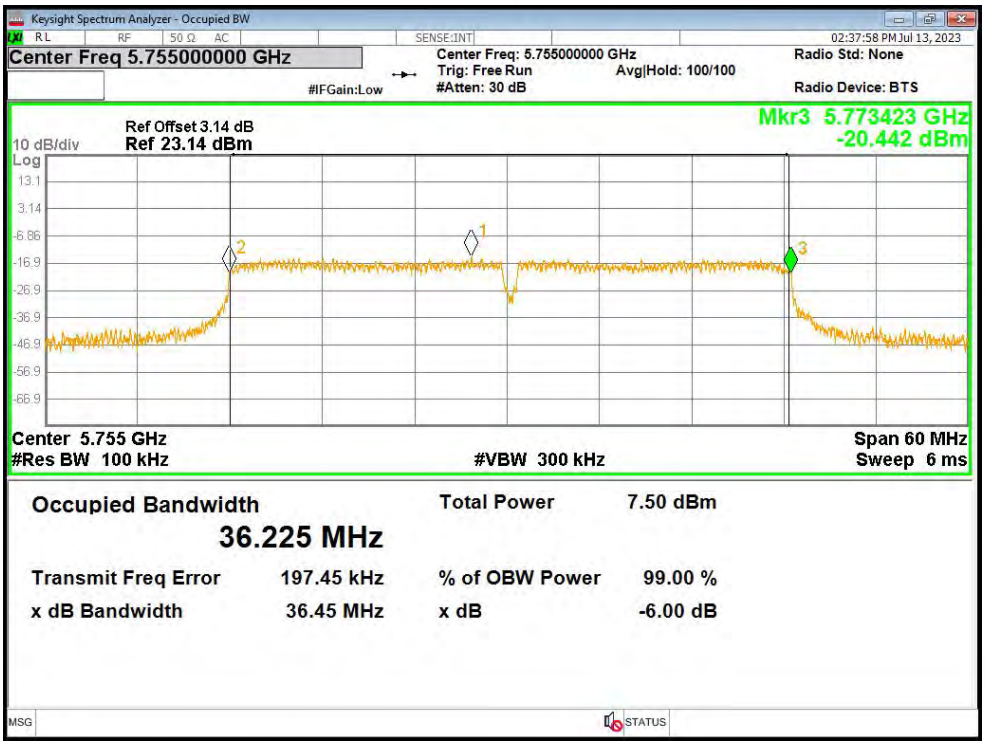
-6dB Bandwidth NVNT ac20 5785MHz Ant1



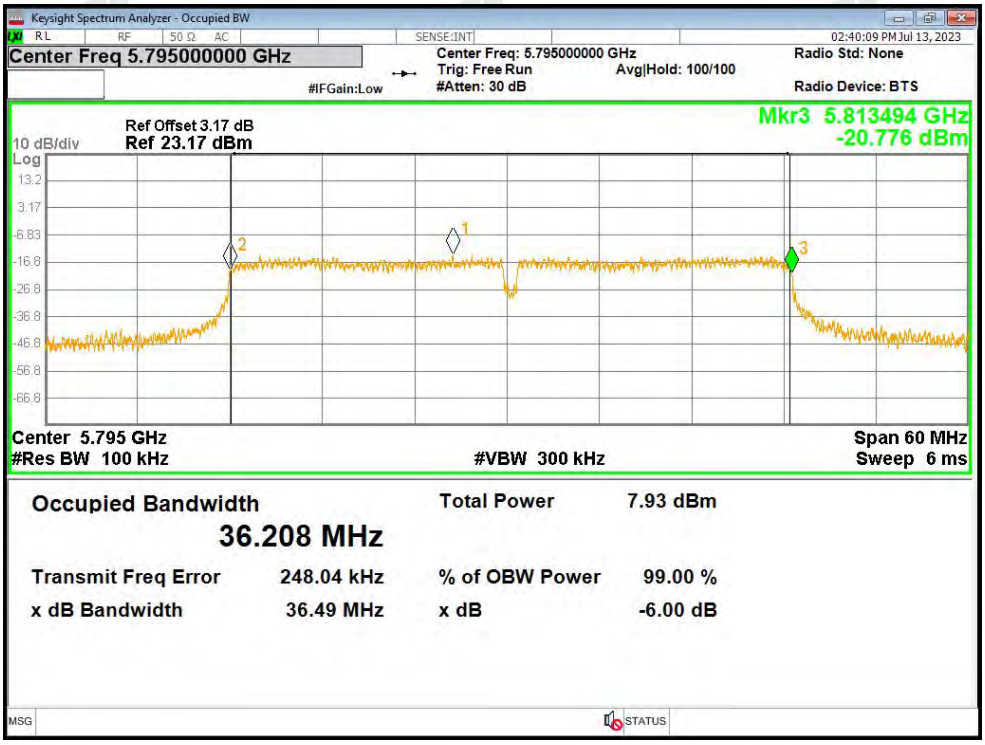
-6dB Bandwidth NVNT ac20 5825MHz Ant1



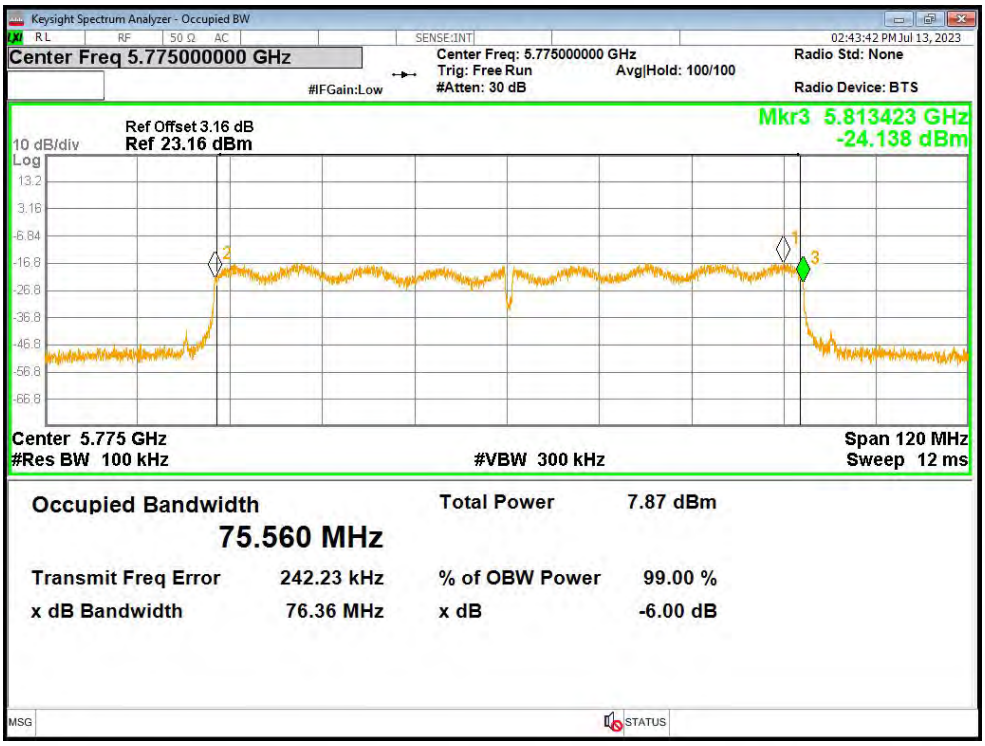
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1

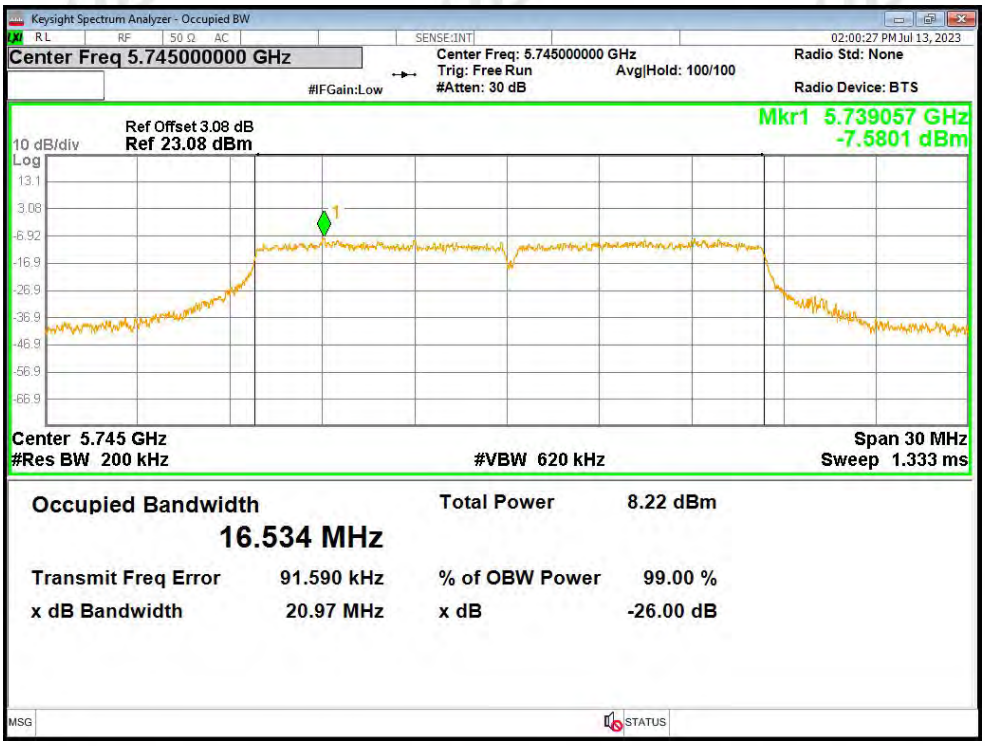


B.4 Occupied Channel Bandwidth

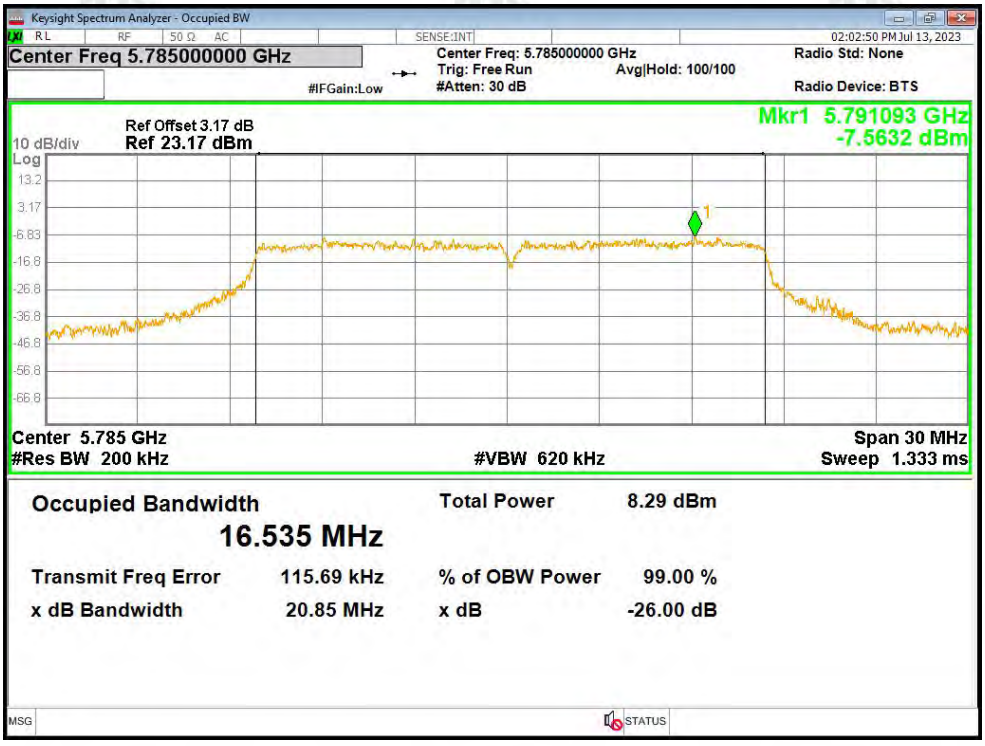
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.534
NVNT	a	5785	Ant1	16.535
NVNT	a	5825	Ant1	16.525
NVNT	n20	5745	Ant1	17.655
NVNT	n20	5785	Ant1	17.673
NVNT	n20	5825	Ant1	17.686
NVNT	n40	5755	Ant1	36.257
NVNT	n40	5795	Ant1	36.243
NVNT	ac20	5745	Ant1	17.703
NVNT	ac20	5785	Ant1	17.695
NVNT	ac20	5825	Ant1	17.694
NVNT	ac40	5755	Ant1	36.324
NVNT	ac40	5795	Ant1	36.35
NVNT	ac80	5775	Ant1	75.707

Test Graphs

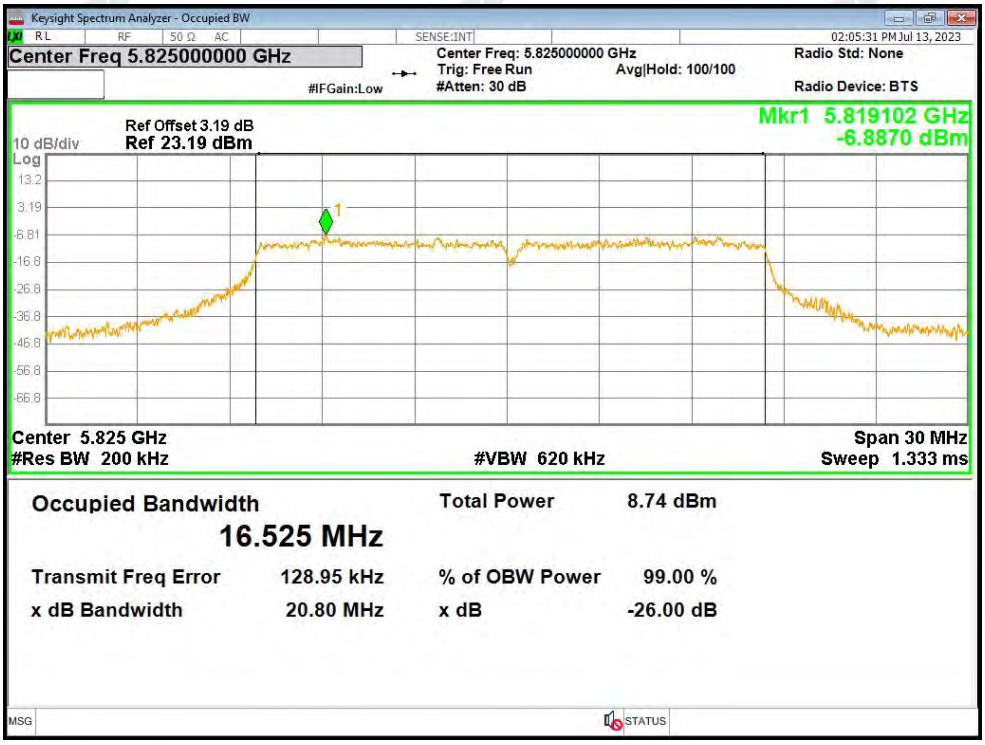
OBW NVNT a 5745MHz Ant1



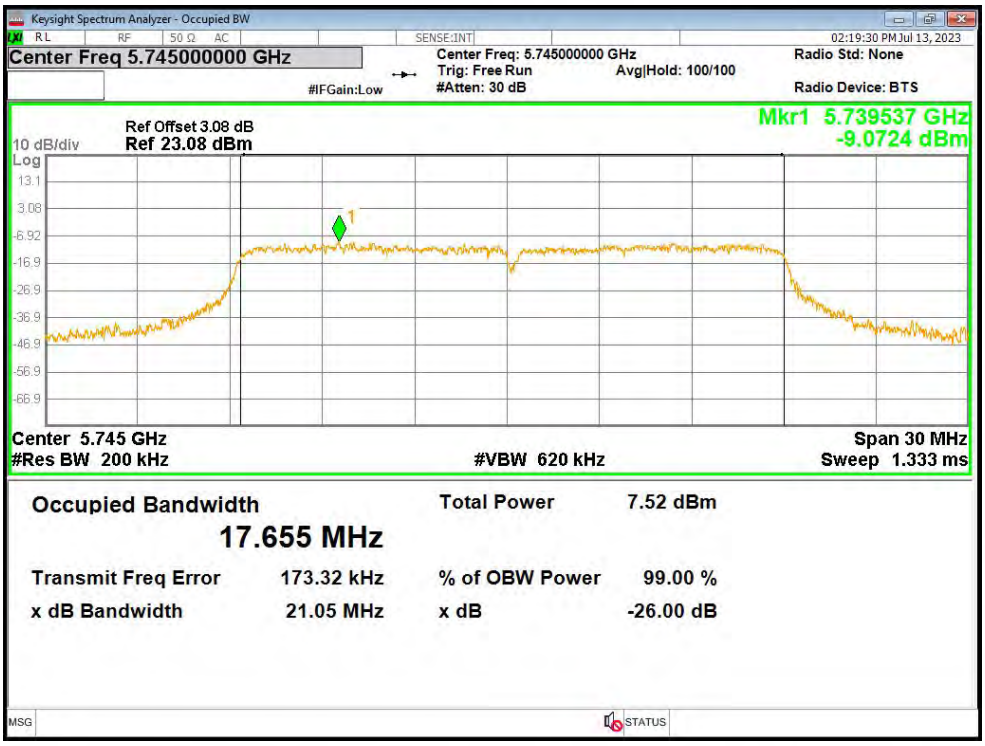
OBW NVNT a 5785MHz Ant1



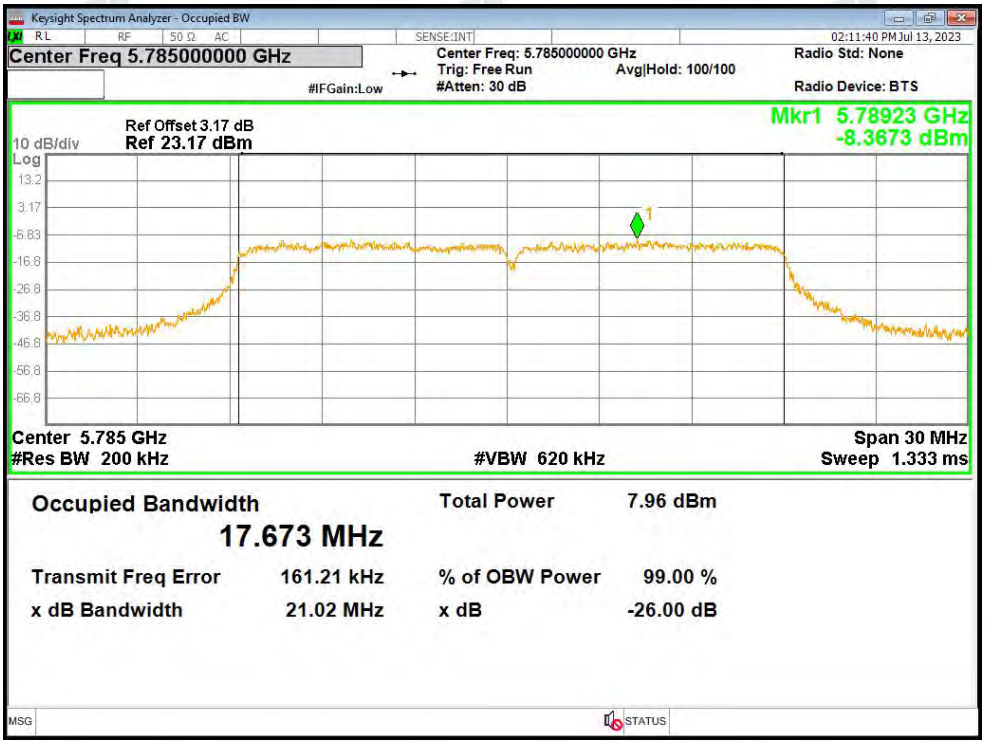
OBW NVNT a 5825MHz Ant1



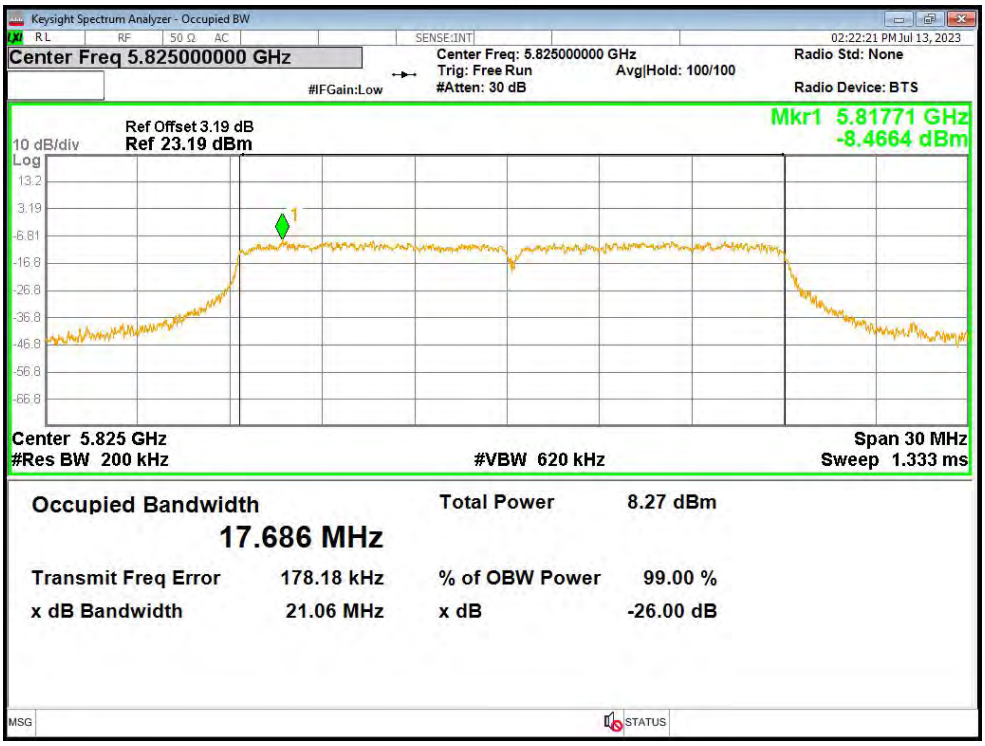
OBW NVNT n20 5745MHz Ant1



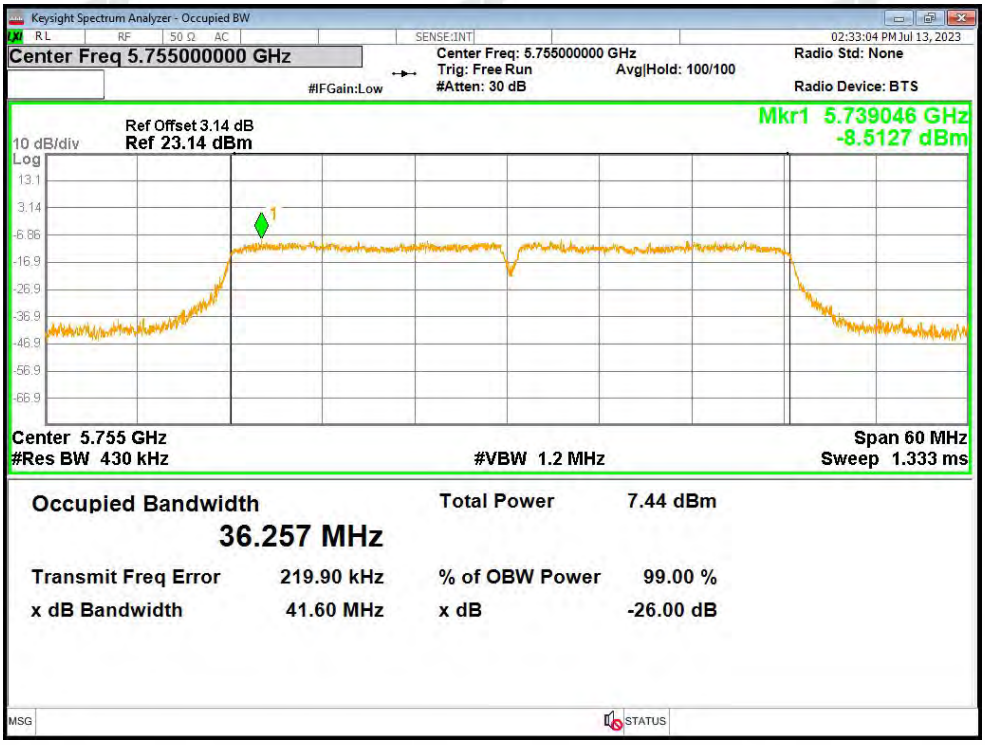
OBW NVNT n20 5785MHz Ant1



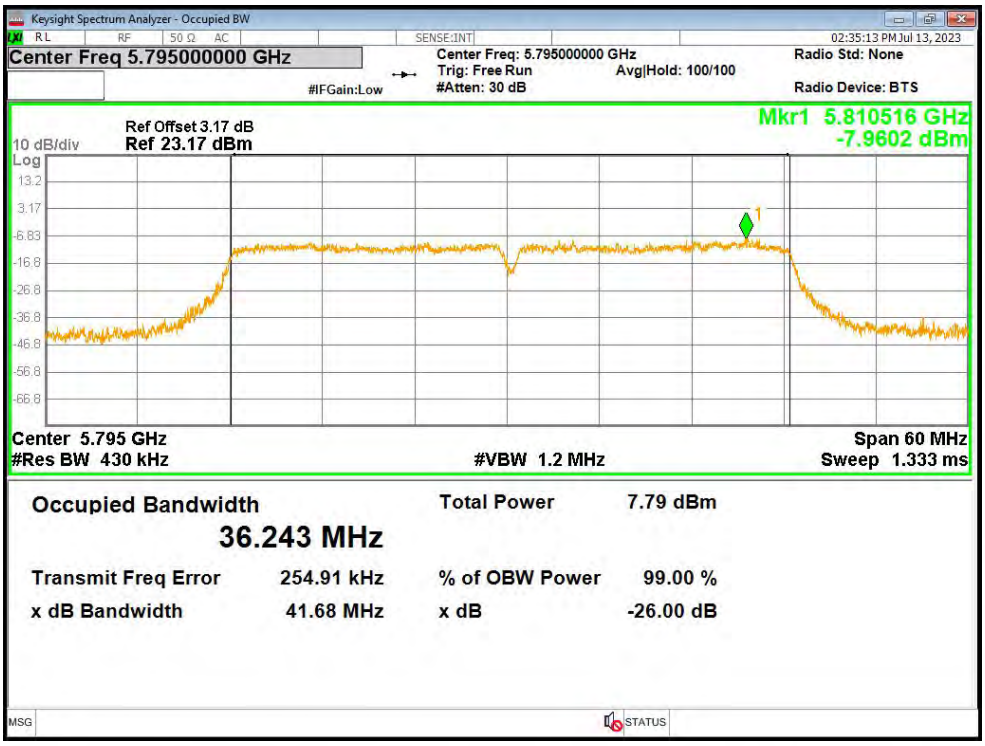
OBW NVNT n20 5825MHz Ant1



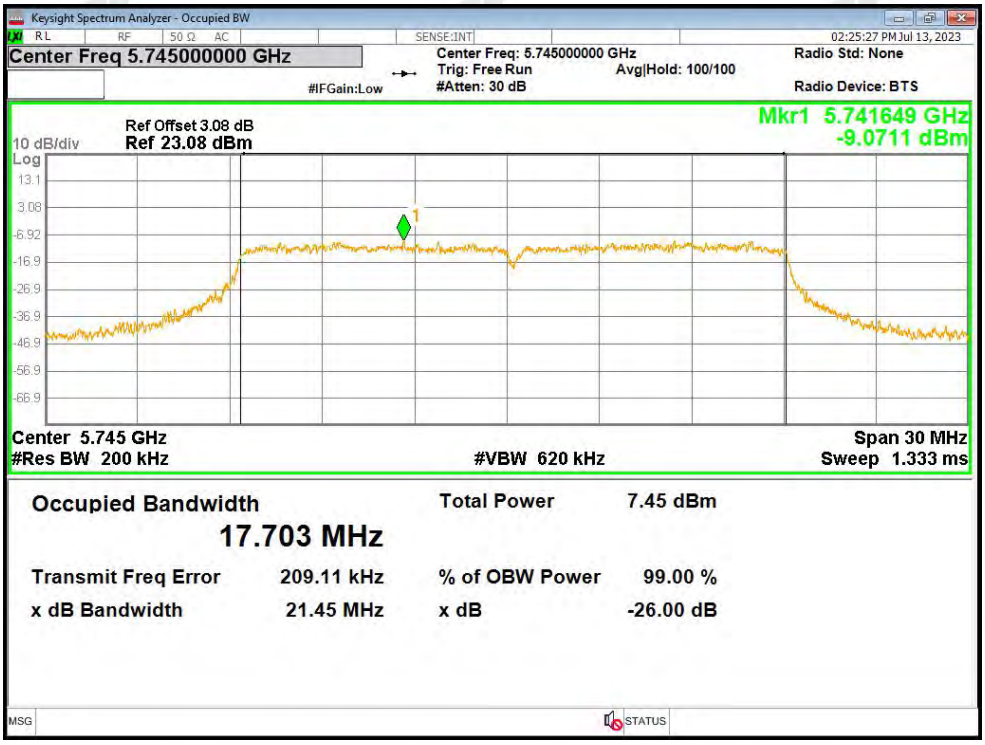
OBW NVNT n40 5755MHz Ant1



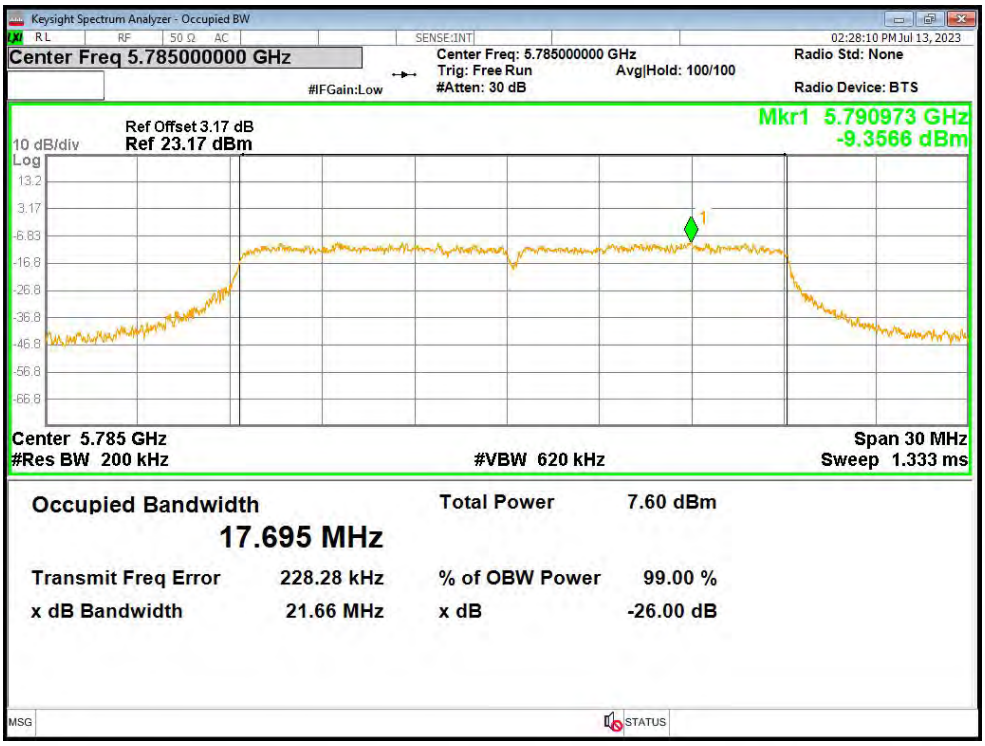
OBW NVNT n40 5795MHz Ant1



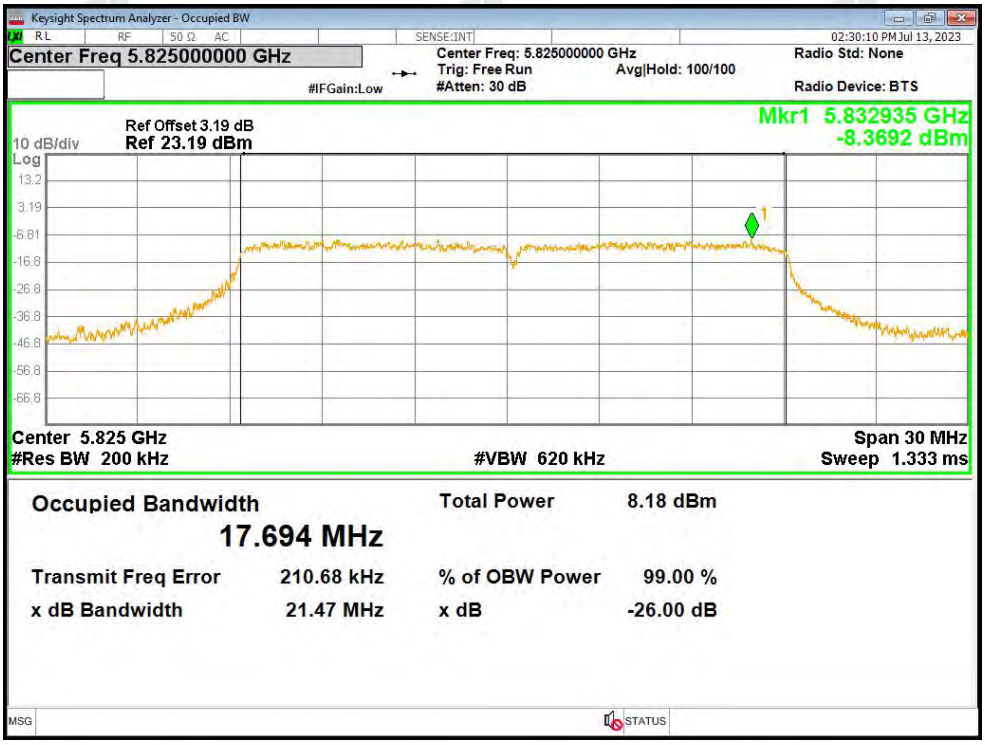
OBW NVNT ac20 5745MHz Ant1



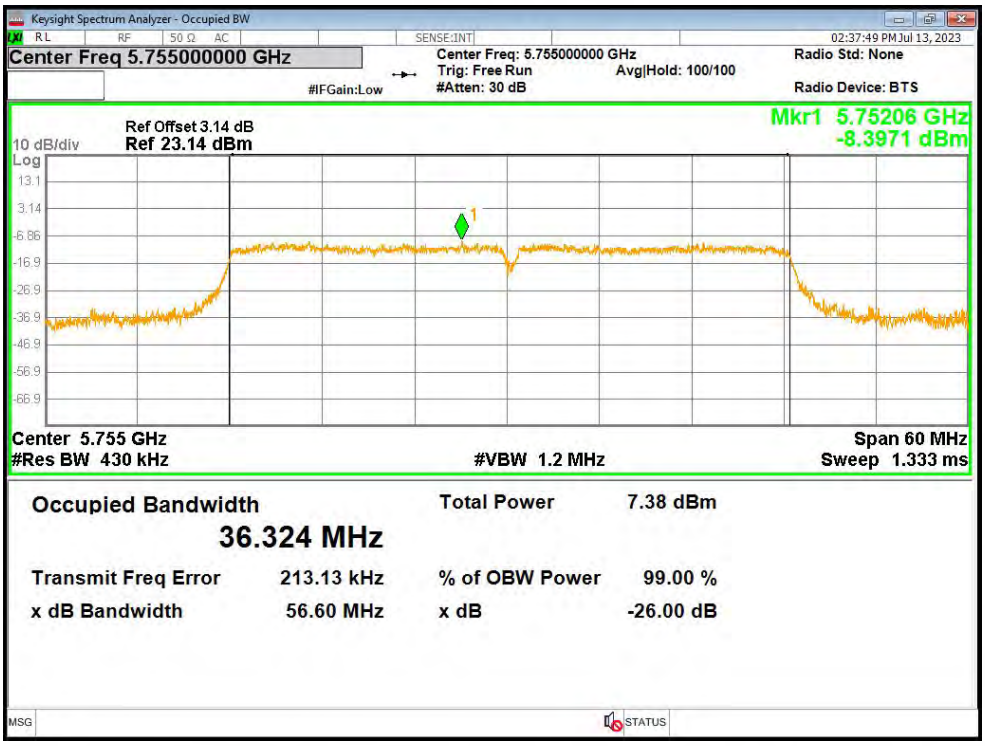
OBW NVNT ac20 5785MHz Ant1



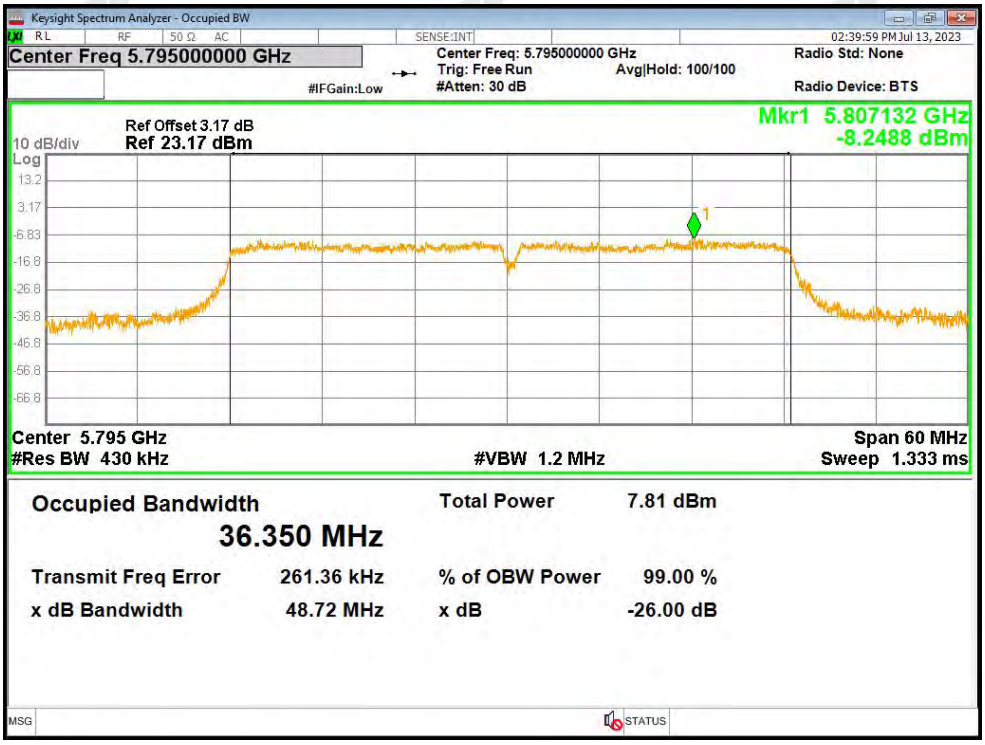
OBW NVNT ac20 5825MHz Ant1



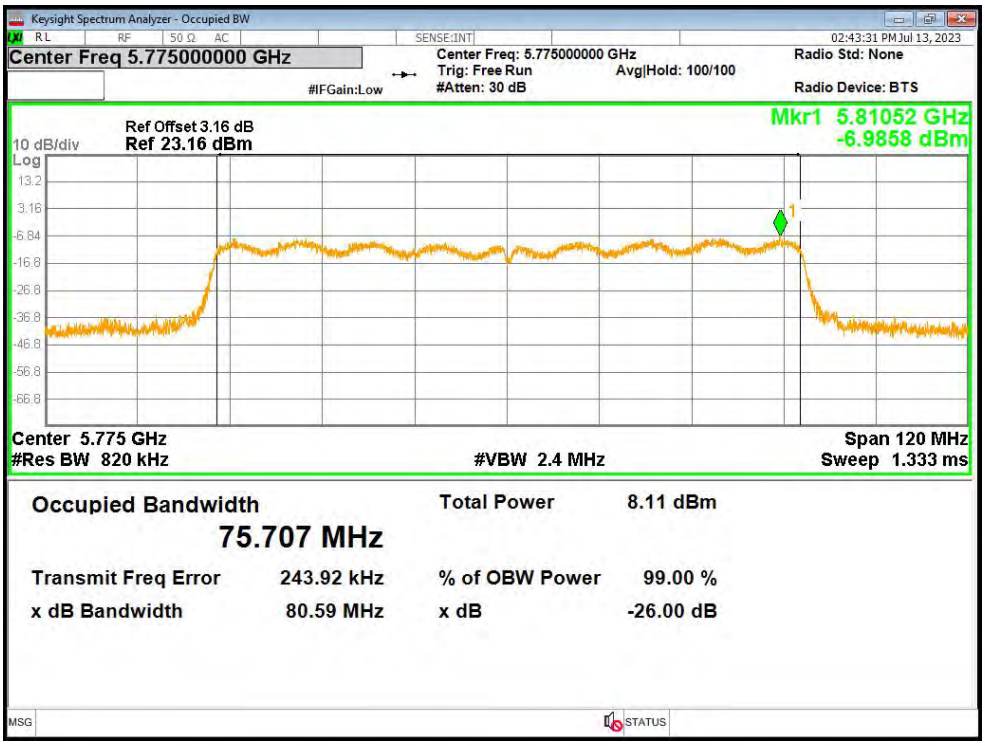
OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1



OBW NVNT ac80 5775MHz Ant1



B.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	5745	Ant1	-12.75	0	-12.75	30	Pass
NVNT	a	5785	Ant1	-12.66	0	-12.66	30	Pass
NVNT	a	5825	Ant1	-12.05	0	-12.05	30	Pass
NVNT	n20	5745	Ant1	-13.88	0	-13.88	30	Pass
NVNT	n20	5785	Ant1	-13.38	0	-13.38	30	Pass
NVNT	n20	5825	Ant1	-12.97	0	-12.97	30	Pass
NVNT	n40	5755	Ant1	-17.06	0	-17.06	30	Pass
NVNT	n40	5795	Ant1	-16.26	0	-16.26	30	Pass
NVNT	ac20	5745	Ant1	-13.92	0	-13.92	30	Pass
NVNT	ac20	5785	Ant1	-13.64	0	-13.64	30	Pass
NVNT	ac20	5825	Ant1	-12.97	0	-12.97	30	Pass
NVNT	ac40	5755	Ant1	-17.2	0	-17.2	30	Pass
NVNT	ac40	5795	Ant1	-16.91	0	-16.91	30	Pass
NVNT	ac80	5775	Ant1	-19.05	0.28	-18.77	30	Pass

Test Graphs

PSD NVNT a 5745MHz Ant1

PSD NVNT a 5785MHz Ant1

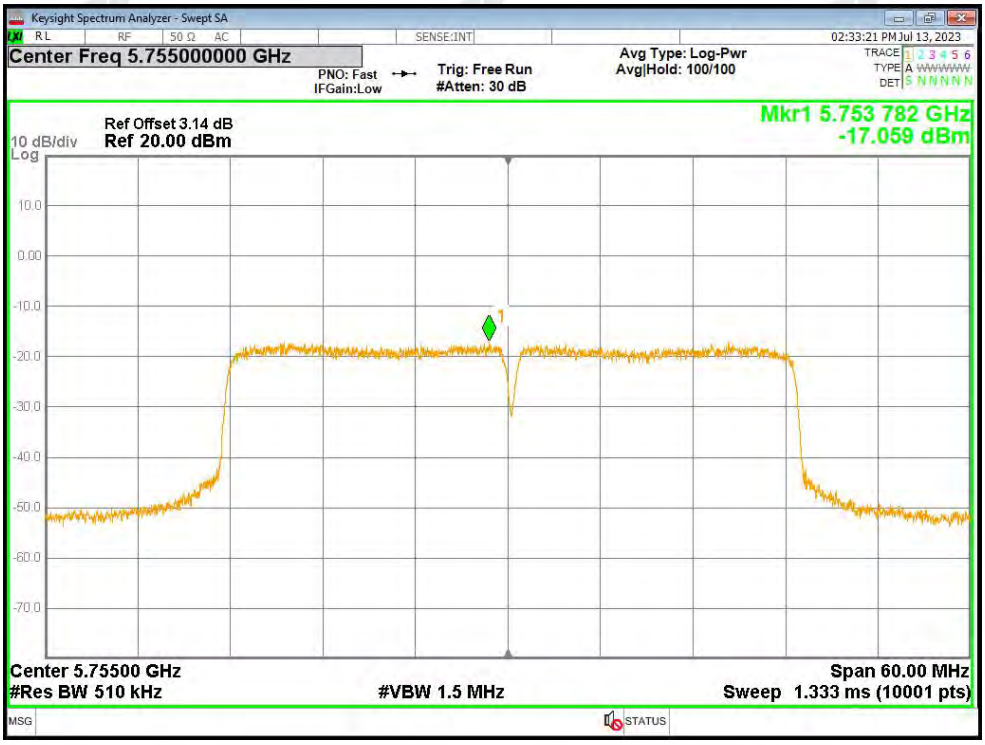
PSD NVNT a 5825MHz Ant1

PSD NVNT n20 5745MHz Ant1

PSD NVNT n20 5785MHz Ant1

PSD NVNT n20 5825MHz Ant1

PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

PSD NVNT ac20 5745MHz Ant1

PSD NVNT ac20 5785MHz Ant1