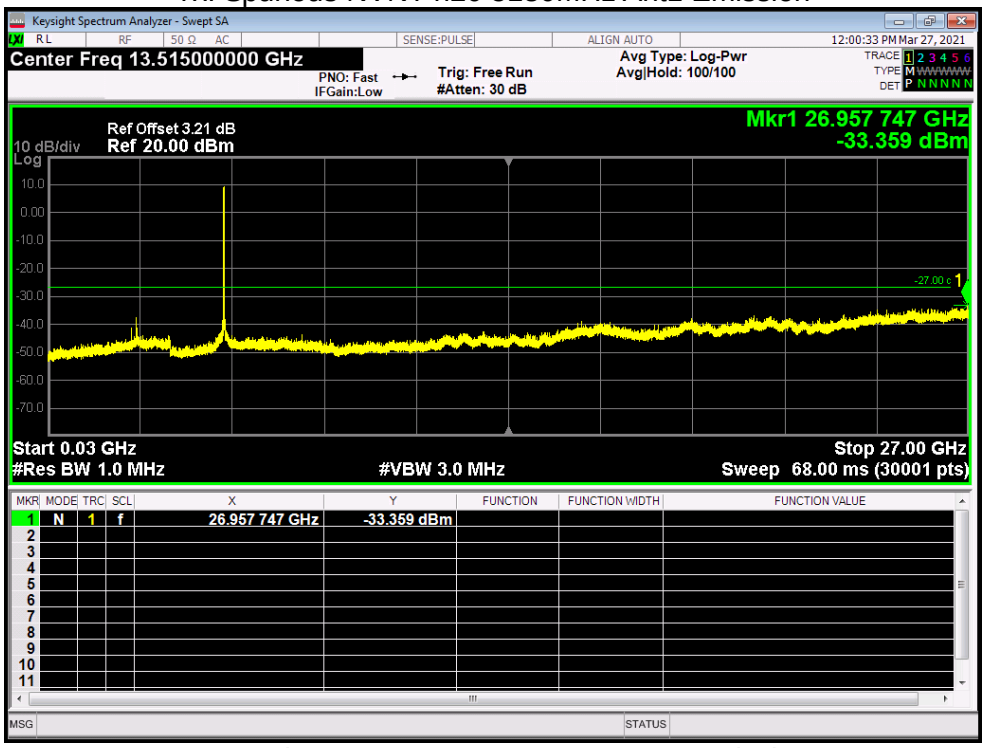
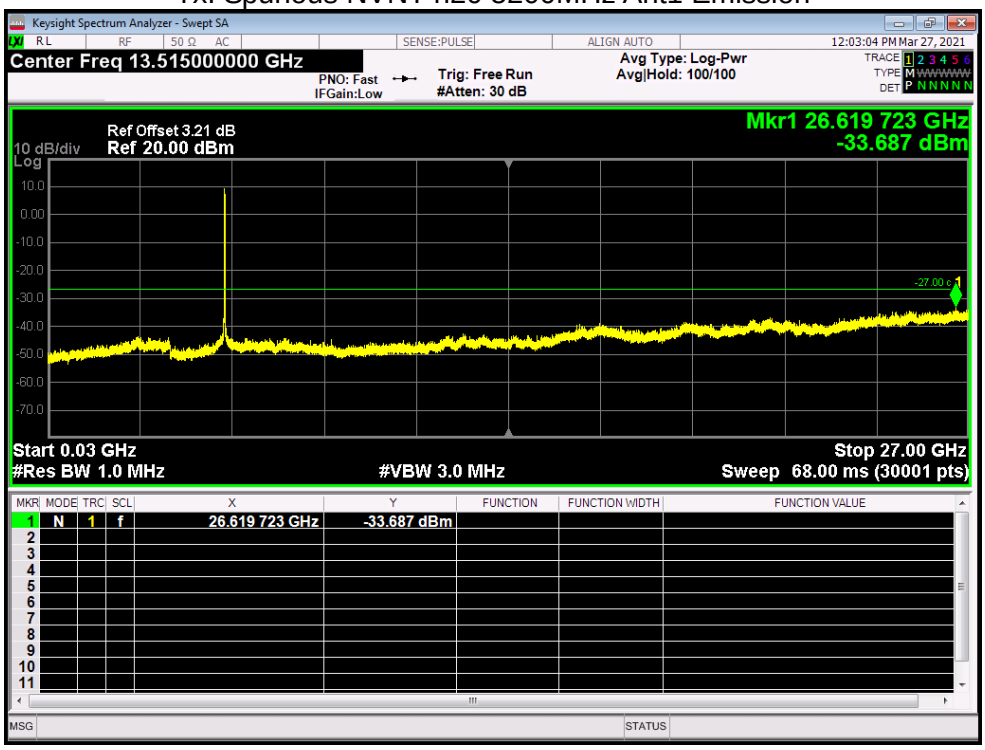
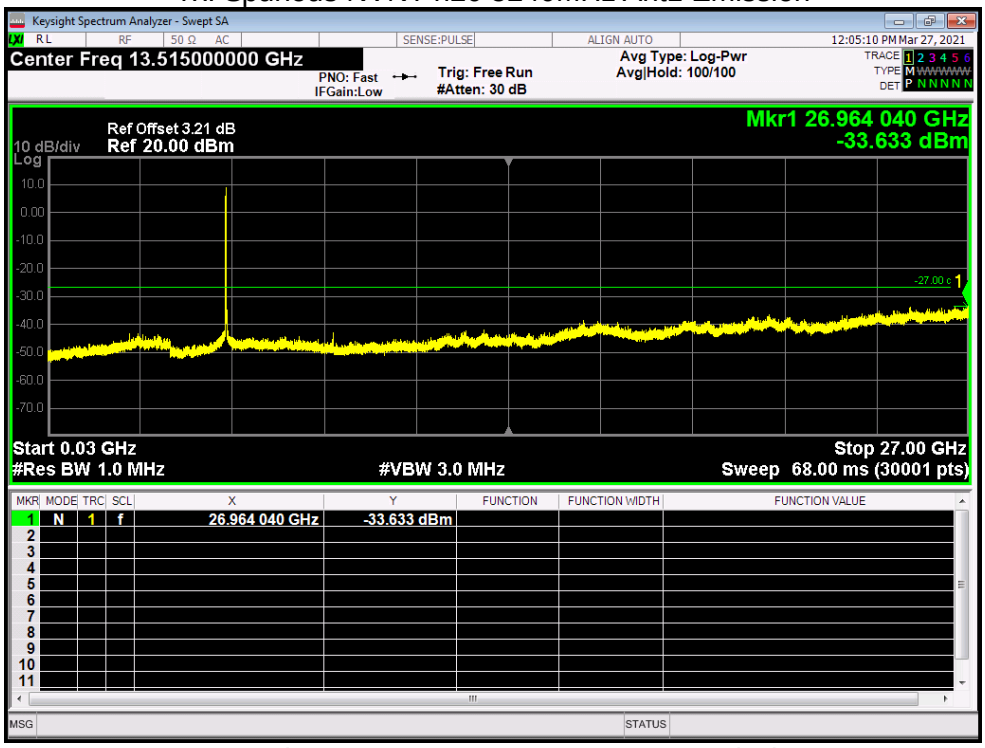
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



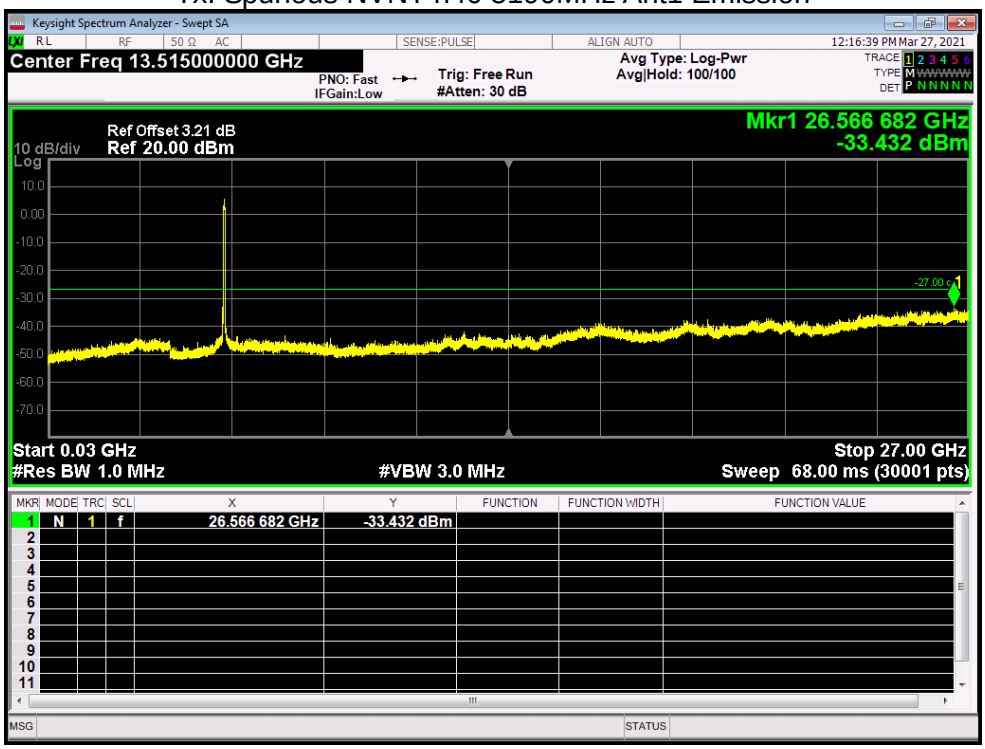
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



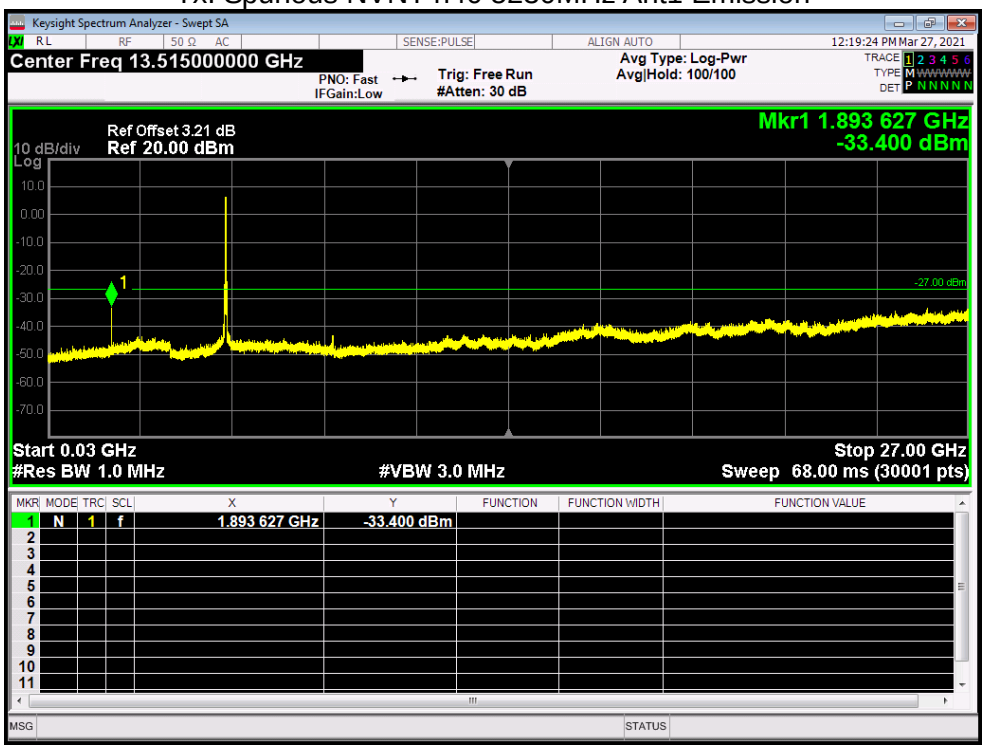
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



Tx. Spurious NVNT n40 5190MHz Ant1 Emission



Tx. Spurious NVNT n40 5230MHz Ant1 Emission

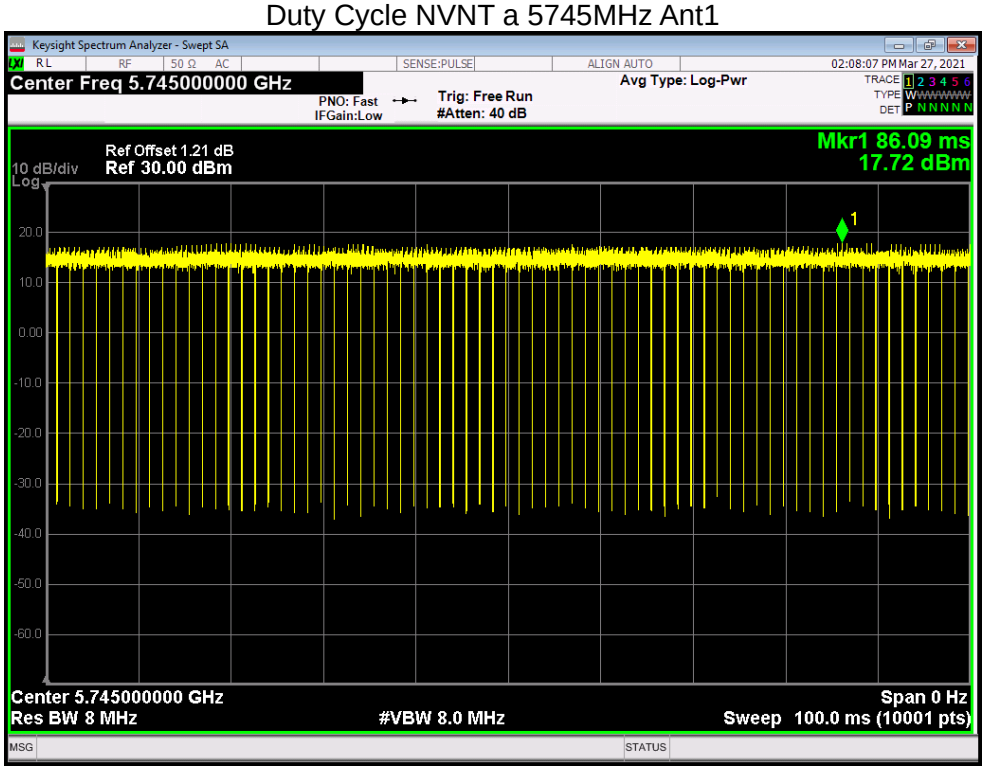


5.8G

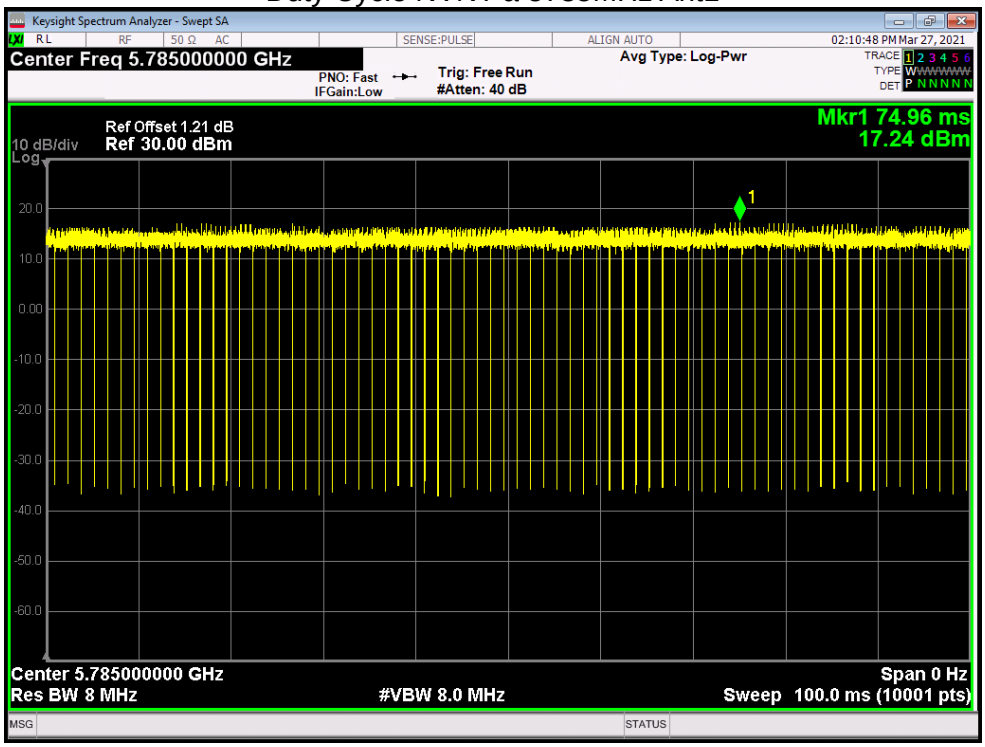
5.1 DUTY CYCLE

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	100	0
NVNT	a	5785	Ant1	100	0
NVNT	a	5825	Ant1	100	0
NVNT	ac20	5745	Ant1	100	0
NVNT	ac20	5785	Ant1	100	0
NVNT	ac20	5825	Ant1	100	0
NVNT	ac40	5755	Ant1	100	0
NVNT	ac40	5795	Ant1	100	0
NVNT	ac80	5775	Ant1	93.19	0.31
NVNT	n20	5745	Ant1	100	0
NVNT	n20	5785	Ant1	100	0
NVNT	n20	5825	Ant1	100	0
NVNT	n40	5755	Ant1	100	0
NVNT	n40	5795	Ant1	100	0

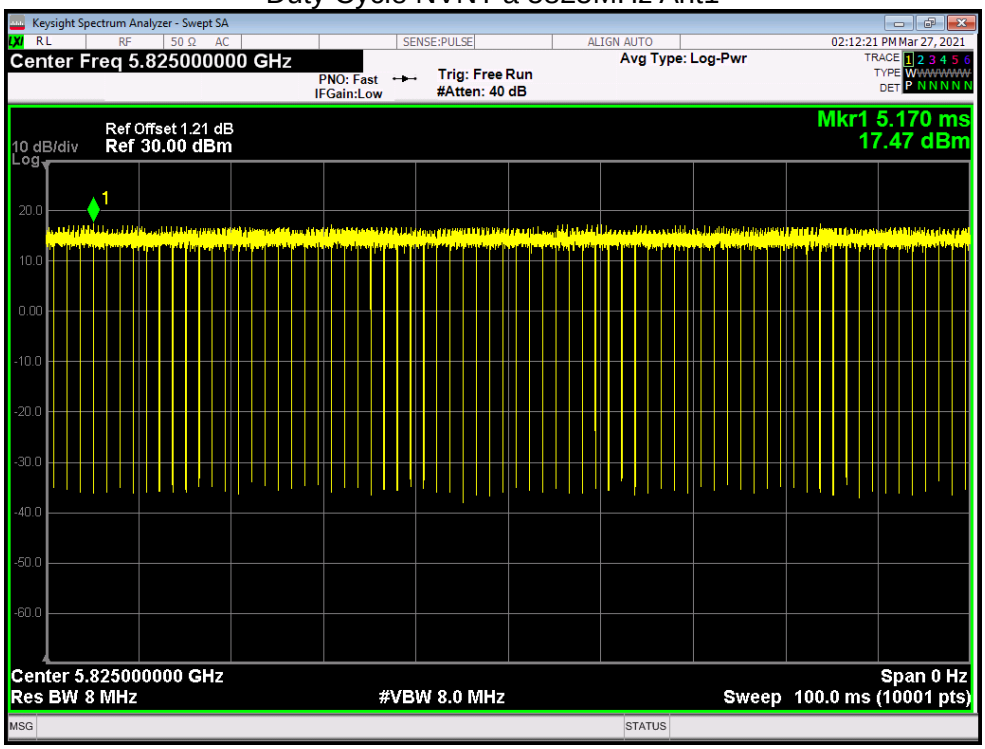
Duty Cycle NVNT a 5745MHz Ant1



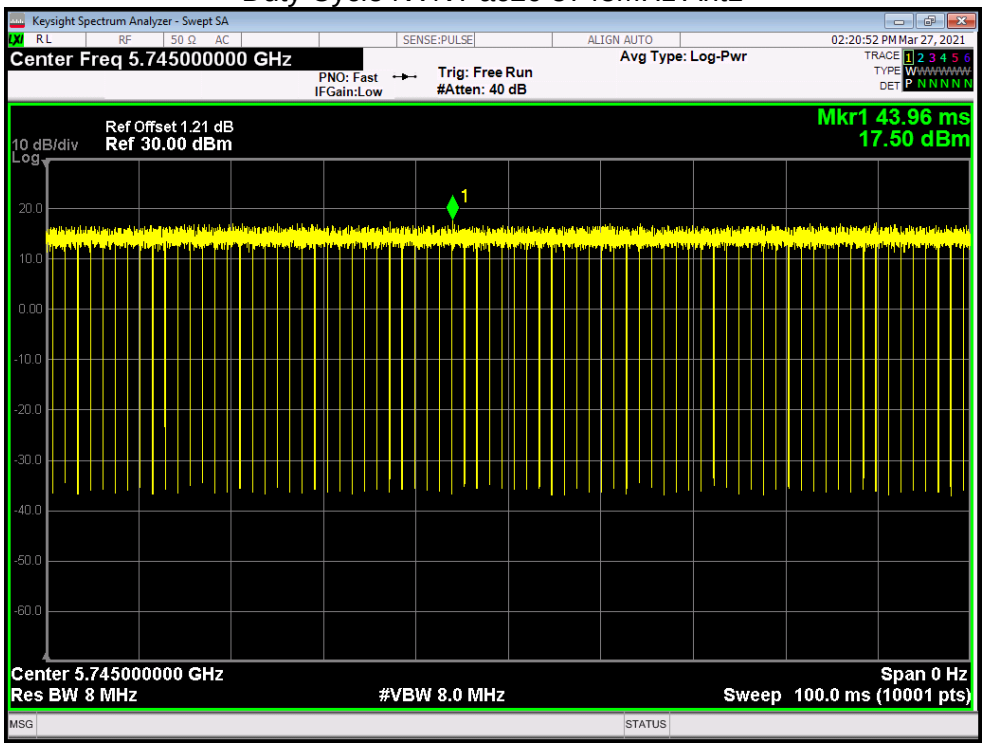
Duty Cycle NVNT a 5785MHz Ant1



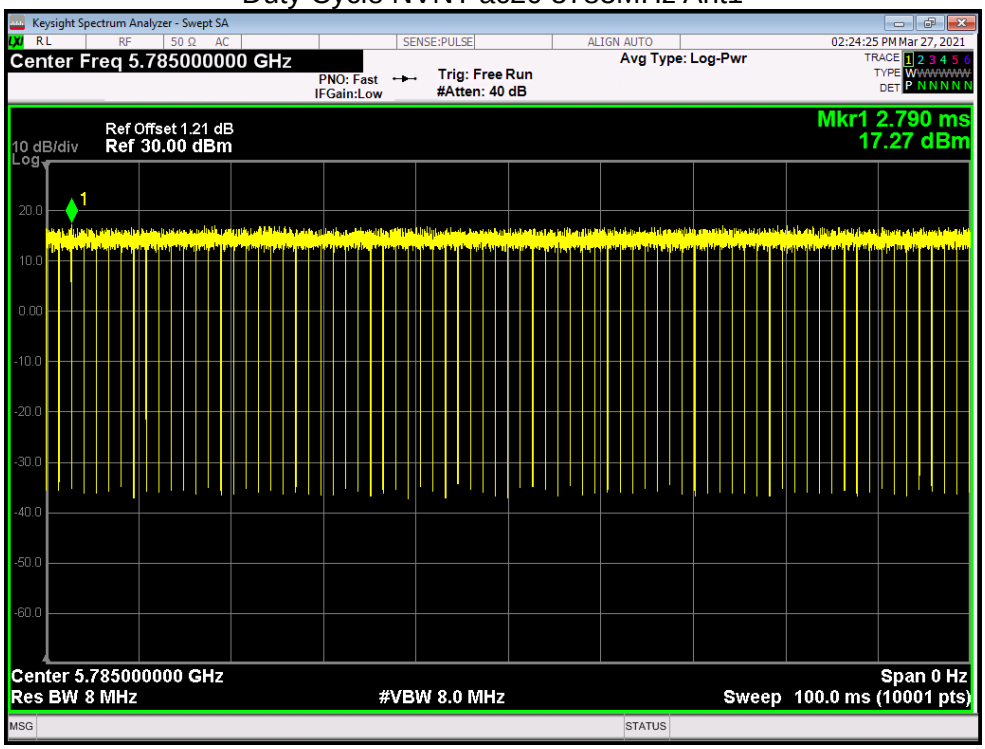
Duty Cycle NVNT a 5825MHz Ant1



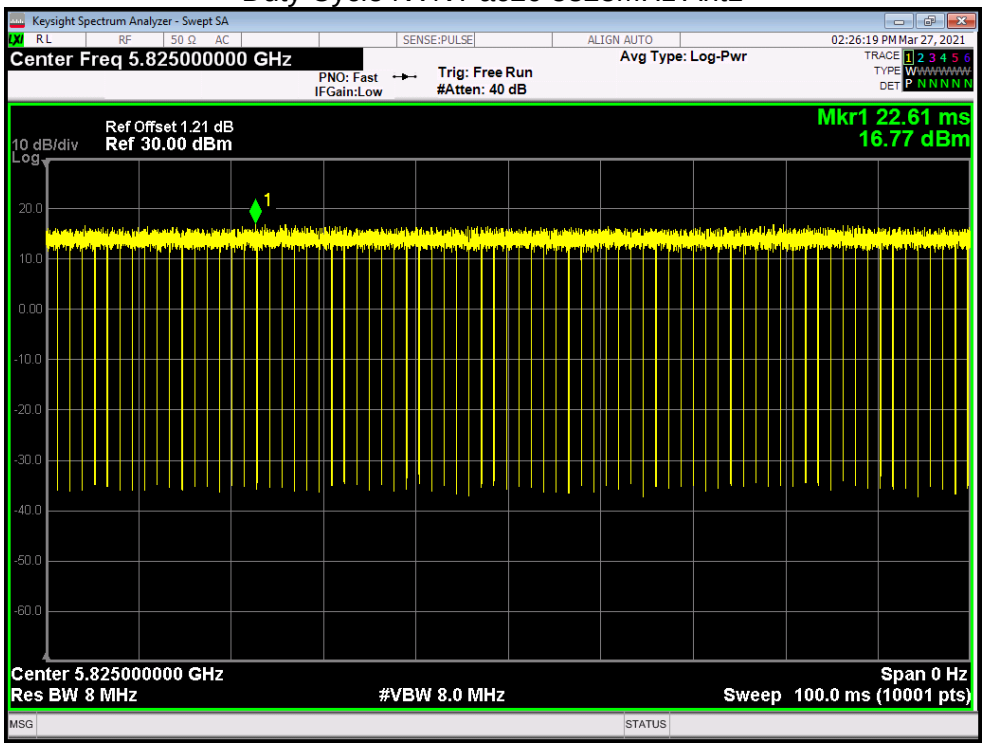
Duty Cycle NVNT ac20 5745MHz Ant1



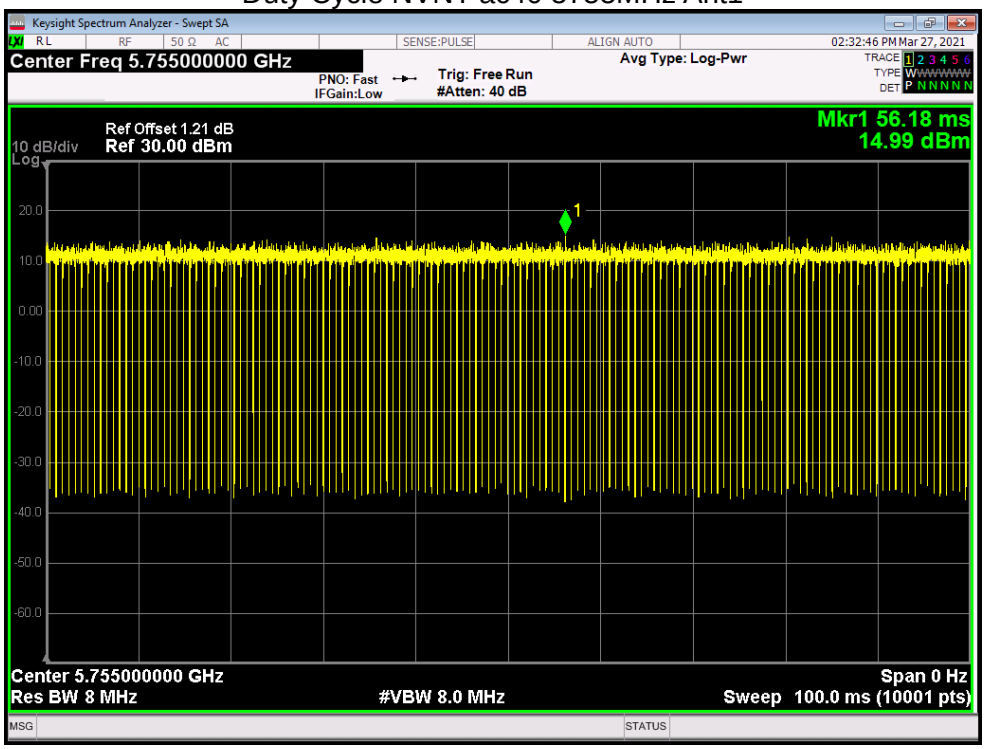
Duty Cycle NVNT ac20 5785MHz Ant1



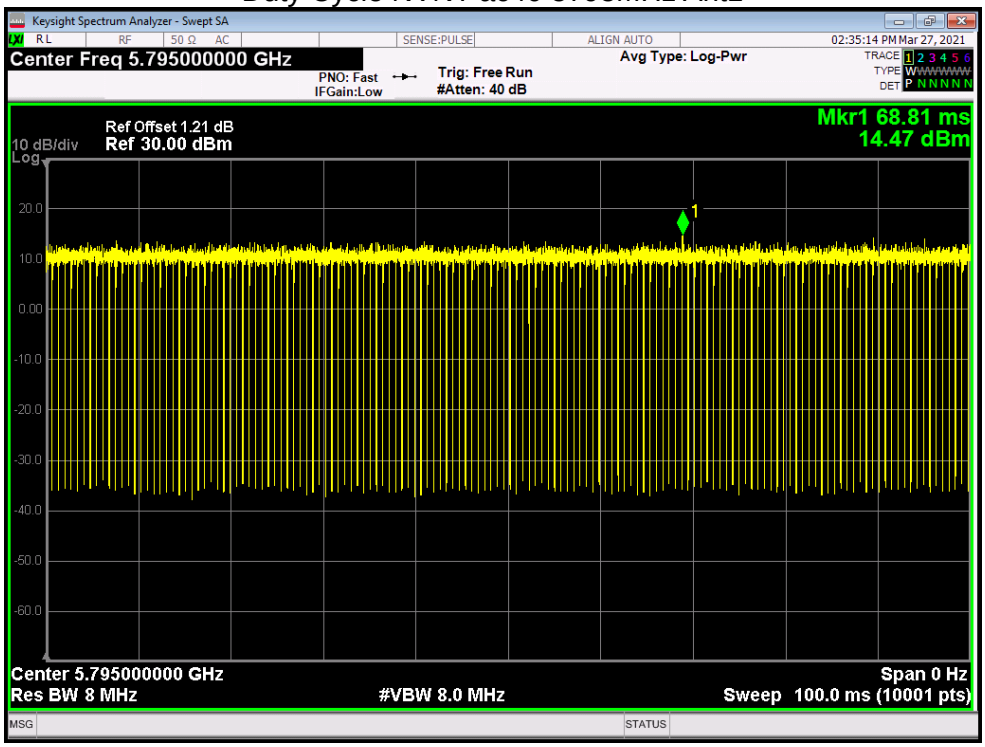
Duty Cycle NVNT ac20 5825MHz Ant1



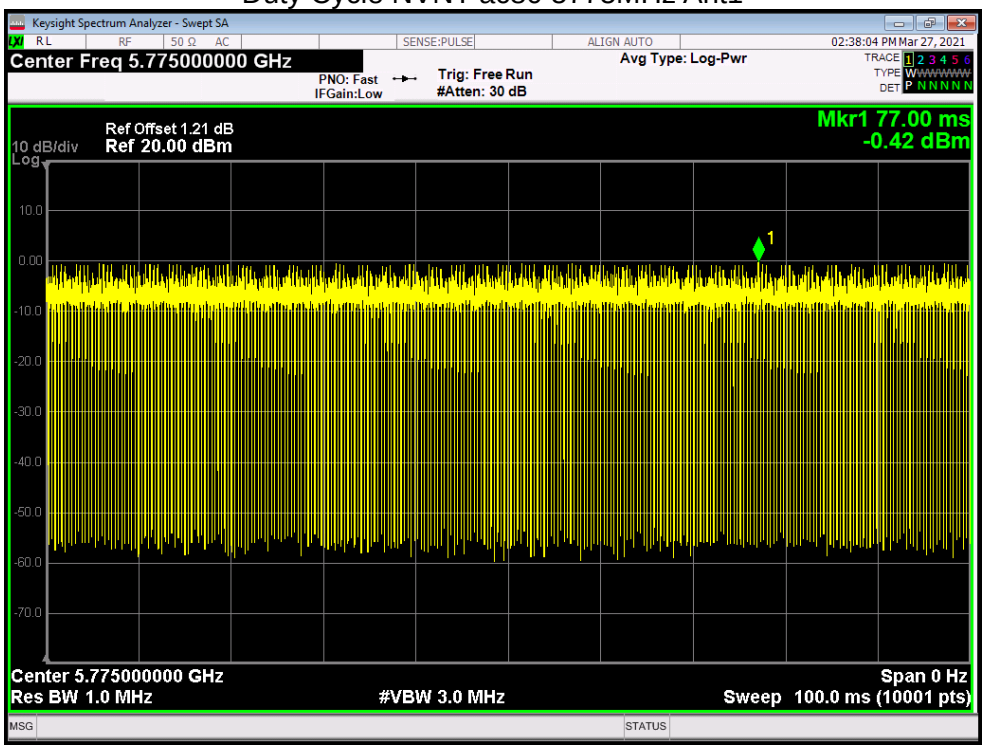
Duty Cycle NVNT ac40 5755MHz Ant1



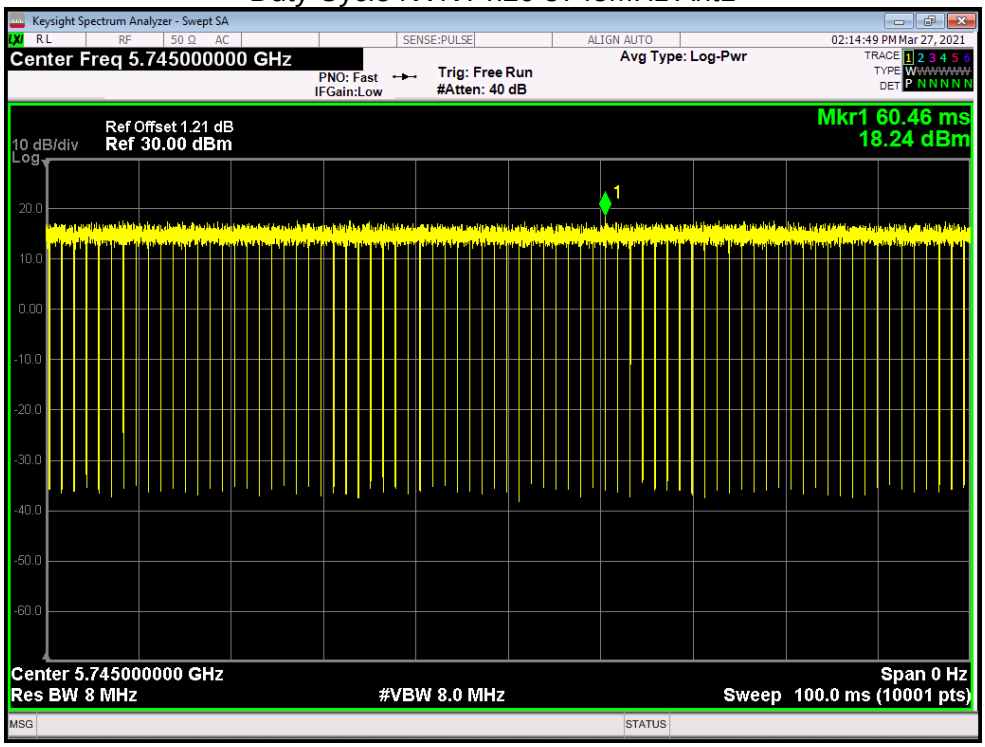
Duty Cycle NVNT ac40 5795MHz Ant1



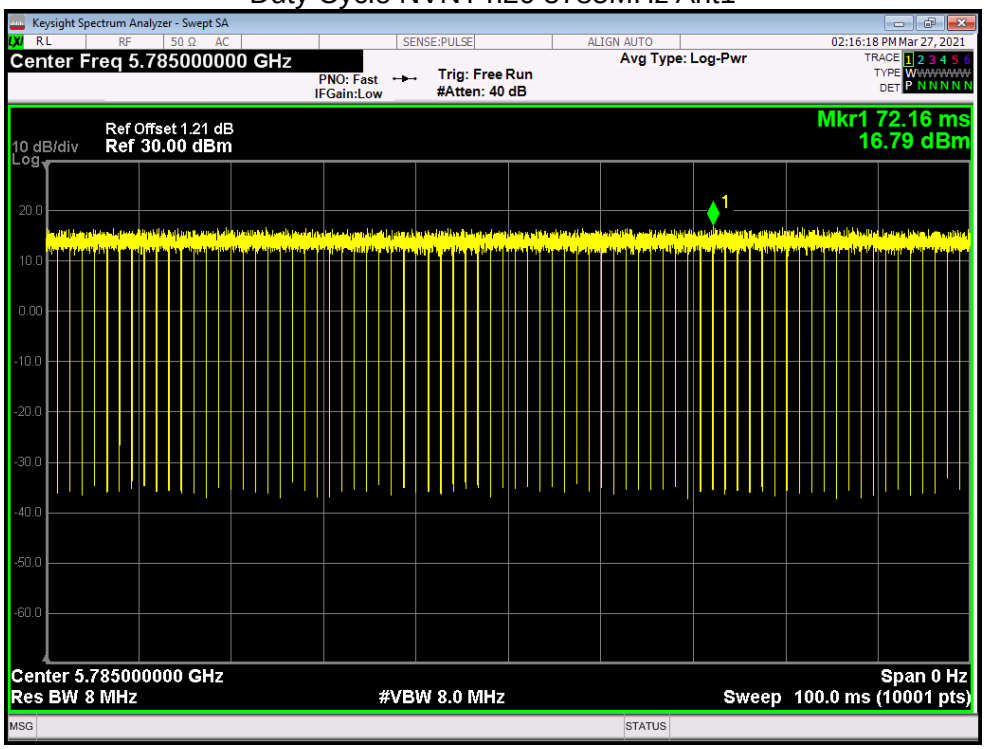
Duty Cycle NVNT ac80 5775MHz Ant1



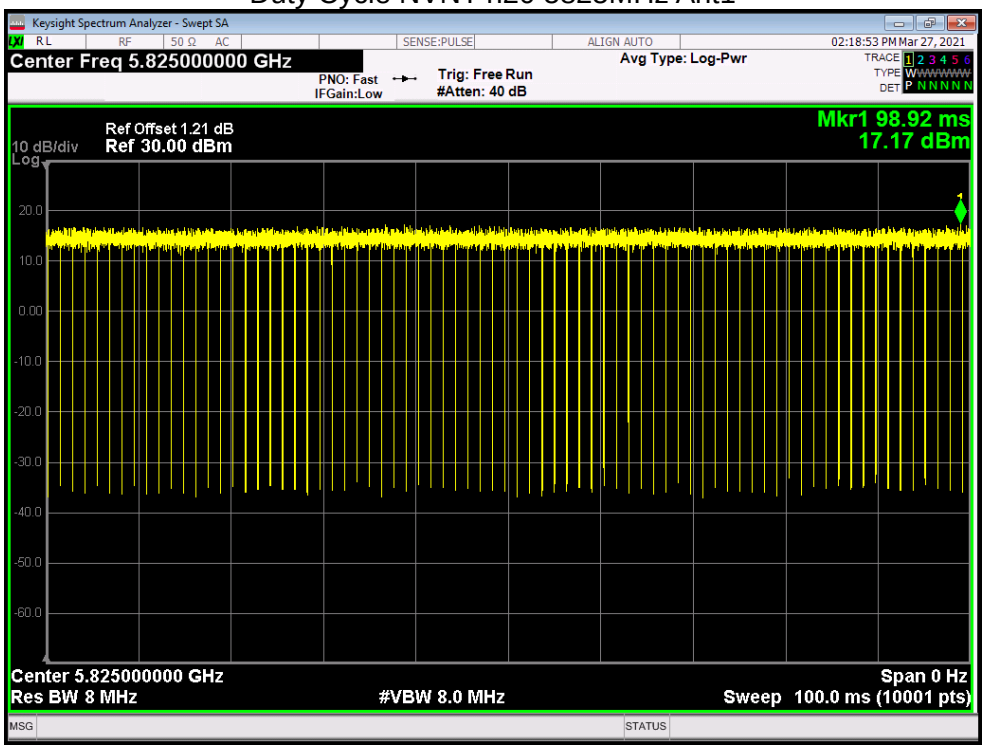
Duty Cycle NVNT n20 5745MHz Ant1



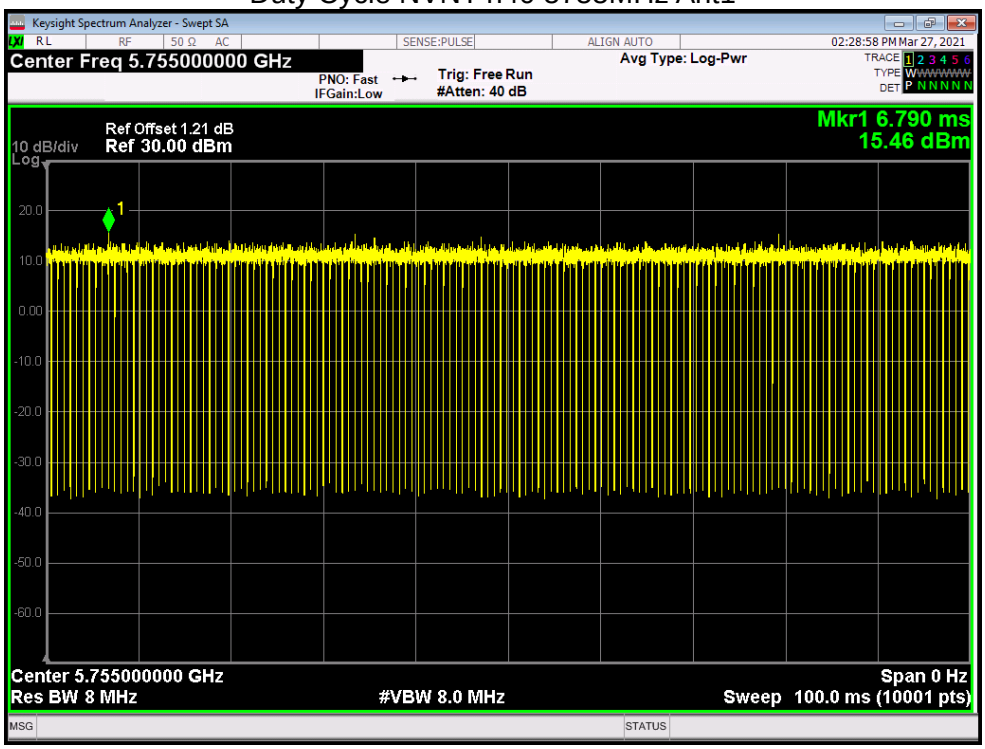
Duty Cycle NVNT n20 5785MHz Ant1



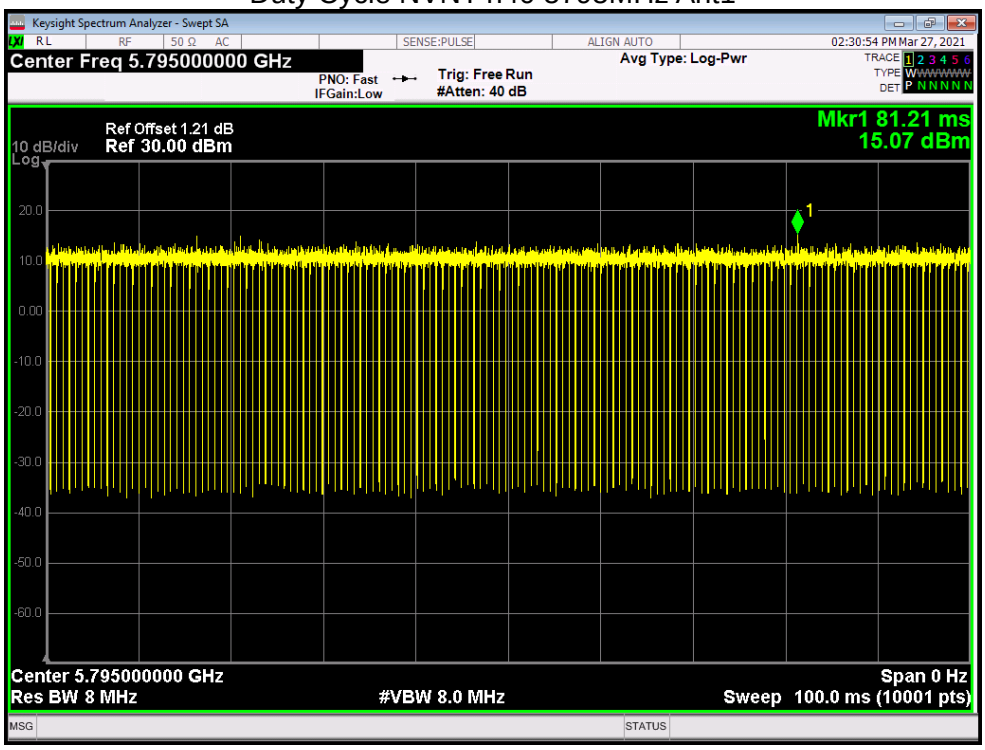
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



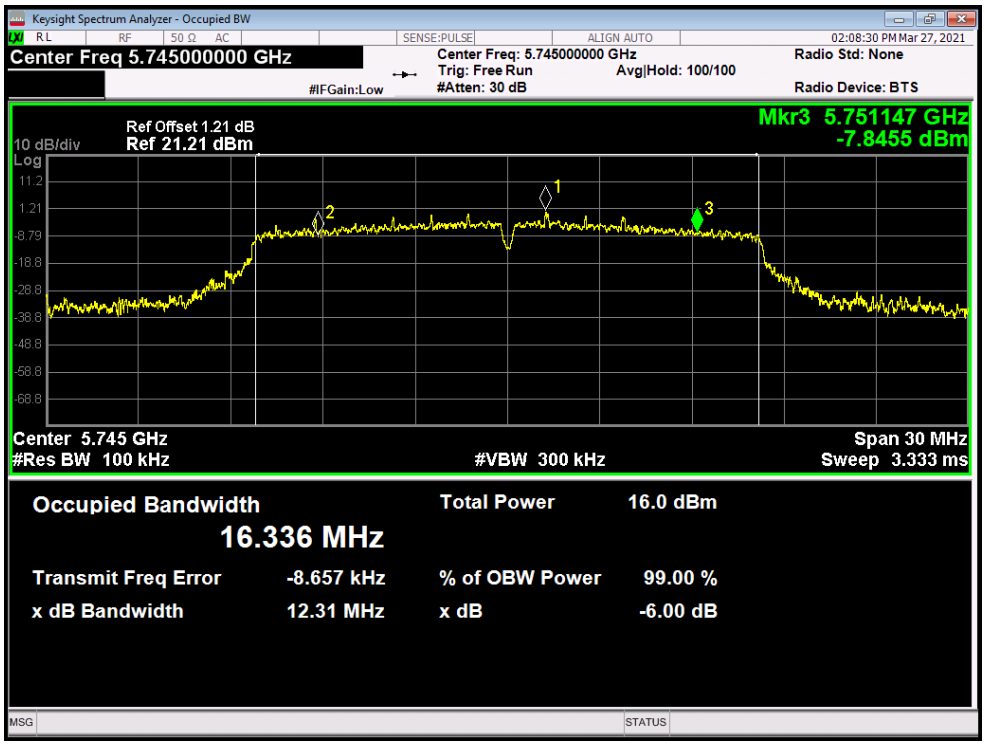
5.2 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	10.101	0	10.101	30	Pass
NVNT	a	5785	Ant1	9.339	0	9.339	30	Pass
NVNT	a	5825	Ant1	9.977	0	9.977	30	Pass
NVNT	ac20	5745	Ant1	9.49	0	9.49	30	Pass
NVNT	ac20	5785	Ant1	9.571	0	9.571	30	Pass
NVNT	ac20	5825	Ant1	9.246	0	9.246	30	Pass
NVNT	ac40	5755	Ant1	9.647	0	9.647	30	Pass
NVNT	ac40	5795	Ant1	9.02	0	9.02	30	Pass
NVNT	ac80	5775	Ant1	9.476	0.31	9.786	30	Pass
NVNT	n20	5745	Ant1	10.072	0	10.072	30	Pass
NVNT	n20	5785	Ant1	9.131	0	9.131	30	Pass
NVNT	n20	5825	Ant1	9.754	0	9.754	30	Pass
NVNT	n40	5755	Ant1	9.637	0	9.637	30	Pass
NVNT	n40	5795	Ant1	9.043	0	9.043	30	Pass

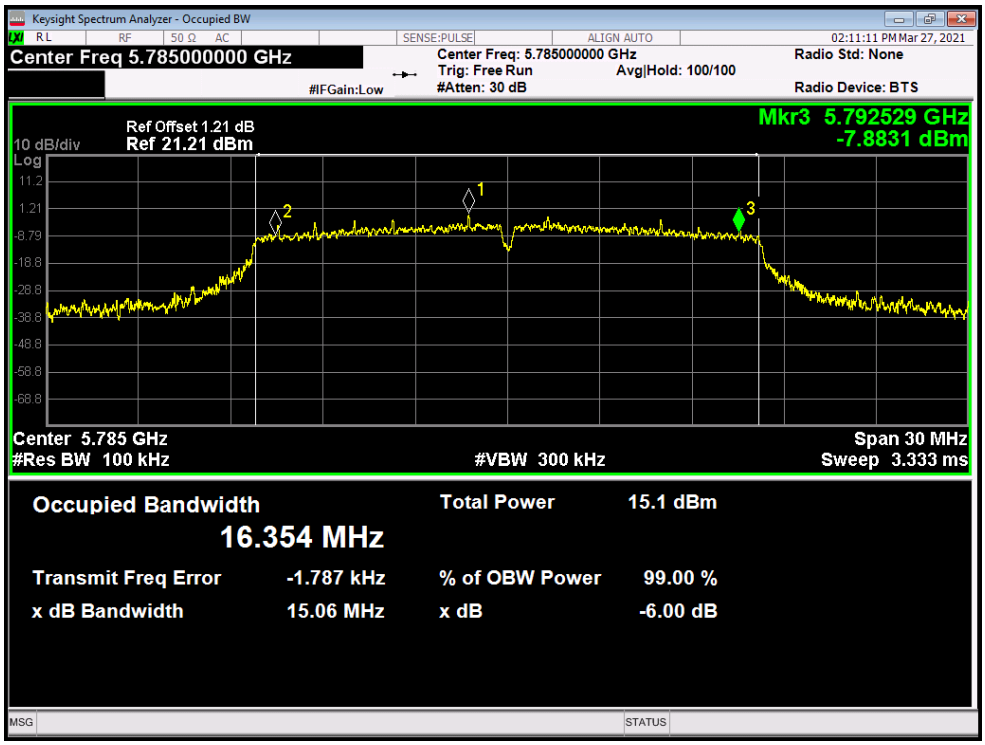
5.3 -6DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	12.311	0.5	Pass
NVNT	a	5785	Ant1	15.061	0.5	Pass
NVNT	a	5825	Ant1	12.524	0.5	Pass
NVNT	ac20	5745	Ant1	15.439	0.5	Pass
NVNT	ac20	5785	Ant1	15.076	0.5	Pass
NVNT	ac20	5825	Ant1	15.133	0.5	Pass
NVNT	ac40	5755	Ant1	35.069	0.5	Pass
NVNT	ac40	5795	Ant1	33.836	0.5	Pass
NVNT	ac80	5775	Ant1	75.493	0.5	Pass
NVNT	n20	5745	Ant1	15.129	0.5	Pass
NVNT	n20	5785	Ant1	15.634	0.5	Pass
NVNT	n20	5825	Ant1	13.807	0.5	Pass
NVNT	n40	5755	Ant1	35.081	0.5	Pass
NVNT	n40	5795	Ant1	31.358	0.5	Pass

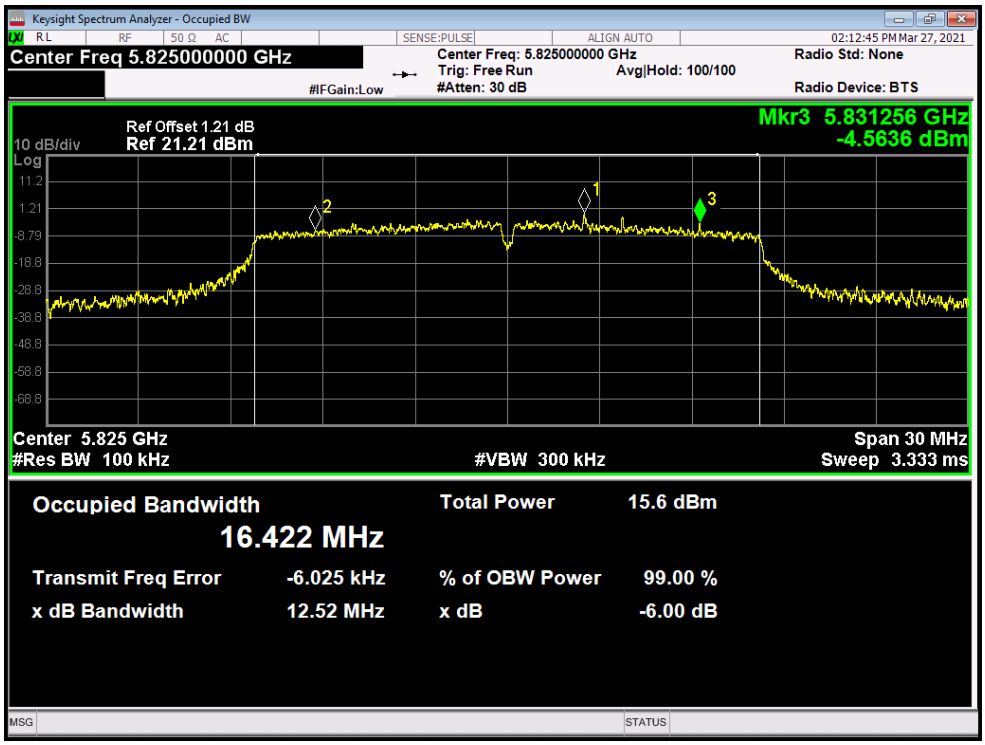
-6dB Bandwidth NVNT a 5745MHz Ant1



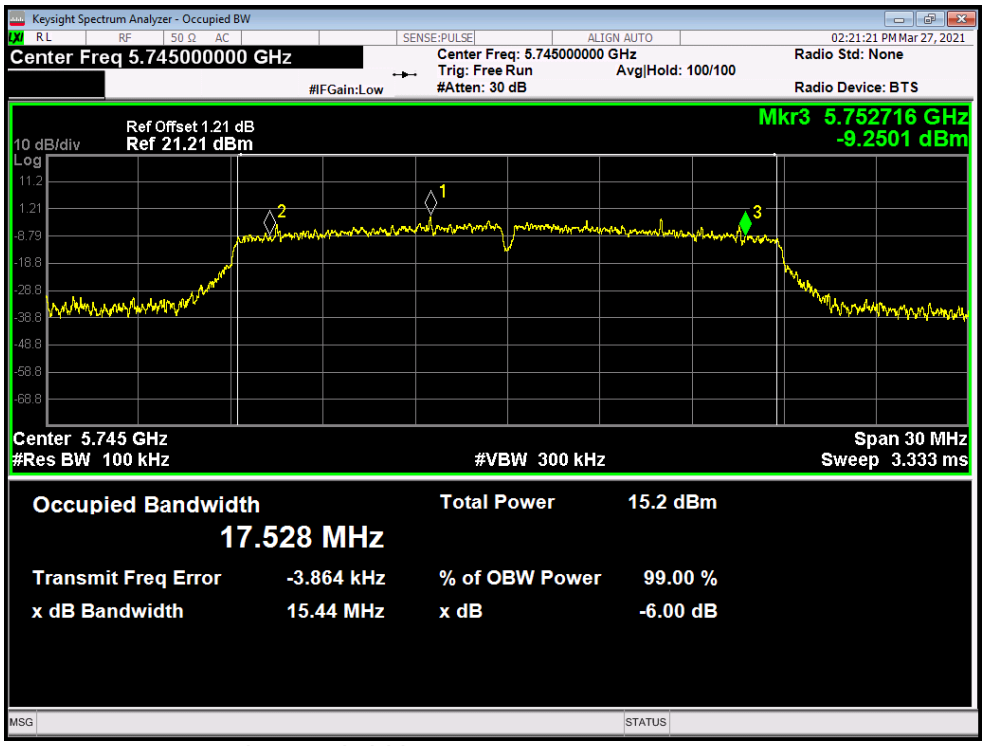
-6dB Bandwidth NVNT a 5785MHz Ant1



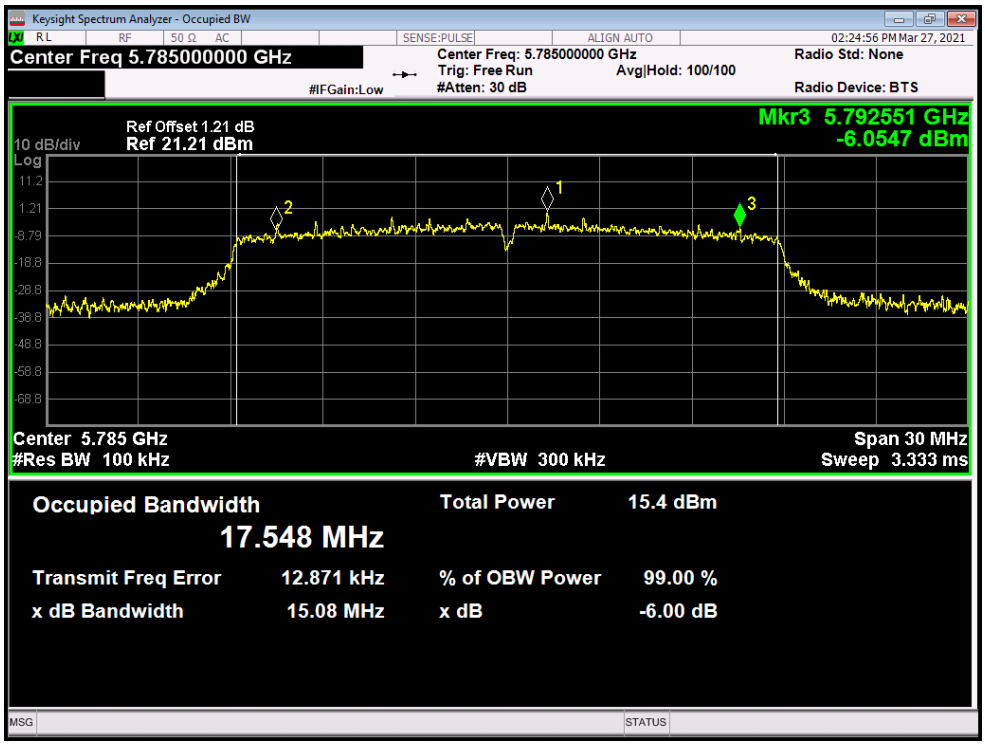
-6dB Bandwidth NVNT a 5825MHz Ant1



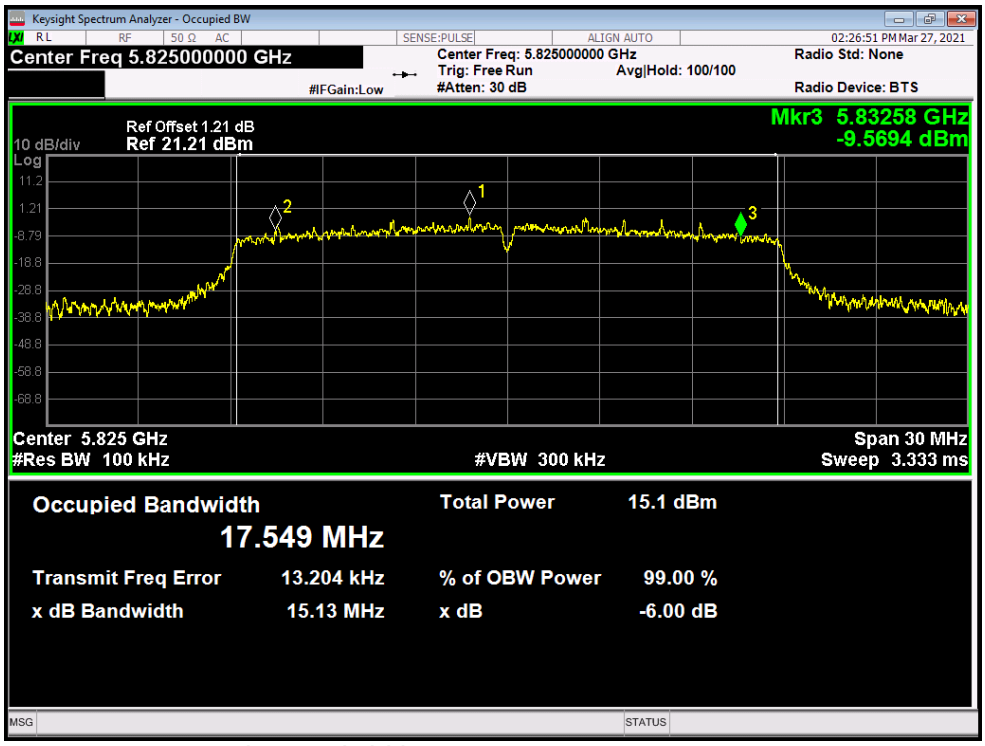
-6dB Bandwidth NVNT ac20 5745MHz Ant1



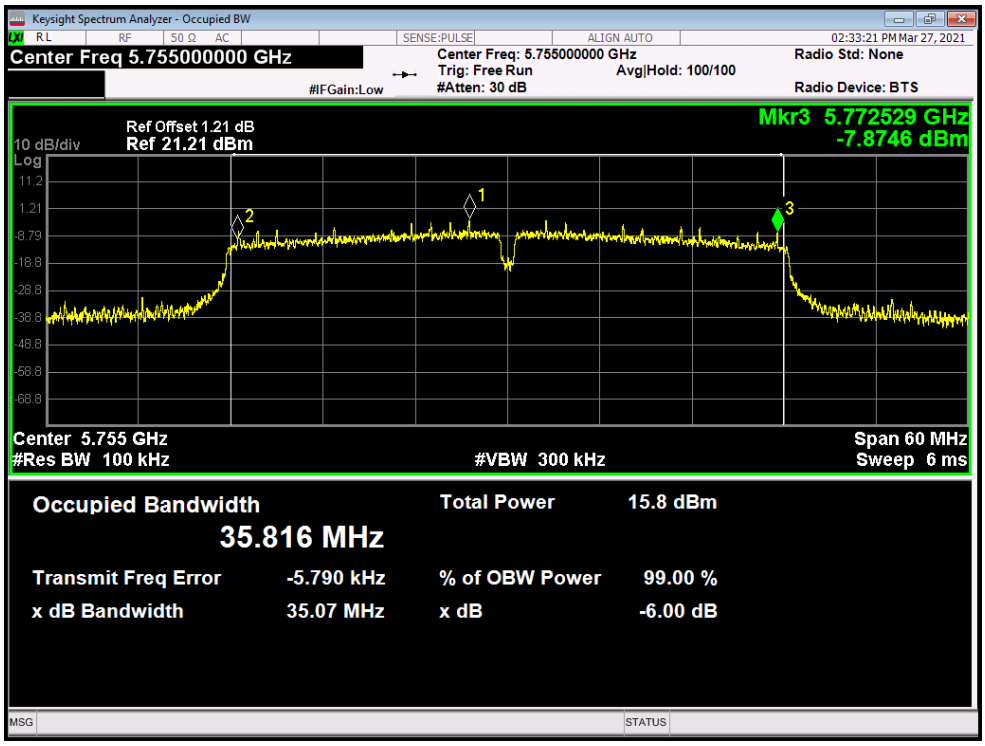
-6dB Bandwidth NVNT ac20 5785MHz Ant1



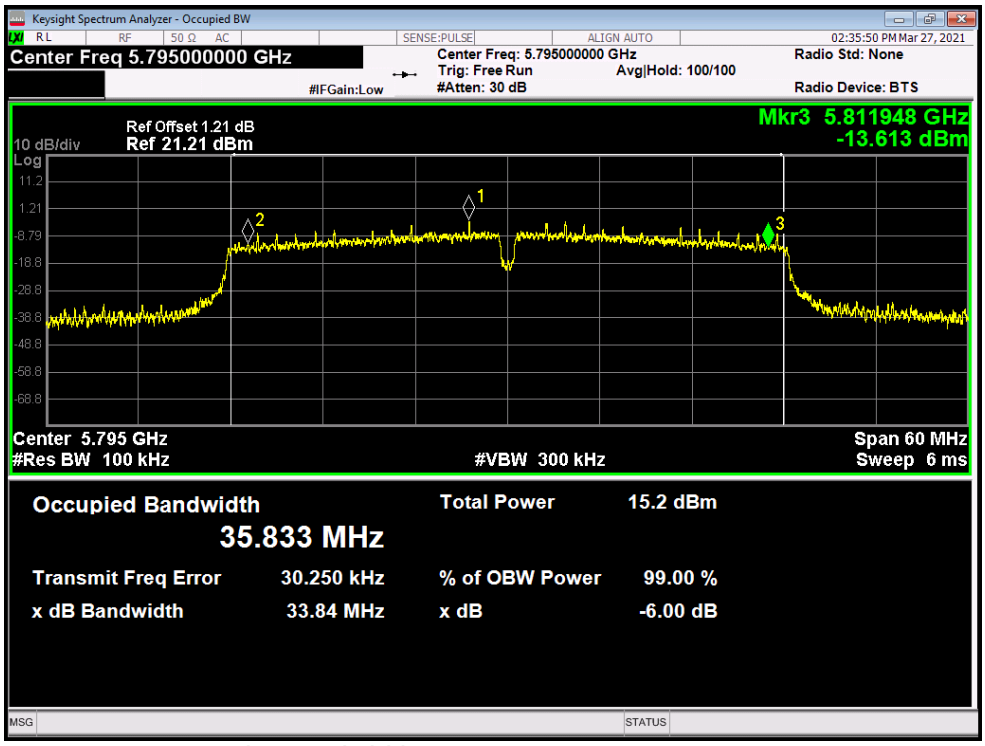
-6dB Bandwidth NVNT ac20 5825MHz Ant1



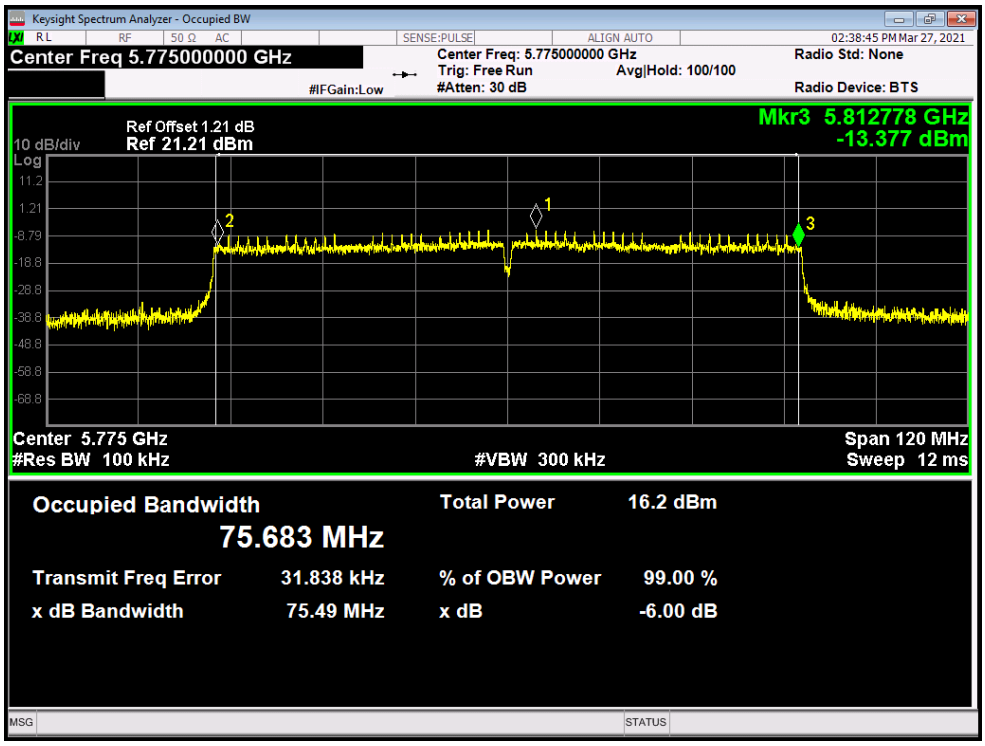
-6dB Bandwidth NVNT ac40 5755MHz Ant1



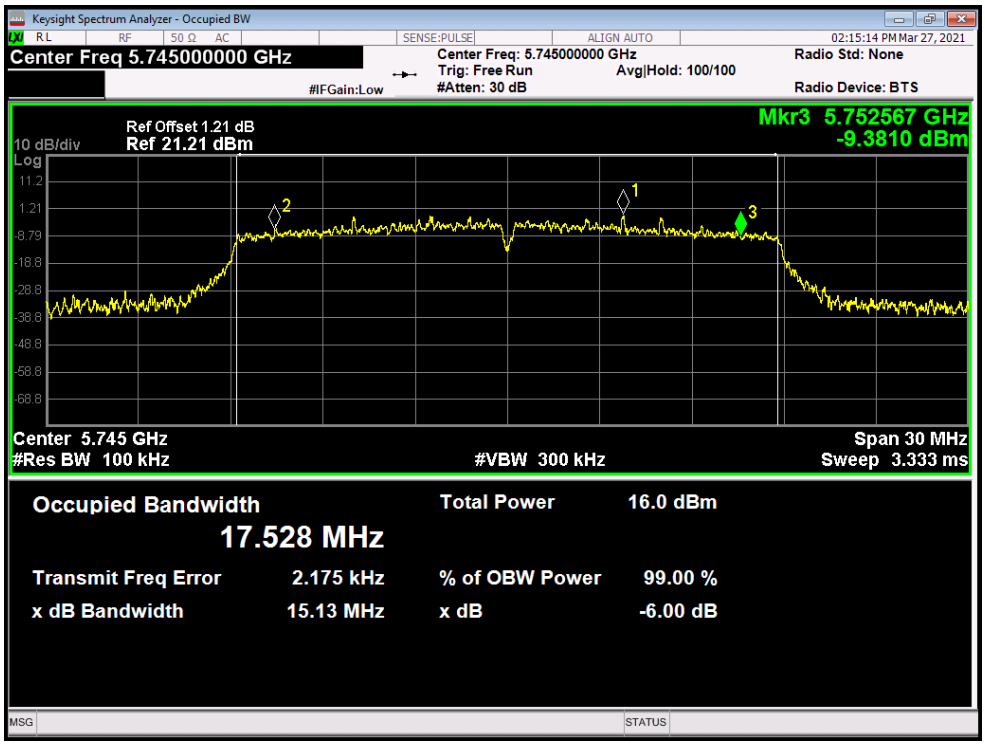
-6dB Bandwidth NVNT ac40 5795MHz Ant1



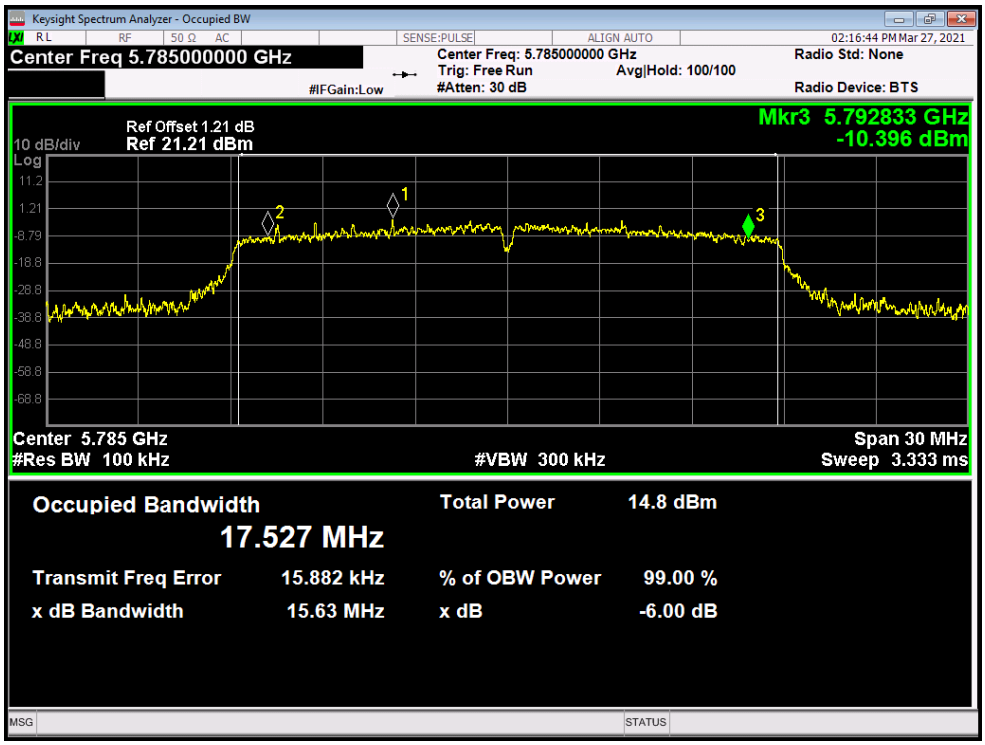
-6dB Bandwidth NVNT ac80 5775MHz Ant1



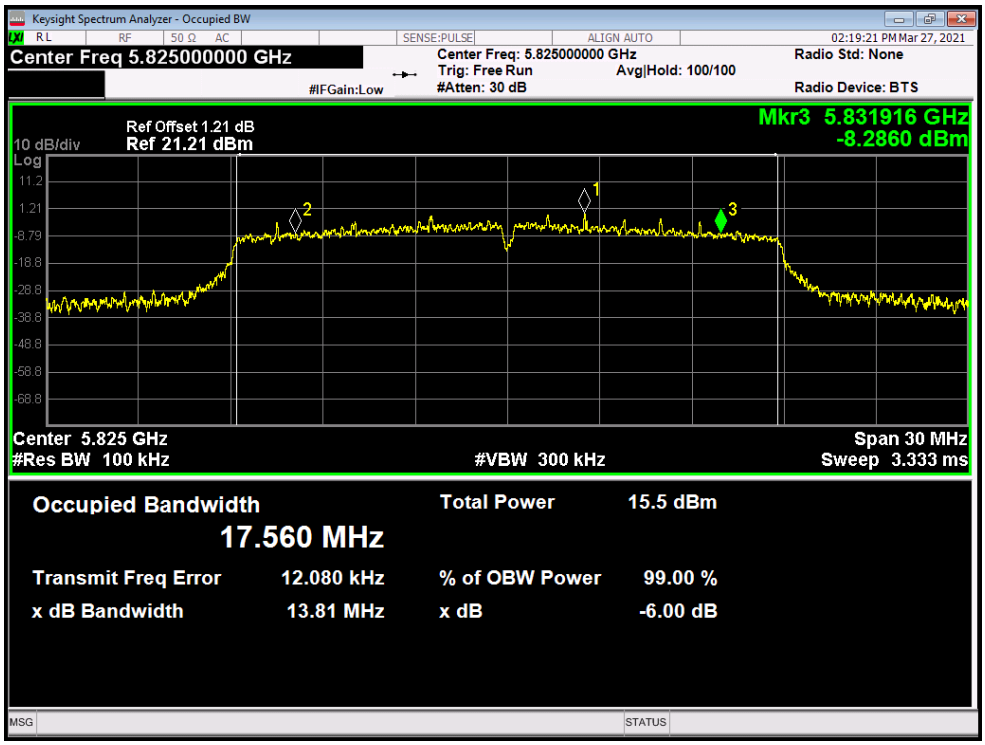
-6dB Bandwidth NVNT n20 5745MHz Ant1



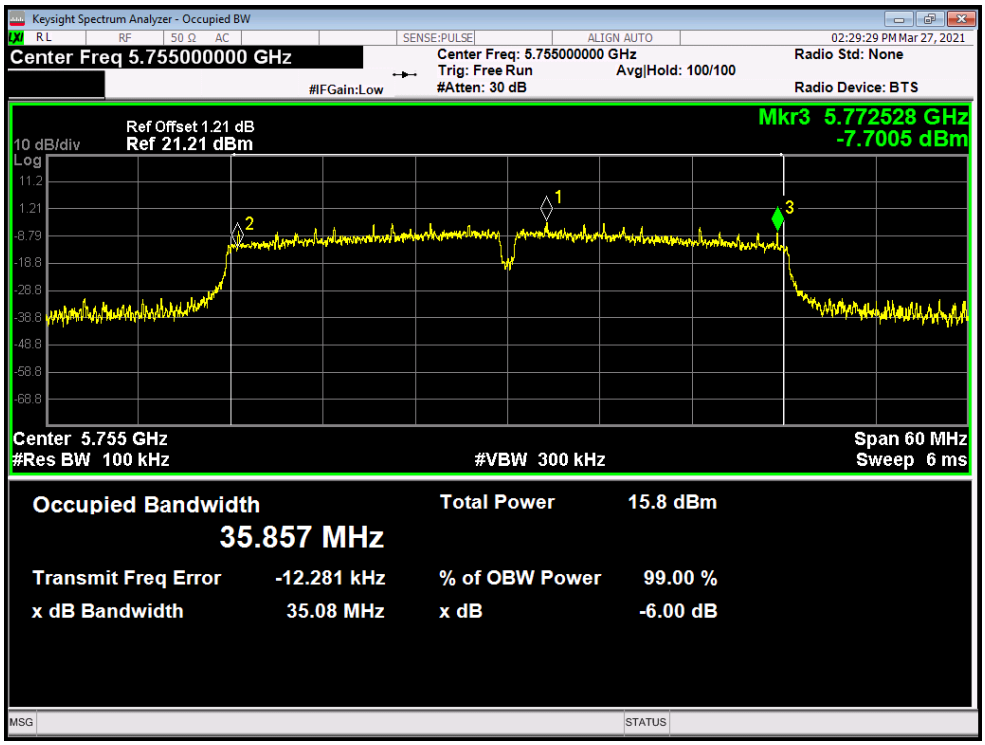
-6dB Bandwidth NVNT n20 5785MHz Ant1



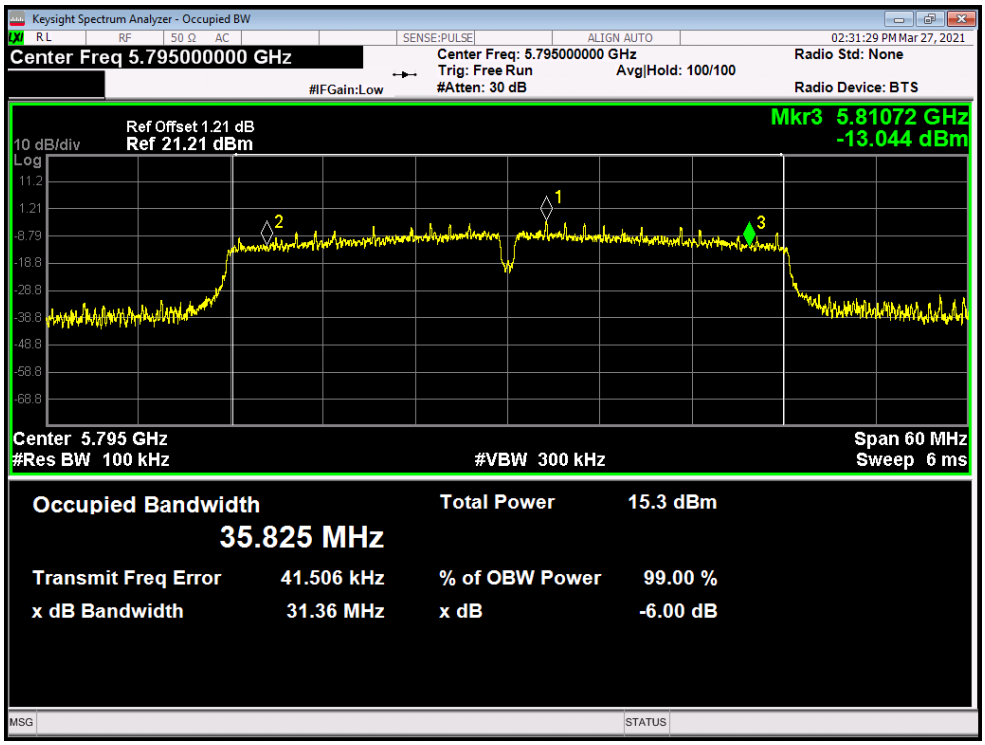
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



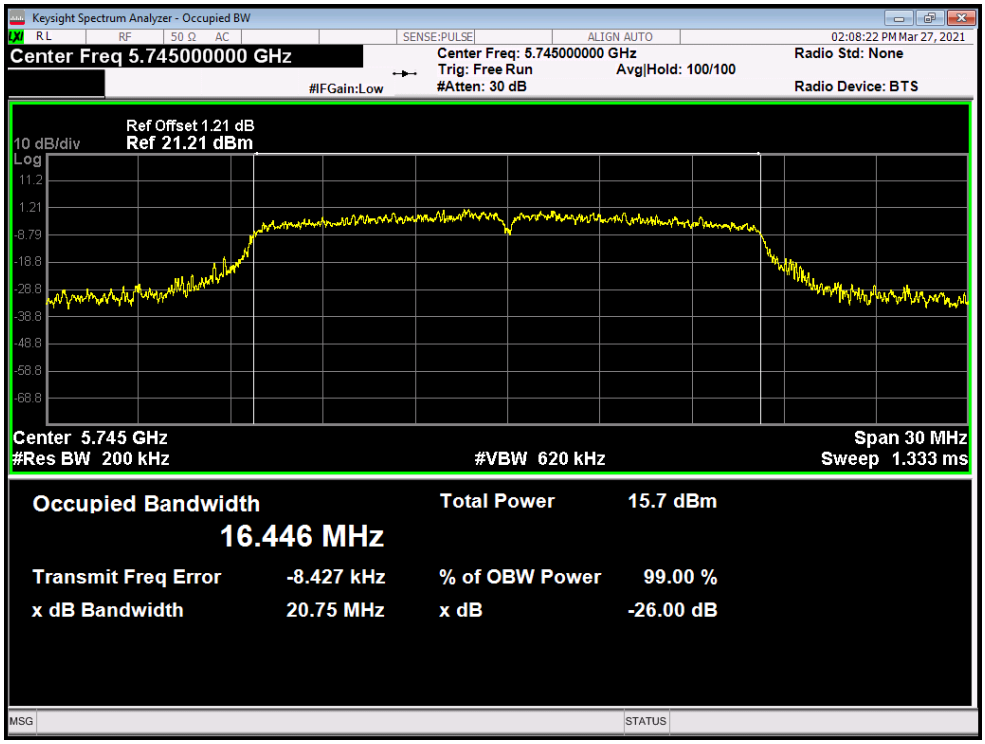
-6dB Bandwidth NVNT n40 5795MHz Ant1



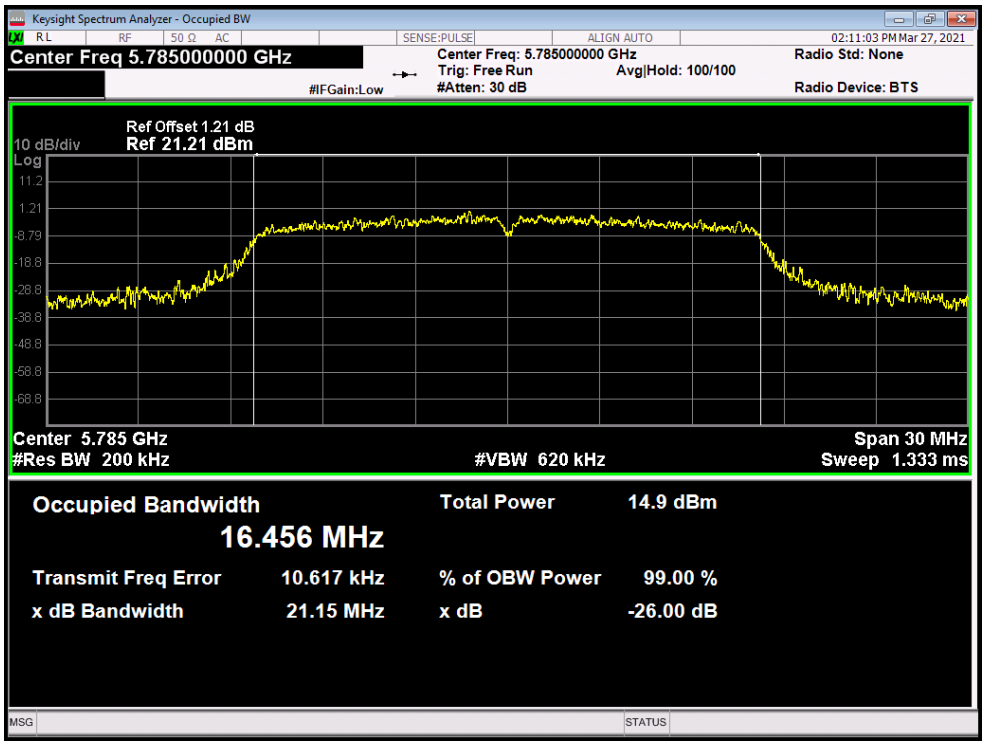
5.4 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.446
NVNT	a	5785	Ant1	16.456
NVNT	a	5825	Ant1	16.554
NVNT	ac20	5745	Ant1	17.551
NVNT	ac20	5785	Ant1	17.57
NVNT	ac20	5825	Ant1	17.585
NVNT	ac40	5755	Ant1	35.993
NVNT	ac40	5795	Ant1	35.991
NVNT	ac80	5775	Ant1	75.807
NVNT	n20	5745	Ant1	17.562
NVNT	n20	5785	Ant1	17.56
NVNT	n20	5825	Ant1	17.618
NVNT	n40	5755	Ant1	36.012
NVNT	n40	5795	Ant1	35.992

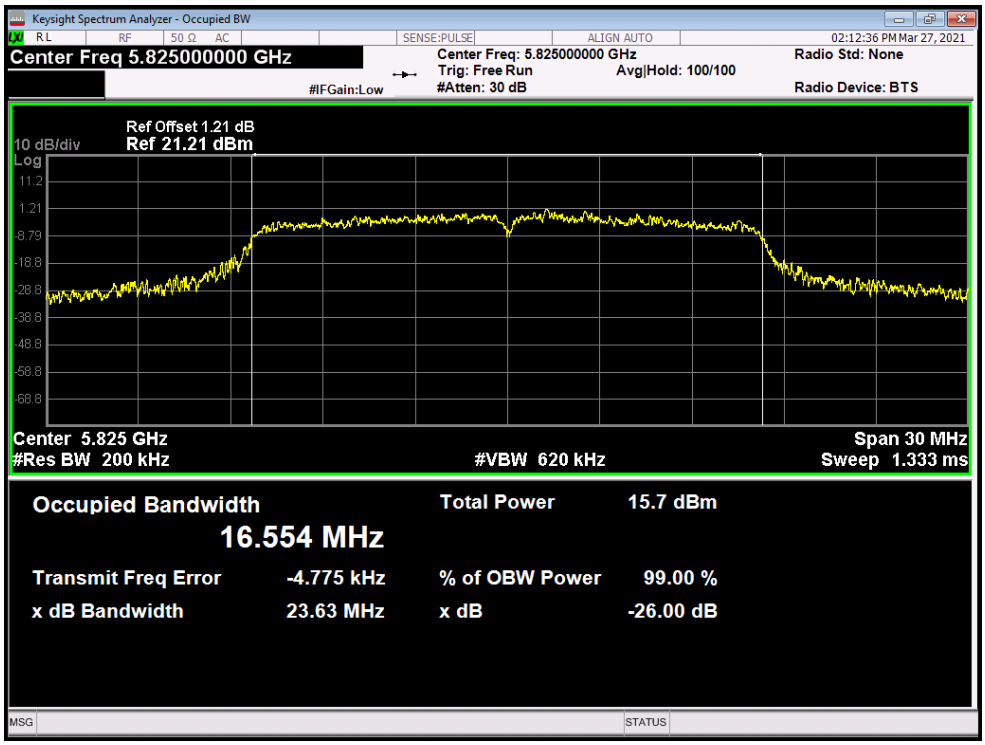
OBW NVNT a 5745MHz Ant1



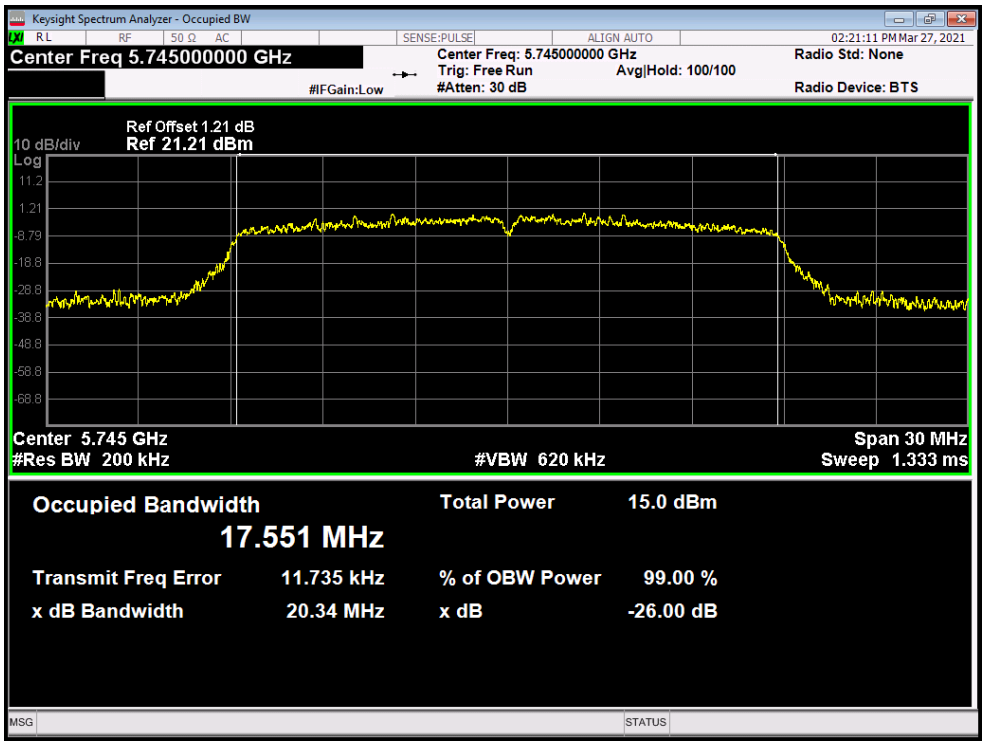
OBW NVNT a 5785MHz Ant1



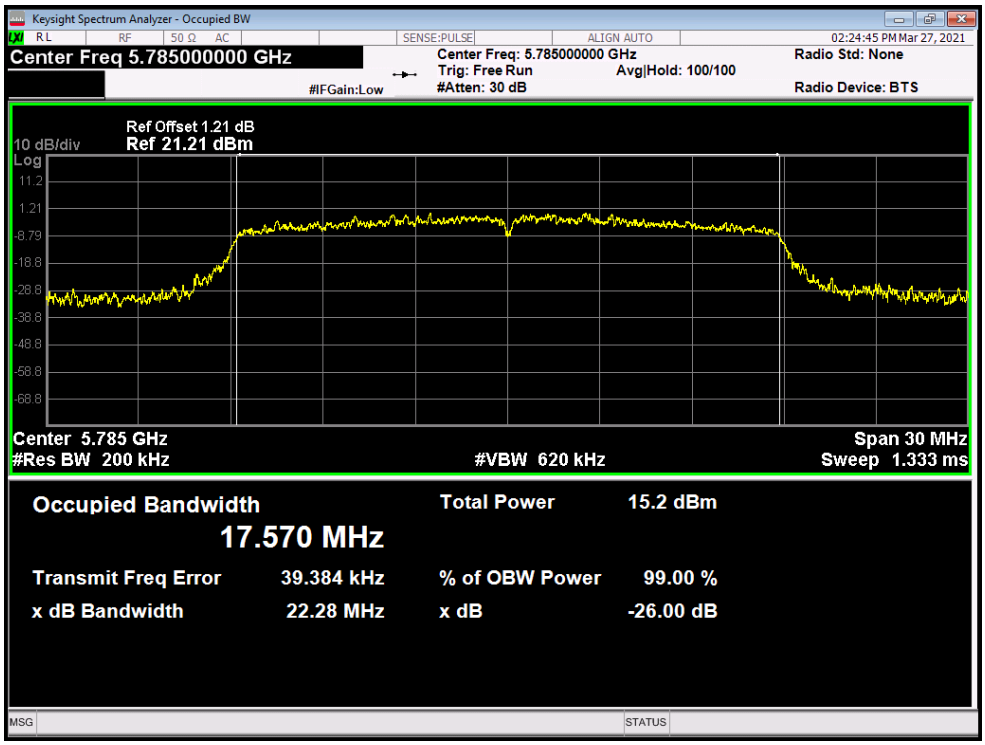
OBW NVNT a 5825MHz Ant1



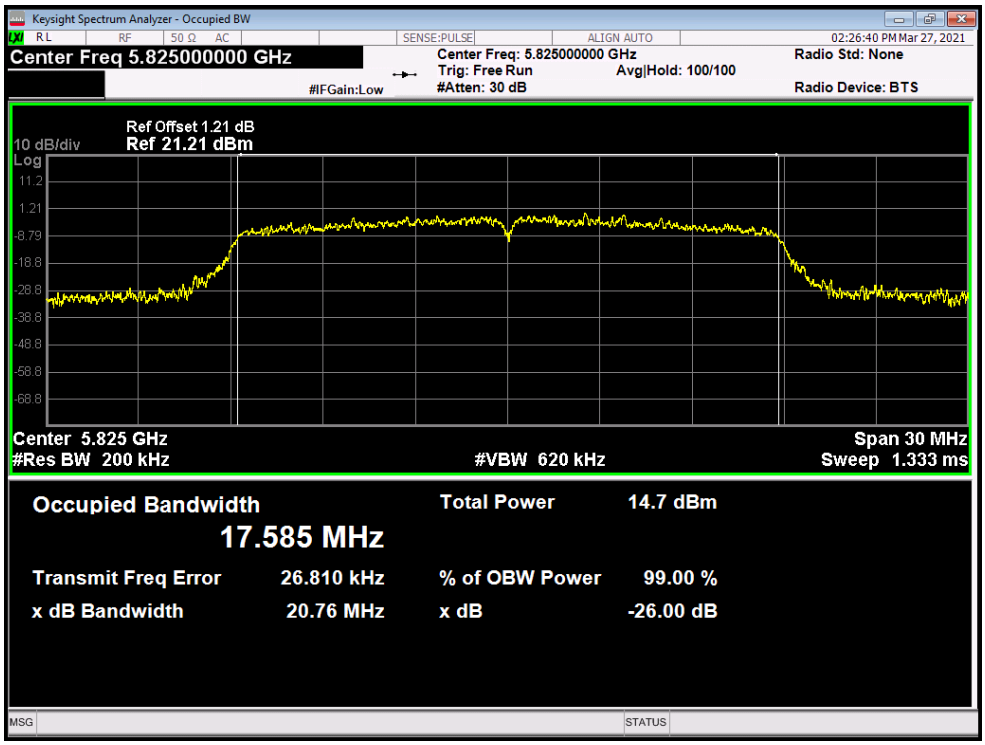
OBW NVNT ac20 5745MHz Ant1



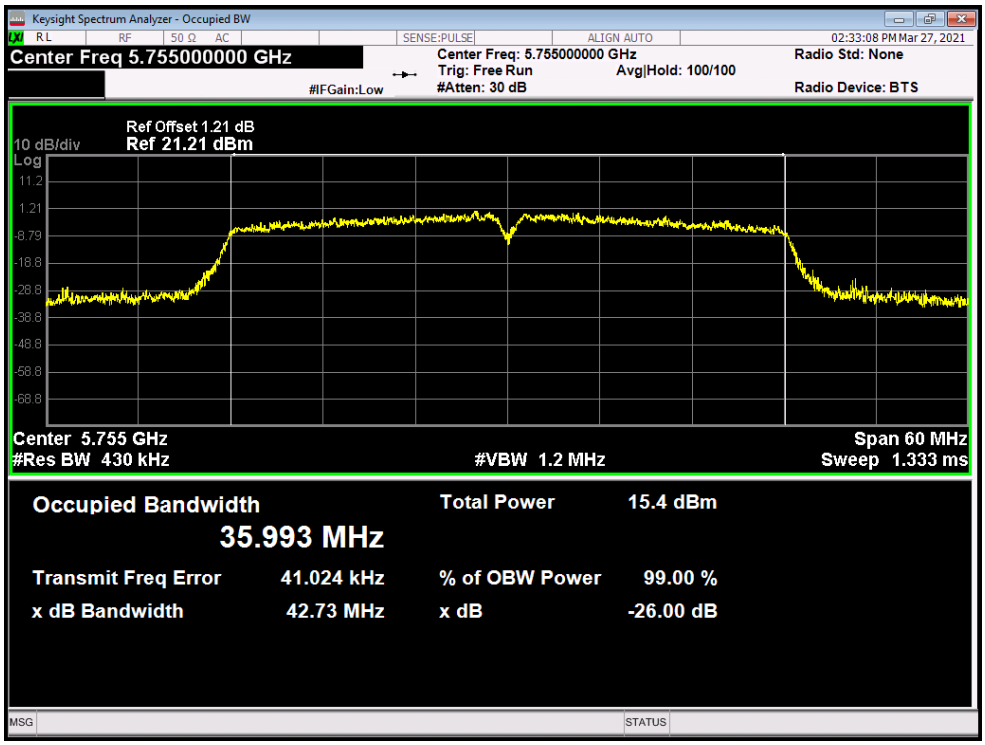
OBW NVNT ac20 5785MHz Ant1



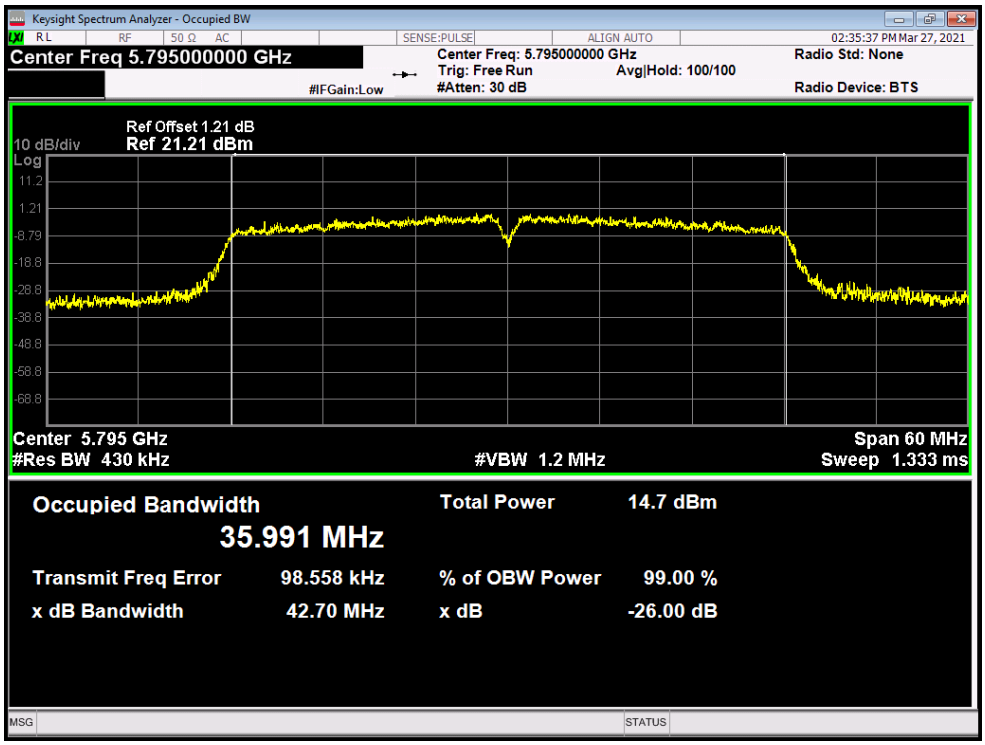
OBW NVNT ac20 5825MHz Ant1



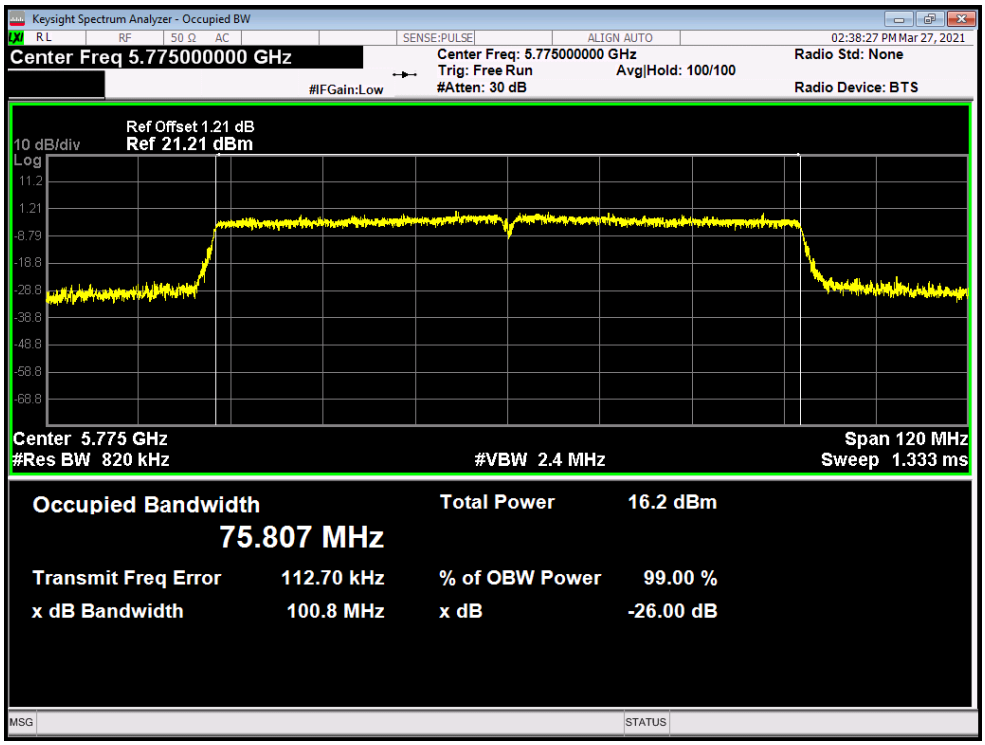
OBW NVNT ac40 5755MHz Ant1



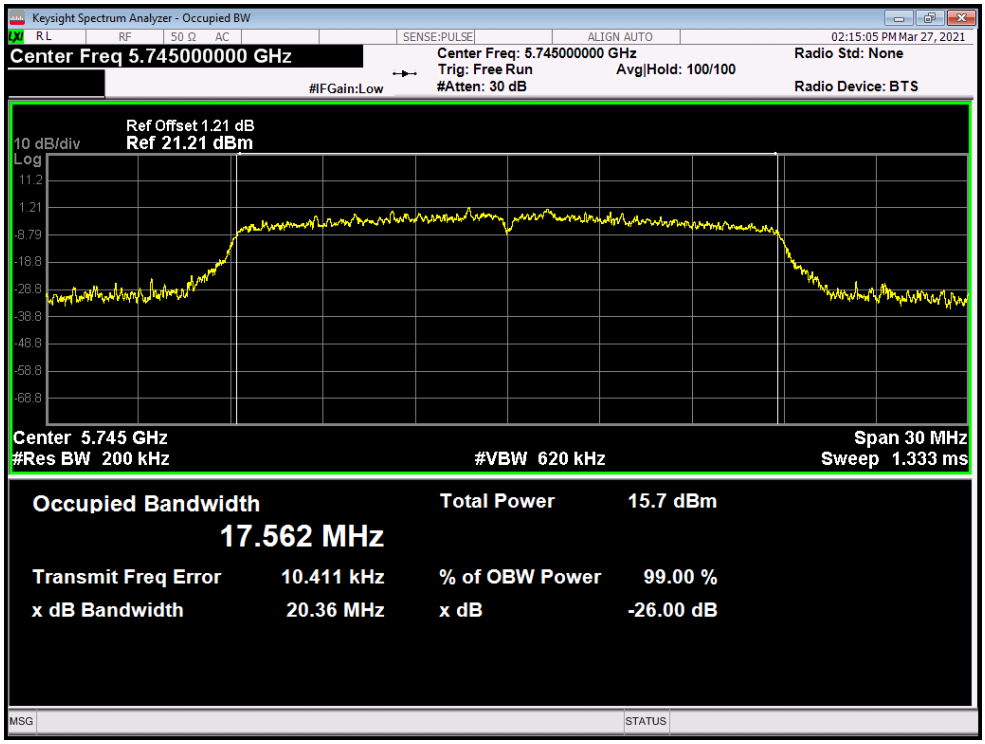
OBW NVNT ac40 5795MHz Ant1



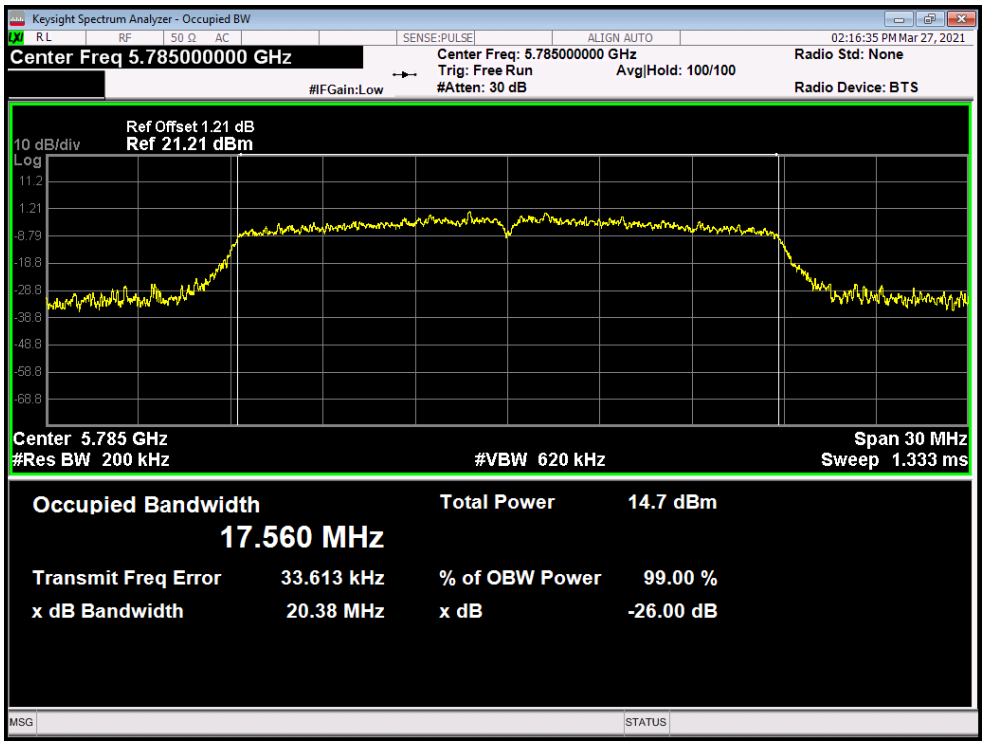
OBW NVNT ac80 5775MHz Ant1



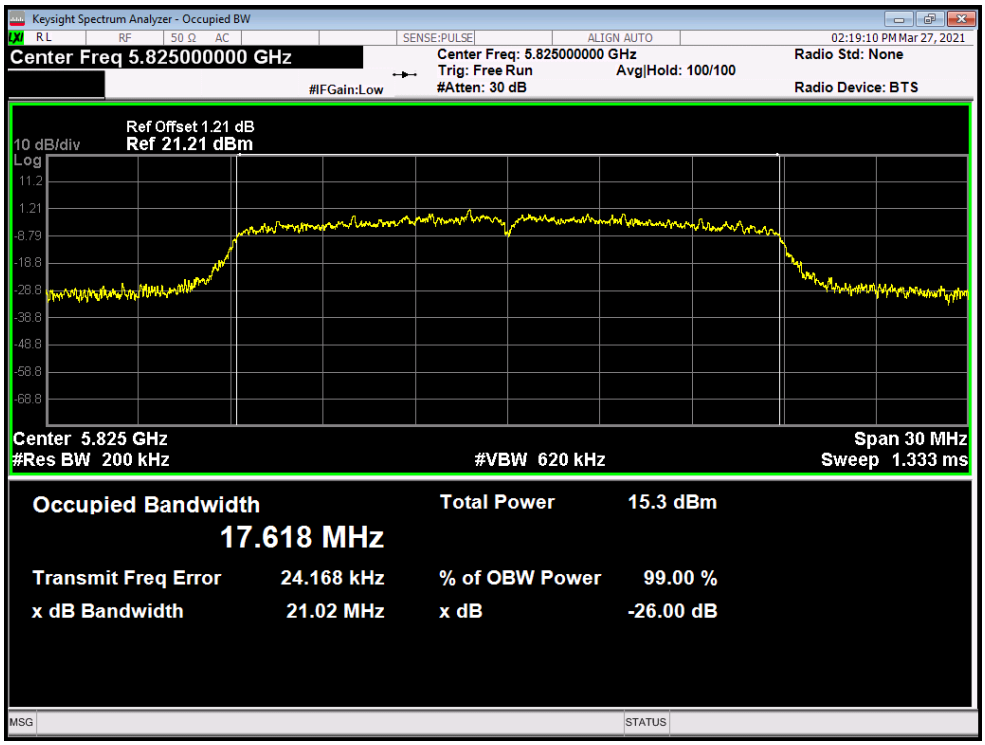
OBW NVNT n20 5745MHz Ant1



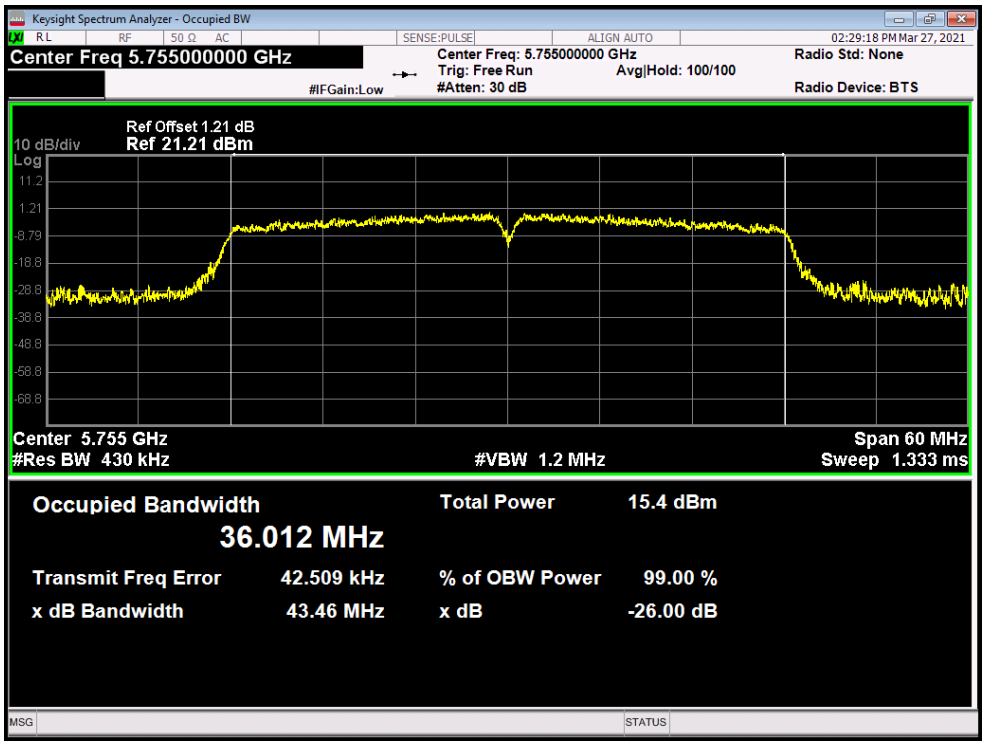
OBW NVNT n20 5785MHz Ant1



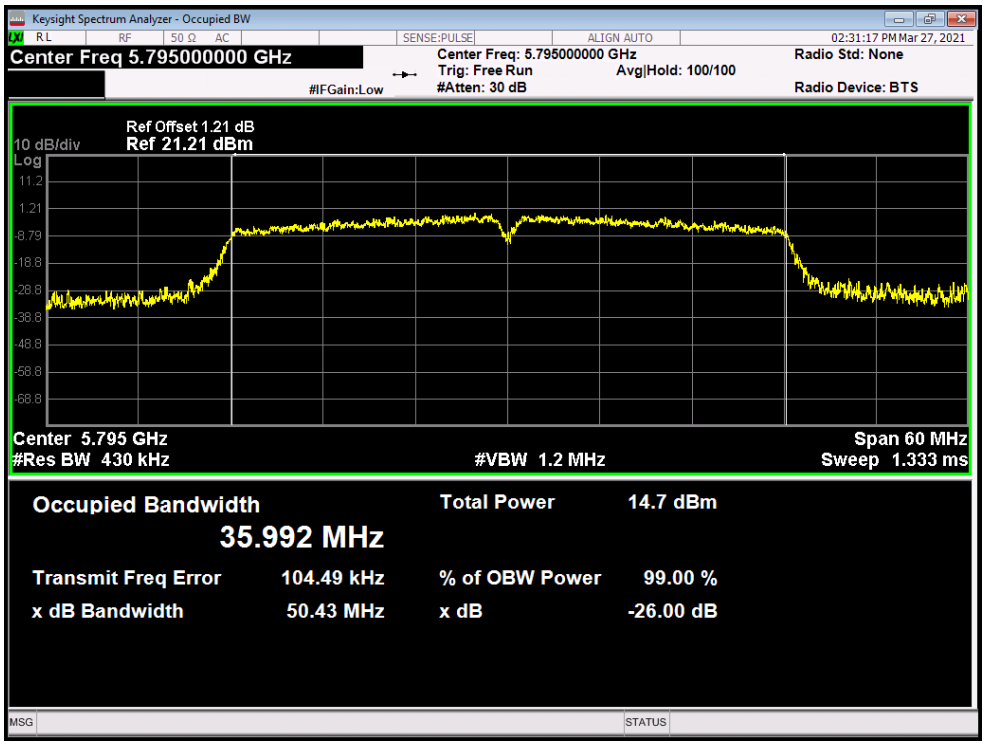
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



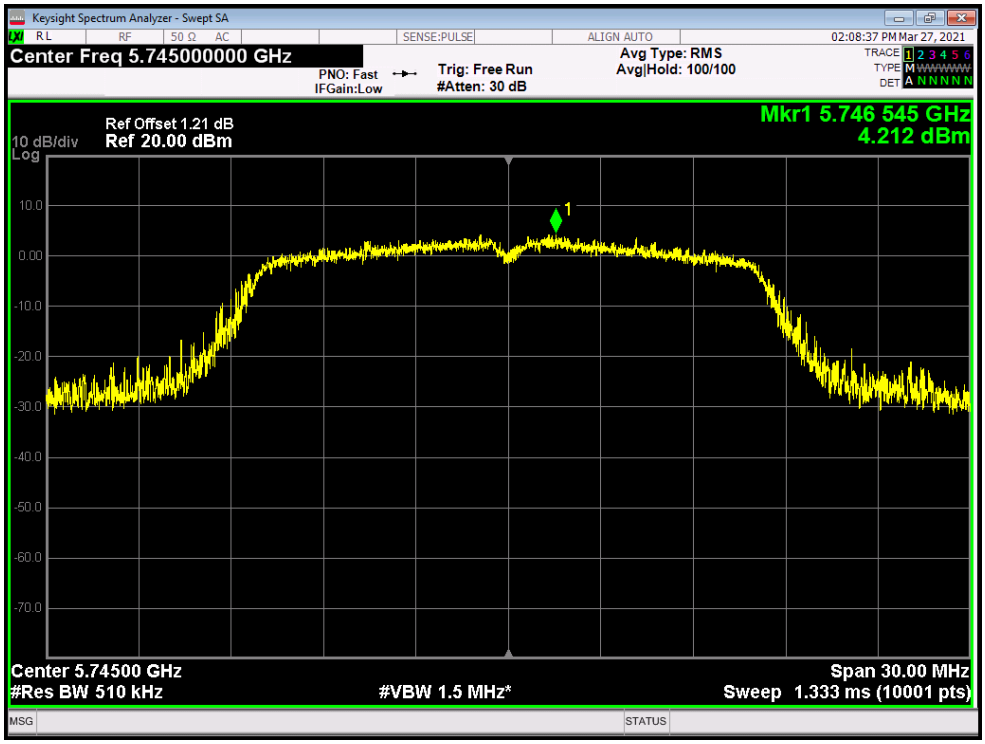
OBW NVNT n40 5795MHz Ant1



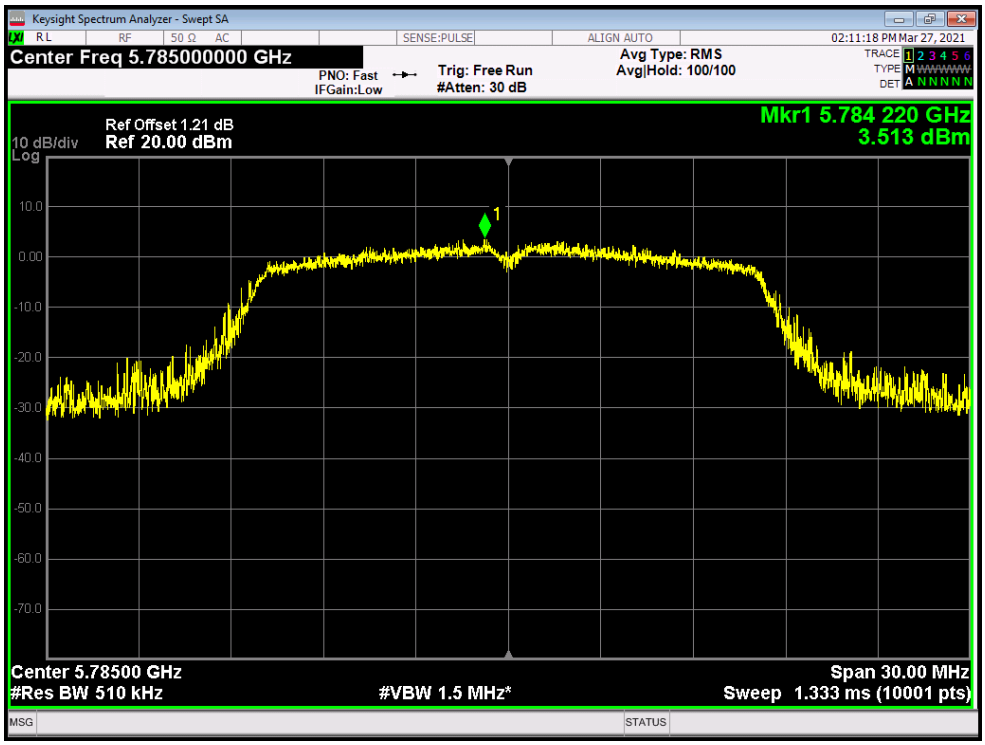
5.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	4.212	30	Pass
NVNT	a	5785	Ant1	3.513	30	Pass
NVNT	a	5825	Ant1	4.036	30	Pass
NVNT	ac20	5745	Ant1	3.658	30	Pass
NVNT	ac20	5785	Ant1	3.559	30	Pass
NVNT	ac20	5825	Ant1	3.329	30	Pass
NVNT	ac40	5755	Ant1	1.236	30	Pass
NVNT	ac40	5795	Ant1	0.543	30	Pass
NVNT	ac80	5775	Ant1	-9.694	30	Pass
NVNT	n20	5745	Ant1	4.774	30	Pass
NVNT	n20	5785	Ant1	3.545	30	Pass
NVNT	n20	5825	Ant1	4.139	30	Pass
NVNT	n40	5755	Ant1	1.022	30	Pass
NVNT	n40	5795	Ant1	0.198	30	Pass

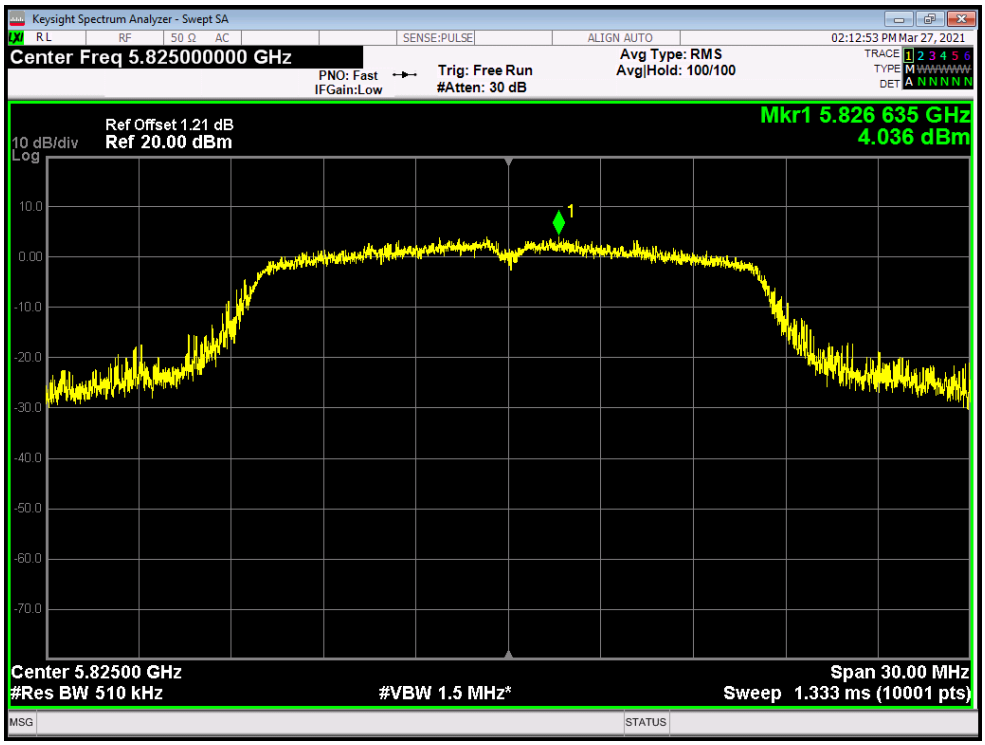
PSD NVNT a 5745MHz Ant1



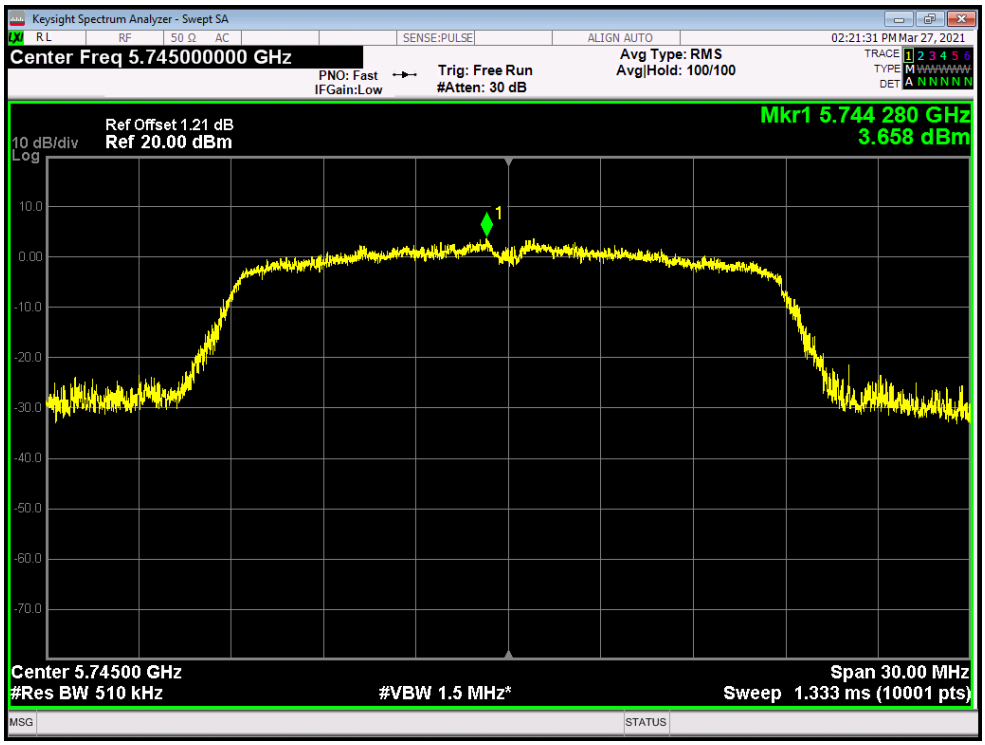
PSD NVNT a 5785MHz Ant1



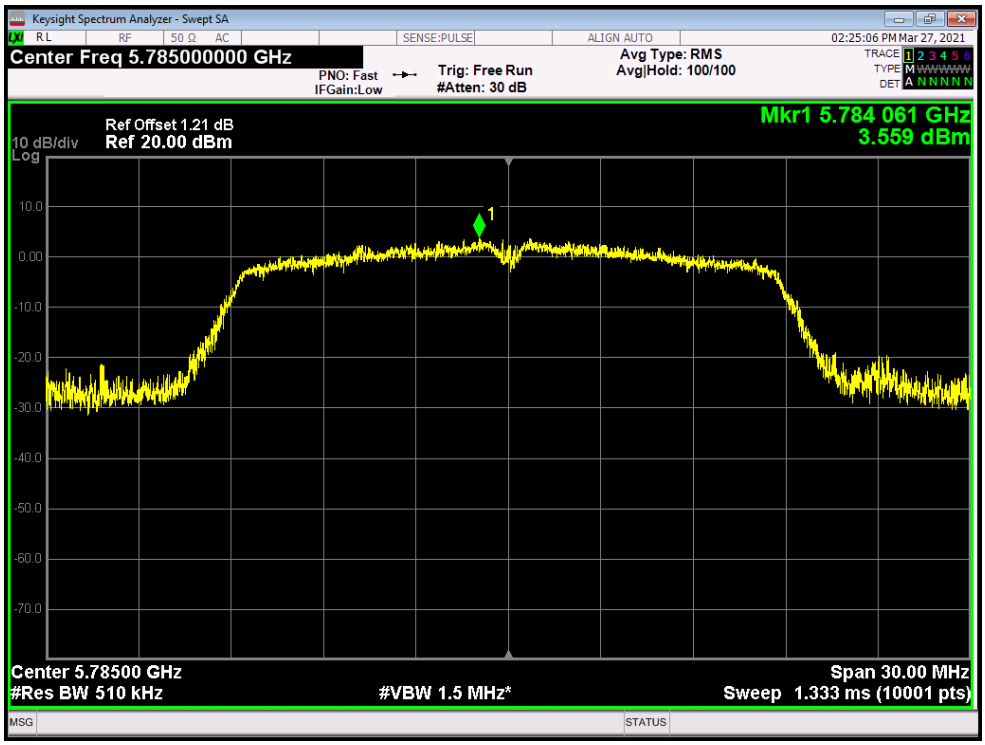
PSD NVNT a 5825MHz Ant1



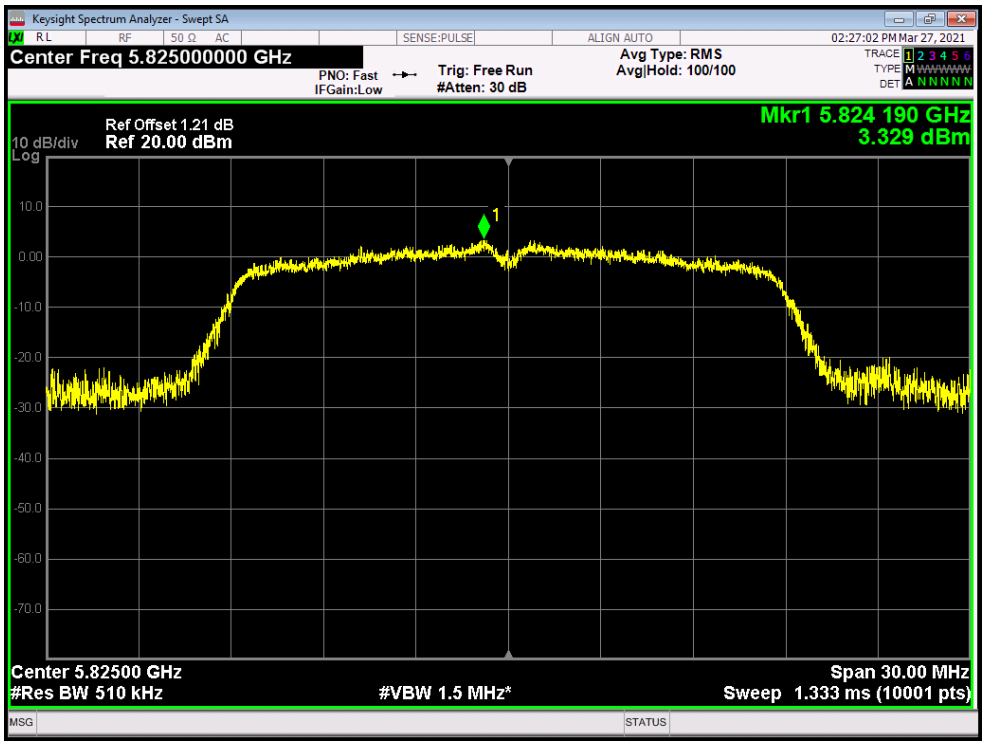
PSD NVNT ac20 5745MHz Ant1



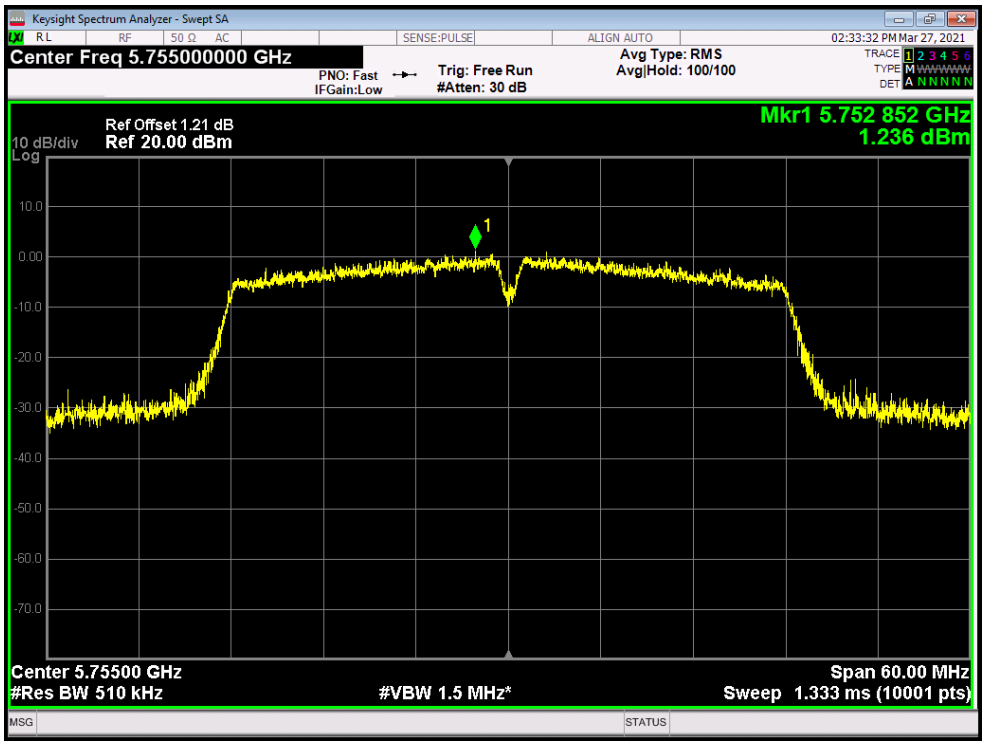
PSD NVNT ac20 5785MHz Ant1



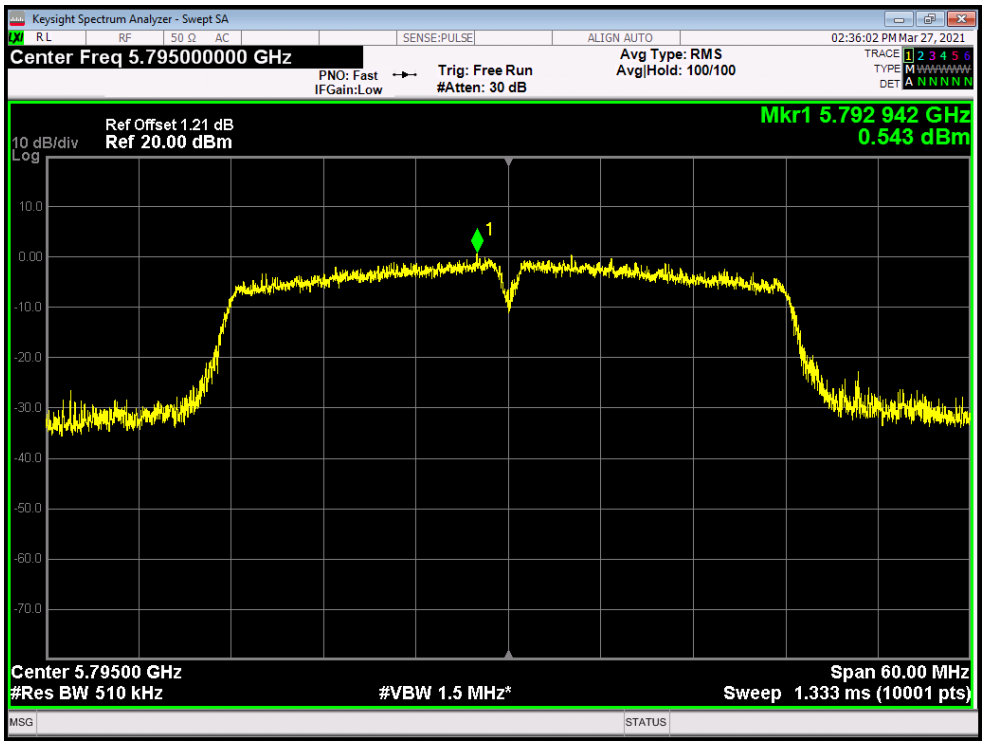
PSD NVNT ac20 5825MHz Ant1



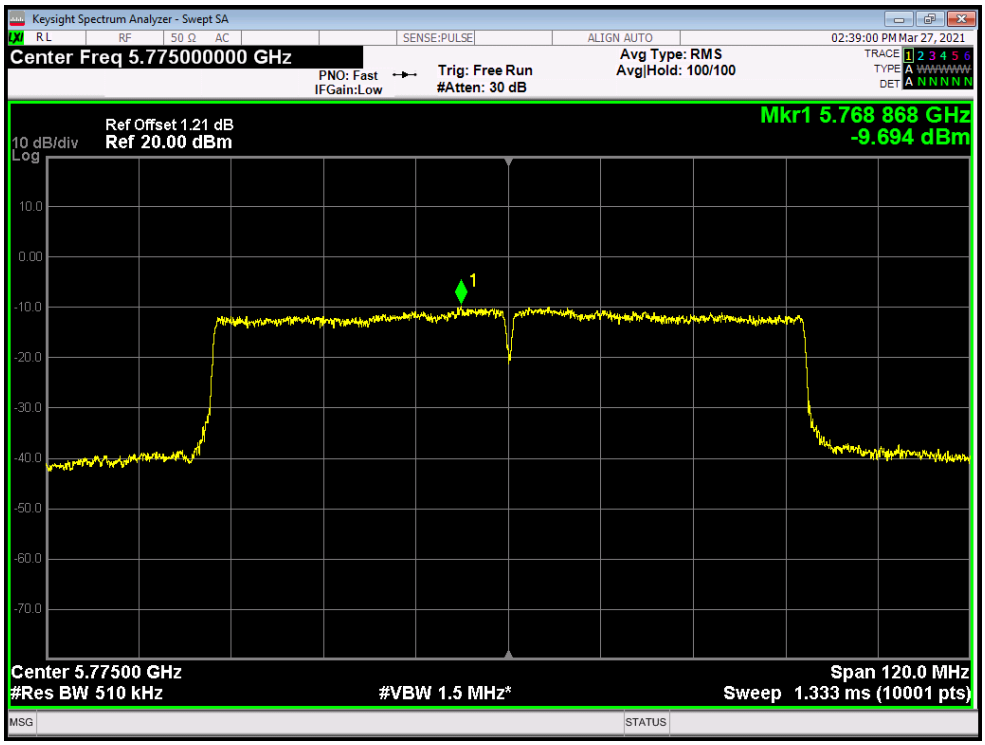
PSD NVNT ac40 5755MHz Ant1



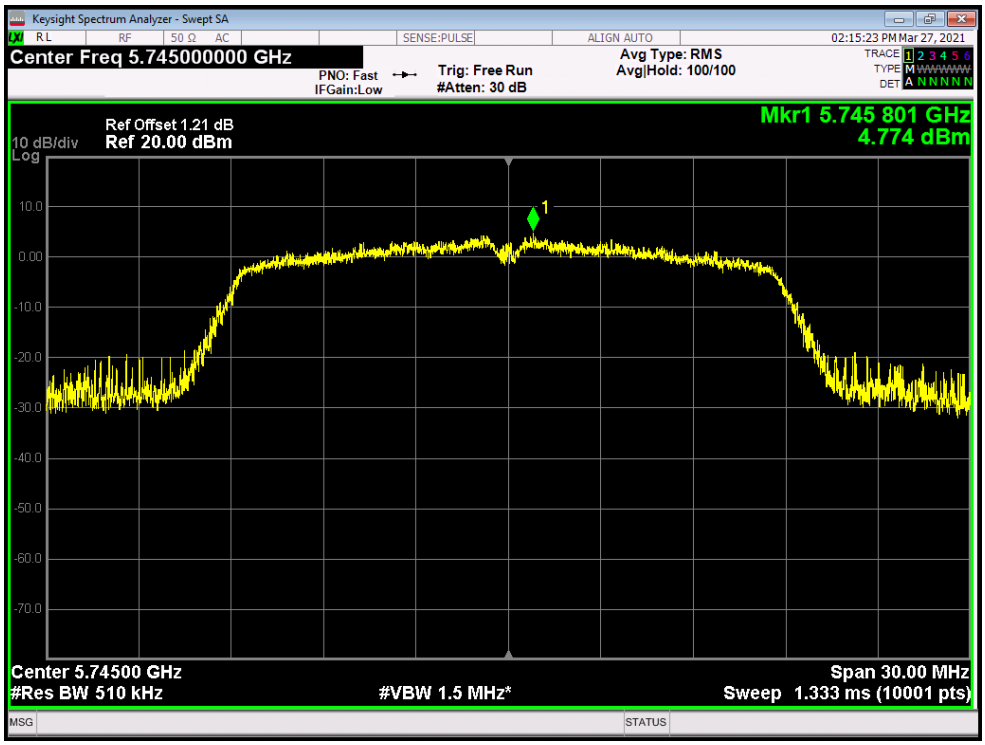
PSD NVNT ac40 5795MHz Ant1



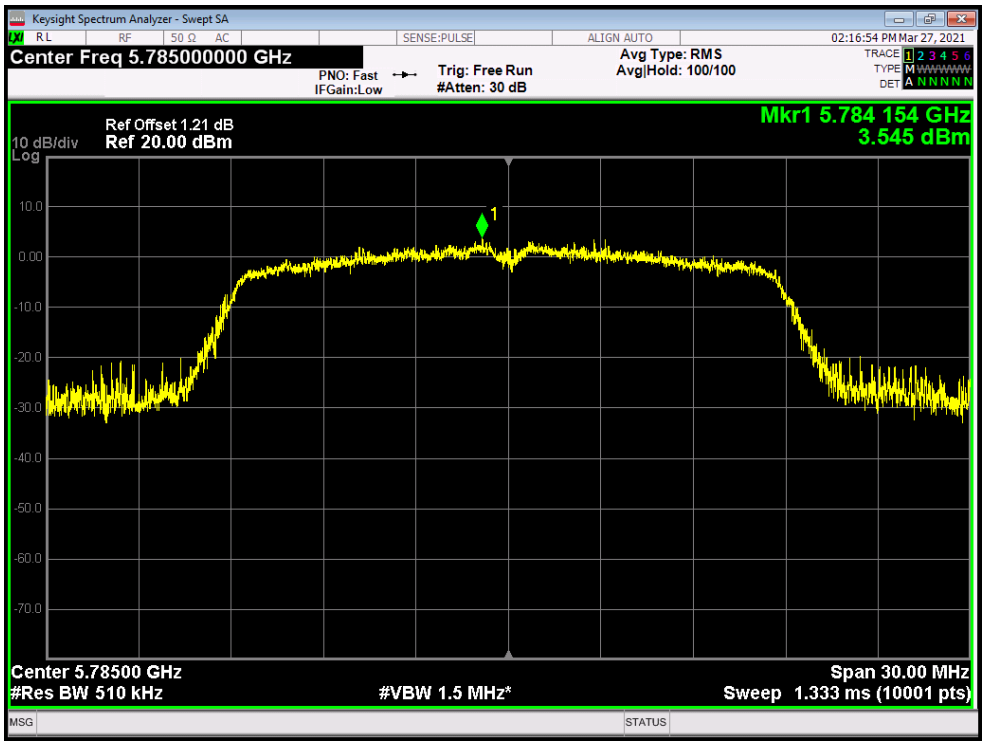
PSD NVNT ac80 5775MHz Ant1



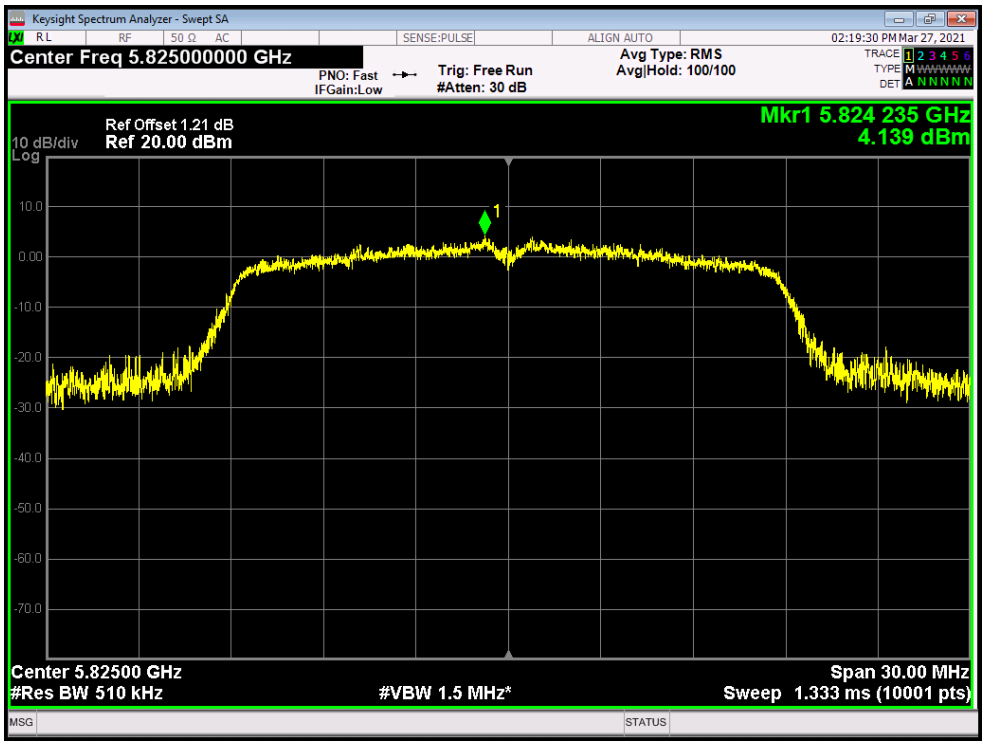
PSD NVNT n20 5745MHz Ant1



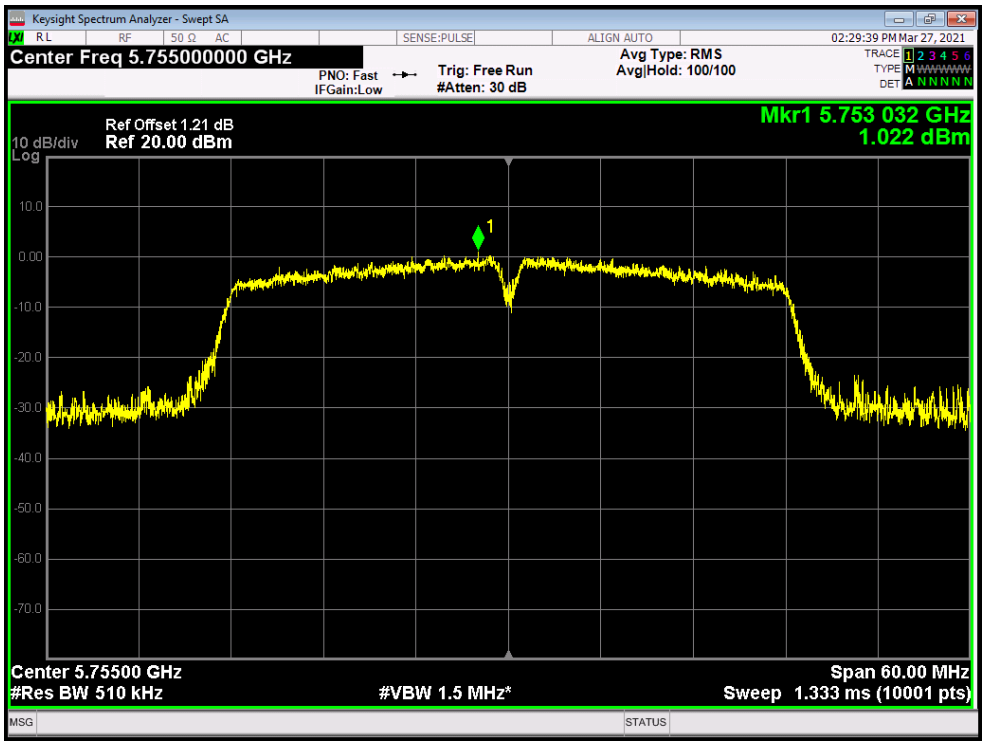
PSD NVNT n20 5785MHz Ant1



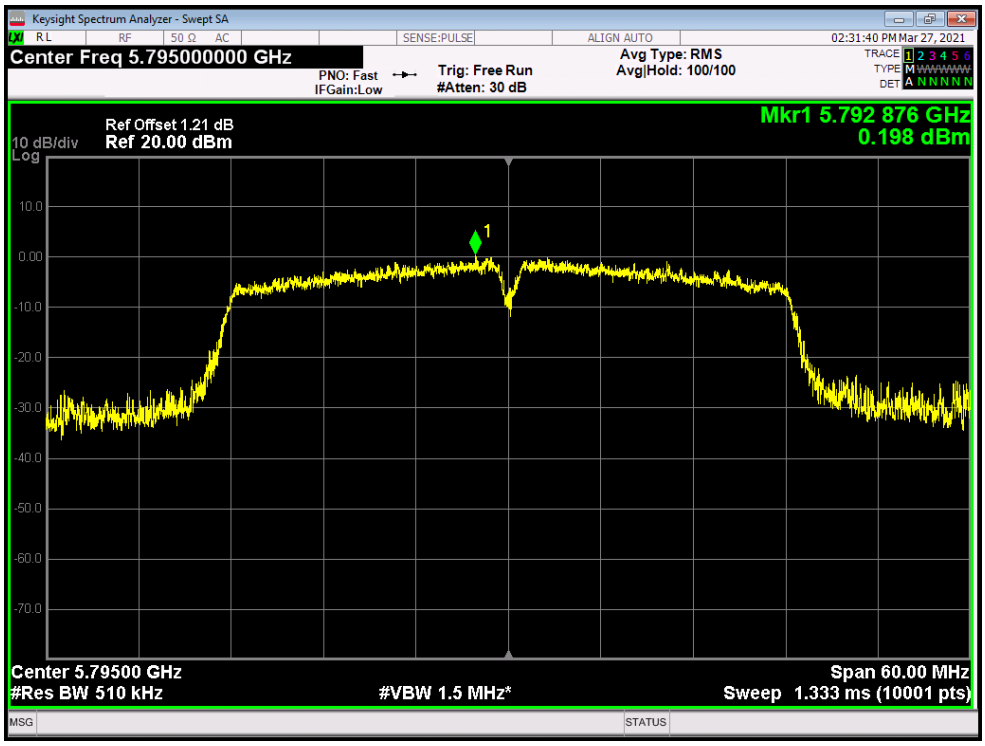
PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



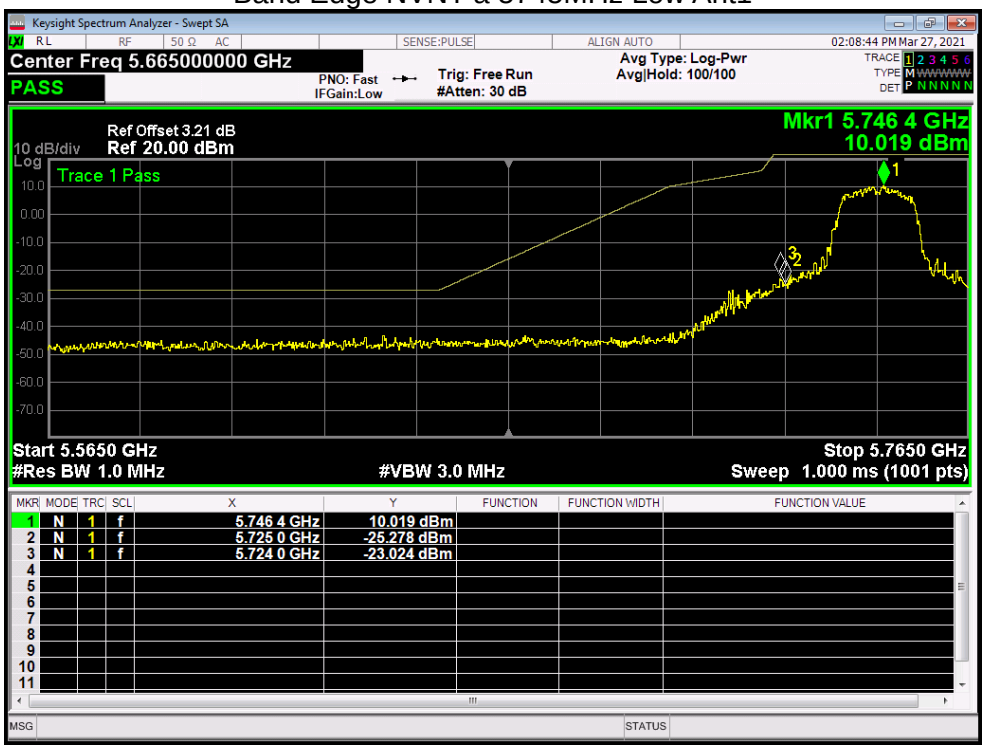
PSD NVNT n40 5795MHz Ant1



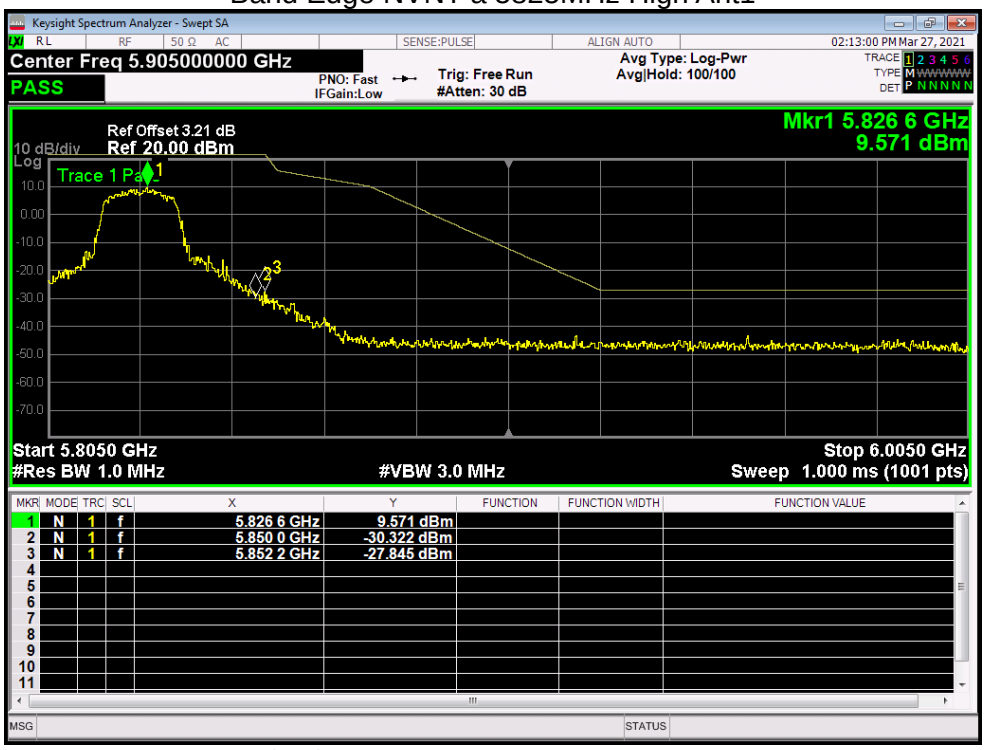
5.6 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-23.02	Pass
NVNT	a	5825	Ant1	-27.84	Pass
NVNT	ac20	5745	Ant1	-24.52	Pass
NVNT	ac20	5825	Ant1	-27.12	Pass
NVNT	ac40	5755	Ant1	-22.62	Pass
NVNT	ac40	5795	Ant1	-33.89	Pass
NVNT	ac80	5775	Ant1	-26.05	Pass
NVNT	n20	5745	Ant1	-22.18	Pass
NVNT	n20	5825	Ant1	-26.63	Pass
NVNT	n40	5755	Ant1	-20.09	Pass
NVNT	n40	5795	Ant1	-29.28	Pass

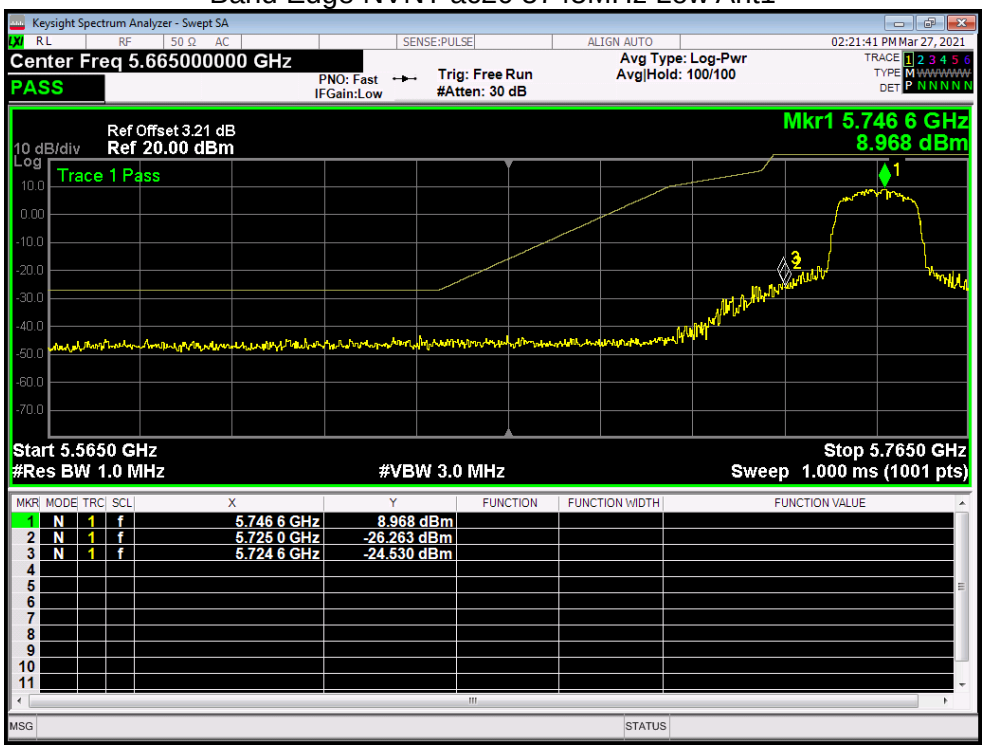
Band Edge NVNT a 5745MHz Low Ant1



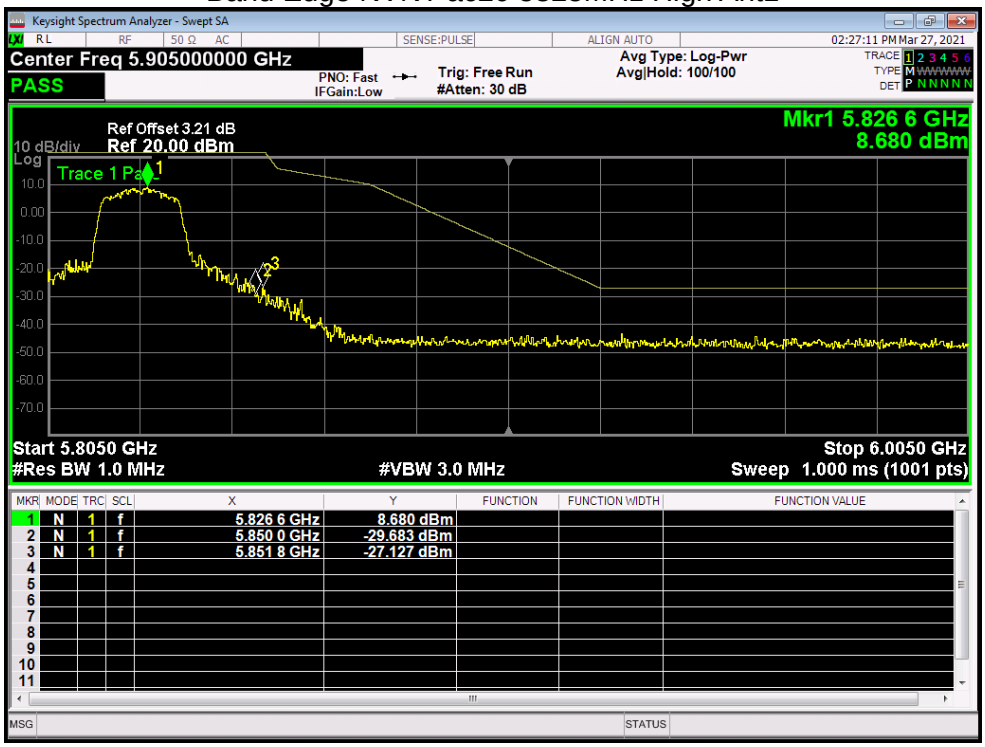
Band Edge NVNT a 5825MHz High Ant1



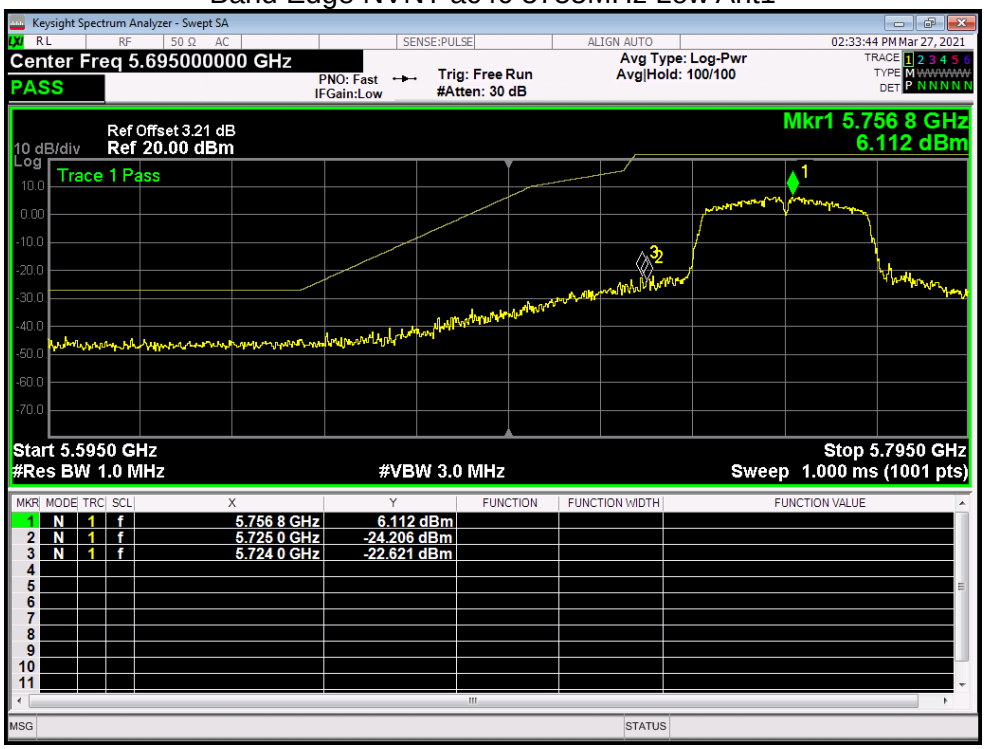
Band Edge NVNT ac20 5745MHz Low Ant1



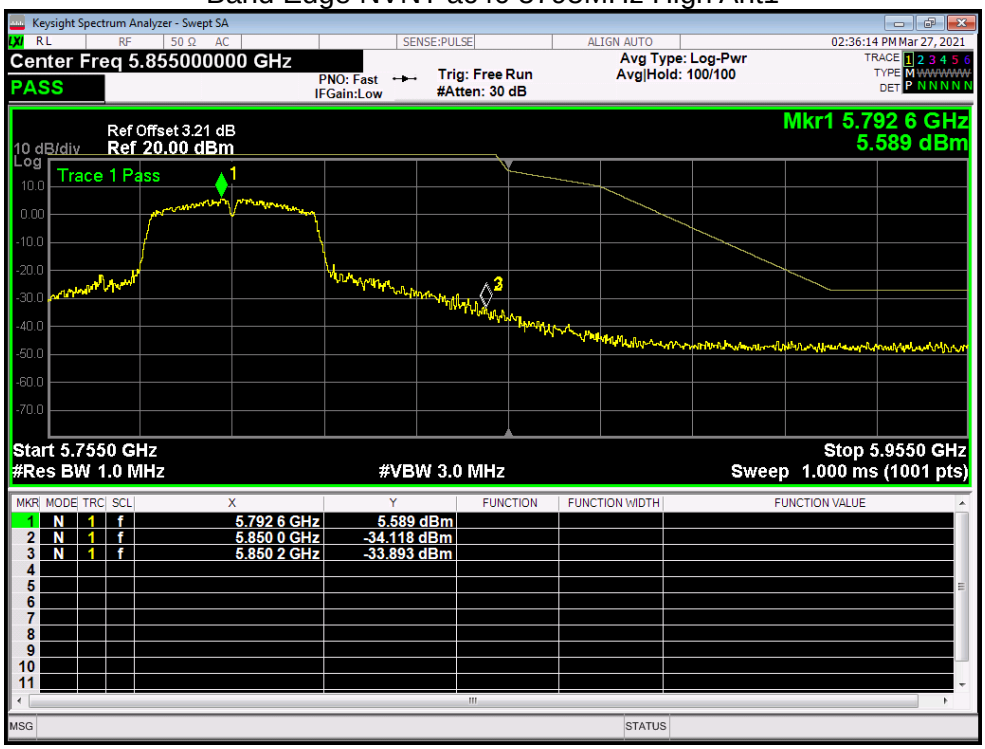
Band Edge NVNT ac20 5825MHz High Ant1



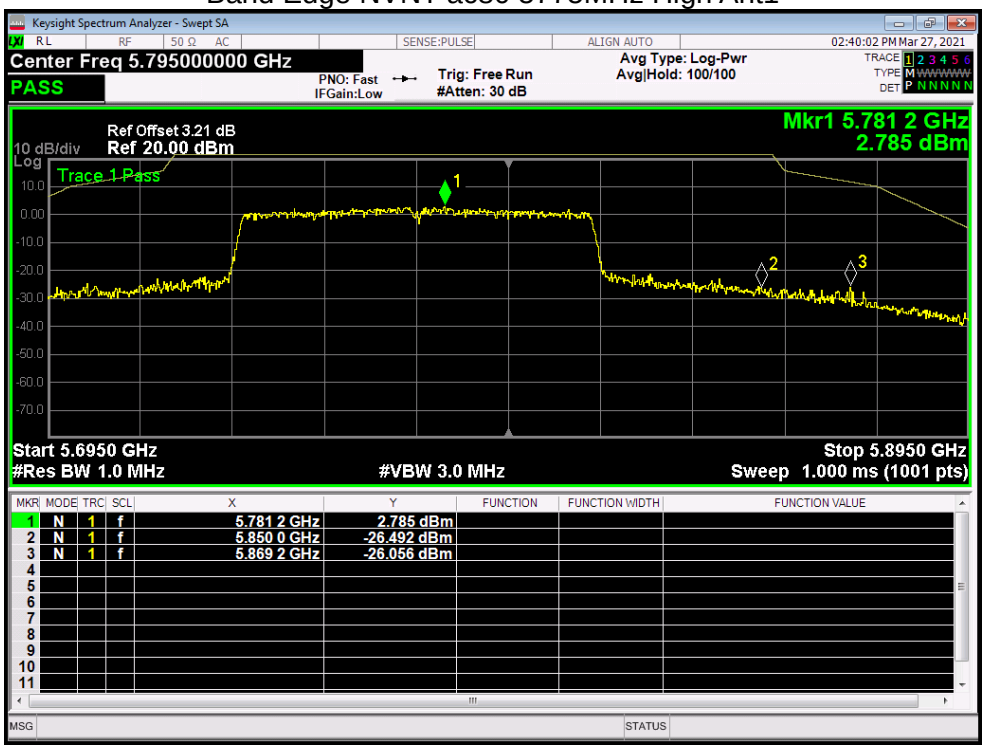
Band Edge NVNT ac40 5755MHz Low Ant1



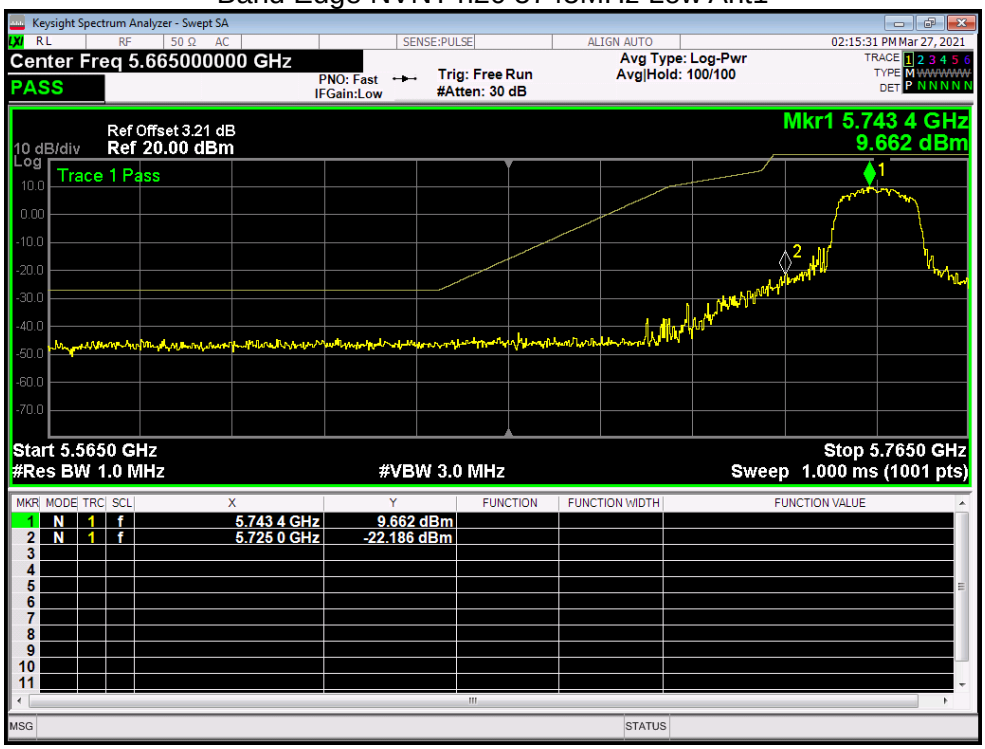
Band Edge NVNT ac40 5795MHz High Ant1



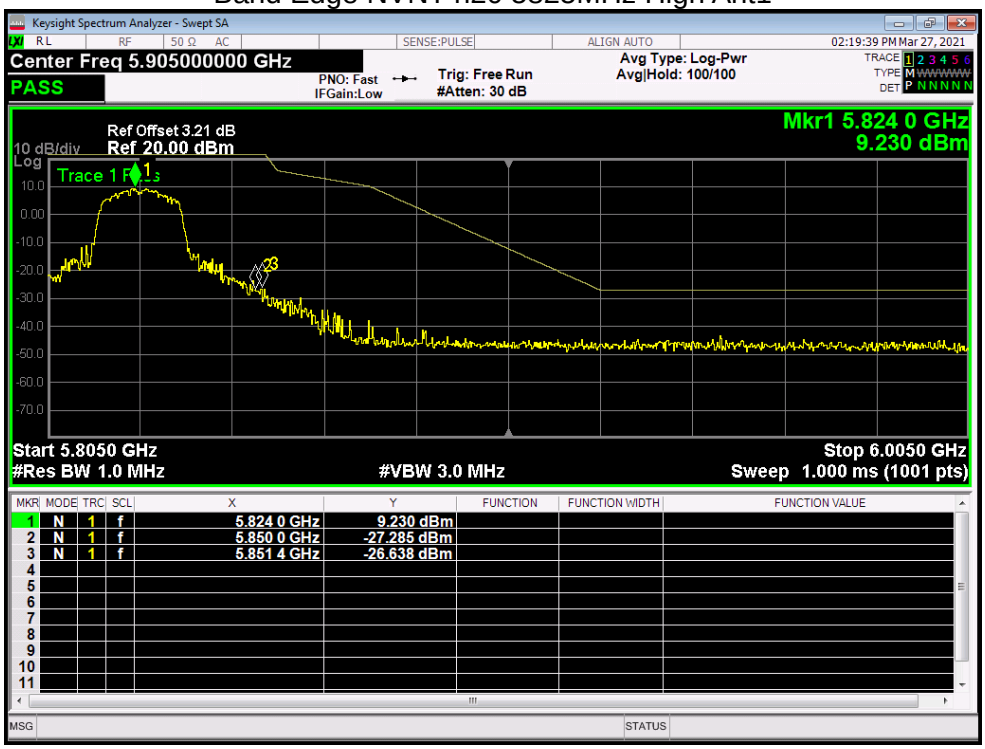
Band Edge NVNT ac80 5775MHz High Ant1



Band Edge NVNT n20 5745MHz Low Ant1

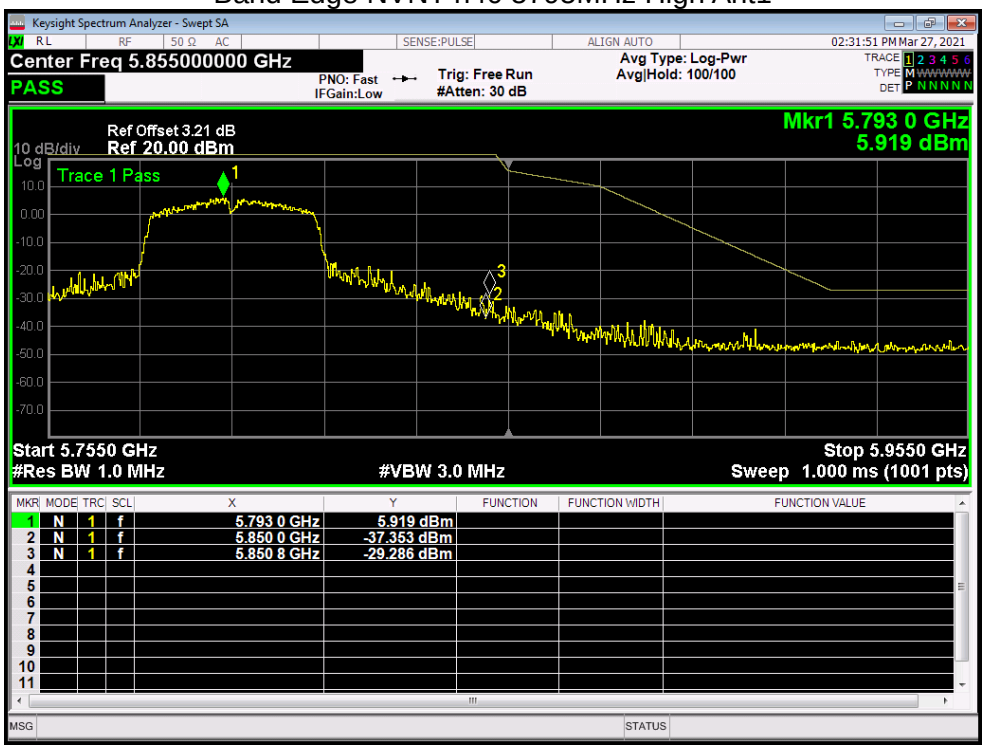


Band Edge NVNT n20 5825MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant1

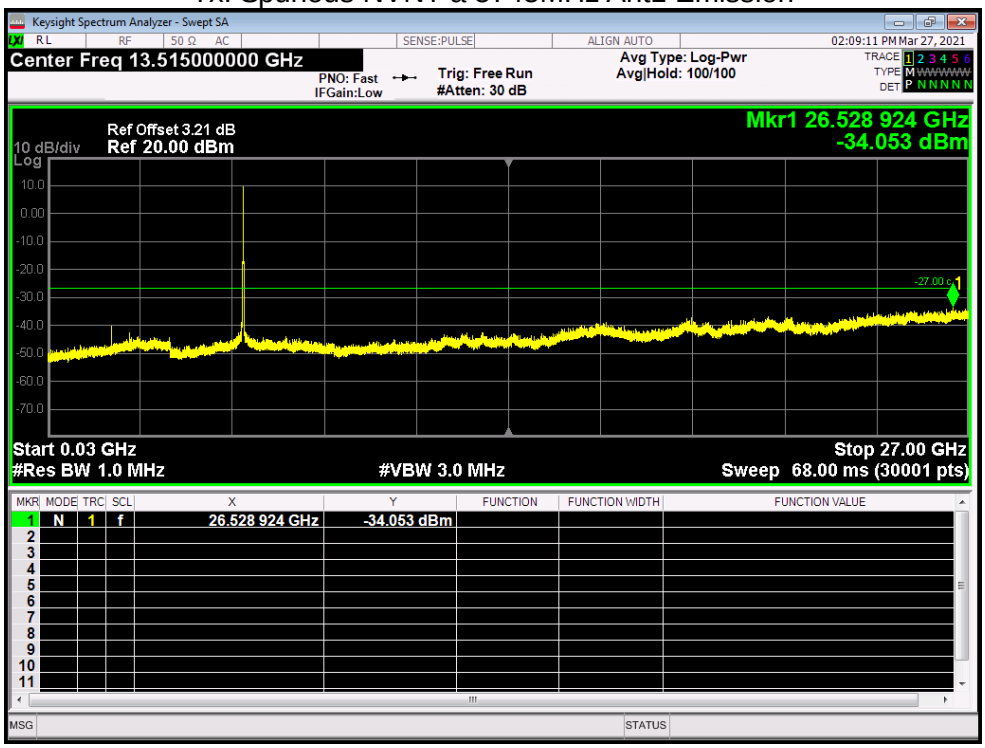
Band Edge NVNT n40 5795MHz High Ant1



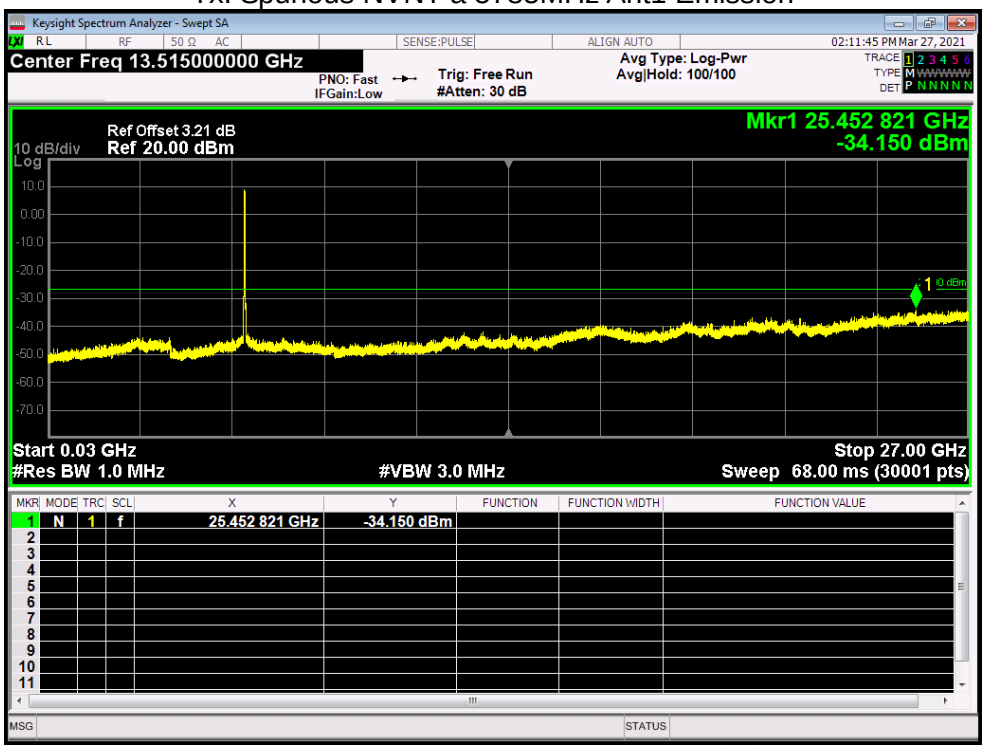
5.7 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-34.05	-27	Pass
NVNT	a	5785	Ant1	-34.14	-27	Pass
NVNT	a	5805	Ant1	-31.08	-27	Pass
NVNT	ac20	5745	Ant1	-33.73	-27	Pass
NVNT	ac20	5785	Ant1	-33.67	-27	Pass
NVNT	ac20	5825	Ant1	-34.11	-27	Pass
NVNT	ac40	5755	Ant1	-32.5	-27	Pass
NVNT	ac40	5795	Ant1	-33.52	-27	Pass
NVNT	ac80	5775	Ant1	-33.96	-27	Pass
NVNT	n20	5745	Ant1	-33.97	-27	Pass
NVNT	n20	5785	Ant1	-33.74	-27	Pass
NVNT	n20	5825	Ant1	-33.89	-27	Pass
NVNT	n40	5755	Ant1	-34.16	-27	Pass
NVNT	n40	5795	Ant1	-33.77	-27	Pass

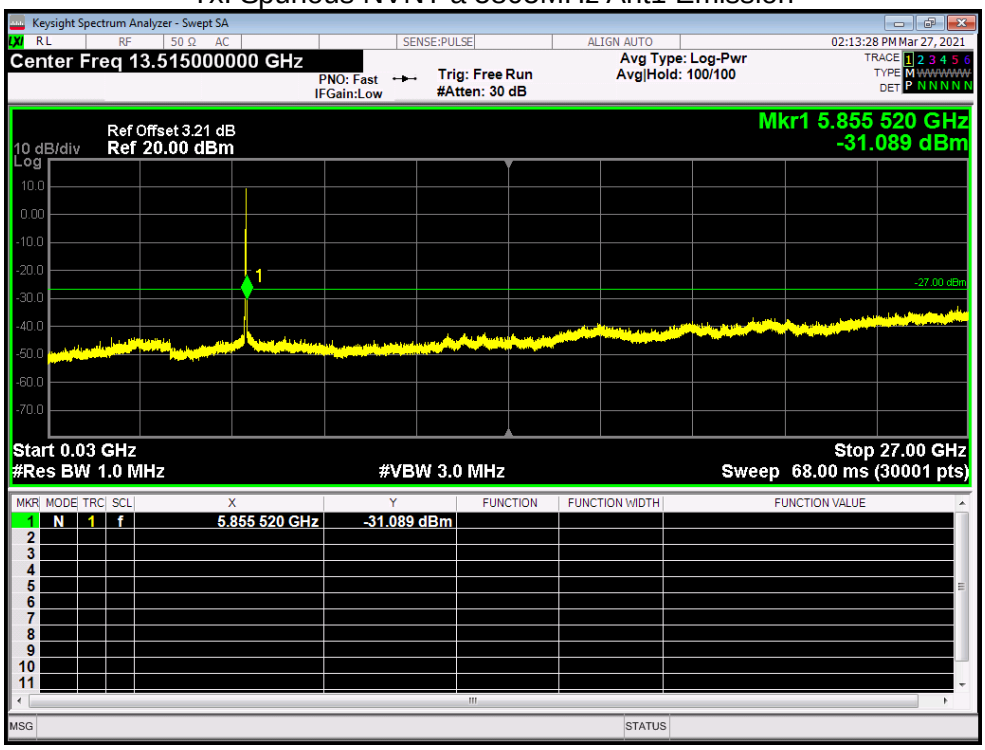
Tx. Spurious NVNT a 5745MHz Ant1 Emission



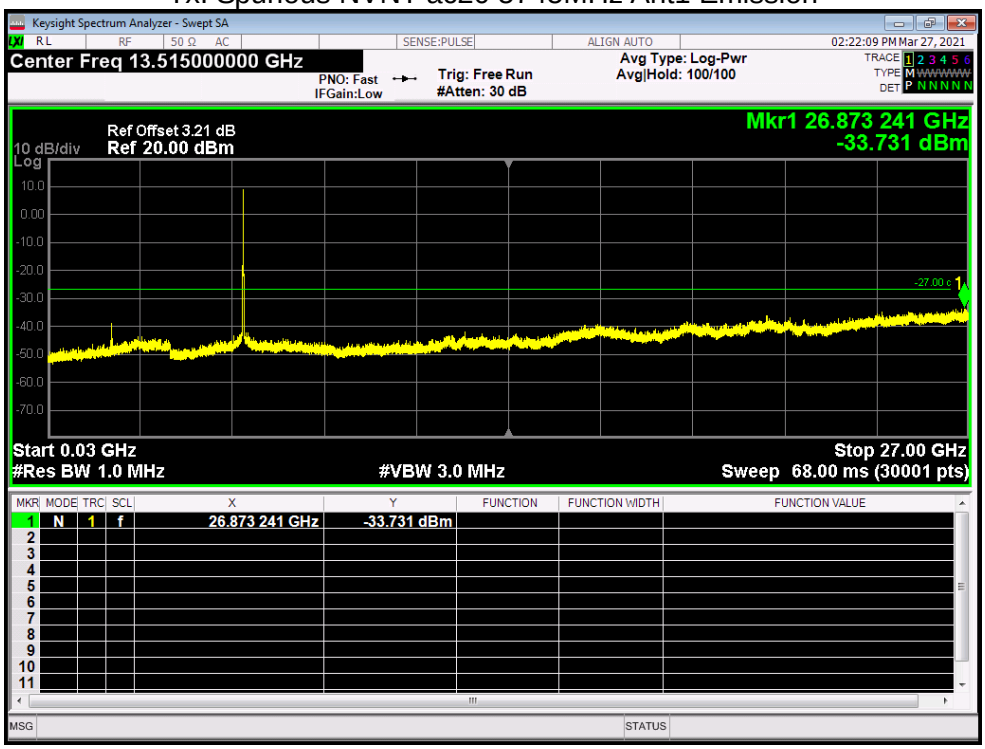
Tx. Spurious NVNT a 5785MHz Ant1 Emission



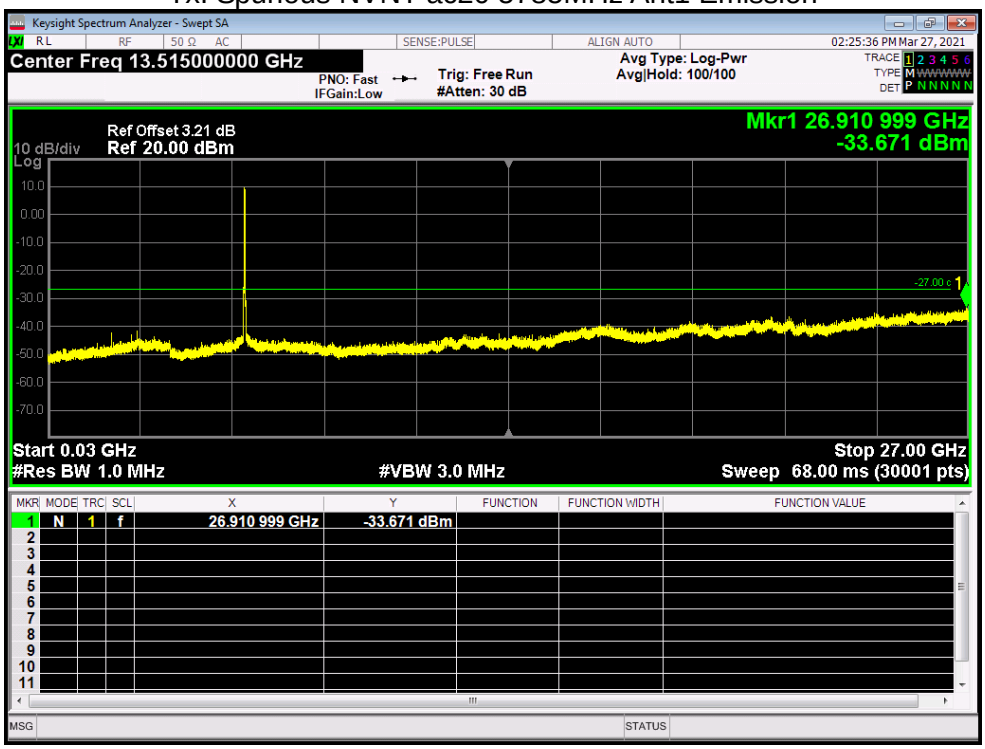
Tx. Spurious NVNT a 5805MHz Ant1 Emission



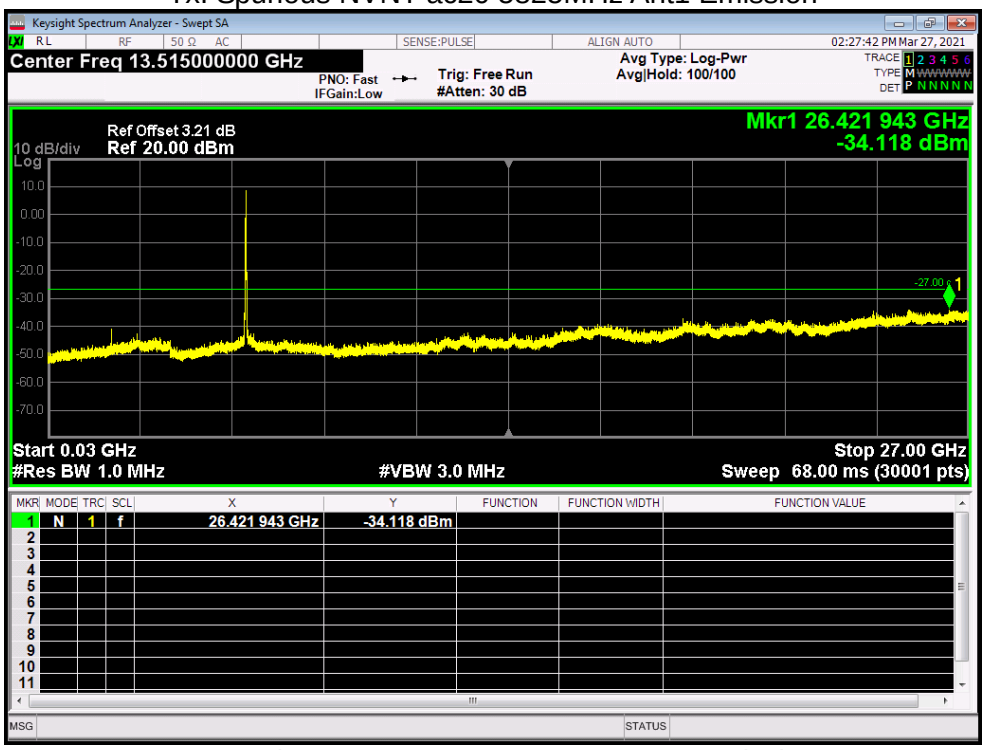
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



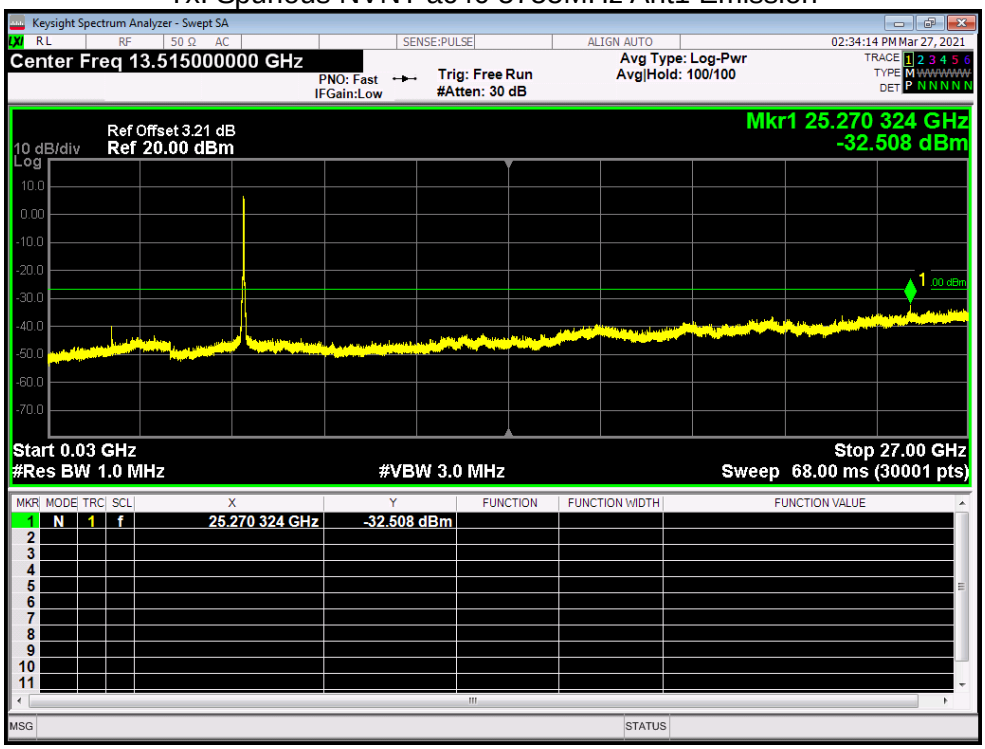
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



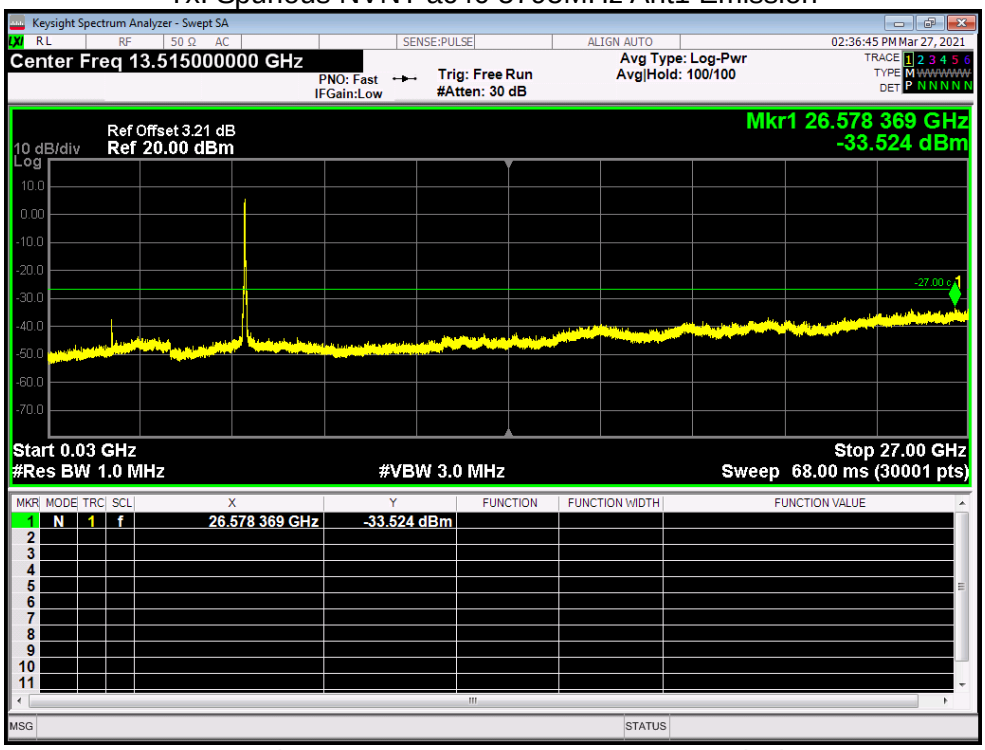
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



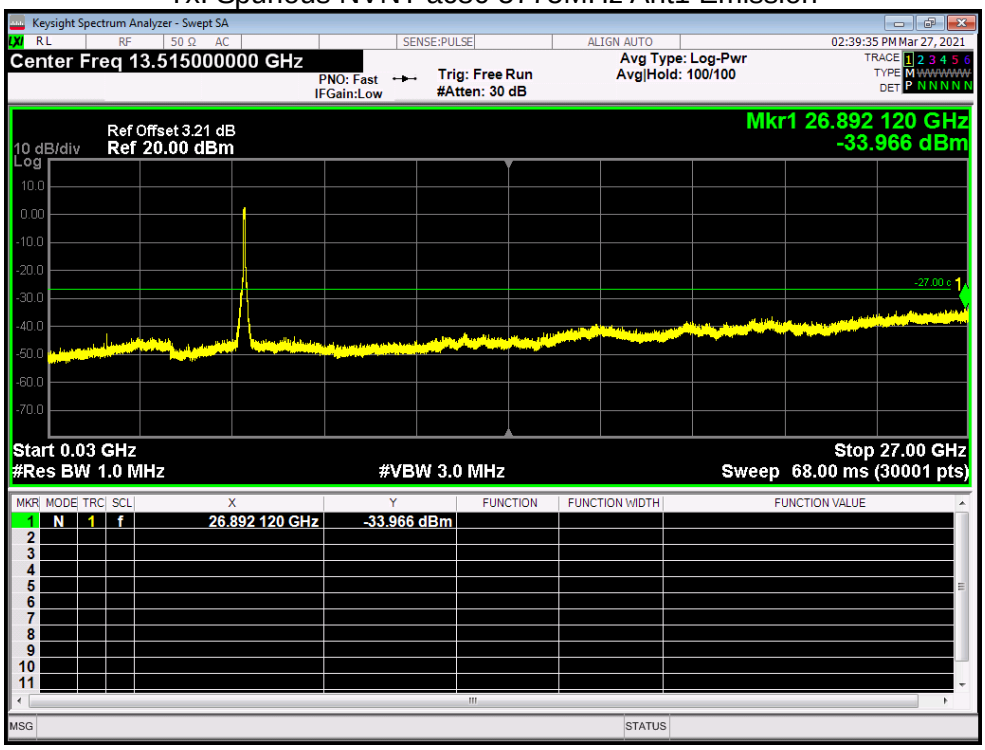
Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



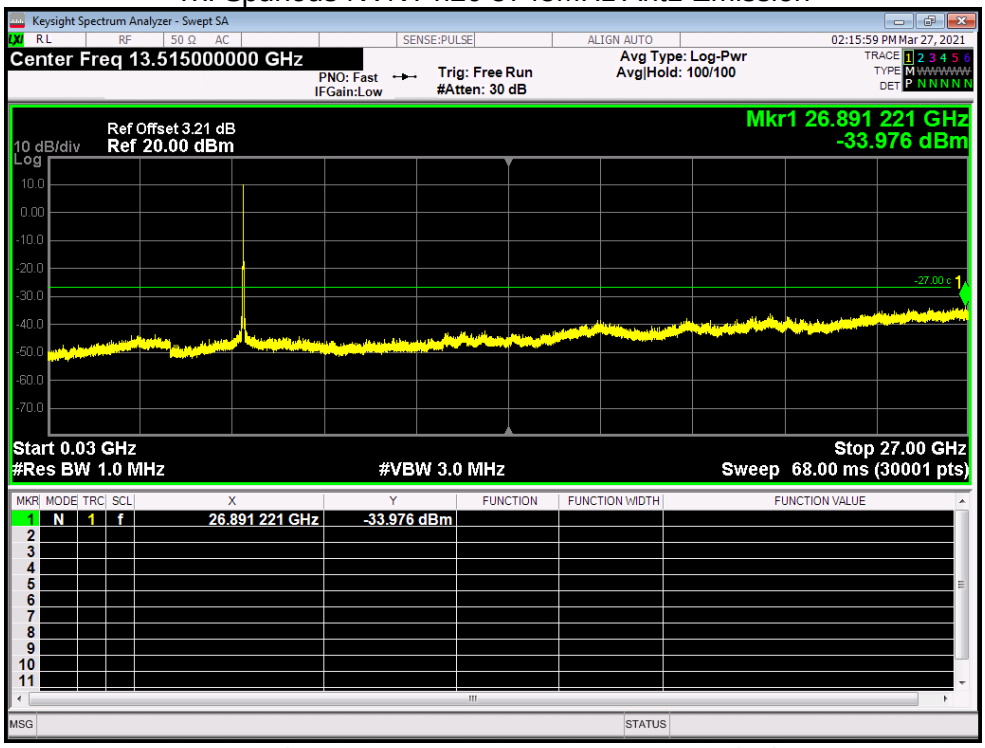
Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



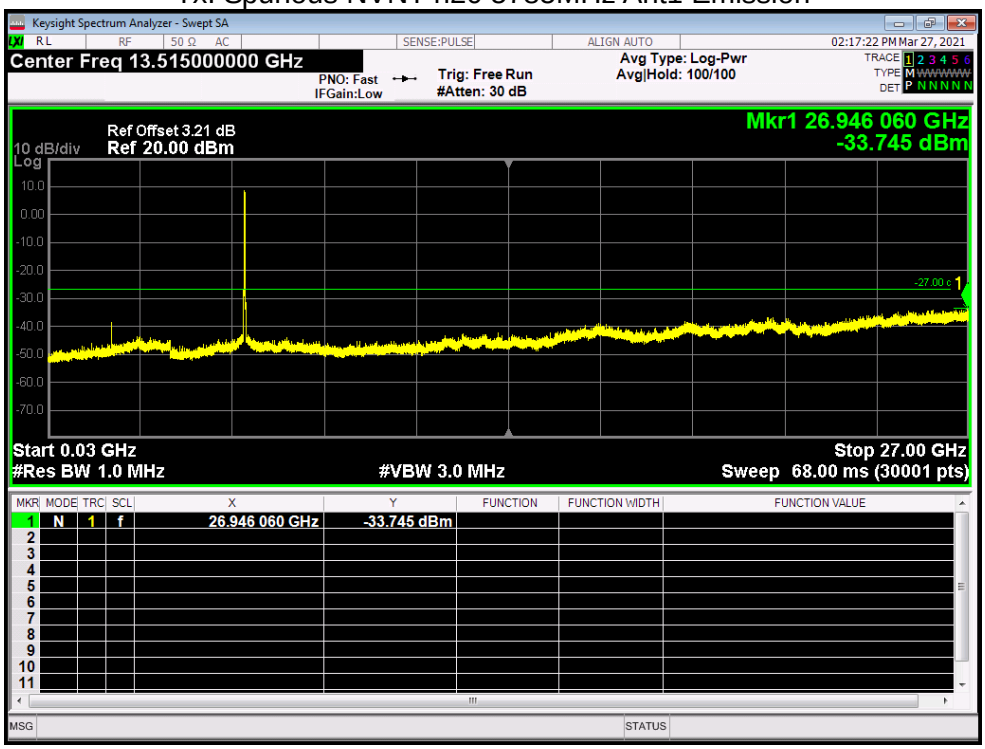
Tx. Spurious NVNT ac80 5775MHz Ant1 Emission



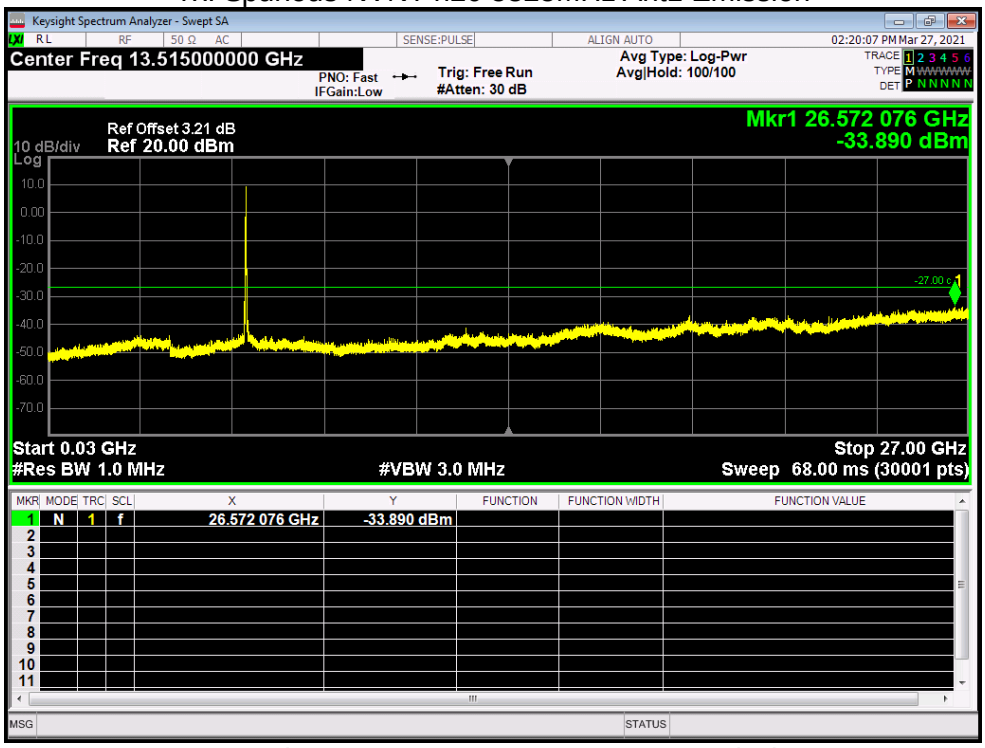
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



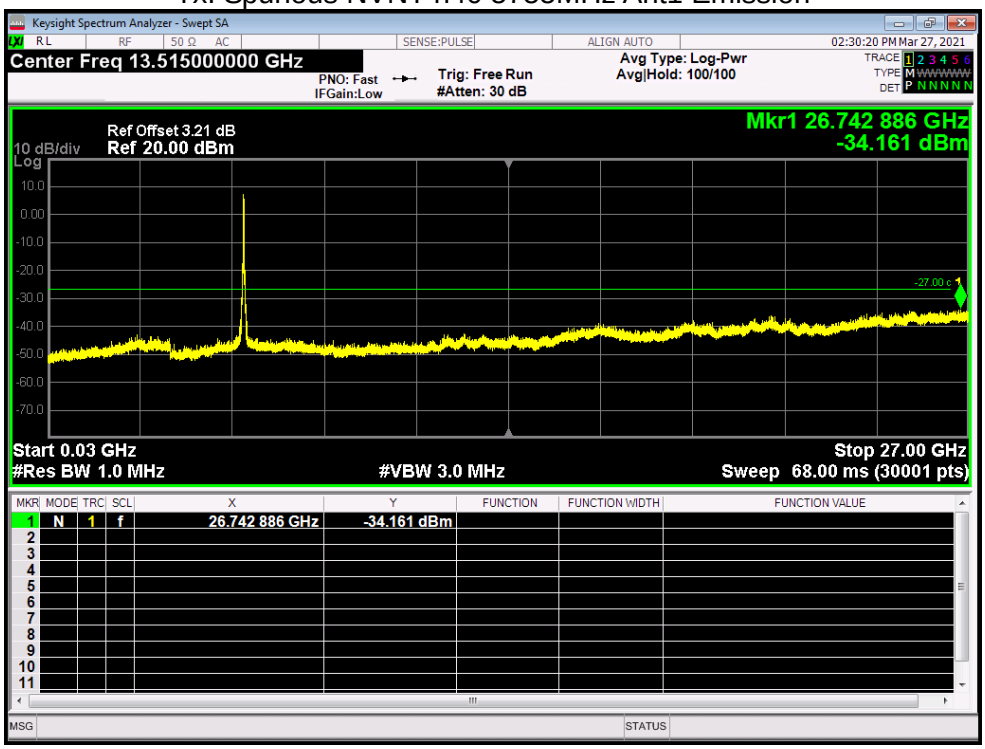
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



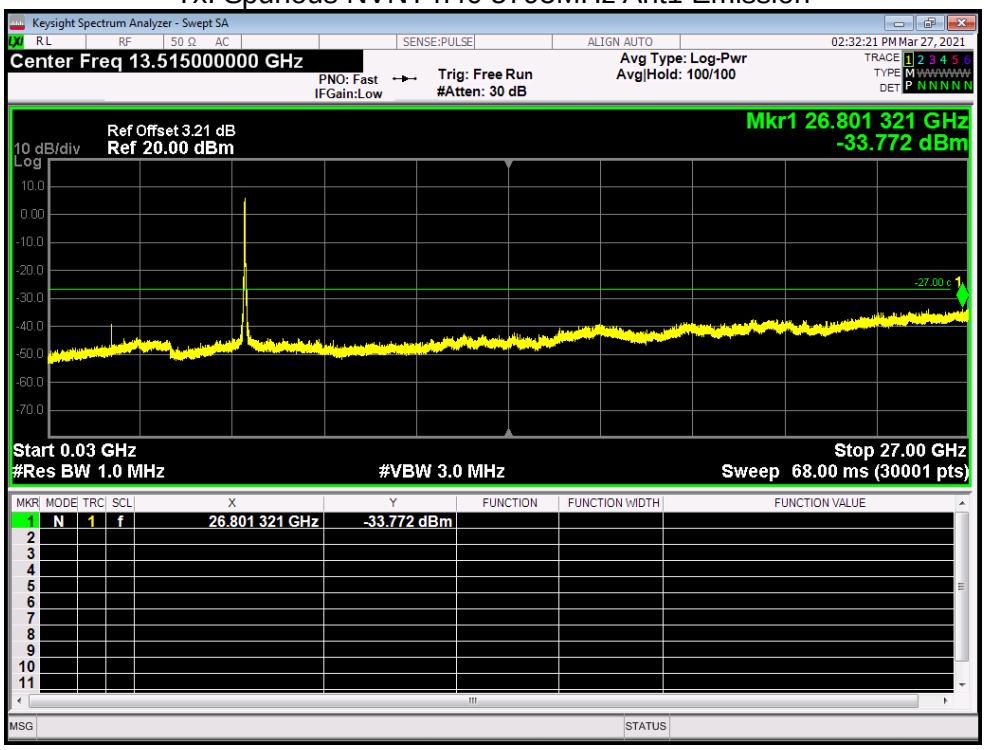
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



Tx. Spurious NVNT n40 5755MHz Ant1 Emission



Tx. Spurious NVNT n40 5795MHz Ant1 Emission



END OF REPORT