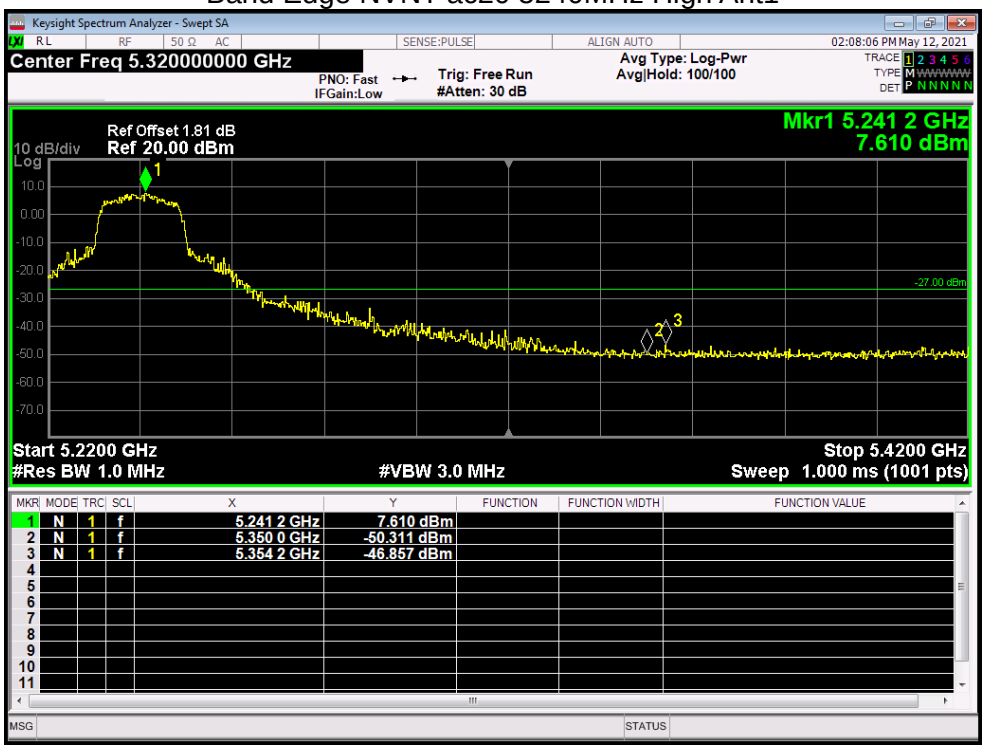
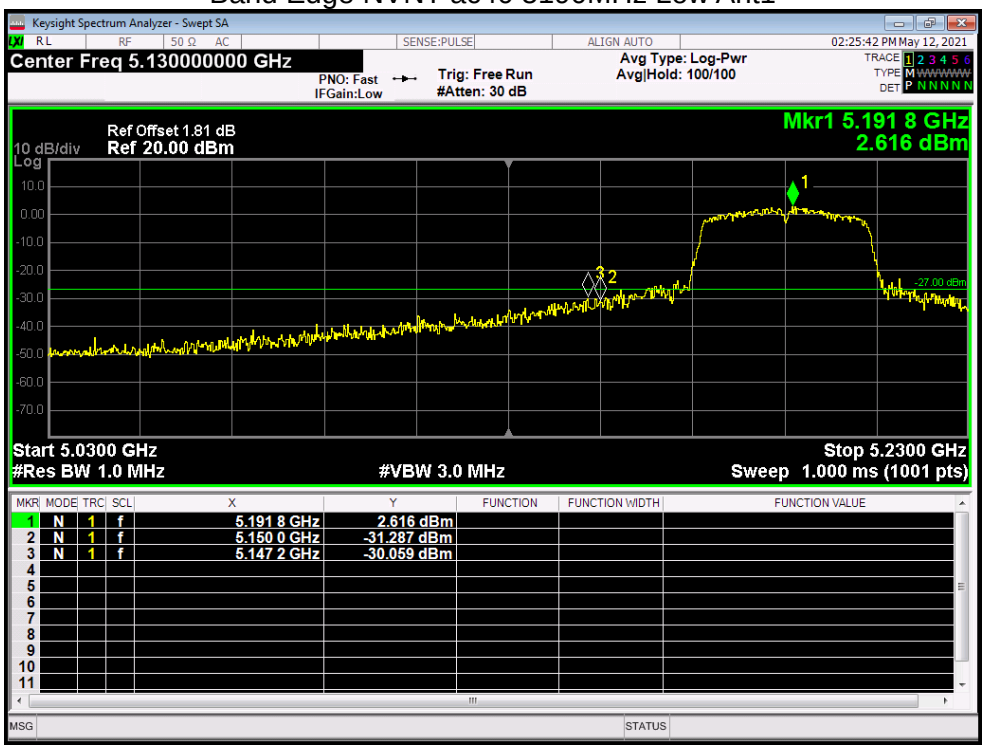
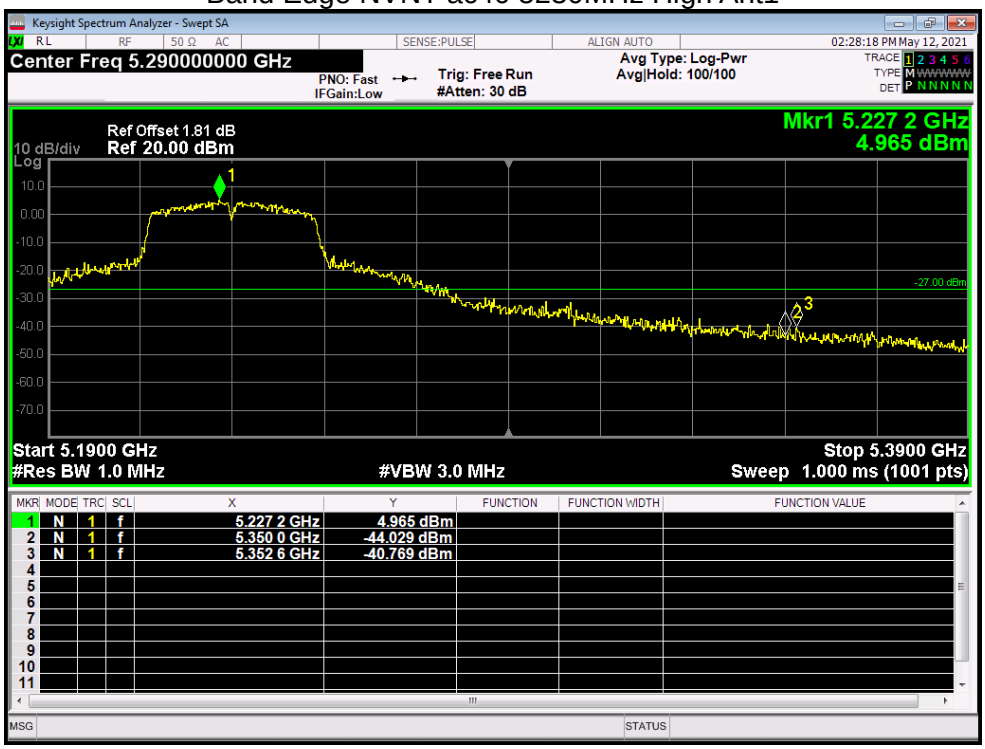
Band Edge NVNT ac20 5240MHz High Ant1



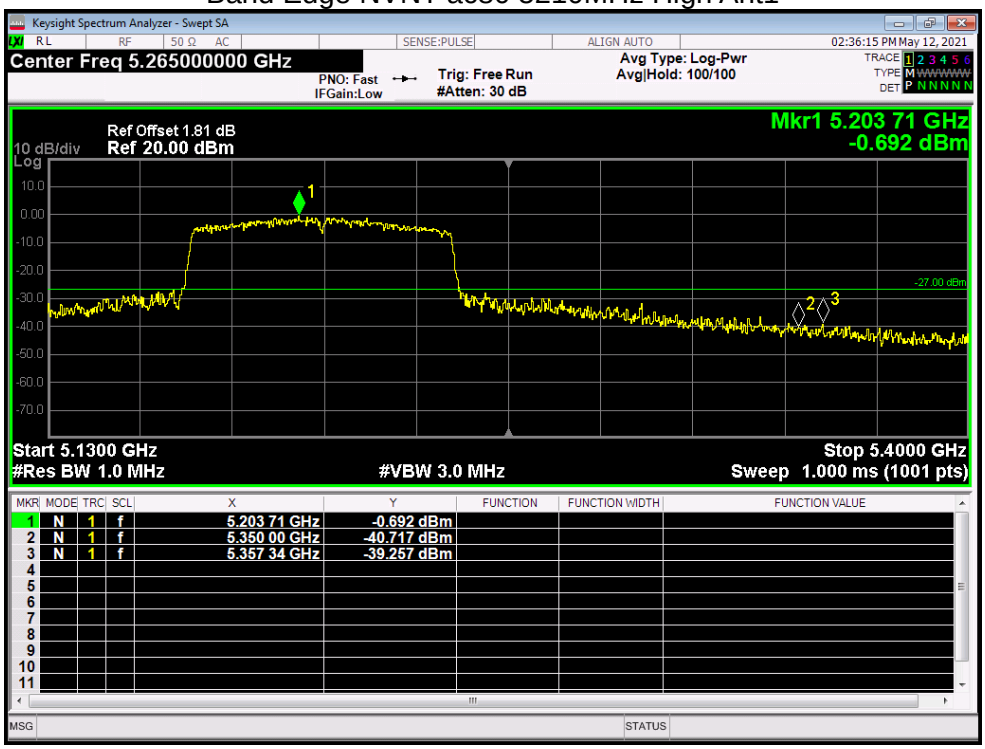
Band Edge NVNT ac40 5190MHz Low Ant1



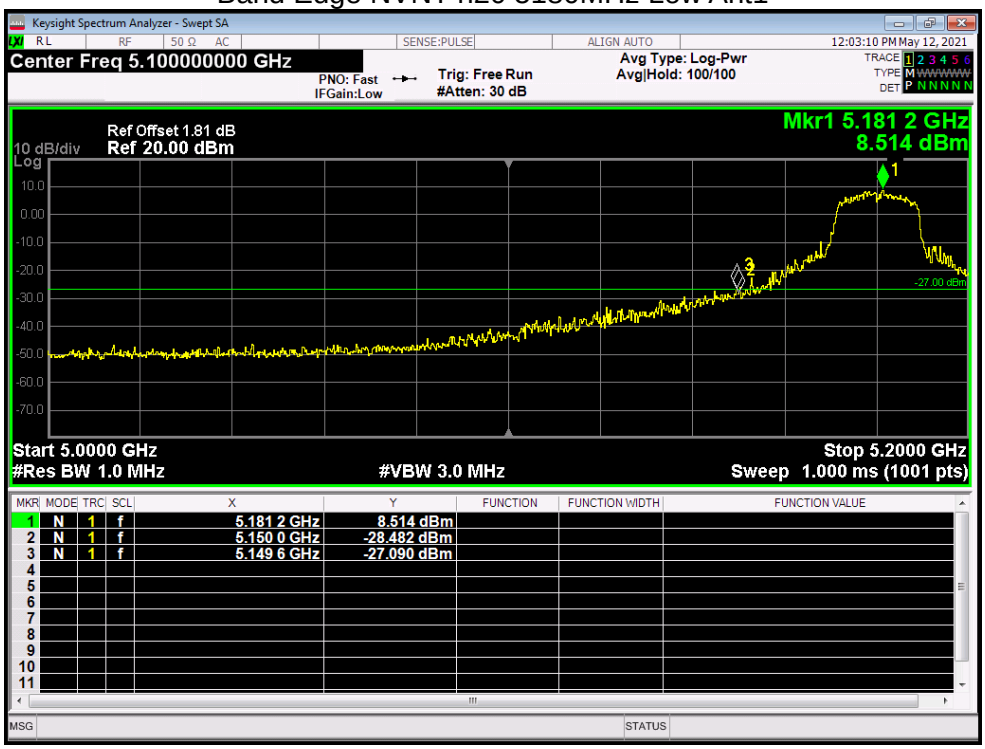
Band Edge NVNT ac40 5230MHz High Ant1



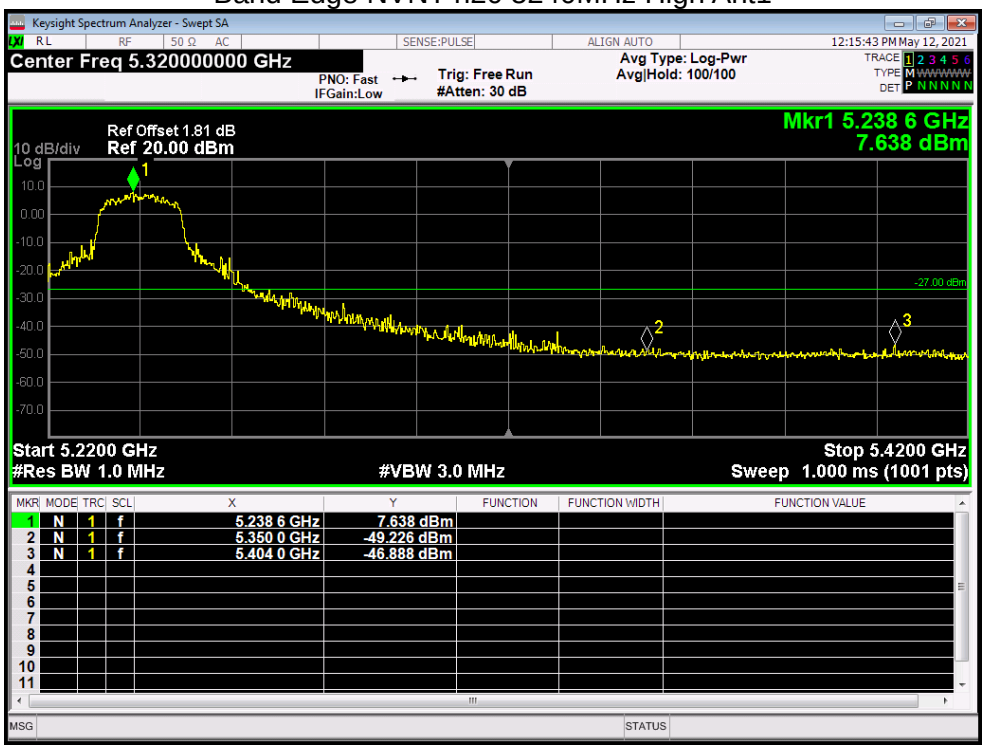
Band Edge NVNT ac80 5210MHz High Ant1



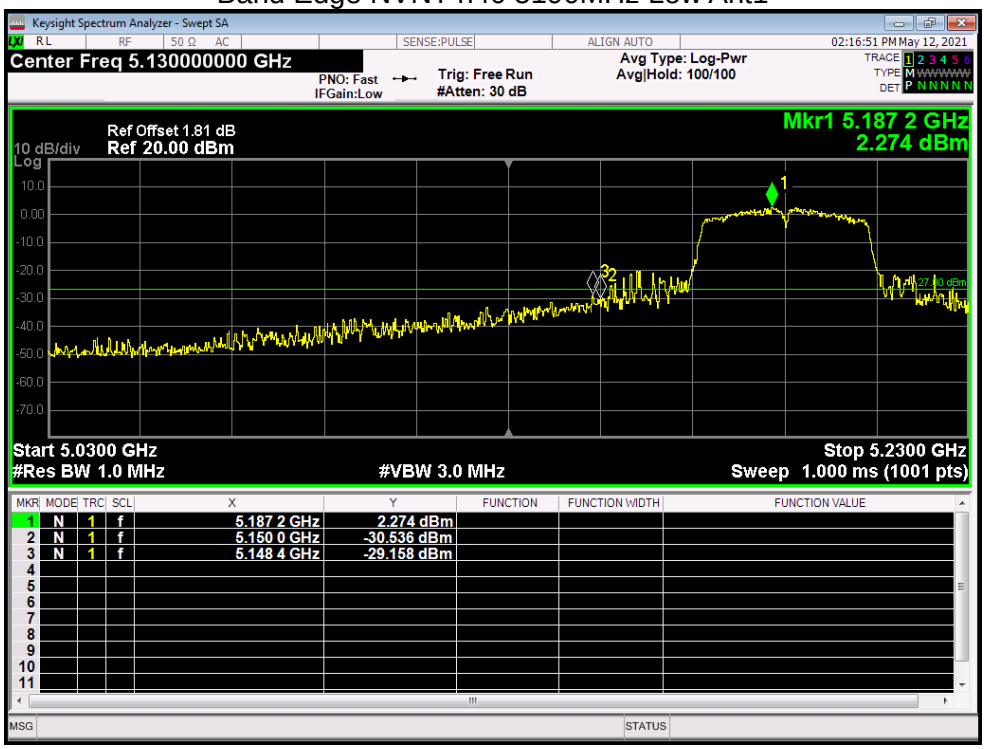
Band Edge NVNT n20 5180MHz Low Ant1



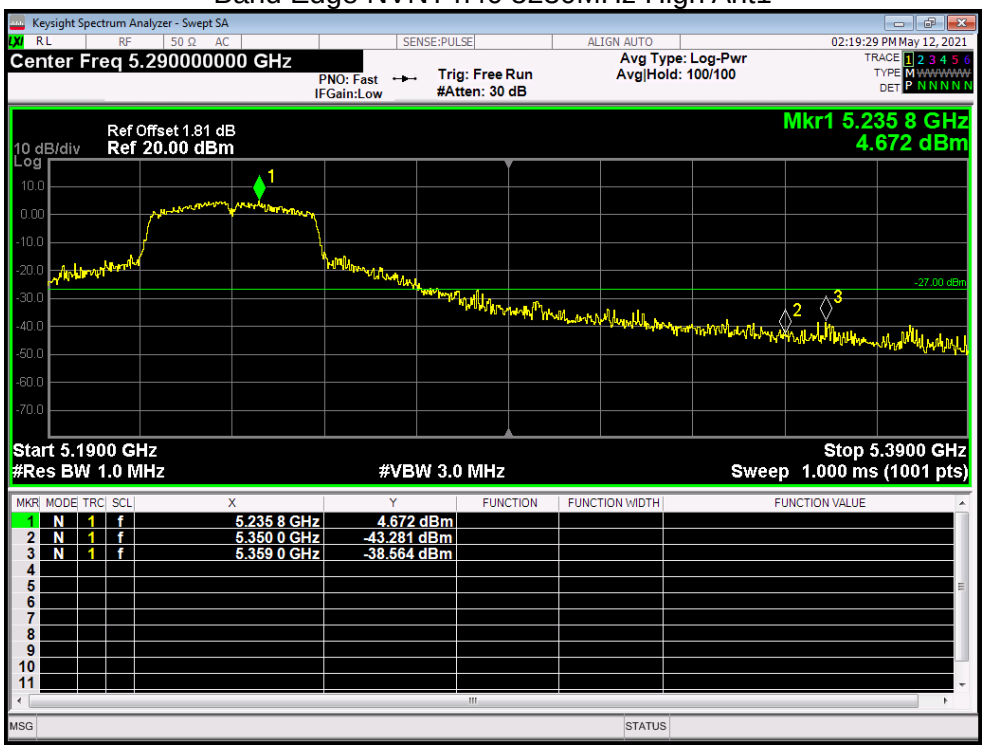
Band Edge NVNT n20 5240MHz High Ant1



Band Edge NVNT n40 5190MHz Low Ant1



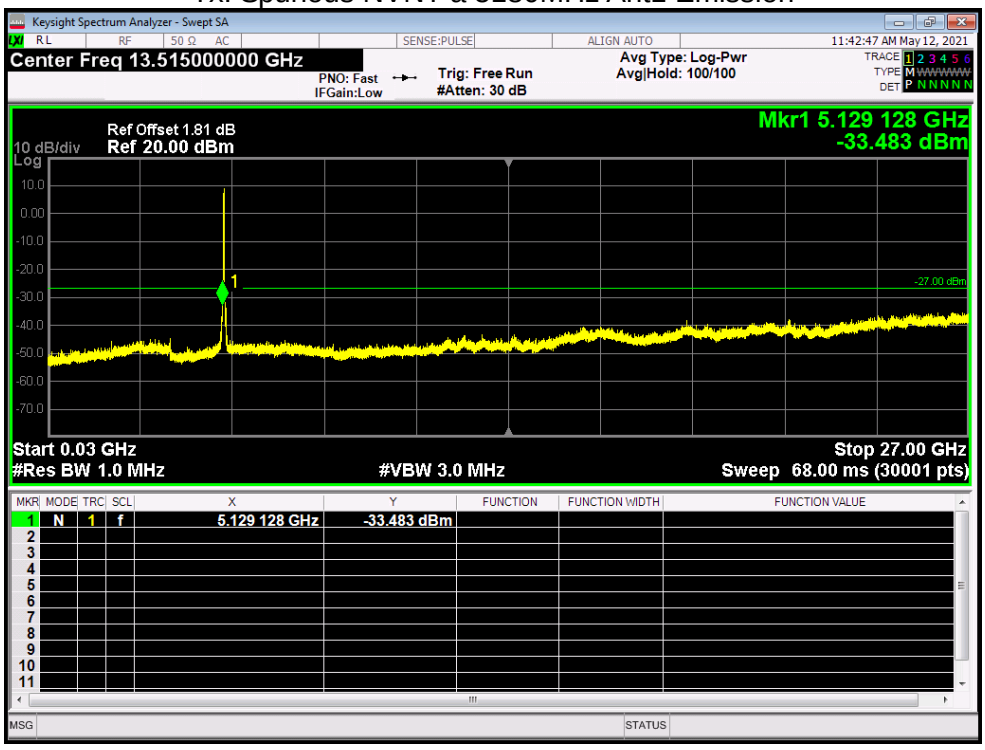
Band Edge NVNT n40 5230MHz High Ant1



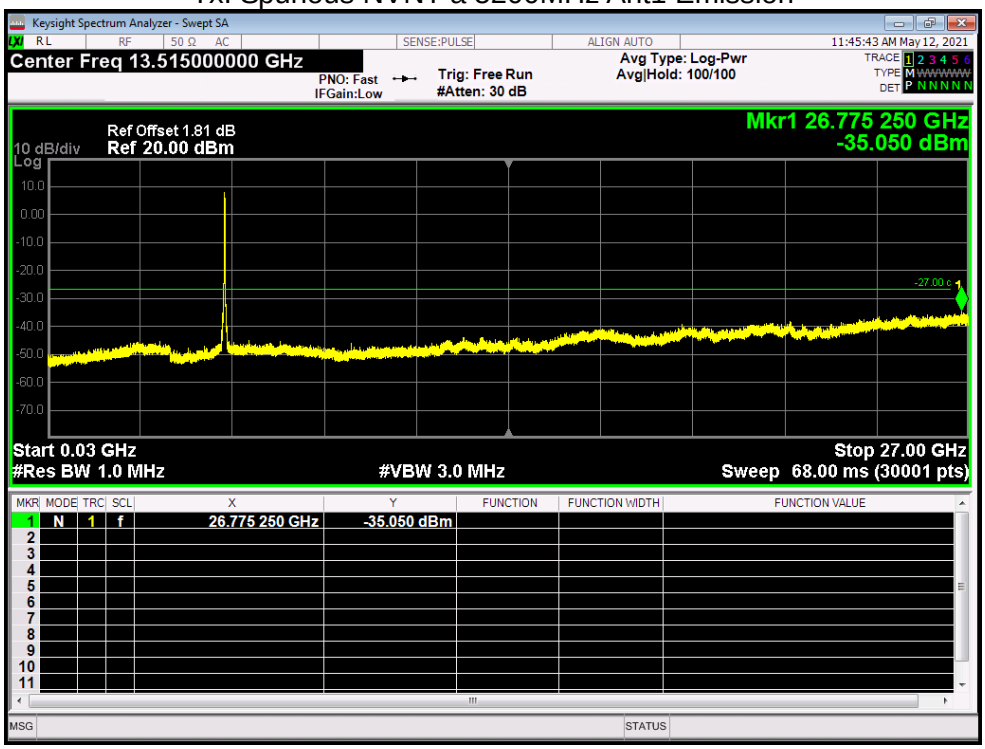
5.1.7 **CONDUCTED RF SPURIOUS EMISSION**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-33.48	-27	Pass
NVNT	a	5200	Ant1	-35.05	-27	Pass
NVNT	a	5240	Ant1	-35.32	-27	Pass
NVNT	ac20	5180	Ant1	-33.56	-27	Pass
NVNT	ac20	5200	Ant1	-35.43	-27	Pass
NVNT	ac20	5240	Ant1	-34.49	-27	Pass
NVNT	ac40	5190	Ant1	-34.89	-27	Pass
NVNT	ac40	5230	Ant1	-35.09	-27	Pass
NVNT	ac80	5210	Ant1	-34	-27	Pass
NVNT	n20	5180	Ant1	-32.57	-27	Pass
NVNT	n20	5200	Ant1	-34.63	-27	Pass
NVNT	n20	5240	Ant1	-34.85	-27	Pass
NVNT	n40	5190	Ant1	-34.89	-27	Pass
NVNT	n40	5230	Ant1	-34.68	-27	Pass

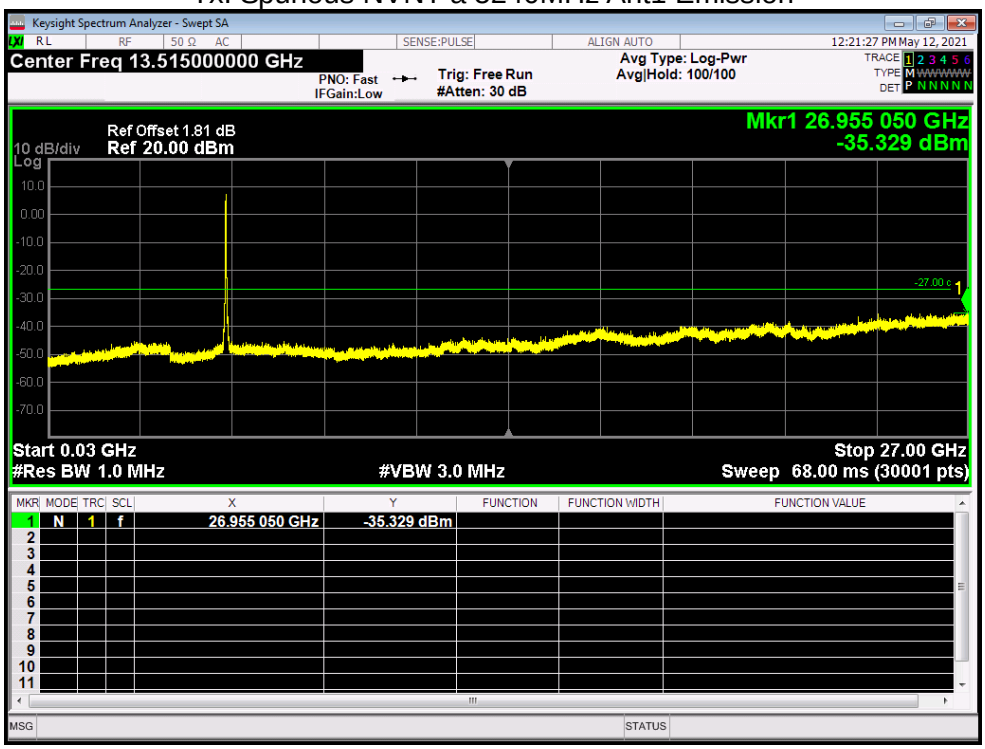
Tx. Spurious NVNT a 5180MHz Ant1 Emission



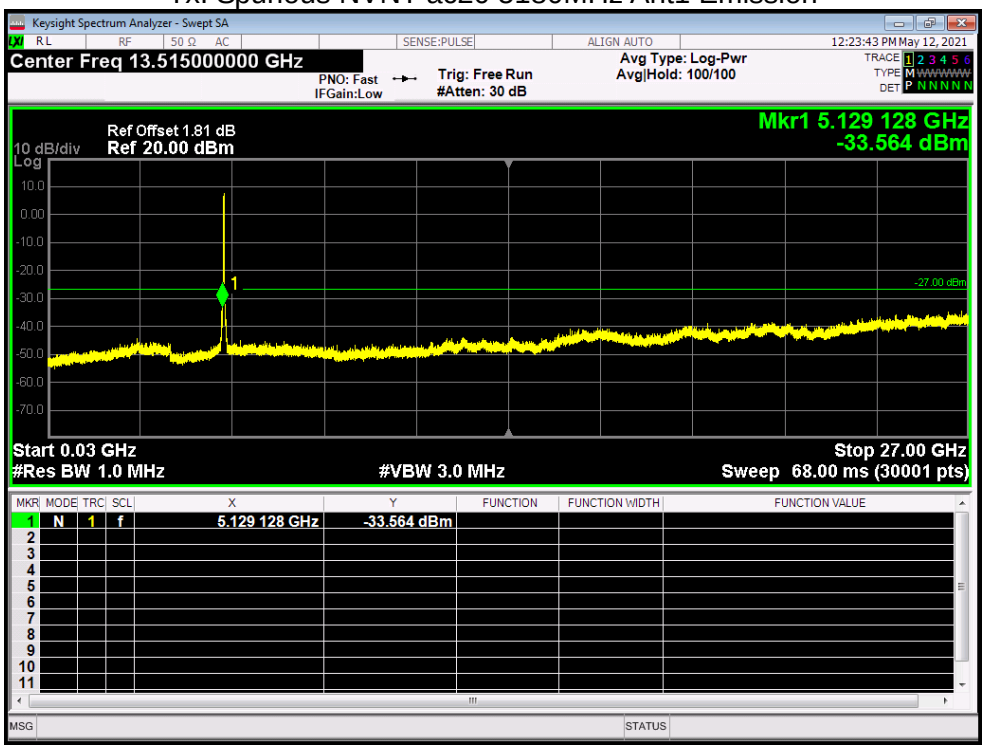
Tx. Spurious NVNT a 5200MHz Ant1 Emission



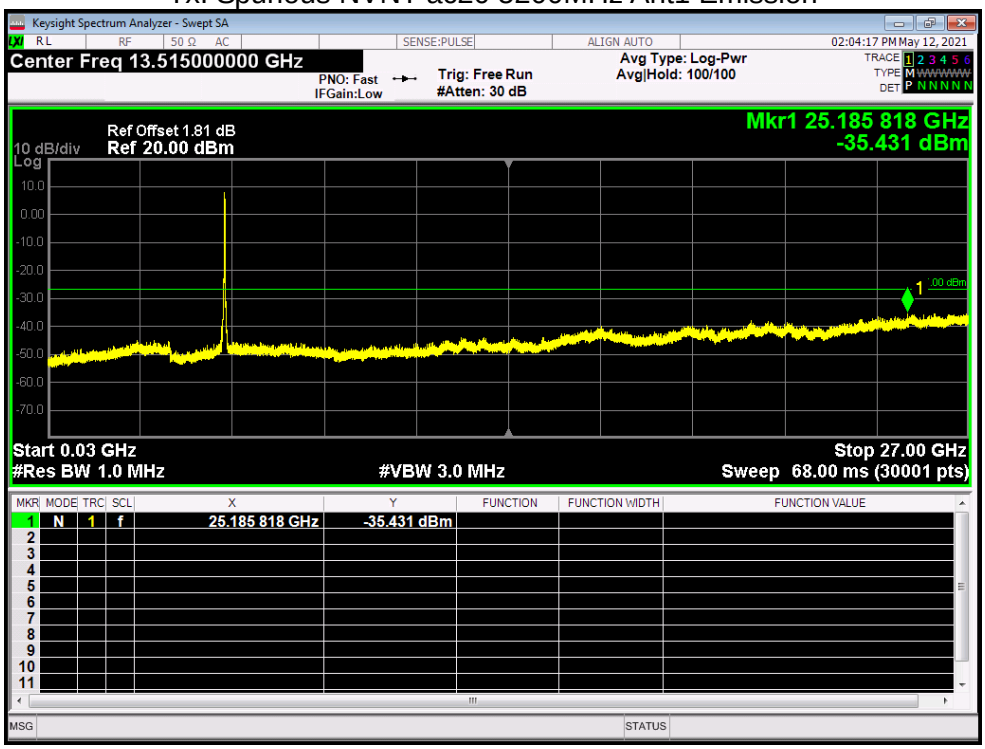
Tx. Spurious NVNT a 5240MHz Ant1 Emission



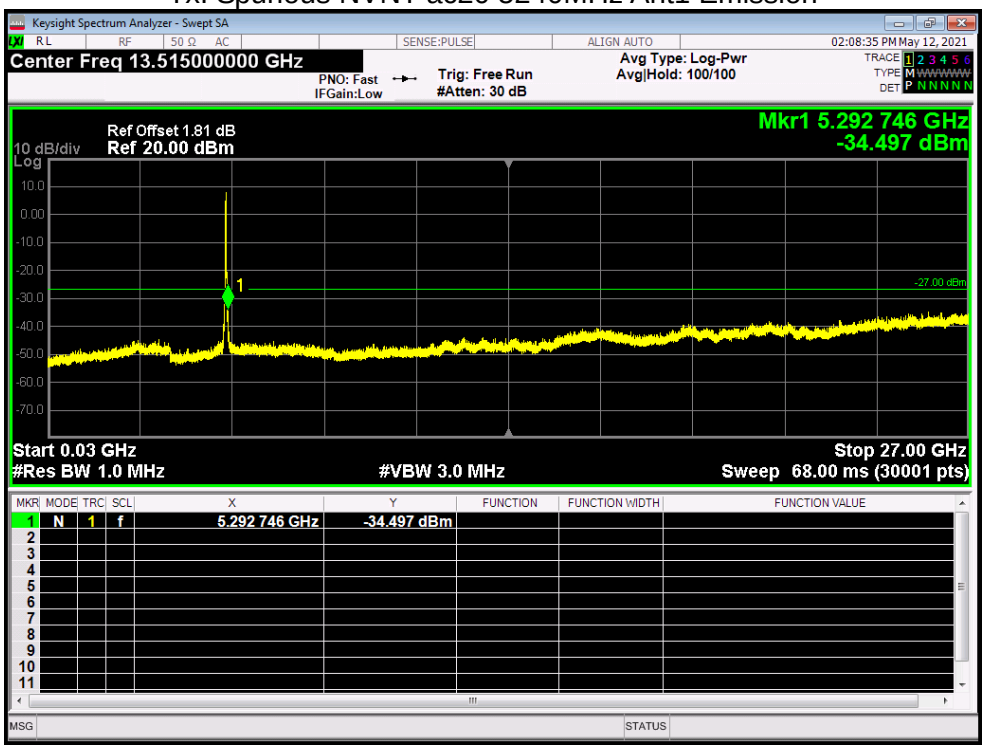
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



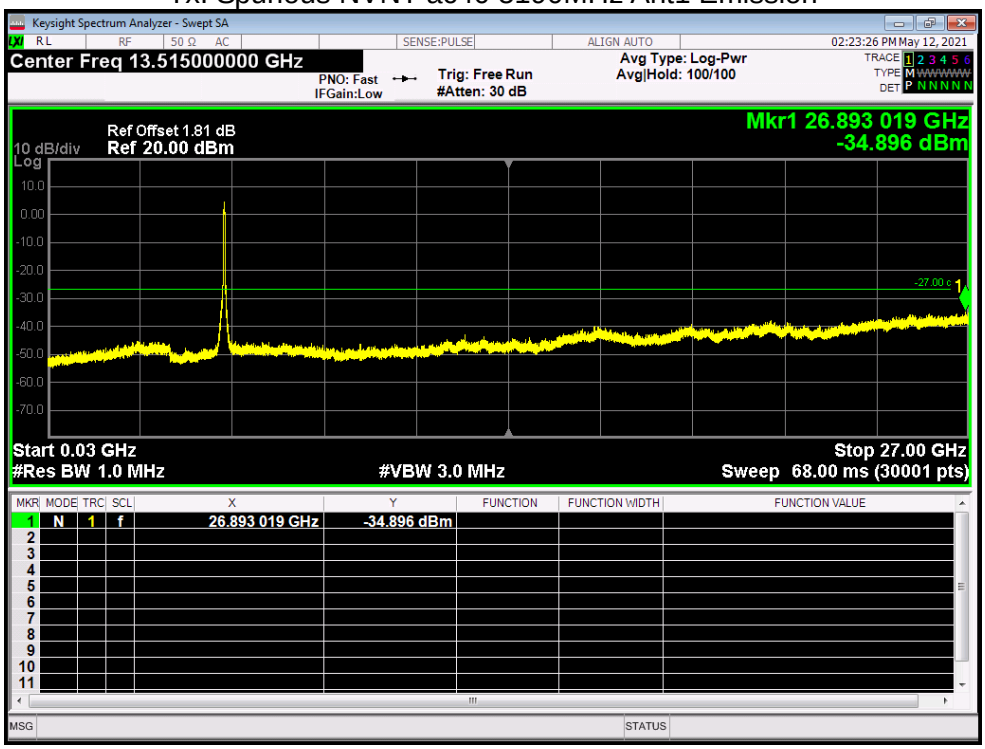
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



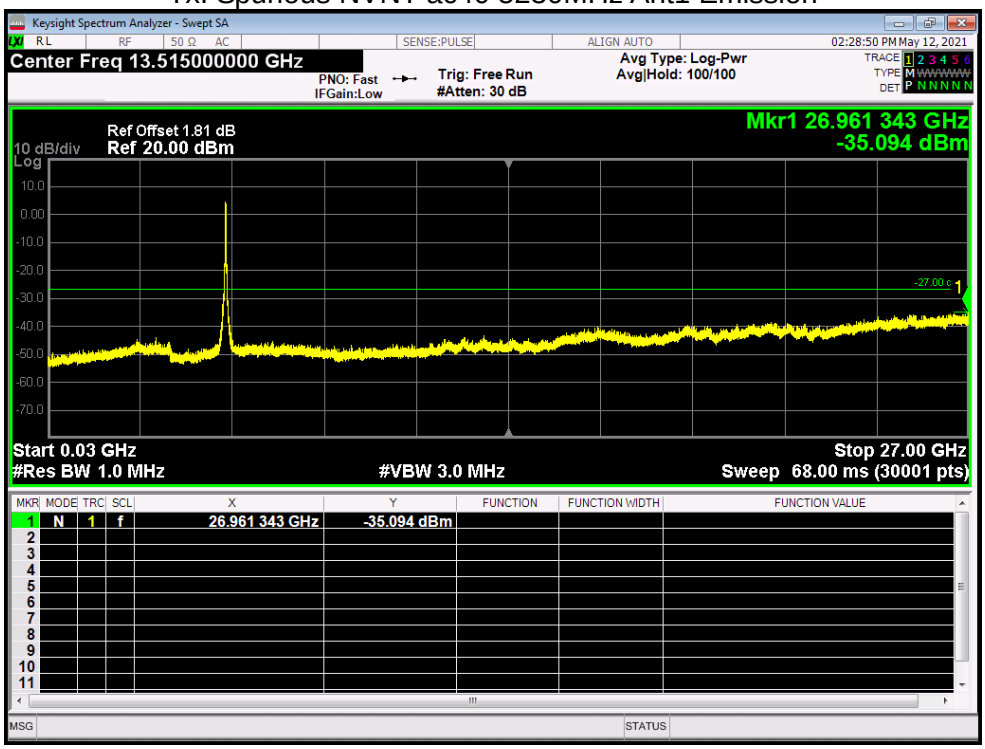
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



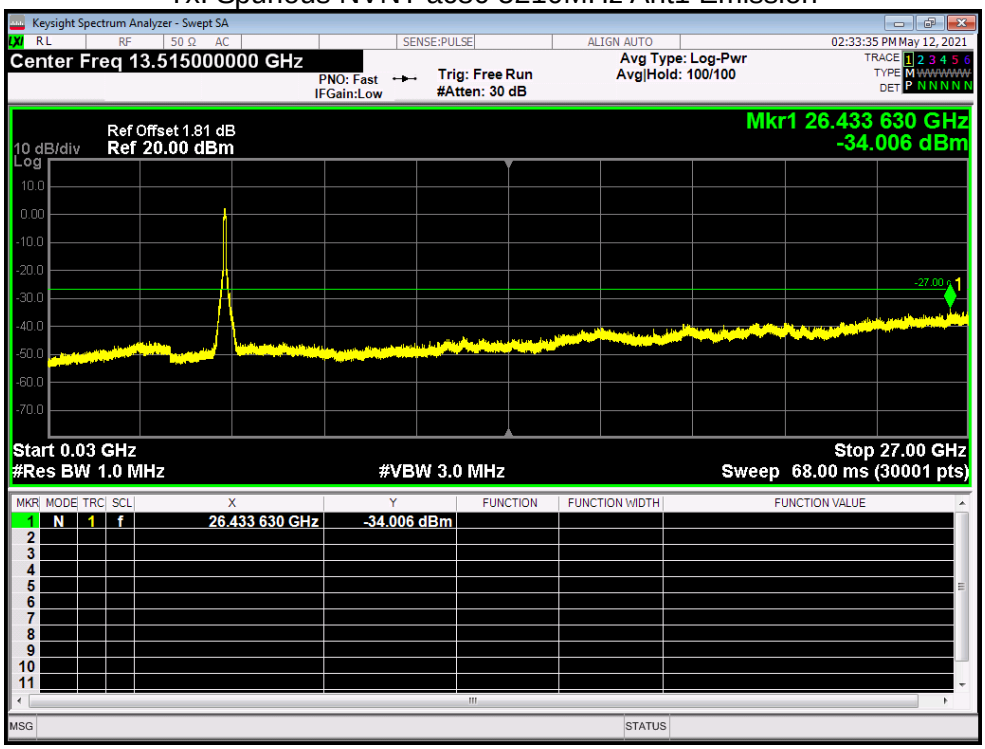
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



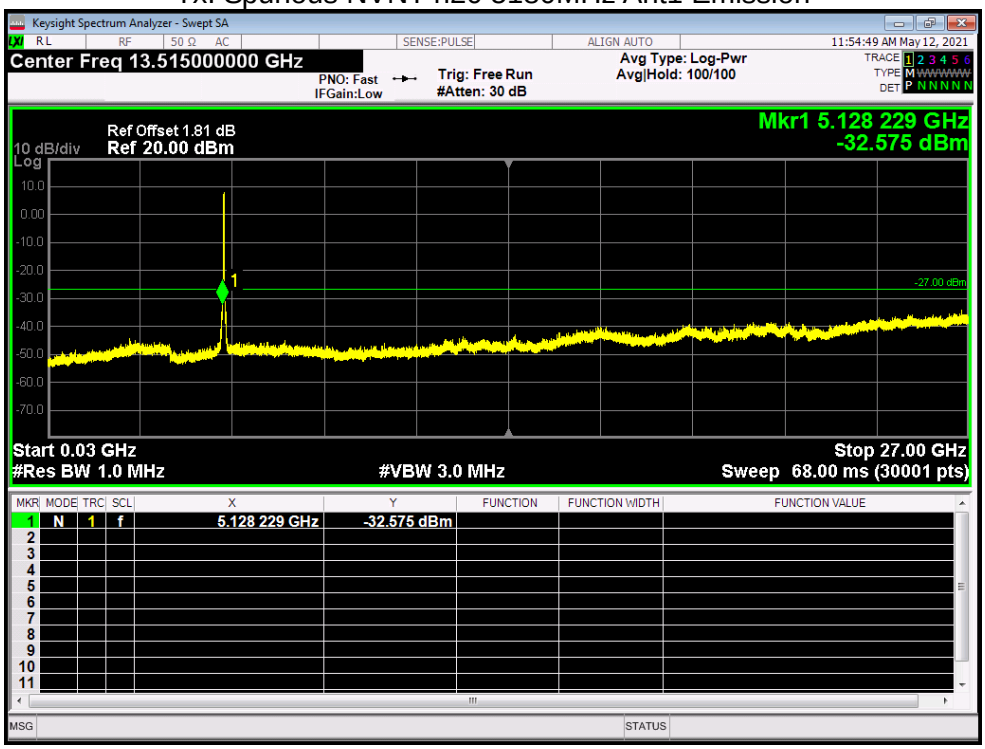
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



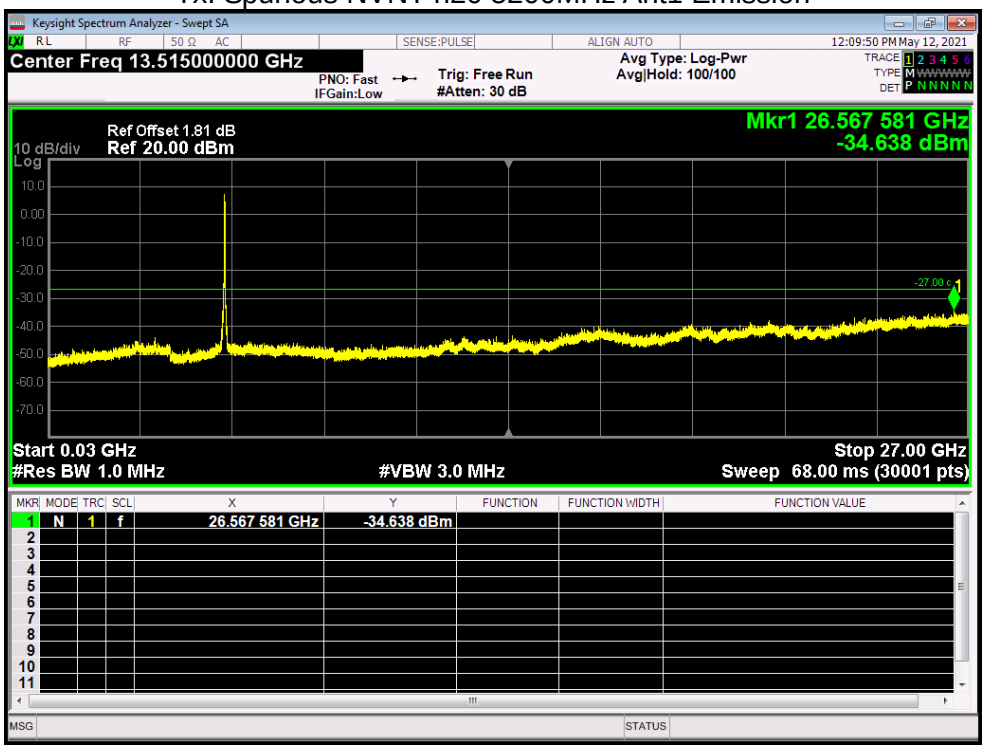
Tx. Spurious NVNT ac80 5210MHz Ant1 Emission



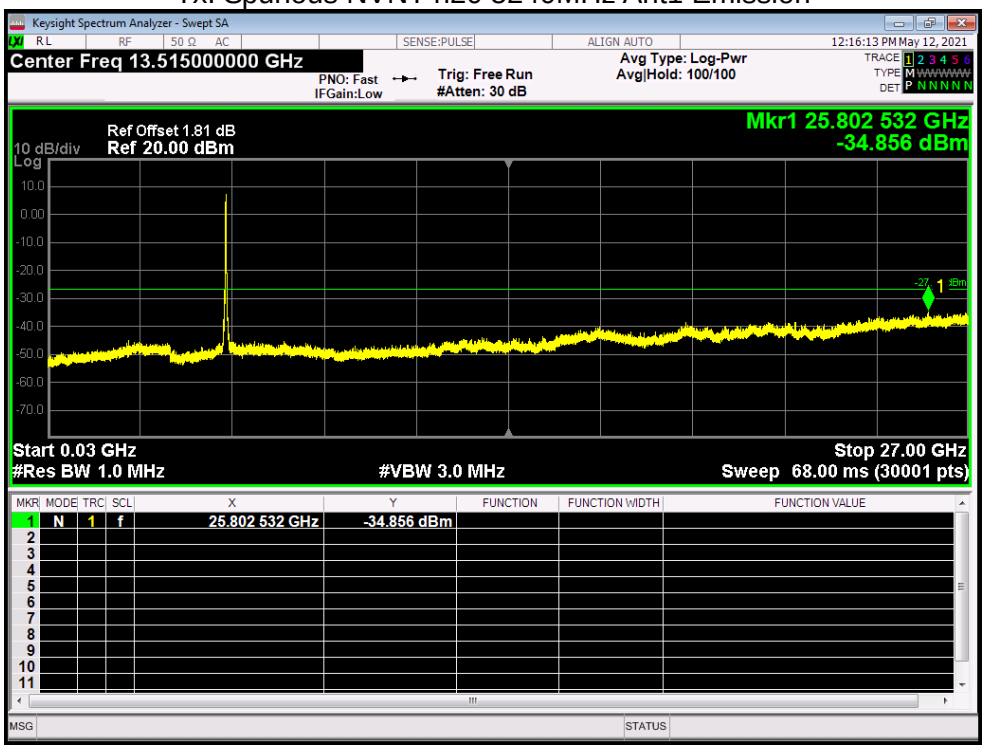
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



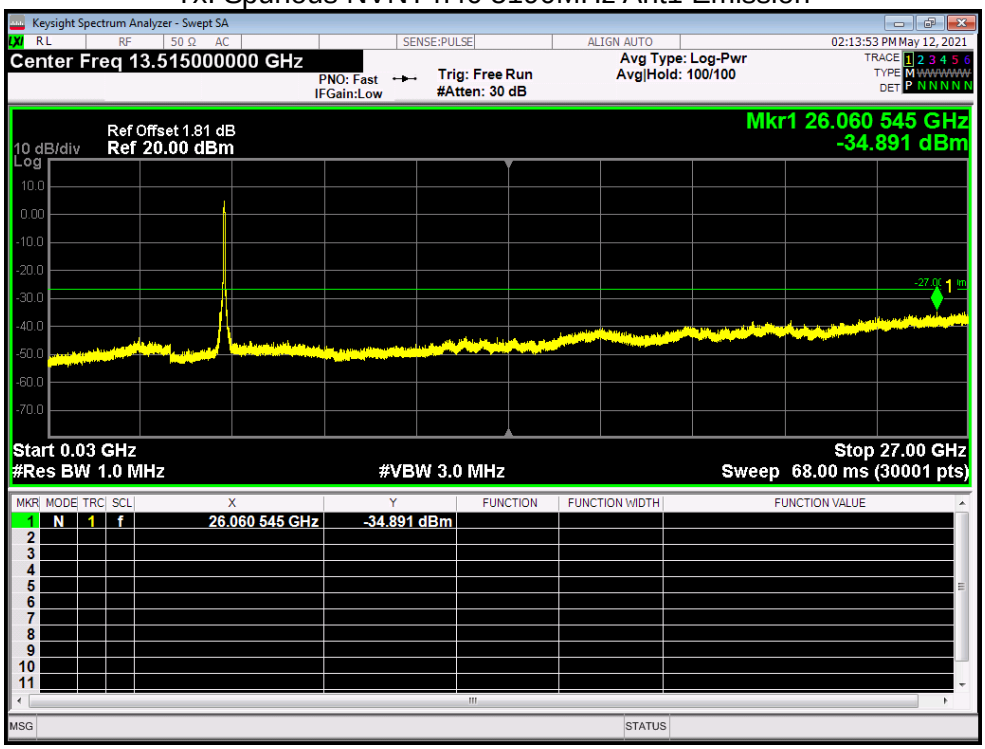
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



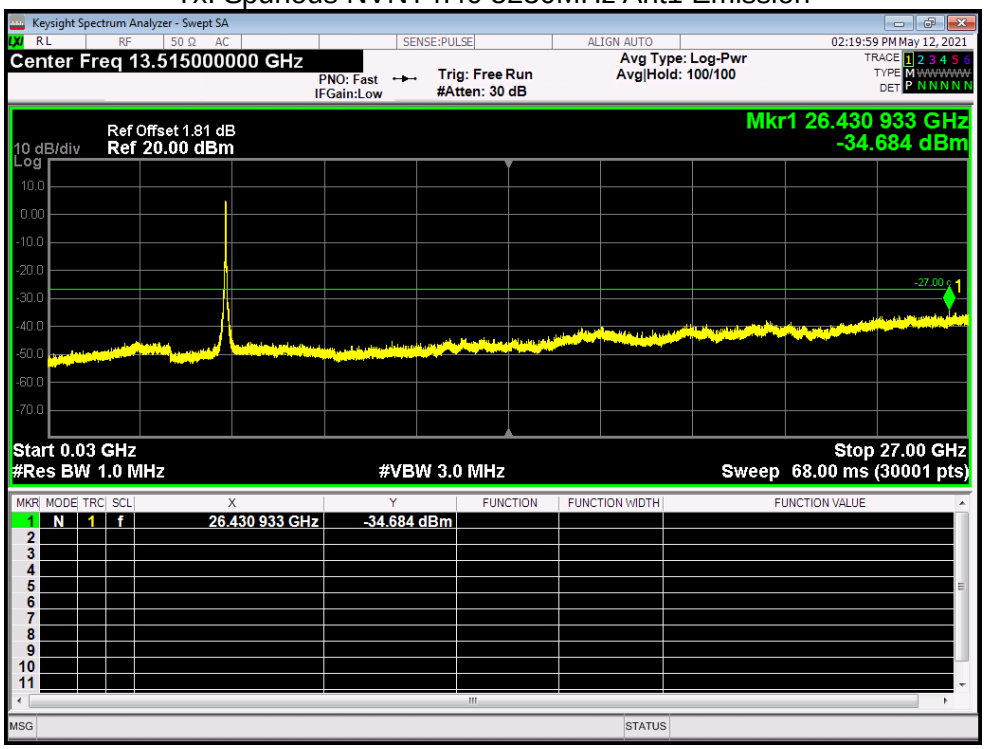
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



Tx. Spurious NVNT n40 5190MHz Ant1 Emission



Tx. Spurious NVNT n40 5230MHz Ant1 Emission

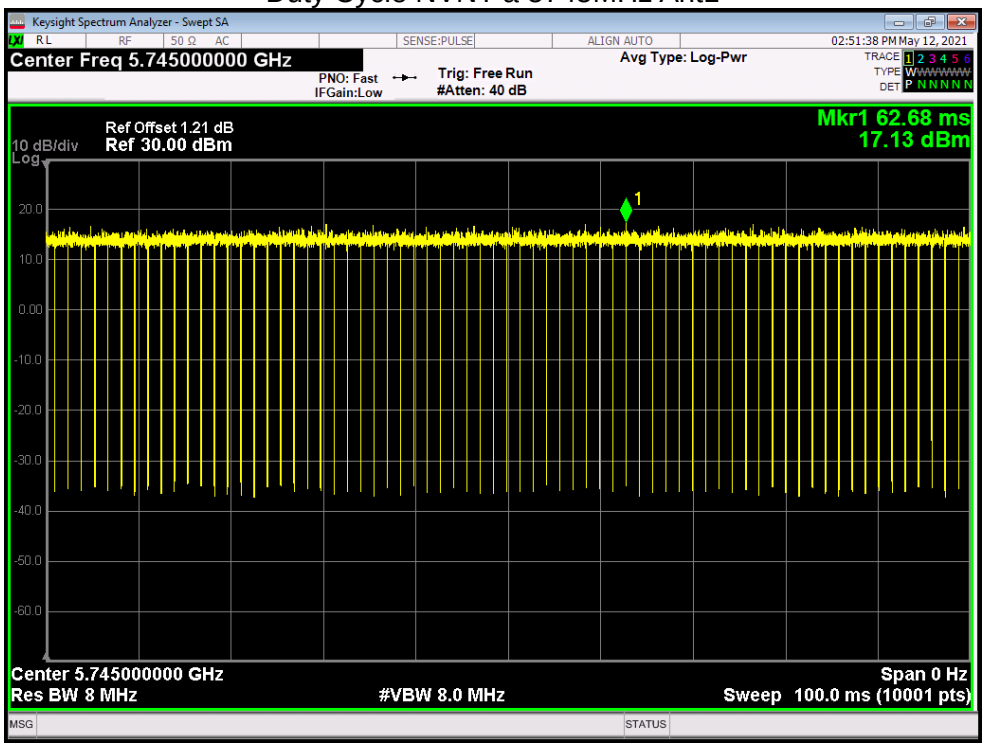


5.8G

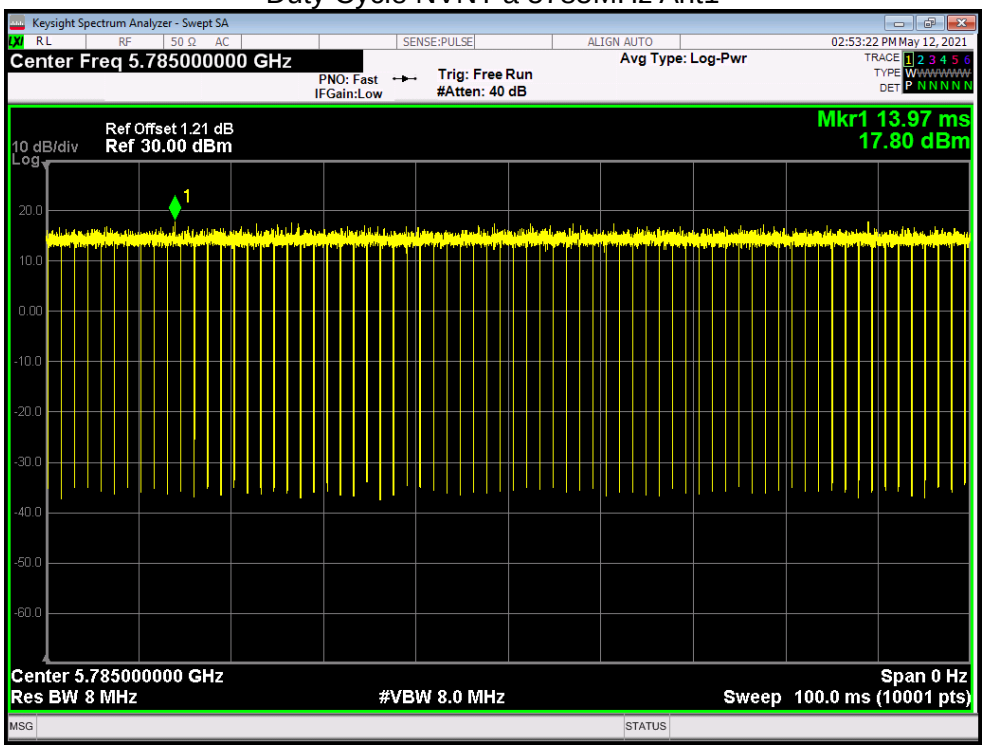
5.2.1 **DUTY CYCLE**

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	91.23	0.4
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

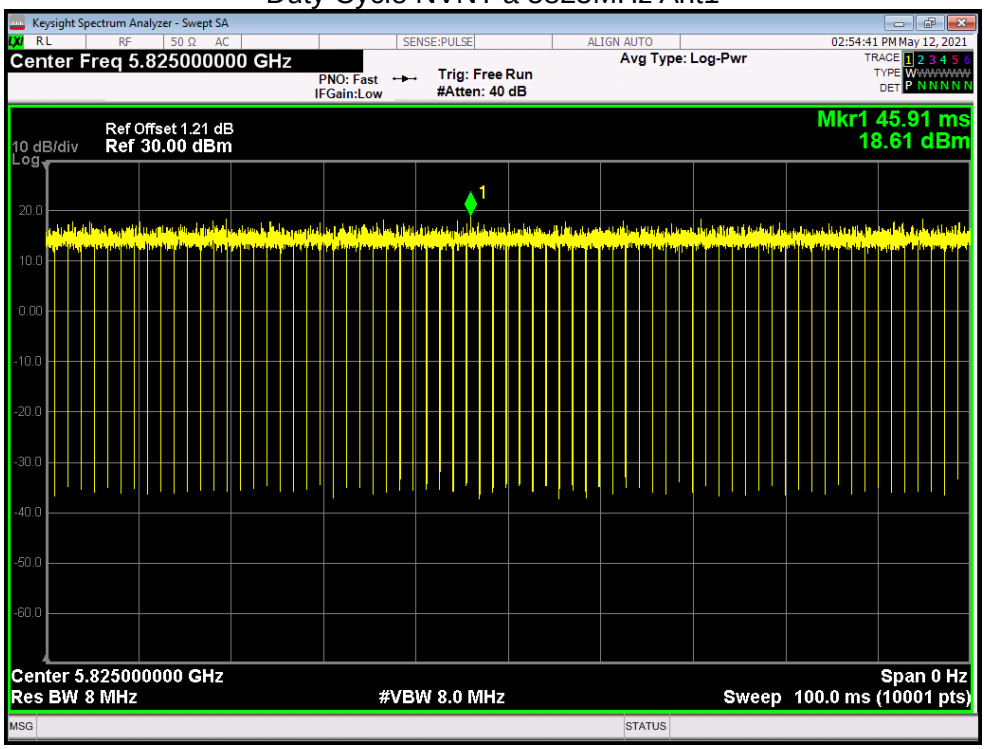
Duty Cycle NVNT a 5745MHz Ant1



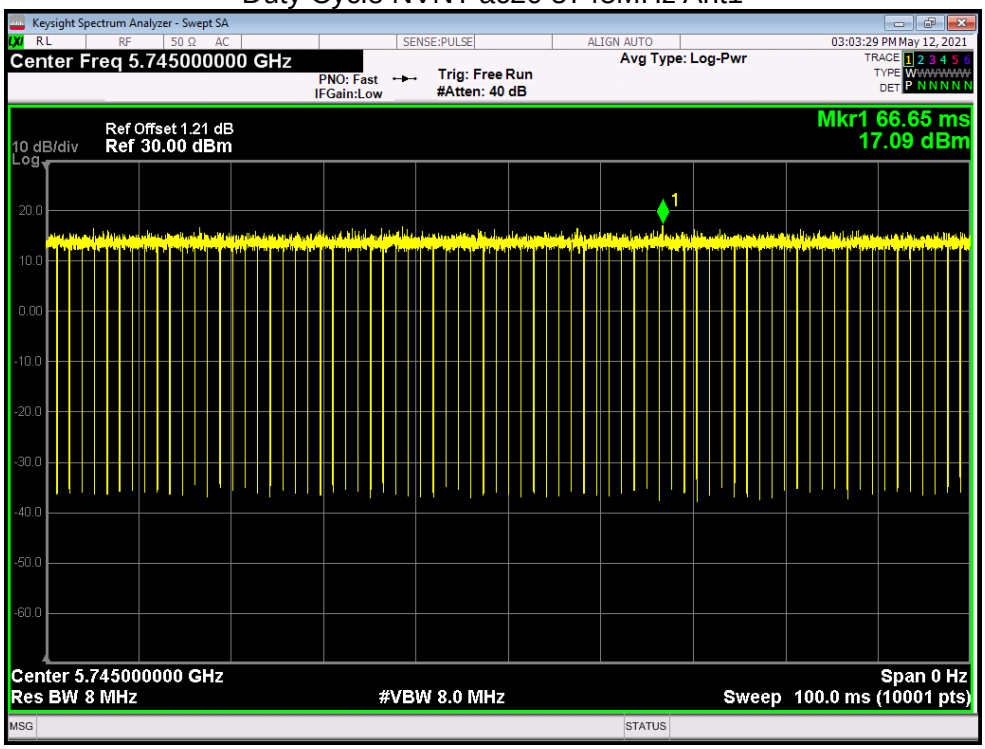
Duty Cycle NVNT a 5785MHz Ant1



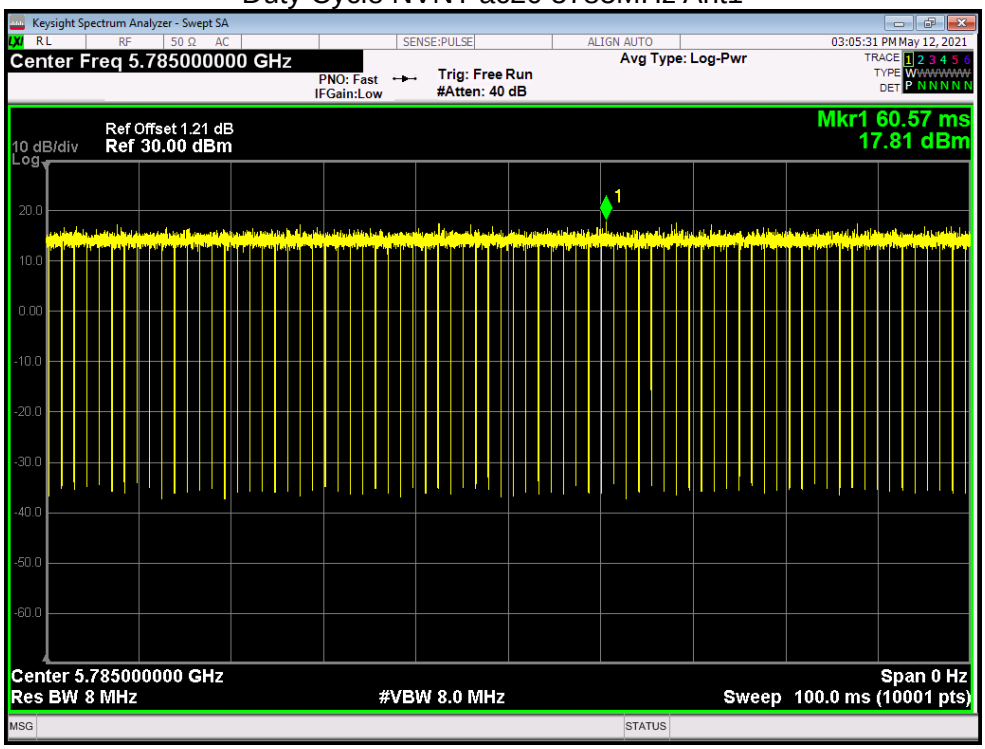
Duty Cycle NVNT a 5825MHz Ant1



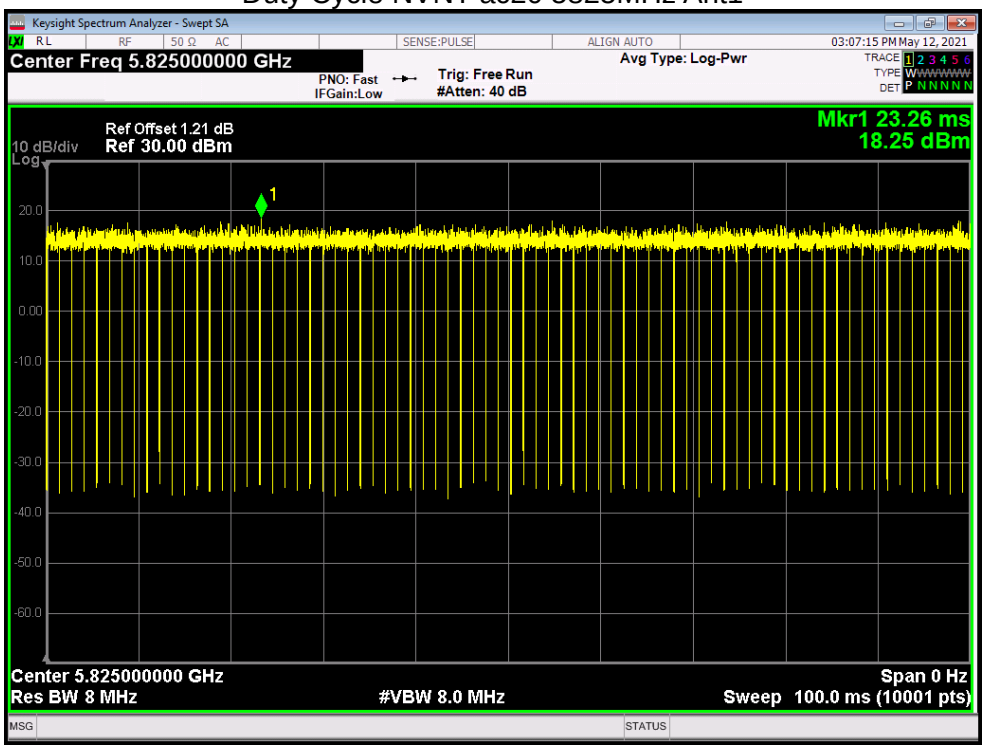
Duty Cycle NVNT ac20 5745MHz Ant1



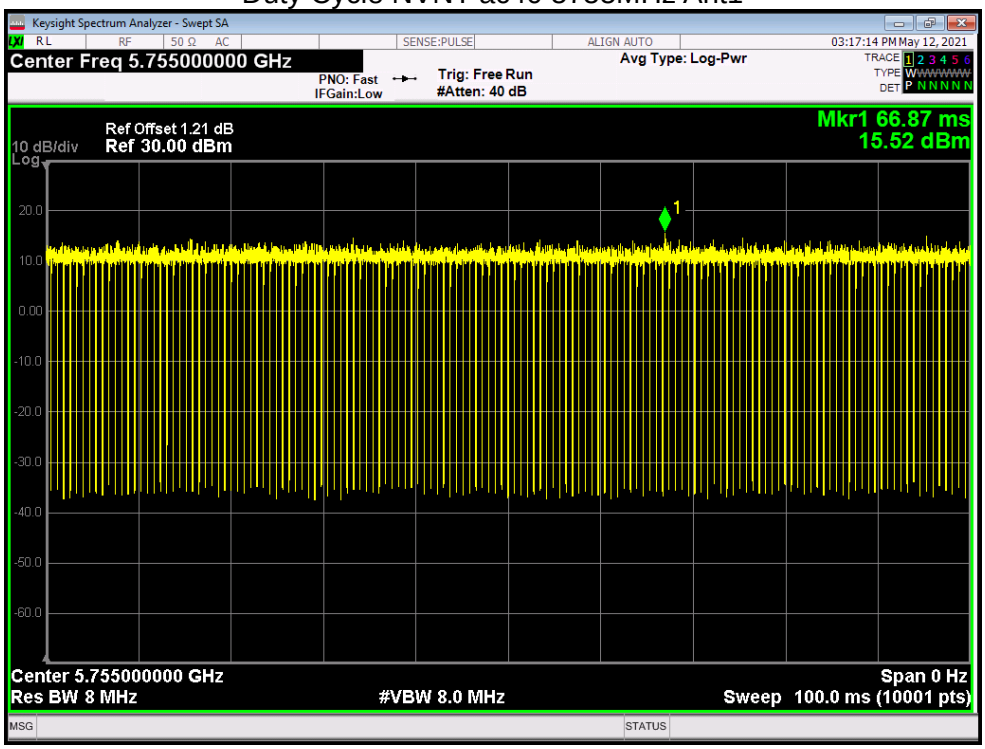
Duty Cycle NVNT ac20 5785MHz Ant1



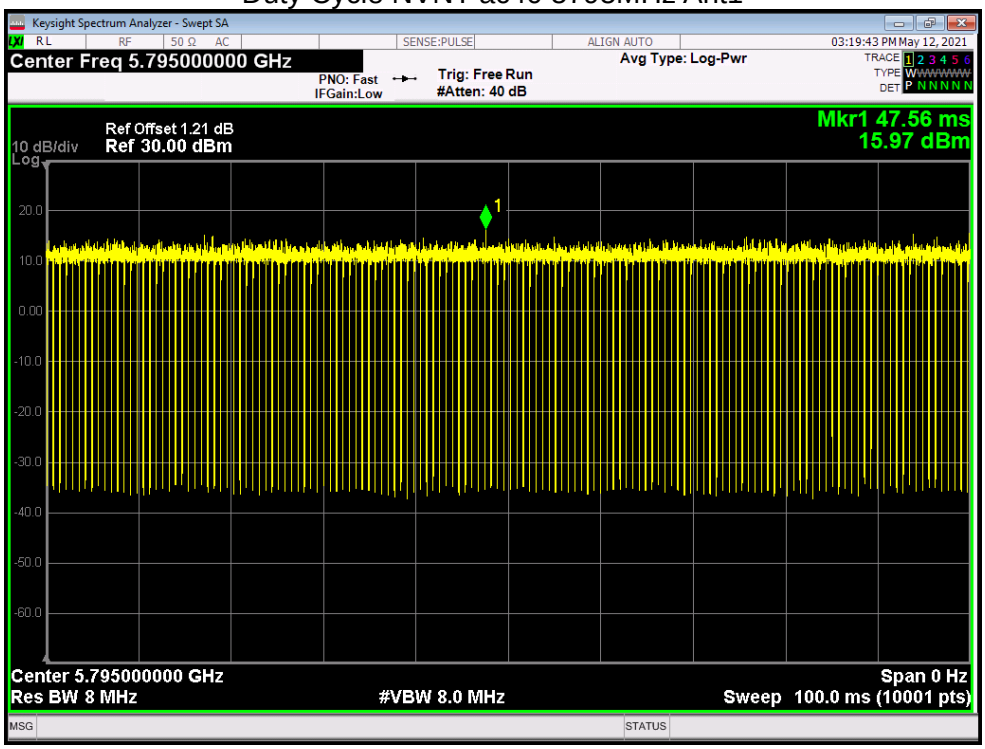
Duty Cycle NVNT ac20 5825MHz Ant1



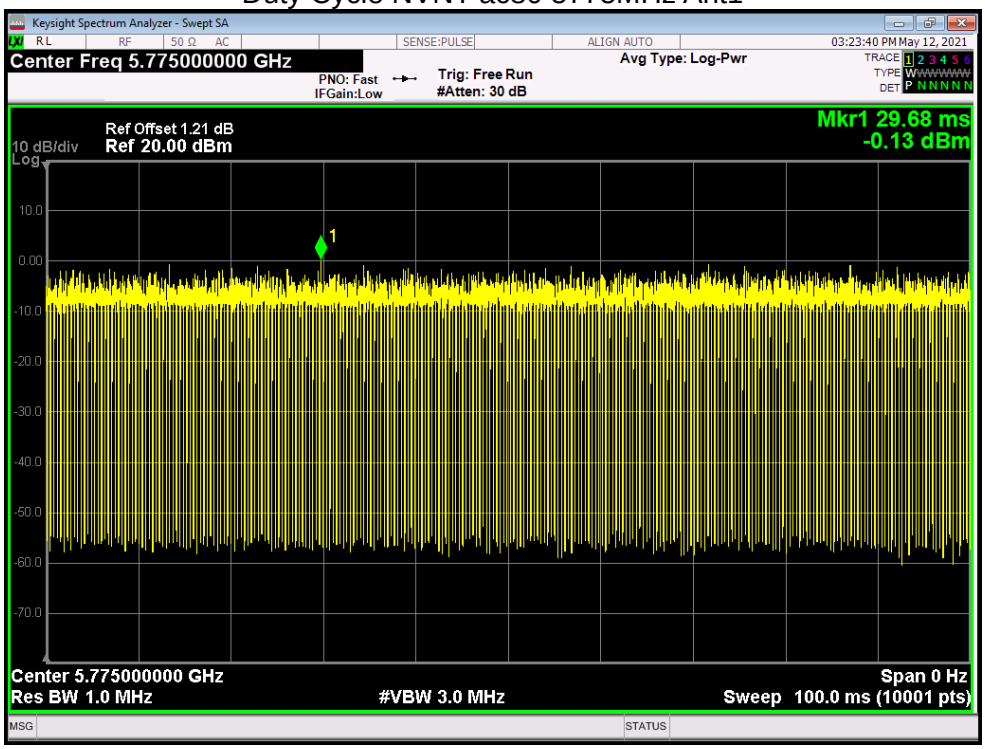
Duty Cycle NVNT ac40 5755MHz Ant1



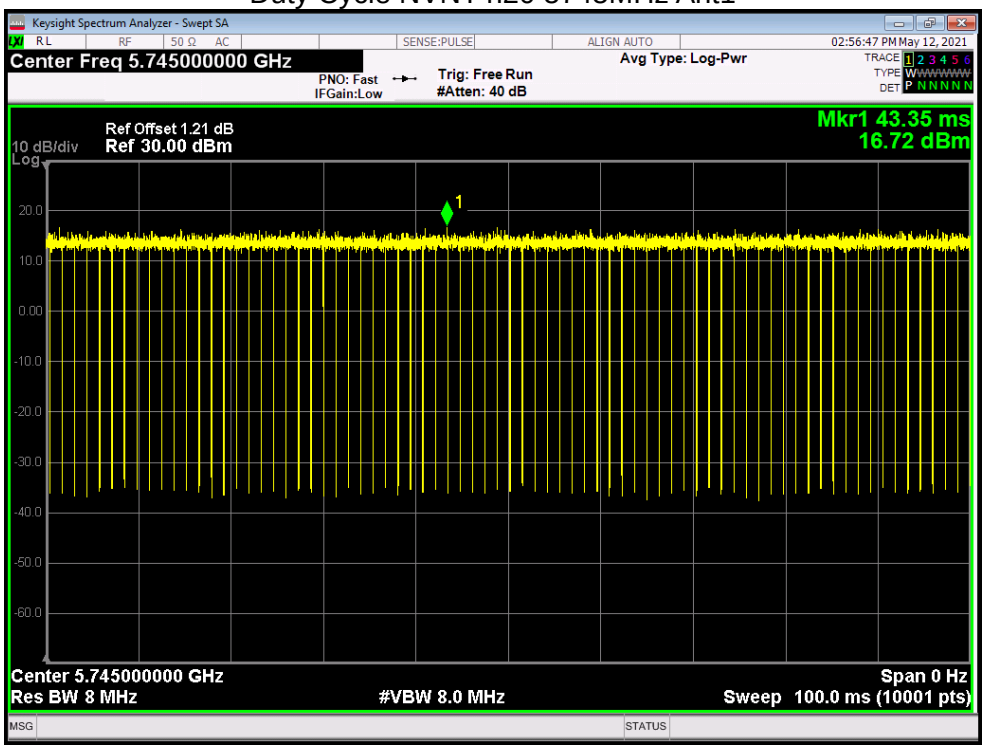
Duty Cycle NVNT ac40 5795MHz Ant1



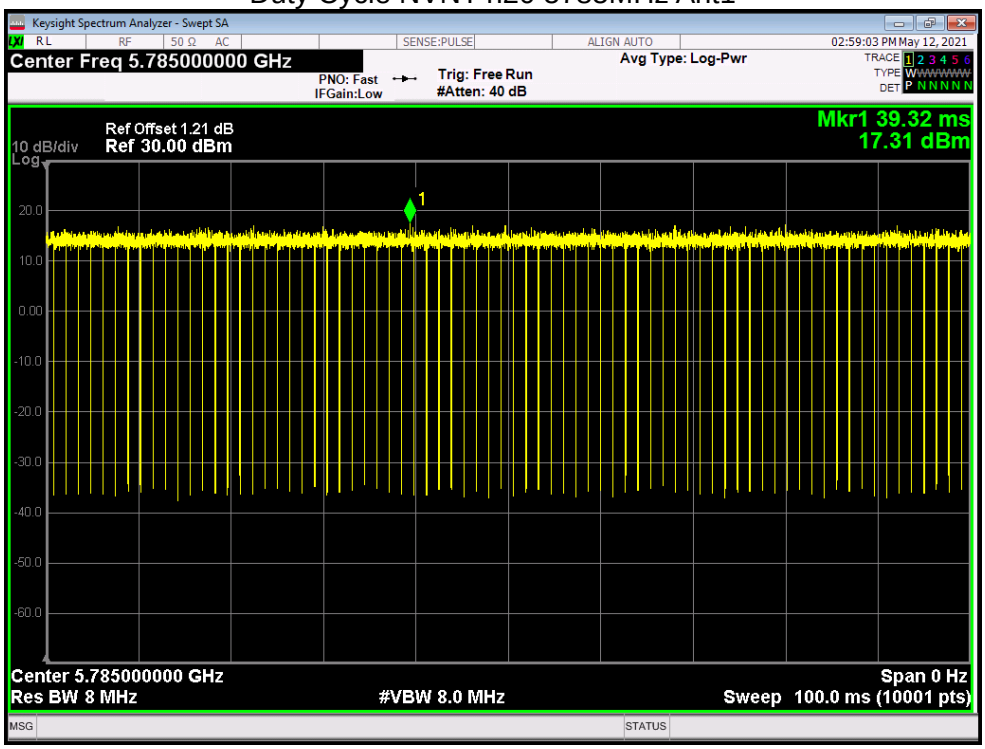
Duty Cycle NVNT ac80 5775MHz Ant1



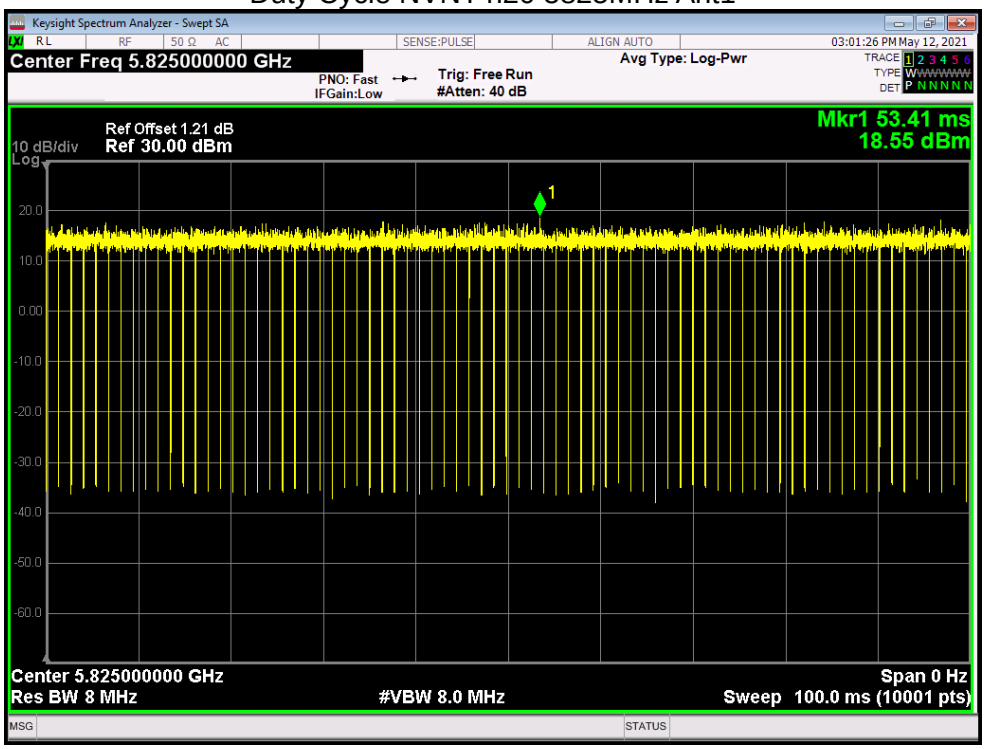
Duty Cycle NVNT n20 5745MHz Ant1



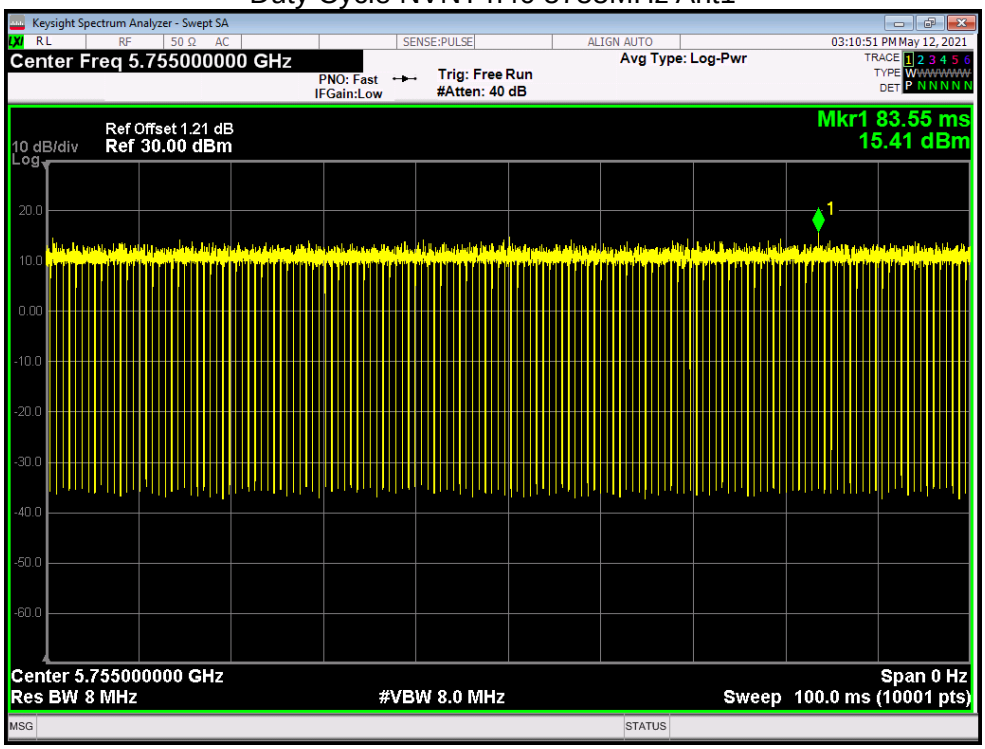
Duty Cycle NVNT n20 5785MHz Ant1



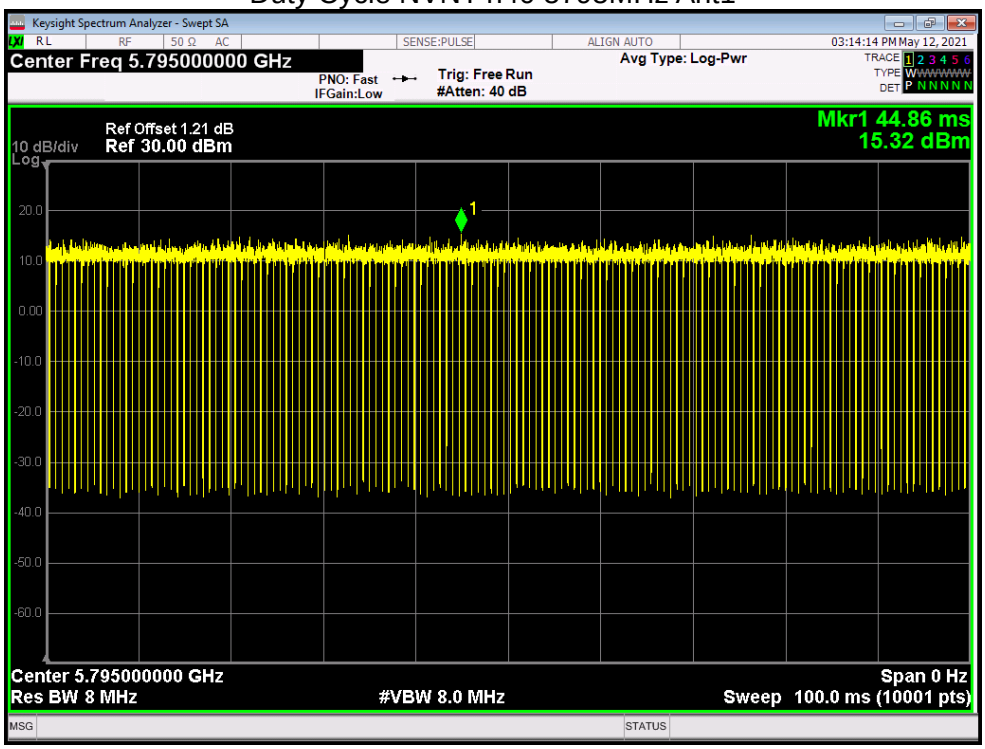
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



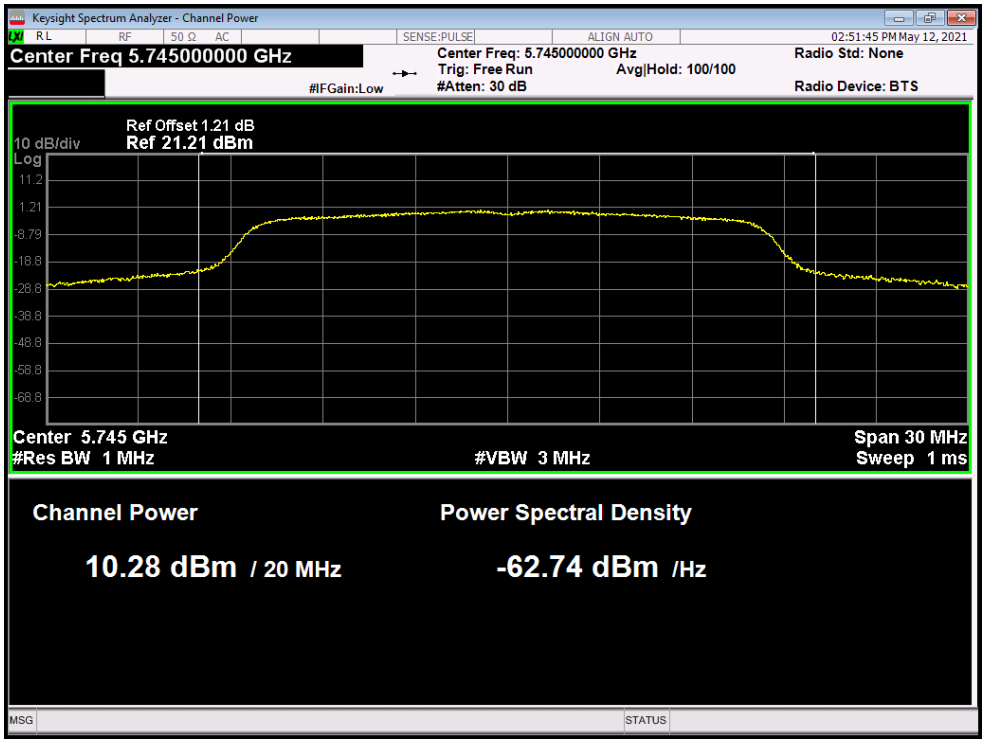
Duty Cycle NVNT n40 5795MHz Ant1



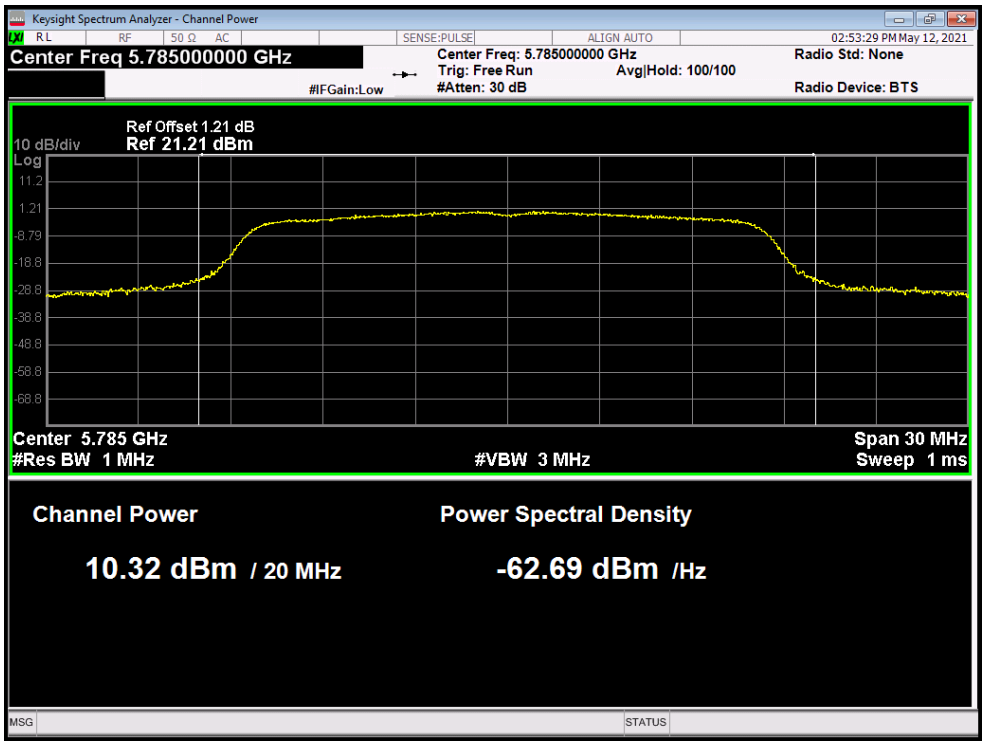
5.2.2 **MAXIMUM CONDUCTED OUTPUT POWER**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	10.275	0	10.275	30	Pass
NVNT	a	5785	Ant1	10.325	0	10.325	30	Pass
NVNT	a	5825	Ant1	9.714	0	9.714	30	Pass
NVNT	ac20	5745	Ant1	10.224	0	10.224	30	Pass
NVNT	ac20	5785	Ant1	10.239	0	10.239	30	Pass
NVNT	ac20	5825	Ant1	9.66	0	9.66	30	Pass
NVNT	ac40	5755	Ant1	9.661	0	9.661	30	Pass
NVNT	ac40	5795	Ant1	9.82	0	9.82	30	Pass
NVNT	ac80	5775	Ant1	9.048	0.4	9.448	30	Pass
NVNT	n20	5745	Ant1	9.978	0	9.978	30	Pass
NVNT	n20	5785	Ant1	10.145	0	10.145	30	Pass
NVNT	n20	5825	Ant1	9.603	0	9.603	30	Pass
NVNT	n40	5755	Ant1	9.646	0	9.646	30	Pass
NVNT	n40	5795	Ant1	9.807	0	9.807	30	Pass

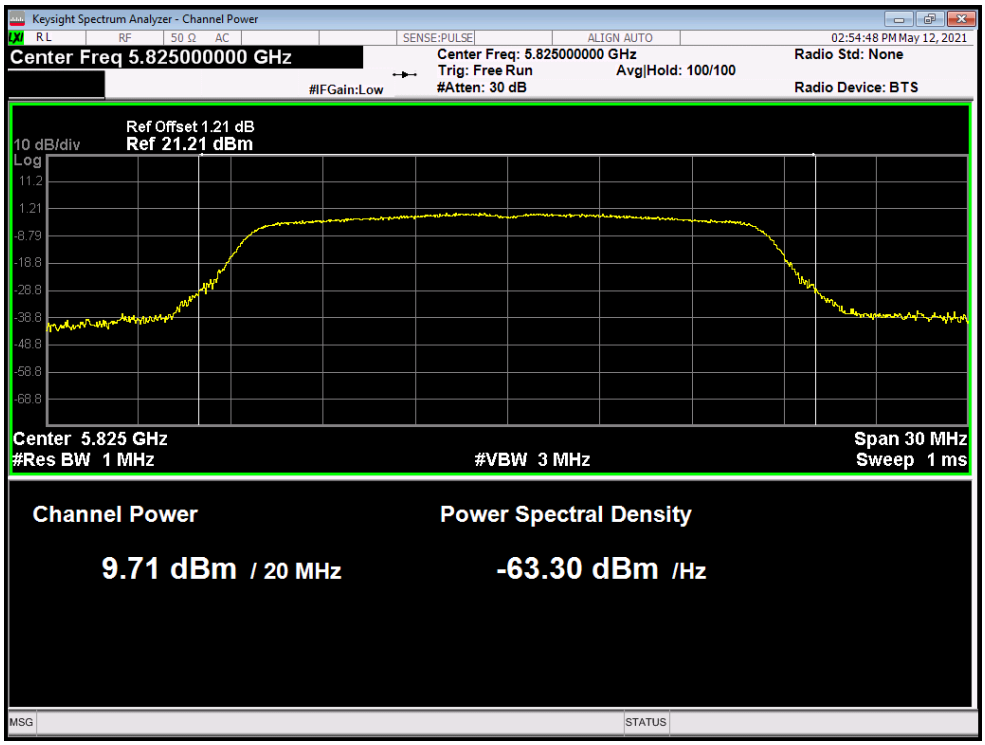
Power NVNT a 5745MHz Ant1



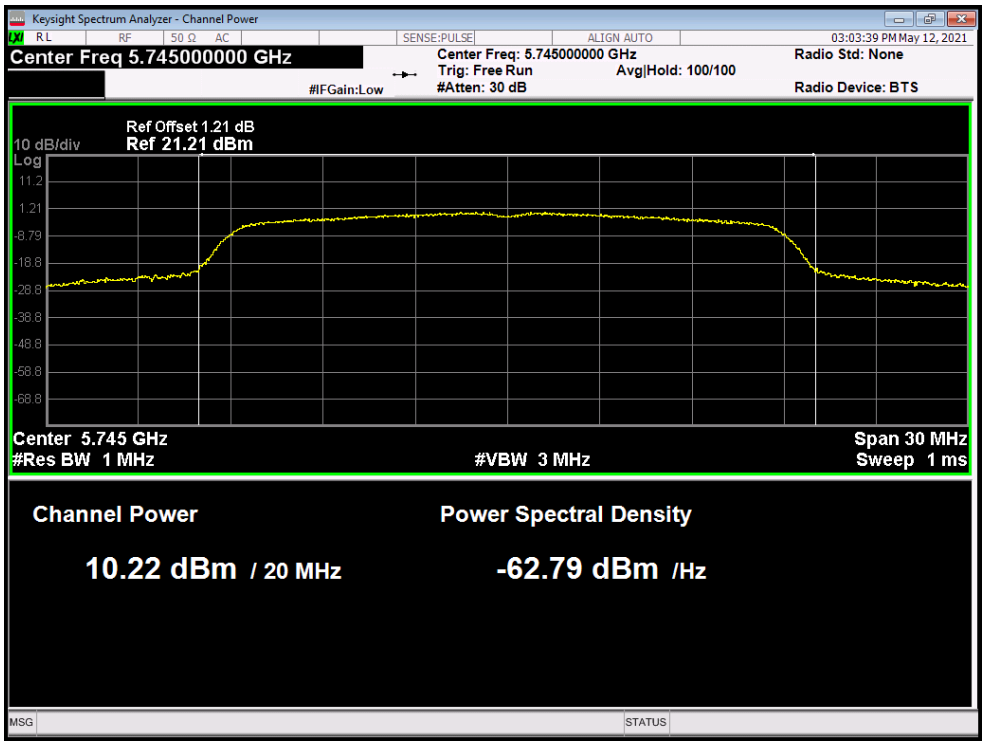
Power NVNT a 5785MHz Ant1



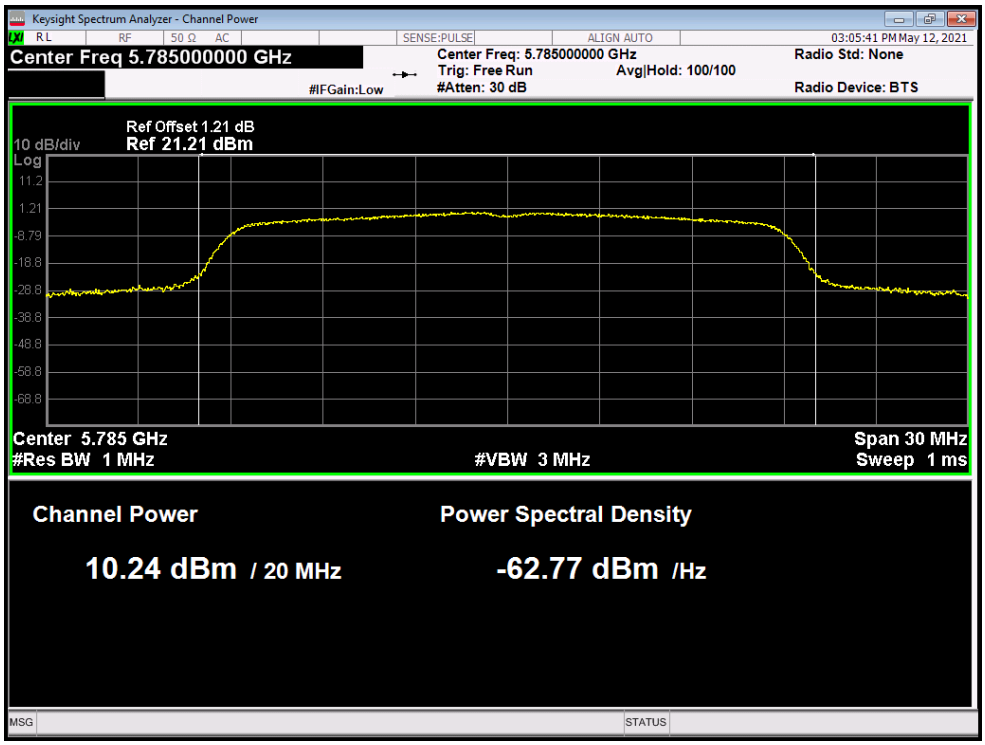
Power NVNT a 5825MHz Ant1



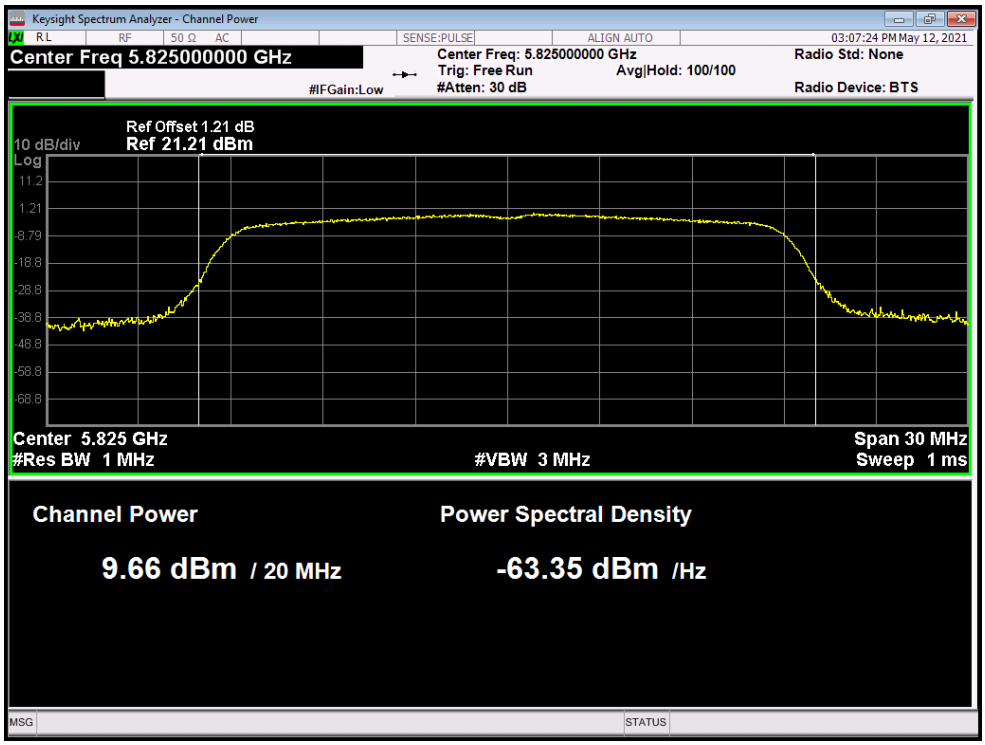
Power NVNT ac20 5745MHz Ant1



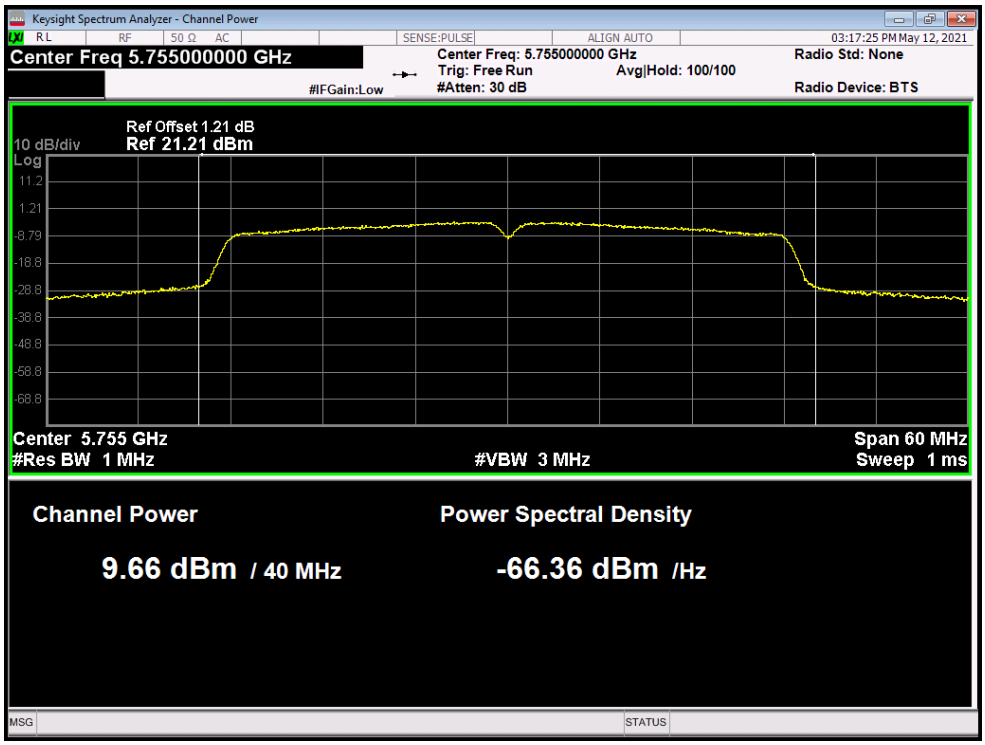
Power NVNT ac20 5785MHz Ant1



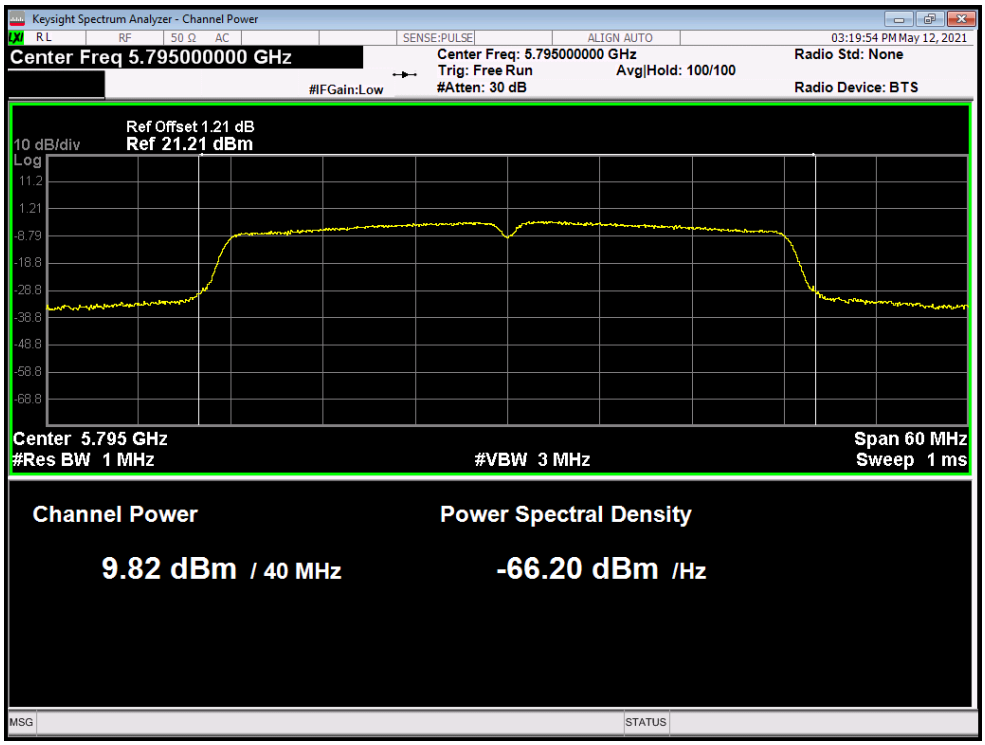
Power NVNT ac20 5825MHz Ant1



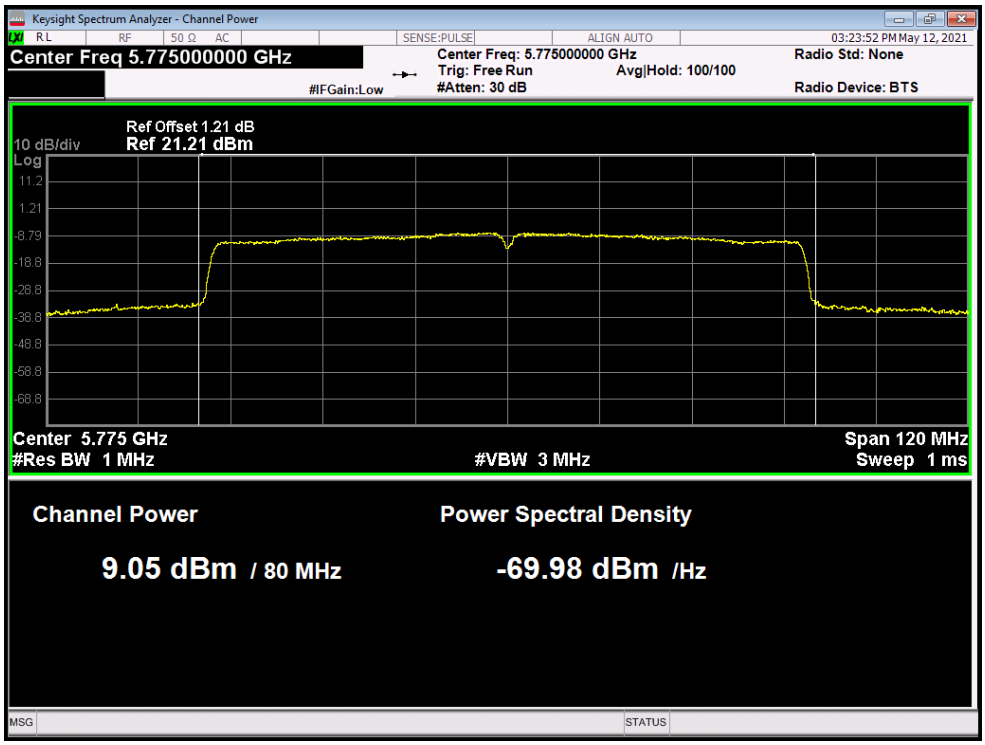
Power NVNT ac40 5755MHz Ant1



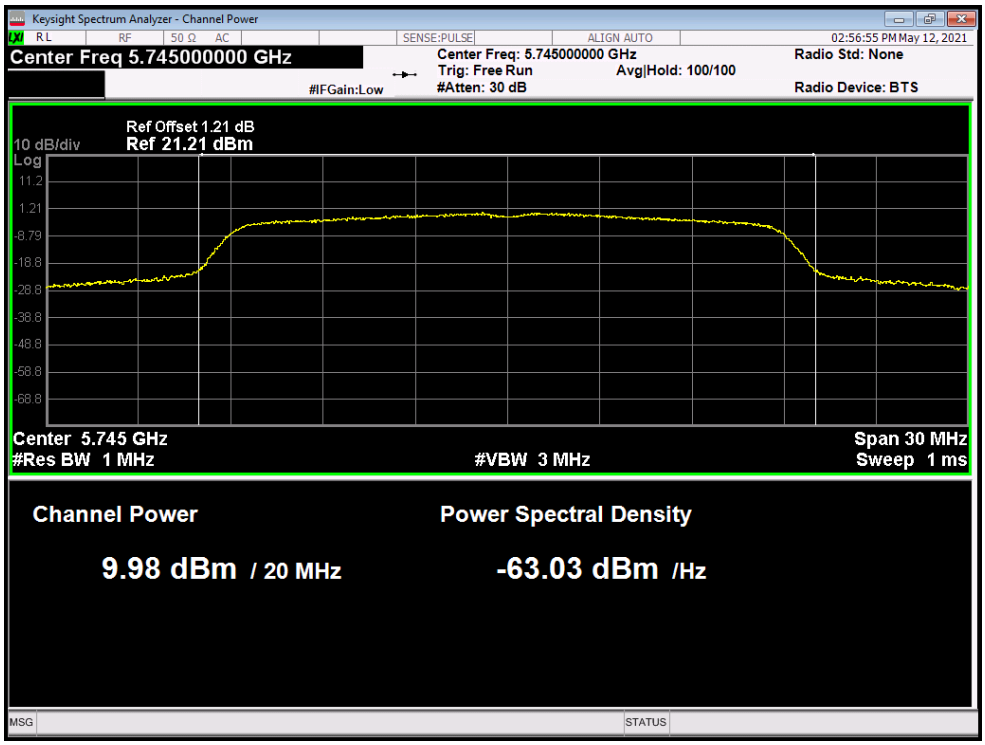
Power NVNT ac40 5795MHz Ant1



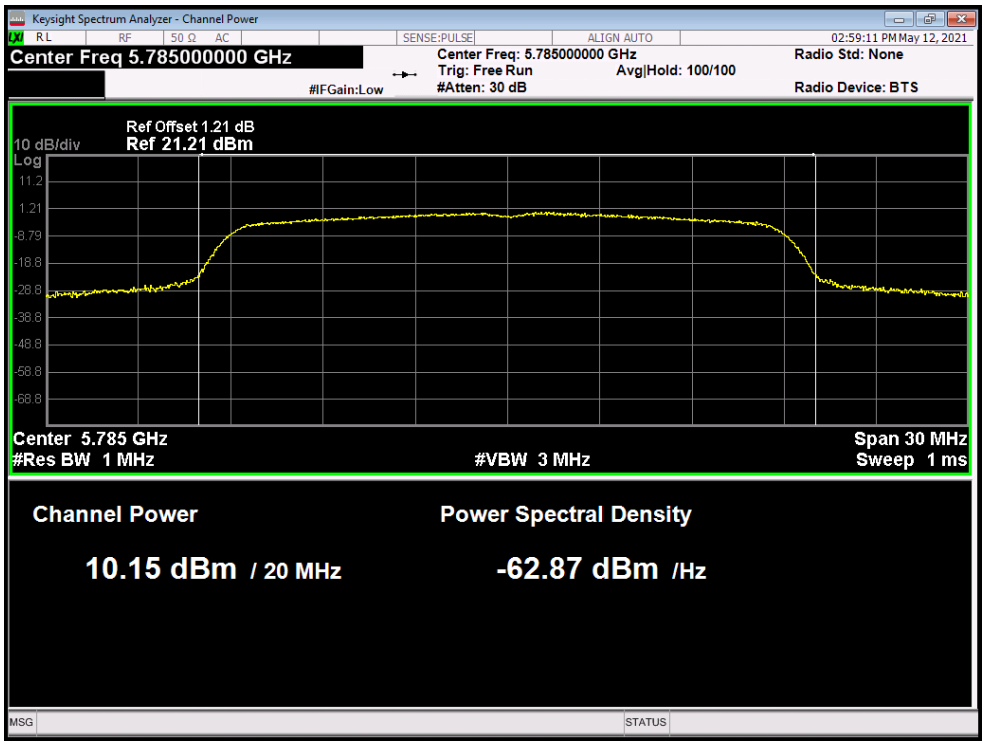
Power NVNT ac80 5775MHz Ant1



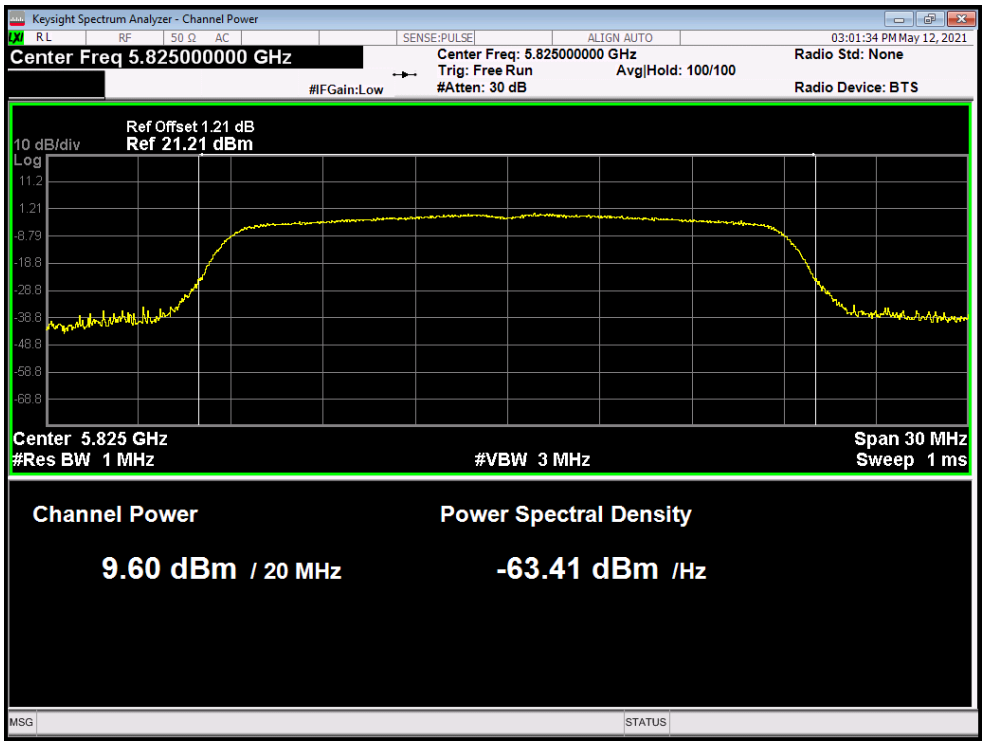
Power NVNT n20 5745MHz Ant1



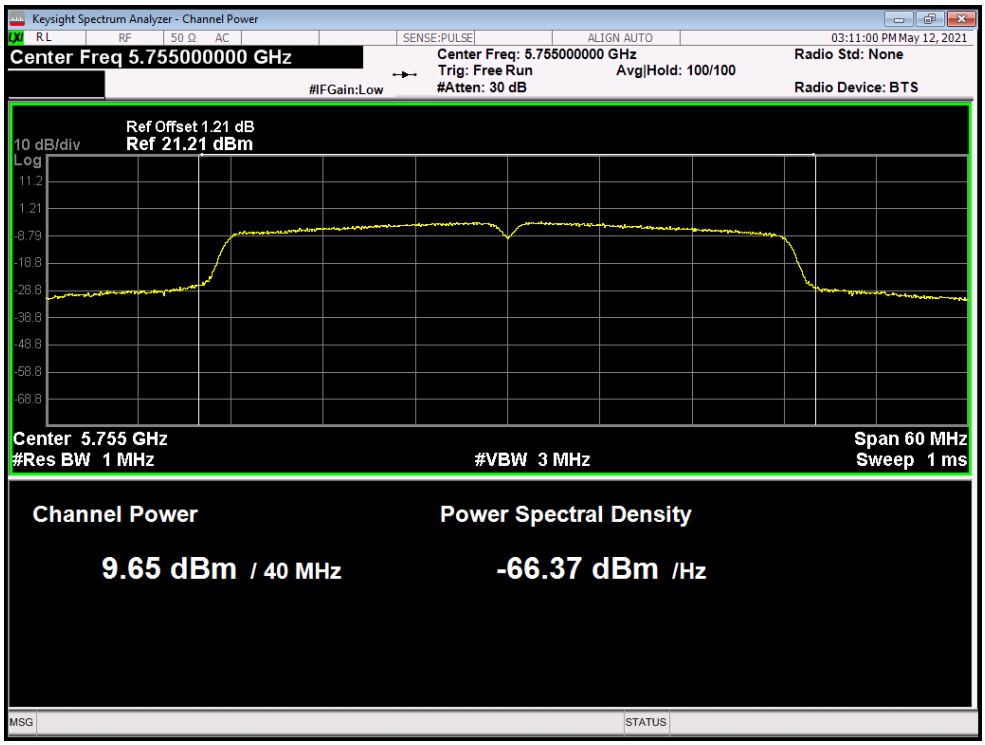
Power NVNT n20 5785MHz Ant1



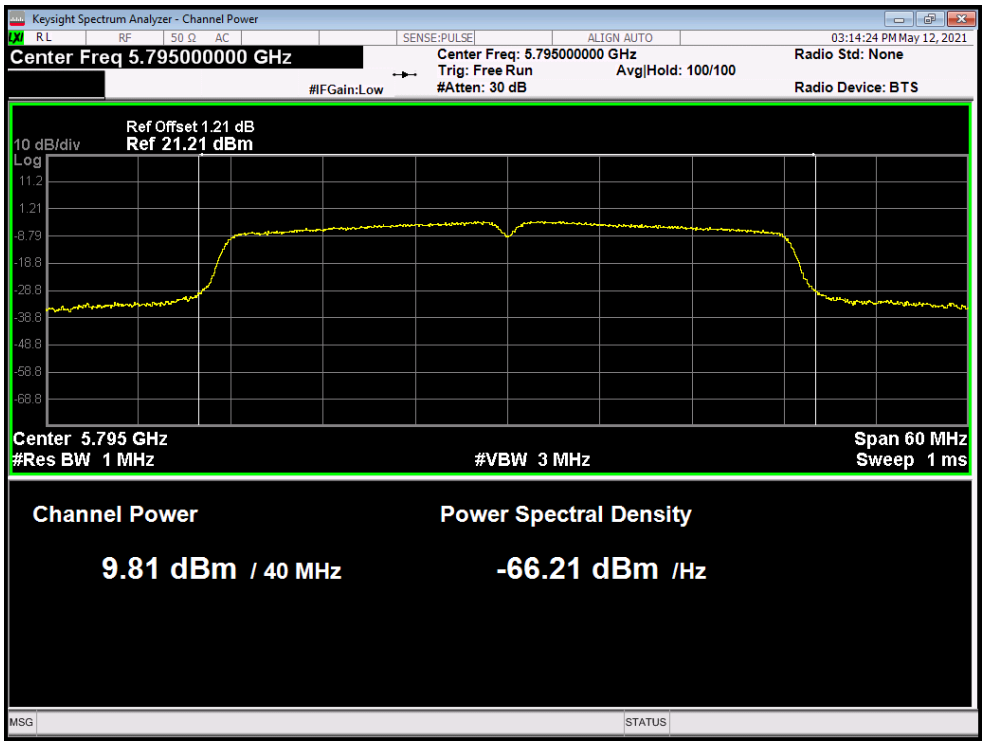
Power NVNT n20 5825MHz Ant1



Power NVNT n40 5755MHz Ant1



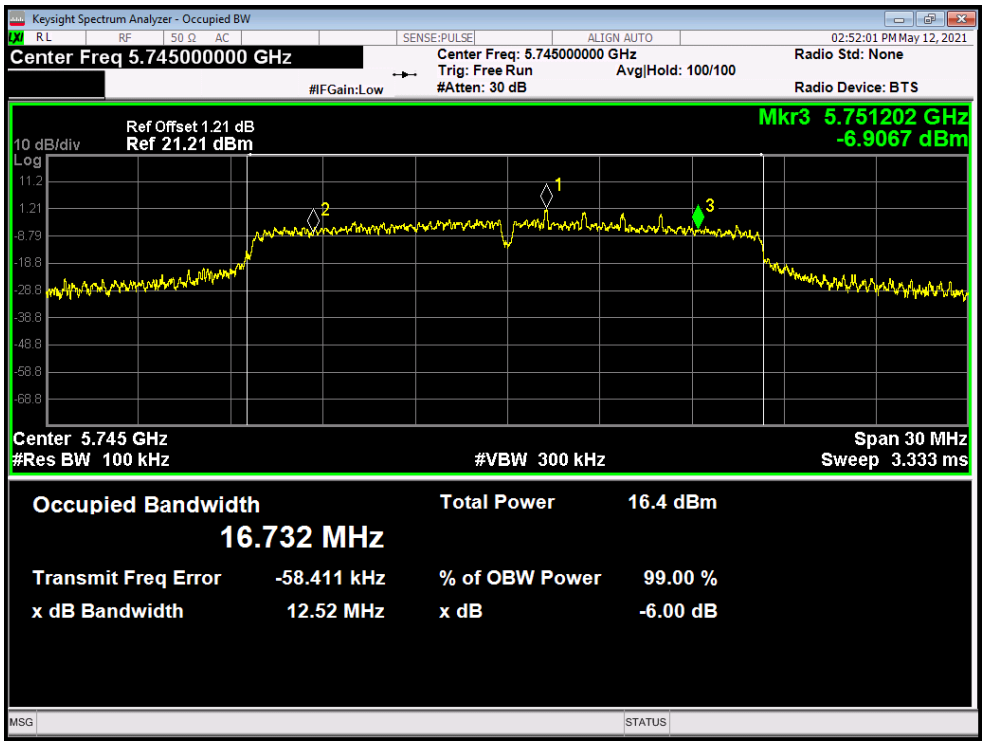
Power NVNT n40 5795MHz Ant1



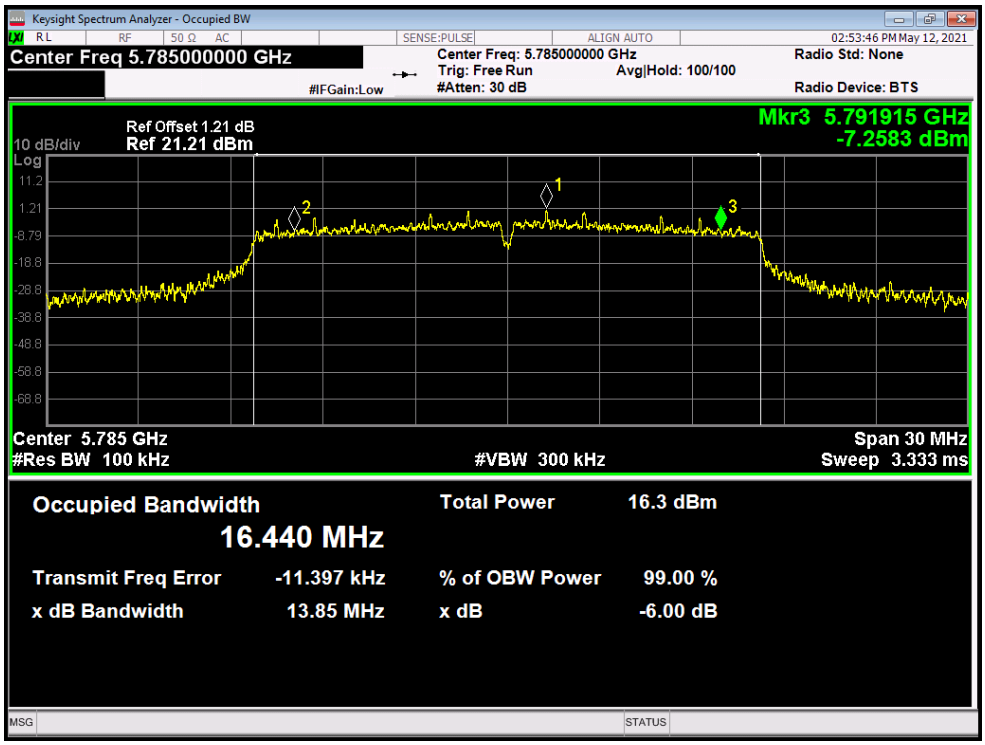
5.2.3 -6DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	12.521	0.5	Pass
NVNT	a	5785	Ant1	13.853	0.5	Pass
NVNT	a	5825	Ant1	15.1	0.5	Pass
NVNT	ac20	5745	Ant1	11.575	0.5	Pass
NVNT	ac20	5785	Ant1	14.397	0.5	Pass
NVNT	ac20	5825	Ant1	13.72	0.5	Pass
NVNT	ac40	5755	Ant1	33.876	0.5	Pass
NVNT	ac40	5795	Ant1	35.093	0.5	Pass
NVNT	ac80	5775	Ant1	75.123	0.5	Pass
NVNT	n20	5745	Ant1	14.65	0.5	Pass
NVNT	n20	5785	Ant1	14.441	0.5	Pass
NVNT	n20	5825	Ant1	15.431	0.5	Pass
NVNT	n40	5755	Ant1	35.03	0.5	Pass
NVNT	n40	5795	Ant1	35.076	0.5	Pass

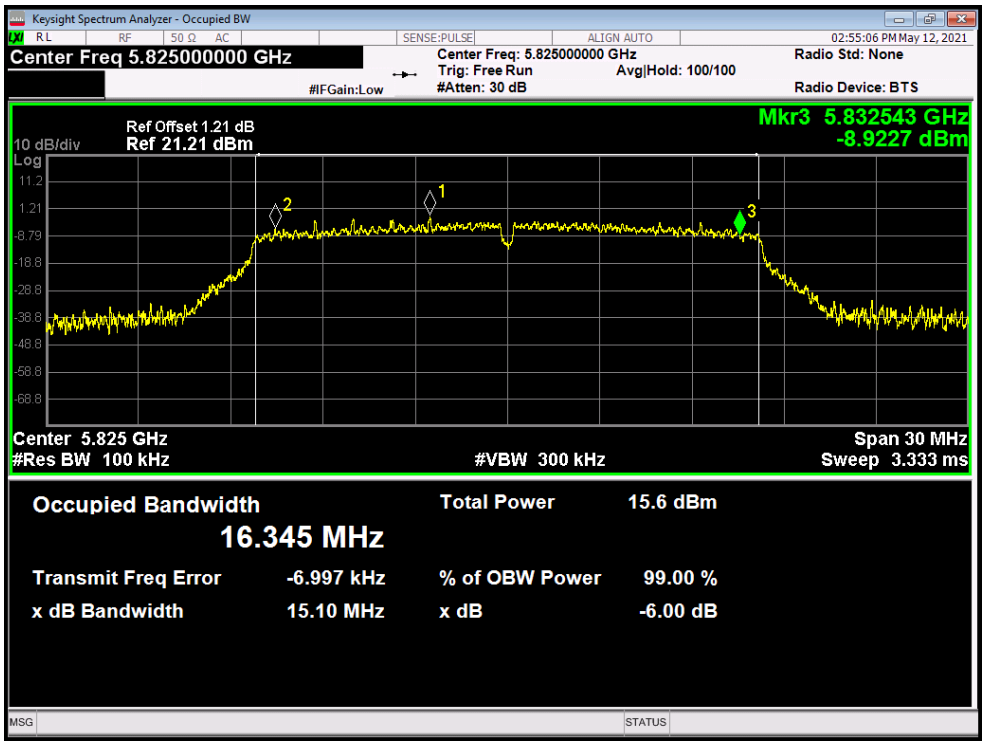
-6dB Bandwidth NVNT a 5745MHz Ant1



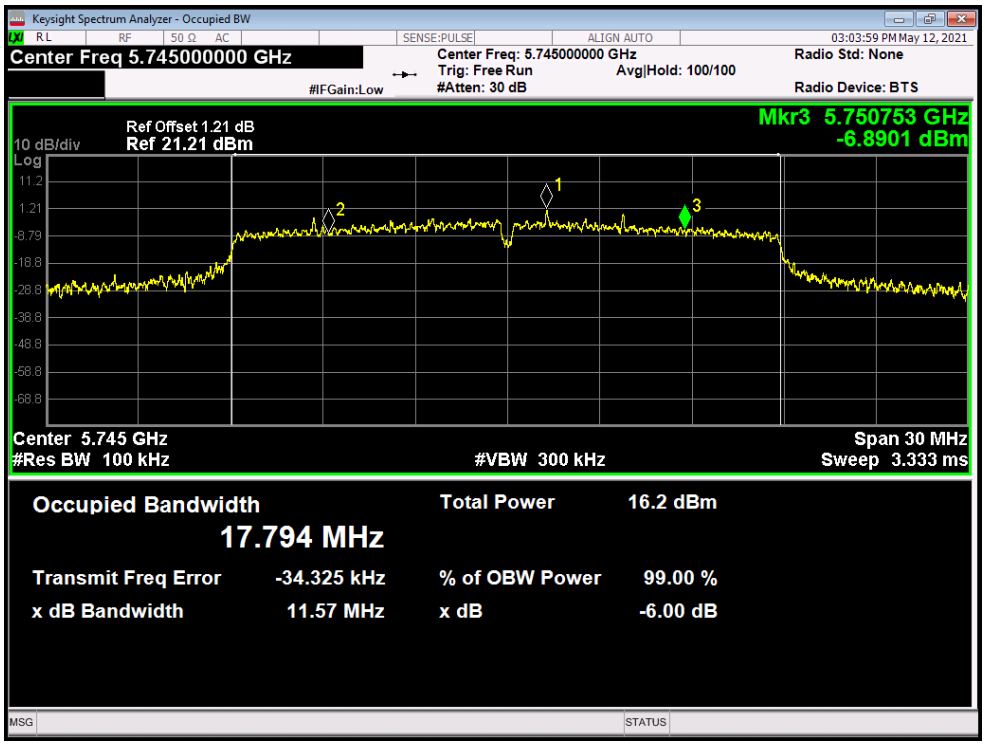
-6dB Bandwidth NVNT a 5785MHz Ant1



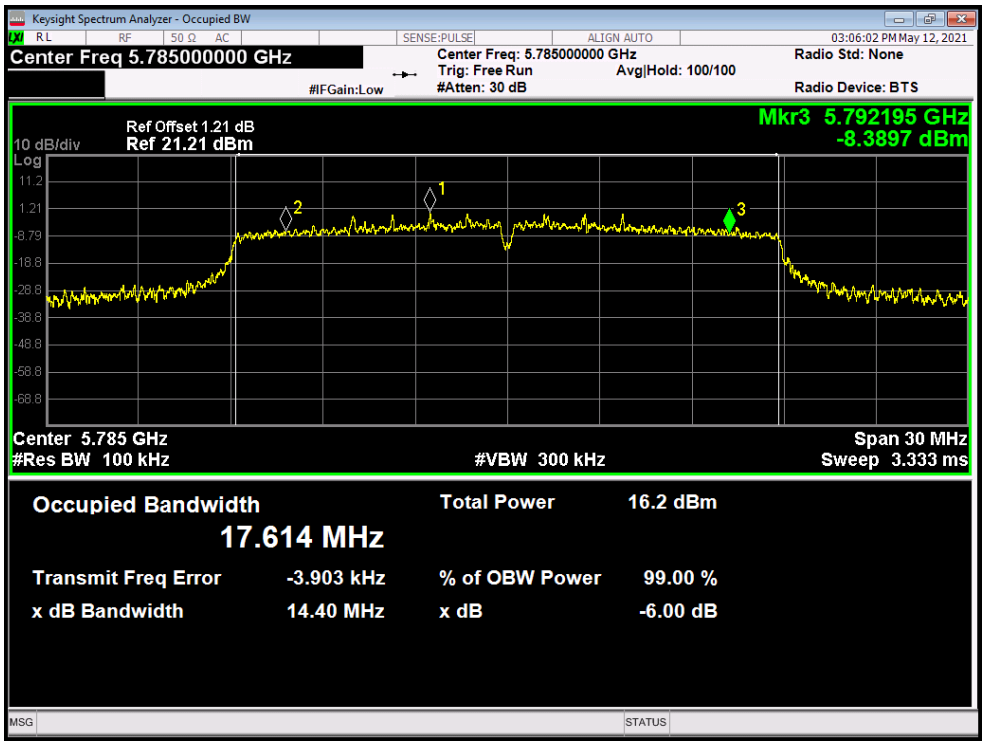
-6dB Bandwidth NVNT a 5825MHz Ant1



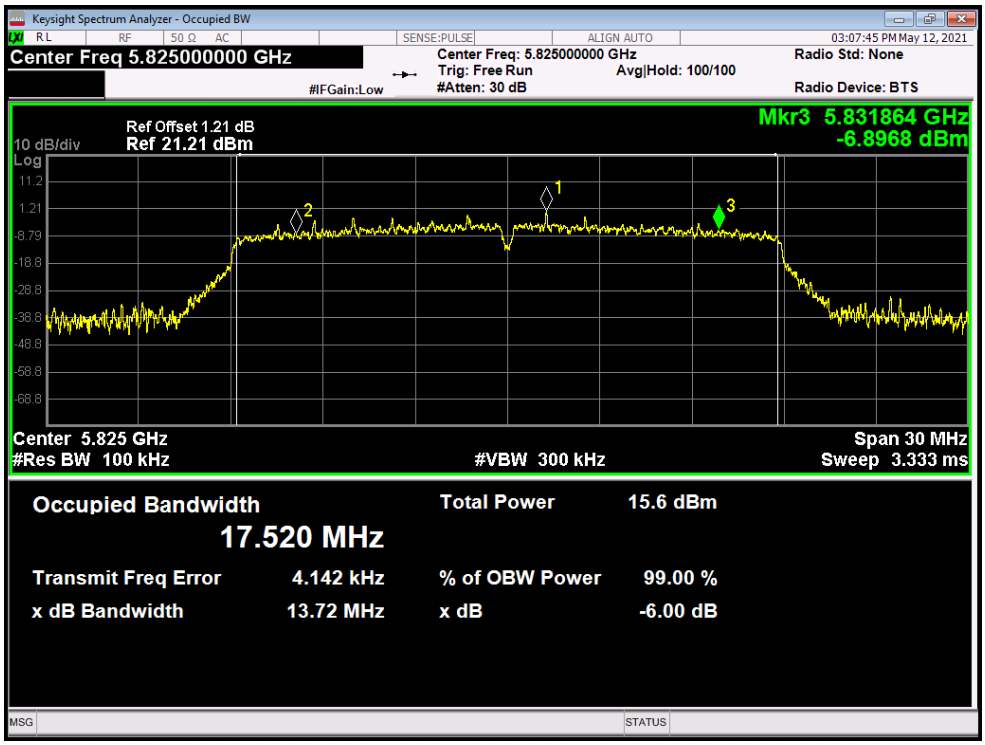
-6dB Bandwidth NVNT ac20 5745MHz Ant1



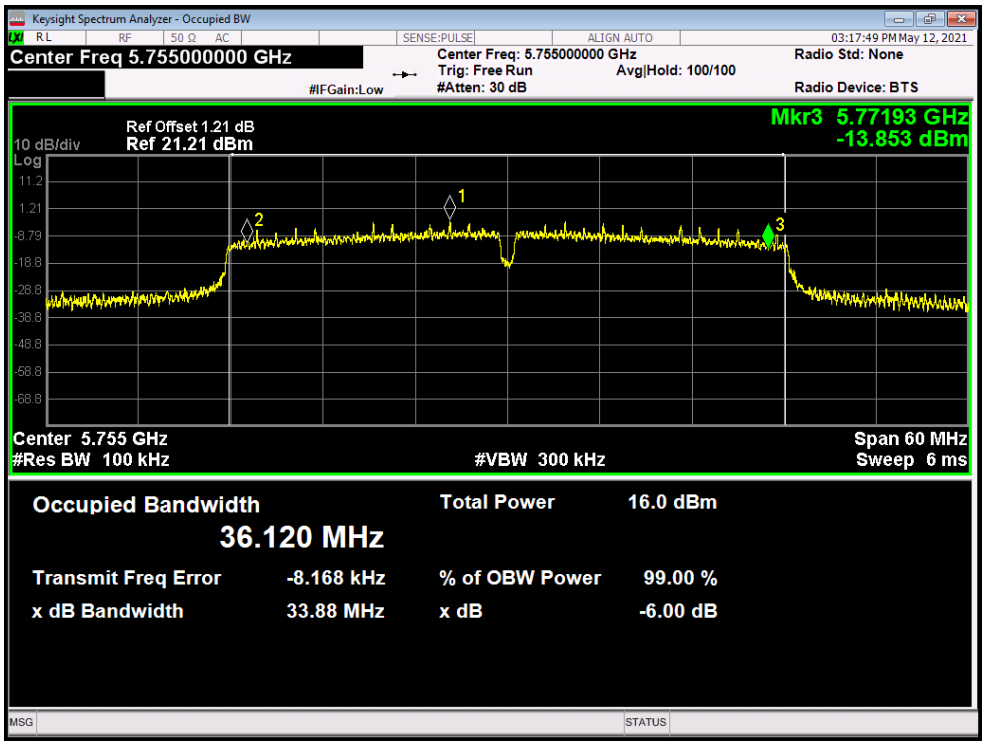
-6dB Bandwidth NVNT ac20 5785MHz Ant1



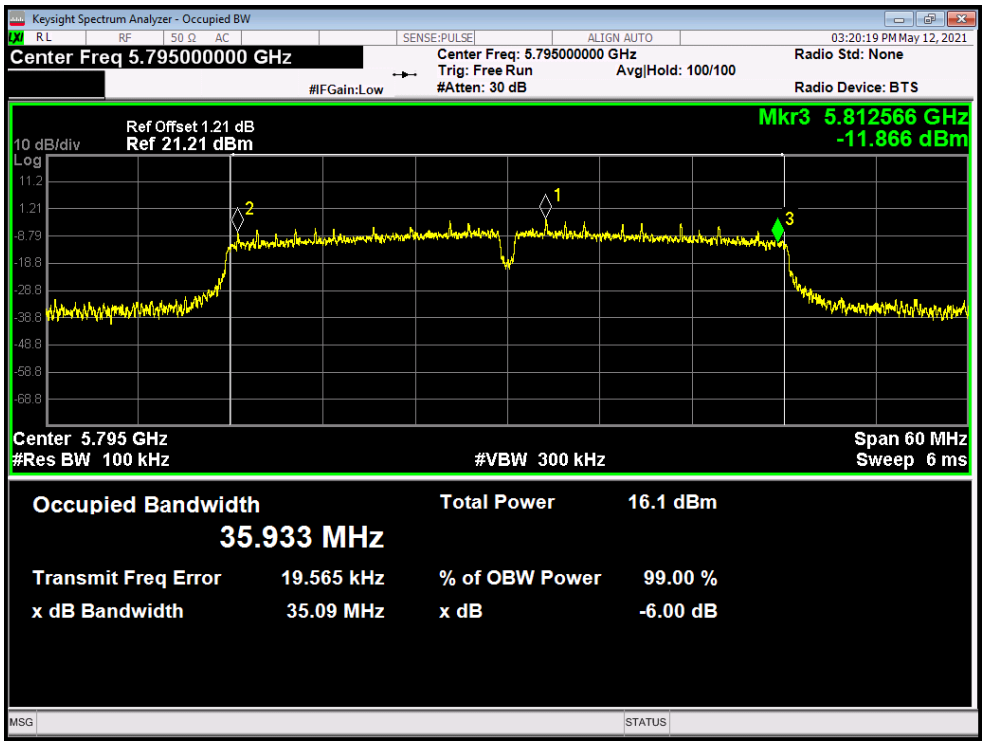
-6dB Bandwidth NVNT ac20 5825MHz Ant1



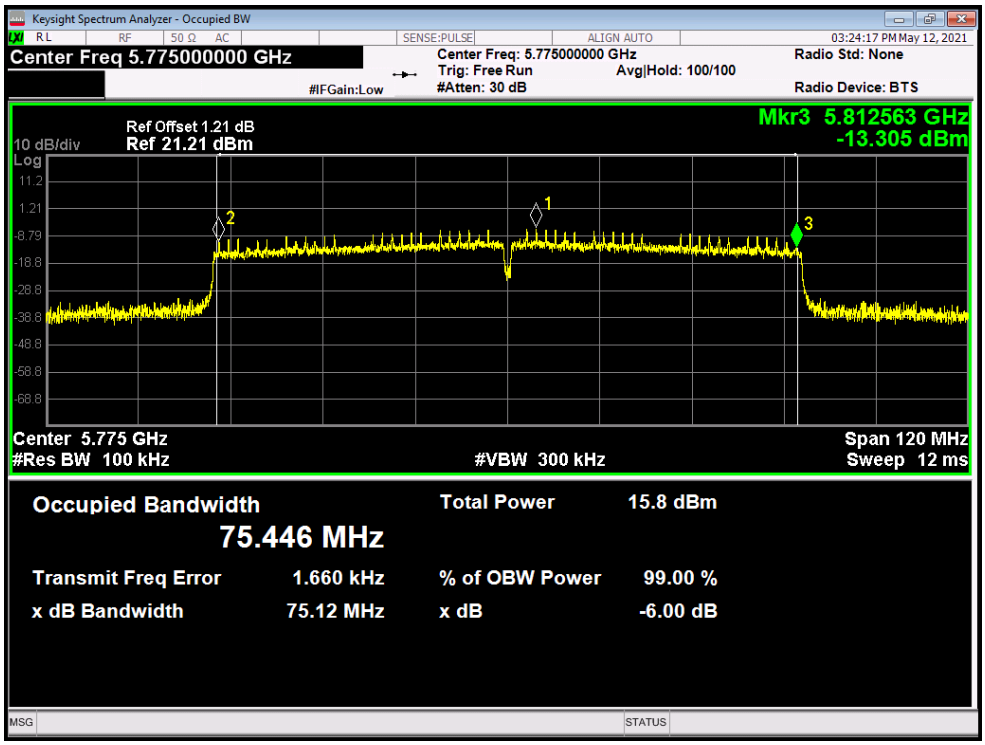
-6dB Bandwidth NVNT ac40 5755MHz Ant1



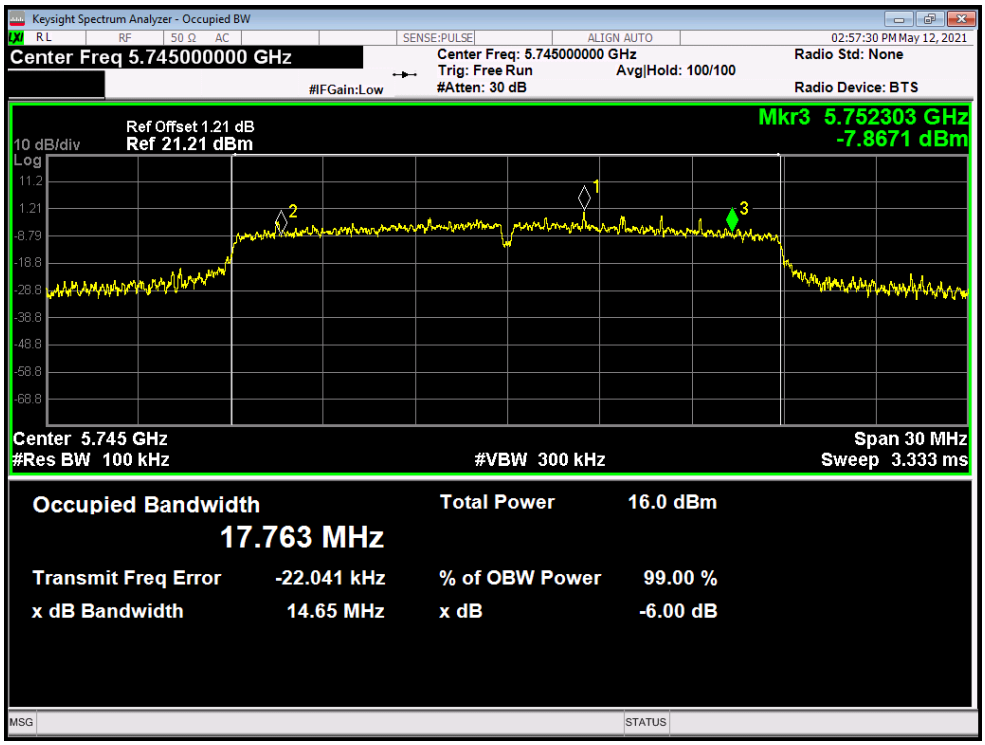
-6dB Bandwidth NVNT ac40 5795MHz Ant1



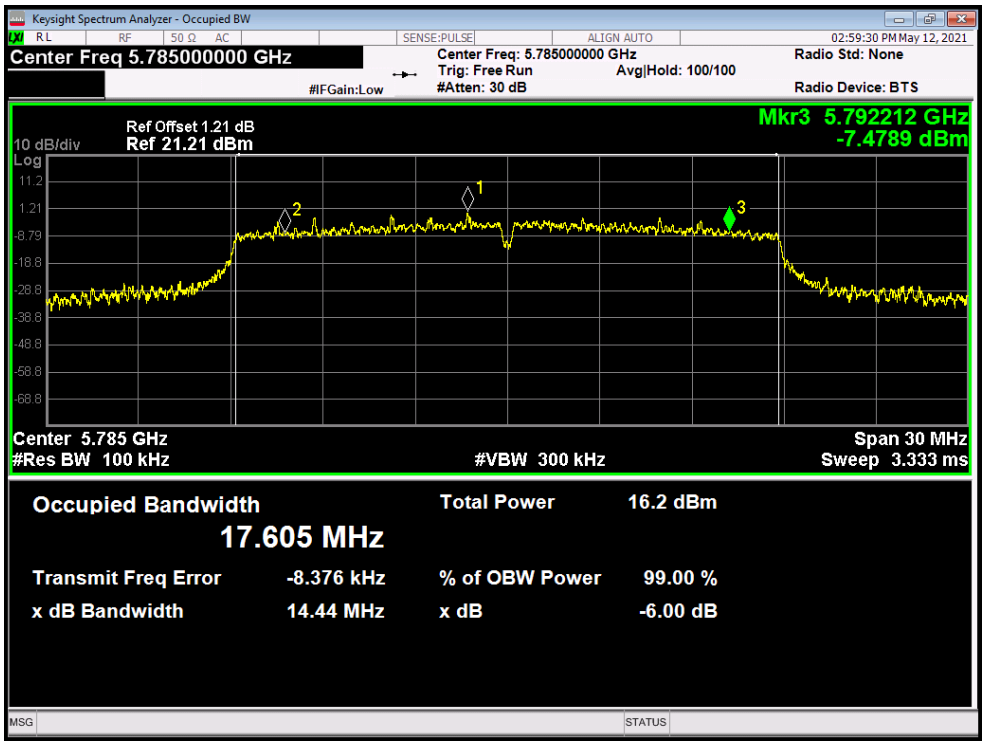
-6dB Bandwidth NVNT ac80 5775MHz Ant1



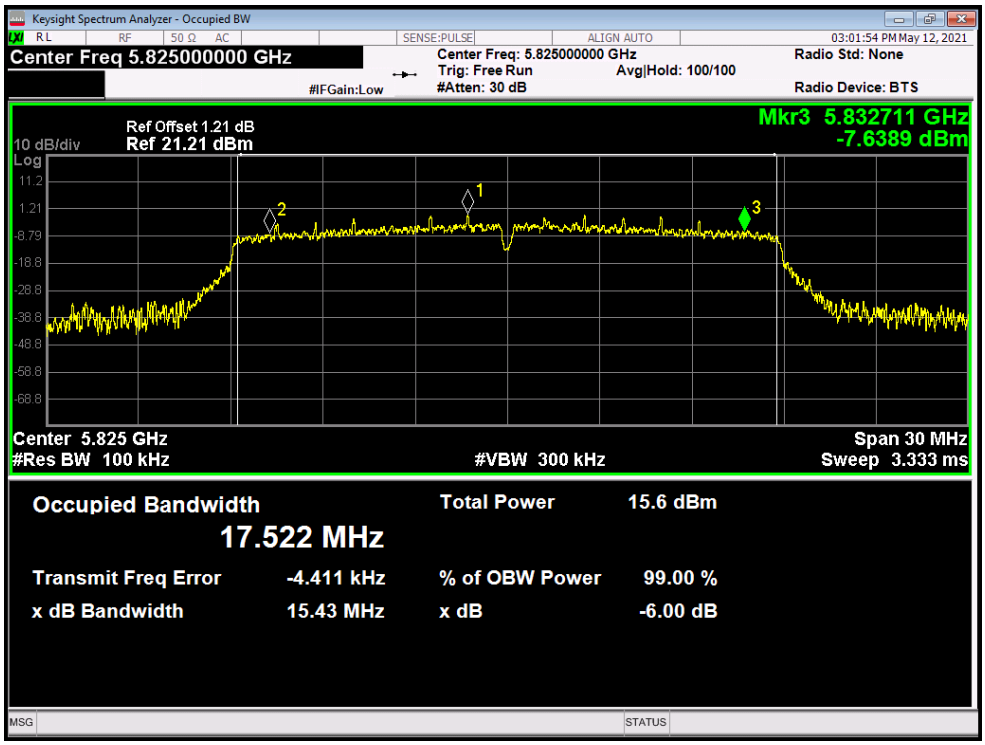
-6dB Bandwidth NVNT n20 5745MHz Ant1



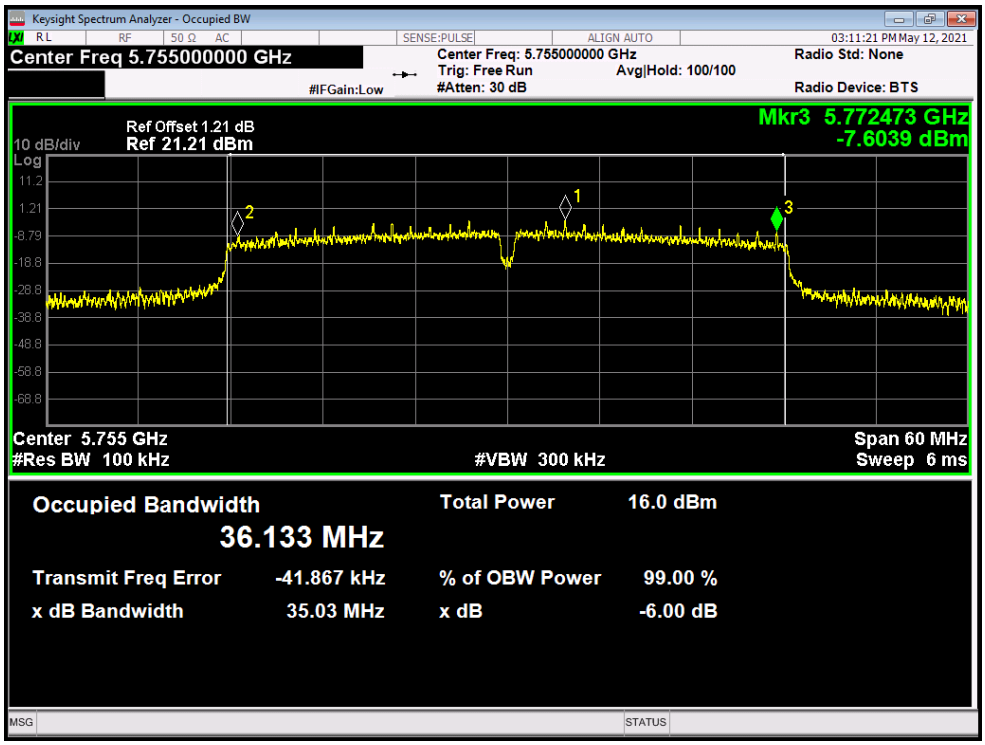
-6dB Bandwidth NVNT n20 5785MHz Ant1



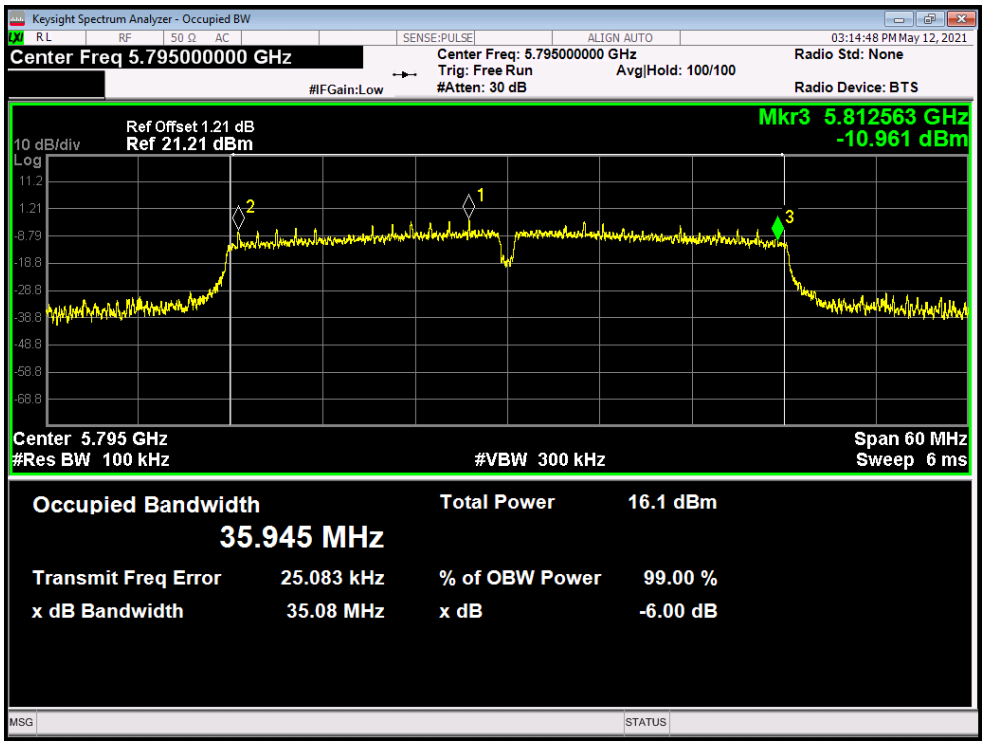
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



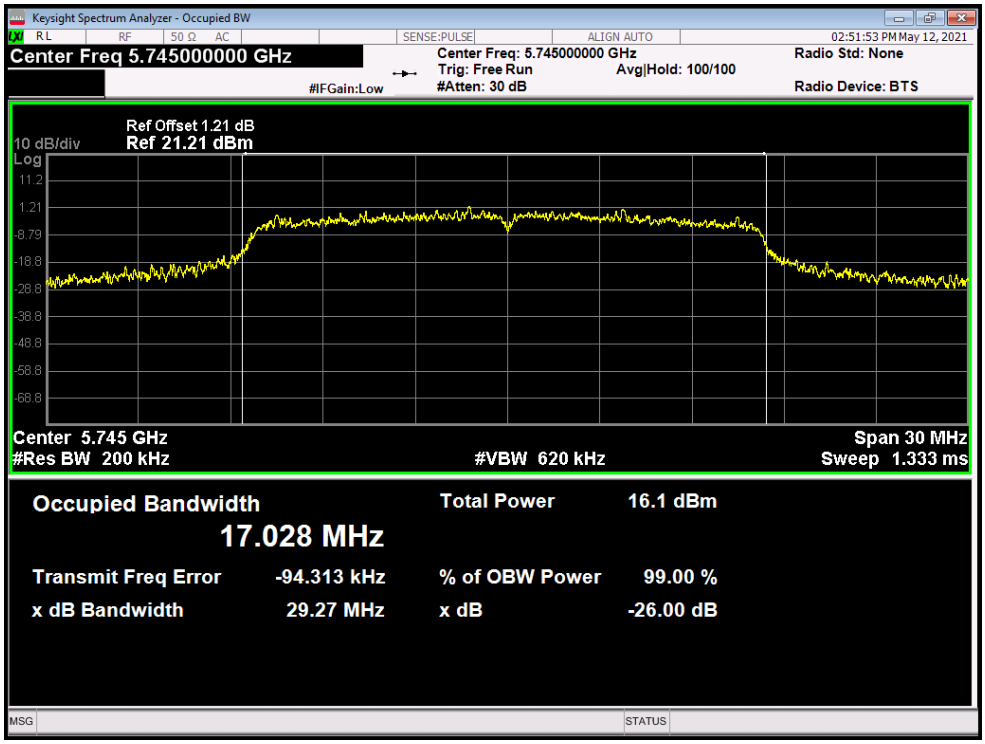
-6dB Bandwidth NVNT n40 5795MHz Ant1



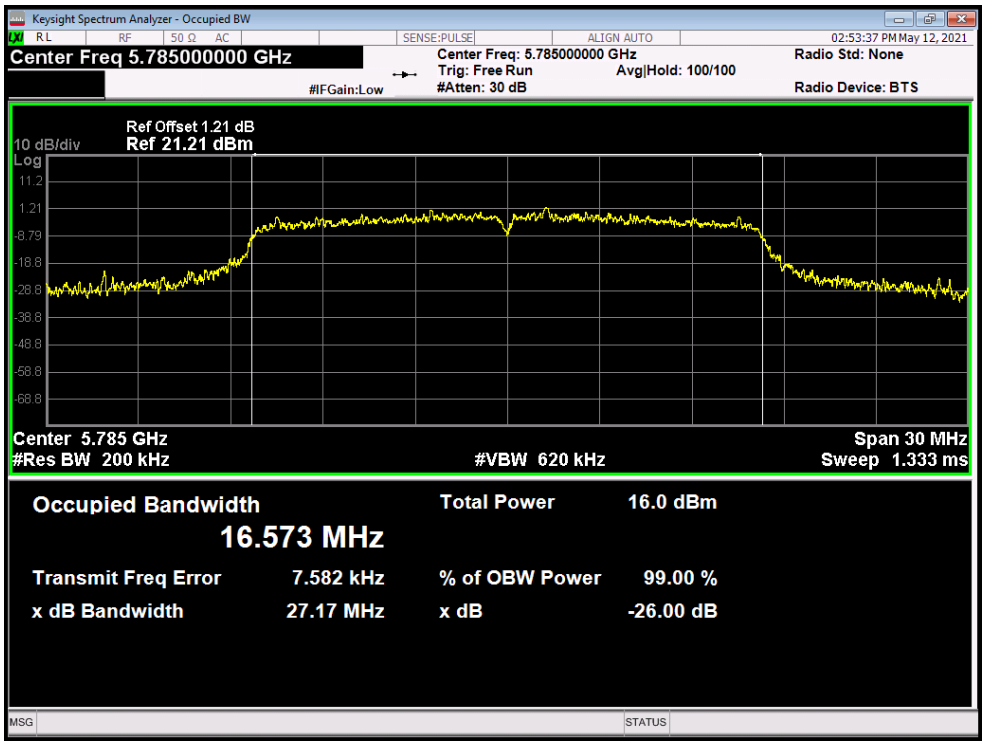
5.2.4 **OCCUPIED CHANNEL BANDWIDTH**

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	17.028
NVNT	a	5785	Ant1	16.573
NVNT	a	5825	Ant1	16.405
NVNT	ac20	5745	Ant1	17.934
NVNT	ac20	5785	Ant1	17.708
NVNT	ac20	5825	Ant1	17.54
NVNT	ac40	5755	Ant1	36.241
NVNT	ac40	5795	Ant1	36.03
NVNT	ac80	5775	Ant1	75.65
NVNT	n20	5745	Ant1	17.869
NVNT	n20	5785	Ant1	17.682
NVNT	n20	5825	Ant1	17.532
NVNT	n40	5755	Ant1	36.265
NVNT	n40	5795	Ant1	36.133

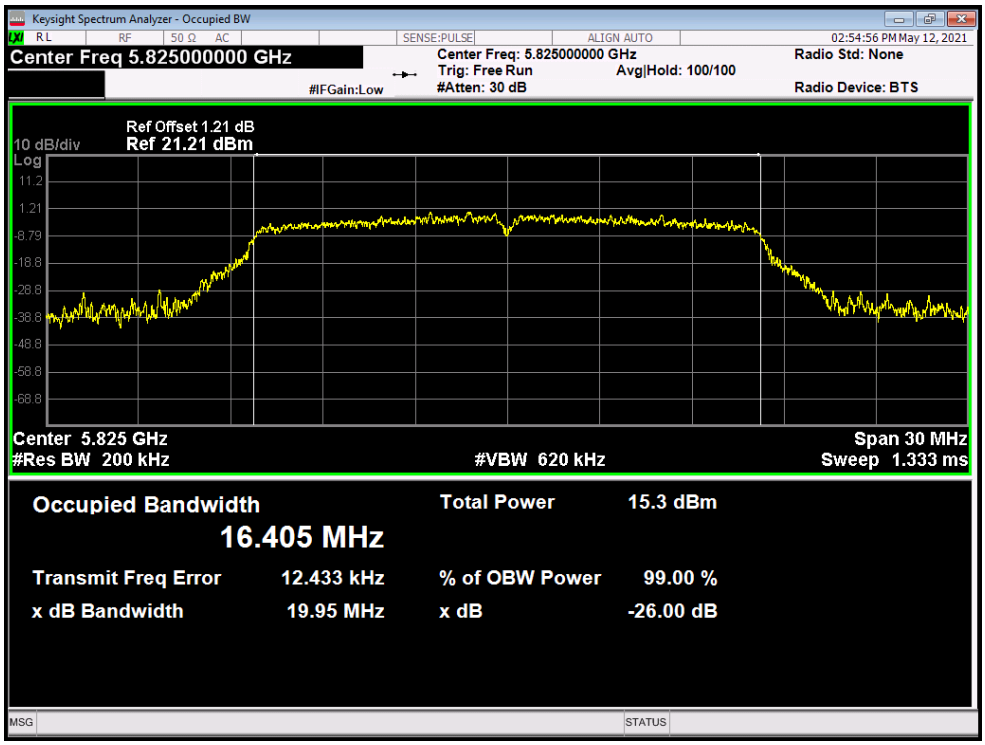
OBW NVNT a 5745MHz Ant1



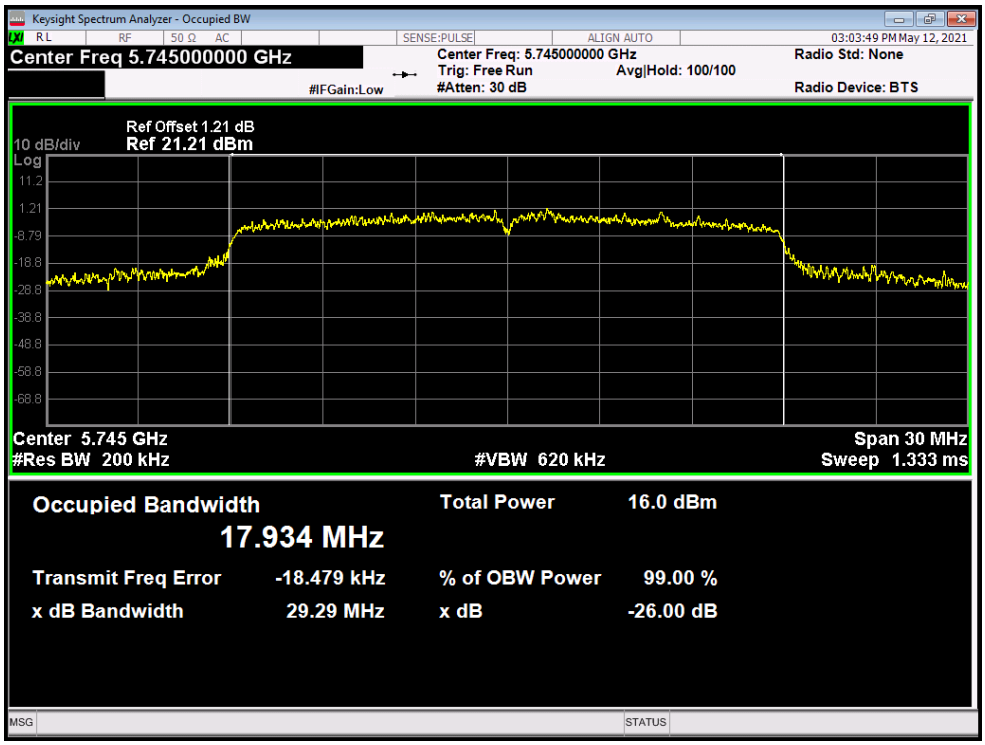
OBW NVNT a 5785MHz Ant1



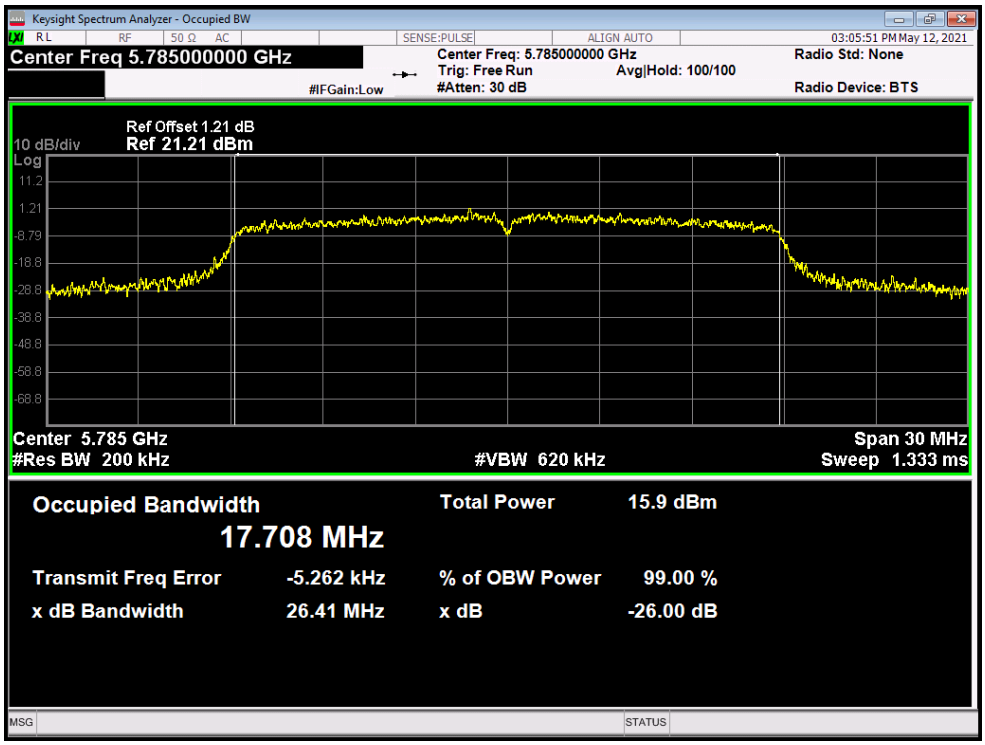
OBW NVNT a 5825MHz Ant1



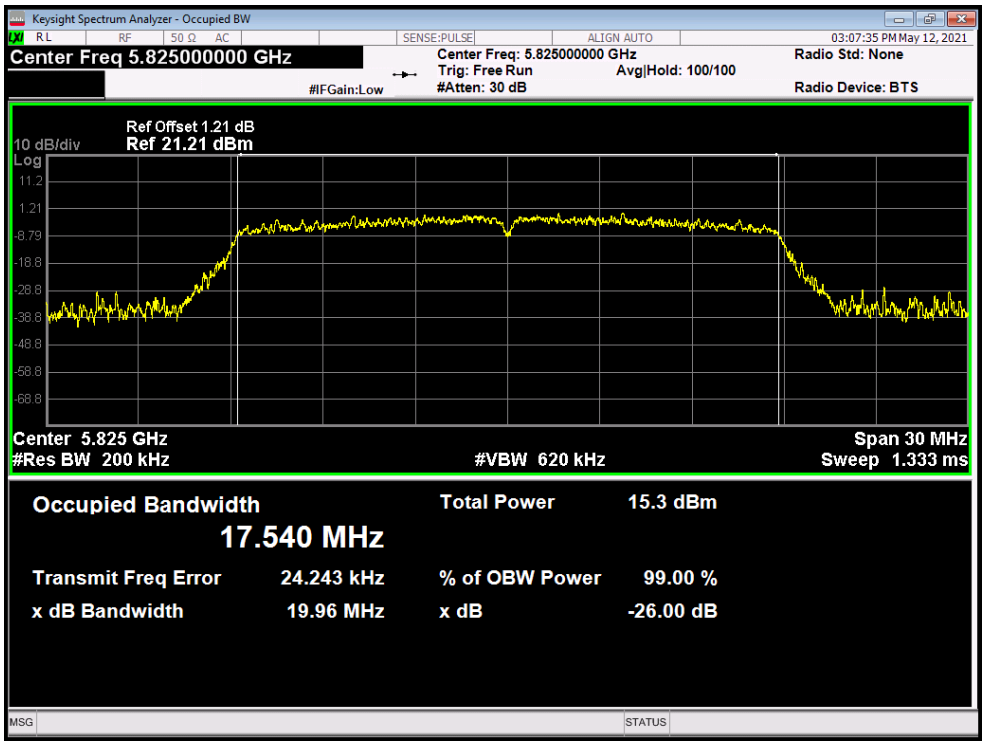
OBW NVNT ac20 5745MHz Ant1



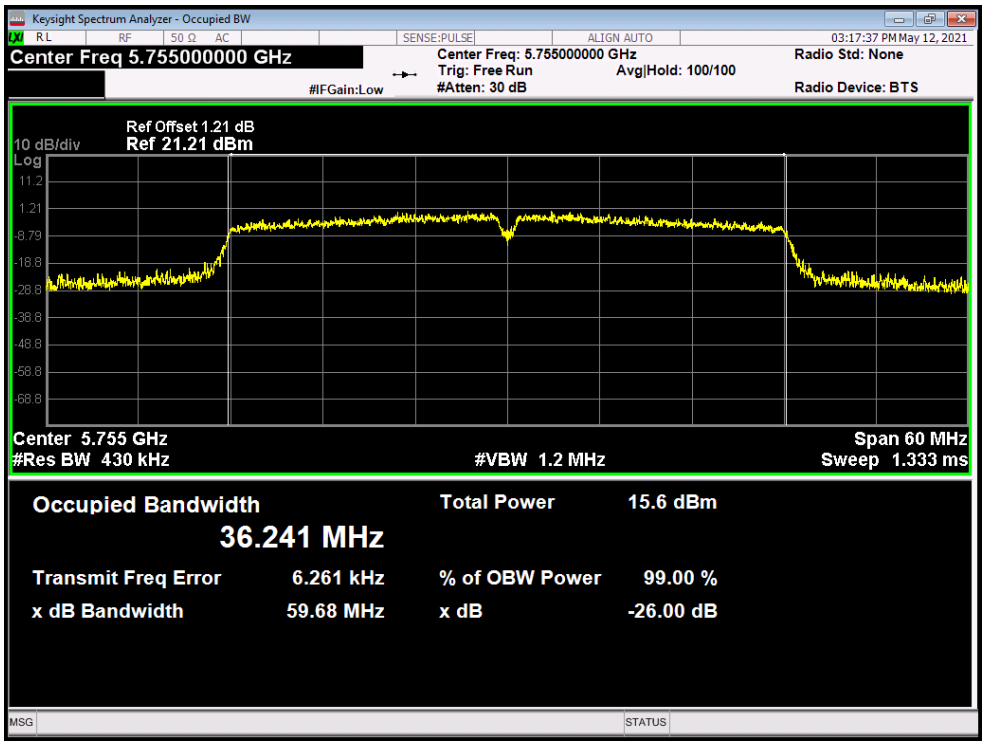
OBW NVNT ac20 5785MHz Ant1



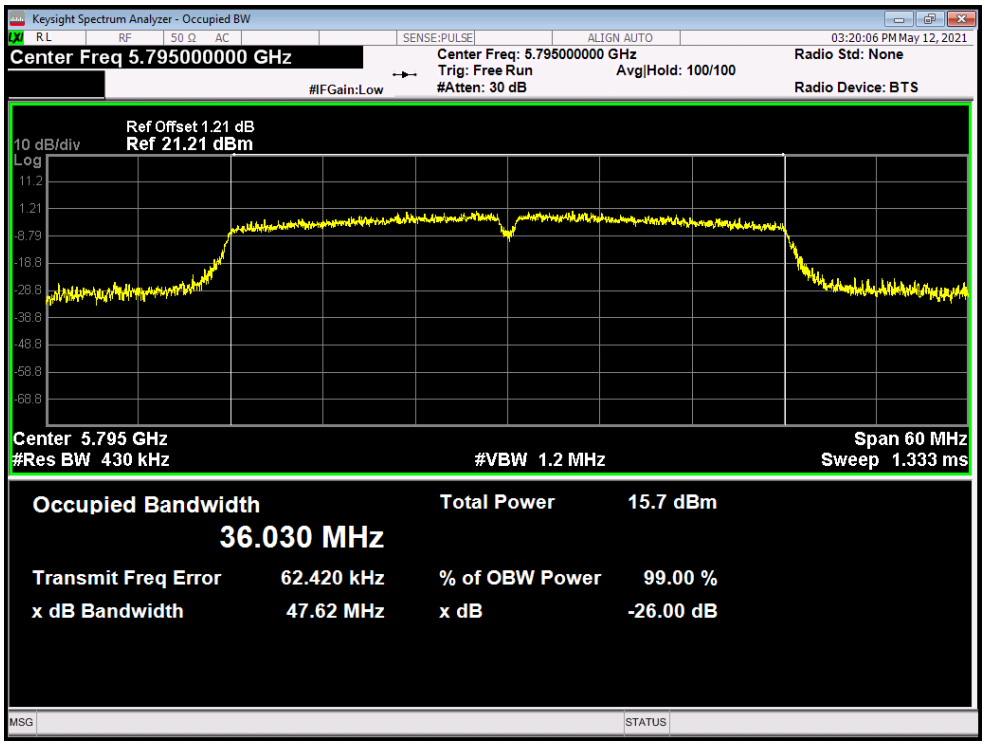
OBW NVNT ac20 5825MHz Ant1



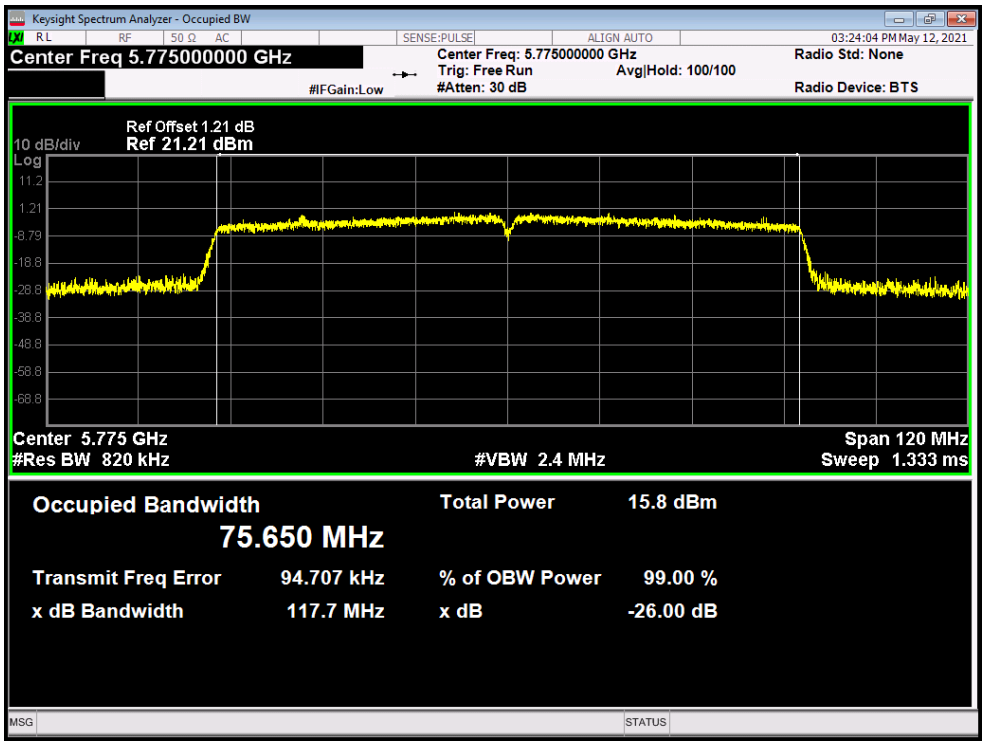
OBW NVNT ac40 5755MHz Ant1



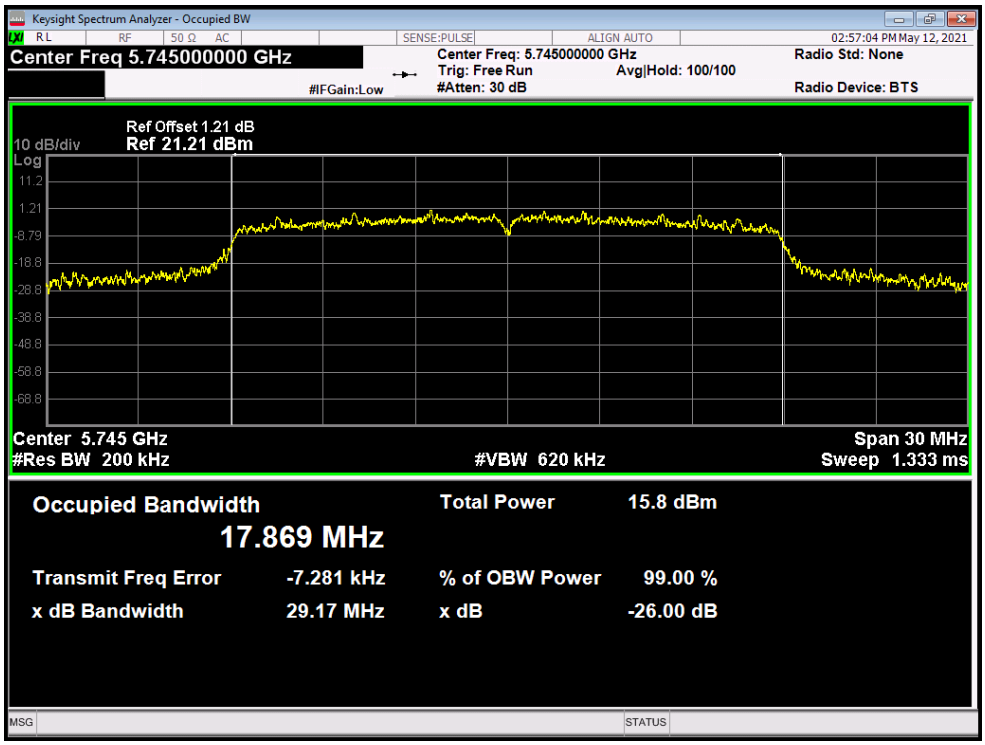
OBW NVNT ac40 5795MHz Ant1



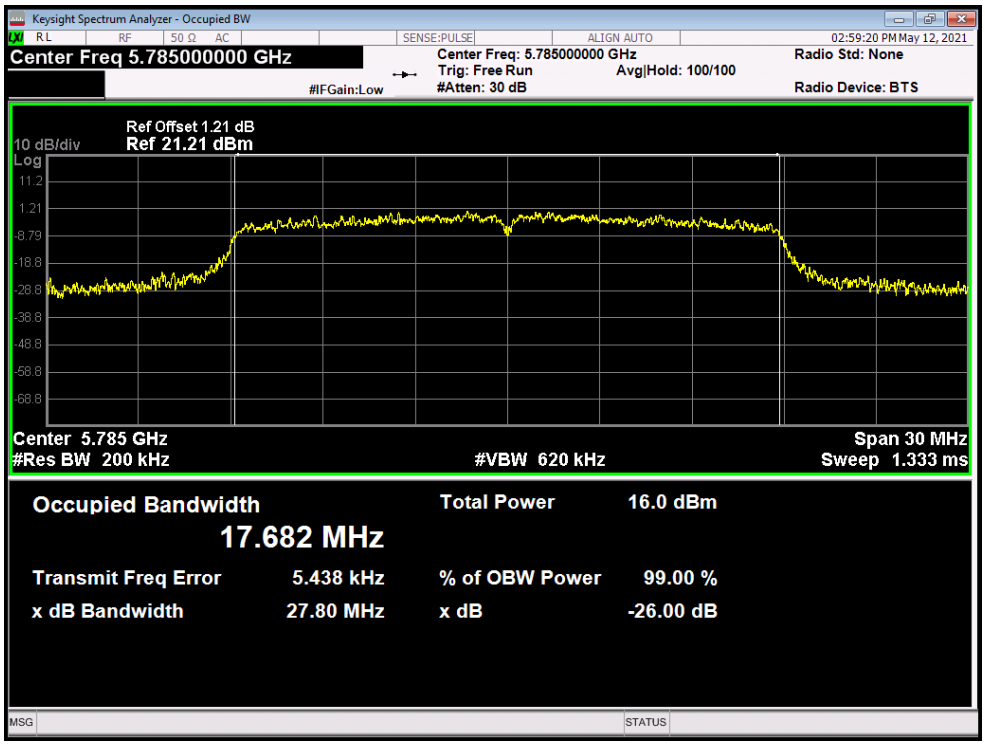
OBW NVNT ac80 5775MHz Ant1



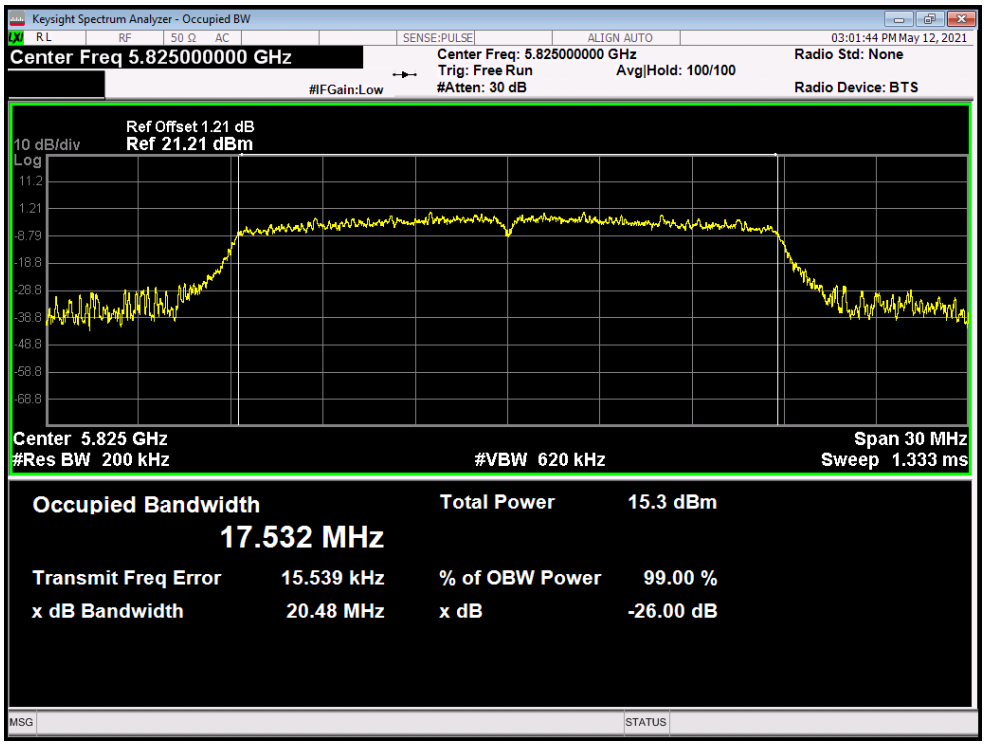
OBW NVNT n20 5745MHz Ant1



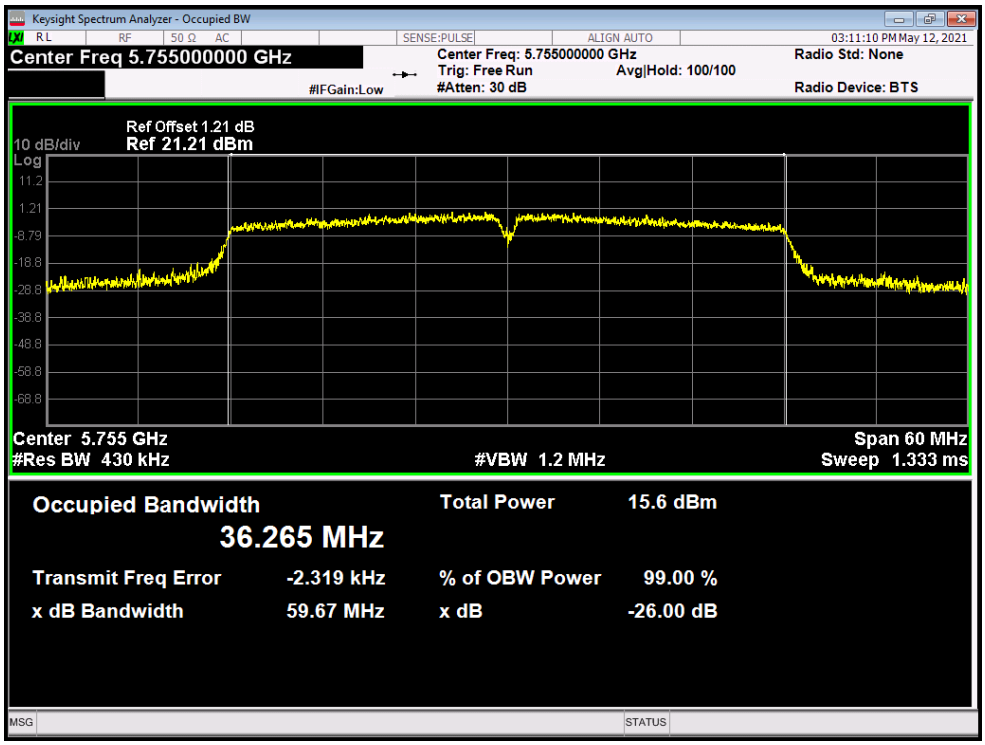
OBW NVNT n20 5785MHz Ant1



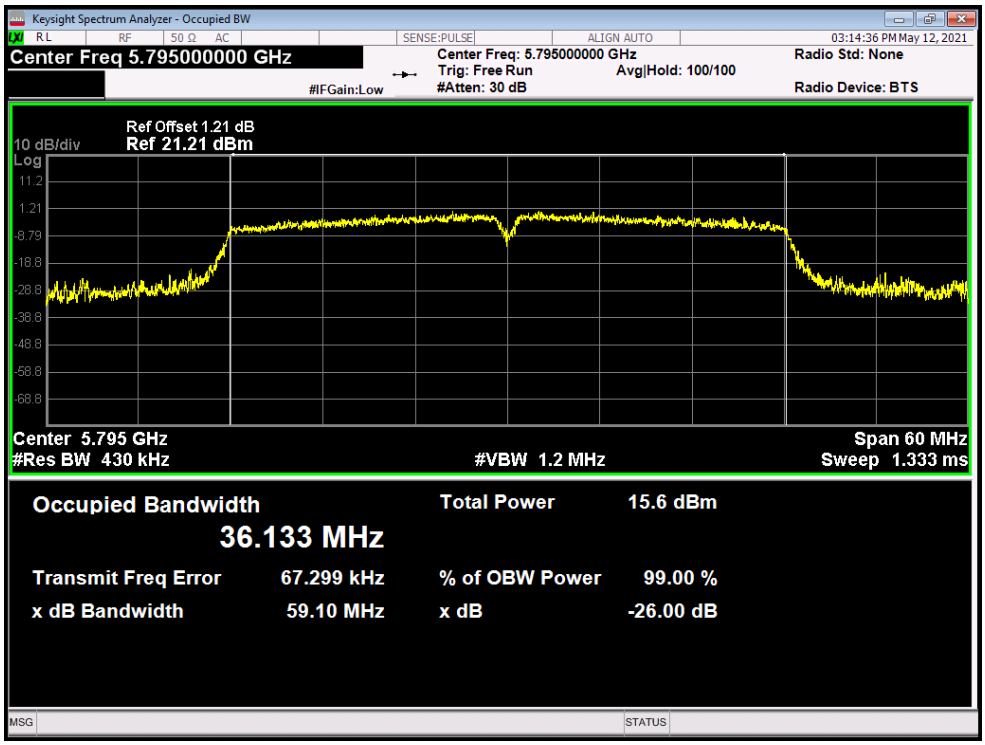
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



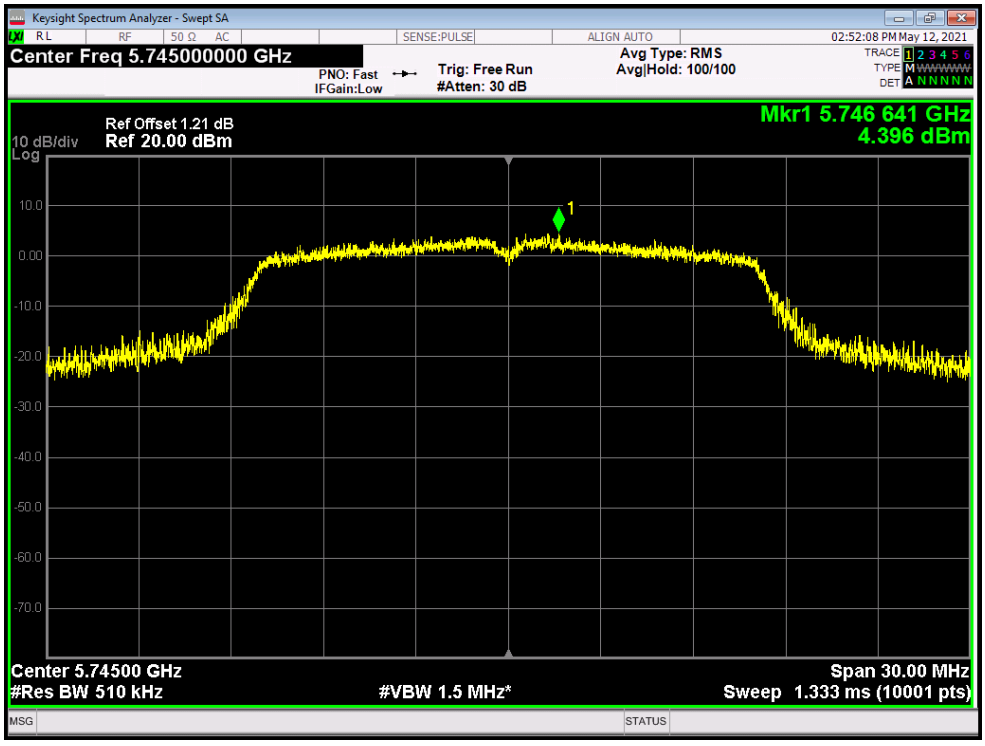
OBW NVNT n40 5795MHz Ant1



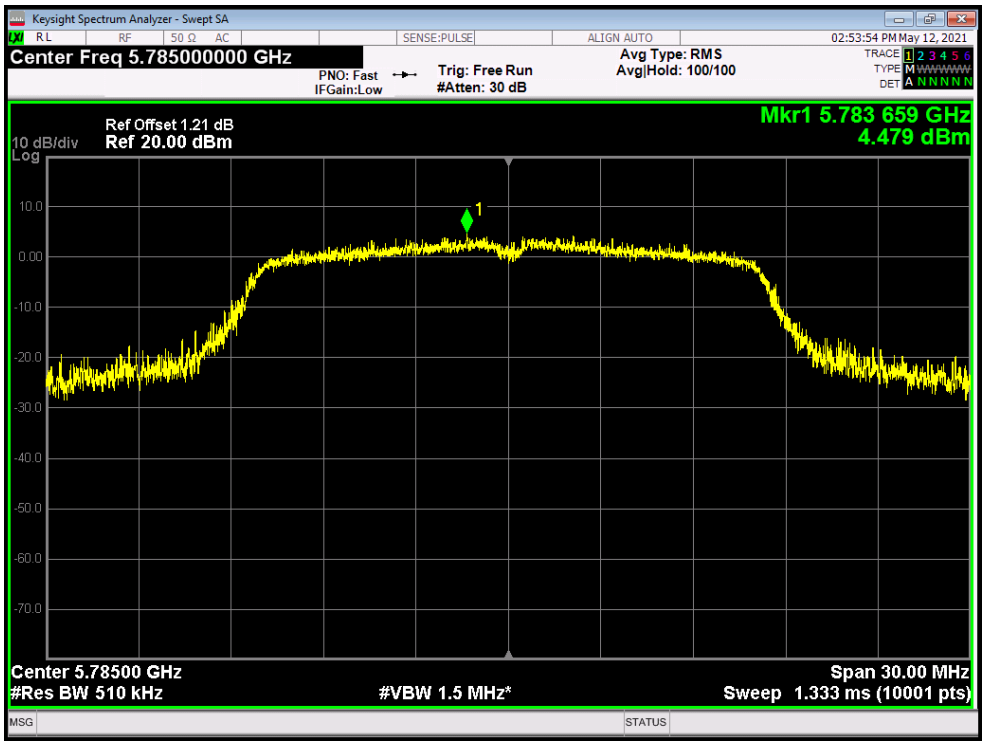
5.2.5 **MAXIMUM POWER SPECTRAL DENSITY LEVEL**

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	4.396	30	Pass
NVNT	a	5785	Ant1	4.479	30	Pass
NVNT	a	5825	Ant1	4.402	30	Pass
NVNT	ac20	5745	Ant1	4.307	30	Pass
NVNT	ac20	5785	Ant1	4.542	30	Pass
NVNT	ac20	5825	Ant1	3.445	30	Pass
NVNT	ac40	5755	Ant1	1.618	30	Pass
NVNT	ac40	5795	Ant1	1.4	30	Pass
NVNT	ac80	5775	Ant1	-10.111	30	Pass
NVNT	n20	5745	Ant1	3.849	30	Pass
NVNT	n20	5785	Ant1	4.263	30	Pass
NVNT	n20	5825	Ant1	4.025	30	Pass
NVNT	n40	5755	Ant1	0.911	30	Pass
NVNT	n40	5795	Ant1	0.808	30	Pass

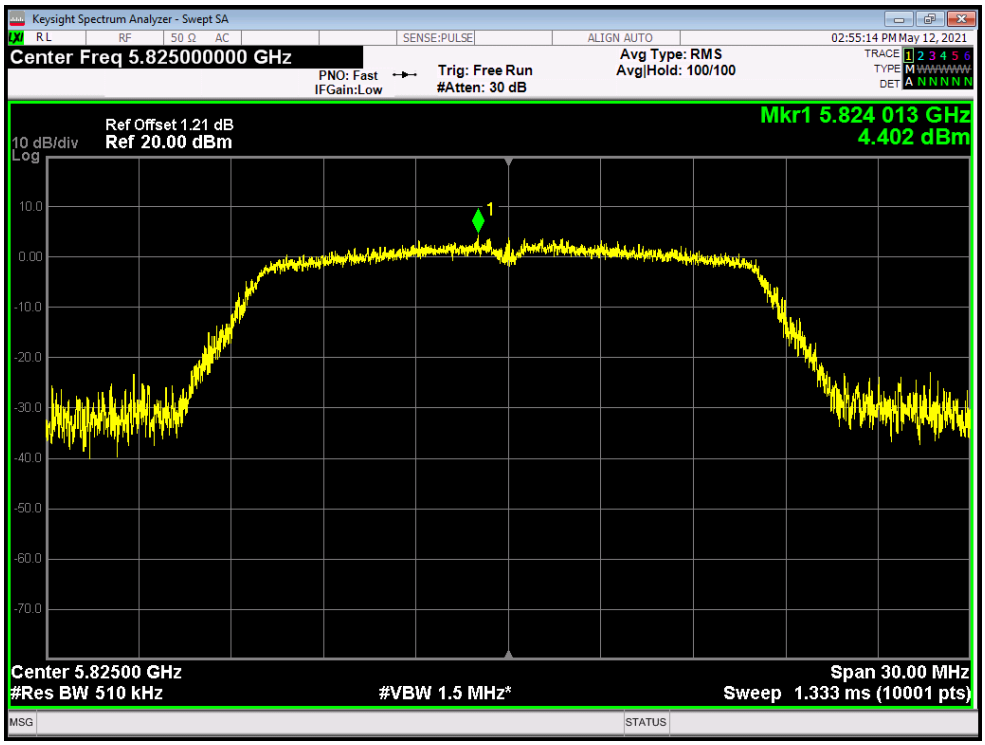
PSD NVNT a 5745MHz Ant1



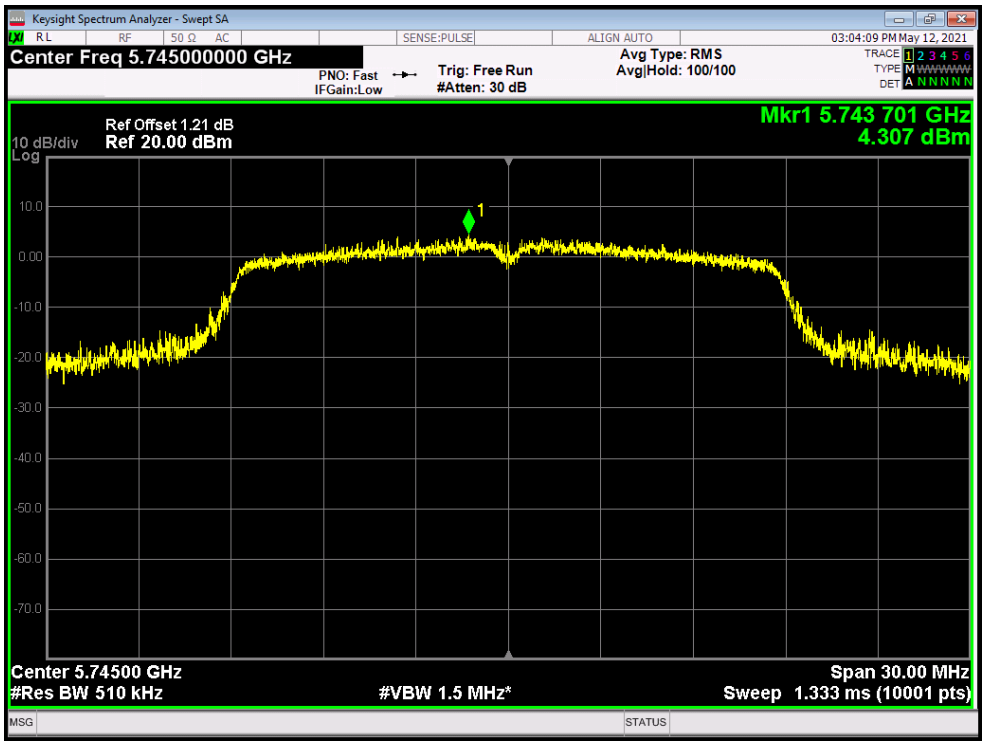
PSD NVNT a 5785MHz Ant1



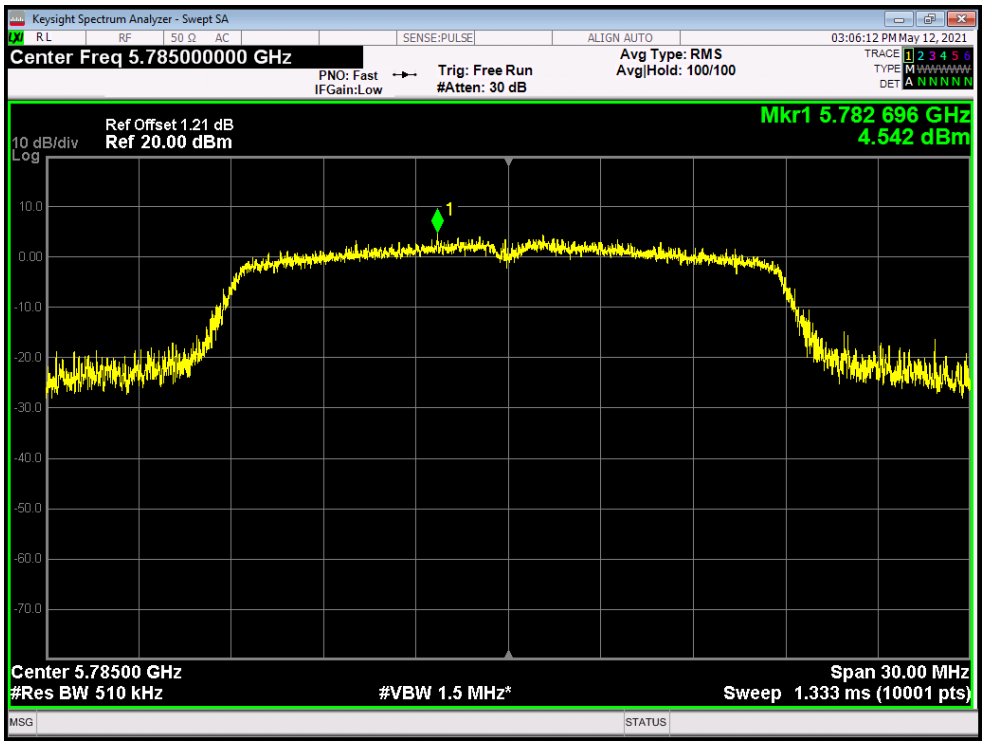
PSD NVNT a 5825MHz Ant1



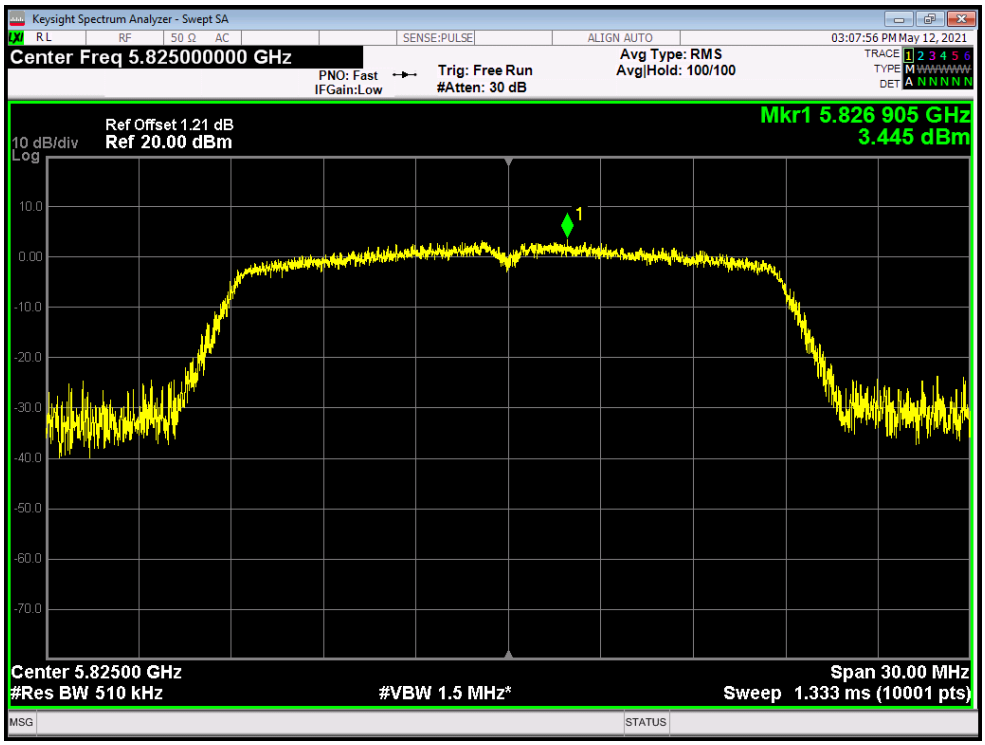
PSD NVNT ac20 5745MHz Ant1



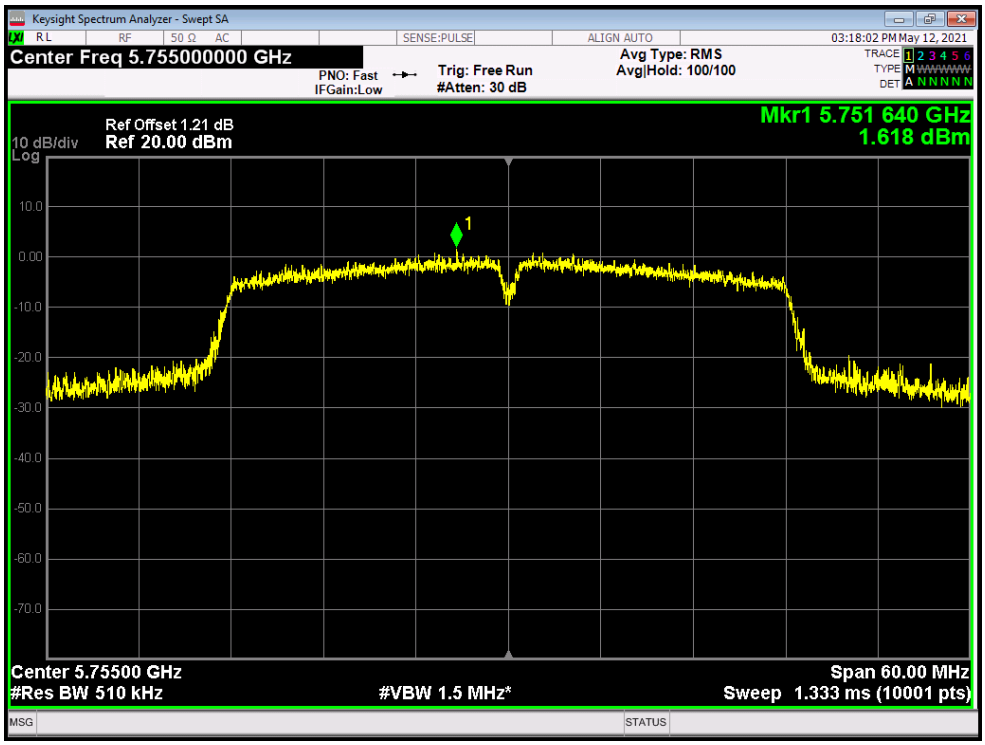
PSD NVNT ac20 5785MHz Ant1



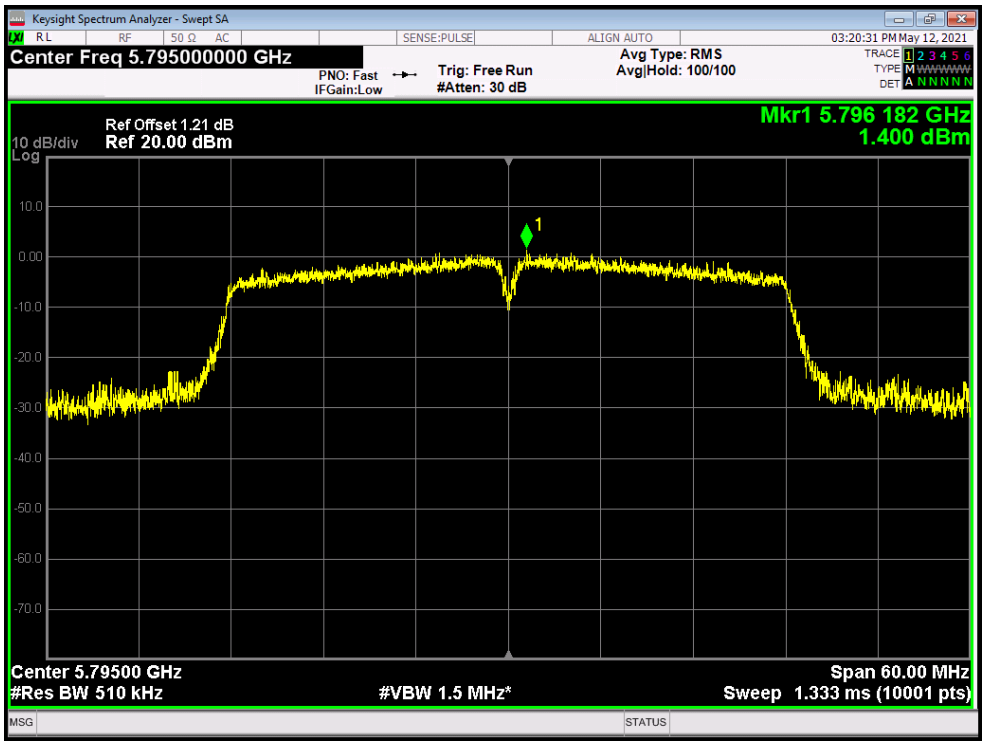
PSD NVNT ac20 5825MHz Ant1



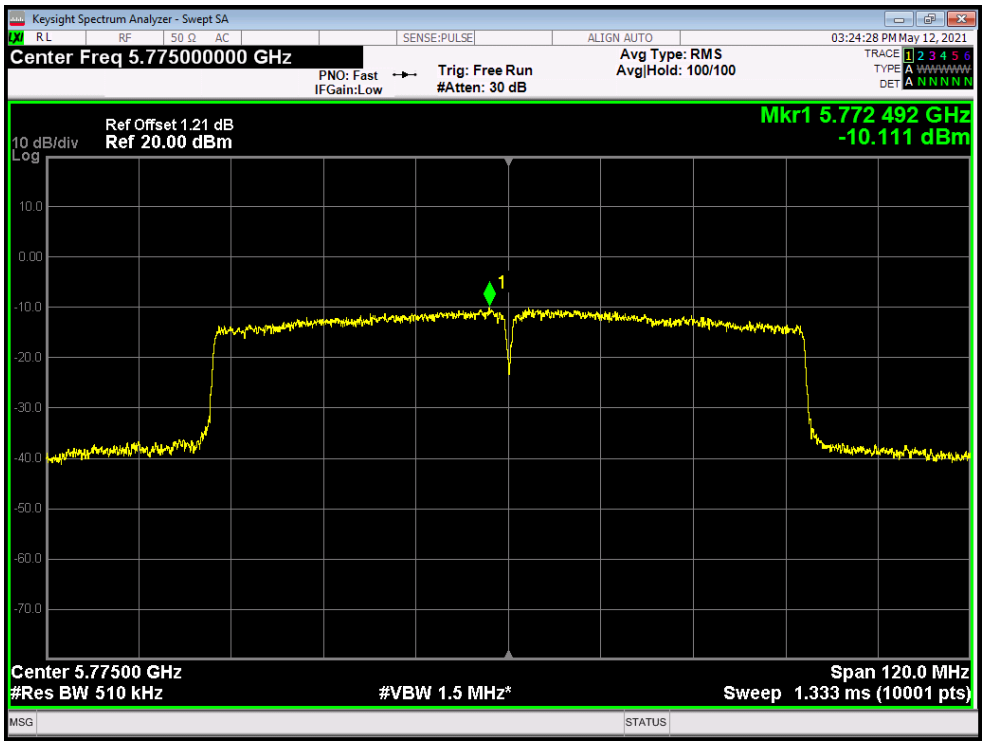
PSD NVNT ac40 5755MHz Ant1



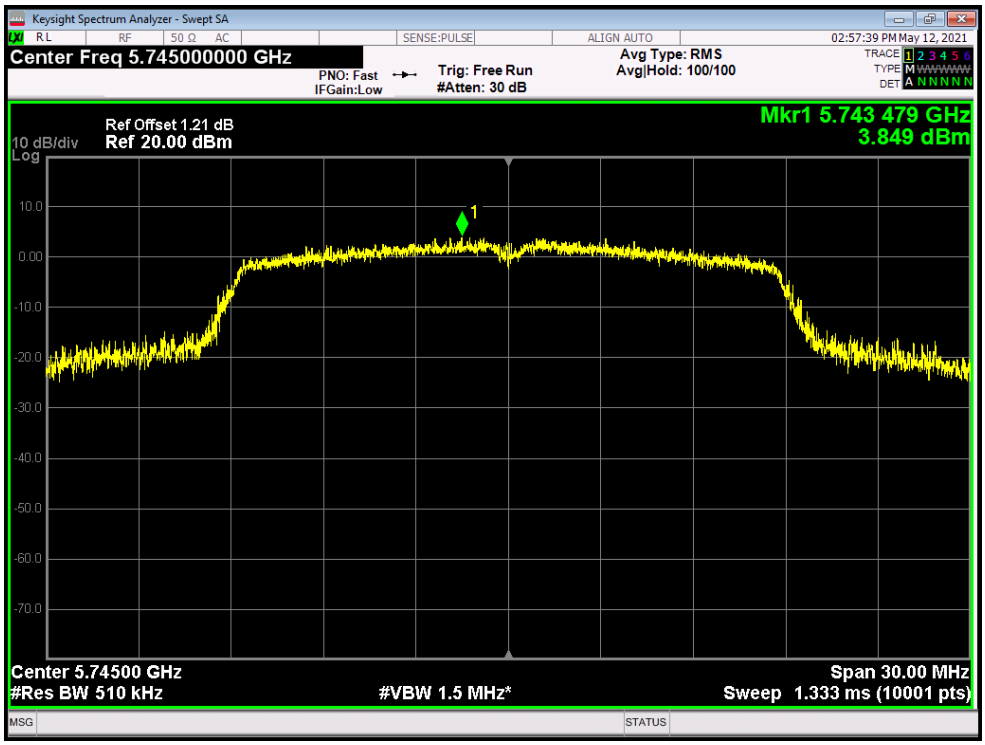
PSD NVNT ac40 5795MHz Ant1



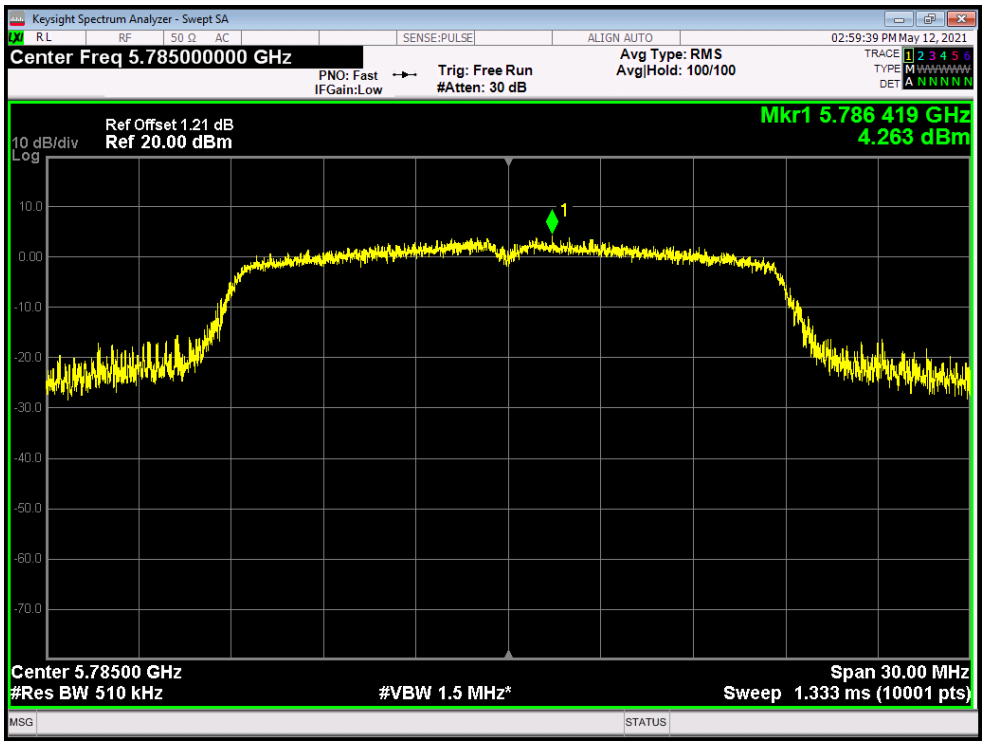
PSD NVNT ac80 5775MHz Ant1



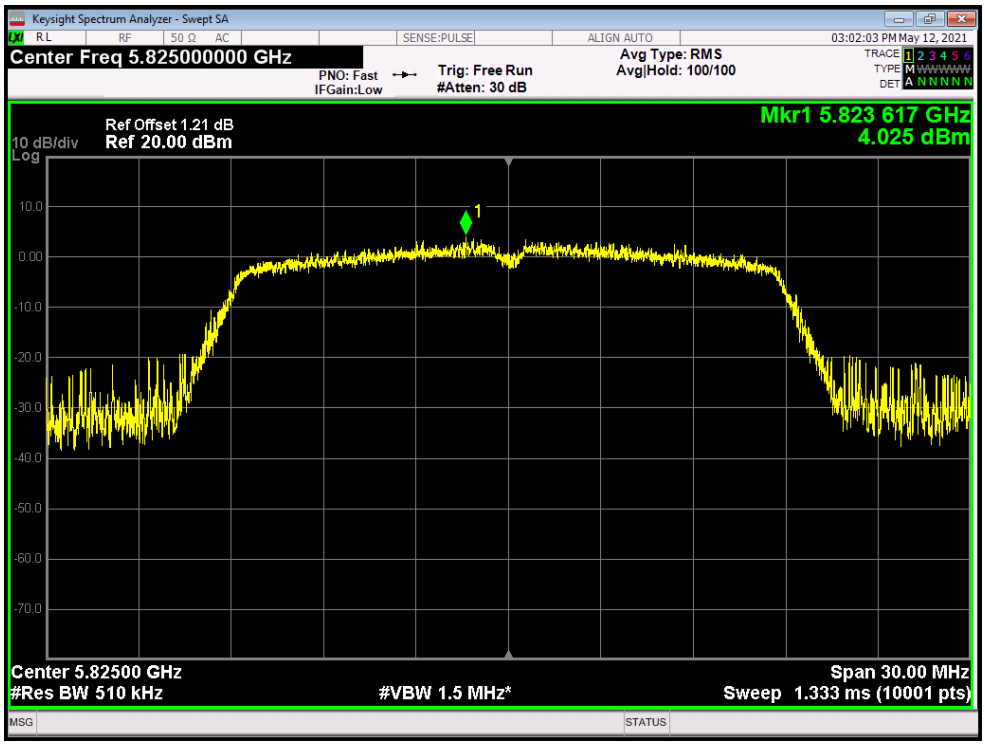
PSD NVNT n20 5745MHz Ant1



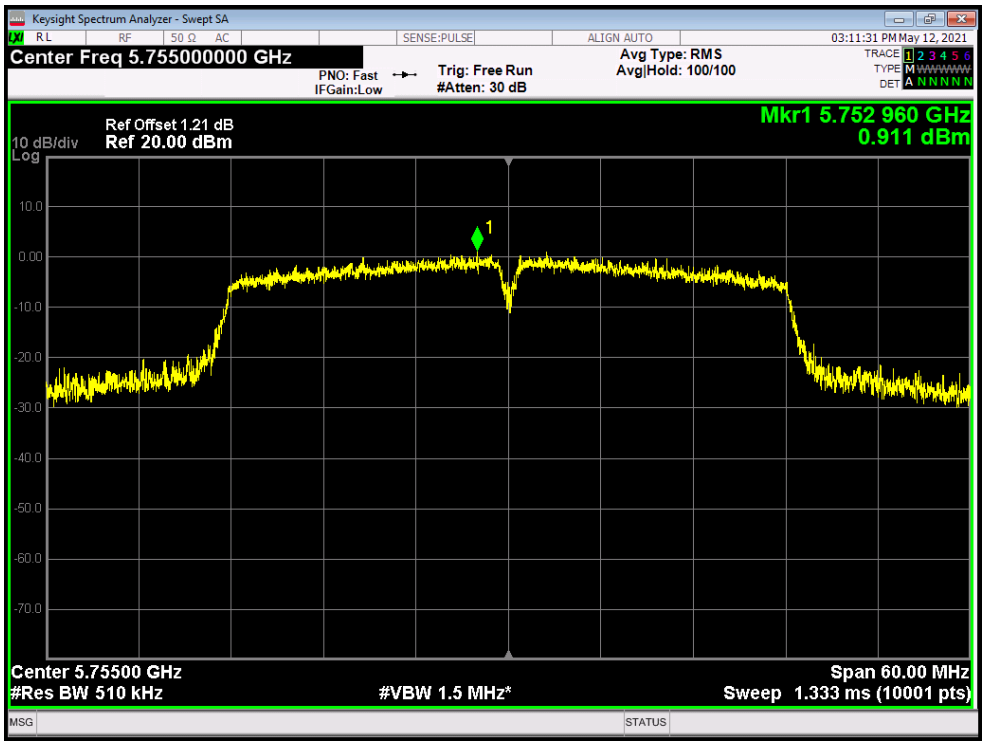
PSD NVNT n20 5785MHz Ant1



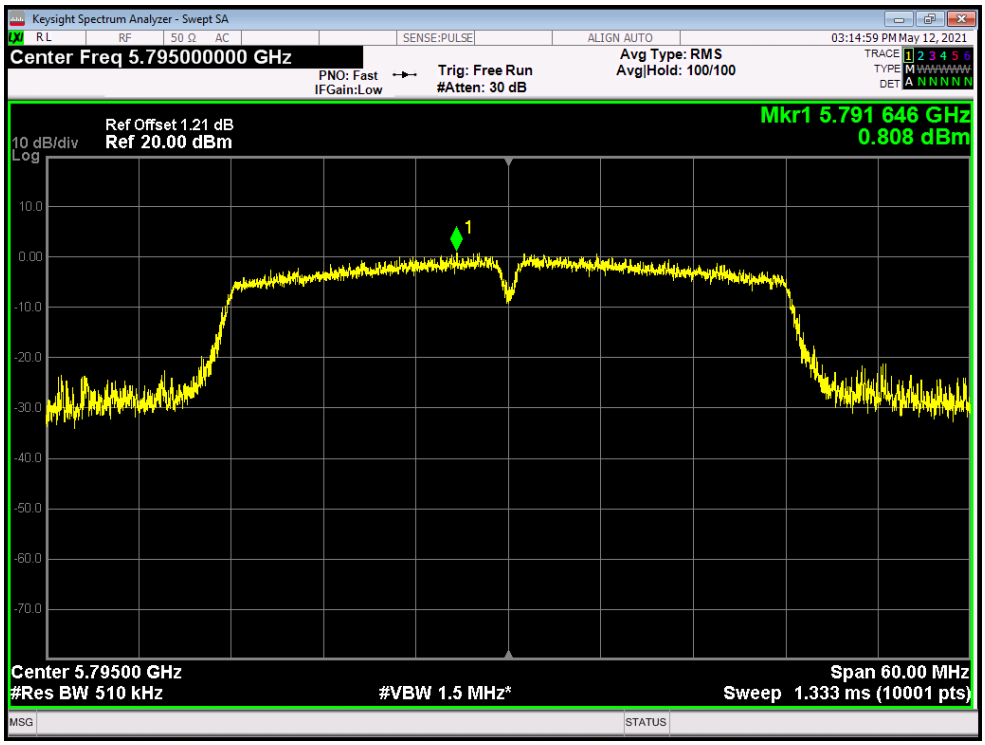
PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



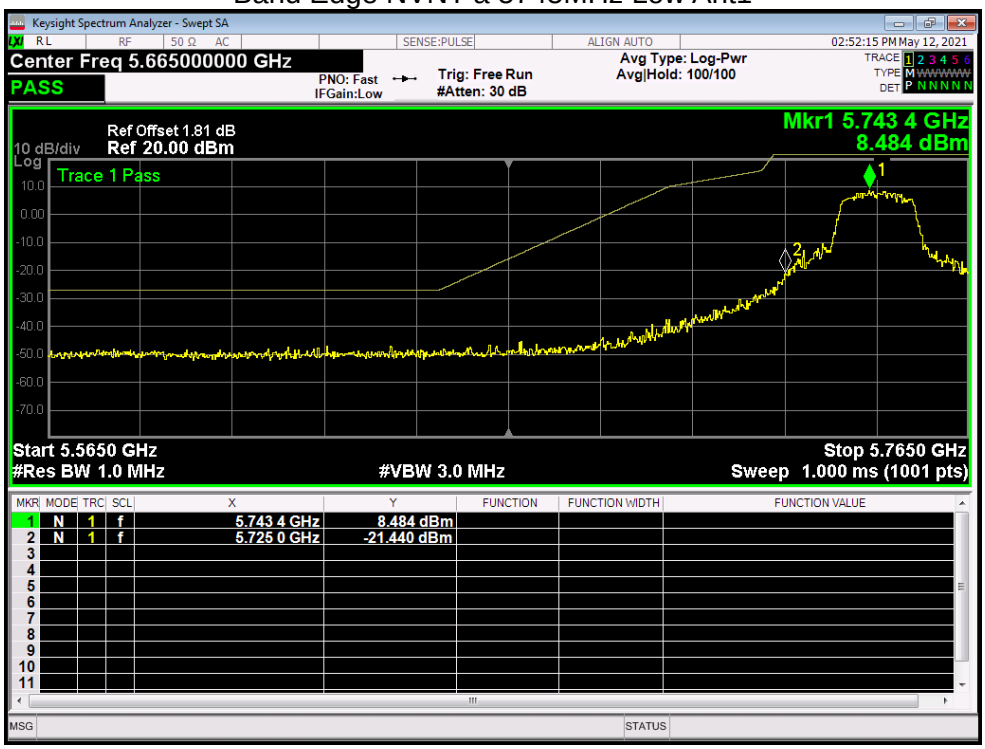
PSD NVNT n40 5795MHz Ant1



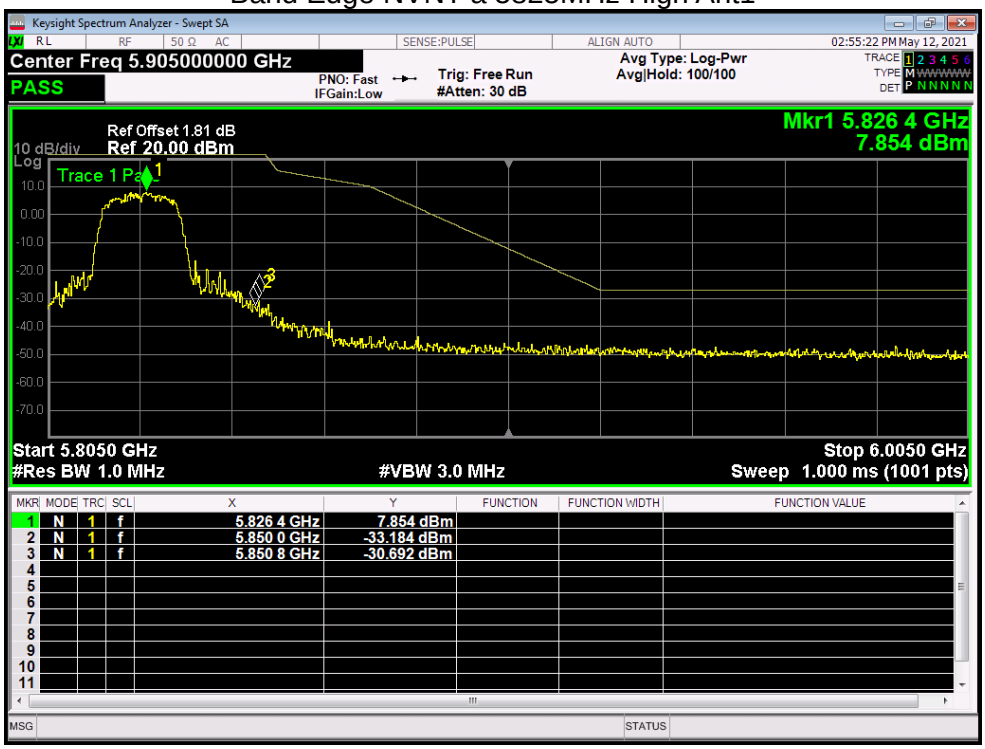
5.2.6 **BAND EDGE**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-21.43	Pass
NVNT	a	5825	Ant1	-30.69	Pass
NVNT	ac20	5745	Ant1	-20.22	Pass
NVNT	ac20	5825	Ant1	-31.16	Pass
NVNT	ac40	5755	Ant1	-19.74	Pass
NVNT	ac40	5795	Ant1	-35.15	Pass
NVNT	ac80	5775	Ant1	-25.17	Pass
NVNT	n20	5745	Ant1	-18.77	Pass
NVNT	n20	5825	Ant1	-30.81	Pass
NVNT	n40	5755	Ant1	-18.89	Pass
NVNT	n40	5795	Ant1	-33.14	Pass

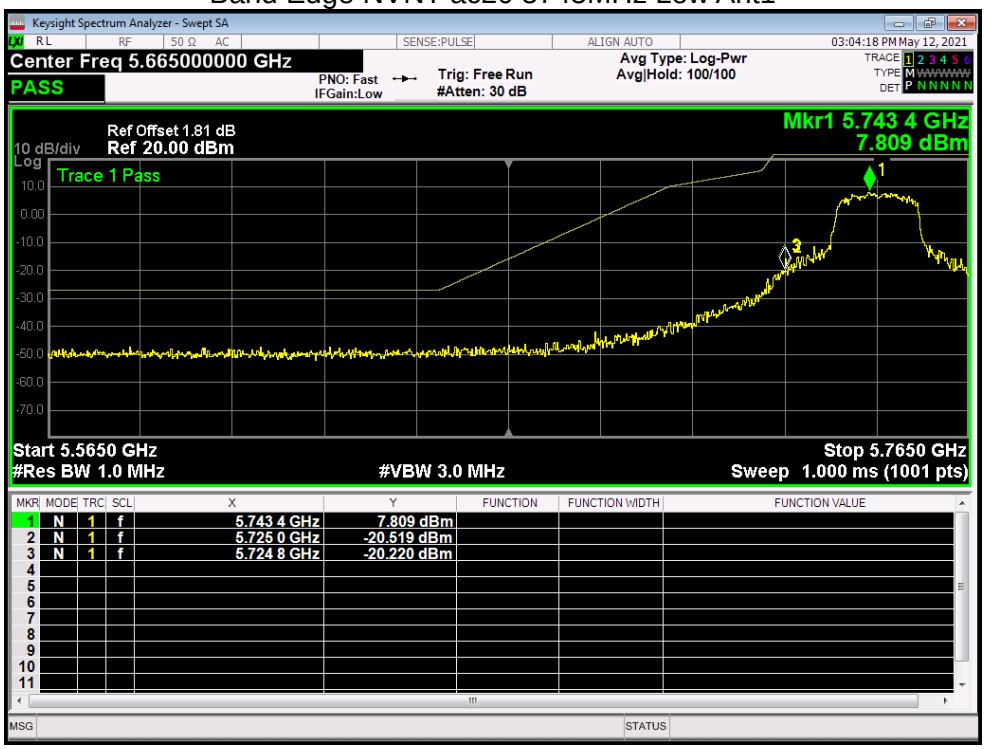
Band Edge NVNT a 5745MHz Low Ant1



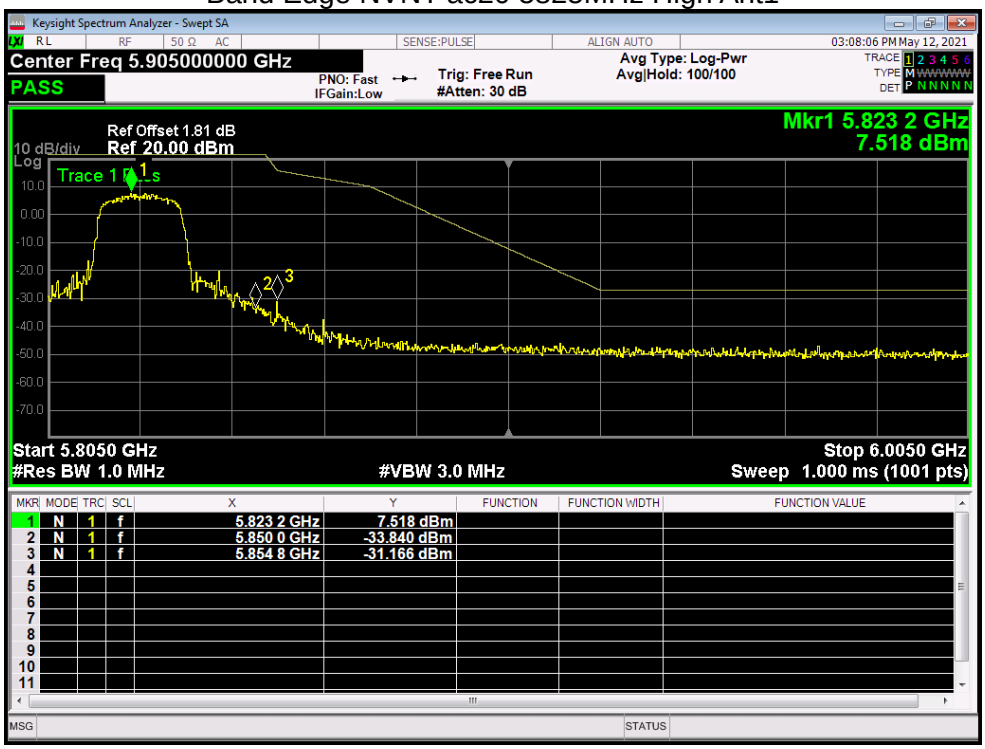
Band Edge NVNT a 5825MHz High Ant1



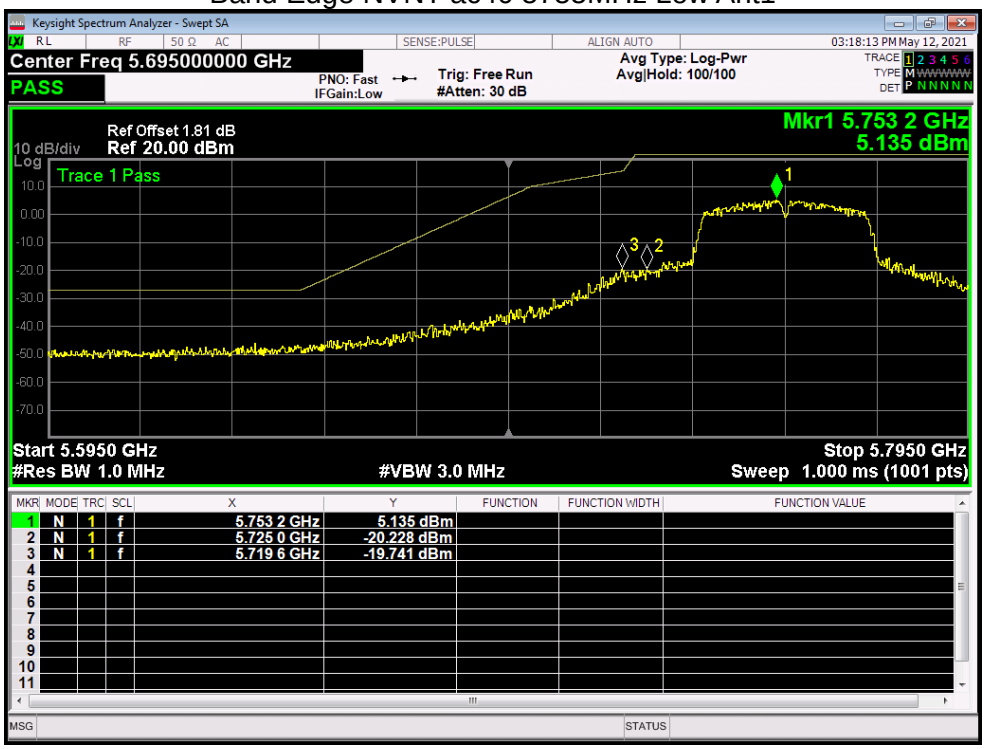
Band Edge NVNT ac20 5745MHz Low Ant1



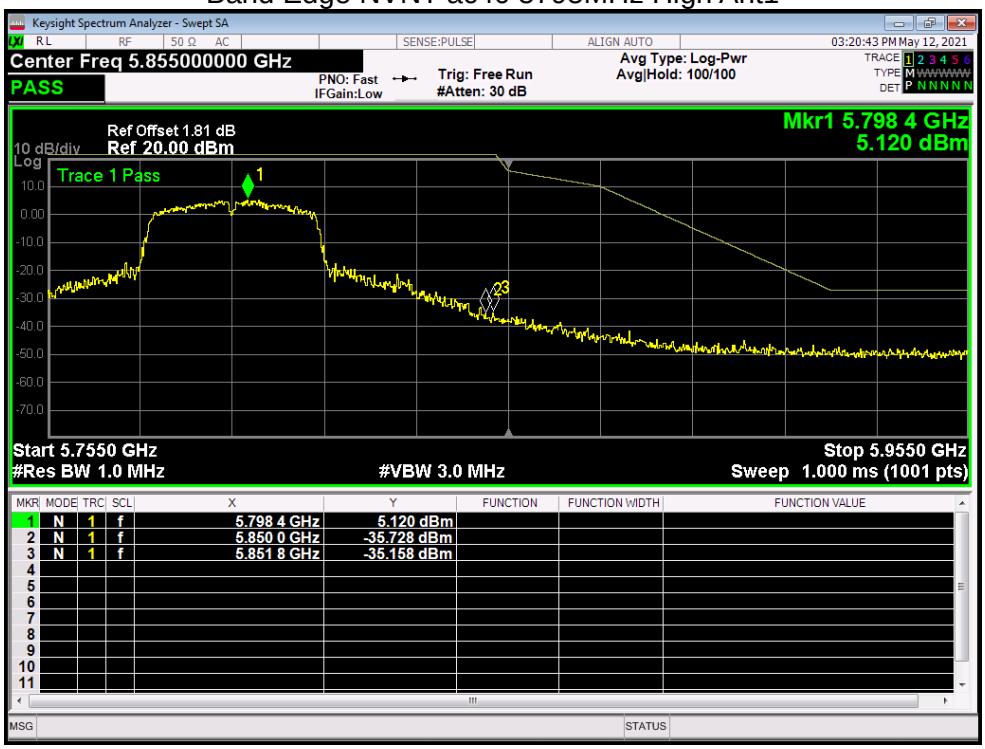
Band Edge NVNT ac20 5825MHz High Ant1



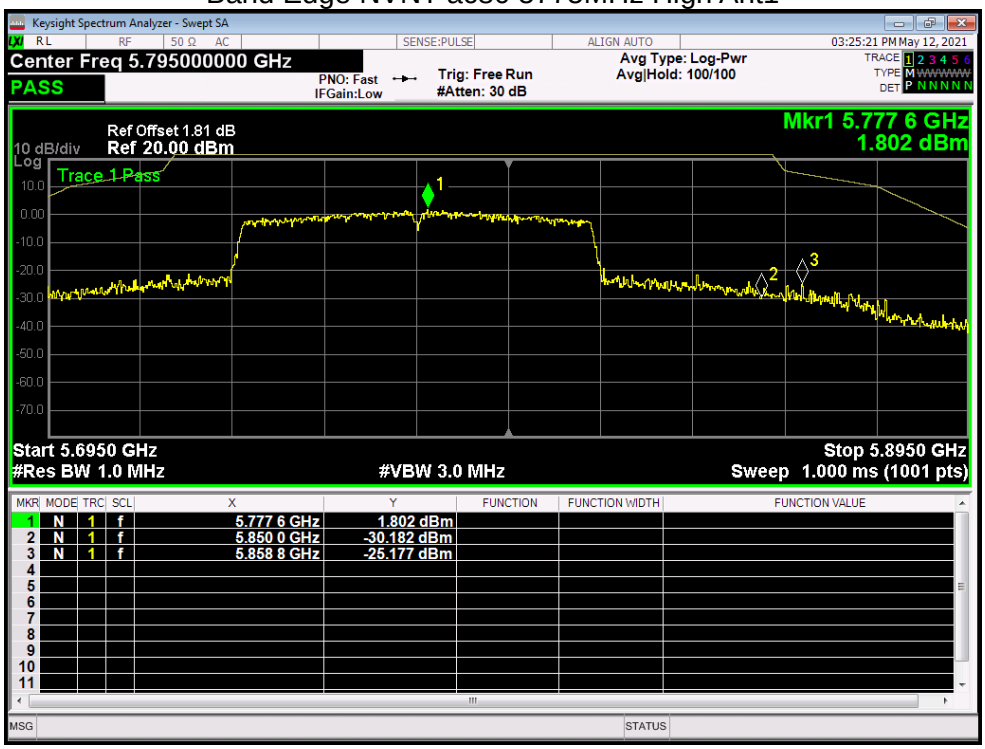
Band Edge NVNT ac40 5755MHz Low Ant1



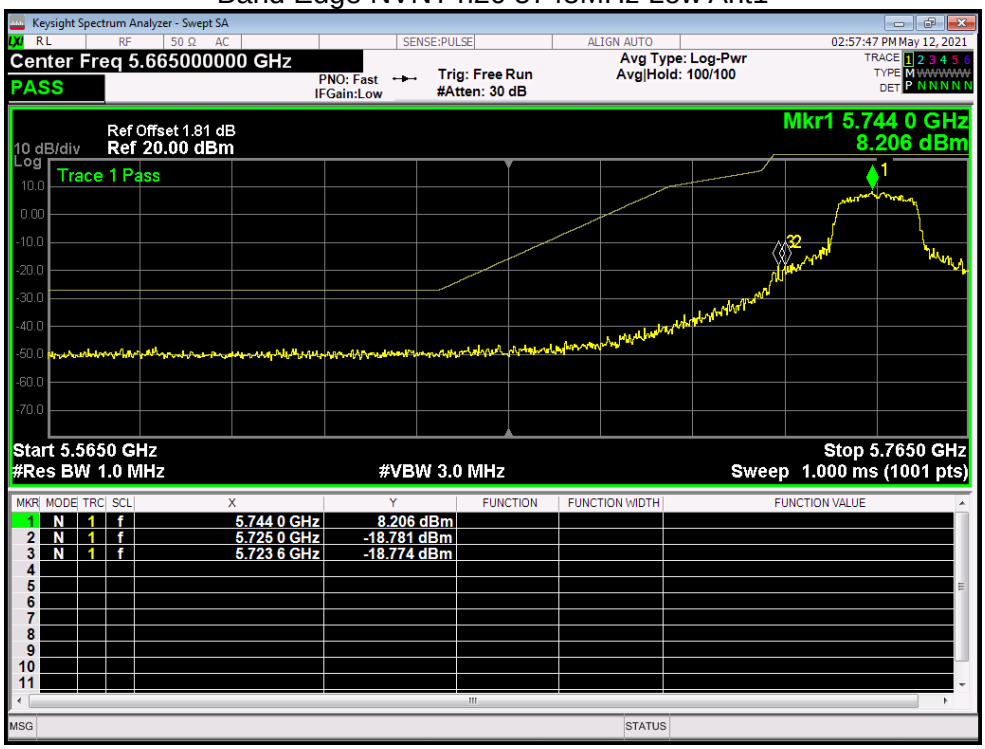
Band Edge NVNT ac40 5795MHz High Ant1



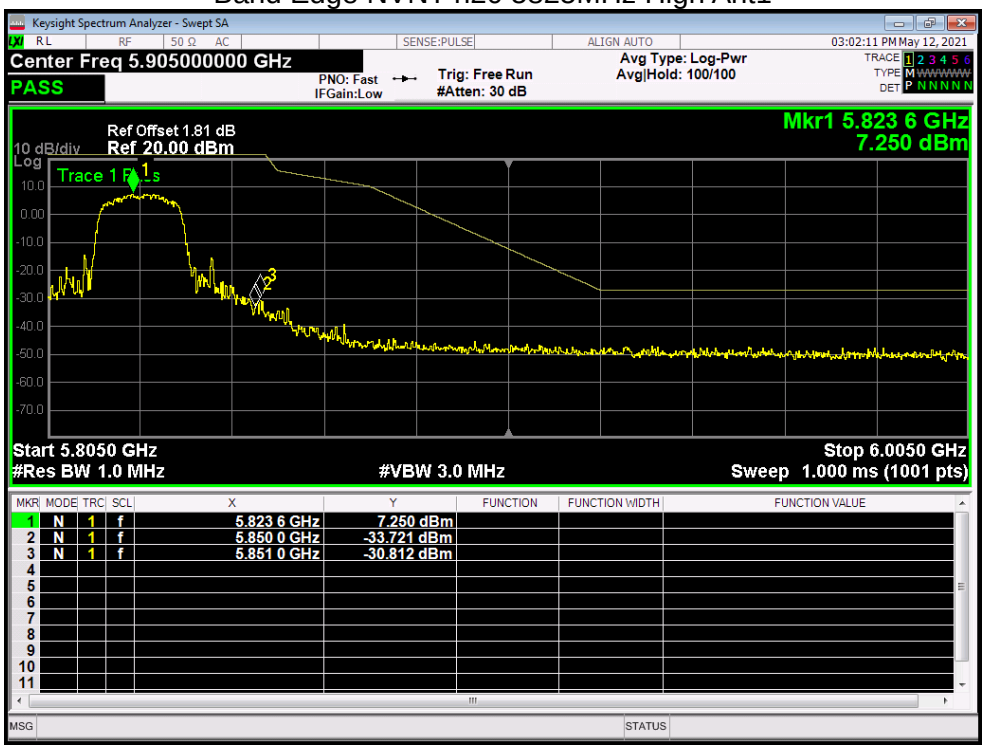
Band Edge NVNT ac80 5775MHz High Ant1



Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1



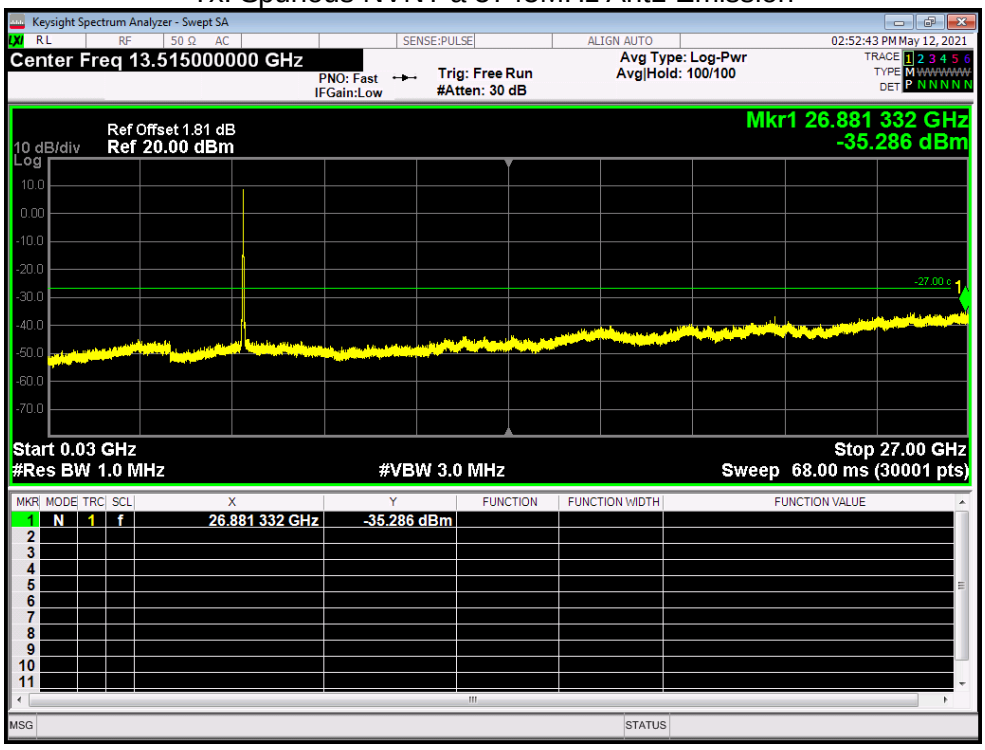
Band Edge NVNT n40 5755MHz Low Ant1

Band Edge NVNT n40 5795MHz High Ant1

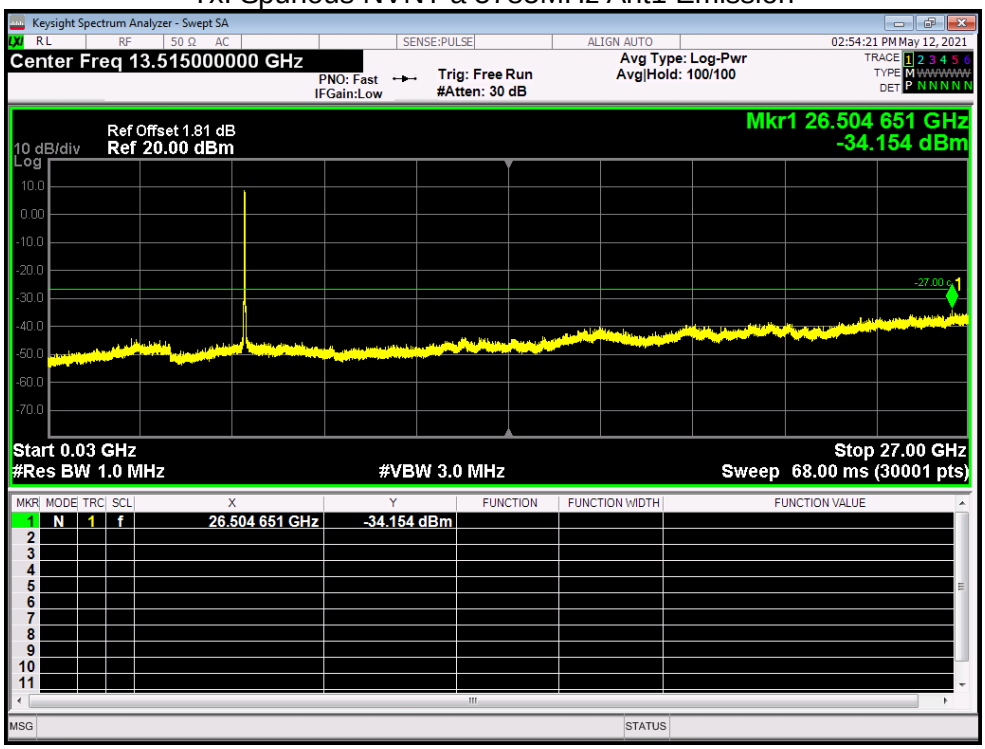
5.2.7 **CONDUCTED RF SPURIOUS EMISSION**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-35.28	-27	Pass
NVNT	a	5785	Ant1	-34.15	-27	Pass
NVNT	a	5805	Ant1	-34.42	-27	Pass
NVNT	ac20	5745	Ant1	-35.29	-27	Pass
NVNT	ac20	5785	Ant1	-35.1	-27	Pass
NVNT	ac20	5825	Ant1	-34.43	-27	Pass
NVNT	ac40	5755	Ant1	-35.17	-27	Pass
NVNT	ac40	5795	Ant1	-34.57	-27	Pass
NVNT	ac80	5775	Ant1	-34.29	-27	Pass
NVNT	n20	5745	Ant1	-35.17	-27	Pass
NVNT	n20	5785	Ant1	-35.16	-27	Pass
NVNT	n20	5825	Ant1	-35.43	-27	Pass
NVNT	n40	5755	Ant1	-35.19	-27	Pass
NVNT	n40	5795	Ant1	-35.4	-27	Pass

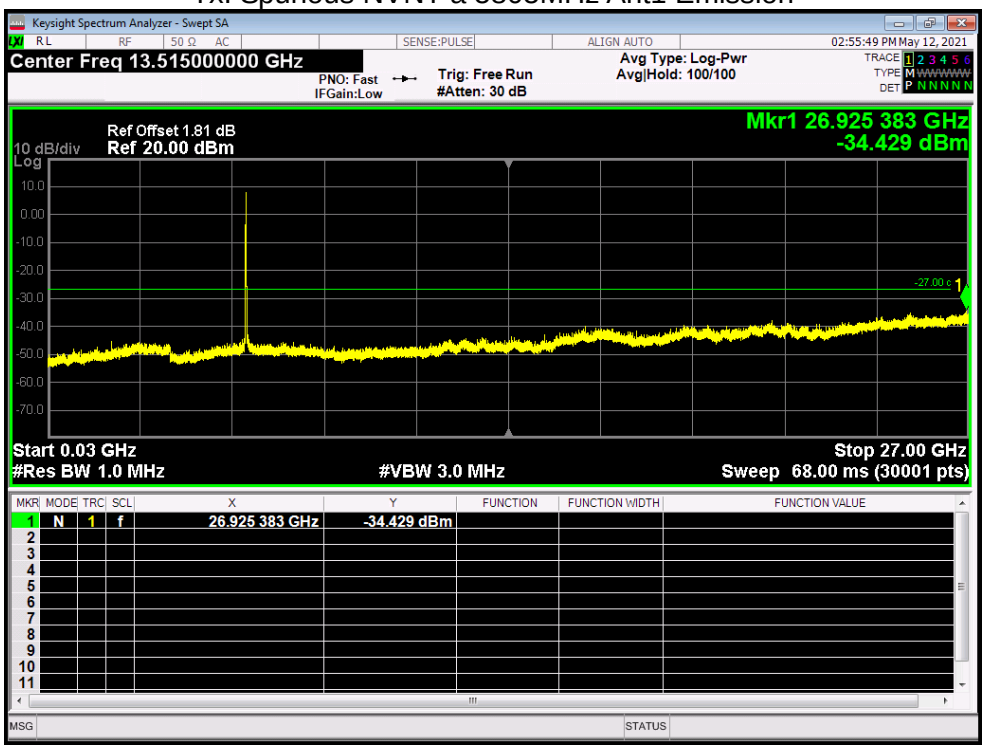
Tx. Spurious NVNT a 5745MHz Ant1 Emission



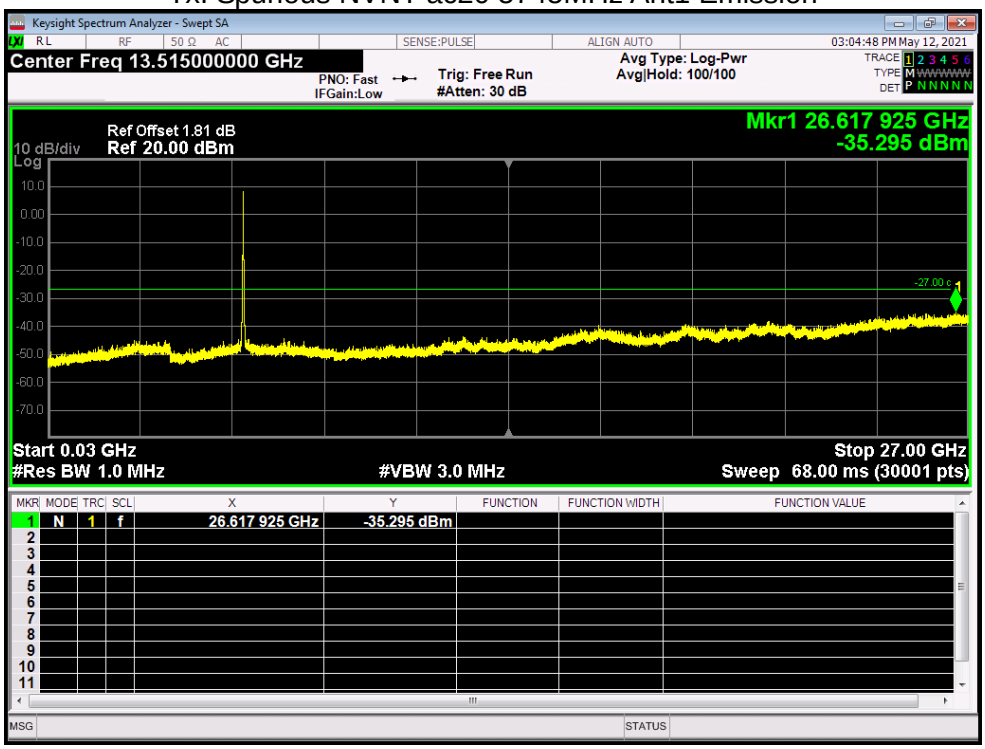
Tx. Spurious NVNT a 5785MHz Ant1 Emission



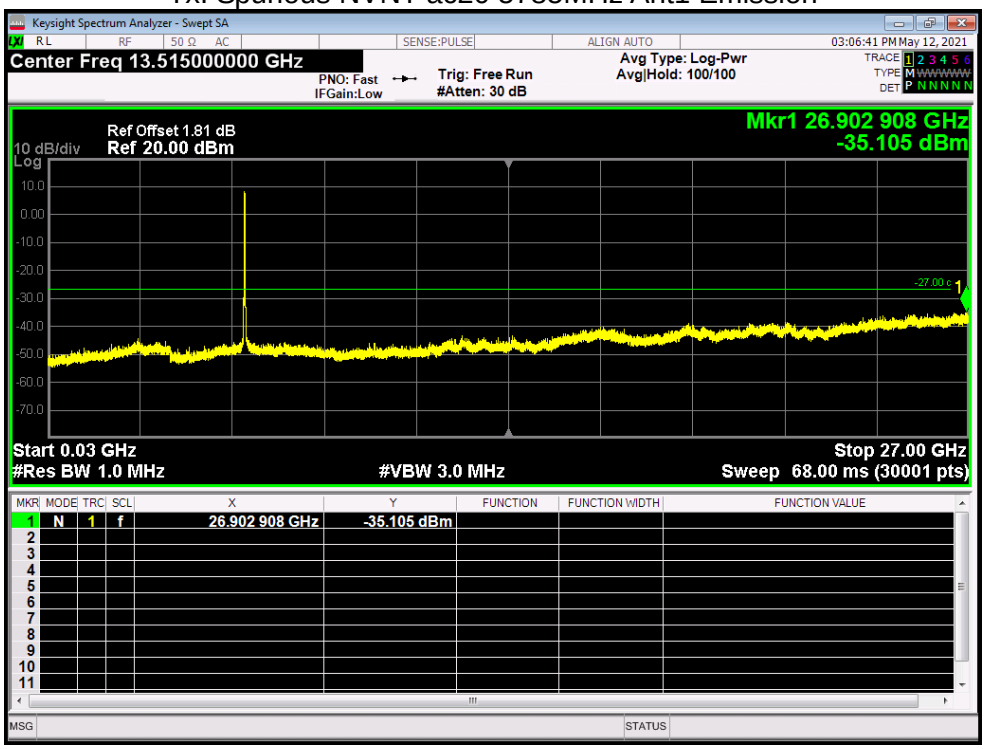
Tx. Spurious NVNT a 5805MHz Ant1 Emission



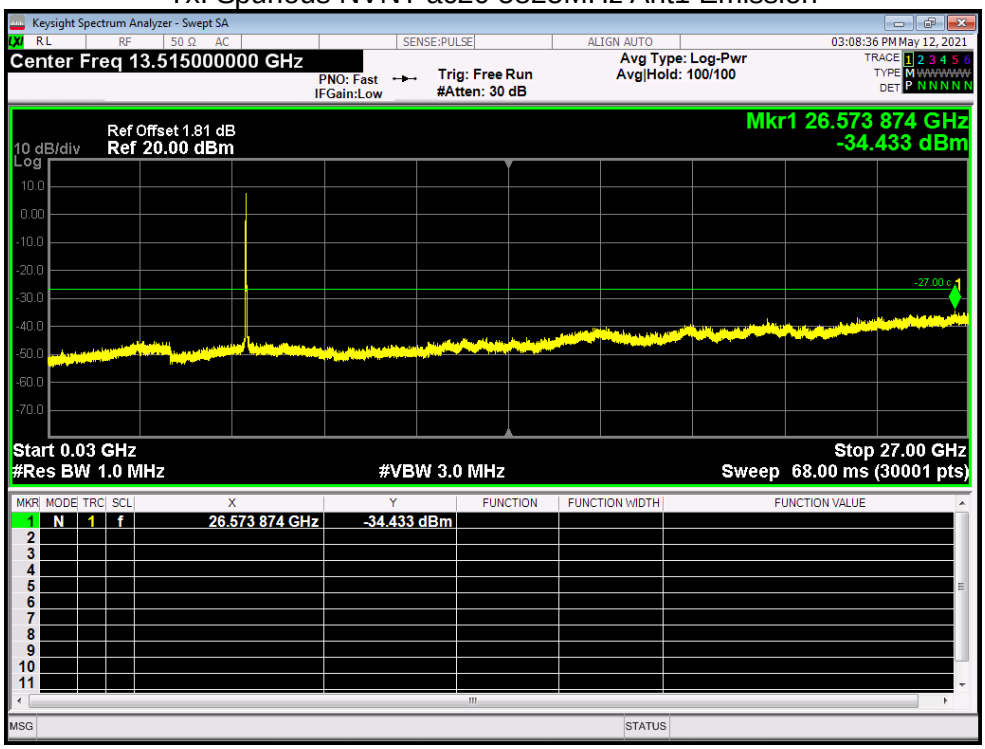
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



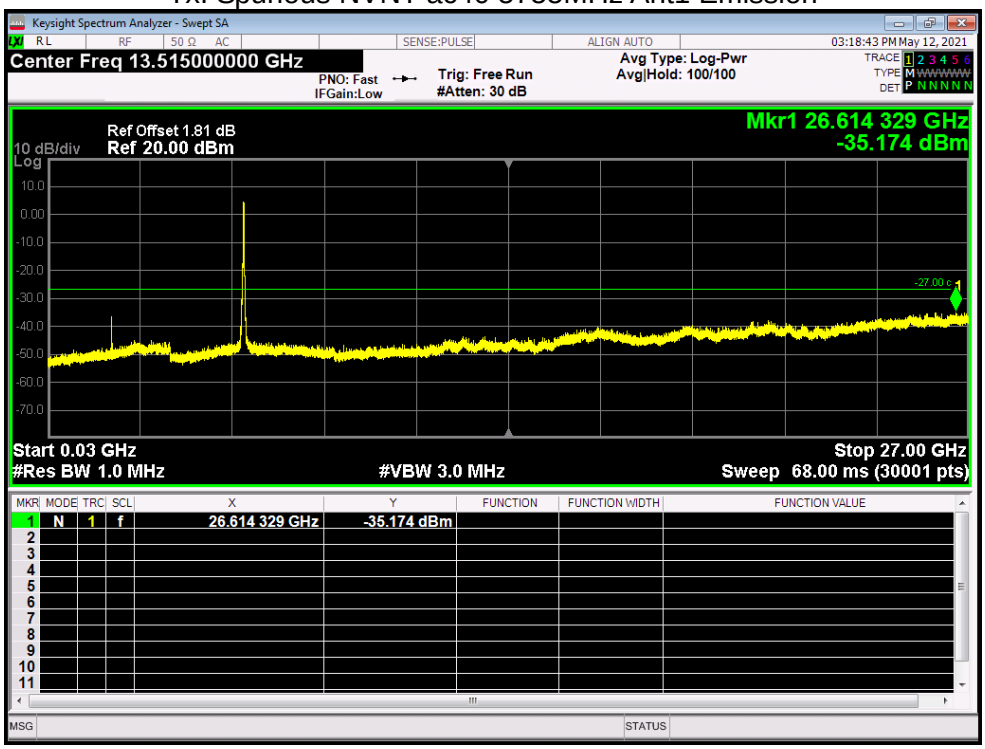
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



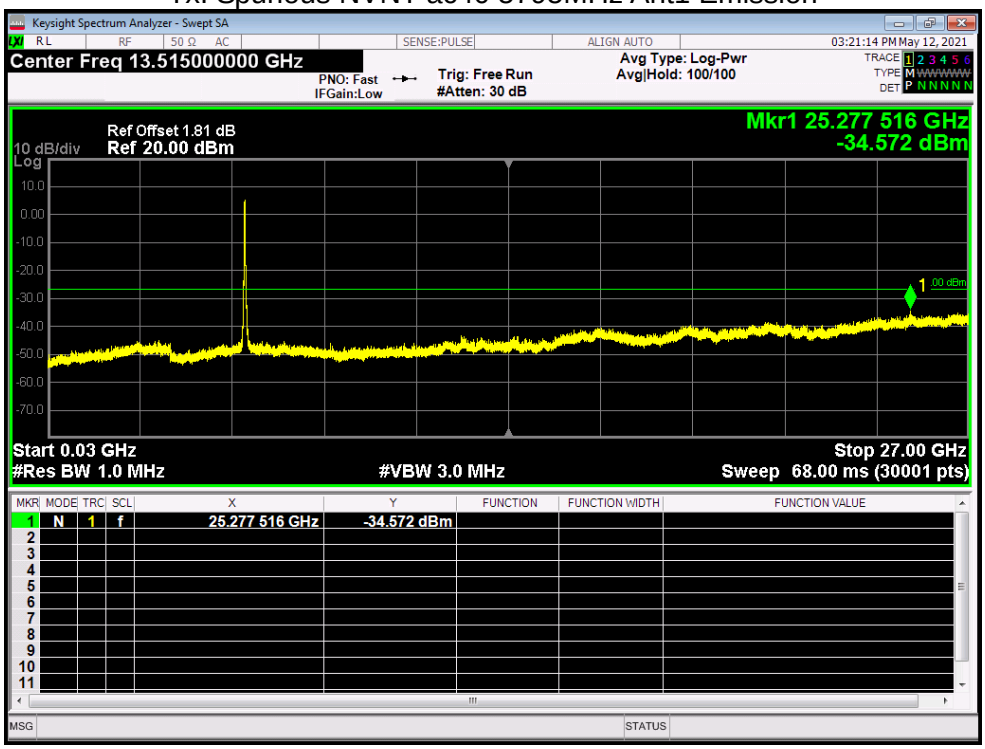
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



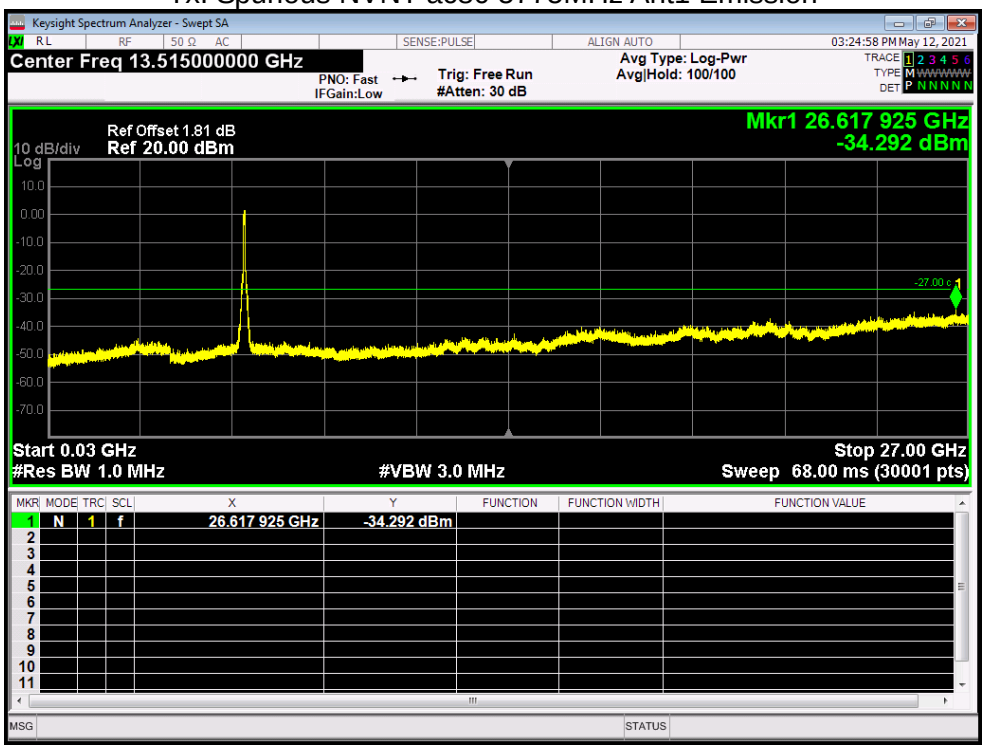
Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



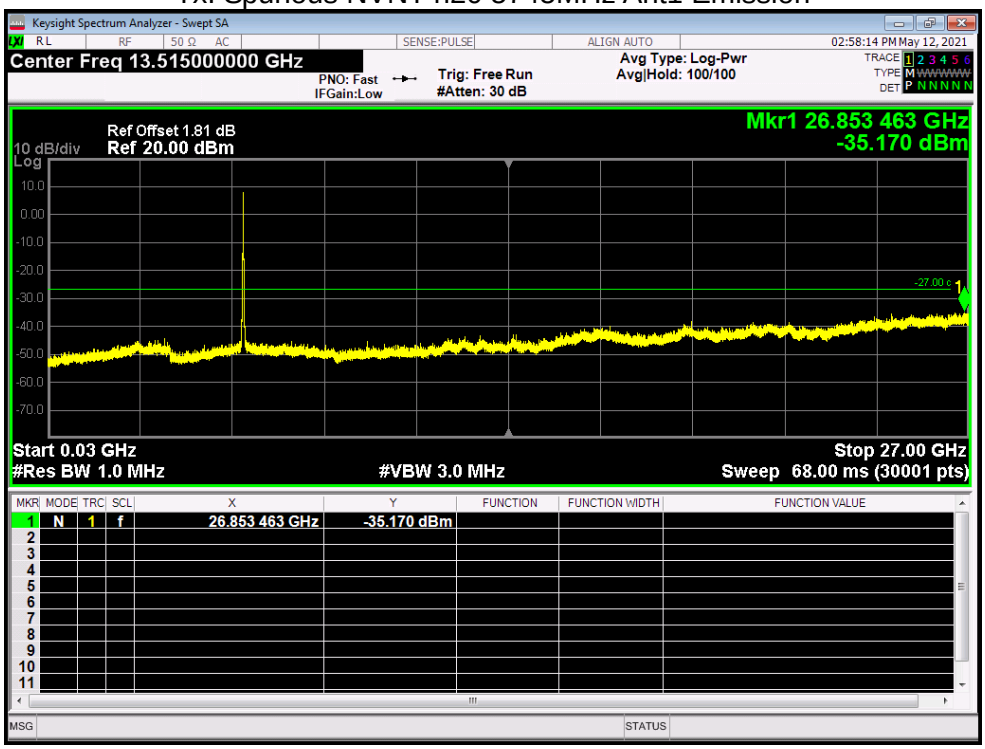
Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



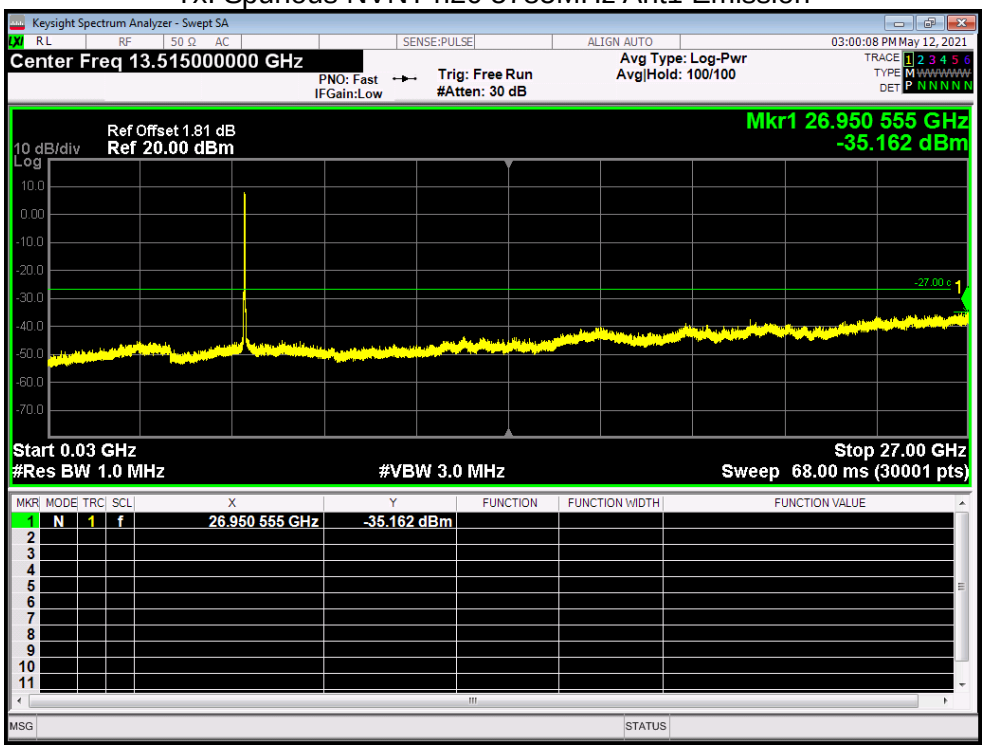
Tx. Spurious NVNT ac80 5775MHz Ant1 Emission



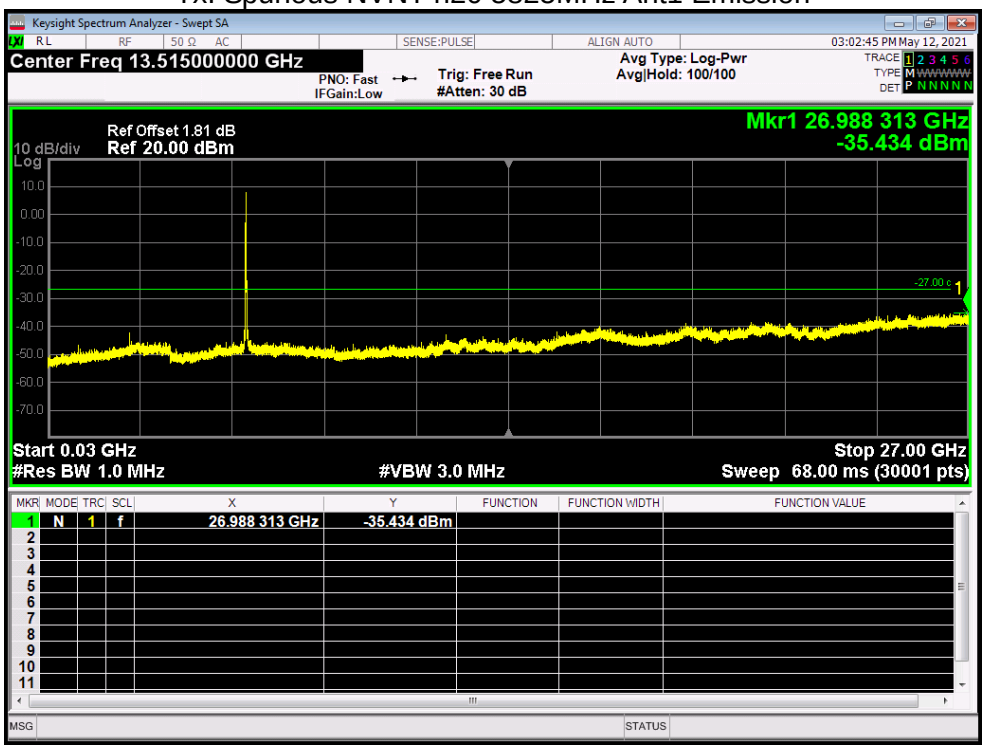
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



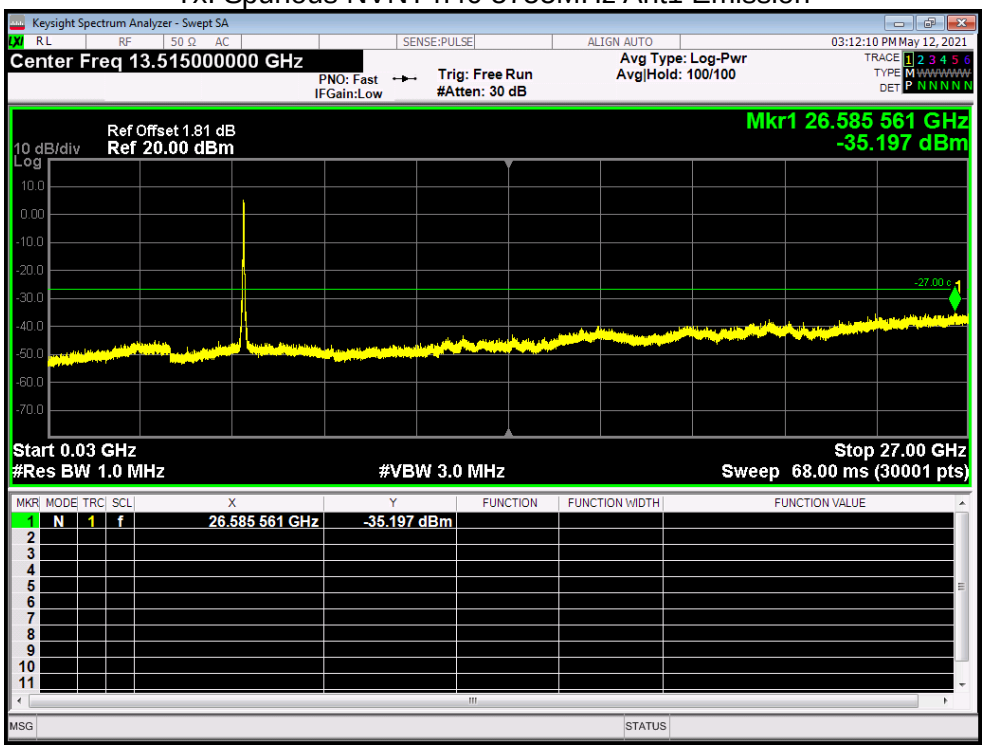
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



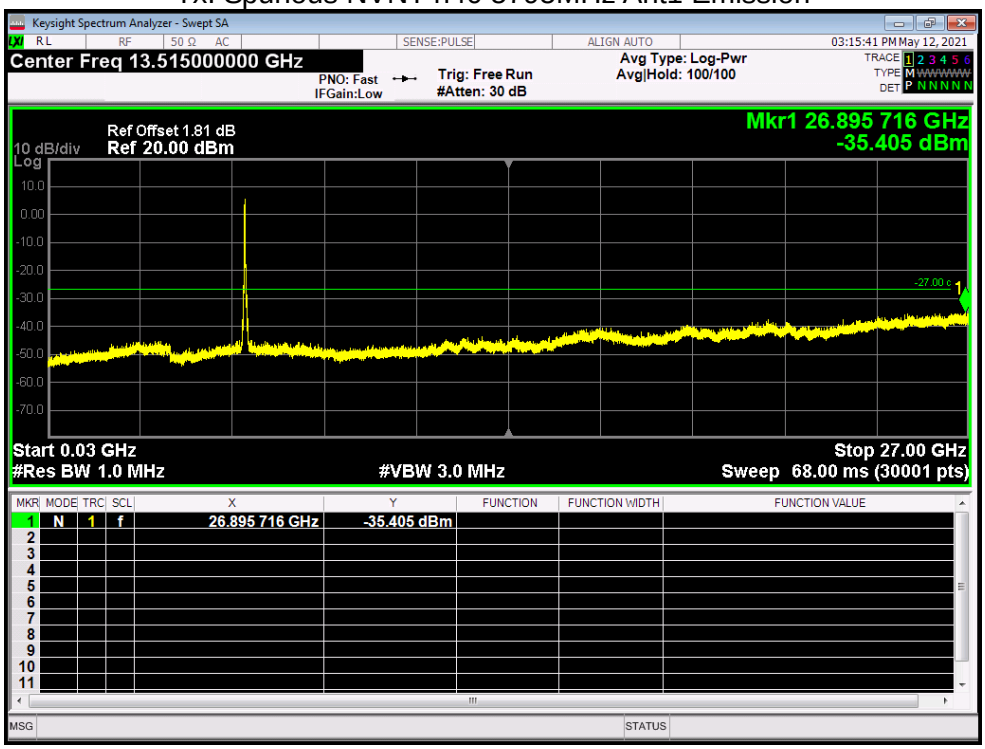
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



Tx. Spurious NVNT n40 5755MHz Ant1 Emission



Tx. Spurious NVNT n40 5795MHz Ant1 Emission



END OF REPORT