FCC Test Report

ANNEX 1 5.8GWIFI

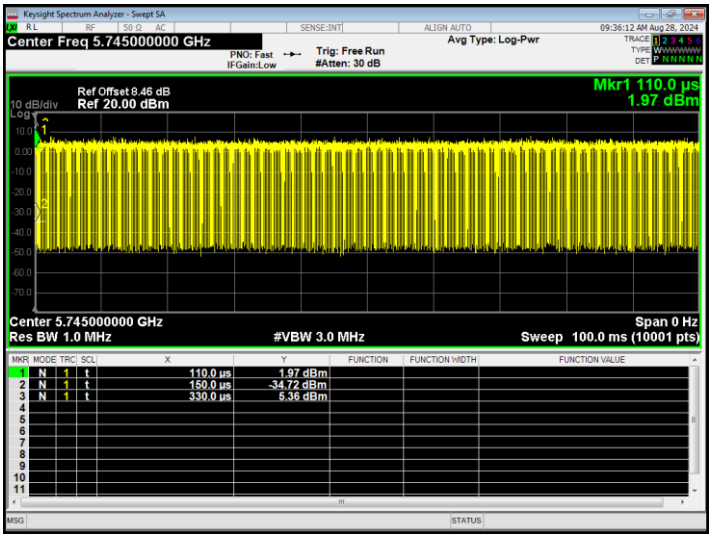
FCC ID: 2BKP3-V1

Applicant:	Guangzhou Weijie Electronic Technology Co., Ltd
Address:	No.07, 15 / F, Guangzhou Zhanwang Digital Plaza, No.8 Shipai West Road, Tianhe District, Guangzhou
Manufacturer:	Guangzhou Weijie Electronic Technology Co., Ltd
Address:	No.07, 15 / F, Guangzhou Zhanwang Digital Plaza, No.8 Shipai West Road, Tianhe District, Guangzhou
EUT:	Projector
Trade Mark:	N/A
Model Number:	V1 V1pro, HY300, HY300A, C3, C1, C5, C6, C8
Date of Receipt:	Aug. 21, 2024
Test Date:	Aug. 21, 2024 - Sep.05, 2024
Date of Report:	Sep.05, 2024
Prepared By:	Shenzhen DL Testing Technology Co., Ltd.
Address:	101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China
Applicable Standards:	FCC PART 15 E 15.407 ANSI C63.10:2013
Test Result:	Pass

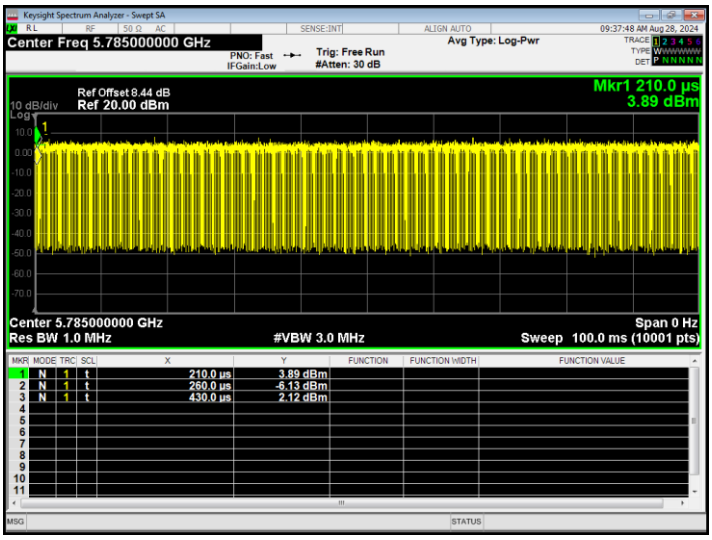
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	81.82	0.87
NVNT	a	5785	Ant1	77.27	1.12
NVNT	a	5825	Ant1	81.82	0.87
NVNT	ac20	5745	Ant1	96.32	0.16
NVNT	ac20	5785	Ant1	97.04	0.13
NVNT	ac20	5825	Ant1	97.06	0.13
NVNT	ac40	5755	Ant1	94.29	0.26
NVNT	ac40	5795	Ant1	94.2	0.26
NVNT	n20	5745	Ant1	97.01	0.13
NVNT	n20	5785	Ant1	97.01	0.13
NVNT	n20	5825	Ant1	97.01	0.13
NVNT	n40	5755	Ant1	94.2	0.26
NVNT	n40	5795	Ant1	94.2	0.26

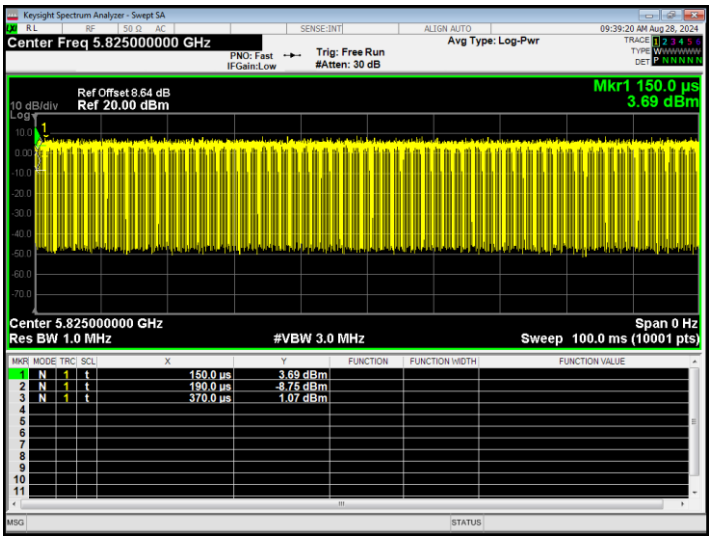
Duty Cycle NVNT a 5745MHz Ant1



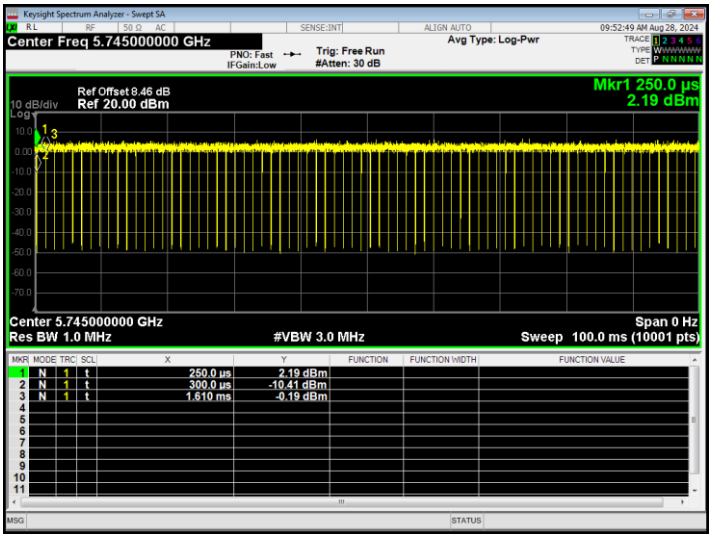
Duty Cycle NVNT a 5785MHz Ant1



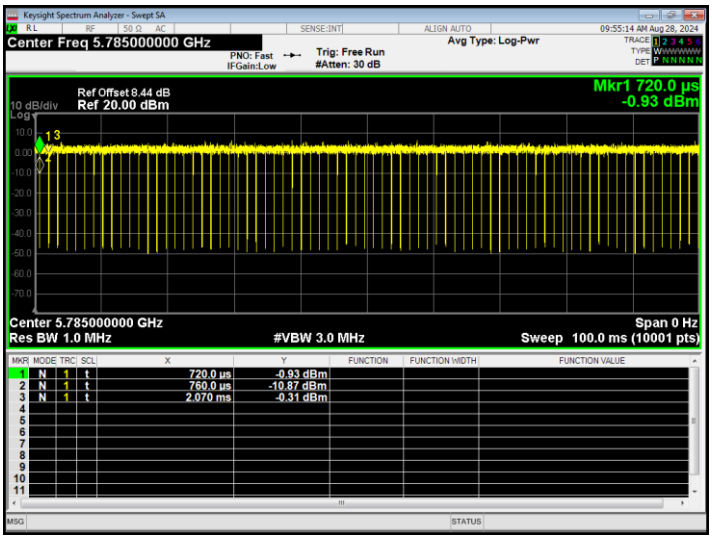
Duty Cycle NVNT a 5825MHz Ant1



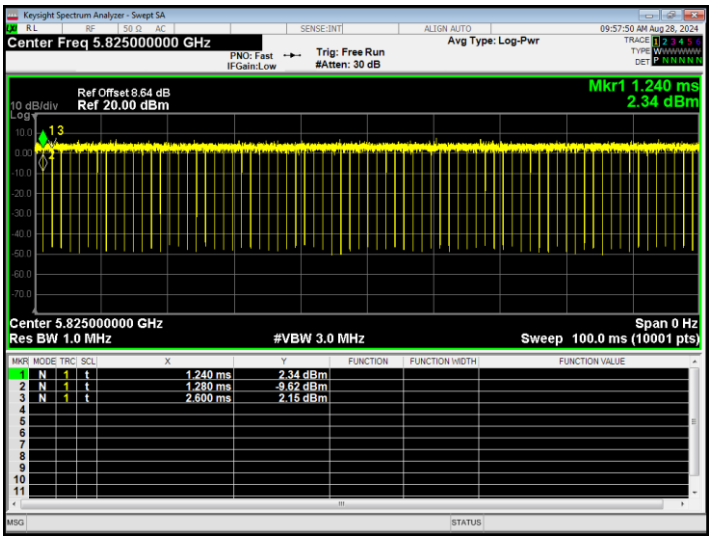
Duty Cycle NVNT ac20 5745MHz Ant1



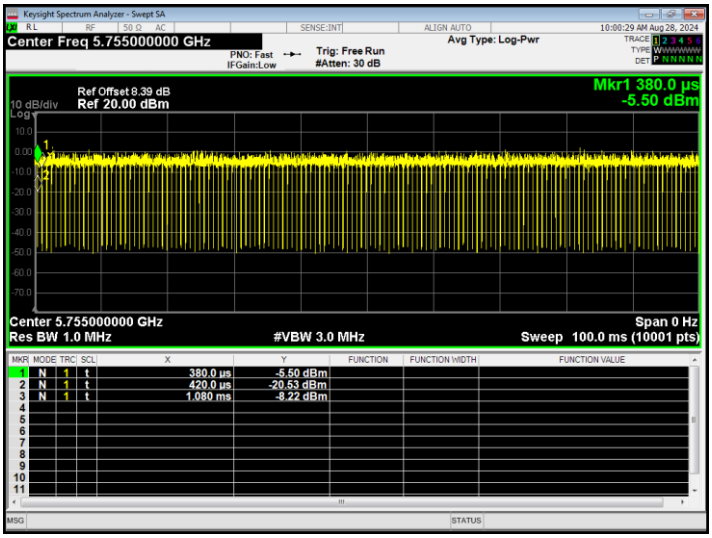
Duty Cycle NVNT ac20 5785MHz Ant1



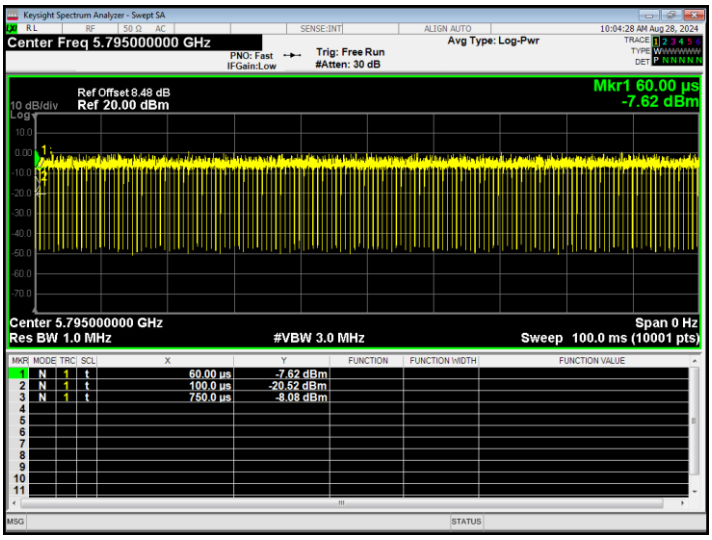
Duty Cycle NVNT ac20 5825MHz Ant1



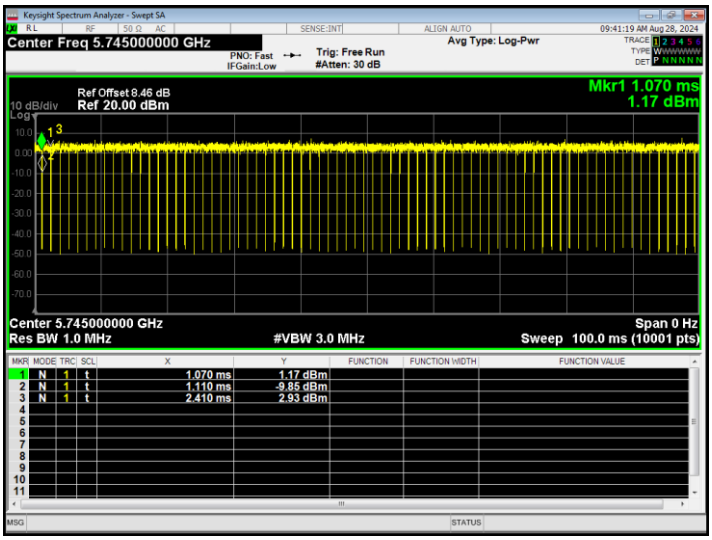
Duty Cycle NVNT ac40 5755MHz Ant1



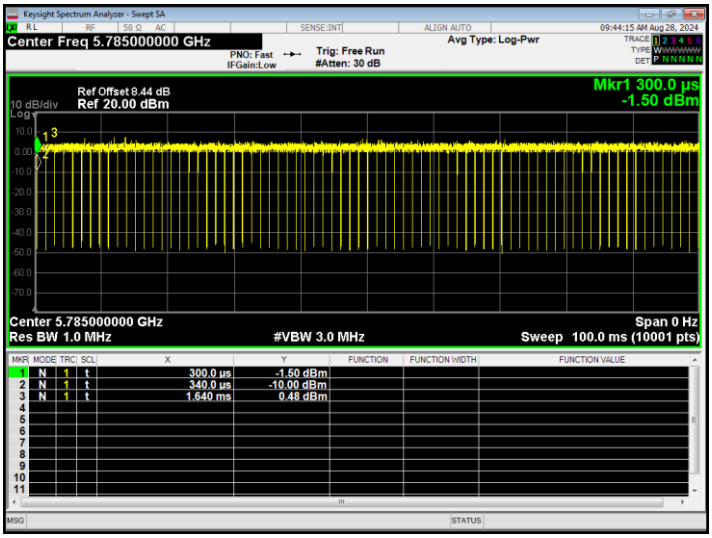
Duty Cycle NVNT ac40 5795MHz Ant1



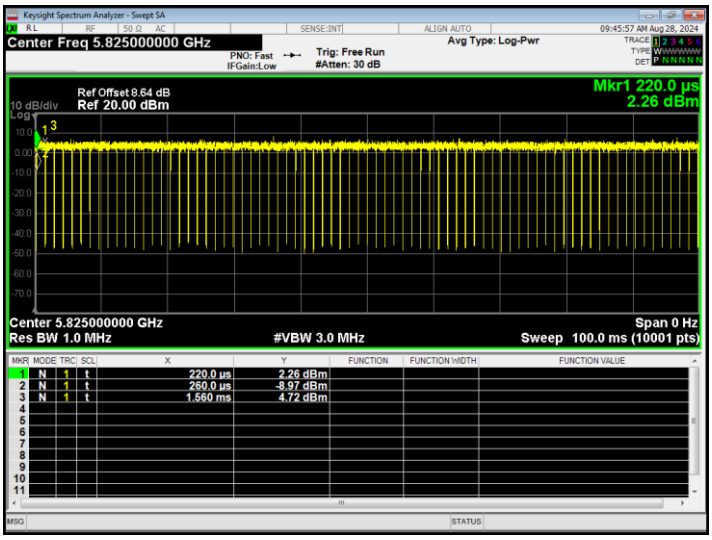
Duty Cycle NVNT n20 5745MHz Ant1



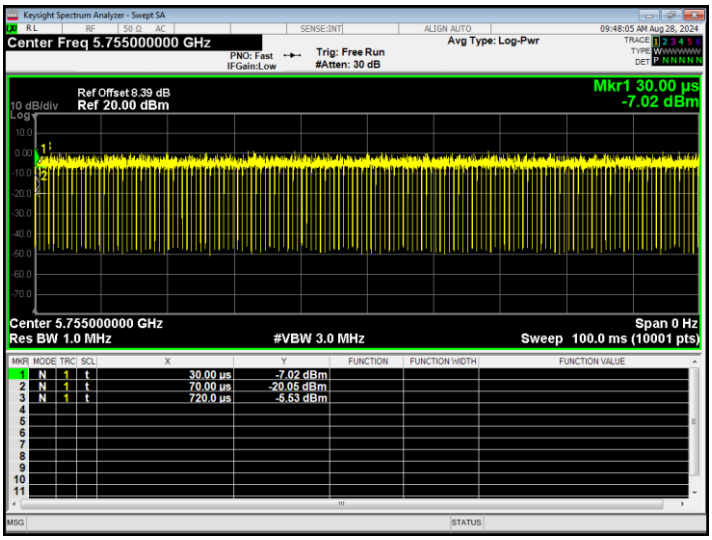
Duty Cycle NVNT n20 5785MHz Ant1



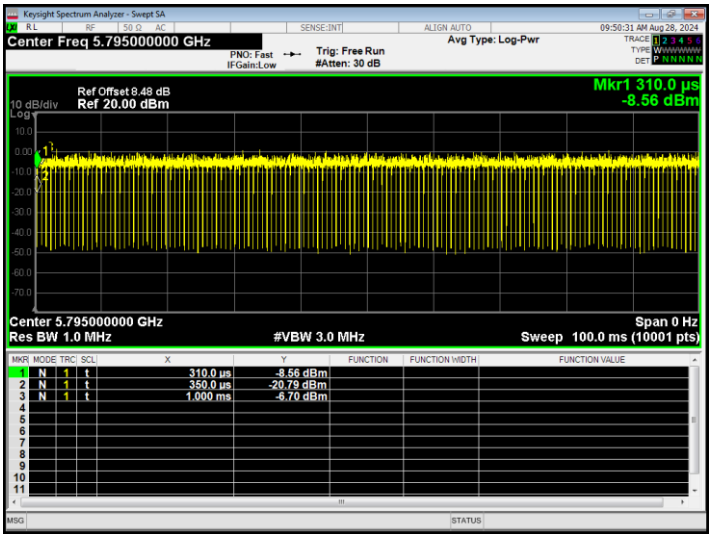
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



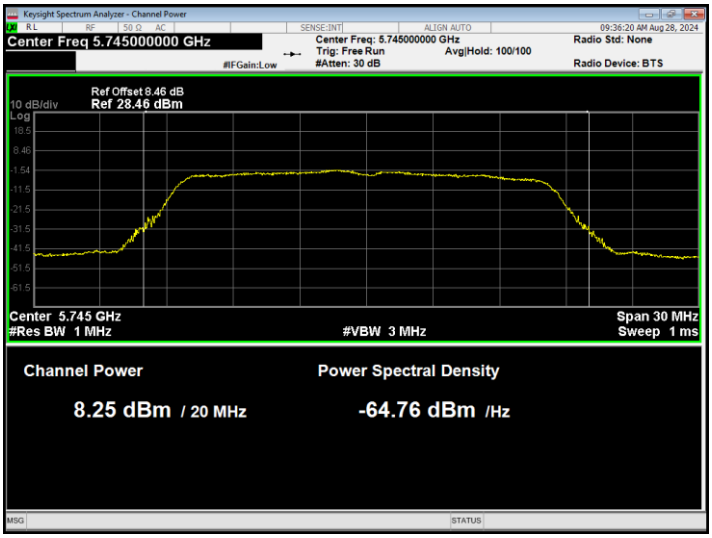
Duty Cycle NVNT n40 5795MHz Ant1



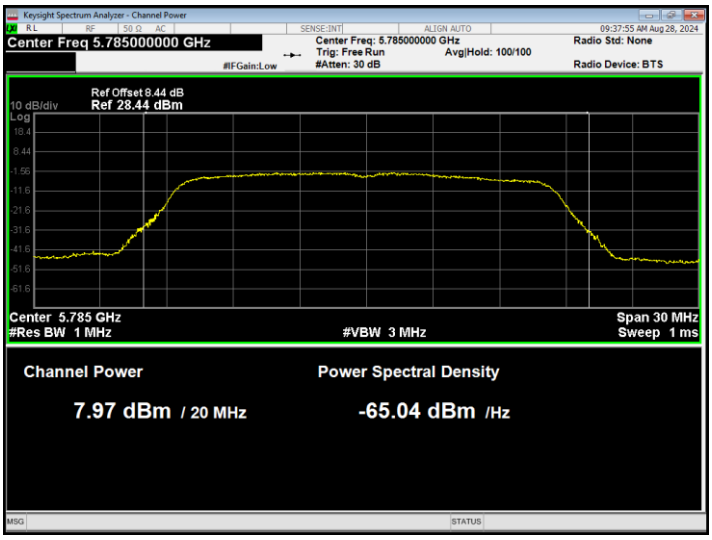
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	8.251	0.87	9.121	30	Pass
NVNT	a	5785	Ant1	7.968	1.12	9.088	30	Pass
NVNT	a	5825	Ant1	8.863	0.87	9.733	30	Pass
NVNT	ac20	5745	Ant1	8.583	0.16	8.743	30	Pass
NVNT	ac20	5785	Ant1	8.011	0.13	8.141	30	Pass
NVNT	ac20	5825	Ant1	8.914	0.13	9.044	30	Pass
NVNT	ac40	5755	Ant1	8.418	0.26	8.678	30	Pass
NVNT	ac40	5795	Ant1	7.781	0.26	8.041	30	Pass
NVNT	n20	5745	Ant1	9.234	0.13	9.364	30	Pass
NVNT	n20	5785	Ant1	8.563	0.13	8.693	30	Pass
NVNT	n20	5825	Ant1	8.893	0.13	9.023	30	Pass
NVNT	n40	5755	Ant1	8.163	0.26	8.423	30	Pass
NVNT	n40	5795	Ant1	8.996	0.26	9.256	30	Pass

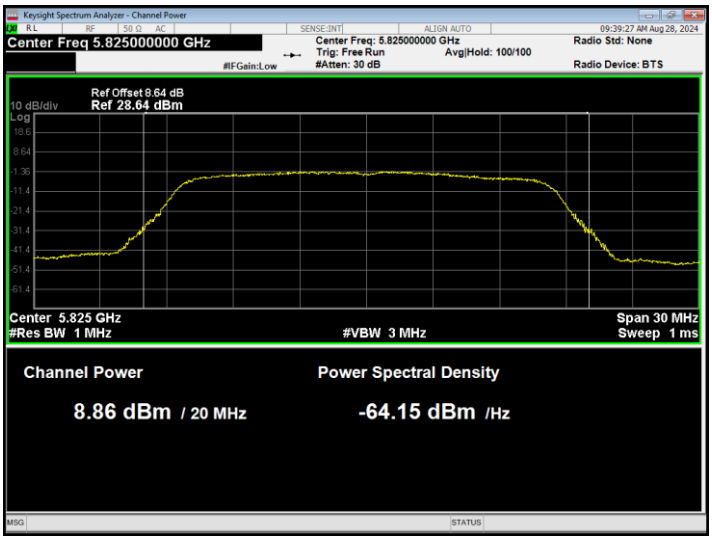
Power NVNT a 5745MHz Ant1



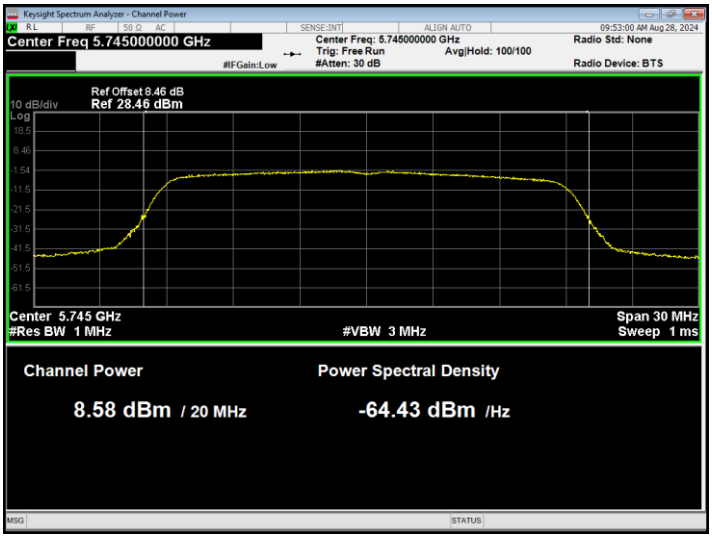
Power NVNT a 5785MHz Ant1



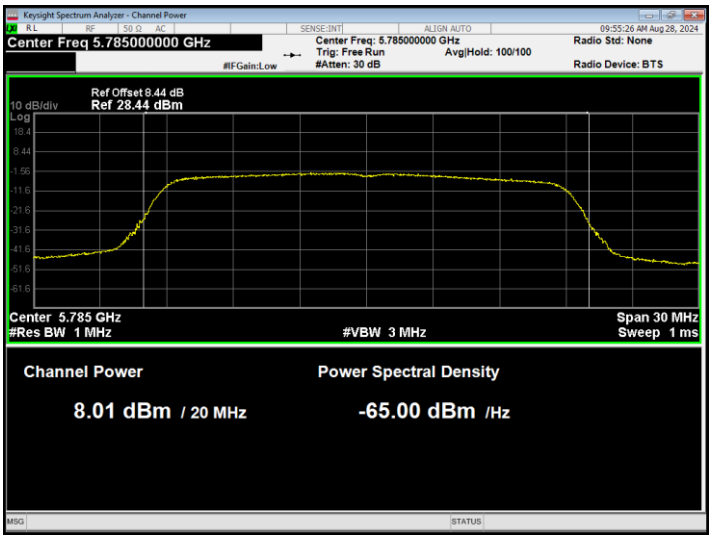
Power NVNT a 5825MHz Ant1



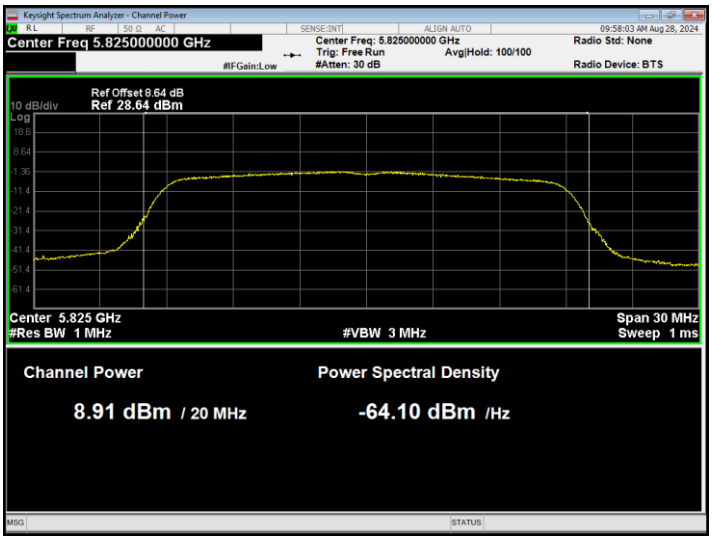
Power NVNT ac20 5745MHz Ant1



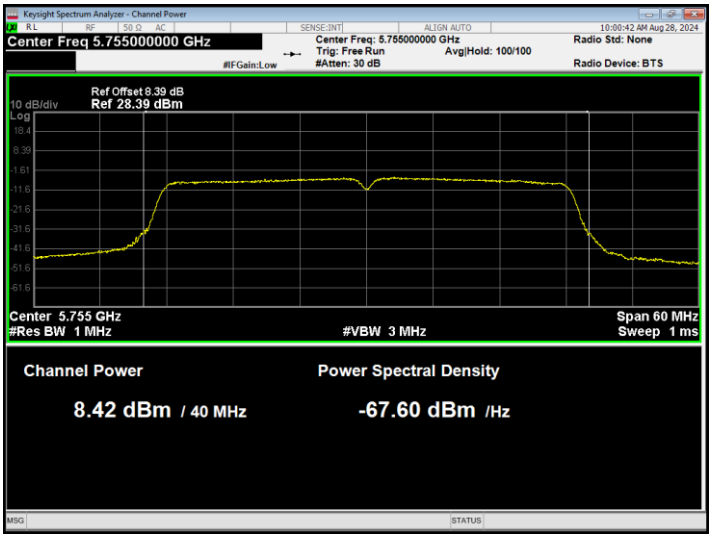
Power NVNT ac20 5785MHz Ant1



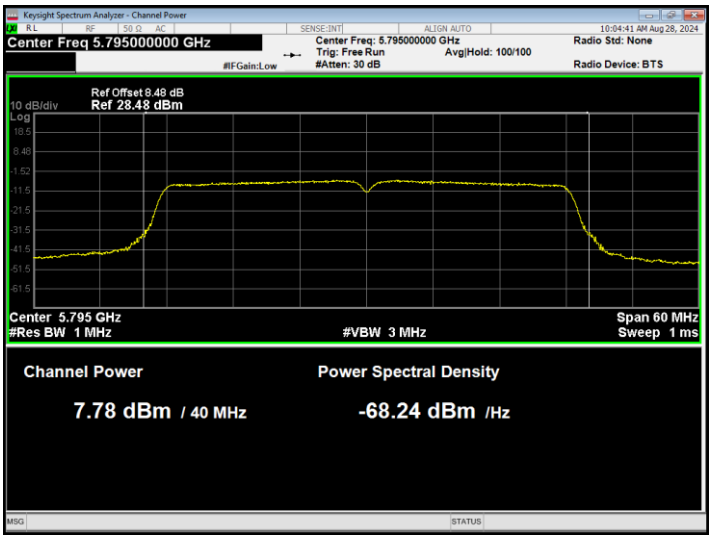
Power NVNT ac20 5825MHz Ant1



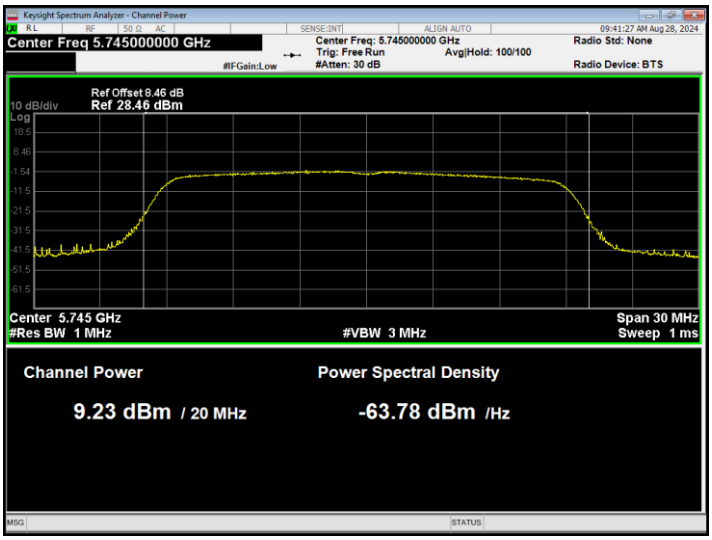
Power NVNT ac40 5755MHz Ant1



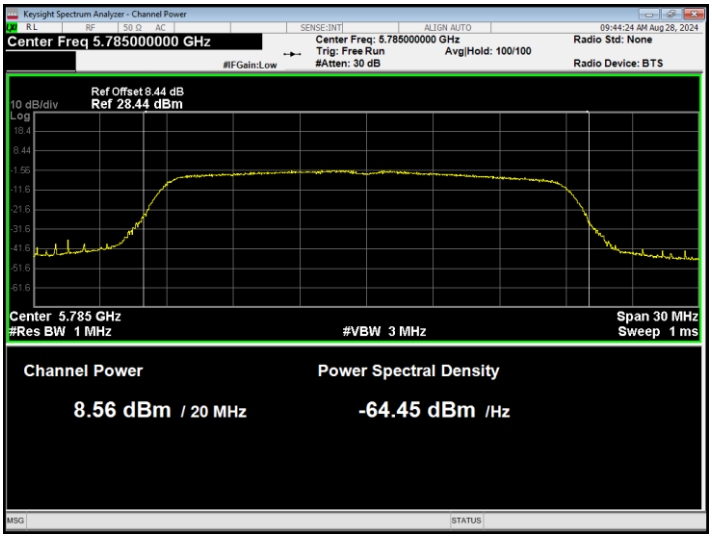
Power NVNT ac40 5795MHz Ant1



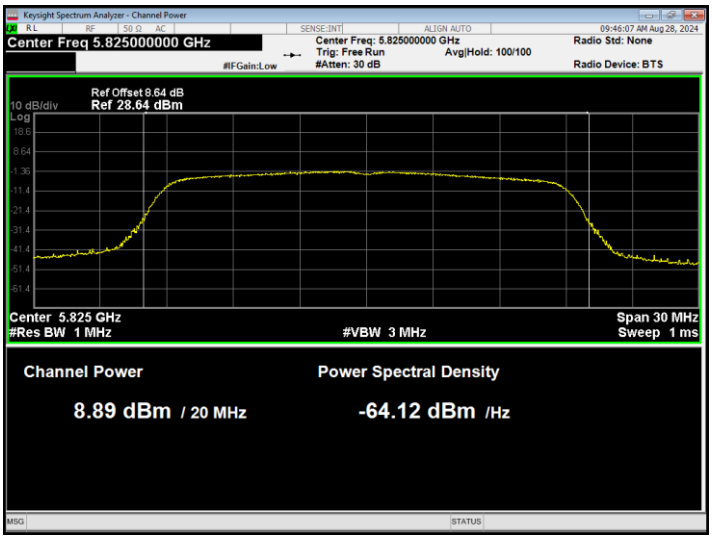
Power NVNT n20 5745MHz Ant1



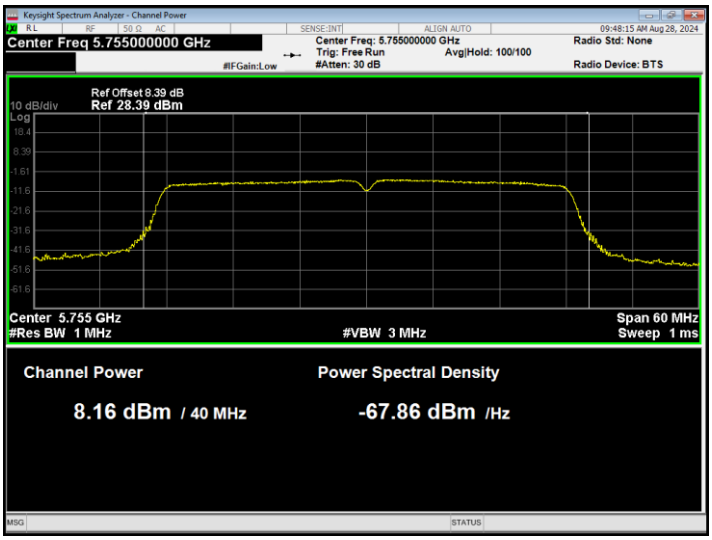
Power NVNT n20 5785MHz Ant1



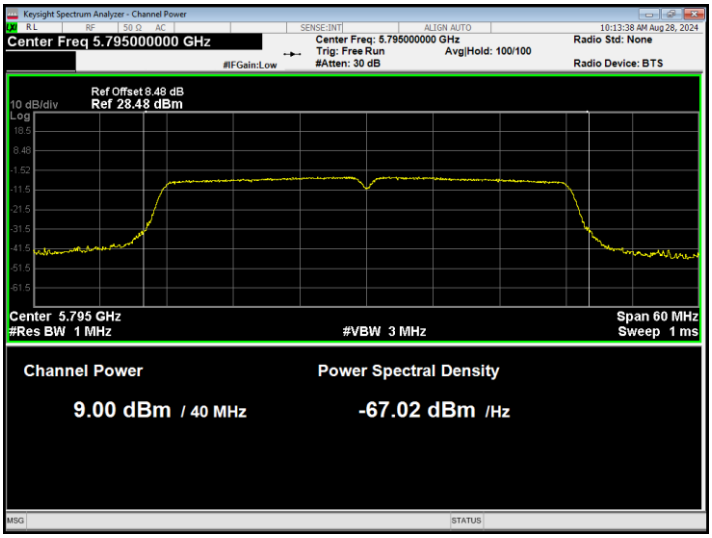
Power NVNT n20 5825MHz Ant1



Power NVNT n40 5755MHz Ant1



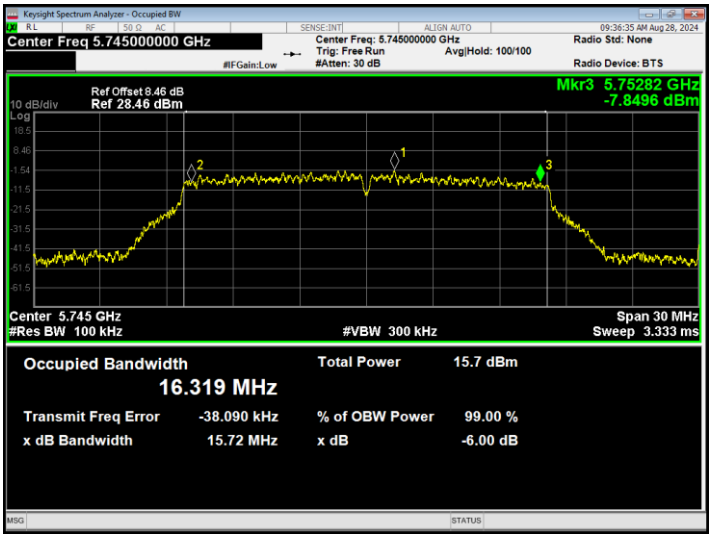
Power NVNT n40 5795MHz Ant1



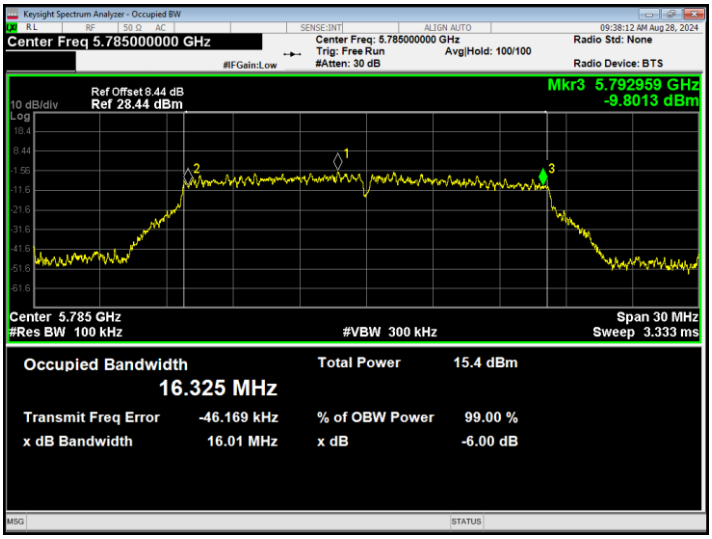
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.717	0.5	Pass
NVNT	a	5785	Ant1	16.009	0.5	Pass
NVNT	a	5825	Ant1	15.335	0.5	Pass
NVNT	ac20	5745	Ant1	14.834	0.5	Pass
NVNT	ac20	5785	Ant1	13.507	0.5	Pass
NVNT	ac20	5825	Ant1	13.836	0.5	Pass
NVNT	ac40	5755	Ant1	35.317	0.5	Pass
NVNT	ac40	5795	Ant1	35.351	0.5	Pass
NVNT	n20	5745	Ant1	15.973	0.5	Pass
NVNT	n20	5785	Ant1	16.269	0.5	Pass
NVNT	n20	5825	Ant1	15.655	0.5	Pass
NVNT	n40	5755	Ant1	35.101	0.5	Pass
NVNT	n40	5795	Ant1	35.351	0.5	Pass

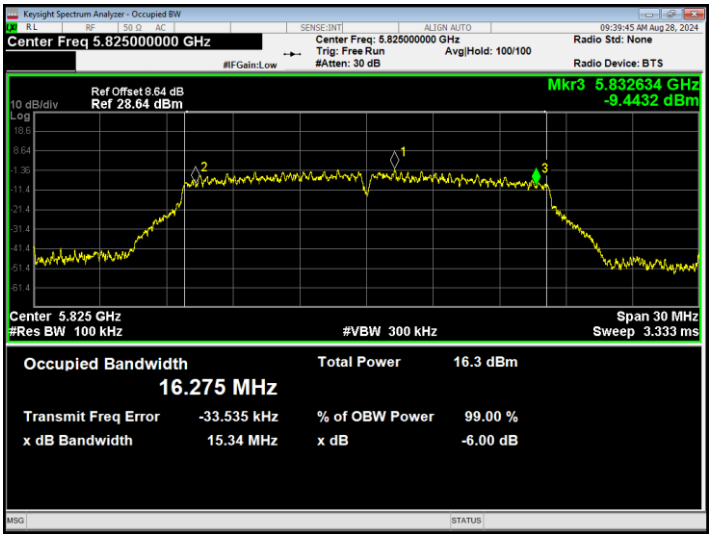
-6dB Bandwidth NVNT a 5745MHz Ant1



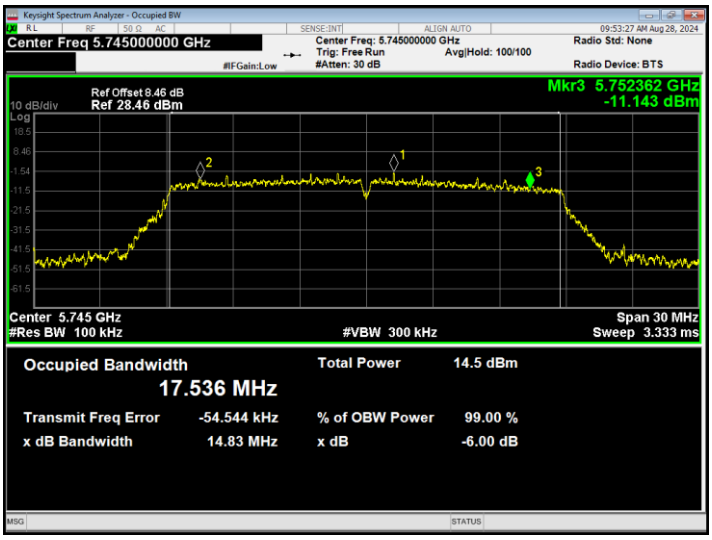
-6dB Bandwidth NVNT a 5785MHz Ant1



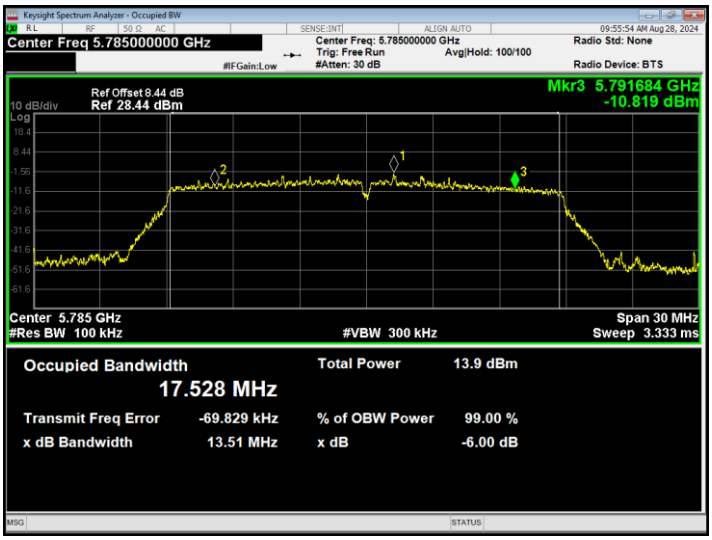
-6dB Bandwidth NVNT a 5825MHz Ant1



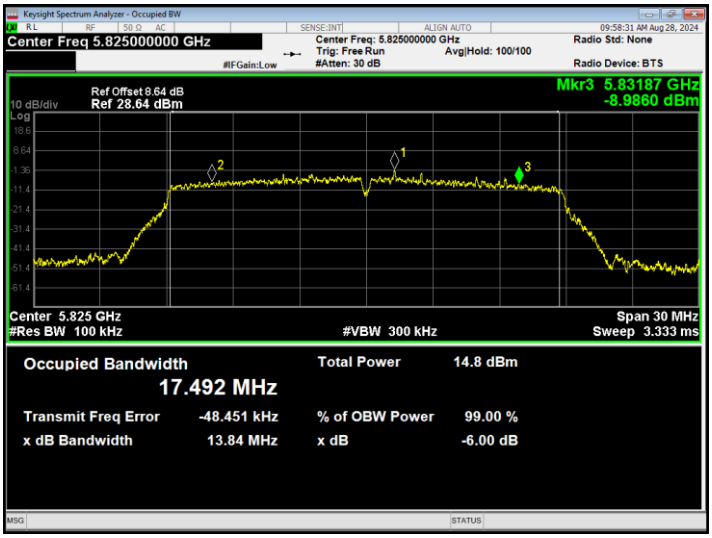
-6dB Bandwidth NVNT ac20 5745MHz Ant1



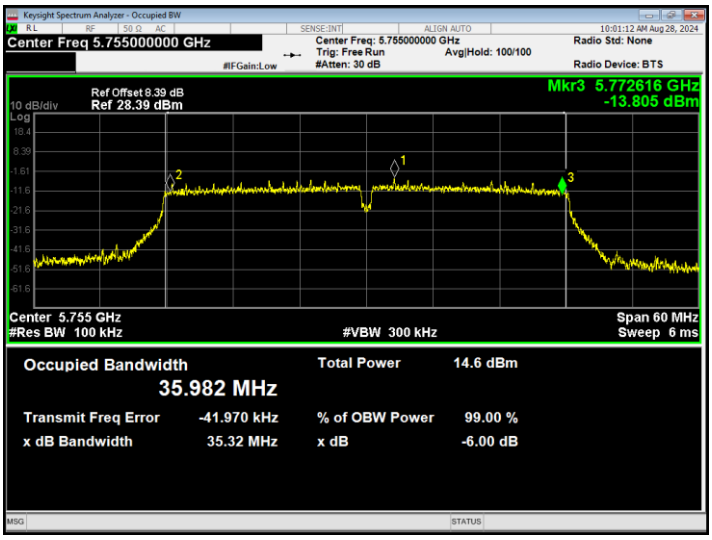
-6dB Bandwidth NVNT ac20 5785MHz Ant1



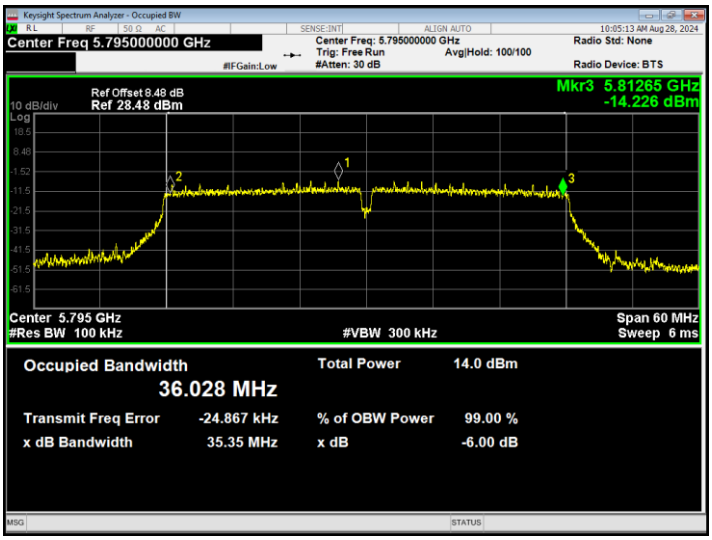
-6dB Bandwidth NVNT ac20 5825MHz Ant1



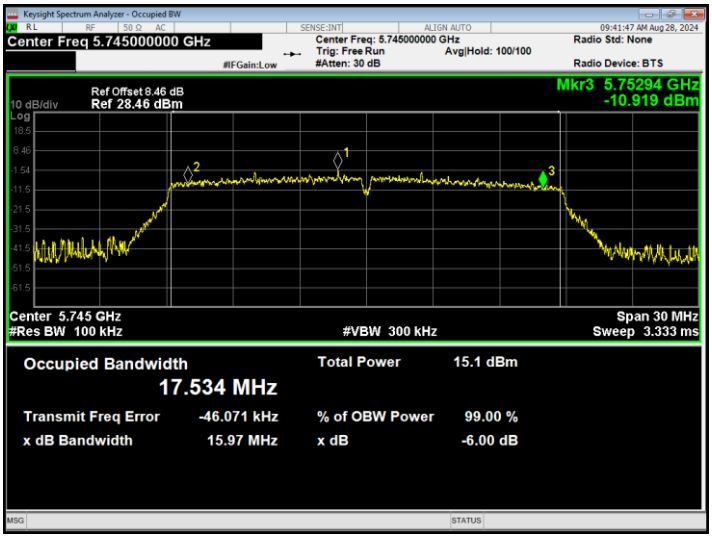
-6dB Bandwidth NVNT ac40 5755MHz Ant1



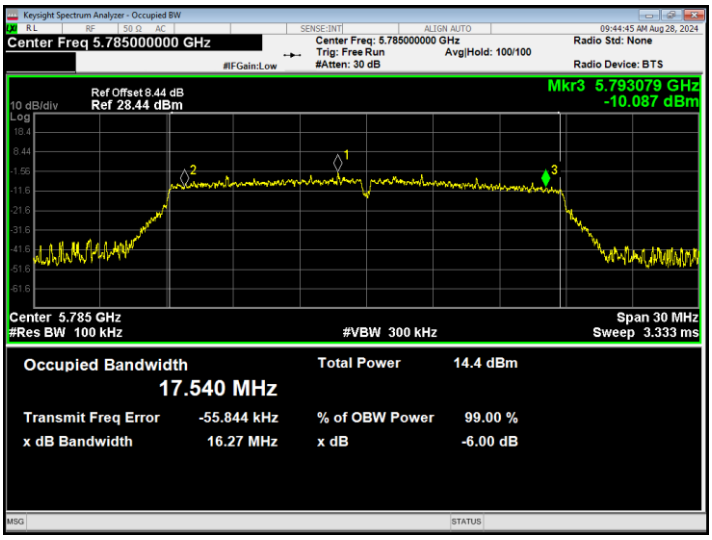
-6dB Bandwidth NVNT ac40 5795MHz Ant1



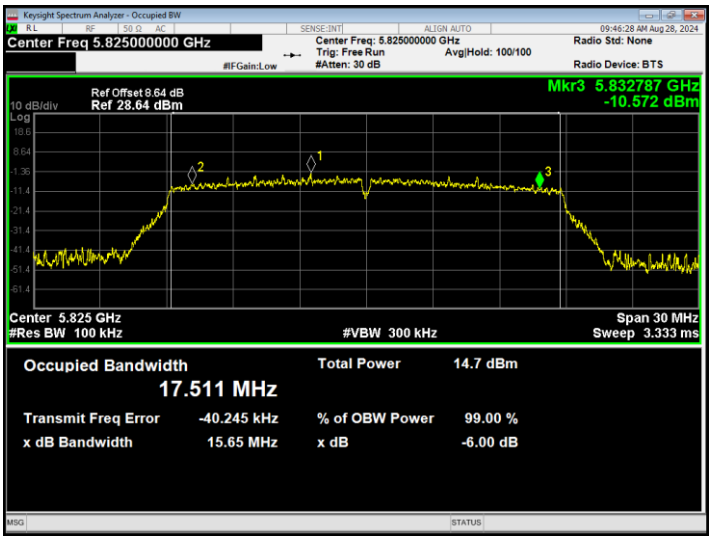
-6dB Bandwidth NVNT n20 5745MHz Ant1



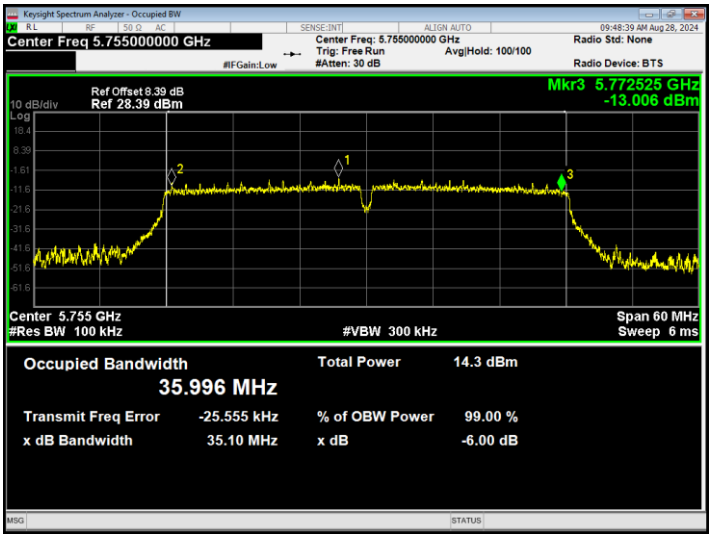
-6dB Bandwidth NVNT n20 5785MHz Ant1



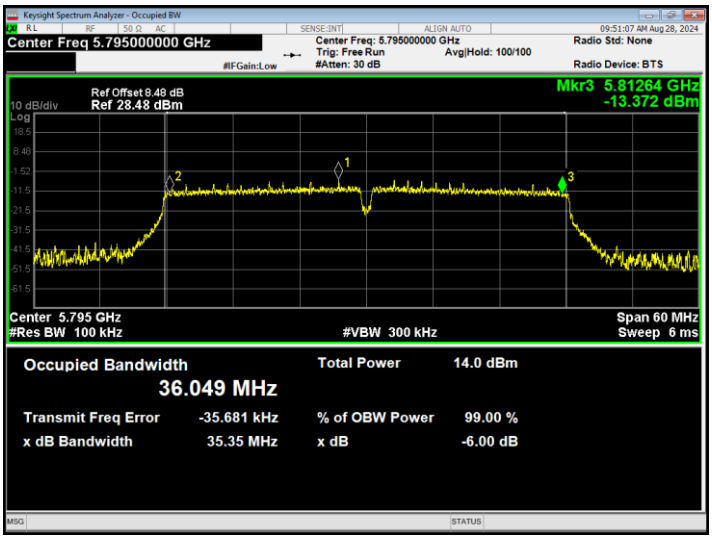
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



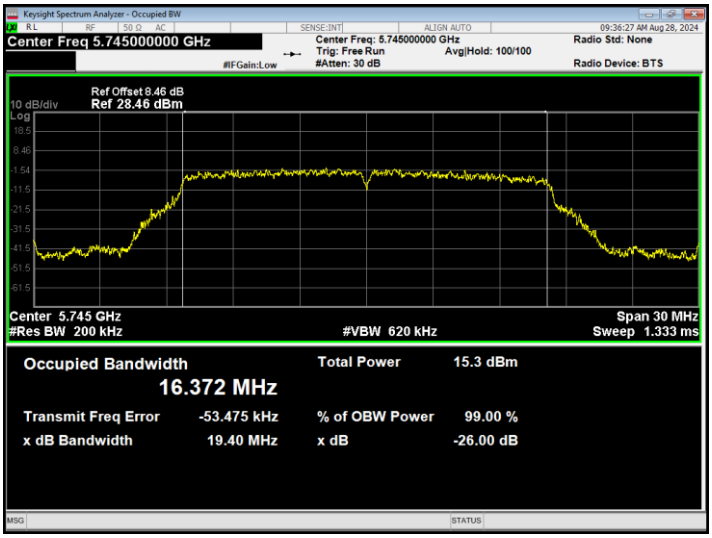
-6dB Bandwidth NVNT n40 5795MHz Ant1



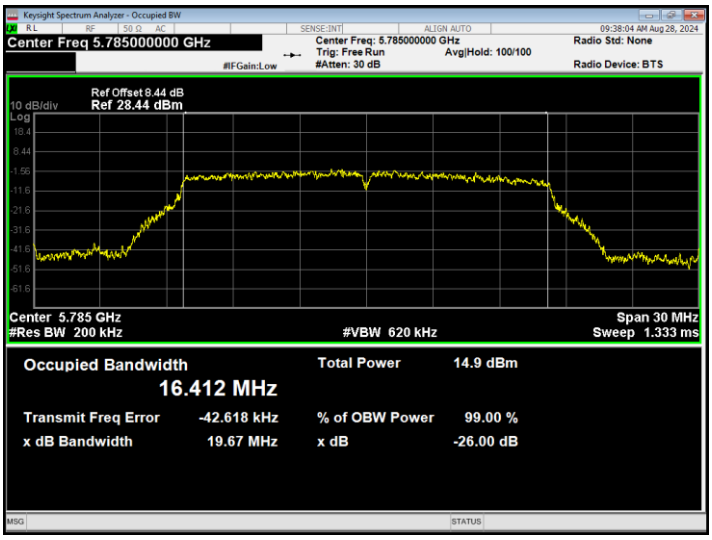
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.37191708
NVNT	a	5785	Ant1	16.41225649
NVNT	a	5825	Ant1	16.33720732
NVNT	ac20	5745	Ant1	17.59252598
NVNT	ac20	5785	Ant1	17.53748838
NVNT	ac20	5825	Ant1	17.51802073
NVNT	ac40	5755	Ant1	36.11074751
NVNT	ac40	5795	Ant1	36.16220396
NVNT	n20	5745	Ant1	17.57225257
NVNT	n20	5785	Ant1	17.54250835
NVNT	n20	5825	Ant1	17.52819924
NVNT	n40	5755	Ant1	36.1515123
NVNT	n40	5795	Ant1	36.18061395

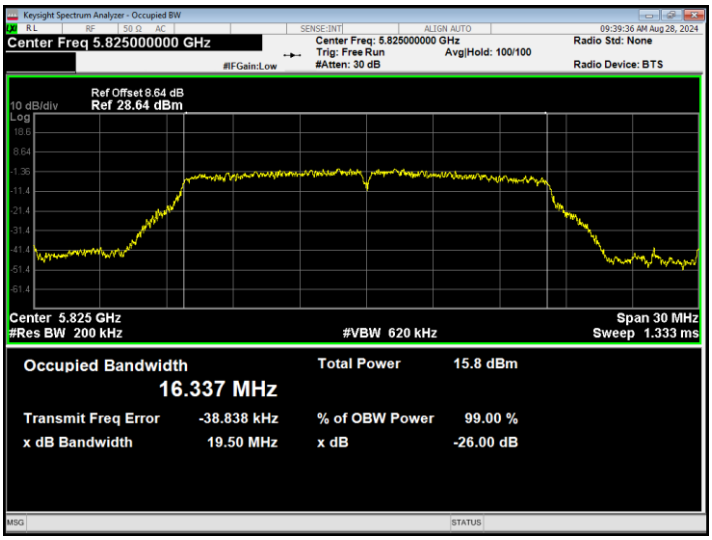
OBW NVNT a 5745MHz Ant1



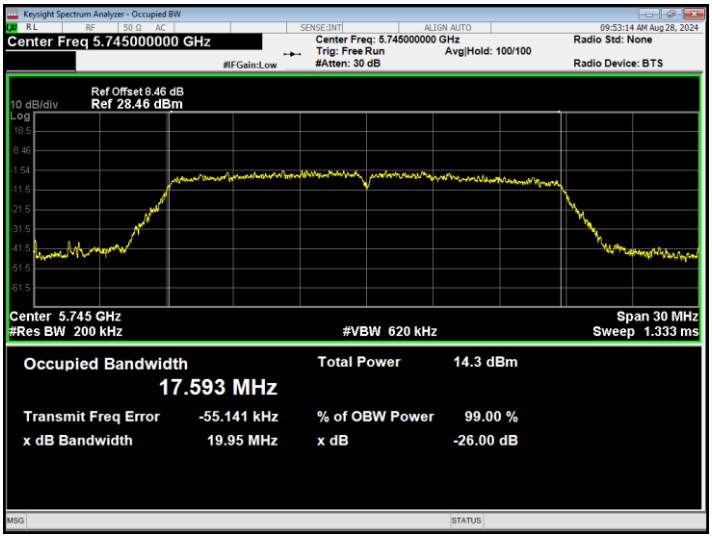
OBW NVNT a 5785MHz Ant1



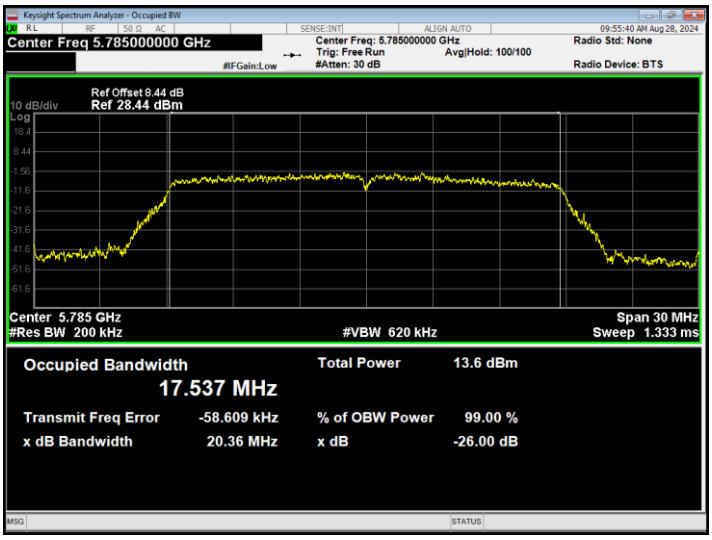
OBW NVNT a 5825MHz Ant1



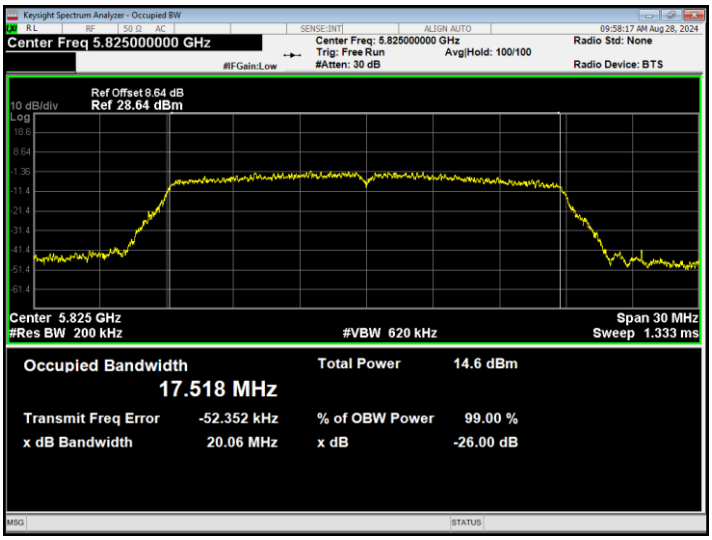
OBW NVNT ac20 5745MHz Ant1



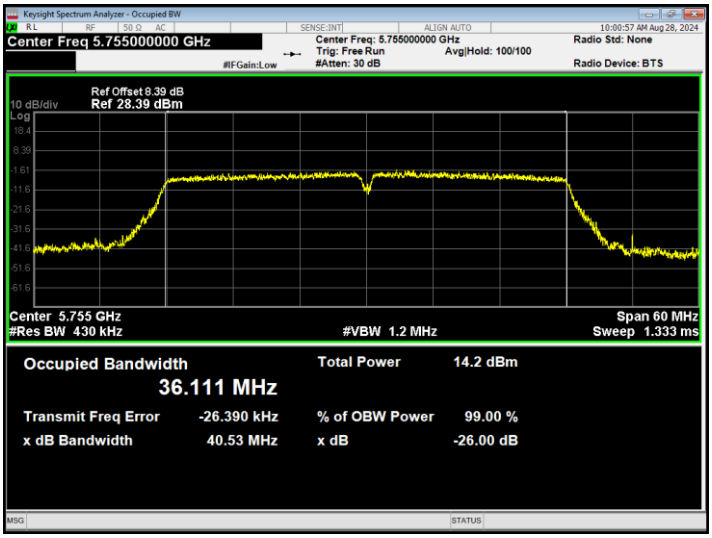
OBW NVNT ac20 5785MHz Ant1



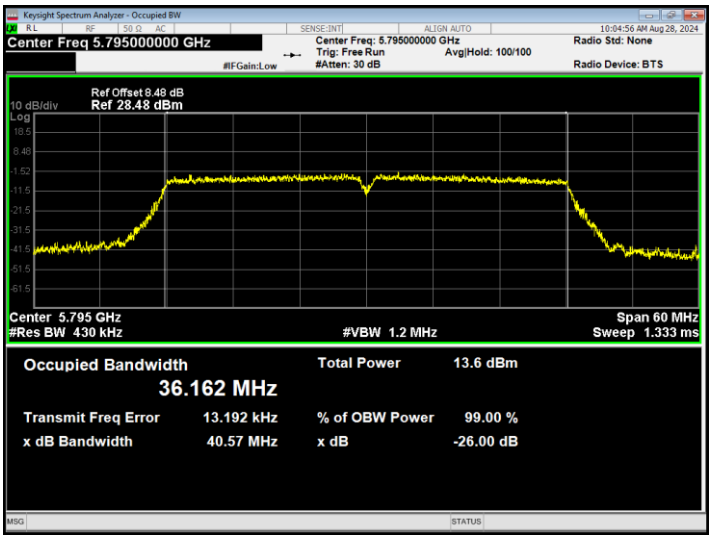
OBW NVNT ac20 5825MHz Ant1



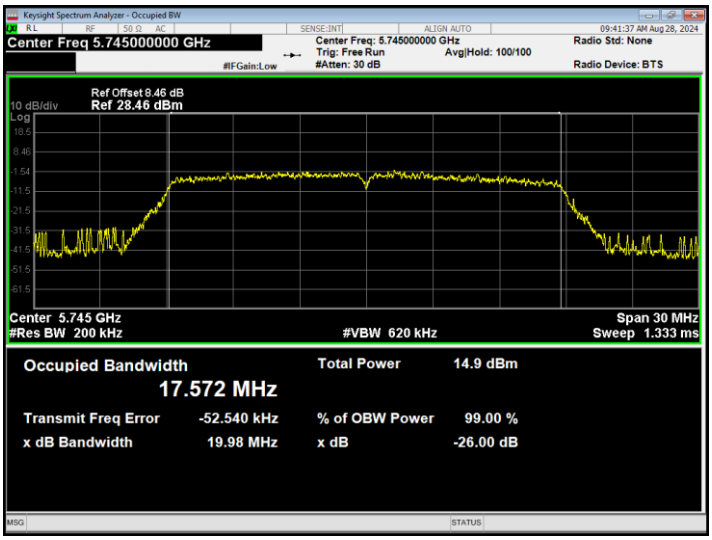
OBW NVNT ac40 5755MHz Ant1



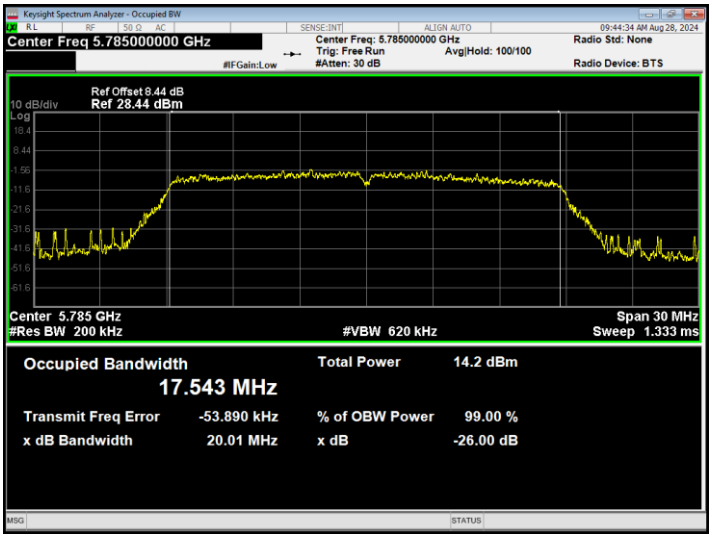
OBW NVNT ac40 5795MHz Ant1



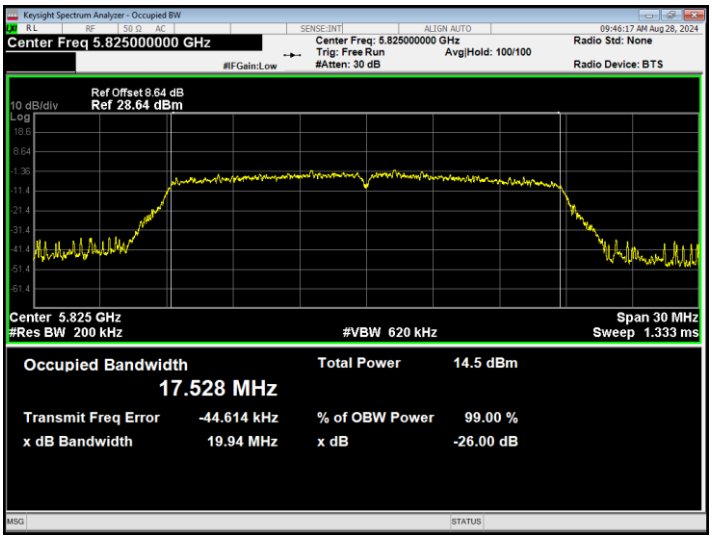
OBW NVNT n20 5745MHz Ant1



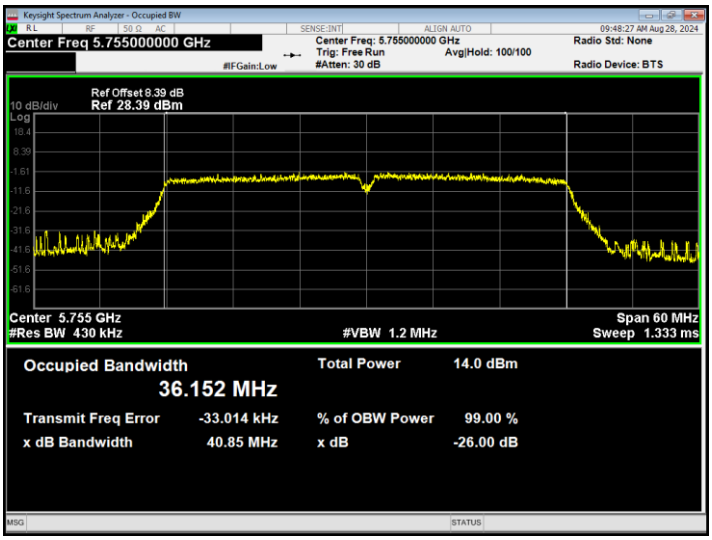
OBW NVNT n20 5785MHz Ant1



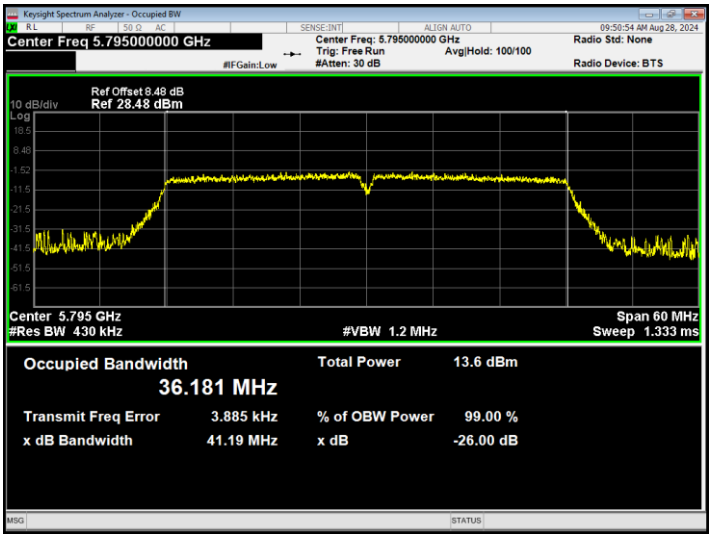
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



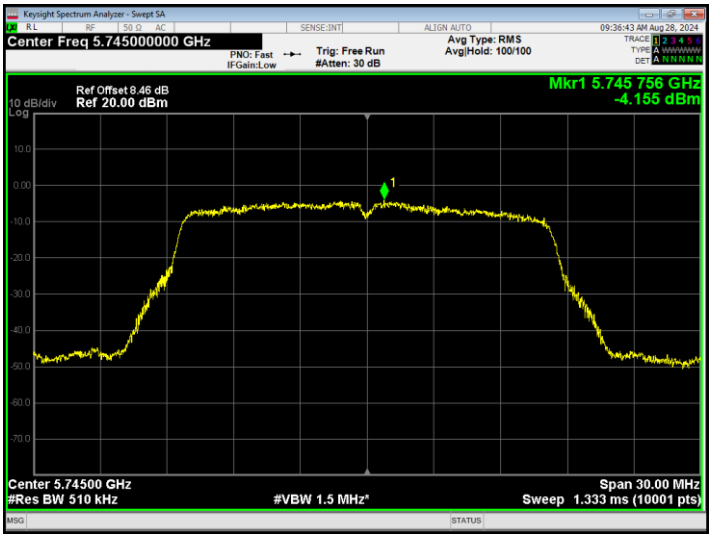
OBW NVNT n40 5795MHz Ant1



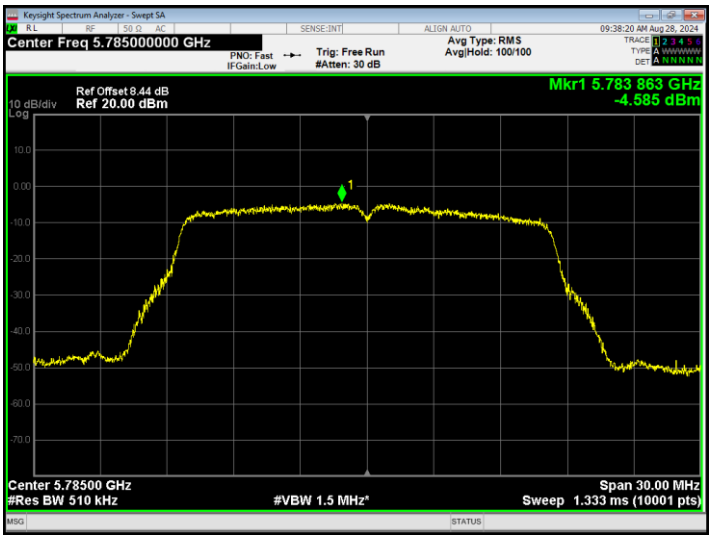
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/ 510KHz)	Duty Factor (dB)	Total PSD (dBm/ 510KHz)	Limit (dBm/ 500KHz)	Verdict
NVNT	a	5745	Ant1	-4.155	0.87	-3.285	30	Pass
NVNT	a	5785	Ant1	-4.585	1.12	-3.465	30	Pass
NVNT	a	5825	Ant1	-3.09	0.87	-2.22	30	Pass
NVNT	ac20	5745	Ant1	-4.106	0.16	-3.946	30	Pass
NVNT	ac20	5785	Ant1	-4.789	0.13	-4.659	30	Pass
NVNT	ac20	5825	Ant1	-3.342	0.13	-3.212	30	Pass
NVNT	ac40	5755	Ant1	-7.762	0.26	-7.502	30	Pass
NVNT	ac40	5795	Ant1	-8.718	0.26	-8.458	30	Pass
NVNT	n20	5745	Ant1	-3.543	0.13	-3.413	30	Pass
NVNT	n20	5785	Ant1	-4.334	0.13	-4.204	30	Pass
NVNT	n20	5825	Ant1	-3.71	0.13	-3.58	30	Pass
NVNT	n40	5755	Ant1	-8.216	0.26	-7.956	30	Pass
NVNT	n40	5795	Ant1	-8.755	0.26	-8.495	30	Pass

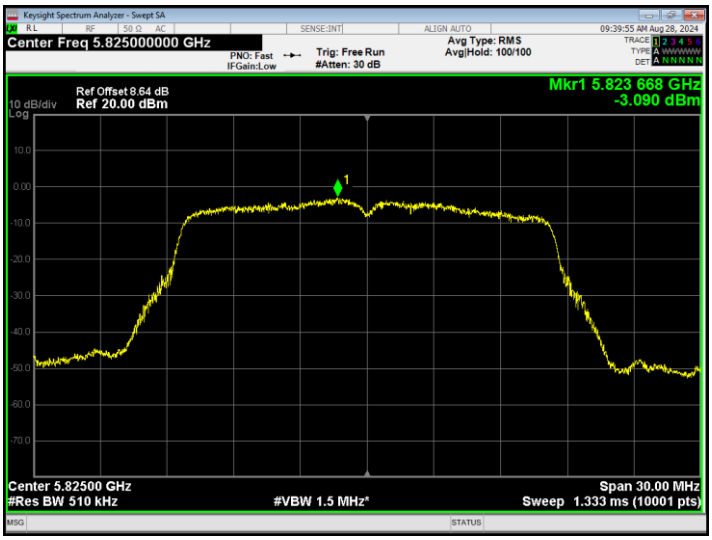
PSD NVNT a 5745MHz Ant1



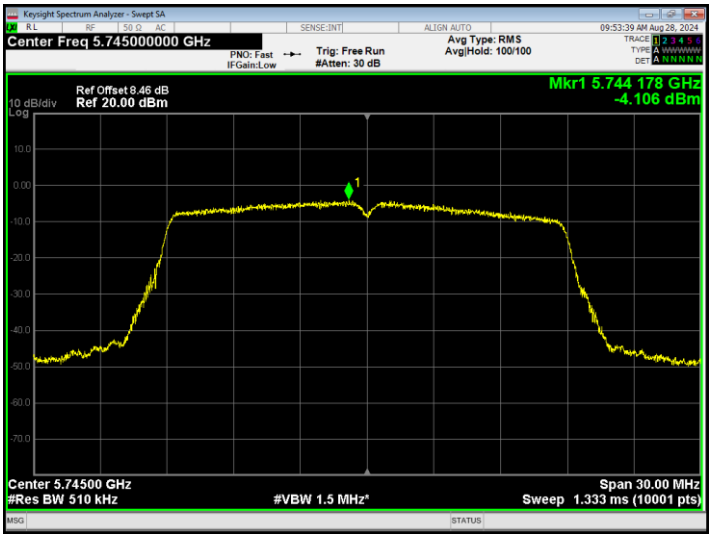
PSD NVNT a 5785MHz Ant1



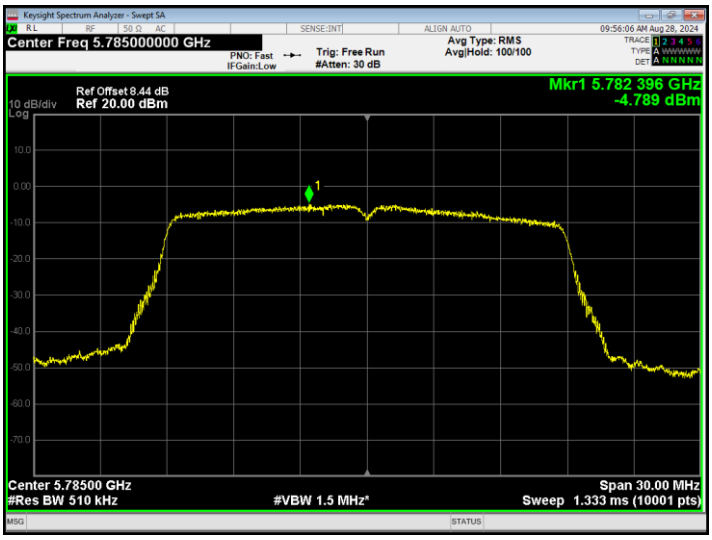
PSD NVNT a 5825MHz Ant1



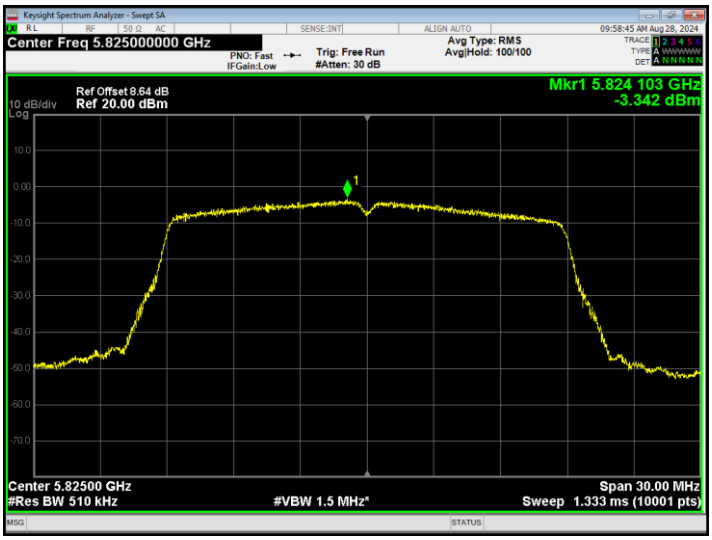
PSD NVNT ac20 5745MHz Ant1



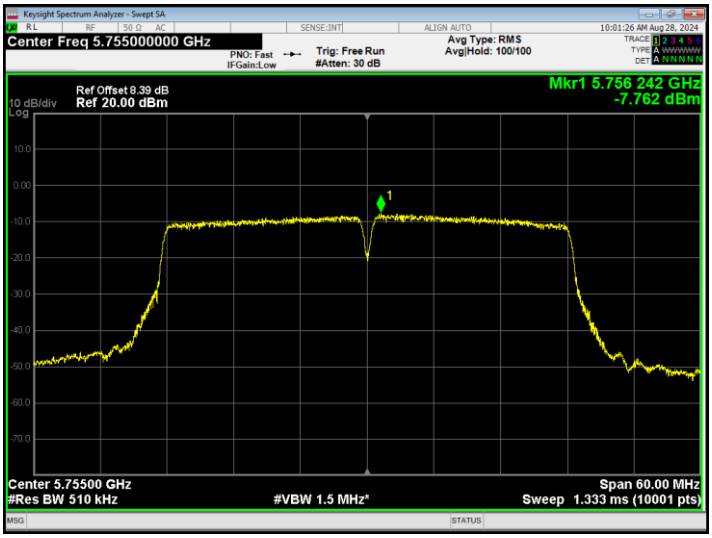
PSD NVNT ac20 5785MHz Ant1



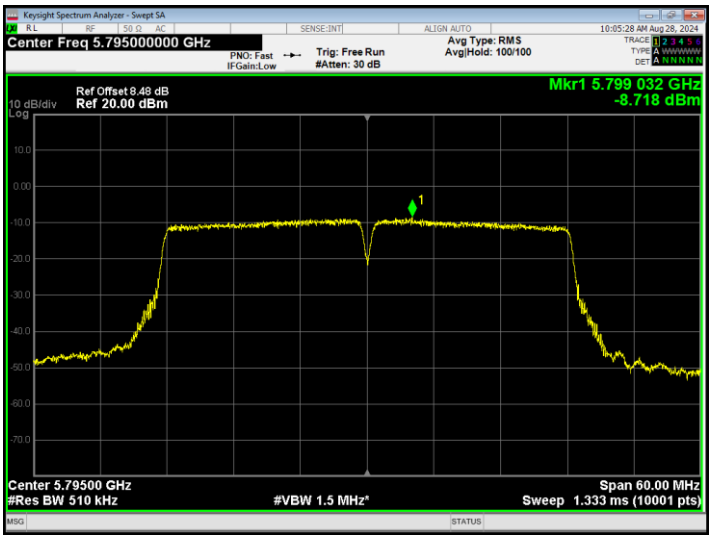
PSD NVNT ac20 5825MHz Ant1



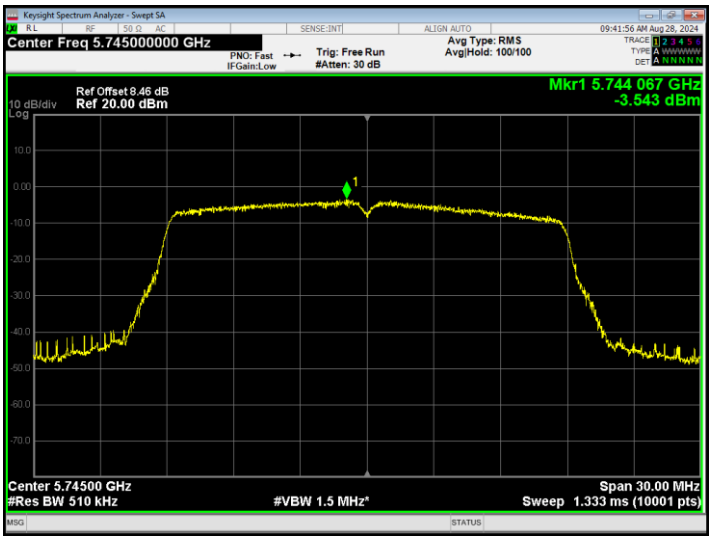
PSD NVNT ac40 5755MHz Ant1



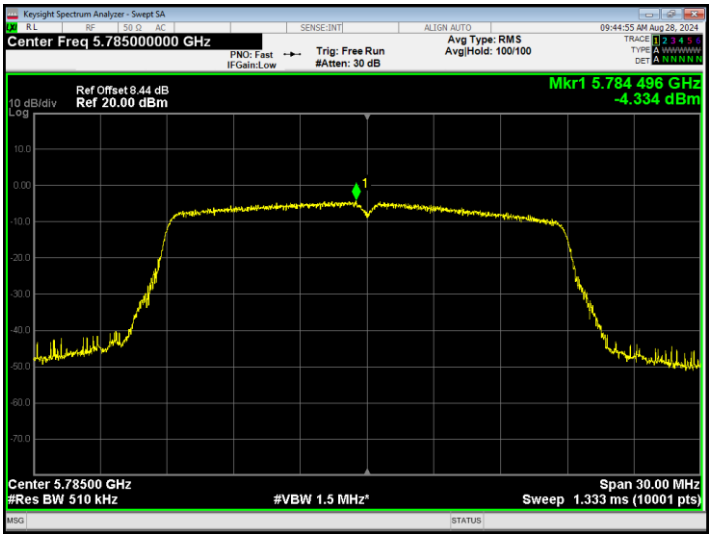
PSD NVNT ac40 5795MHz Ant1



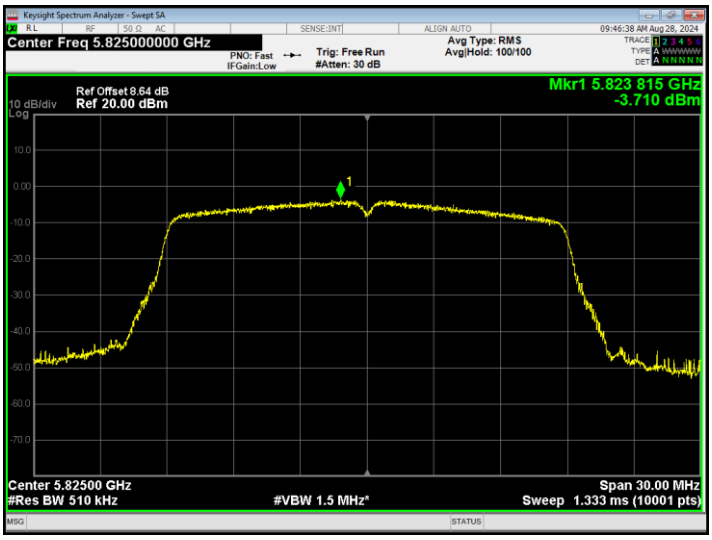
PSD NVNT n20 5745MHz Ant1



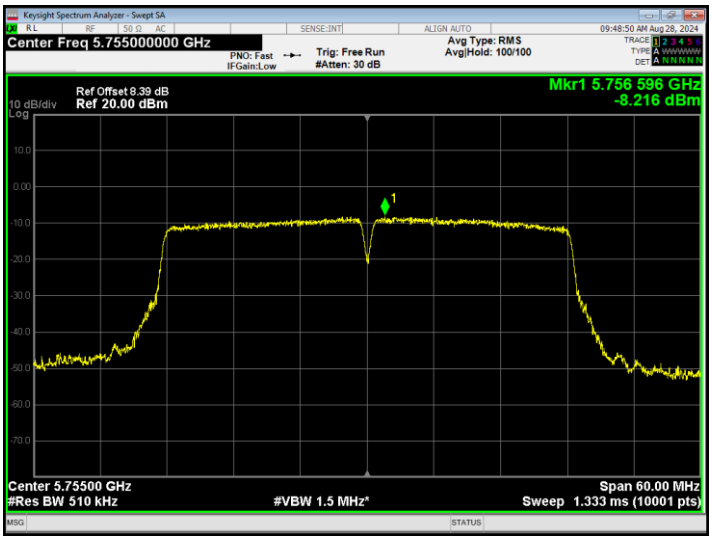
PSD NVNT n20 5785MHz Ant1



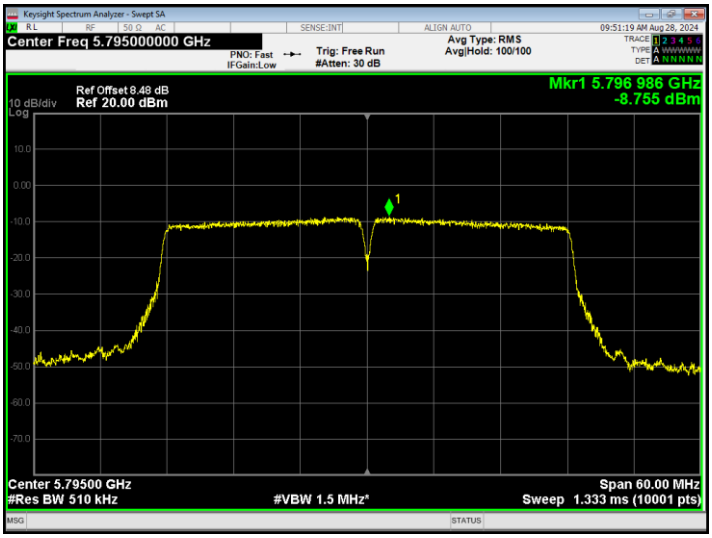
PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



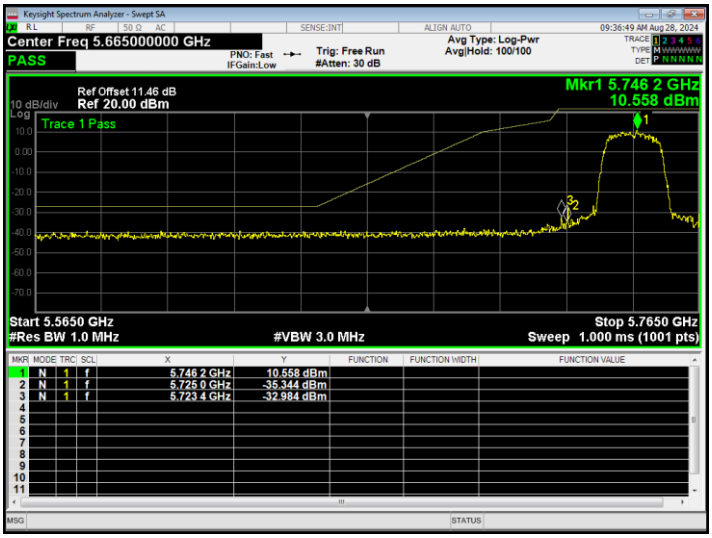
PSD NVNT n40 5795MHz Ant1



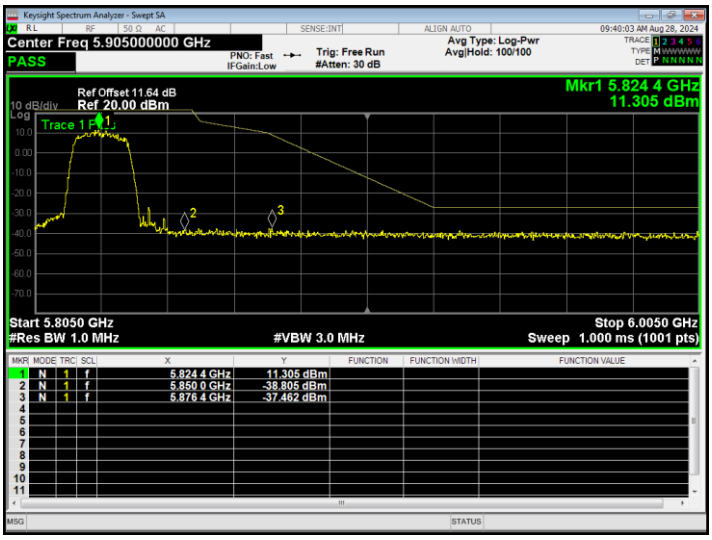
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-32.98	Pass
NVNT	a	5825	Ant1	-37.46	Pass
NVNT	ac20	5745	Ant1	-33.5	Pass
NVNT	ac20	5825	Ant1	-35.88	Pass
NVNT	ac40	5755	Ant1	-32.46	Pass
NVNT	ac40	5795	Ant1	-38.22	Pass
NVNT	n20	5745	Ant1	-22.03	Pass
NVNT	n20	5825	Ant1	5.71	Pass
NVNT	n40	5755	Ant1	-24.2	Pass
NVNT	n40	5795	Ant1	-32.31	Pass

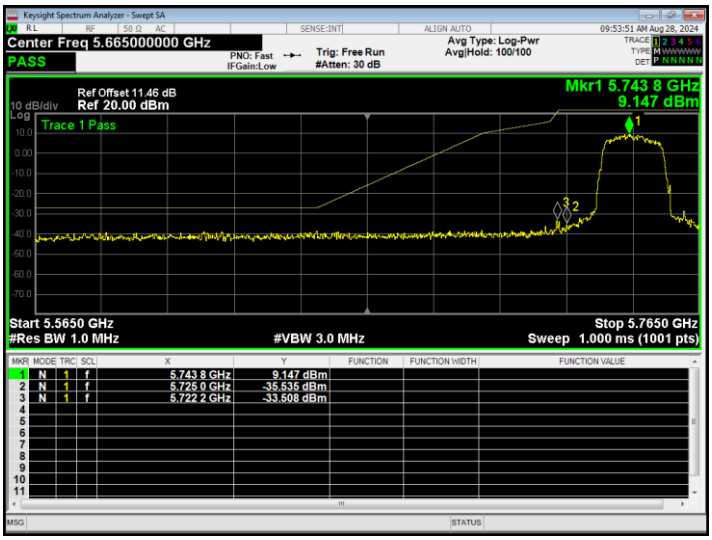
Band Edge NVNT a 5745MHz Low Ant1



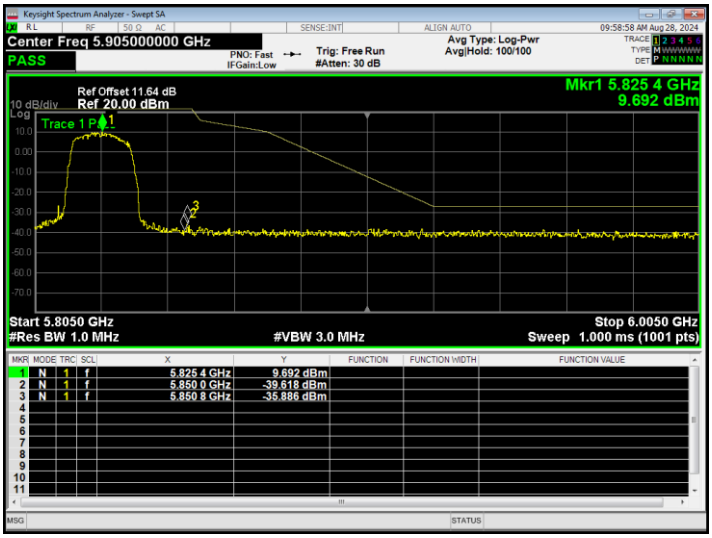
Band Edge NVNT a 5825MHz High Ant1



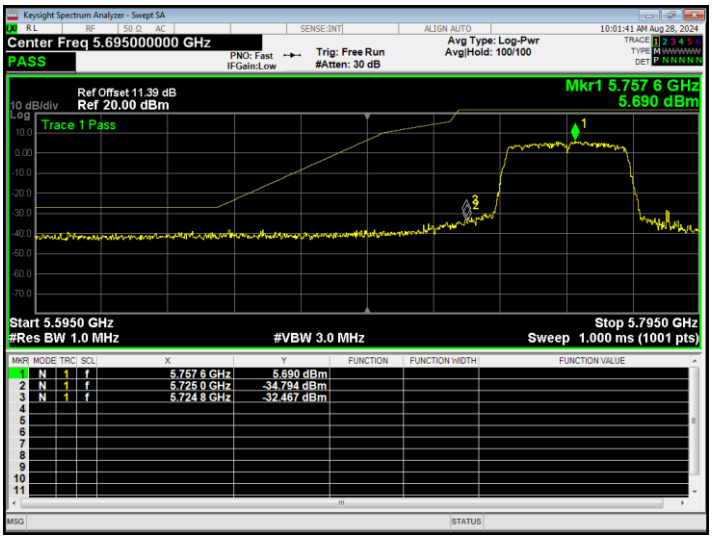
Band Edge NVNT ac20 5745MHz Low Ant1



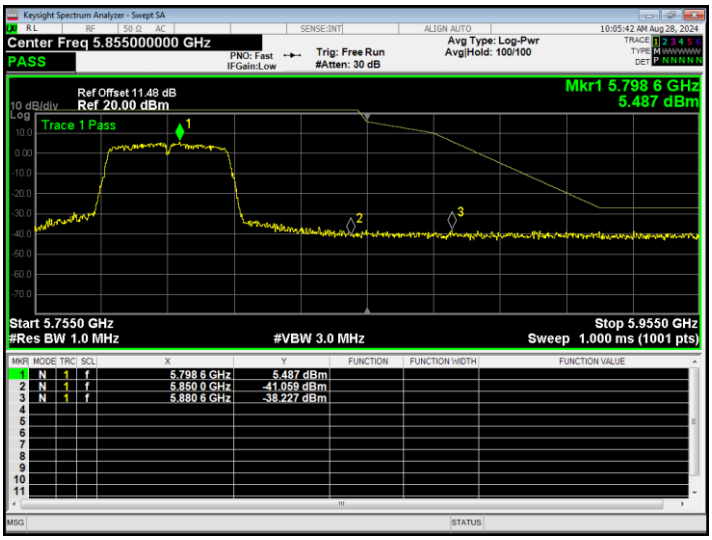
Band Edge NVNT ac20 5825MHz High Ant1



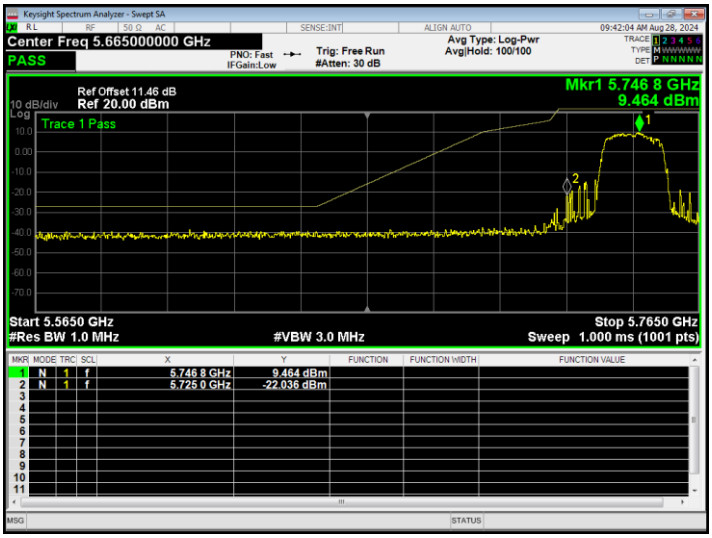
Band Edge NVNT ac40 5755MHz Low Ant1



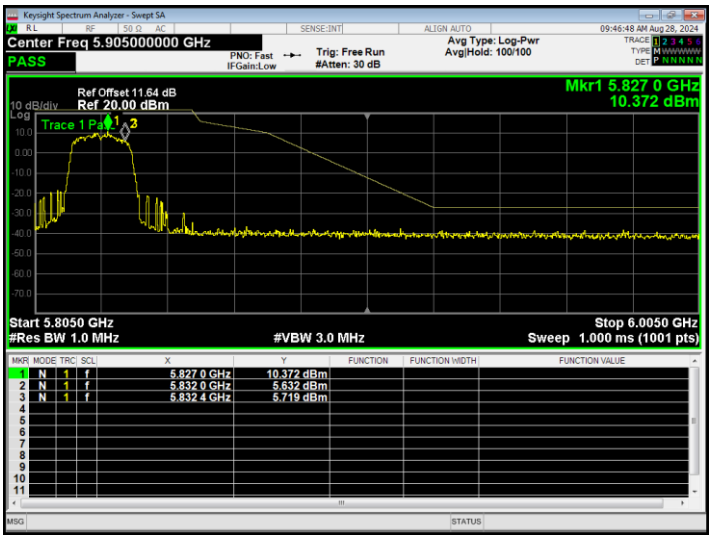
Band Edge NVNT ac40 5795MHz High Ant1



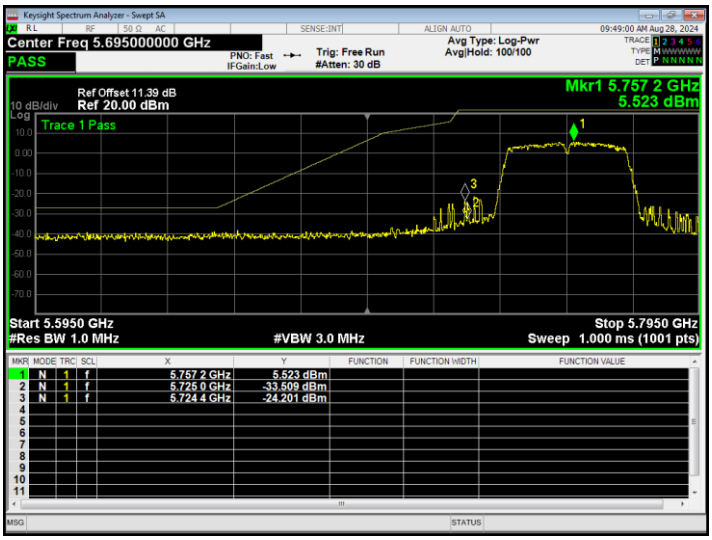
Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1