

ANNEX 1 TEST DATA

FCC ID: 2A54Y-HA116

Applicant: Shenzhen TFIRETEK Technology Co., Ltd.

Address: 204, Building 2, Stech Park, Taoyuan Community, Dalang Street, LongHua District, ShenZhen

Manufacturer: Shenzhen TFIRETEK Technology Co., Ltd.

Address: 204, Building 2, Stech Park, Taoyuan Community, Dalang Street, LongHua District, ShenZhen

Product Name: Projector

Trade Mark: N/A

Model Number: HA116, HA116-A, HA116-B, HA116-C, HA116-D, HA116-PRO, HA116-PLUS, HA116-Ultra

Date of Receipt: Jul. 21, 2026

Test Date: Jul. 21, 2026 – Aug. 07, 2026

Date of Report: Aug. 07, 2026

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1
Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen,
China

Applicable Standards: FCC PART 15 E 15.407
ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

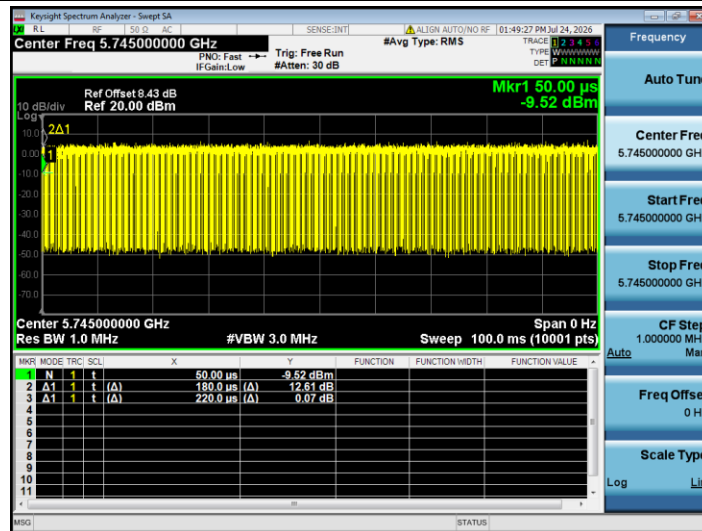
Test Result: Pass

Report Number: DLE-260721008R

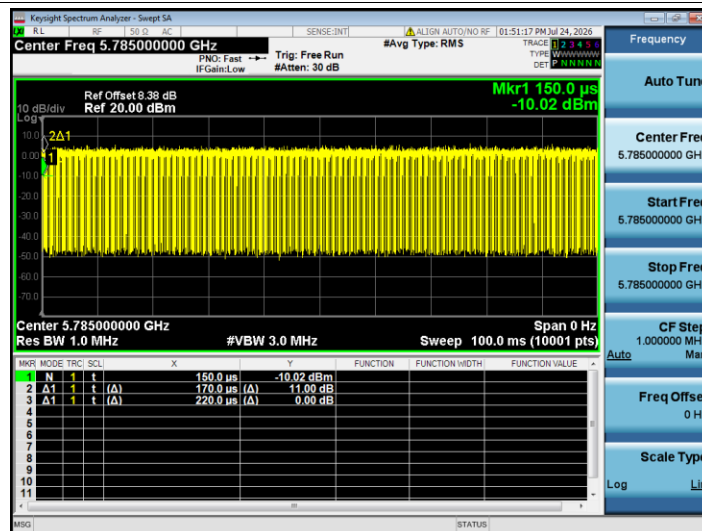
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	81.82	0.87	5.56
NVNT	a	5785	Ant1	77.27	1.12	5.88
NVNT	a	5825	Ant1	81.82	0.87	5.56
NVNT	n20	5745	Ant1	97.01	0.13	0.77
NVNT	n20	5785	Ant1	97.01	0.13	0.77
NVNT	n20	5825	Ant1	97.04	0.13	0.76
NVNT	n40	5755	Ant1	94.2	0.26	1.54
NVNT	n40	5795	Ant1	92.86	0.32	1.54
NVNT	ac20	5745	Ant1	96.32	0.16	0.76
NVNT	ac20	5785	Ant1	96.32	0.16	0.76
NVNT	ac20	5825	Ant1	97.04	0.13	0.76
NVNT	ac40	5755	Ant1	92.86	0.32	1.54
NVNT	ac40	5795	Ant1	94.2	0.26	1.54

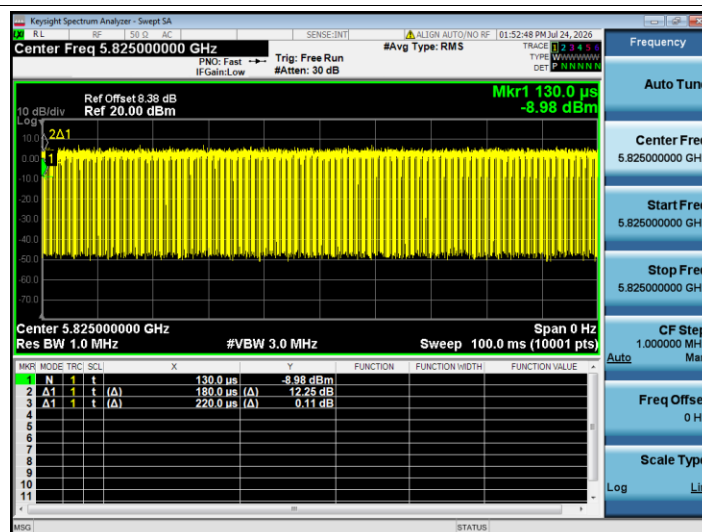
Report



Duty Cycle NVNT a 5745MHz Ant1

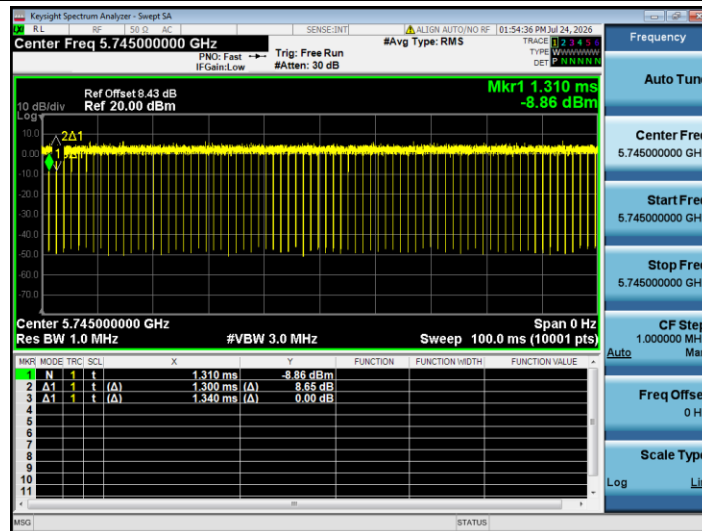


Duty Cycle NVNT a 5785MHz Ant1

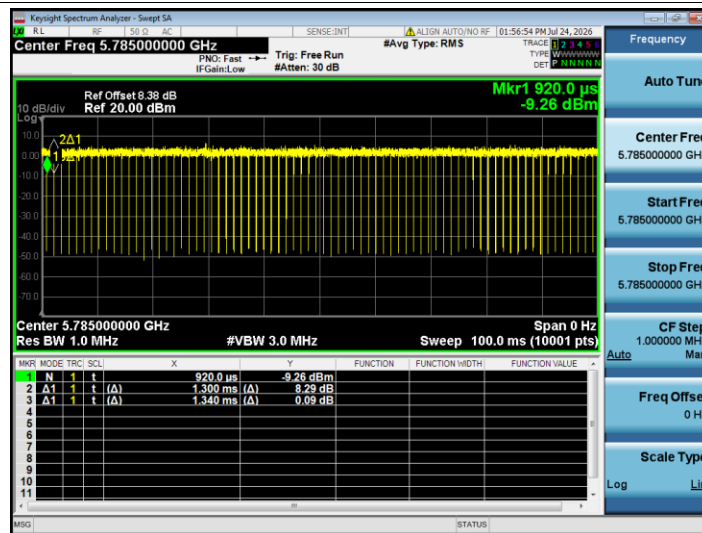


Duty Cycle NVNT a 5825MHz Ant1

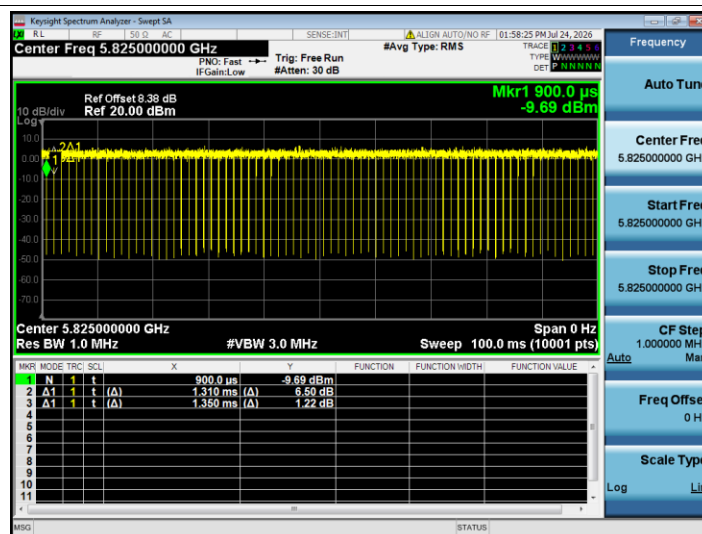
Report



Duty Cycle NVNT n20 5745MHz Ant1

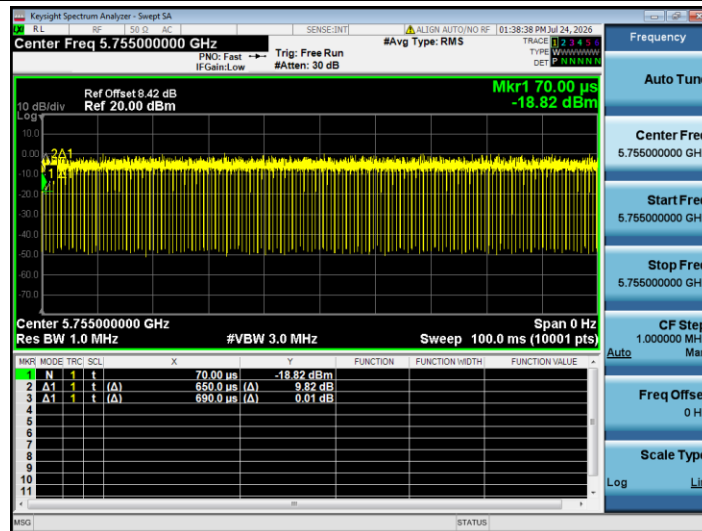


Duty Cycle NVNT n20 5785MHz Ant1

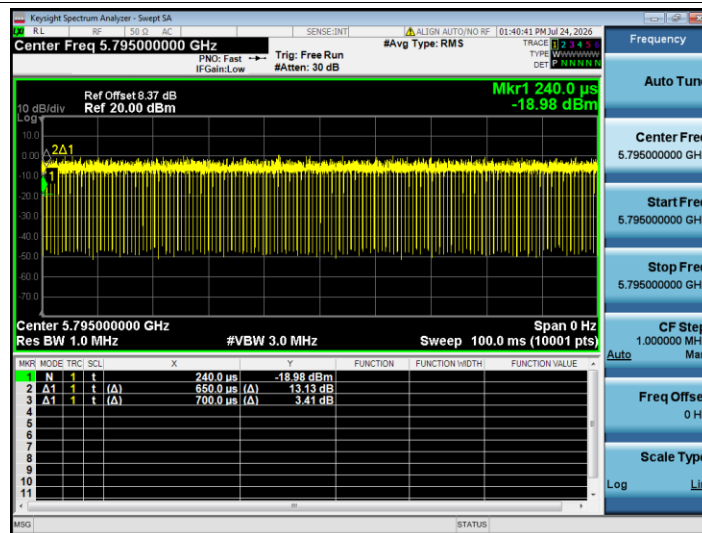


Duty Cycle NVNT n20 5825MHz Ant1

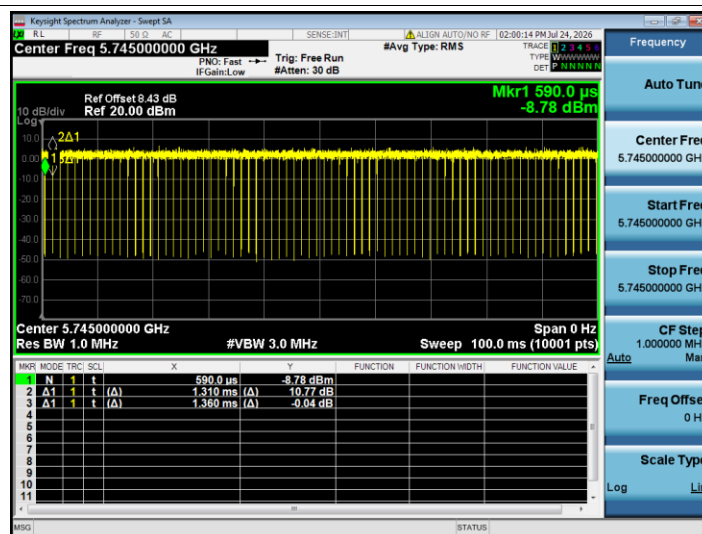
Report



Duty Cycle NVNT n40 5755MHz Ant1

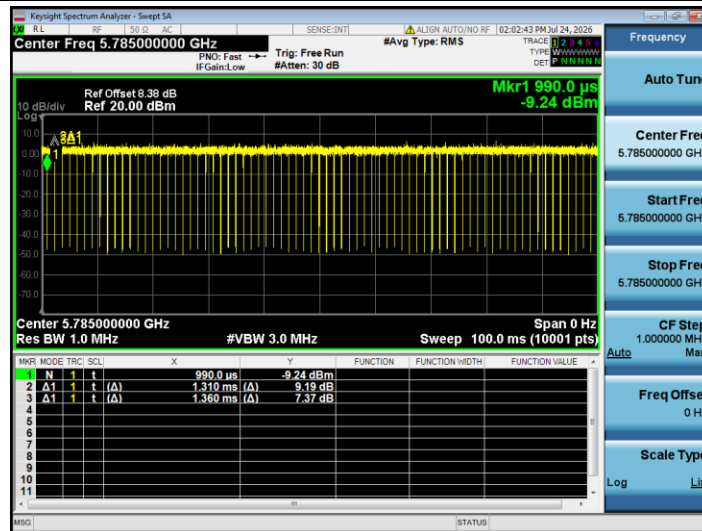


Duty Cycle NVNT n40 5795MHz Ant1

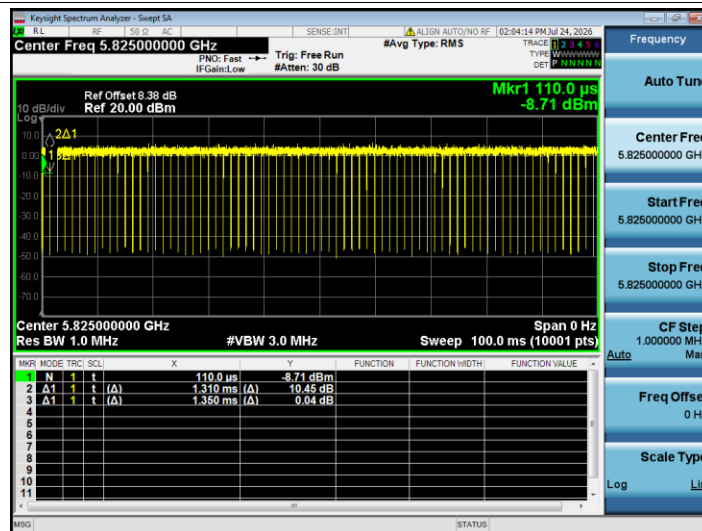


Duty Cycle NVNT ac20 5745MHz Ant1

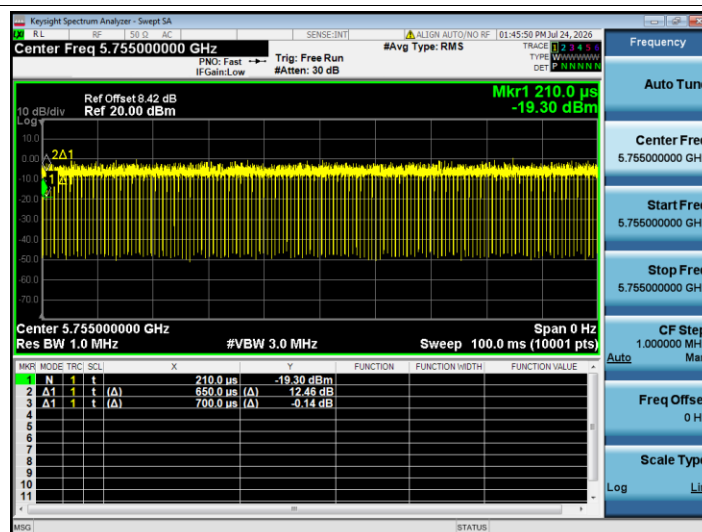
Report



Duty Cycle NVNT ac20 5785MHz Ant1

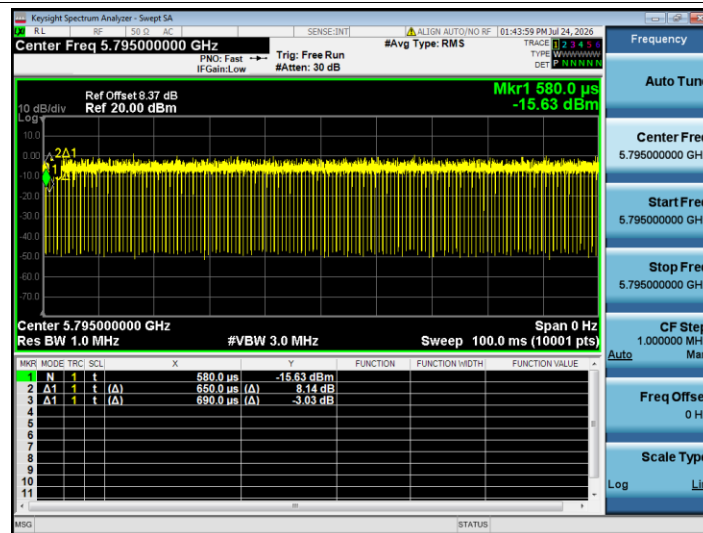


Duty Cycle NVNT ac20 5825MHz Ant1



Duty Cycle NVNT ac40 5755MHz Ant1

Report



Duty Cycle NVNT ac40 5795MHz Ant1

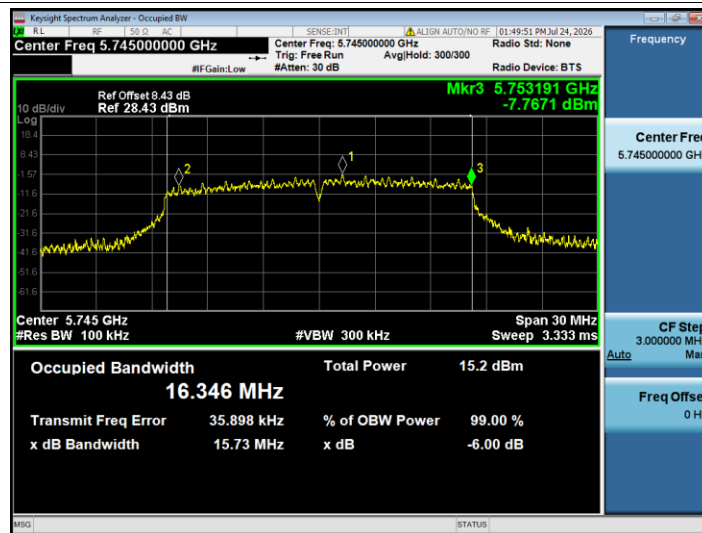
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	a	5745	Ant1	7.02	0.87	7.89	30	Pass
NVNT	a	5785	Ant1	6.86	1.12	7.98	30	Pass
NVNT	a	5825	Ant1	7.47	0.87	8.34	30	Pass
NVNT	n20	5745	Ant1	8.47	0.13	8.6	30	Pass
NVNT	n20	5785	Ant1	8.1	0.13	8.23	30	Pass
NVNT	n20	5825	Ant1	8.71	0.13	8.84	30	Pass
NVNT	n40	5755	Ant1	5.49	0.26	5.75	30	Pass
NVNT	n40	5795	Ant1	6.07	0.32	6.39	30	Pass
NVNT	ac20	5745	Ant1	8.34	0.16	8.5	30	Pass
NVNT	ac20	5785	Ant1	7.99	0.16	8.15	30	Pass
NVNT	ac20	5825	Ant1	8.69	0.13	8.82	30	Pass
NVNT	ac40	5755	Ant1	4.99	0.32	5.31	30	Pass
NVNT	ac40	5795	Ant1	6.08	0.26	6.34	30	Pass

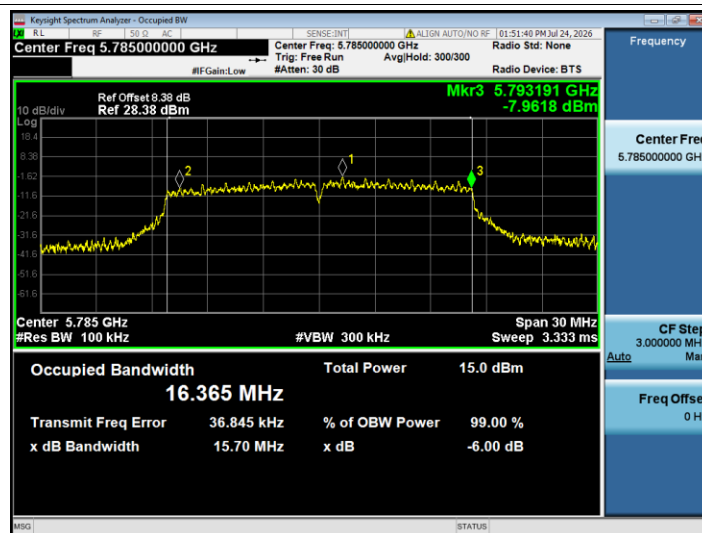
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.73	0.5	Pass
NVNT	a	5785	Ant1	15.7	0.5	Pass
NVNT	a	5825	Ant1	15.35	0.5	Pass
NVNT	n20	5745	Ant1	15.33	0.5	Pass
NVNT	n20	5785	Ant1	16.33	0.5	Pass
NVNT	n20	5825	Ant1	15.1	0.5	Pass
NVNT	n40	5755	Ant1	28.78	0.5	Pass
NVNT	n40	5795	Ant1	30.04	0.5	Pass
NVNT	ac20	5745	Ant1	15.66	0.5	Pass
NVNT	ac20	5785	Ant1	15.88	0.5	Pass
NVNT	ac20	5825	Ant1	14.98	0.5	Pass
NVNT	ac40	5755	Ant1	28.77	0.5	Pass
NVNT	ac40	5795	Ant1	30.04	0.5	Pass

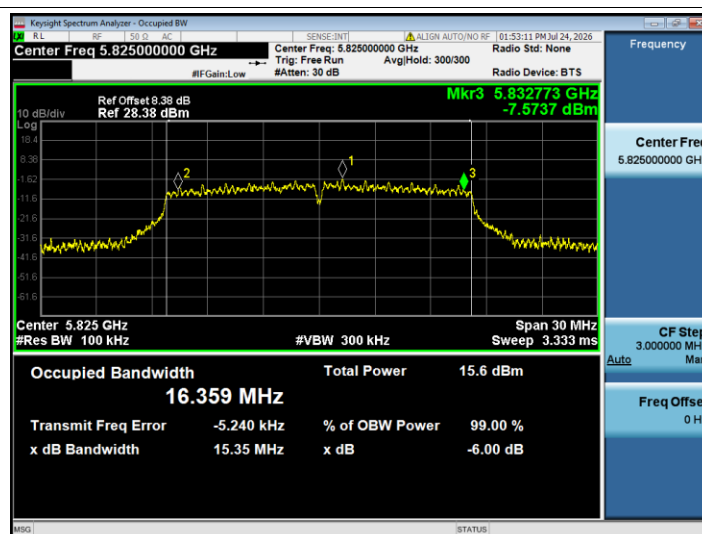
Report



-6dB Bandwidth NVNT a 5745MHz Ant1

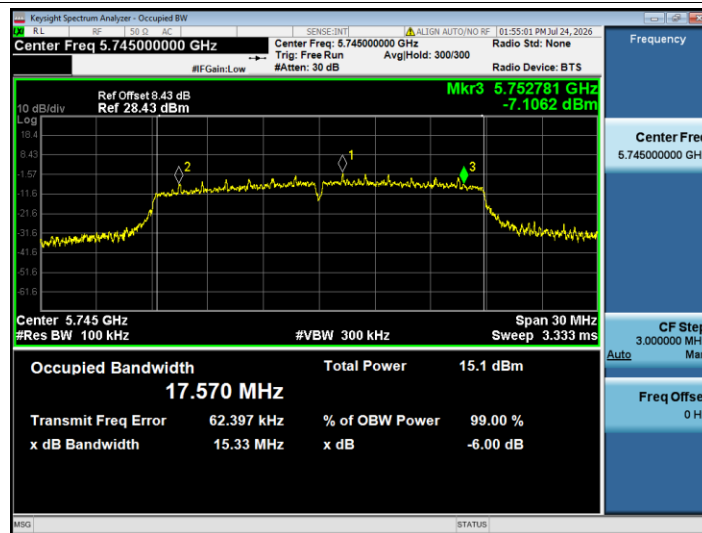


-6dB Bandwidth NVNT a 5785MHz Ant1



-6dB Bandwidth NVNT a 5825MHz Ant1

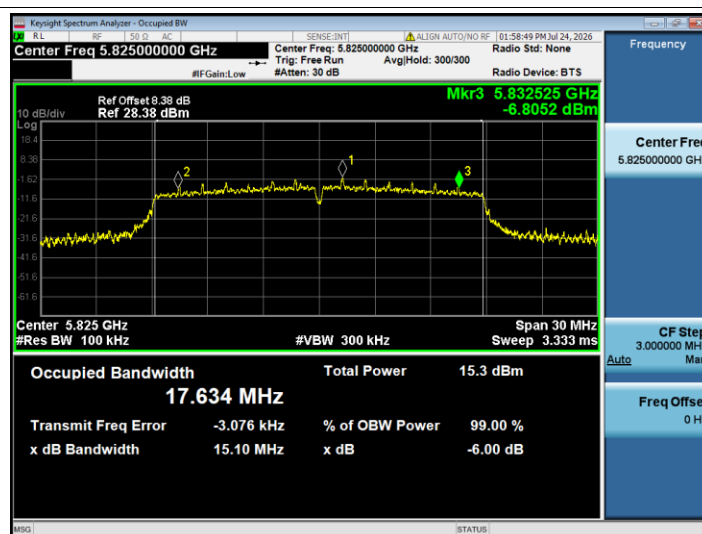
Report



-6dB Bandwidth NVNT n20 5745MHz Ant1

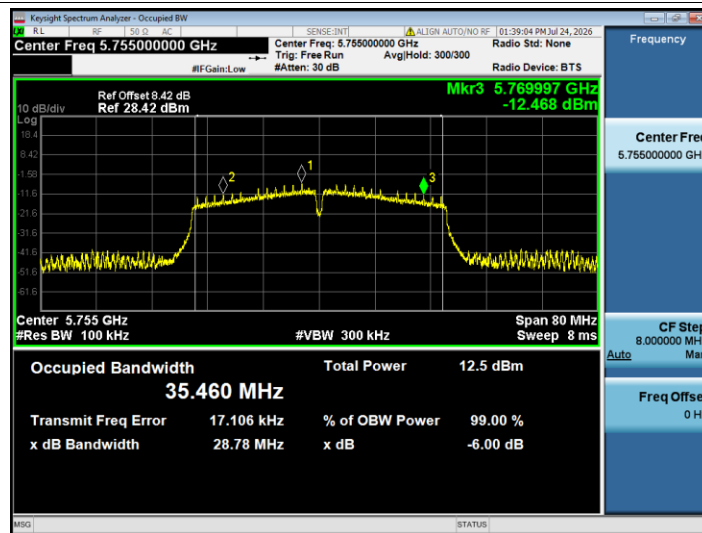


-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1

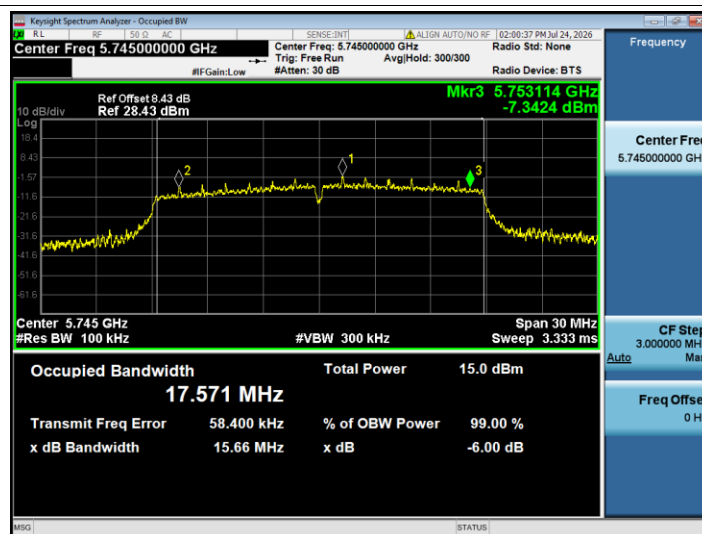
Report



-6dB Bandwidth NVNT n40 5755MHz Ant1

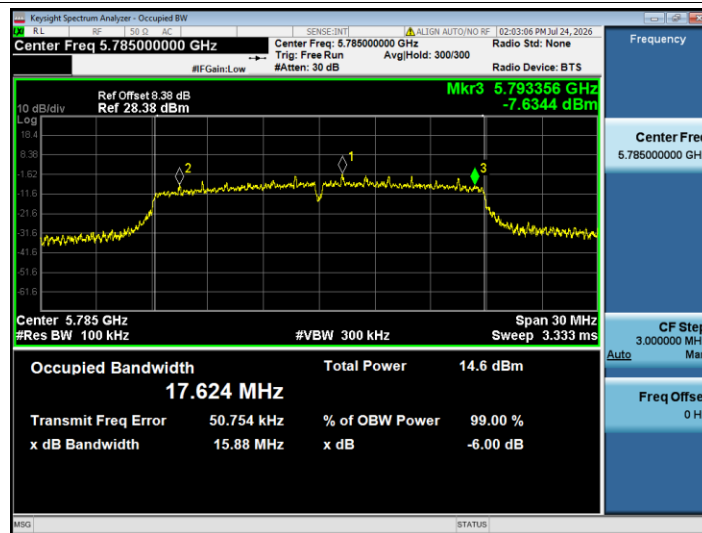


-6dB Bandwidth NVNT n40 5795MHz Ant1

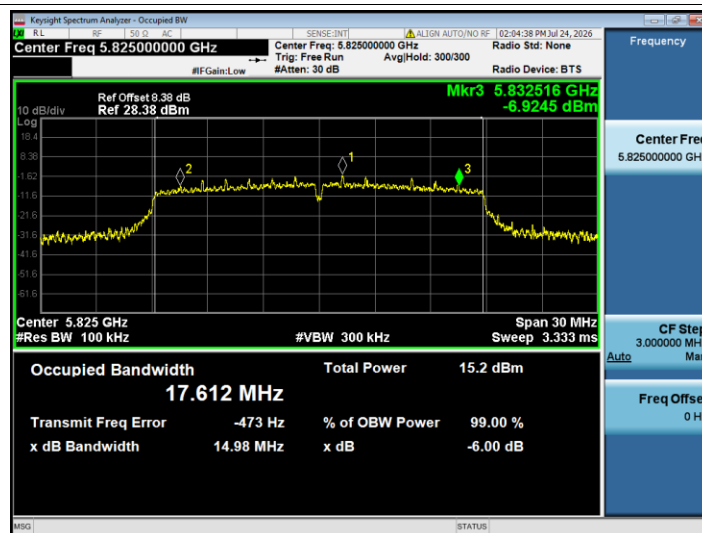


-6dB Bandwidth NVNT ac20 5745MHz Ant1

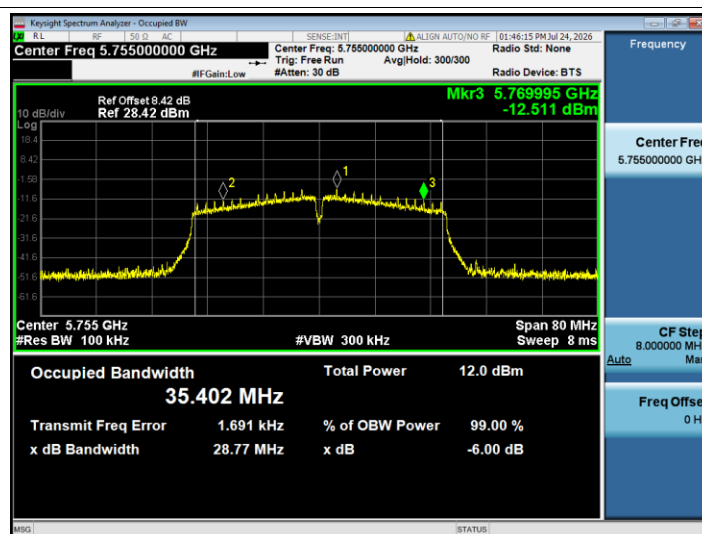
Report



-6dB Bandwidth NVNT ac20 5785MHz Ant1



-6dB Bandwidth NVNT ac20 5825MHz Ant1



-6dB Bandwidth NVNT ac40 5755MHz Ant1

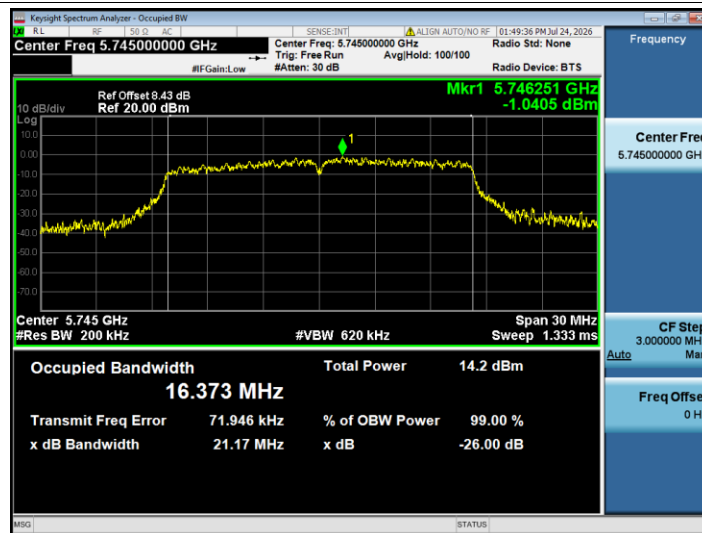


-6dB Bandwidth NVNT ac40 5795MHz Ant1

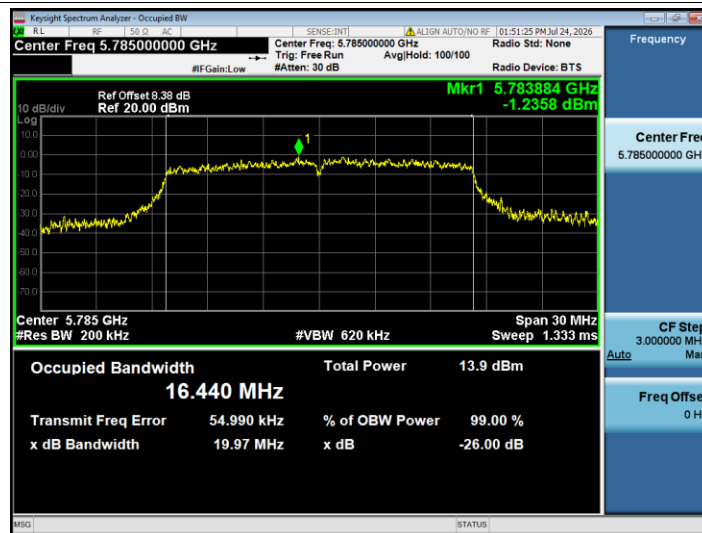
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.373
NVNT	a	5785	Ant1	16.44
NVNT	a	5825	Ant1	16.431
NVNT	n20	5745	Ant1	17.639
NVNT	n20	5785	Ant1	17.698
NVNT	n20	5825	Ant1	17.679
NVNT	n40	5755	Ant1	35.563
NVNT	n40	5795	Ant1	35.695
NVNT	ac20	5745	Ant1	17.646
NVNT	ac20	5785	Ant1	17.692
NVNT	ac20	5825	Ant1	17.657
NVNT	ac40	5755	Ant1	35.456
NVNT	ac40	5795	Ant1	35.684

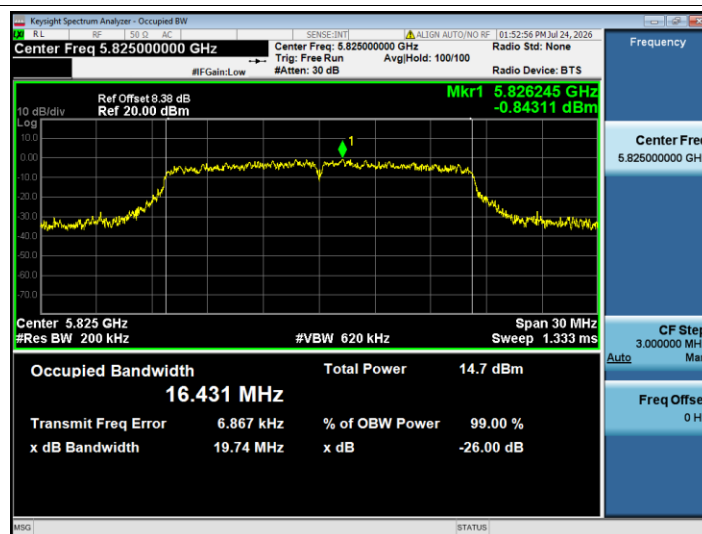
Report



OBW NVNT a 5745MHz Ant1

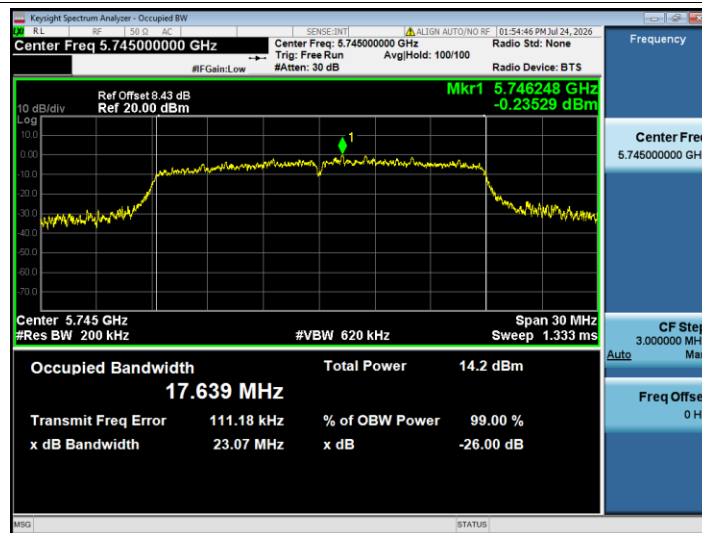


OBW NVNT a 5785MHz Ant1

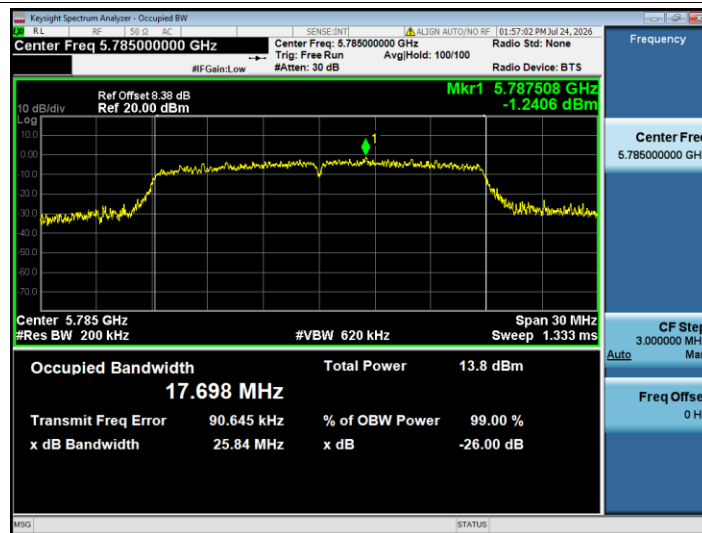


OBW NVNT a 5825MHz Ant1

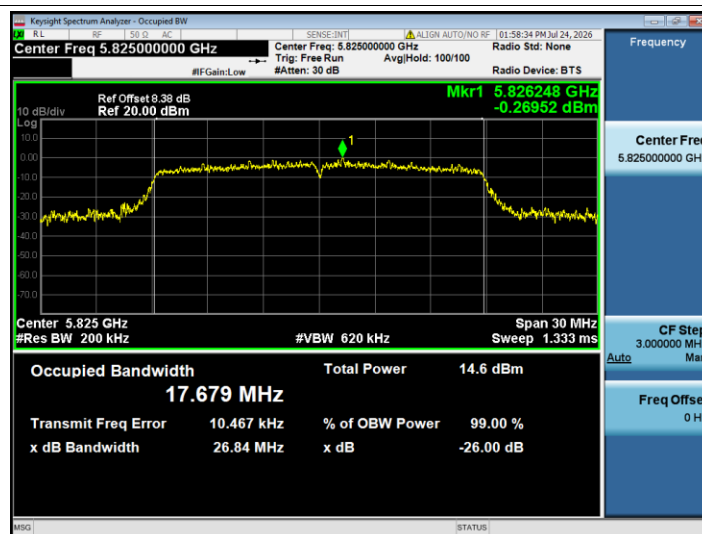
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OBW NVNT n20 5745MHz Ant1

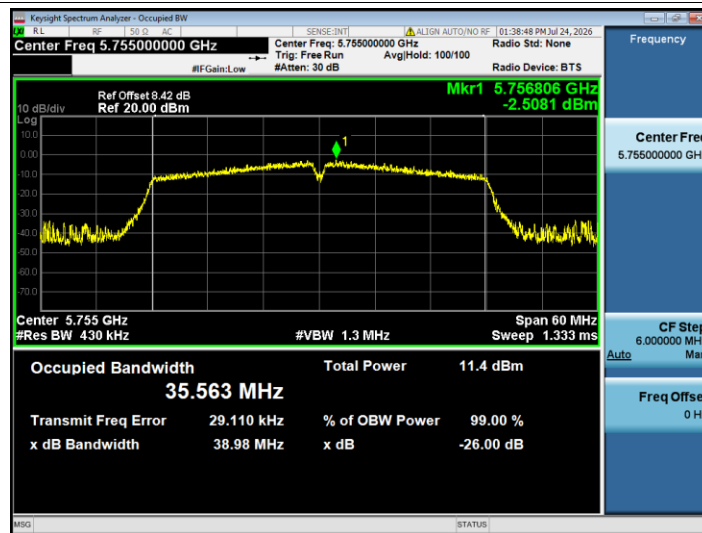


OBW NVNT n20 5785MHz Ant1

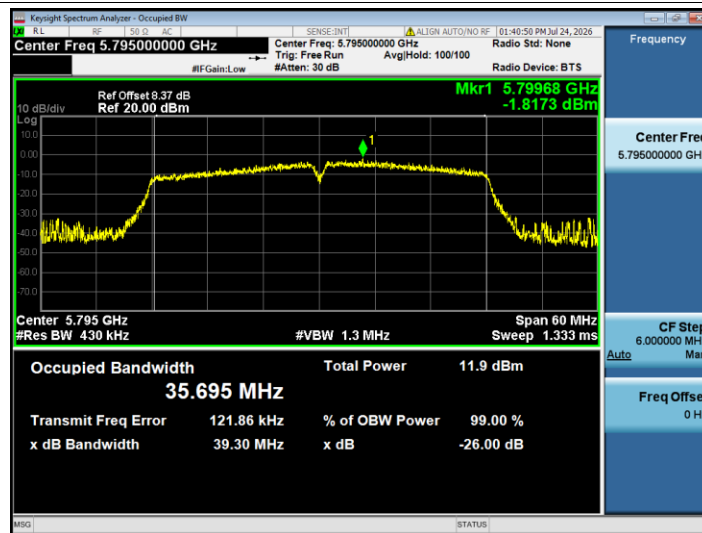


OBW NVNT n20 5825MHz Ant1

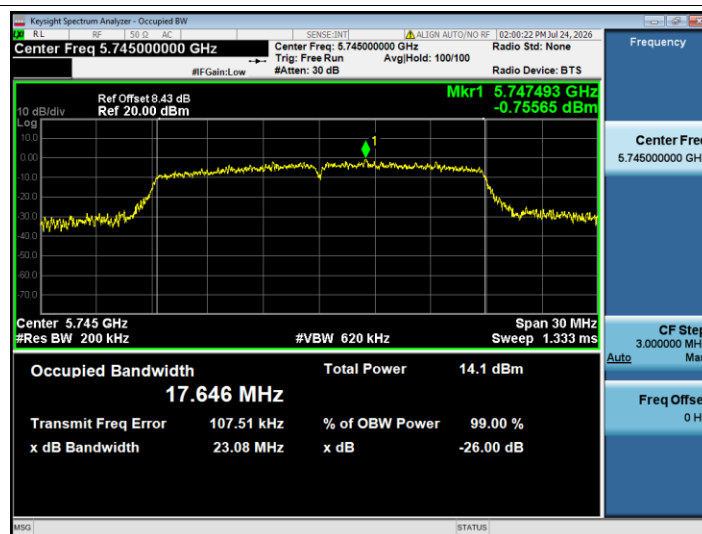
Report



OBW NVNT n40 5755MHz Ant1

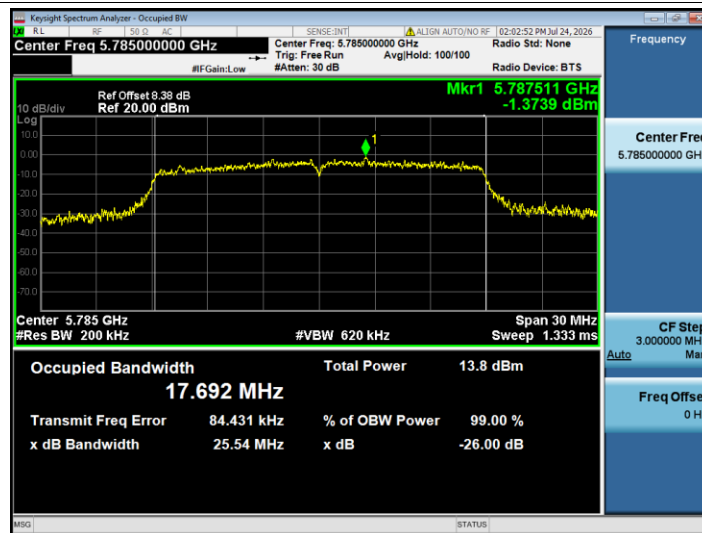


OBW NVNT n40 5795MHz Ant1

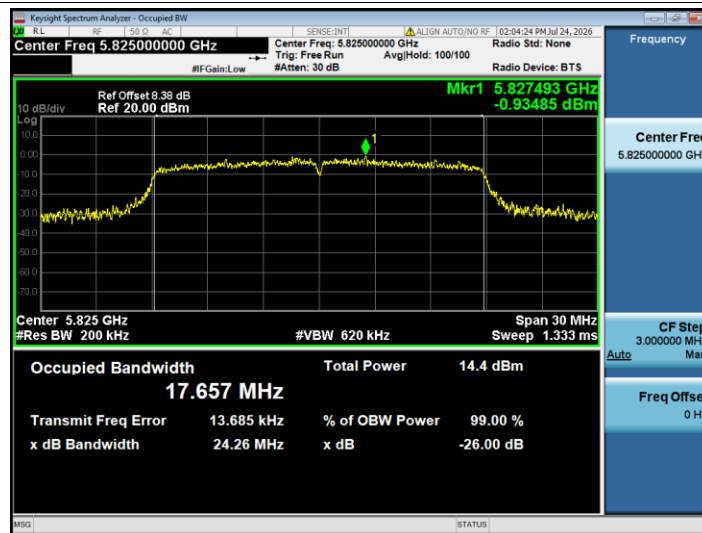


OBW NVNT ac20 5745MHz Ant1

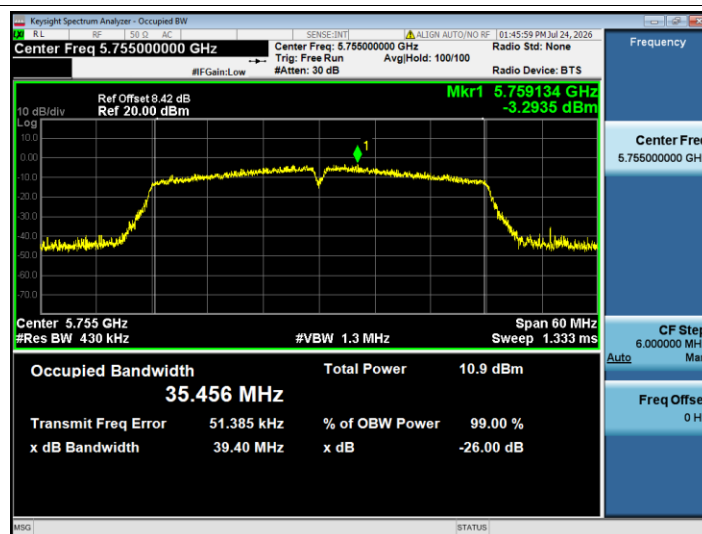
Report



OBW NVNT ac20 5785MHz Ant1

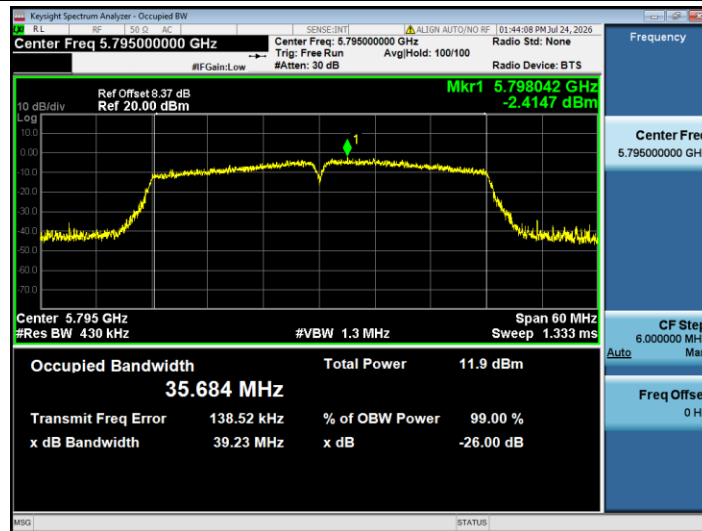


OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac40 5755MHz Ant1

Report

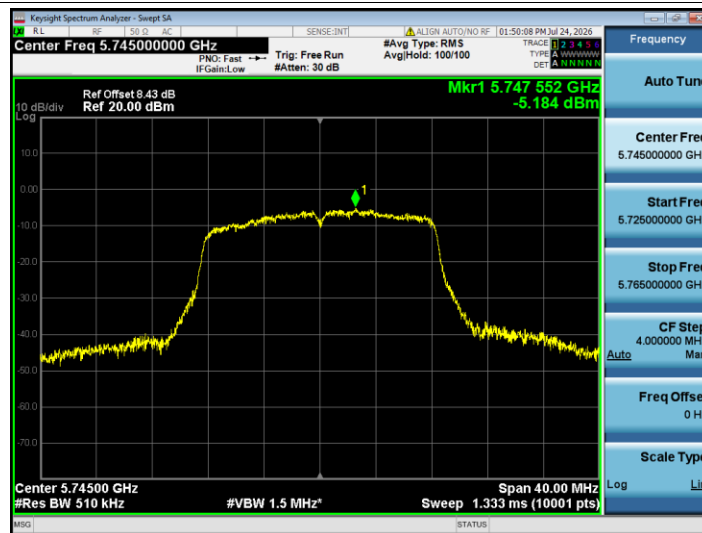


OBW NVNT ac40 5795MHz Ant1

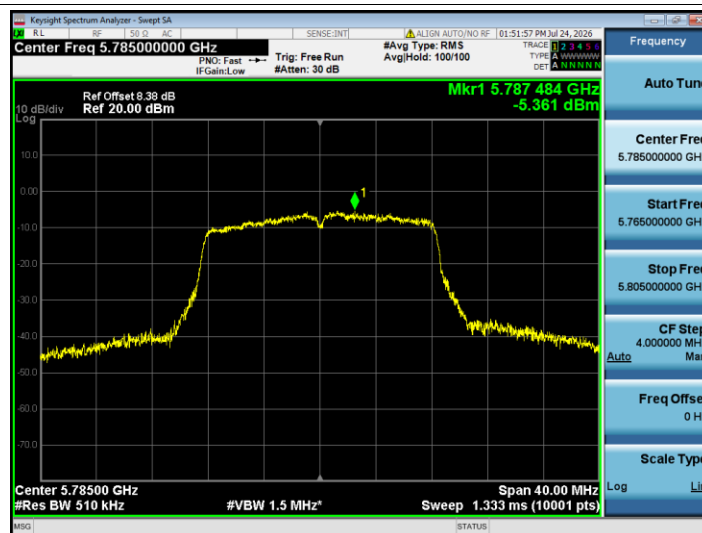
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total Conducted PSD (dBm)	Limit Conducted(dBm)	Verdict
NVNT	a	5745	Ant1	-5.18	0.87	-4.31	30	Pass
NVNT	a	5785	Ant1	-5.36	1.12	-4.24	30	Pass
NVNT	a	5825	Ant1	-5.31	0.87	-4.44	30	Pass
NVNT	n20	5745	Ant1	-4.1	0.13	-3.97	30	Pass
NVNT	n20	5785	Ant1	-4.73	0.13	-4.6	30	Pass
NVNT	n20	5825	Ant1	-4.25	0.13	-4.12	30	Pass
NVNT	n40	5755	Ant1	-8.92	0.26	-8.66	30	Pass
NVNT	n40	5795	Ant1	-8.88	0.32	-8.56	30	Pass
NVNT	ac20	5745	Ant1	-4.29	0.16	-4.13	30	Pass
NVNT	ac20	5785	Ant1	-4.79	0.16	-4.63	30	Pass
NVNT	ac20	5825	Ant1	-4.13	0.13	-4	30	Pass
NVNT	ac40	5755	Ant1	-9.56	0.32	-9.24	30	Pass
NVNT	ac40	5795	Ant1	-8.7	0.26	-8.44	30	Pass

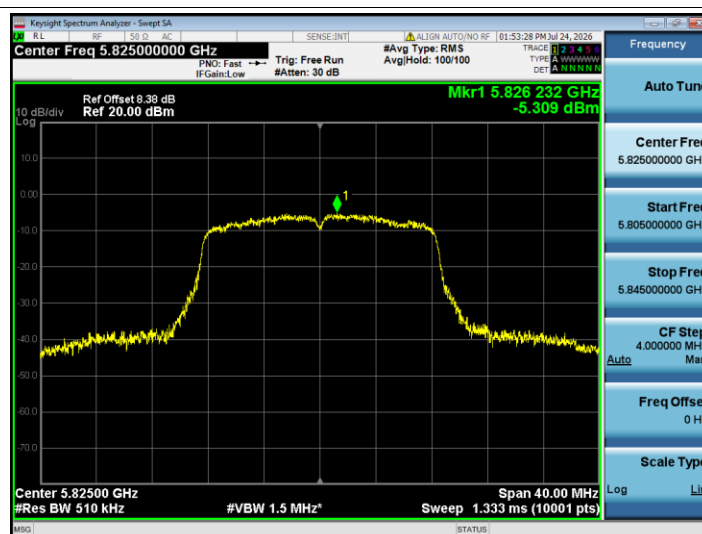
Report



PSD NVNT a 5745MHz Ant1

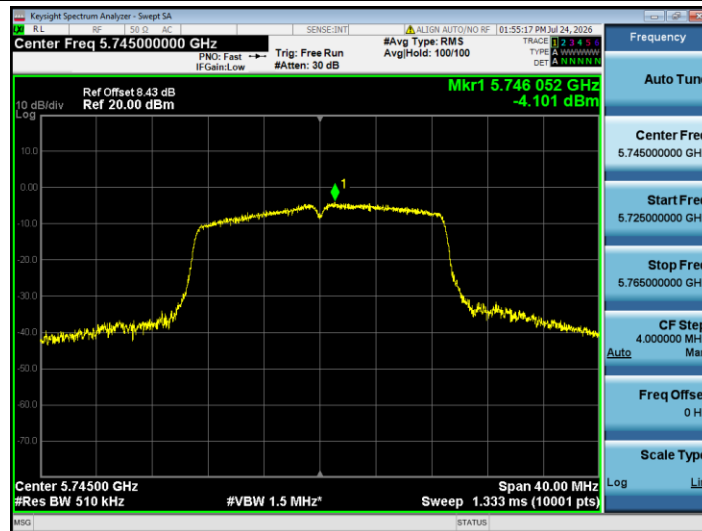


PSD NVNT a 5785MHz Ant1

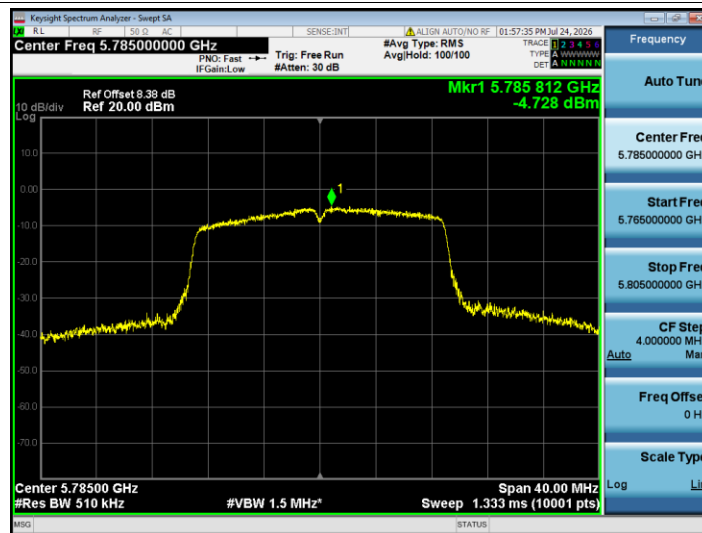


PSD NVNT a 5825MHz Ant1

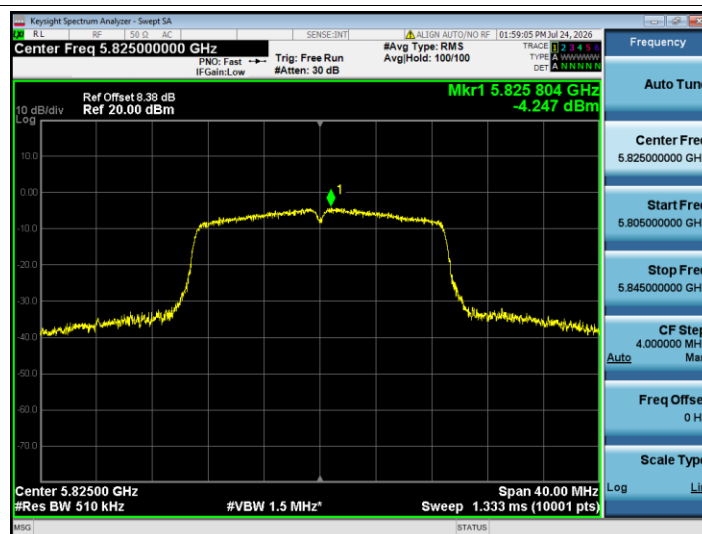
Report



PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5785MHz Ant1

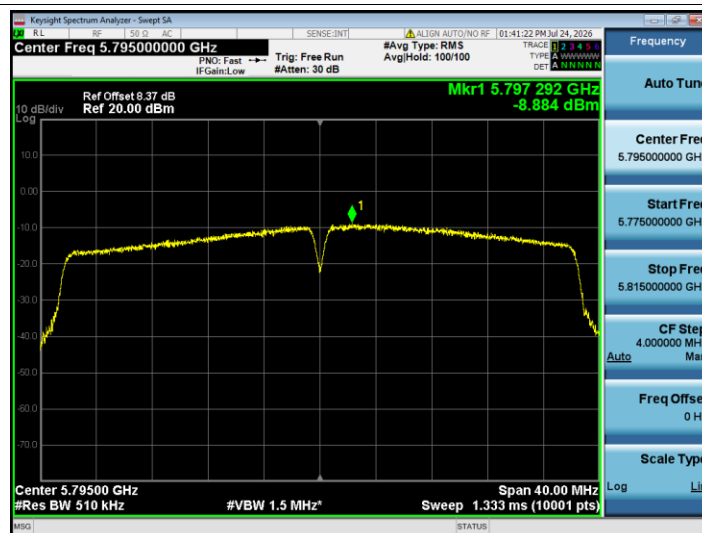


PSD NVNT n20 5825MHz Ant1

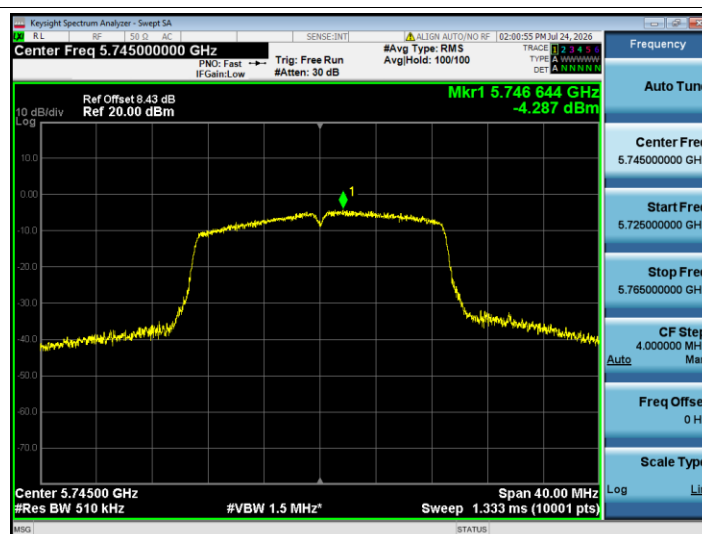
Report



PSD NVNT n40 5755MHz Ant1

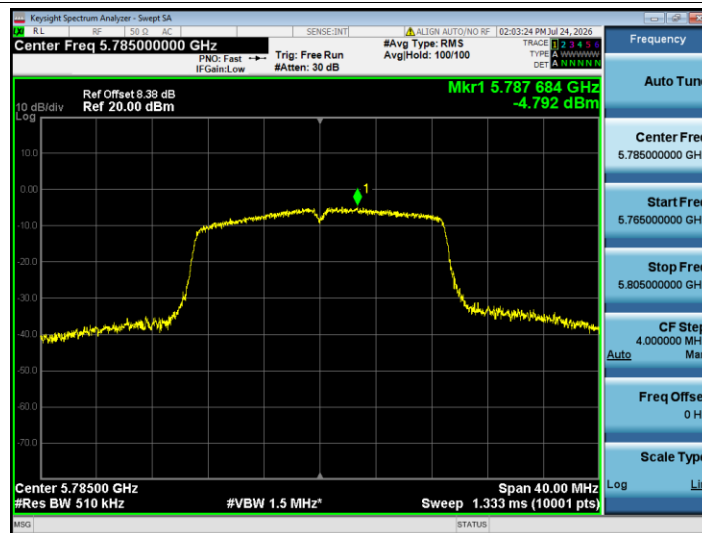


PSD NVNT n40 5795MHz Ant1

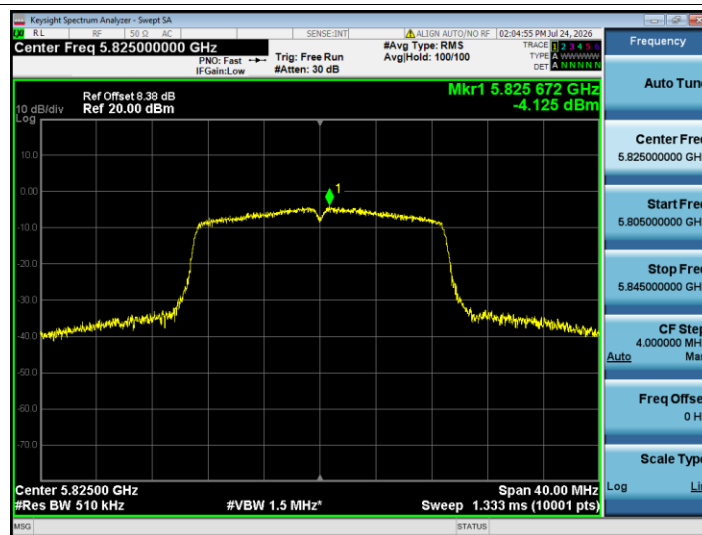


PSD NVNT ac20 5745MHz Ant1

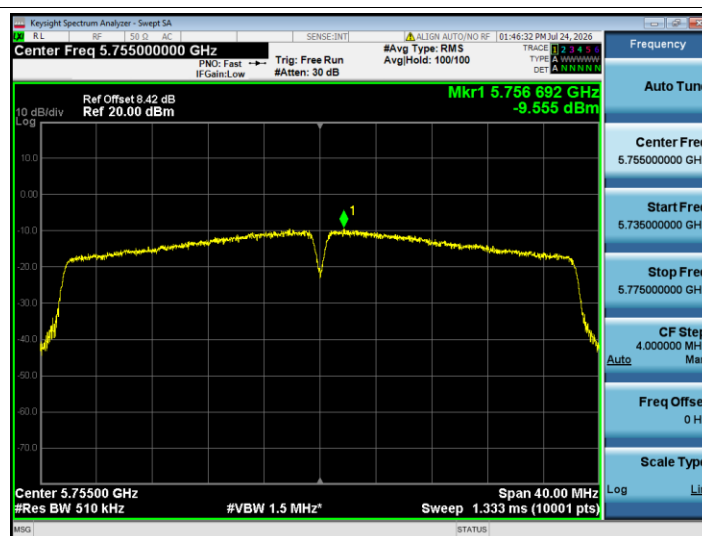
Report



PSD NVNT ac20 5785MHz Ant1

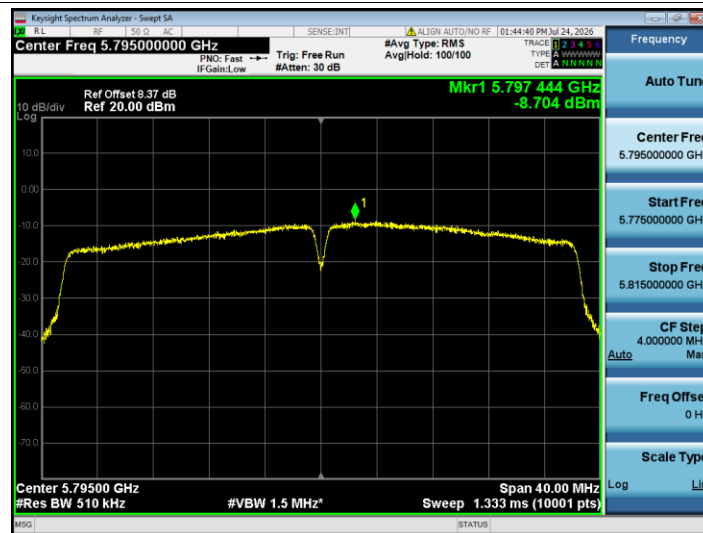


PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5755MHz Ant1

Report

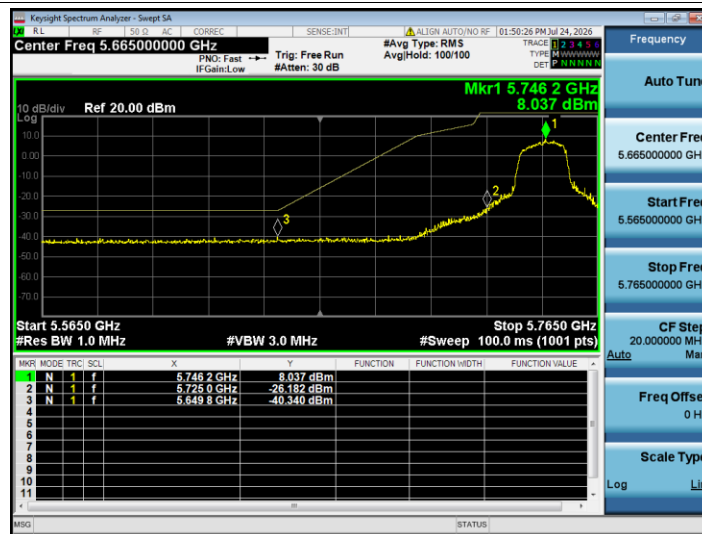


PSD NVNT ac40 5795MHz Ant1

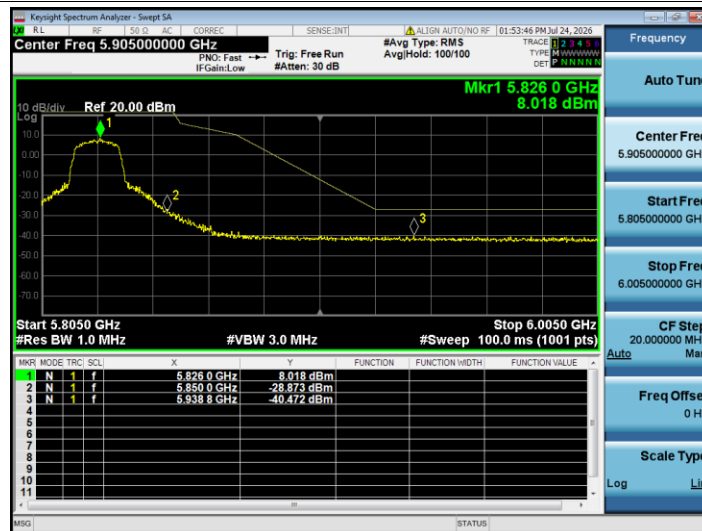
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-40.34	-27	Pass
NVNT	a	5825	Ant1	-40.47	-27	Pass
NVNT	n20	5745	Ant1	-41.24	-27	Pass
NVNT	n20	5825	Ant1	-40.01	-27	Pass
NVNT	n40	5755	Ant1	-40.27	-27	Pass
NVNT	n40	5795	Ant1	-39.95	-27	Pass
NVNT	ac20	5745	Ant1	-40.52	-27	Pass
NVNT	ac20	5825	Ant1	-39.45	-27	Pass
NVNT	ac40	5755	Ant1	-40.46	-27	Pass
NVNT	ac40	5795	Ant1	-41.89	-27	Pass

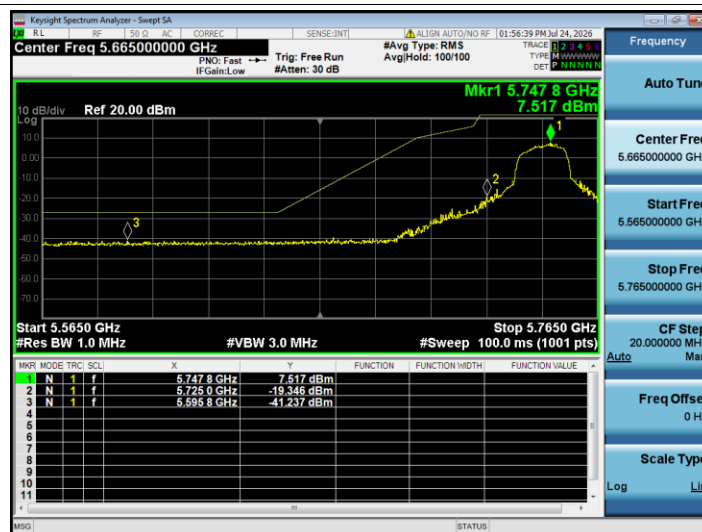
The antenna gain is compensated in the test data.



Band Edge NVNT a 5745MHz Low Ant1



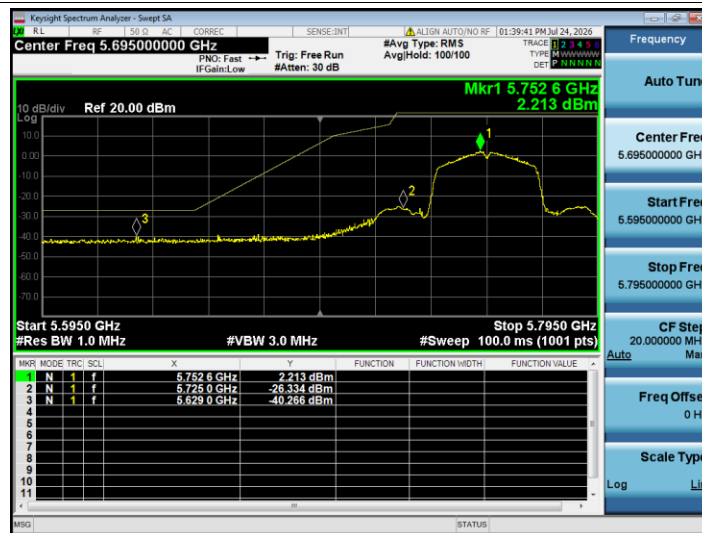
Band Edge NVNT a 5825MHz High Ant1



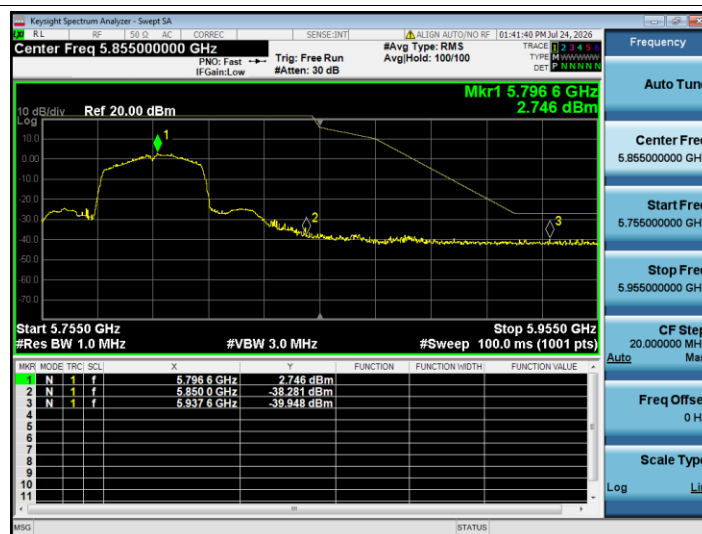
Band Edge NVNT n20 5745MHz Low Ant1



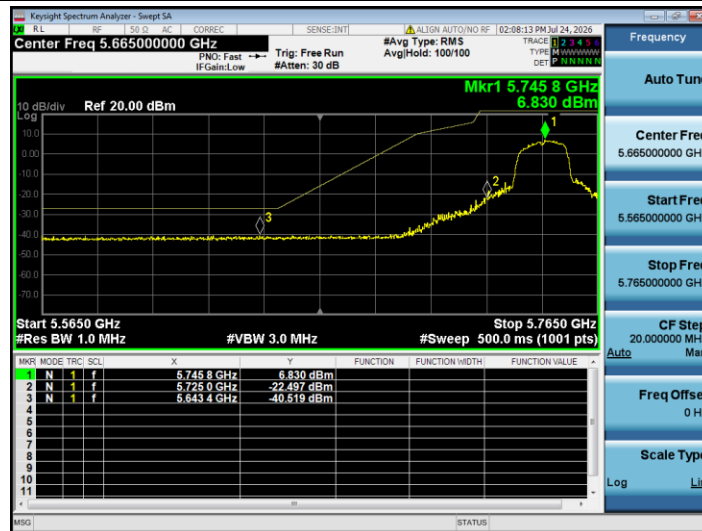
Band Edge NVNT n20 5825MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant1



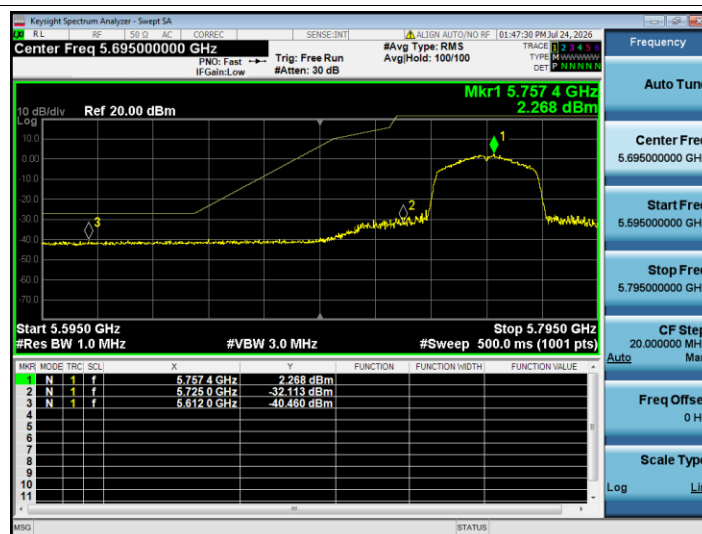
Band Edge NVNT n40 5795MHz High Ant1



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