Appendix 1

FCC Test Report

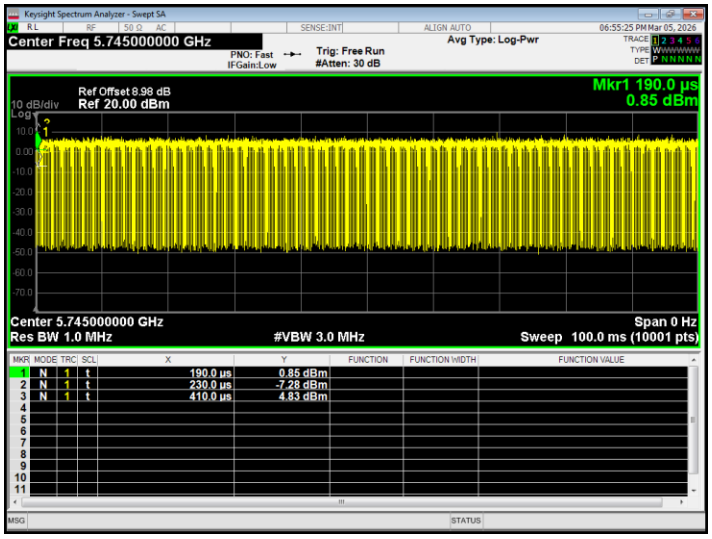
FCC ID: 2BR3I-U1PRO

Applicant:	Hunan Chuangke Photoelectric Co. LTD
Address:	No.9 Factory Building, Electronic Information Manufacturing Base, No.199, Aviation Road, Wangcheng District, Changsha city, Hunan Province
Manufacturer:	Hunan Chuangke Photoelectric Co. LTD
Address:	No.9 Factory Building, Electronic Information Manufacturing Base, No.199, Aviation Road, Wangcheng District, Changsha city, Hunan Province
Product Name:	Projector
Trade Mark:	N/A
Model Number:	U1 PRO, U1, U1-GTV, U1 MAX, U1 U1tra, U1S, U1S-GTV, U1S PRO, U1S MAX
Date of Receipt:	Mar. 04, 2026
Test Date:	Mar. 04, 2026 - Mar. 16, 2026
Date of Report:	Mar. 16, 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
Test Result:	Pass

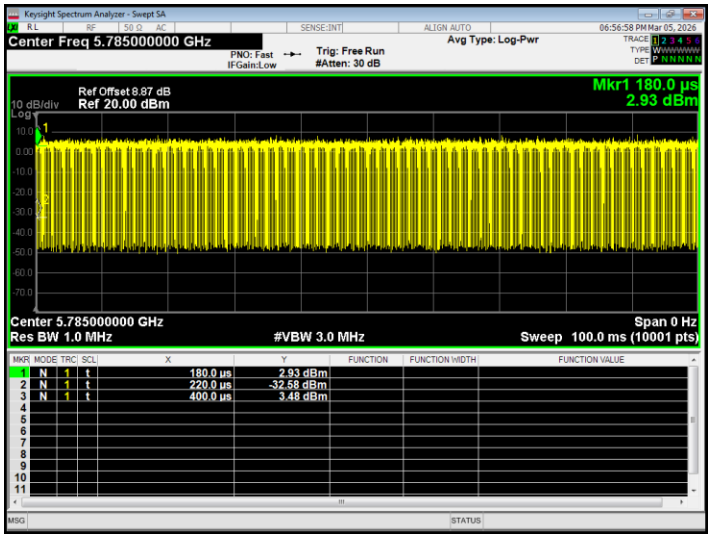
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	81.82	0.87
NVNT	a	5785	Ant1	81.82	0.87
NVNT	a	5825	Ant1	81.82	0.87
NVNT	ac20	5745	Ant1	97.04	0.13
NVNT	ac20	5785	Ant1	97.06	0.13
NVNT	ac20	5825	Ant1	97.04	0.13
NVNT	ac40	5755	Ant1	94.2	0.26
NVNT	ac40	5795	Ant1	94.29	0.26
NVNT	n20	5745	Ant1	96.3	0.16
NVNT	n20	5785	Ant1	97.01	0.13
NVNT	n20	5825	Ant1	97.01	0.13
NVNT	n40	5755	Ant1	92.86	0.32
NVNT	n40	5795	Ant1	94.2	0.26

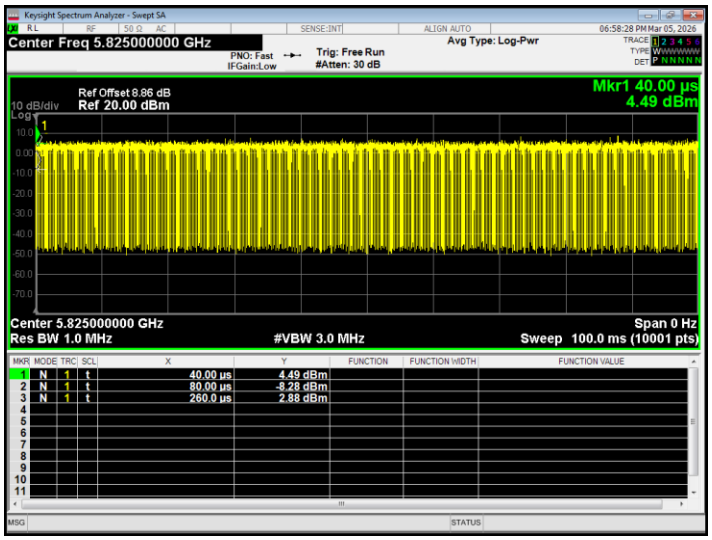
Duty Cycle NVNT a 5745MHz Ant1



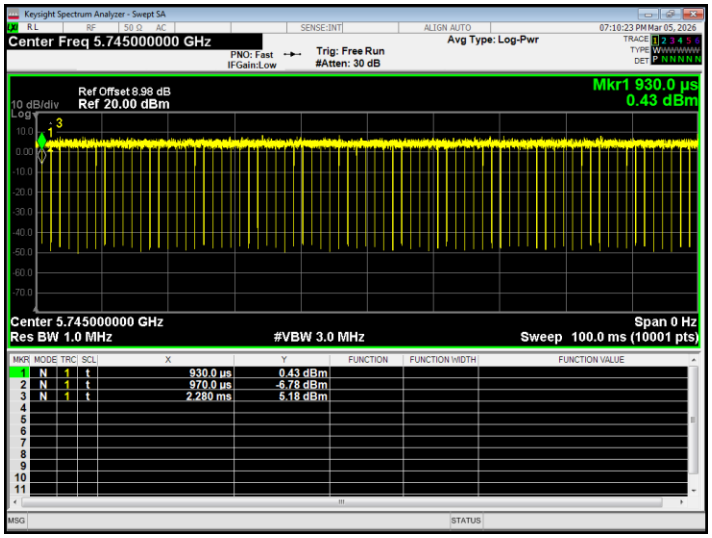
Duty Cycle NVNT a 5785MHz Ant1



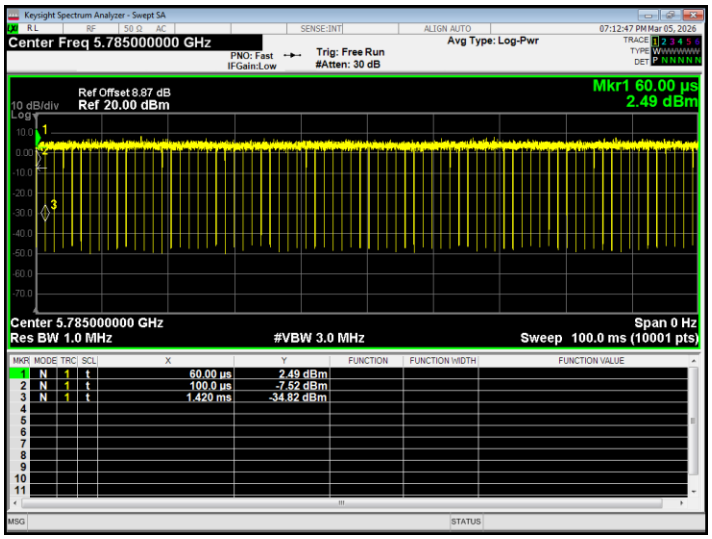
Duty Cycle NVNT a 5825MHz Ant1



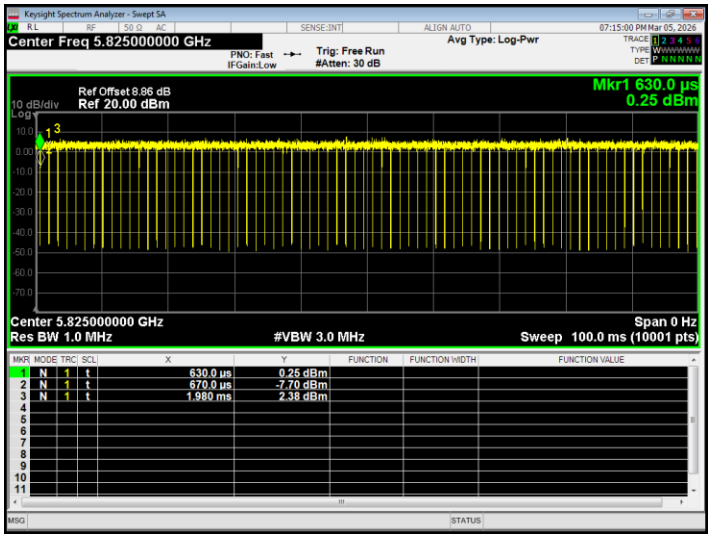
Duty Cycle NVNT ac20 5745MHz Ant1



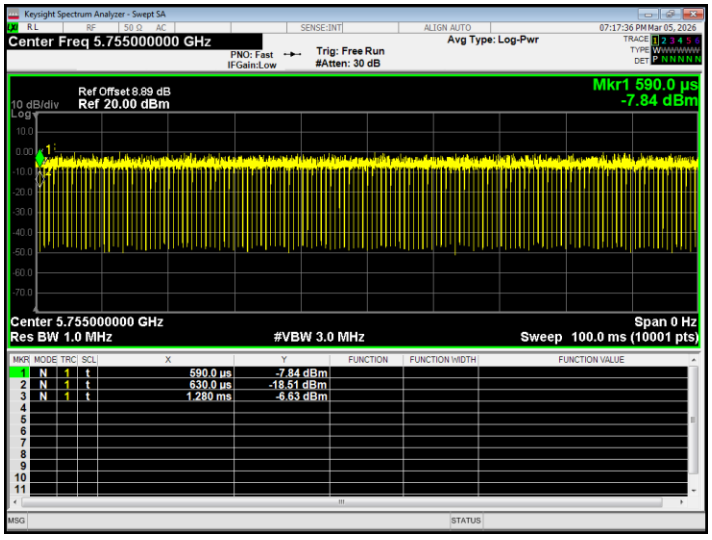
Duty Cycle NVNT ac20 5785MHz Ant1



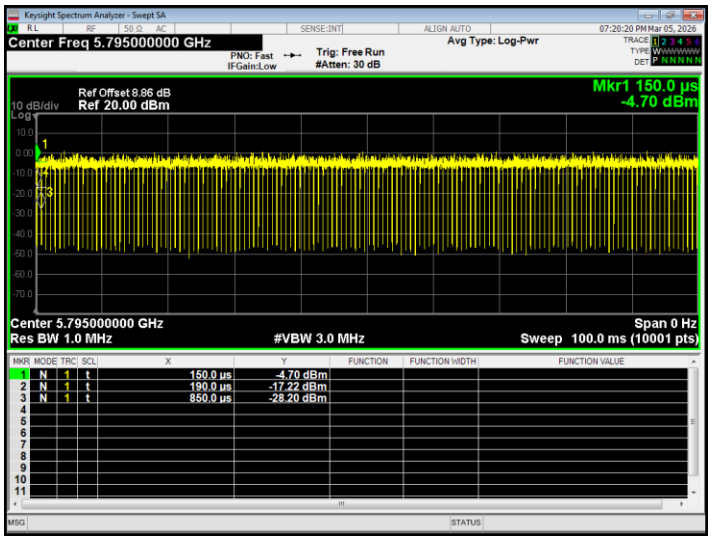
Duty Cycle NVNT ac20 5825MHz Ant1



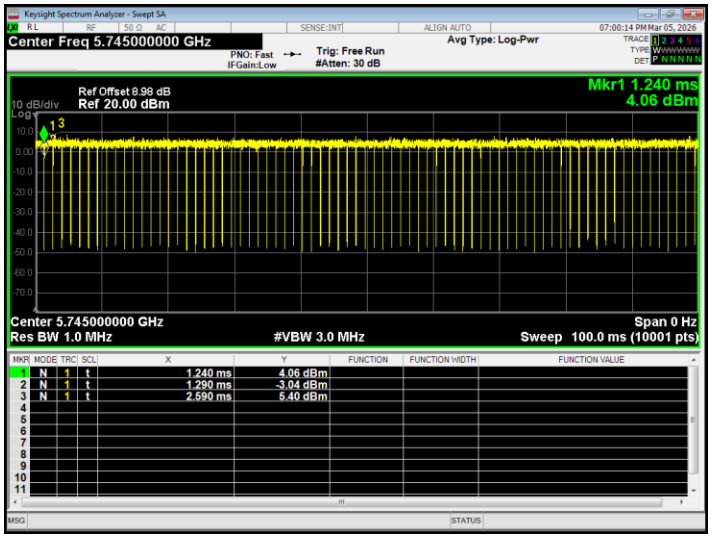
Duty Cycle NVNT ac40 5755MHz Ant1



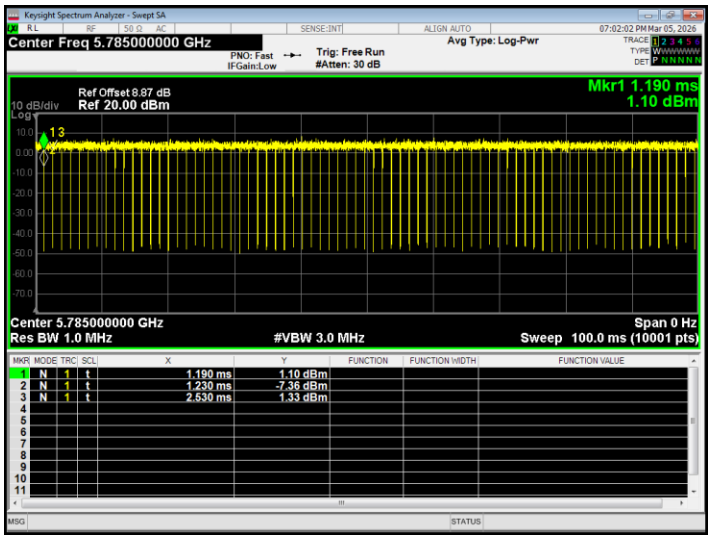
Duty Cycle NVNT ac40 5795MHz Ant1



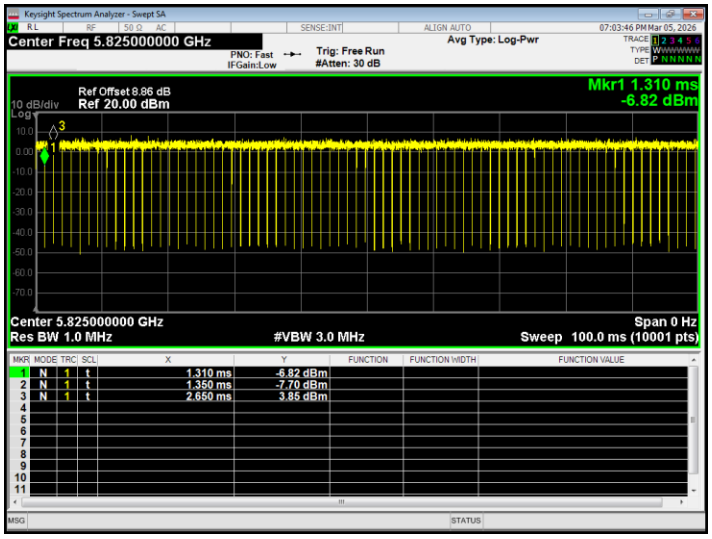
Duty Cycle NVNT n20 5745MHz Ant1



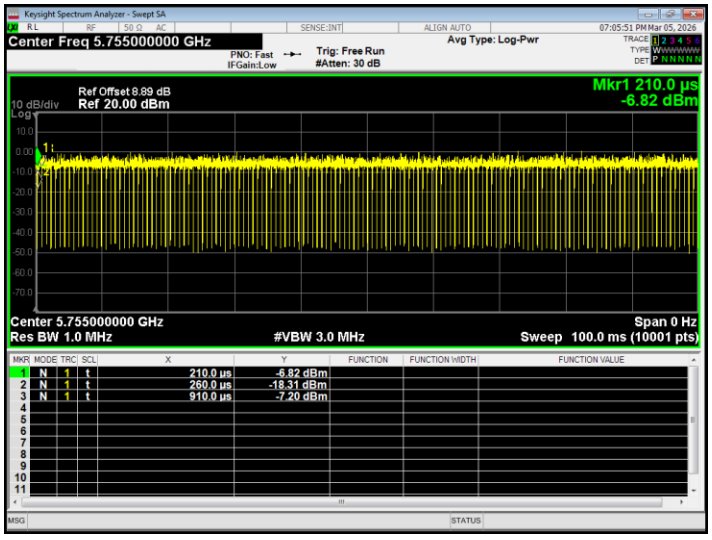
Duty Cycle NVNT n20 5785MHz Ant1



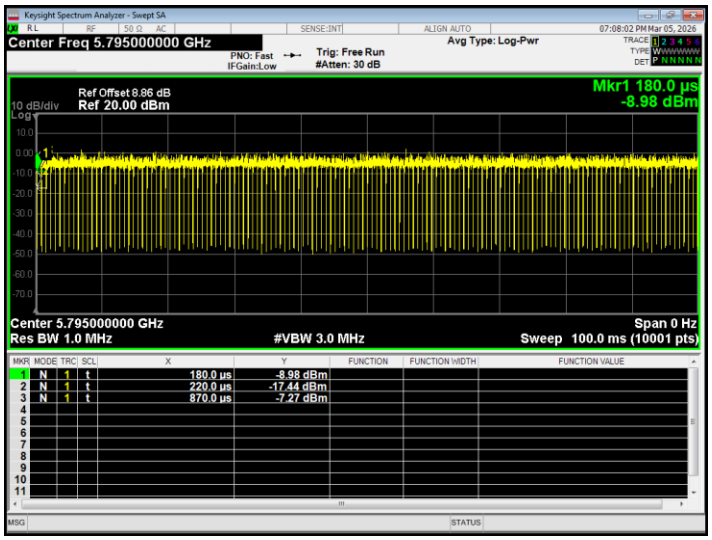
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1

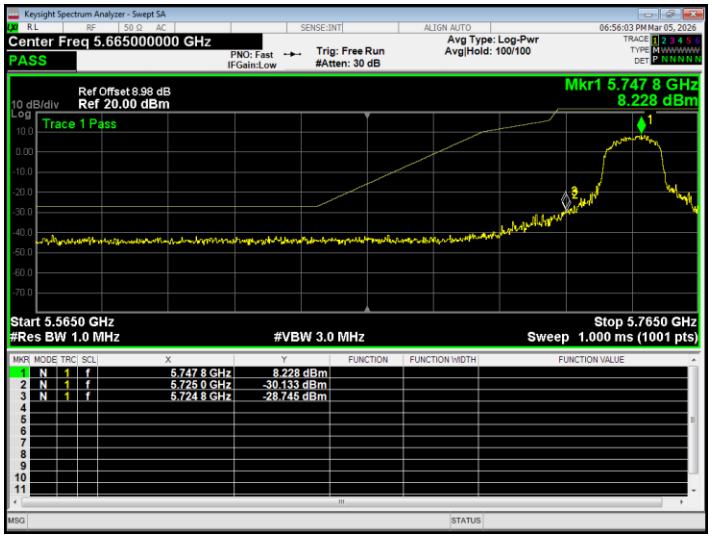

Keysight Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
07:08:02 PM Mar 05, 2026
Ref Offset 8.86 dB
10 dB/div
Ref 20.00 dBm
Mkr1 180.0 µs
-8.98 dBm
Center 5.795000000 GHz
Res BW 1.0 MHz
#VBW 3.0 MHz
Span 0 Hz
Sweep 100.0 ms (10001 pts)
1 N 1 t 180.0 µs -8.98 dBm
2 N 1 t 220.0 µs -17.44 dBm
3 N 1 t 870.0 µs -7.27 dBm

Conducted Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-28.74	15.6	Pass
NVNT	a	5825	Ant1	-29.06	15.6	Pass
NVNT	ac20	5745	Ant1	-23.69	15.6	Pass
NVNT	ac20	5825	Ant1	-27.15	15.6	Pass
NVNT	ac40	5755	Ant1	-33.28	12.5	Pass
NVNT	ac40	5795	Ant1	-37.16	15.6	Pass
NVNT	n20	5745	Ant1	-26.99	15.6	Pass
NVNT	n20	5825	Ant1	5.46	15.6	Pass
NVNT	n40	5755	Ant1	-26.08	15.6	Pass
NVNT	n40	5795	Ant1	-39.02	4.7	Pass

Note: The antenna gain is compensated in the test data.

Band Edge NVNT a 5745MHz Low Ant1

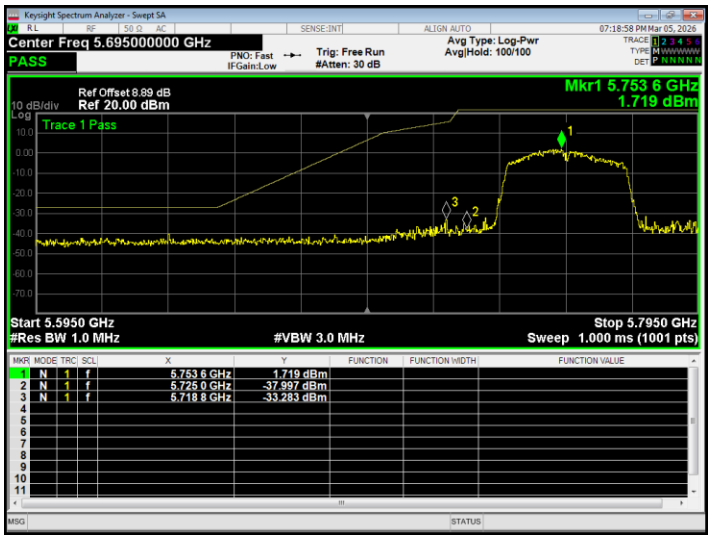


Band Edge NVNT a 5825MHz High Ant1

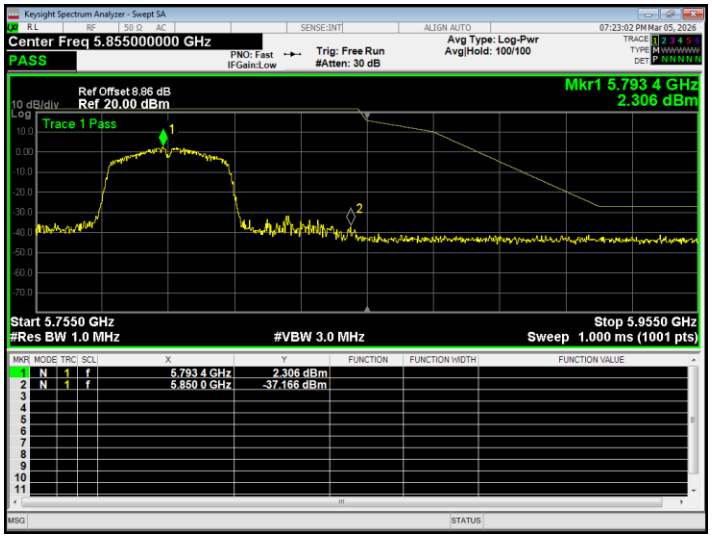
Band Edge NVNT ac20 5745MHz Low Ant1

Band Edge NVNT ac20 5825MHz High Ant1

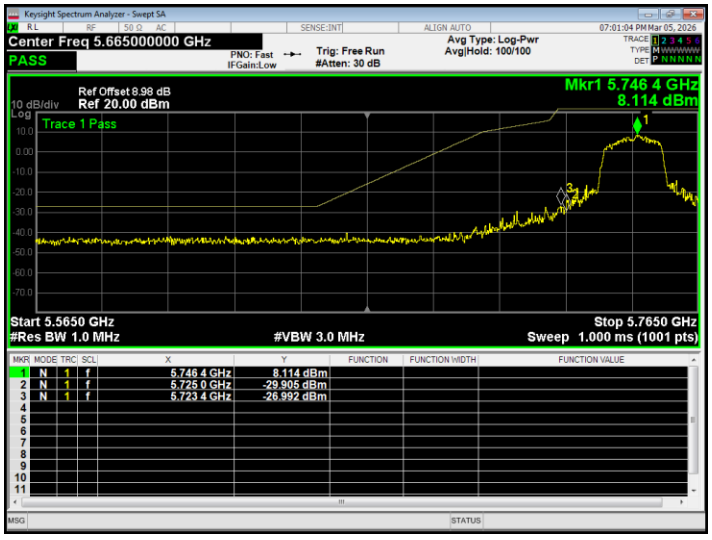
Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1



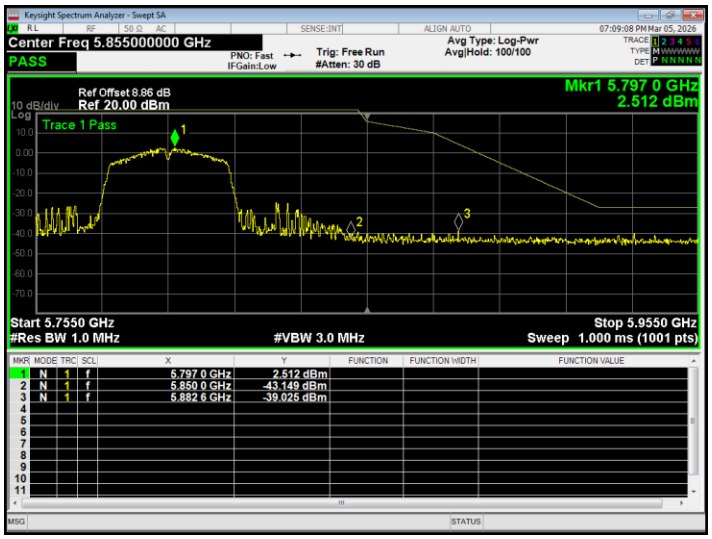
Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1

Band Edge NVNT n40 5755MHz Low Ant1

Band Edge NVNT n40 5795MHz High Ant1



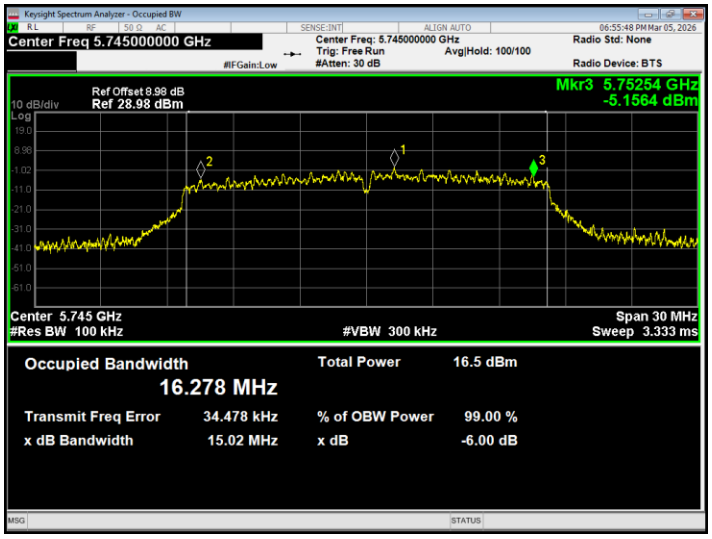
Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Output Power (dBm)	Duty factor (dB)	Total Output Power(dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	8.859	0.87	9.729	30	Pass
NVNT	a	5785	Ant1	8.517	0.87	9.387	30	Pass
NVNT	a	5825	Ant1	8.205	0.87	9.075	30	Pass
NVNT	ac20	5745	Ant1	9.989	0.13	10.119	30	Pass
NVNT	ac20	5785	Ant1	9.797	0.13	9.927	30	Pass
NVNT	ac20	5825	Ant1	9.426	0.13	9.556	30	Pass
NVNT	ac40	5755	Ant1	5.794	0.26	6.054	30	Pass
NVNT	ac40	5795	Ant1	6.535	0.26	6.795	30	Pass
NVNT	n20	5745	Ant1	10.052	0.16	10.212	30	Pass
NVNT	n20	5785	Ant1	9.687	0.13	9.817	30	Pass
NVNT	n20	5825	Ant1	9.505	0.13	9.635	30	Pass
NVNT	n40	5755	Ant1	5.882	0.32	6.202	30	Pass
NVNT	n40	5795	Ant1	6.542	0.26	6.802	30	Pass

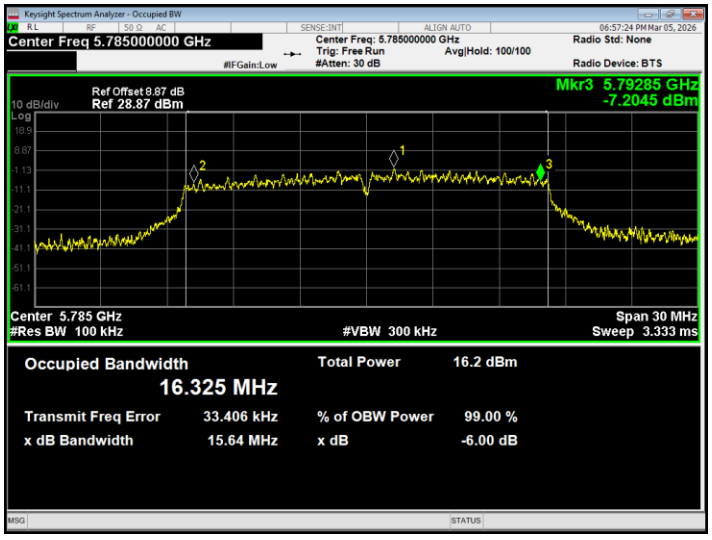
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.02	0.5	Pass
NVNT	a	5785	Ant1	15.64	0.5	Pass
NVNT	a	5825	Ant1	15.4	0.5	Pass
NVNT	ac20	5745	Ant1	15.03	0.5	Pass
NVNT	ac20	5785	Ant1	12.82	0.5	Pass
NVNT	ac20	5825	Ant1	15.09	0.5	Pass
NVNT	ac40	5755	Ant1	30.04	0.5	Pass
NVNT	ac40	5795	Ant1	28.82	0.5	Pass
NVNT	n20	5745	Ant1	14.02	0.5	Pass
NVNT	n20	5785	Ant1	14.45	0.5	Pass
NVNT	n20	5825	Ant1	15.04	0.5	Pass
NVNT	n40	5755	Ant1	32.53	0.5	Pass
NVNT	n40	5795	Ant1	32.52	0.5	Pass

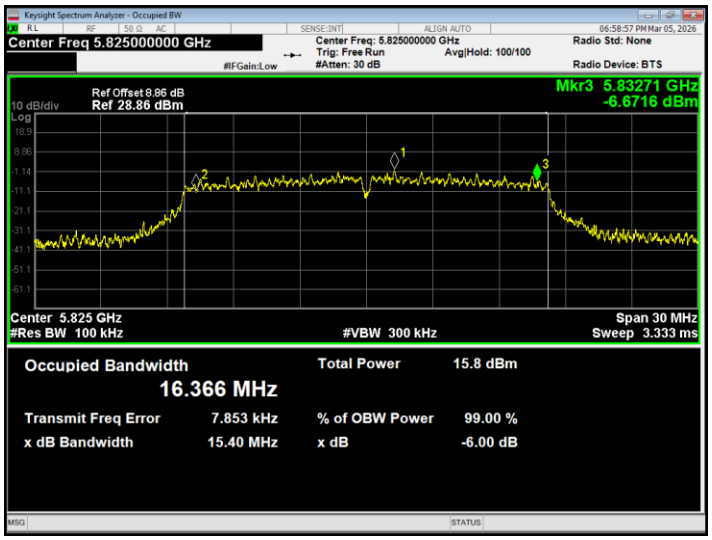
-6dB Bandwidth NVNT a 5745MHz Ant1



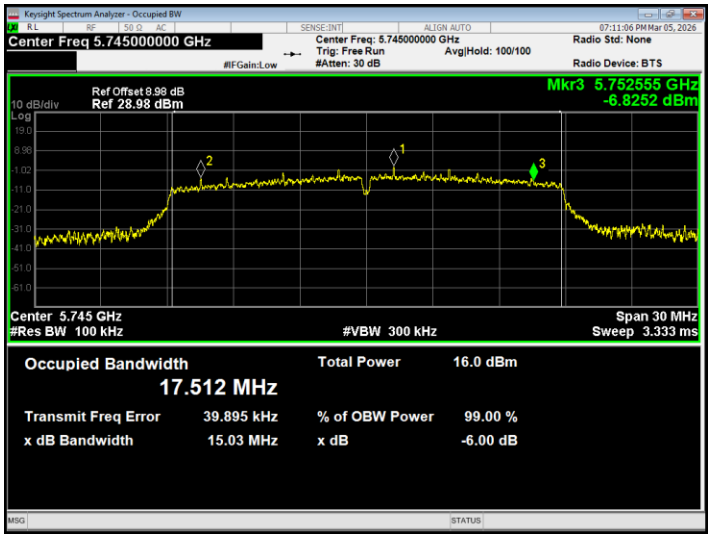
-6dB Bandwidth NVNT a 5785MHz Ant1



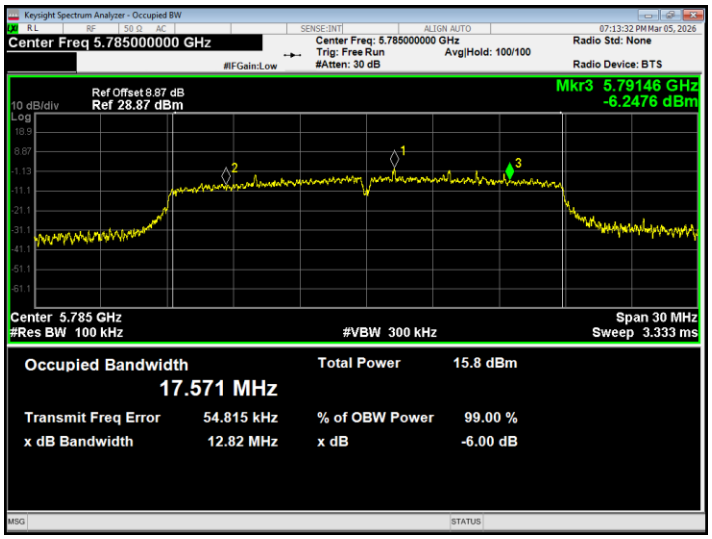
-6dB Bandwidth NVNT a 5825MHz Ant1



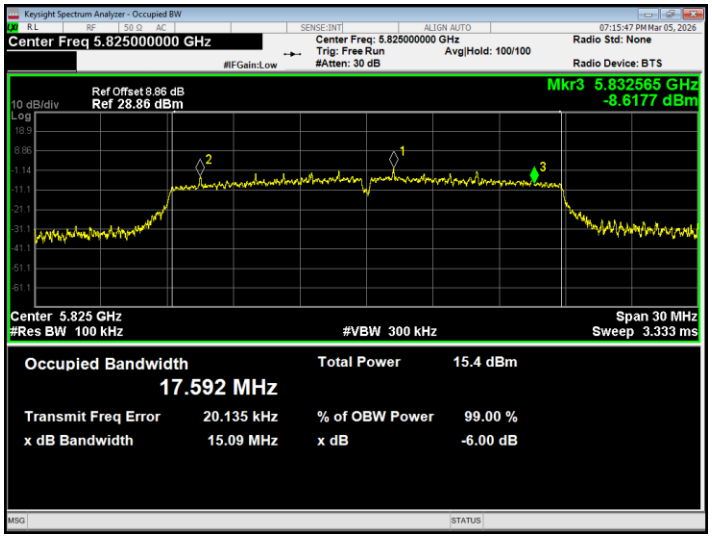
-6dB Bandwidth NVNT ac20 5745MHz Ant1



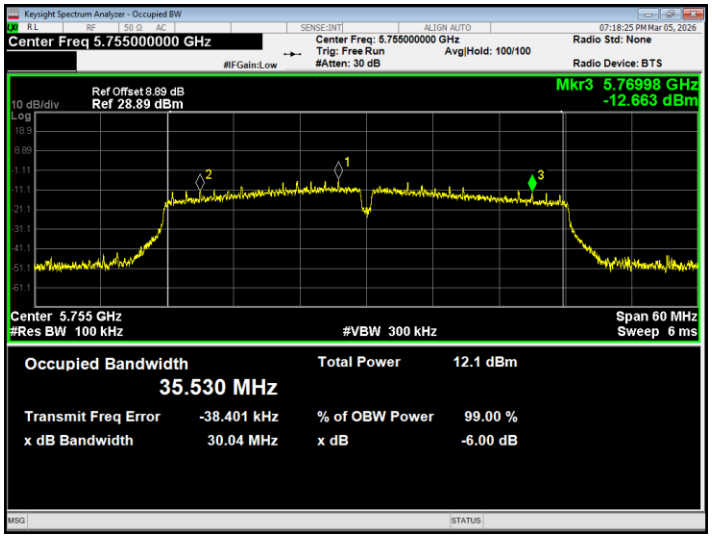
-6dB Bandwidth NVNT ac20 5785MHz Ant1



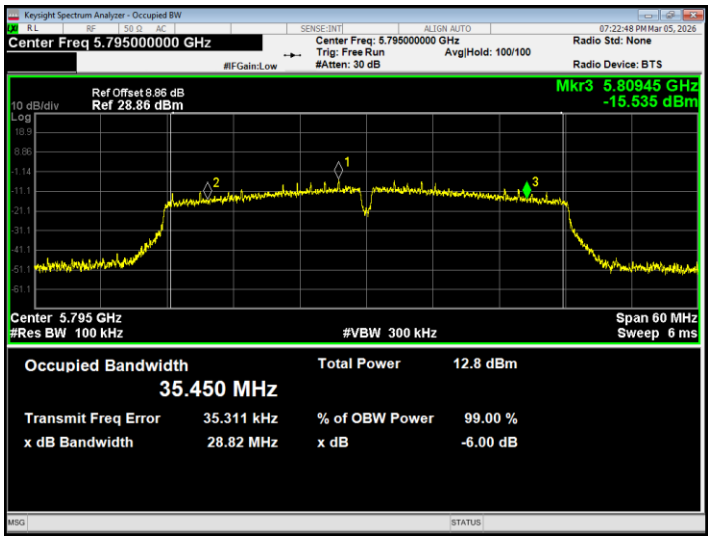
-6dB Bandwidth NVNT ac20 5825MHz Ant1



-6dB Bandwidth NVNT ac40 5755MHz Ant1



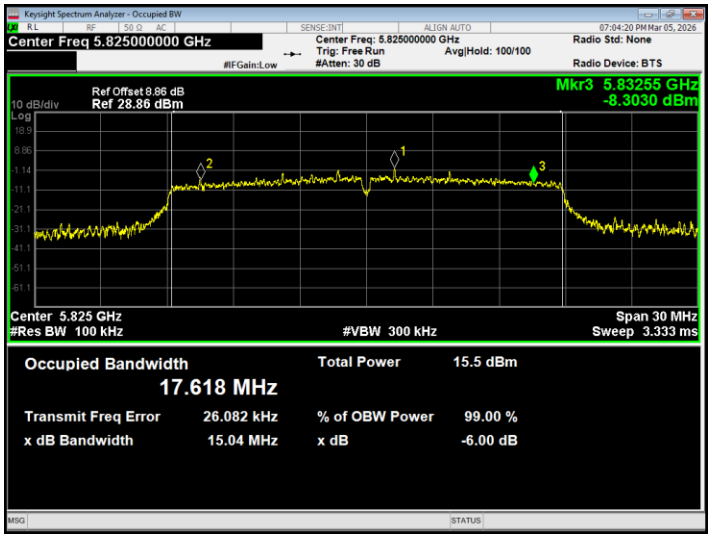
-6dB Bandwidth NVNT ac40 5795MHz Ant1



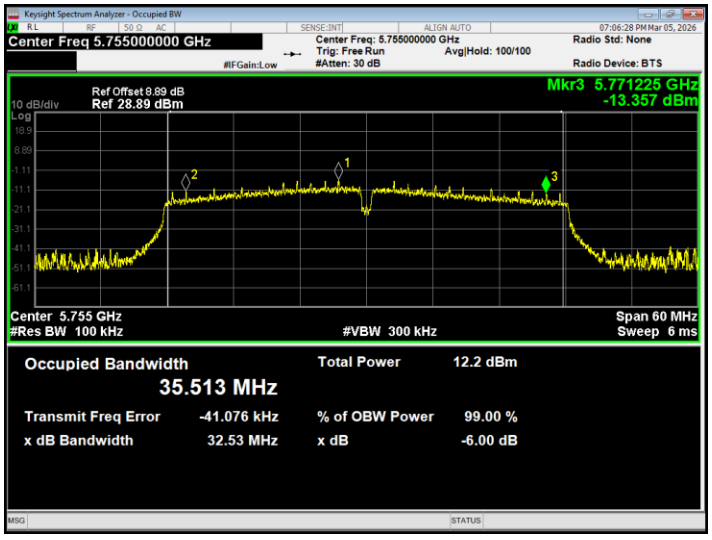
-6dB Bandwidth NVNT n20 5745MHz Ant1

-6dB Bandwidth NVNT n20 5785MHz Ant1

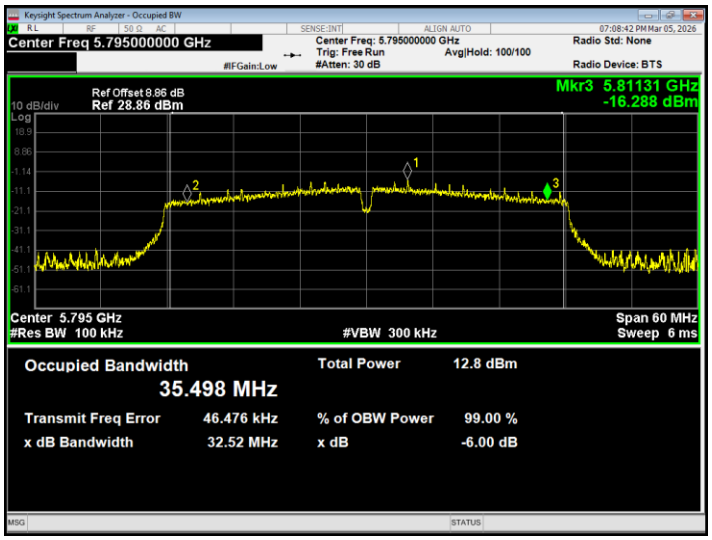
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



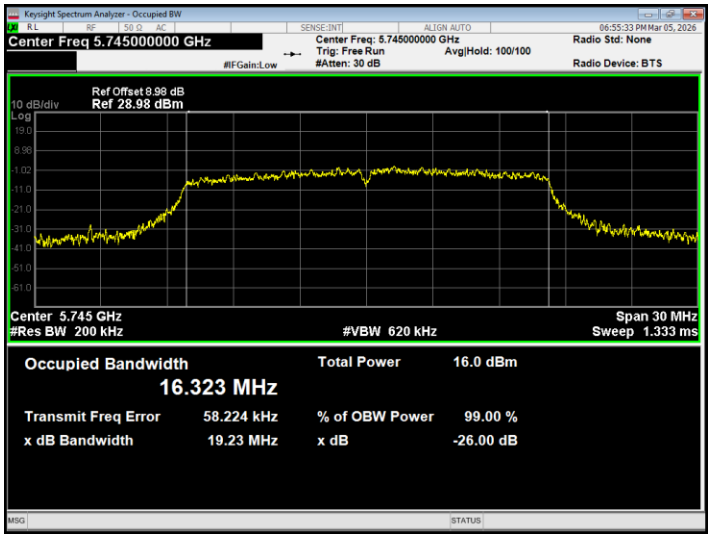
-6dB Bandwidth NVNT n40 5795MHz Ant1


Keysight Spectrum Analyzer - Occupied BW
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#IFGain:Low
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
07:08:42 PM Mar 05, 2026
Ref Offset 8.86 dB
10 dB/div
Ref 28.86 dBm
Log
Mkr3 5.81131 GHz
-16.288 dBm
Center 5.795 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 6 ms
Occupied Bandwidth
35.498 MHz
Total Power 12.8 dBm
Transmit Freq Error 46.476 kHz
% of OBW Power 99.00 %
x dB Bandwidth 32.52 MHz
x dB -6.00 dB
MSG
STATUS

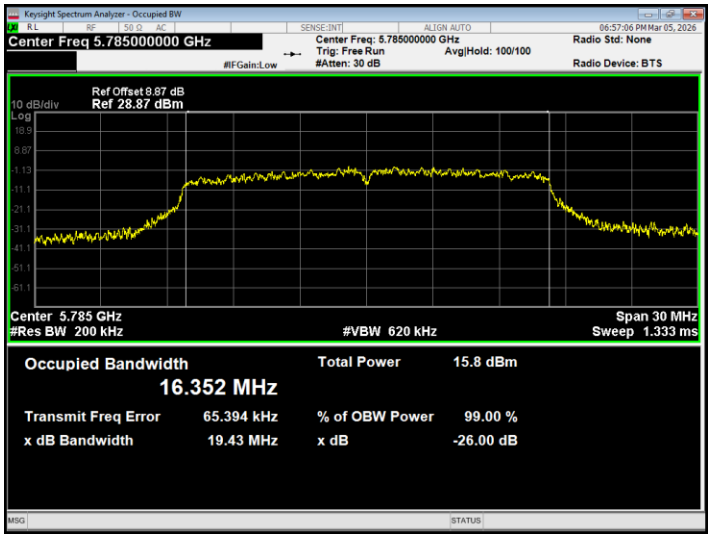
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.323
NVNT	a	5785	Ant1	16.352
NVNT	a	5825	Ant1	16.411
NVNT	ac20	5745	Ant1	17.531
NVNT	ac20	5785	Ant1	17.612
NVNT	ac20	5825	Ant1	17.657
NVNT	ac40	5755	Ant1	35.652
NVNT	ac40	5795	Ant1	35.525
NVNT	n20	5745	Ant1	17.514
NVNT	n20	5785	Ant1	17.644
NVNT	n20	5825	Ant1	17.695
NVNT	n40	5755	Ant1	35.673
NVNT	n40	5795	Ant1	35.559

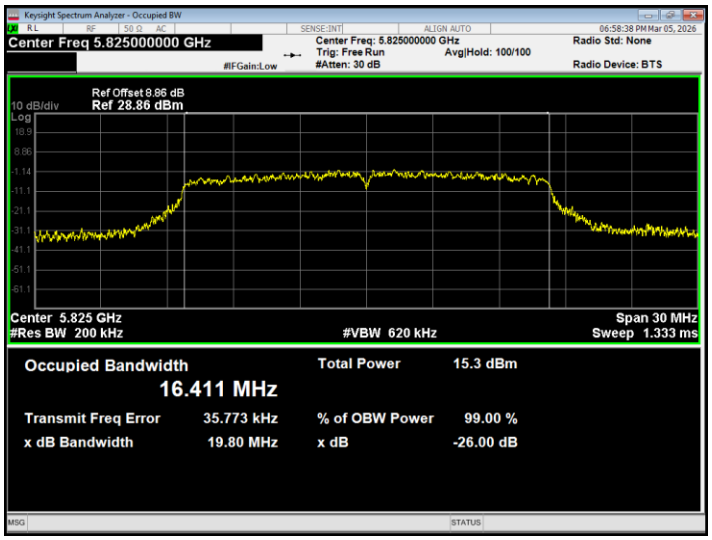
OBW NVNT a 5745MHz Ant1



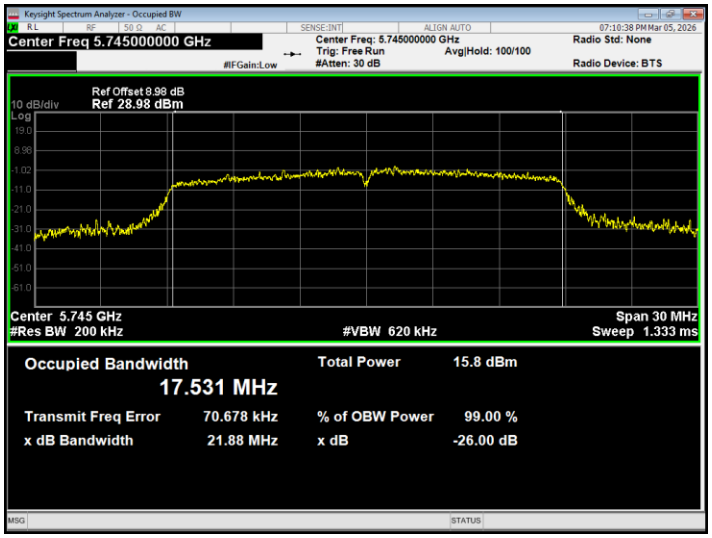
OBW NVNT a 5785MHz Ant1



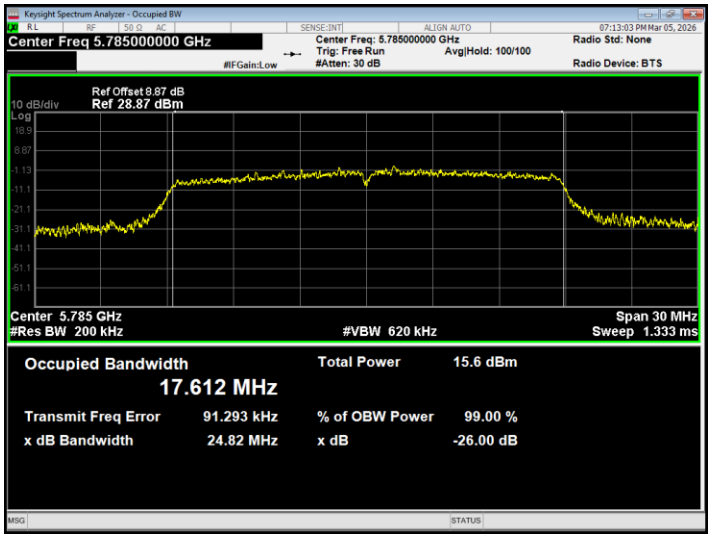
OBW NVNT a 5825MHz Ant1



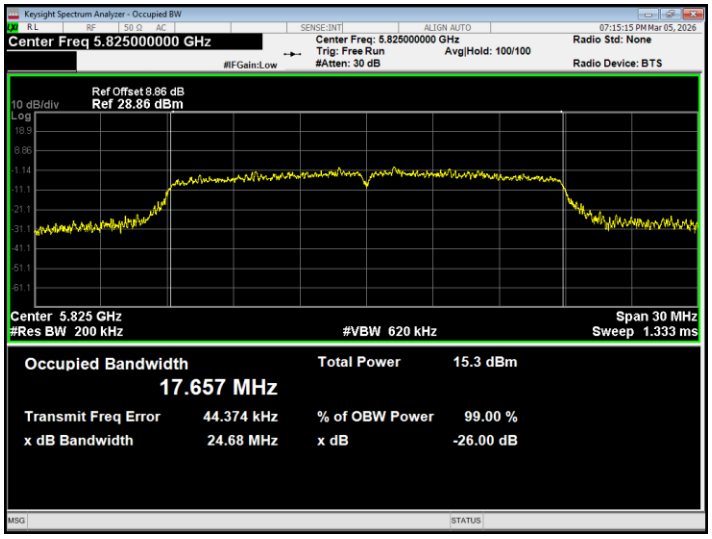
OBW NVNT ac20 5745MHz Ant1



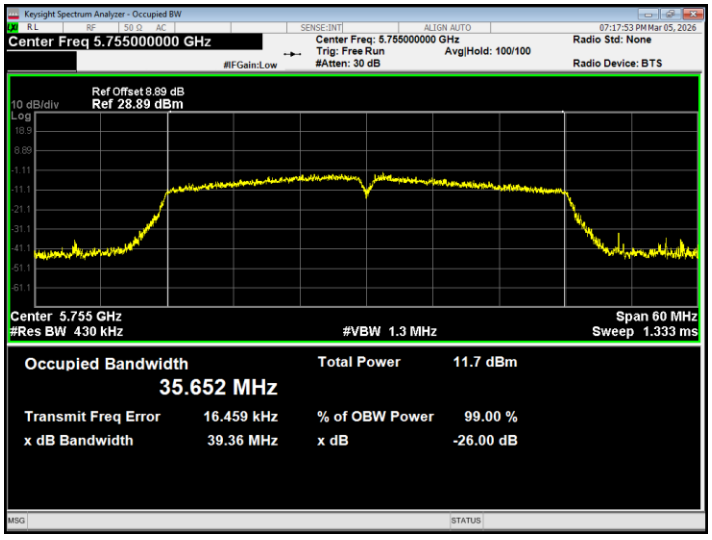
OBW NVNT ac20 5785MHz Ant1



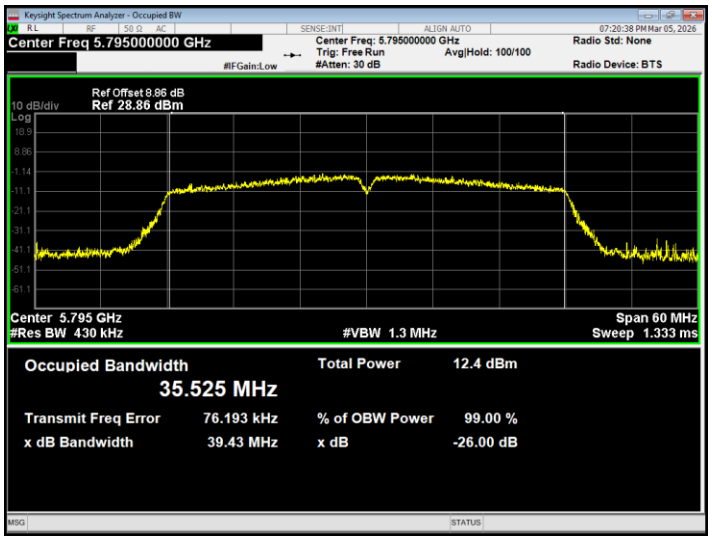
OBW NVNT ac20 5825MHz Ant1



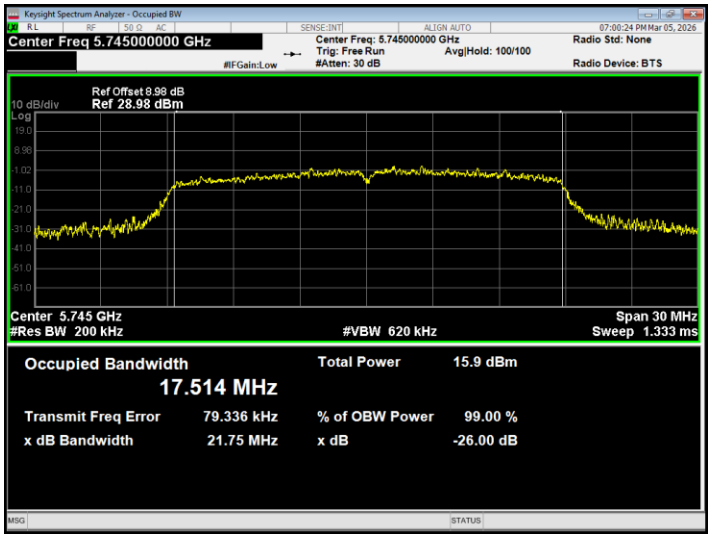
OBW NVNT ac40 5755MHz Ant1



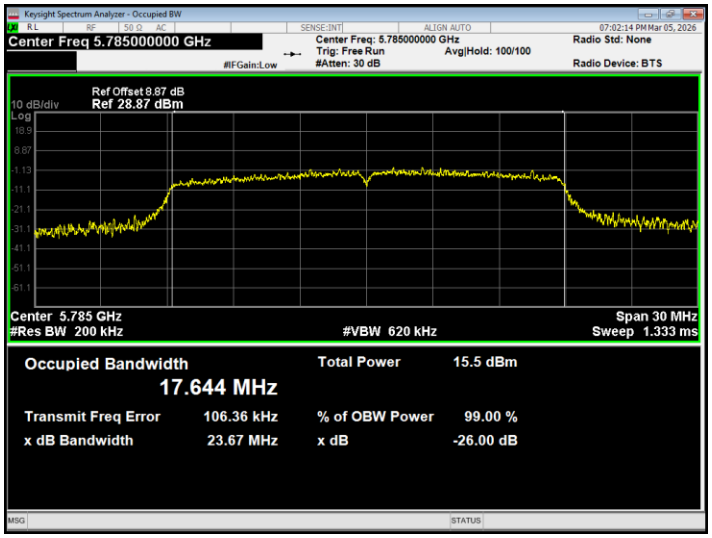
OBW NVNT ac40 5795MHz Ant1



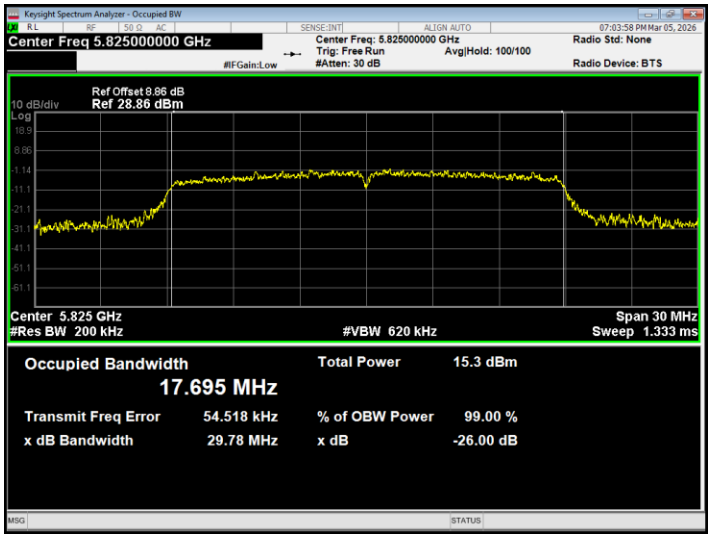
OBW NVNT n20 5745MHz Ant1



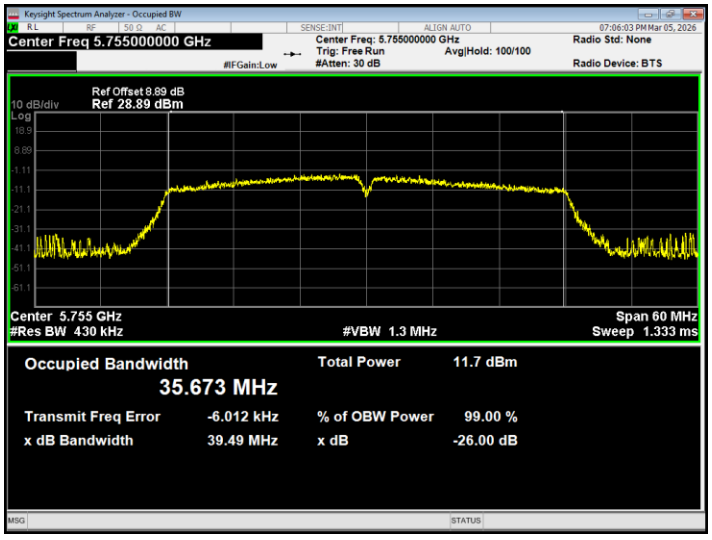
OBW NVNT n20 5785MHz Ant1



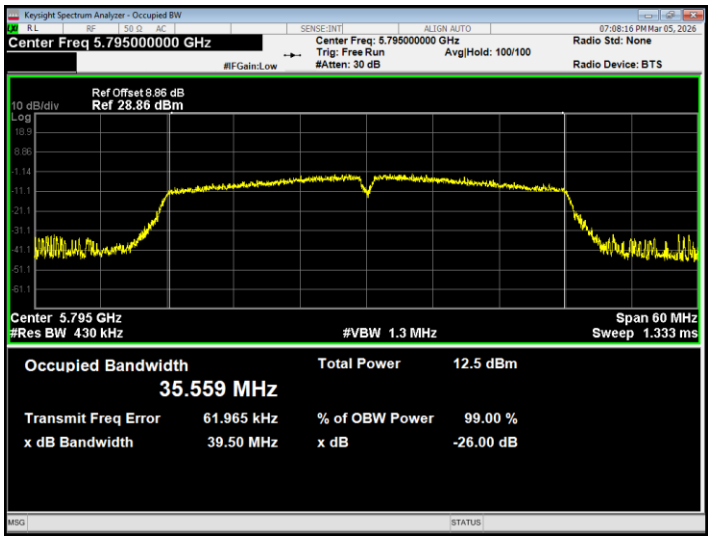
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



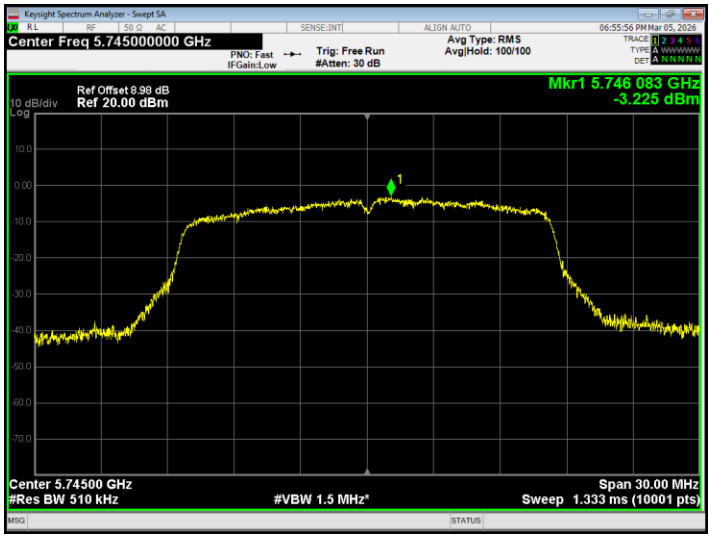
OBW NVNT n40 5795MHz Ant1


Keysight Spectrum Analyzer - Occupied BW
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#IFGain:Low
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
07:08:16 PM Mar 05, 2026
Ref Offset 8.86 dB
10 dB/div
Ref 28.86 dBm
Log
18.9
8.86
-1.14
-11.1
-21.1
-31.1
-41.1
-51.1
-61.1
Center 5.795 GHz
#Res BW 430 kHz
#VBW 1.3 MHz
Span 60 MHz
Sweep 1.333 ms
Occupied Bandwidth
35.559 MHz
Total Power 12.5 dBm
Transmit Freq Error 61.965 kHz
% of OBW Power 99.00 %
x dB Bandwidth 39.50 MHz
x dB -26.00 dB
MSG
STATUS

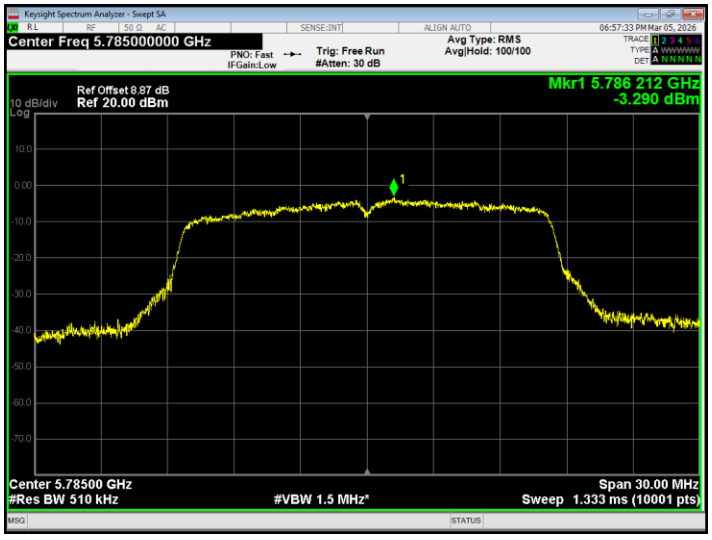
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-3.225	0.87	-2.355	30	Pass
NVNT	a	5785	Ant1	-3.29	0.87	-2.42	30	Pass
NVNT	a	5825	Ant1	-3.849	0.87	-2.979	30	Pass
NVNT	ac20	5745	Ant1	-2.334	0.13	-2.204	30	Pass
NVNT	ac20	5785	Ant1	-2.892	0.13	-2.762	30	Pass
NVNT	ac20	5825	Ant1	-3.118	0.13	-2.988	30	Pass
NVNT	ac40	5755	Ant1	-8.568	0.26	-8.308	30	Pass
NVNT	ac40	5795	Ant1	-7.944	0.26	-7.684	30	Pass
NVNT	n20	5745	Ant1	-2.262	0.16	-2.102	30	Pass
NVNT	n20	5785	Ant1	-2.84	0.13	-2.71	30	Pass
NVNT	n20	5825	Ant1	-3.316	0.13	-3.186	30	Pass
NVNT	n40	5755	Ant1	-8.747	0.32	-8.427	30	Pass
NVNT	n40	5795	Ant1	-8.236	0.26	-7.976	30	Pass

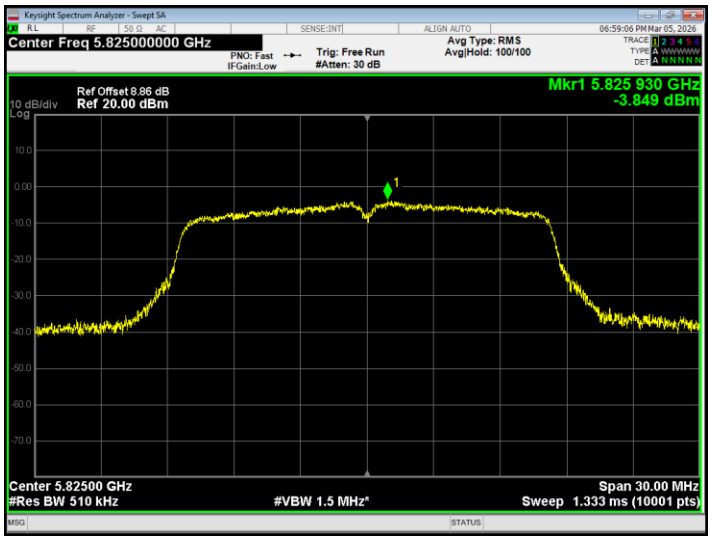
PSD NVNT a 5745MHz Ant1



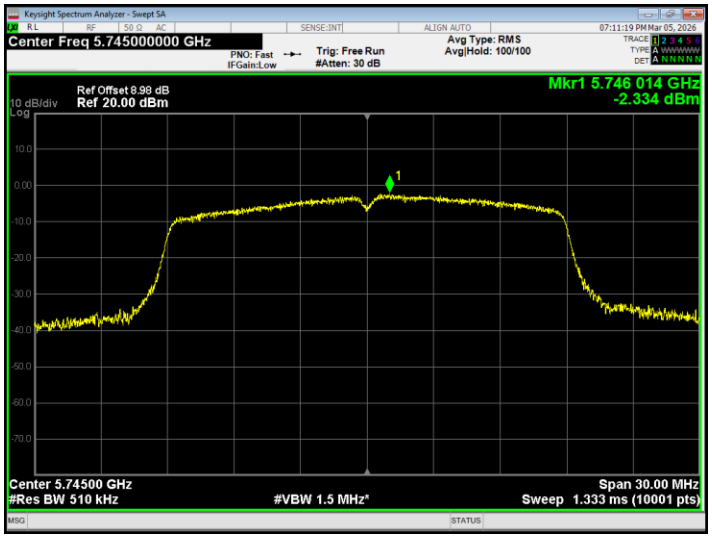
PSD NVNT a 5785MHz Ant1



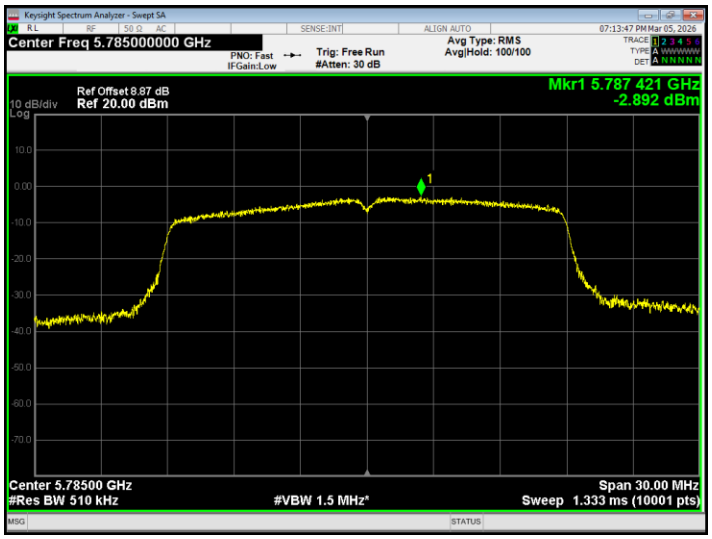
PSD NVNT a 5825MHz Ant1



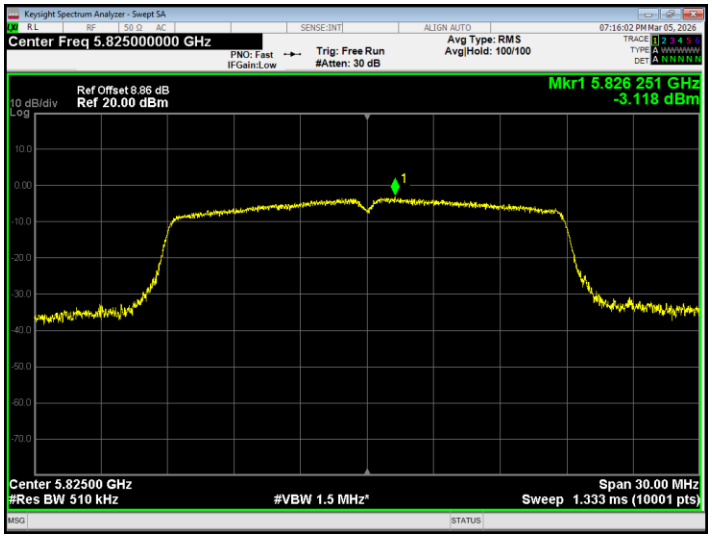
PSD NVNT ac20 5745MHz Ant1



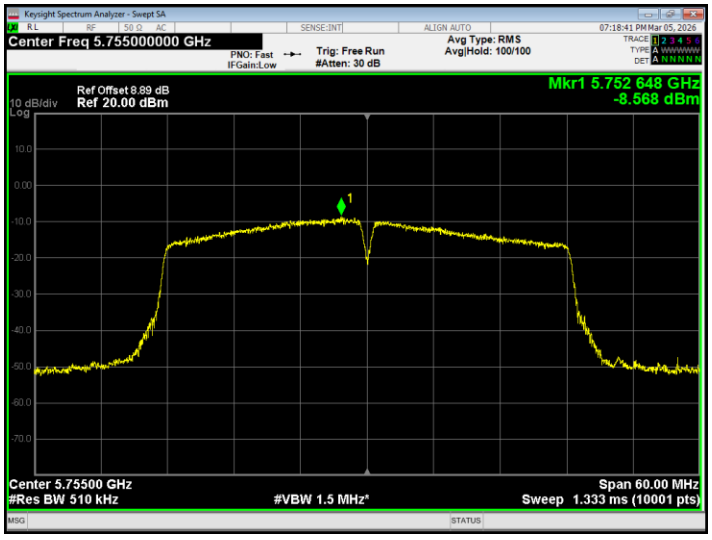
PSD NVNT ac20 5785MHz Ant1



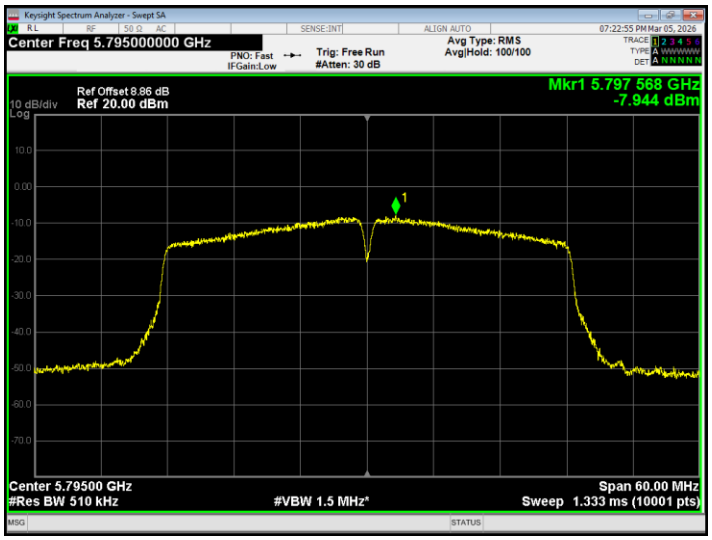
PSD NVNT ac20 5825MHz Ant1



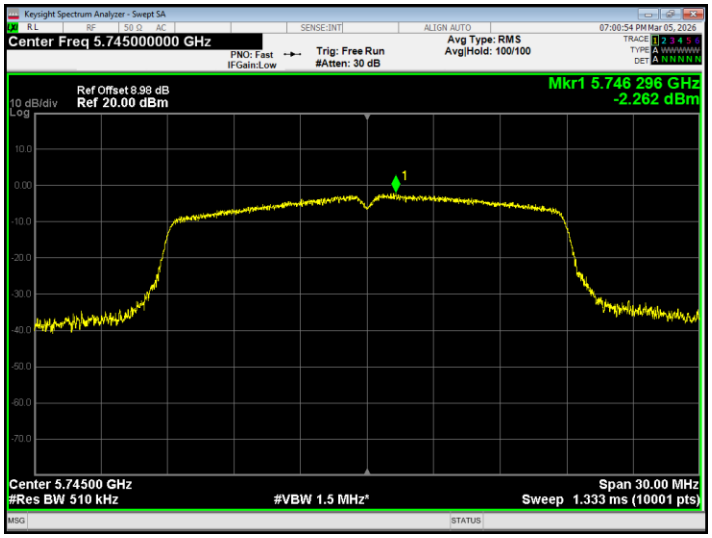
PSD NVNT ac40 5755MHz Ant1



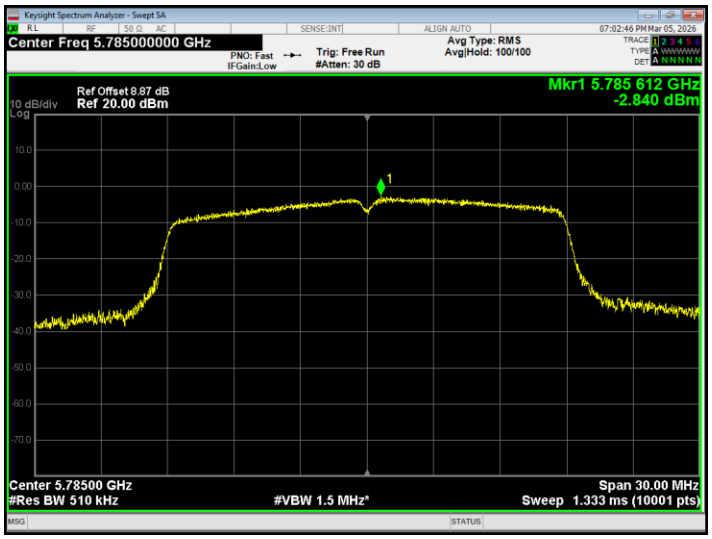
PSD NVNT ac40 5795MHz Ant1



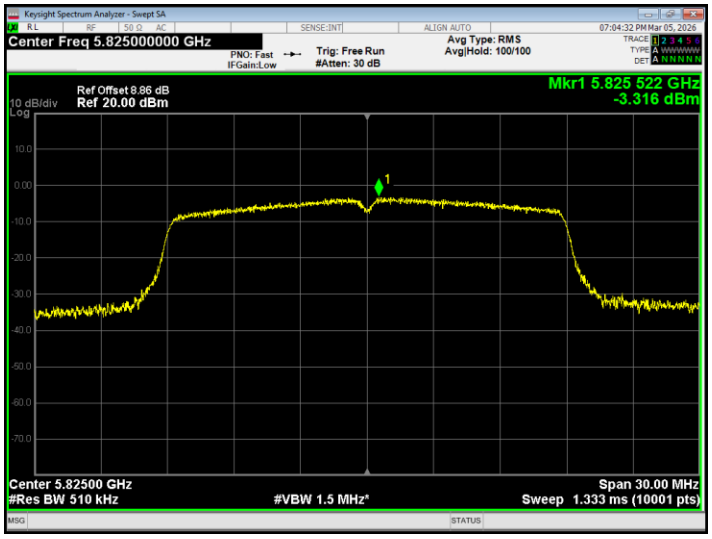
PSD NVNT n20 5745MHz Ant1



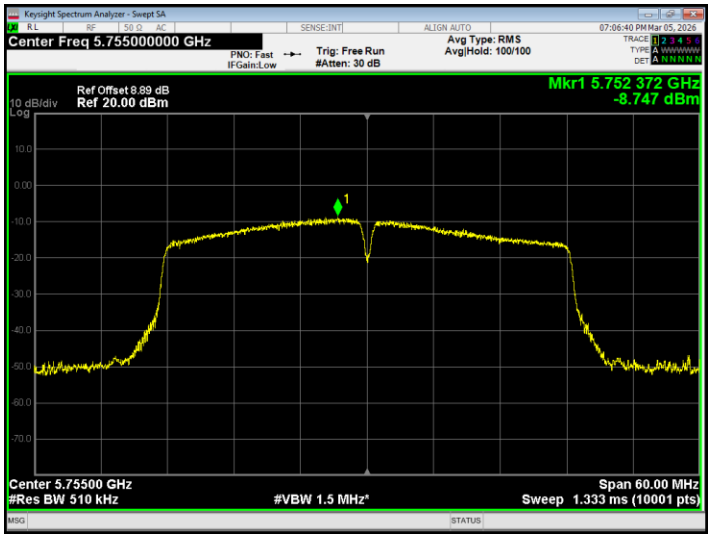
PSD NVNT n20 5785MHz Ant1



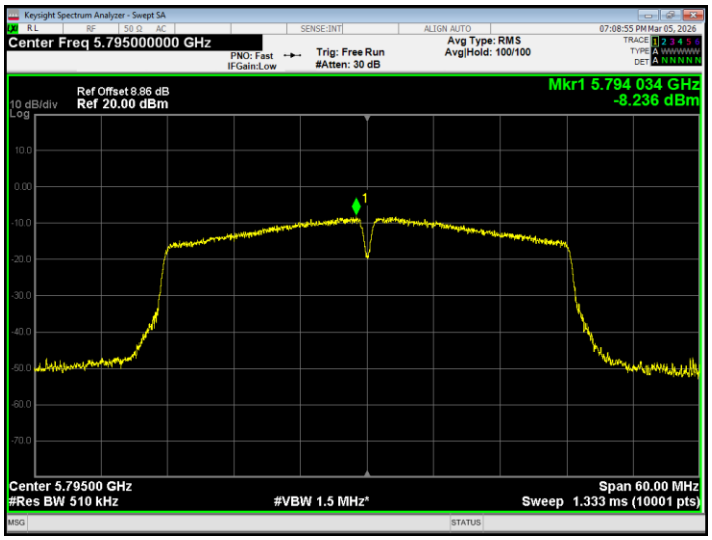
PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 100/100
07:08:55 PM Mar 05, 2026
Ref Offset 8.86 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.794 034 GHz
-8.236 dBm
Center 5.79500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 60.00 MHz
Sweep 1.333 ms (10001 pts)