ANNEX 2
FCC ID: 2BLM9-WR1800N

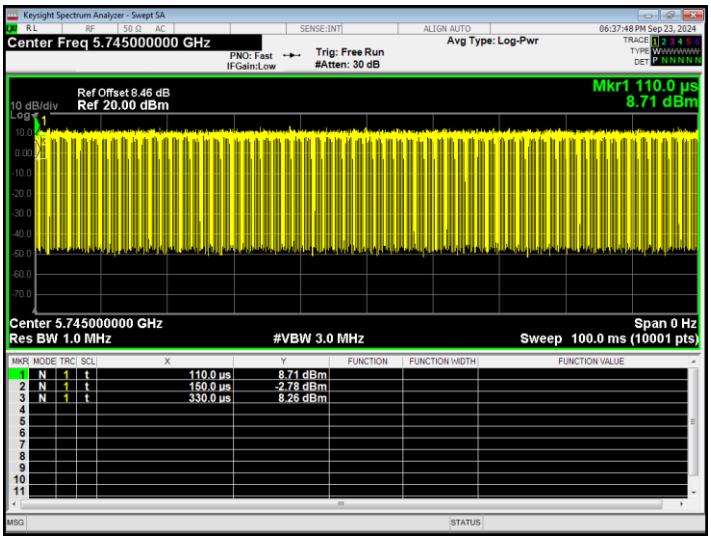
Applicant:	Shenzhen Maiyuan Industry
Address:	Aohua Business Building, Longhua District, Shenzhen City, Guangdong Province, China
Manufacturer:	Shenzhen Maiyuan Industry
Address:	Aohua Business Building, Longhua District, Shenzhen City, Guangdong Province, China
EUT:	Router
Trade Mark:	N/A
Model Number:	MY-WR1800N
Date of Receipt:	Sep. 12, 2024
Test Date:	Sep. 12, 2024 - Sep. 27, 2024
Date of Report:	Sep. 27, 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

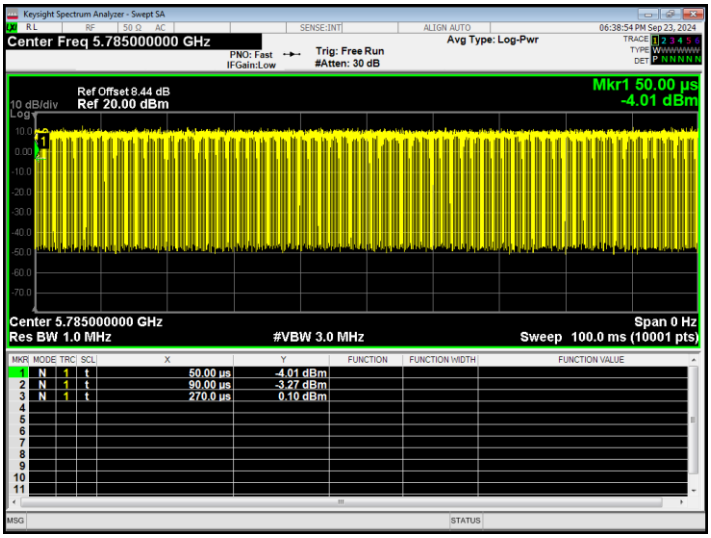
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	81.82	0.87
NVNT	a	5785	Ant1	81.82	0.87
NVNT	a	5825	Ant1	81.82	0.87
NVNT	ac20	5745	Ant1	93.06	0.31
NVNT	ac20	5785	Ant1	93.15	0.31
NVNT	ac20	5825	Ant1	94.44	0.25
NVNT	ac40	5755	Ant1	89.74	0.47
NVNT	ac40	5795	Ant1	89.74	0.47
NVNT	ac80	5775	Ant1	78.26	1.06
NVNT	ax20	5745	Ant1	92.16	0.35
NVNT	ax20	5785	Ant1	92	0.36
NVNT	ax20	5825	Ant1	92.16	0.35
NVNT	ax40	5755	Ant1	82.76	0.82
NVNT	ax40	5795	Ant1	85.71	0.67
NVNT	ax80	5775	Ant1	72.22	1.41
NVNT	n20	5745	Ant1	97.01	0.13
NVNT	n20	5785	Ant1	96.3	0.16
NVNT	n20	5825	Ant1	96.3	0.16
NVNT	n40	5755	Ant1	94.2	0.26
NVNT	n40	5795	Ant1	94.2	0.26

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant2	77.27	1.12
NVNT	a	5785	Ant2	81.82	0.87
NVNT	a	5825	Ant2	81.82	0.87
NVNT	ac20	5745	Ant2	93.15	0.31
NVNT	ac20	5785	Ant2	93.06	0.31
NVNT	ac20	5825	Ant2	94.44	0.25
NVNT	ac40	5755	Ant2	89.74	0.47
NVNT	ac40	5795	Ant2	89.74	0.47
NVNT	ac80	5775	Ant2	78.26	1.06
NVNT	ax20	5745	Ant2	90.2	0.45
NVNT	ax20	5785	Ant2	90.2	0.45
NVNT	ax20	5825	Ant2	92.16	0.35
NVNT	ax40	5755	Ant2	86.21	0.64
NVNT	ax40	5795	Ant2	82.76	0.82
NVNT	ax80	5775	Ant2	77.78	1.09
NVNT	n20	5745	Ant2	97.01	0.13
NVNT	n20	5785	Ant2	96.3	0.16
NVNT	n20	5825	Ant2	97.01	0.13
NVNT	n40	5755	Ant2	94.2	0.26
NVNT	n40	5795	Ant2	92.86	0.32

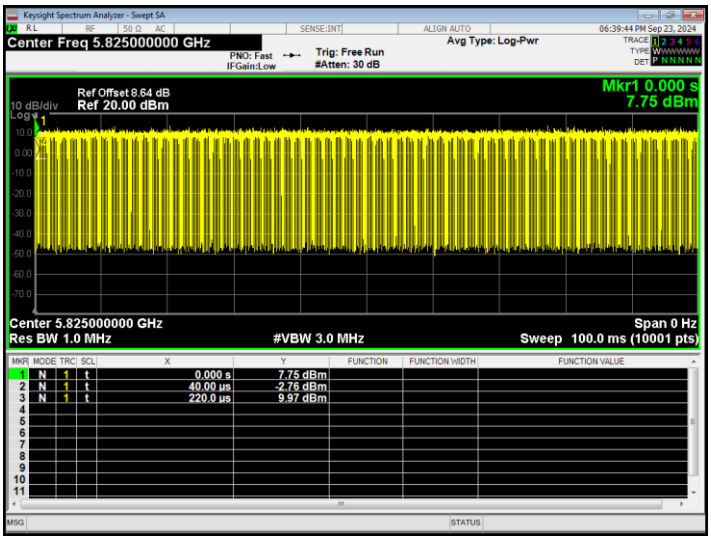
Duty Cycle NVNT a 5745MHz Ant1



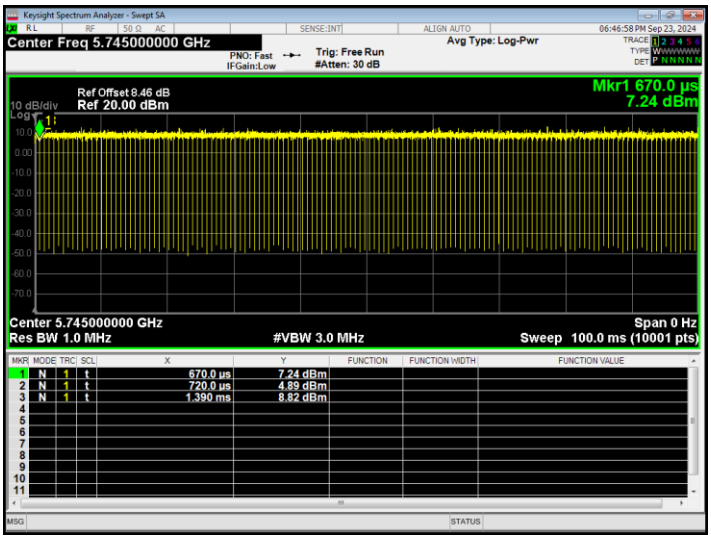
Duty Cycle NVNT a 5785MHz Ant1



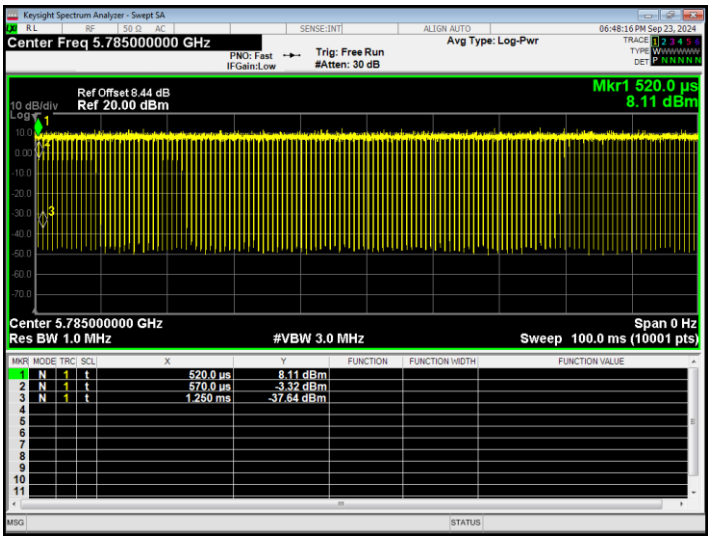
Duty Cycle NVNT a 5825MHz Ant1



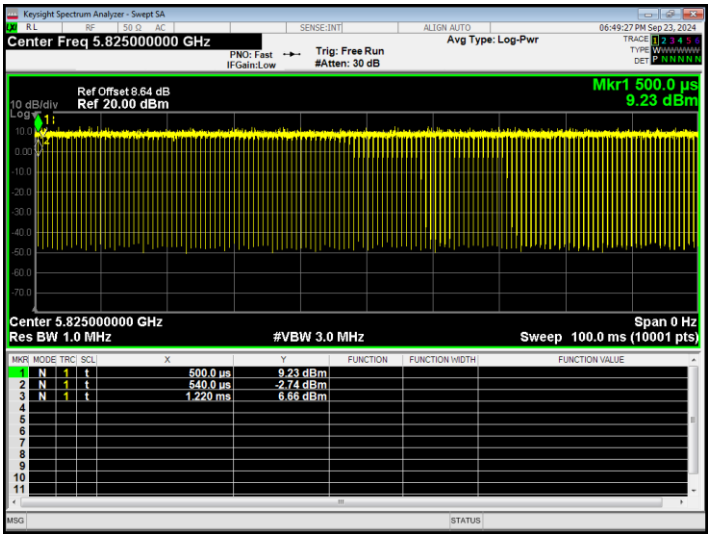
Duty Cycle NVNT ac20 5745MHz Ant1



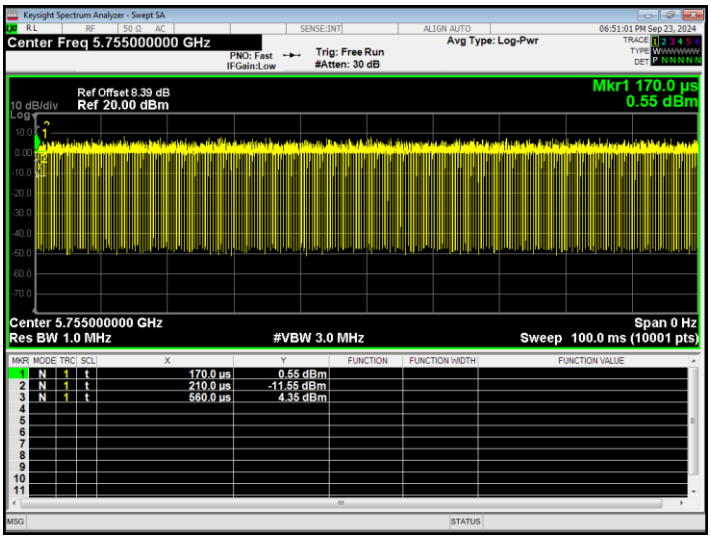
Duty Cycle NVNT ac20 5785MHz Ant1



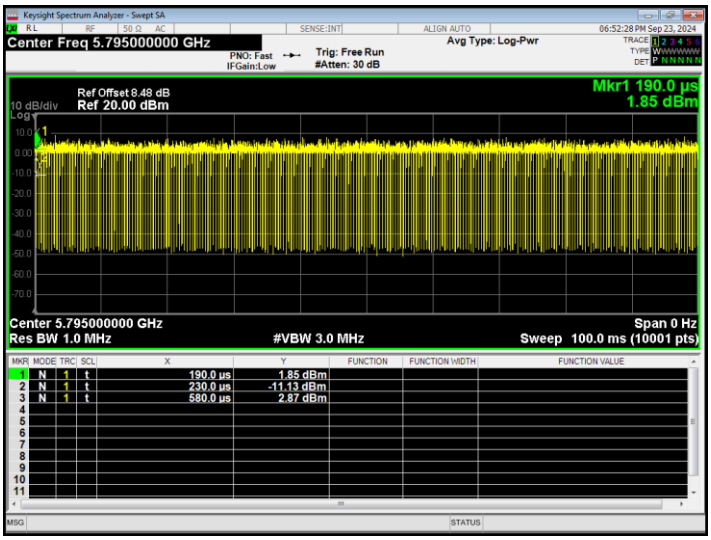
Duty Cycle NVNT ac20 5825MHz Ant1



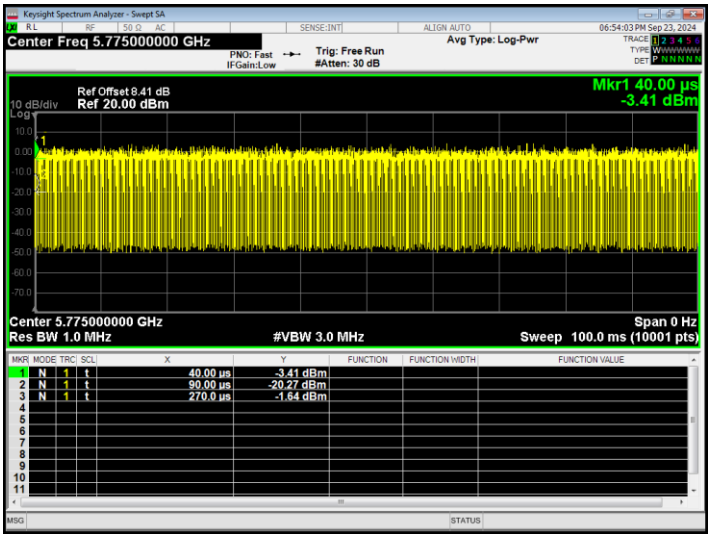
Duty Cycle NVNT ac40 5755MHz Ant1



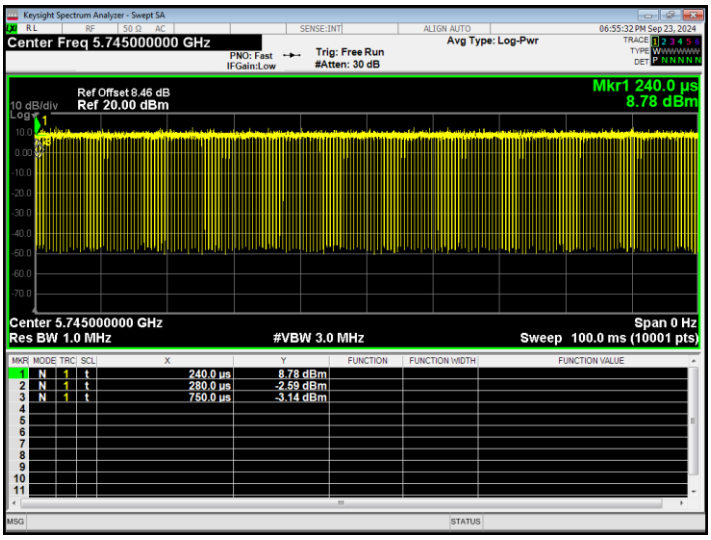
Duty Cycle NVNT ac40 5795MHz Ant1



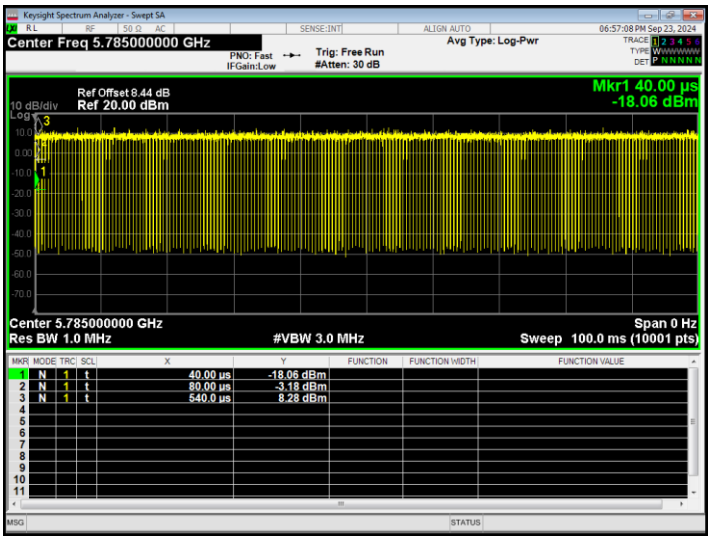
Duty Cycle NVNT ac80 5775MHz Ant1



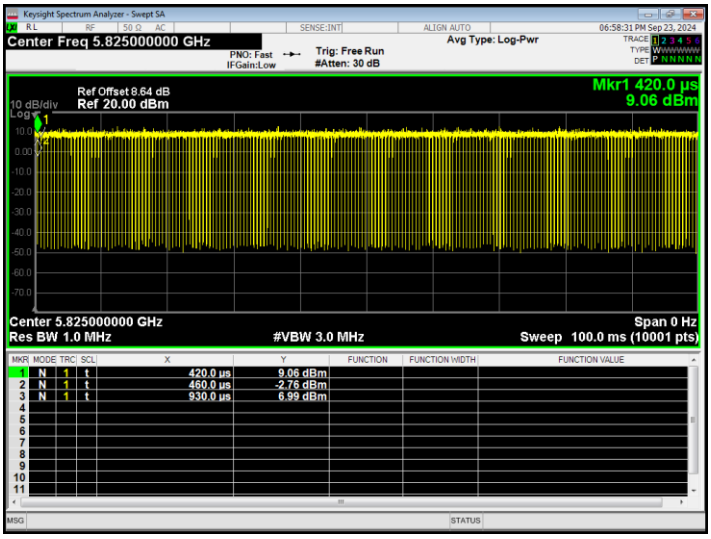
Duty Cycle NVNT ax20 5745MHz Ant1



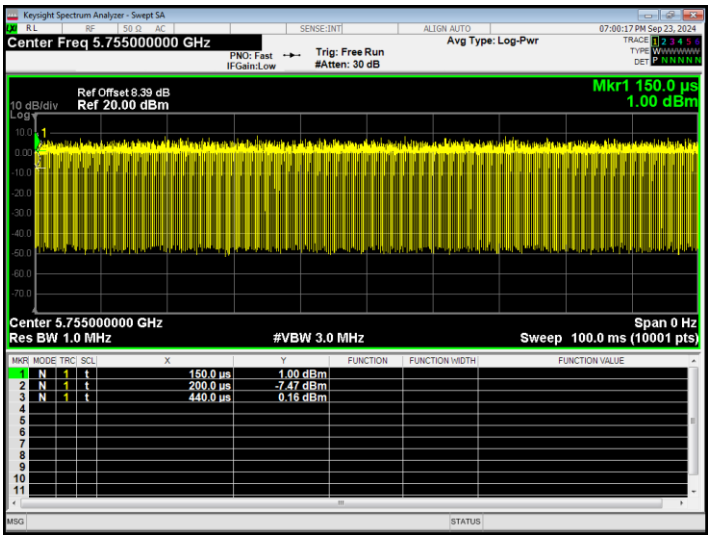
Duty Cycle NVNT ax20 5785MHz Ant1



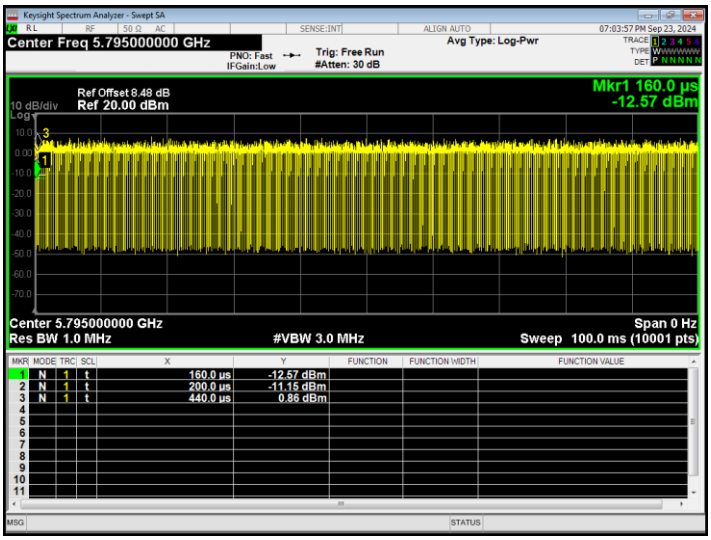
Duty Cycle NVNT ax20 5825MHz Ant1



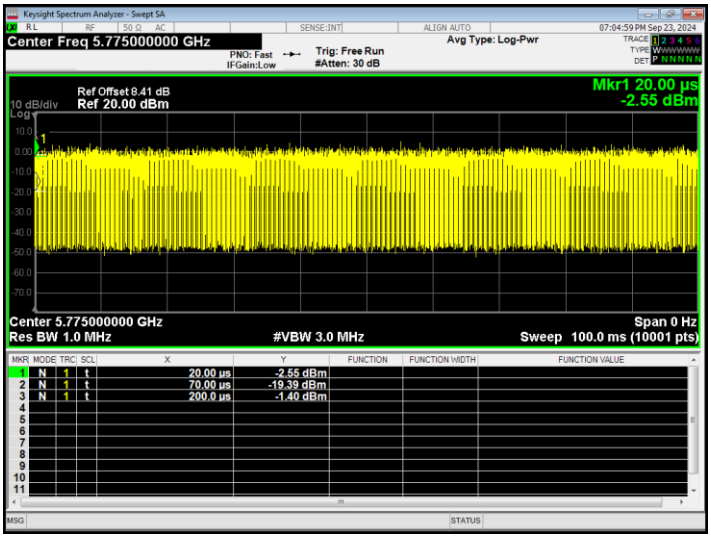
Duty Cycle NVNT ax40 5755MHz Ant1



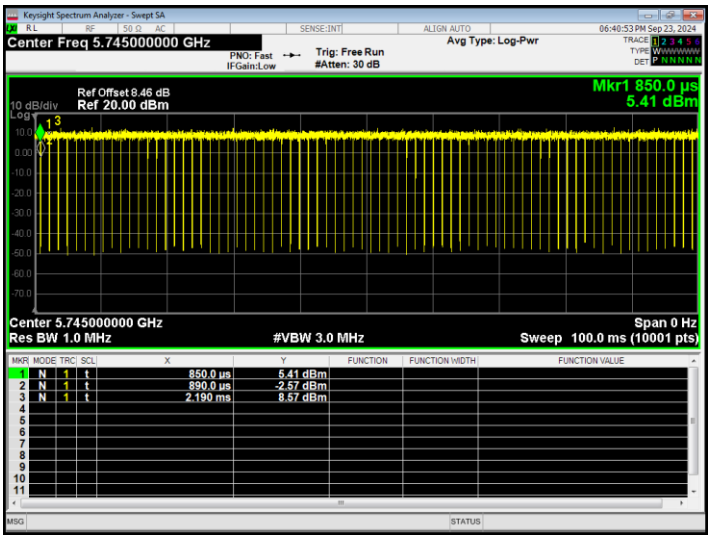
Duty Cycle NVNT ax40 5795MHz Ant1



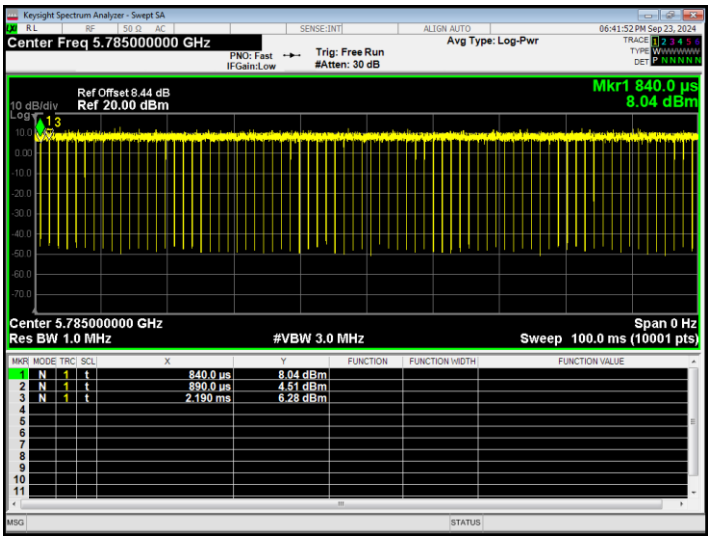
Duty Cycle NVNT ax80 5775MHz Ant1



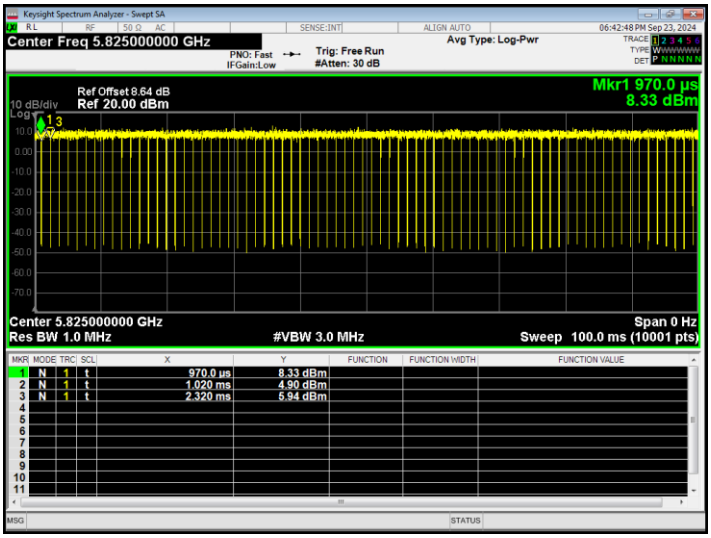
Duty Cycle NVNT n20 5745MHz Ant1



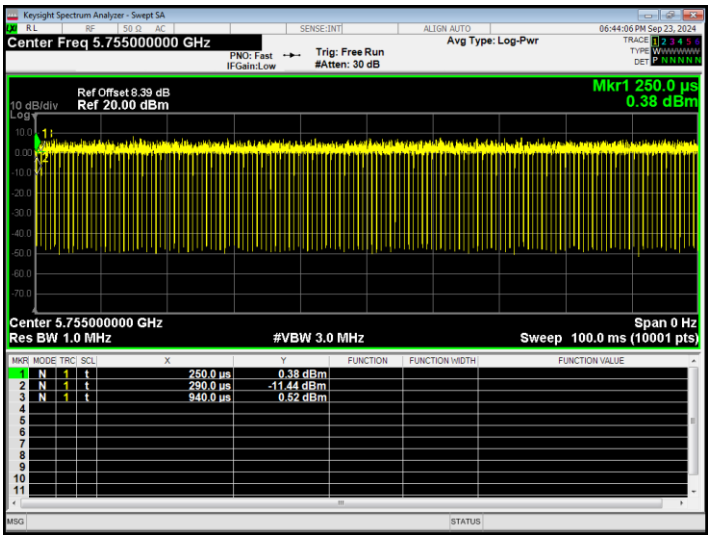
Duty Cycle NVNT n20 5785MHz Ant1



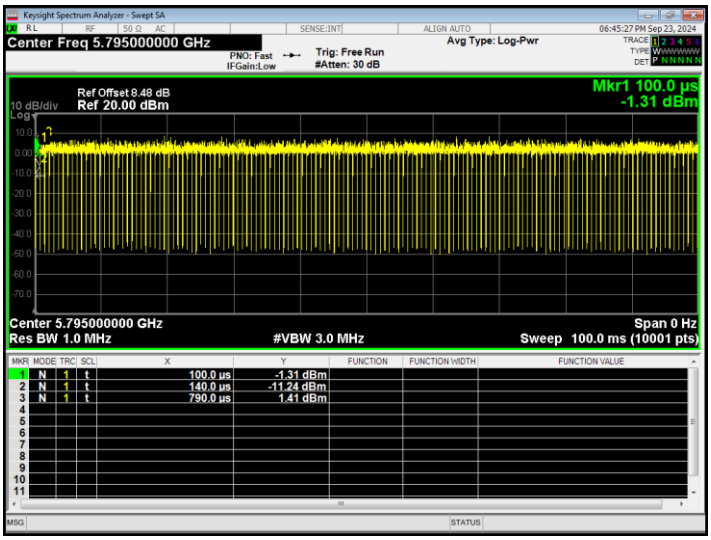
Duty Cycle NVNT n20 5825MHz Ant1



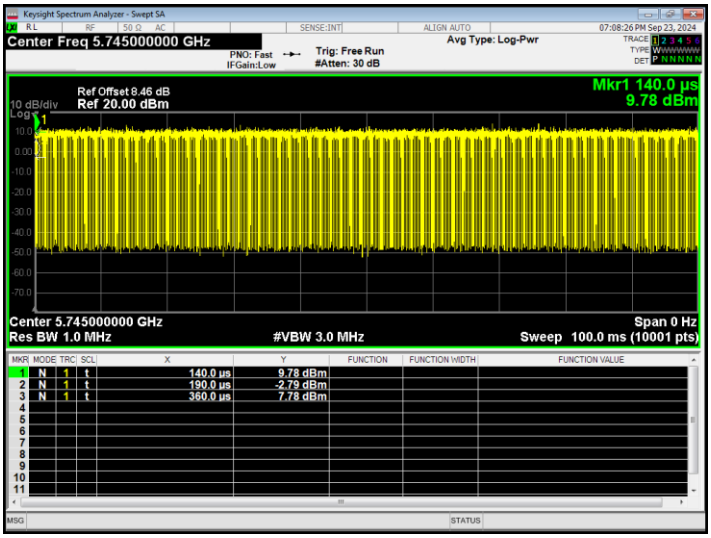
Duty Cycle NVNT n40 5755MHz Ant1



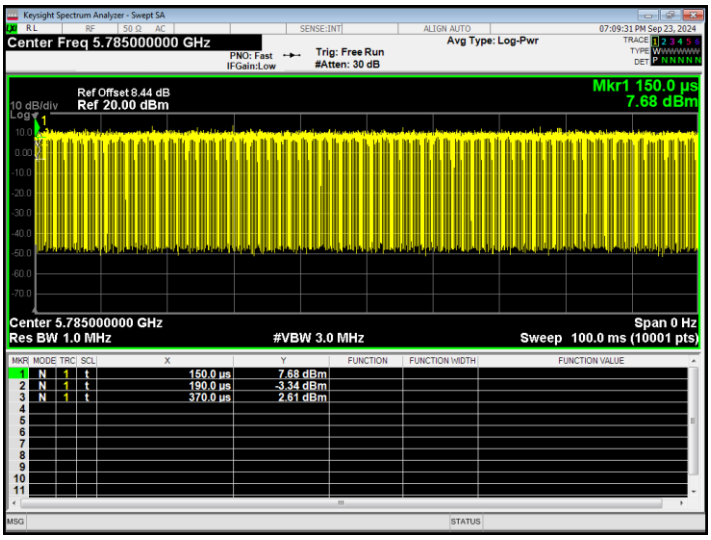
Duty Cycle NVNT n40 5795MHz Ant1



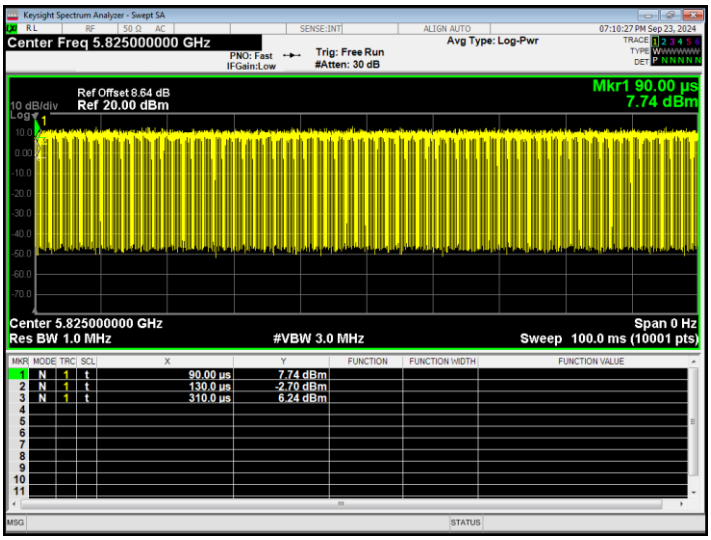
Duty Cycle NVNT a 5745MHz Ant2



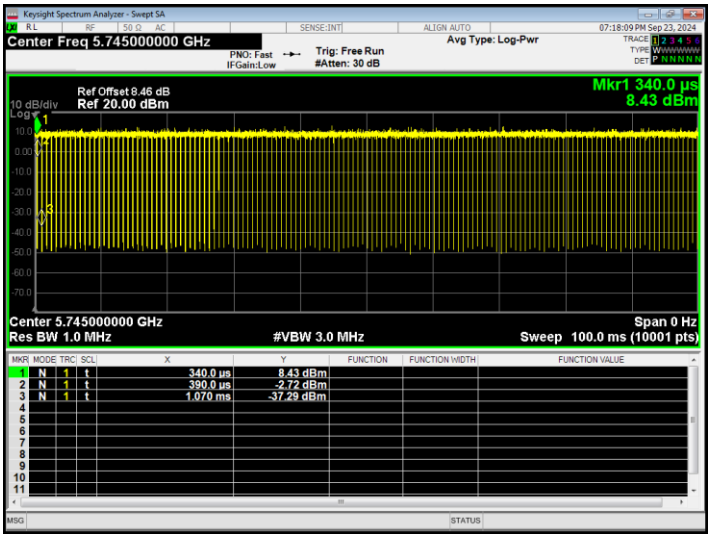
Duty Cycle NVNT a 5785MHz Ant2



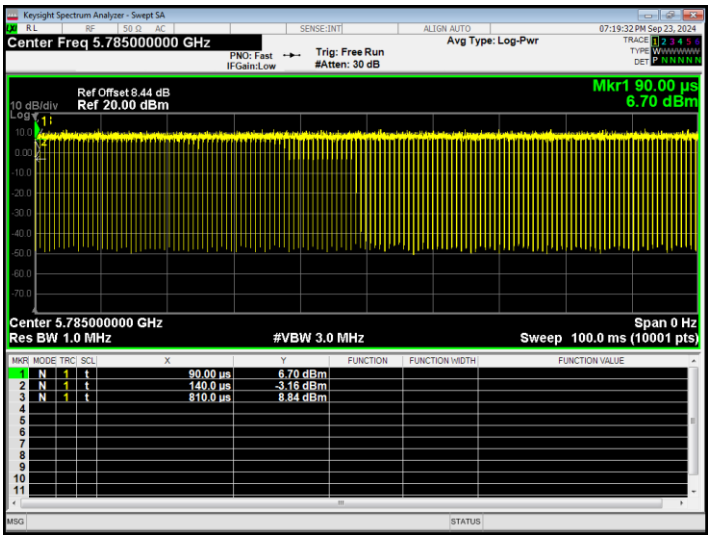
Duty Cycle NVNT a 5825MHz Ant2



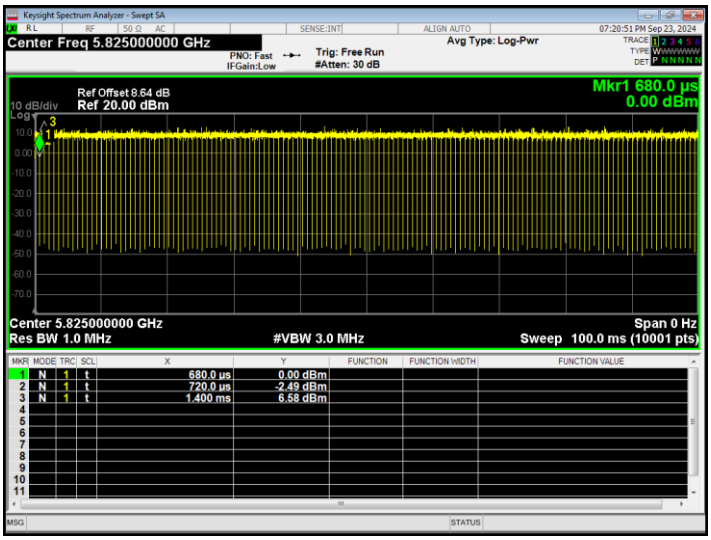
Duty Cycle NVNT ac20 5745MHz Ant2



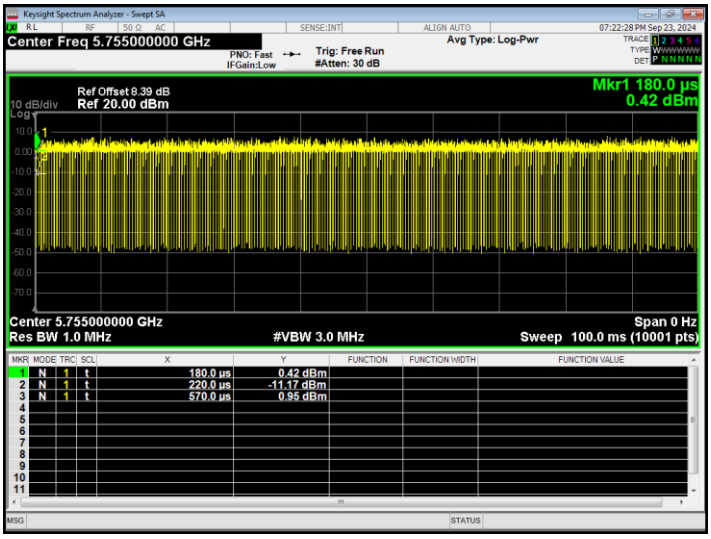
Duty Cycle NVNT ac20 5785MHz Ant2



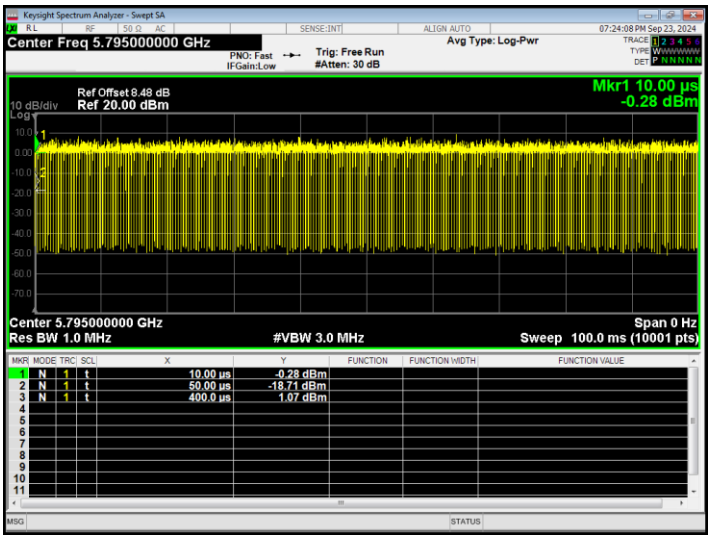
Duty Cycle NVNT ac20 5825MHz Ant2



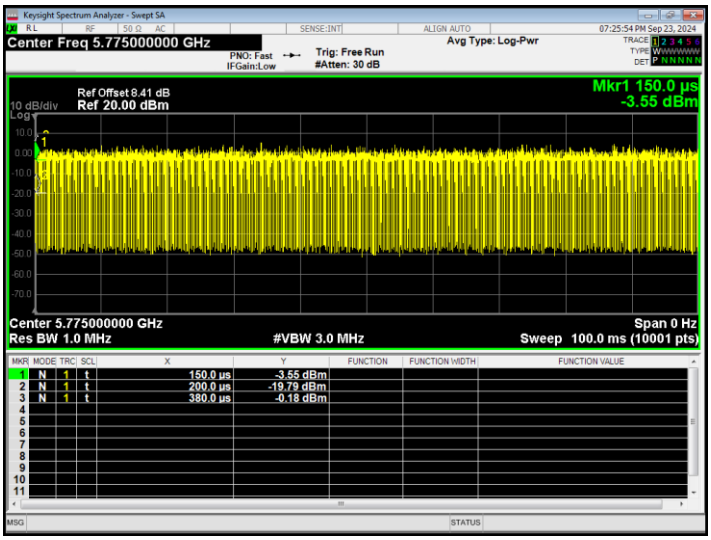
Duty Cycle NVNT ac40 5755MHz Ant2



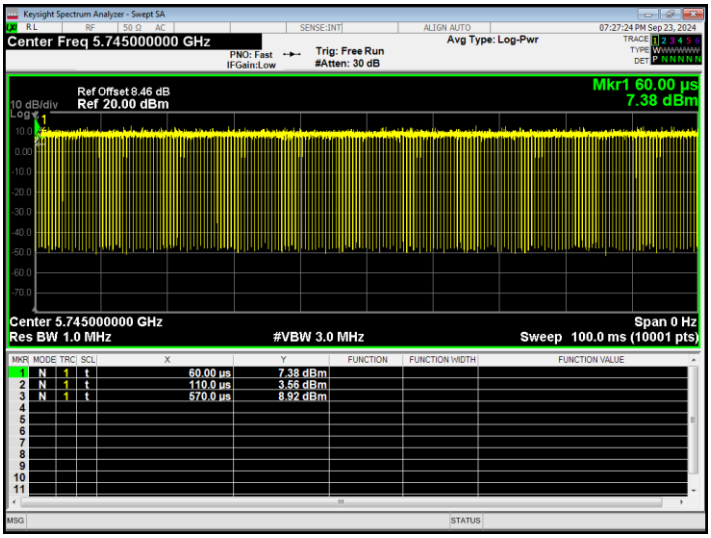
Duty Cycle NVNT ac40 5795MHz Ant2



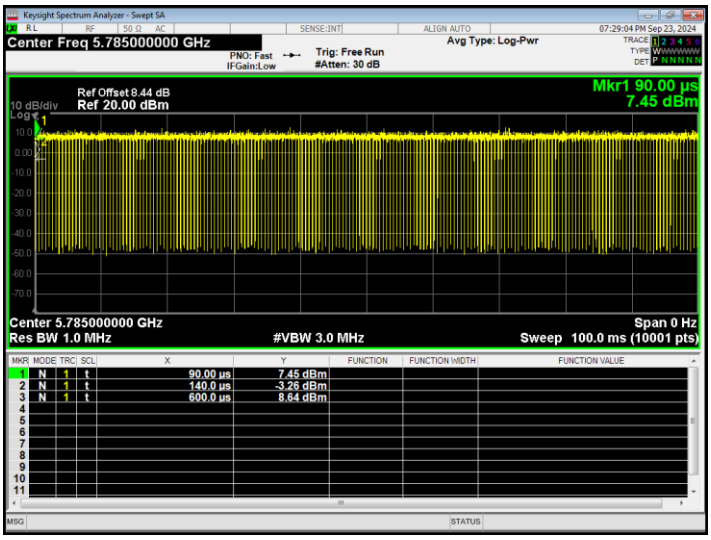
Duty Cycle NVNT ac80 5775MHz Ant2



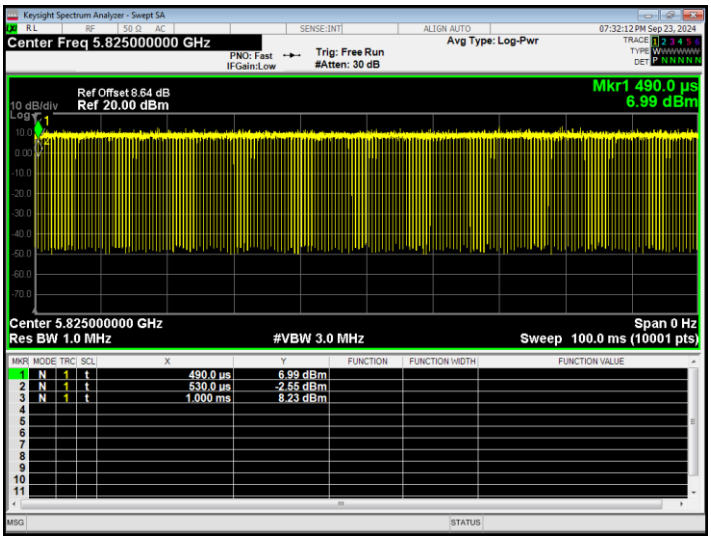
Duty Cycle NVNT ax20 5745MHz Ant2



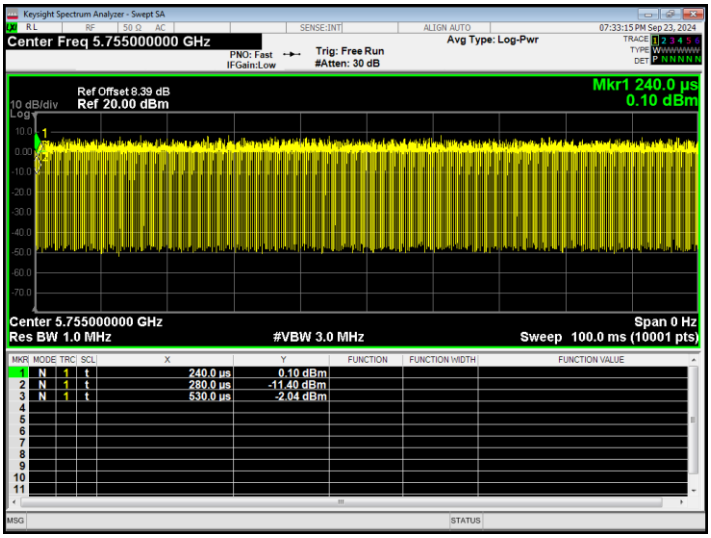
Duty Cycle NVNT ax20 5785MHz Ant2



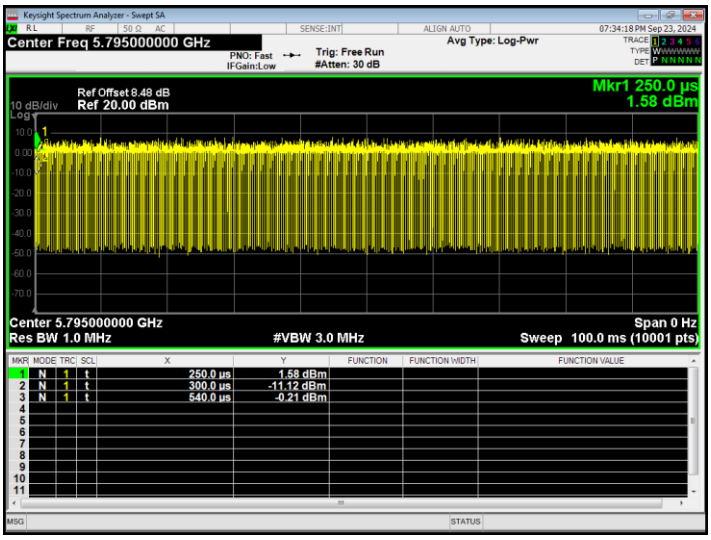
Duty Cycle NVNT ax20 5825MHz Ant2



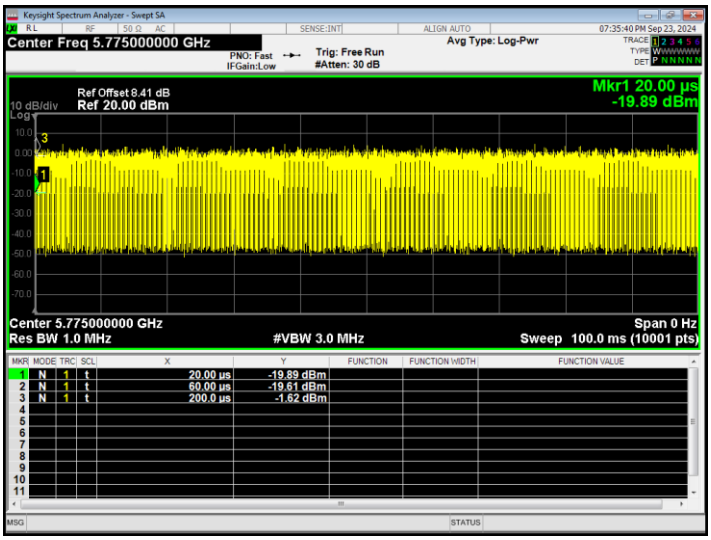
Duty Cycle NVNT ax40 5755MHz Ant2



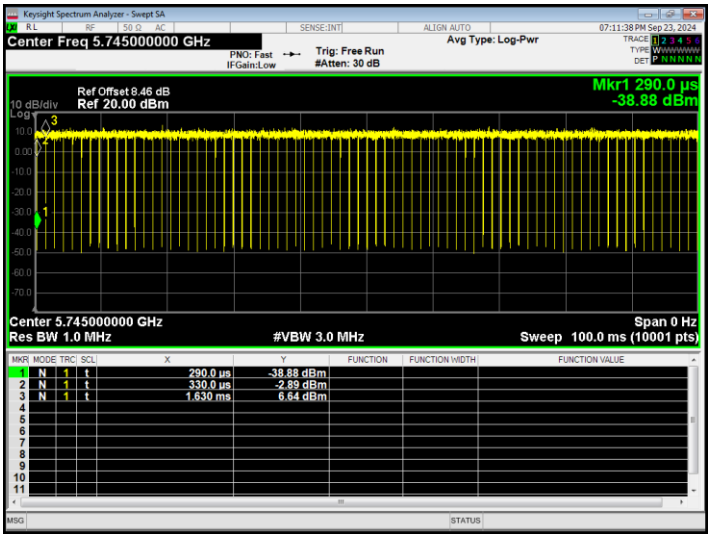
Duty Cycle NVNT ax40 5795MHz Ant2



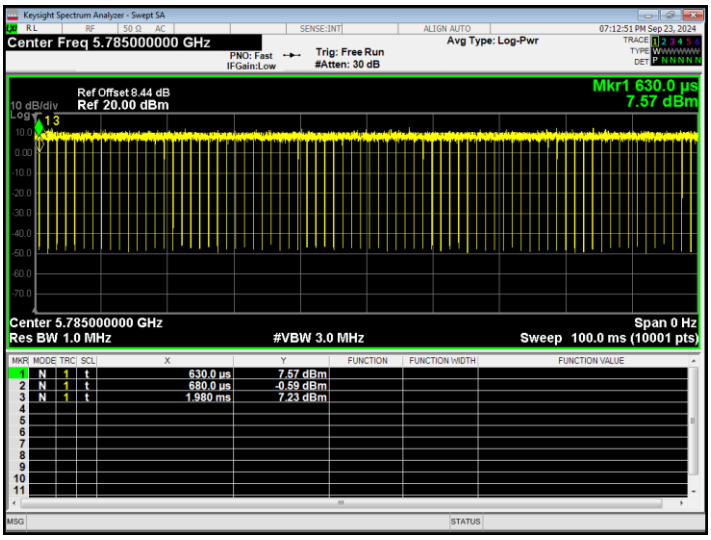
Duty Cycle NVNT ax80 5775MHz Ant2



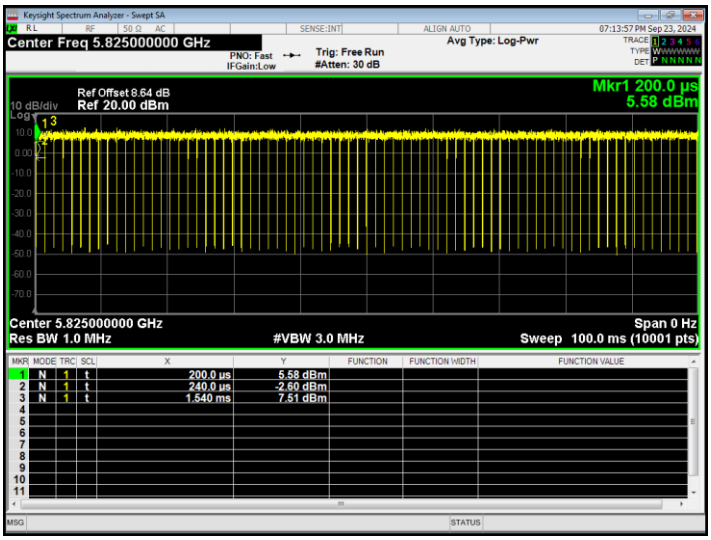
Duty Cycle NVNT n20 5745MHz Ant2



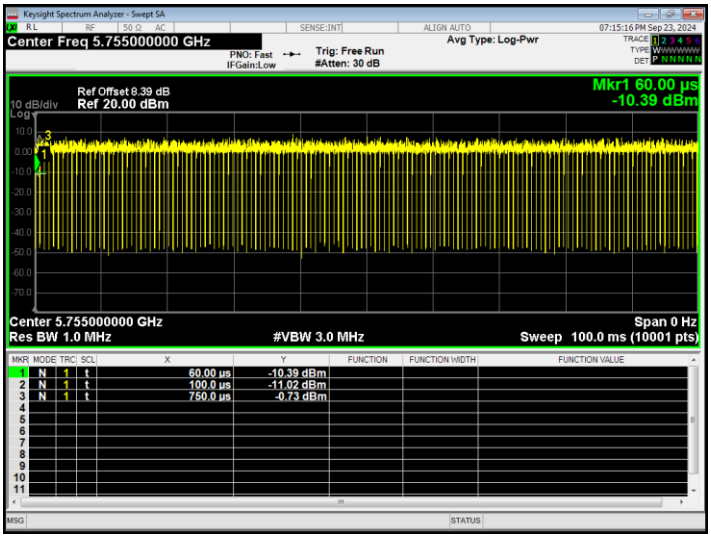
Duty Cycle NVNT n20 5785MHz Ant2



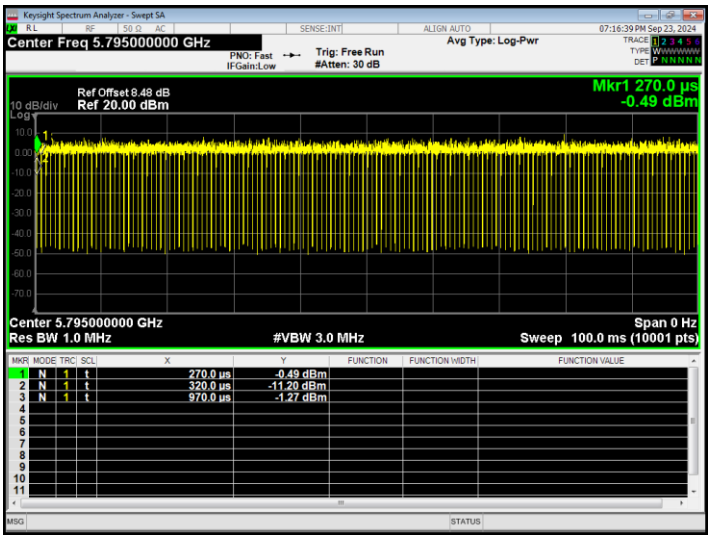
Duty Cycle NVNT n20 5825MHz Ant2



Duty Cycle NVNT n40 5755MHz Ant2



Duty Cycle NVNT n40 5795MHz Ant2


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
07:16:39 PM Sep 23, 2024
Ref Offset 8.48 dB
10 dB/div
Ref 20.00 dBm
Mkr1 270.0 µs
-0.49 dBm
Center 5.795000000 GHz
Span 0 Hz
Res BW 1.0 MHz
#VBW 3.0 MHz
Sweep 100.0 ms (10001 pts)
1 N 1 t 270.0 µs -0.49 dBm
2 N 1 t 320.0 µs -11.20 dBm
3 N 1 t 970.0 µs -1.27 dBm

Maximum Conducted Output Power

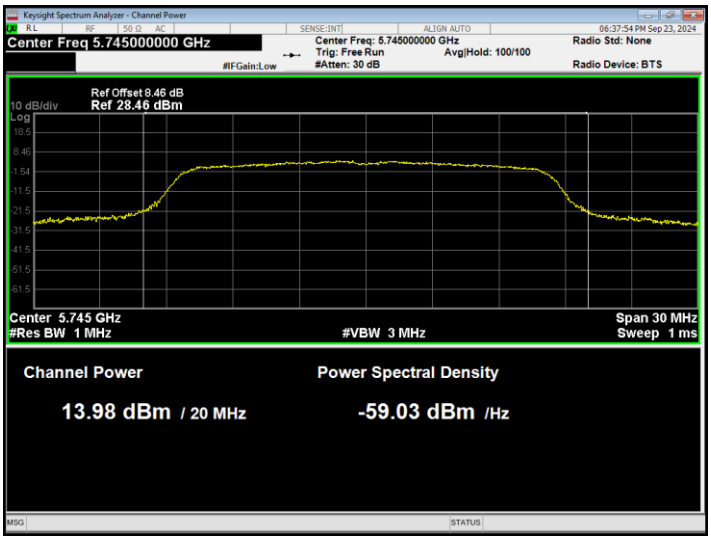
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	13.981	0.87	14.85	30	Pass
NVNT	a	5785	Ant1	13.631	0.87	14.50	30	Pass
NVNT	a	5825	Ant1	14.075	0.87	14.95	30	Pass
NVNT	ac20	5745	Ant1	14.62	0.31	14.93	30	Pass
NVNT	ac20	5785	Ant1	14.177	0.31	14.49	30	Pass
NVNT	ac20	5825	Ant1	14.643	0.25	14.89	30	Pass
NVNT	ac40	5755	Ant1	14.235	0.47	14.71	30	Pass
NVNT	ac40	5795	Ant1	14.159	0.47	14.63	30	Pass
NVNT	ac80	5775	Ant1	13.806	1.06	14.87	30	Pass
NVNT	ax20	5745	Ant1	14.555	0.35	14.91	30	Pass
NVNT	ax20	5785	Ant1	14.009	0.36	14.37	30	Pass
NVNT	ax20	5825	Ant1	14.351	0.35	14.70	30	Pass
NVNT	ax40	5755	Ant1	13.883	0.82	14.70	30	Pass
NVNT	ax40	5795	Ant1	13.958	0.67	14.63	30	Pass
NVNT	ax80	5775	Ant1	13.379	1.41	14.79	30	Pass
NVNT	n20	5745	Ant1	14.853	0.13	14.98	30	Pass
NVNT	n20	5785	Ant1	14.328	0.16	14.49	30	Pass
NVNT	n20	5825	Ant1	14.842	0.16	15.00	30	Pass
NVNT	n40	5755	Ant1	14.517	0.26	14.78	30	Pass
NVNT	n40	5795	Ant1	14.357	0.26	14.62	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant2	13.929	1.12	15.05	30	Pass
NVNT	a	5785	Ant2	13.54	0.87	14.41	30	Pass
NVNT	a	5825	Ant2	13.887	0.87	14.76	30	Pass
NVNT	ac20	5745	Ant2	14.571	0.31	14.88	30	Pass
NVNT	ac20	5785	Ant2	14.115	0.31	14.43	30	Pass
NVNT	ac20	5825	Ant2	14.621	0.25	14.87	30	Pass
NVNT	ac40	5755	Ant2	14.2	0.47	14.67	30	Pass
NVNT	ac40	5795	Ant2	14.121	0.47	14.59	30	Pass
NVNT	ac80	5775	Ant2	13.82	1.06	14.88	30	Pass
NVNT	ax20	5745	Ant2	14.584	0.45	15.03	30	Pass
NVNT	ax20	5785	Ant2	13.784	0.45	14.23	30	Pass
NVNT	ax20	5825	Ant2	14.477	0.35	14.83	30	Pass
NVNT	ax40	5755	Ant2	13.884	0.64	14.52	30	Pass
NVNT	ax40	5795	Ant2	13.921	0.82	14.74	30	Pass
NVNT	ax80	5775	Ant2	13.429	1.09	14.52	30	Pass
NVNT	n20	5745	Ant2	14.776	0.13	14.91	30	Pass
NVNT	n20	5785	Ant2	14.231	0.16	14.39	30	Pass
NVNT	n20	5825	Ant2	14.734	0.13	14.86	30	Pass
NVNT	n40	5755	Ant2	14.362	0.26	14.62	30	Pass
NVNT	n40	5795	Ant2	14.471	0.32	14.79	30	Pass

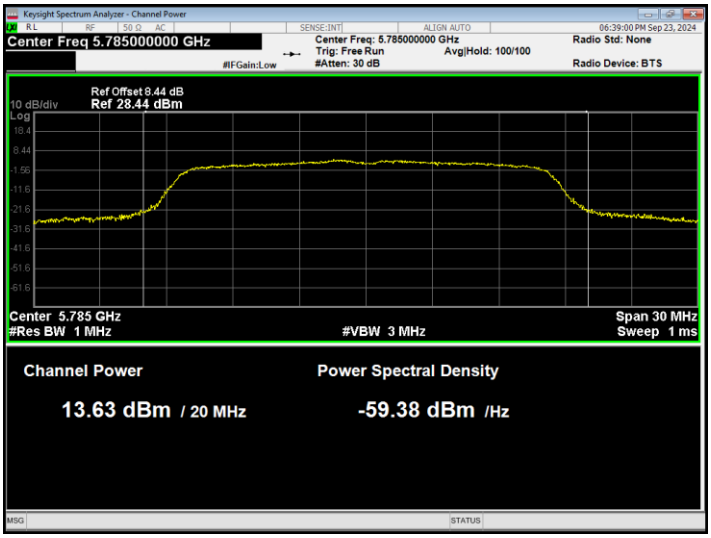
MIMO Mode

Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
ac20	5745	Ant1+2	17.92	30	Pass
ac20	5785	Ant1+2	17.47	30	Pass
ac20	5825	Ant1+2	17.89	30	Pass
ac40	5755	Ant1+2	17.70	30	Pass
ac40	5795	Ant1+2	17.62	30	Pass
ac80	5775	Ant1+2	17.89	30	Pass
ax20	5745	Ant1+2	17.98	30	Pass
ax20	5785	Ant1+2	17.31	30	Pass
ax20	5825	Ant1+2	17.78	30	Pass
ax40	5755	Ant1+2	17.62	30	Pass
ax40	5795	Ant1+2	17.70	30	Pass
ax80	5775	Ant1+2	17.67	30	Pass
n20	5745	Ant1+2	17.96	30	Pass
n20	5785	Ant1+2	17.45	30	Pass
n20	5825	Ant1+2	17.94	30	Pass
n40	5755	Ant1+2	17.71	30	Pass
n40	5795	Ant1+2	17.72	30	Pass

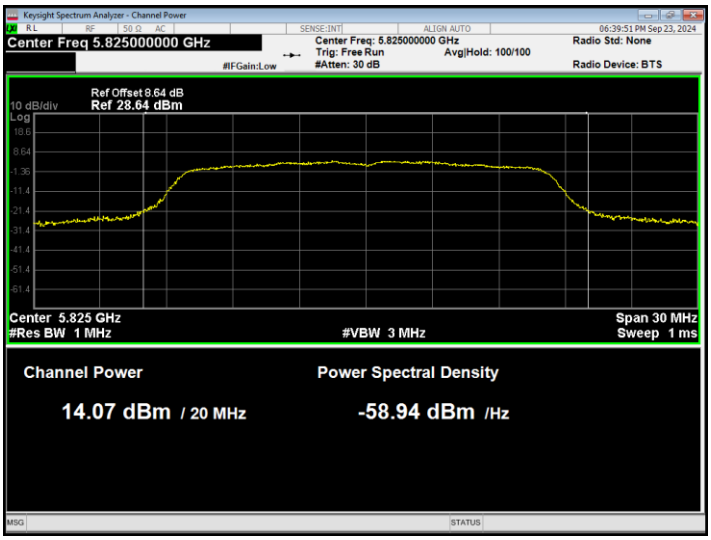
Power NVNT a 5745MHz Ant1



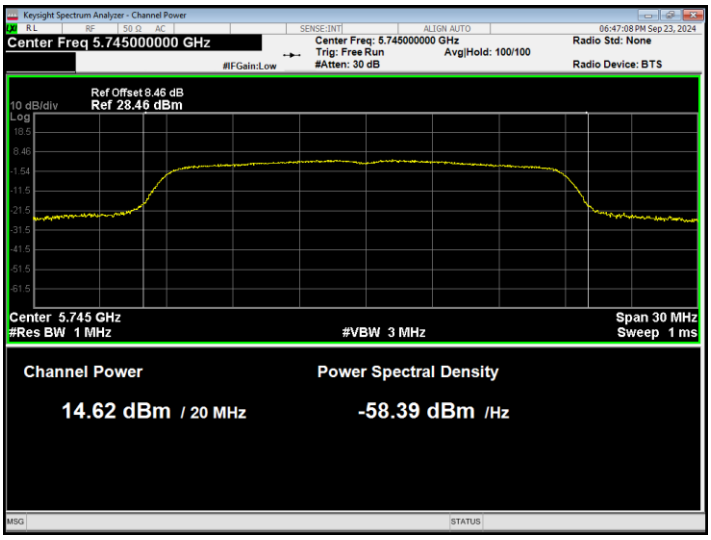
Power NVNT a 5785MHz Ant1



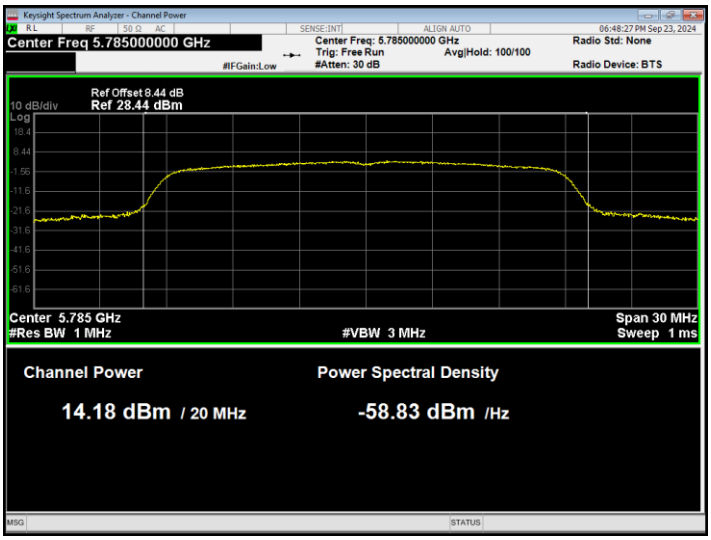
Power NVNT a 5825MHz Ant1



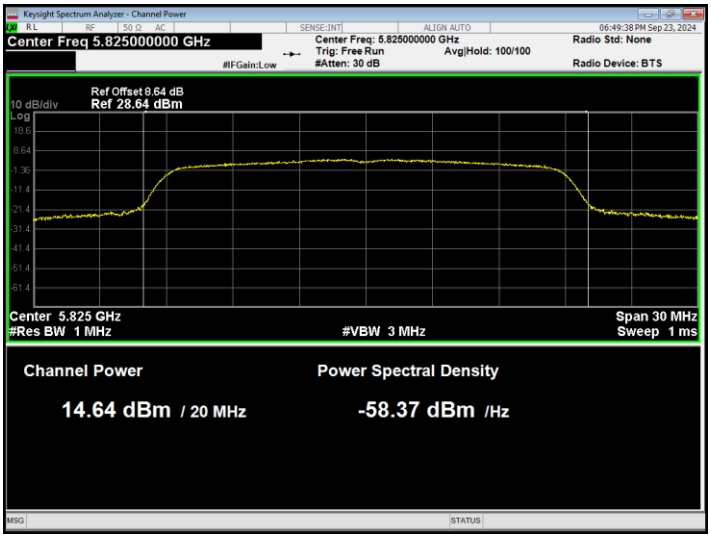
Power NVNT ac20 5745MHz Ant1



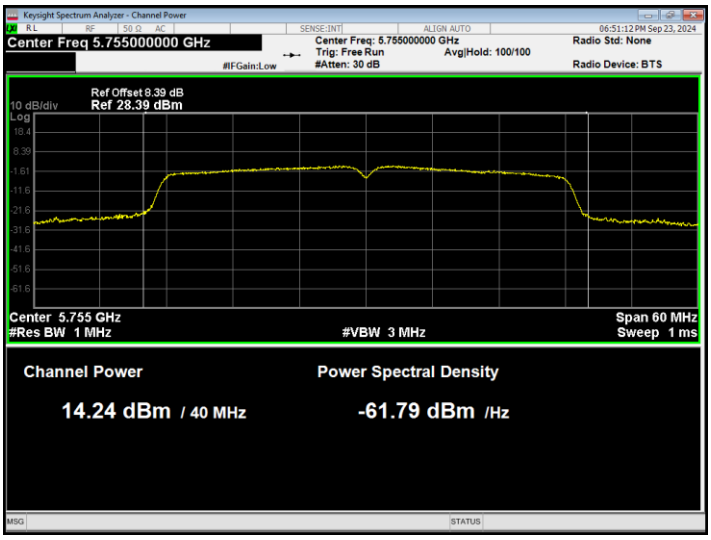
Power NVNT ac20 5785MHz Ant1



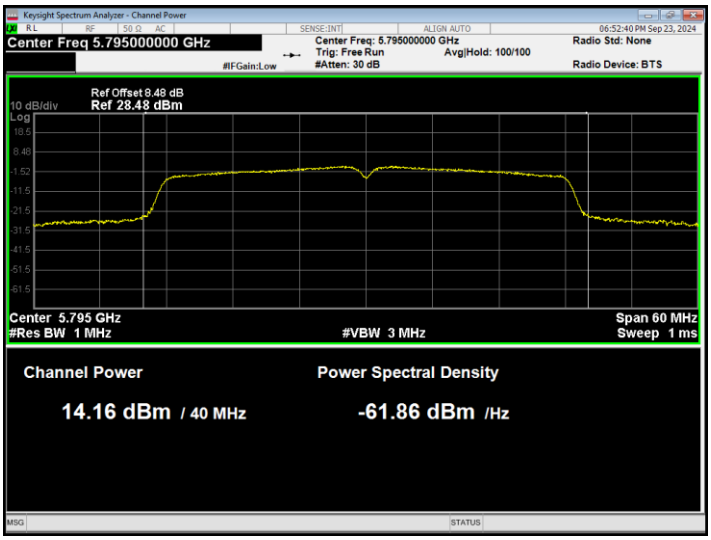
Power NVNT ac20 5825MHz Ant1



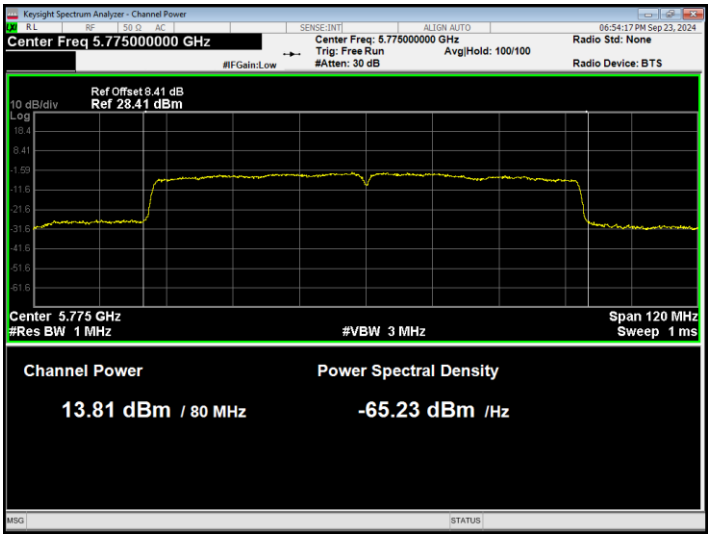
Power NVNT ac40 5755MHz Ant1



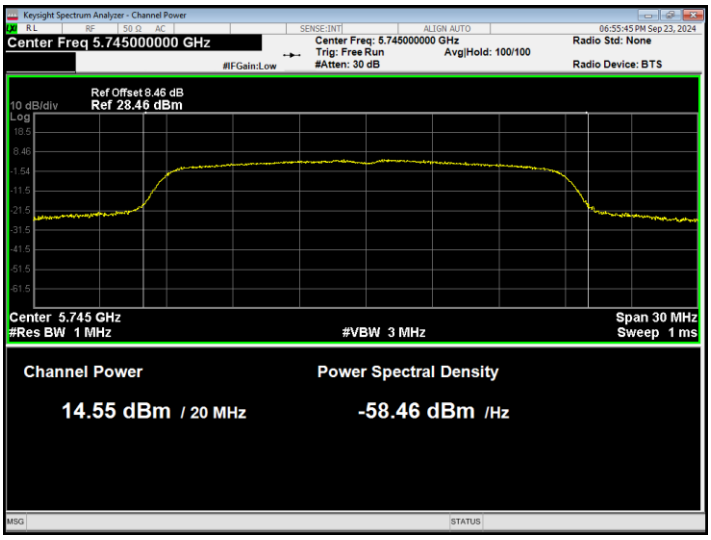
Power NVNT ac40 5795MHz Ant1



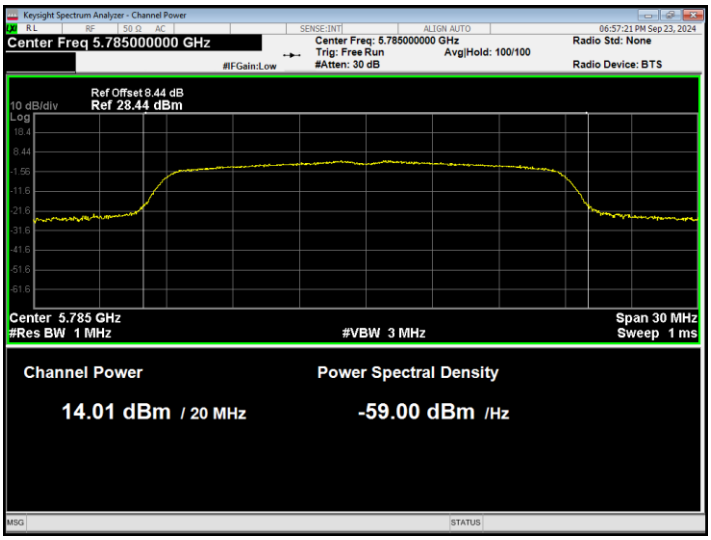
Power NVNT ac80 5775MHz Ant1



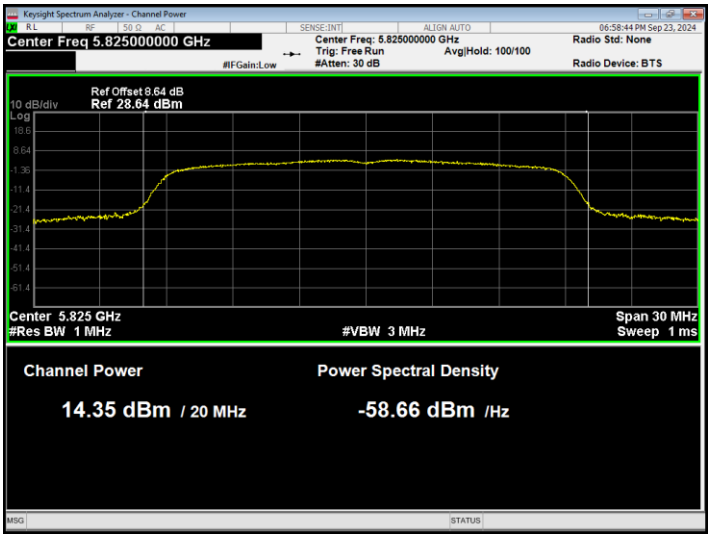
Power NVNT ax20 5745MHz Ant1



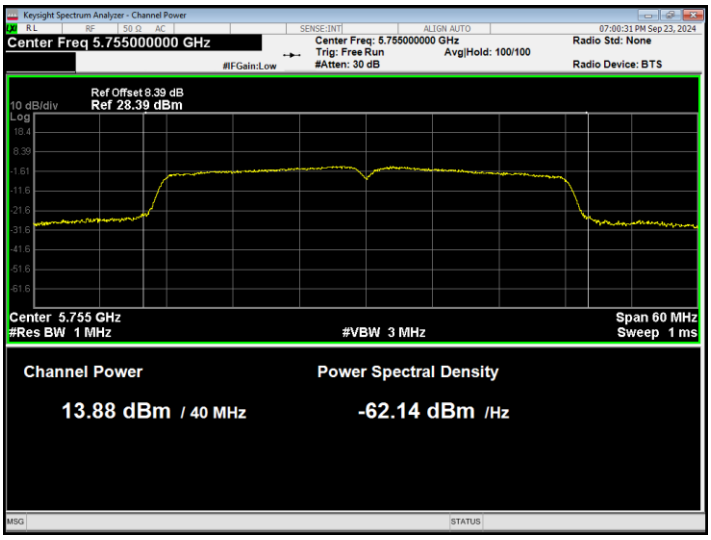
Power NVNT ax20 5785MHz Ant1



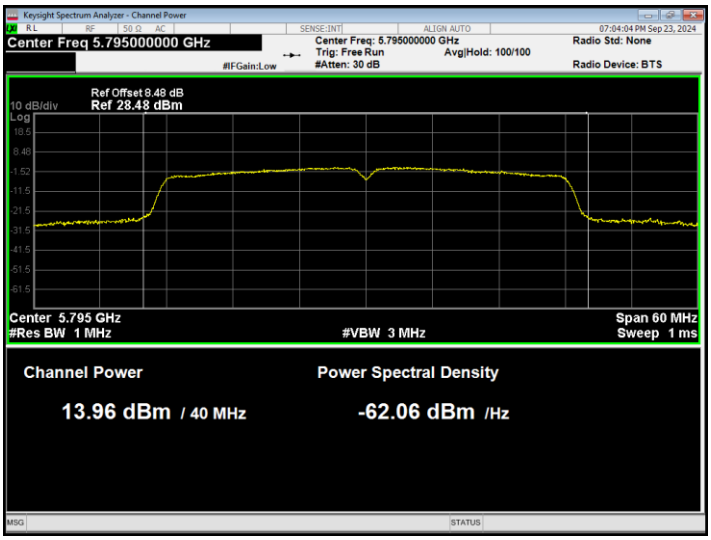
Power NVNT ax20 5825MHz Ant1



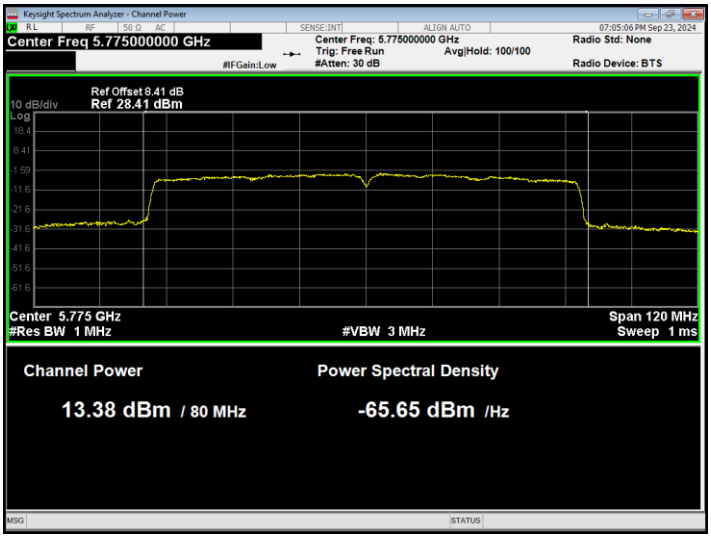
Power NVNT ax40 5755MHz Ant1



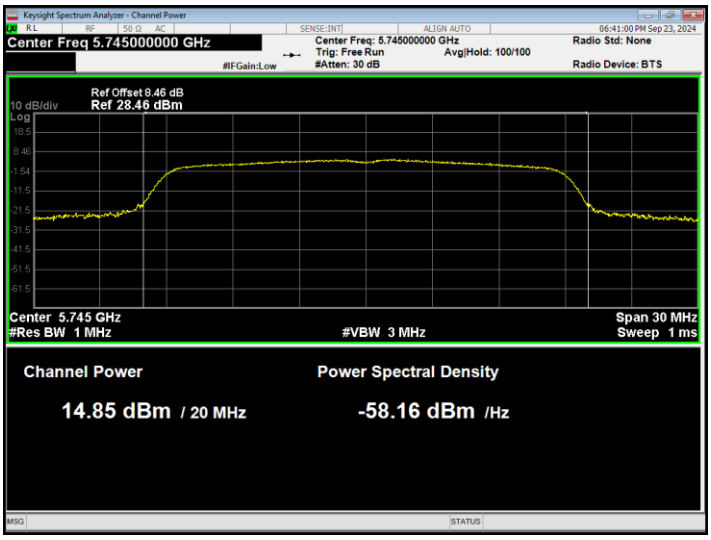
Power NVNT ax40 5795MHz Ant1



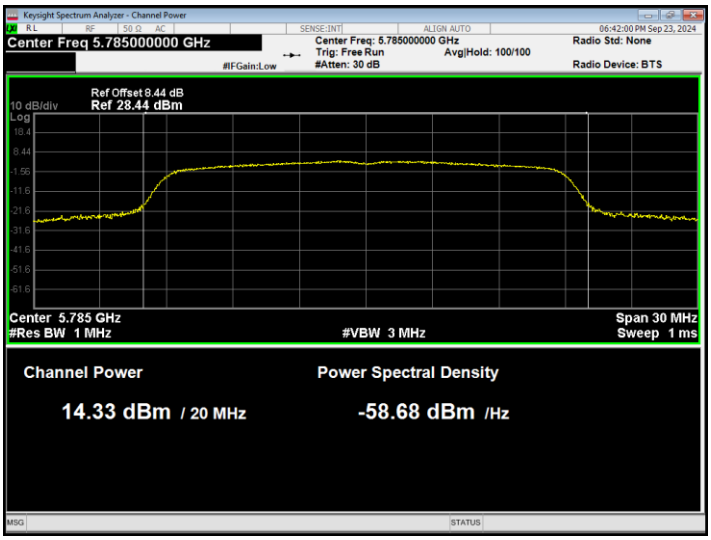
Power NVNT ax80 5775MHz Ant1



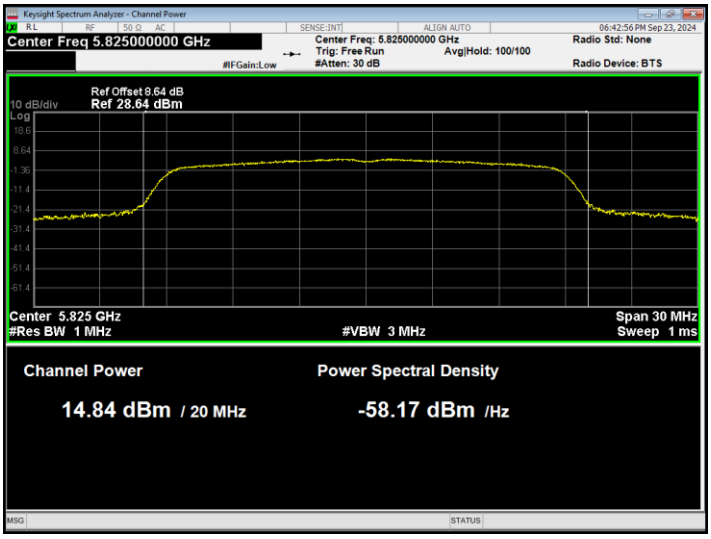
Power NVNT n20 5745MHz Ant1



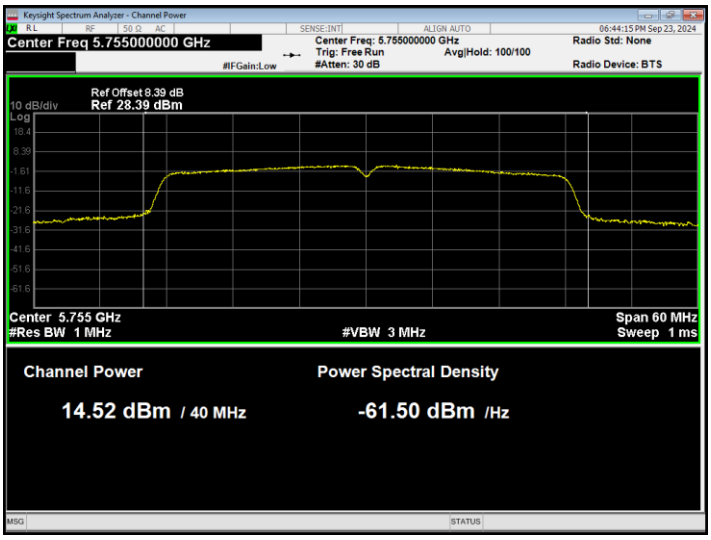
Power NVNT n20 5785MHz Ant1



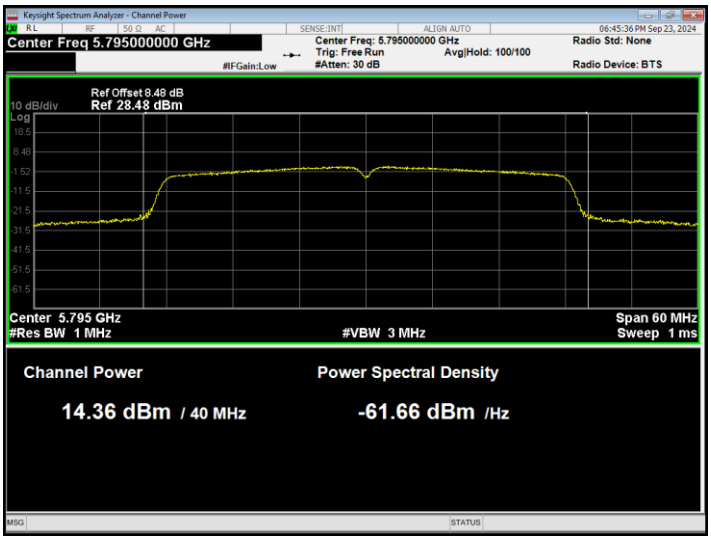
Power NVNT n20 5825MHz Ant1



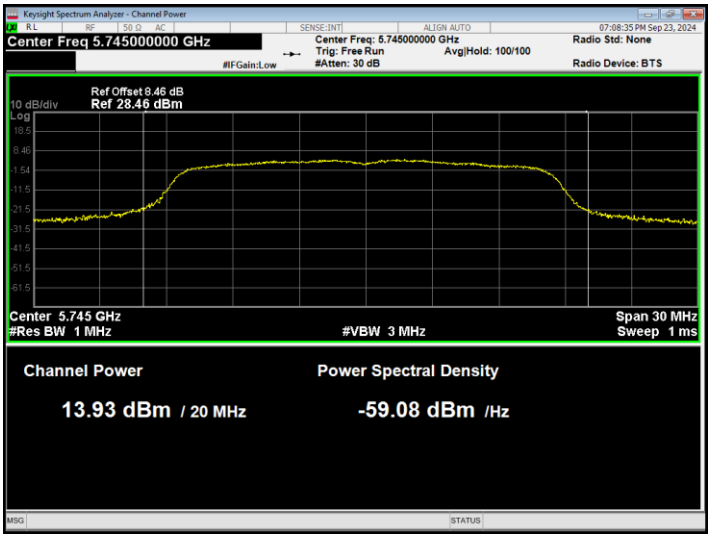
Power NVNT n40 5755MHz Ant1



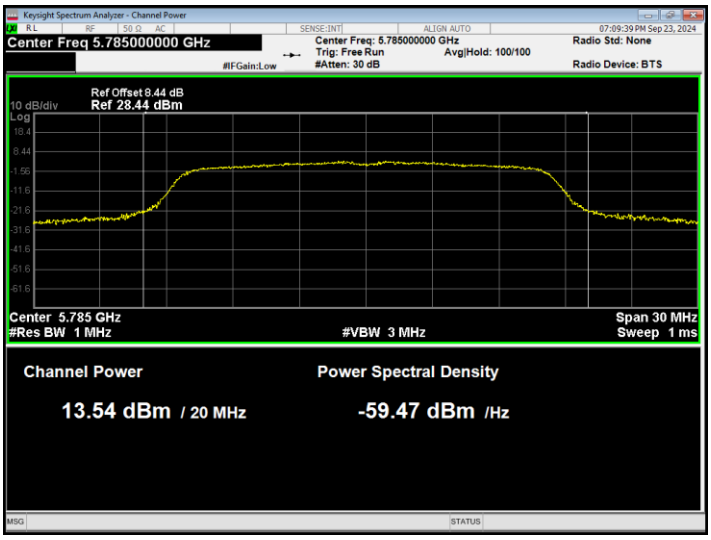
Power NVNT n40 5795MHz Ant1



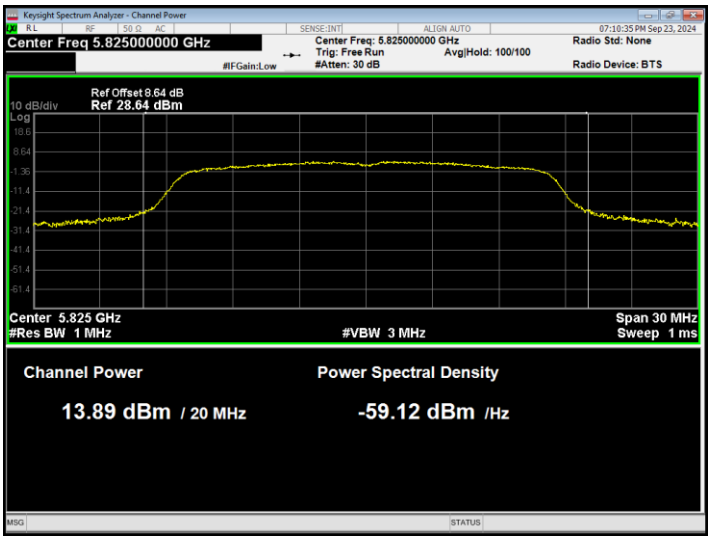
Power NVNT a 5745MHz Ant2



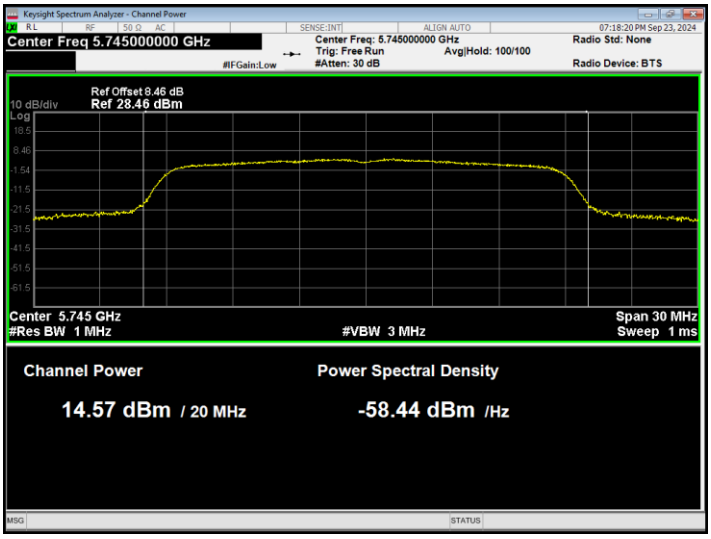
Power NVNT a 5785MHz Ant2



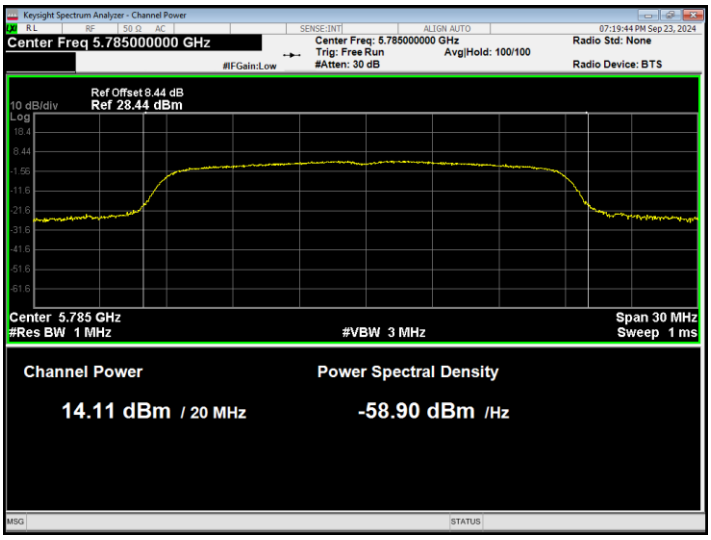
Power NVNT a 5825MHz Ant2



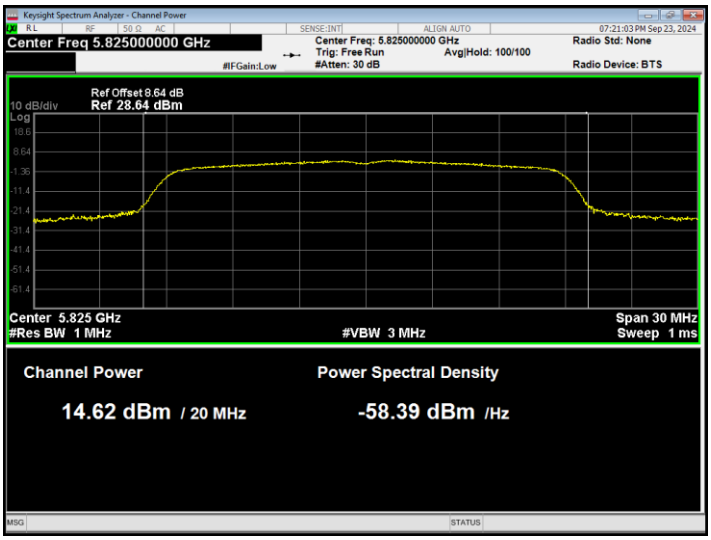
Power NVNT ac20 5745MHz Ant2



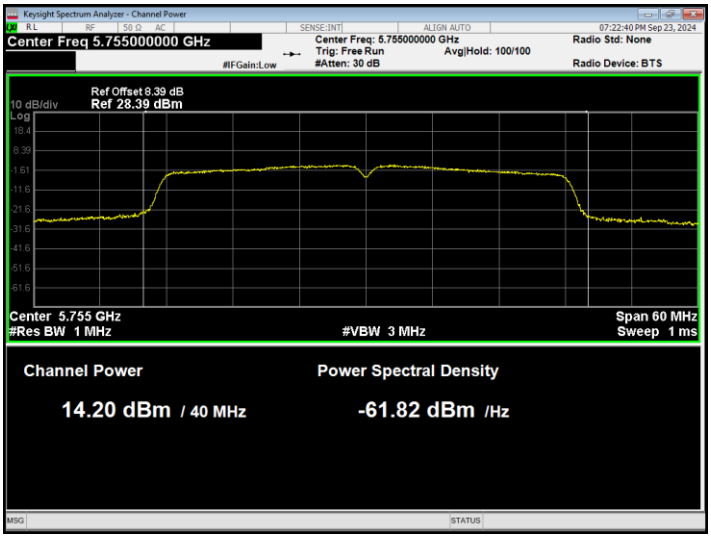
Power NVNT ac20 5785MHz Ant2



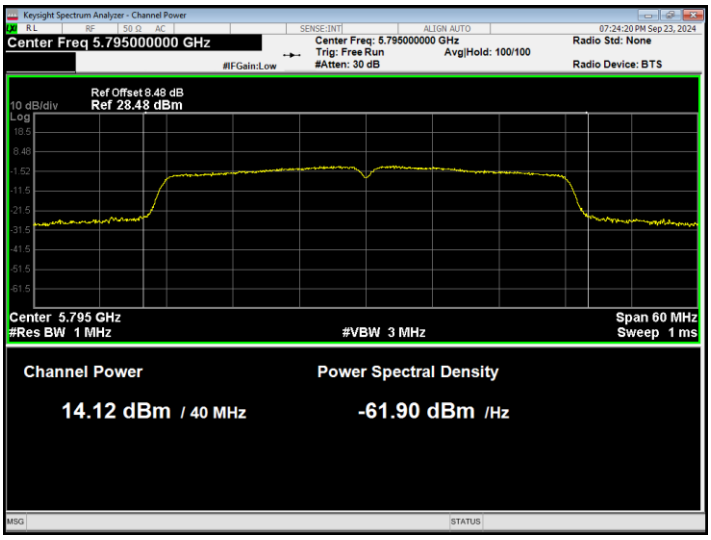
Power NVNT ac20 5825MHz Ant2



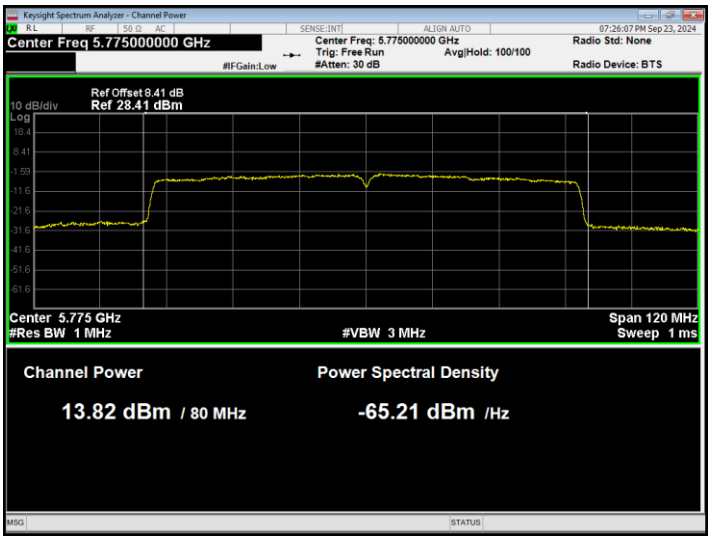
Power NVNT ac40 5755MHz Ant2



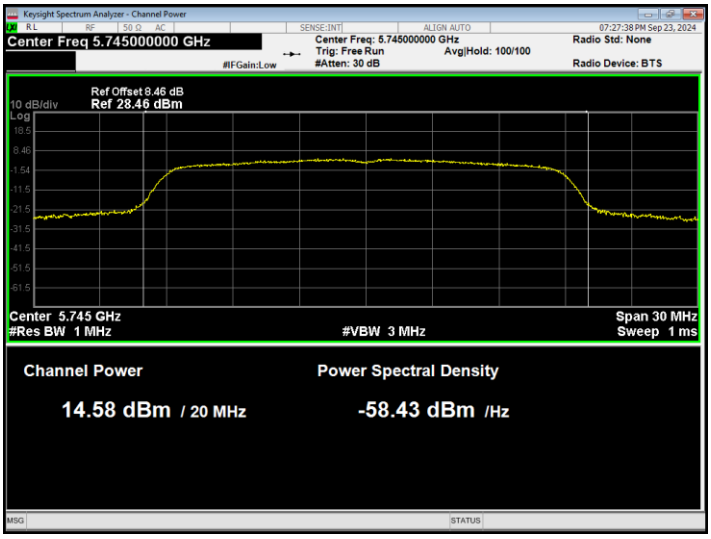
Power NVNT ac40 5795MHz Ant2



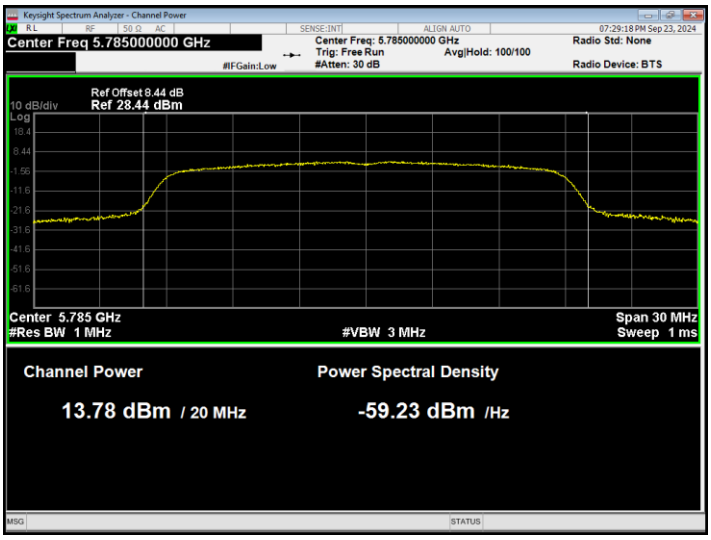
Power NVNT ac80 5775MHz Ant2



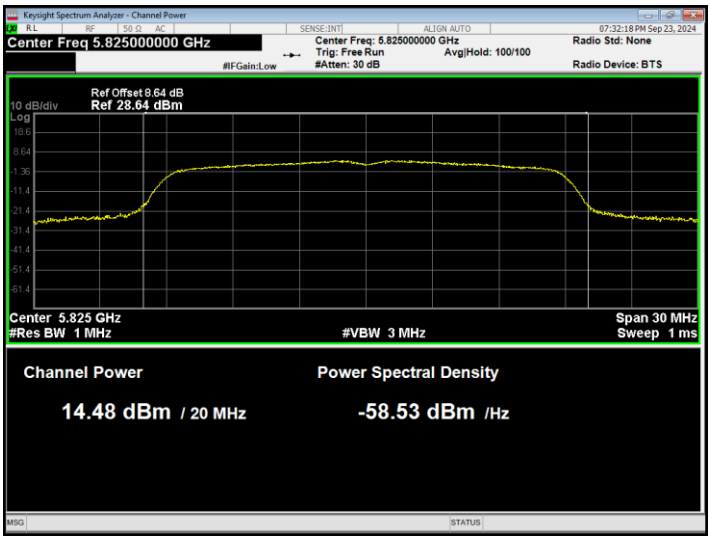
Power NVNT ax20 5745MHz Ant2



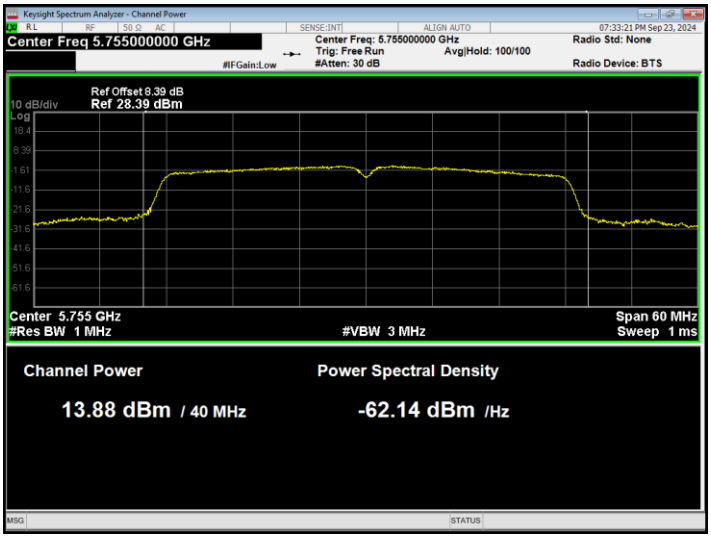
Power NVNT ax20 5785MHz Ant2



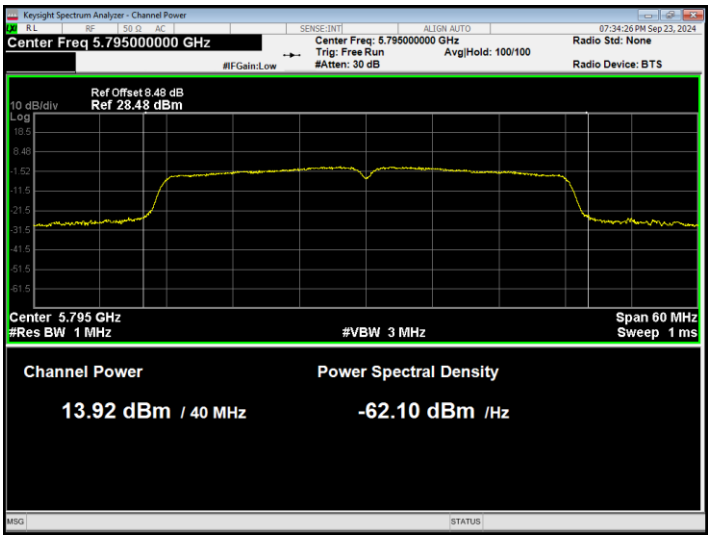
Power NVNT ax20 5825MHz Ant2



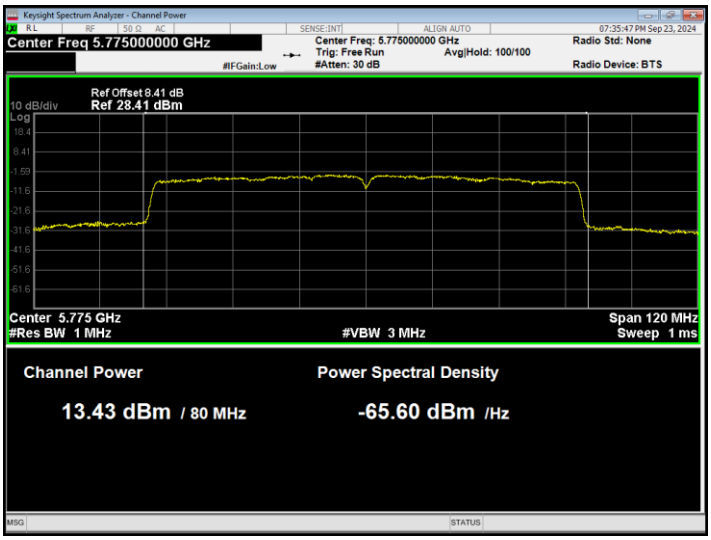
Power NVNT ax40 5755MHz Ant2



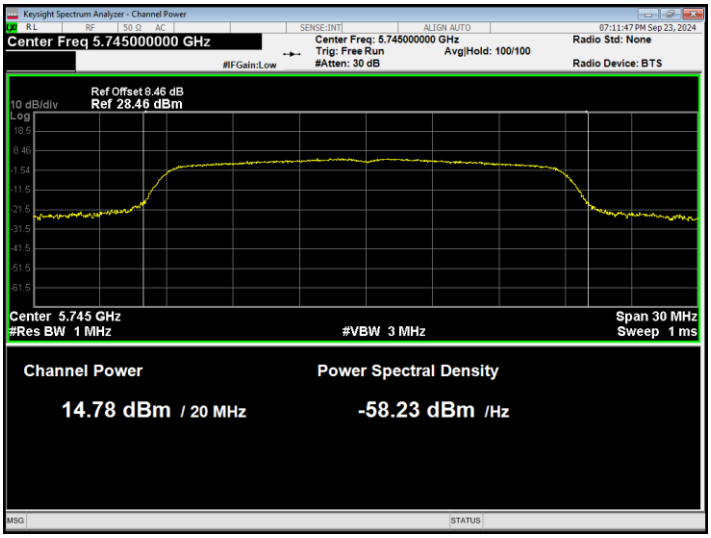
Power NVNT ax40 5795MHz Ant2



Power NVNT ax80 5775MHz Ant2



Power NVNT n20 5745MHz Ant2



Power NVNT n20 5785MHz Ant2