

ANNEX 2

FCC ID: 2BLM9-AC1200W

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-AC1200W

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 C 15.407
ANSI C63.10:2013

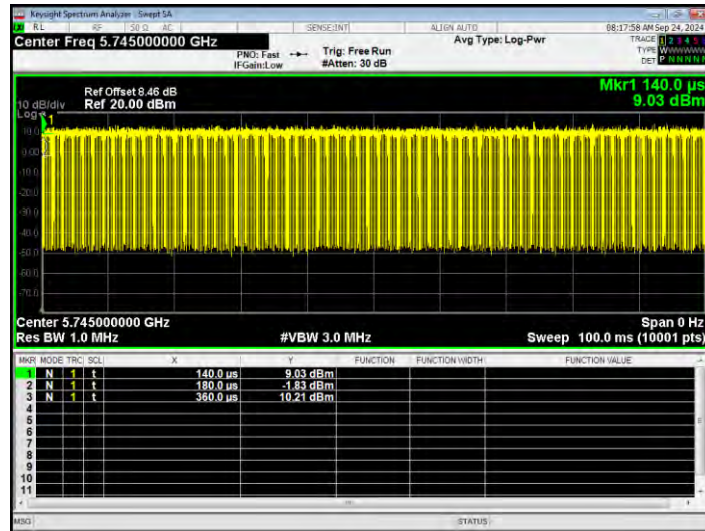
Test Result: Pass

Duty Cycle

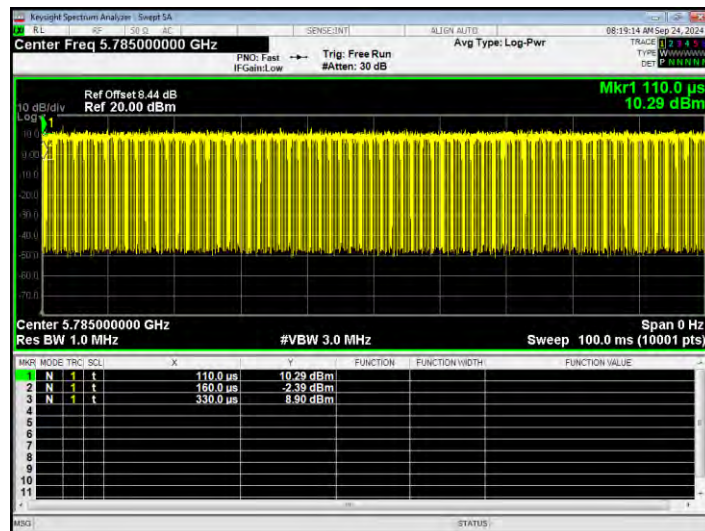
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	81.82	0.87
NVNT	a	5785	Ant1	77.27	1.12
NVNT	a	5825	Ant1	81.82	0.87
NVNT	ac20	5745	Ant1	93.15	0.31
NVNT	ac20	5785	Ant1	94.44	0.25
NVNT	ac20	5825	Ant1	94.44	0.25
NVNT	ac40	5755	Ant1	89.74	0.47
NVNT	ac40	5795	Ant1	89.74	0.47
NVNT	ac80	5775	Ant1	82.61	0.83
NVNT	ax20	5745	Ant1	92.16	0.35
NVNT	ax20	5785	Ant1	92.16	0.35
NVNT	ax20	5825	Ant1	92.16	0.35
NVNT	ax40	5755	Ant1	82.76	0.82
NVNT	ax40	5795	Ant1	86.21	0.64
NVNT	ax80	5775	Ant1	72.22	1.41
NVNT	n20	5745	Ant1	97.04	0.13
NVNT	n20	5785	Ant1	96.3	0.16
NVNT	n20	5825	Ant1	97.01	0.13
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	93.06	0.31
NVNT	ac20	5785	Ant2	93.06	0.31
NVNT	ac20	5825	Ant2	93.06	0.31
NVNT	ac40	5755	Ant2	89.74	0.47
NVNT	ac40	5795	Ant2	89.74	0.47
NVNT	ac80	5775	Ant2	81.82	0.87
NVNT	ax20	5745	Ant2	92.16	0.35
NVNT	ax20	5785	Ant2	92.16	0.35
NVNT	ax20	5825	Ant2	90.2	0.45
NVNT	ax40	5755	Ant2	86.21	0.64
NVNT	ax40	5795	Ant2	86.21	0.64
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	97.04	0.13
NVNT	n40	5755	Ant2	92.86	0.32
NVNT	n40	5795	Ant2	94.2	0.26

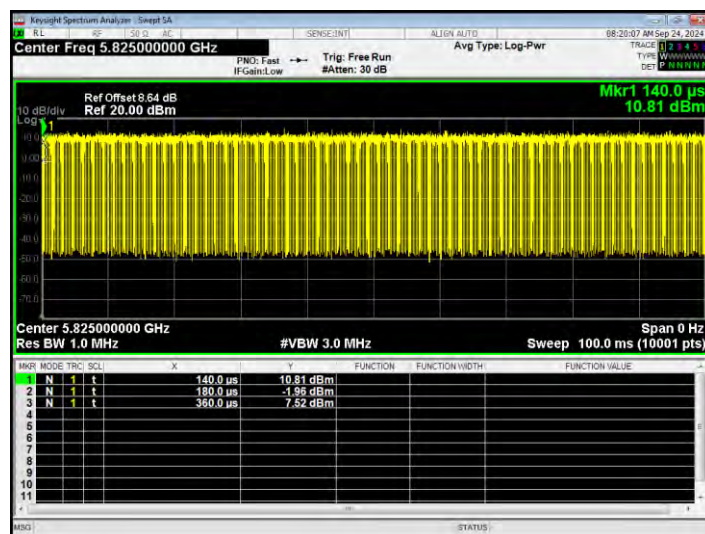
Duty Cycle NVNT a 5745MHz Ant1



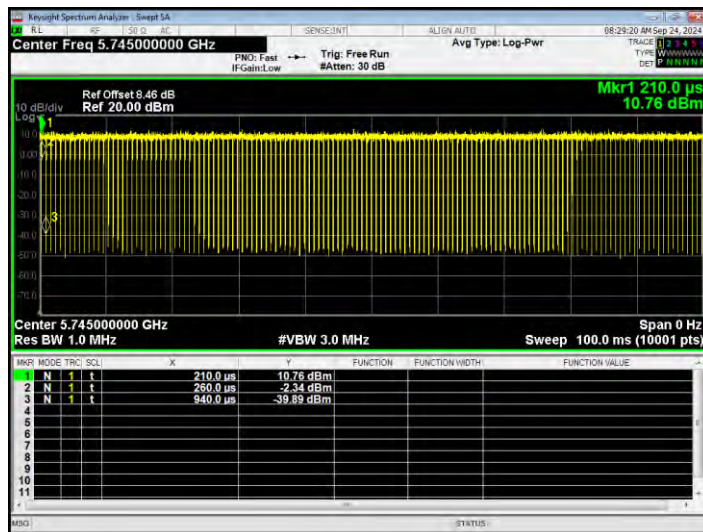
Duty Cycle NVNT a 5785MHz Ant1



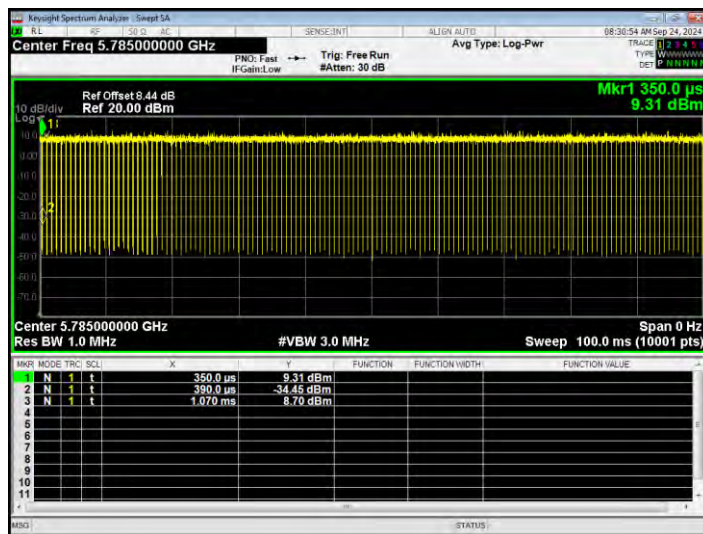
Duty Cycle NVNT a 5825MHz Ant1



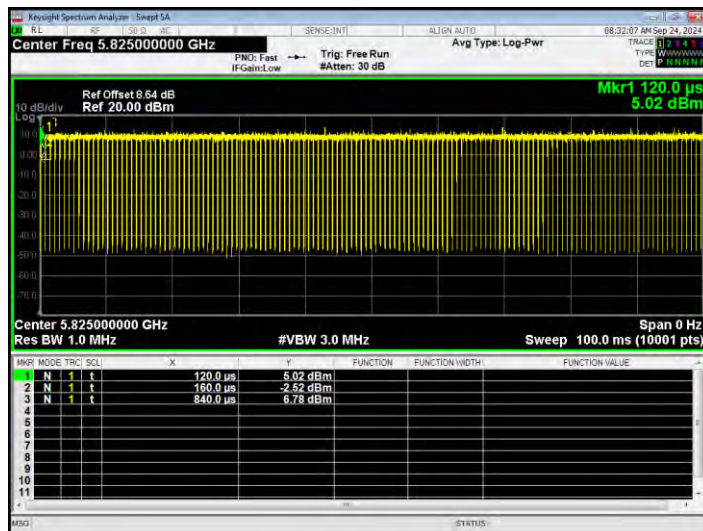
Duty Cycle NVNT ac20 5745MHz Ant1



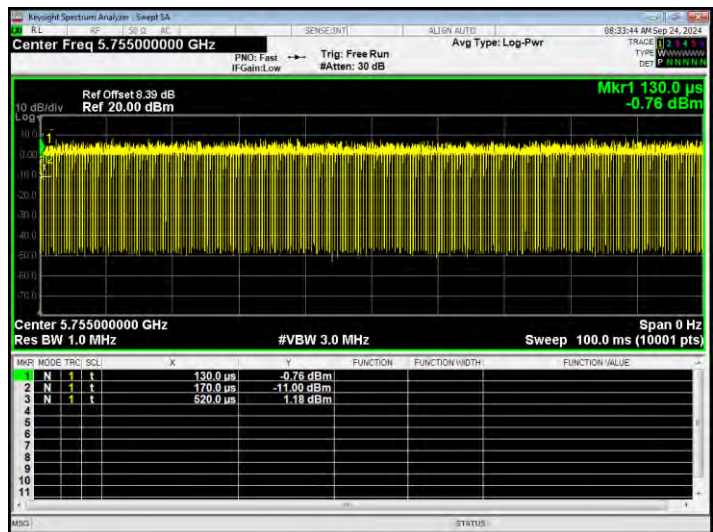
Duty Cycle NVNT ac20 5785MHz Ant1



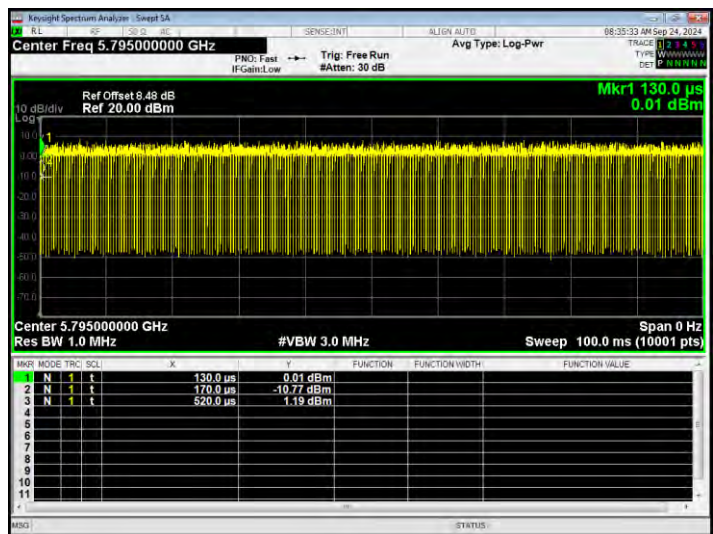
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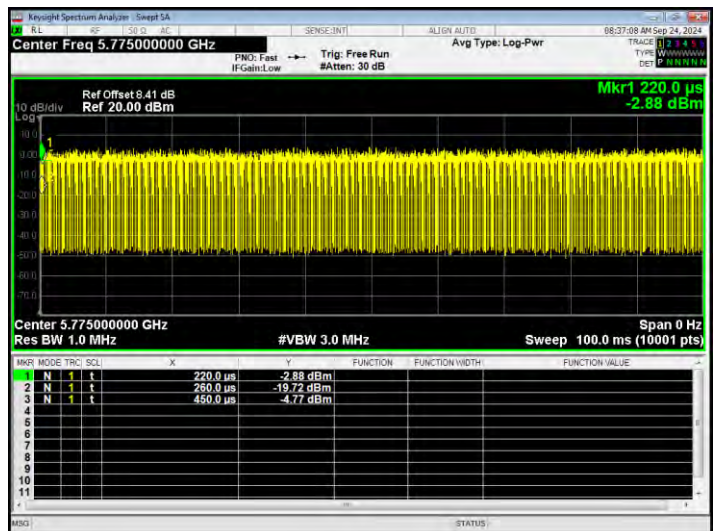
Duty Cycle NVNT ac40 5755MHz Ant1



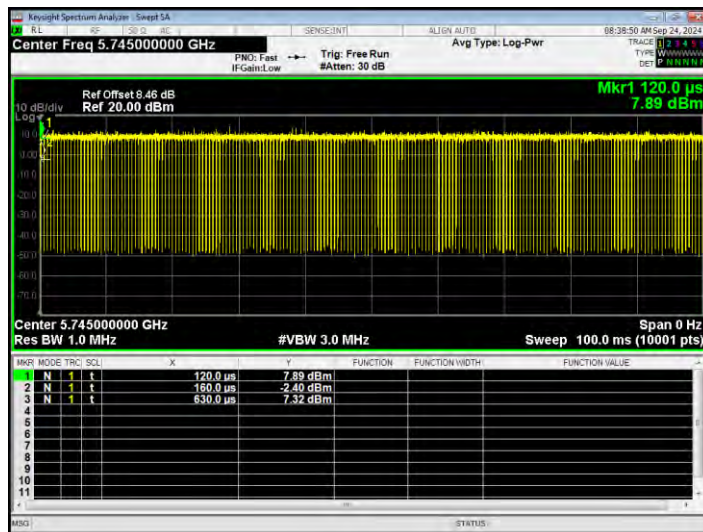
Duty Cycle NVNT ac40 5795MHz Ant1



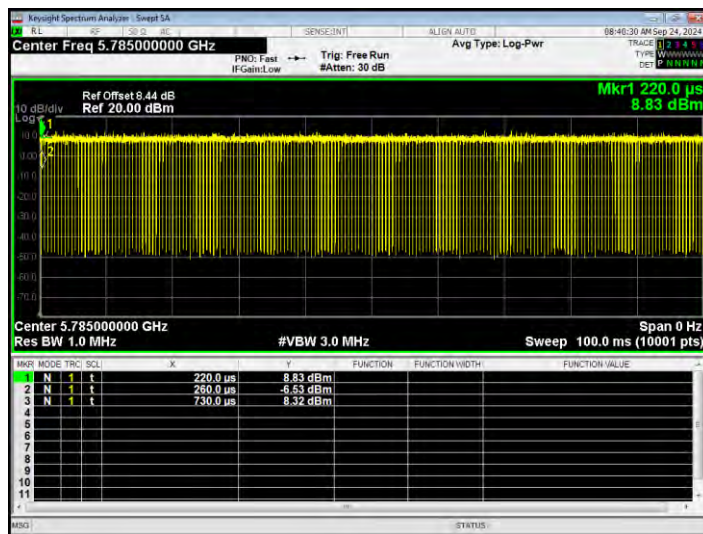
Duty Cycle NVNT ac80 5775MHz Ant1



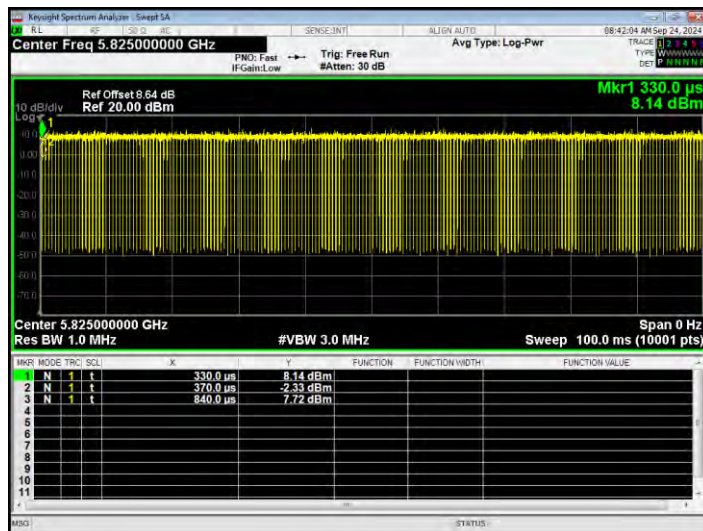
Duty Cycle NVNT ax20 5745MHz Ant1



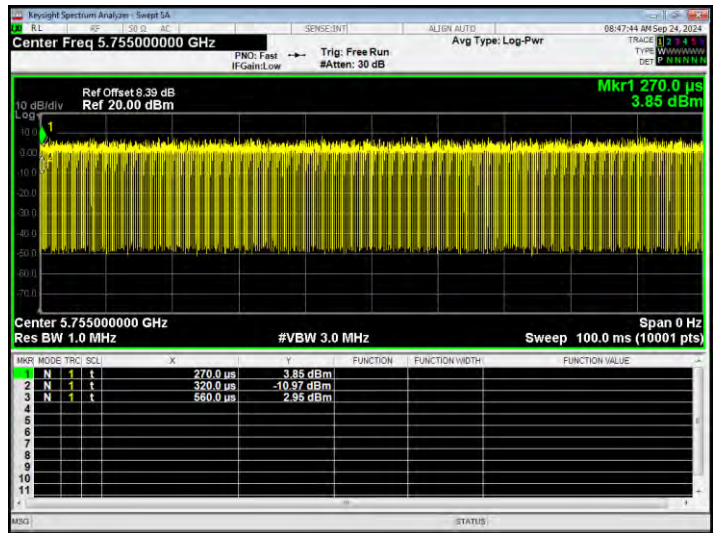
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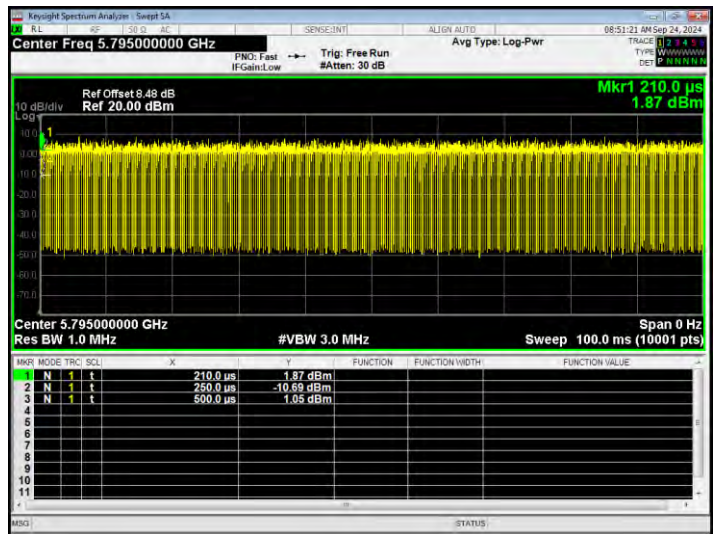
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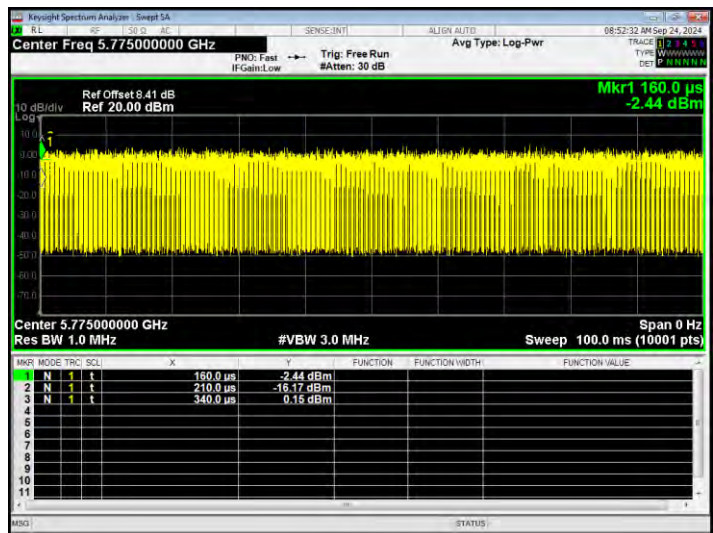
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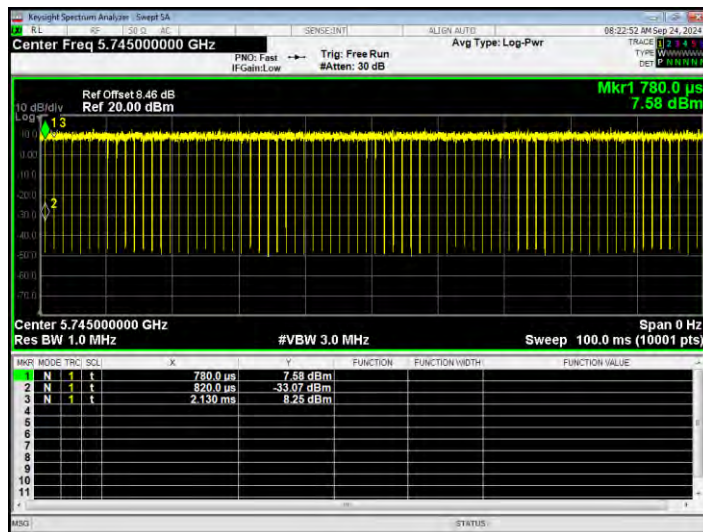
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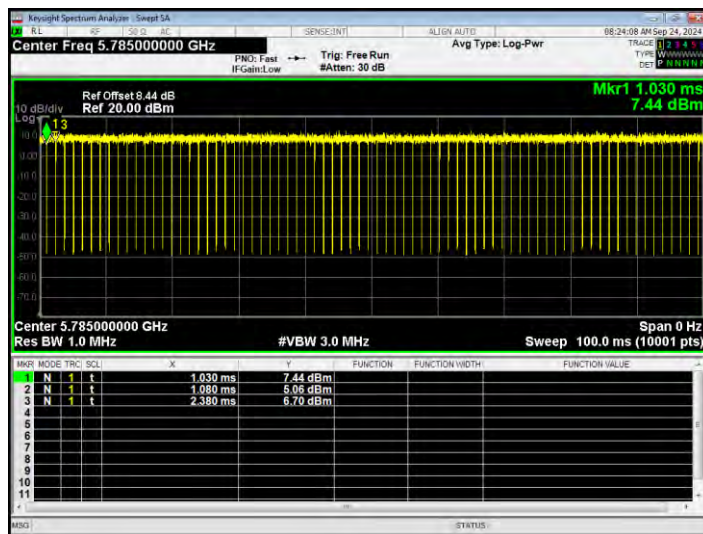
Duty Cycle NVNT ax80 5775MHz Ant1



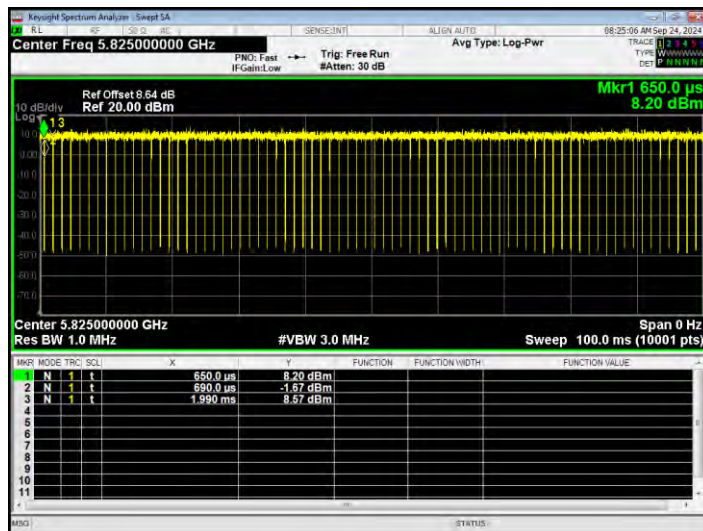
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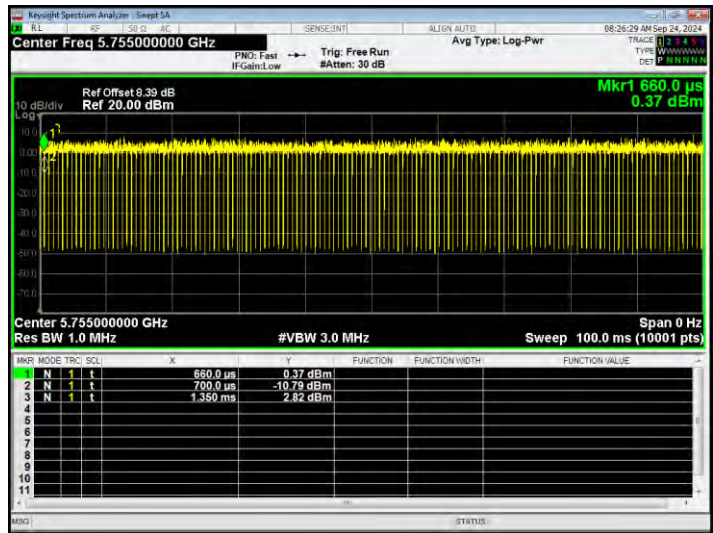
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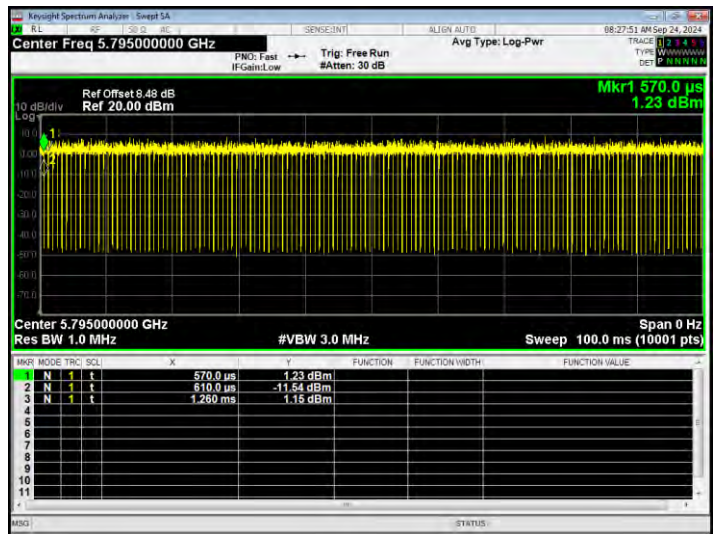
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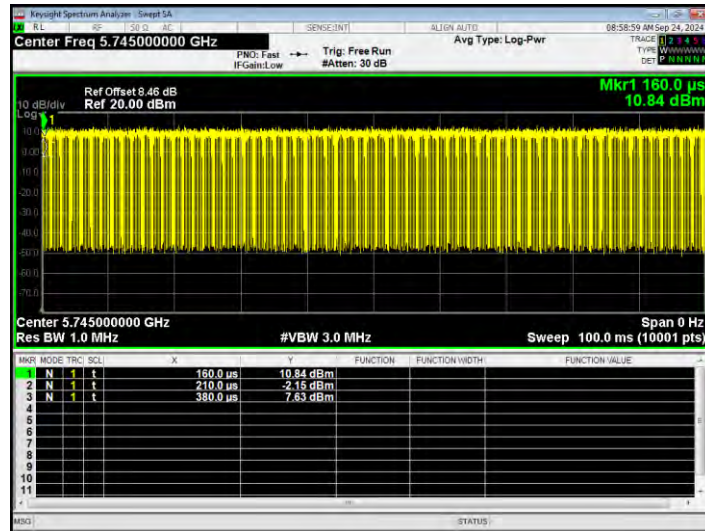
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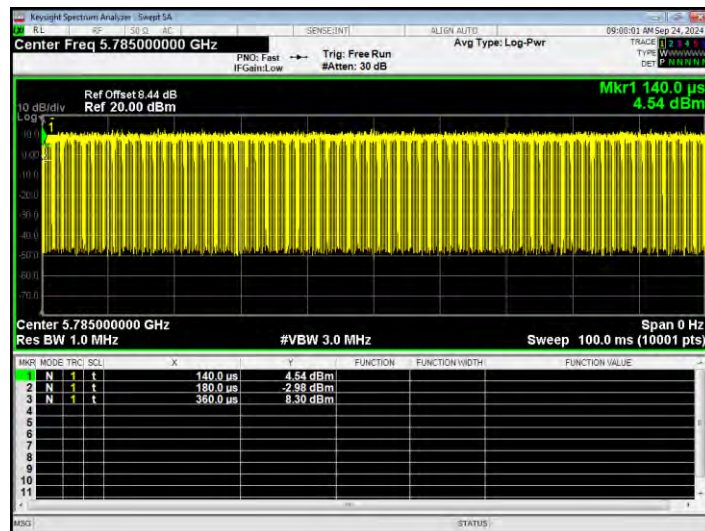
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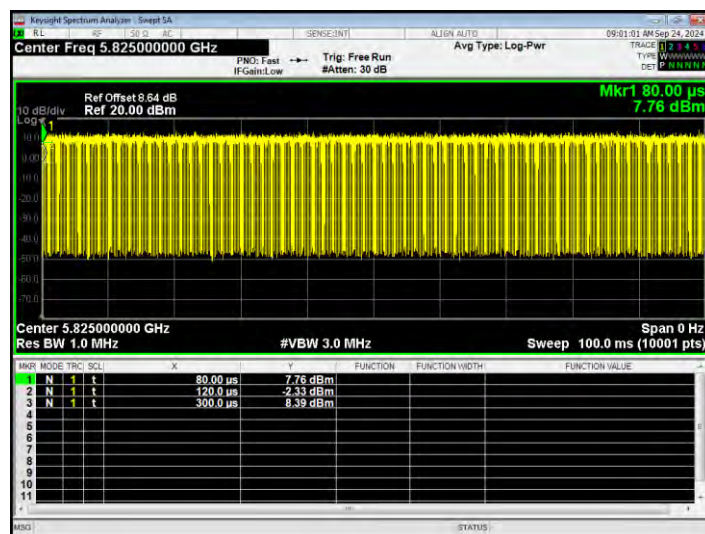
Duty Cycle NVNT a 5745MHz Ant2



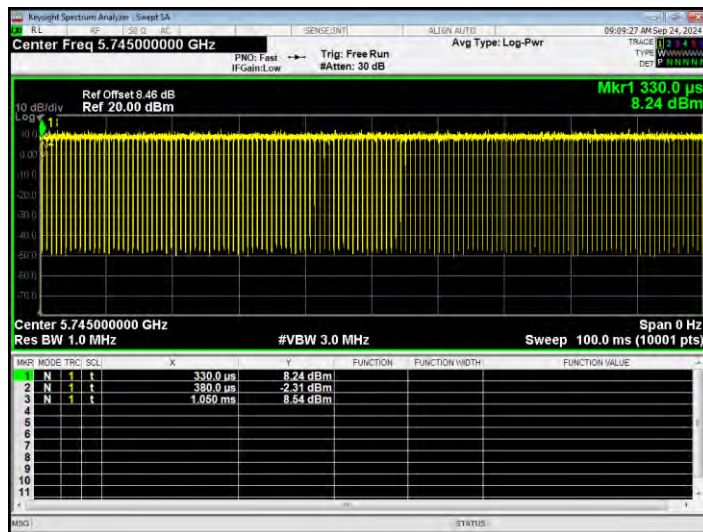
Duty Cycle NVNT a 5785MHz Ant2



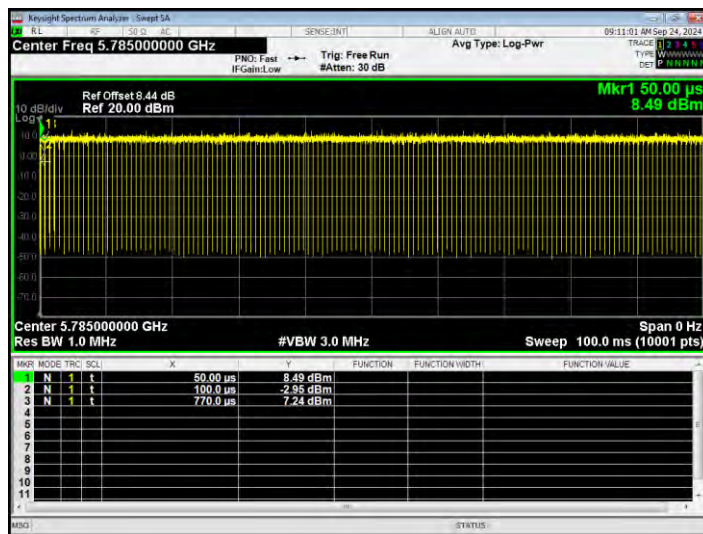
Duty Cycle NVNT a 5825MHz Ant2



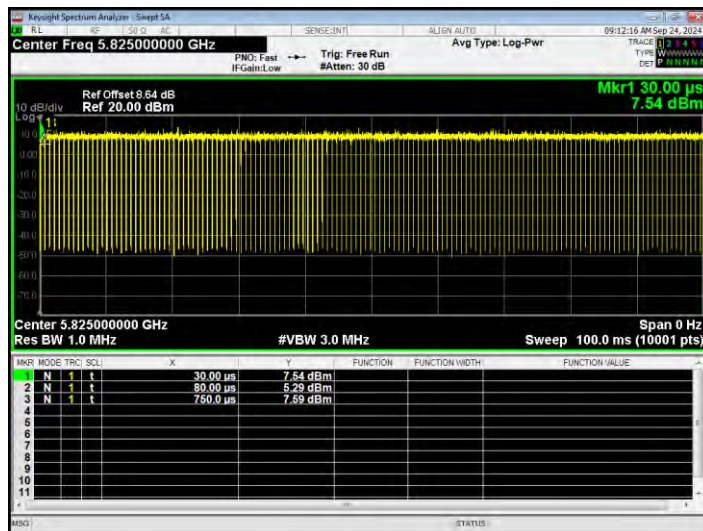
Duty Cycle NVNT ac20 5745MHz Ant2



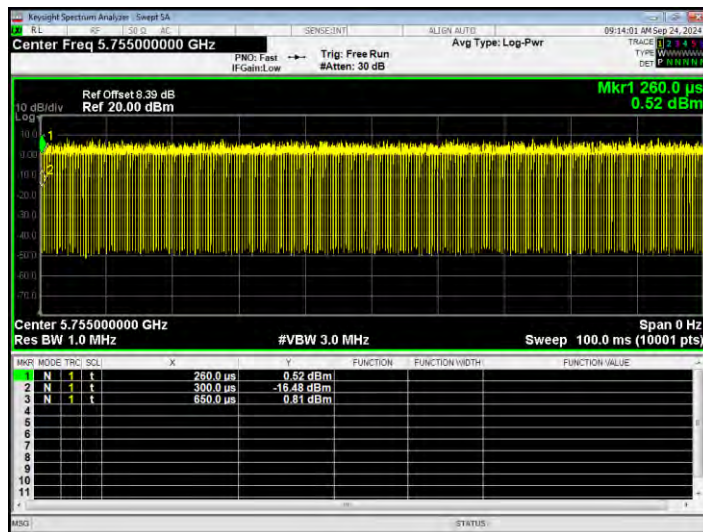
Duty Cycle NVNT ac20 5785MHz Ant2



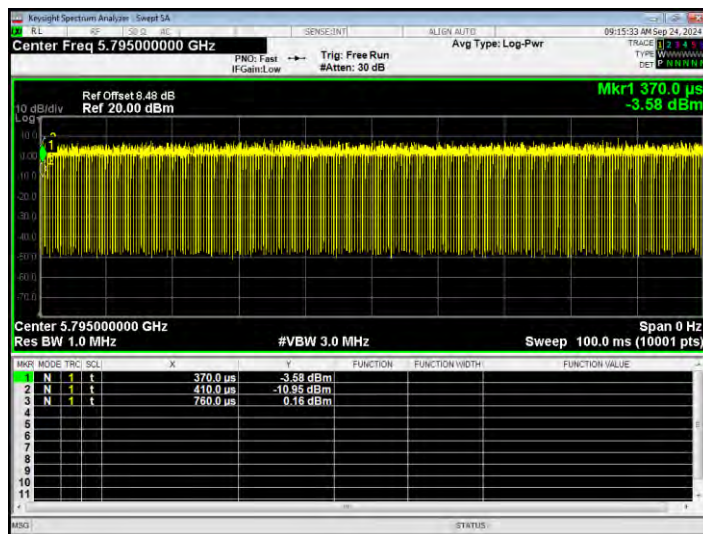
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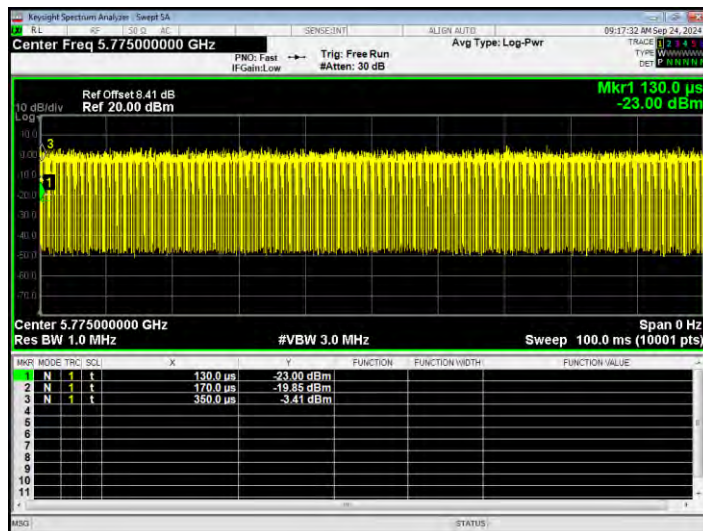
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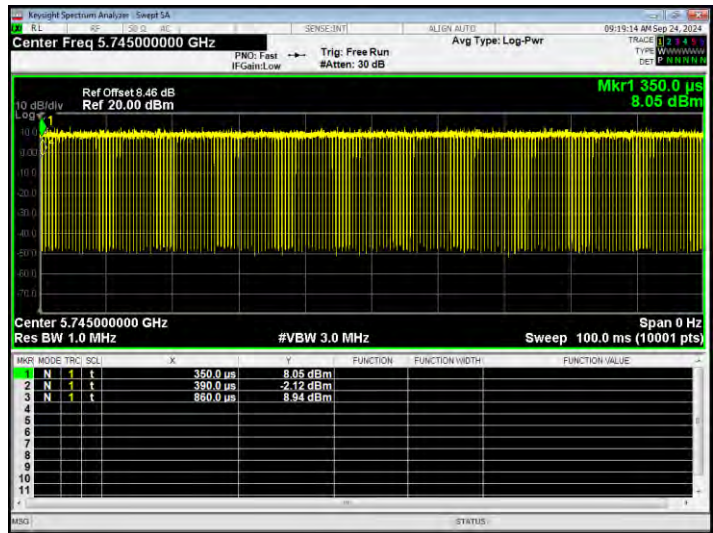
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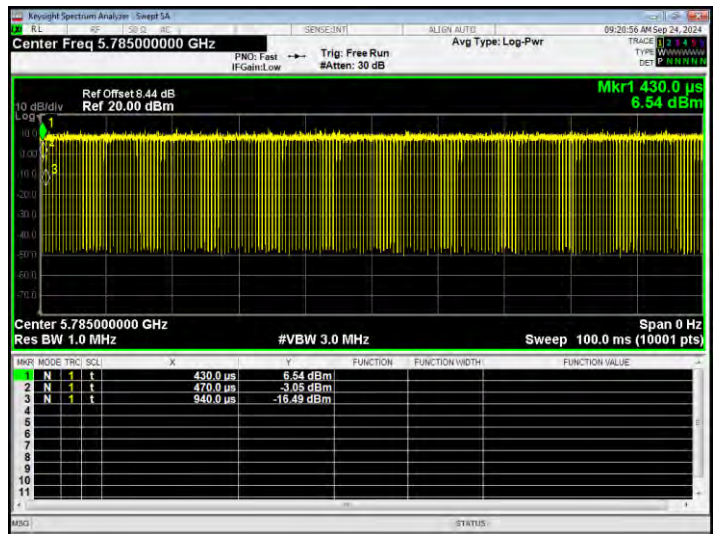
Duty Cycle NVNT ac80 5775MHz Ant2



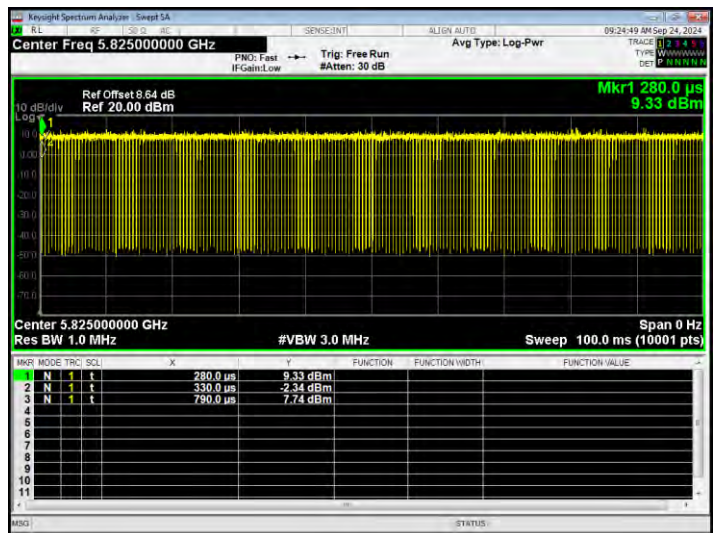
Duty Cycle NVNT ax20 5745MHz Ant2



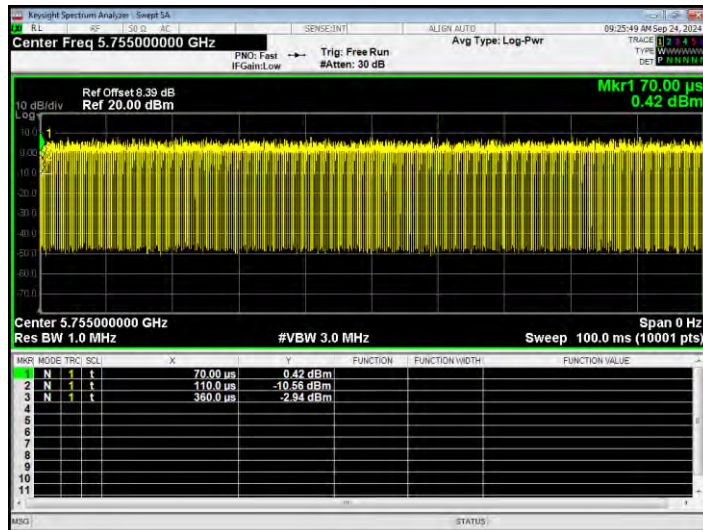
Duty Cycle NVNT ax20 5785MHz Ant2



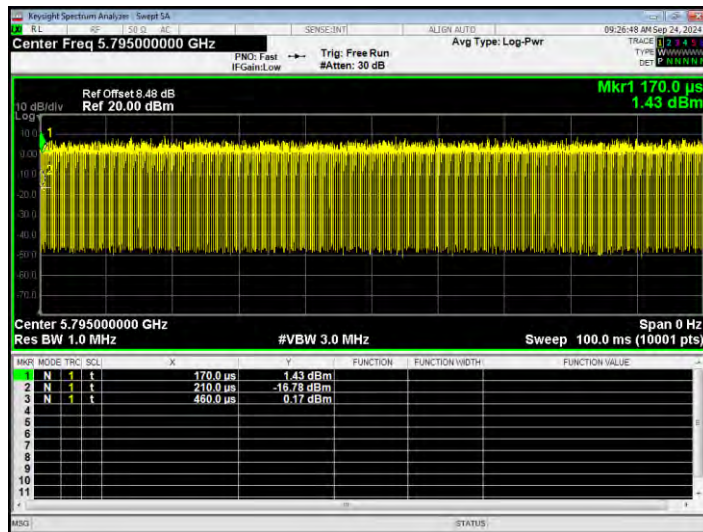
Duty Cycle NVNT ax20 5825MHz Ant2



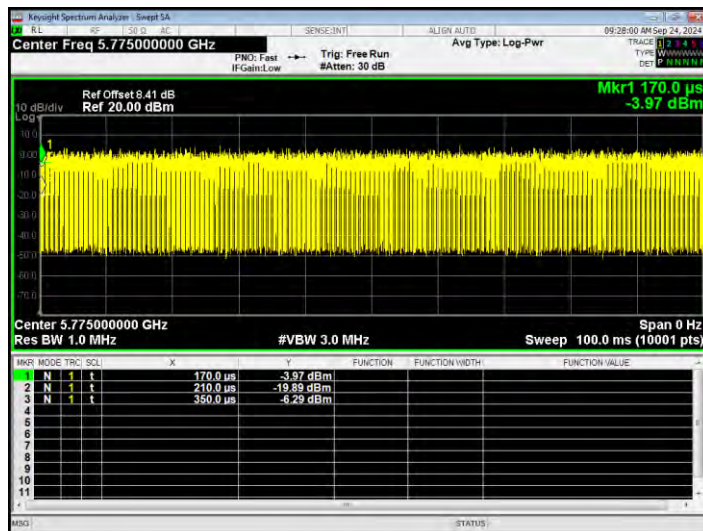
Duty Cycle NVNT ax40 5755MHz Ant2



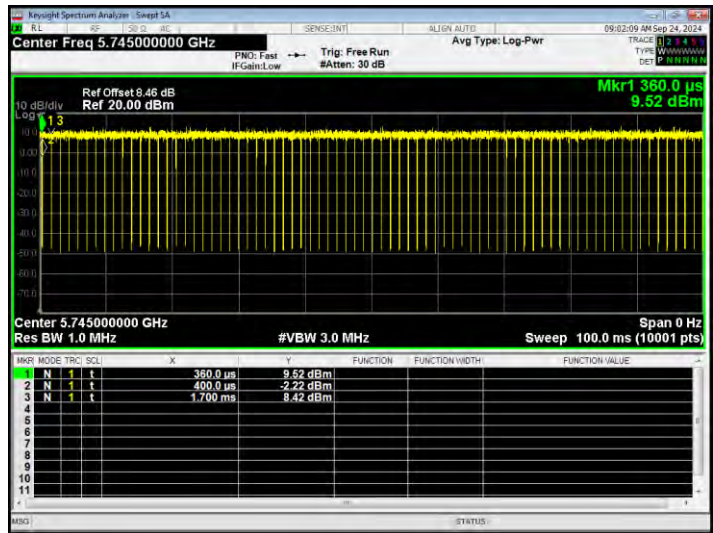
Duty Cycle NVNT ax40 5795MHz Ant2



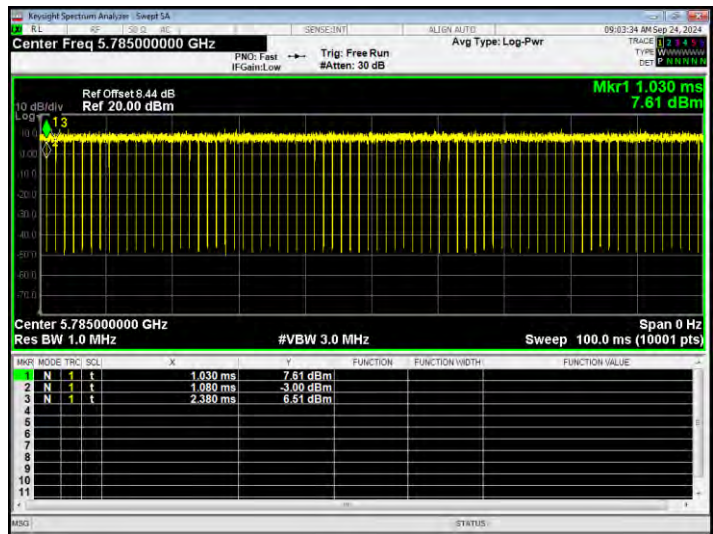
Duty Cycle NVNT ax80 5775MHz Ant2



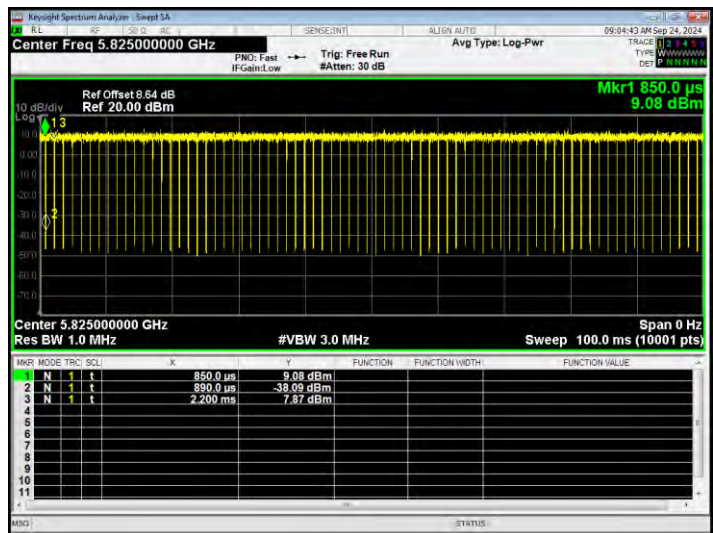
Duty Cycle NVNT n20 5745MHz Ant2



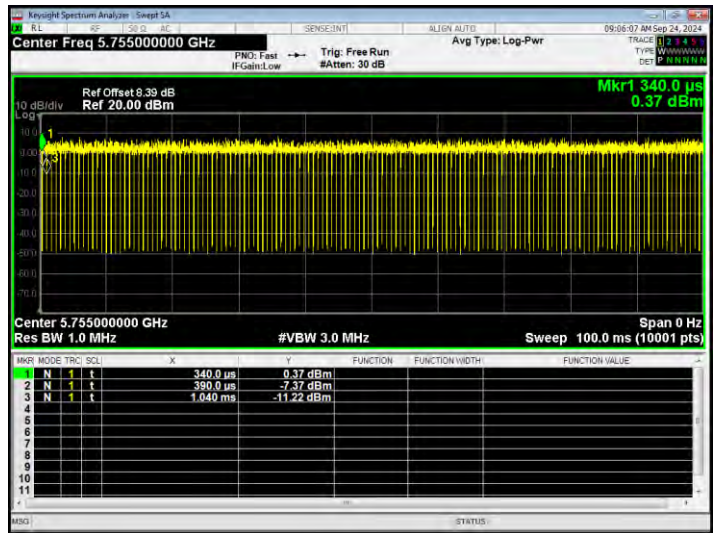
Duty Cycle NVNT n20 5785MHz Ant2



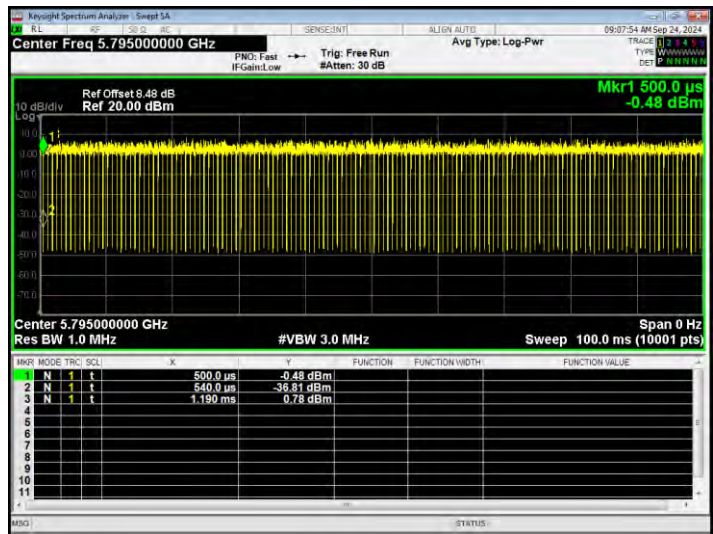
Duty Cycle NVNT n20 5825MHz Ant2



Duty Cycle NVNT n40 5755MHz Ant2



Duty Cycle NVNT n40 5795MHz Ant2



Maximum Conducted Output Power

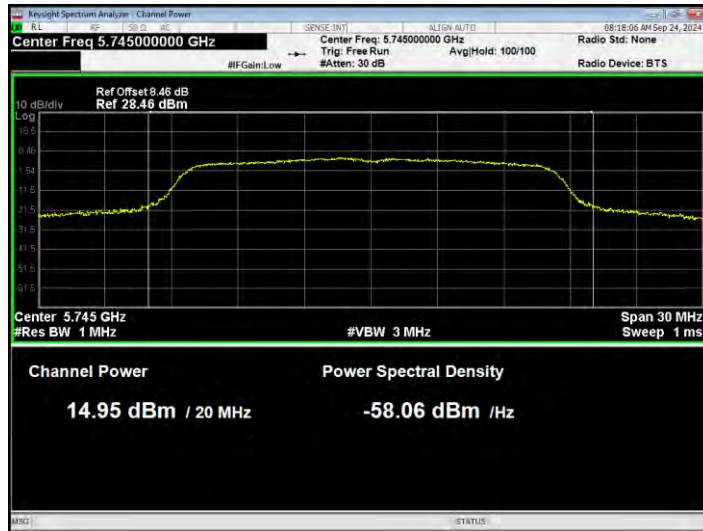
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	14.946	0.87	15.816	30	Pass
NVNT	a	5785	Ant1	14.323	1.12	15.443	30	Pass
NVNT	a	5825	Ant1	14.866	0.87	15.736	30	Pass
NVNT	ac20	5745	Ant1	14.948	0.31	15.258	30	Pass
NVNT	ac20	5785	Ant1	14.444	0.25	14.694	30	Pass
NVNT	ac20	5825	Ant1	14.952	0.25	15.202	30	Pass
NVNT	ac40	5755	Ant1	14.471	0.47	14.941	30	Pass
NVNT	ac40	5795	Ant1	14.378	0.47	14.848	30	Pass
NVNT	ac80	5775	Ant1	14.078	0.83	14.908	30	Pass
NVNT	ax20	5745	Ant1	14.737	0.35	15.087	30	Pass
NVNT	ax20	5785	Ant1	14.283	0.35	14.633	30	Pass
NVNT	ax20	5825	Ant1	14.784	0.35	15.134	30	Pass
NVNT	ax40	5755	Ant1	14.215	0.82	15.035	30	Pass
NVNT	ax40	5795	Ant1	14.297	0.64	14.937	30	Pass
NVNT	ax80	5775	Ant1	13.758	1.41	15.168	30	Pass
NVNT	n20	5745	Ant1	15.326	0.13	15.456	30	Pass
NVNT	n20	5785	Ant1	14.814	0.16	14.974	30	Pass
NVNT	n20	5825	Ant1	15.018	0.13	15.148	30	Pass
NVNT	n40	5755	Ant1	14.678	0.26	14.938	30	Pass
NVNT	n40	5795	Ant1	14.675	0.26	14.935	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant2	14.364	1.12	15.484	30	Pass
NVNT	a	5785	Ant2	13.731	0.87	14.601	30	Pass
NVNT	a	5825	Ant2	14.354	0.87	15.224	30	Pass
NVNT	ac20	5745	Ant2	14.933	0.31	15.243	30	Pass
NVNT	ac20	5785	Ant2	14.466	0.31	14.776	30	Pass
NVNT	ac20	5825	Ant2	14.934	0.31	15.244	30	Pass
NVNT	ac40	5755	Ant2	14.475	0.47	14.945	30	Pass
NVNT	ac40	5795	Ant2	14.452	0.47	14.922	30	Pass
NVNT	ac80	5775	Ant2	13.986	0.87	14.856	30	Pass
NVNT	ax20	5745	Ant2	14.85	0.35	15.2	30	Pass
NVNT	ax20	5785	Ant2	14.19	0.35	14.54	30	Pass
NVNT	ax20	5825	Ant2	14.759	0.45	15.209	30	Pass
NVNT	ax40	5755	Ant2	14.324	0.64	14.964	30	Pass
NVNT	ax40	5795	Ant2	14.301	0.64	14.941	30	Pass
NVNT	ax80	5775	Ant2	13.68	1.09	14.77	30	Pass
NVNT	n20	5745	Ant2	15.045	0.13	15.175	30	Pass
NVNT	n20	5785	Ant2	14.385	0.16	14.545	30	Pass
NVNT	n20	5825	Ant2	15.157	0.13	15.287	30	Pass
NVNT	n40	5755	Ant2	14.712	0.32	15.032	30	Pass
NVNT	n40	5795	Ant2	14.656	0.26	14.916	30	Pass

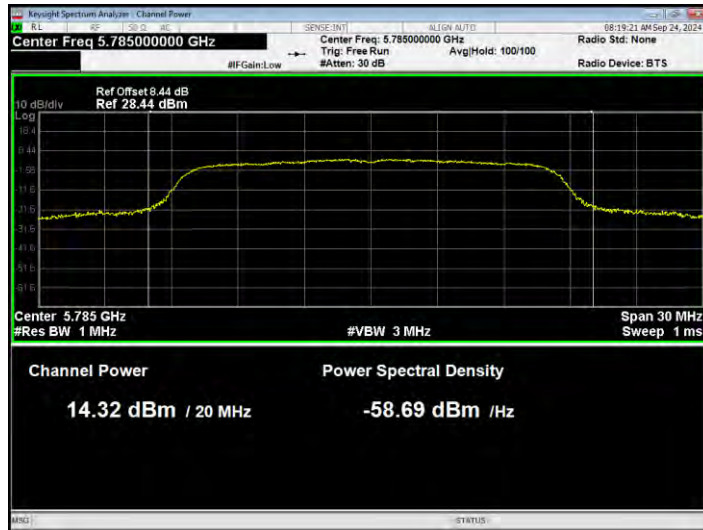
MIMO Mode

Mode	Frequency (MHz)	Antenna	Total PSD (dBm)	Limit (dBm)	Verdict
ac20	5745	Ant1+2	18.26	30	Pass
ac20	5785	Ant1+2	17.75	30	Pass
ac20	5825	Ant1+2	18.23	30	Pass
ac40	5755	Ant1+2	17.95	30	Pass
ac40	5795	Ant1+2	17.90	30	Pass
ac80	5775	Ant1+2	17.89	30	Pass
ax20	5745	Ant1+2	18.15	30	Pass
ax20	5785	Ant1+2	17.60	30	Pass
ax20	5825	Ant1+2	18.18	30	Pass
ax40	5755	Ant1+2	18.01	30	Pass
ax40	5795	Ant1+2	17.95	30	Pass
ax80	5775	Ant1+2	17.98	30	Pass
n20	5745	Ant1+2	18.33	30	Pass
n20	5785	Ant1+2	17.78	30	Pass
n20	5825	Ant1+2	18.23	30	Pass
n40	5755	Ant1+2	18.00	30	Pass
n40	5795	Ant1+2	17.94	30	Pass

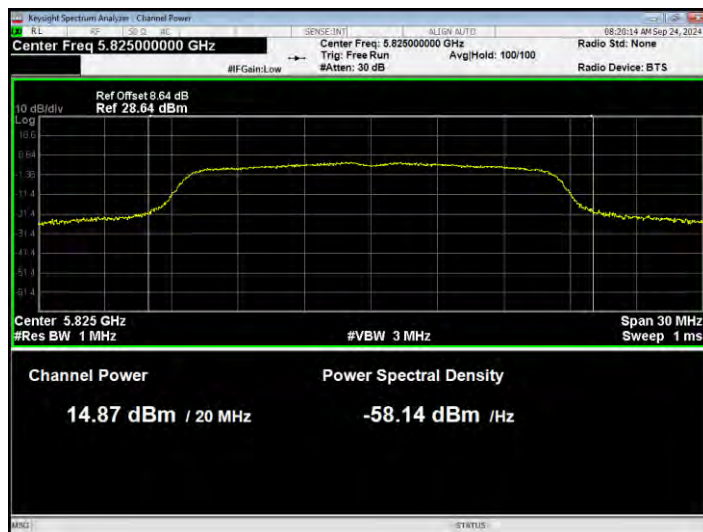
Power NVNT a 5745MHz Ant1



Power NVNT a 5785MHz Ant1



Power NVNT a 5825MHz Ant1



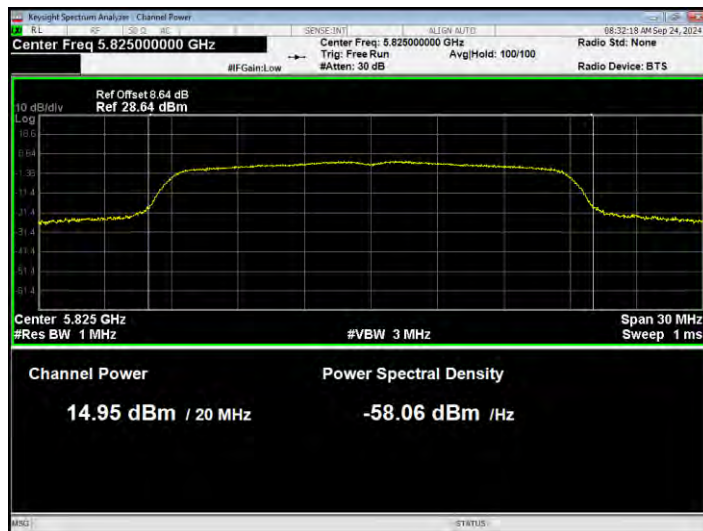
Power NVNT ac20 5745MHz Ant1



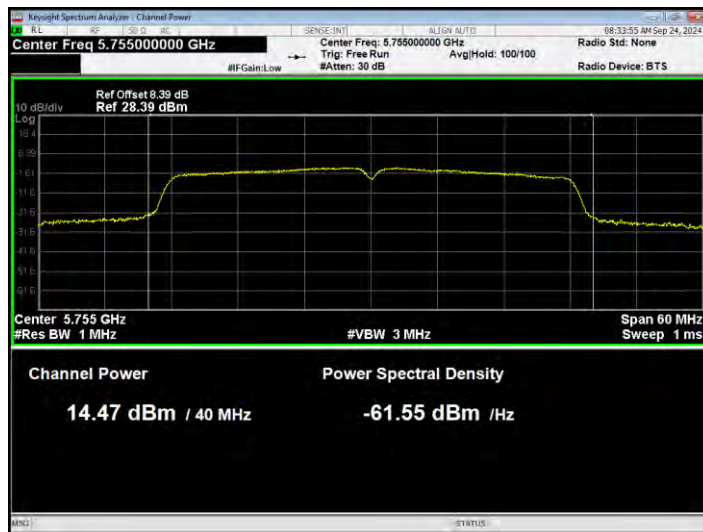
Power NVNT ac20 5785MHz Ant1



Power NVNT ac20 5825MHz Ant1



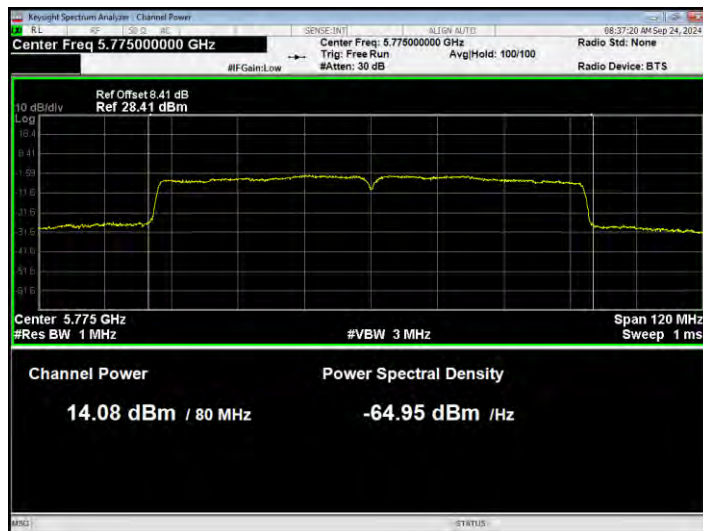
Power NVNT ac40 5755MHz Ant1



Power NVNT ac40 5795MHz Ant1



Power NVNT ac80 5775MHz Ant1



Power NVNT ax20 5745MHz Ant1



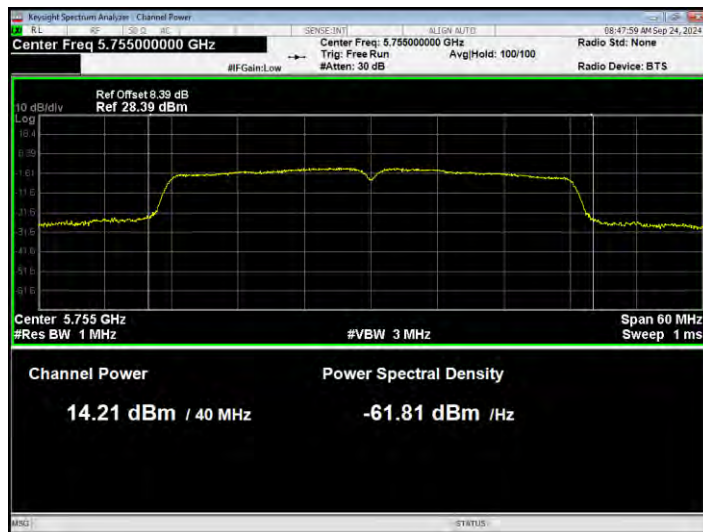
Power NVNT ax20 5785MHz Ant1



Power NVNT ax20 5825MHz Ant1



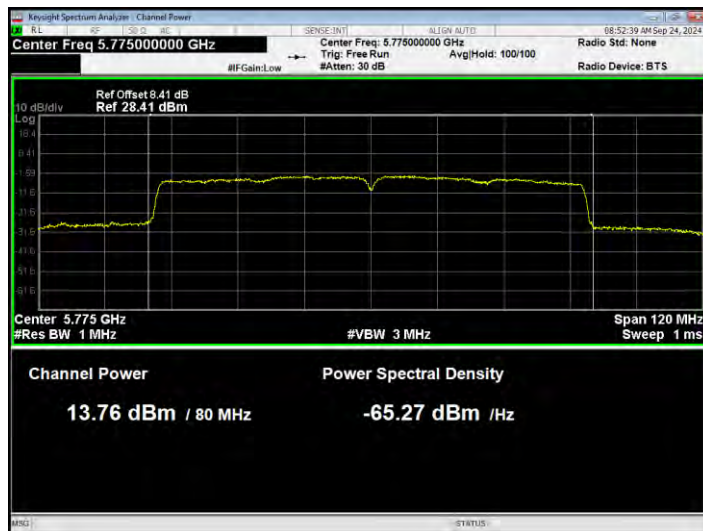
Power NVNT ax40 5755MHz Ant1



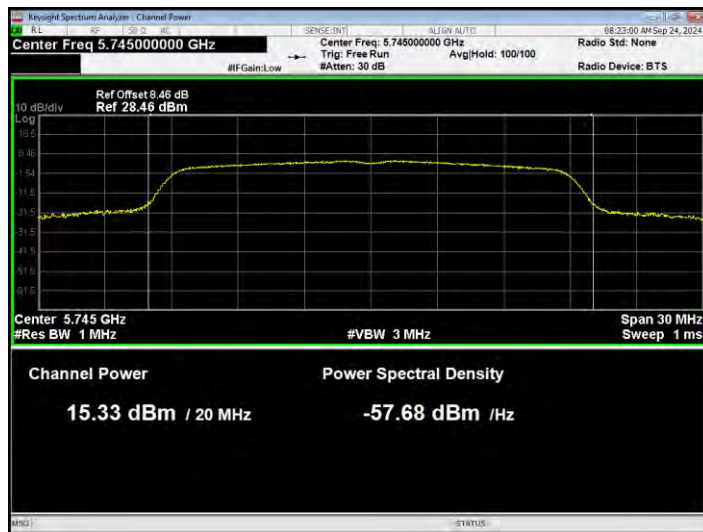
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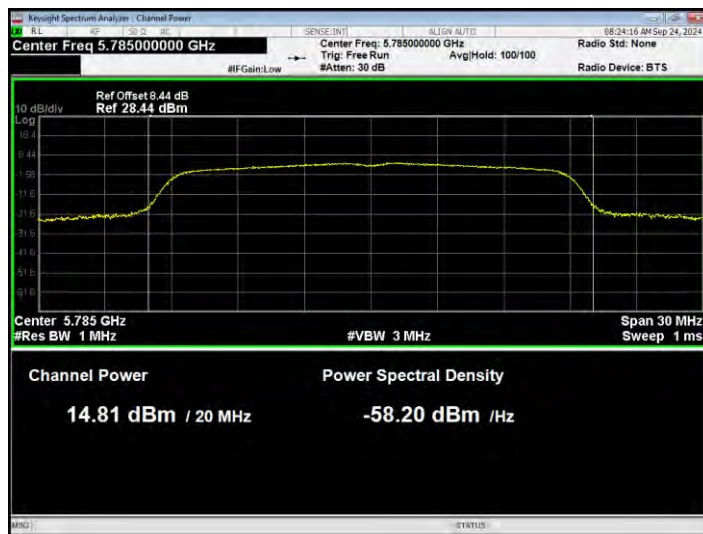
Power NVNT ax80 5775MHz Ant1



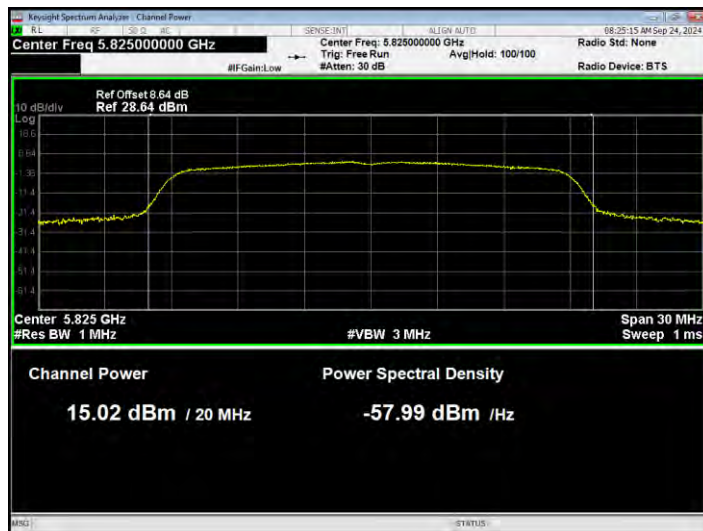
Power NVNT n20 5745MHz Ant1



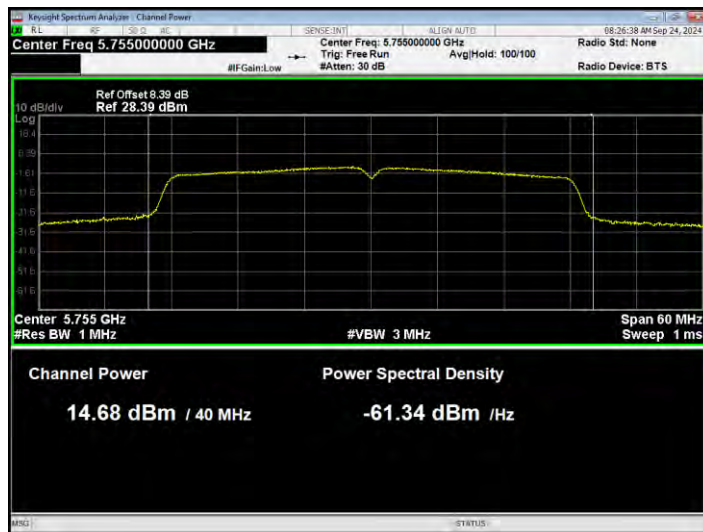
Power NVNT n20 5785MHz Ant1



Power NVNT n20 5825MHz Ant1



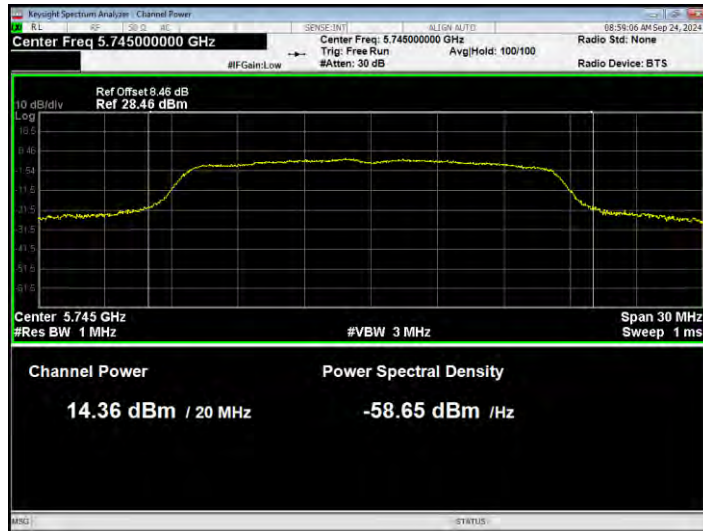
Power NVNT n40 5755MHz Ant1



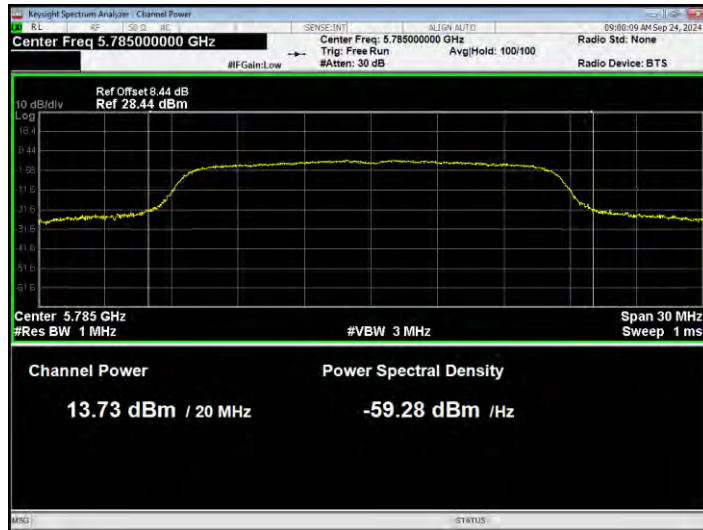
Power NVNT n40 5795MHz Ant1



Power NVNT a 5745MHz Ant2



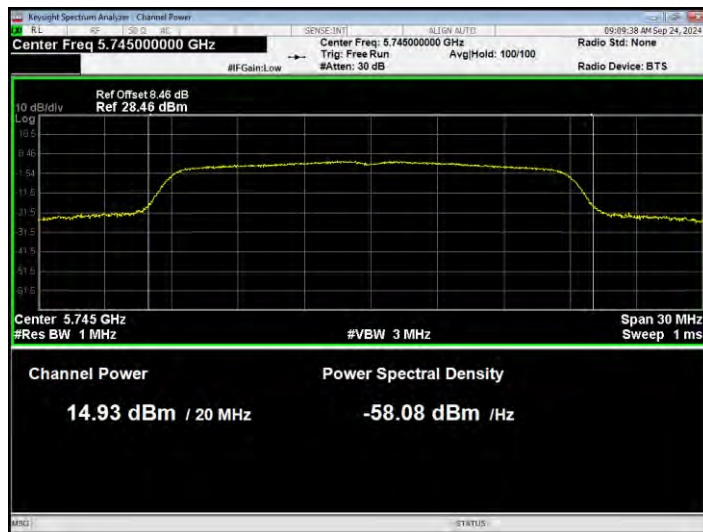
Power NVNT a 5785MHz Ant2



Power NVNT a 5825MHz Ant2



Power NVNT ac20 5745MHz Ant2



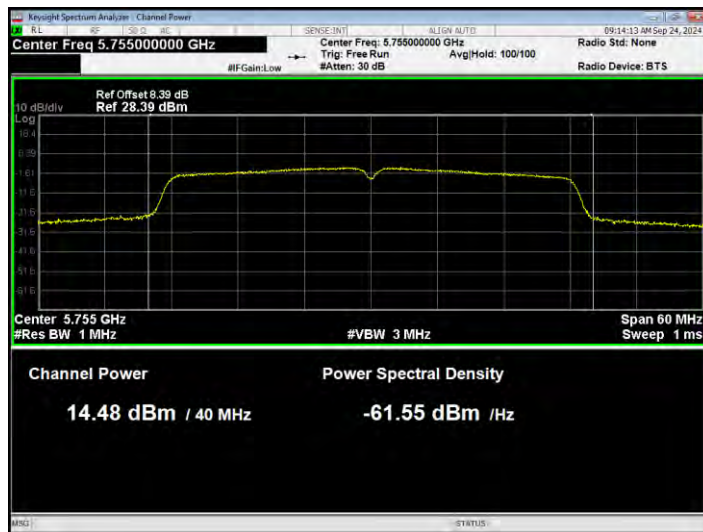
Power NVNT ac20 5785MHz Ant2



Power NVNT ac20 5825MHz Ant2



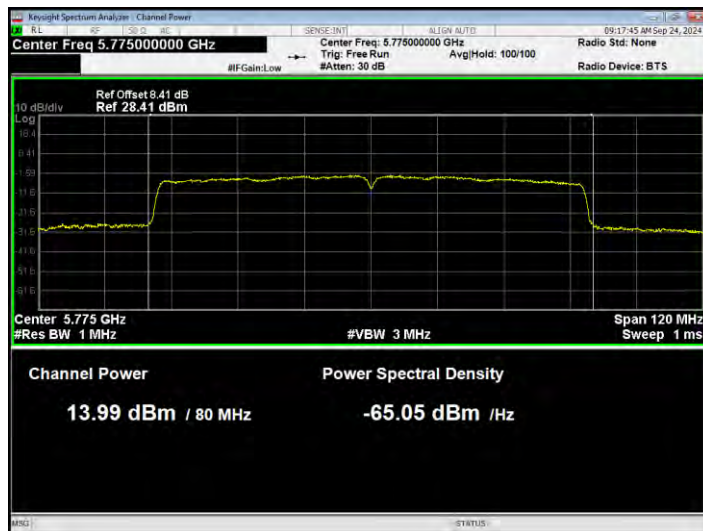
Power NVNT ac40 5755MHz Ant2



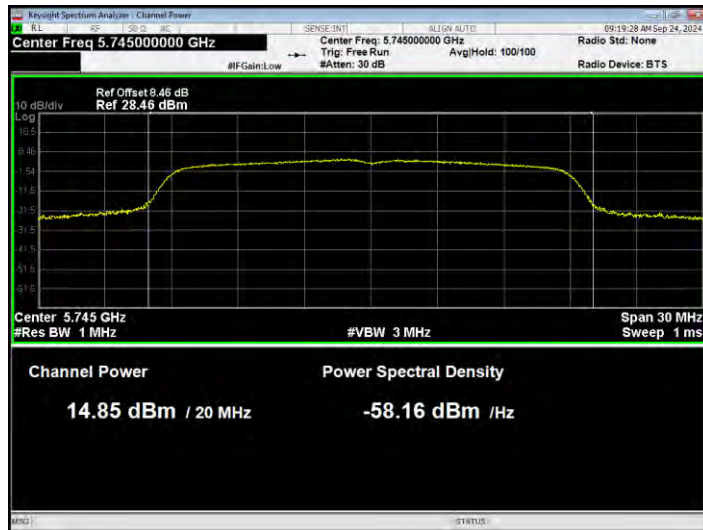
Power NVNT ac40 5795MHz Ant2



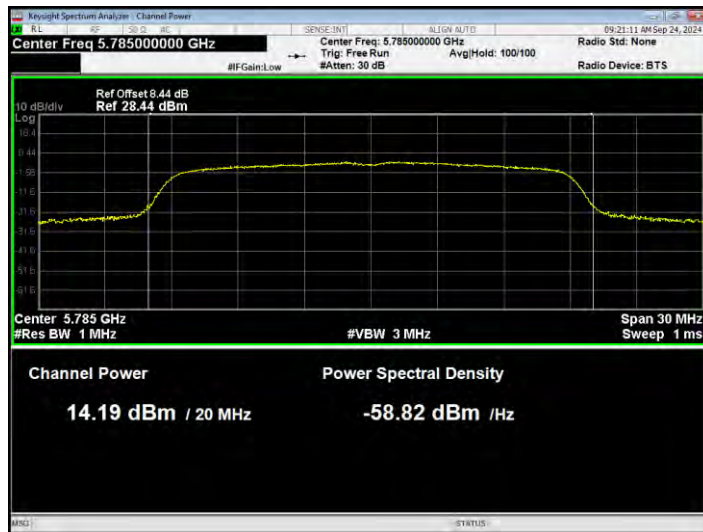
Power NVNT ac80 5775MHz Ant2



Power NVNT ax20 5745MHz Ant2



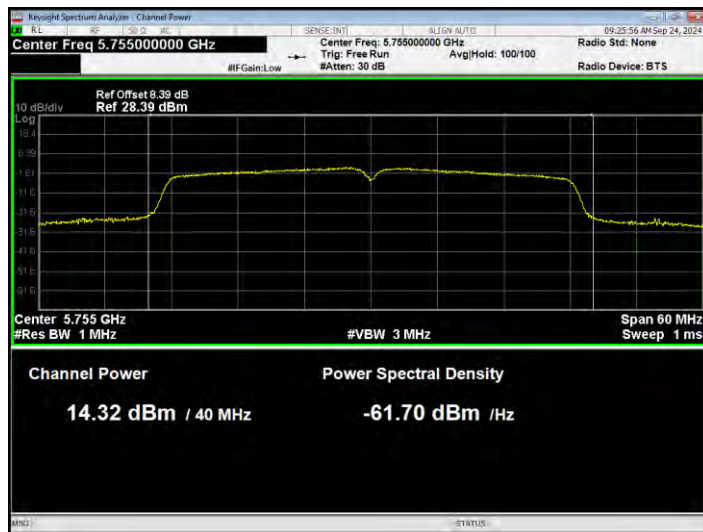
Power NVNT ax20 5785MHz Ant2



Power NVNT ax20 5825MHz Ant2



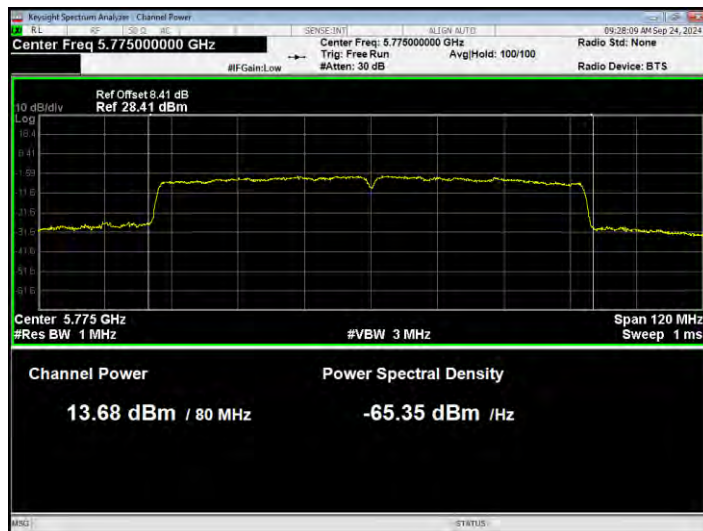
Power NVNT ax40 5755MHz Ant2



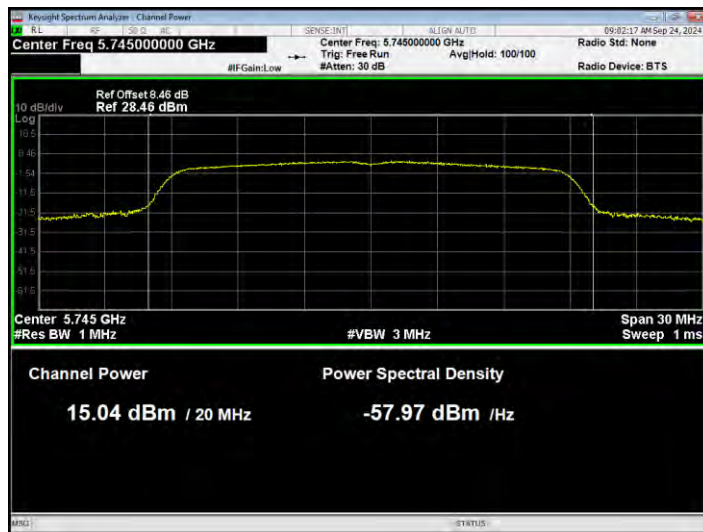
Power NVNT ax40 5795MHz Ant2



Power NVNT ax80 5775MHz Ant2



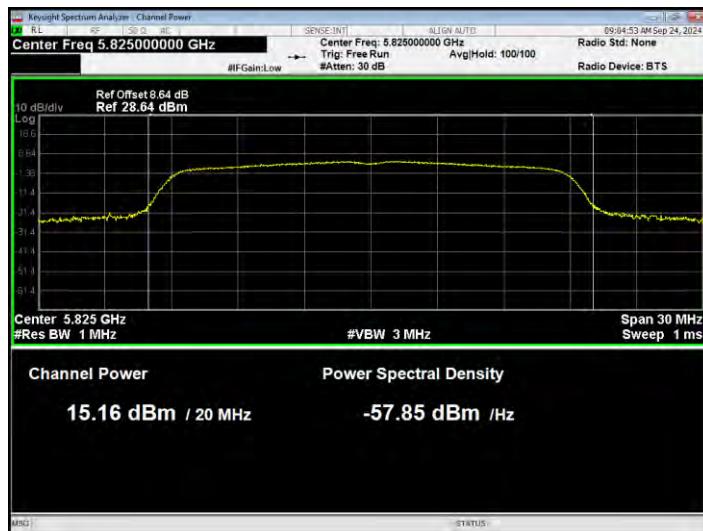
Power NVNT n20 5745MHz Ant2



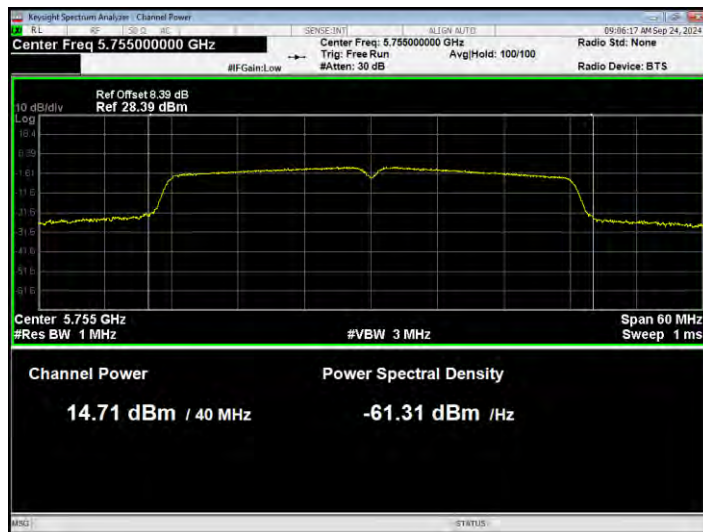
Power NVNT n20 5785MHz Ant2



Power NVNT n20 5825MHz Ant2



Power NVNT n40 5755MHz Ant2



Power NVNT n40 5795MHz Ant2

