

ANNEX 2

FCC ID: 2BLM9-AX3000W

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-AX3000W

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

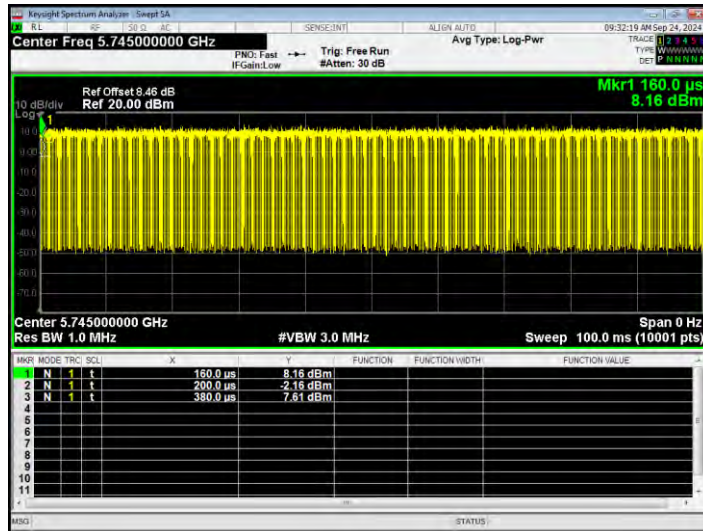
Test Result: Pass

Duty Cycle

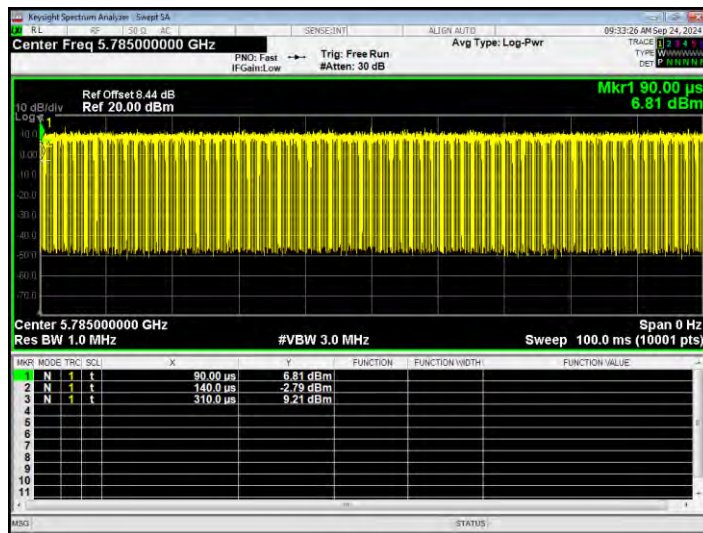
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	81.82	0.87
NVNT	a	5785	Ant1	77.27	1.12
NVNT	a	5825	Ant1	77.27	1.12
NVNT	ac20	5745	Ant1	94.44	0.25
NVNT	ac20	5785	Ant1	94.44	0.25
NVNT	ac20	5825	Ant1	94.44	0.25
NVNT	ac40	5755	Ant1	87.5	0.58
NVNT	ac40	5795	Ant1	87.18	0.6
NVNT	ac80	5775	Ant1	78.26	1.06
NVNT	ax20	5745	Ant1	92	0.36
NVNT	ax20	5785	Ant1	92.16	0.35
NVNT	ax20	5825	Ant1	92.16	0.35
NVNT	ax40	5755	Ant1	86.21	0.64
NVNT	ax40	5795	Ant1	85.71	0.67
NVNT	ax80	5775	Ant1	73.68	1.33
NVNT	n20	5745	Ant1	97.01	0.13
NVNT	n20	5785	Ant1	97.01	0.13
NVNT	n20	5825	Ant1	97.04	0.13
NVNT	n40	5755	Ant1	94.2	0.26
NVNT	n40	5795	Ant1	92.86	0.32

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant2	81.82	0.87
NVNT	a	5785	Ant2	81.82	0.87
NVNT	a	5825	Ant2	77.27	1.12
NVNT	ac20	5745	Ant2	94.44	0.25
NVNT	ac20	5785	Ant2	94.44	0.25
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	92.16	0.35
NVNT	ax20	5785	Ant2	92.16	0.35
NVNT	ax20	5825	Ant2	92.16	0.35
NVNT	ax40	5755	Ant2	82.76	0.82
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	97.01	0.13
NVNT	n20	5825	Ant2	96.3	0.16
NVNT	n40	5755	Ant2	94.2	0.26
NVNT	n40	5795	Ant2	92.86	0.32

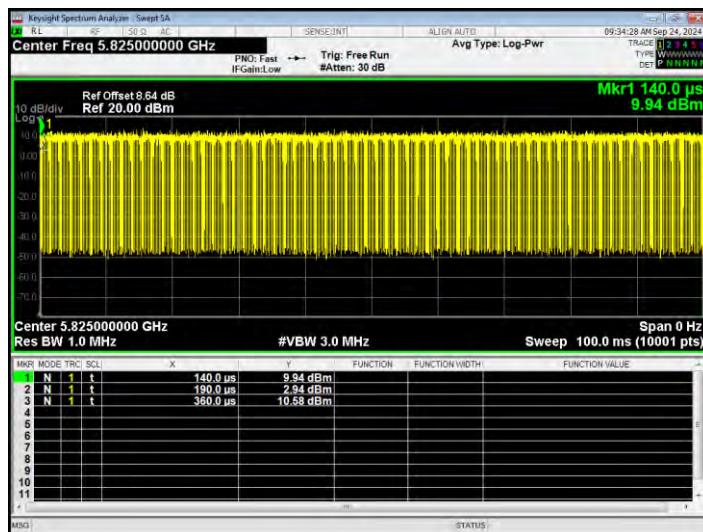
Duty Cycle NVNT a 5745MHz Ant1



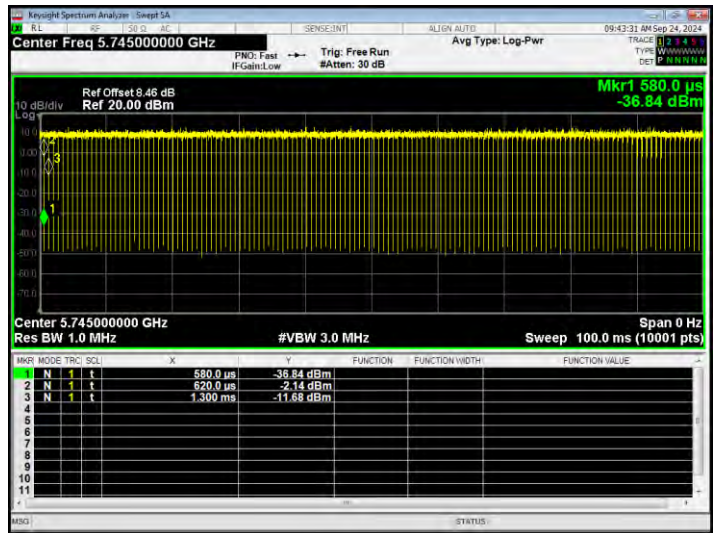
Duty Cycle NVNT a 5785MHz Ant1



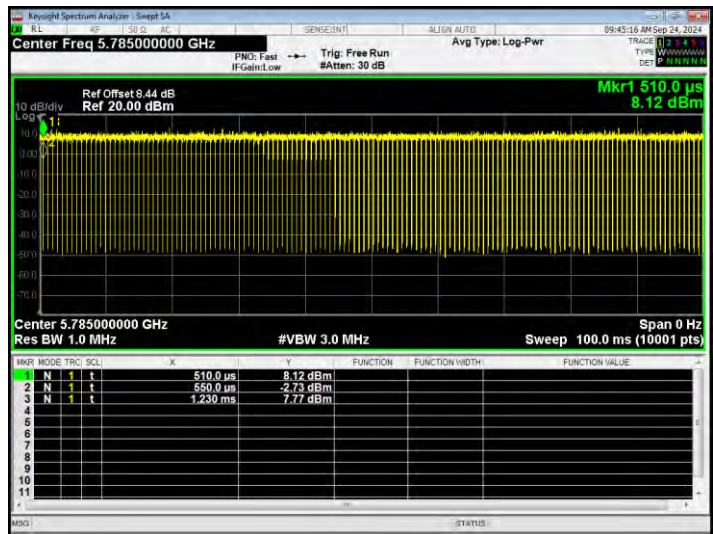
Duty Cycle NVNT a 5825MHz Ant1



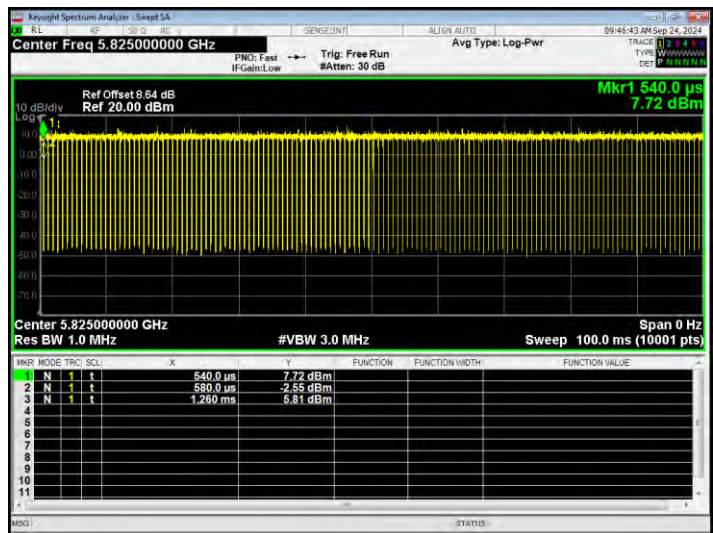
Duty Cycle NVNT ac20 5745MHz Ant1



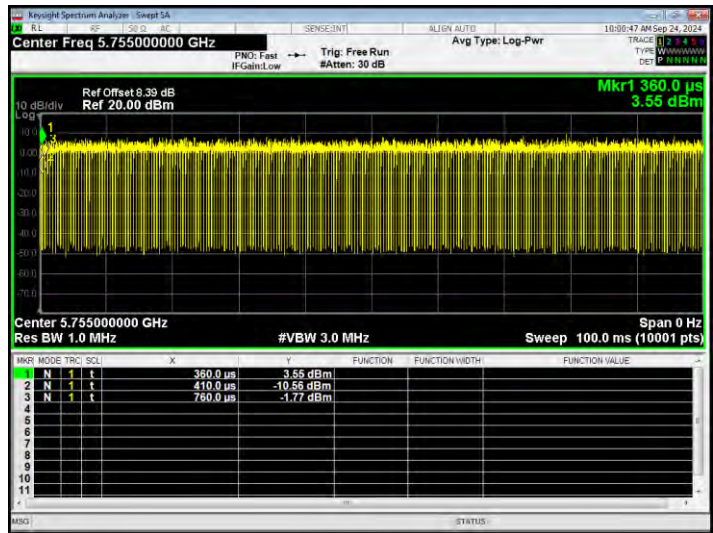
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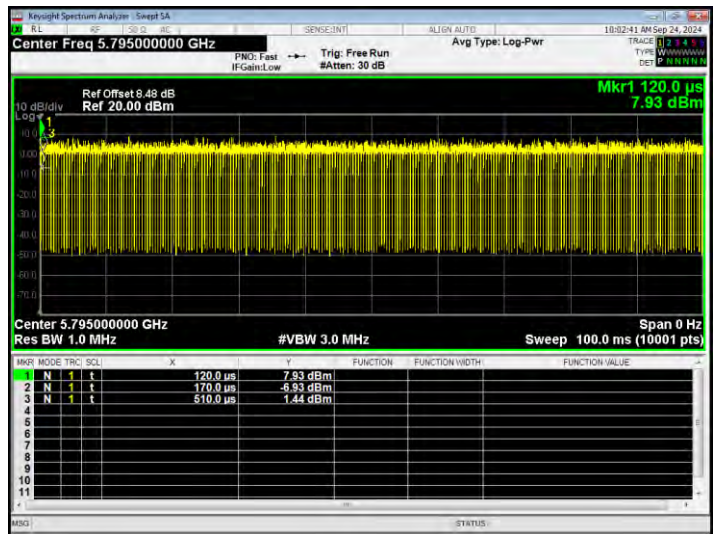
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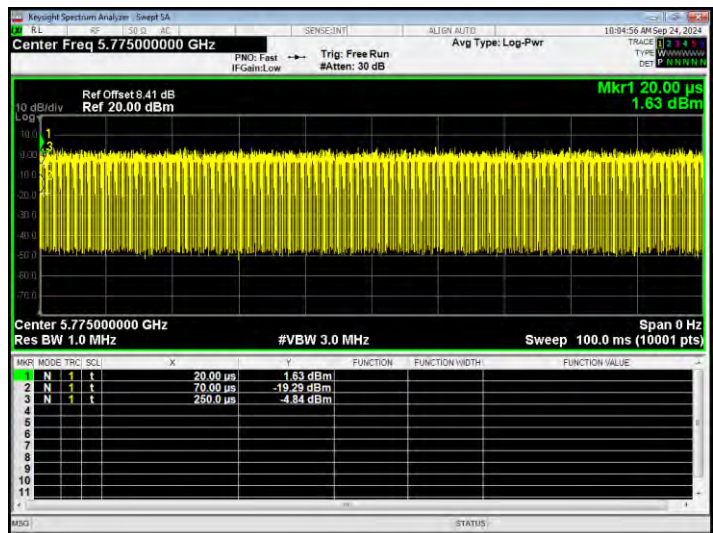
Duty Cycle NVNT ac40 5755MHz Ant1



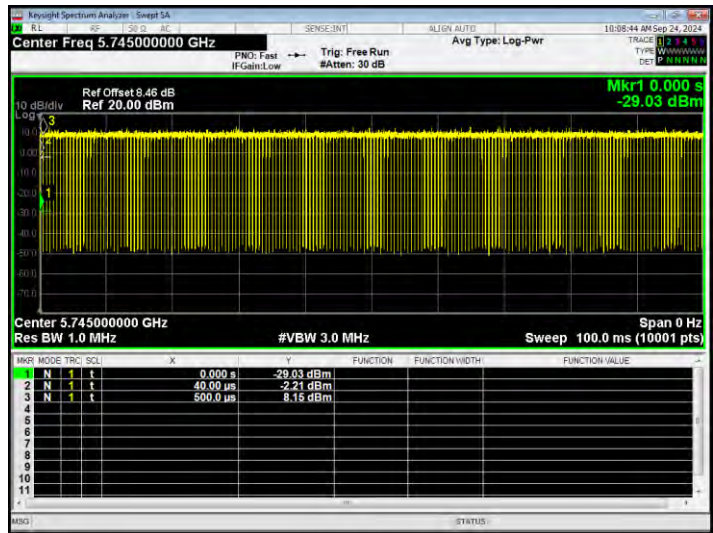
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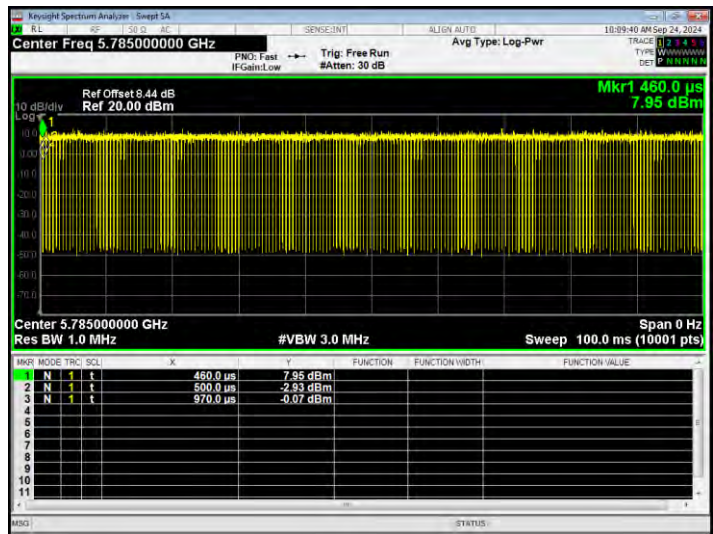
Duty Cycle NVNT ac80 5775MHz Ant1



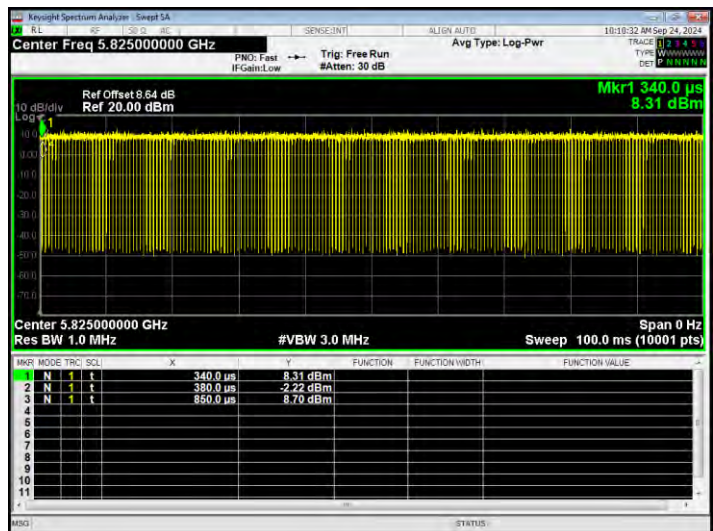
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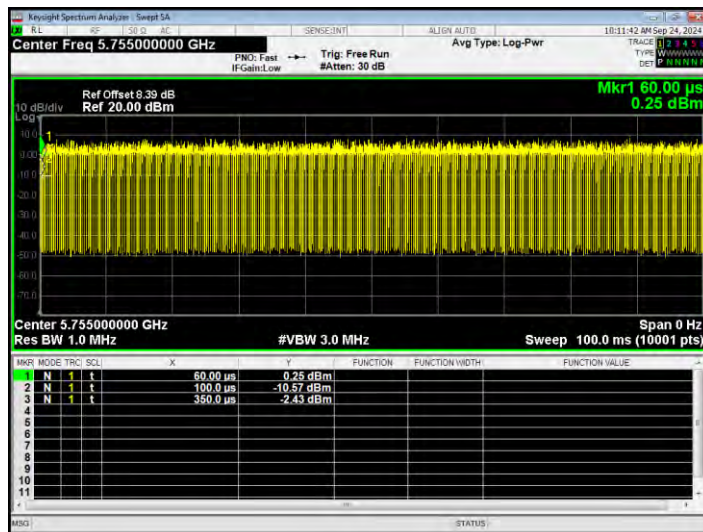
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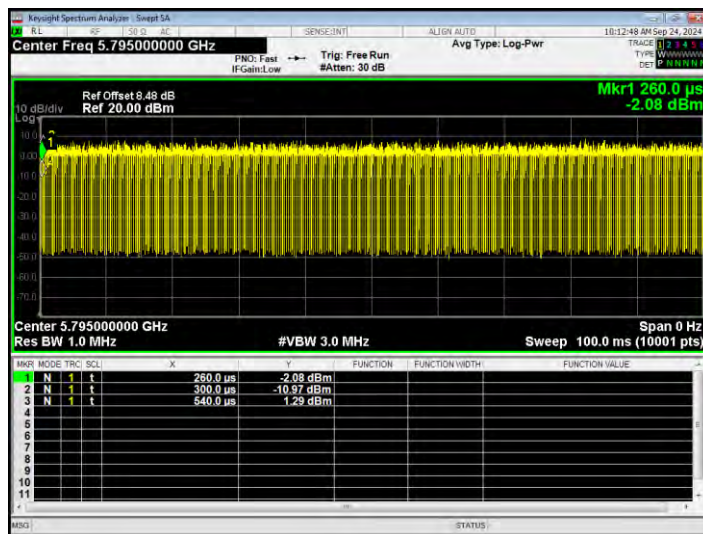
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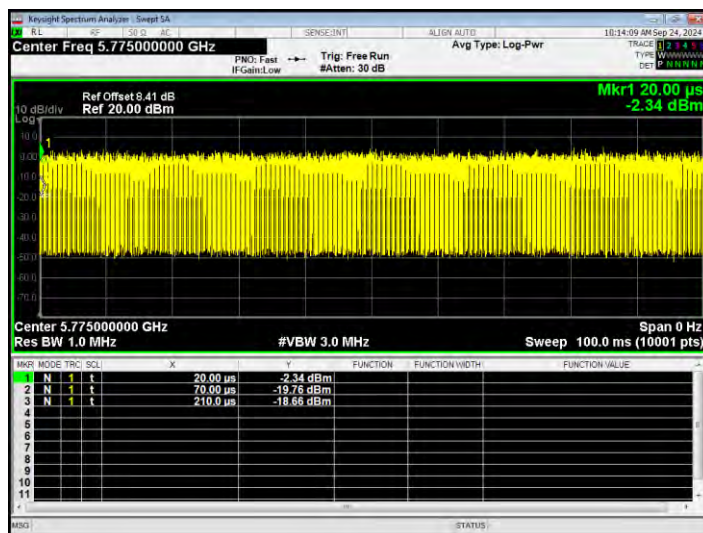
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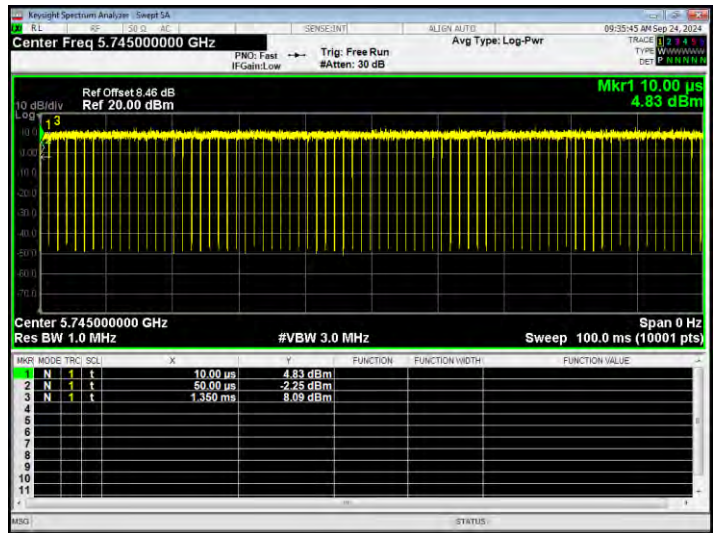
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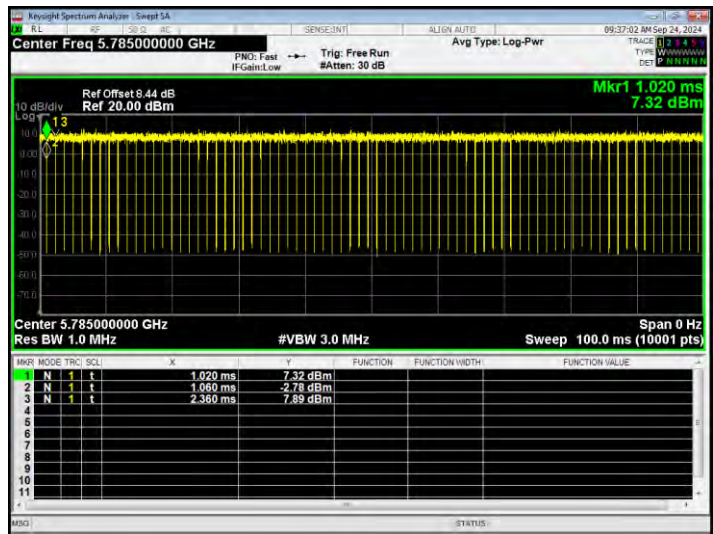
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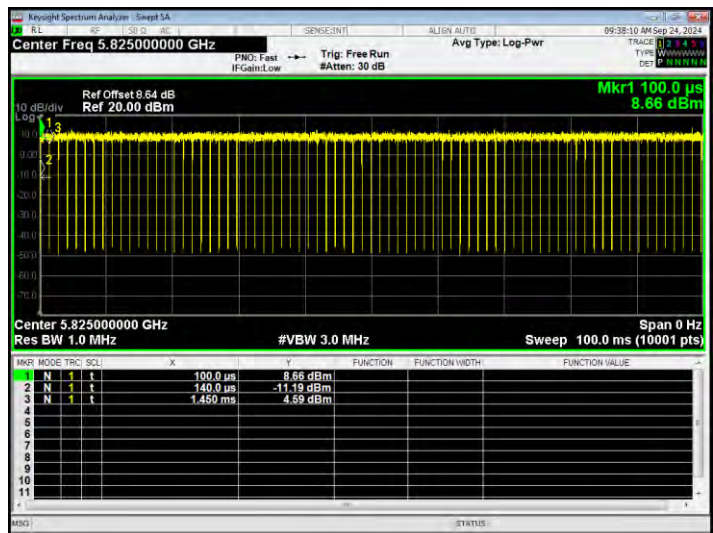
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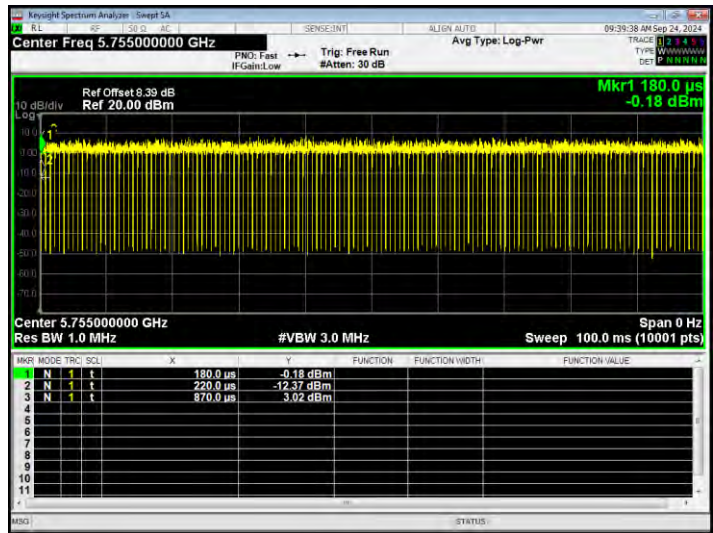
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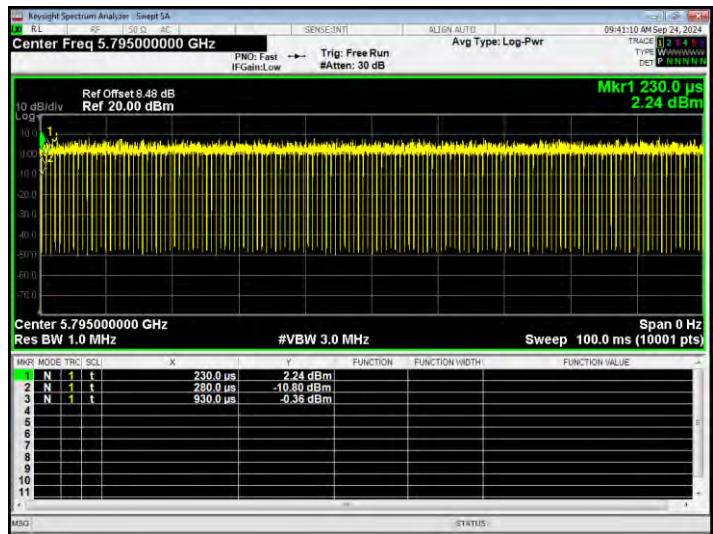
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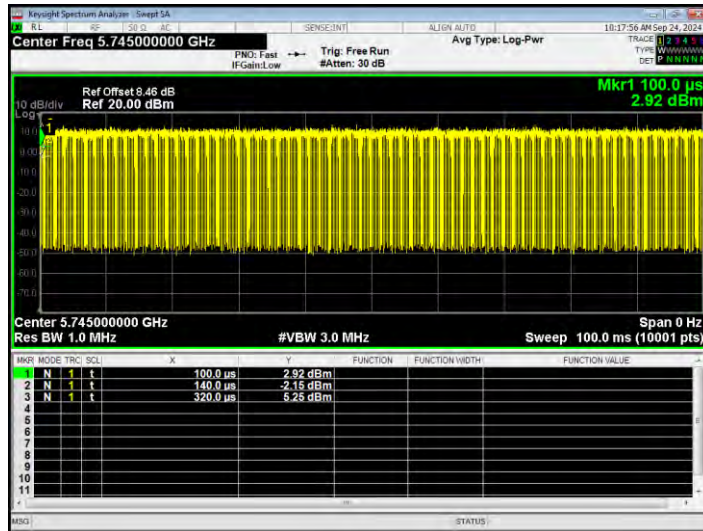
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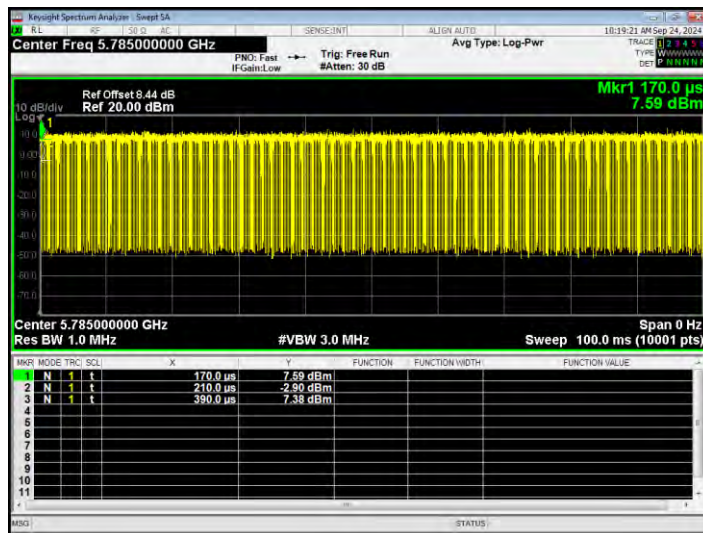
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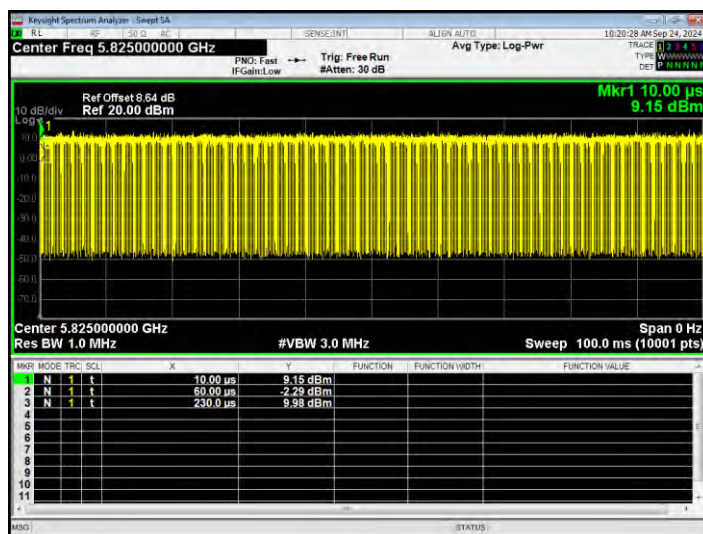
Duty Cycle NVNT a 5745MHz Ant2



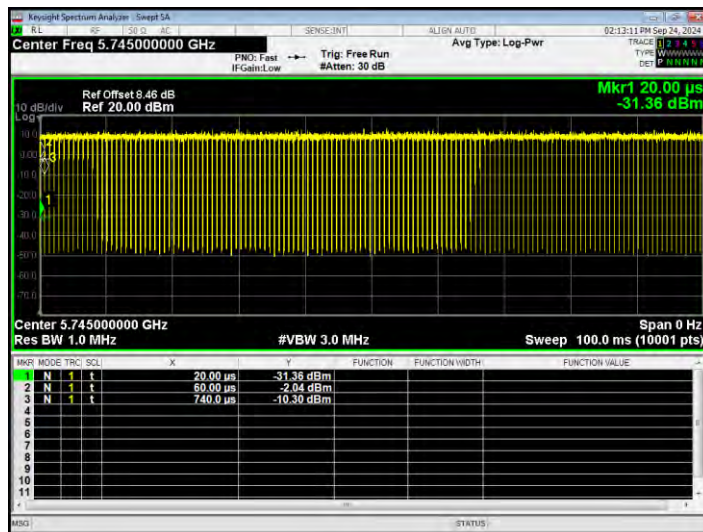
Duty Cycle NVNT a 5785MHz Ant2



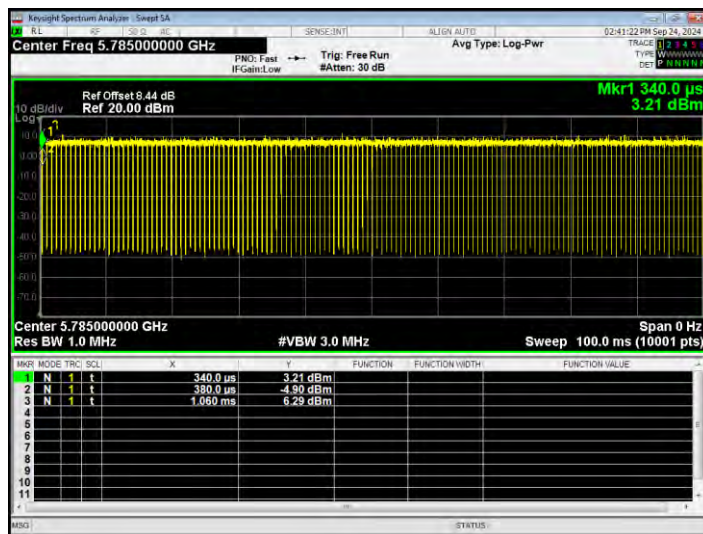
Duty Cycle NVNT a 5825MHz Ant2



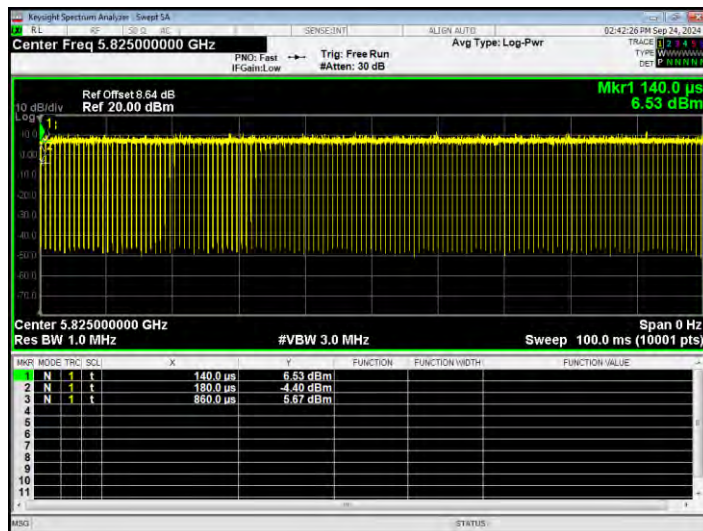
Duty Cycle NVNT ac20 5745MHz Ant2



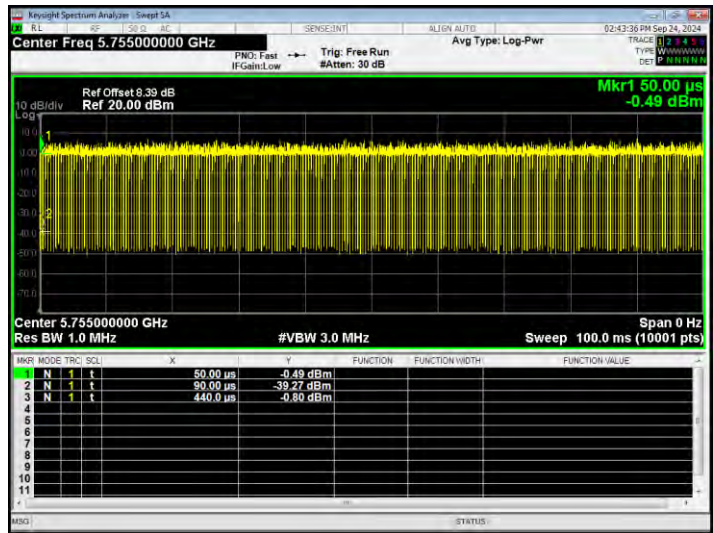
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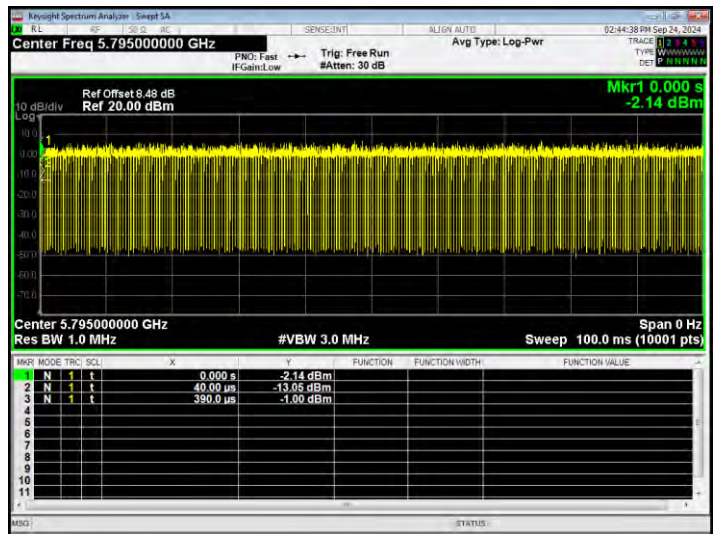
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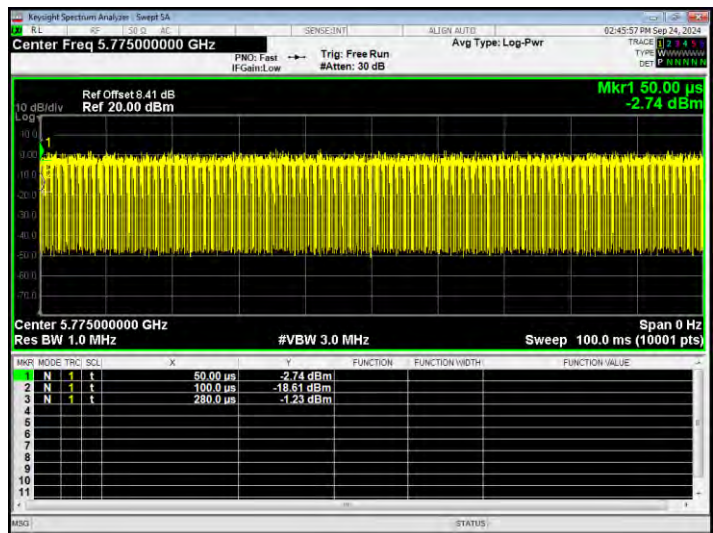
Duty Cycle NVNT ac40 5755MHz Ant2



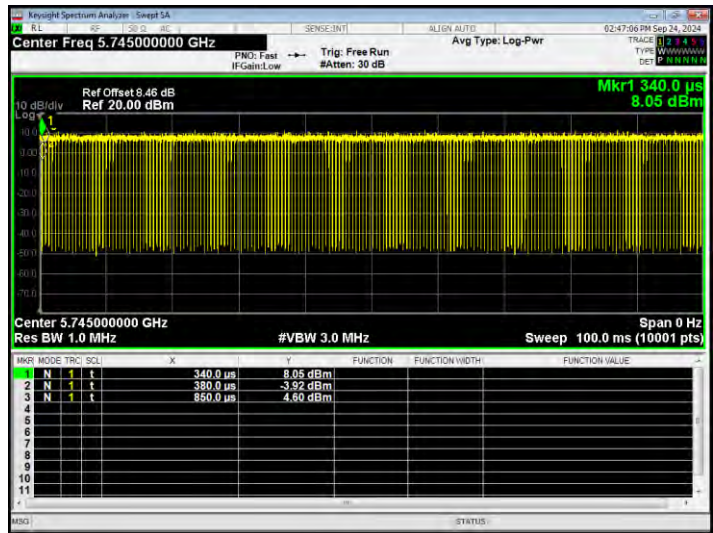
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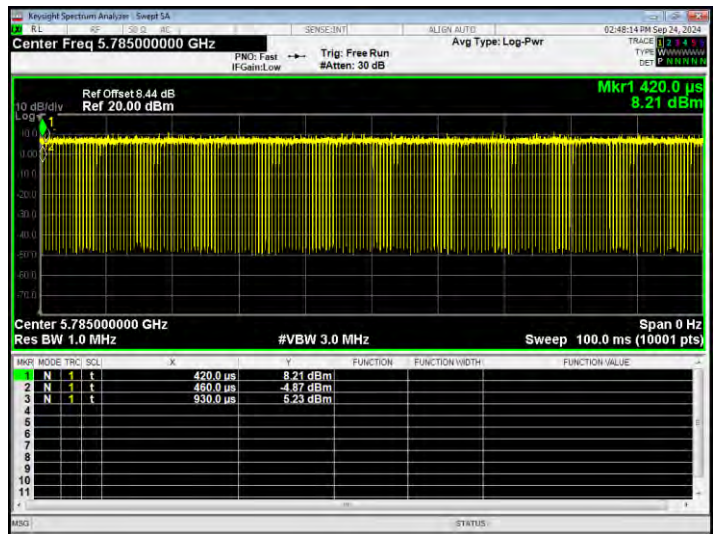
Duty Cycle NVNT ac80 5775MHz Ant2



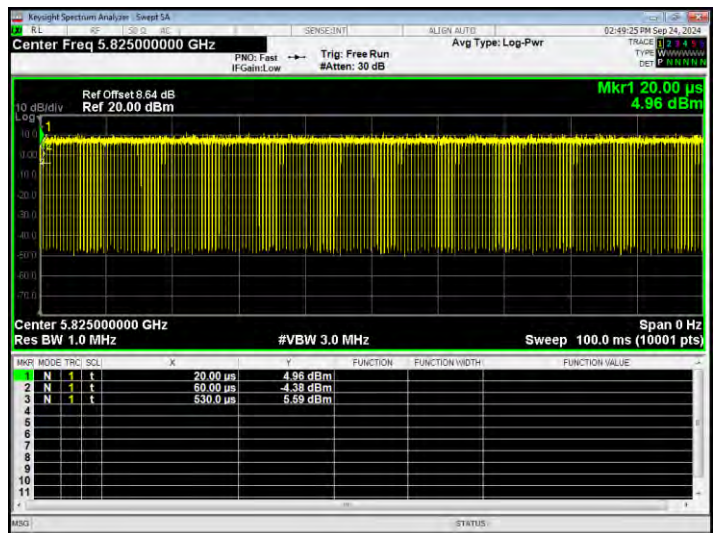
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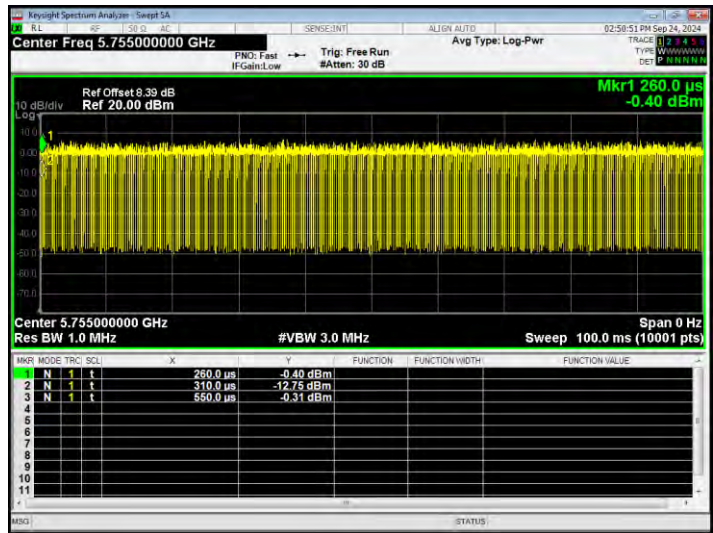
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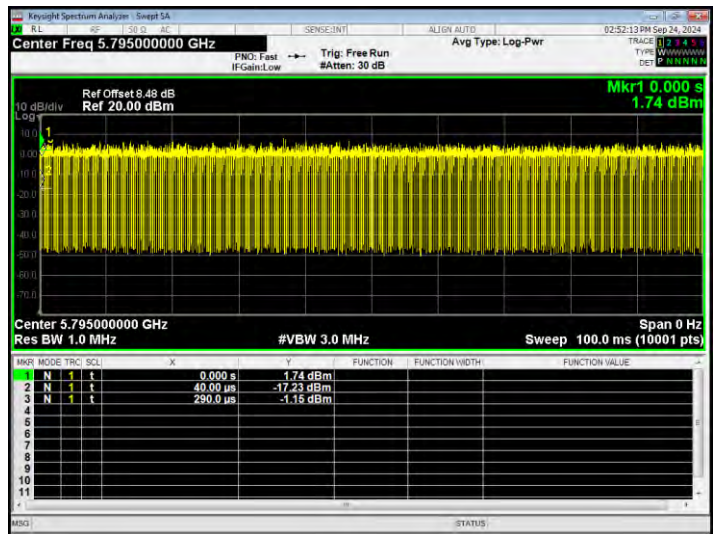
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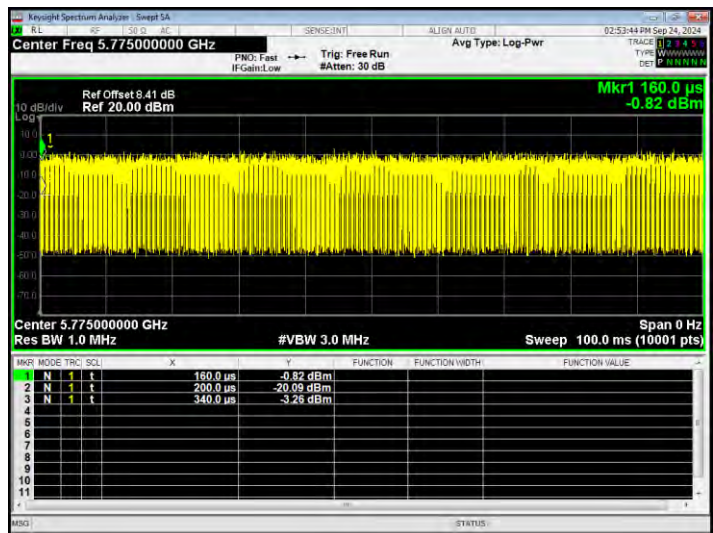
Duty Cycle NVNT ax40 5755MHz Ant2



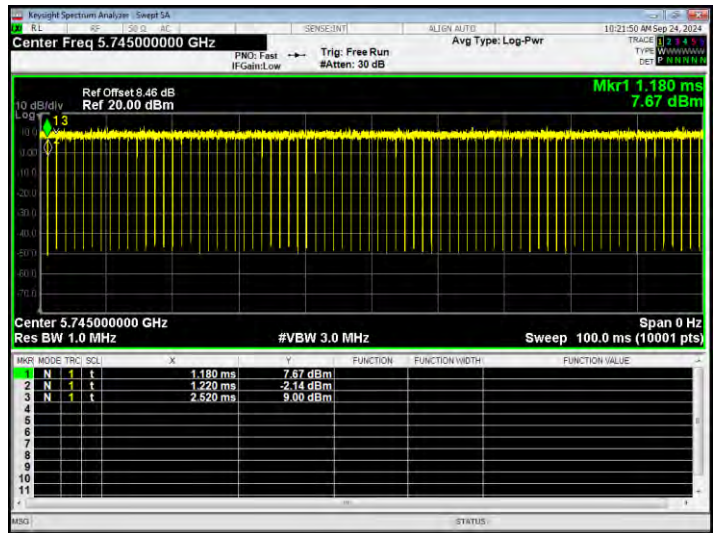
Duty Cycle NVNT ax40 5795MHz Ant2



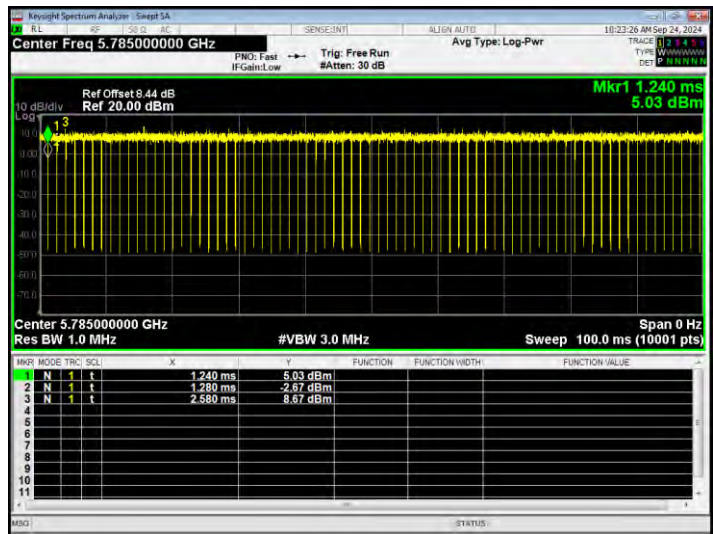
Duty Cycle NVNT ax80 5775MHz Ant2



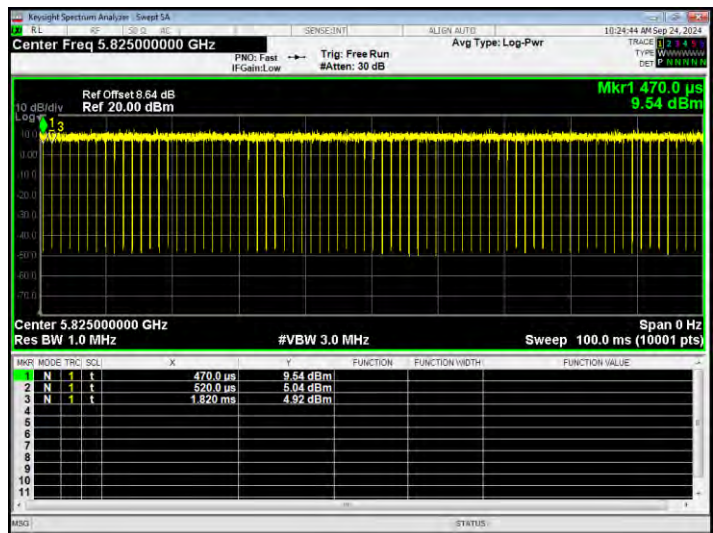
Duty Cycle NVNT n20 5745MHz Ant2



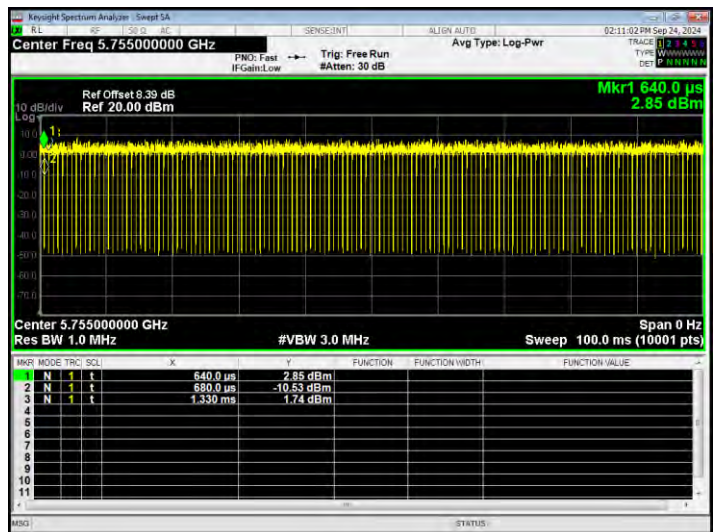
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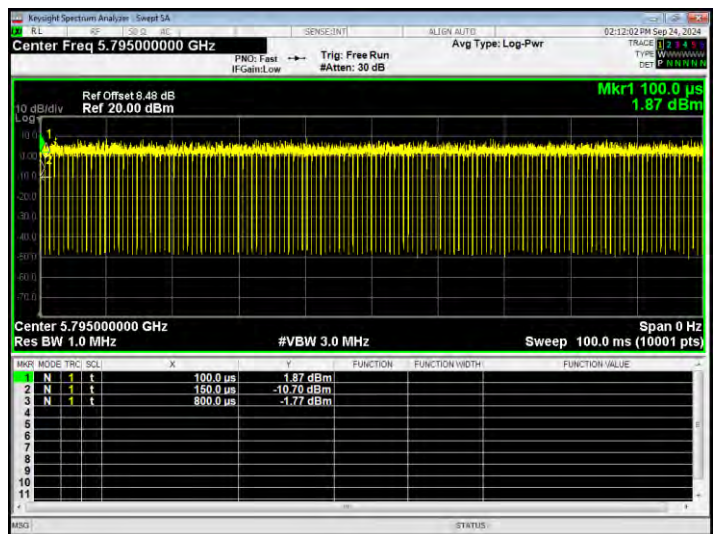
Duty Cycle NVNT n20 5825MHz Ant2



Duty Cycle NVNT n40 5755MHz Ant2



Duty Cycle NVNT n40 5795MHz Ant2



Maximum Conducted Output Power

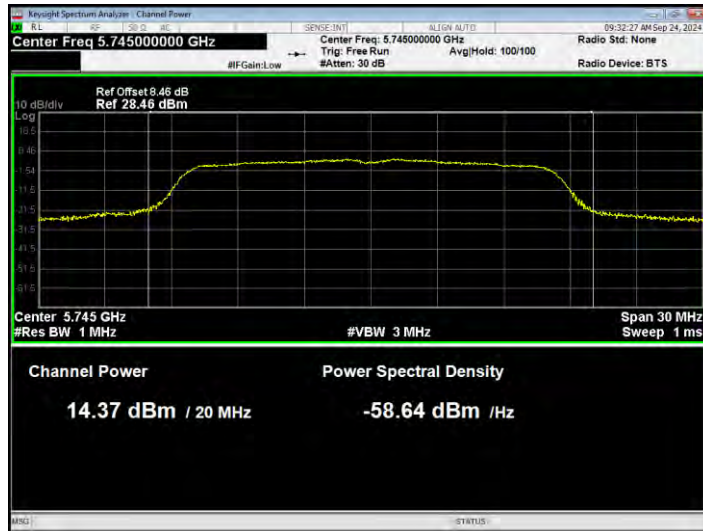
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	14.368	0.87	15.238	30	Pass
NVNT	a	5785	Ant1	13.828	1.12	14.948	30	Pass
NVNT	a	5825	Ant1	14.425	1.12	15.545	30	Pass
NVNT	ac20	5745	Ant1	14.938	0.25	15.188	30	Pass
NVNT	ac20	5785	Ant1	14.427	0.25	14.677	30	Pass
NVNT	ac20	5825	Ant1	15.055	0.25	15.305	30	Pass
NVNT	ac40	5755	Ant1	14.622	0.58	15.202	30	Pass
NVNT	ac40	5795	Ant1	14.435	0.6	15.035	30	Pass
NVNT	ac80	5775	Ant1	14.085	1.06	15.145	30	Pass
NVNT	ax20	5745	Ant1	14.807	0.36	15.167	30	Pass
NVNT	ax20	5785	Ant1	14.329	0.35	14.679	30	Pass
NVNT	ax20	5825	Ant1	14.756	0.35	15.106	30	Pass
NVNT	ax40	5755	Ant1	14.365	0.64	15.005	30	Pass
NVNT	ax40	5795	Ant1	14.303	0.67	14.973	30	Pass
NVNT	ax80	5775	Ant1	13.717	1.33	15.047	30	Pass
NVNT	n20	5745	Ant1	15.045	0.13	15.175	30	Pass
NVNT	n20	5785	Ant1	14.532	0.13	14.662	30	Pass
NVNT	n20	5825	Ant1	15.177	0.13	15.307	30	Pass
NVNT	n40	5755	Ant1	14.875	0.26	15.135	30	Pass
NVNT	n40	5795	Ant1	14.822	0.32	15.142	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant2	14.363	0.87	15.233	30	Pass
NVNT	a	5785	Ant2	13.863	0.87	14.733	30	Pass
NVNT	a	5825	Ant2	14.248	1.12	15.368	30	Pass
NVNT	ac20	5745	Ant2	15.013	0.25	15.263	30	Pass
NVNT	ac20	5785	Ant2	12.648	0.25	12.898	30	Pass
NVNT	ac20	5825	Ant2	13.012	0.25	13.262	30	Pass
NVNT	ac40	5755	Ant2	12.987	0.47	13.457	30	Pass
NVNT	ac40	5795	Ant2	12.682	0.47	13.152	30	Pass
NVNT	ac80	5775	Ant2	12.56	1.06	13.62	30	Pass
NVNT	ax20	5745	Ant2	13.342	0.35	13.692	30	Pass
NVNT	ax20	5785	Ant2	12.536	0.35	12.886	30	Pass
NVNT	ax20	5825	Ant2	12.874	0.35	13.224	30	Pass
NVNT	ax40	5755	Ant2	12.865	0.82	13.685	30	Pass
NVNT	ax40	5795	Ant2	12.465	0.64	13.105	30	Pass
NVNT	ax80	5775	Ant2	12.002	1.09	13.092	30	Pass
NVNT	n20	5745	Ant2	15.098	0.13	15.228	30	Pass
NVNT	n20	5785	Ant2	14.566	0.13	14.696	30	Pass
NVNT	n20	5825	Ant2	15.125	0.16	15.285	30	Pass
NVNT	n40	5755	Ant2	15.167	0.26	15.427	30	Pass
NVNT	n40	5795	Ant2	15.268	0.32	15.588	30	Pass

MIMO

Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
ac20	5745	Ant1+2	18.24	30	Pass
ac20	5785	Ant1+2	16.89	30	Pass
ac20	5825	Ant1+2	17.41	30	Pass
ac40	5755	Ant1+2	17.43	30	Pass
ac40	5795	Ant1+2	17.21	30	Pass
ac80	5775	Ant1+2	17.46	30	Pass
ax20	5745	Ant1+2	17.50	30	Pass
ax20	5785	Ant1+2	16.88	30	Pass
ax20	5825	Ant1+2	17.28	30	Pass
ax40	5755	Ant1+2	17.41	30	Pass
ax40	5795	Ant1+2	17.15	30	Pass
ax80	5775	Ant1+2	17.19	30	Pass
n20	5745	Ant1+2	18.21	30	Pass
n20	5785	Ant1+2	17.69	30	Pass
n20	5825	Ant1+2	18.31	30	Pass
n40	5755	Ant1+2	18.29	30	Pass
n40	5795	Ant1+2	18.38	30	Pass

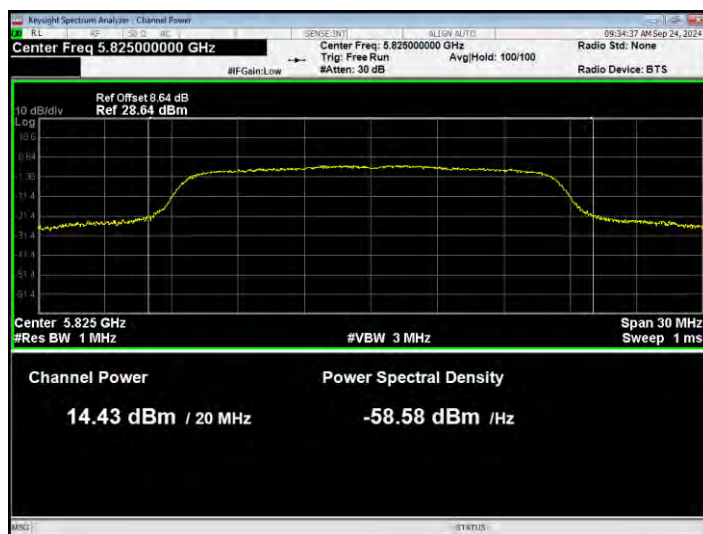
Power NVNT a 5745MHz Ant1



Power NVNT a 5785MHz Ant1



Power NVNT a 5825MHz Ant1



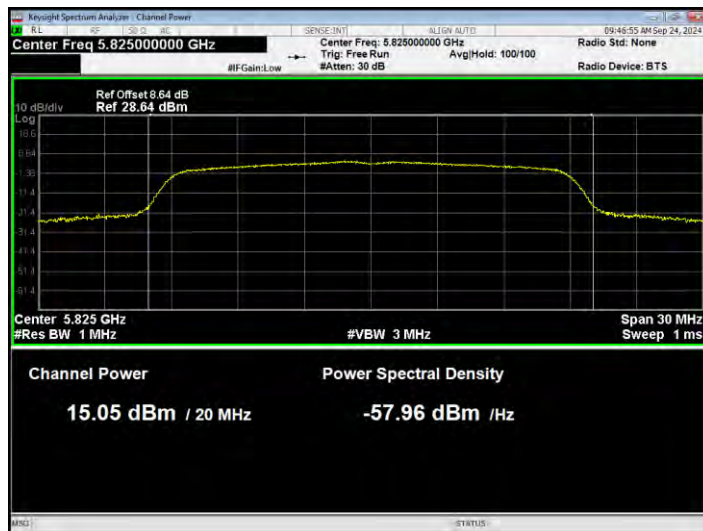
Power NVNT ac20 5745MHz Ant1



Power NVNT ac20 5785MHz Ant1



Power NVNT ac20 5825MHz Ant1



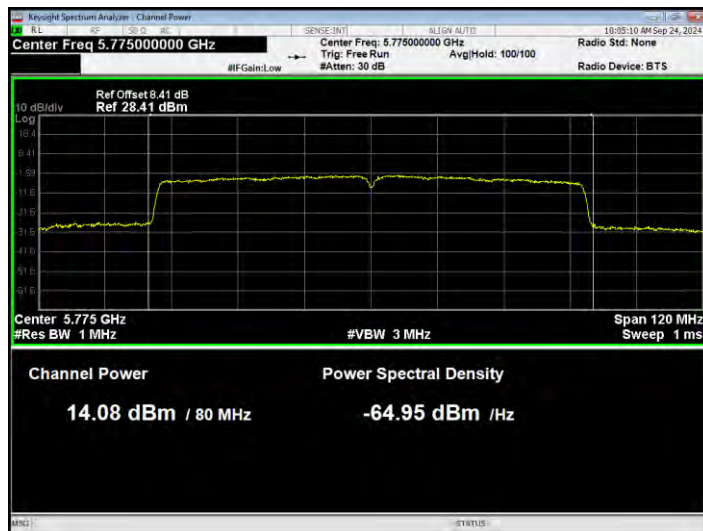
Power NVNT ac40 5755MHz Ant1



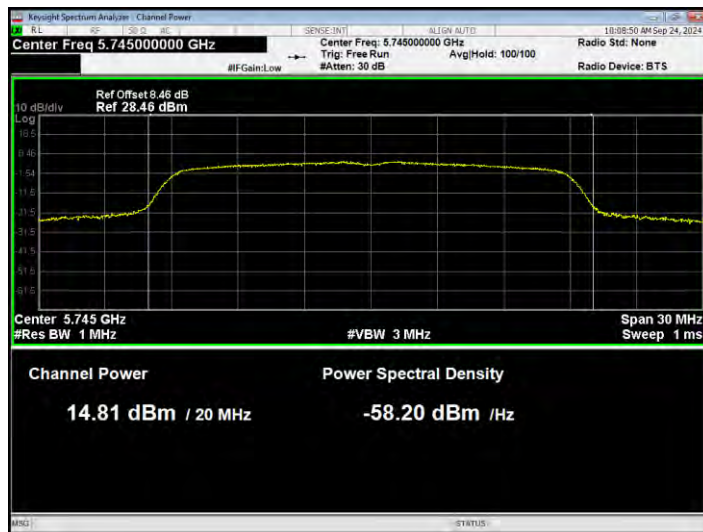
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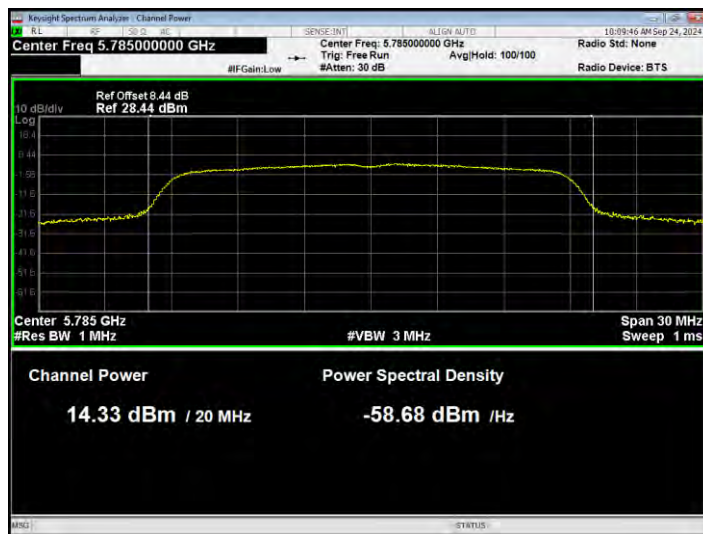
Power NVNT ac80 5775MHz Ant1



Power NVNT ax20 5745MHz Ant1



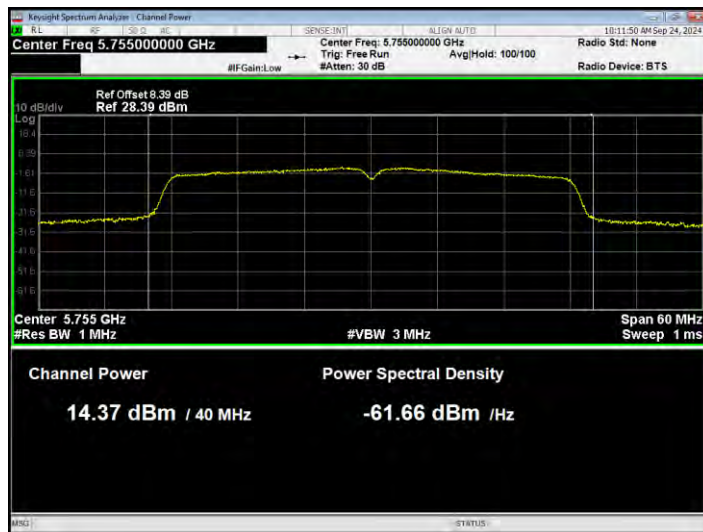
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Power NVNT ax20 5825MHz Ant1



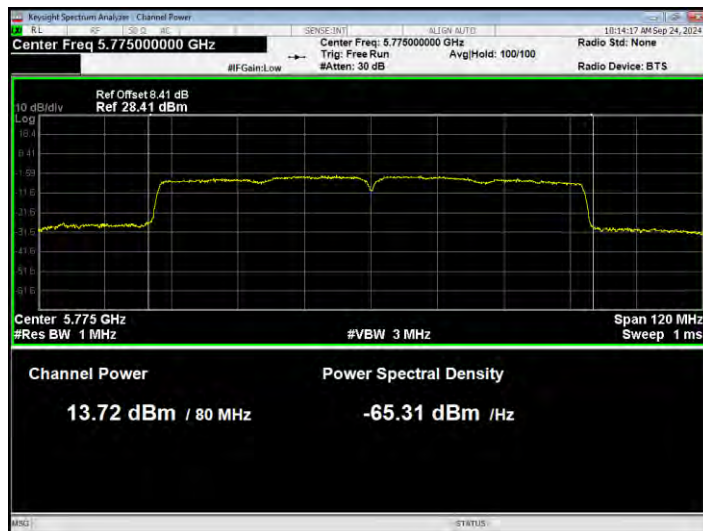
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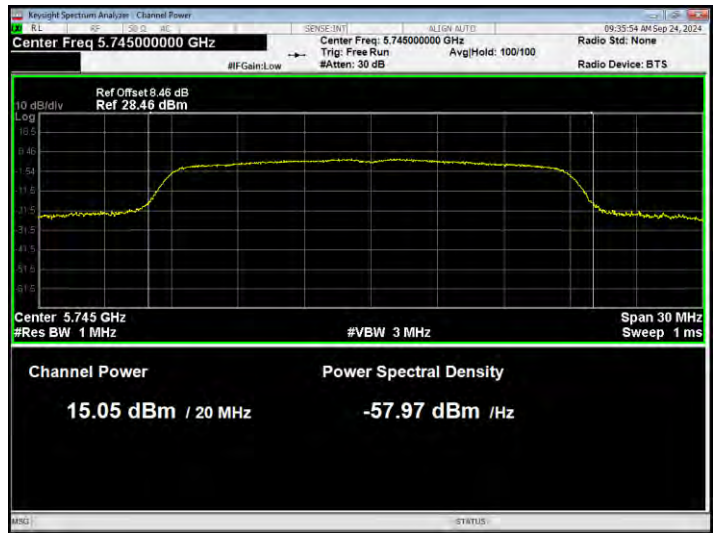
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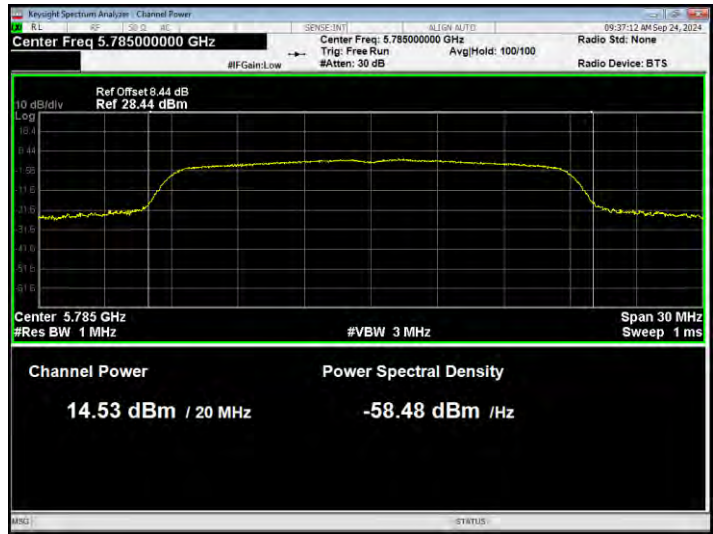
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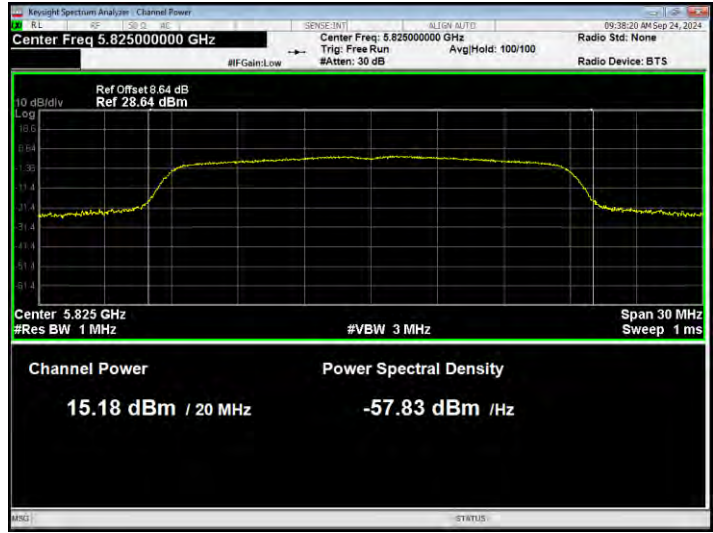
Power NVNT n20 5745MHz Ant1



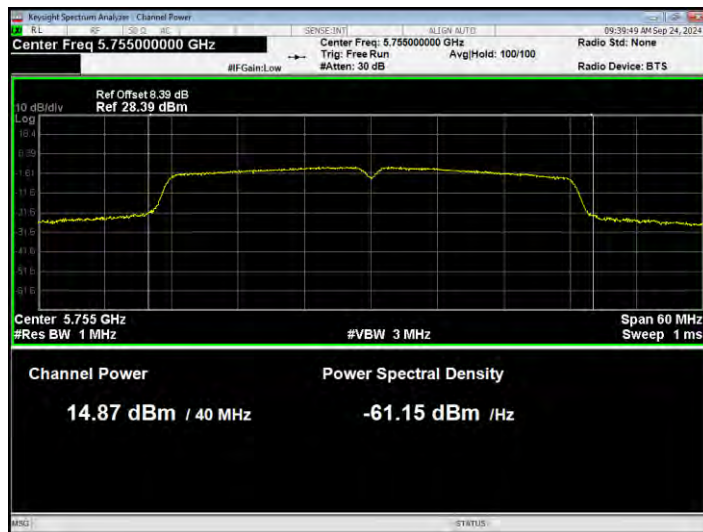
Power NVNT n20 5785MHz Ant1



Power NVNT n20 5825MHz Ant1



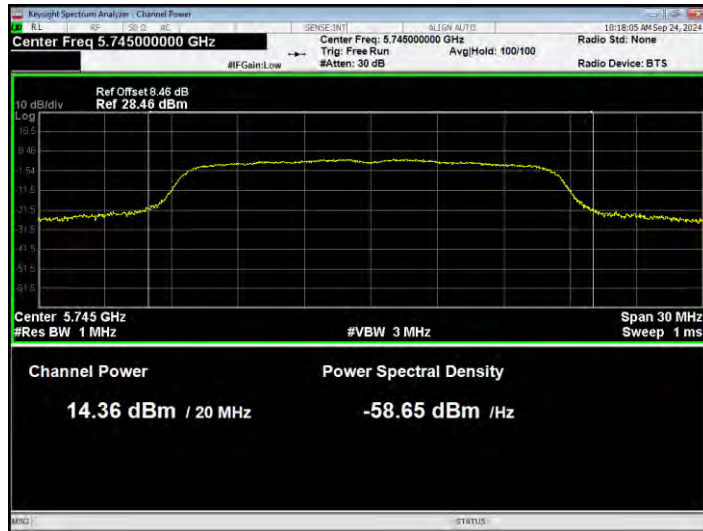
Power NVNT n40 5755MHz Ant1



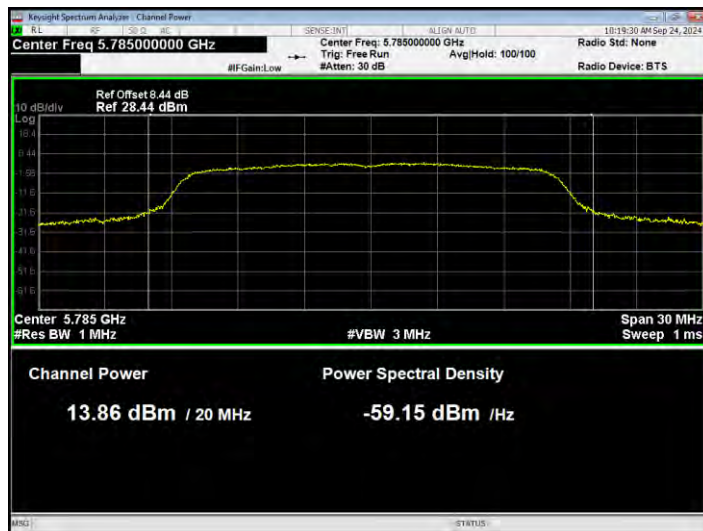
Power NVNT n40 5795MHz Ant1



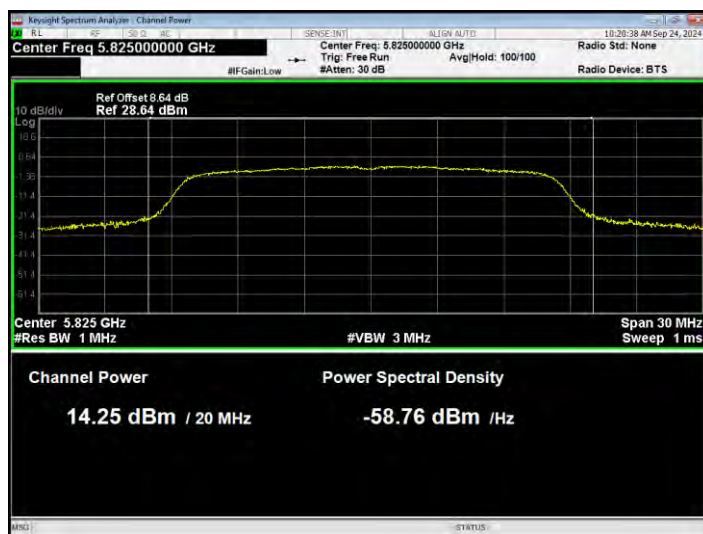
Power NVNT a 5745MHz Ant2



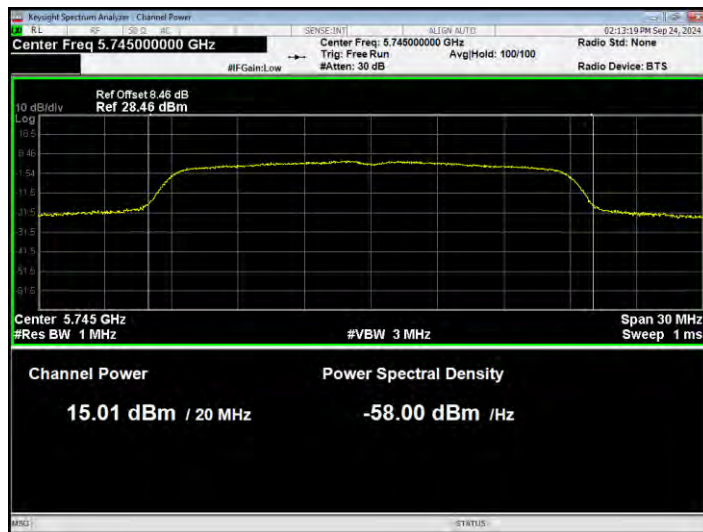
Power NVNT a 5785MHz Ant2



Power NVNT a 5825MHz Ant2



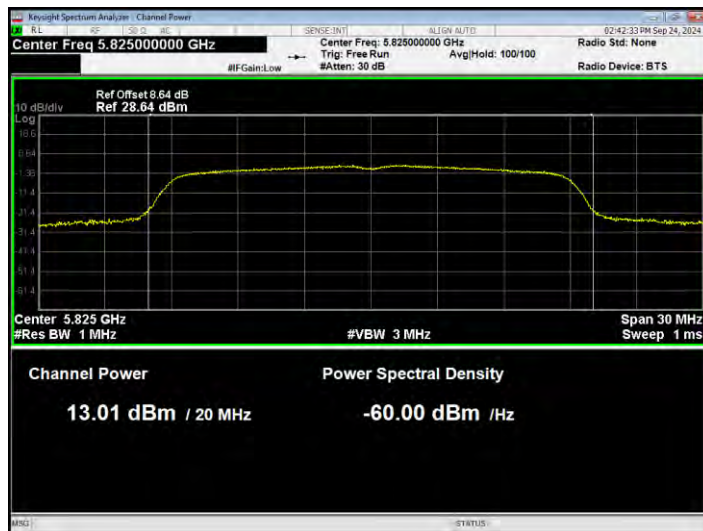
Power NVNT ac20 5745MHz Ant2



Power NVNT ac20 5785MHz Ant2



Power NVNT ac20 5825MHz Ant2



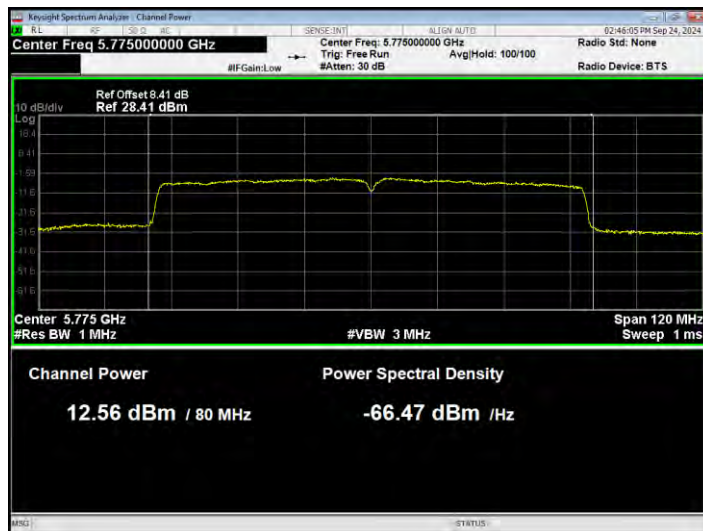
Power NVNT ac40 5755MHz Ant2



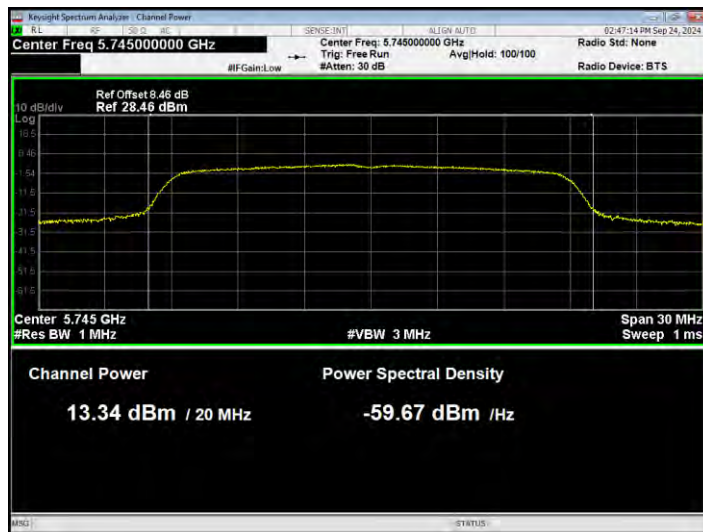
Power NVNT ac40 5795MHz Ant2



Power NVNT ac80 5775MHz Ant2



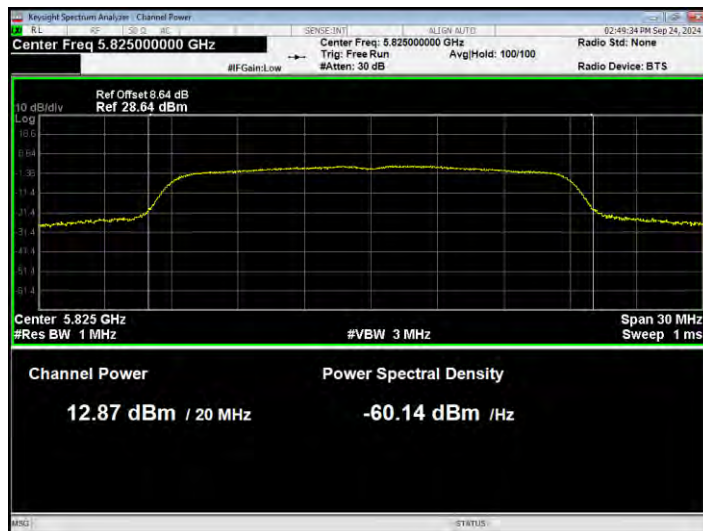
Power NVNT ax20 5745MHz Ant2



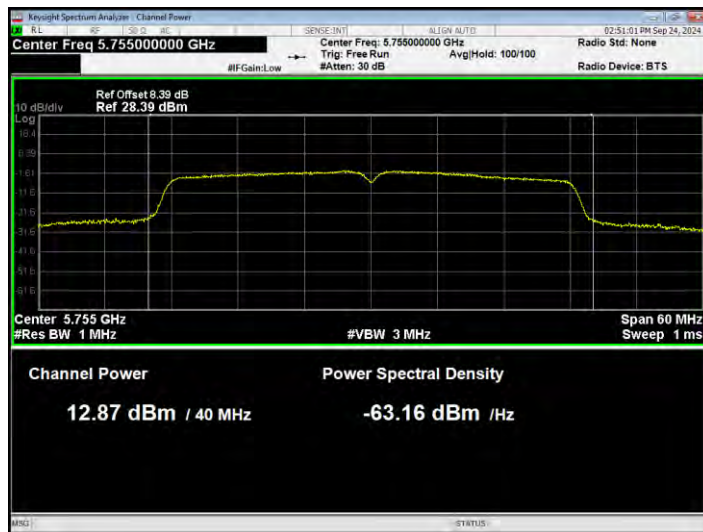
Power NVNT ax20 5785MHz Ant2



Power NVNT ax20 5825MHz Ant2



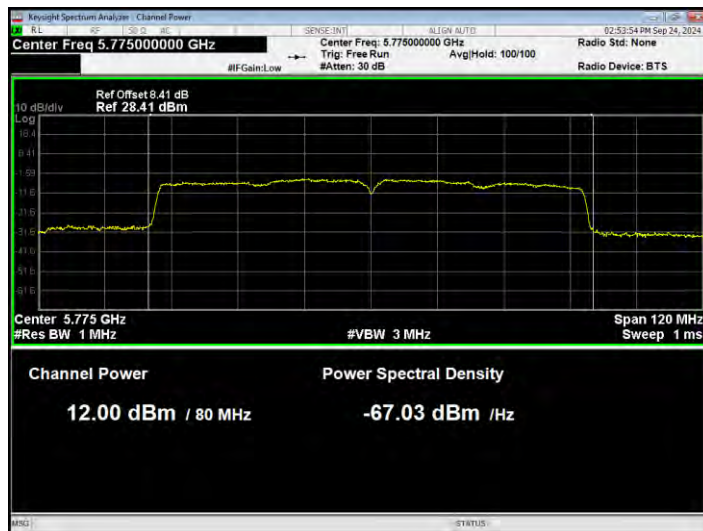
Power NVNT ax40 5755MHz Ant2



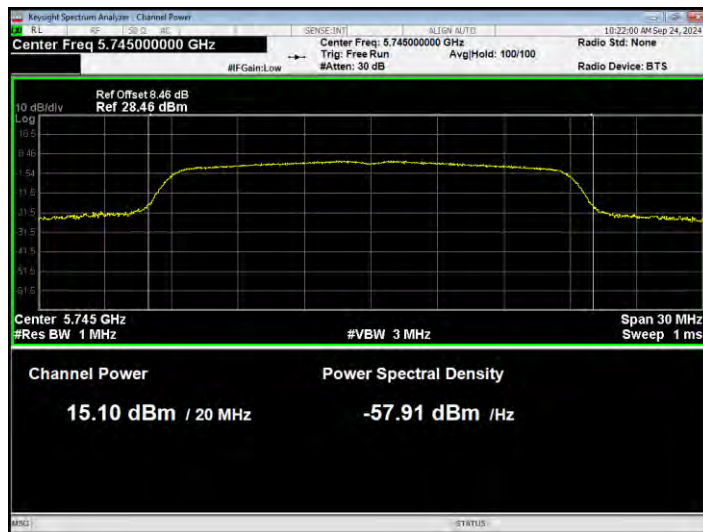
Power NVNT ax40 5795MHz Ant2



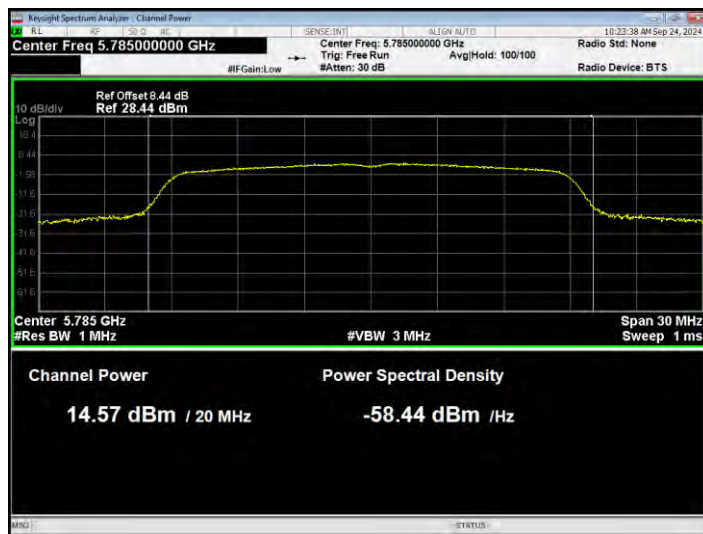
Power NVNT ax80 5775MHz Ant2



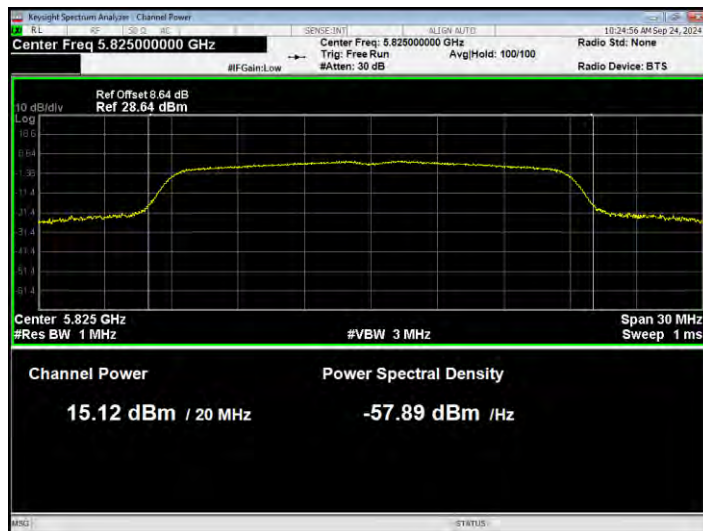
Power NVNT n20 5745MHz Ant2



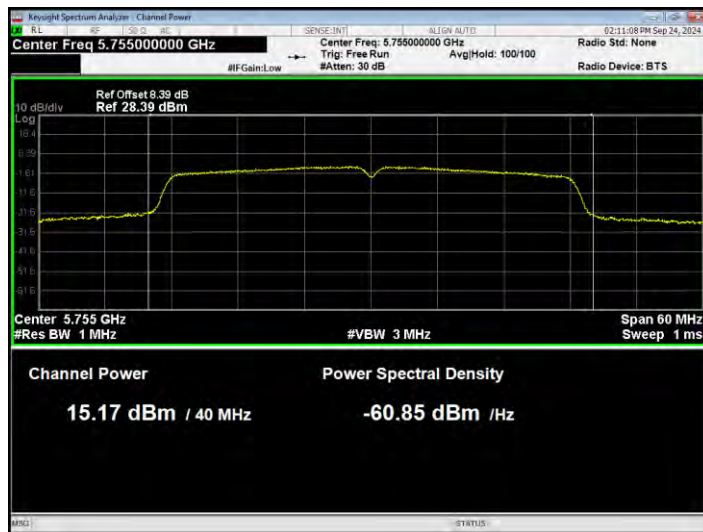
Power NVNT n20 5785MHz Ant2



Power NVNT n20 5825MHz Ant2



Power NVNT n40 5755MHz Ant2



Power NVNT n40 5795MHz Ant2

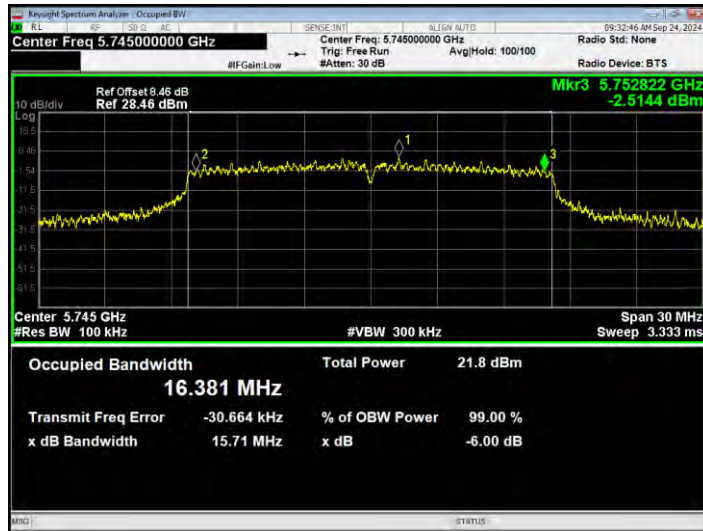


-6dB Bandwidth

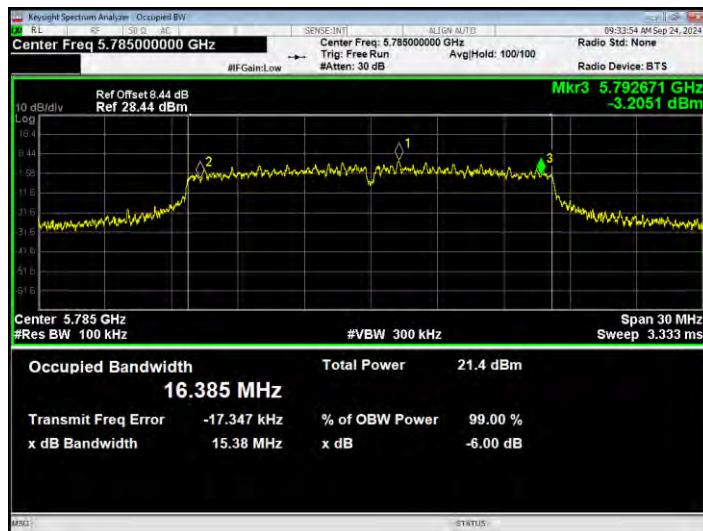
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.706	0.5	Pass
NVNT	a	5785	Ant1	15.377	0.5	Pass
NVNT	a	5825	Ant1	15.746	0.5	Pass
NVNT	ac20	5745	Ant1	15.416	0.5	Pass
NVNT	ac20	5785	Ant1	15.059	0.5	Pass
NVNT	ac20	5825	Ant1	15.018	0.5	Pass
NVNT	ac40	5755	Ant1	35.005	0.5	Pass
NVNT	ac40	5795	Ant1	35.036	0.5	Pass
NVNT	ac80	5775	Ant1	75.144	0.5	Pass
NVNT	ax20	5745	Ant1	15.015	0.5	Pass
NVNT	ax20	5785	Ant1	15.088	0.5	Pass
NVNT	ax20	5825	Ant1	15.1	0.5	Pass
NVNT	ax40	5755	Ant1	35.058	0.5	Pass
NVNT	ax40	5795	Ant1	35.097	0.5	Pass
NVNT	ax80	5775	Ant1	75.134	0.5	Pass
NVNT	n20	5745	Ant1	15.058	0.5	Pass
NVNT	n20	5785	Ant1	15.009	0.5	Pass
NVNT	n20	5825	Ant1	15.036	0.5	Pass
NVNT	n40	5755	Ant1	35.092	0.5	Pass
NVNT	n40	5795	Ant1	31.32	0.5	Pass

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant2	15.363	0.5	Pass
NVNT	a	5785	Ant2	15.114	0.5	Pass
NVNT	a	5825	Ant2	15.582	0.5	Pass
NVNT	ac20	5745	Ant2	16.024	0.5	Pass
NVNT	ac20	5785	Ant2	15.131	0.5	Pass
NVNT	ac20	5825	Ant2	15.991	0.5	Pass
NVNT	ac40	5755	Ant2	35.084	0.5	Pass
NVNT	ac40	5795	Ant2	35.07	0.5	Pass
NVNT	ac80	5775	Ant2	75.353	0.5	Pass
NVNT	ax20	5745	Ant2	15.07	0.5	Pass
NVNT	ax20	5785	Ant2	15.116	0.5	Pass
NVNT	ax20	5825	Ant2	15.126	0.5	Pass
NVNT	ax40	5755	Ant2	35.023	0.5	Pass
NVNT	ax40	5795	Ant2	35.02	0.5	Pass
NVNT	ax80	5775	Ant2	75.14	0.5	Pass
NVNT	n20	5745	Ant2	15.007	0.5	Pass
NVNT	n20	5785	Ant2	15.052	0.5	Pass
NVNT	n20	5825	Ant2	15.059	0.5	Pass
NVNT	n40	5755	Ant2	35.049	0.5	Pass
NVNT	n40	5795	Ant2	35.048	0.5	Pass

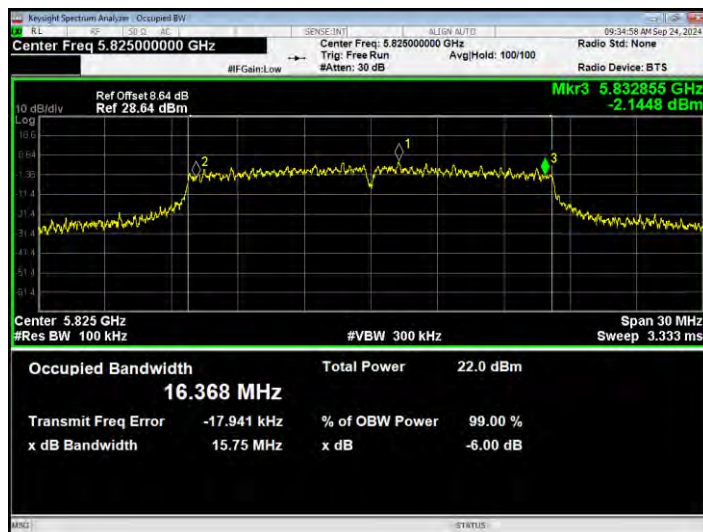
-6dB Bandwidth NVNT a 5745MHz Ant1



-6dB Bandwidth NVNT a 5785MHz Ant1



-6dB Bandwidth NVNT a 5825MHz Ant1



-6dB Bandwidth NVNT ac20 5745MHz Ant1



-6dB Bandwidth NVNT ac20 5785MHz Ant1



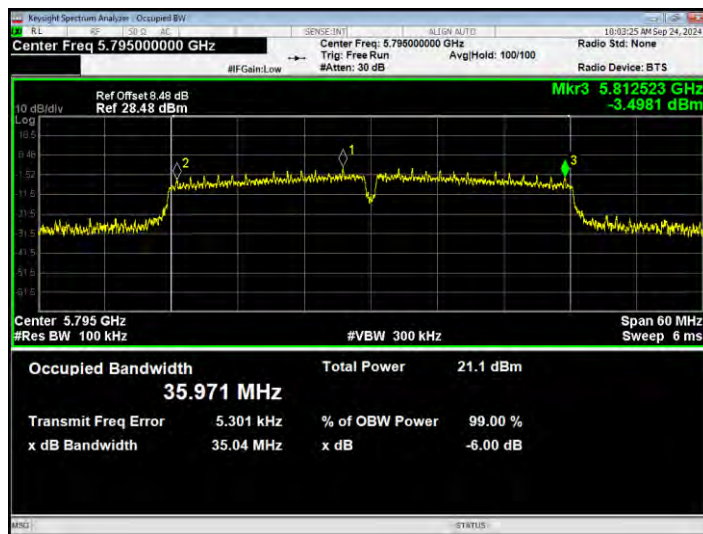
-6dB Bandwidth NVNT ac20 5825MHz Ant1



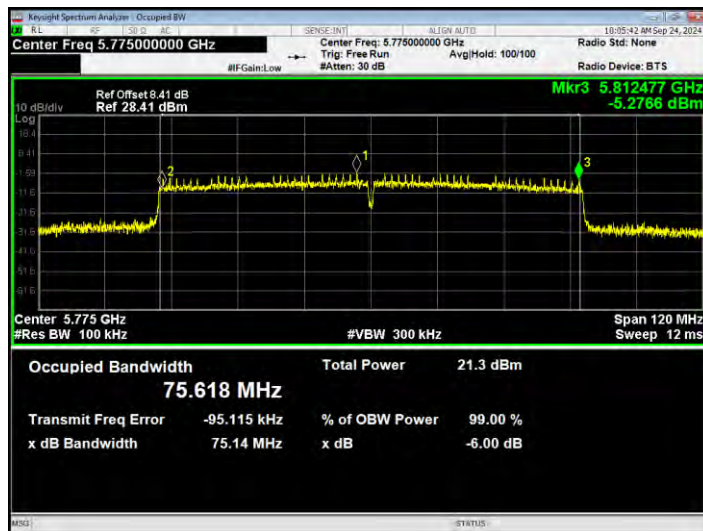
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1



-6dB Bandwidth NVNT ax20 5745MHz Ant1



-6dB Bandwidth NVNT ax20 5785MHz Ant1



-6dB Bandwidth NVNT ax20 5825MHz Ant1



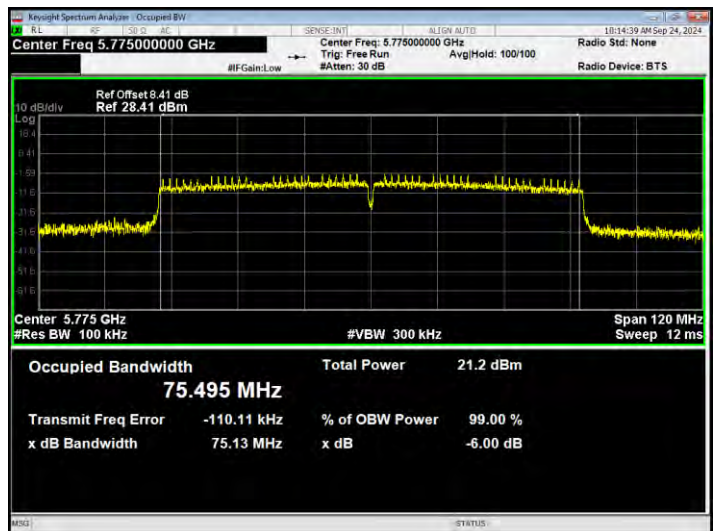
-6dB Bandwidth NVNT ax40 5755MHz Ant1



-6dB Bandwidth NVNT ax40 5795MHz Ant1



-6dB Bandwidth NVNT ax80 5775MHz Ant1



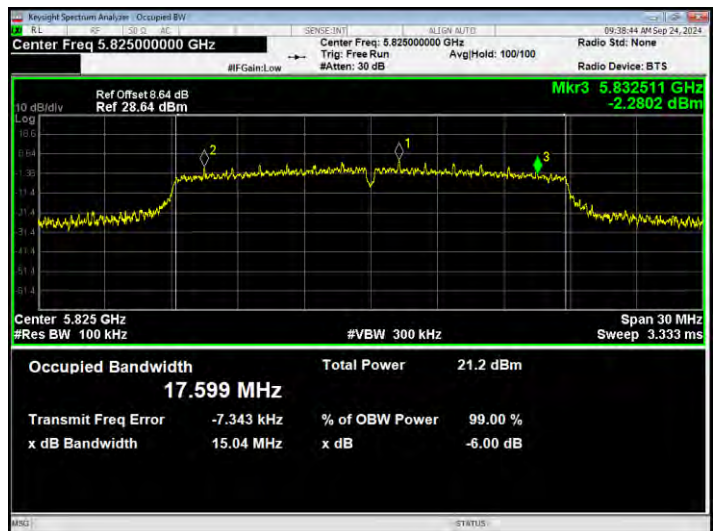
-6dB Bandwidth NVNT n20 5745MHz Ant1



-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1



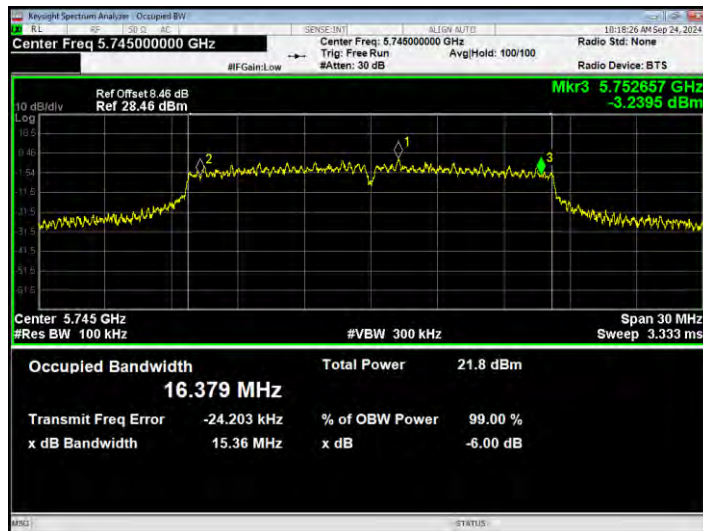
-6dB Bandwidth NVNT n40 5755MHz Ant1



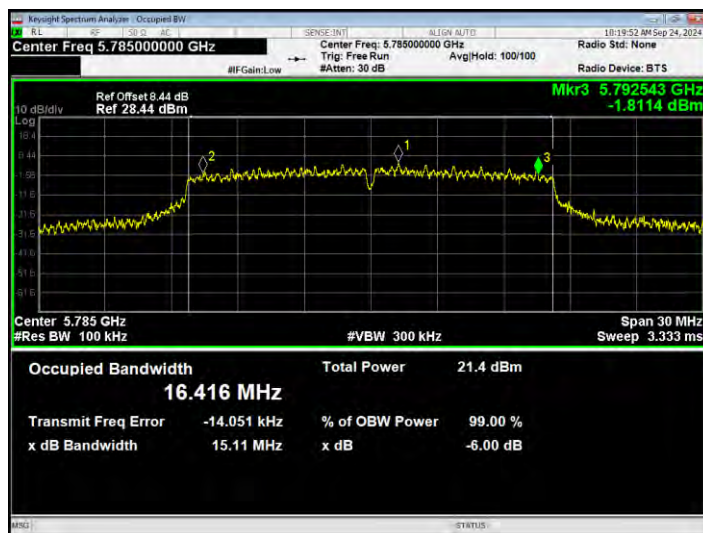
-6dB Bandwidth NVNT n40 5795MHz Ant1



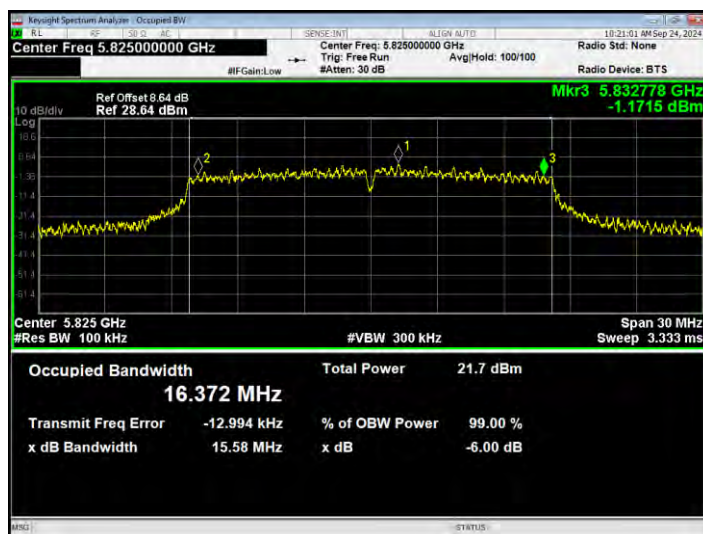
-6dB Bandwidth NVNT a 5745MHz Ant2



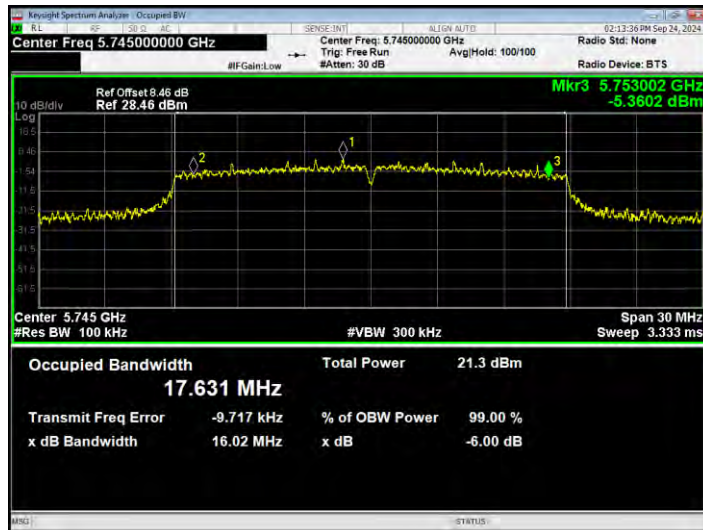
-6dB Bandwidth NVNT a 5785MHz Ant2



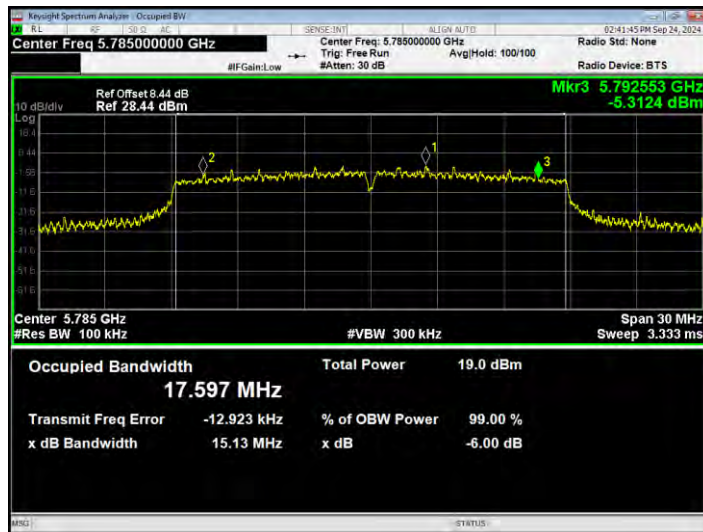
-6dB Bandwidth NVNT a 5825MHz Ant2



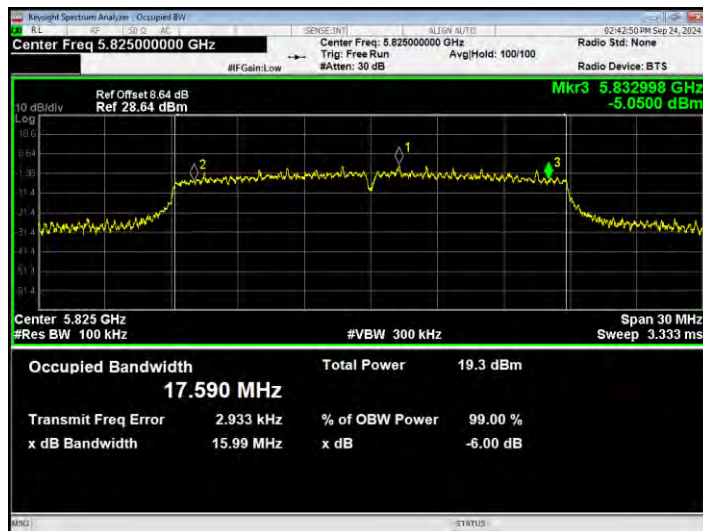
-6dB Bandwidth NVNT ac20 5745MHz Ant2



-6dB Bandwidth NVNT ac20 5785MHz Ant2



-6dB Bandwidth NVNT ac20 5825MHz Ant2



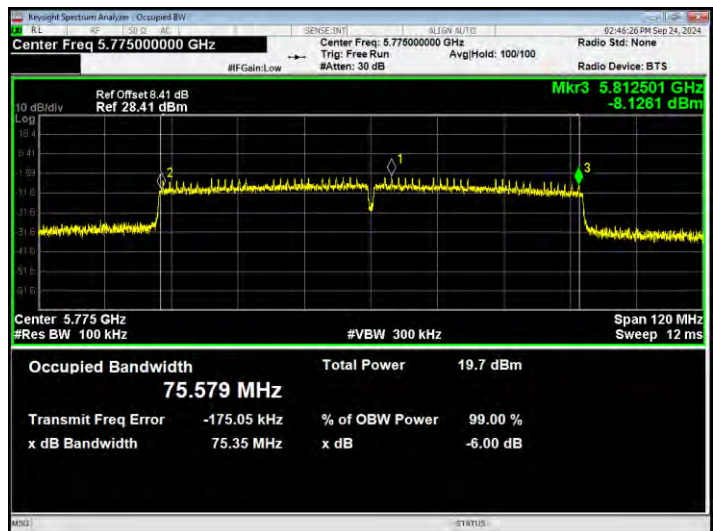
-6dB Bandwidth NVNT ac40 5755MHz Ant2



-6dB Bandwidth NVNT ac40 5795MHz Ant2



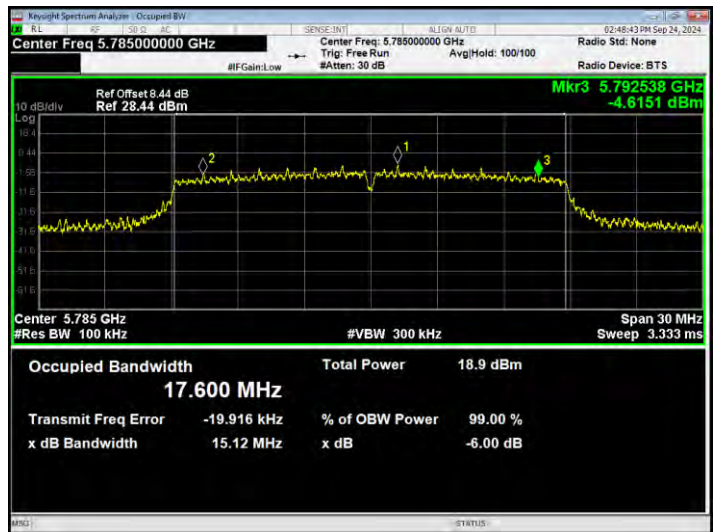
-6dB Bandwidth NVNT ac80 5775MHz Ant2



-6dB Bandwidth NVNT ax20 5745MHz Ant2



-6dB Bandwidth NVNT ax20 5785MHz Ant2



-6dB Bandwidth NVNT ax20 5825MHz Ant2



-6dB Bandwidth NVNT ax40 5755MHz Ant2



-6dB Bandwidth NVNT ax40 5795MHz Ant2



-6dB Bandwidth NVNT ax80 5775MHz Ant2



-6dB Bandwidth NVNT n20 5745MHz Ant2



-6dB Bandwidth NVNT n20 5785MHz Ant2



-6dB Bandwidth NVNT n20 5825MHz Ant2



-6dB Bandwidth NVNT n40 5755MHz Ant2



-6dB Bandwidth NVNT n40 5795MHz Ant2

