

Report No.: NCT26011421XE1-3
FCC ID:2BUXG-AL4MP401W
FCC_5.8G_WIFI (Part15.407) Test Data

RF Test Data

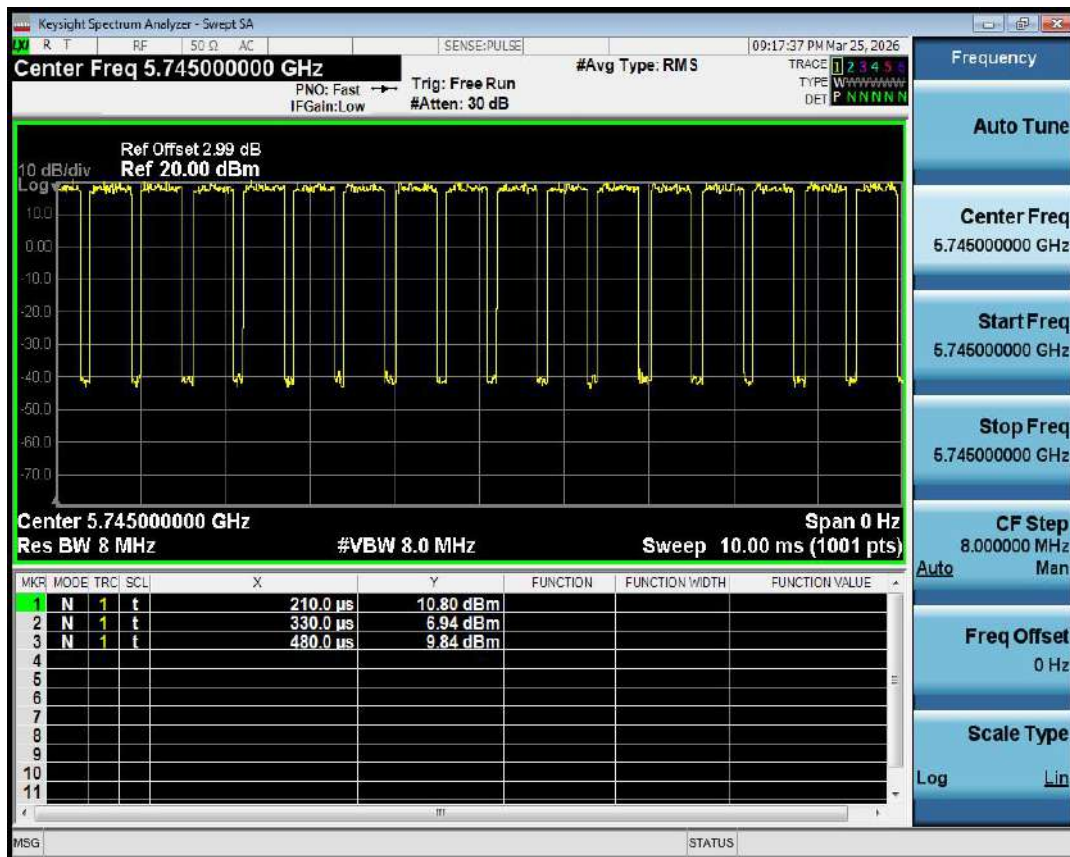
Duty Cycle	3
Maximum Conducted Output Power	13
-6dB Bandwidth	14
Occupied Channel Bandwidth	24
Maximum Power Spectral Density Level	34
Band Edge	44
Frequency Stability	52
Conducted RF Spurious Emission	62

260320 26011420X FCC ID WIFI 5.8

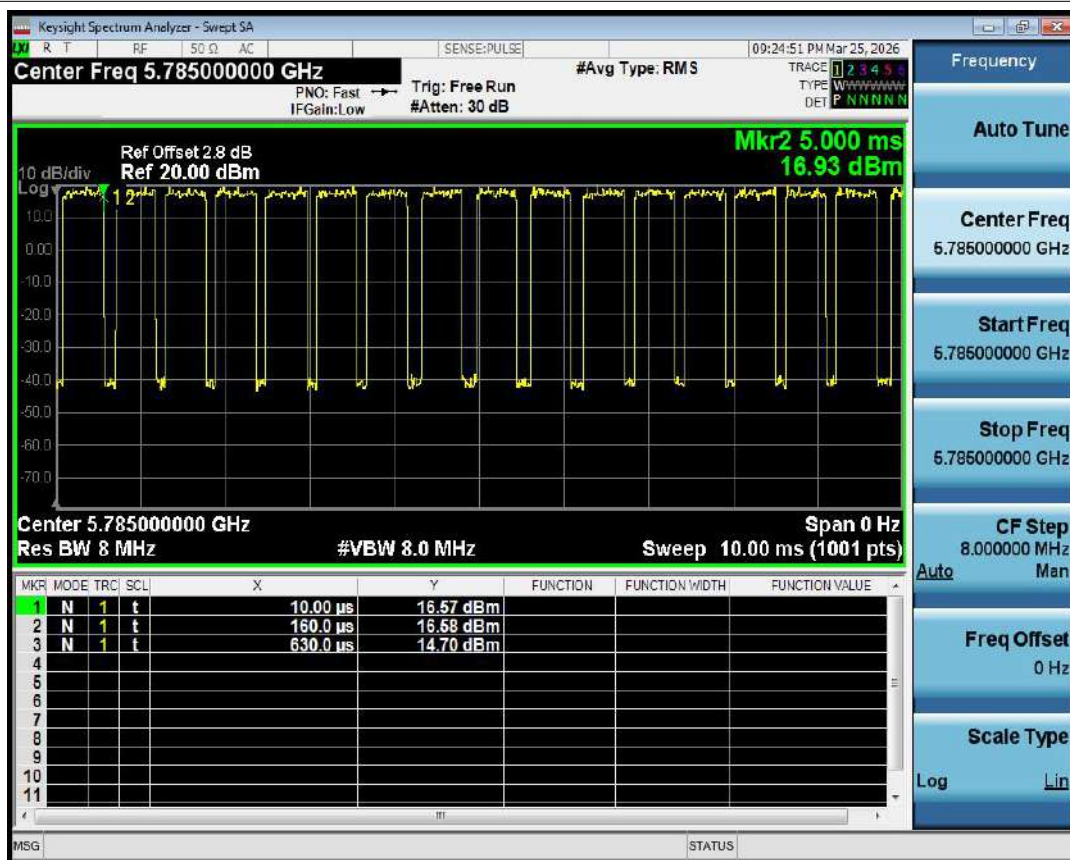
FCC_5.8G_WIFI (Part15.407) Test Data

Duty Cycle

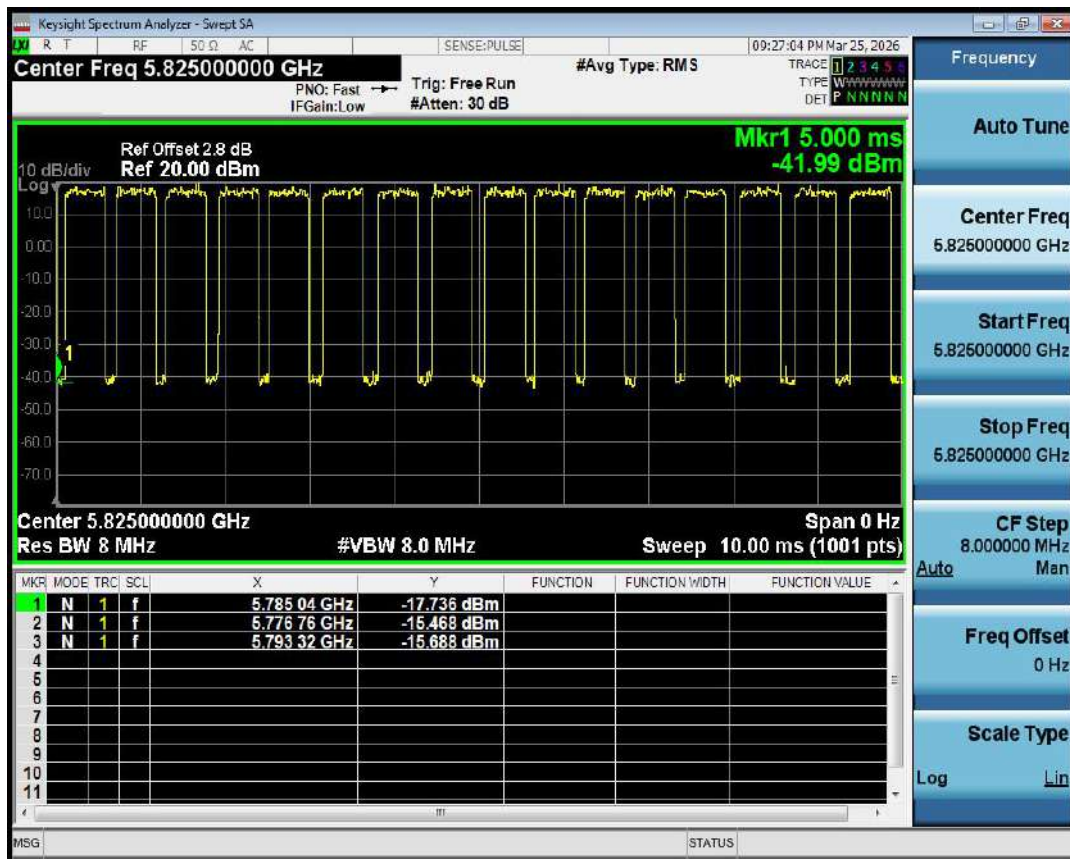
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	79.66	0.99	2.13
NVNT	a	5785	Ant1	74.19	1.3	2.17
NVNT	a	5825	Ant1	79.66	0.99	2.13
NVNT	n20	5745	Ant1	96.39	0.16	0.27
NVNT	n20	5785	Ant1	96.89	0.14	0.27
NVNT	n20	5825	Ant1	95.4	0.2	0.27
NVNT	n40	5755	Ant1	56.41	2.49	4.55
NVNT	n40	5795	Ant1	61.76	2.09	4.76
NVNT	ac20	5745	Ant1	95.9	0.18	0.27
NVNT	ac20	5785	Ant1	96.9	0.14	0.27
NVNT	ac20	5825	Ant1	96.64	0.15	0.27
NVNT	ac40	5755	Ant1	56.67	2.47	5.88
NVNT	ac40	5795	Ant1	58.06	2.36	5.56
NVNT	ax20	5745	Ant1	95.97	0.18	0.35
NVNT	ax20	5785	Ant1	95.65	0.19	0.35
NVNT	ax20	5825	Ant1	95.33	0.21	0.35
NVNT	ax40	5755	Ant1	51.85	2.85	7.14
NVNT	ax40	5795	Ant1	48.28	3.16	7.14



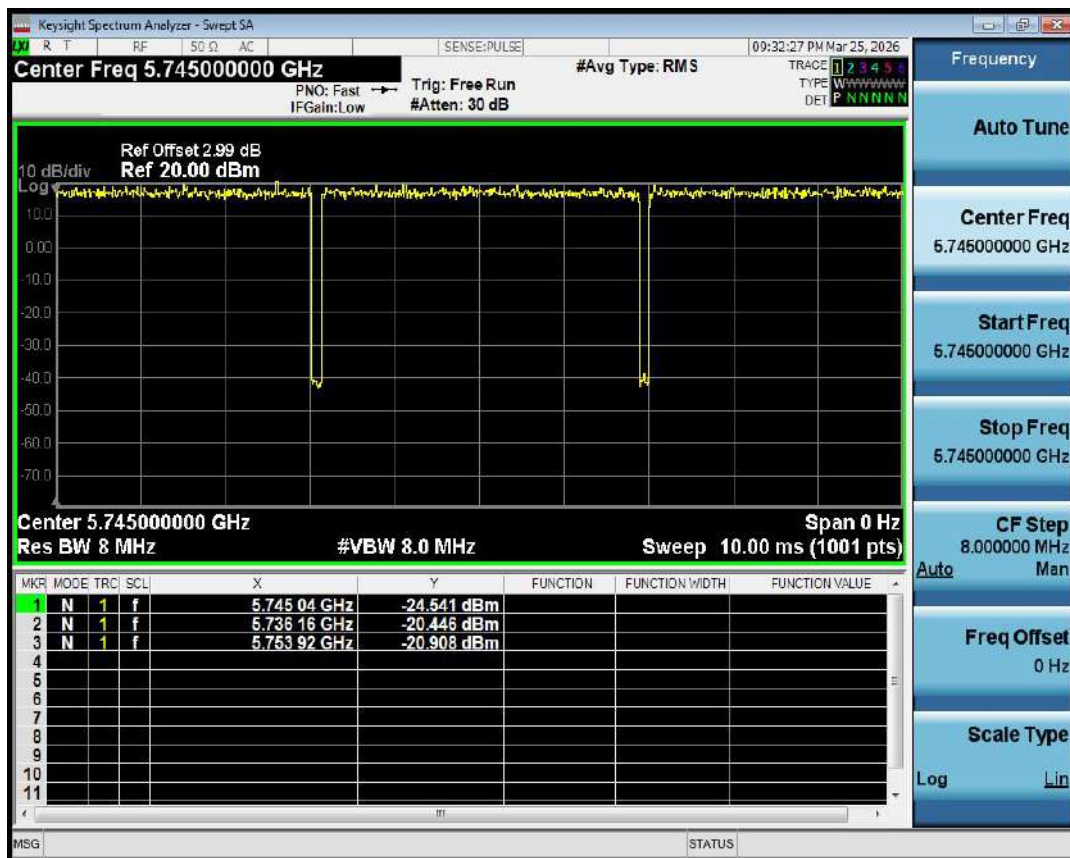
Duty Cycle NVNT a 5745MHz Ant1



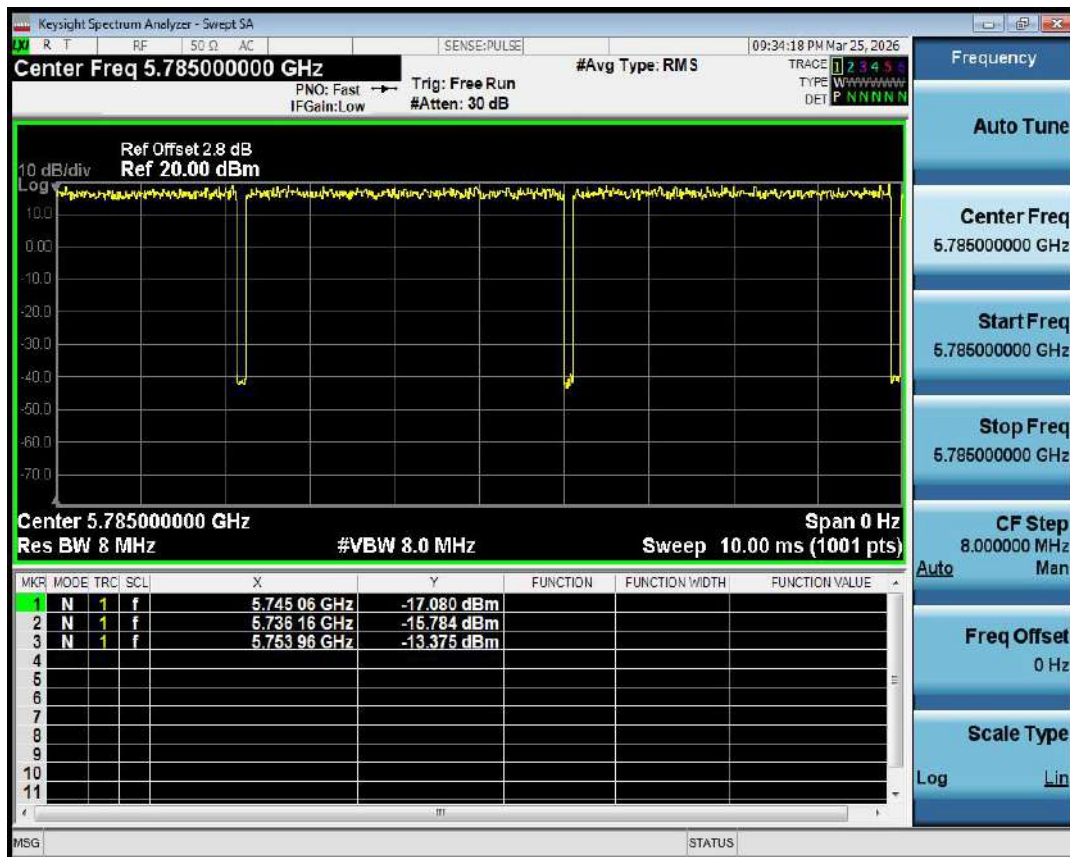
Duty Cycle NVNT a 5785MHz Ant1



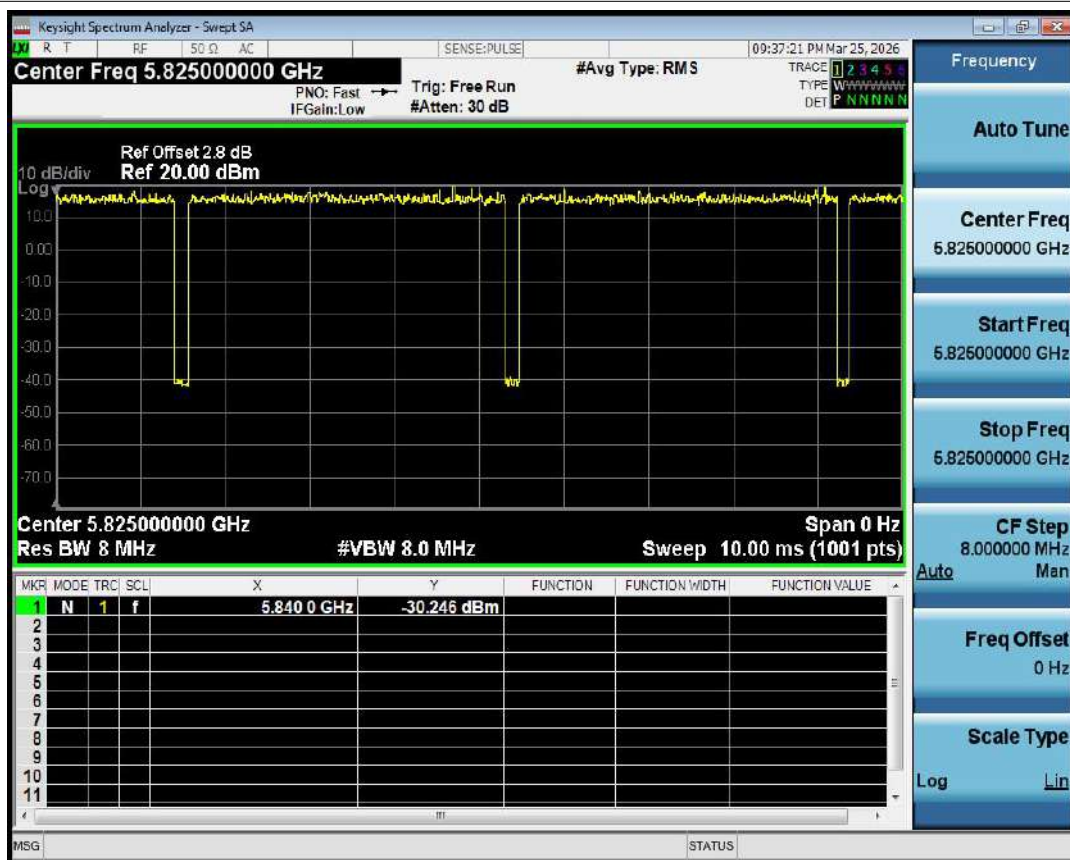
Duty Cycle NVNT a 5825MHz Ant1



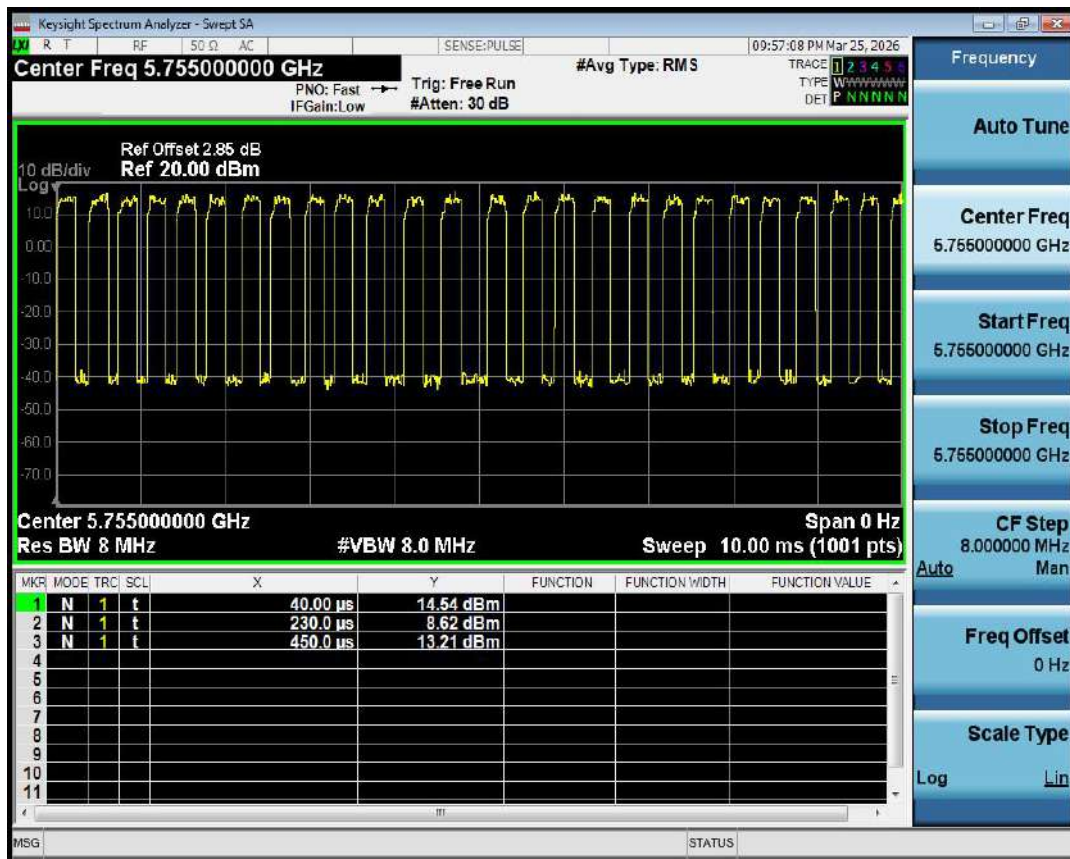
Duty Cycle NVNT n20 5745MHz Ant1



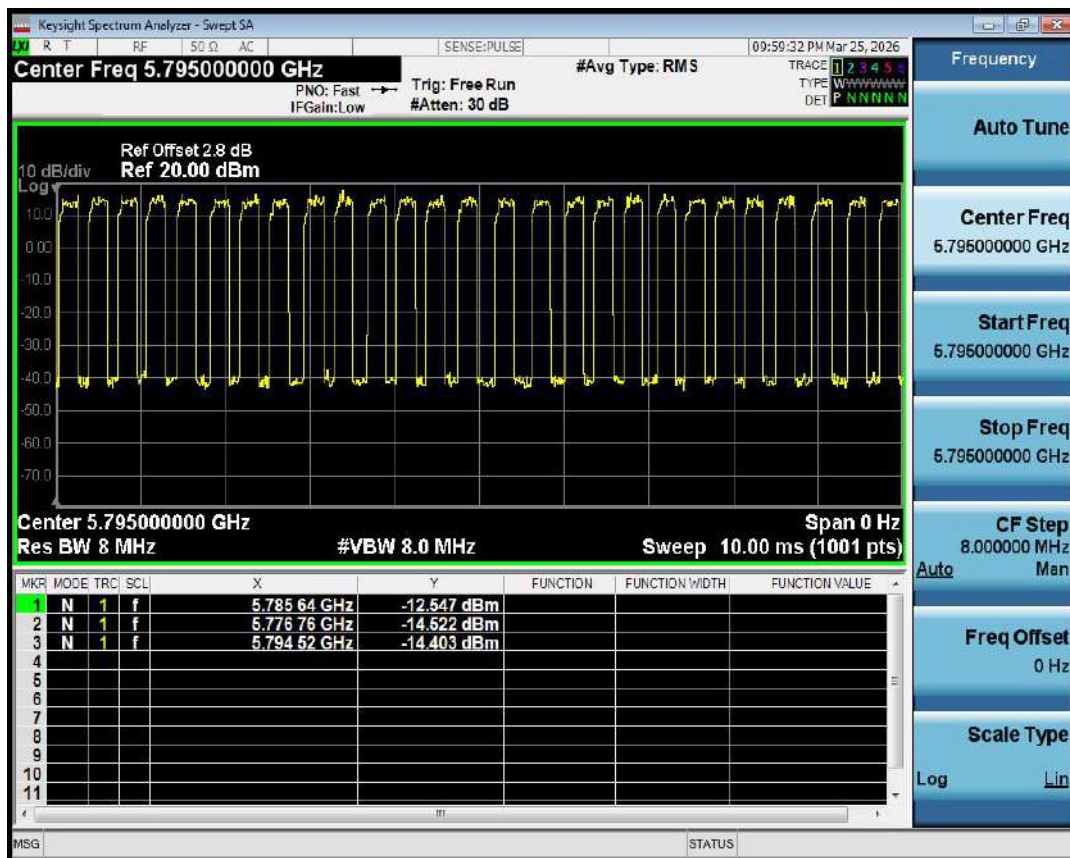
Duty Cycle NVNT n20 5785MHz Ant1



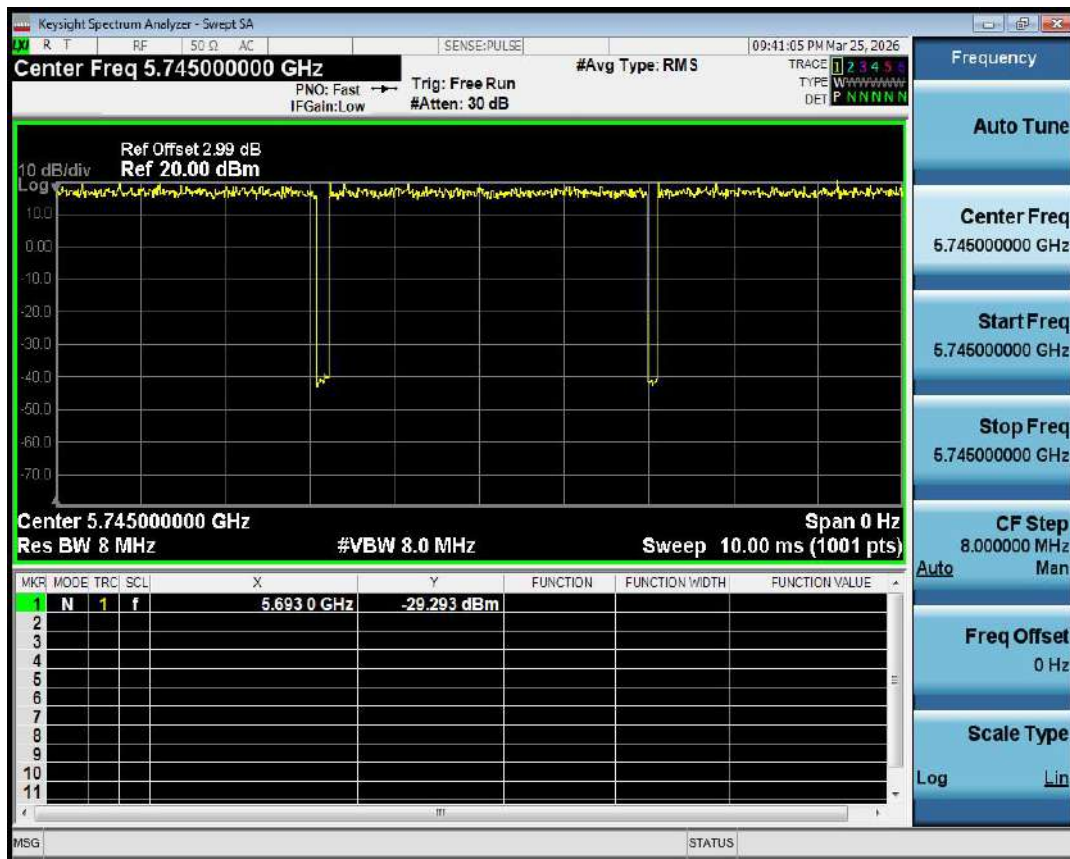
Duty Cycle NVNT n20 5825MHz Ant1



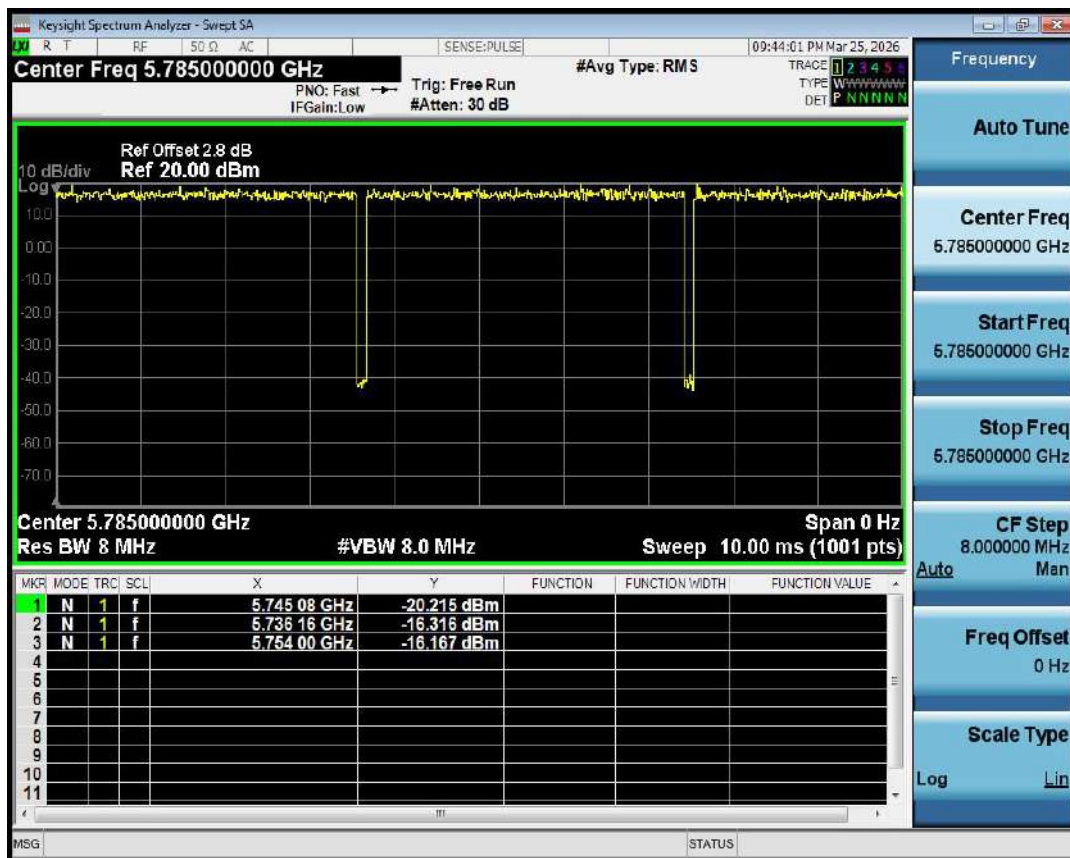
Duty Cycle NVNT n40 5755MHz Ant1



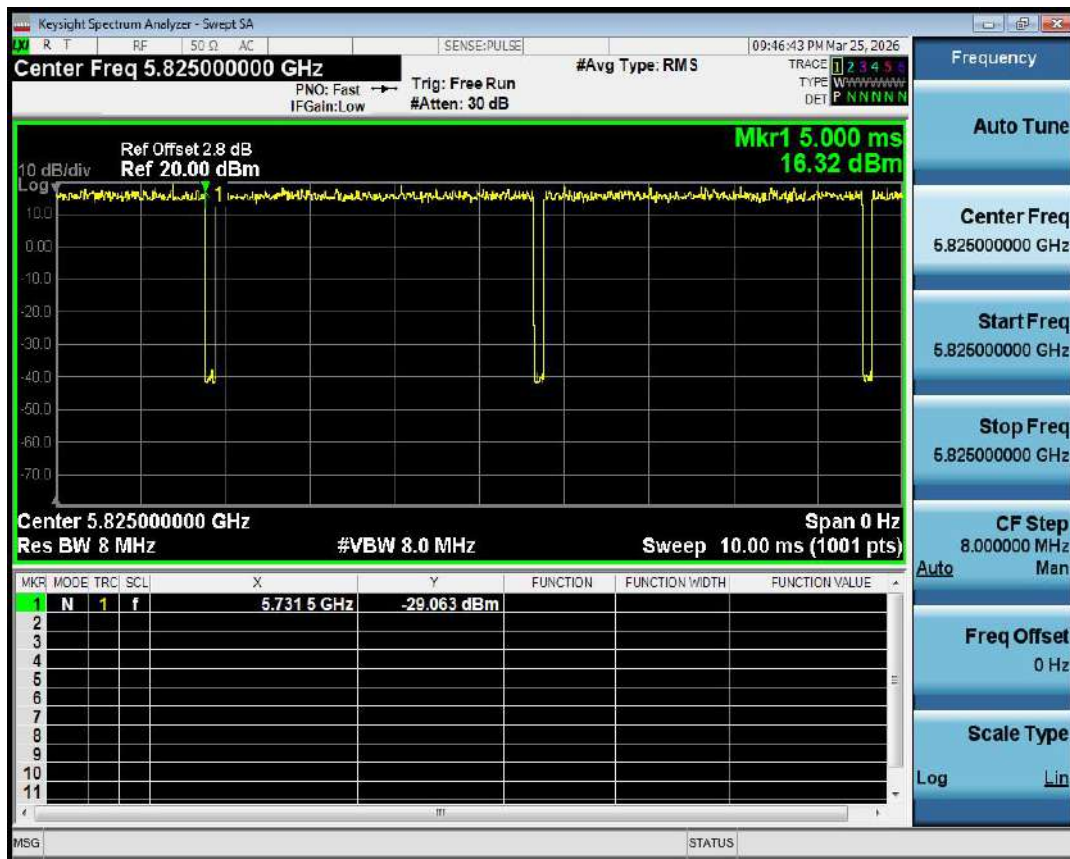
Duty Cycle NVNT n40 5795MHz Ant1



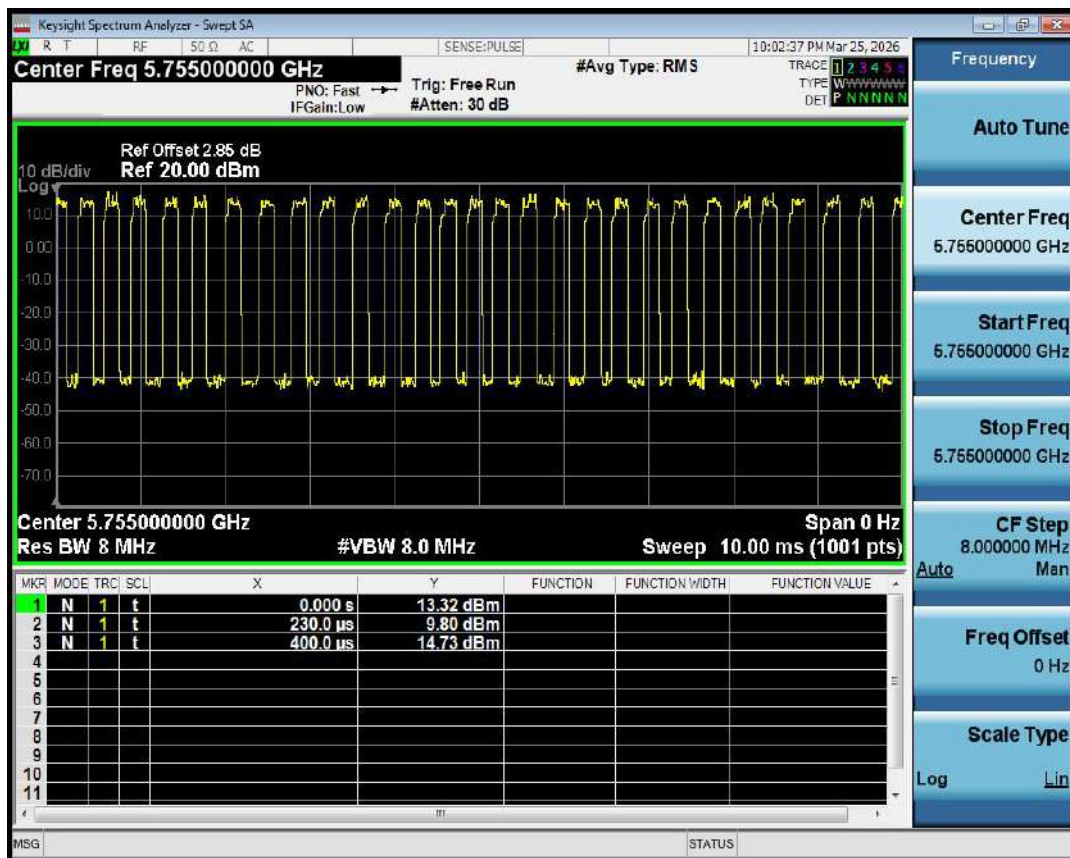
Duty Cycle NVNT ac20 5745MHz Ant1



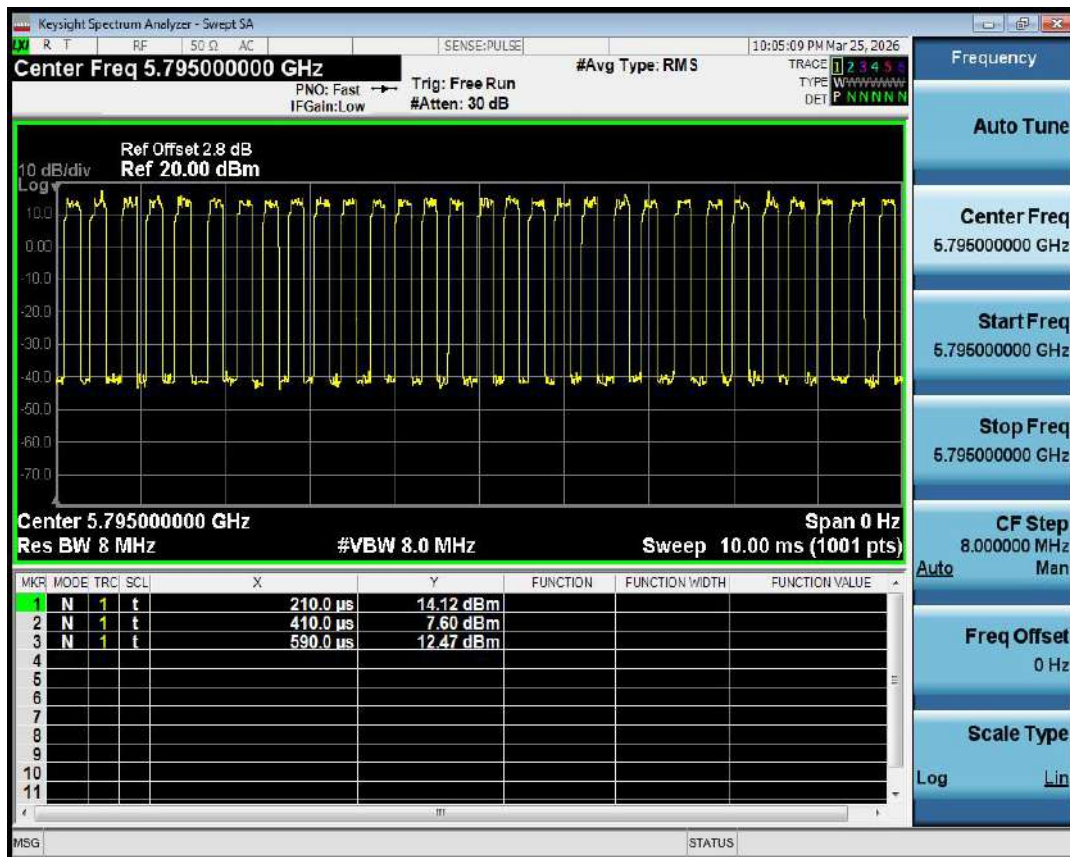
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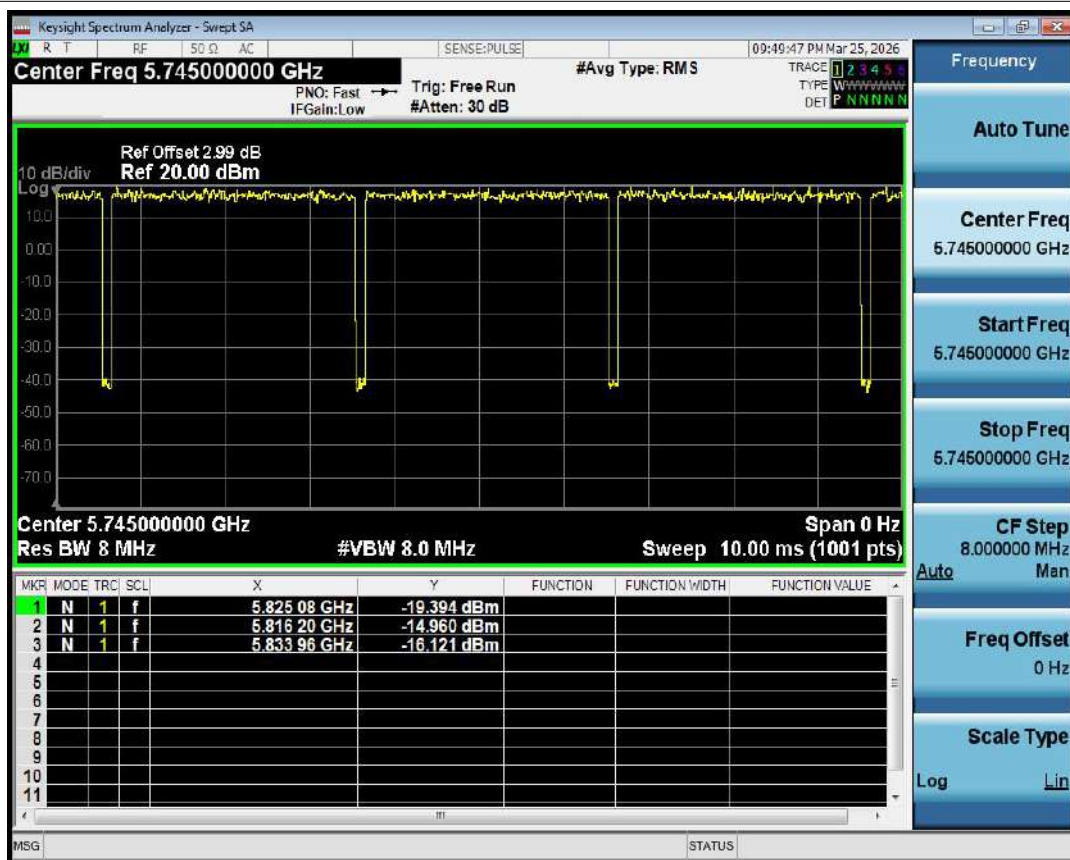
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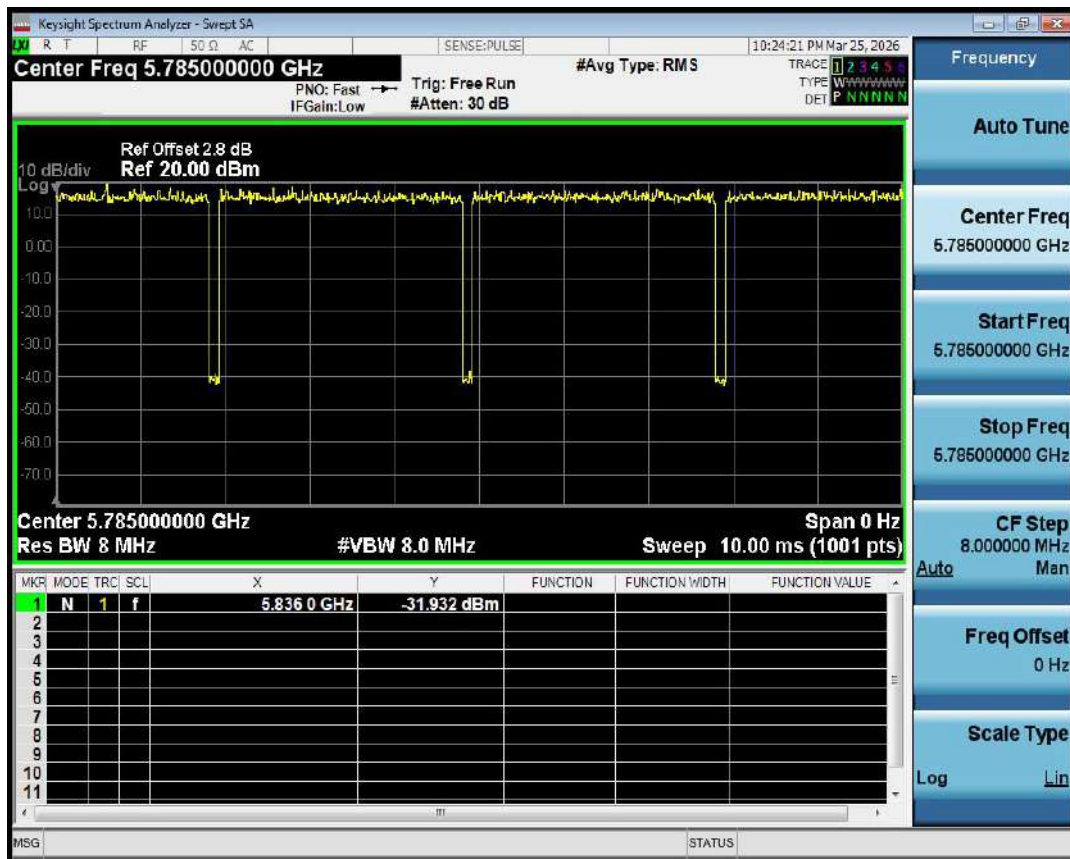
Duty Cycle NVNT ac40 5755MHz Ant1



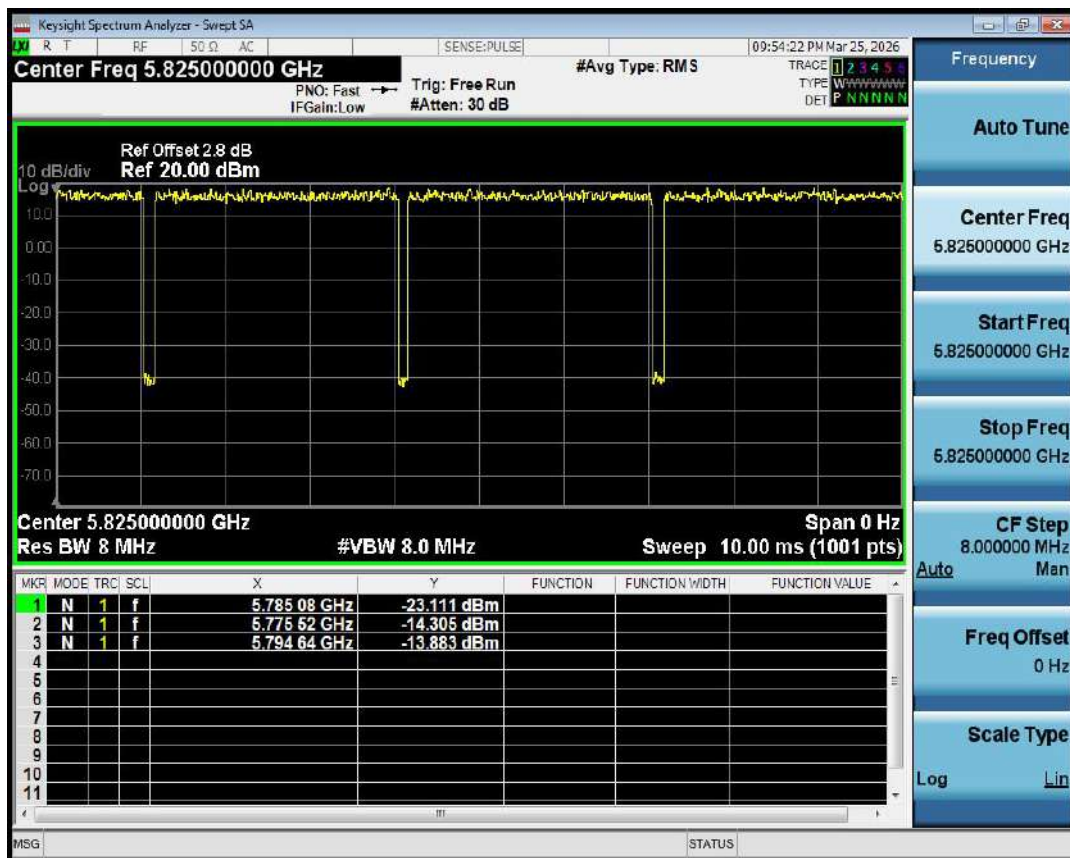
Duty Cycle NVNT ac40 5795MHz Ant1



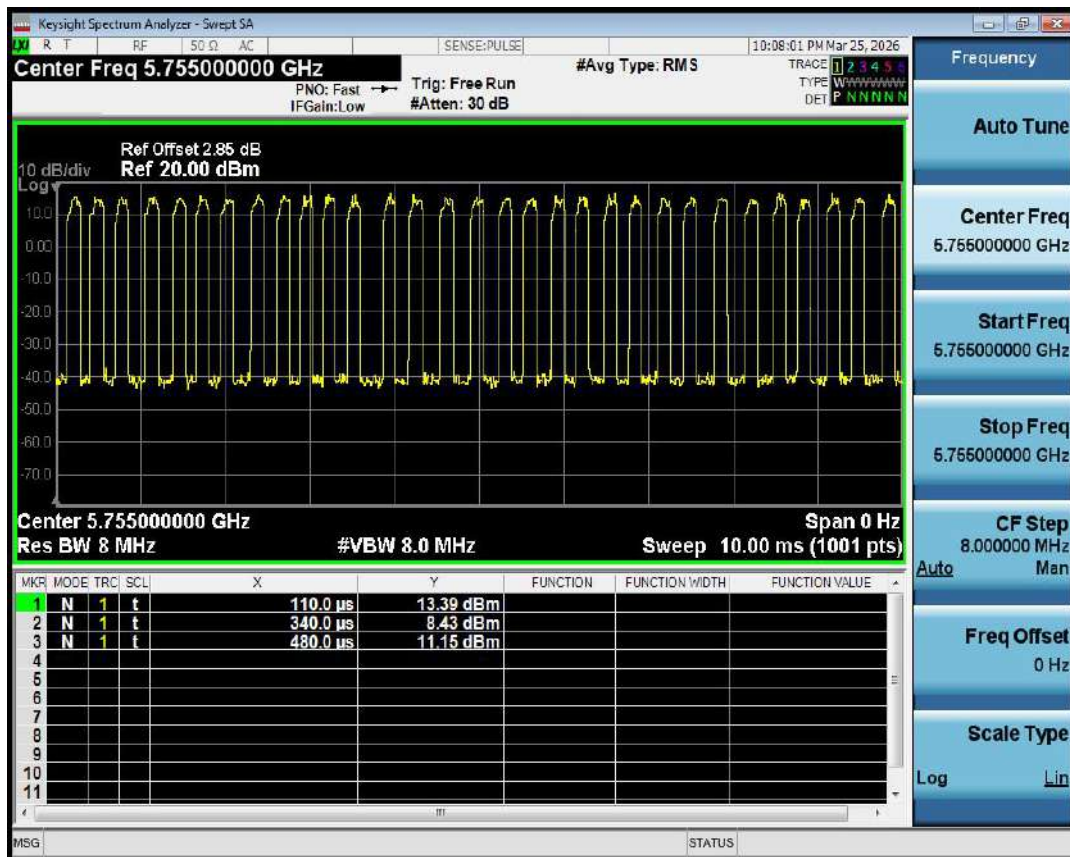
Duty Cycle NVNT ax20 5745MHz Ant1



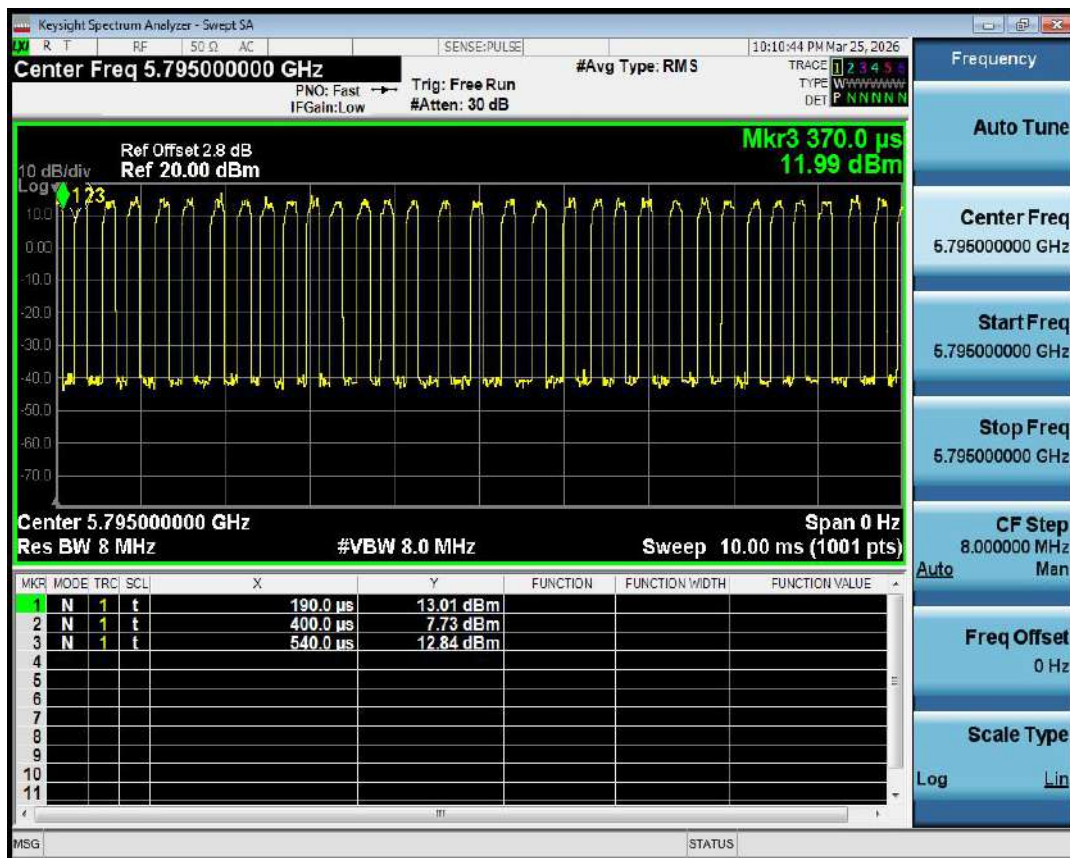
Duty Cycle NVNT ax20 5785MHz Ant1



Duty Cycle NVNT ax20 5825MHz Ant1



Duty Cycle NVNT ax40 5755MHz Ant1



Duty Cycle NVNT ax40 5795MHz Ant1

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	a	5745	Ant1	13.56	0.99	14.55	0.02851	30	Pass
NVNT	a	5785	Ant1	12.87	1.3	14.17	0.02612	30	Pass
NVNT	a	5825	Ant1	12.07	0.99	13.06	0.02023	30	Pass
NVNT	n20	5745	Ant1	13.6	0.16	13.76	0.02377	30	Pass
NVNT	n20	5785	Ant1	13.03	0.14	13.17	0.02075	30	Pass
NVNT	n20	5825	Ant1	12.12	0.2	12.32	0.01706	30	Pass
NVNT	n40	5755	Ant1	11.67	2.49	14.16	0.02606	30	Pass
NVNT	n40	5795	Ant1	11.48	2.09	13.57	0.02275	30	Pass
NVNT	ac20	5745	Ant1	13.54	0.18	13.72	0.02355	30	Pass
NVNT	ac20	5785	Ant1	12.94	0.14	13.08	0.02032	30	Pass
NVNT	ac20	5825	Ant1	12.05	0.15	12.2	0.0166	30	Pass
NVNT	ac40	5755	Ant1	10.87	2.47	13.34	0.02158	30	Pass
NVNT	ac40	5795	Ant1	10.2	2.36	12.56	0.01803	30	Pass
NVNT	ax20	5745	Ant1	13.48	0.18	13.66	0.02323	30	Pass
NVNT	ax20	5785	Ant1	11.4	0.19	11.59	0.01442	30	Pass
NVNT	ax20	5825	Ant1	12.31	0.21	12.52	0.01786	30	Pass
NVNT	ax40	5755	Ant1	10.44	2.85	13.29	0.02133	30	Pass
NVNT	ax40	5795	Ant1	9.73	3.16	12.89	0.01945	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.46	0.5	Pass
NVNT	a	5785	Ant1	16.48	0.5	Pass
NVNT	a	5825	Ant1	16.44	0.5	Pass
NVNT	n20	5745	Ant1	17.6	0.5	Pass
NVNT	n20	5785	Ant1	17.59	0.5	Pass
NVNT	n20	5825	Ant1	17.6	0.5	Pass
NVNT	n40	5755	Ant1	36.42	0.5	Pass
NVNT	n40	5795	Ant1	36.4	0.5	Pass
NVNT	ac20	5745	Ant1	17.64	0.5	Pass
NVNT	ac20	5785	Ant1	17.6	0.5	Pass
NVNT	ac20	5825	Ant1	17.59	0.5	Pass
NVNT	ac40	5755	Ant1	36.46	0.5	Pass
NVNT	ac40	5795	Ant1	36.46	0.5	Pass
NVNT	ax20	5745	Ant1	18.97	0.5	Pass
NVNT	ax20	5785	Ant1	18.99	0.5	Pass
NVNT	ax20	5825	Ant1	18.93	0.5	Pass
NVNT	ax40	5755	Ant1	38.07	0.5	Pass
NVNT	ax40	5795	Ant1	38.04	0.5	Pass



-6dB Bandwidth NVNT a 5745MHz Ant1



-6dB Bandwidth NVNT a 5785MHz Ant1



-6dB Bandwidth NVNT a 5825MHz Ant1



-6dB Bandwidth NVNT n20 5745MHz Ant1



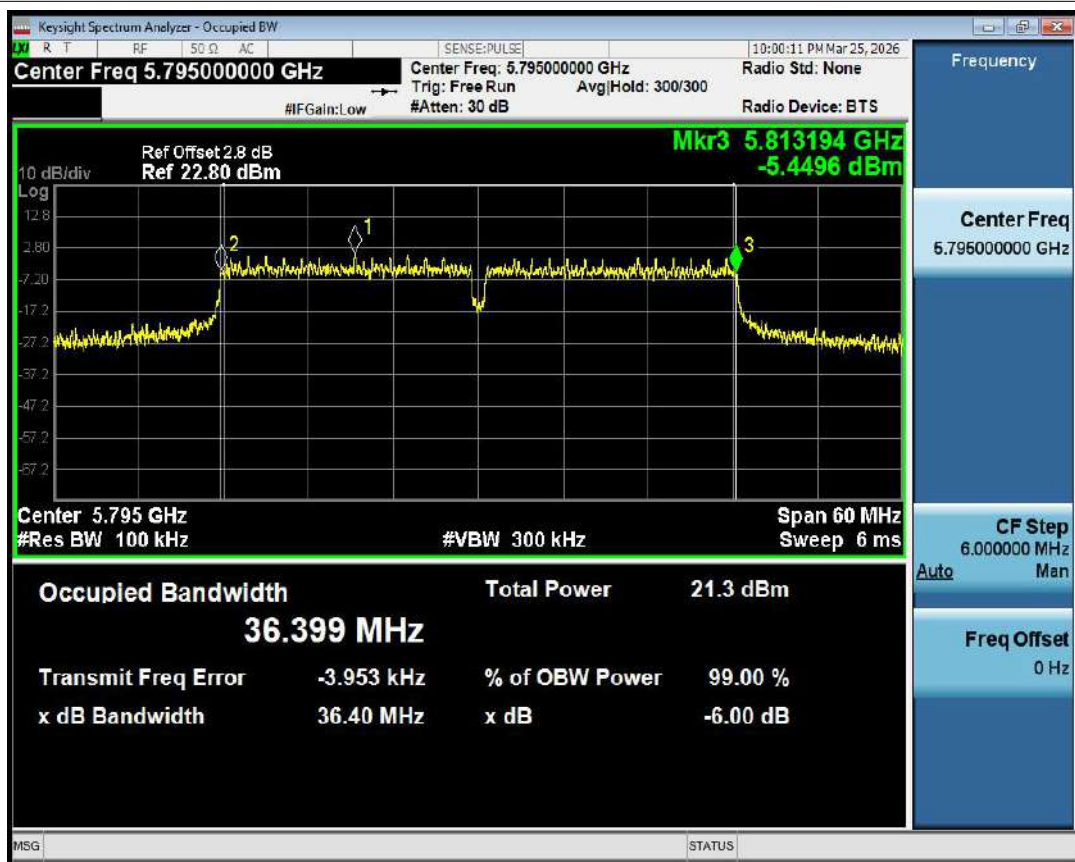
-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1



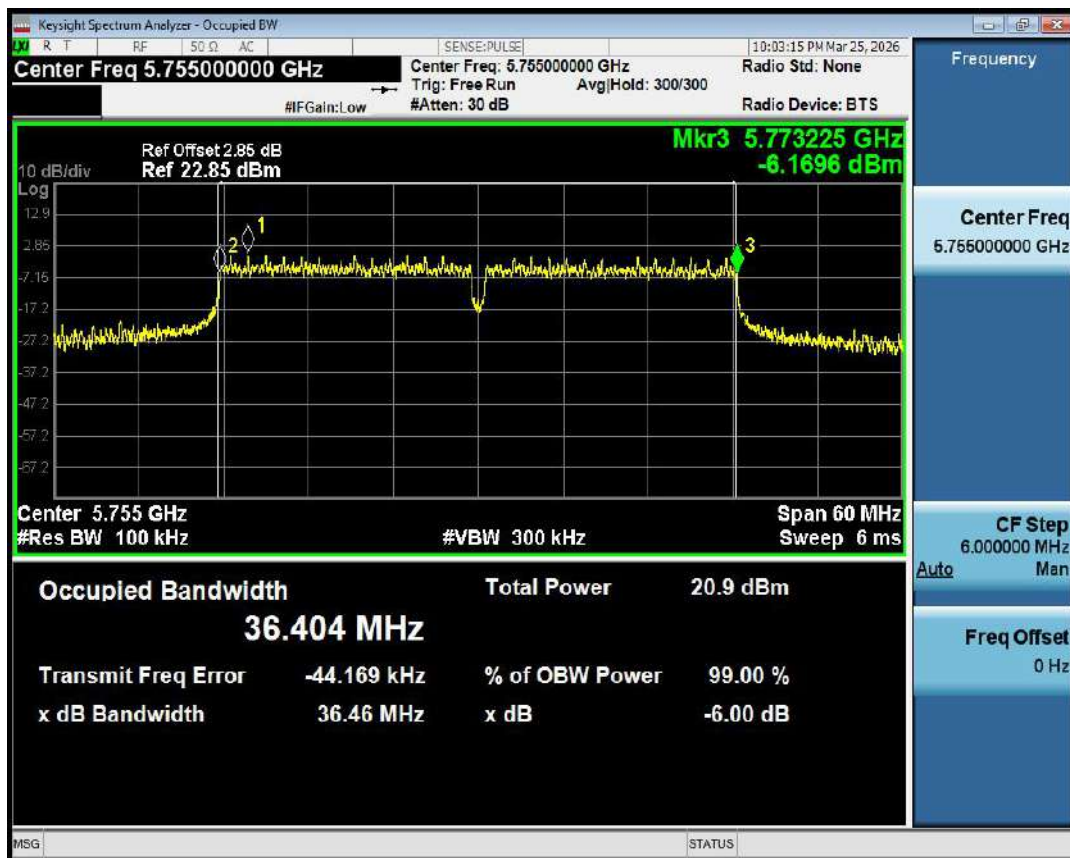
-6dB Bandwidth NVNT ac20 5745MHz Ant1



-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 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

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	17.241
NVNT	a	5785	Ant1	16.947
NVNT	a	5825	Ant1	16.938
NVNT	n20	5745	Ant1	18.527
NVNT	n20	5785	Ant1	18.244
NVNT	n20	5825	Ant1	18.228
NVNT	n40	5755	Ant1	37.181
NVNT	n40	5795	Ant1	36.922
NVNT	ac20	5745	Ant1	18.589
NVNT	ac20	5785	Ant1	18.22
NVNT	ac20	5825	Ant1	18.269
NVNT	ac40	5755	Ant1	36.947
NVNT	ac40	5795	Ant1	36.718
NVNT	ax20	5745	Ant1	19.247
NVNT	ax20	5785	Ant1	19.145
NVNT	ax20	5825	Ant1	19.191
NVNT	ax40	5755	Ant1	38.265
NVNT	ax40	5795	Ant1	38.119



OBW NVNT a 5745MHz Ant1



OBW NVNT a 5785MHz Ant1



OBW NVNT a 5825MHz 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



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 ax20 5745MHz Ant1



OBW NVNT ax20 5785MHz Ant1



OBW NVNT ax20 5825MHz Ant1



OBW NVNT ax40 5755MHz Ant1



OBW NVNT ax40 5795MHz Ant1

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total Conducted PSD (dBm)	Limit Conducted(dBm)	Verdict
NVNT	a	5745	Ant1	-0.45	0.99	0.54	30	Pass
NVNT	a	5785	Ant1	-1.13	1.3	0.17	30	Pass
NVNT	a	5825	Ant1	-1.38	0.99	-0.39	30	Pass
NVNT	n20	5745	Ant1	-0.83	0.16	-0.67	30	Pass
NVNT	n20	5785	Ant1	-1.5	0.14	-1.36	30	Pass
NVNT	n20	5825	Ant1	-2.28	0.2	-2.08	30	Pass
NVNT	n40	5755	Ant1	-4.96	2.49	-2.47	30	Pass
NVNT	n40	5795	Ant1	-5.25	2.09	-3.16	30	Pass
NVNT	ac20	5745	Ant1	-1	0.18	-0.82	30	Pass
NVNT	ac20	5785	Ant1	-1.49	0.14	-1.35	30	Pass
NVNT	ac20	5825	Ant1	-2.07	0.15	-1.92	30	Pass
NVNT	ac40	5755	Ant1	-5.99	2.47	-3.52	30	Pass
NVNT	ac40	5795	Ant1	-6.5	2.36	-4.14	30	Pass
NVNT	ax20	5745	Ant1	-0.91	0.18	-0.73	30	Pass
NVNT	ax20	5785	Ant1	-3.33	0.19	-3.14	30	Pass
NVNT	ax20	5825	Ant1	-2.3	0.21	-2.09	30	Pass
NVNT	ax40	5755	Ant1	-6.36	2.85	-3.51	30	Pass
NVNT	ax40	5795	Ant1	-6.84	3.16	-3.68	30	Pass



PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1