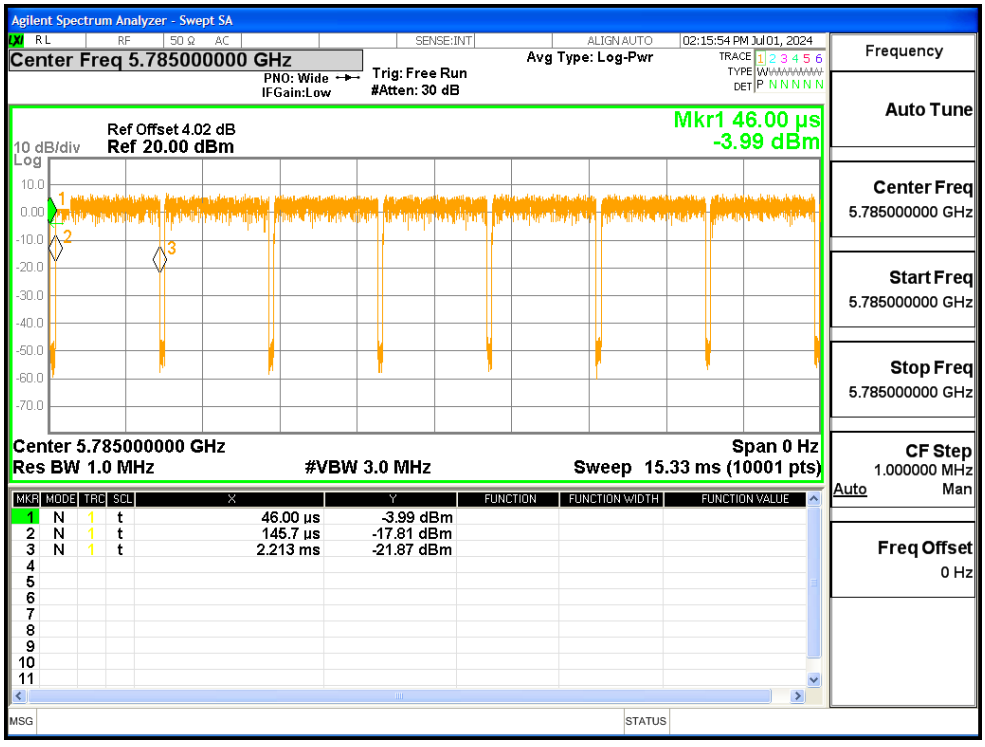
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	95.4	0.2	0.48
		5785		95.4	0.2	0.48
		5825		95.4	0.2	0.48
	n20	5745		94.86	0.23	0.52
		5785		94.94	0.23	0.52
		5825		95.15	0.22	0.52
	n40	5755		91.61	0.38	1.05
		5795		90.65	0.43	1.05
	ac20	5745		95.1	0.22	0.52
		5785		95.17	0.21	0.52
		5825		95.03	0.22	0.52
	ac40	5755		90.43	0.44	1.05
		5795		91.46	0.39	1.05
	ac80	5775		84.24	0.74	2.15

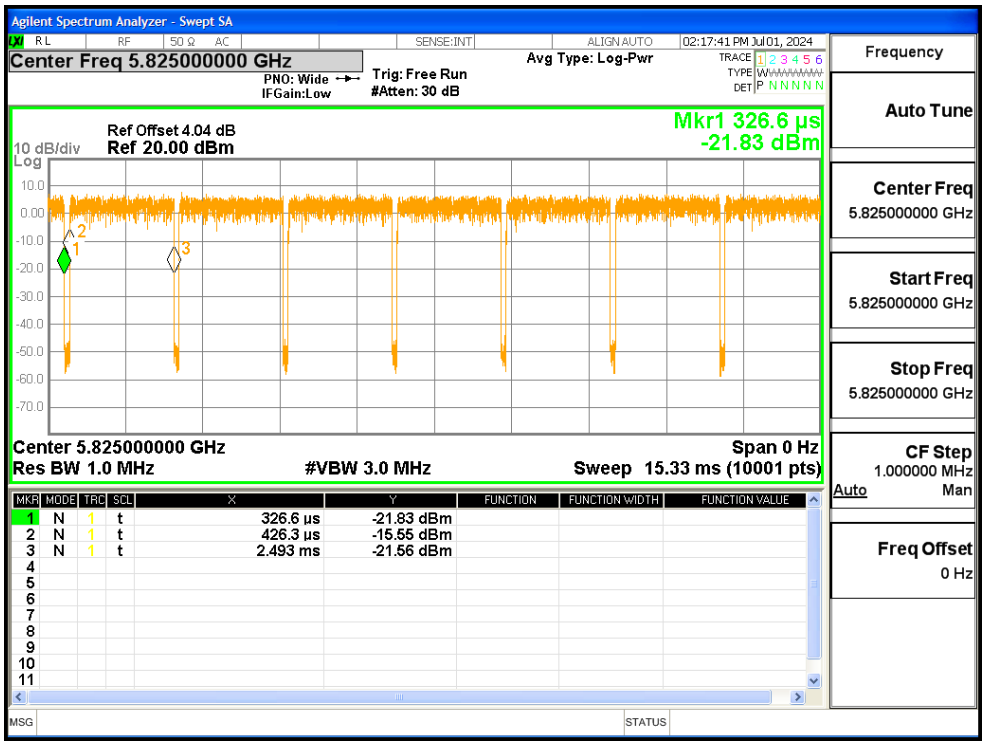
Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

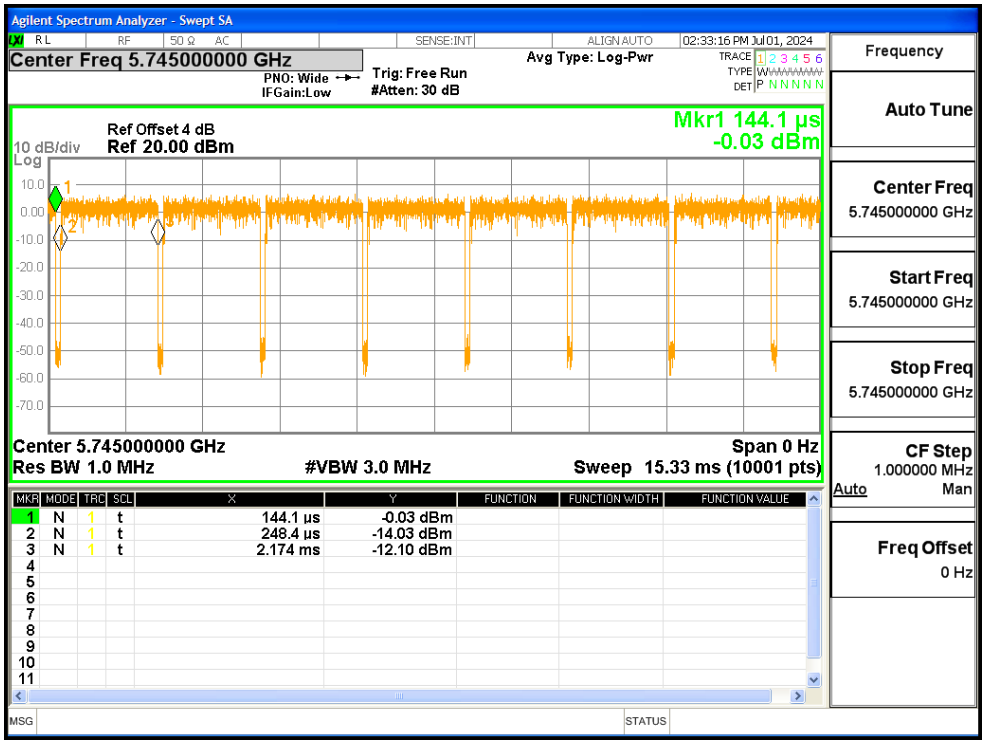
Duty Cycle NVNT a 5785MHz Ant1



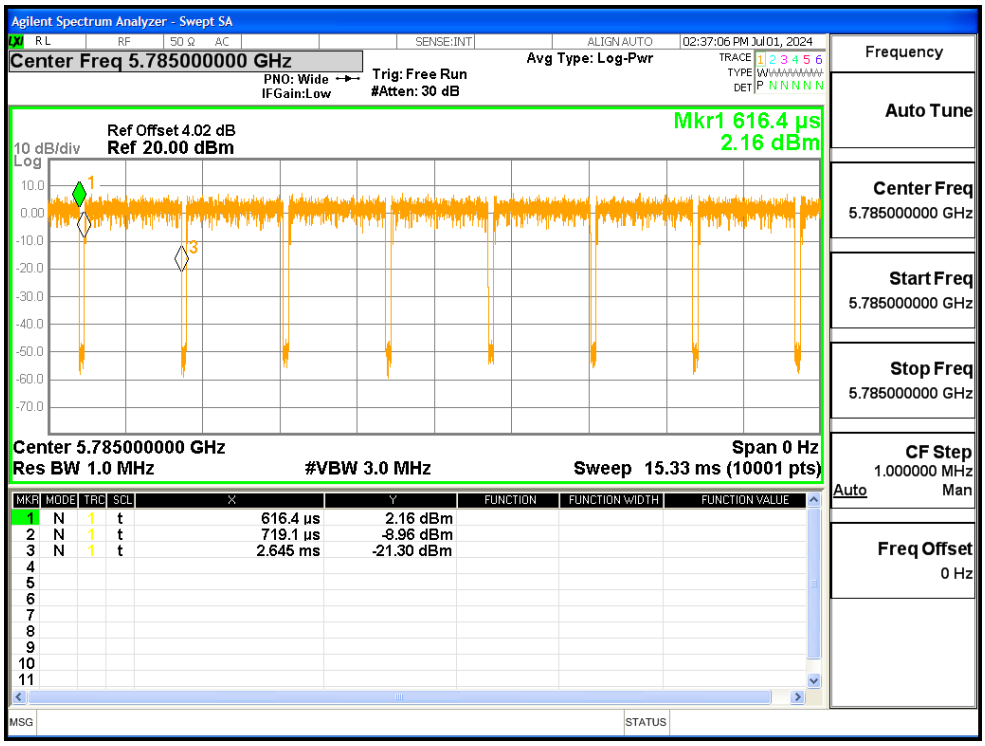
Duty Cycle NVNT a 5825MHz Ant1



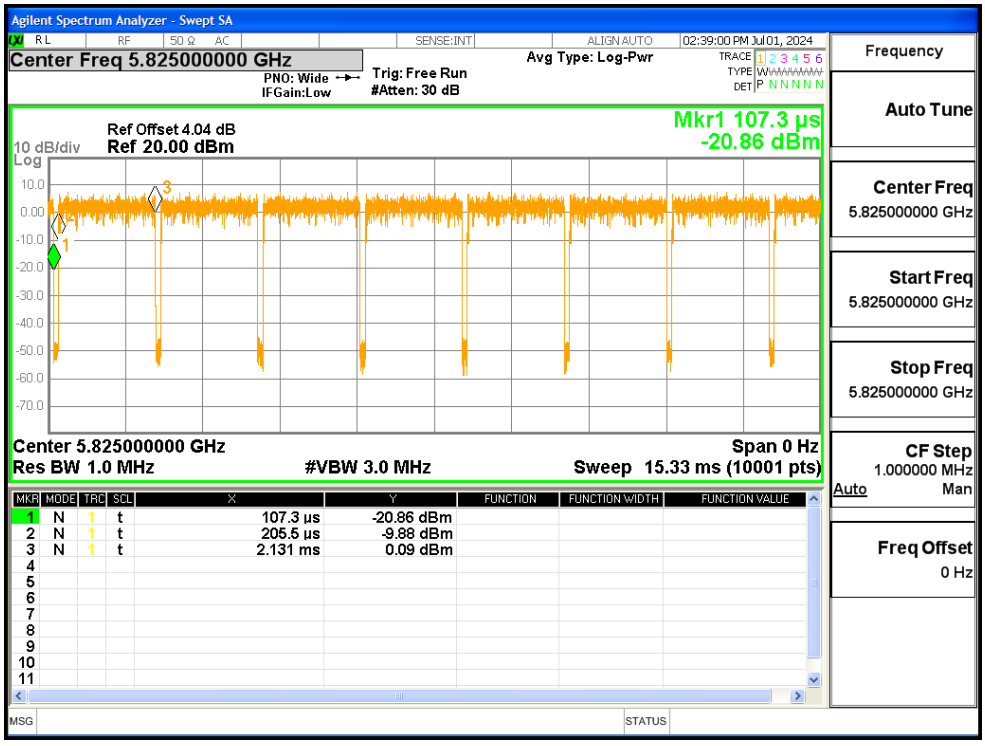
Duty Cycle NVNT n20 5745MHz Ant1



Duty Cycle NVNT n20 5785MHz Ant1



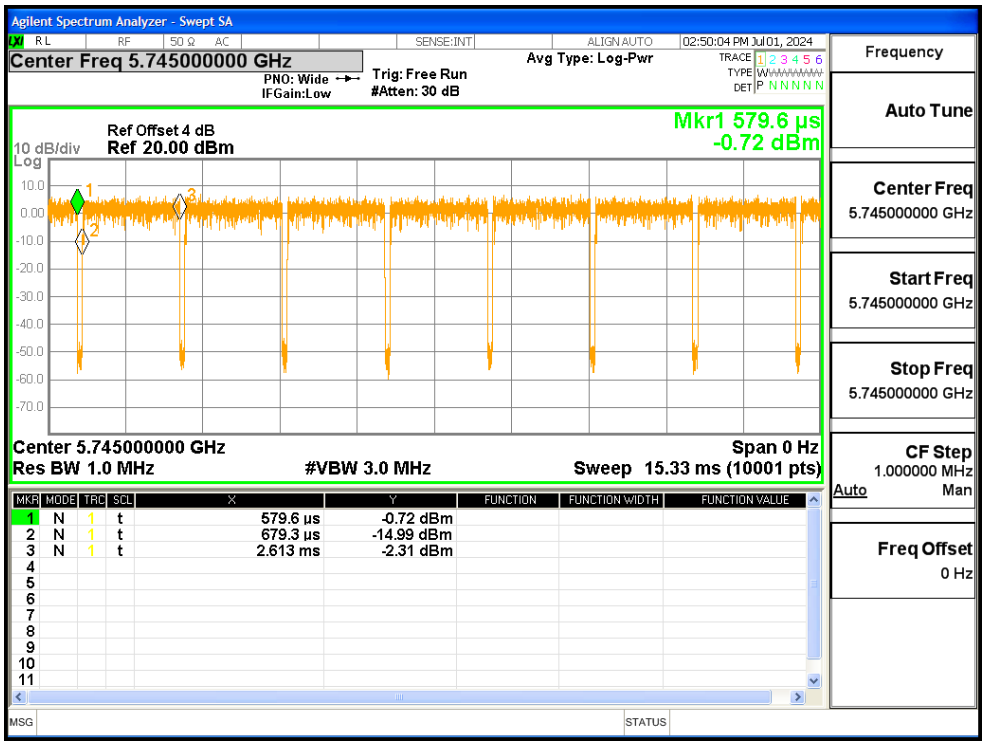
Duty Cycle NVNT n20 5825MHz Ant1



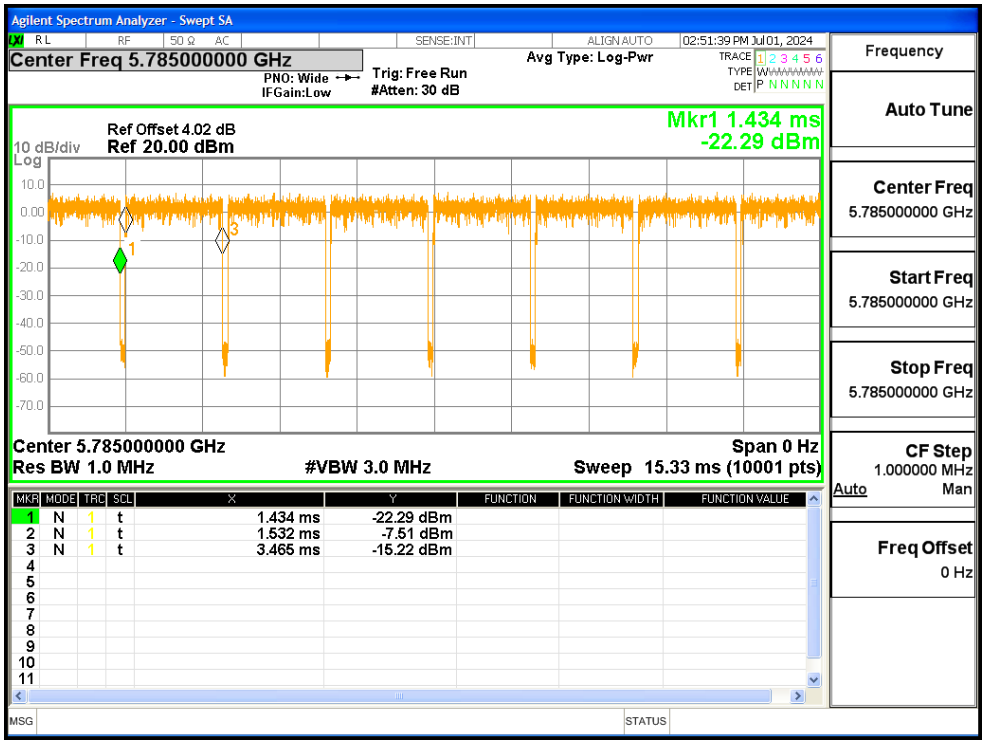
Duty Cycle NVNT n40 5755MHz Ant1

Duty Cycle NVNT n40 5795MHz Ant1

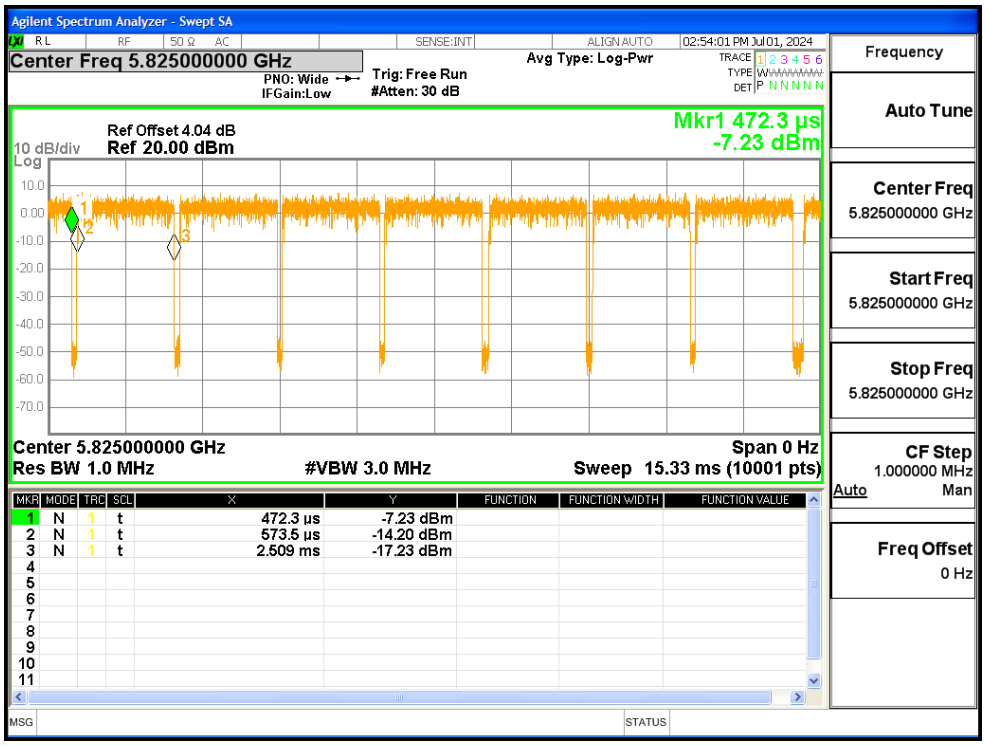
Duty Cycle NVNT ac20 5745MHz Ant1



Duty Cycle NVNT ac20 5785MHz Ant1



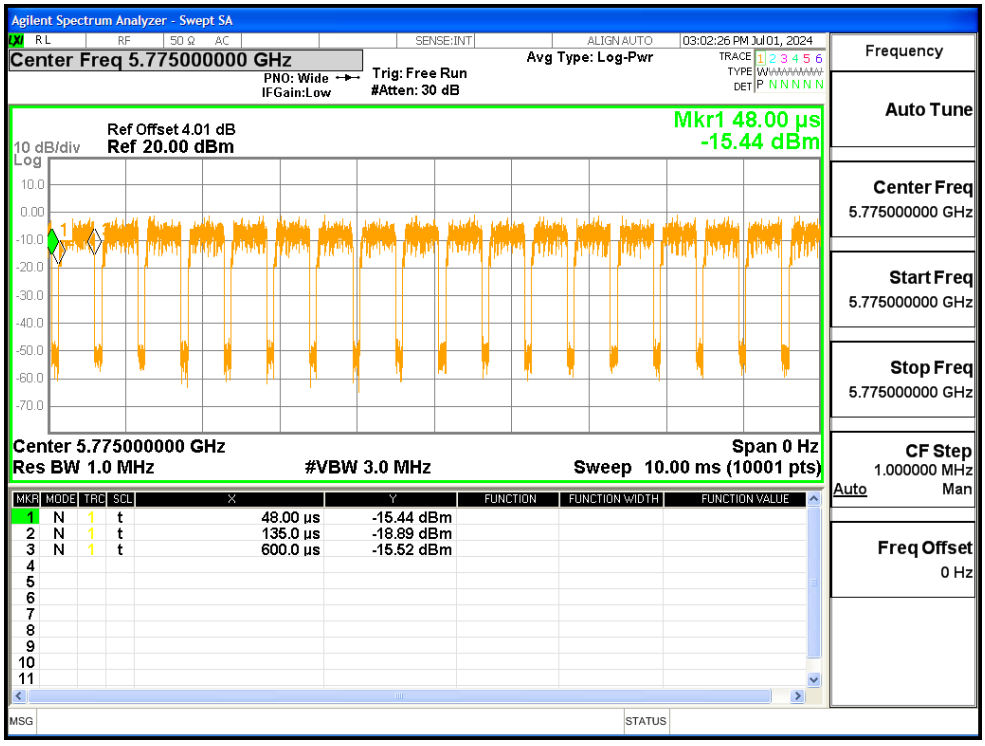
Duty Cycle NVNT ac20 5825MHz Ant1



Duty Cycle NVNT ac40 5755MHz Ant1

Duty Cycle NVNT ac40 5795MHz Ant1

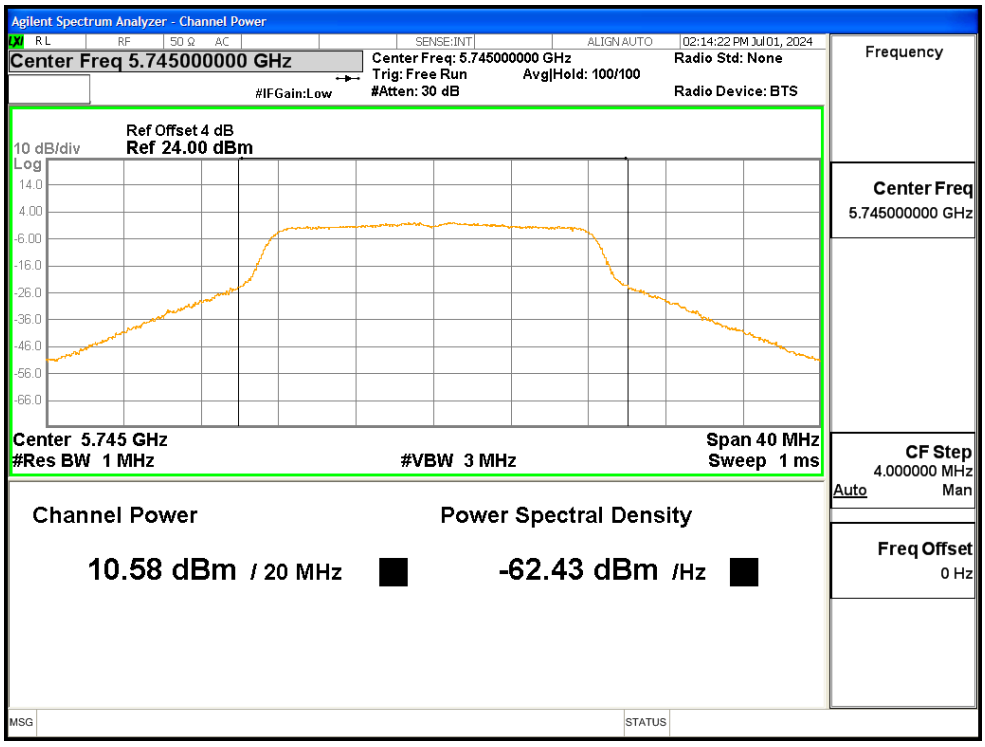
Duty Cycle NVNT ac80 5775MHz Ant1



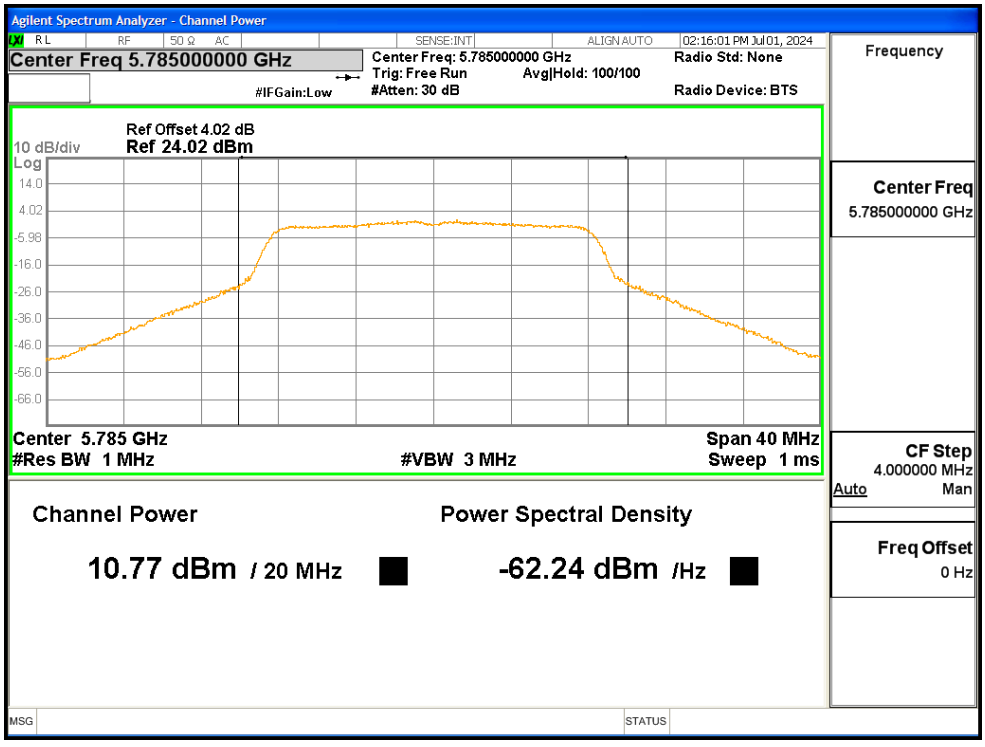
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	10.58	0.2	10.78	30	Pass
		5785		10.77	0.2	10.97	30	Pass
		5825		11.18	0.2	11.38	30	Pass
	n20	5745		10.4	0.23	10.63	30	Pass
		5785		10.79	0.23	11.02	30	Pass
		5825		11.04	0.22	11.26	30	Pass
	n40	5755		10.92	0.38	11.3	30	Pass
		5795		11.33	0.43	11.46	30	Pass
	ac20	5745		10.47	0.22	10.69	30	Pass
		5785		10.77	0.21	10.98	30	Pass
		5825		11.06	0.22	11.28	30	Pass
	ac40	5755		10.94	0.44	11.38	30	Pass
		5795		11.47	0.39	11.56	30	Pass
	ac80	5775		10.52	0.74	11.26	30	Pass

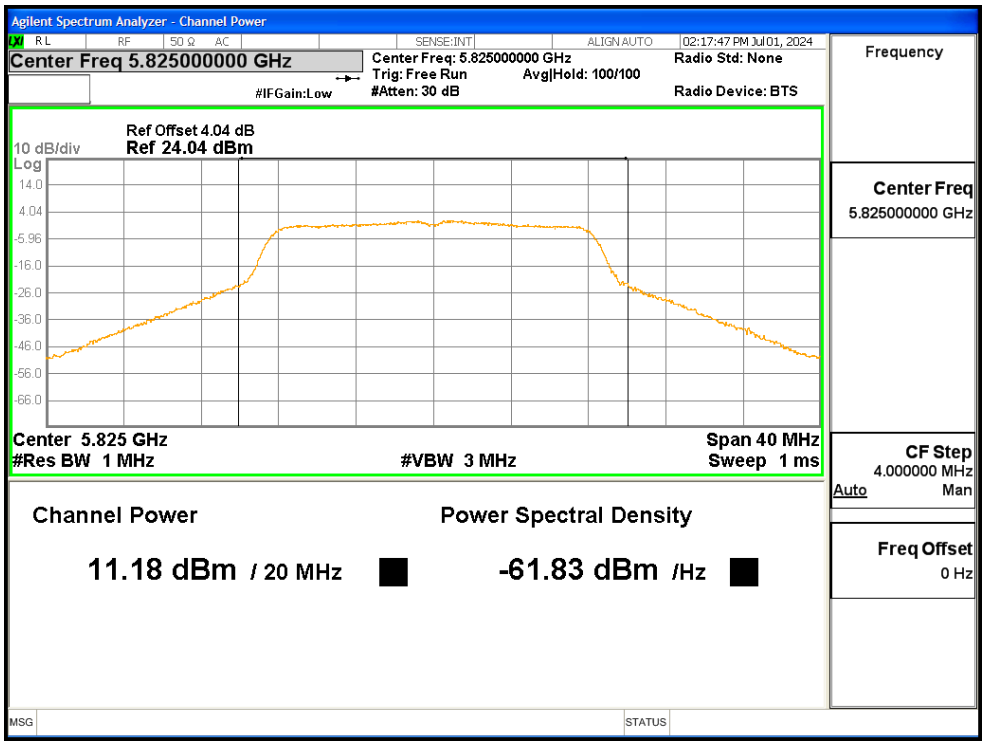
Test Graphs
Power NVNT a 5745MHz Ant1



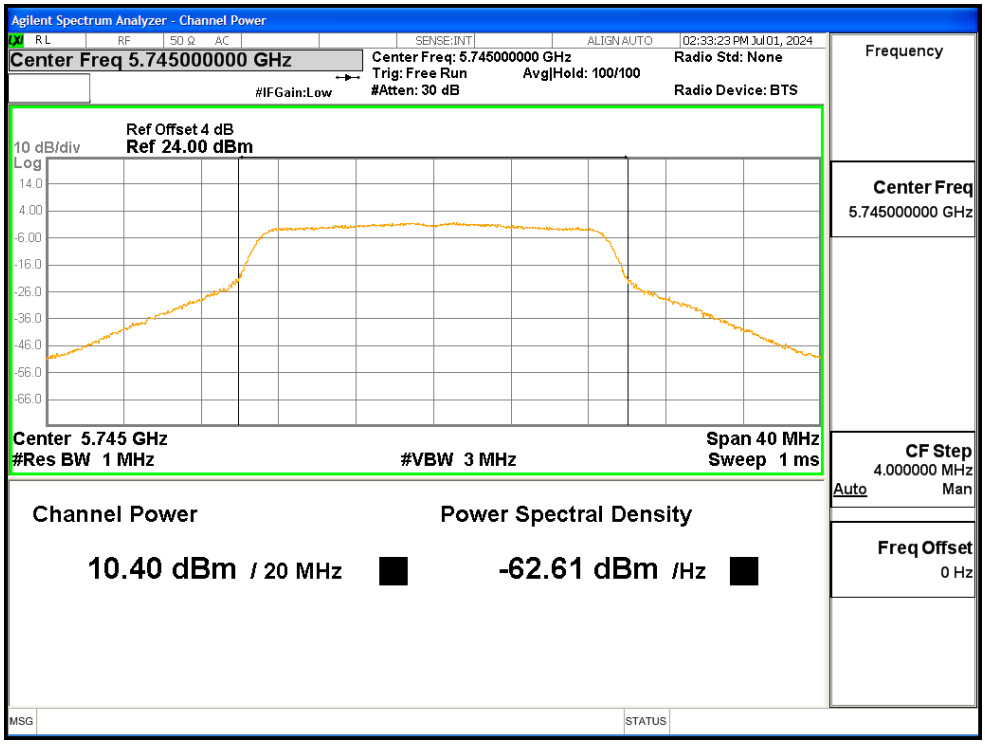
Power NVNT a 5785MHz Ant1



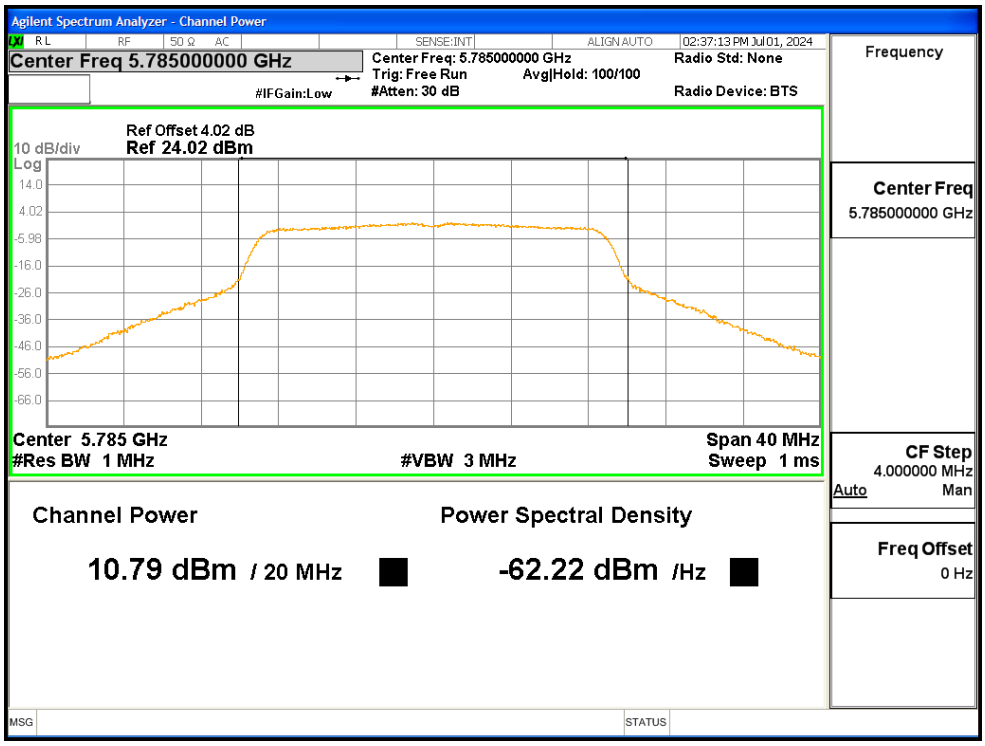
Power NVNT a 5825MHz Ant1



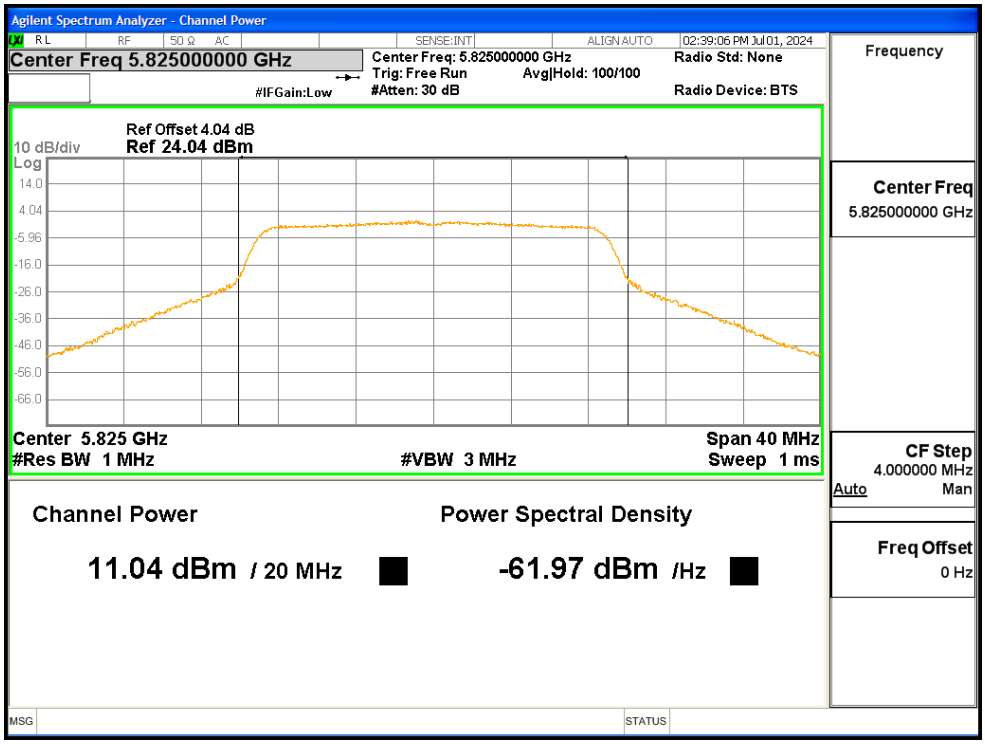
Power NVNT n20 5745MHz Ant1



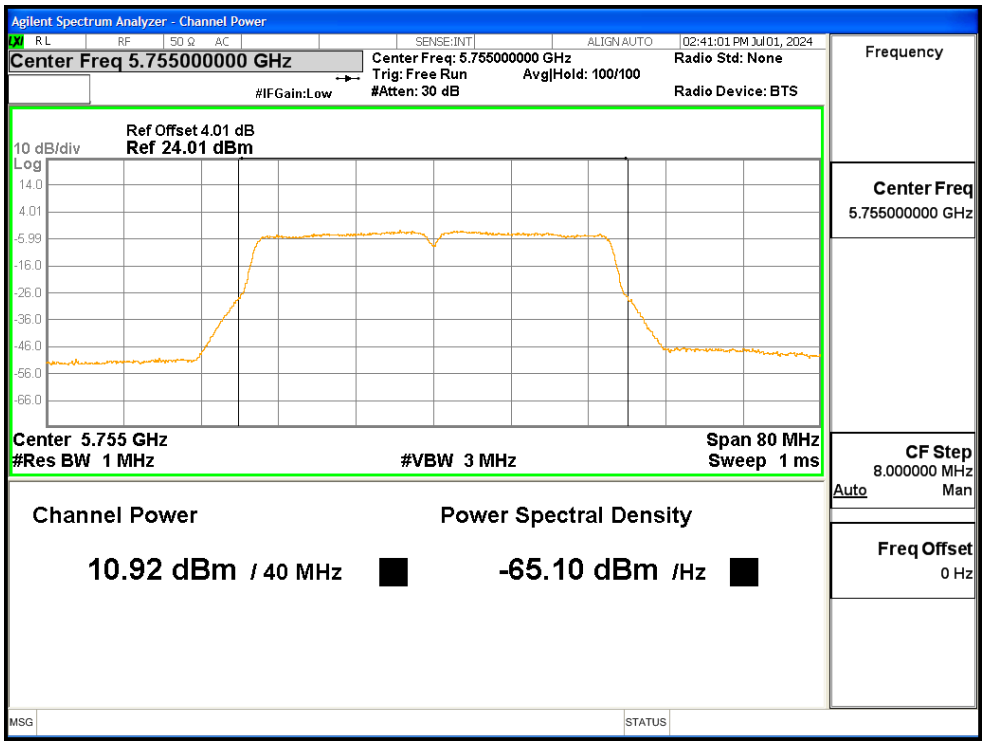
Power NVNT n20 5785MHz Ant1



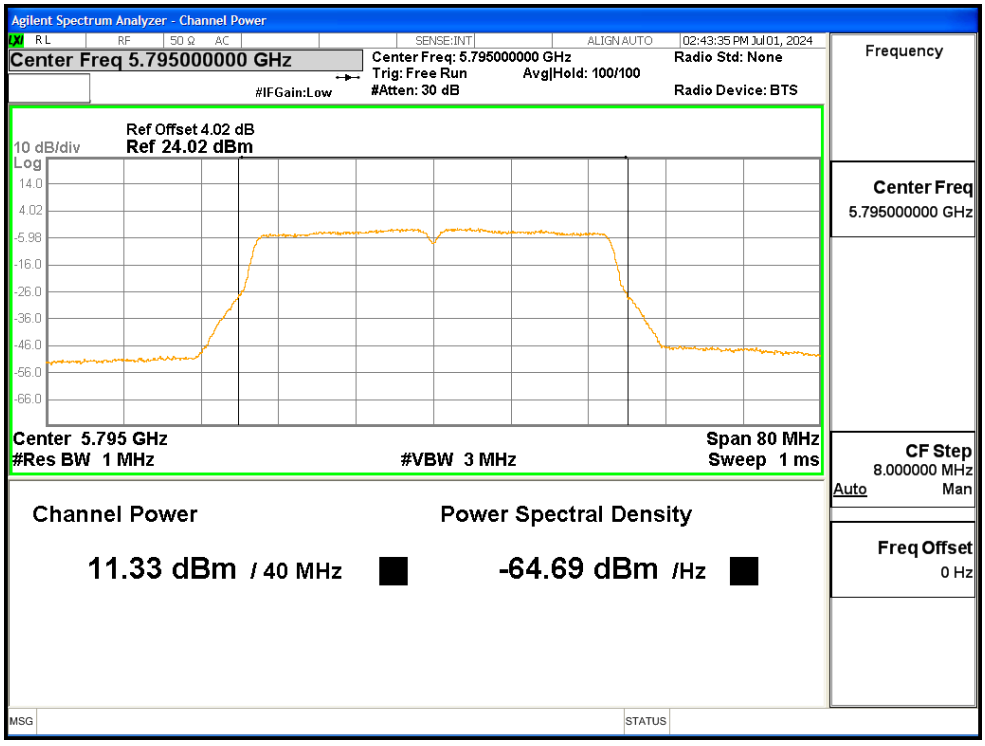
Power NVNT n20 5825MHz Ant1



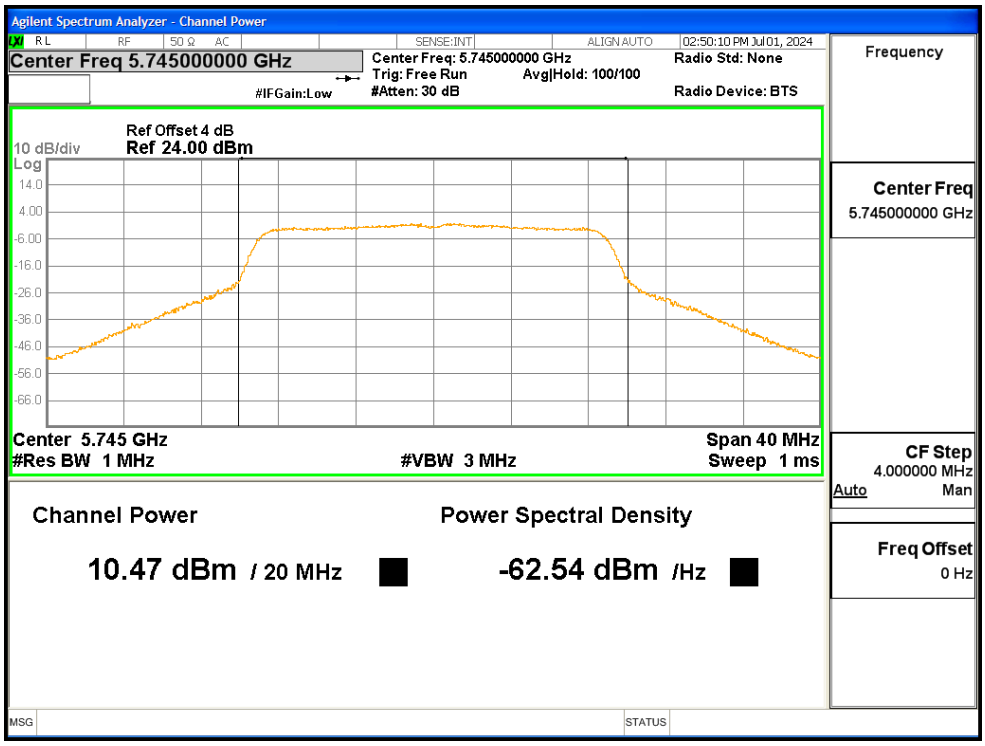
Power NVNT n40 5755MHz Ant1



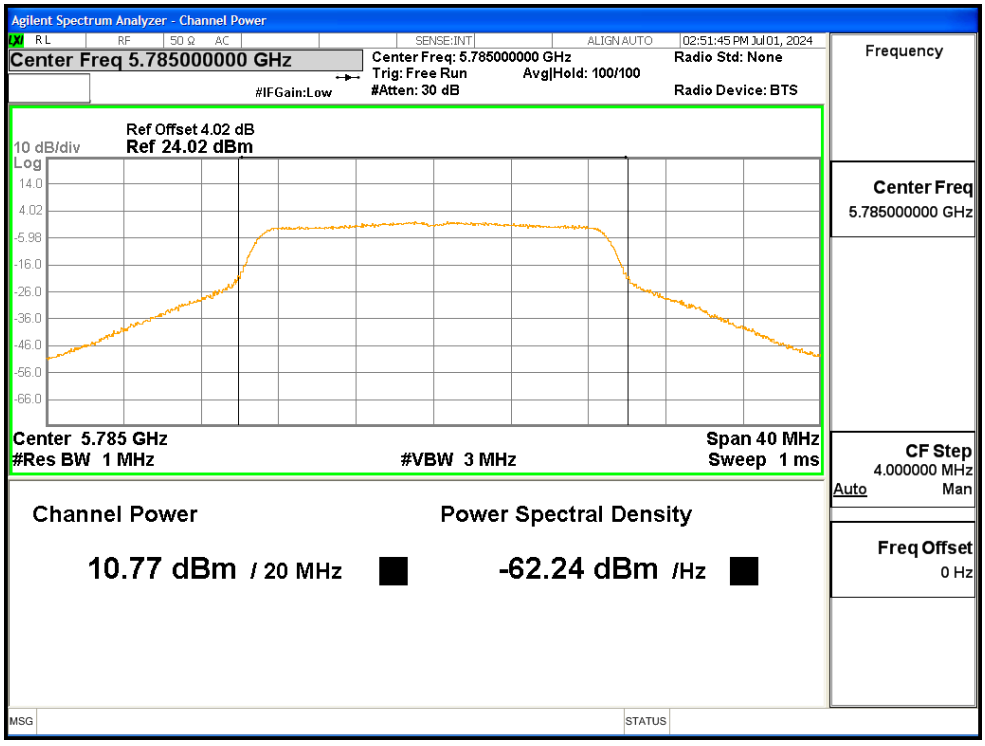
Power NVNT n40 5795MHz Ant1



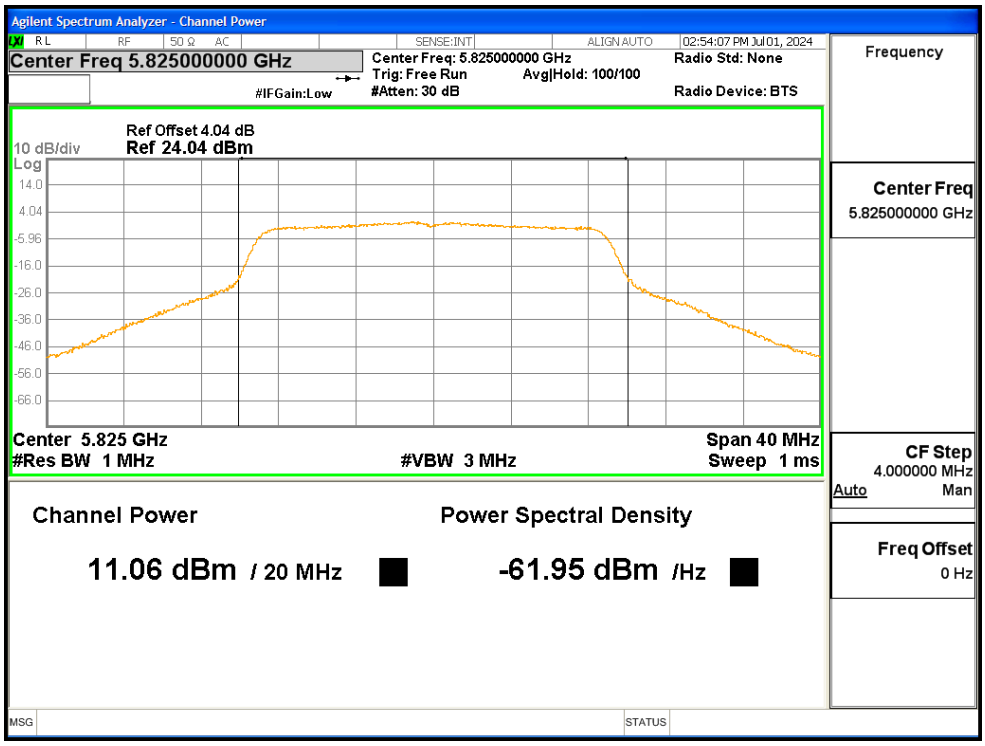
Power NVNT ac20 5745MHz Ant1



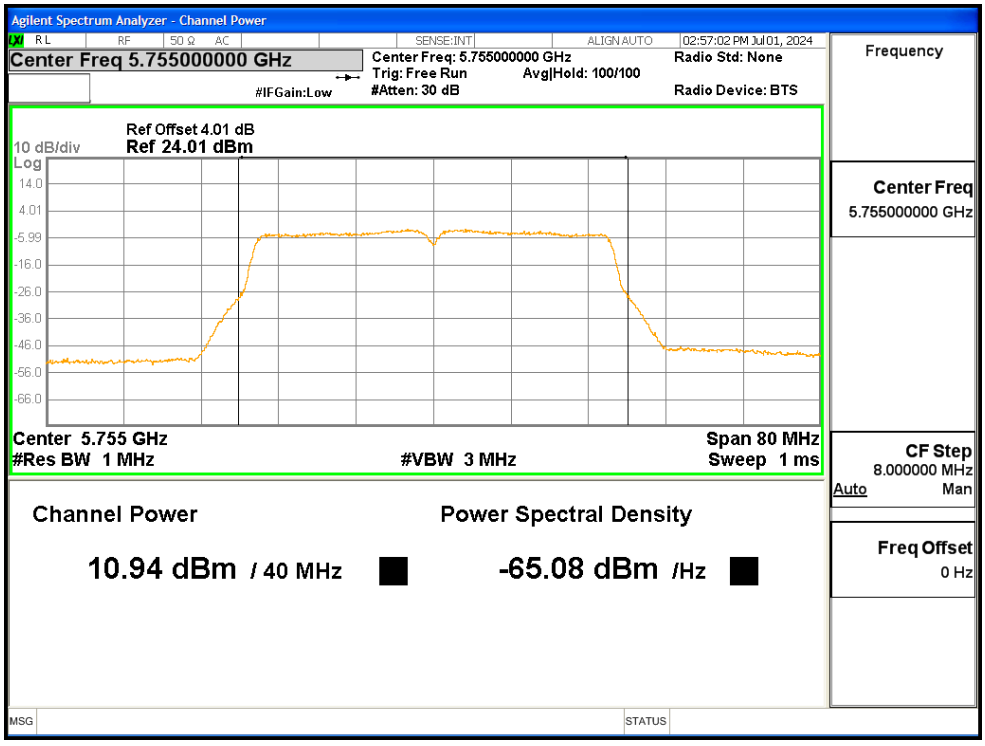
Power NVNT ac20 5785MHz Ant1



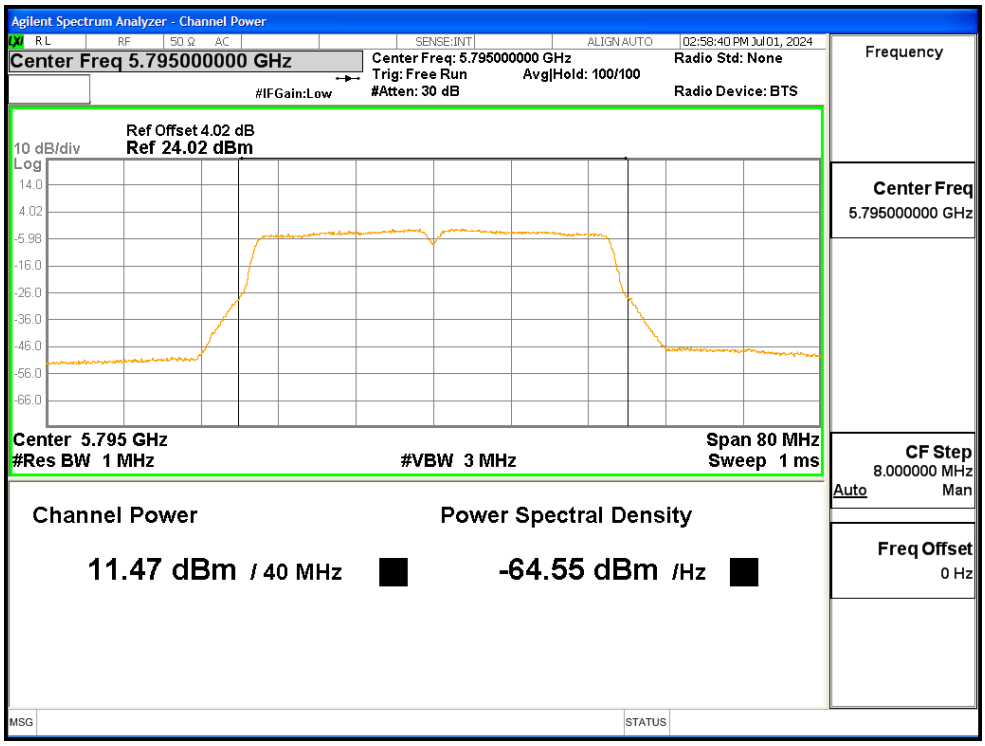
Power NVNT ac20 5825MHz Ant1



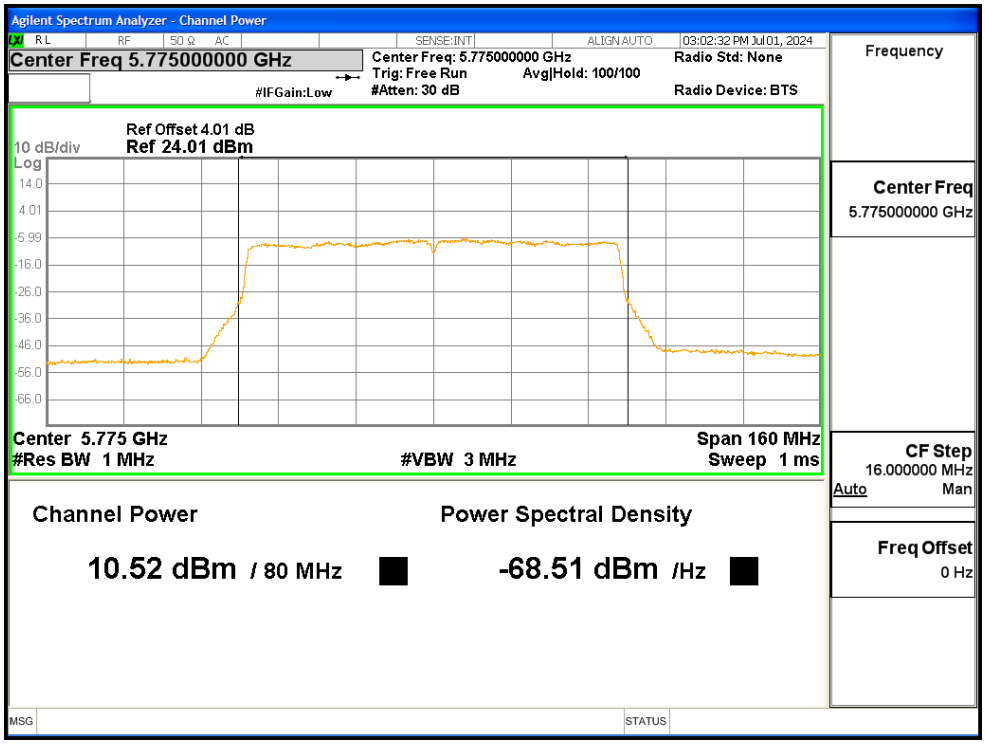
Power NVNT ac40 5755MHz Ant1



Power NVNT ac40 5795MHz Ant1



Power NVNT ac80 5775MHz Ant1

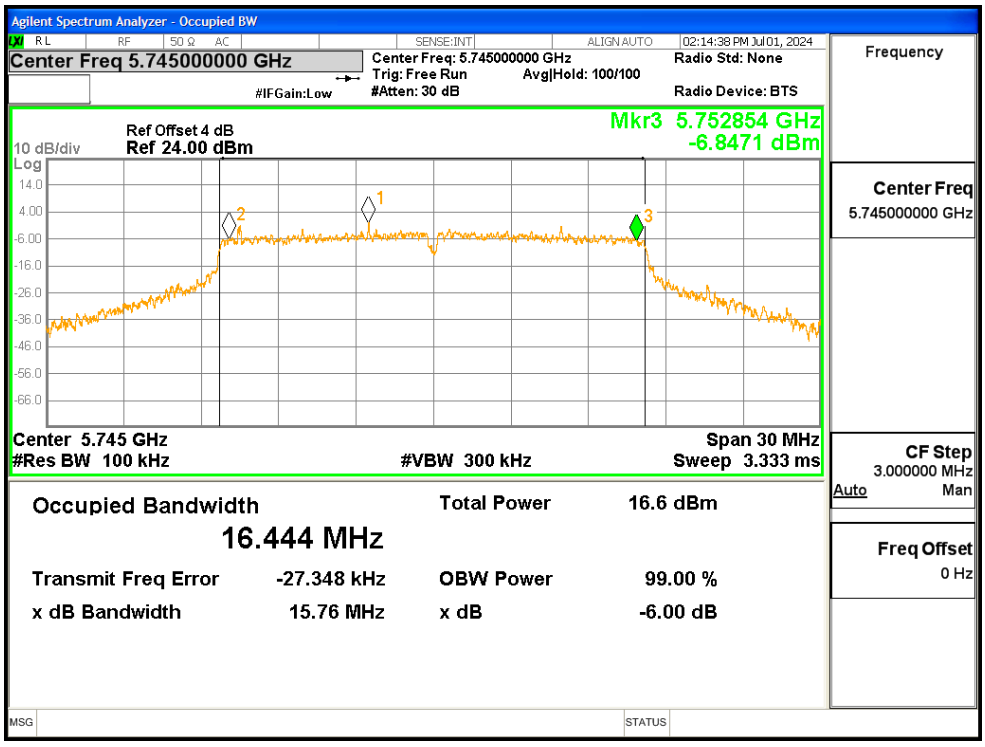


-6dB Bandwidth

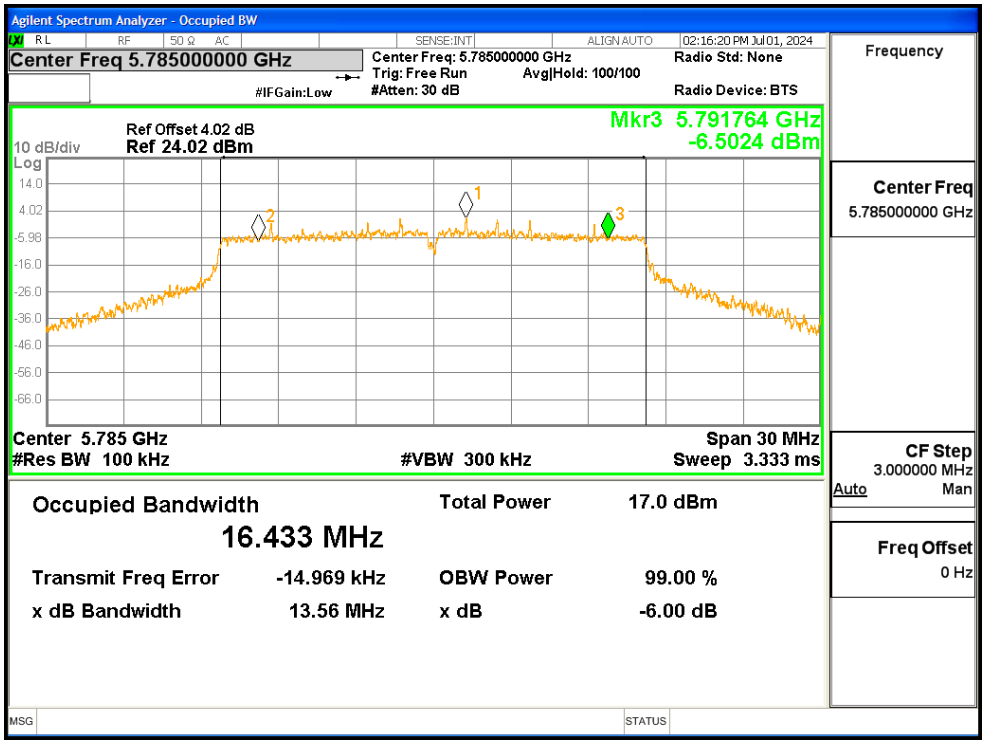
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.763	0.5	Pass
		5785		13.558	0.5	Pass
		5825		15.763	0.5	Pass
	n20	5745		16.786	0.5	Pass
		5785		16.74	0.5	Pass
		5825		17.556	0.5	Pass
	n40	5755		35.869	0.5	Pass
		5795		36.063	0.5	Pass
	ac20	5745		17.164	0.5	Pass
		5785		17.175	0.5	Pass
		5825		16.53	0.5	Pass
	ac40	5755		36.028	0.5	Pass
		5795		35.32	0.5	Pass
	ac80	5775		75.346	0.5	Pass

Test Graphs

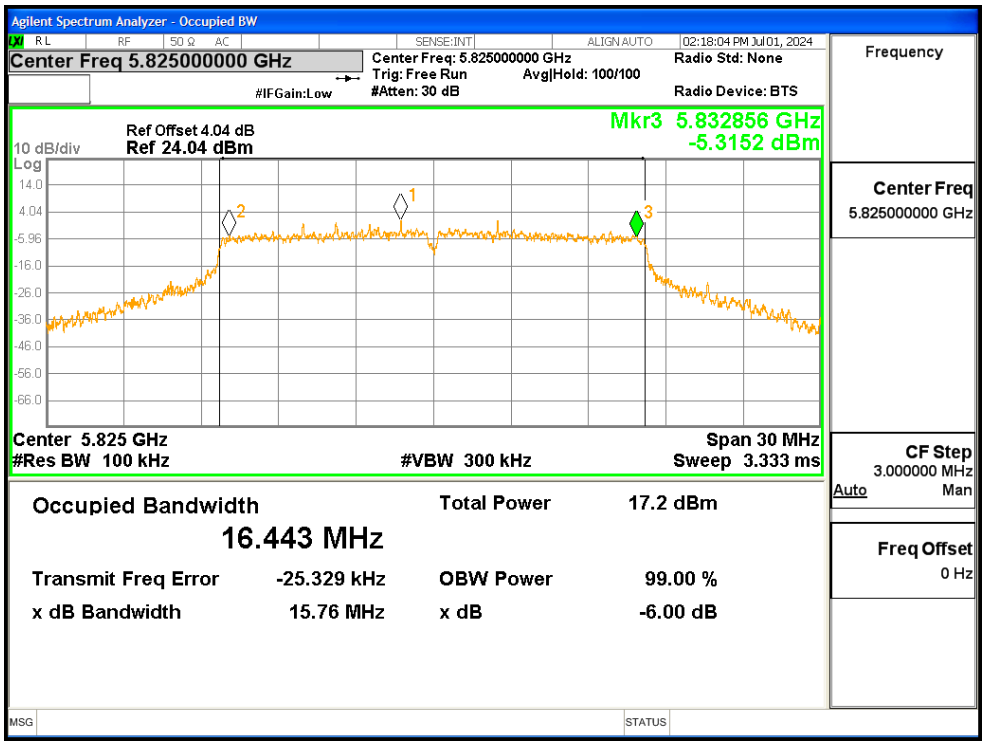
-6dB Bandwidth NVNT a 5745MHz Ant1



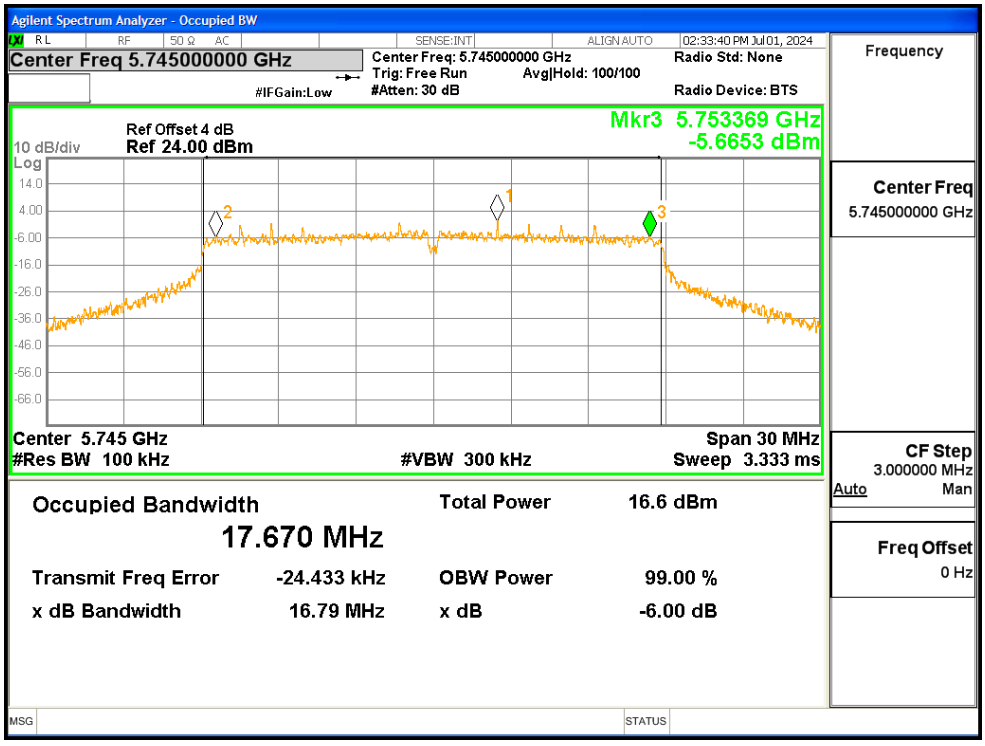
-6dB Bandwidth NVNT a 5785MHz Ant1



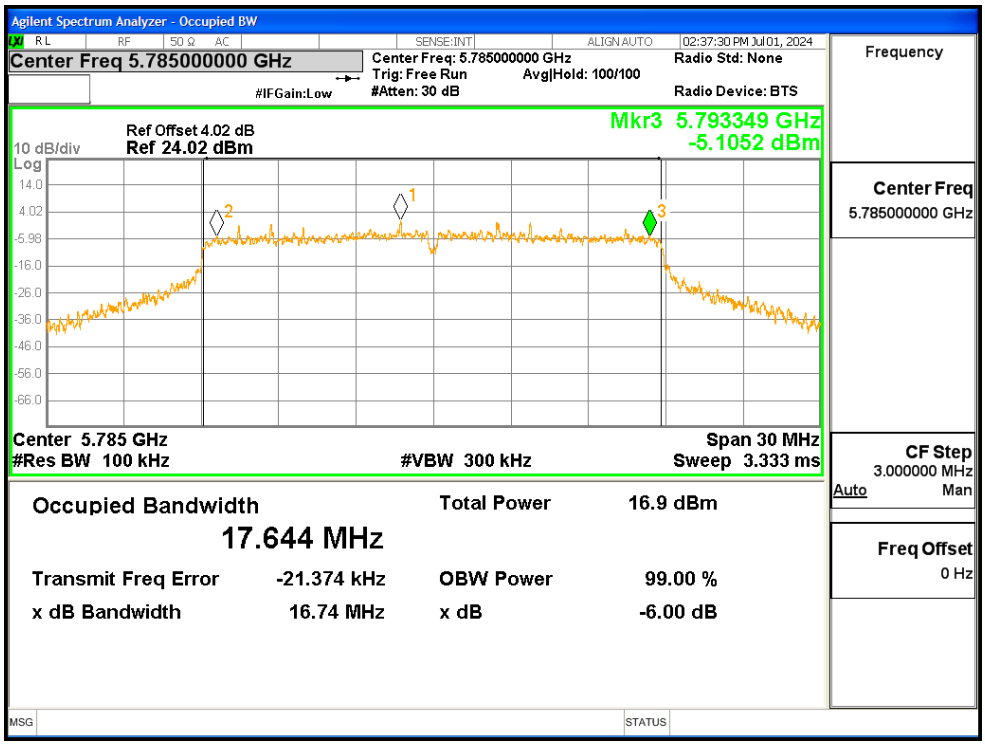
-6dB Bandwidth NVNT a 5825MHz Ant1



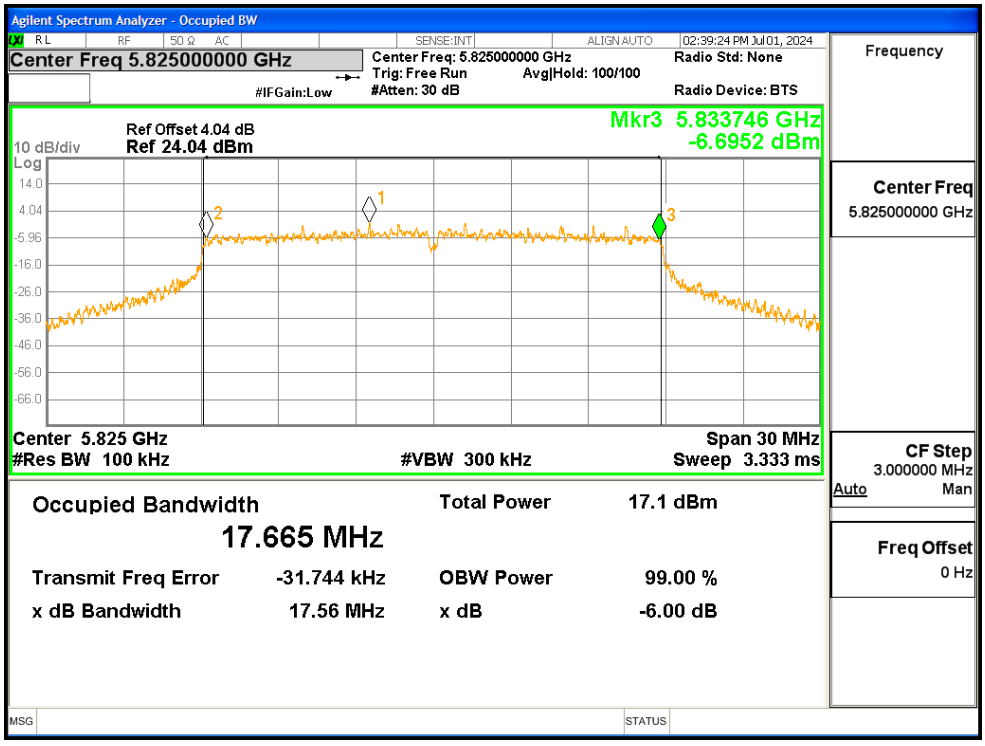
-6dB Bandwidth NVNT n20 5745MHz Ant1



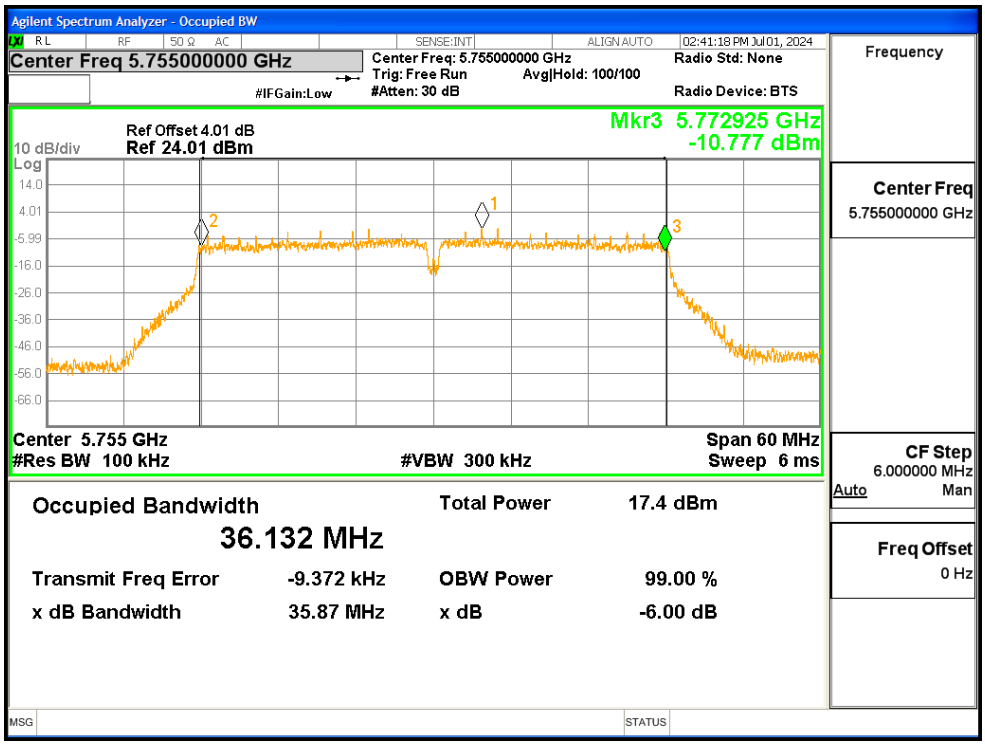
-6dB Bandwidth NVNT n20 5785MHz Ant1



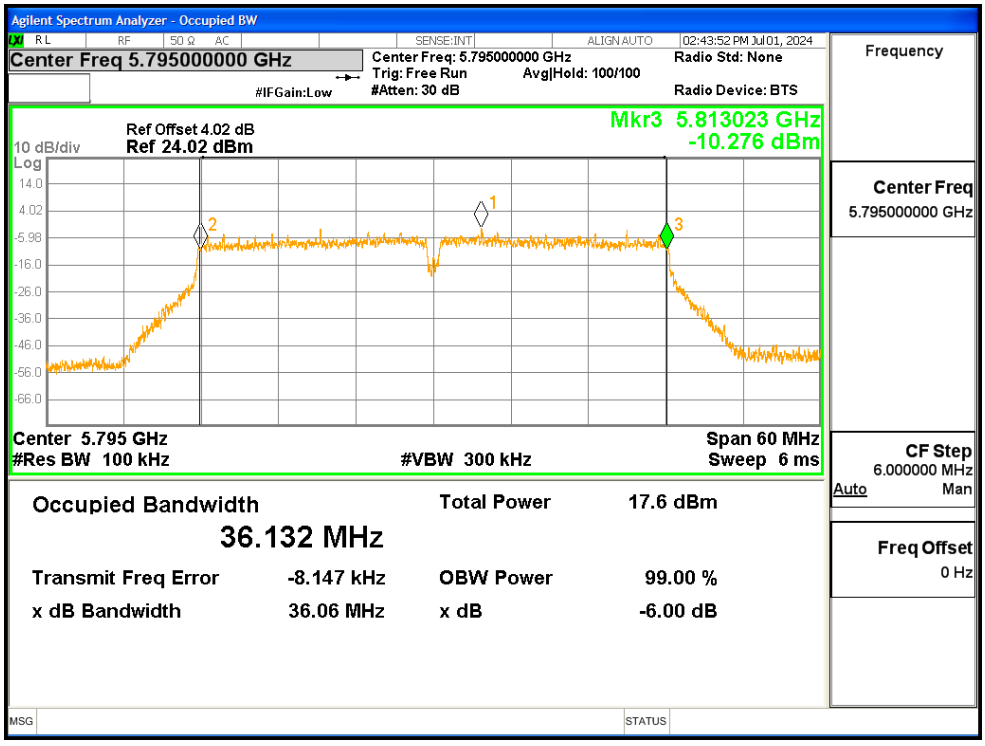
-6dB Bandwidth NVNT n20 5825MHz Ant1



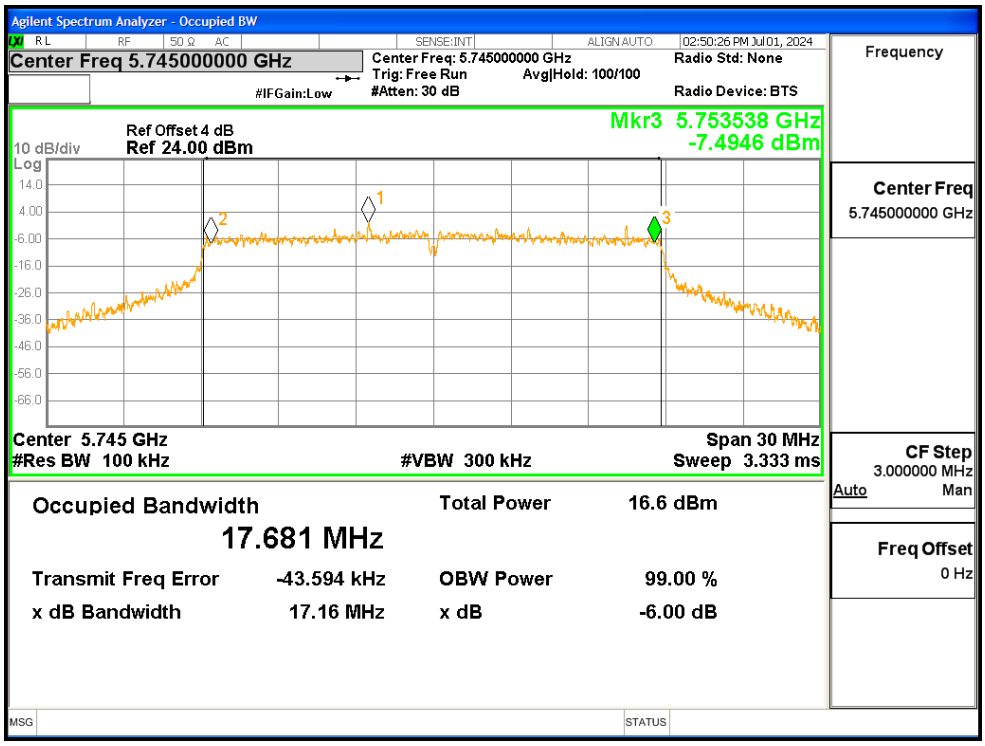
-6dB Bandwidth NVNT n40 5755MHz Ant1



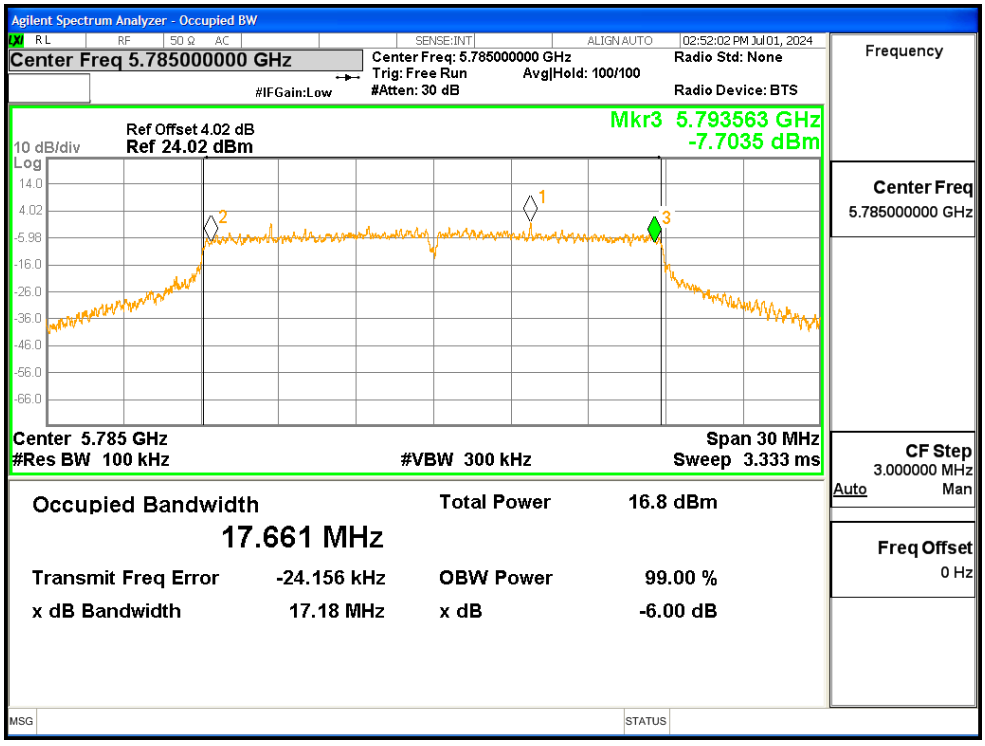
-6dB Bandwidth NVNT n40 5795MHz Ant1



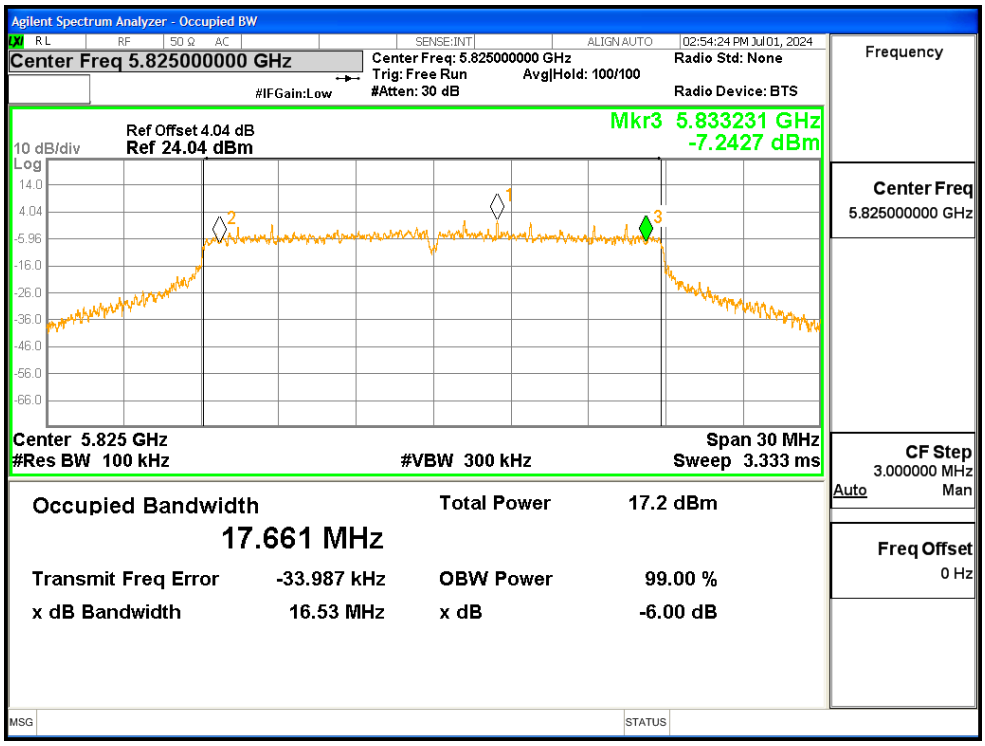
-6dB Bandwidth NVNT ac20 5745MHz Ant1



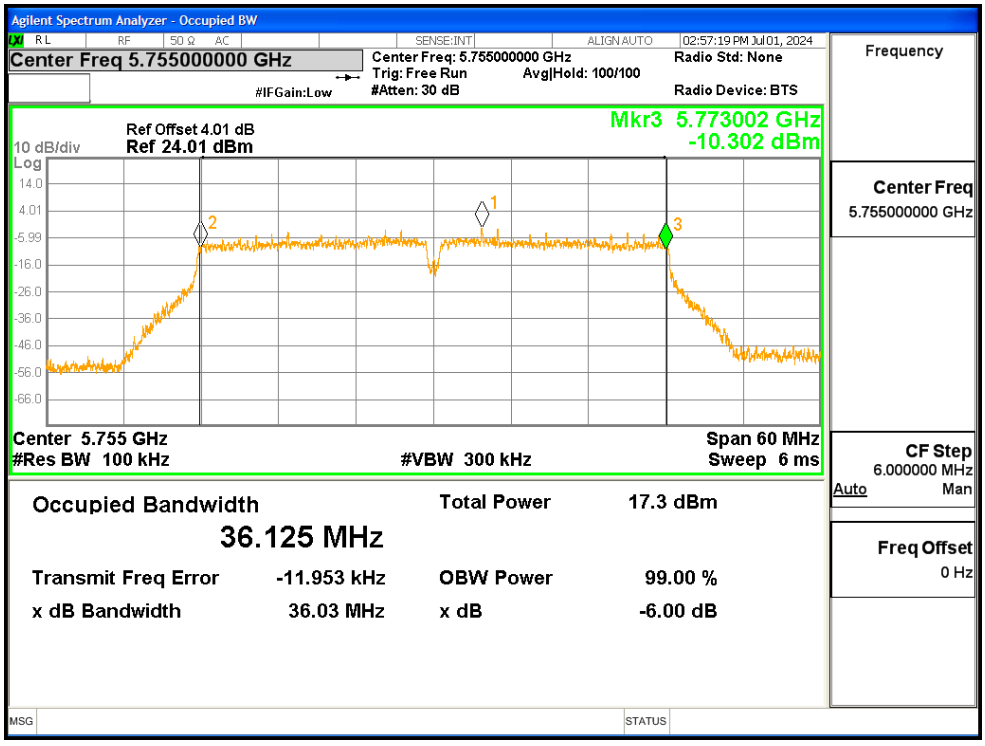
-6dB Bandwidth NVNT ac20 5785MHz Ant1



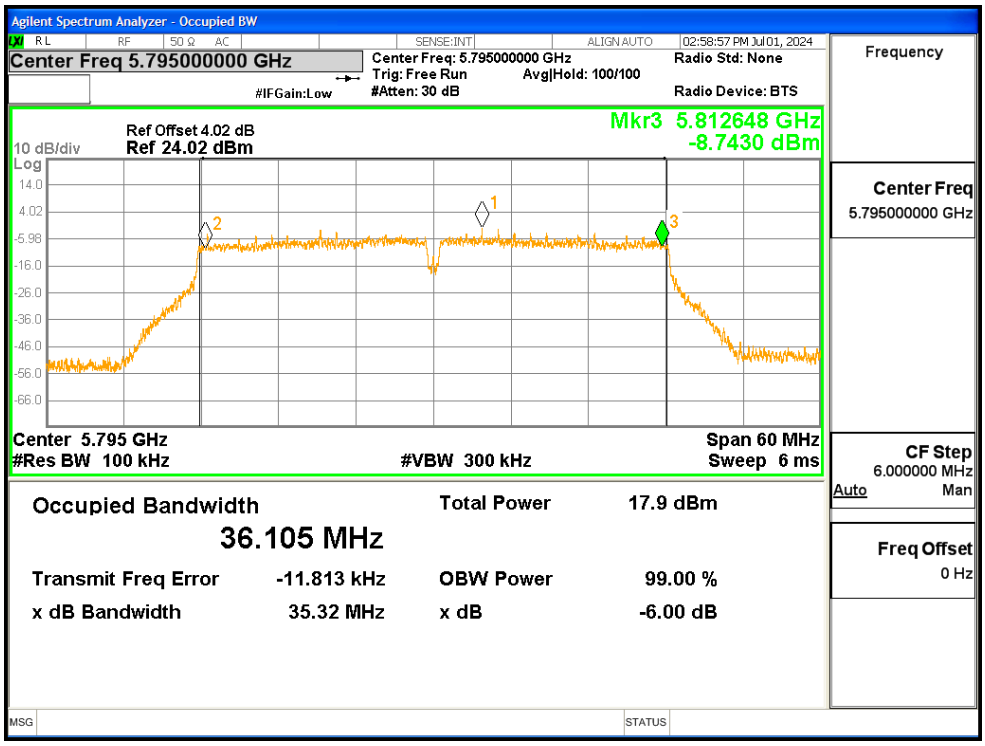
-6dB Bandwidth NVNT ac20 5825MHz Ant1



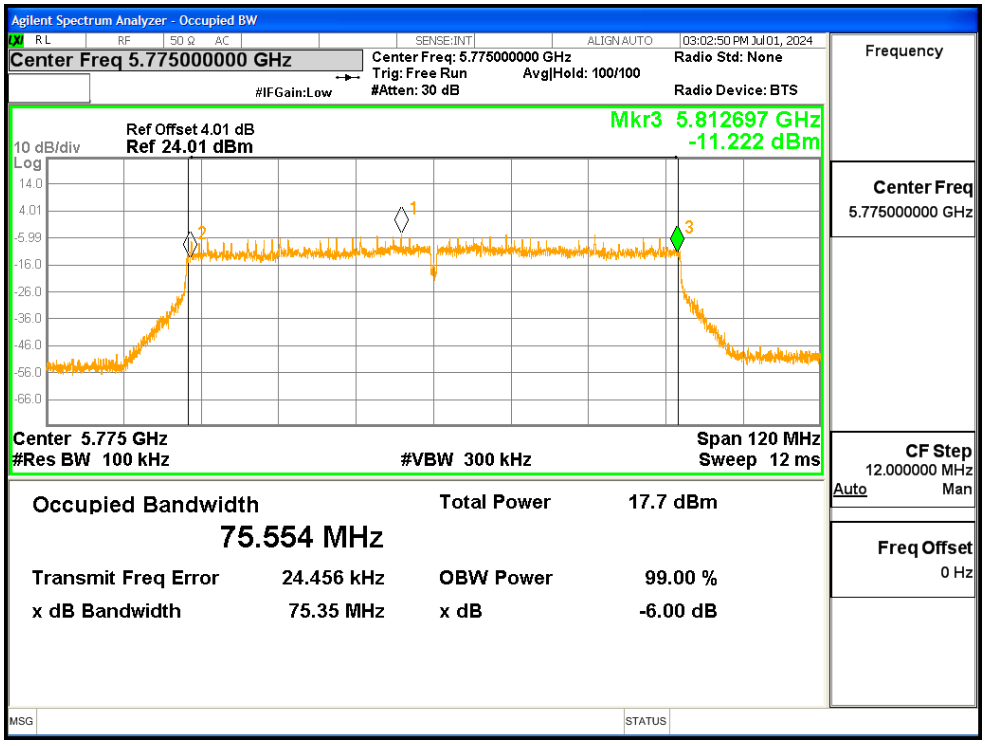
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1

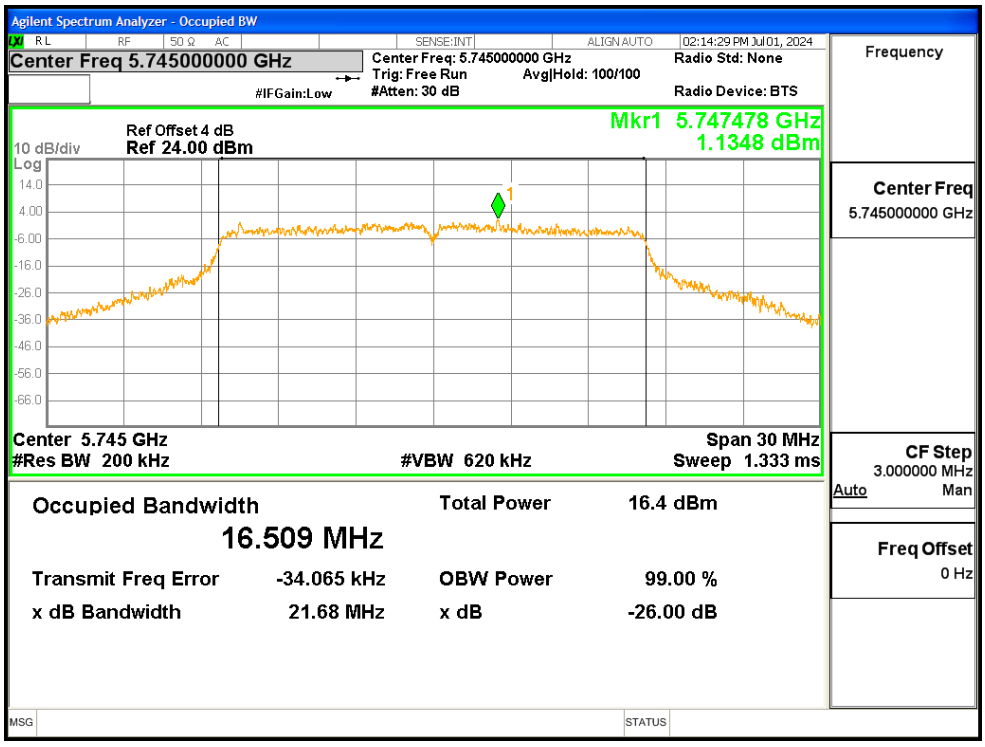


Occupied Channel Bandwidth

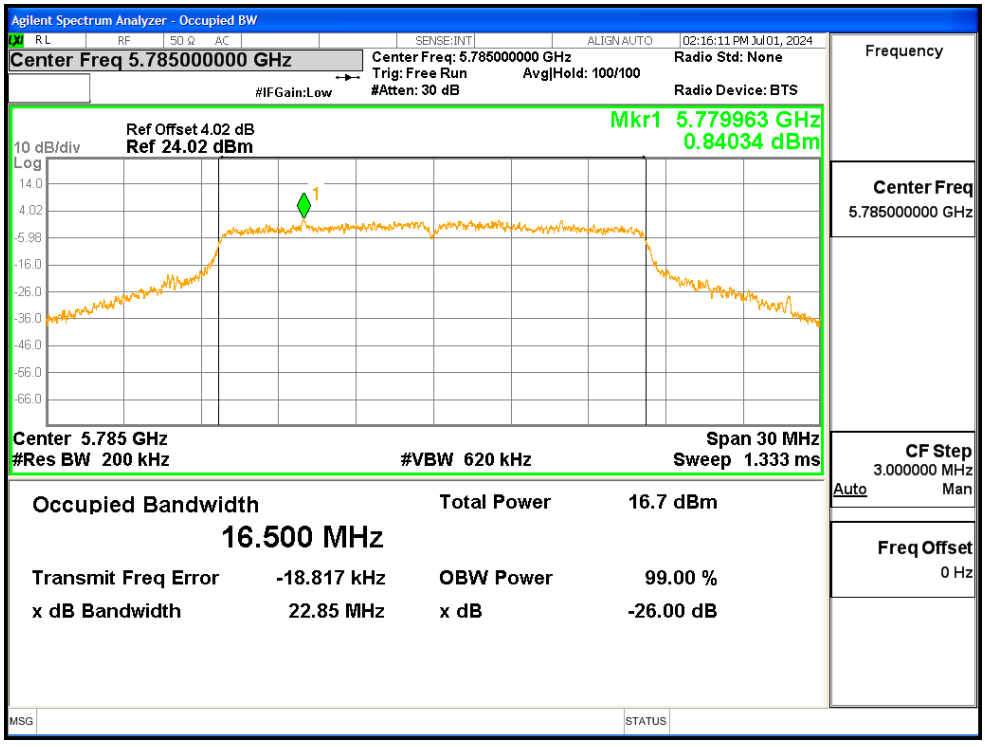
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.509
		5785		16.5
		5825		16.517
	n20	5745		17.718
		5785		17.727
		5825		17.71
	n40	5755		36.196
		5795		36.148
	ac20	5745		17.729
		5785		17.731
		5825		17.71
	ac40	5755		36.203
		5795		36.157
	ac80	5775		75.684

Test Graphs

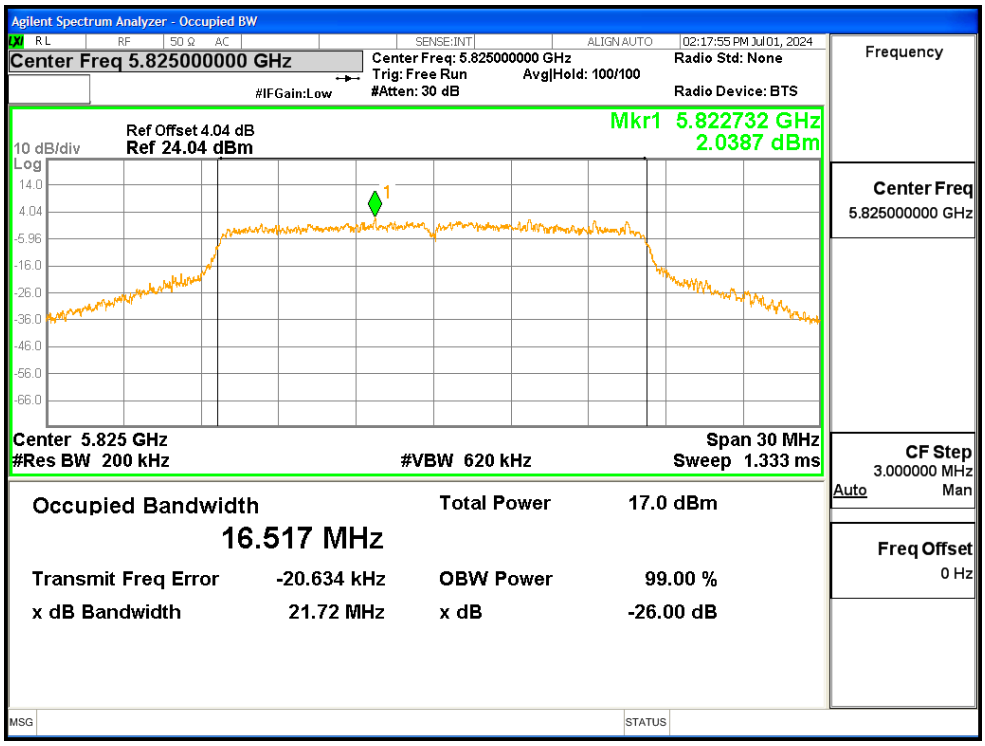
OBW NVNT a 5745MHz Ant1



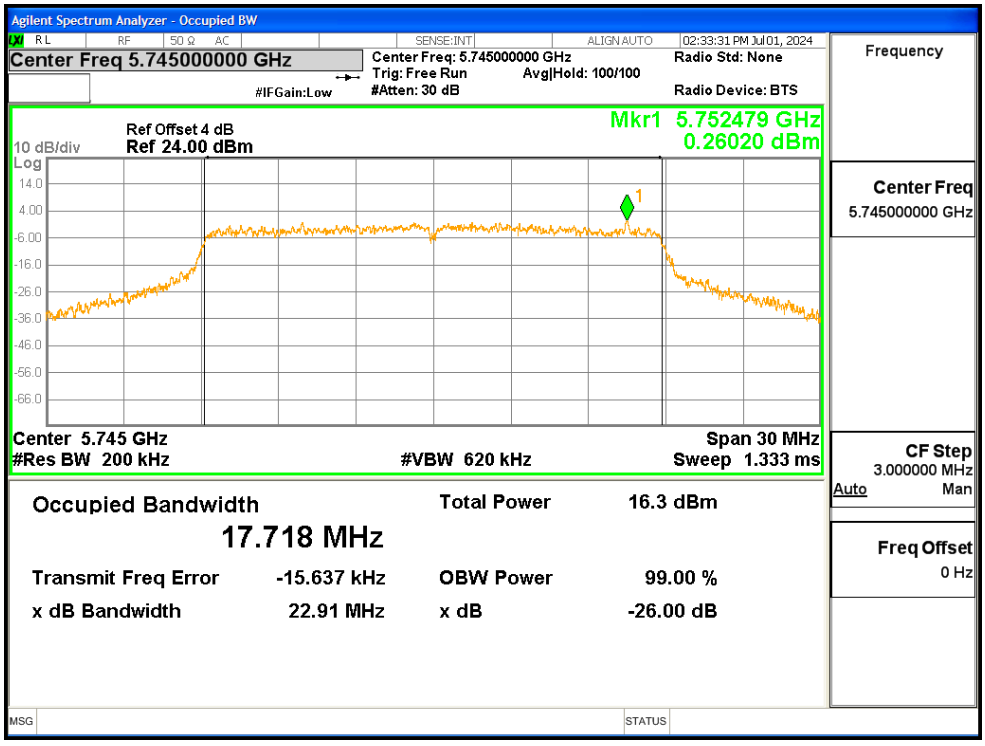
OBW NVNT a 5785MHz Ant1



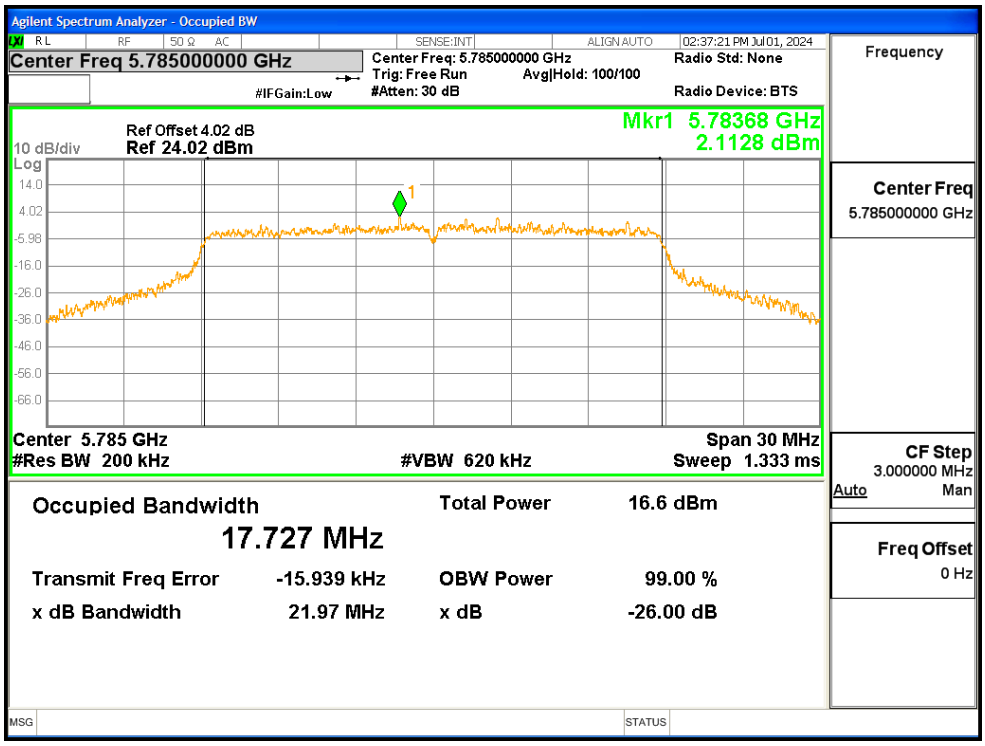
OBW NVNT a 5825MHz Ant1



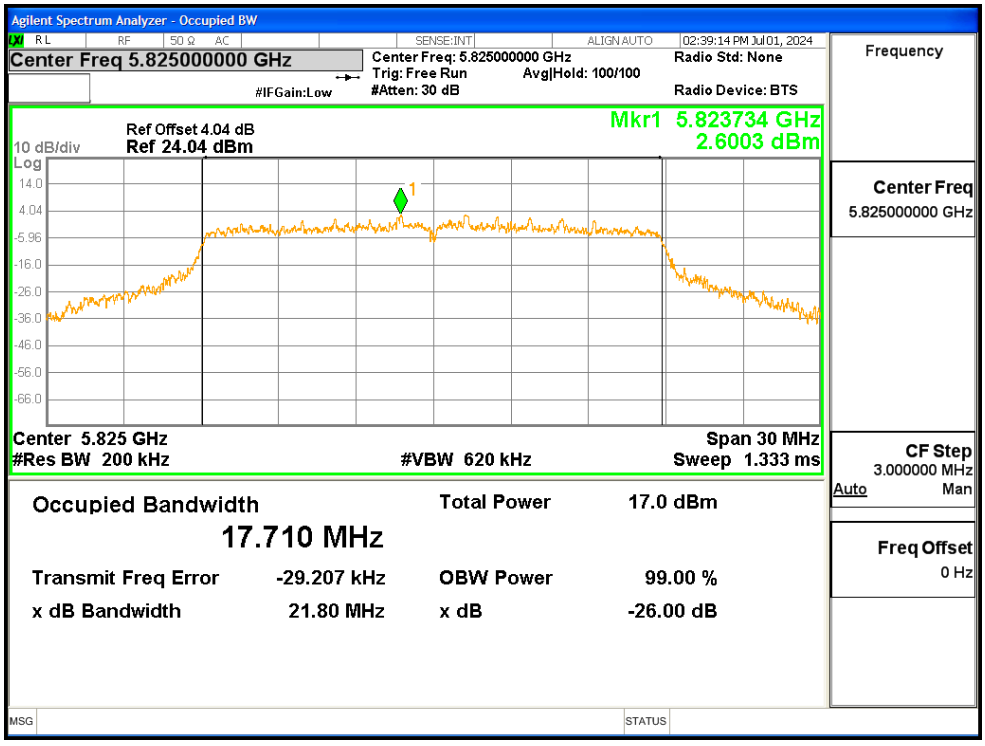
OBW NVNT n20 5745MHz Ant1



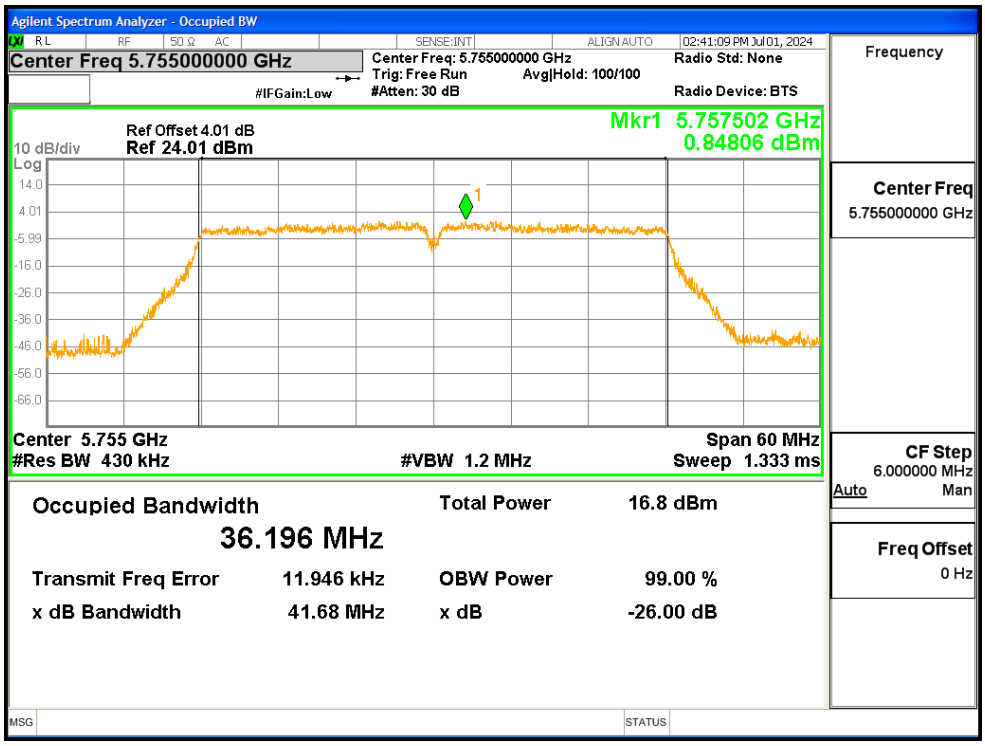
OBW NVNT n20 5785MHz Ant1



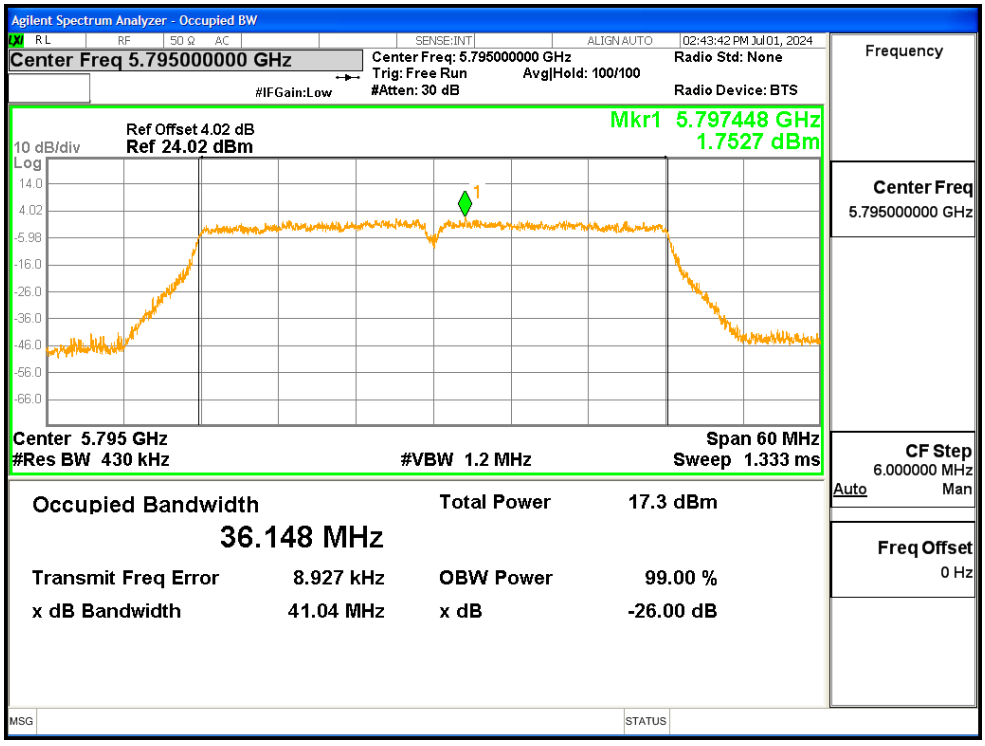
OBW NVNT n20 5825MHz Ant1



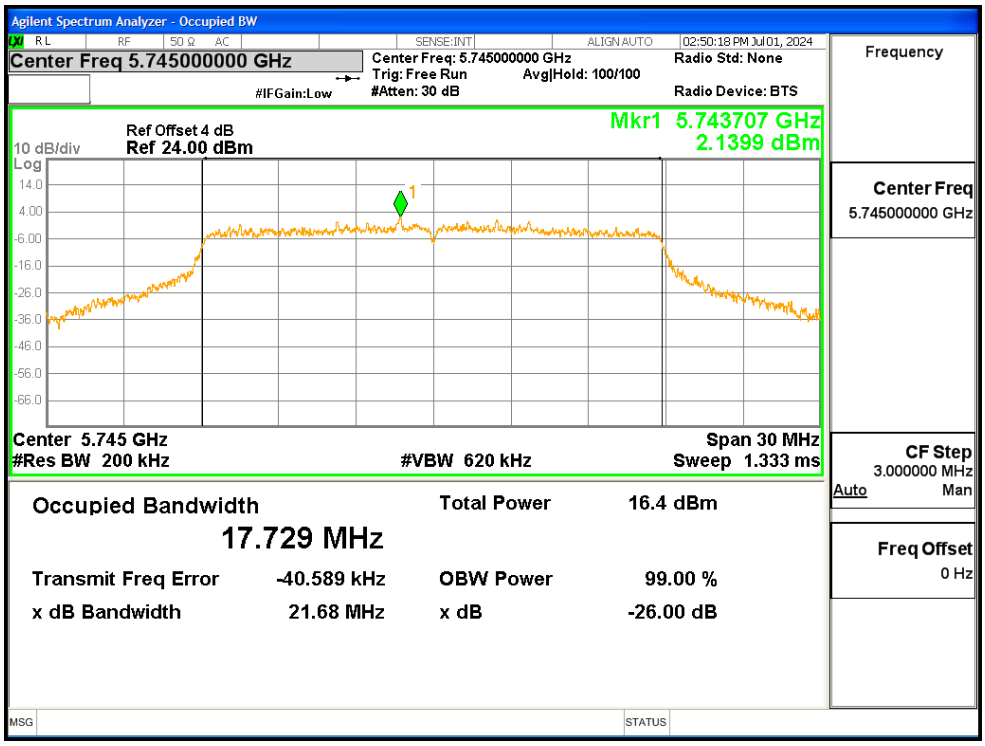
OBW NVNT n40 5755MHz Ant1



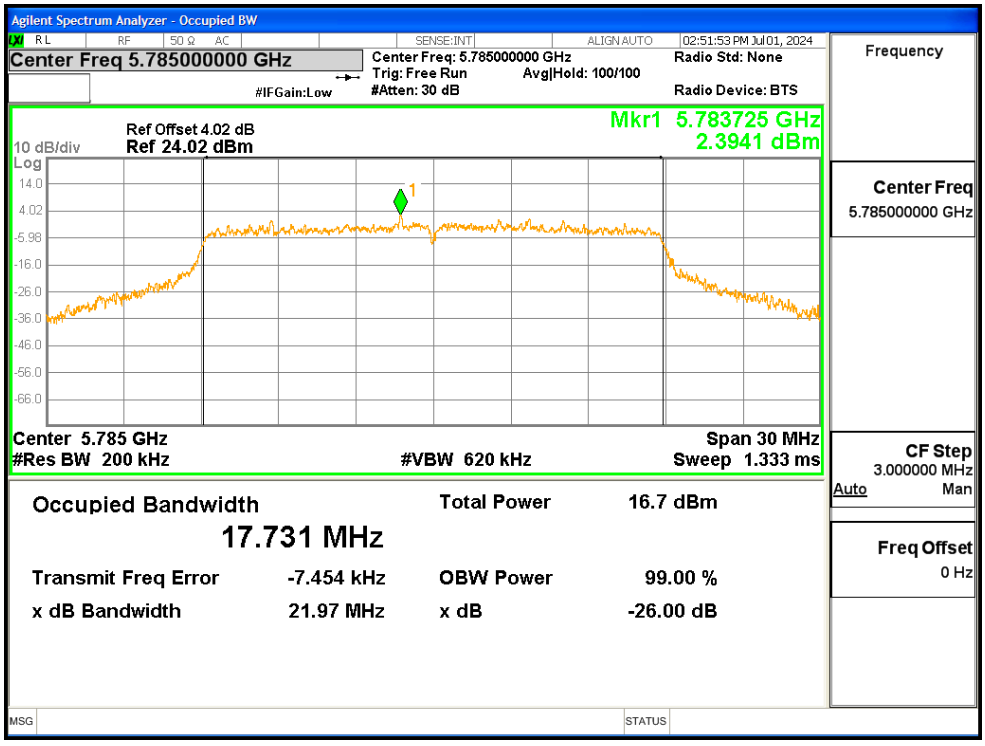
OBW NVNT n40 5795MHz Ant1



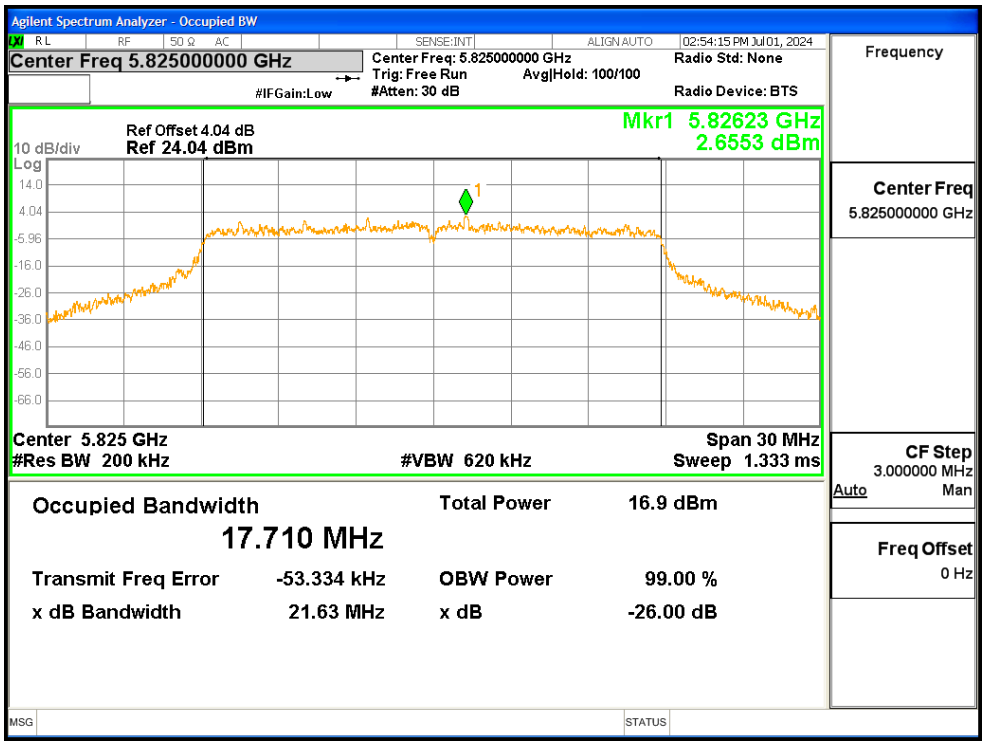
OBW NVNT ac20 5745MHz Ant1



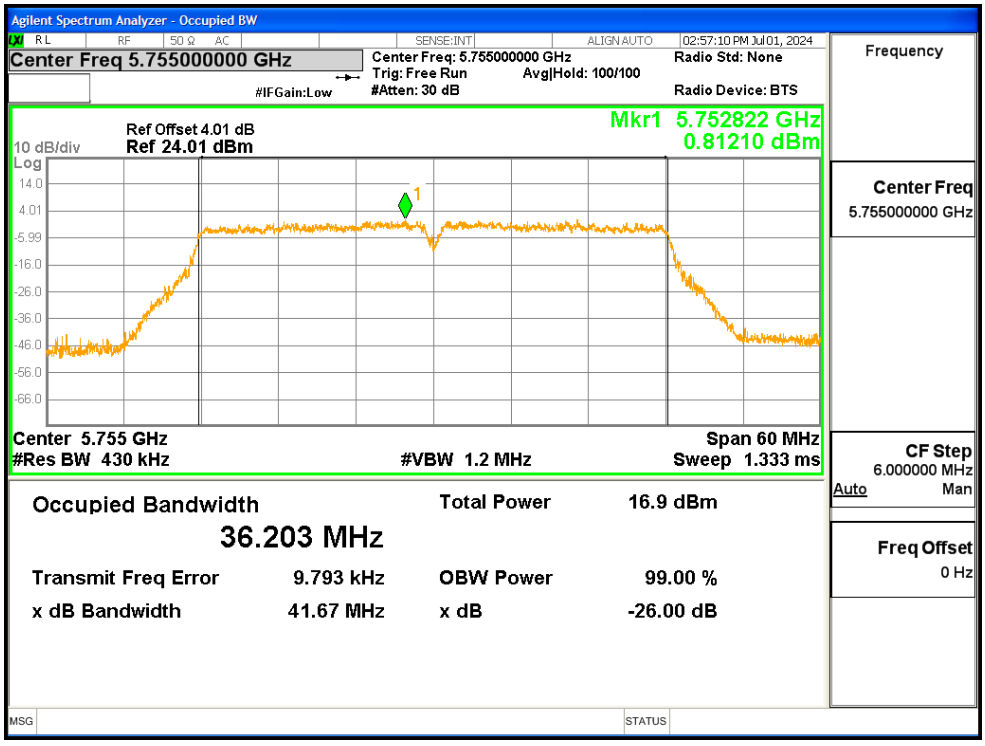
OBW NVNT ac20 5785MHz Ant1



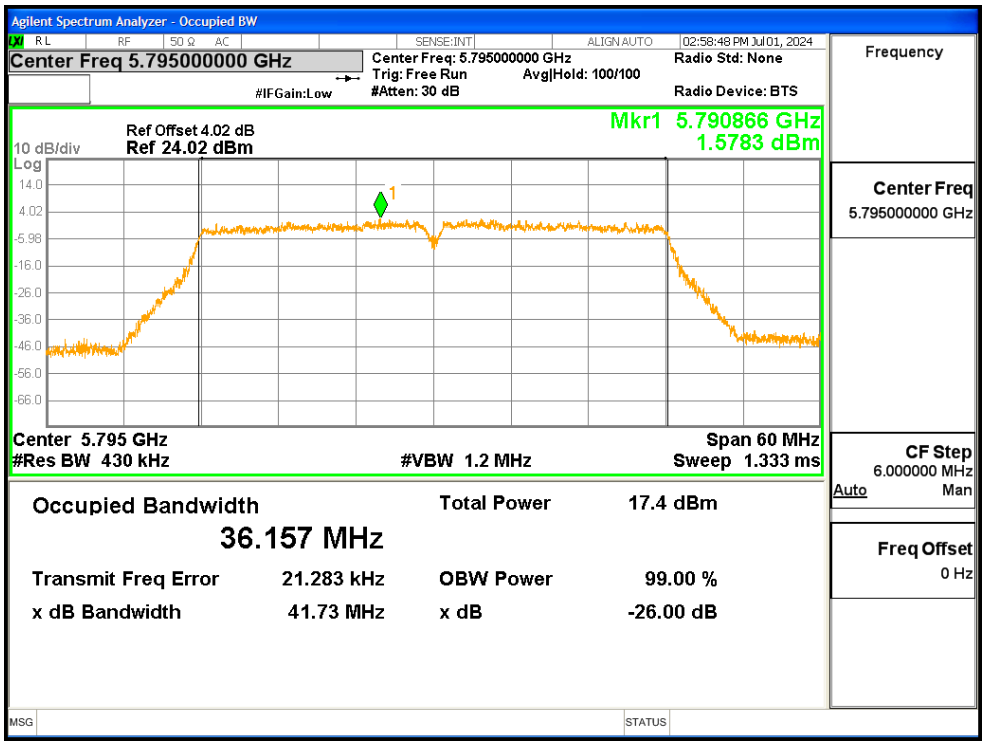
OBW NVNT ac20 5825MHz Ant1



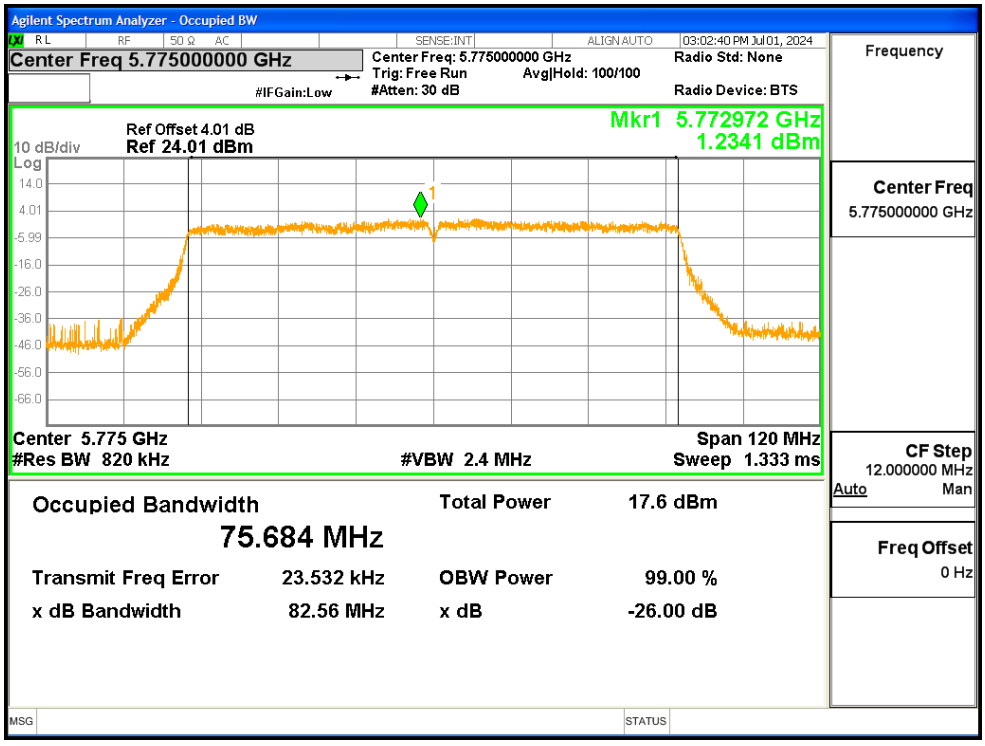
OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1



OBW NVNT ac80 5775MHz Ant1

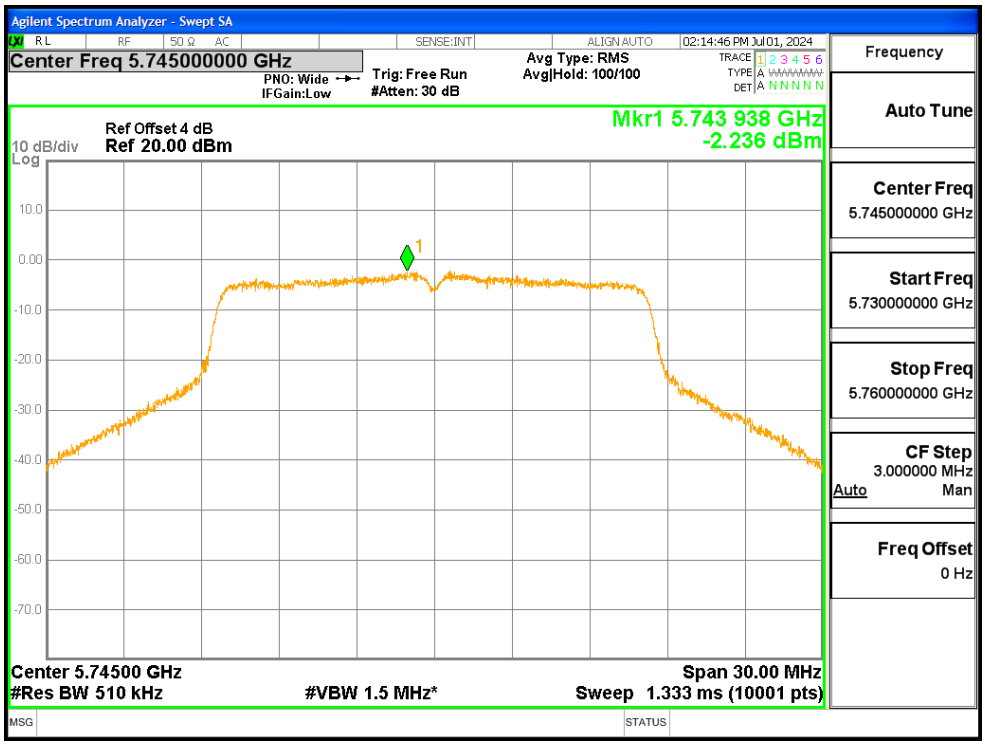


Maximum Power Spectral Density Level

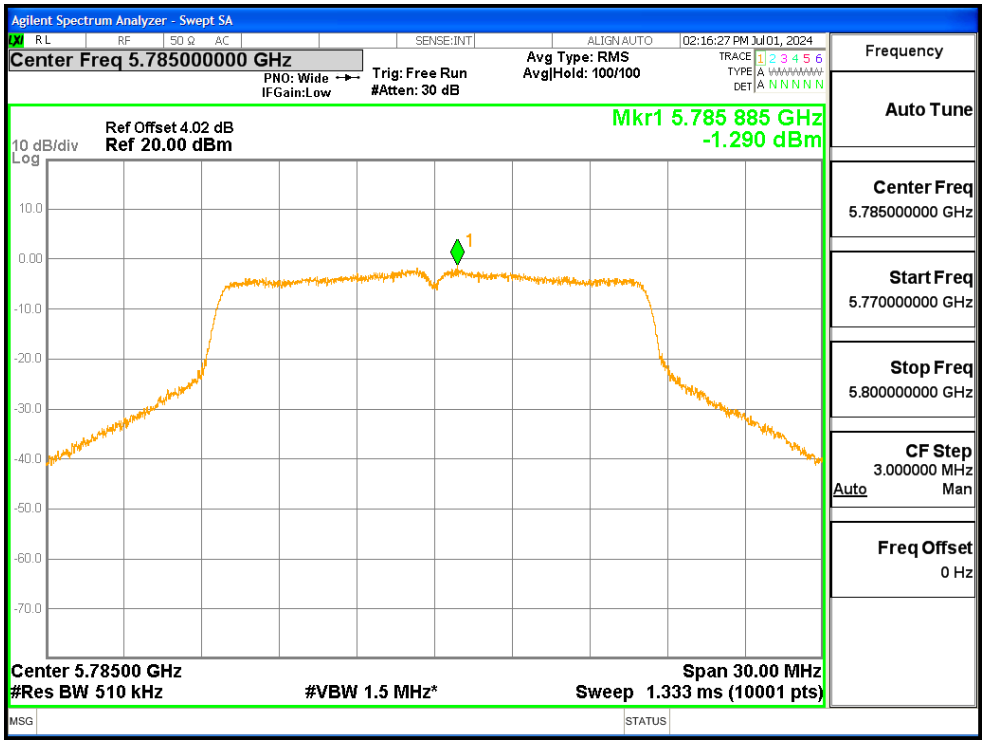
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-2.24	0.2	-2.04	30	Pass
		5785		-1.29	0.2	-1.09	30	Pass
		5825		-1.73	0.2	-1.53	30	Pass
	n20	5745		-2.25	0.23	-2.02	30	Pass
		5785		-2.29	0.23	-2.06	30	Pass
		5825		-2.29	0.22	-2.07	30	Pass
	n40	5755		-5.76	0.38	-5.38	30	Pass
		5795		-4.99	0.43	-4.56	30	Pass
	ac20	5745		-2.58	0.22	-2.36	30	Pass
		5785		-2.13	0.21	-1.92	30	Pass
		5825		-2.08	0.22	-1.86	30	Pass
	ac40	5755		-5.55	0.44	-5.11	30	Pass
		5795		-4.65	0.39	-4.26	30	Pass
	ac80	5775		-8.61	0.74	-7.87	30	Pass

Test Graphs

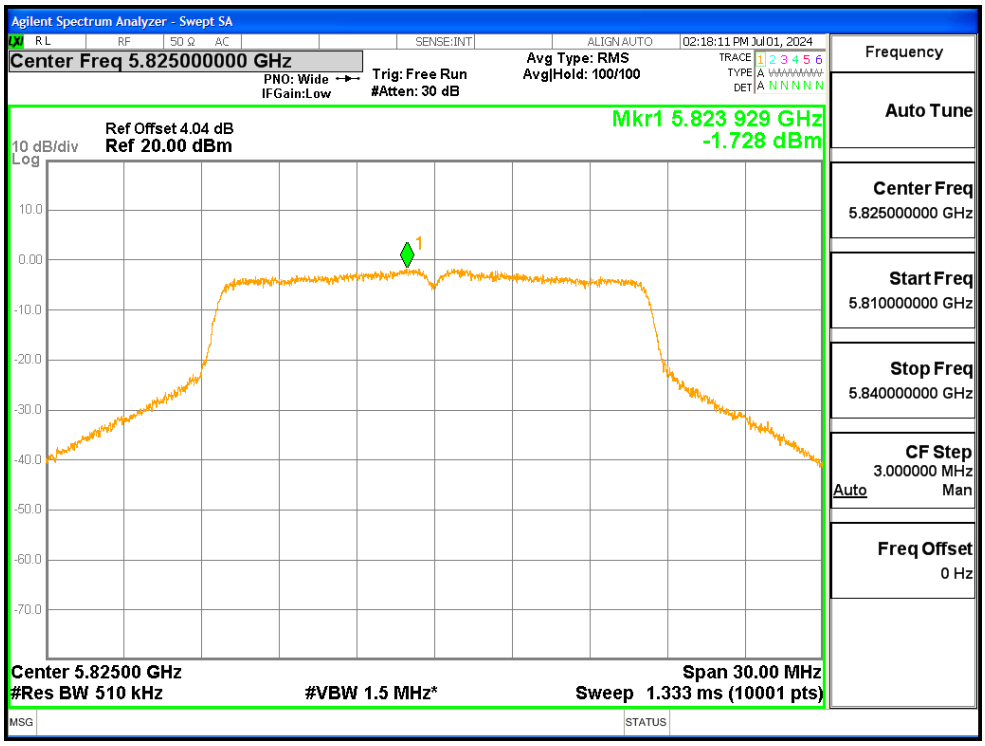
PSD NVNT a 5745MHz Ant1



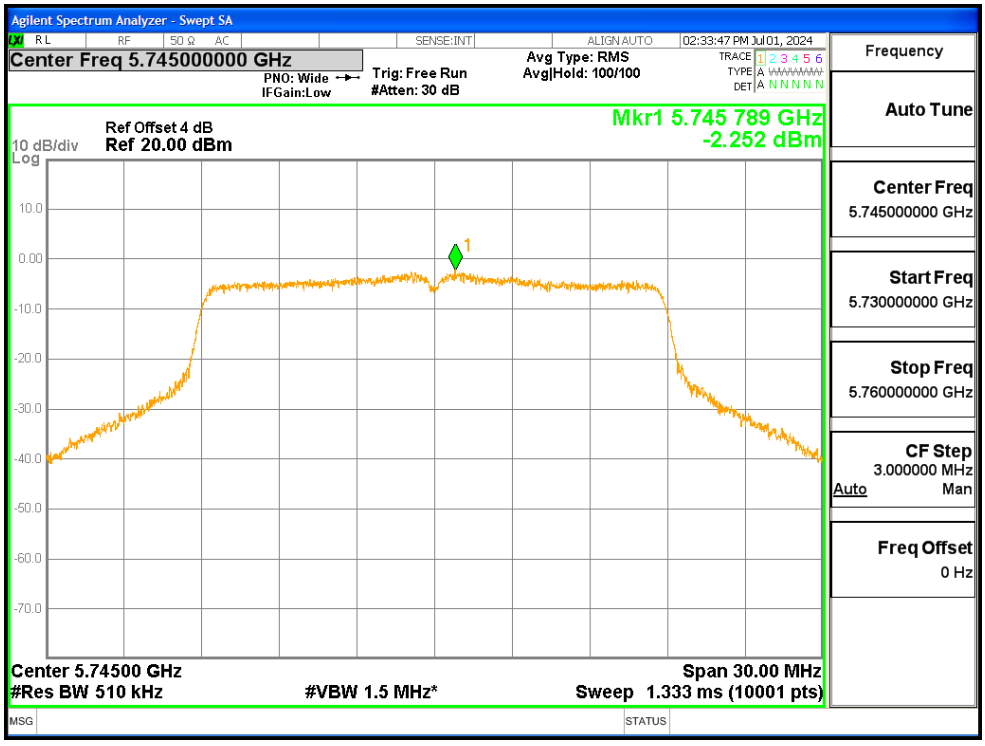
PSD NVNT a 5785MHz Ant1



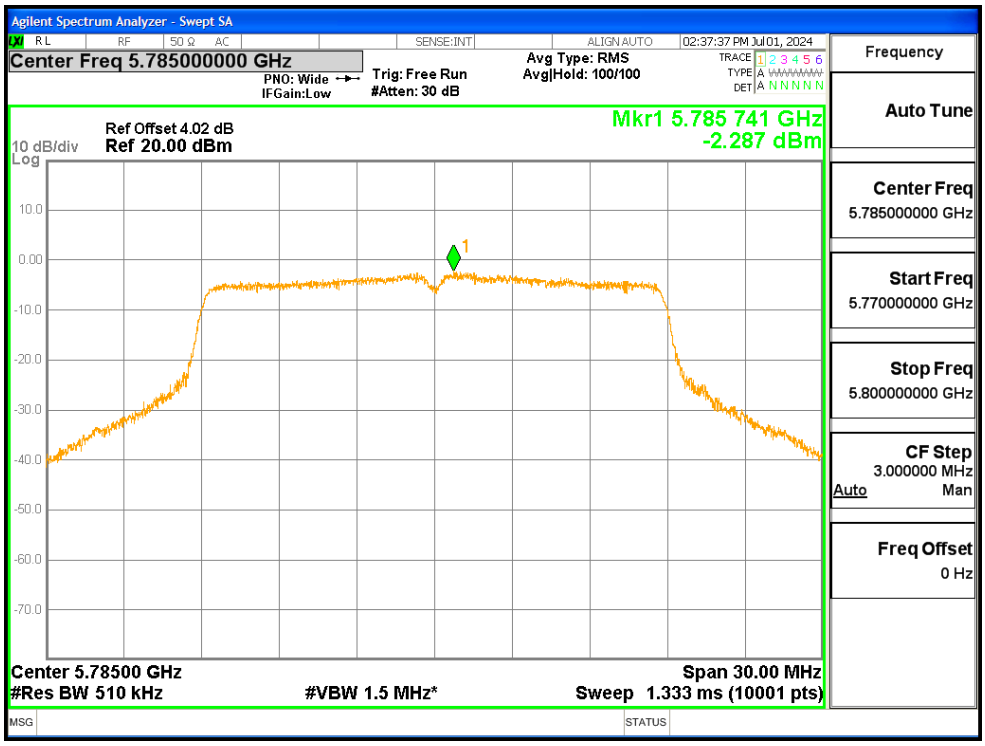
PSD NVNT a 5825MHz Ant1



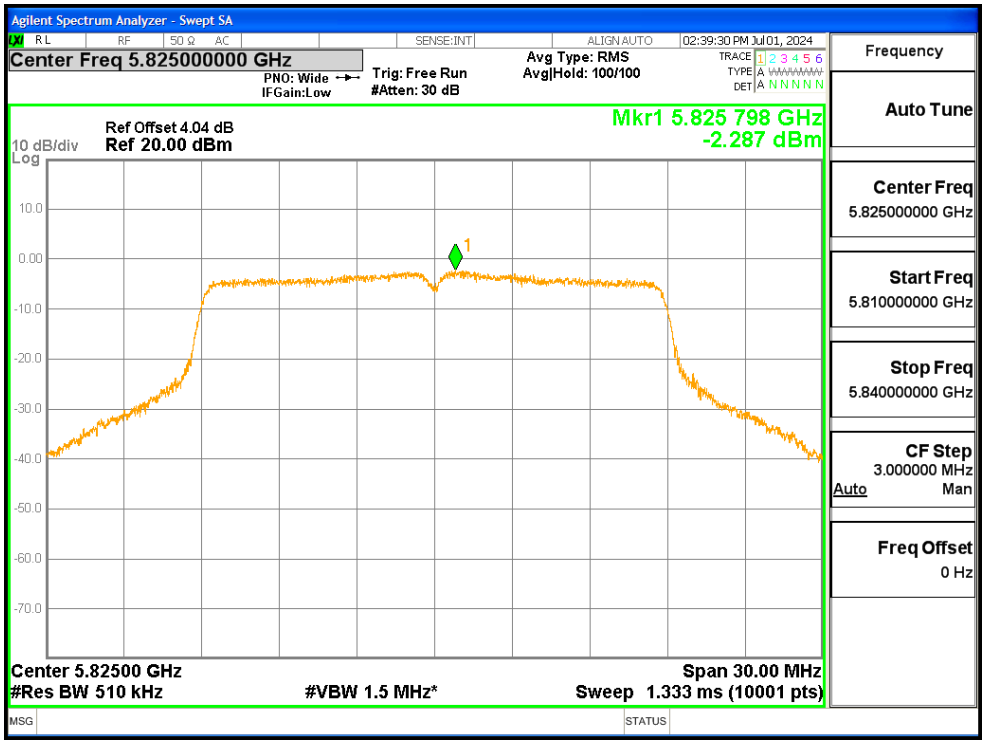
PSD NVNT n20 5745MHz Ant1



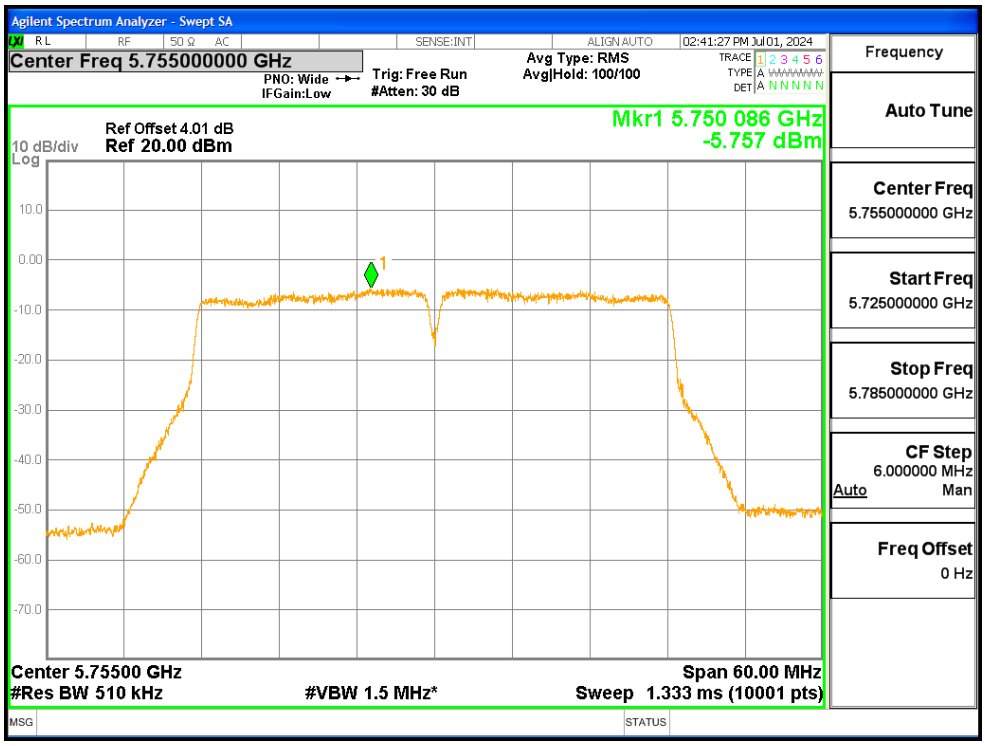
PSD NVNT n20 5785MHz Ant1



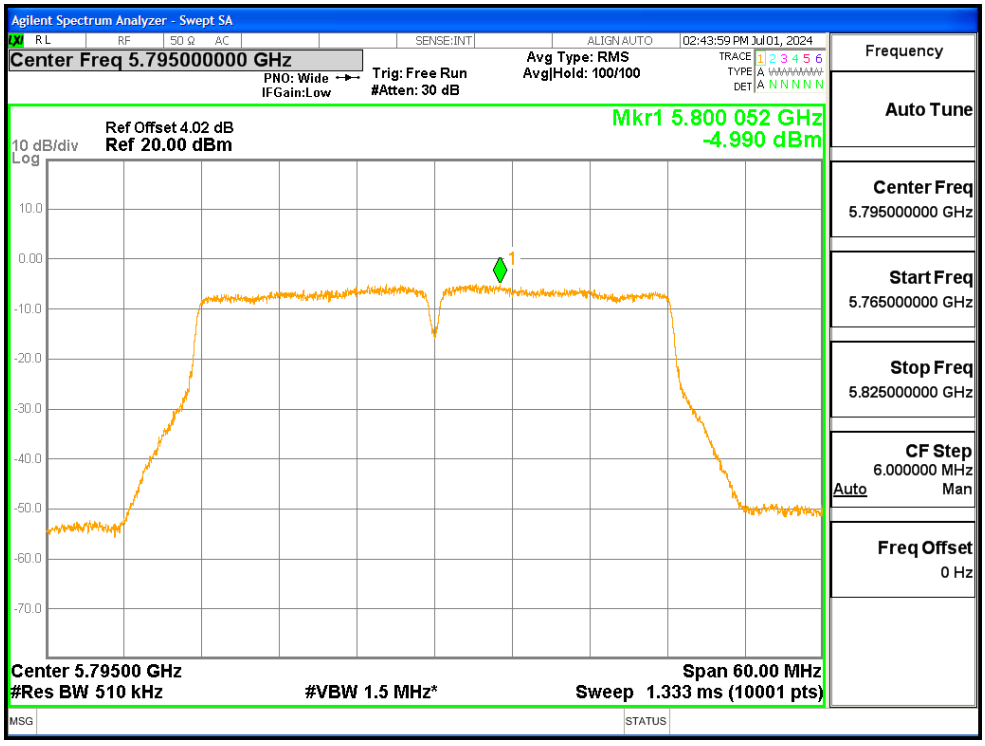
PSD NVNT n20 5825MHz Ant1



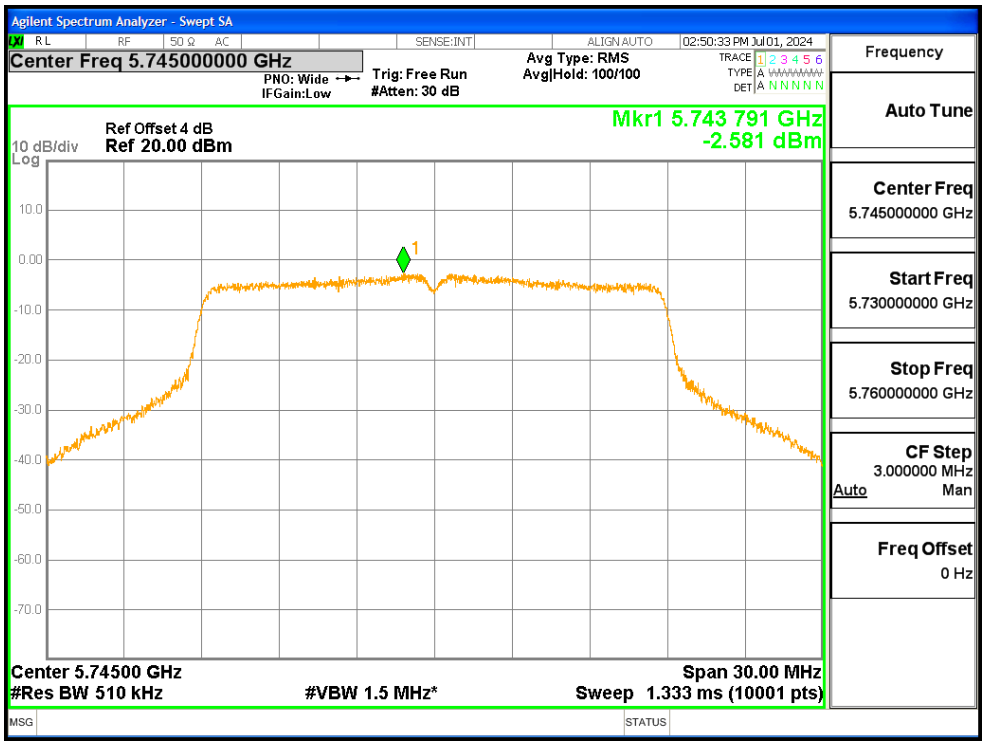
PSD NVNT n40 5755MHz Ant1



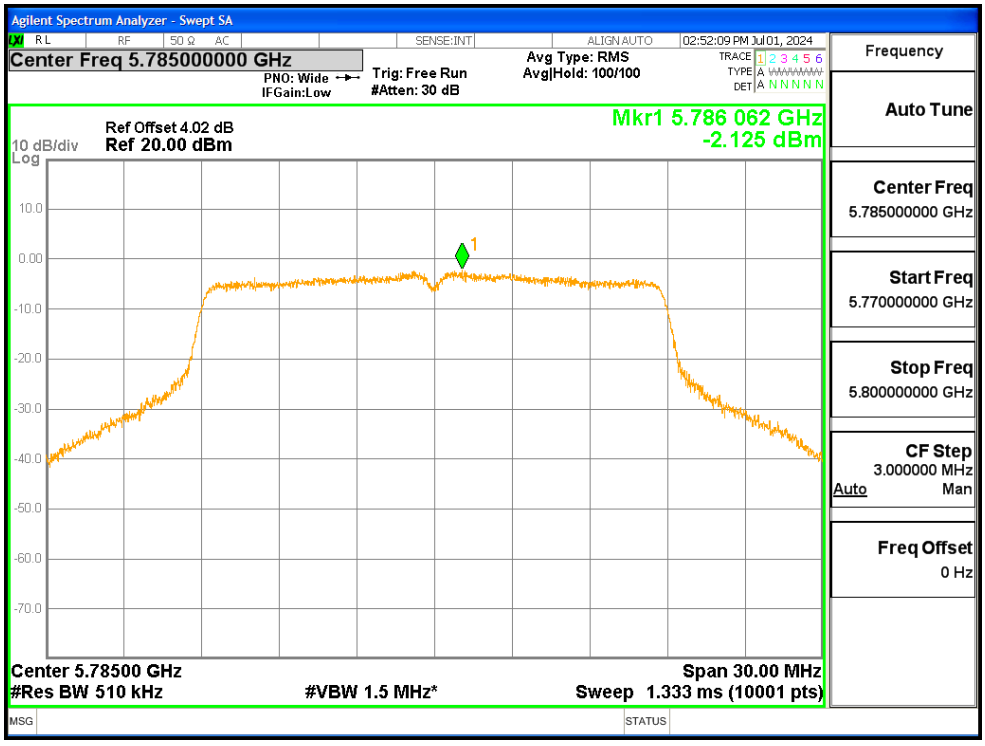
PSD NVNT n40 5795MHz Ant1



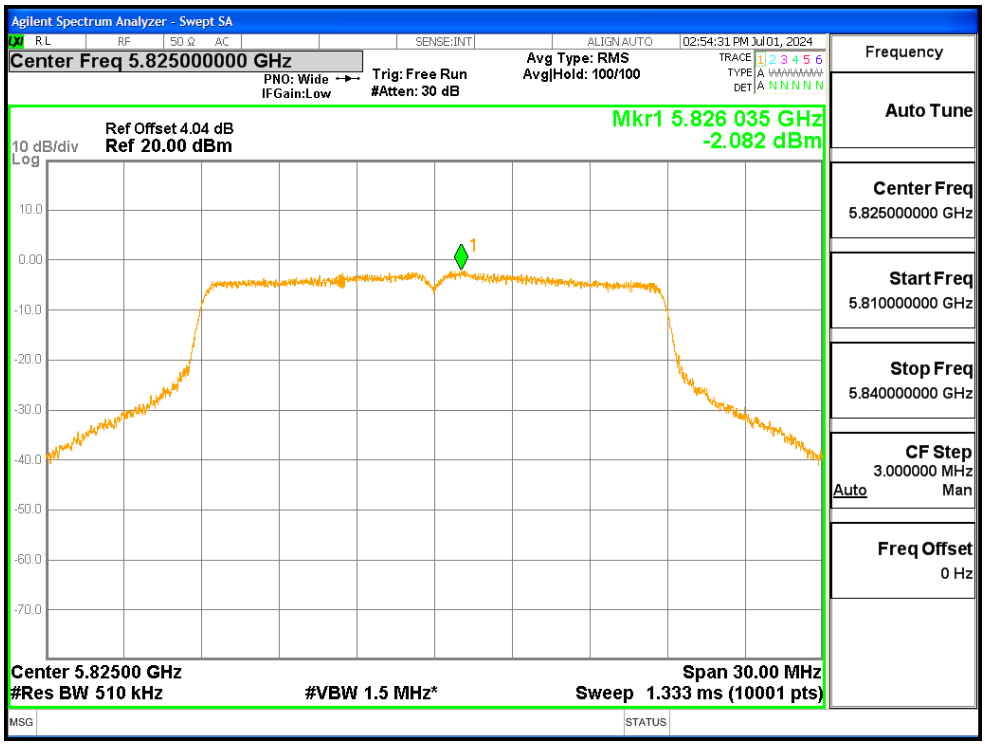
PSD NVNT ac20 5745MHz Ant1



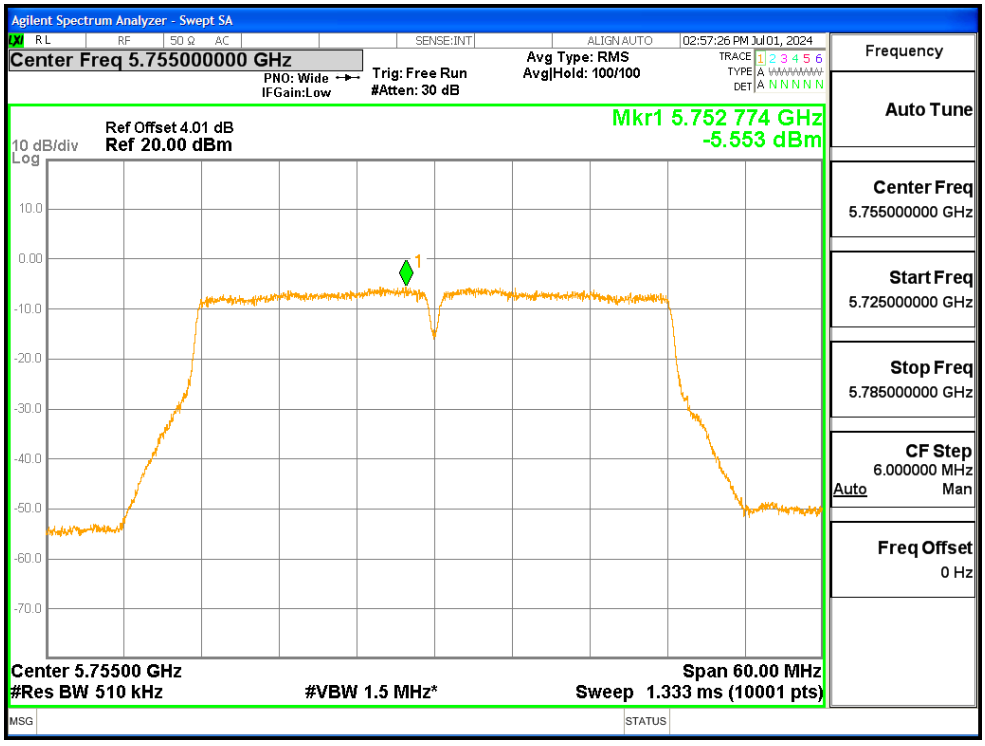
PSD NVNT ac20 5785MHz Ant1



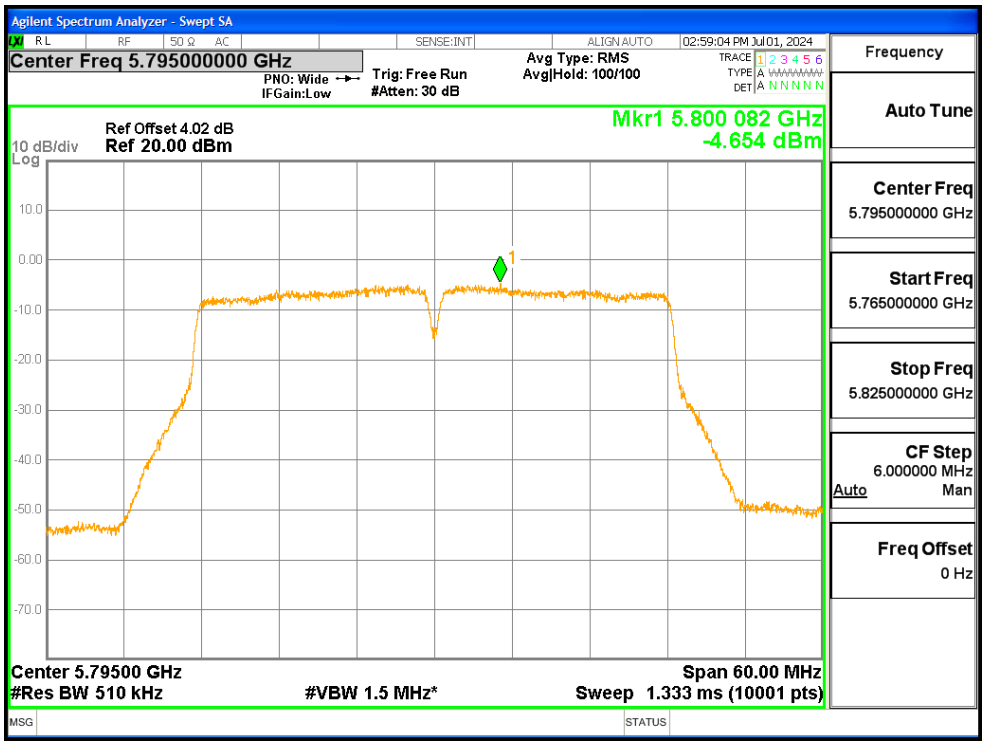
PSD NVNT ac20 5825MHz Ant1



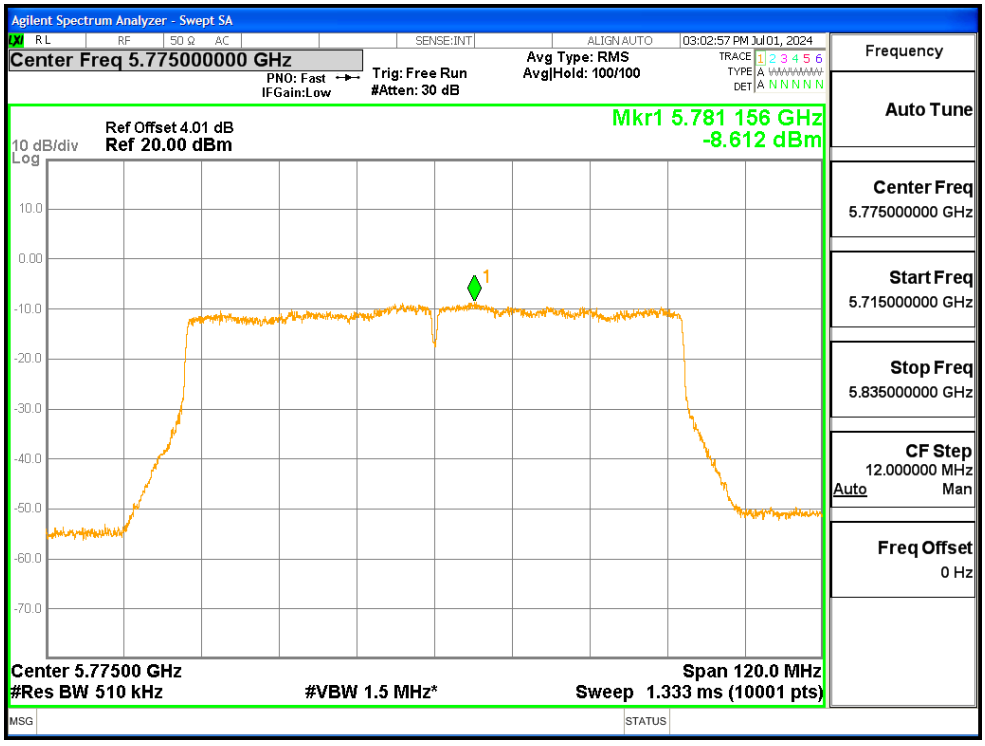
PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1

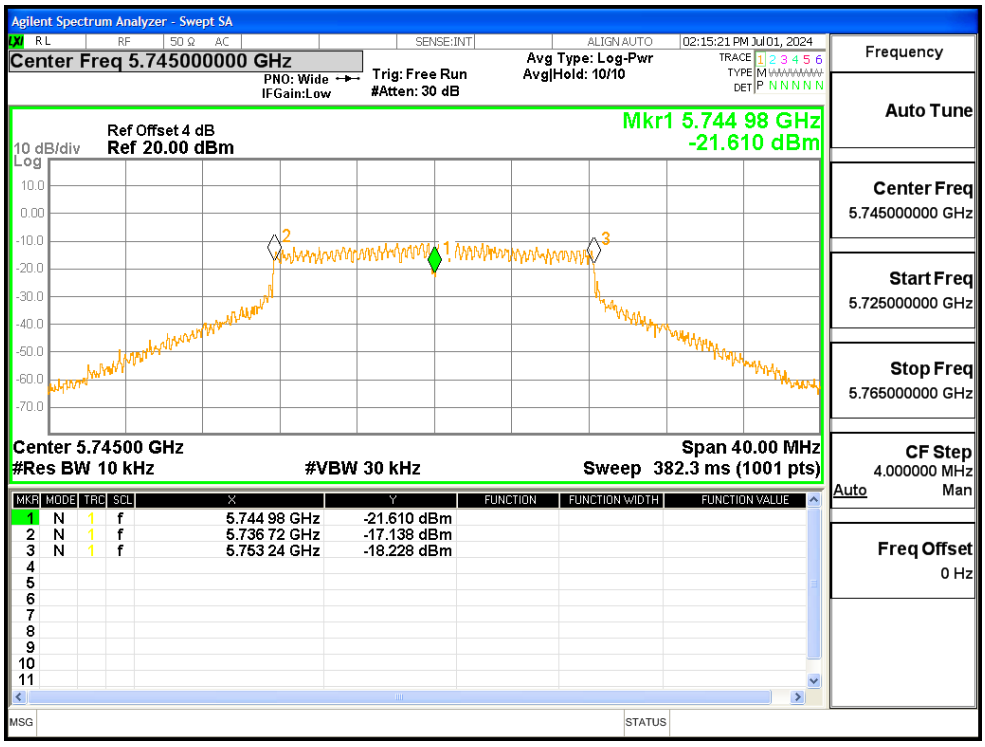


Frequency Stability

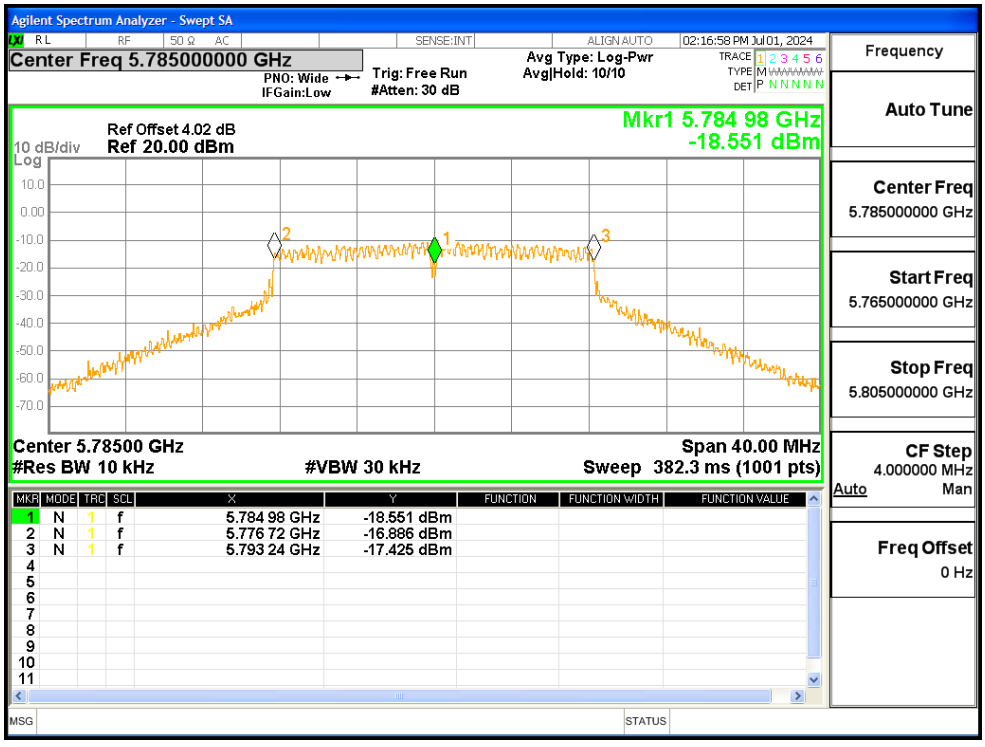
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
		5785		5784.98	-20000	-3.46	25	Pass
		5825		5824.98	-20000	-3.43	25	Pass
	n20	5745		5744.96	-40000	-6.96	25	Pass
		5785		5784.96	-40000	-6.91	25	Pass
		5825		5824.98	-20000	-3.43	25	Pass
	n40	5755		5755	0	0	25	Pass
		5795		5794.96	-40000	-6.9	25	Pass
	ac20	5745		5744.96	-40000	-6.96	25	Pass
		5785		5784.96	-40000	-6.91	25	Pass
		5825		5824.96	-40000	-6.87	25	Pass
	ac40	5755		5755	0	0	25	Pass
		5795		5795	0	0	25	Pass
	ac80	5775		5775	0	0	25	Pass

Test Graphs

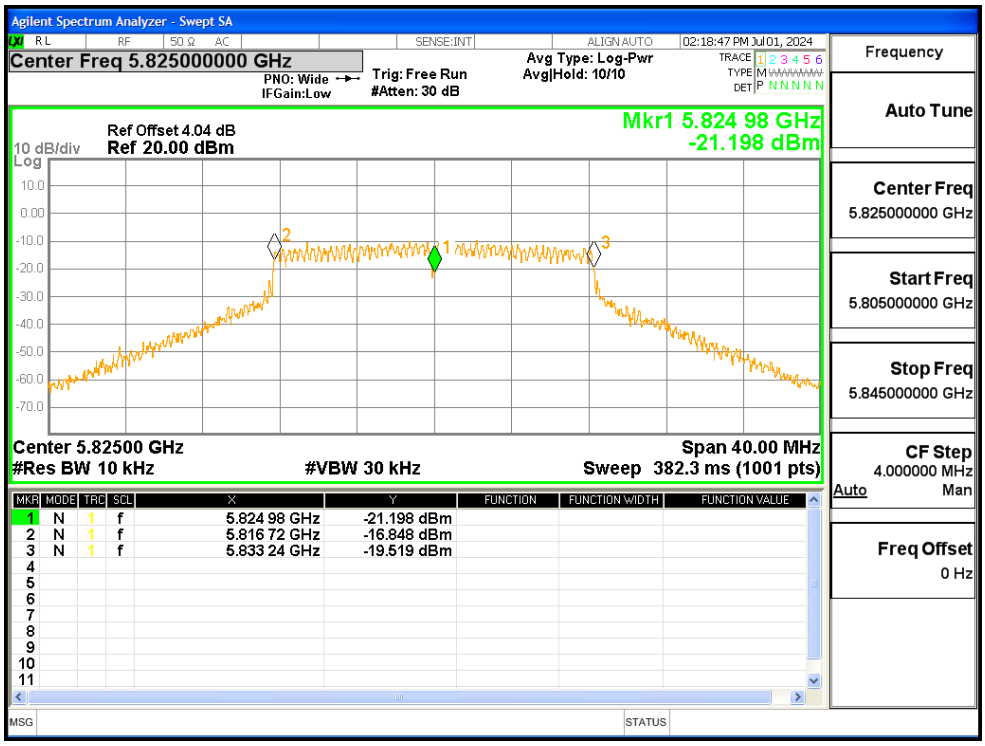
Freq. Stability NVNT a 5745MHz Ant1



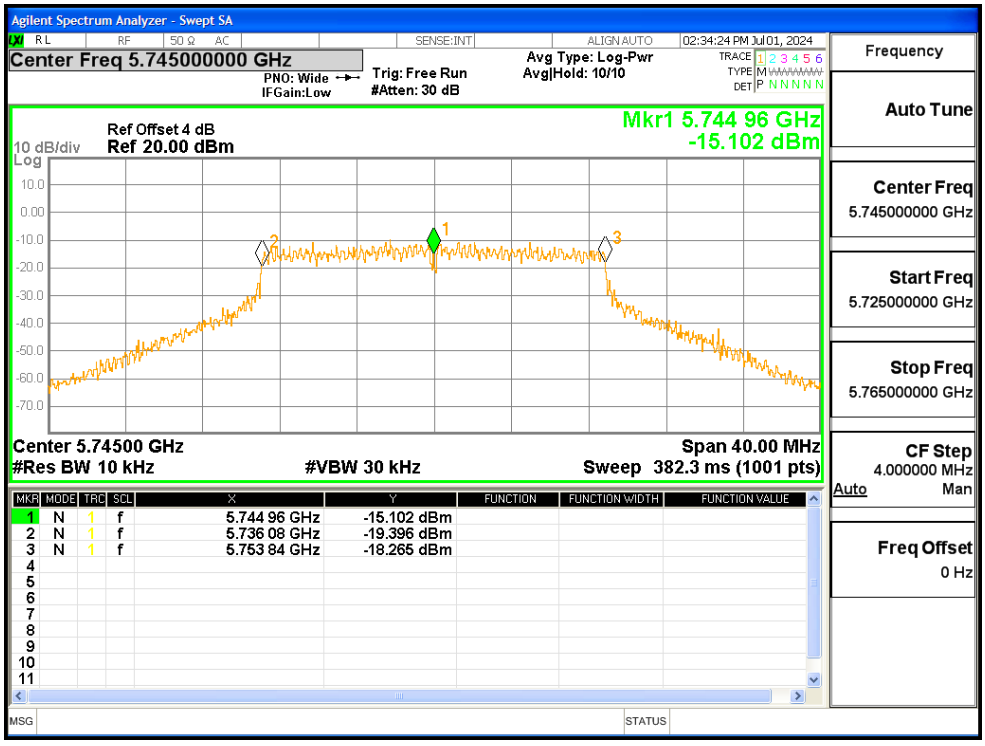
Freq. Stability NVNT a 5785MHz Ant1



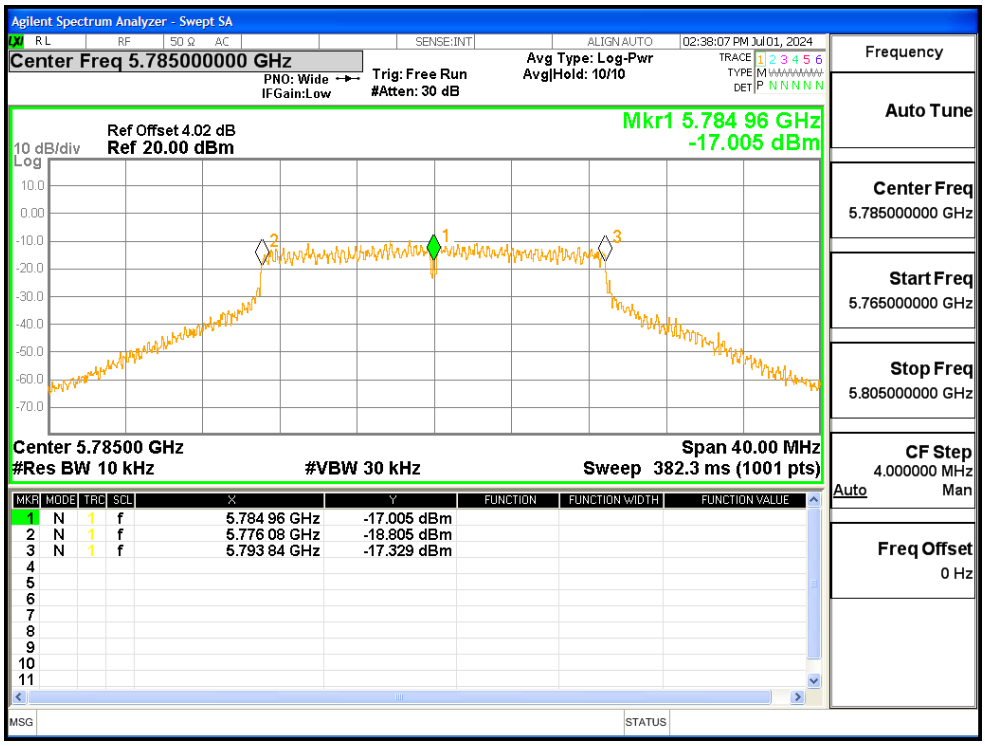
Freq. Stability NVNT a 5825MHz Ant1



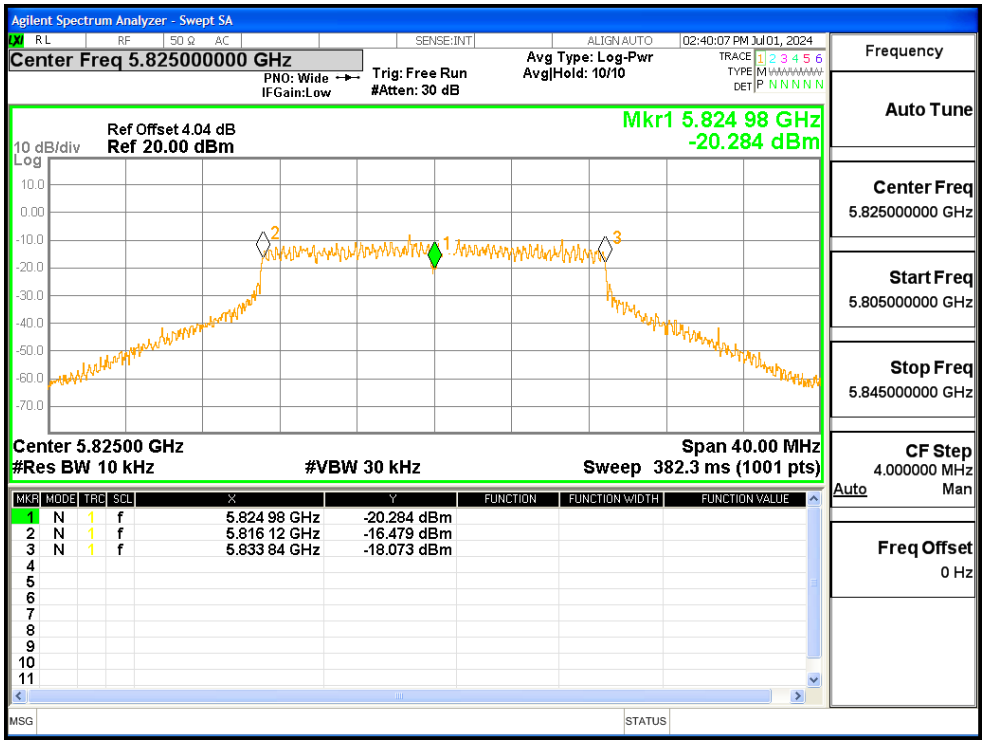
Freq. Stability NVNT n20 5745MHz Ant1



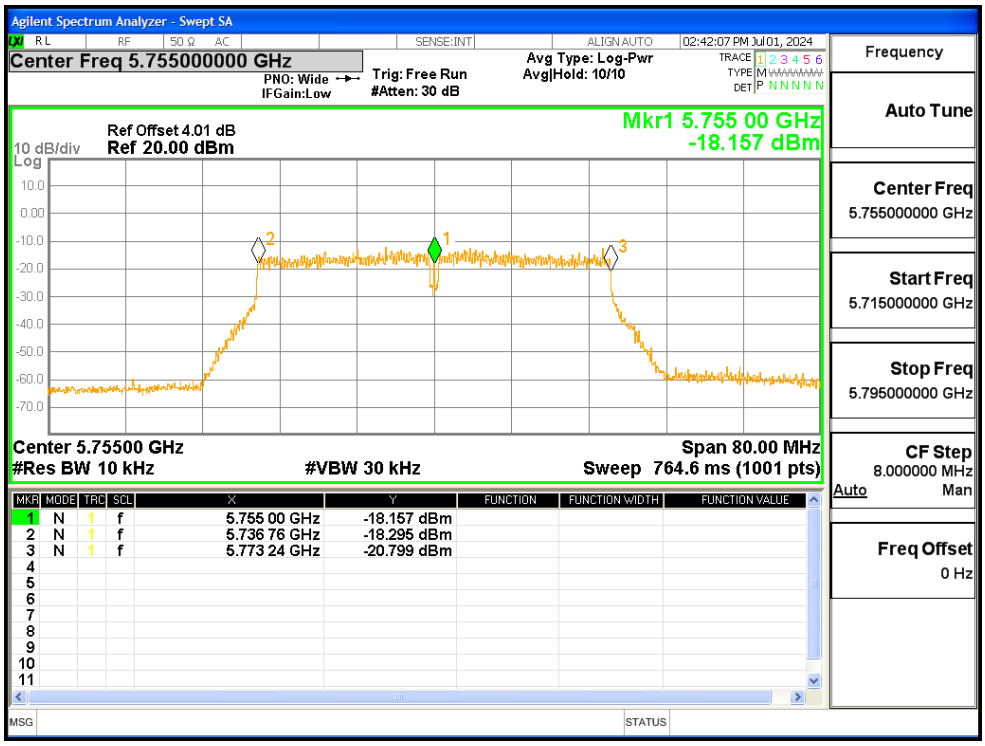
Freq. Stability NVNT n20 5785MHz Ant1



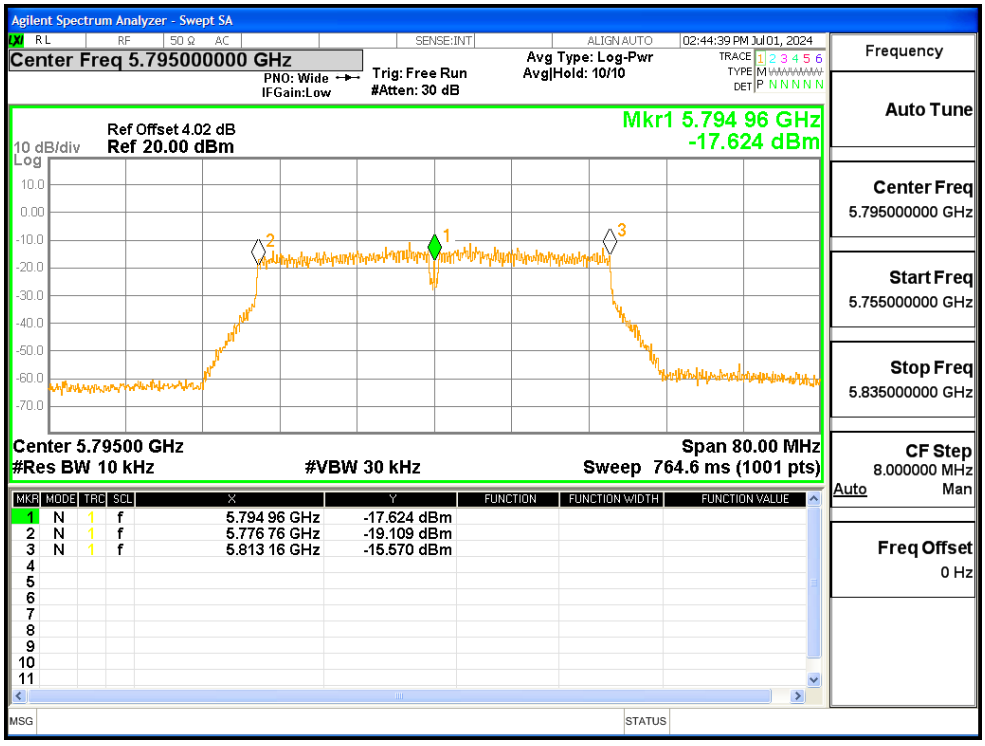
Freq. Stability NVNT n20 5825MHz Ant1



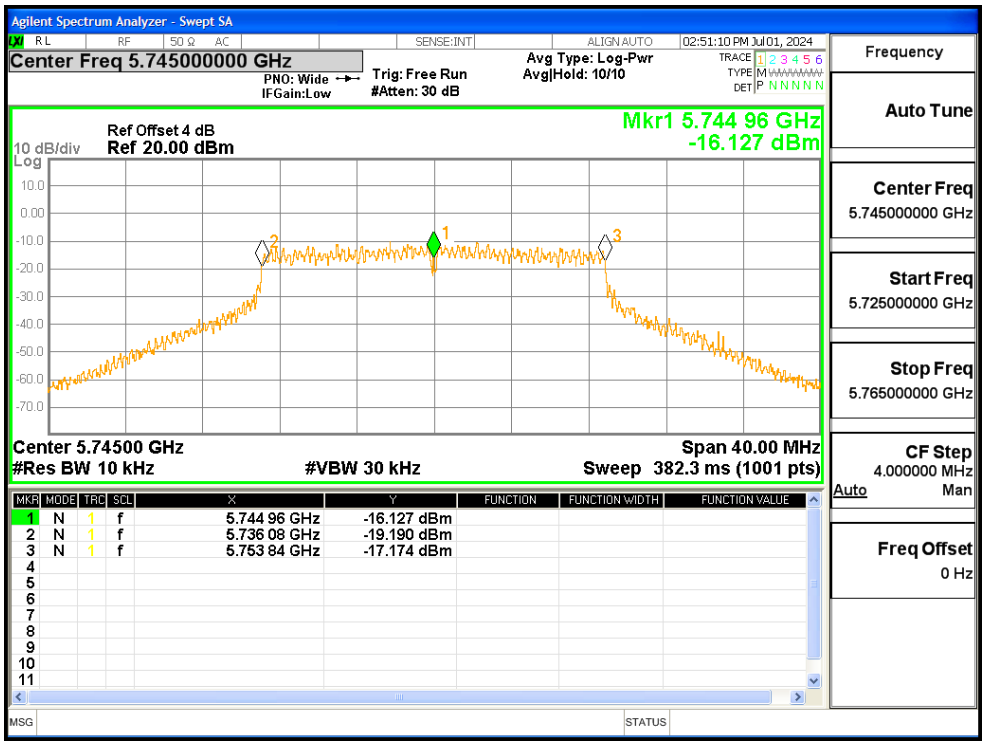
Freq. Stability NVNT n40 5755MHz Ant1



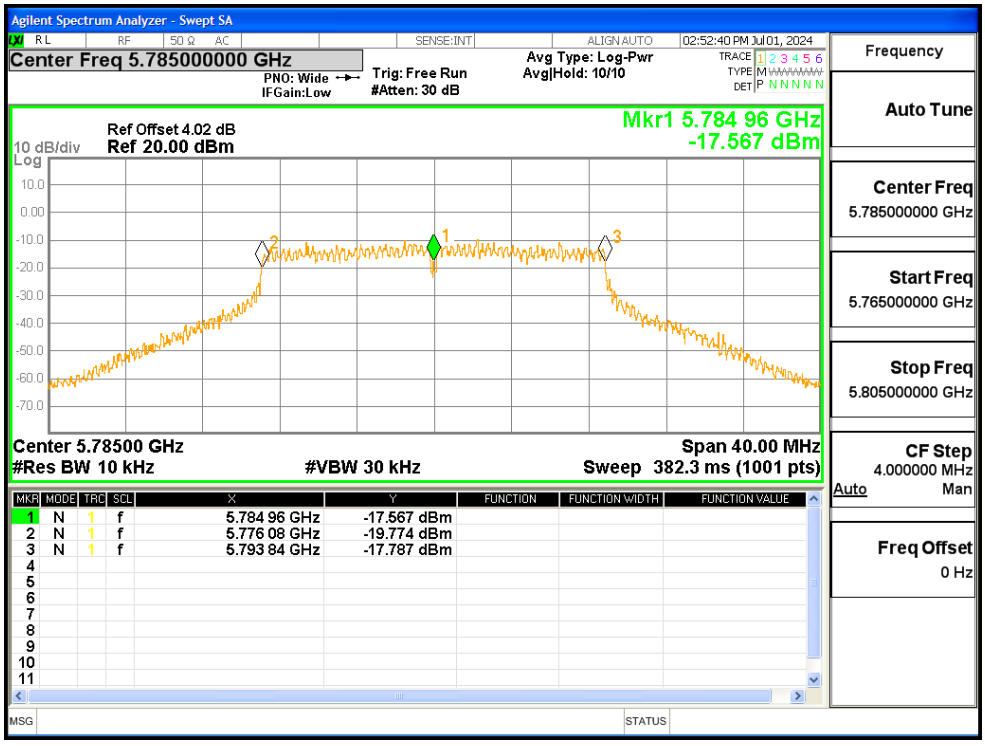
Freq. Stability NVNT n40 5795MHz Ant1



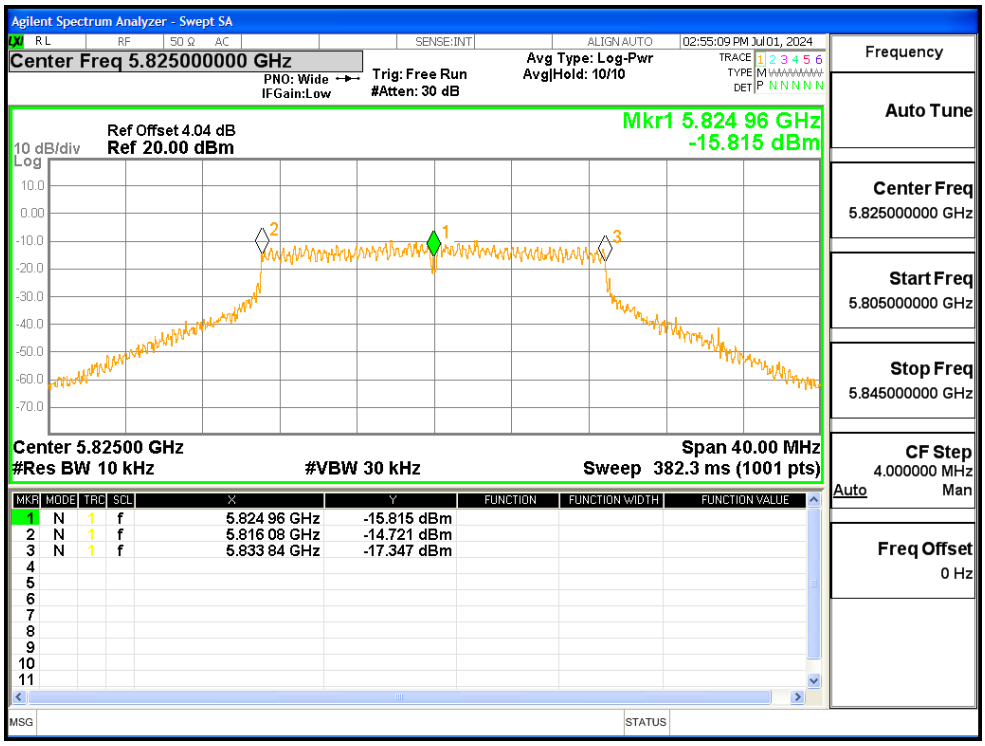
Freq. Stability NVNT ac20 5745MHz Ant1



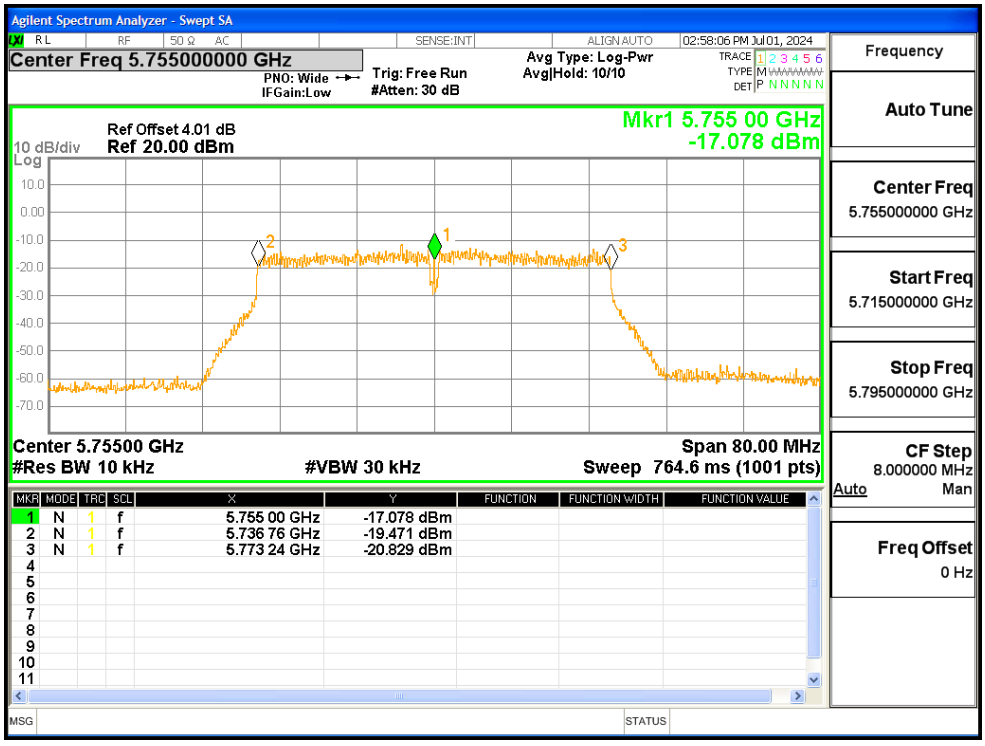
Freq. Stability NVNT ac20 5785MHz Ant1



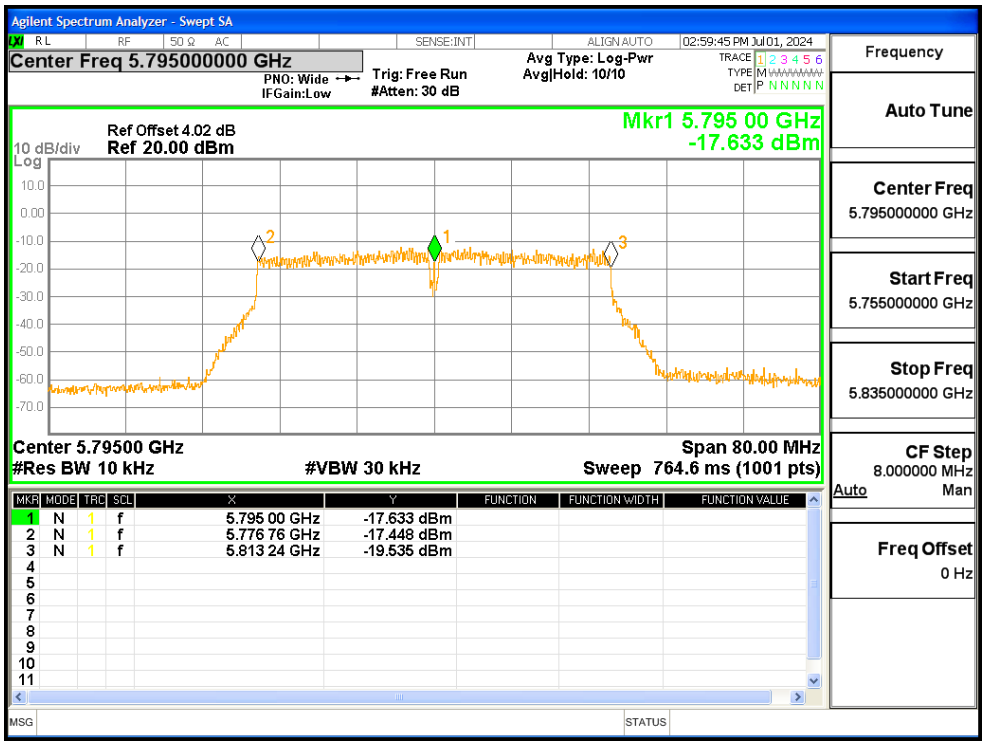
Freq. Stability NVNT ac20 5825MHz Ant1



Freq. Stability NVNT ac40 5755MHz Ant1



Freq. Stability NVNT ac40 5795MHz Ant1



Freq. Stability NVNT ac80 5775MHz Ant1