MIMO

Condition	Mode	Frequency (MHz)	Ant0 Power (dBm)	Ant1 Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Detector	Limit (dBm)	Verdict
NVNT	n20	5745	-49.99	-47.74	7.15	-38.56	Peak	-27	Pass
NVNT	n20	5745	-56.93	-56.95	7.15	-46.78	Average	-27	Pass
NVNT	n20	5745	-48.56	-48.66	7.15	-38.45	Peak	10	Pass
NVNT	n20	5745	-56.36	-56.14	7.15	-46.09	Average	10	Pass
NVNT	n20	5745	-46.34	-46.58	7.15	-36.30	Peak	15.6	Pass
NVNT	n20	5745	-55.02	-54.82	7.15	-44.76	Average	15.6	Pass
NVNT	n20	5745	-42.91	-42.95	7.15	-32.77	Peak	27	Pass
NVNT	n20	5745	-52.15	-50.98	7.15	-41.37	Average	27	Pass
NVNT	n20	5825	-45.32	-47.39	7.15	-36.07	Peak	27	Pass
NVNT	n20	5825	-54.67	-54.73	7.15	-44.54	Average	27	Pass
NVNT	n20	5825	-48.26	-46.9	7.15	-37.37	Peak	15.6	Pass
NVNT	n20	5825	-55.34	-56.22	7.15	-45.60	Average	15.6	Pass
NVNT	n20	5825	-47.87	-48.1	7.15	-37.82	Peak	10	Pass
NVNT	n20	5825	-56.36	-56.17	7.15	-46.10	Average	10	Pass
NVNT	n20	5825	-48.63	-48.47	7.15	-38.39	Peak	-27	Pass
NVNT	n20	5825	-56.48	-56.32	7.15	-46.24	Average	-27	Pass
NVNT	n40	5755	-45.42	-48.05	7.15	-36.38	Peak	-27	Pass
NVNT	n40	5755	-56.76	-56.79	7.15	-46.61	Average	-27	Pass
NVNT	n40	5755	-48.76	-47.95	7.15	-38.18	Peak	10	Pass
NVNT	n40	5755	-56.22	-56.04	7.15	-45.97	Average	10	Pass
NVNT	n40	5755	-43.53	-43.7	7.15	-33.45	Peak	15.6	Pass
NVNT	n40	5755	-52.2	-52.07	7.15	-41.97	Average	15.6	Pass
NVNT	n40	5755	-42.39	-42.04	7.15	-32.05	Peak	27	Pass
NVNT	n40	5755	-50.79	-49.9	7.15	-40.16	Average	27	Pass
NVNT	n40	5795	-46.79	-49.39	7.15	-37.74	Peak	27	Pass
NVNT	n40	5795	-56.47	-56.78	7.15	-46.46	Average	27	Pass
NVNT	n40	5795	-47.58	-48.08	7.15	-37.66	Peak	15.6	Pass
NVNT	n40	5795	-56.58	-56.76	7.15	-46.51	Average	15.6	Pass
NVNT	n40	5795	-48.6	-49.21	7.15	-38.73	Peak	10	Pass
NVNT	n40	5795	-57.05	-56.36	7.15	-46.53	Average	10	Pass
NVNT	n40	5795	-48.37	-47.44	7.15	-37.72	Peak	-27	Pass
NVNT	n40	5795	-57.38	-56.99	7.15	-47.02	Average	-27	Pass
NVNT	ac20	5745	-47.49	-49.57	7.15	-38.25	Peak	-27	Pass
NVNT	ac20	5745	-57.36	-56.89	7.15	-46.96	Average	-27	Pass
NVNT	ac20	5745	-47.15	-48.96	7.15	-37.80	Peak	10	Pass
NVNT	ac20	5745	-56.39	-56.19	7.15	-46.13	Average	10	Pass
NVNT	ac20	5745	-47.17	-45.88	7.15	-36.32	Peak	15.6	Pass

NVNT	ac20	5745	-54.93	-54.01	7.15	-44.29	Average	15.6	Pass
NVNT	ac20	5745	-41.37	-38.07	7.15	-29.25	Peak	27	Pass
NVNT	ac20	5745	-51.31	-51.14	7.15	-41.06	Average	27	Pass
NVNT	ac20	5825	-46.83	-45.42	7.15	-35.91	Peak	27	Pass
NVNT	ac20	5825	-55.07	-55.41	7.15	-45.08	Average	27	Pass
NVNT	ac20	5825	-47.31	-46.48	7.15	-36.71	Peak	15.6	Pass
NVNT	ac20	5825	-55.6	-55.42	7.15	-45.35	Average	15.6	Pass
NVNT	ac20	5825	-47.57	-47.23	7.15	-37.24	Peak	10	Pass
NVNT	ac20	5825	-56.11	-56.54	7.15	-46.16	Average	10	Pass
NVNT	ac20	5825	-46.02	-48.54	7.15	-36.94	Peak	-27	Pass
NVNT	ac20	5825	-56.59	-56.6	7.15	-46.43	Average	-27	Pass
NVNT	ac40	5755	-48.48	-49.3	7.15	-38.71	Peak	-27	Pass
NVNT	ac40	5755	-57.15	-56.71	7.15	-46.76	Average	-27	Pass
NVNT	ac40	5755	-48.87	-48.32	7.15	-38.43	Peak	10	Pass
NVNT	ac40	5755	-55.82	-55.87	7.15	-45.68	Average	10	Pass
NVNT	ac40	5755	-43.22	-43.31	7.15	-33.10	Peak	15.6	Pass
NVNT	ac40	5755	-52.6	-52.35	7.15	-42.31	Average	15.6	Pass
NVNT	ac40	5755	-40.03	-42.26	7.15	-30.84	Peak	27	Pass
NVNT	ac40	5755	-50.22	-50.36	7.15	-40.13	Average	27	Pass
NVNT	ac40	5795	-48.89	-47.86	7.15	-38.18	Peak	27	Pass
NVNT	ac40	5795	-56.2	-56.59	7.15	-46.23	Average	27	Pass
NVNT	ac40	5795	-50.56	-47.22	7.15	-38.42	Peak	15.6	Pass
NVNT	ac40	5795	-56.53	-56.93	7.15	-46.57	Average	15.6	Pass
NVNT	ac40	5795	-49.03	-48.9	7.15	-38.80	Peak	10	Pass
NVNT	ac40	5795	-56.54	-56.38	7.15	-46.30	Average	10	Pass
NVNT	ac40	5795	-48.62	-47.18	7.15	-37.68	Peak	-27	Pass
NVNT	ac40	5795	-56.71	-57.07	7.15	-46.73	Average	-27	Pass
NVNT	ac80	5775	-48.14	-49.37	7.15	-38.55	Peak	-27	Pass
NVNT	ac80	5775	-57.1	-57.66	7.15	-47.21	Average	-27	Pass
NVNT	ac80	5775	-47.07	-47.49	7.15	-37.11	Peak	10	Pass
NVNT	ac80	5775	-55.26	-55.47	7.15	-45.20	Average	10	Pass
NVNT	ac80	5775	-44.44	-45.99	7.15	-34.99	Peak	15.6	Pass
NVNT	ac80	5775	-52.79	-53	7.15	-42.73	Average	15.6	Pass
NVNT	ac80	5775	-42.82	-43.88	7.15	-33.16	Peak	27	Pass
NVNT	ac80	5775	-53.03	-51.92	7.15	-42.28	Average	27	Pass
NVNT	ac80	5775	-48.9	-47.34	7.15	-37.89	Peak	27	Pass
NVNT	ac80	5775	-57.21	-56.72	7.15	-46.80	Average	27	Pass
NVNT	ac80	5775	-48.29	-48.91	7.15	-38.43	Peak	15.6	Pass
NVNT	ac80	5775	-56.6	-56.73	7.15	-46.50	Average	15.6	Pass
NVNT	ac80	5775	-47.75	-48.89	7.15	-38.12	Peak	10	Pass
NVNT	ac80	5775	-57.02	-56.68	7.15	-46.69	Average	10	Pass

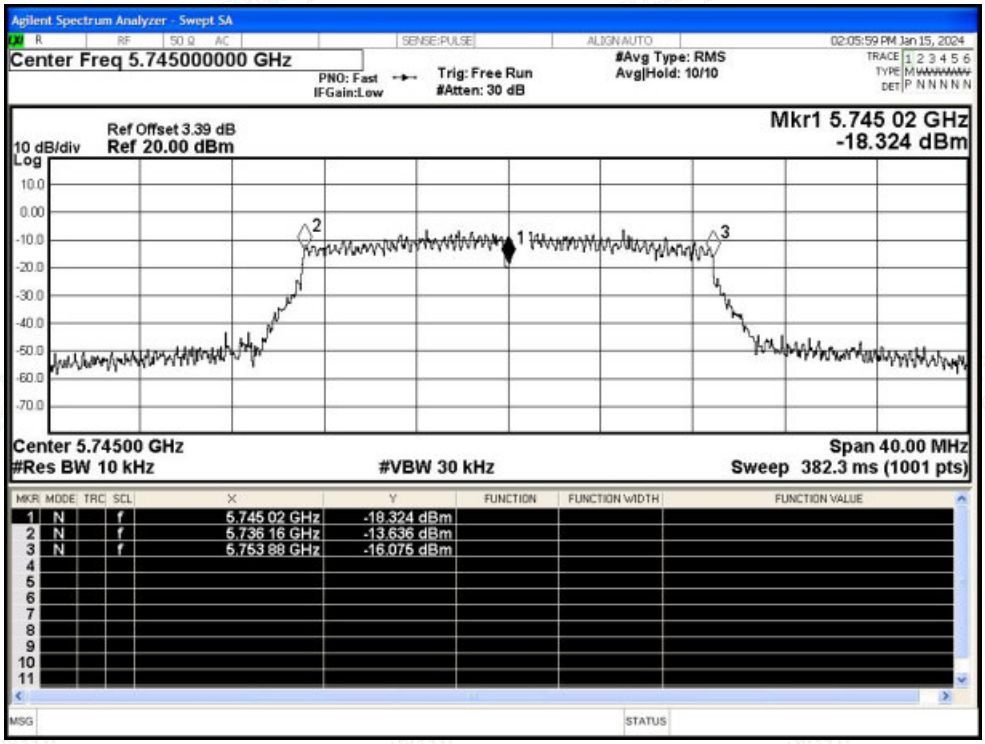
NVNT	ac80	5775	-47.25	-49.9	7.15	-38.22	Peak	-27	Pass
NVNT	ac80	5775	-56.95	-57.01	7.15	-46.82	Average	-27	Pass
NVNT	ax20	5745	-49.82	-50.18	7.15	-39.84	Peak	-27	Pass
NVNT	ax20	5745	-56.23	-56.56	7.15	-46.23	Average	-27	Pass
NVNT	ax20	5745	-47.05	-46.7	7.15	-36.71	Peak	10	Pass
NVNT	ax20	5745	-55.83	-55.7	7.15	-45.60	Average	10	Pass
NVNT	ax20	5745	-47.68	-47.68	7.15	-37.52	Peak	15.6	Pass
NVNT	ax20	5745	-54.76	-53.54	7.15	-43.95	Average	15.6	Pass
NVNT	ax20	5745	-44.99	-40.61	7.15	-32.11	Peak	27	Pass
NVNT	ax20	5745	-52.37	-50.09	7.15	-40.92	Average	27	Pass
NVNT	ax20	5825	-46.25	-46.22	7.15	-36.07	Peak	27	Pass
NVNT	ax20	5825	-55.88	-55.37	7.15	-45.46	Average	27	Pass
NVNT	ax20	5825	-49.69	-46.56	7.15	-37.69	Peak	15.6	Pass
NVNT	ax20	5825	-56.25	-55.89	7.15	-45.91	Average	15.6	Pass
NVNT	ax20	5825	-48.64	-49.07	7.15	-38.69	Peak	10	Pass
NVNT	ax20	5825	-56.48	-55.69	7.15	-45.91	Average	10	Pass
NVNT	ax20	5825	-48.98	-48.8	7.15	-38.73	Peak	-27	Pass
NVNT	ax20	5825	-56.1	-56.48	7.15	-46.13	Average	-27	Pass
NVNT	ax40	5755	-49.61	-48.13	7.15	-38.65	Peak	-27	Pass
NVNT	ax40	5755	-56.97	-57.2	7.15	-46.92	Average	-27	Pass
NVNT	ax40	5755	-49.04	-48.69	7.15	-38.70	Peak	10	Pass
NVNT	ax40	5755	-56.57	-56.86	7.15	-46.55	Average	10	Pass
NVNT	ax40	5755	-42.18	-43.26	7.15	-32.53	Peak	15.6	Pass
NVNT	ax40	5755	-53.6	-52.18	7.15	-42.67	Average	15.6	Pass
NVNT	ax40	5755	-42.88	-41.32	7.15	-31.87	Peak	27	Pass
NVNT	ax40	5755	-50.66	-50.61	7.15	-40.47	Average	27	Pass
NVNT	ax40	5795	-48.22	-48.63	7.15	-38.26	Peak	27	Pass
NVNT	ax40	5795	-57.57	-56.98	7.15	-47.10	Average	27	Pass
NVNT	ax40	5795	-50.5	-50.47	7.15	-40.32	Peak	15.6	Pass
NVNT	ax40	5795	-57.79	-57	7.15	-47.22	Average	15.6	Pass
NVNT	ax40	5795	-48.98	-48.87	7.15	-38.76	Peak	10	Pass
NVNT	ax40	5795	-57.19	-57.28	7.15	-47.07	Average	10	Pass
NVNT	ax40	5795	-48.01	-49.86	7.15	-38.68	Peak	-27	Pass
NVNT	ax40	5795	-57.54	-57.13	7.15	-47.17	Average	-27	Pass
NVNT	ax80	5775	-49.3	-49.07	7.15	-39.02	Peak	-27	Pass
NVNT	ax80	5775	-57.86	-57.07	7.15	-47.29	Average	-27	Pass
NVNT	ax80	5775	-50.6	-48.83	7.15	-39.47	Peak	10	Pass
NVNT	ax80	5775	-57.65	-57.21	7.15	-47.26	Average	10	Pass
NVNT	ax80	5775	-47.65	-49.8	7.15	-38.43	Peak	15.6	Pass
NVNT	ax80	5775	-57.49	-57.54	7.15	-47.35	Average	15.6	Pass
NVNT	ax80	5775	-50.29	-49.62	7.15	-39.78	Peak	27	Pass

NVNT	ax80	5775	-57.28	-57.4	7.15	-47.18	Average	27	Pass
NVNT	ax80	5775	-49.44	-48.68	7.15	-38.88	Peak	27	Pass
NVNT	ax80	5775	-57.78	-57.27	7.15	-47.36	Average	27	Pass
NVNT	ax80	5775	-46.47	-46.09	7.15	-36.12	Peak	15.6	Pass
NVNT	ax80	5775	-54.8	-55.57	7.15	-45.01	Average	15.6	Pass
NVNT	ax80	5775	-43.46	-42.4	7.15	-32.74	Peak	10	Pass
NVNT	ax80	5775	-52.12	-52.03	7.15	-41.91	Average	10	Pass
NVNT	ax80	5775	-42.55	-44.09	7.15	-33.09	Peak	-27	Pass
NVNT	ax80	5775	-51.79	-51.88	7.15	-41.67	Average	-27	Pass

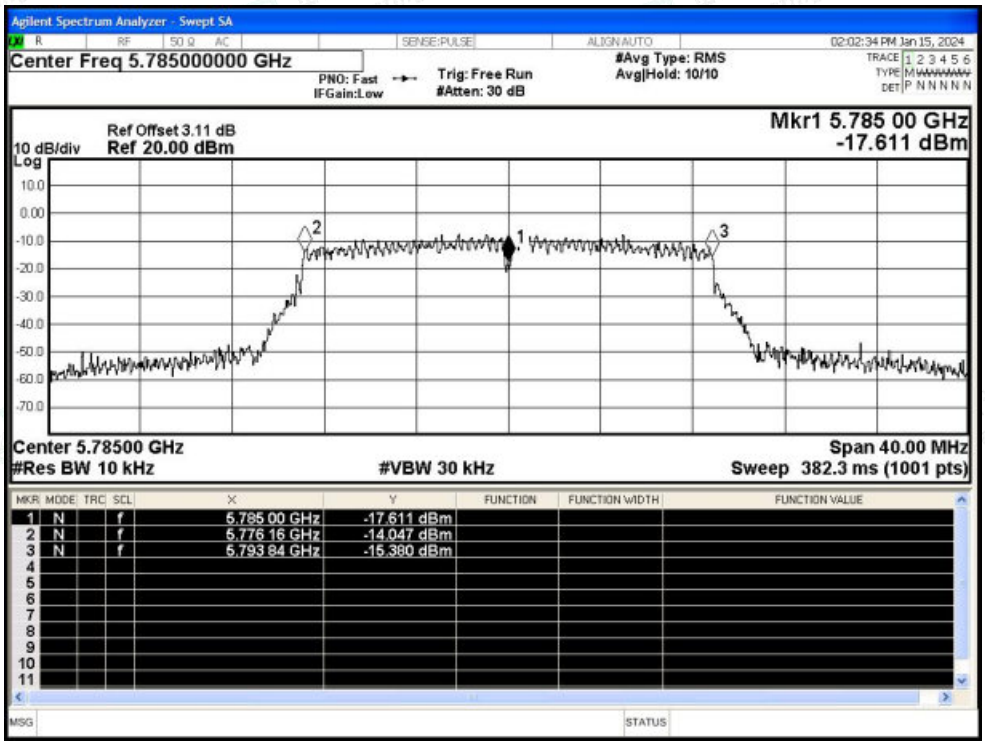
C.5 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5745	Ant0	5745.02	20000	3.48	25	Pass
NVNT	ac20	5785	Ant0	5785	0	0	25	Pass
NVNT	ac20	5825	Ant0	5824.96	-40000	-6.87	25	Pass
NVNT	ac40	5755	Ant0	5754.96	-40000	-6.95	25	Pass
NVNT	ac40	5795	Ant0	5794.96	-40000	-6.9	25	Pass
NVNT	ac80	5775	Ant0	5775	0	0	25	Pass

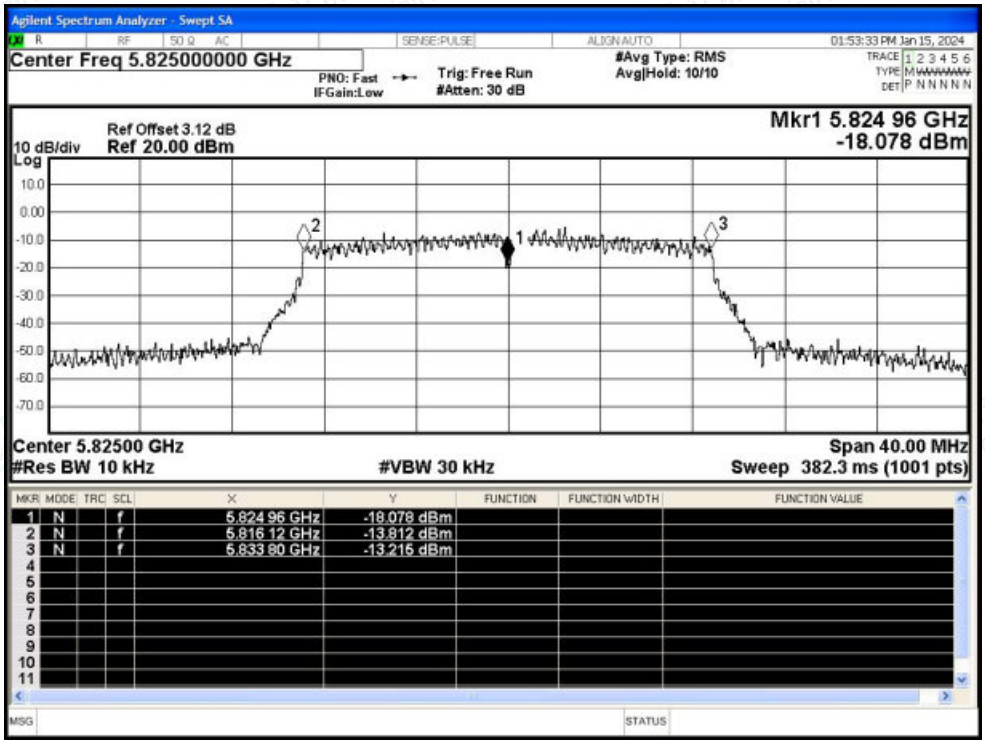
Test Graphs
Freq. Stability NVNT ac20 5745MHz Ant0



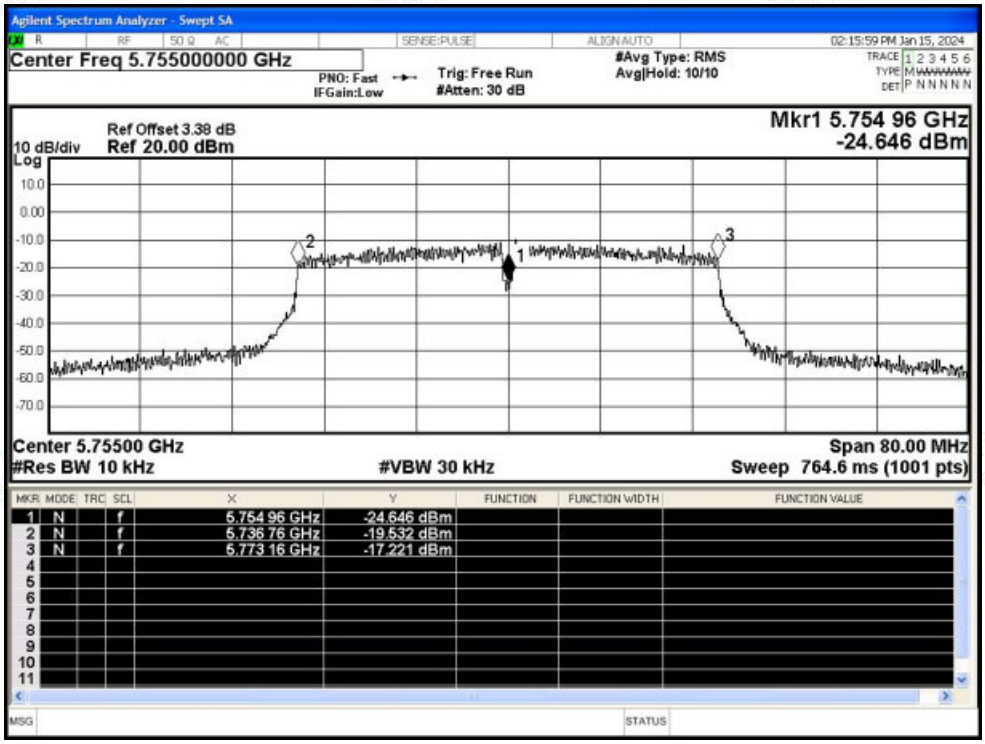
Freq. Stability NVNT ac20 5785MHz Ant0



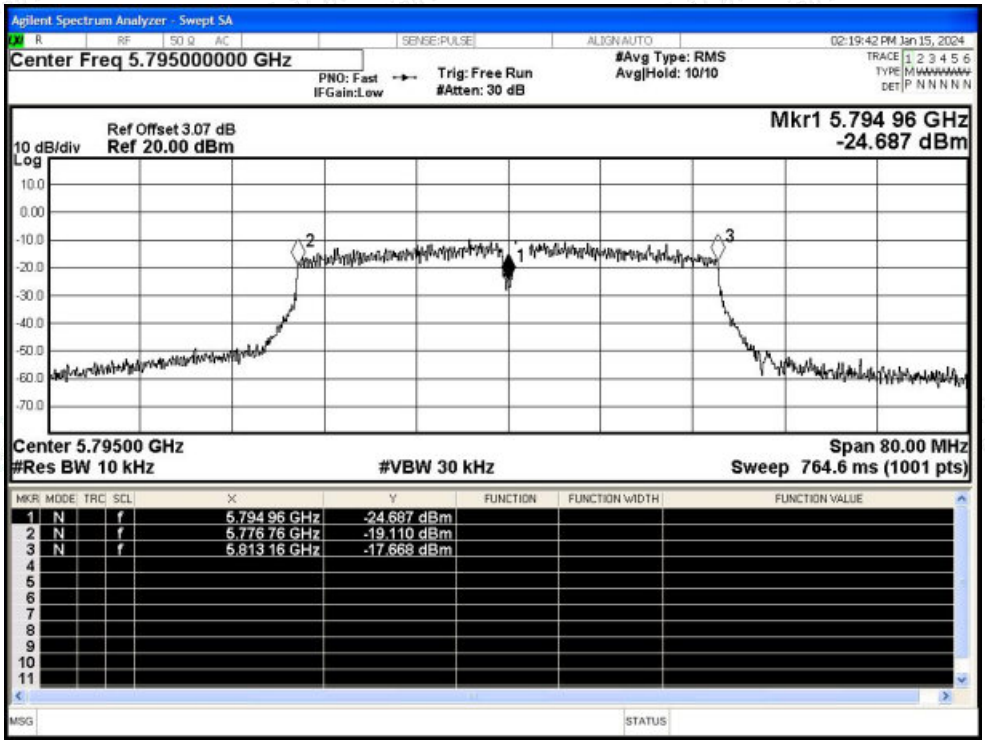
Freq. Stability NVNT ac20 5825MHz Ant0



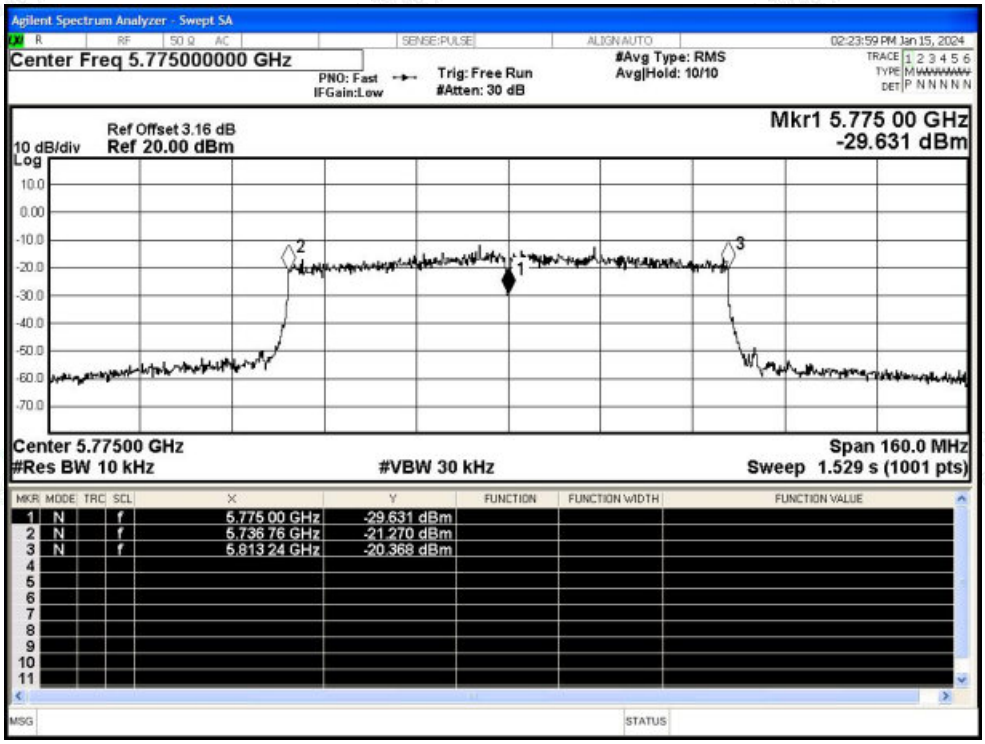
Freq. Stability NVNT ac40 5755MHz Ant0



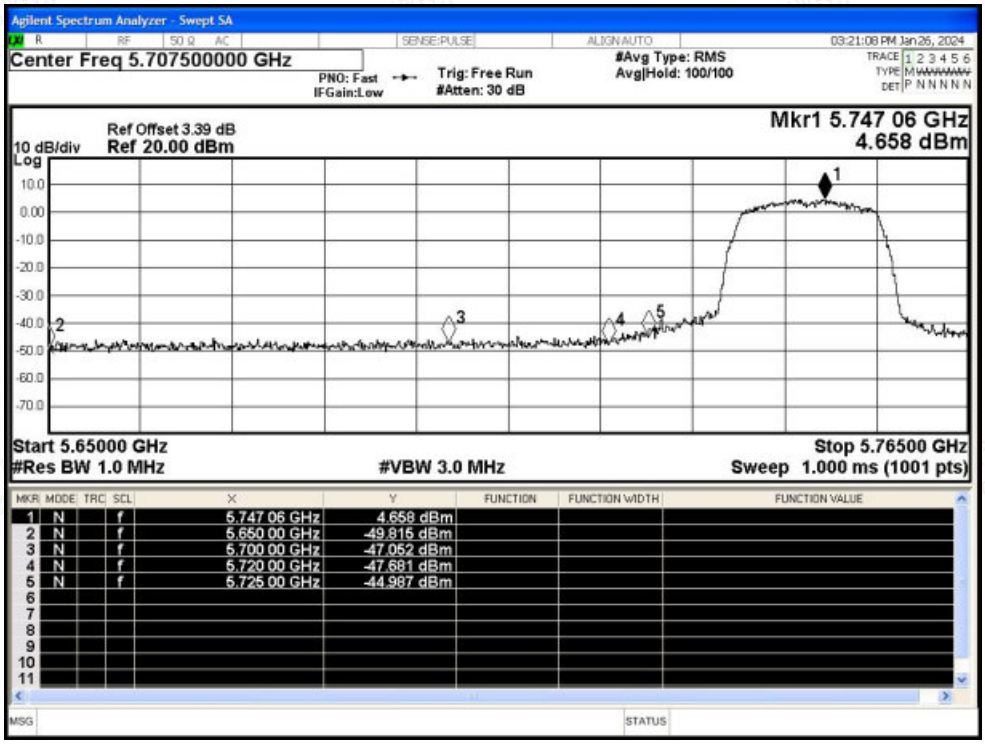
Freq. Stability NVNT ac40 5795MHz Ant0



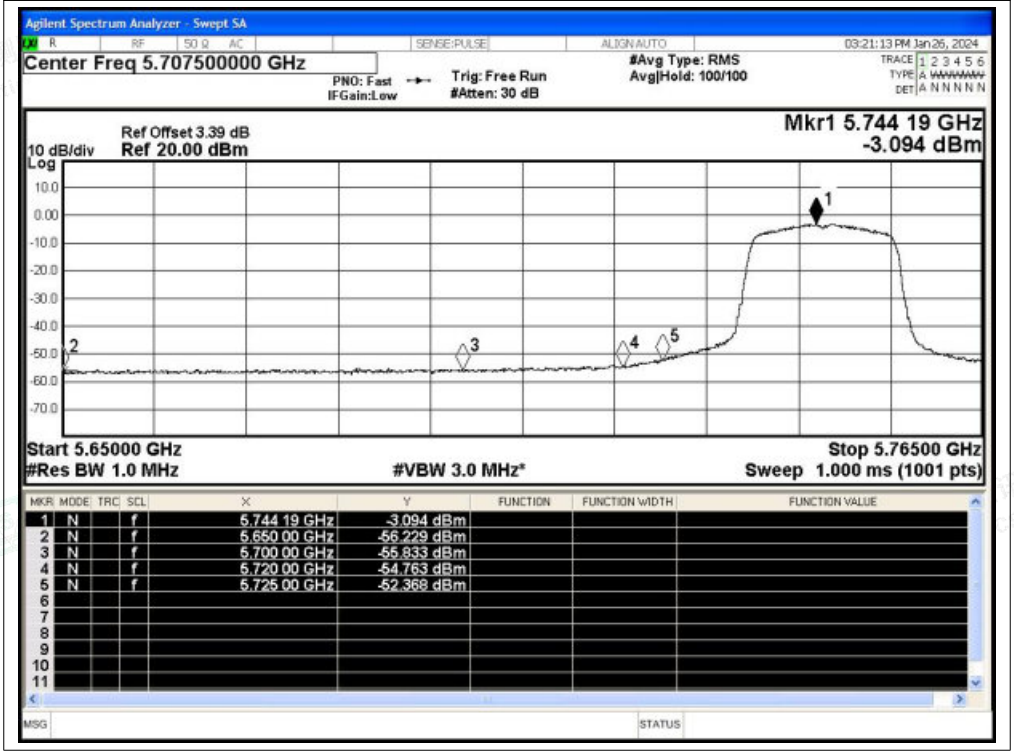
Freq. Stability NVNT ac80 5775MHz Ant0



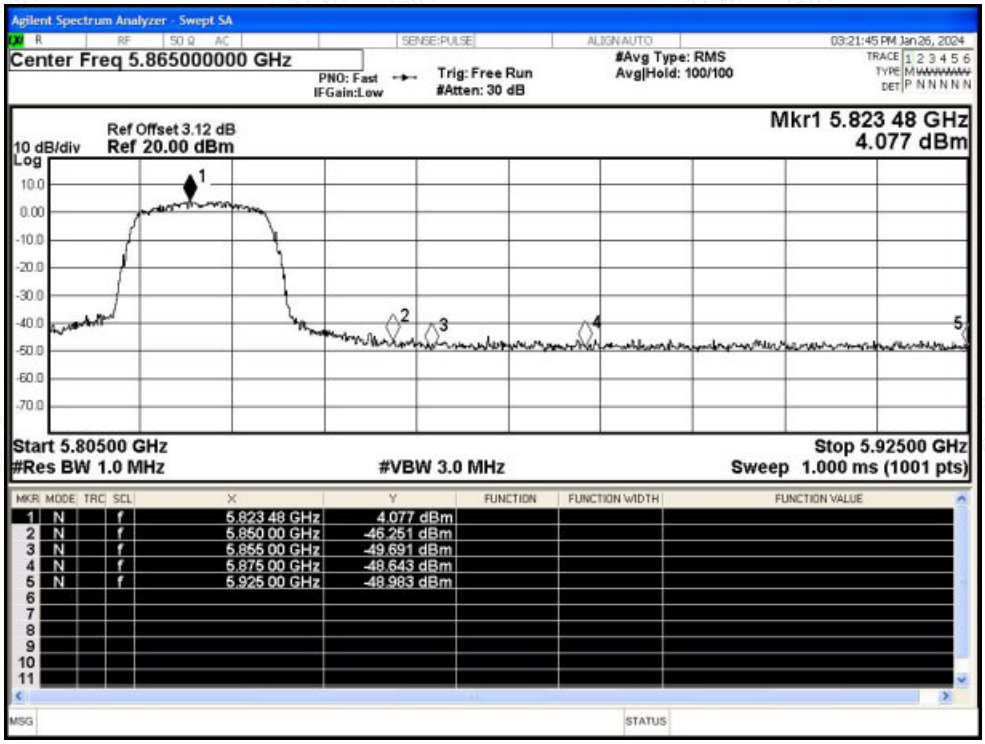
Restrict Band NVNT ax20 5745MHz Ant0 Peak



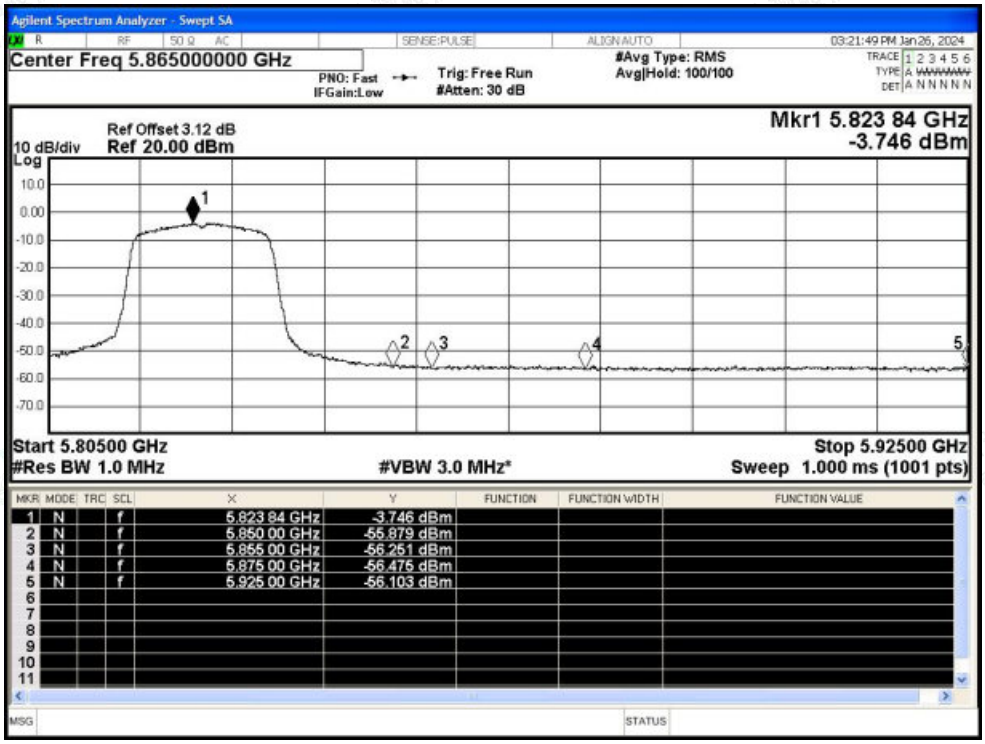
Restrict Band NVNT ax20 5745MHz Ant0 Average



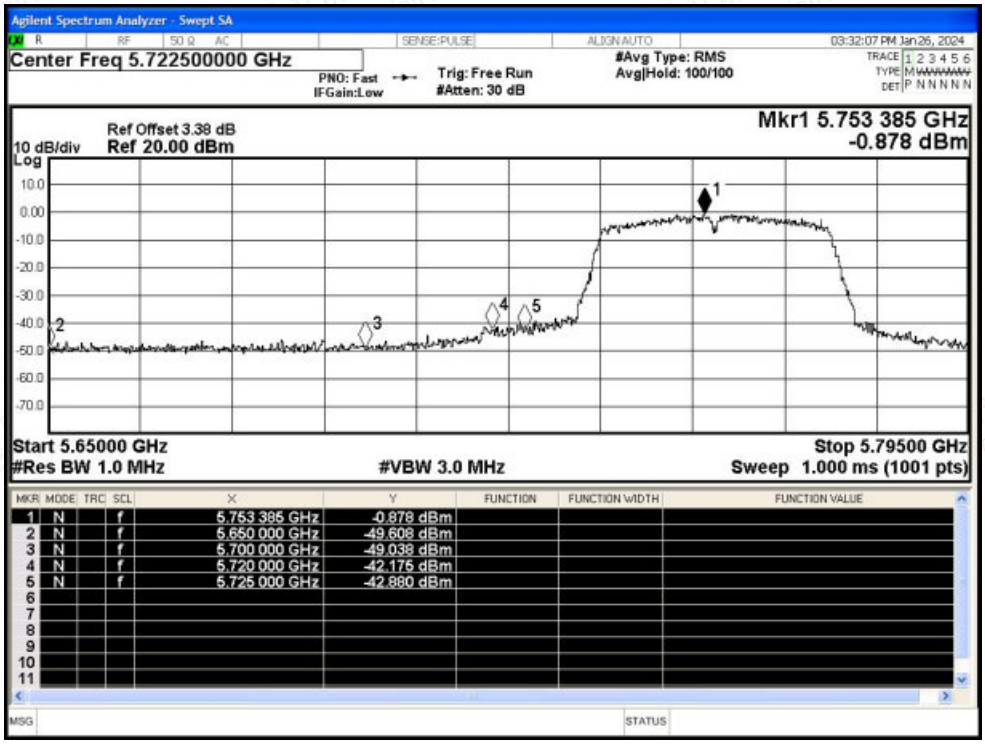
Restrict Band NVNT ax20 5825MHz Ant0 Peak



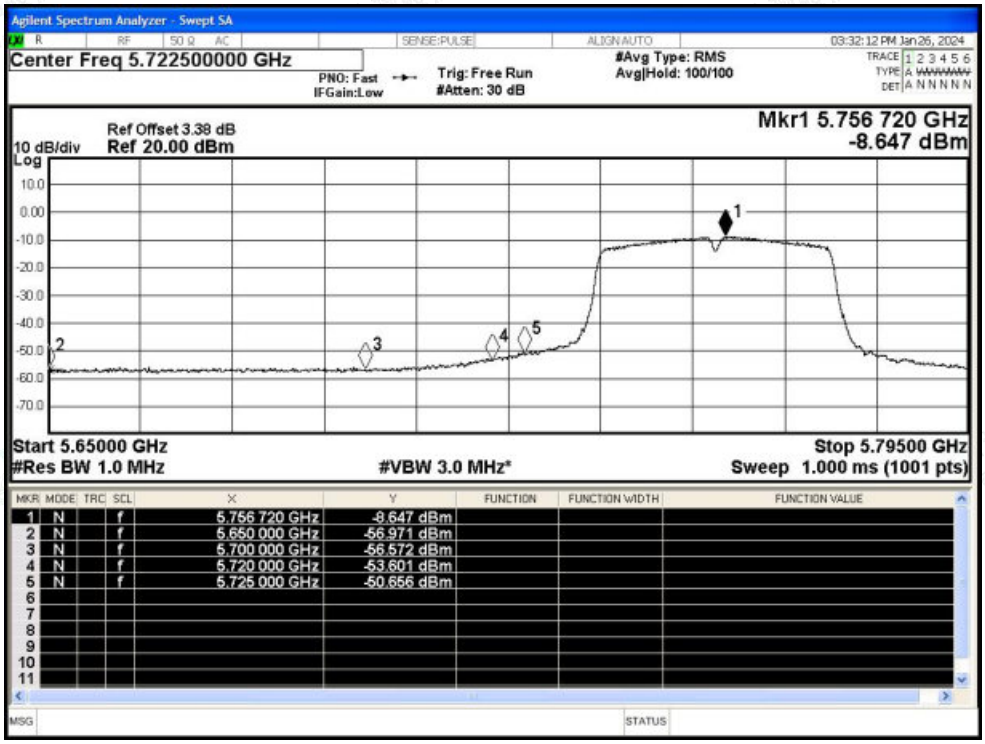
Restrict Band NVNT ax20 5825MHz Ant0 Average



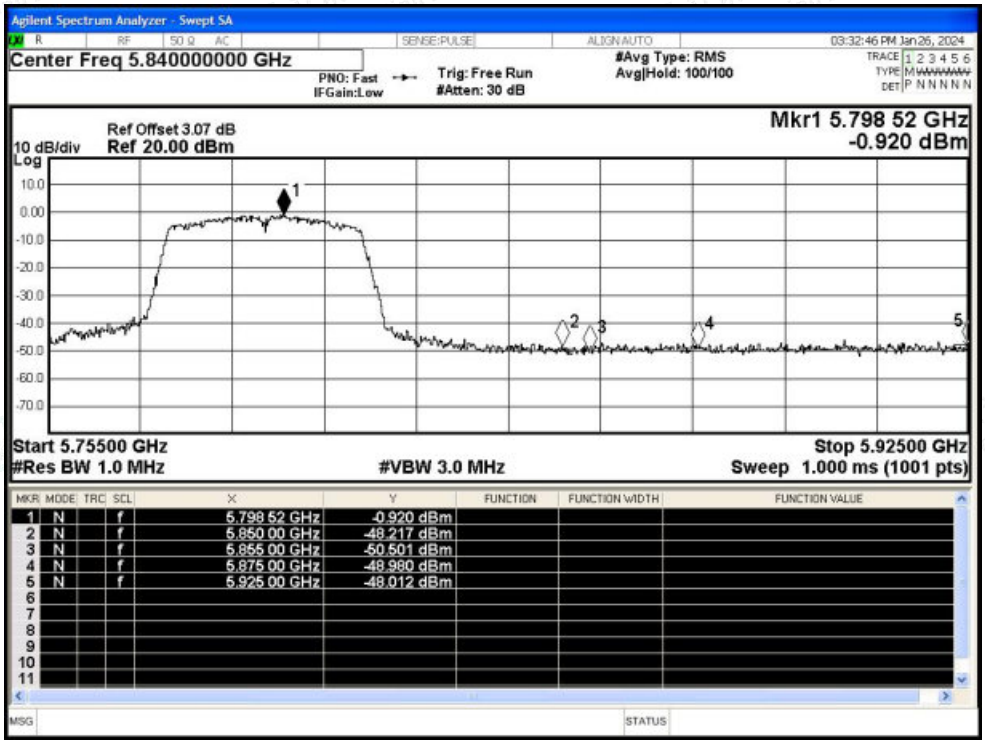
Restrict Band NVNT ax40 5755MHz Ant0 Peak



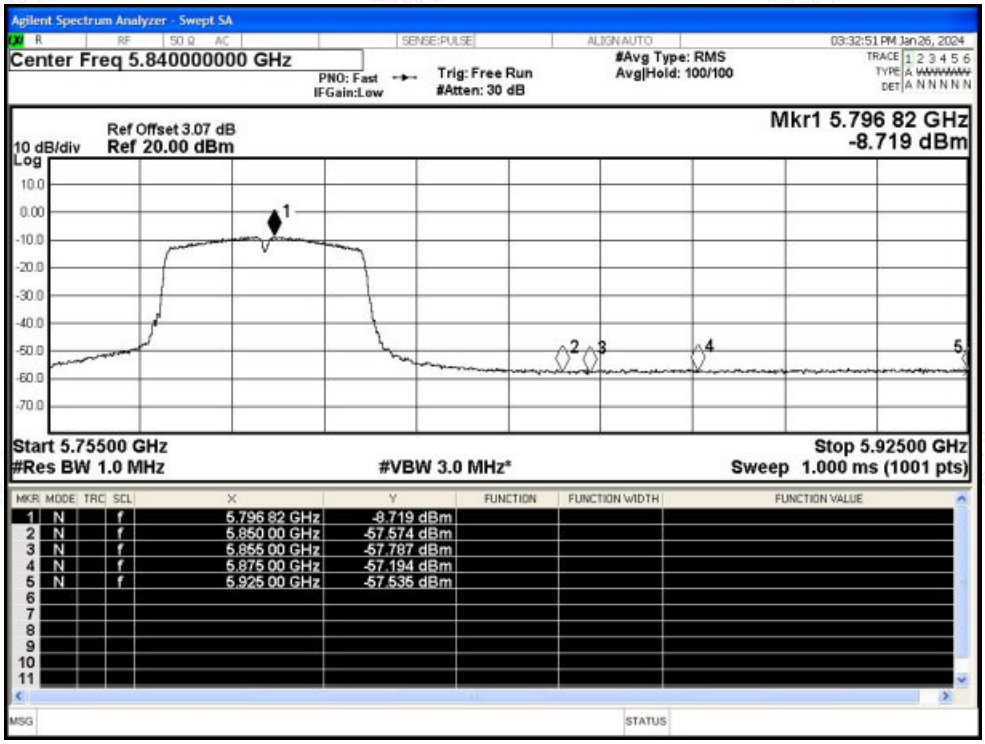
Restrict Band NVNT ax40 5755MHz Ant0 Average



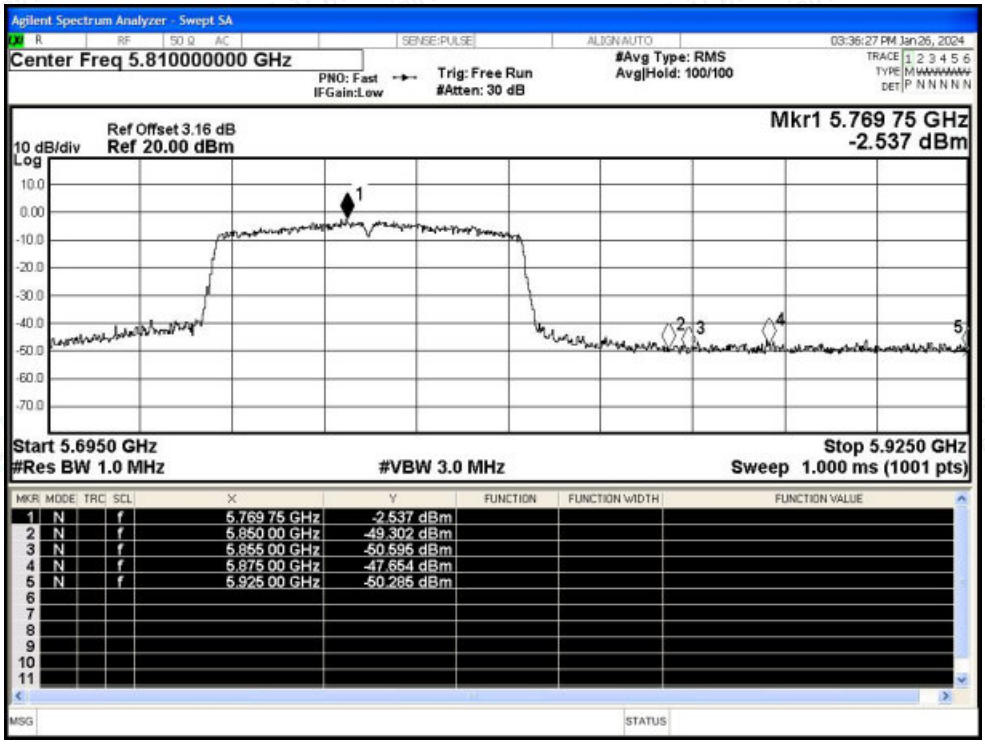
Restrict Band NVNT ax40 5795MHz Ant0 Peak



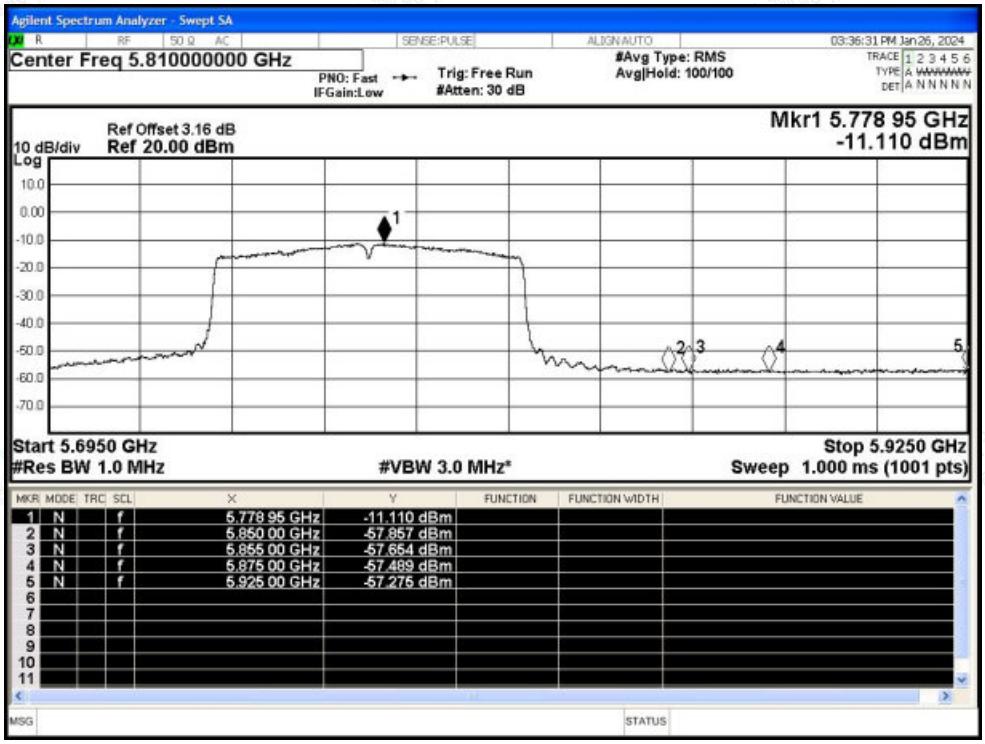
Restrict Band NVNT ax40 5795MHz Ant0 Average



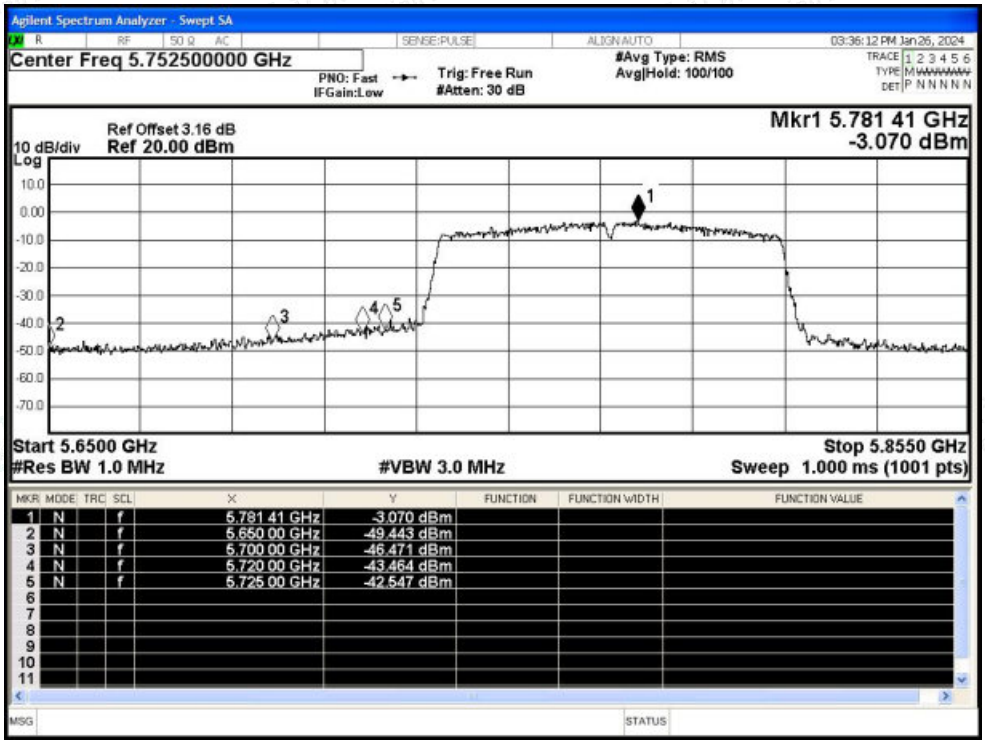
Restrict Band NVNT ax80 5775MHz Ant0 Peak



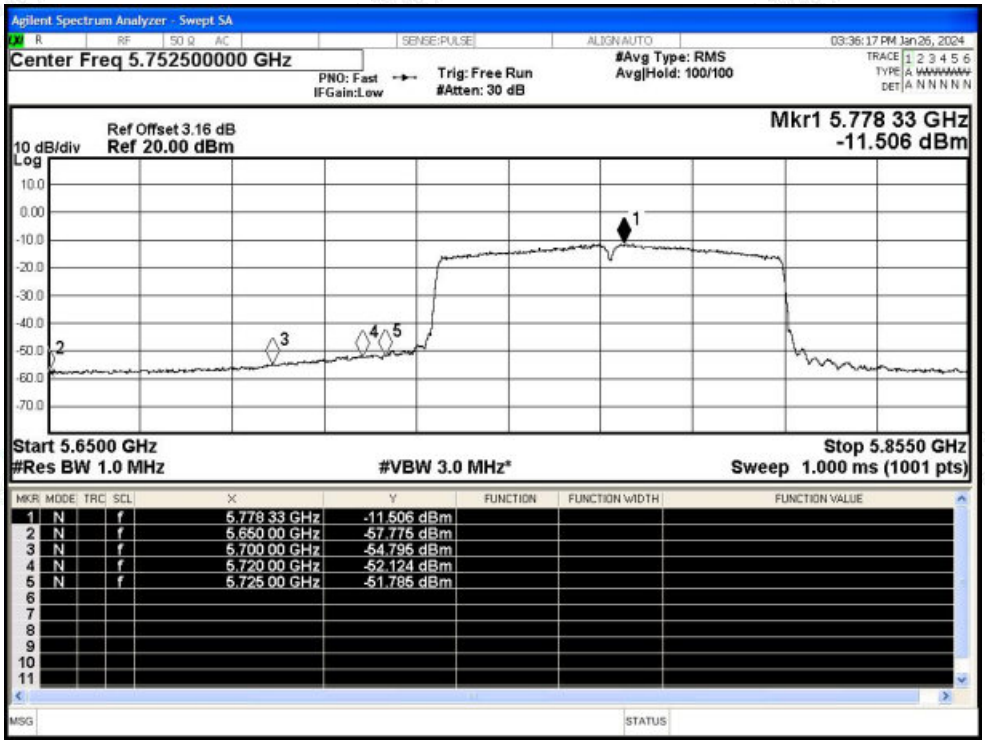
Restrict Band NVNT ax80 5775MHz Ant0 Average



Restrict Band NVNT ax80 5775MHz Ant0 Peak

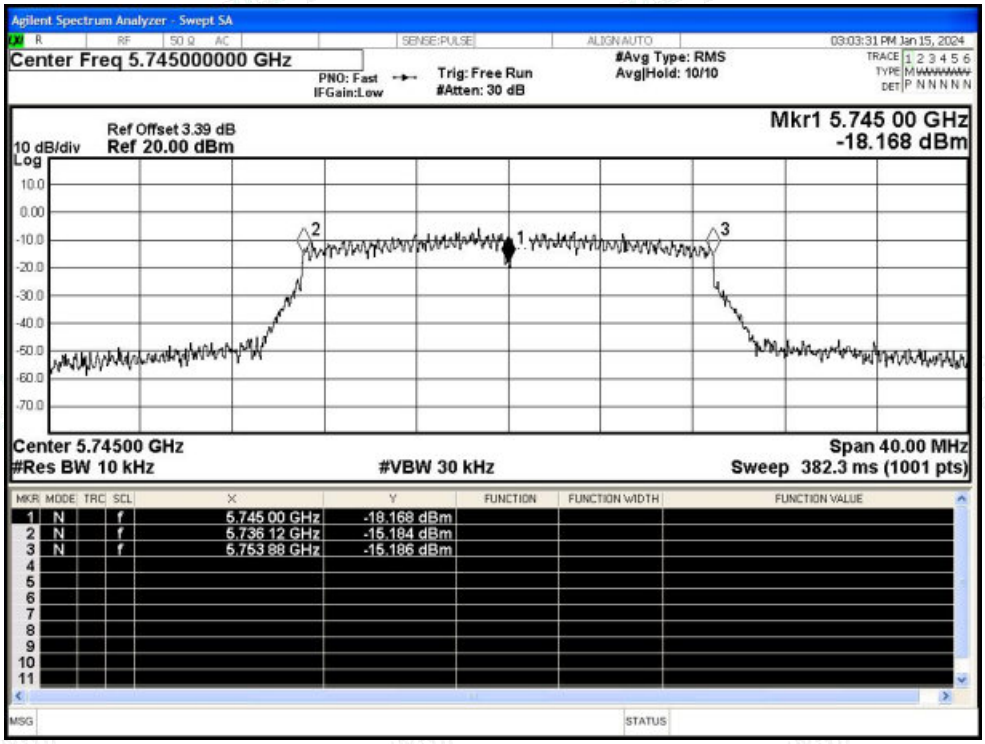


Restrict Band NVNT ax80 5775MHz Ant0 Average

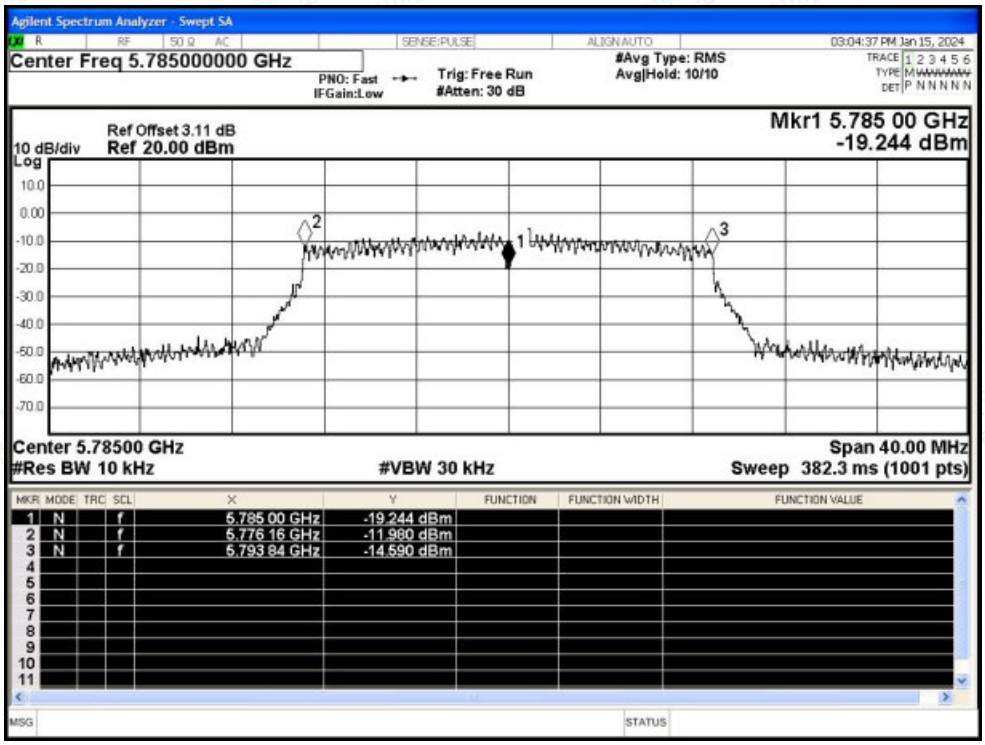


Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5745	Ant1	5745	0	0	25	Pass
NVNT	ac20	5785	Ant1	5785	0	0	25	Pass
NVNT	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
NVNT	ac40	5755	Ant1	5755	0	0	25	Pass
NVNT	ac40	5795	Ant1	5795	0	0	25	Pass
NVNT	ac80	5775	Ant1	5775	0	0	25	Pass

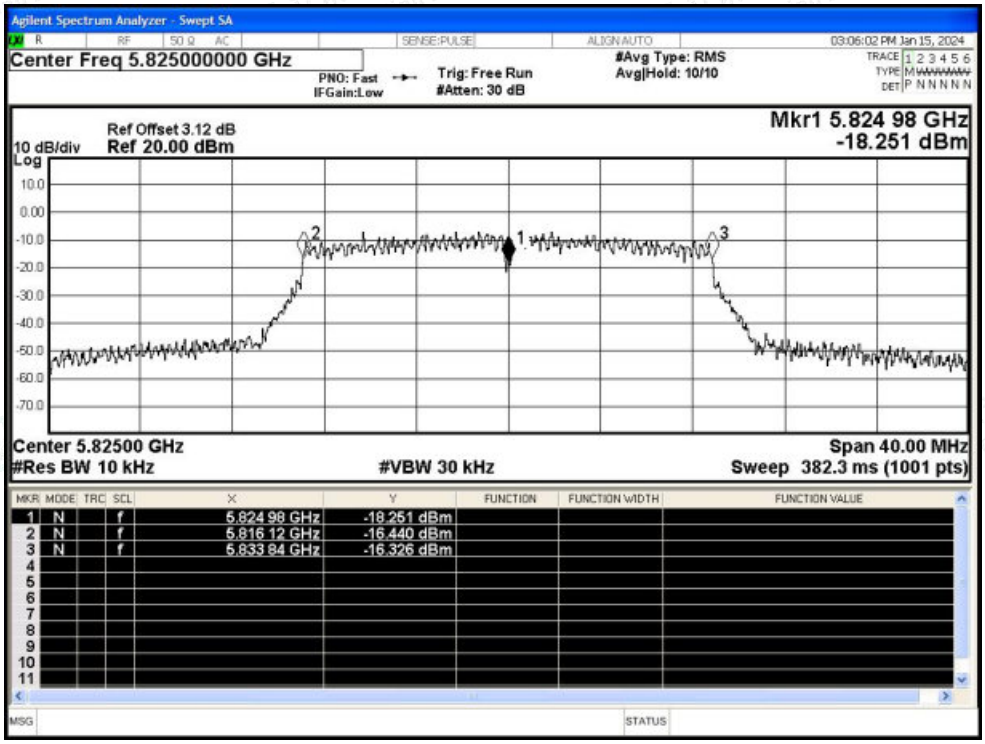
Test Graphs
Freq. Stability NVNT ac20 5745MHz Ant1



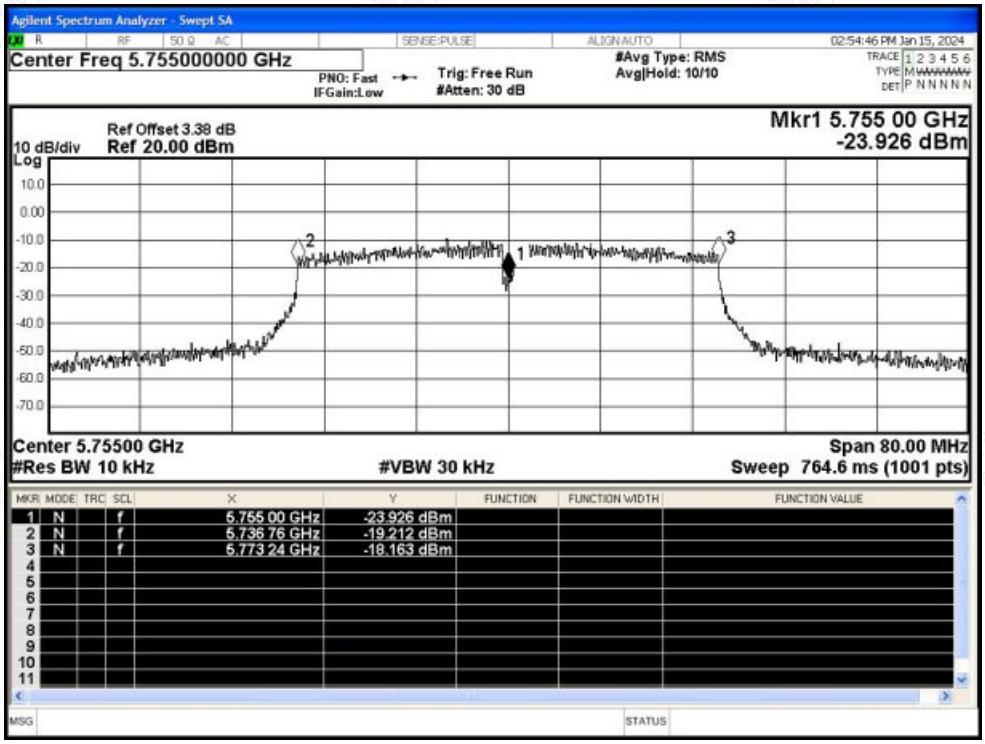
Freq. Stability NVNT ac20 5785MHz Ant1



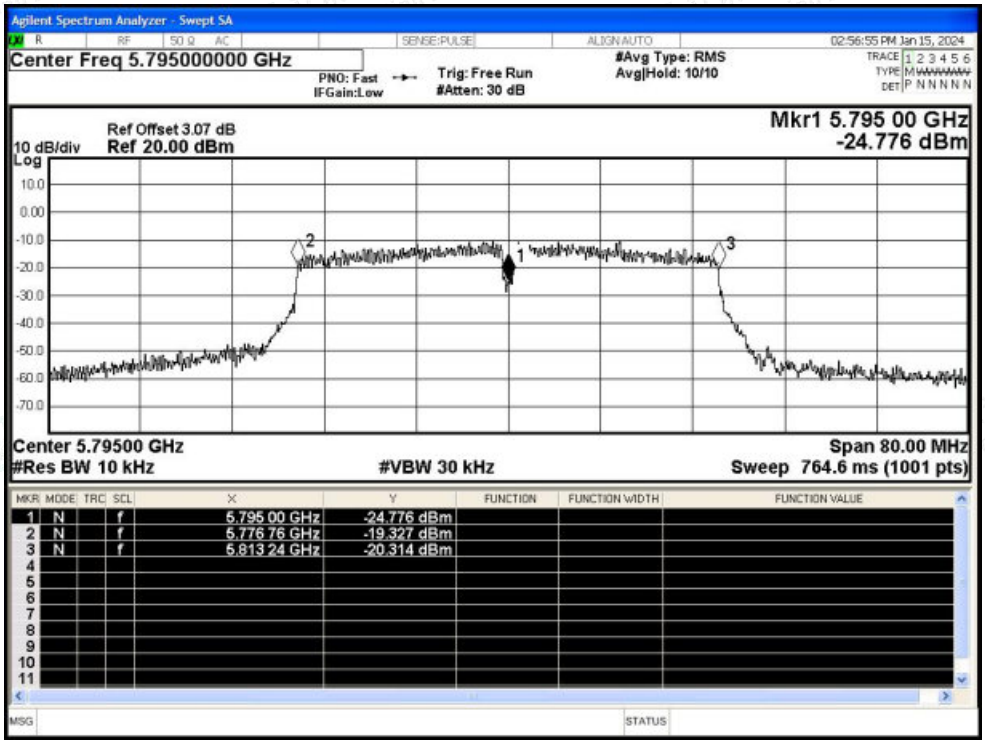
Freq. Stability NVNT ac20 5825MHz Ant1



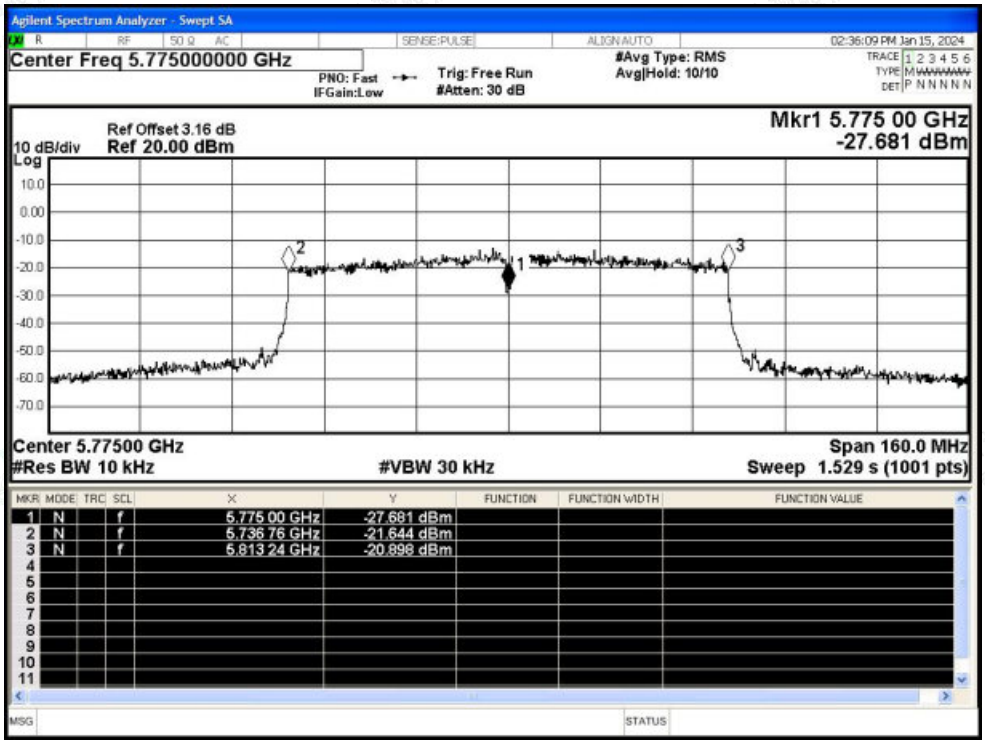
Freq. Stability NVNT ac40 5755MHz Ant1



Freq. Stability NVNT ac40 5795MHz Ant1



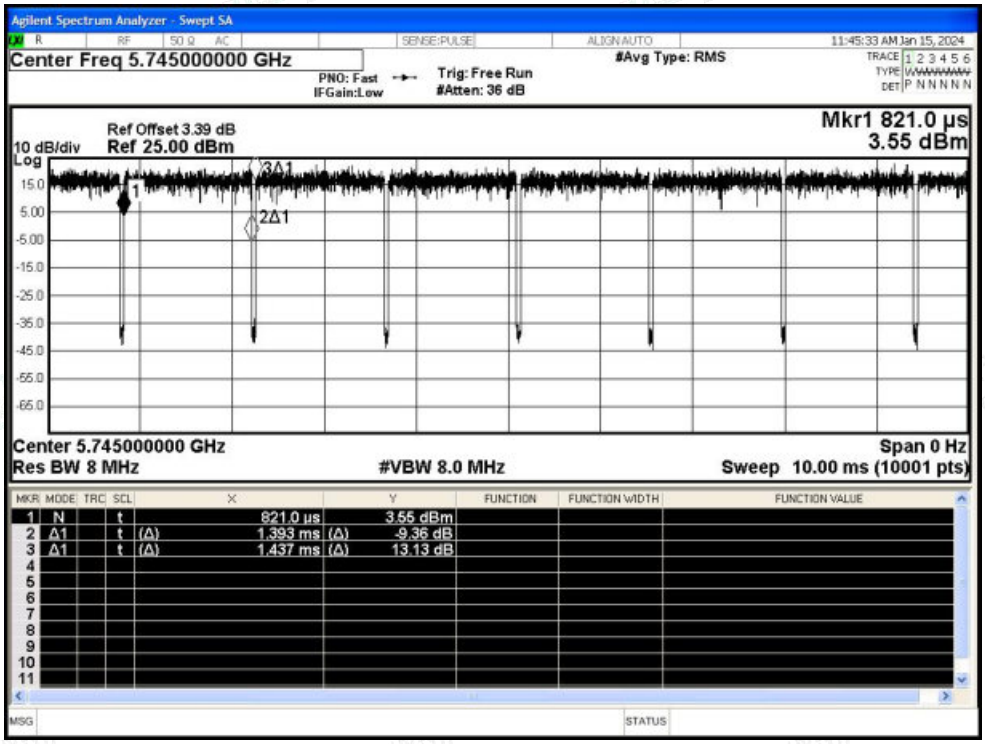
Freq. Stability NVNT ac80 5775MHz Ant1



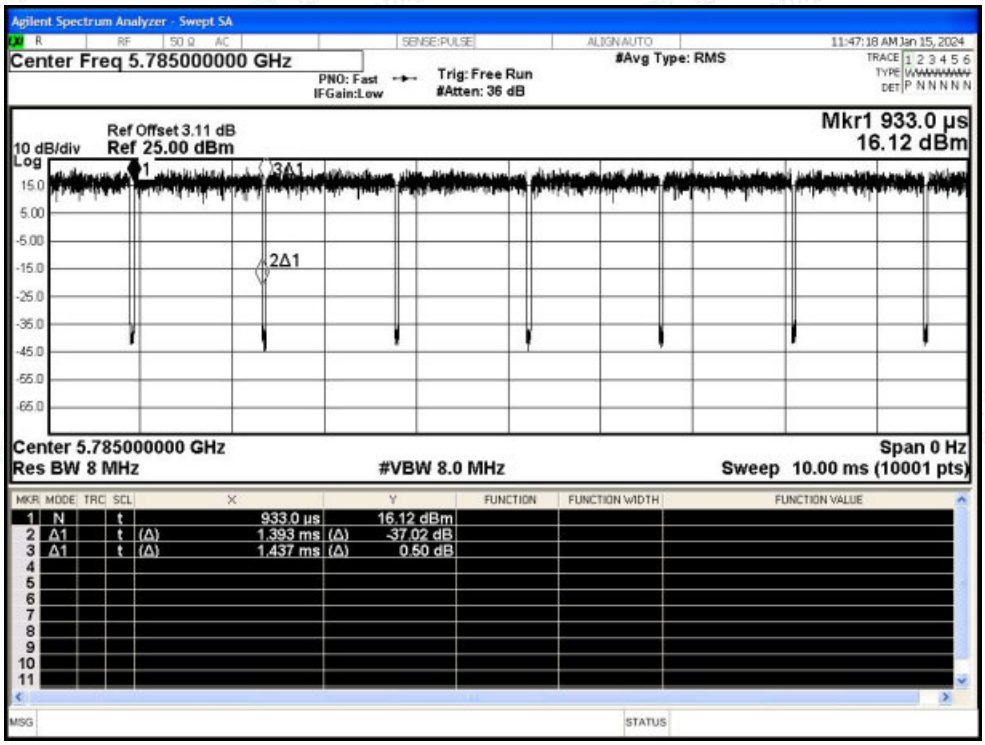
C.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant0	96.94	0.13	0.72
NVNT	a	5785	Ant0	96.94	0.13	0.72
NVNT	a	5825	Ant0	96.94	0.13	0.72
NVNT	n20	5745	Ant0	96.7	0.15	0.78
NVNT	n20	5785	Ant0	96.62	0.15	0.78
NVNT	n20	5825	Ant0	96.7	0.15	0.78
NVNT	n40	5755	Ant0	93.68	0.28	1.57
NVNT	n40	5795	Ant0	93.68	0.28	1.57
NVNT	ac20	5745	Ant0	96.76	0.14	0.76
NVNT	ac20	5785	Ant0	96.76	0.14	0.76
NVNT	ac20	5825	Ant0	96.76	0.14	0.76
NVNT	ac40	5755	Ant0	93.68	0.28	1.53
NVNT	ac40	5795	Ant0	93.68	0.28	1.53
NVNT	ac80	5775	Ant0	88.32	0.54	3.08
NVNT	ax20	5745	Ant0	96.76	0.14	0.76
NVNT	ax20	5785	Ant0	96.76	0.14	0.76
NVNT	ax20	5825	Ant0	96.76	0.14	0.76
NVNT	ax40	5755	Ant0	93.82	0.28	1.53
NVNT	ax40	5795	Ant0	93.68	0.28	1.53
NVNT	ax80	5775	Ant0	88.08	0.55	3.08

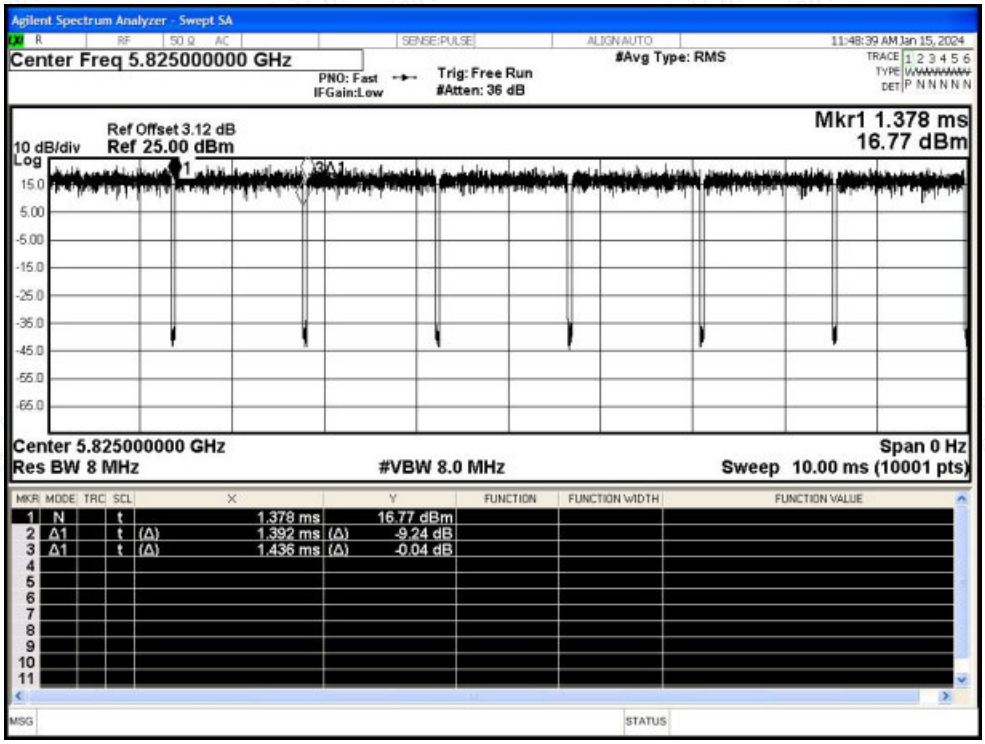
Test Graphs
Duty Cycle NVNT a 5745MHz Ant0



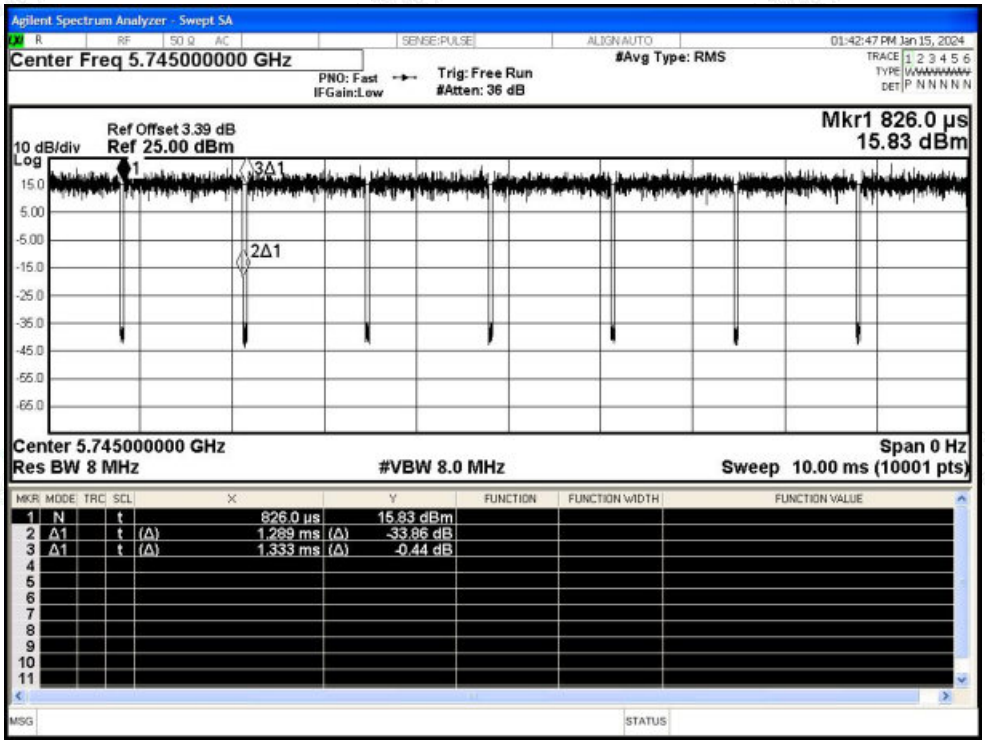
Duty Cycle NVNT a 5785MHz Ant0



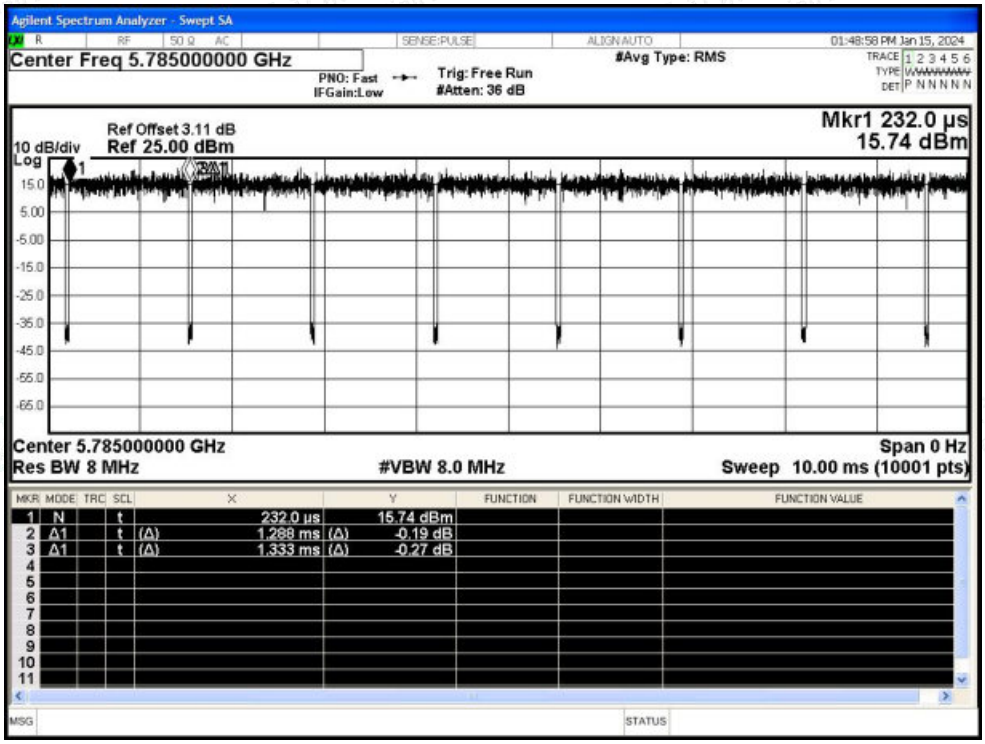
Duty Cycle NVNT a 5825MHz Ant0



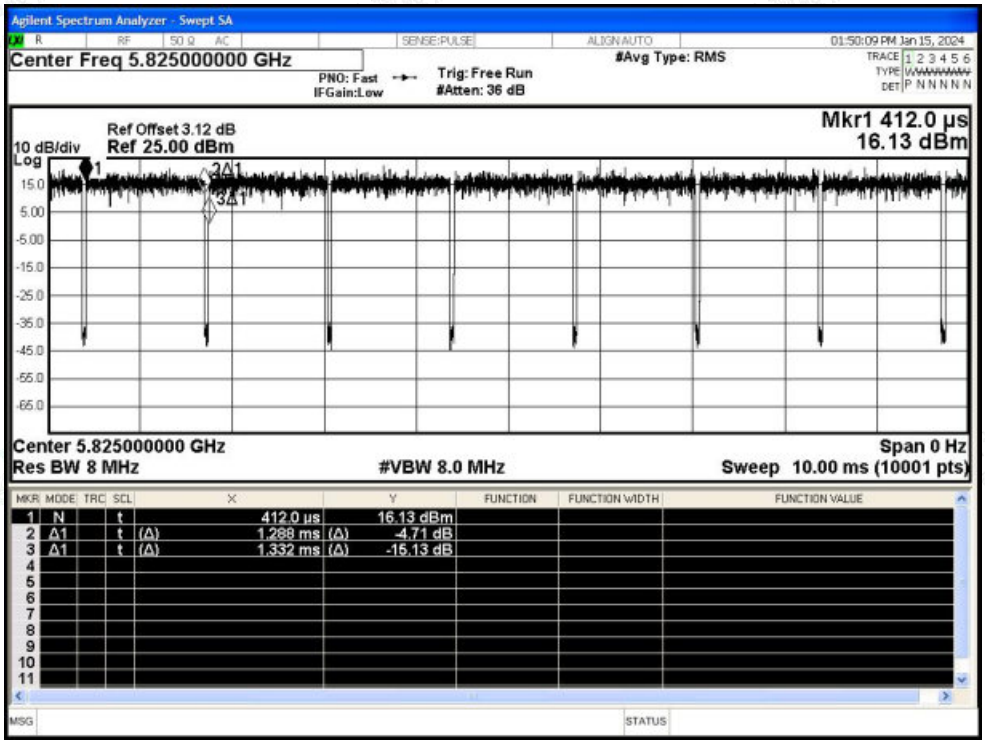
Duty Cycle NVNT n20 5745MHz Ant0



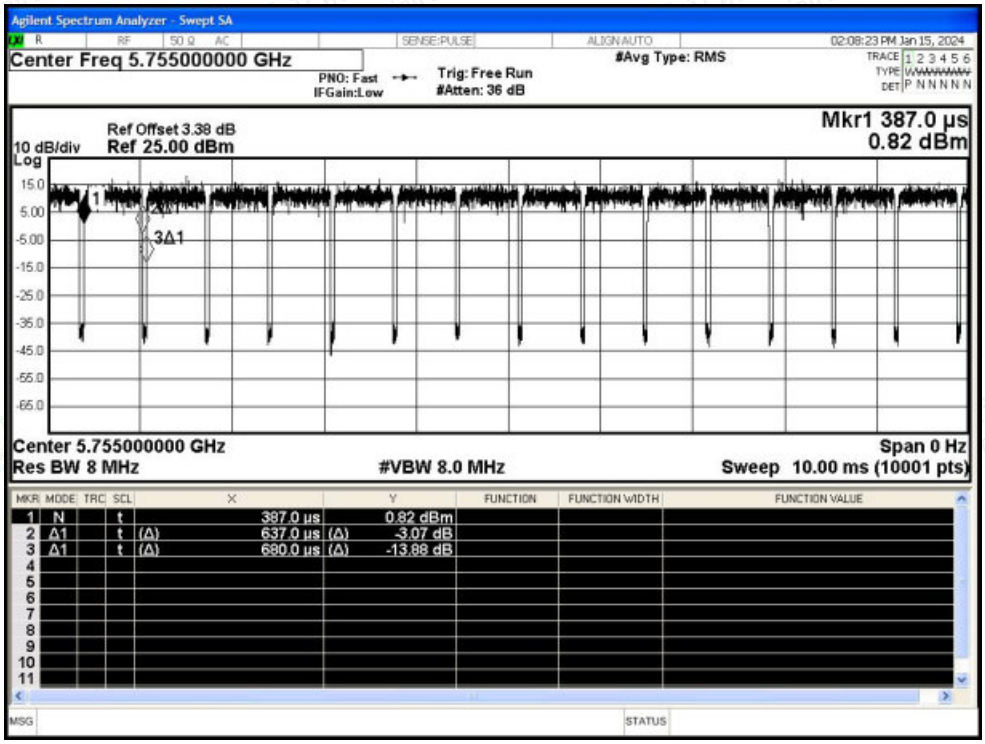
Duty Cycle NVNT n20 5785MHz Ant0



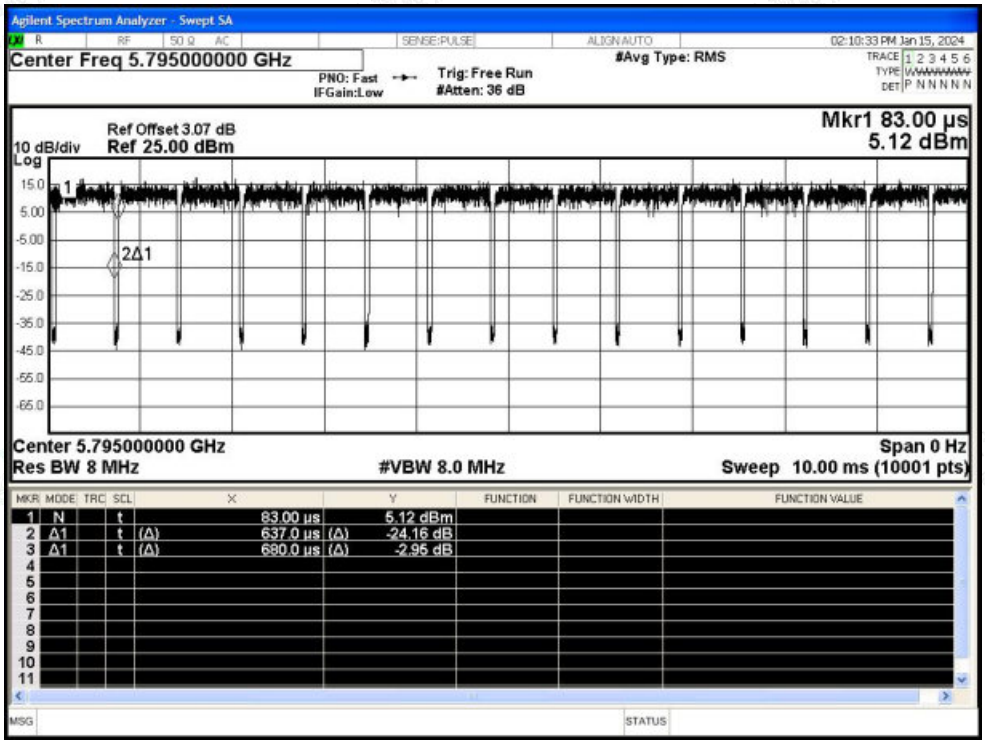
Duty Cycle NVNT n20 5825MHz Ant0



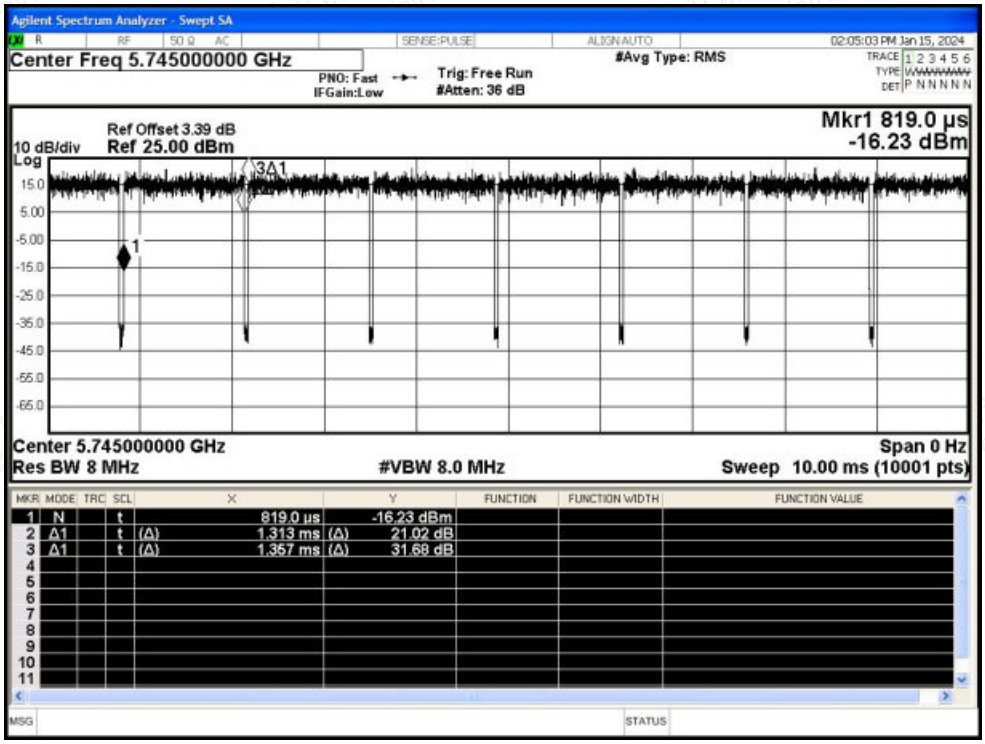
Duty Cycle NVNT n40 5755MHz Ant0



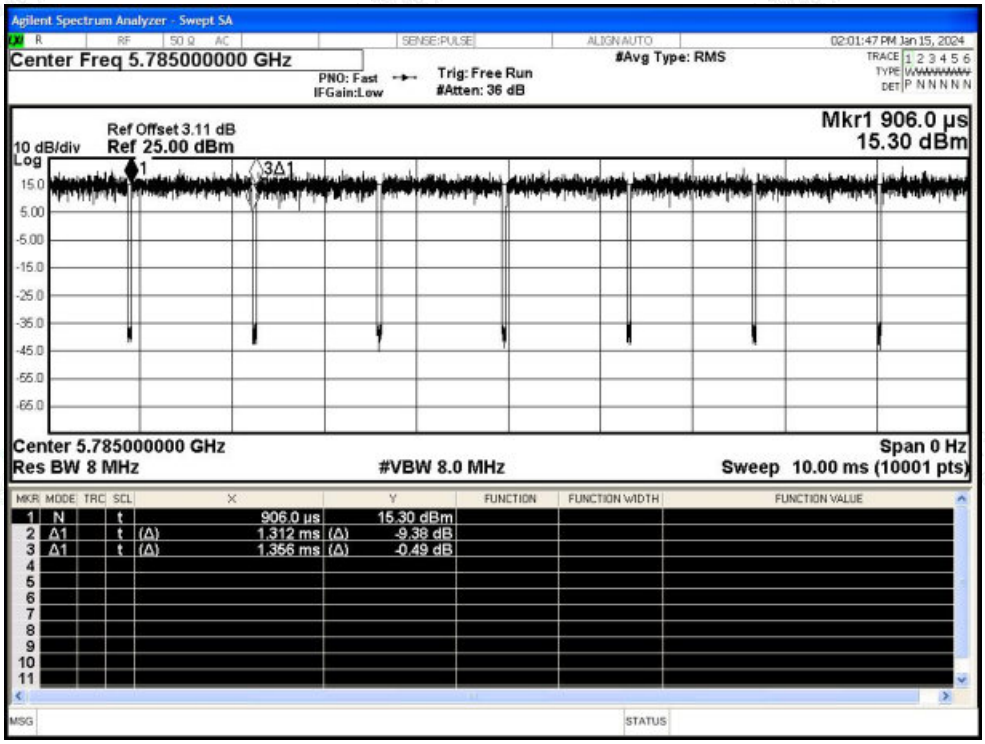
Duty Cycle NVNT n40 5795MHz Ant0



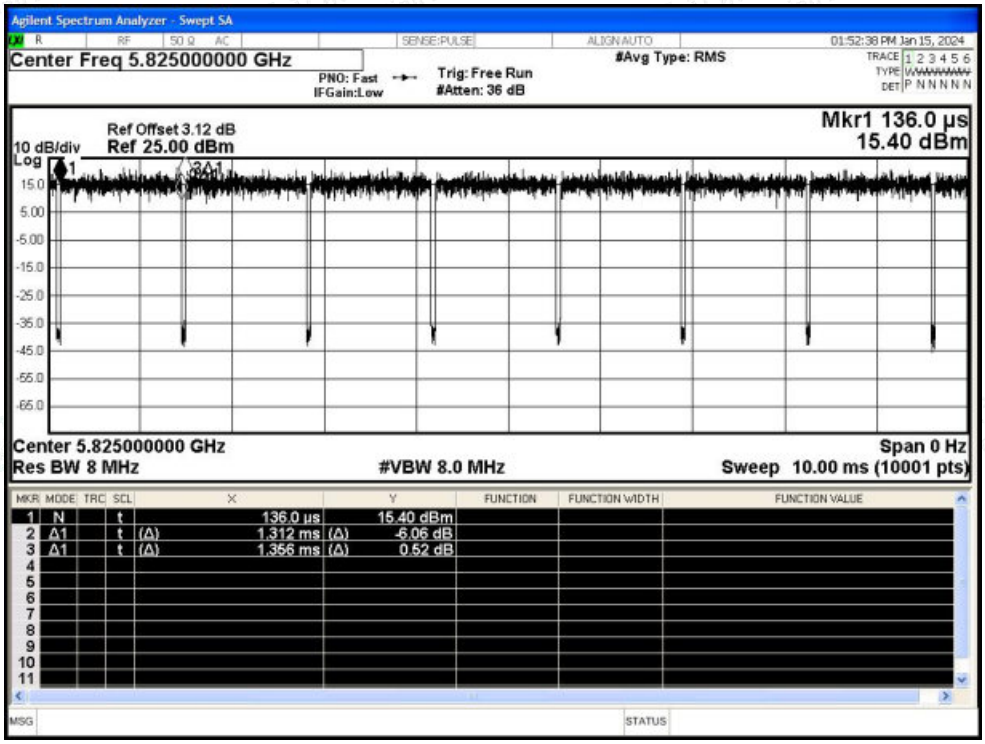
Duty Cycle NVNT ac20 5745MHz Ant0



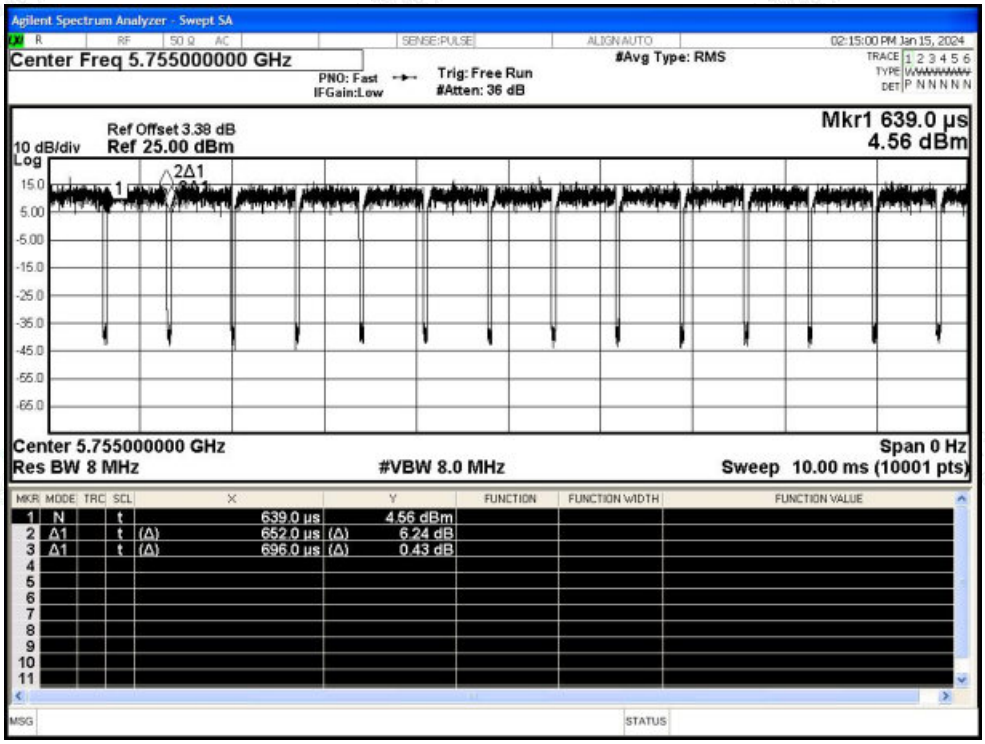
Duty Cycle NVNT ac20 5785MHz Ant0



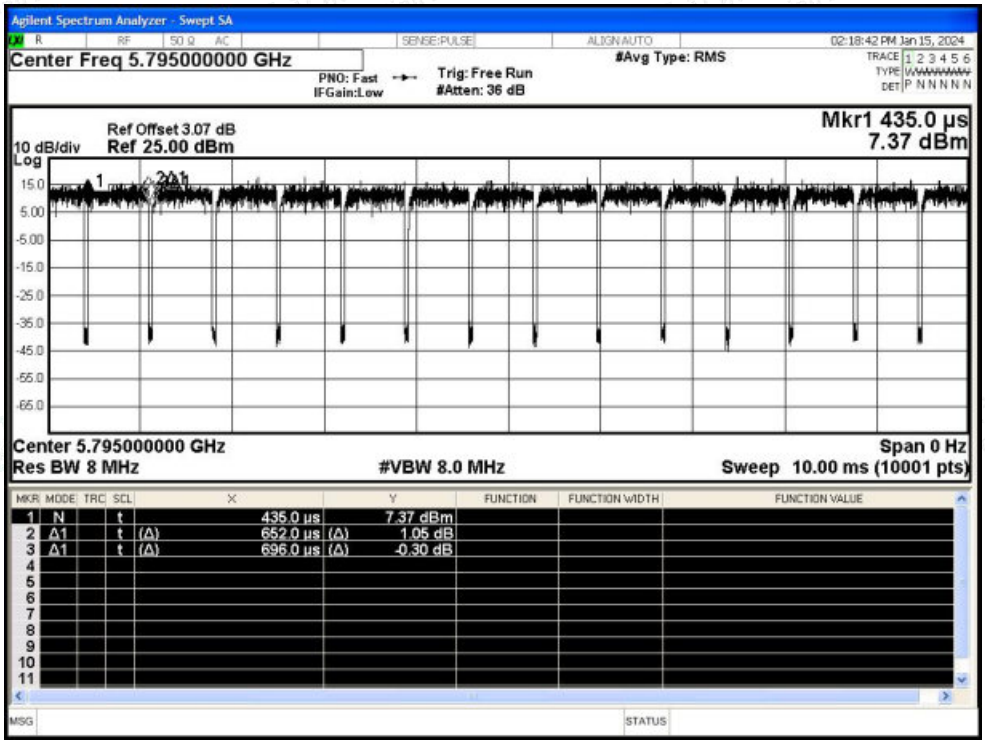
Duty Cycle NVNT ac20 5825MHz Ant0



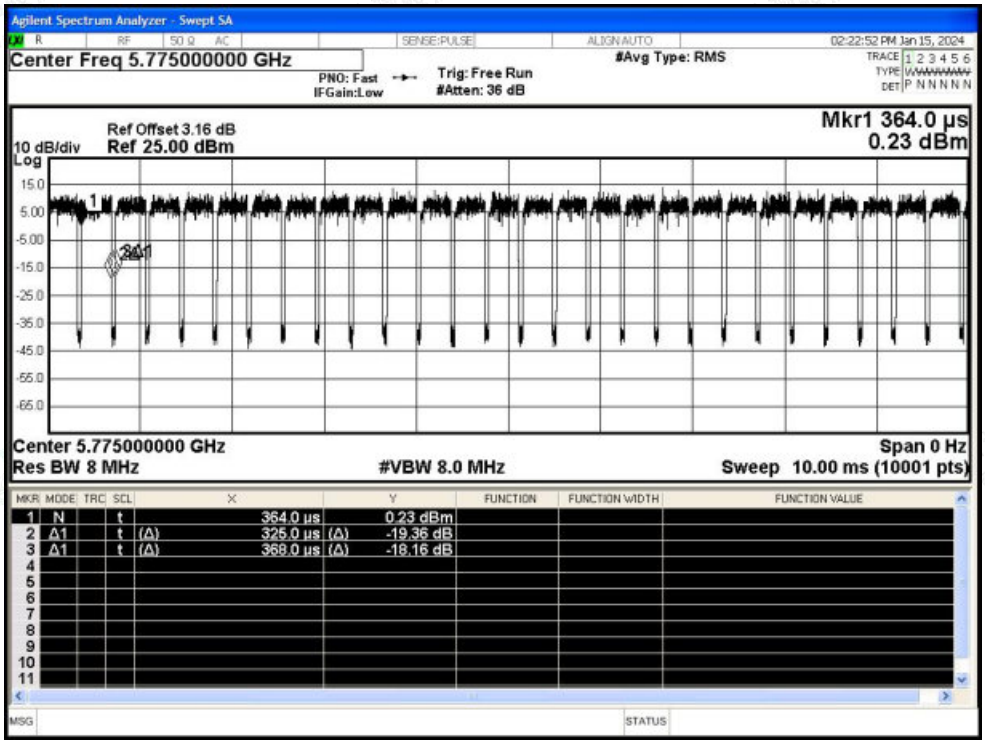
Duty Cycle NVNT ac40 5755MHz Ant0



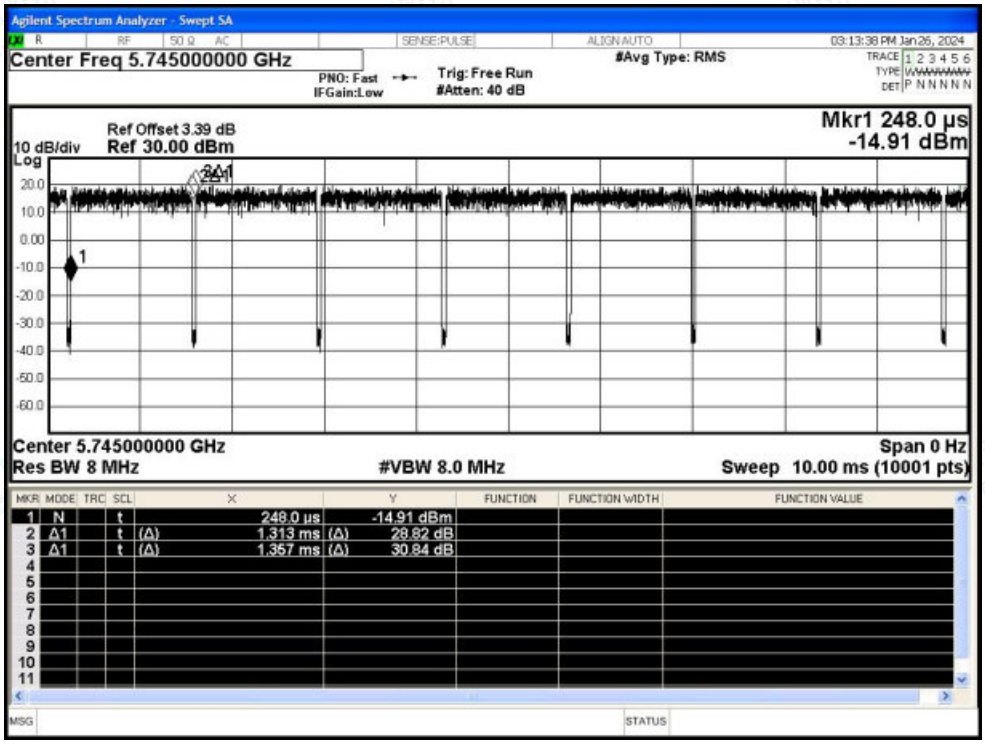
Duty Cycle NVNT ac40 5795MHz Ant0



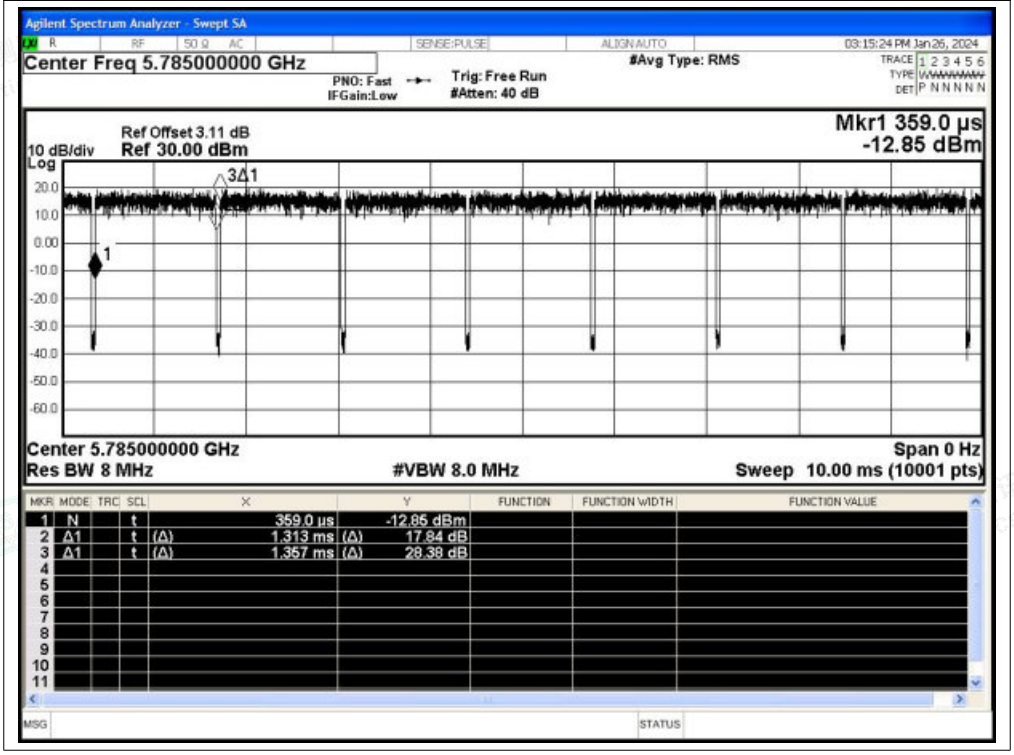
Duty Cycle NVNT ac80 5775MHz Ant0



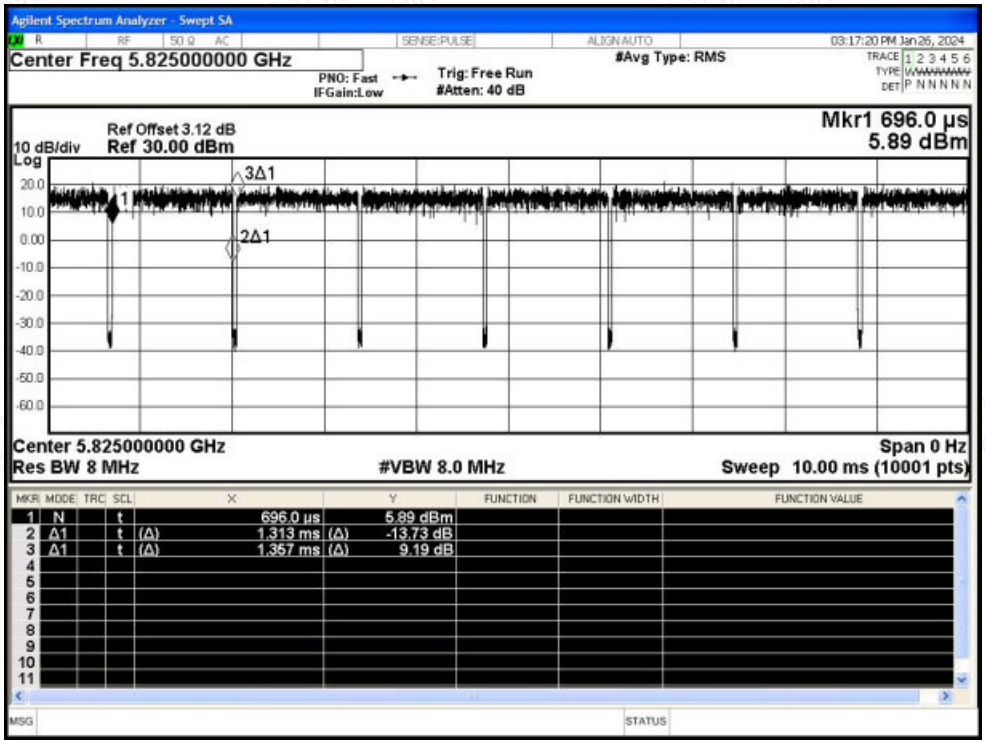
Duty Cycle NVNT ax20 5745MHz Ant0



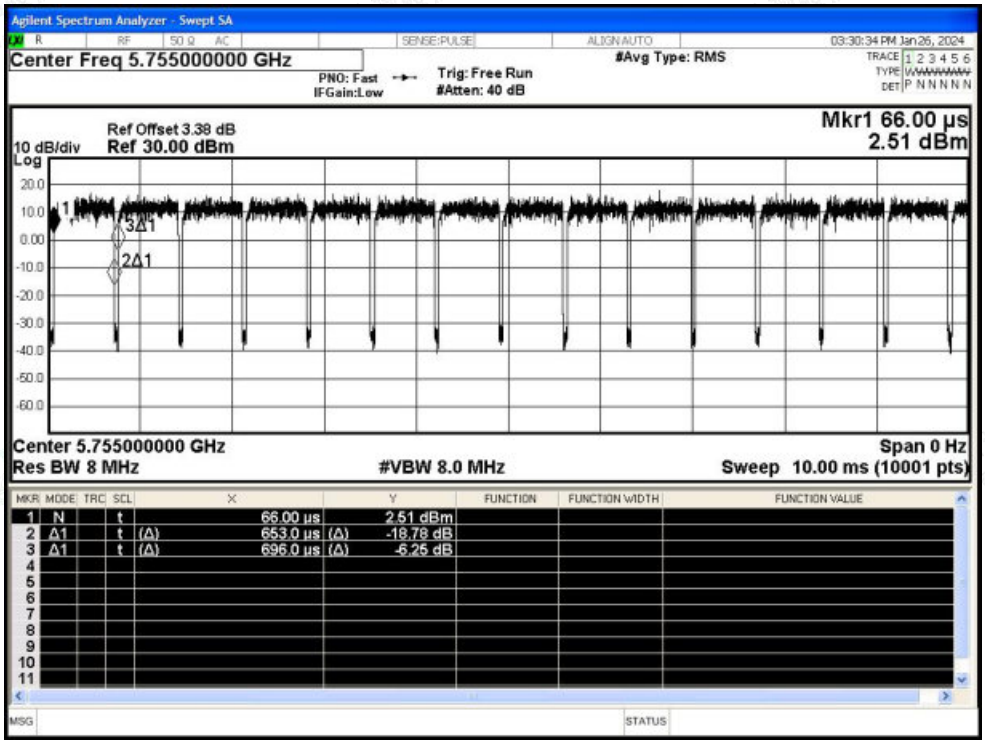
Duty Cycle NVNT ax20 5785MHz Ant0



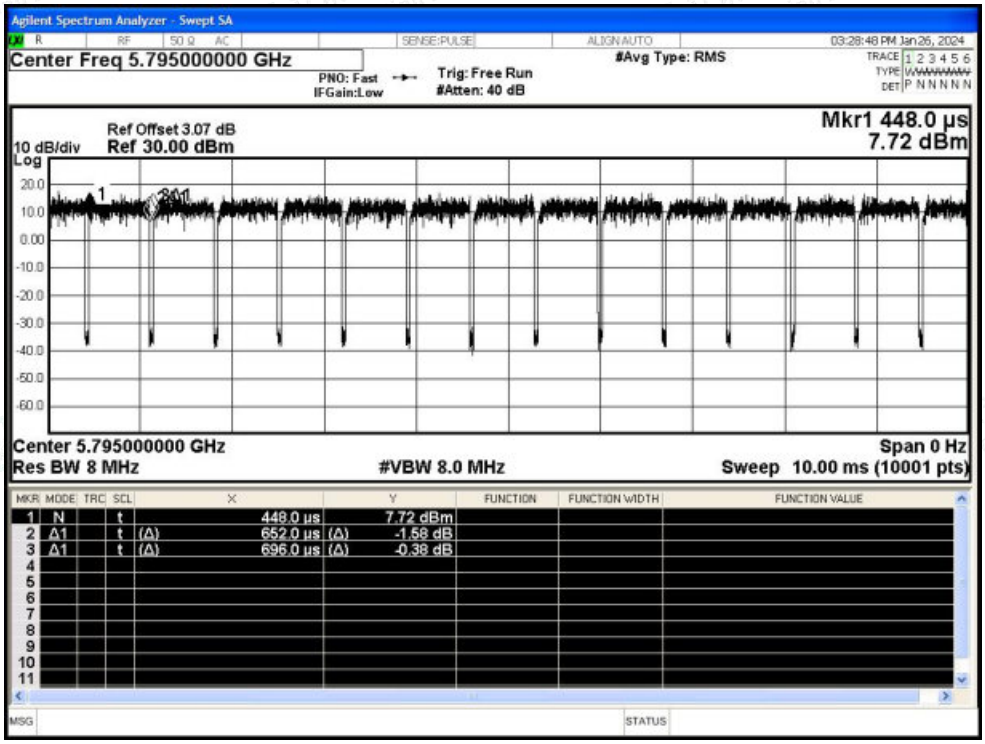
Duty Cycle NVNT ax20 5825MHz Ant0



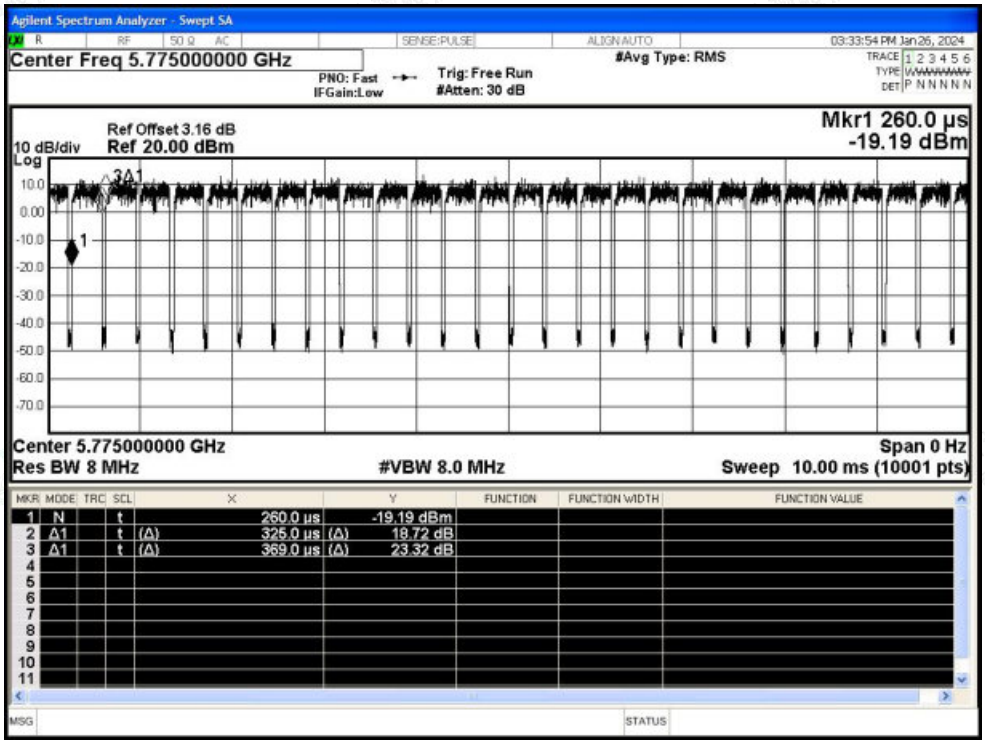
Duty Cycle NVNT ax40 5755MHz Ant0



Duty Cycle NVNT ax40 5795MHz Ant0

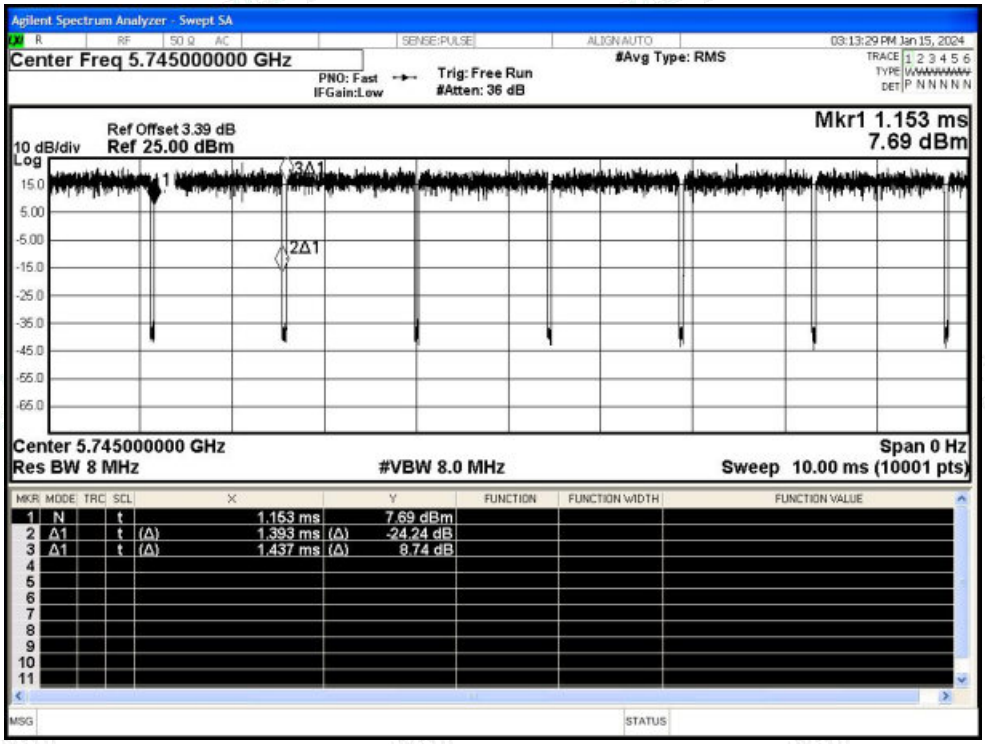


Duty Cycle NVNT ax80 5775MHz Ant0

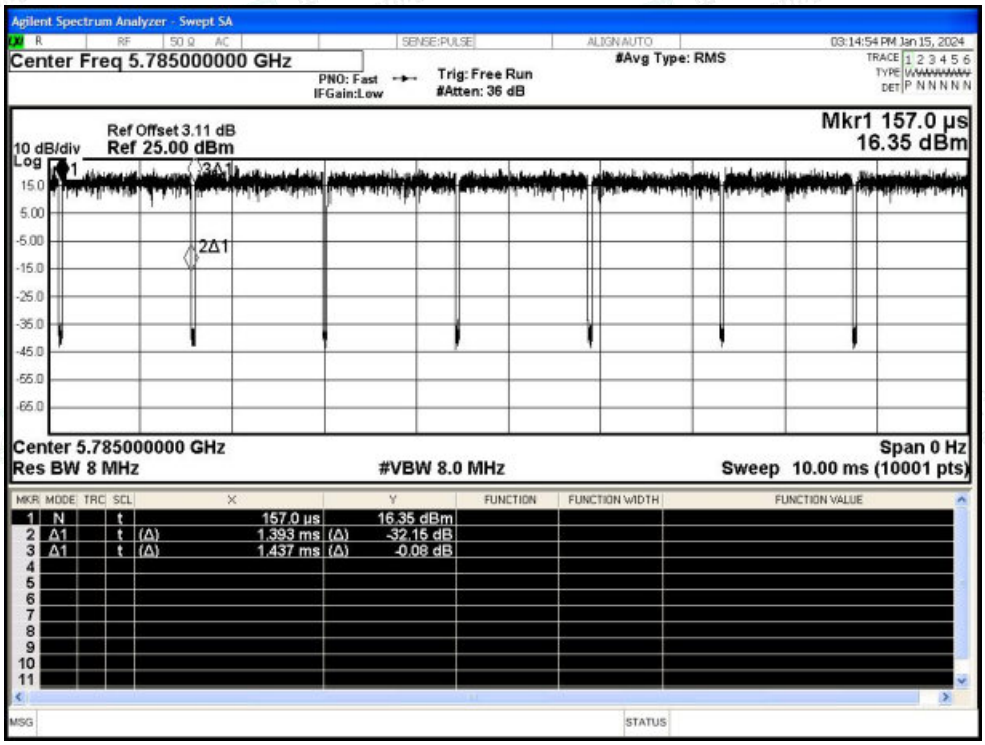


Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	96.94	0.13	0.72
NVNT	a	5785	Ant1	96.94	0.13	0.72
NVNT	a	5825	Ant1	96.87	0.14	0.72
NVNT	n20	5745	Ant1	96.7	0.15	0.78
NVNT	n20	5785	Ant1	96.7	0.15	0.78
NVNT	n20	5825	Ant1	96.62	0.15	0.78
NVNT	n40	5755	Ant1	93.53	0.29	1.57
NVNT	n40	5795	Ant1	93.53	0.29	1.57
NVNT	ac20	5745	Ant1	96.76	0.14	0.76
NVNT	ac20	5785	Ant1	96.76	0.14	0.76
NVNT	ac20	5825	Ant1	96.76	0.14	0.76
NVNT	ac40	5755	Ant1	93.68	0.28	1.53
NVNT	ac40	5795	Ant1	93.68	0.28	1.53
NVNT	ac80	5775	Ant1	88.04	0.55	3.09
NVNT	ax20	5745	Ant1	96.83	0.14	0.76
NVNT	ax20	5785	Ant1	96.76	0.14	0.76
NVNT	ax20	5825	Ant1	96.76	0.14	0.76
NVNT	ax40	5755	Ant1	93.82	0.28	1.53
NVNT	ax40	5795	Ant1	93.82	0.28	1.53
NVNT	ax80	5775	Ant1	88.04	0.55	3.09

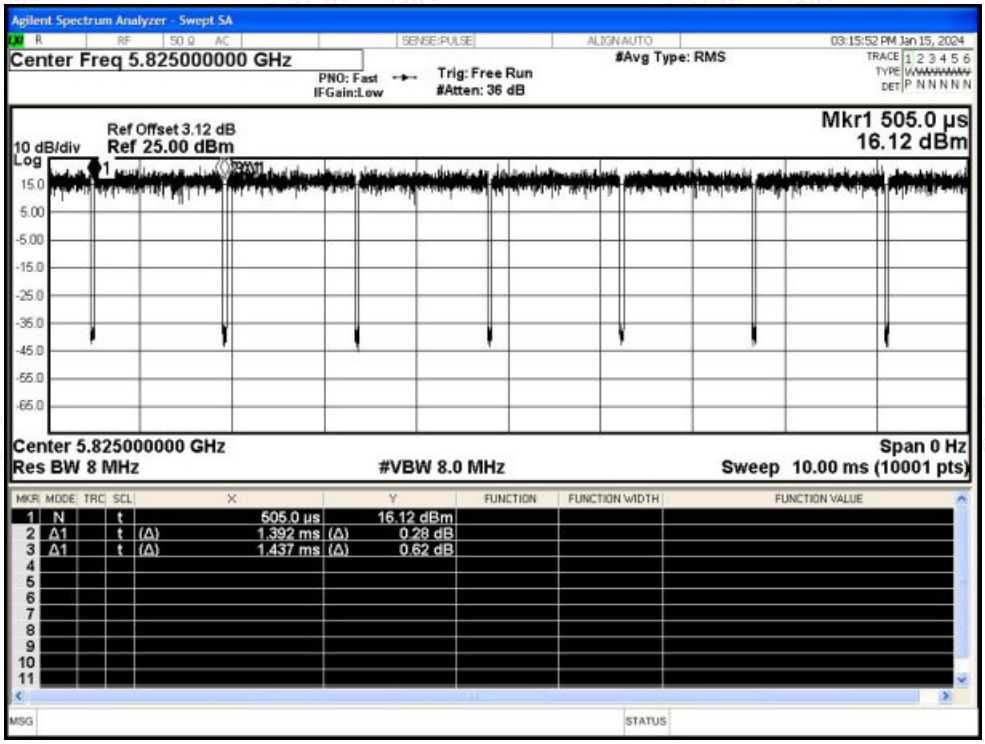
Test Graphs
Duty Cycle NVNT a 5745MHz Ant1



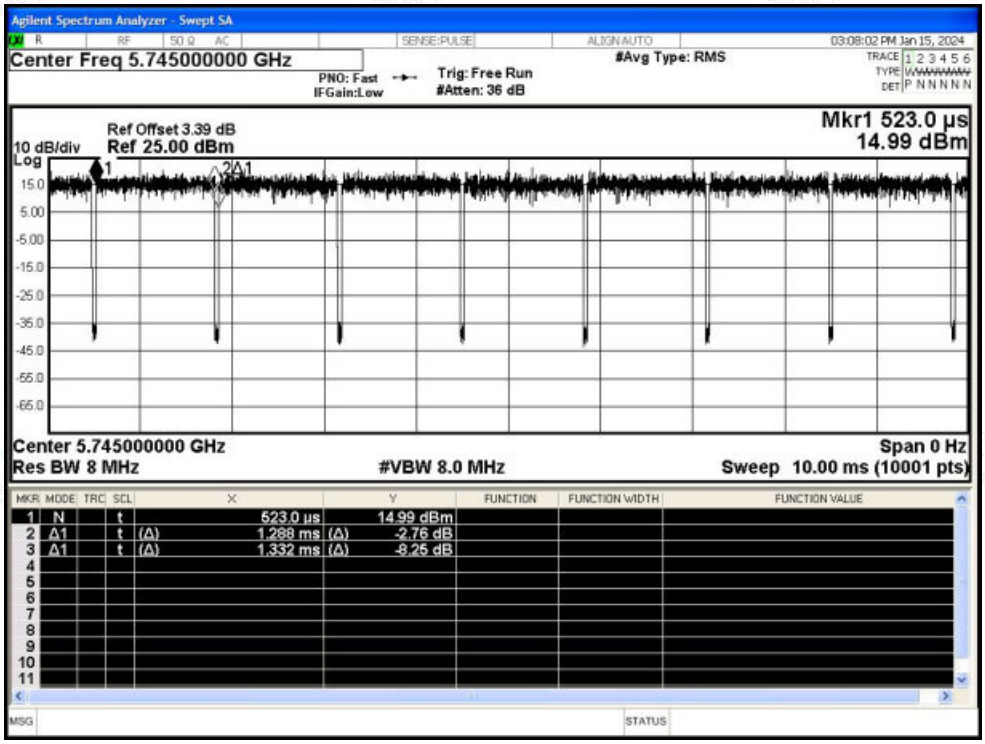
Duty Cycle NVNT a 5785MHz Ant1



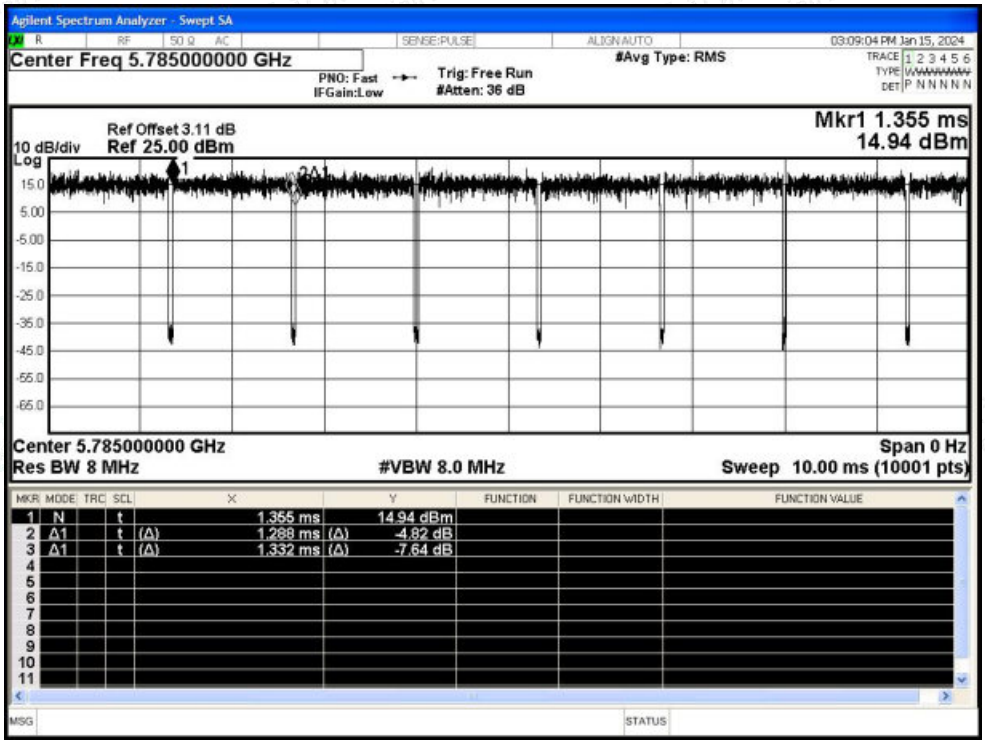
Duty Cycle NVNT a 5825MHz Ant1



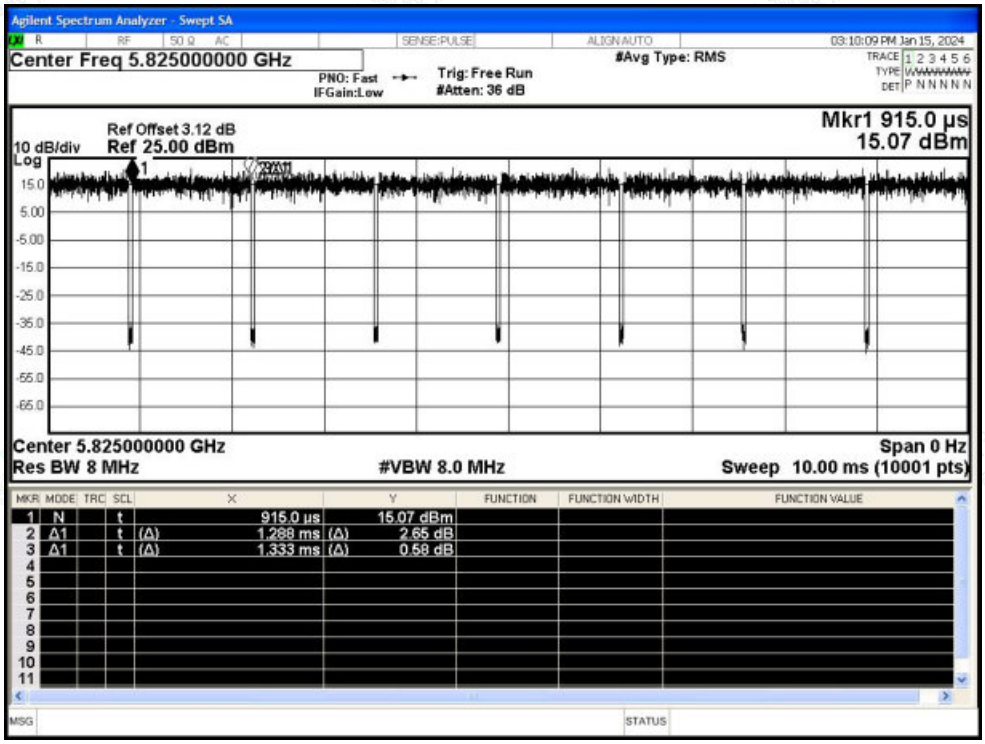
Duty Cycle NVNT n20 5745MHz Ant1



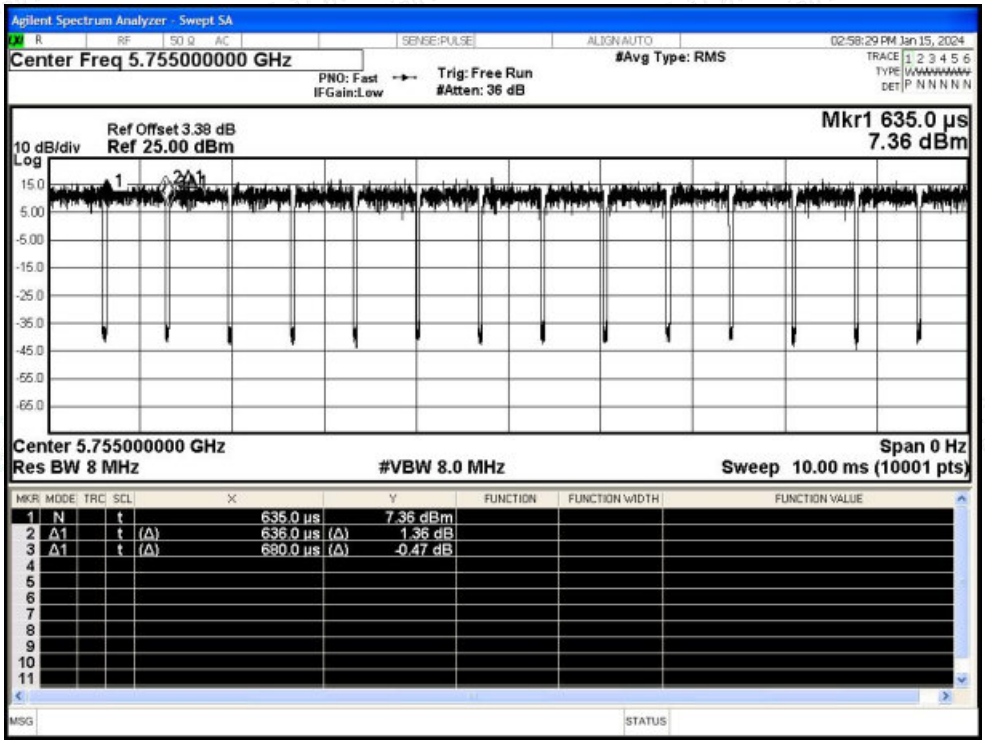
Duty Cycle NVNT n20 5785MHz Ant1



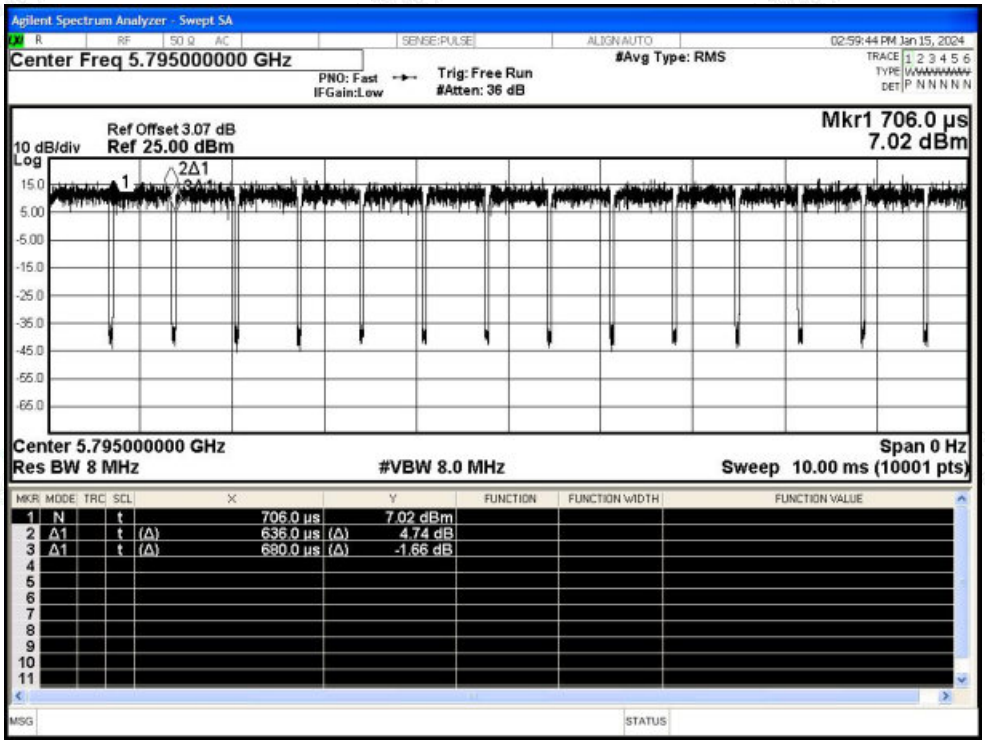
Duty Cycle NVNT n20 5825MHz Ant1



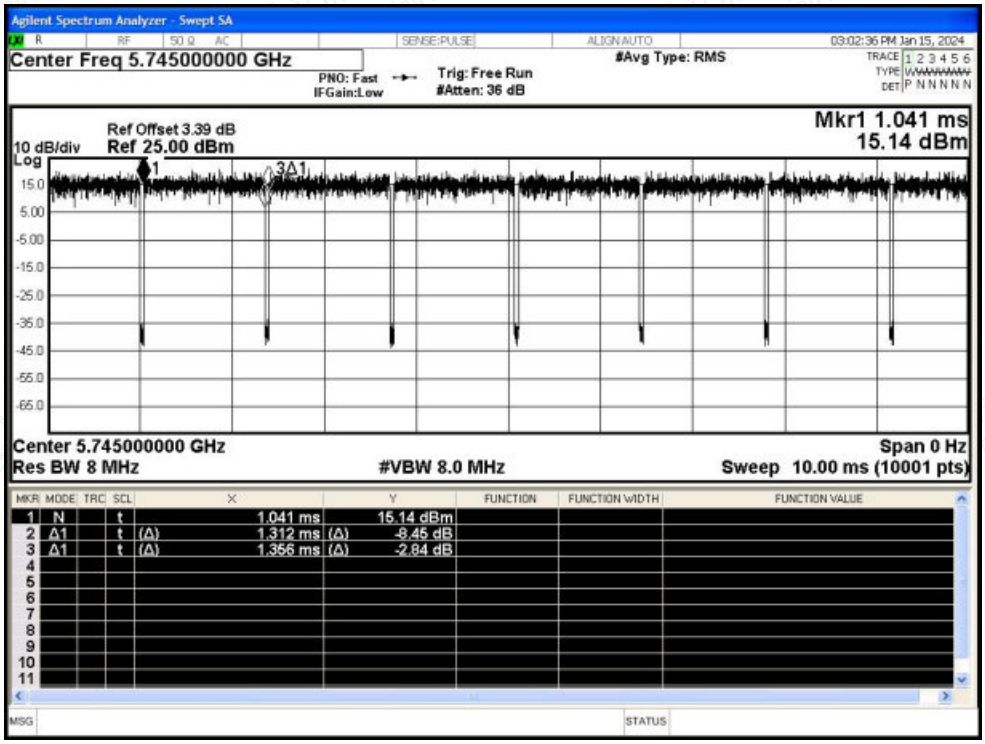
Duty Cycle NVNT n40 5755MHz Ant1



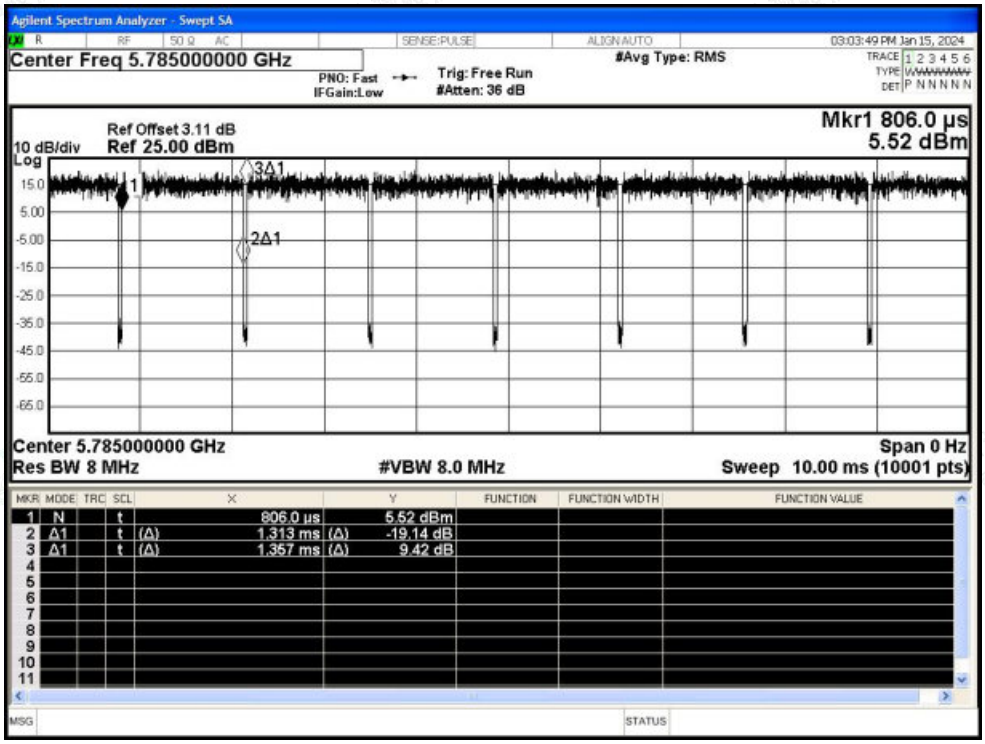
Duty Cycle NVNT n40 5795MHz Ant1



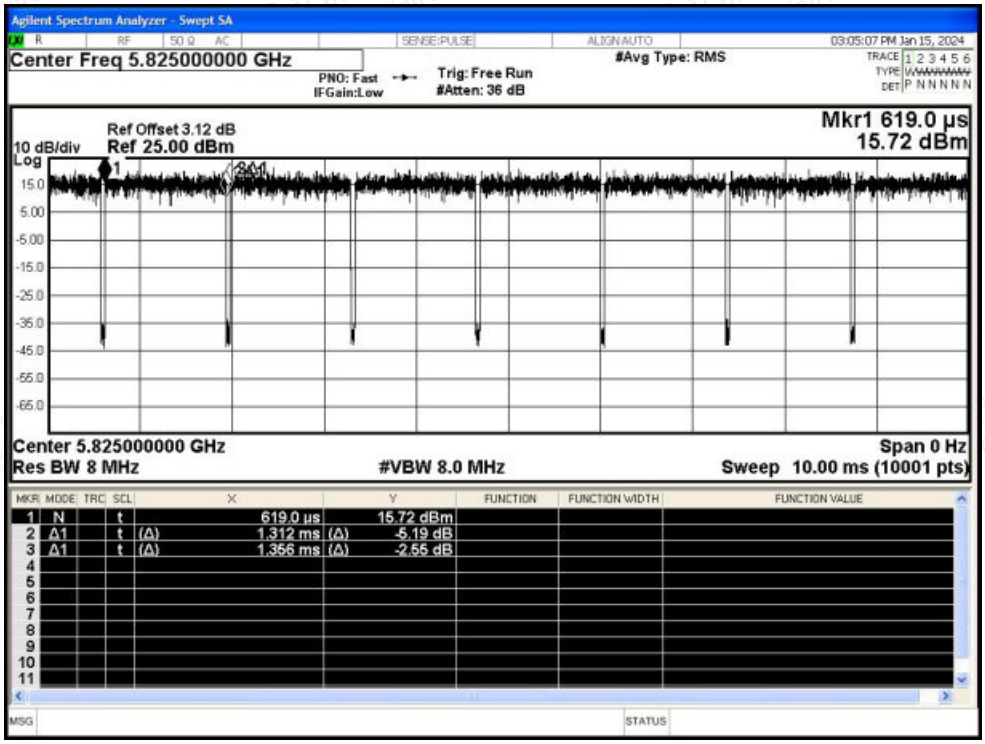
Duty Cycle NVNT ac20 5745MHz Ant1



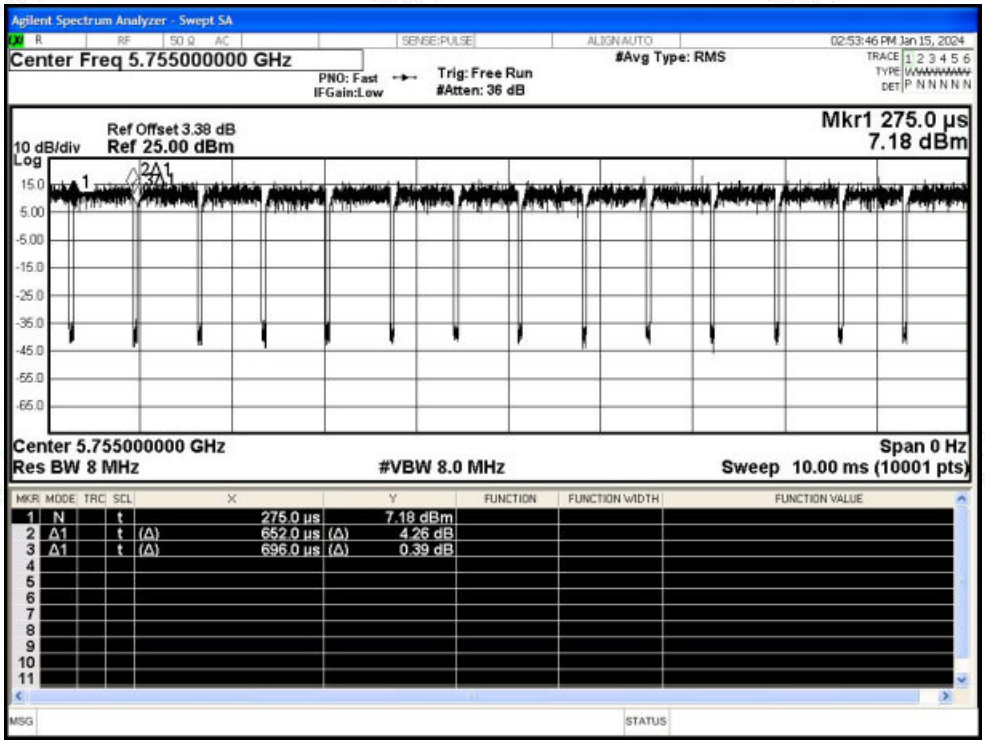
Duty Cycle NVNT ac20 5785MHz Ant1



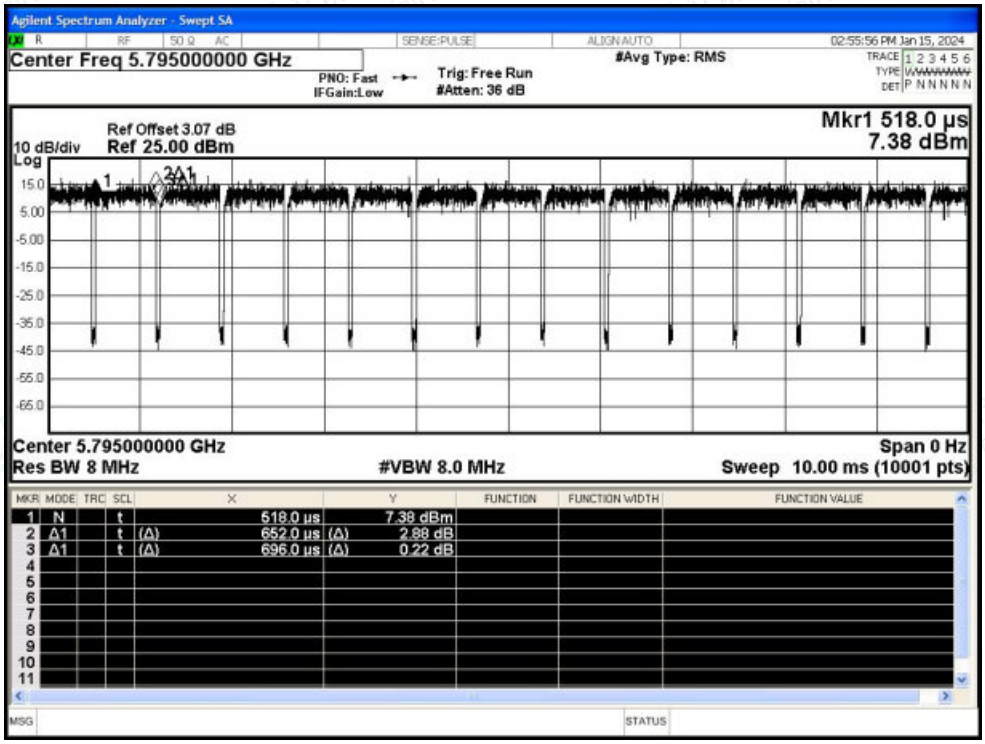
Duty Cycle NVNT ac20 5825MHz Ant1



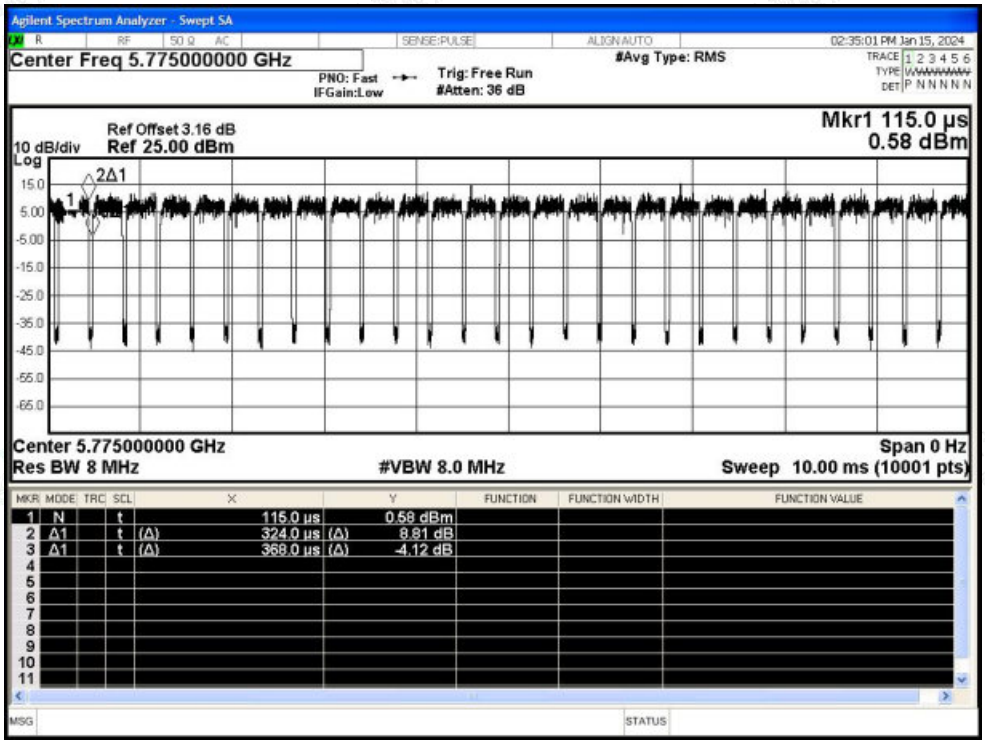
Duty Cycle NVNT ac40 5755MHz Ant1



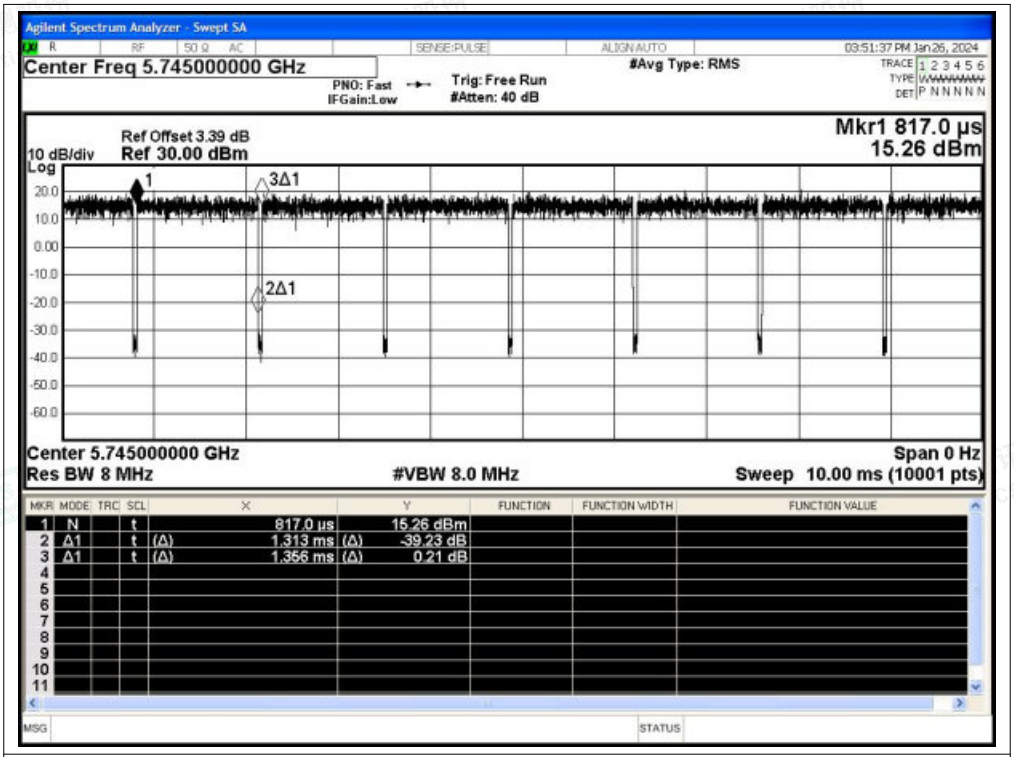
Duty Cycle NVNT ac40 5795MHz Ant1



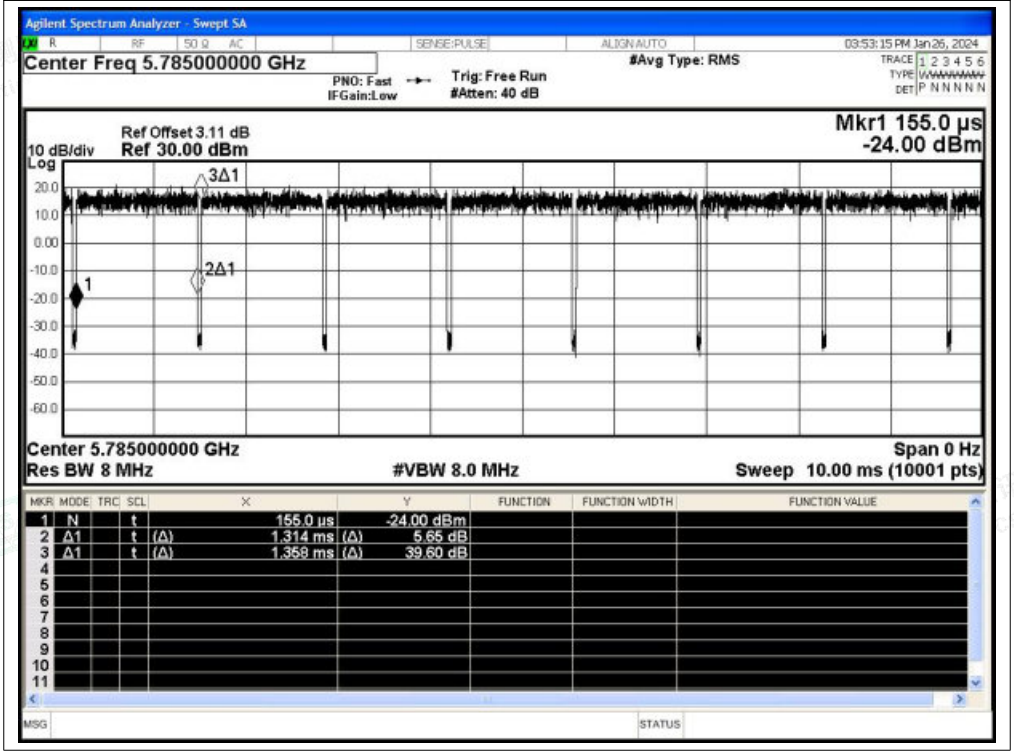
Duty Cycle NVNT ac80 5775MHz Ant1



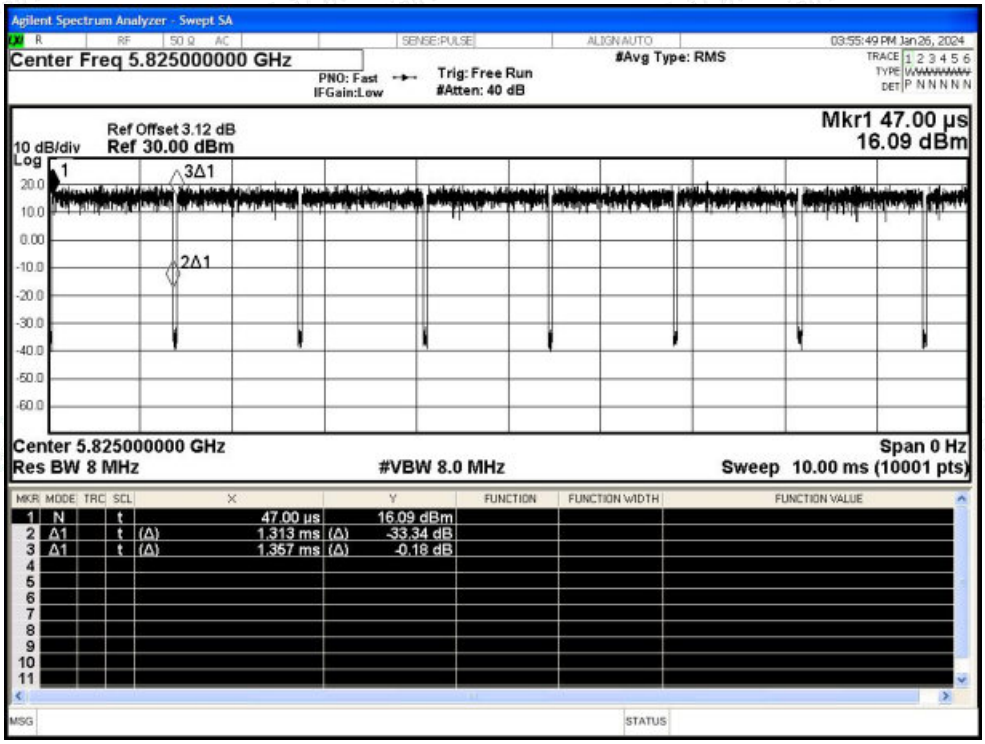
Duty Cycle NVNT ax20 5745MHz Ant1



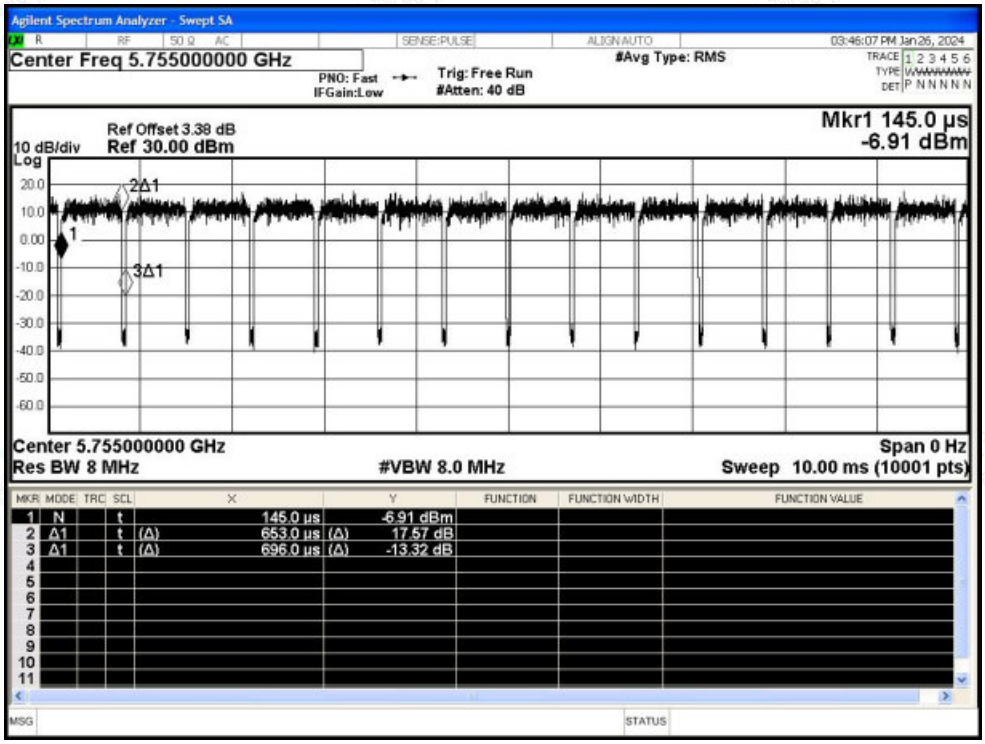
Duty Cycle NVNT ax20 5785MHz Ant1



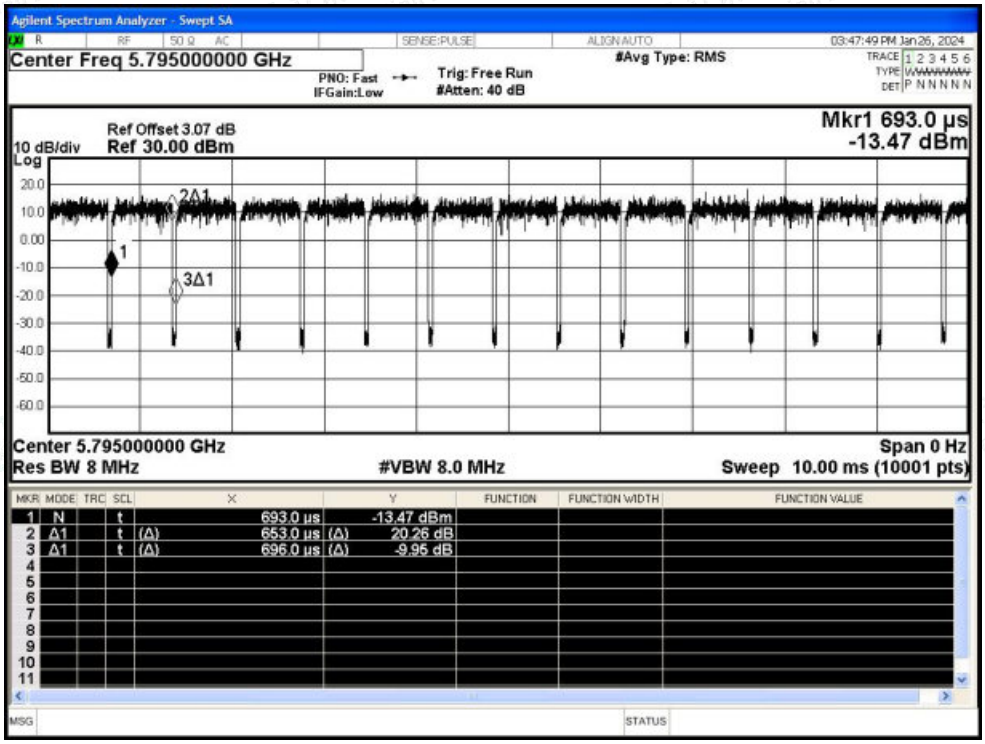
Duty Cycle NVNT ax20 5825MHz Ant1



Duty Cycle NVNT ax40 5755MHz Ant1



Duty Cycle NVNT ax40 5795MHz Ant1



Duty Cycle NVNT ax80 5775MHz Ant1