Appendix E

RF Test Data for 5.8GWIFI (Conducted Measurement)

Product Name: Tablet PC

Test Model: IRADUO PRO 5G

Environmental Conditions

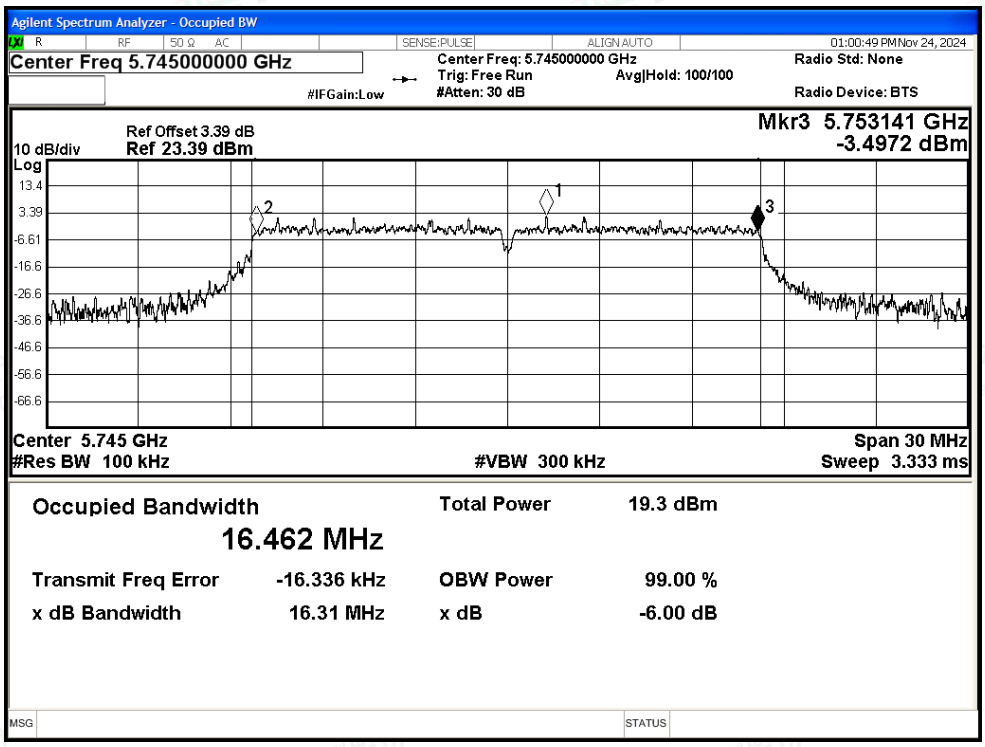
Temperature:	23.5°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

E.1 -6dB Bandwidth

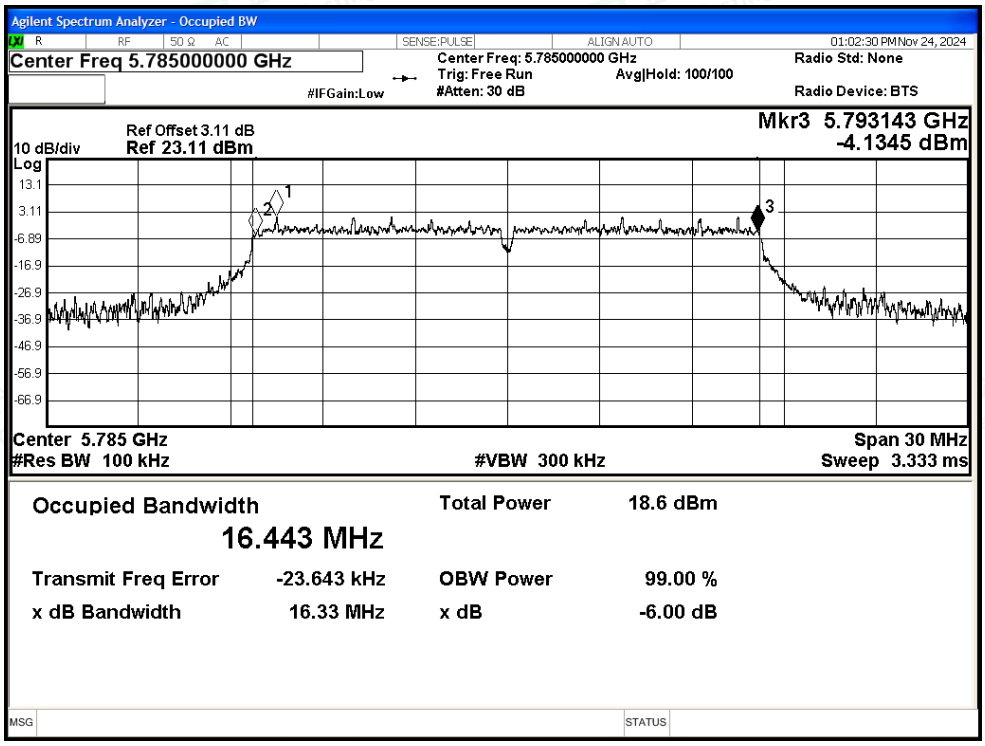
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant7	16.315	>=0.5	Pass
NVNT	a	5785	Ant7	16.334	>=0.5	Pass
NVNT	a	5825	Ant7	16.333	>=0.5	Pass
NVNT	n20	5745	Ant7	17.538	>=0.5	Pass
NVNT	n20	5785	Ant7	17.555	>=0.5	Pass
NVNT	n20	5825	Ant7	17.18	>=0.5	Pass
NVNT	n40	5755	Ant7	36.268	>=0.5	Pass
NVNT	n40	5795	Ant7	36.027	>=0.5	Pass
NVNT	ac20	5745	Ant7	17.27	>=0.5	Pass
NVNT	ac20	5785	Ant7	17.526	>=0.5	Pass
NVNT	ac20	5825	Ant7	17.414	>=0.5	Pass
NVNT	ac40	5755	Ant7	36.284	>=0.5	Pass
NVNT	ac40	5795	Ant7	36.163	>=0.5	Pass
NVNT	ac80	5775	Ant7	75.552	>=0.5	Pass

Test Graphs

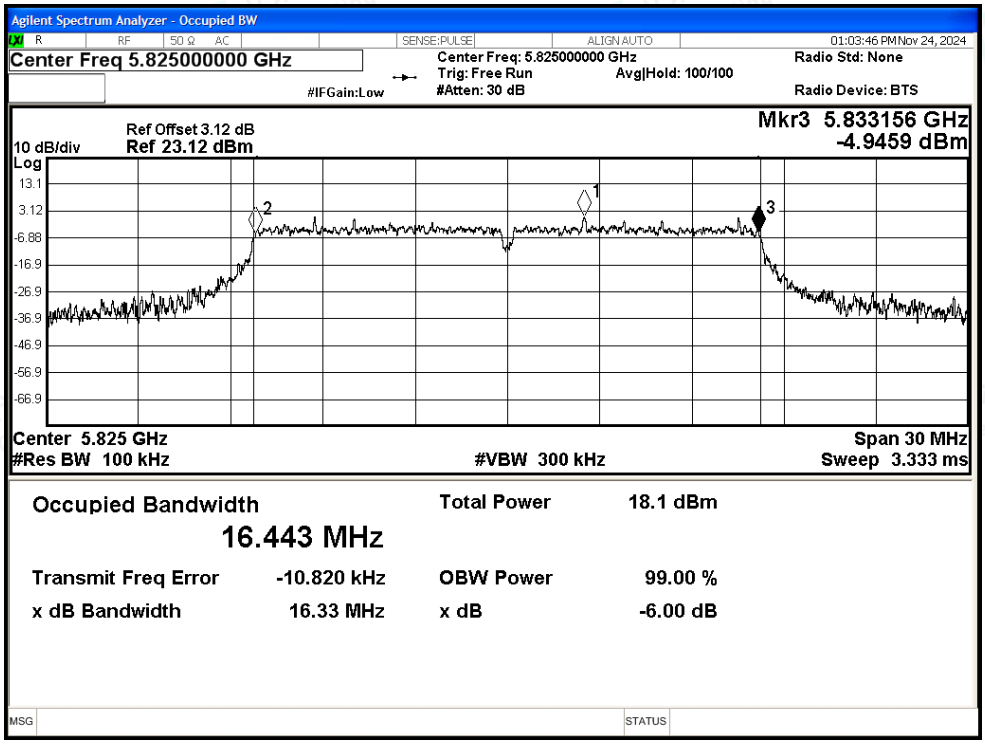
-6dB Bandwidth NVNT a 5745MHz Ant7



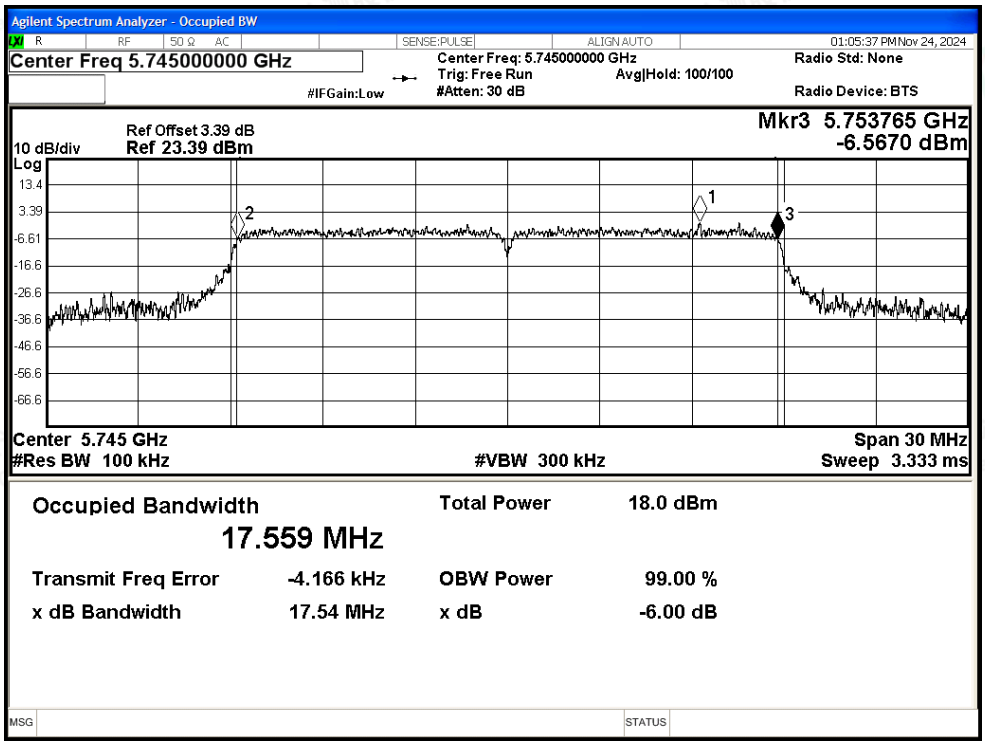
-6dB Bandwidth NVNT a 5785MHz Ant7



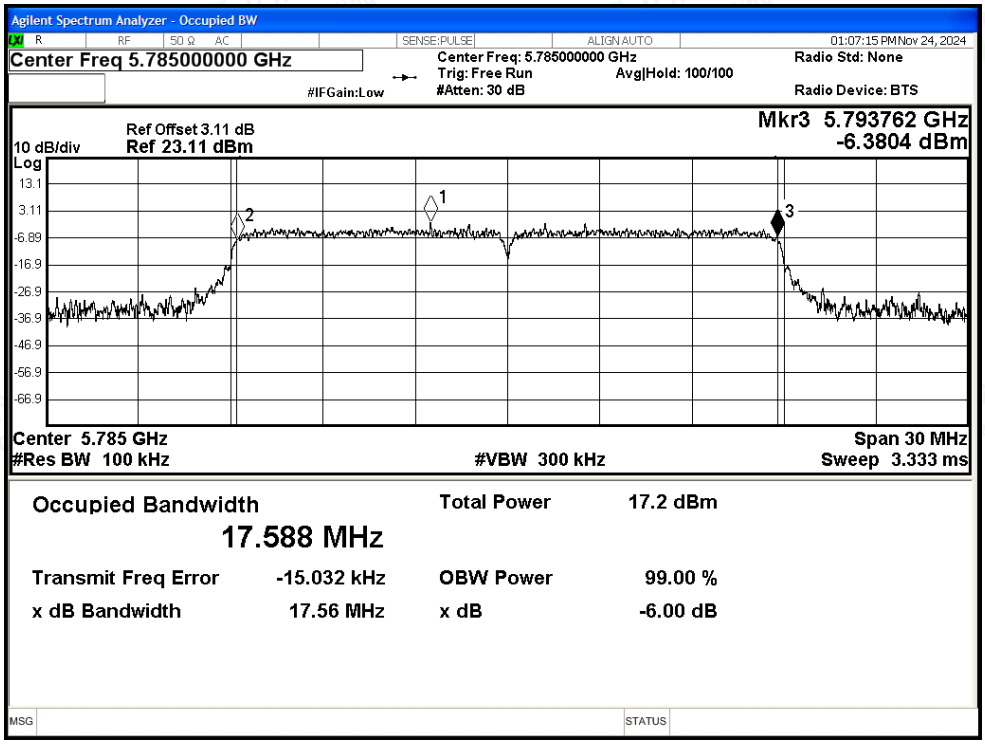
-6dB Bandwidth NVNT a 5825MHz Ant7



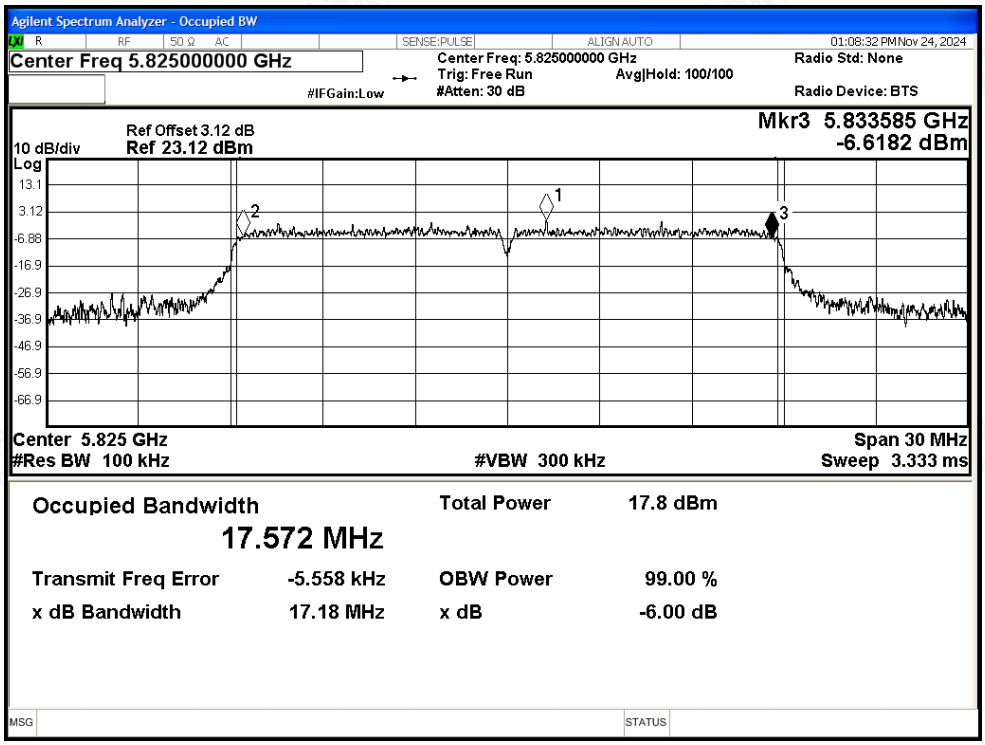
-6dB Bandwidth NVNT n20 5745MHz Ant7



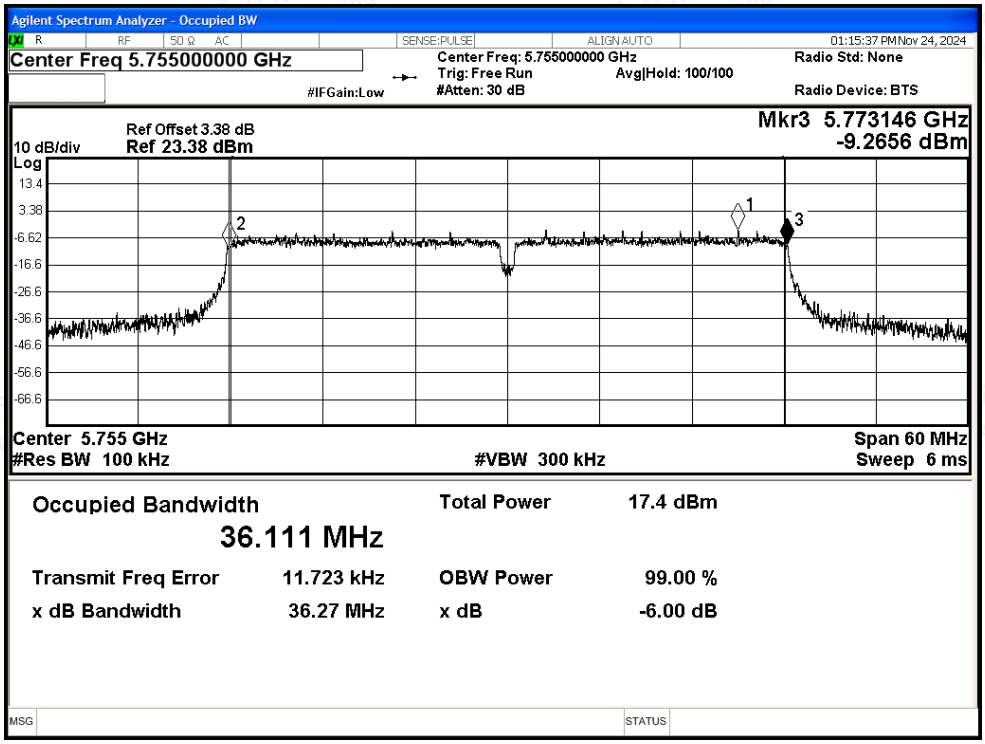
-6dB Bandwidth NVNT n20 5785MHz Ant7



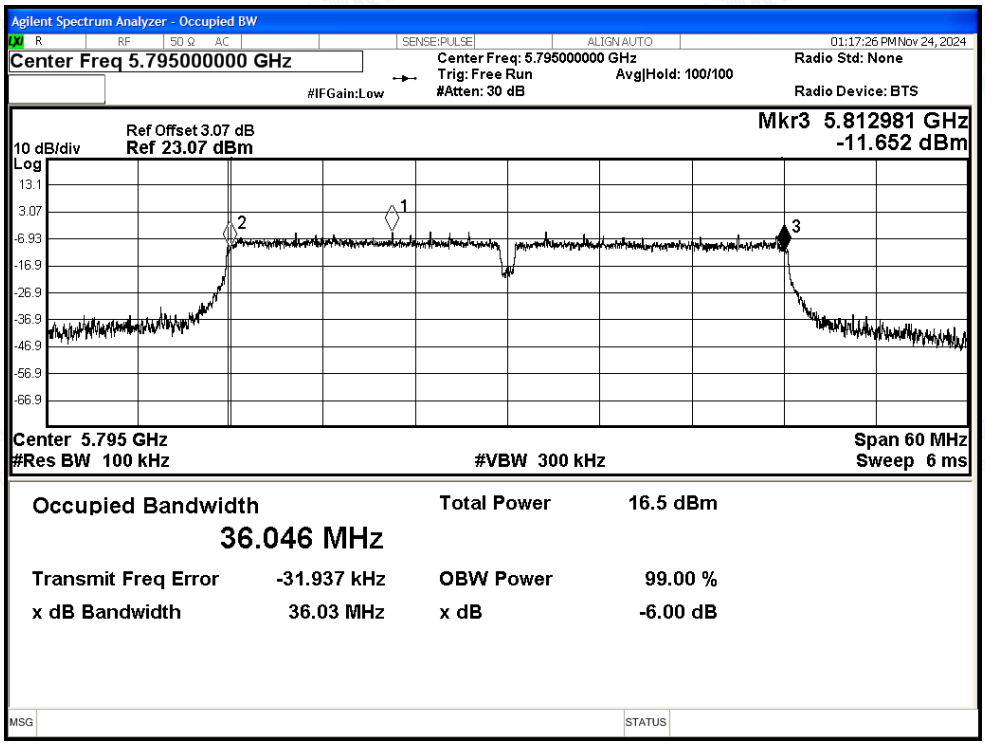
-6dB Bandwidth NVNT n20 5825MHz Ant7



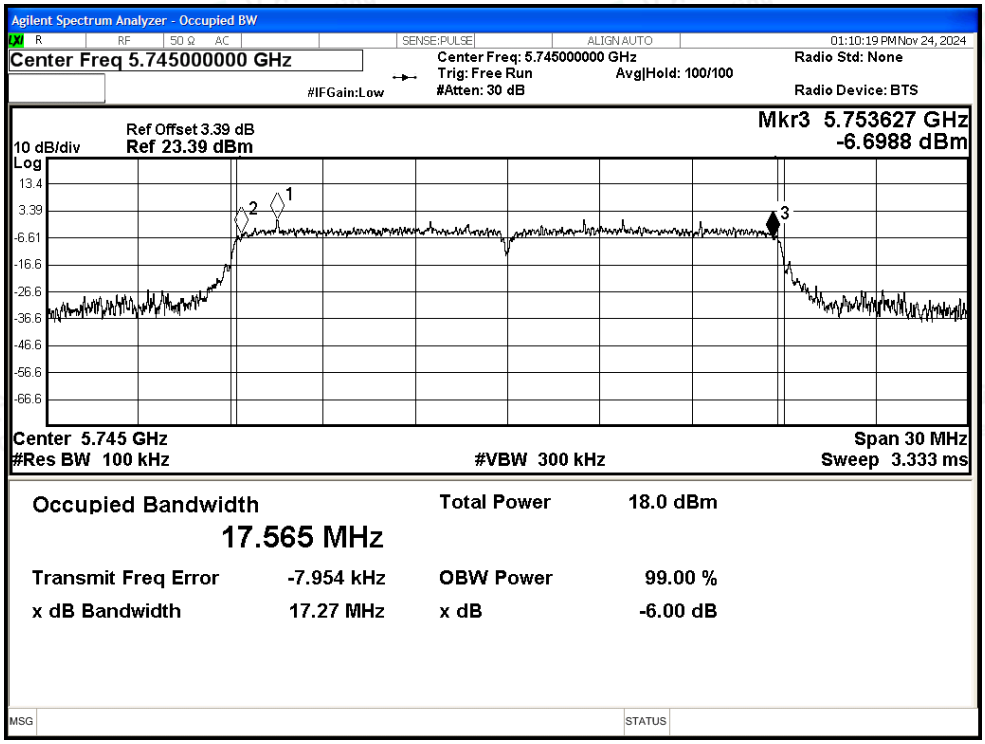
-6dB Bandwidth NVNT n40 5755MHz Ant7



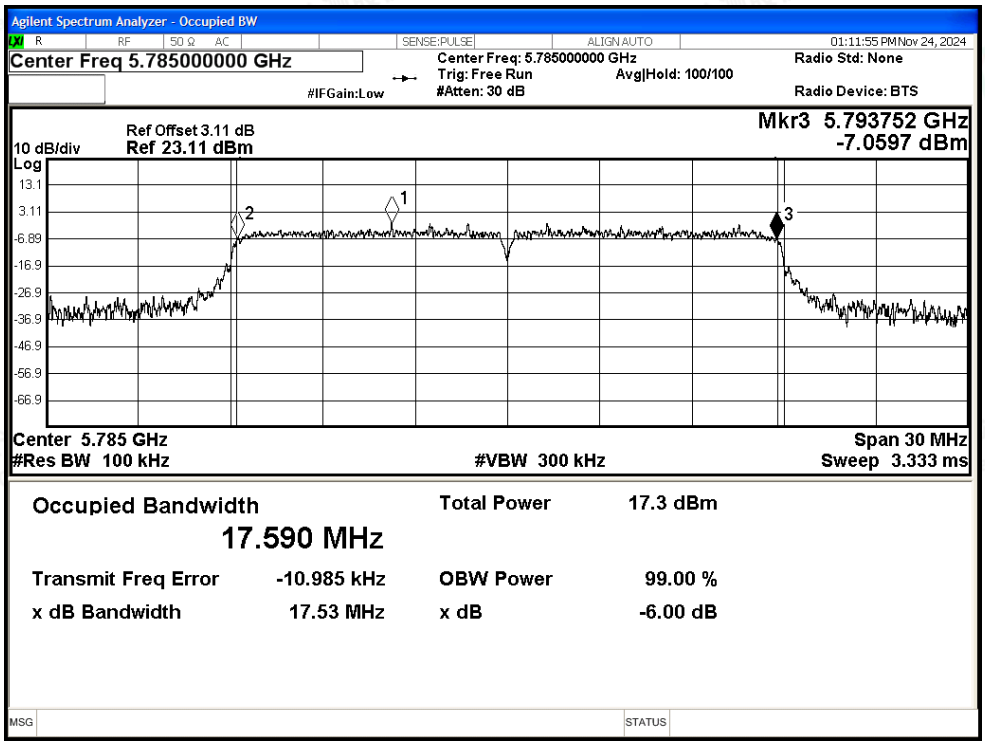
-6dB Bandwidth NVNT n40 5795MHz Ant7



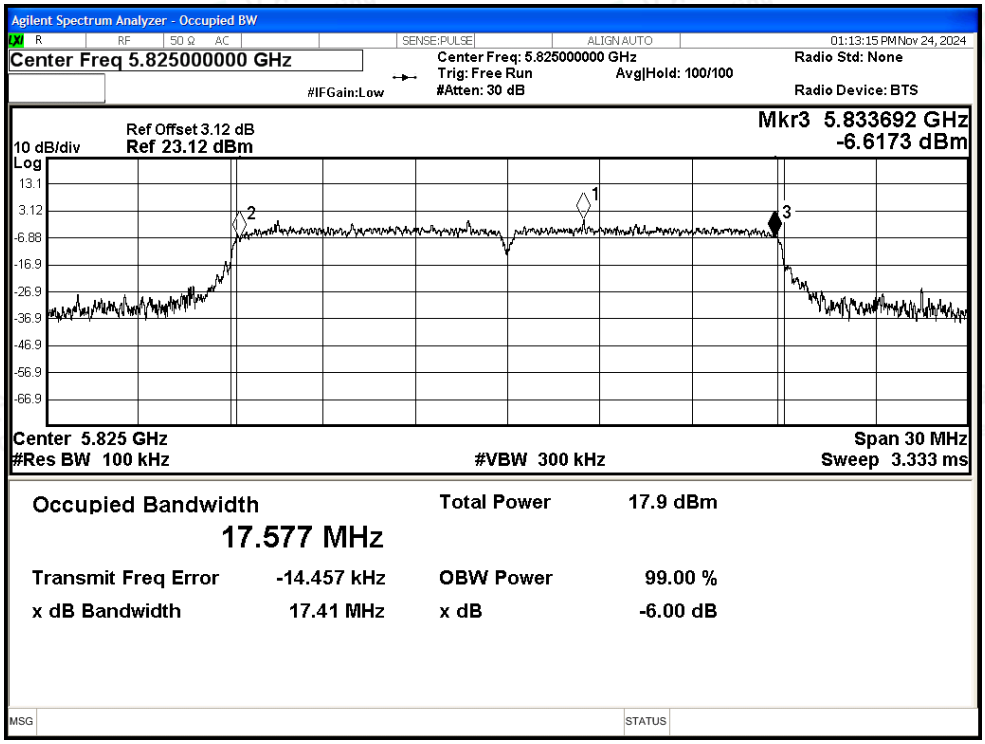
-6dB Bandwidth NVNT ac20 5745MHz Ant7



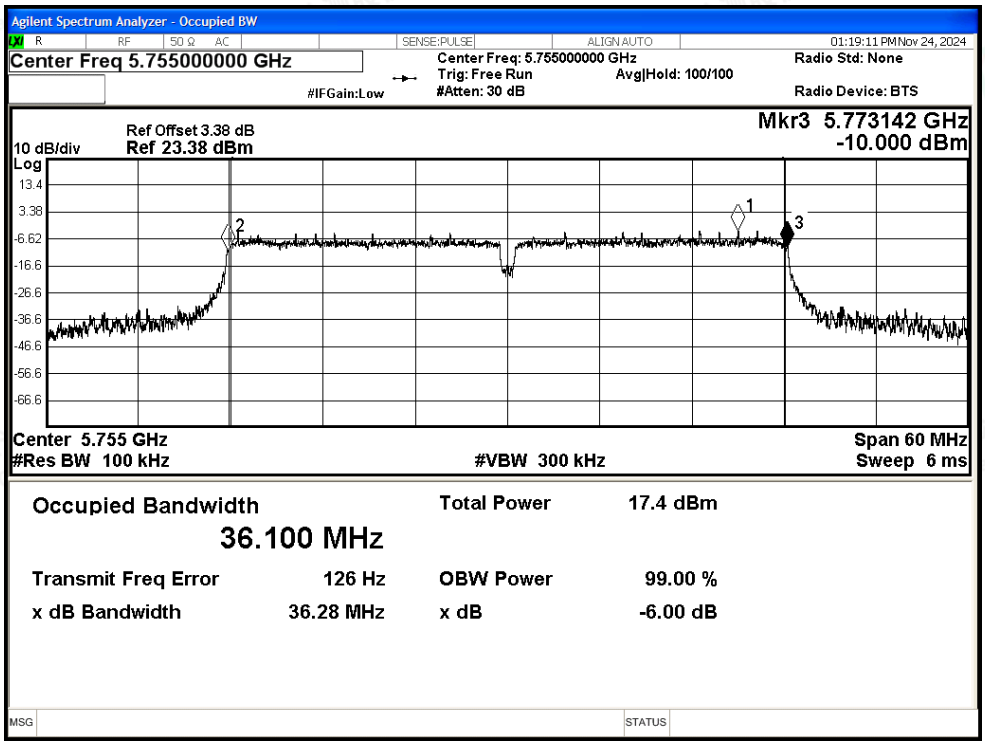
-6dB Bandwidth NVNT ac20 5785MHz Ant7



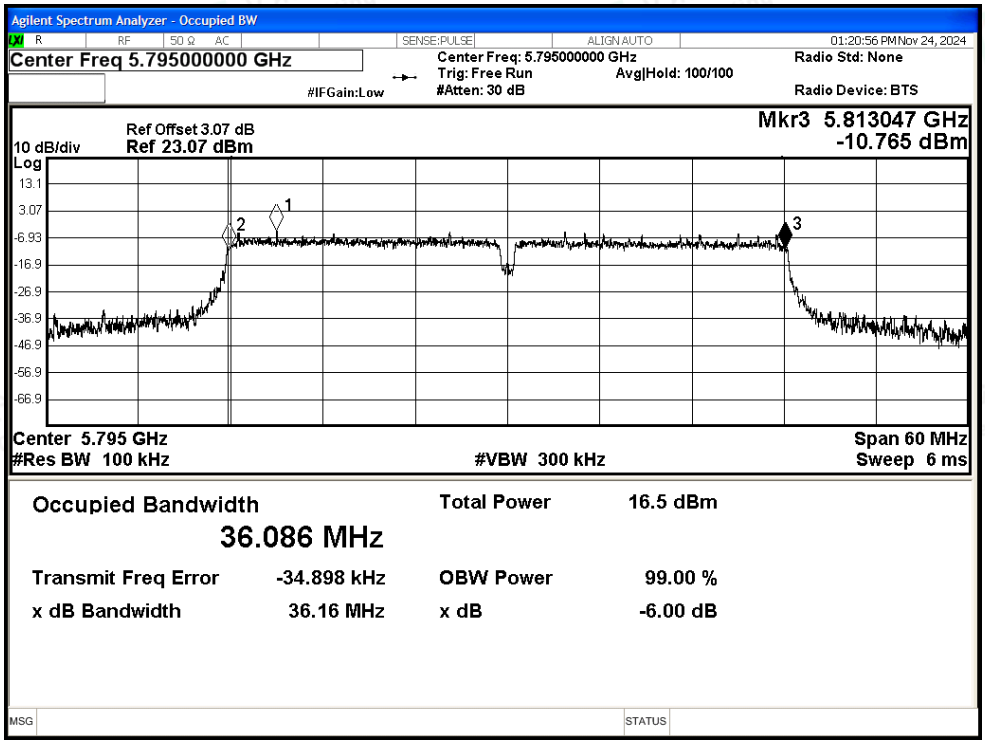
-6dB Bandwidth NVNT ac20 5825MHz Ant7



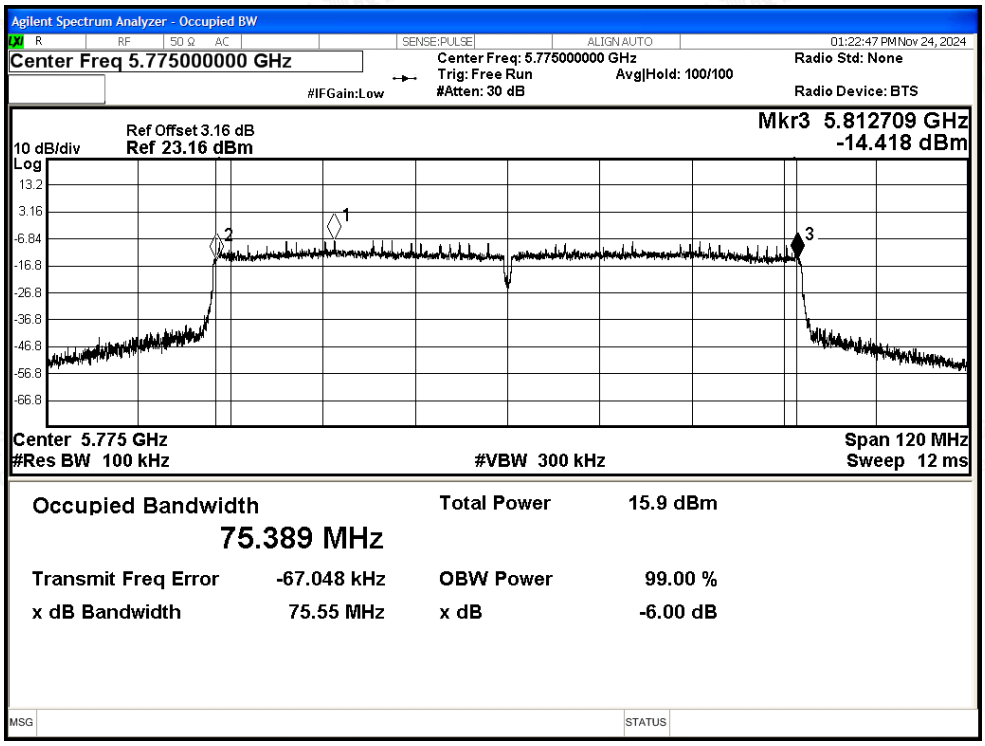
-6dB Bandwidth NVNT ac40 5755MHz Ant7



-6dB Bandwidth NVNT ac40 5795MHz Ant7



-6dB Bandwidth NVNT ac80 5775MHz Ant7



E.2 Maximum Conducted Output Power

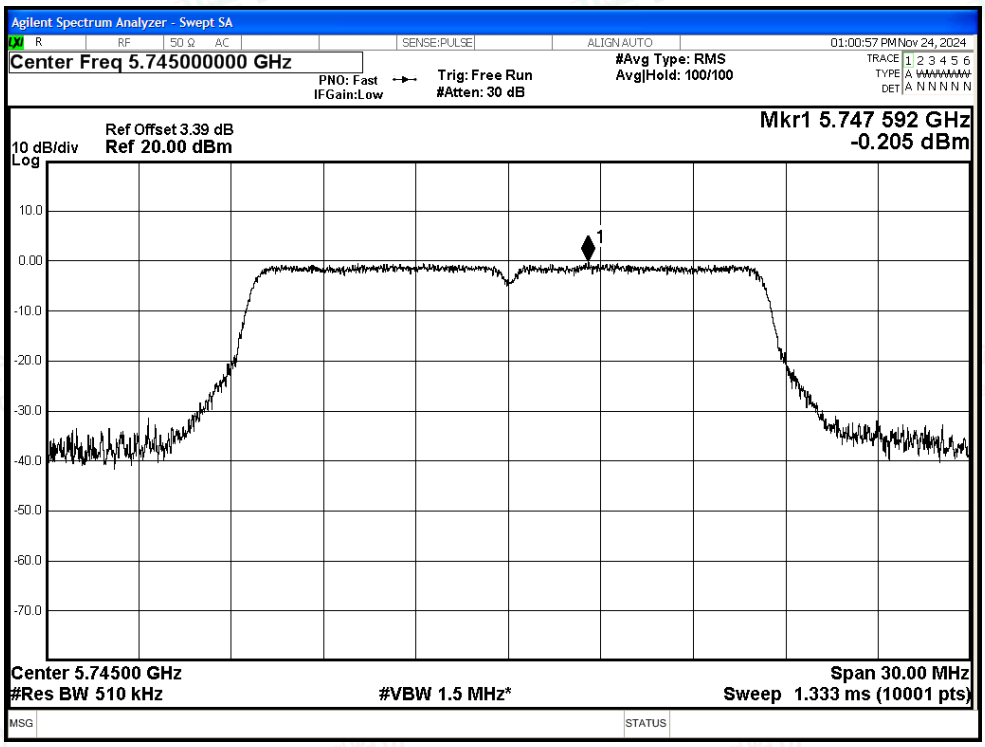
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant7	12.95	0.24	13.19	30	Pass
NVNT	a	5785	Ant7	12.48	0.24	12.72	30	Pass
NVNT	a	5825	Ant7	12.16	0.24	12.4	30	Pass
NVNT	n20	5745	Ant7	11.83	0.12	11.95	30	Pass
NVNT	n20	5785	Ant7	11.01	0.12	11.13	30	Pass
NVNT	n20	5825	Ant7	11.64	0.12	11.76	30	Pass
NVNT	n40	5755	Ant7	10.78	0.24	11.02	30	Pass
NVNT	n40	5795	Ant7	9.93	0.24	10.17	30	Pass
NVNT	ac20	5745	Ant7	11.82	0.12	11.94	30	Pass
NVNT	ac20	5785	Ant7	11.05	0.12	11.17	30	Pass
NVNT	ac20	5825	Ant7	11.7	0.12	11.82	30	Pass
NVNT	ac40	5755	Ant7	10.81	0.24	11.05	30	Pass
NVNT	ac40	5795	Ant7	9.94	0.24	10.18	30	Pass
NVNT	ac80	5775	Ant7	8.93	0.25	9.18	30	Pass

E.3 Maximum Power Spectral Density Level

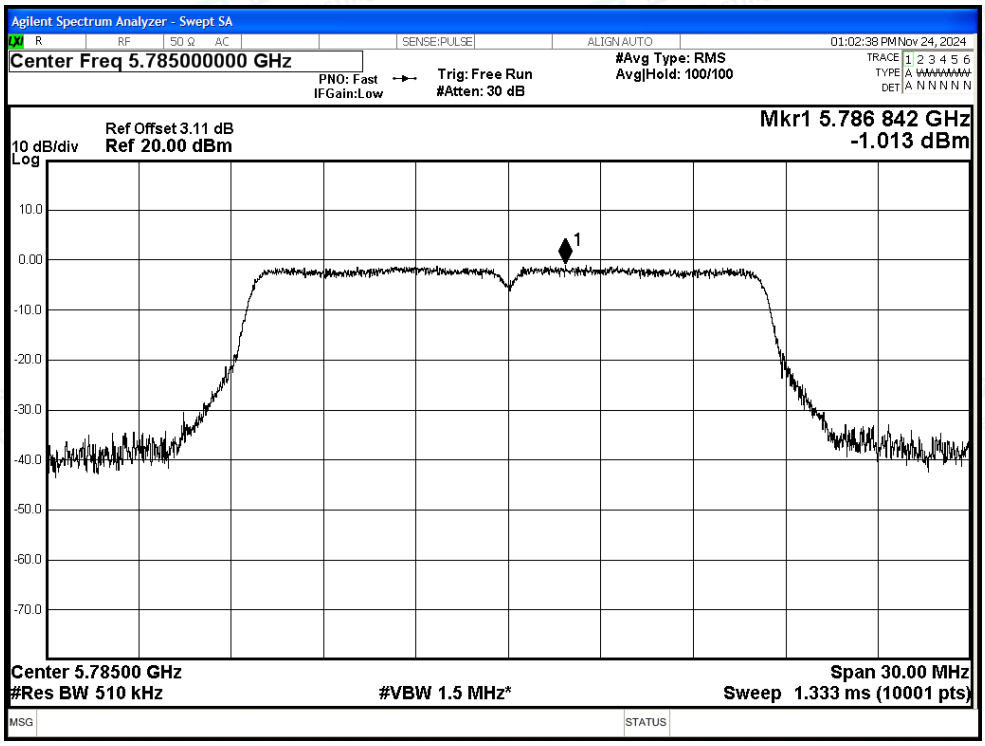
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD(dBm/500KHz)	Duty Factor (dB)	Total PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
NVNT	a	5745	Ant7	-0.21	0.24	0.03	30	Pass
NVNT	a	5785	Ant7	-1.01	0.24	-0.77	30	Pass
NVNT	a	5825	Ant7	-1.35	0.24	-1.11	30	Pass
NVNT	n20	5745	Ant7	-2.08	0.12	-1.96	30	Pass
NVNT	n20	5785	Ant7	-2.85	0.12	-2.73	30	Pass
NVNT	n20	5825	Ant7	-2.29	0.12	-2.17	30	Pass
NVNT	n40	5755	Ant7	-5.97	0.24	-5.73	30	Pass
NVNT	n40	5795	Ant7	-6.43	0.24	-6.19	30	Pass
NVNT	ac20	5745	Ant7	-1.85	0.12	-1.73	30	Pass
NVNT	ac20	5785	Ant7	-2.78	0.12	-2.66	30	Pass
NVNT	ac20	5825	Ant7	-2.2	0.12	-2.08	30	Pass
NVNT	ac40	5755	Ant7	-5.97	0.24	-5.73	30	Pass
NVNT	ac40	5795	Ant7	-6.37	0.24	-6.13	30	Pass
NVNT	ac80	5775	Ant7	-10.65	0.25	-10.4	30	Pass

Test Graphs

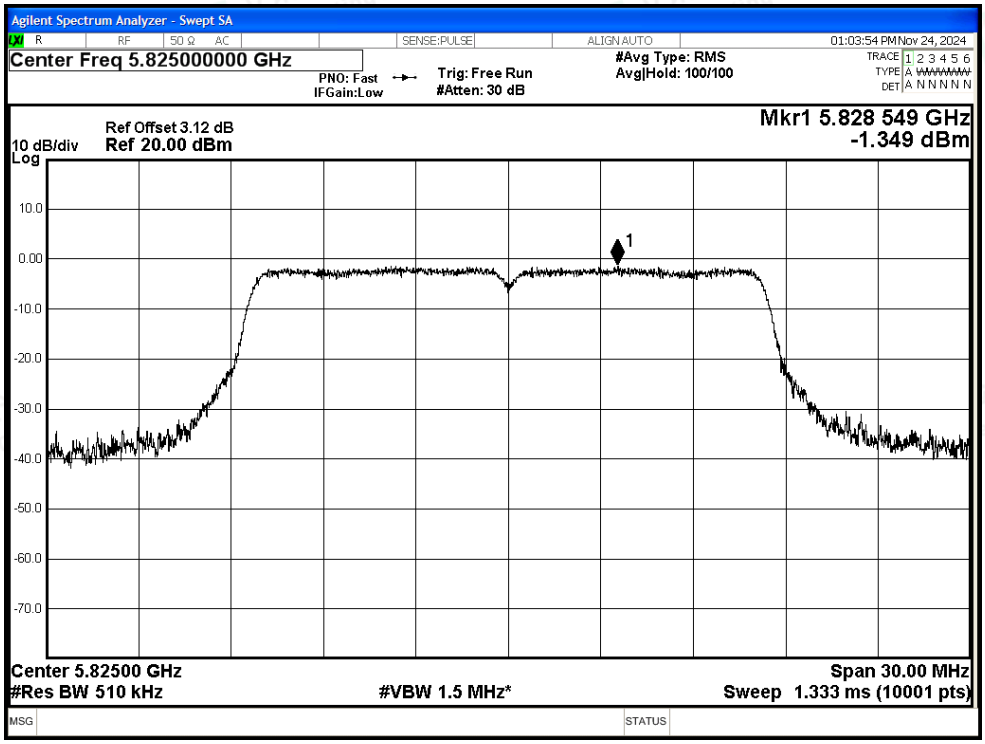
PSD NVNT a 5745MHz Ant7



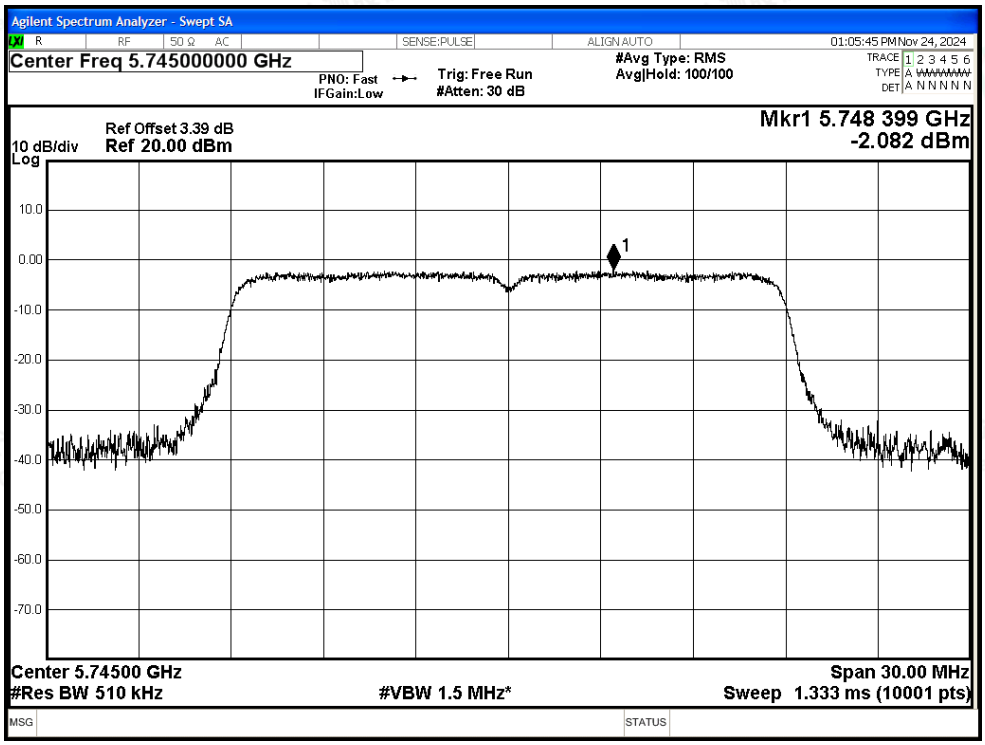
PSD NVNT a 5785MHz Ant7



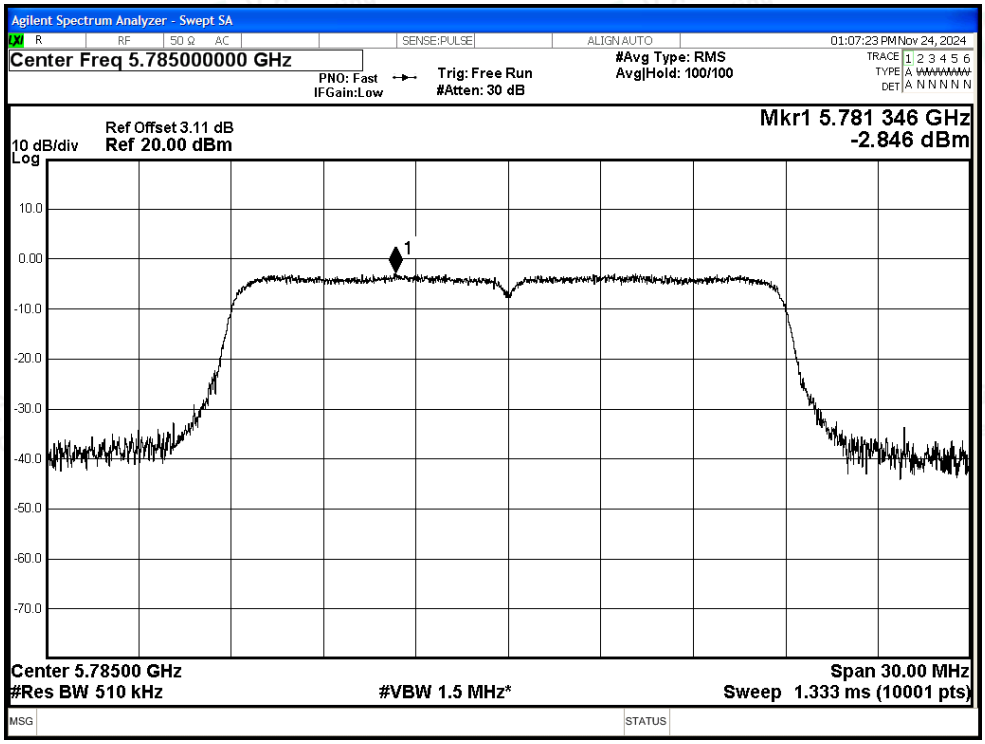
PSD NVNT a 5825MHz Ant7



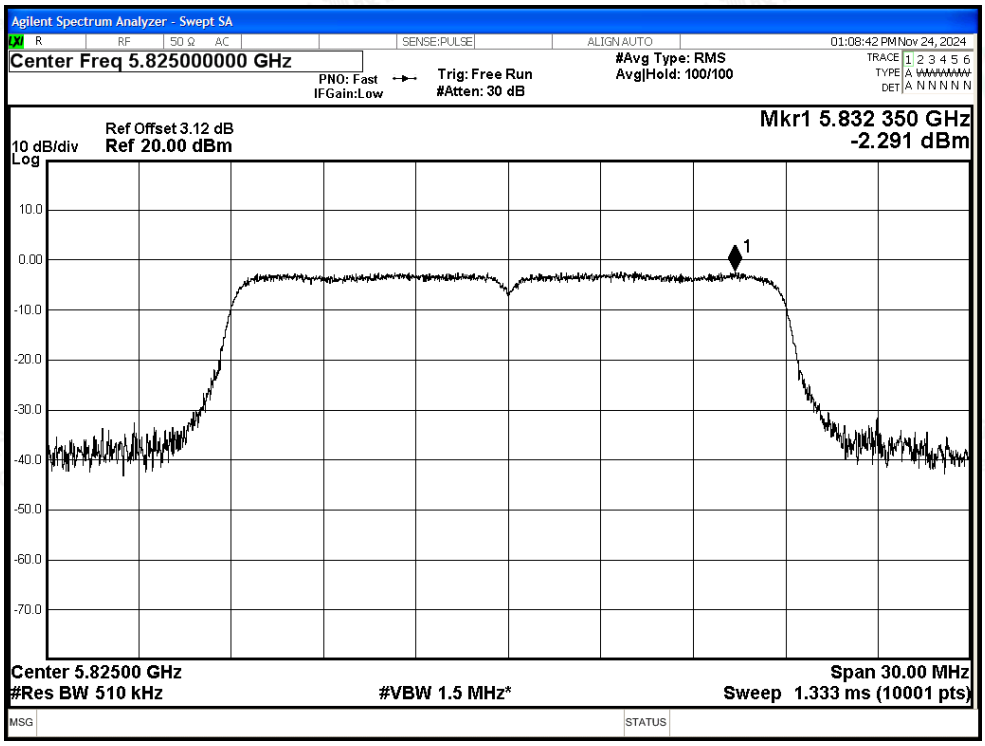
PSD NVNT n20 5745MHz Ant7



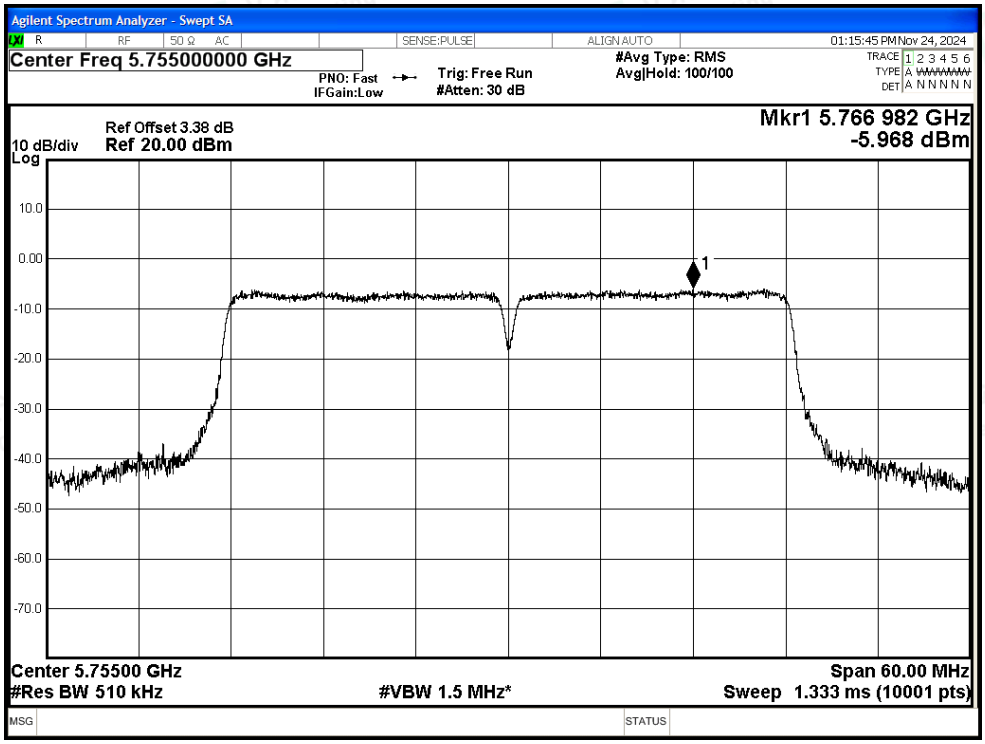
PSD NVNT n20 5785MHz Ant7



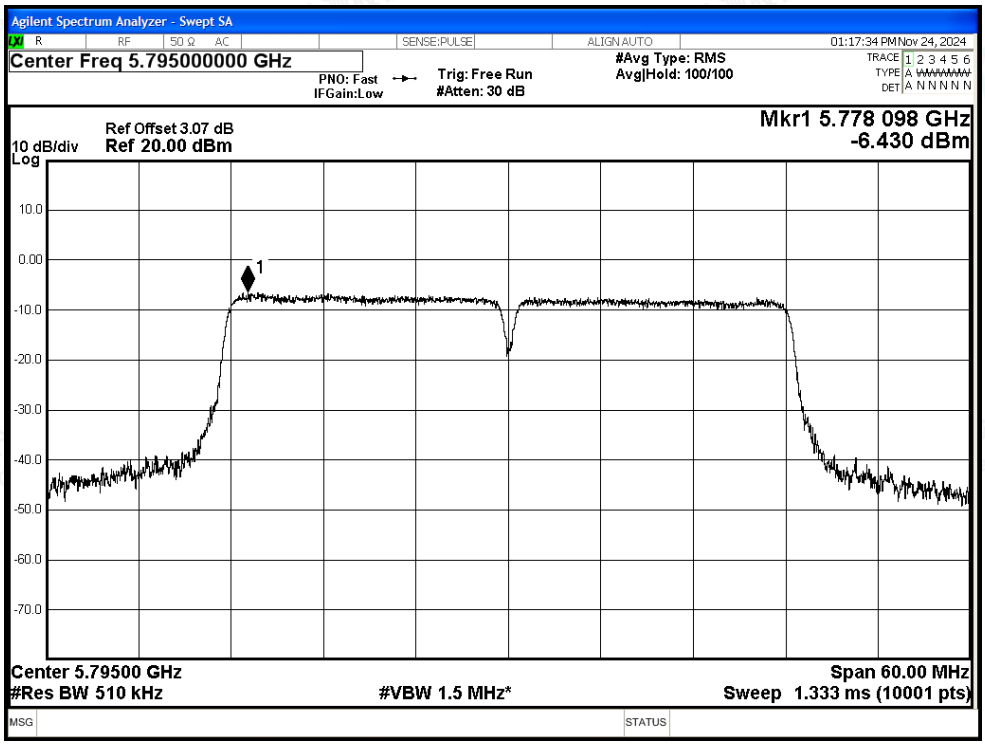
PSD NVNT n20 5825MHz Ant7



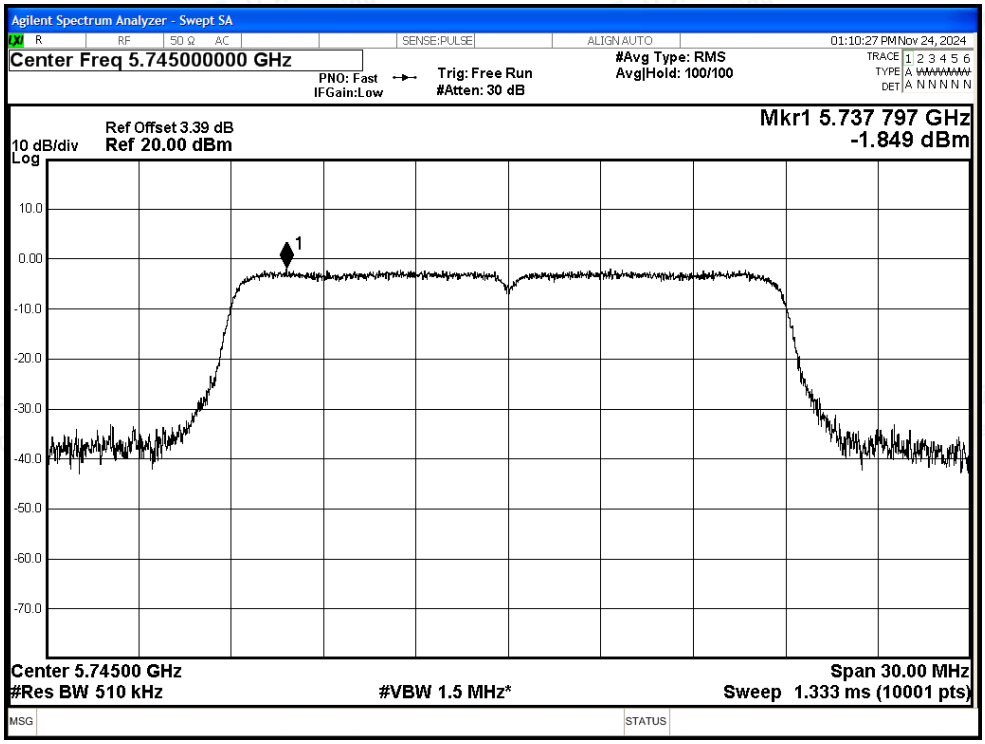
PSD NVNT n40 5755MHz Ant7



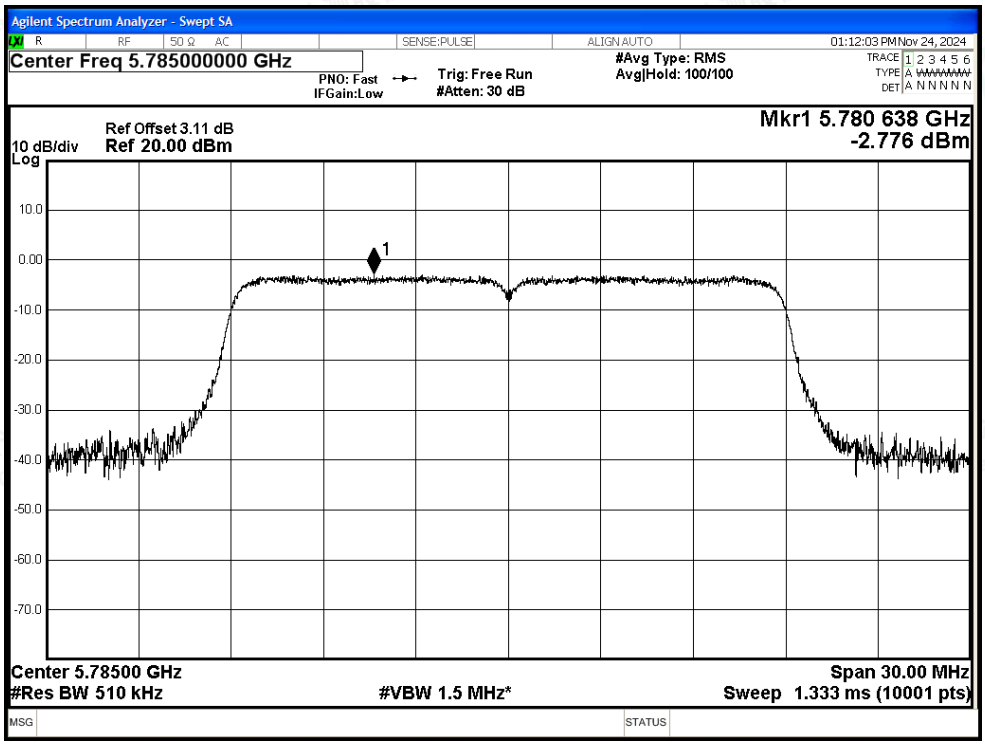
PSD NVNT n40 5795MHz Ant7



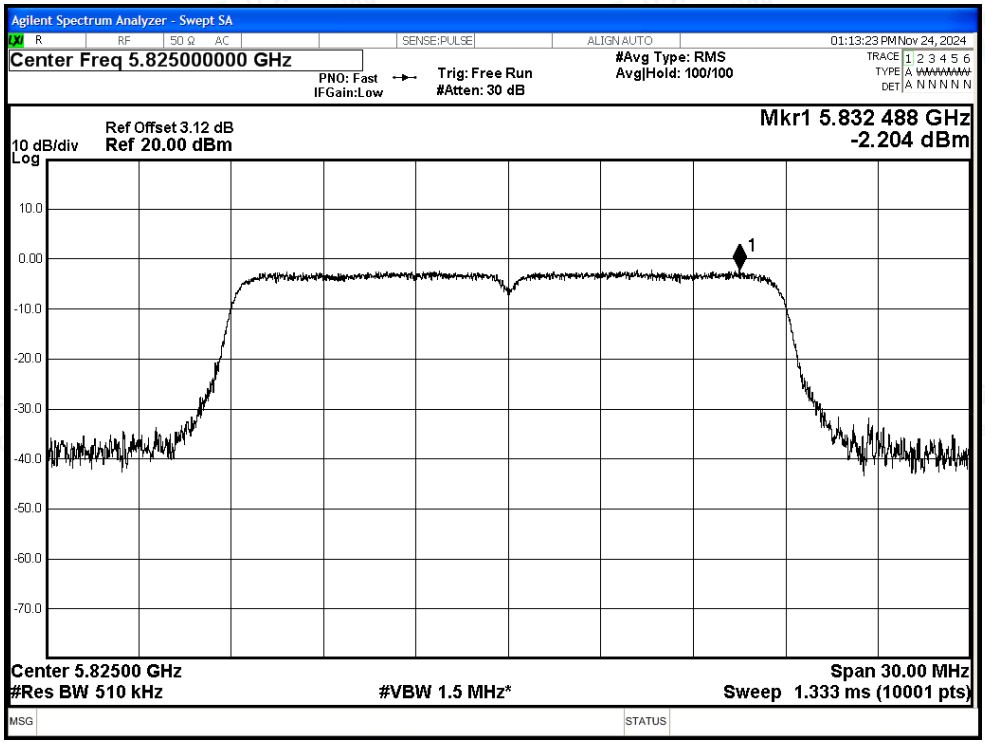
PSD NVNT ac20 5745MHz Ant7



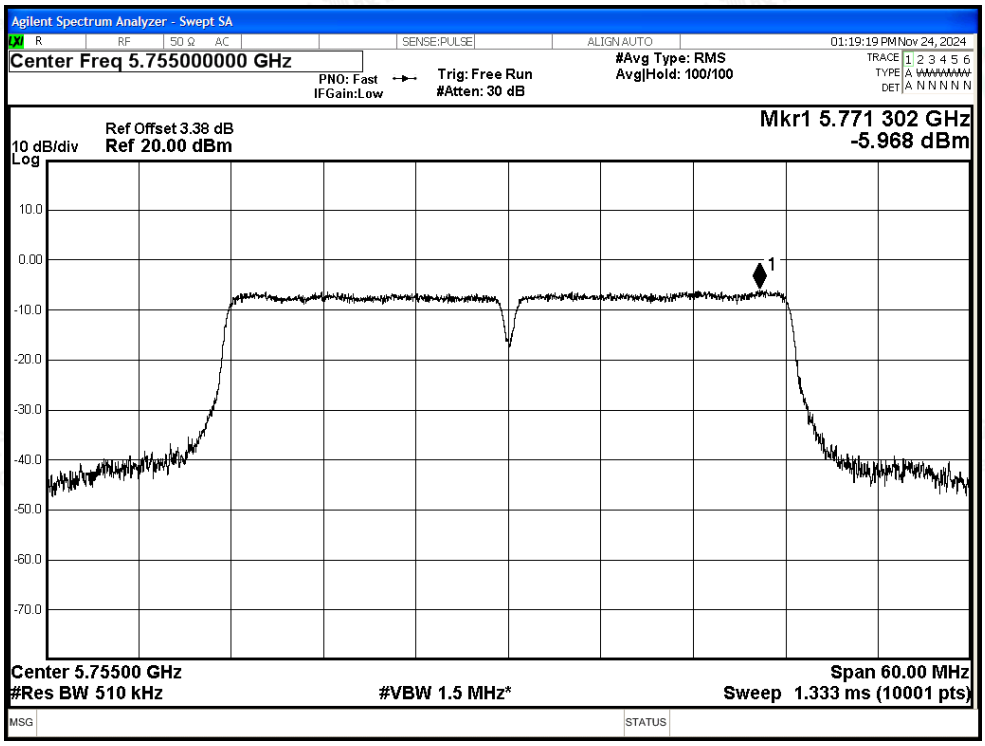
PSD NVNT ac20 5785MHz Ant7



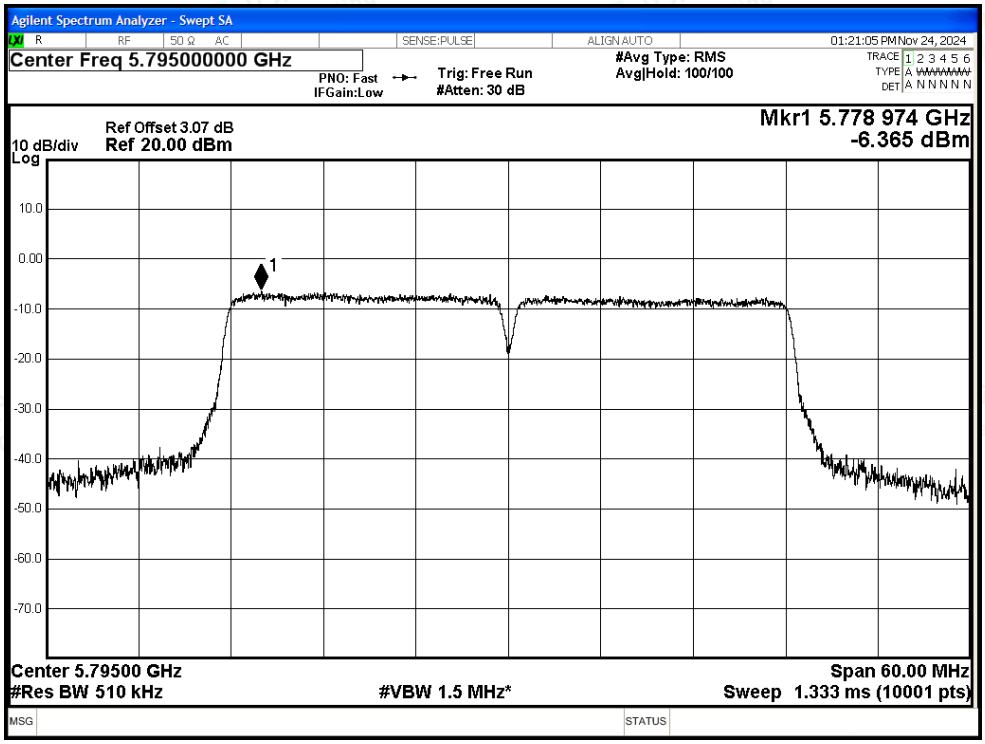
PSD NVNT ac20 5825MHz Ant7



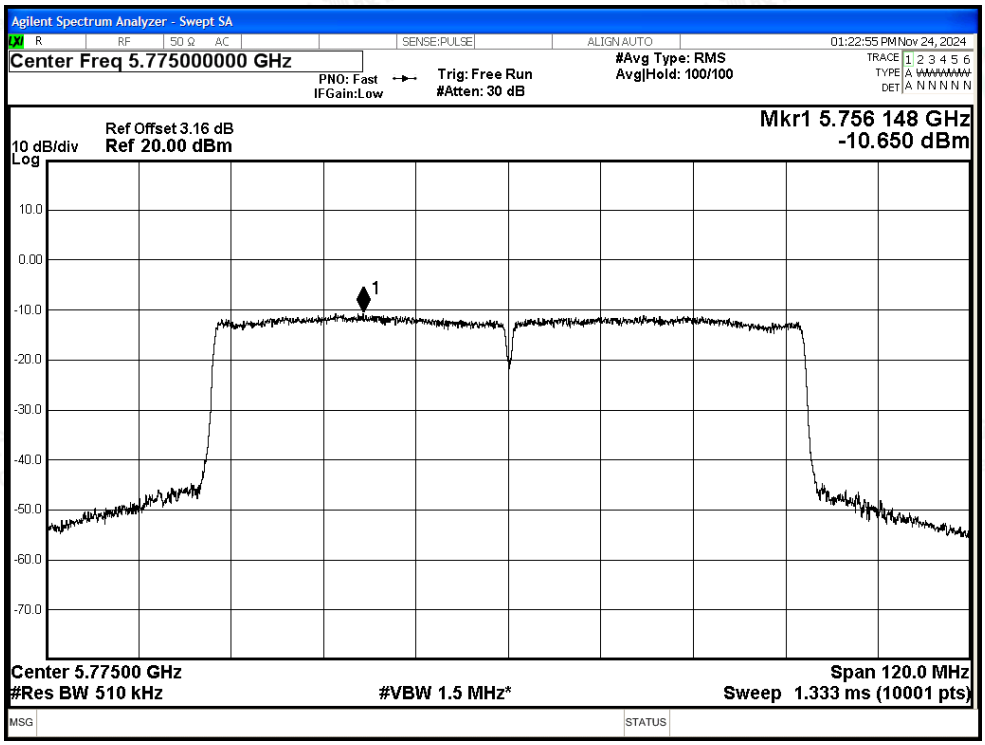
PSD NVNT ac40 5755MHz Ant7



PSD NVNT ac40 5795MHz Ant7



PSD NVNT ac80 5775MHz Ant7



E.4 Restrict Band

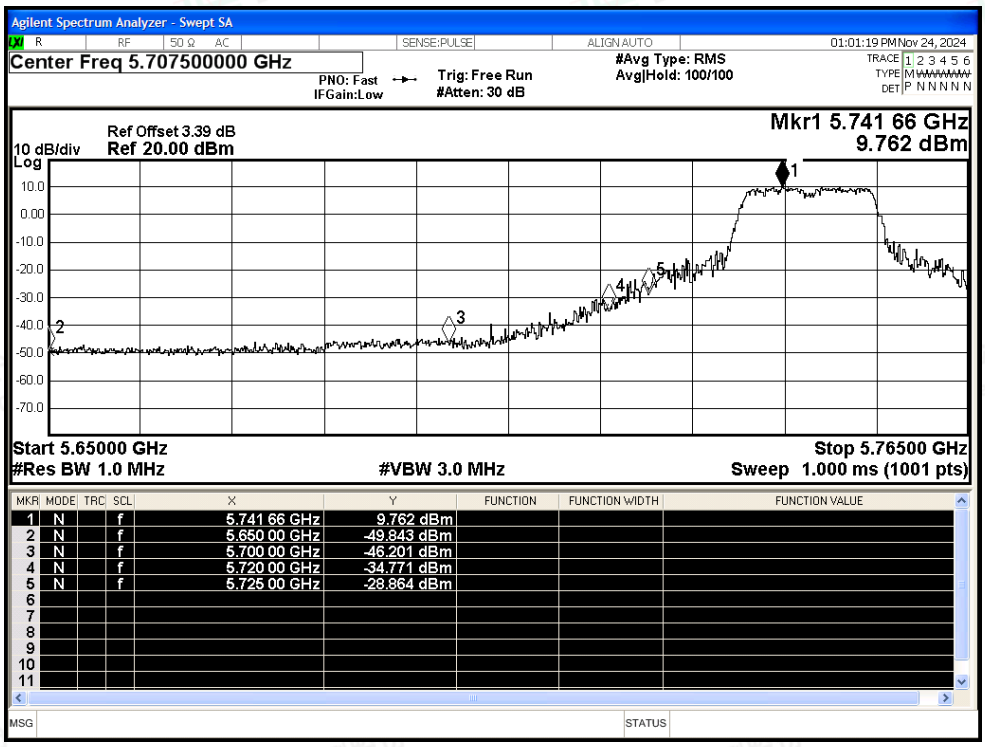
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	EIRP Power (dBm)	Detector	Limit (dBm)	Verdict
NVNT	a	5745	Ant7	5650	-49.84	2	-	-47.84	Peak	-27	Pass
NVNT	a	5745	Ant7	5650	-57.4	2	0.24	-55.16	Average	-27	Pass
NVNT	a	5745	Ant7	5700	-46.2	2	-	-44.2	Peak	10	Pass
NVNT	a	5745	Ant7	5700	-54.89	2	0.24	-52.65	Average	10	Pass
NVNT	a	5745	Ant7	5720	-34.77	2	-	-32.77	Peak	15.6	Pass
NVNT	a	5745	Ant7	5720	-45.99	2	0.24	-43.75	Average	15.6	Pass
NVNT	a	5745	Ant7	5725	-28.86	2	-	-26.86	Peak	27	Pass
NVNT	a	5745	Ant7	5725	-40.82	2	0.24	-38.58	Average	27	Pass
NVNT	a	5825	Ant7	5850	-32.76	2	-	-30.76	Peak	27	Pass
NVNT	a	5825	Ant7	5850	-50.48	2	0.24	-48.24	Average	27	Pass
NVNT	a	5825	Ant7	5855	-37.94	2	-	-35.94	Peak	15.6	Pass
NVNT	a	5825	Ant7	5855	-51.61	2	0.24	-49.37	Average	15.6	Pass
NVNT	a	5825	Ant7	5875	-47.72	2	-	-45.72	Peak	10	Pass
NVNT	a	5825	Ant7	5875	-55.8	2	0.24	-53.56	Average	10	Pass
NVNT	a	5825	Ant7	5925	-48.98	2	-	-46.98	Peak	-27	Pass
NVNT	a	5825	Ant7	5925	-56.4	2	0.24	-54.16	Average	-27	Pass
NVNT	n20	5745	Ant7	5650	-48.44	2	-	-46.44	Peak	-27	Pass
NVNT	n20	5745	Ant7	5650	-57.19	2	0.12	-55.07	Average	-27	Pass
NVNT	n20	5745	Ant7	5700	-47.7	2	-	-45.7	Peak	10	Pass
NVNT	n20	5745	Ant7	5700	-55.49	2	0.12	-53.37	Average	10	Pass
NVNT	n20	5745	Ant7	5720	-30.71	2	-	-28.71	Peak	15.6	Pass
NVNT	n20	5745	Ant7	5720	-45.27	2	0.12	-43.15	Average	15.6	Pass
NVNT	n20	5745	Ant7	5725	-22.65	2	-	-20.65	Peak	27	Pass
NVNT	n20	5745	Ant7	5725	-39.23	2	0.12	-37.11	Average	27	Pass
NVNT	n20	5825	Ant7	5850	-31.74	2	-	-29.74	Peak	27	Pass
NVNT	n20	5825	Ant7	5850	-46.05	2	0.12	-43.93	Average	27	Pass
NVNT	n20	5825	Ant7	5855	-36.27	2	-	-34.27	Peak	15.6	Pass
NVNT	n20	5825	Ant7	5855	-50.42	2	0.12	-48.3	Average	15.6	Pass
NVNT	n20	5825	Ant7	5875	-47.6	2	-	-45.6	Peak	10	Pass
NVNT	n20	5825	Ant7	5875	-55.64	2	0.12	-53.52	Average	10	Pass
NVNT	n20	5825	Ant7	5925	-48.29	2	-	-46.29	Peak	-27	Pass
NVNT	n20	5825	Ant7	5925	-56.56	2	0.12	-54.44	Average	-27	Pass
NVNT	n40	5755	Ant7	5650	-49.71	2	-	-47.71	Peak	-27	Pass
NVNT	n40	5755	Ant7	5650	-57.09	2	0.24	-54.85	Average	-27	Pass
NVNT	n40	5755	Ant7	5700	-46.07	2	-	-44.07	Peak	10	Pass
NVNT	n40	5755	Ant7	5700	-54.48	2	0.24	-52.24	Average	10	Pass

NVNT	n40	5755	Ant7	5720	-32.09	2	-	-30.09	Peak	15.6	Pass
NVNT	n40	5755	Ant7	5720	-42.09	2	0.24	-39.85	Average	15.6	Pass
NVNT	n40	5755	Ant7	5725	-23.21	2	-	-21.21	Peak	27	Pass
NVNT	n40	5755	Ant7	5725	-43.65	2	0.24	-41.41	Average	27	Pass
NVNT	n40	5795	Ant7	5850	-48.76	2	-	-46.76	Peak	27	Pass
NVNT	n40	5795	Ant7	5850	-56.55	2	0.24	-54.31	Average	27	Pass
NVNT	n40	5795	Ant7	5855	-47.55	2	-	-45.55	Peak	15.6	Pass
NVNT	n40	5795	Ant7	5855	-56.74	2	0.24	-54.5	Average	15.6	Pass
NVNT	n40	5795	Ant7	5875	-47.73	2	-	-45.73	Peak	10	Pass
NVNT	n40	5795	Ant7	5875	-57.91	2	0.24	-55.67	Average	10	Pass
NVNT	n40	5795	Ant7	5925	-49.14	2	-	-47.14	Peak	-27	Pass
NVNT	n40	5795	Ant7	5925	-57.69	2	0.24	-55.45	Average	-27	Pass
NVNT	ac20	5745	Ant7	5650	-48.88	2	-	-46.88	Peak	-27	Pass
NVNT	ac20	5745	Ant7	5650	-56.87	2	0.12	-54.75	Average	-27	Pass
NVNT	ac20	5745	Ant7	5700	-46.31	2	-	-44.31	Peak	10	Pass
NVNT	ac20	5745	Ant7	5700	-55.17	2	0.12	-53.05	Average	10	Pass
NVNT	ac20	5745	Ant7	5720	-30.87	2	-	-28.87	Peak	15.6	Pass
NVNT	ac20	5745	Ant7	5720	-44.7	2	0.12	-42.58	Average	15.6	Pass
NVNT	ac20	5745	Ant7	5725	-26.33	2	-	-24.33	Peak	27	Pass
NVNT	ac20	5745	Ant7	5725	-38.81	2	0.12	-36.69	Average	27	Pass
NVNT	ac20	5825	Ant7	5850	-29.15	2	-	-27.15	Peak	27	Pass
NVNT	ac20	5825	Ant7	5850	-44.84	2	0.12	-42.72	Average	27	Pass
NVNT	ac20	5825	Ant7	5855	-35.53	2	-	-33.53	Peak	15.6	Pass
NVNT	ac20	5825	Ant7	5855	-49.93	2	0.12	-47.81	Average	15.6	Pass
NVNT	ac20	5825	Ant7	5875	-47.82	2	-	-45.82	Peak	10	Pass
NVNT	ac20	5825	Ant7	5875	-55.34	2	0.12	-53.22	Average	10	Pass
NVNT	ac20	5825	Ant7	5925	-47.71	2	-	-45.71	Peak	-27	Pass
NVNT	ac20	5825	Ant7	5925	-56.64	2	0.12	-54.52	Average	-27	Pass
NVNT	ac40	5755	Ant7	5650	-48.44	2	-	-46.44	Peak	-27	Pass
NVNT	ac40	5755	Ant7	5650	-56.82	2	0.24	-54.58	Average	-27	Pass
NVNT	ac40	5755	Ant7	5700	-46.64	2	-	-44.64	Peak	10	Pass
NVNT	ac40	5755	Ant7	5700	-54.74	2	0.24	-52.5	Average	10	Pass
NVNT	ac40	5755	Ant7	5720	-28.9	2	-	-26.9	Peak	15.6	Pass
NVNT	ac40	5755	Ant7	5720	-44.11	2	0.24	-41.87	Average	15.6	Pass
NVNT	ac40	5755	Ant7	5725	-24.28	2	-	-22.28	Peak	27	Pass
NVNT	ac40	5755	Ant7	5725	-43.17	2	0.24	-40.93	Average	27	Pass
NVNT	ac40	5795	Ant7	5850	-49.3	2	-	-47.3	Peak	27	Pass
NVNT	ac40	5795	Ant7	5850	-56.12	2	0.24	-53.88	Average	27	Pass
NVNT	ac40	5795	Ant7	5855	-47.88	2	-	-45.88	Peak	15.6	Pass
NVNT	ac40	5795	Ant7	5855	-56.49	2	0.24	-54.25	Average	15.6	Pass
NVNT	ac40	5795	Ant7	5875	-49.62	2	-	-47.62	Peak	10	Pass

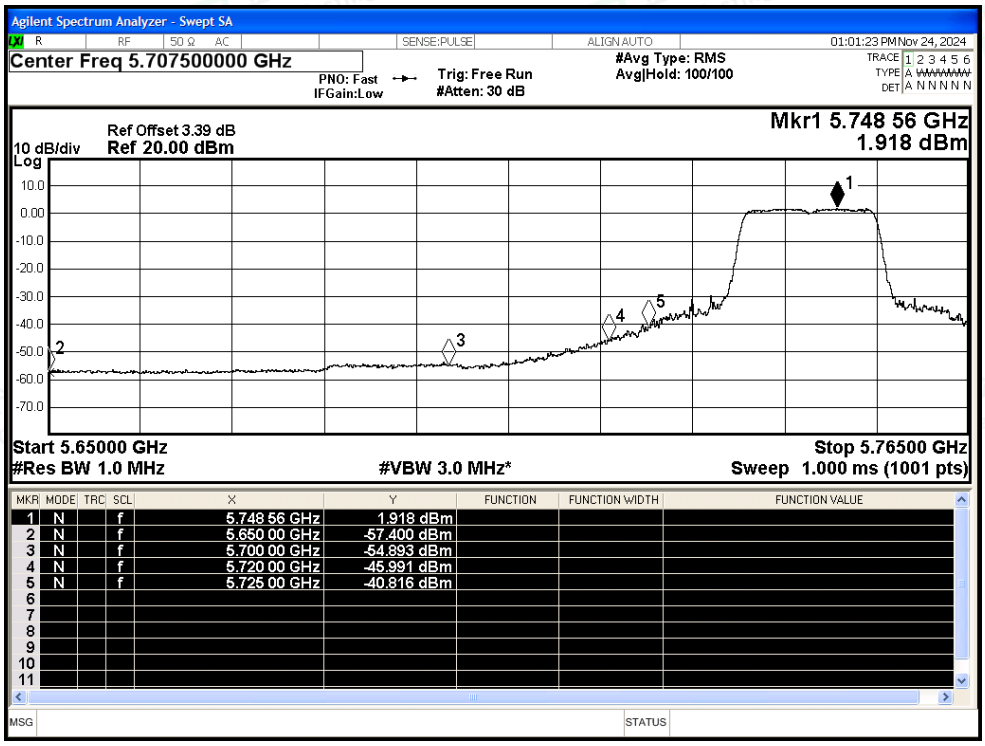
NVNT	ac40	5795	Ant7	5875	-57.94	2	0.24	-55.7	Average	10	Pass
NVNT	ac40	5795	Ant7	5925	-49.54	2	-	-47.54	Peak	-27	Pass
NVNT	ac40	5795	Ant7	5925	-58.08	2	0.24	-55.84	Average	-27	Pass
NVNT	ac80	5775	Ant7	5650	-49.22	2	-	-47.22	Peak	-27	Pass
NVNT	ac80	5775	Ant7	5650	-56.81	2	0.25	-54.56	Average	-27	Pass
NVNT	ac80	5775	Ant7	5700	-44.38	2	-	-42.38	Peak	10	Pass
NVNT	ac80	5775	Ant7	5700	-52.72	2	0.25	-50.47	Average	10	Pass
NVNT	ac80	5775	Ant7	5720	-39.95	2	-	-37.95	Peak	15.6	Pass
NVNT	ac80	5775	Ant7	5720	-48.76	2	0.25	-46.51	Average	15.6	Pass
NVNT	ac80	5775	Ant7	5725	-35.15	2	-	-33.15	Peak	27	Pass
NVNT	ac80	5775	Ant7	5725	-47.11	2	0.25	-44.86	Average	27	Pass
NVNT	ac80	5775	Ant7	5850	-45.13	2	-	-43.13	Peak	27	Pass
NVNT	ac80	5775	Ant7	5850	-53.52	2	0.25	-51.27	Average	27	Pass
NVNT	ac80	5775	Ant7	5855	-43.74	2	-	-41.74	Peak	15.6	Pass
NVNT	ac80	5775	Ant7	5855	-54.04	2	0.25	-51.79	Average	15.6	Pass
NVNT	ac80	5775	Ant7	5875	-47.89	2	-	-45.89	Peak	10	Pass
NVNT	ac80	5775	Ant7	5875	-56.39	2	0.25	-54.14	Average	10	Pass
NVNT	ac80	5775	Ant7	5925	-48.99	2	-	-46.99	Peak	-27	Pass
NVNT	ac80	5775	Ant7	5925	-57.17	2	0.25	-54.92	Average	-27	Pass

Test Graphs

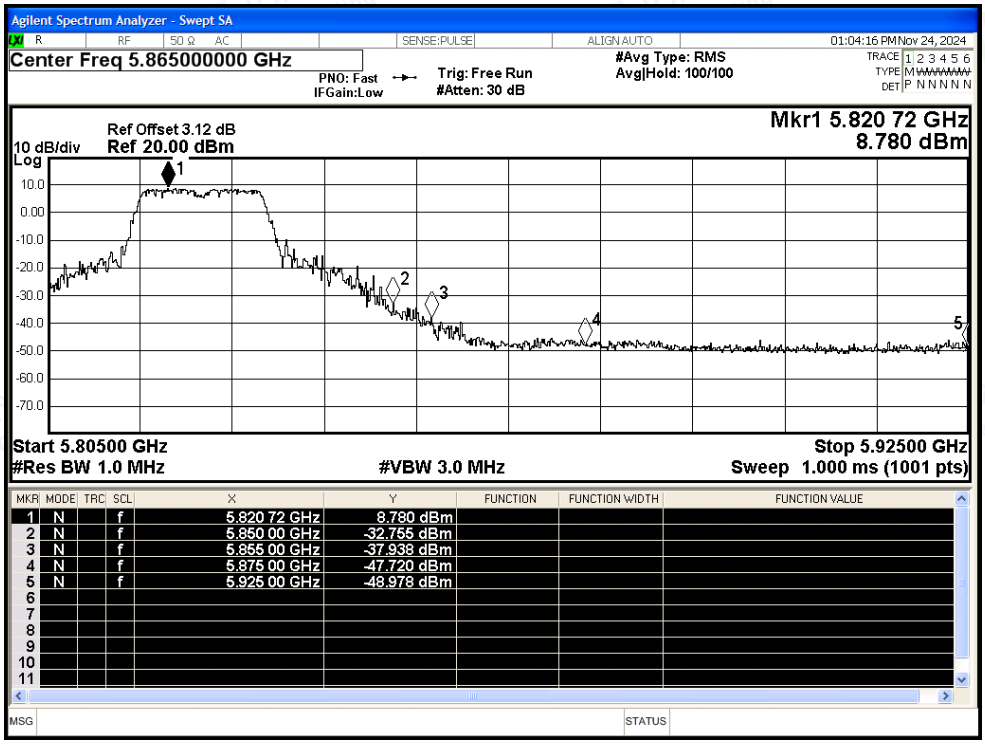
Restrict Band NVNT a 5745MHz Ant7 Peak



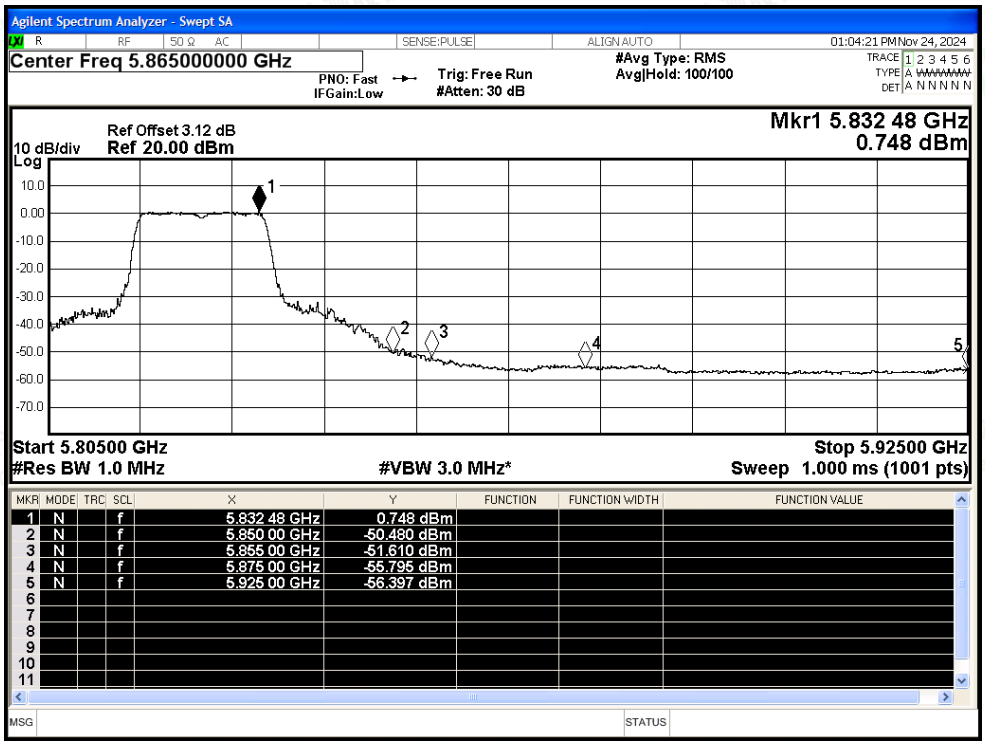
Restrict Band NVNT a 5745MHz Ant7 Average



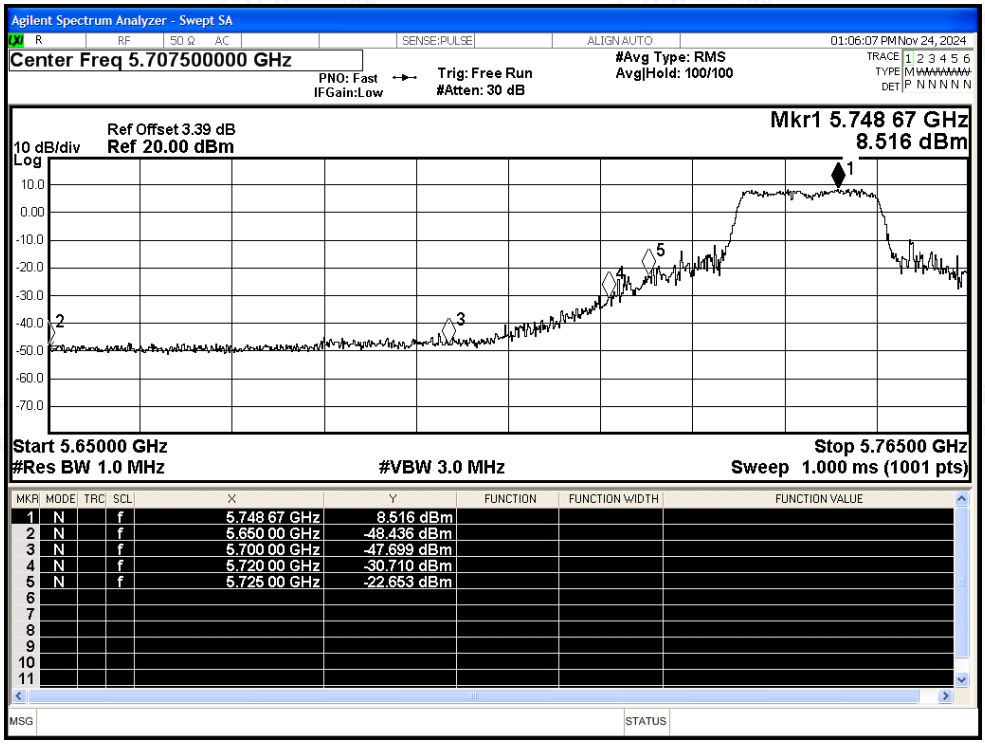
Restrict Band NVNT a 5825MHz Ant7 Peak



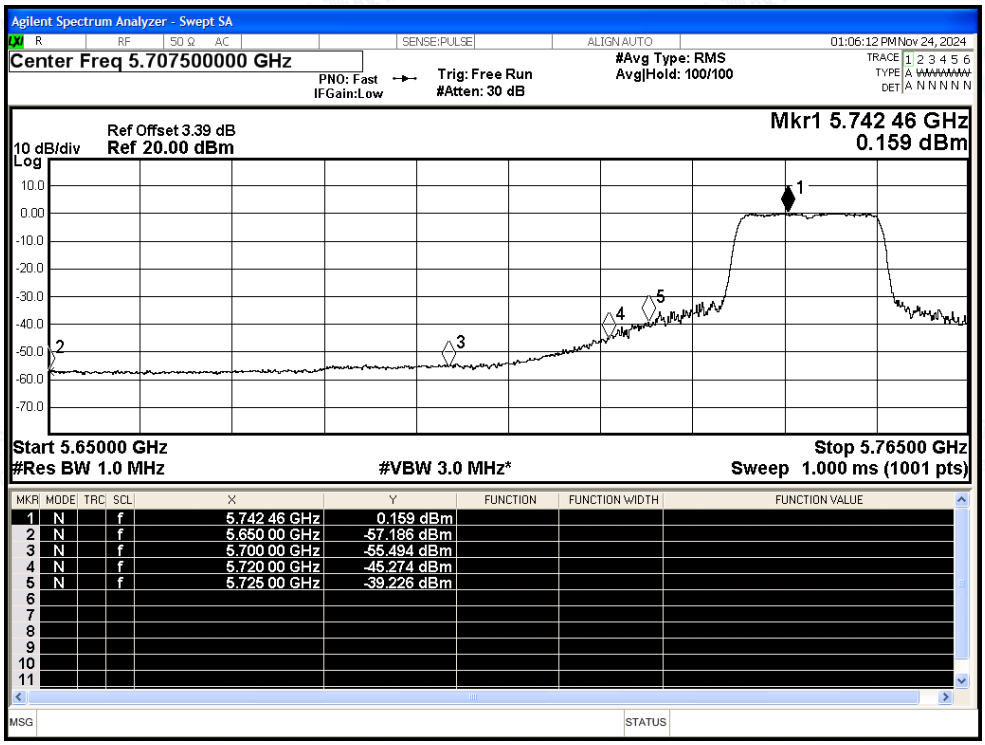
Restrict Band NVNT a 5825MHz Ant7 Average



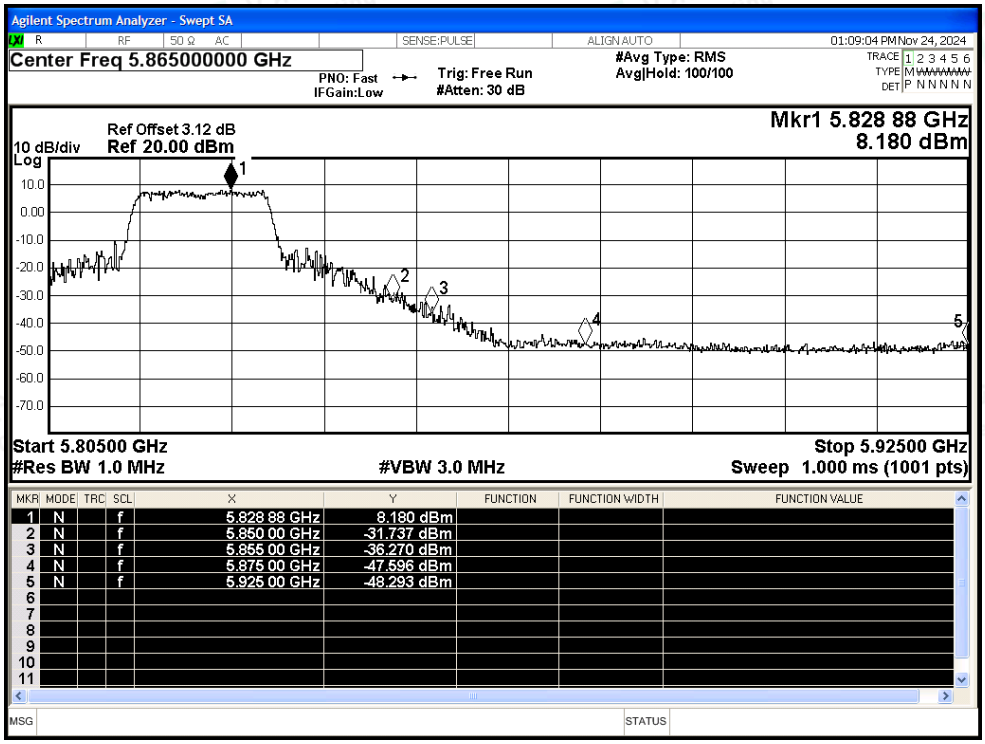
Restrict Band NVNT n20 5745MHz Ant7 Peak



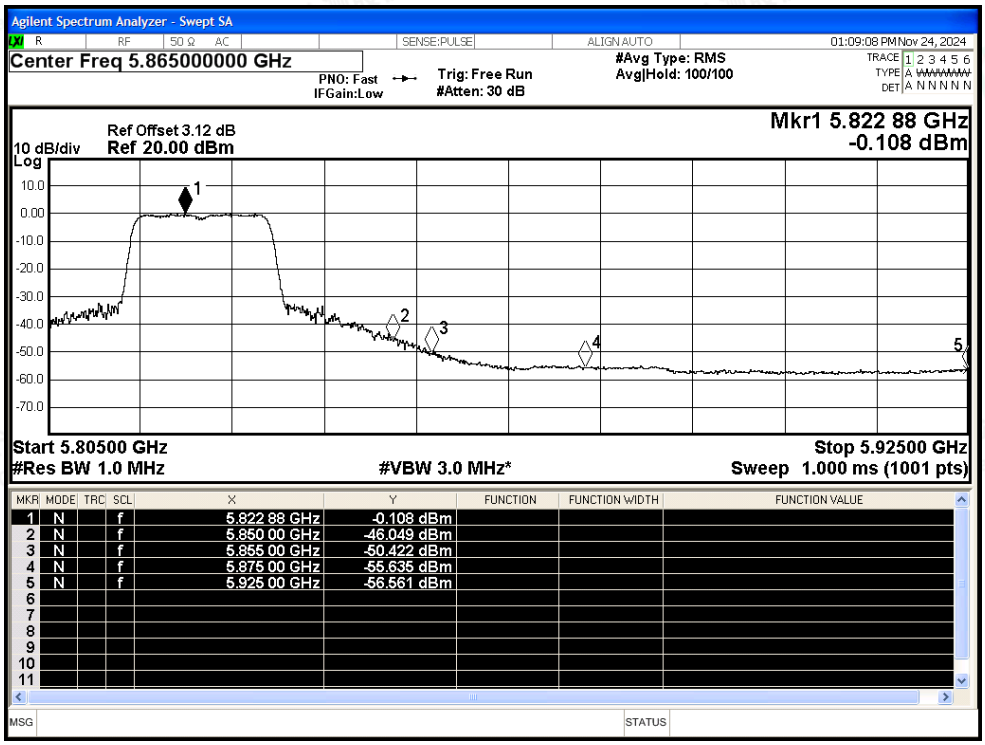
Restrict Band NVNT n20 5745MHz Ant7 Average



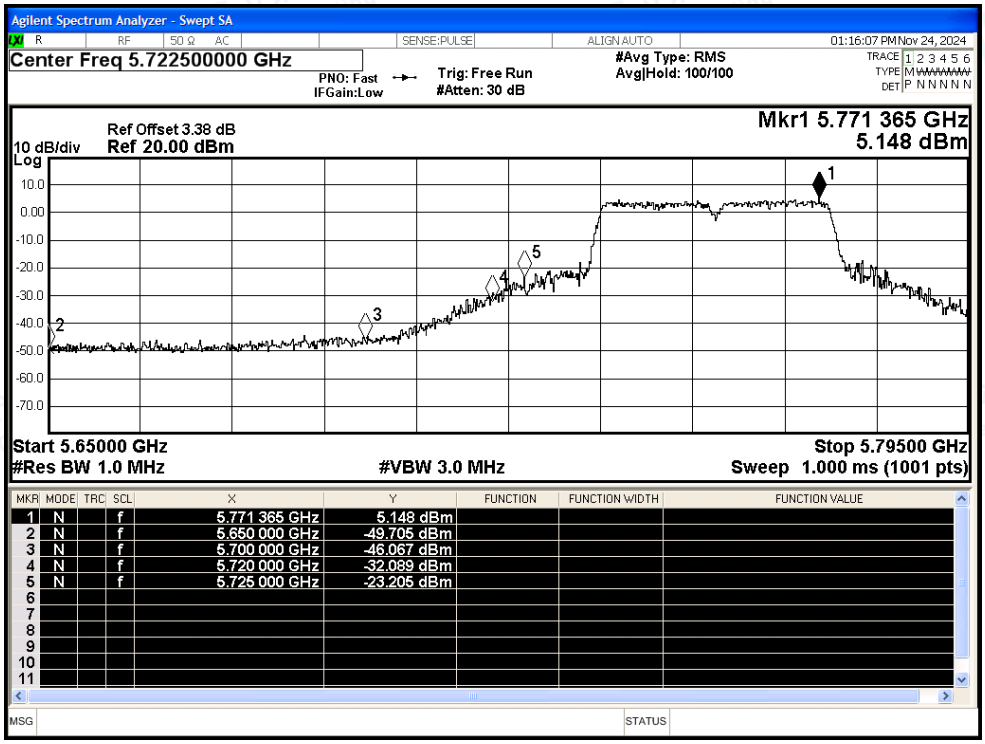
Restrict Band NVNT n20 5825MHz Ant7 Peak



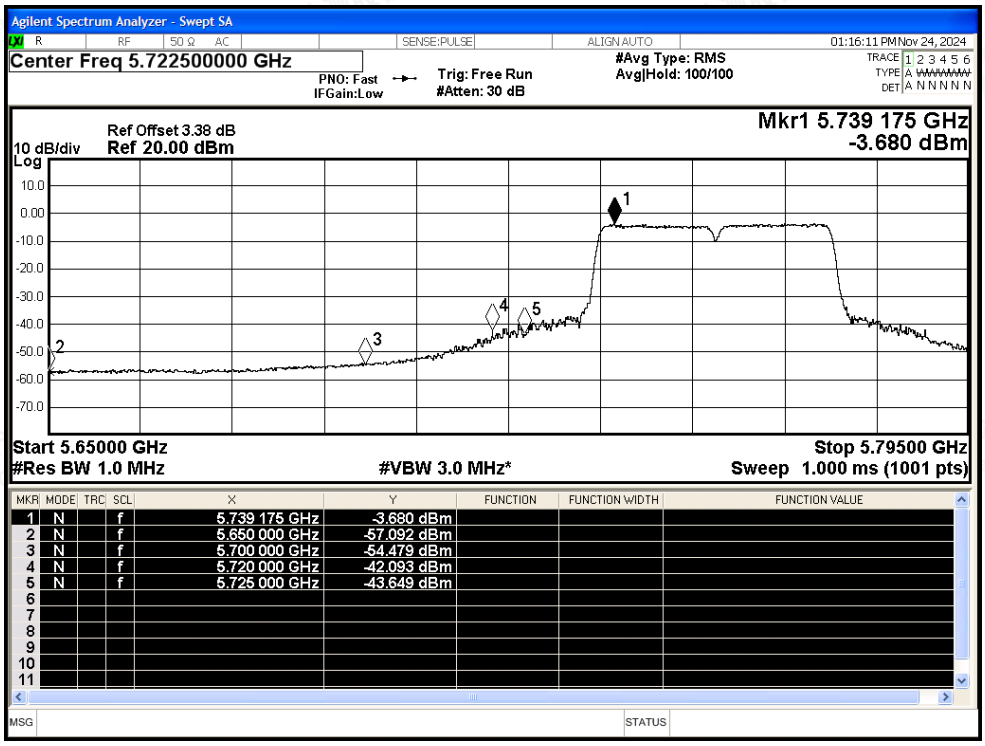
Restrict Band NVNT n20 5825MHz Ant7 Average



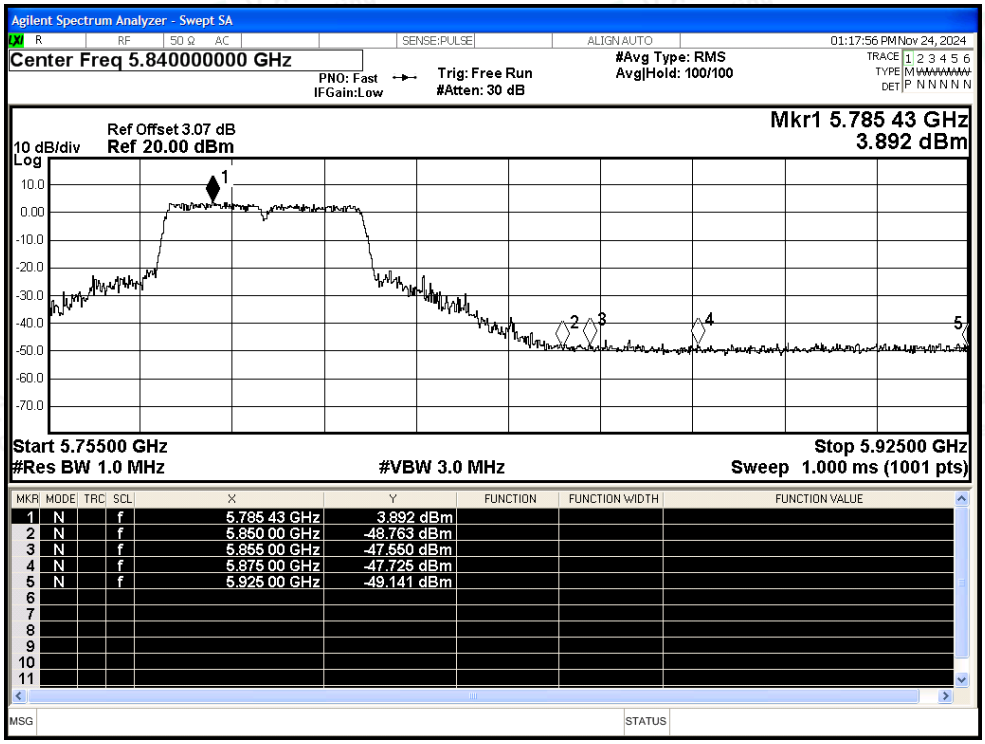
Restrict Band NVNT n40 5755MHz Ant7 Peak



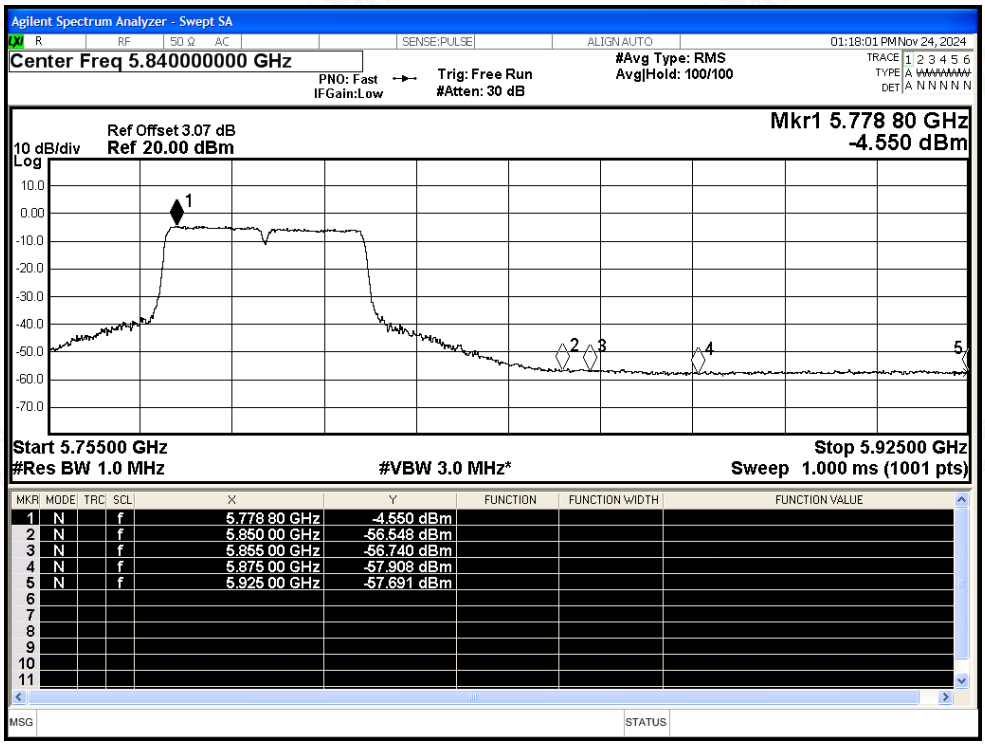
Restrict Band NVNT n40 5755MHz Ant7 Average



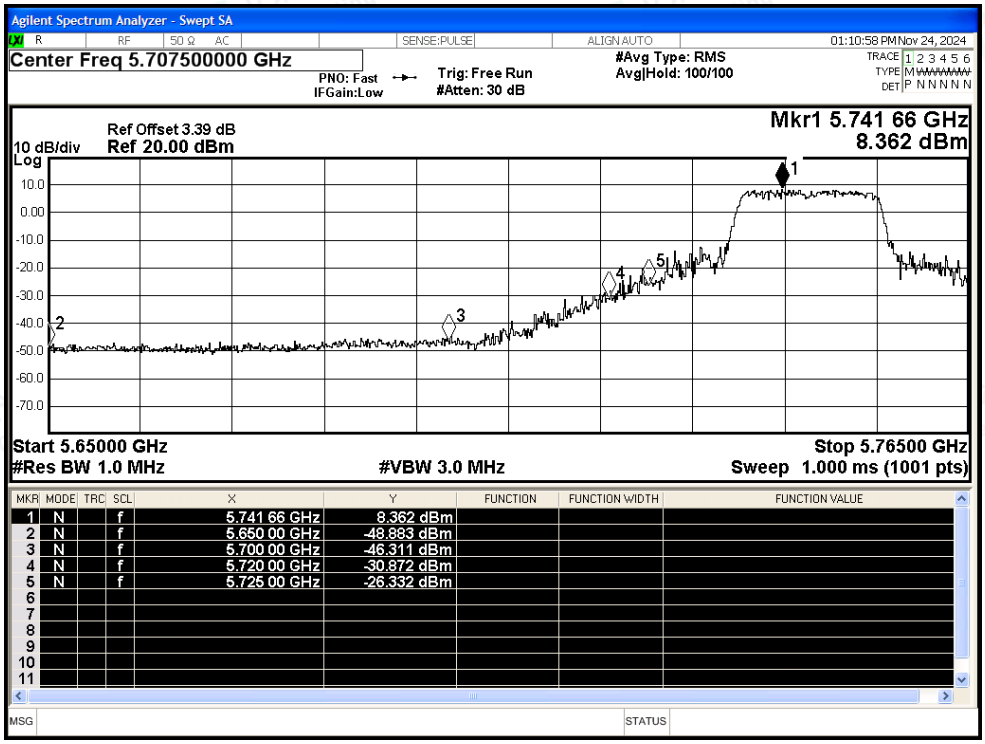
Restrict Band NVNT n40 5795MHz Ant7 Peak



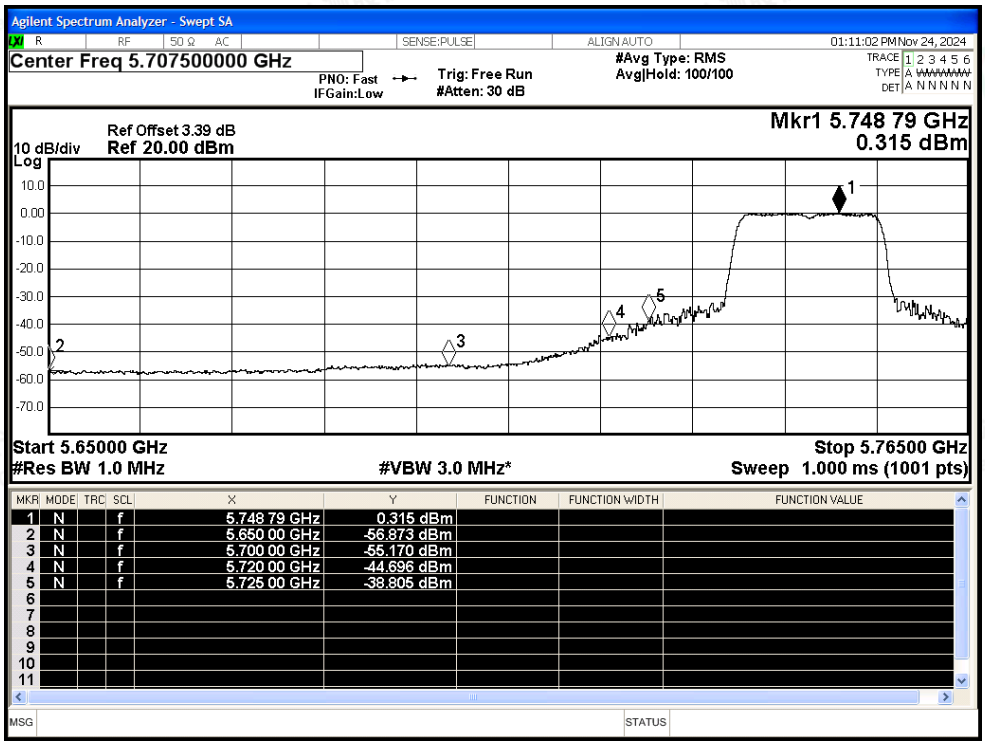
Restrict Band NVNT n40 5795MHz Ant7 Average



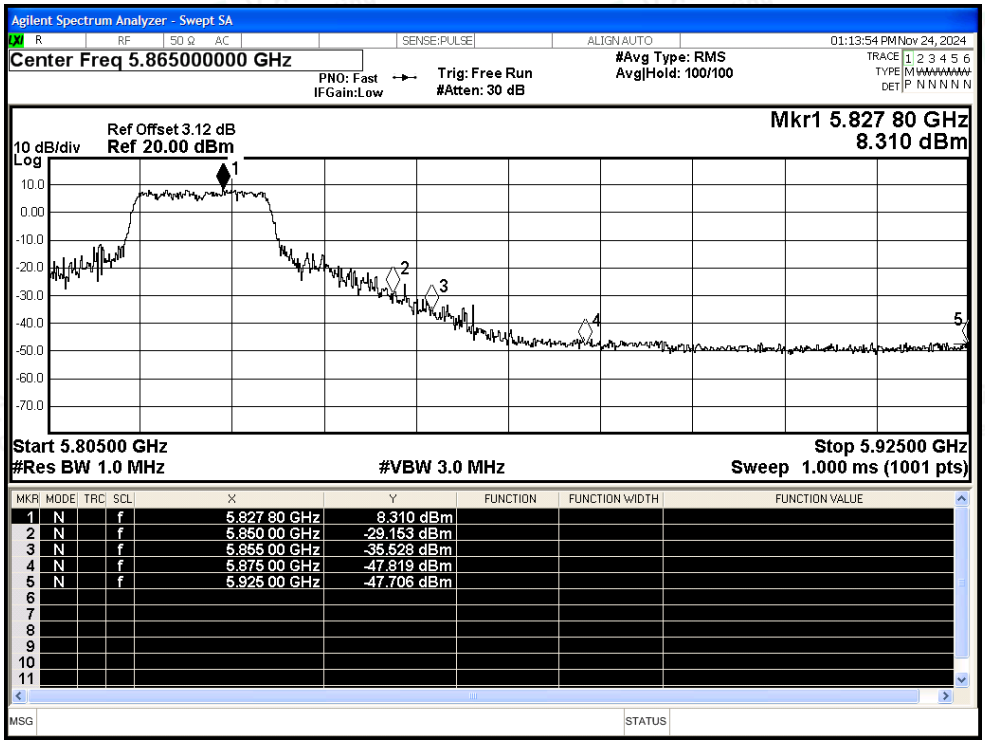
Restrict Band NVNT ac20 5745MHz Ant7 Peak



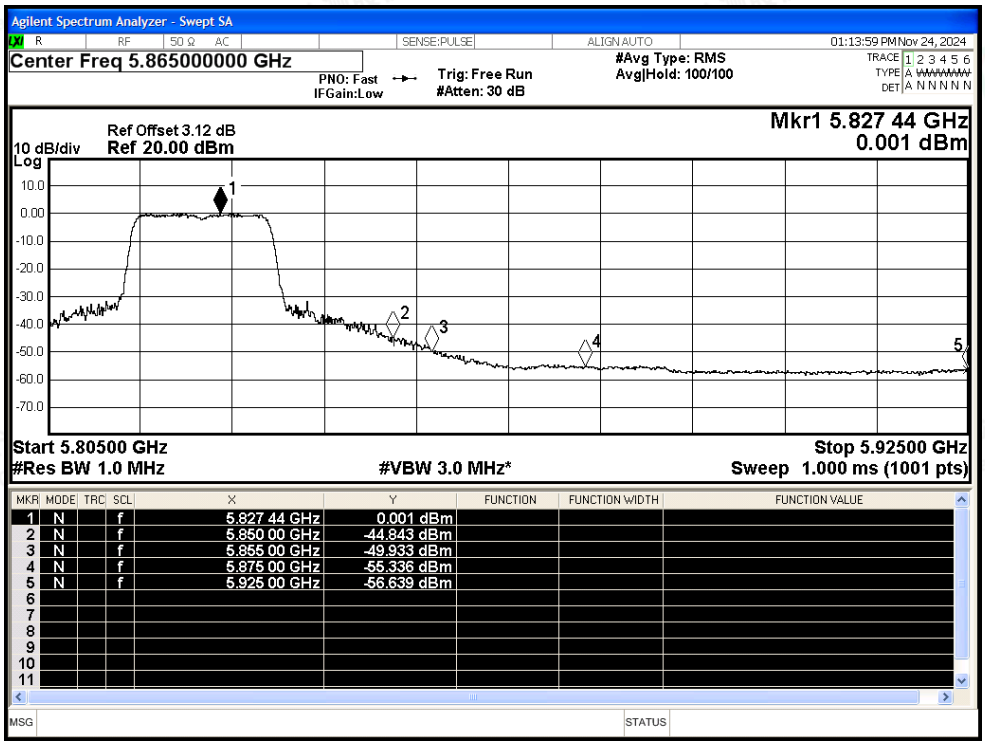
Restrict Band NVNT ac20 5745MHz Ant7 Average



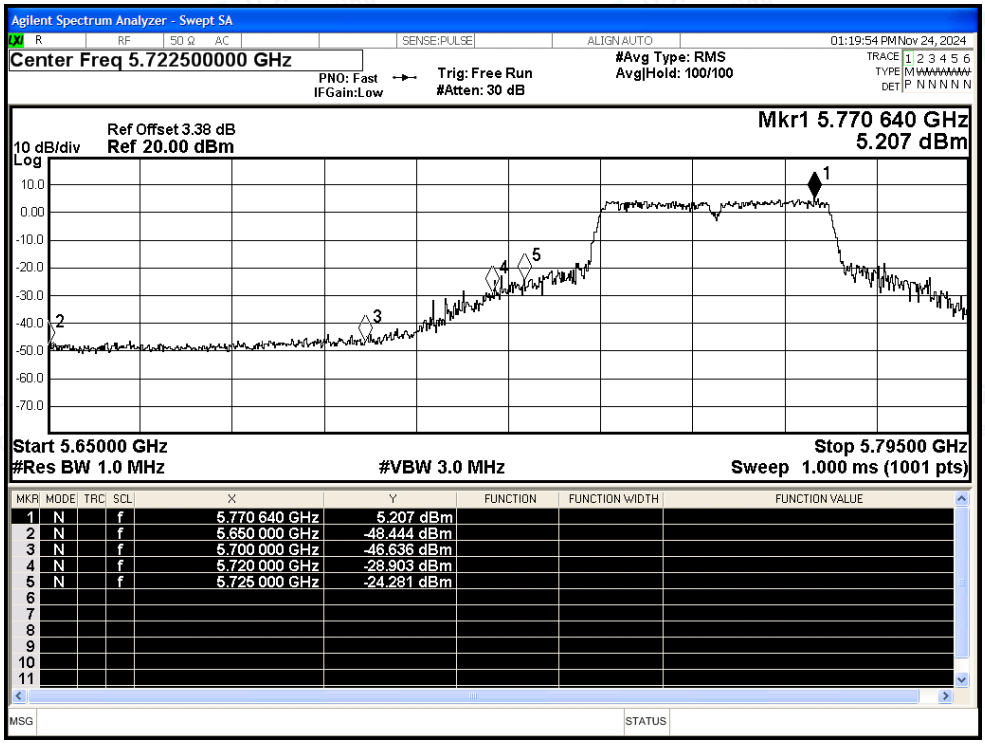
Restrict Band NVNT ac20 5825MHz Ant7 Peak



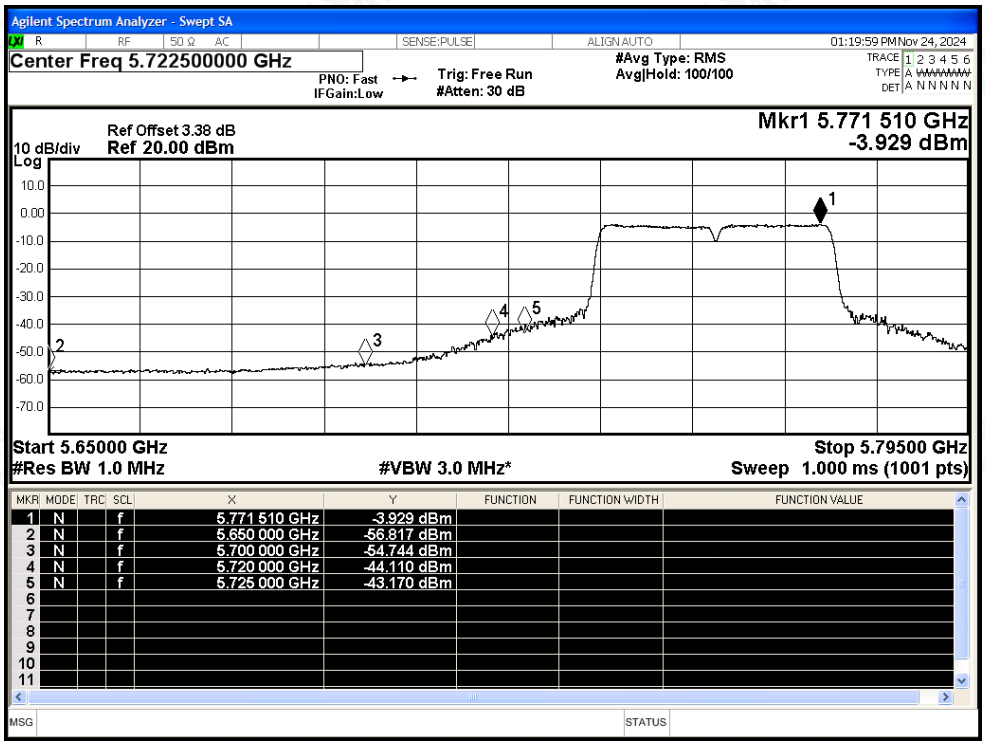
Restrict Band NVNT ac20 5825MHz Ant7 Average



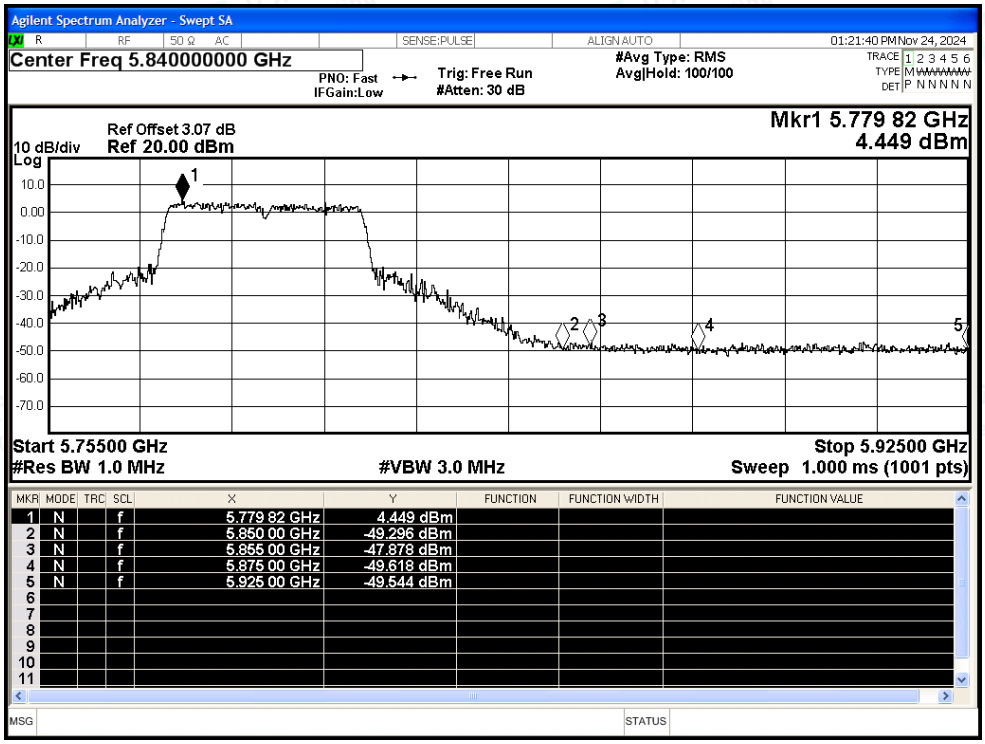
Restrict Band NVNT ac40 5755MHz Ant7 Peak



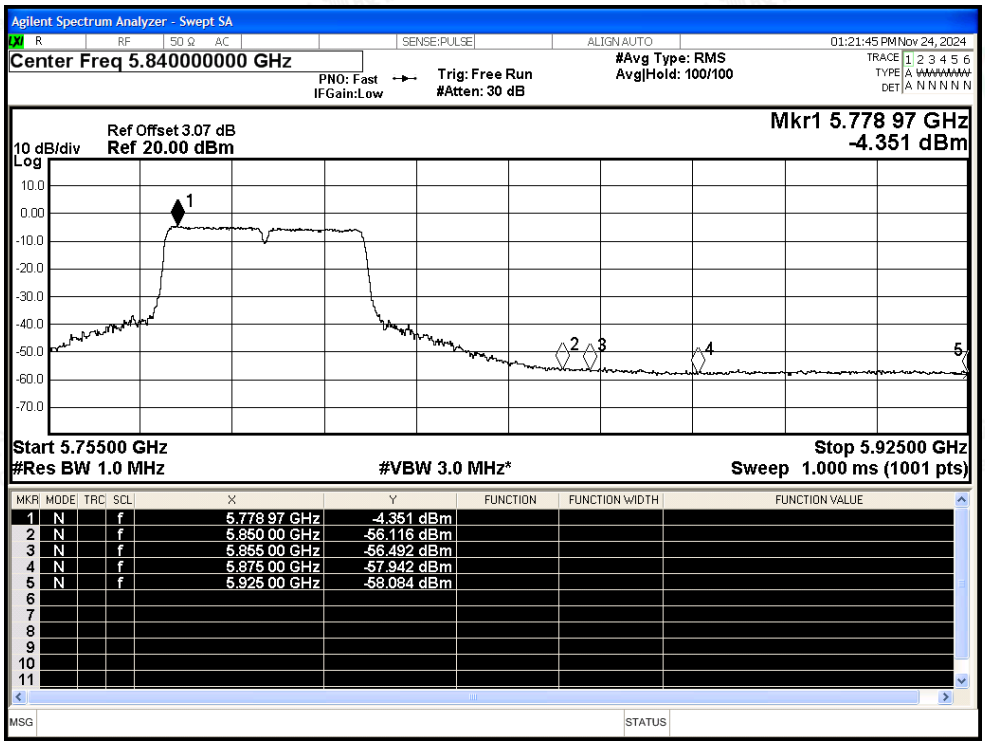
Restrict Band NVNT ac40 5755MHz Ant7 Average



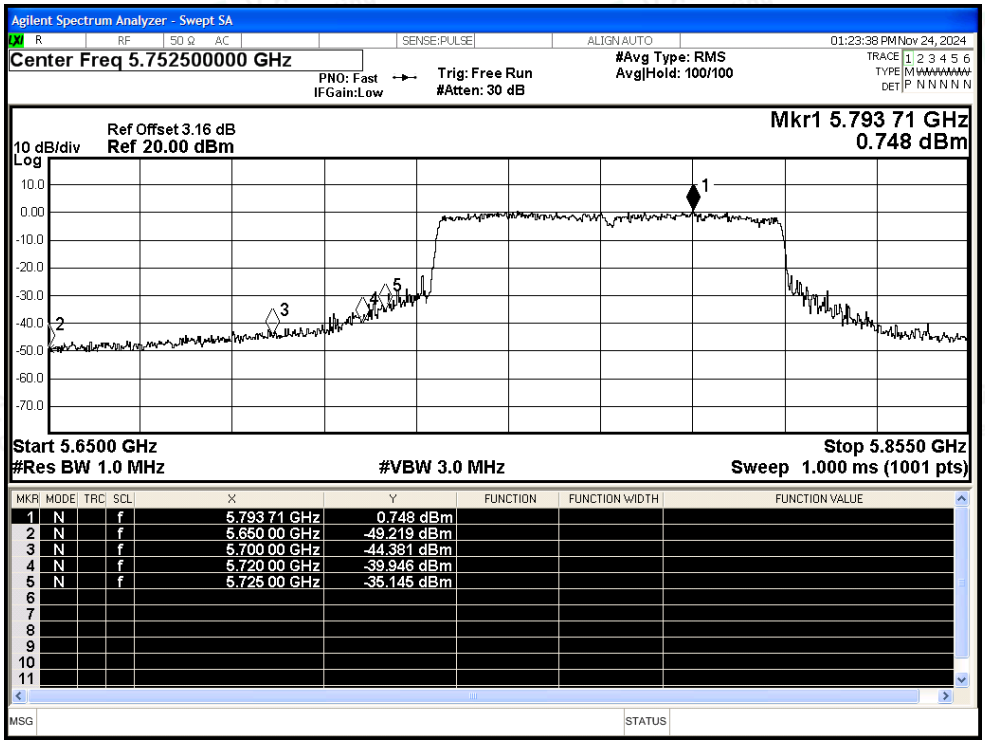
Restrict Band NVNT ac40 5795MHz Ant7 Peak



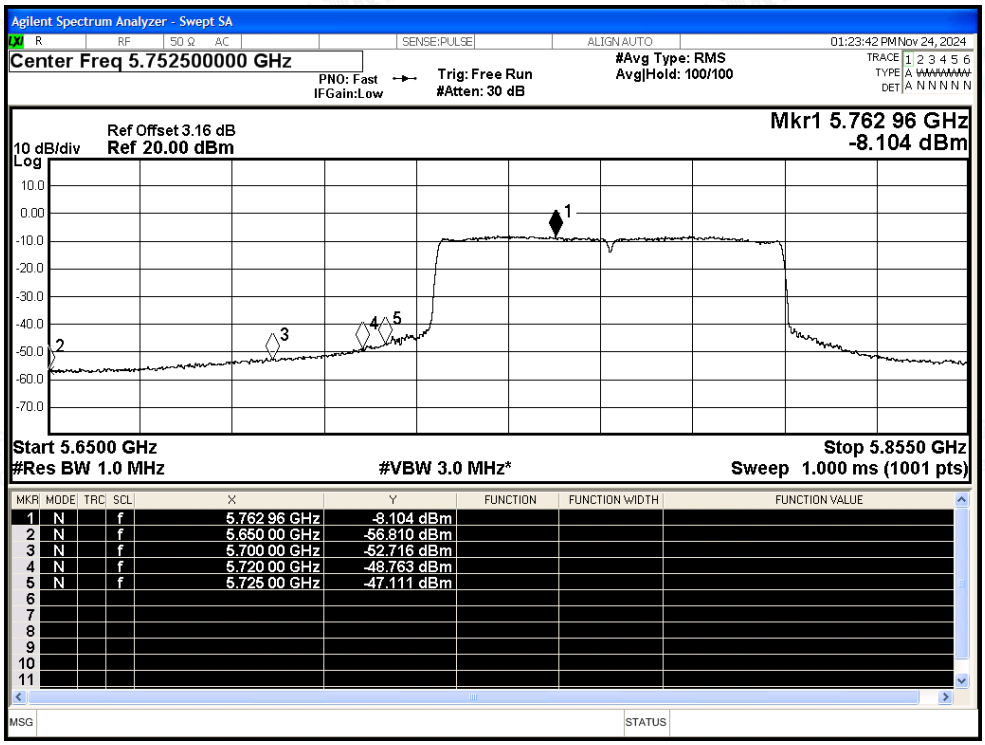
Restrict Band NVNT ac40 5795MHz Ant7 Average



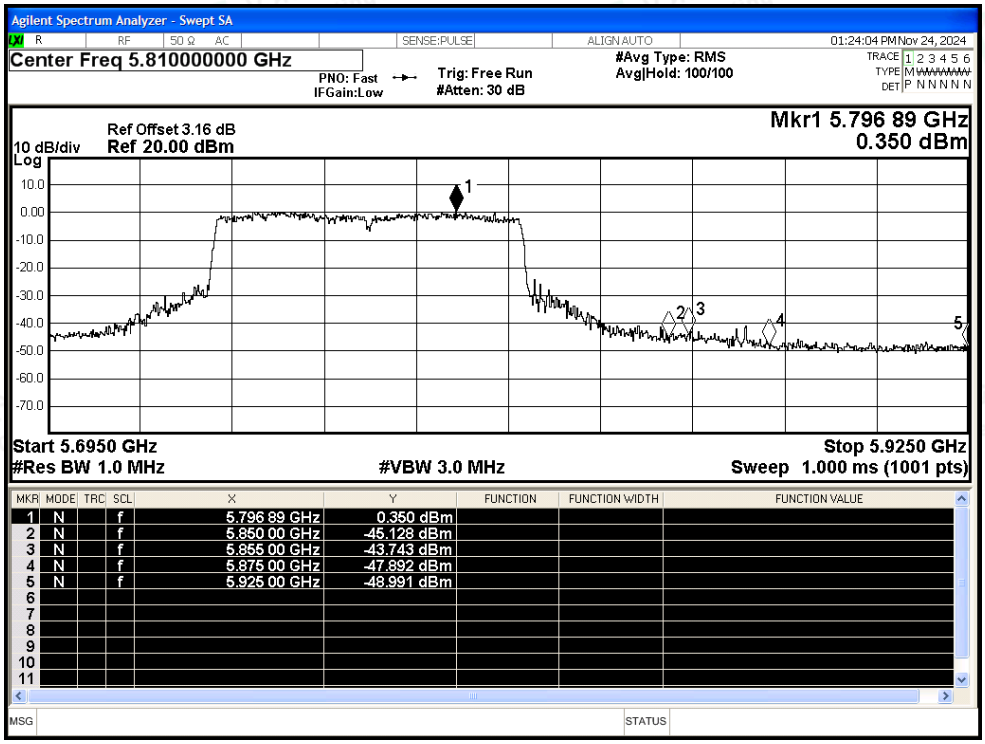
Restrict Band NVNT ac80 5775MHz Ant7 Peak



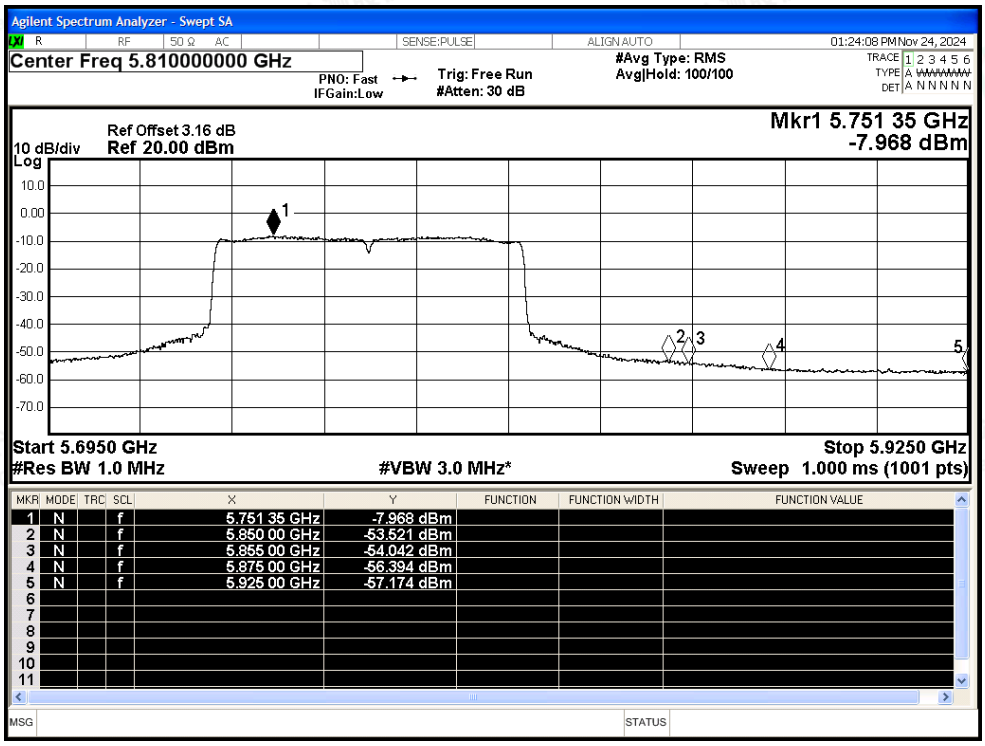
Restrict Band NVNT ac80 5775MHz Ant7 Average



Restrict Band NVNT ac80 5775MHz Ant7 Peak



Restrict Band NVNT ac80 5775MHz Ant7 Average

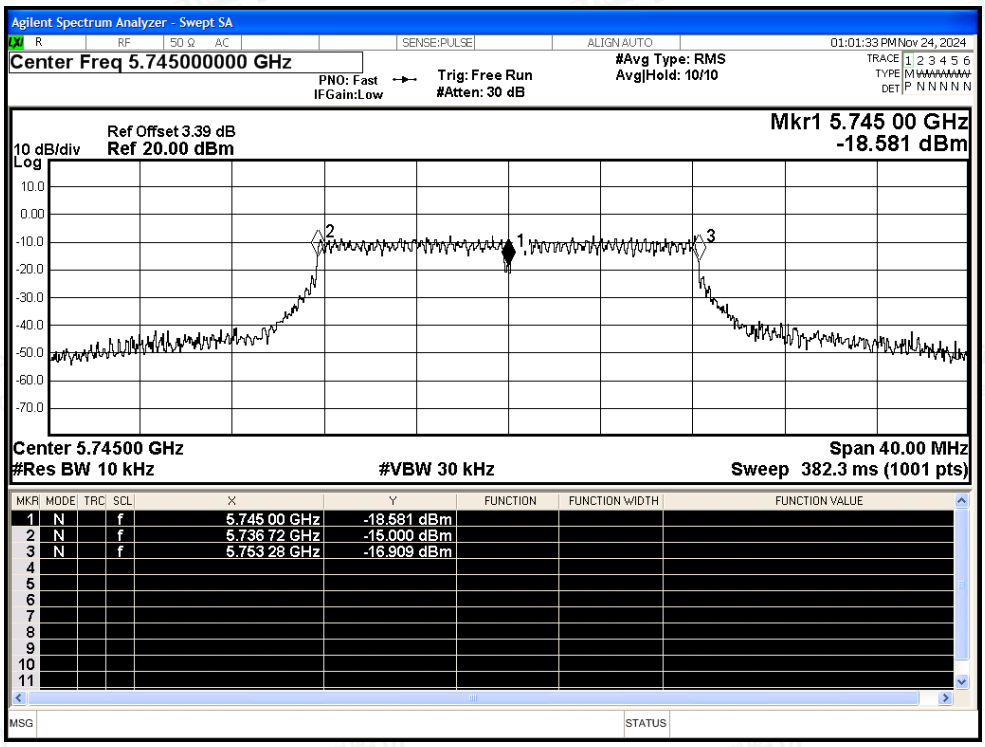


E.5 Frequency Stability

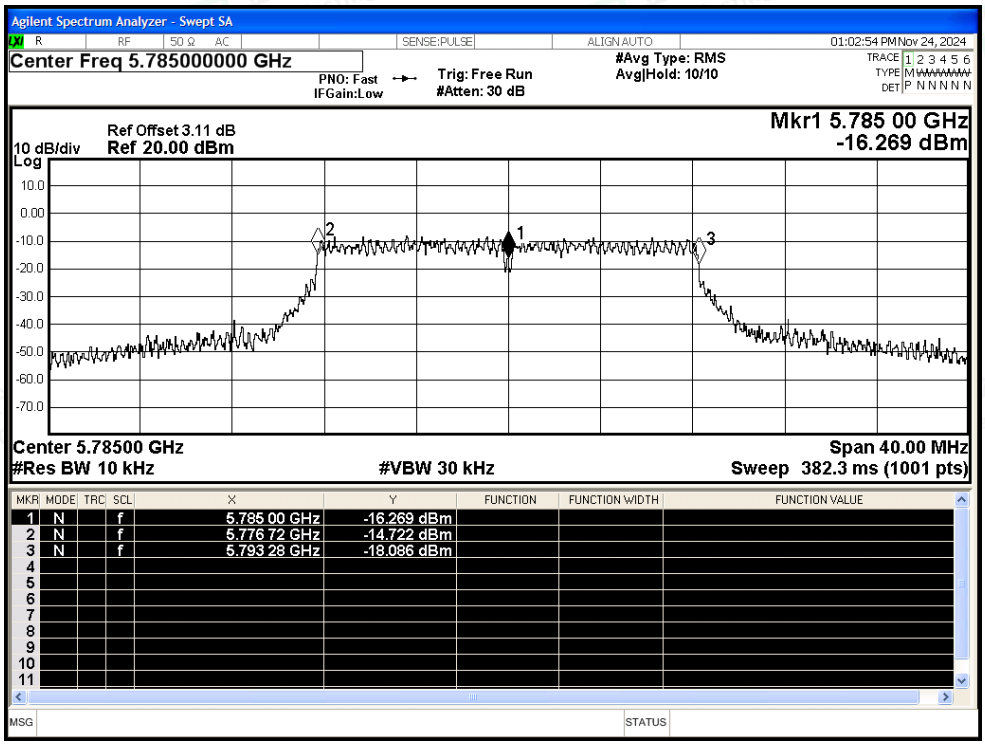
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant7	5745	0	0	25	Pass
NVNT	a	5785	Ant7	5785	0	0	25	Pass
NVNT	a	5825	Ant7	5825	0	0	25	Pass
NVNT	n20	5745	Ant7	5744.98	-20000	-3.48	25	Pass
NVNT	n20	5785	Ant7	5784.96	-40000	-6.91	25	Pass
NVNT	n20	5825	Ant7	5824.98	-20000	-3.43	25	Pass
NVNT	n40	5755	Ant7	5755	0	0	25	Pass
NVNT	n40	5795	Ant7	5794.96	-40000	-6.9	25	Pass
NVNT	ac20	5745	Ant7	5744.98	-20000	-3.48	25	Pass
NVNT	ac20	5785	Ant7	5784.96	-40000	-6.91	25	Pass
NVNT	ac20	5825	Ant7	5824.98	-20000	-3.43	25	Pass
NVNT	ac40	5755	Ant7	5754.96	-40000	-6.95	25	Pass
NVNT	ac40	5795	Ant7	5794.96	-40000	-6.9	25	Pass
NVNT	ac80	5775	Ant7	5775	0	0	25	Pass

Test Graphs

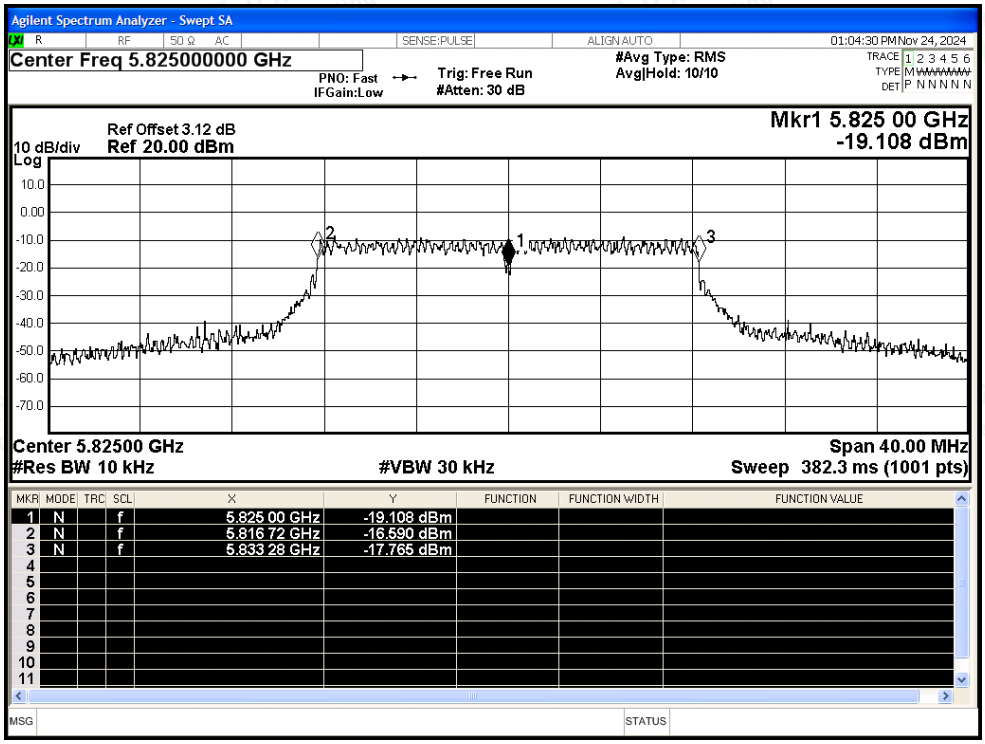
Freq. Stability NVNT a 5745MHz Ant7



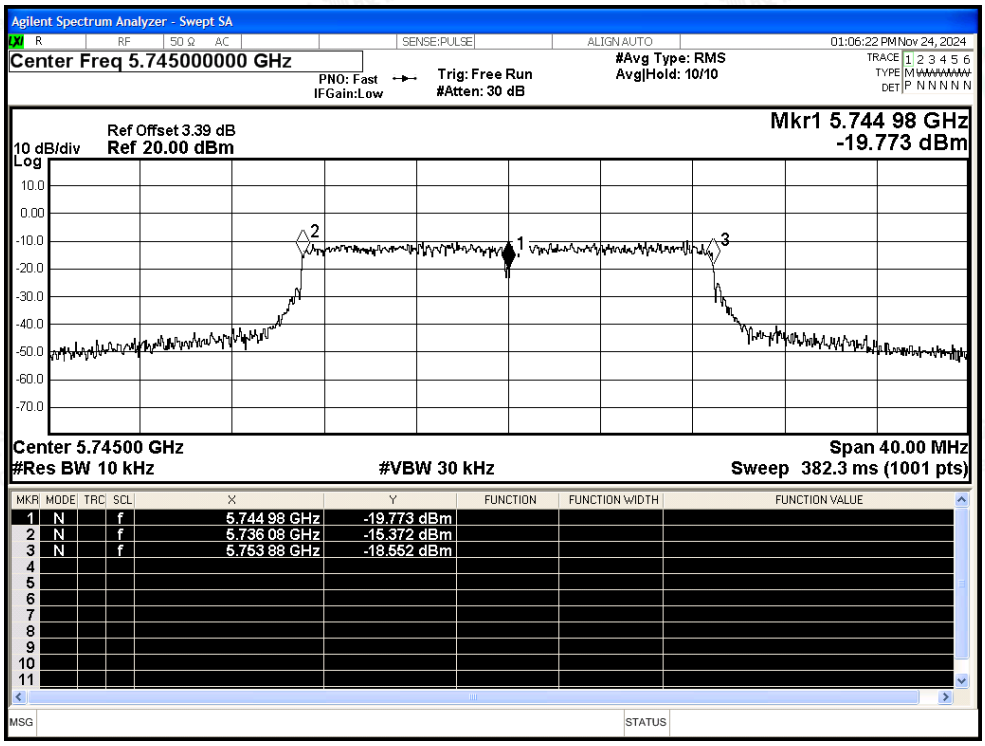
Freq. Stability NVNT a 5785MHz Ant7



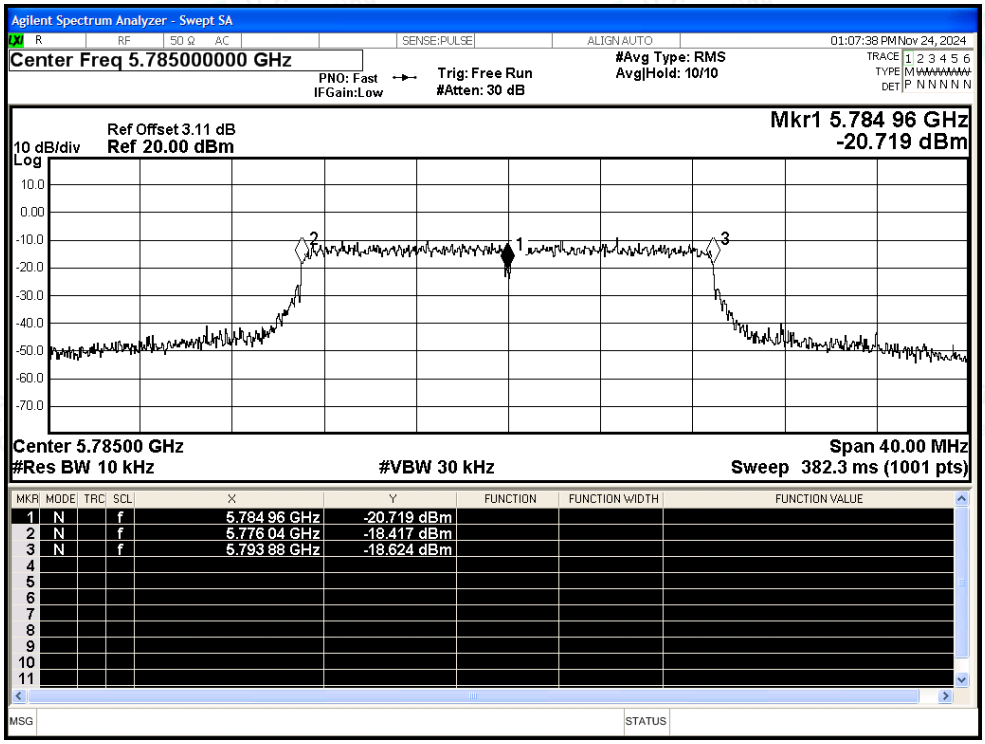
Freq. Stability NVNT a 5825MHz Ant7



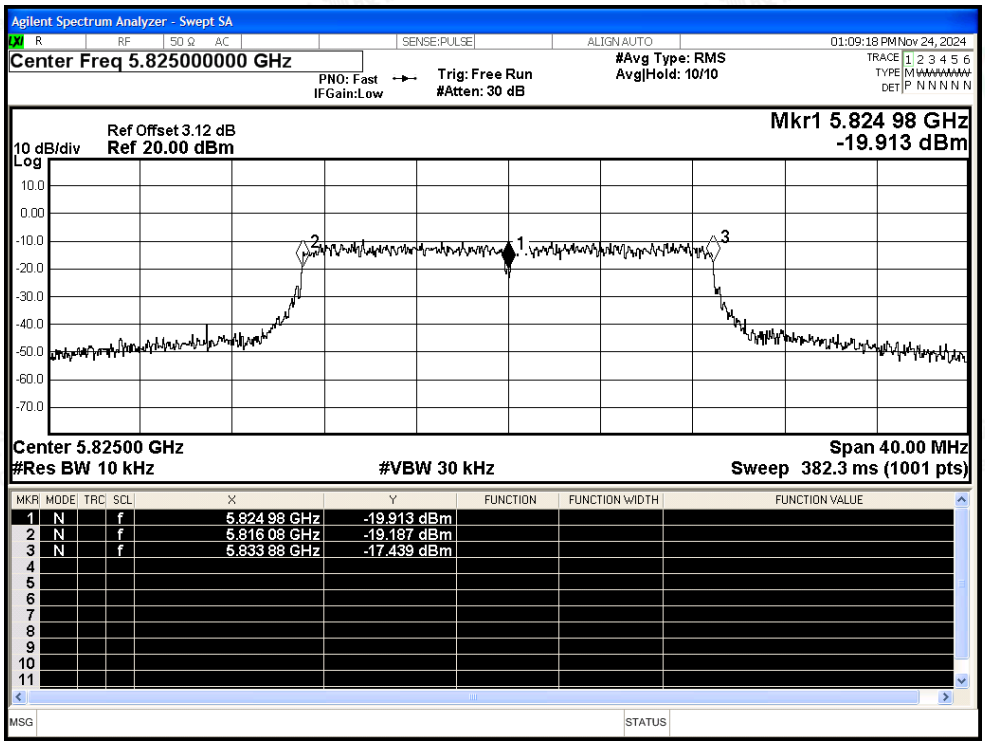
Freq. Stability NVNT n20 5745MHz Ant7



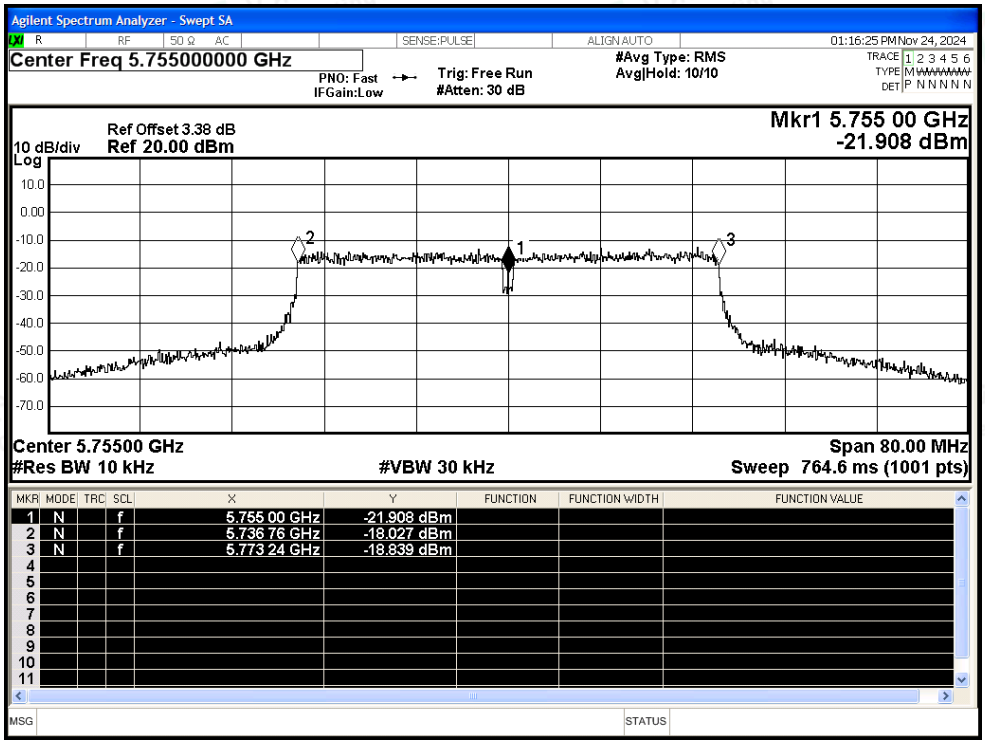
Freq. Stability NVNT n20 5785MHz Ant7



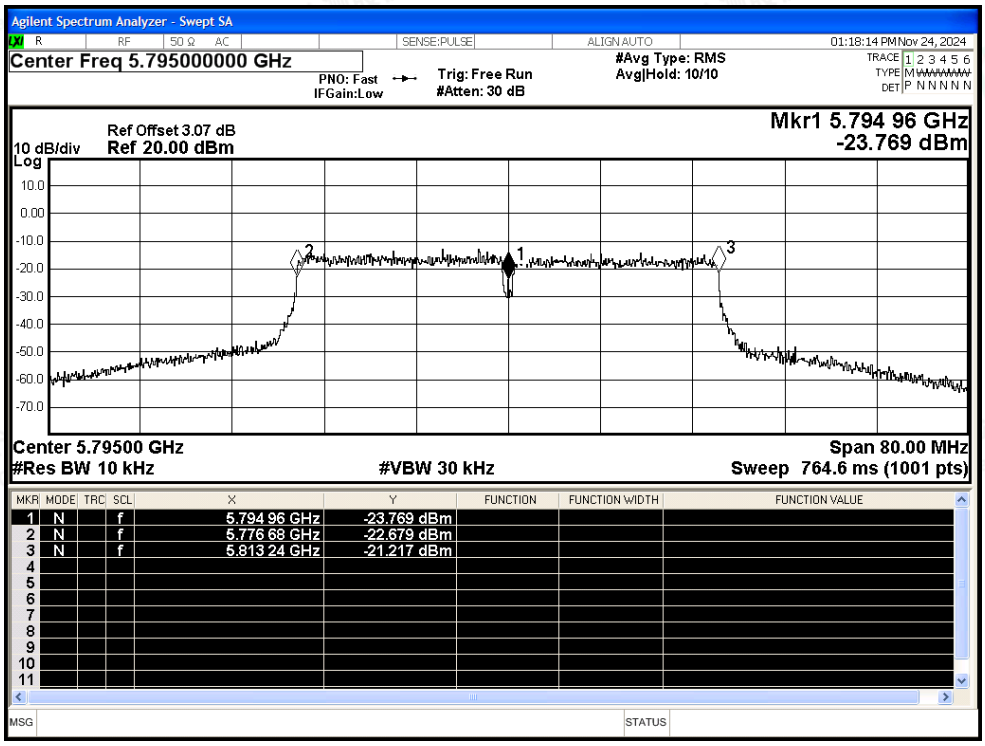
Freq. Stability NVNT n20 5825MHz Ant7



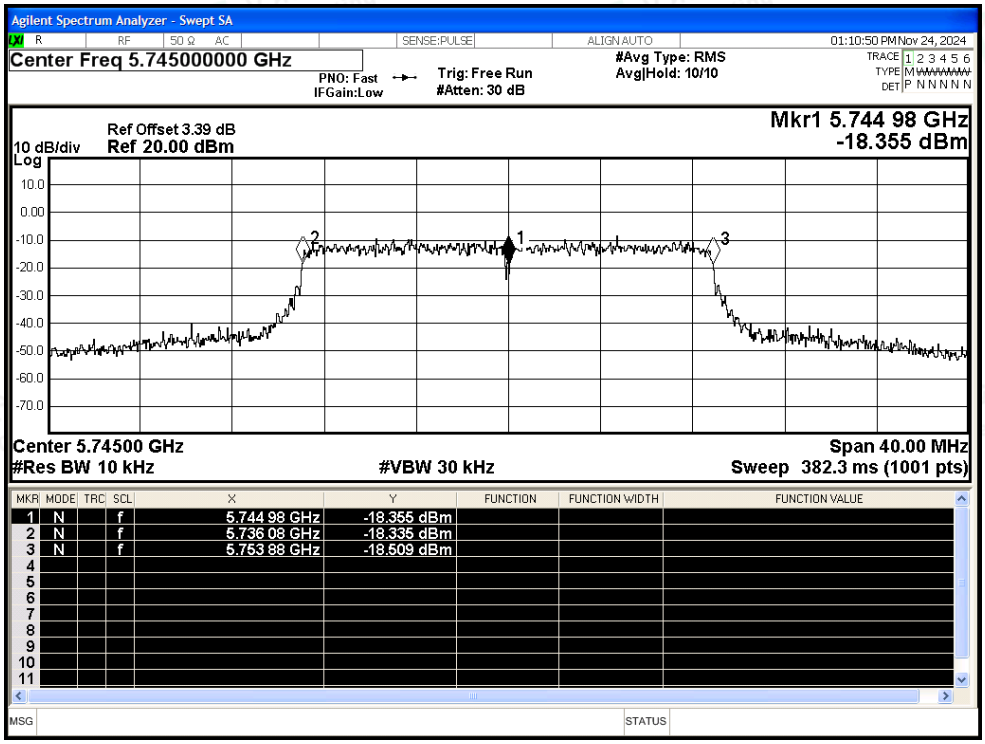
Freq. Stability NVNT n40 5755MHz Ant7



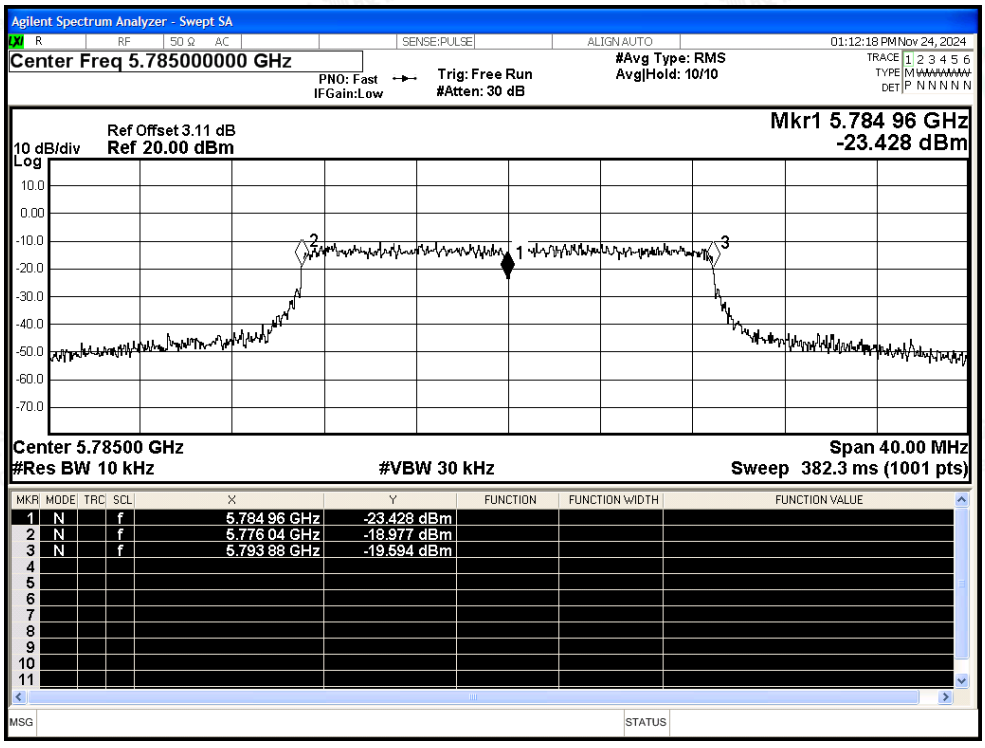
Freq. Stability NVNT n40 5795MHz Ant7



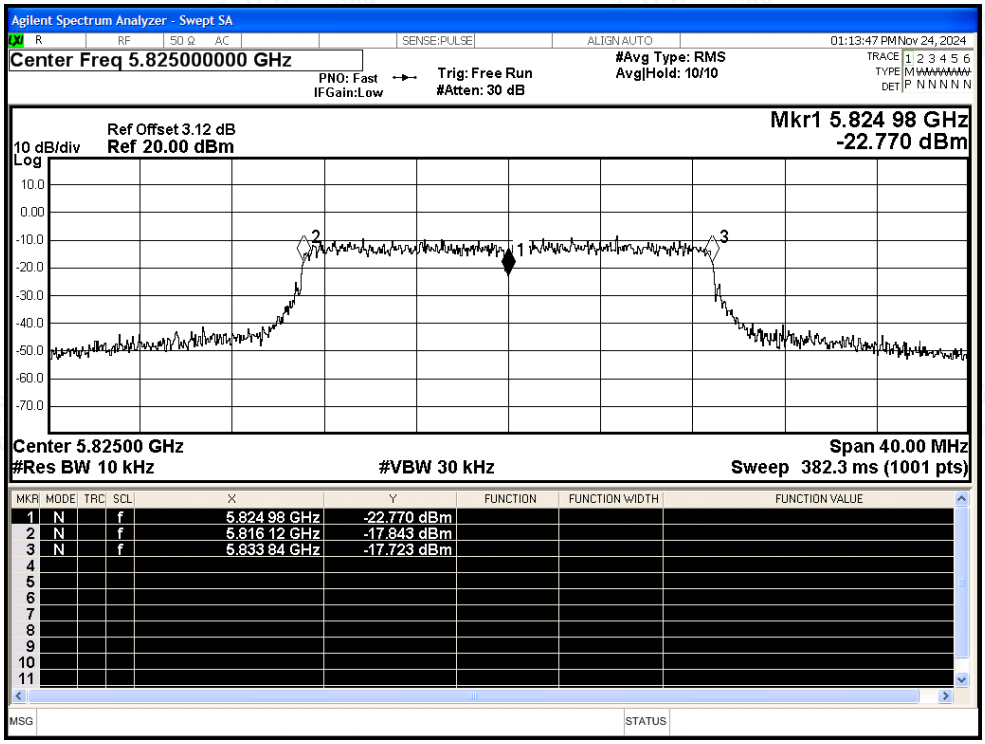
Freq. Stability NVNT ac20 5745MHz Ant7



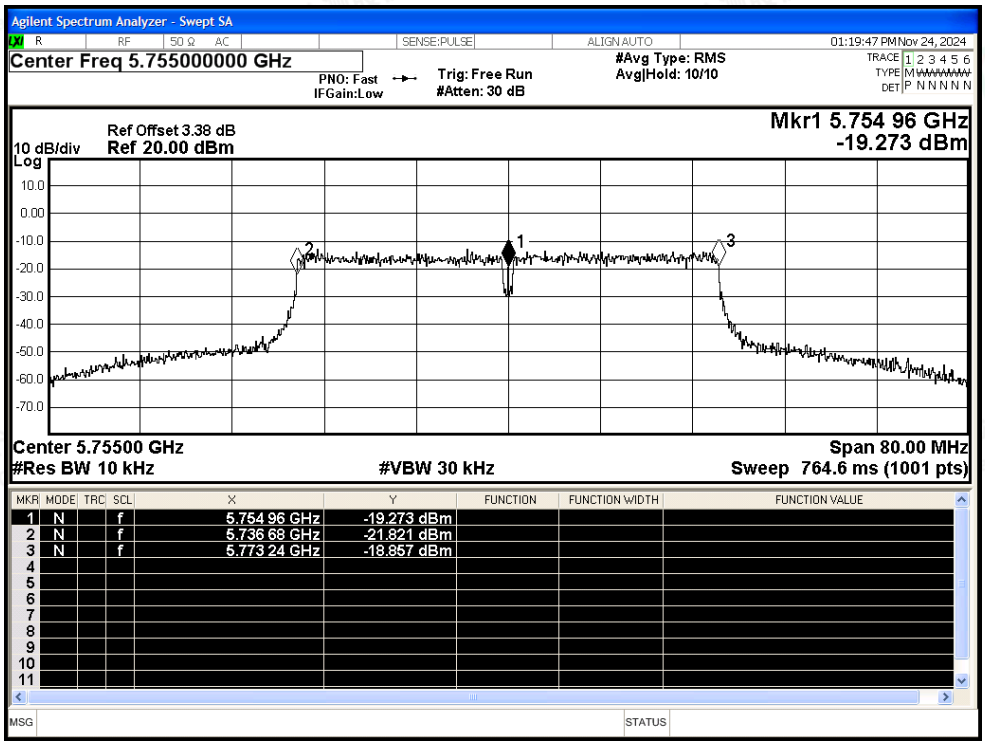
Freq. Stability NVNT ac20 5785MHz Ant7



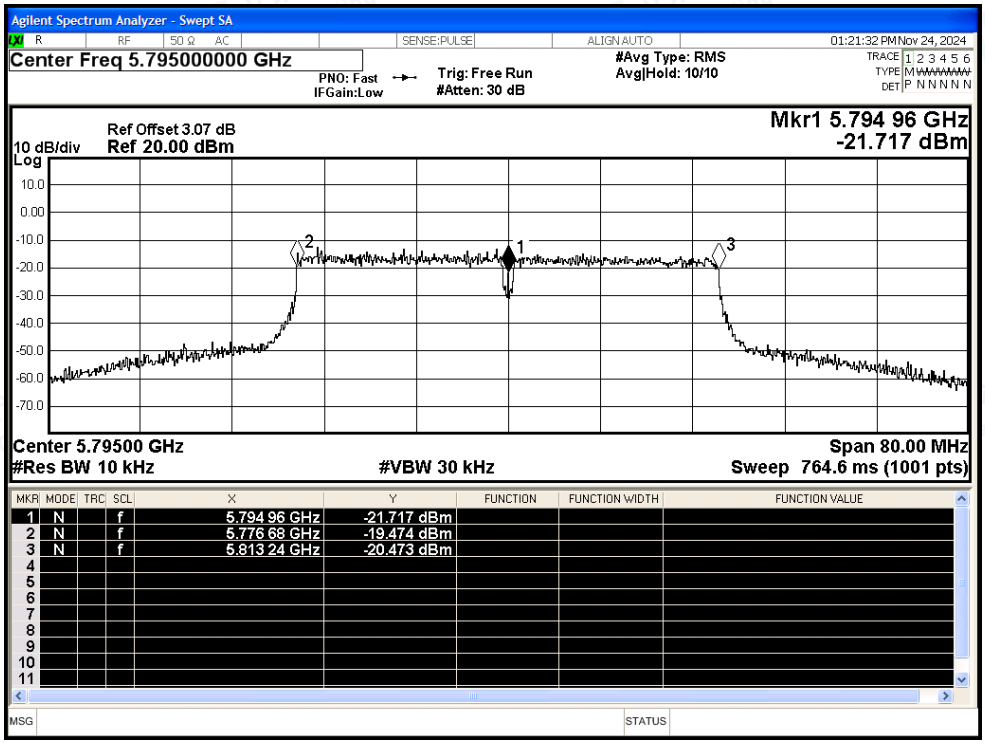
Freq. Stability NVNT ac20 5825MHz Ant7



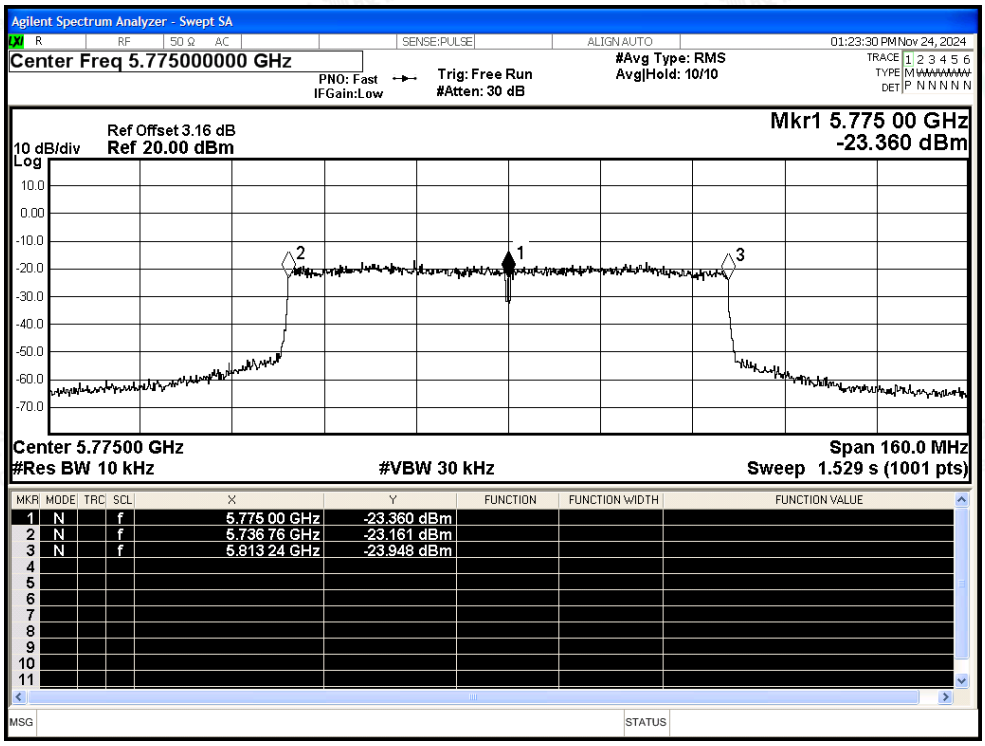
Freq. Stability NVNT ac40 5755MHz Ant7



Freq. Stability NVNT ac40 5795MHz Ant7



Freq. Stability NVNT ac80 5775MHz Ant7

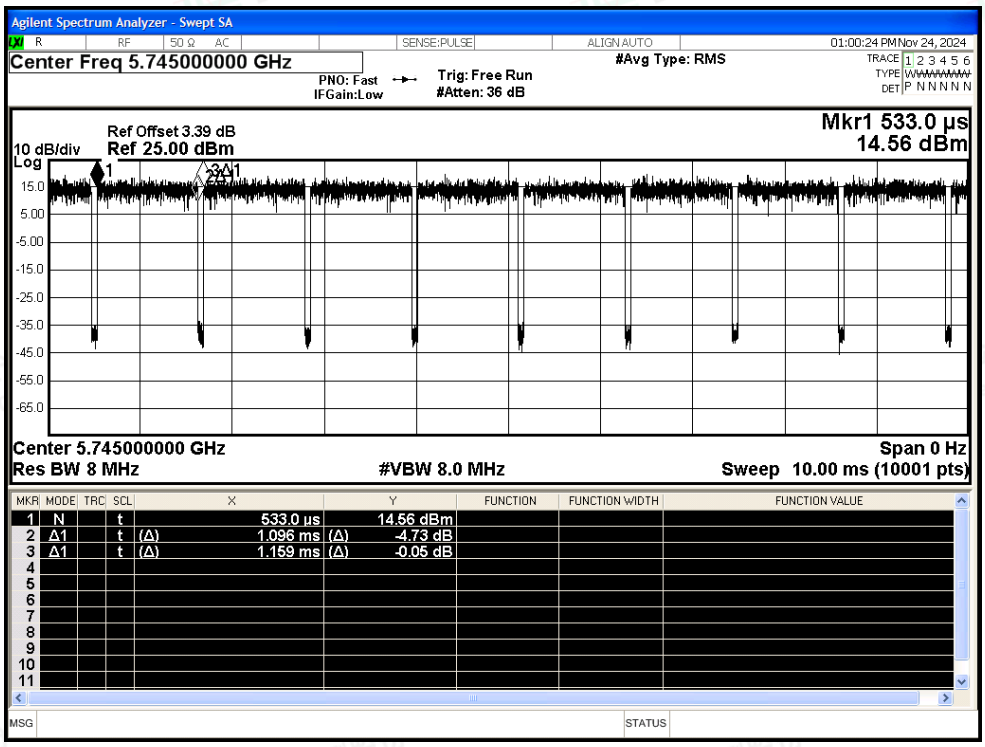


E.6 Duty Cycle

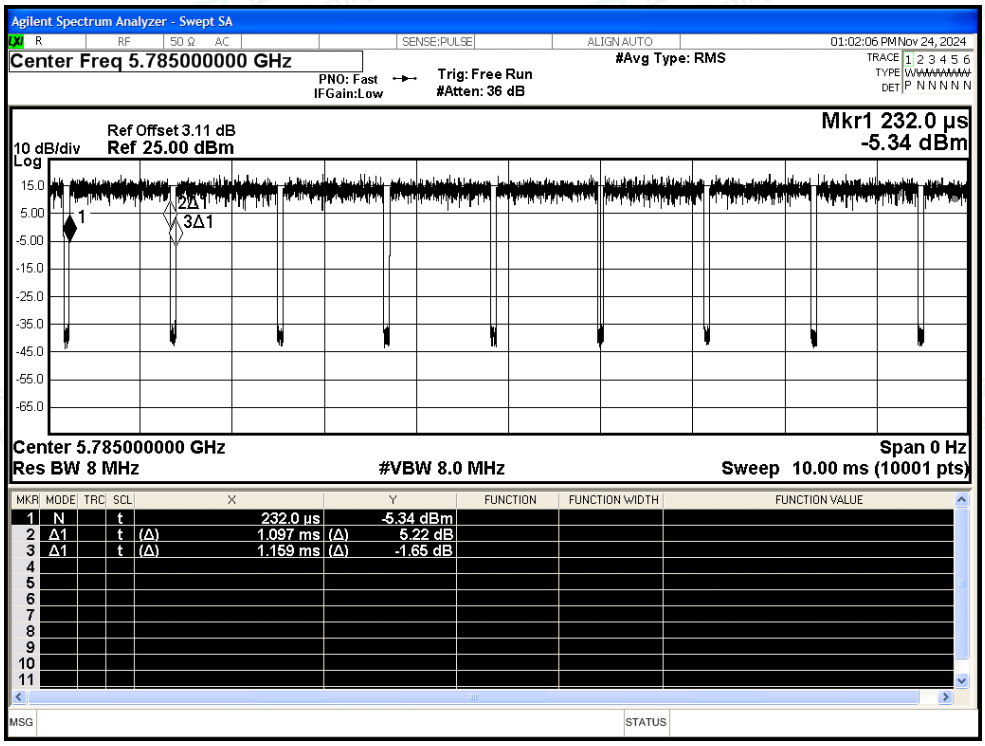
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant7	94.56	0.24	0.91
NVNT	a	5785	Ant7	94.65	0.24	0.91
NVNT	a	5825	Ant7	94.56	0.24	0.91
NVNT	n20	5745	Ant7	97.29	0.12	0.44
NVNT	n20	5785	Ant7	97.29	0.12	0.44
NVNT	n20	5825	Ant7	97.29	0.12	0.44
NVNT	n40	5755	Ant7	94.71	0.24	0.9
NVNT	n40	5795	Ant7	94.71	0.24	0.9
NVNT	ac20	5745	Ant7	97.34	0.12	0.44
NVNT	ac20	5785	Ant7	97.34	0.12	0.44
NVNT	ac20	5825	Ant7	97.34	0.12	0.44
NVNT	ac40	5755	Ant7	94.72	0.24	0.9
NVNT	ac40	5795	Ant7	94.72	0.24	0.9
NVNT	ac80	5775	Ant7	94.32	0.25	0.97

Test Graphs

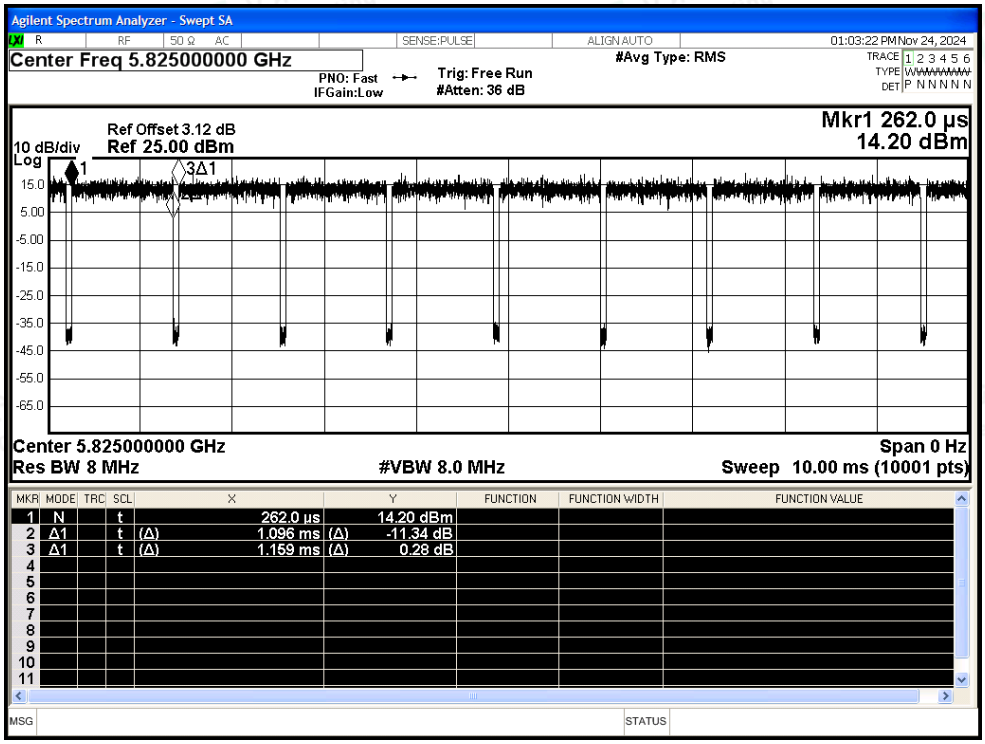
Duty Cycle NVNT a 5745MHz Ant7



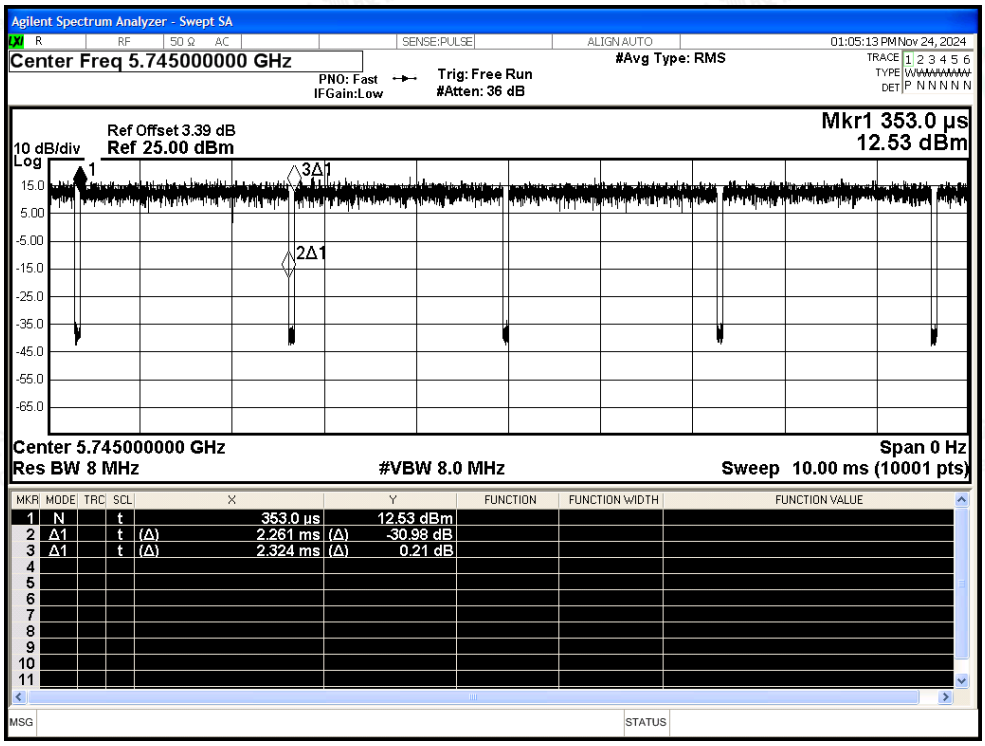
Duty Cycle NVNT a 5785MHz Ant7



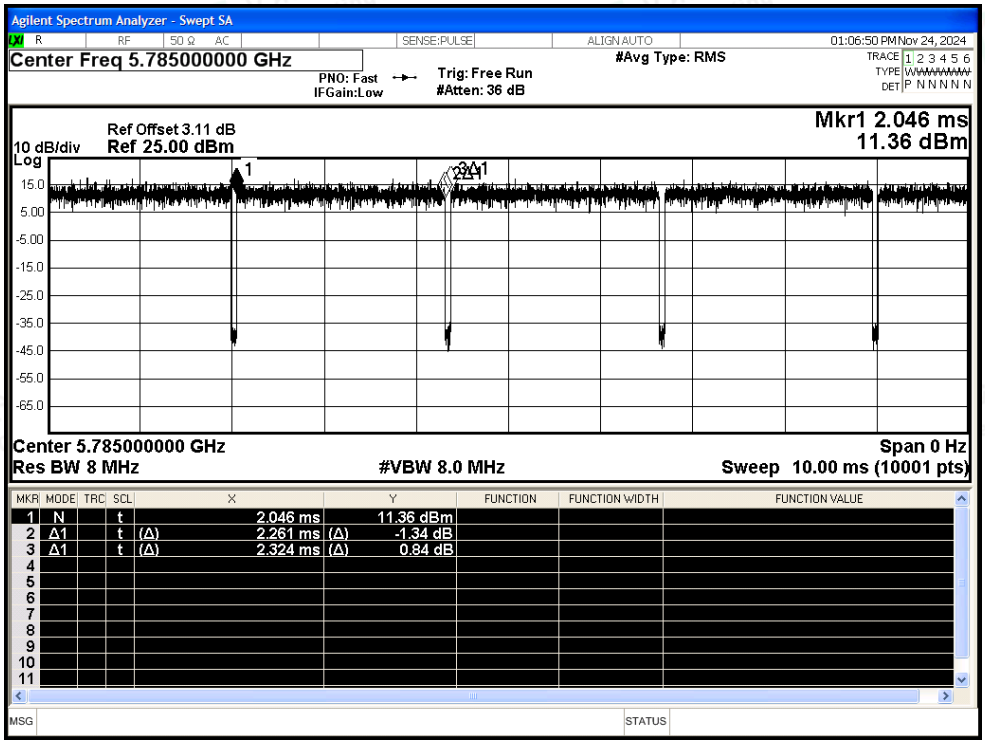
Duty Cycle NVNT a 5825MHz Ant7



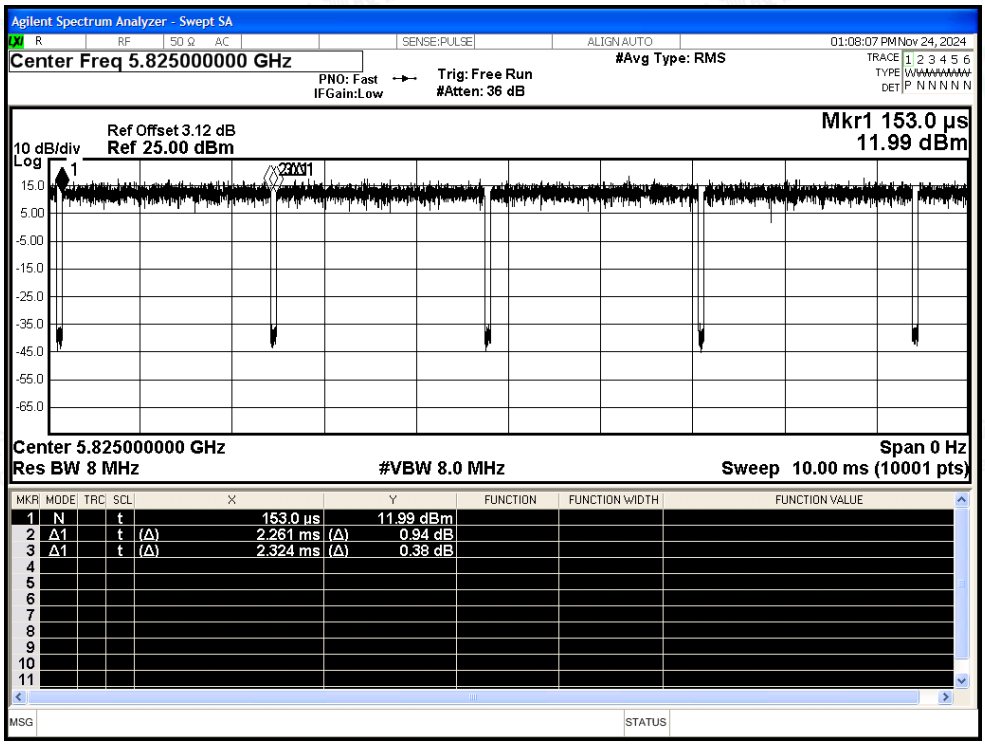
Duty Cycle NVNT n20 5745MHz Ant7



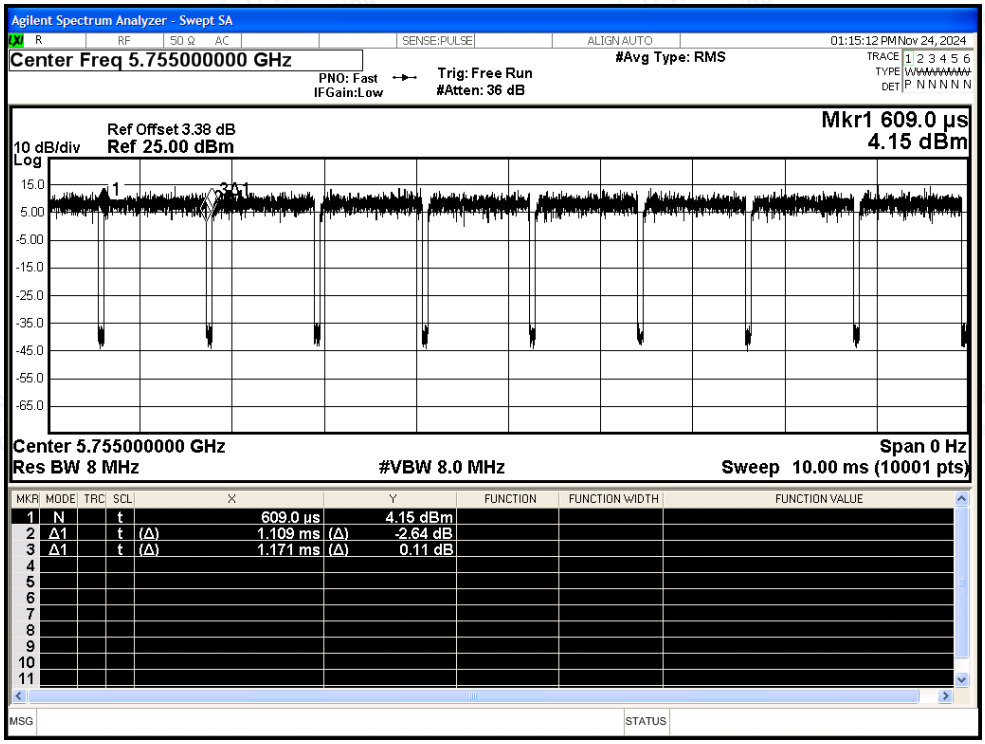
Duty Cycle NVNT n20 5785MHz Ant7



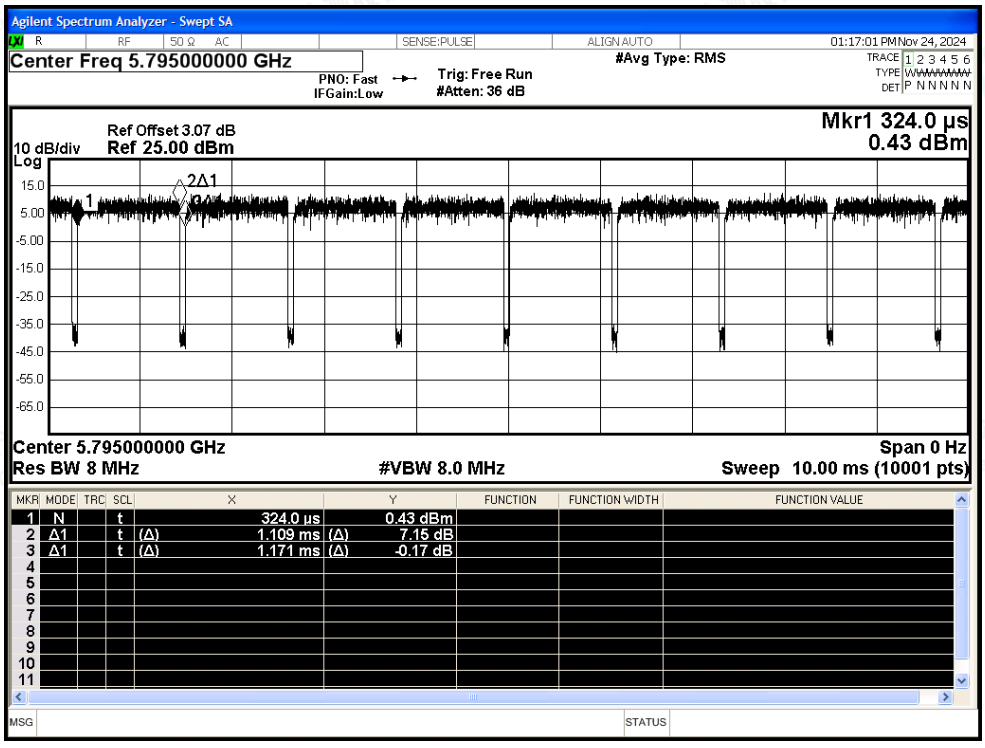
Duty Cycle NVNT n20 5825MHz Ant7



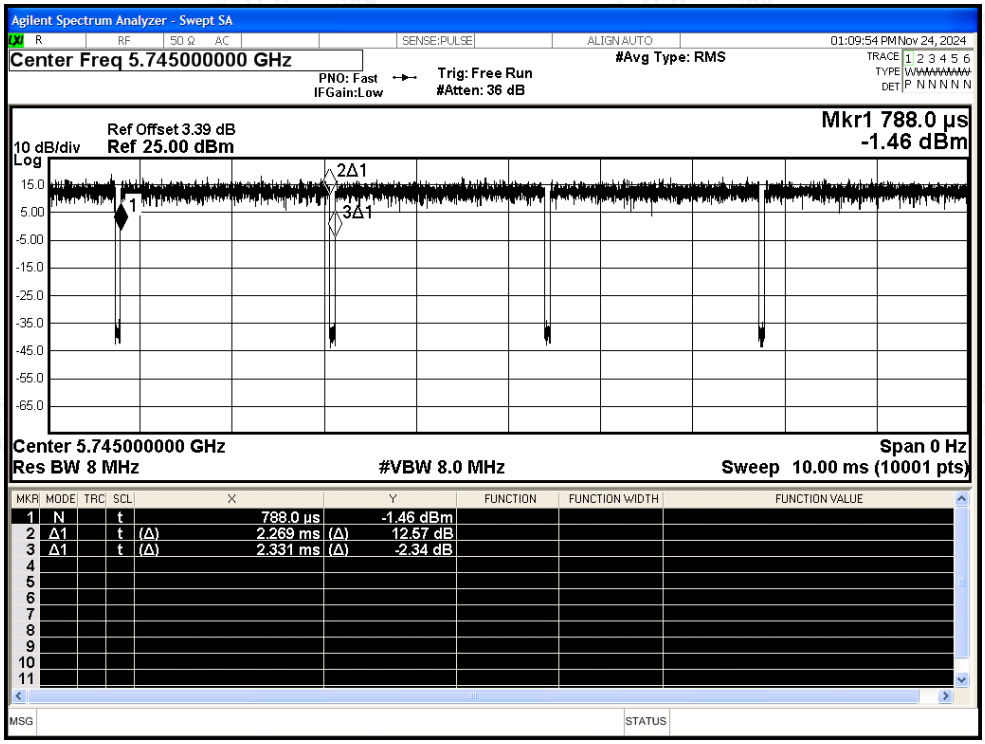
Duty Cycle NVNT n40 5755MHz Ant7



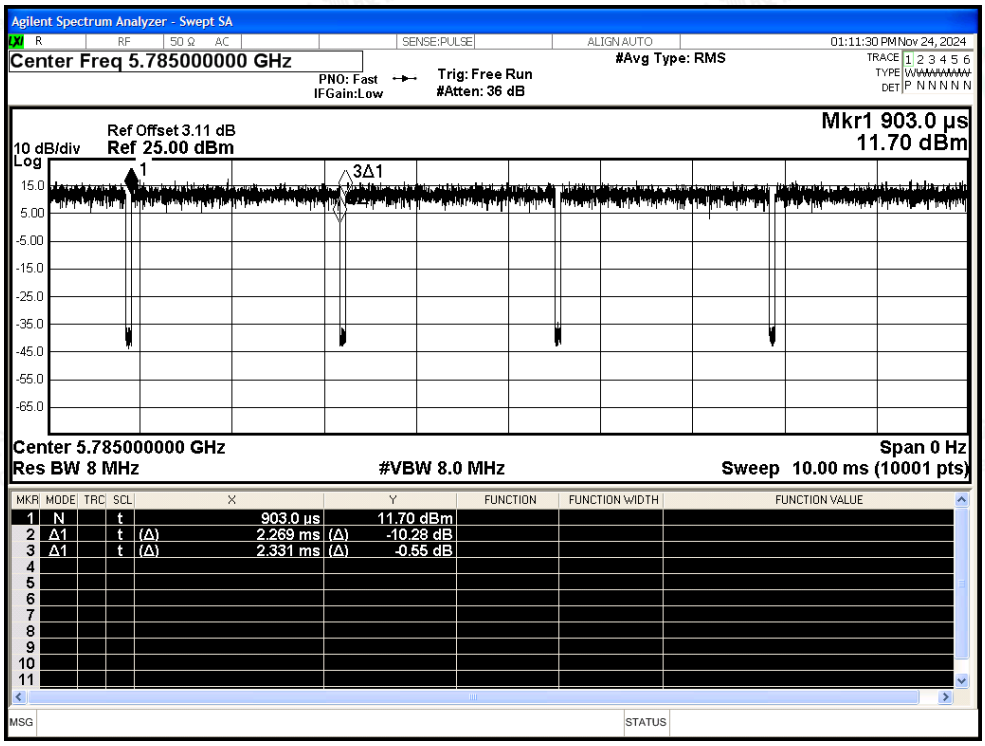
Duty Cycle NVNT n40 5795MHz Ant7



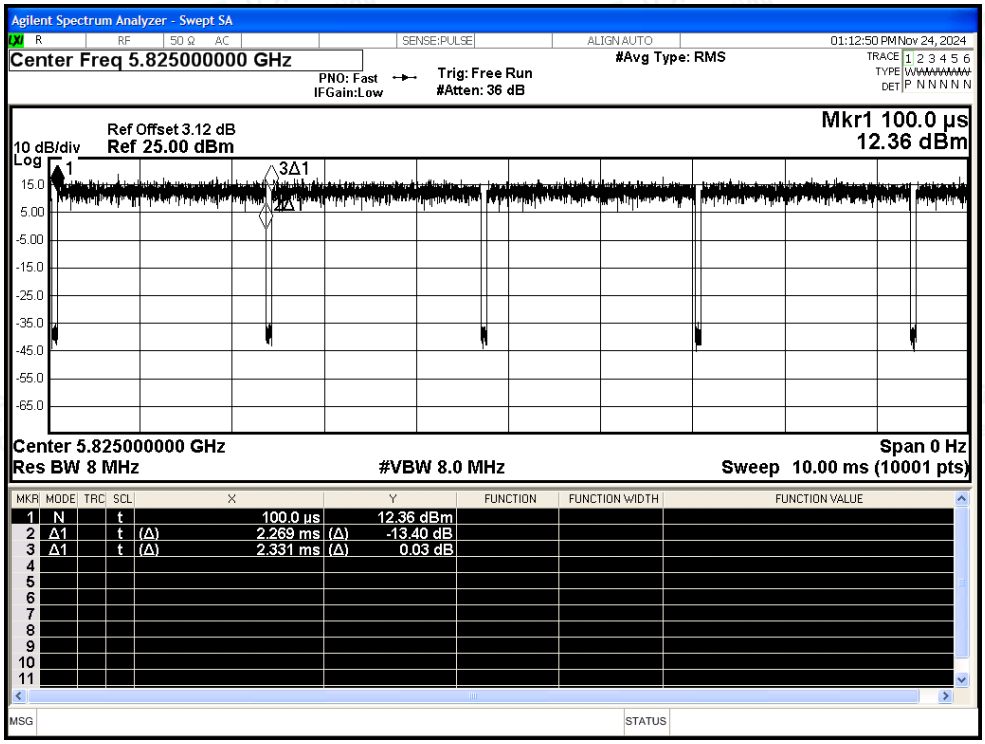
Duty Cycle NVNT ac20 5745MHz Ant7



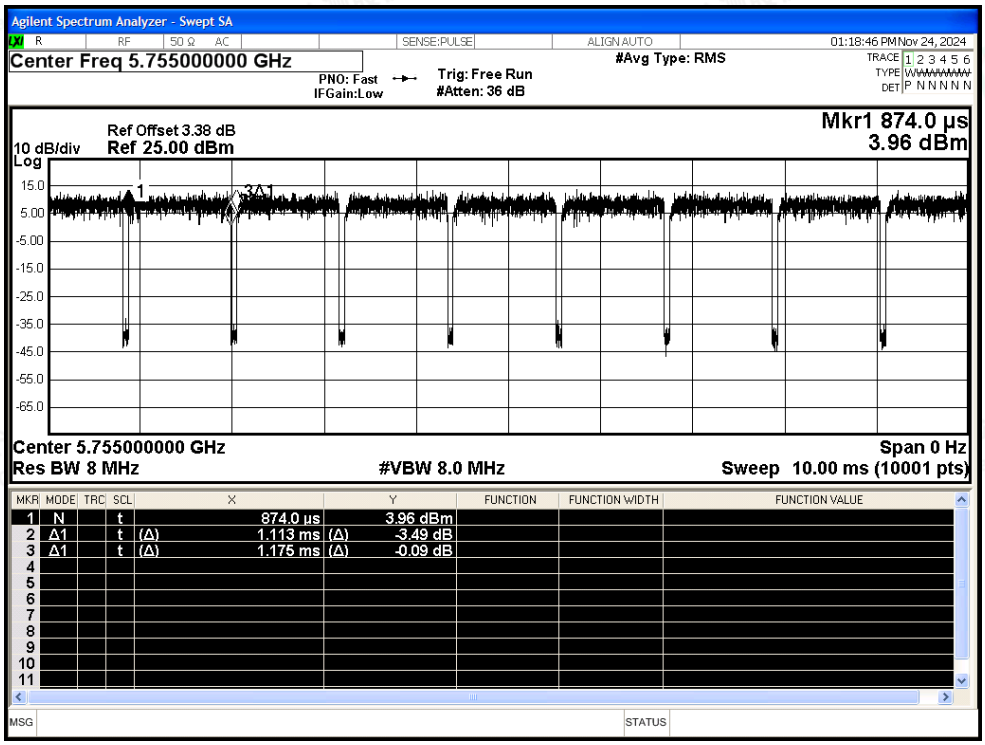
Duty Cycle NVNT ac20 5785MHz Ant7



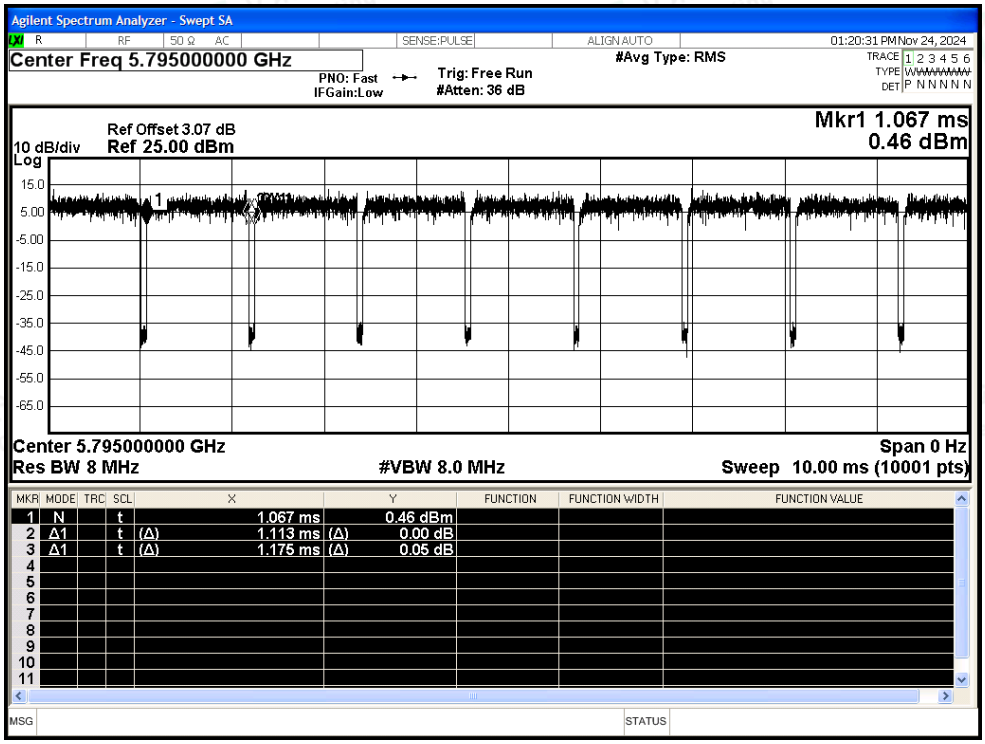
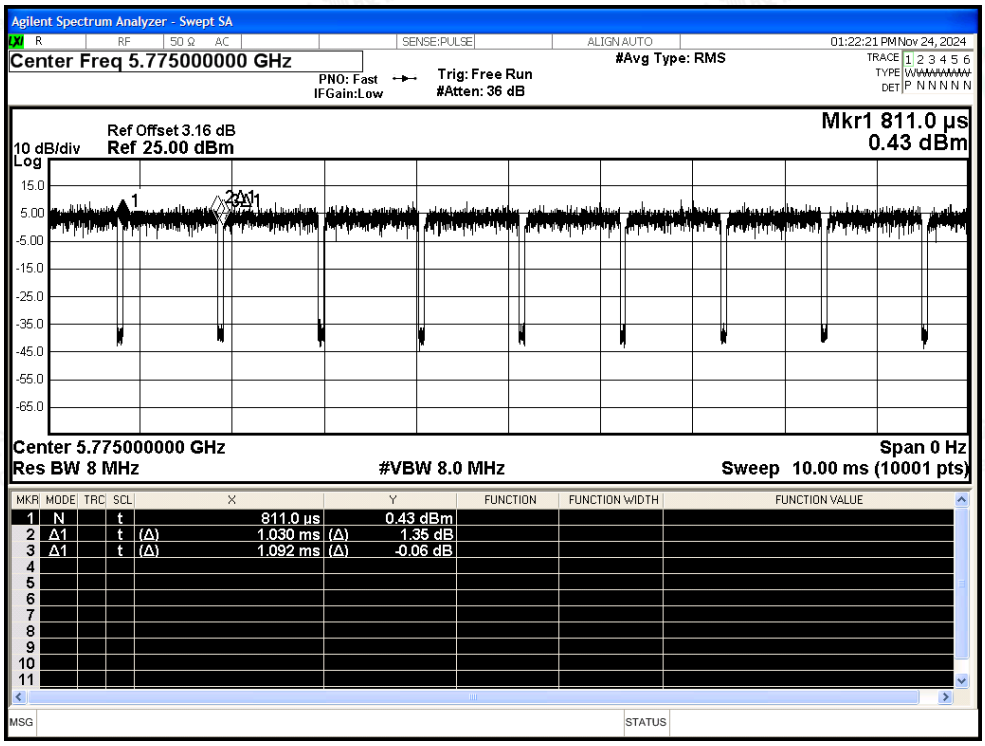
Duty Cycle NVNT ac20 5825MHz Ant7



Duty Cycle NVNT ac40 5755MHz Ant7



Duty Cycle NVNT ac40 5795MHz Ant7



Duty Cycle NVNT ac80 5775MHz Ant7