Appendix C

RF Test Data for 5.8GWIFI (Conducted Measurement)

Product Name: GPON Wi-Fi AC1200

Test Model: PBT-H510

Environmental Conditions

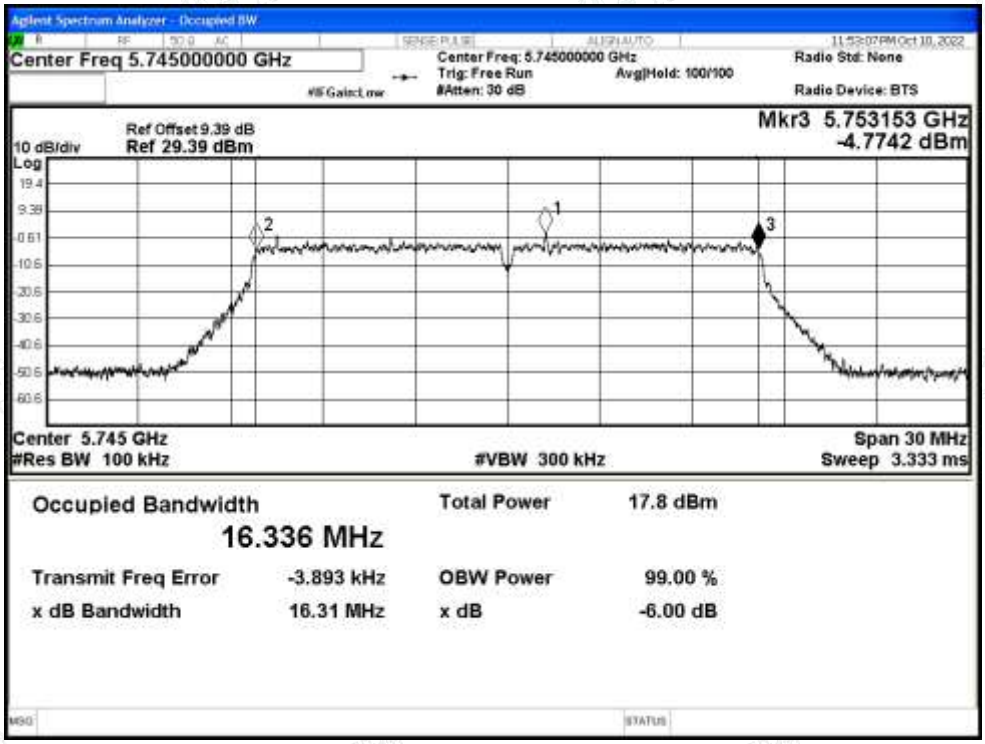
Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan

C.1 -6dB Bandwidth

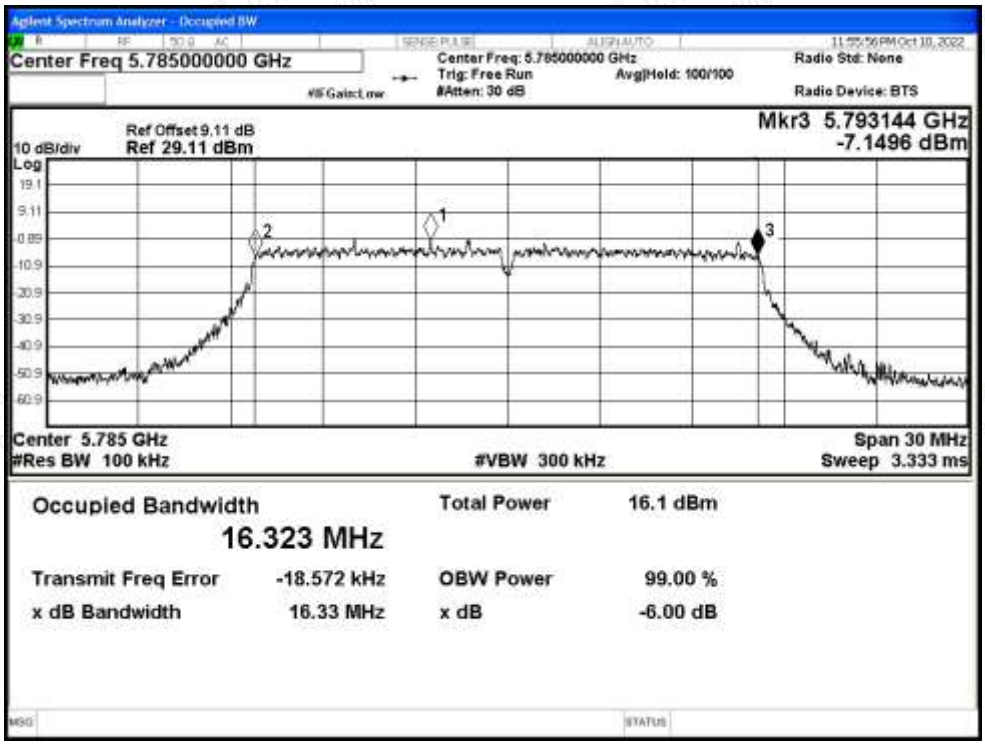
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant0	16.313	>=0.5	Pass
NVNT	a	5785	Ant0	16.325	>=0.5	Pass
NVNT	a	5825	Ant0	16.348	>=0.5	Pass
NVNT	n20	5745	Ant0	17.552	>=0.5	Pass
NVNT	n20	5785	Ant0	17.568	>=0.5	Pass
NVNT	n20	5825	Ant0	17.573	>=0.5	Pass
NVNT	n40	5755	Ant0	35.082	>=0.5	Pass
NVNT	n40	5795	Ant0	35.089	>=0.5	Pass
NVNT	ac20	5745	Ant0	17.559	>=0.5	Pass
NVNT	ac20	5785	Ant0	17.552	>=0.5	Pass
NVNT	ac20	5825	Ant0	17.543	>=0.5	Pass
NVNT	ac40	5755	Ant0	35.464	>=0.5	Pass
NVNT	ac40	5795	Ant0	34.425	>=0.5	Pass
NVNT	ac80	5775	Ant0	75.098	>=0.5	Pass

Test Graphs

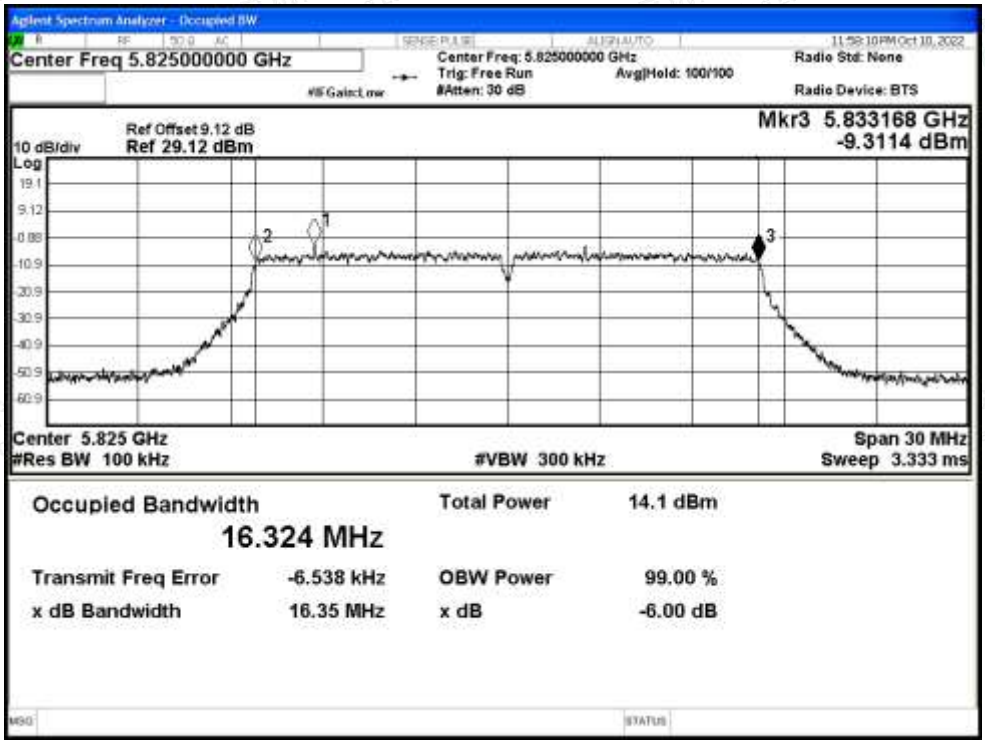
-6dB Bandwidth NVNT a 5745MHz Ant0



-6dB Bandwidth NVNT a 5785MHz Ant0

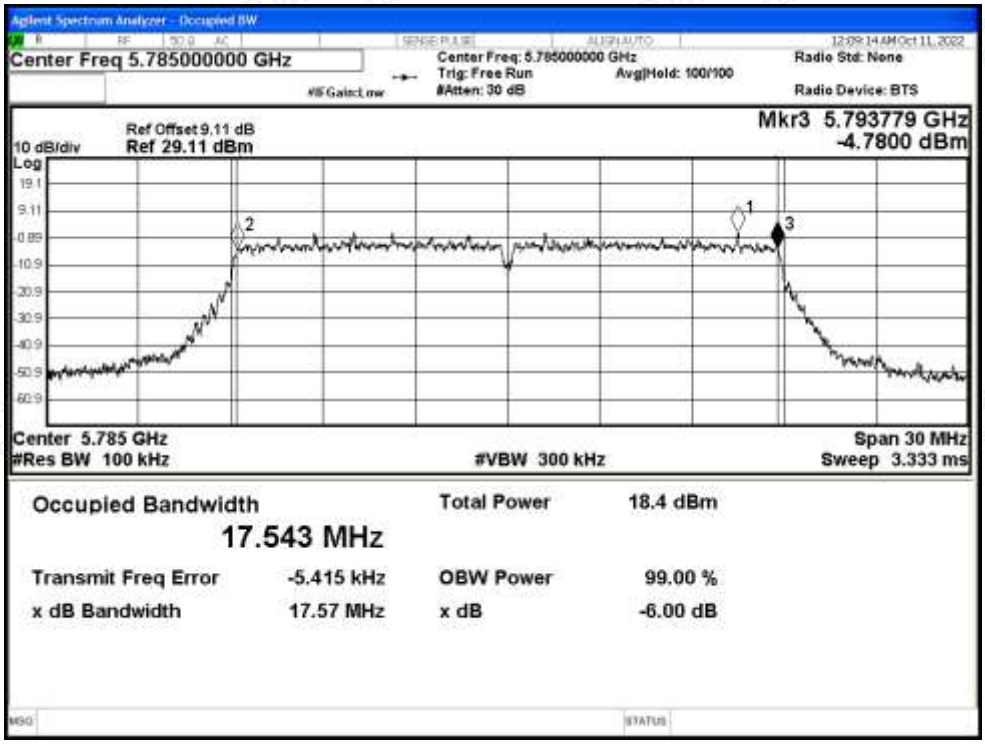


-6dB Bandwidth NVNT a 5825MHz Ant0

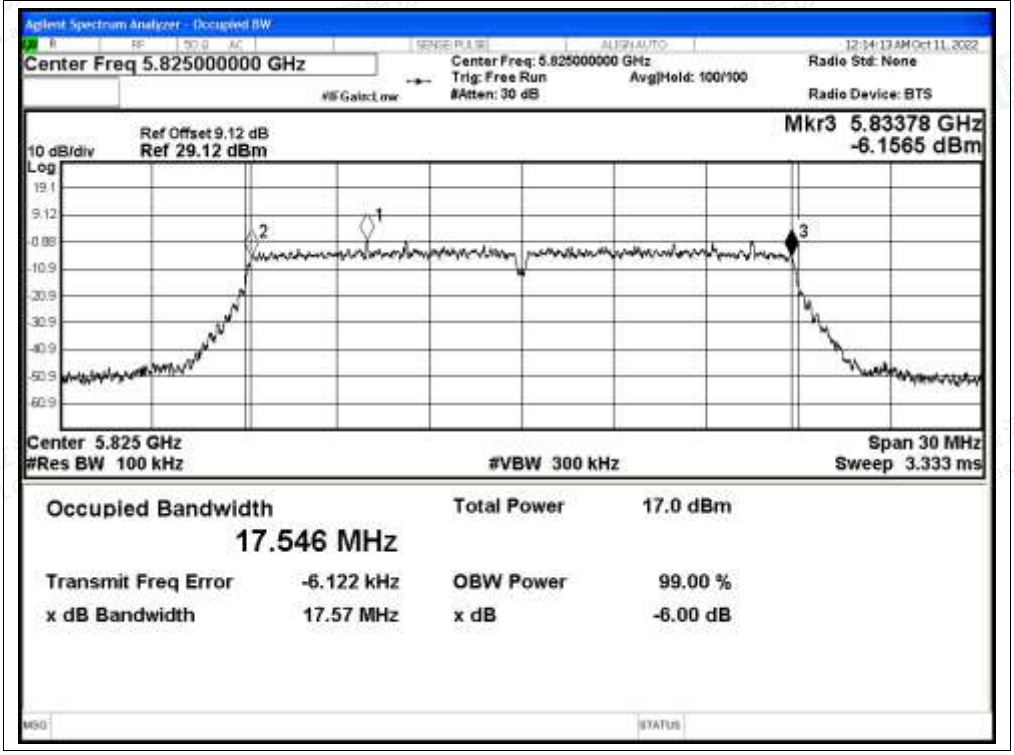


-6dB Bandwidth NVNT n20 5745MHz Ant0

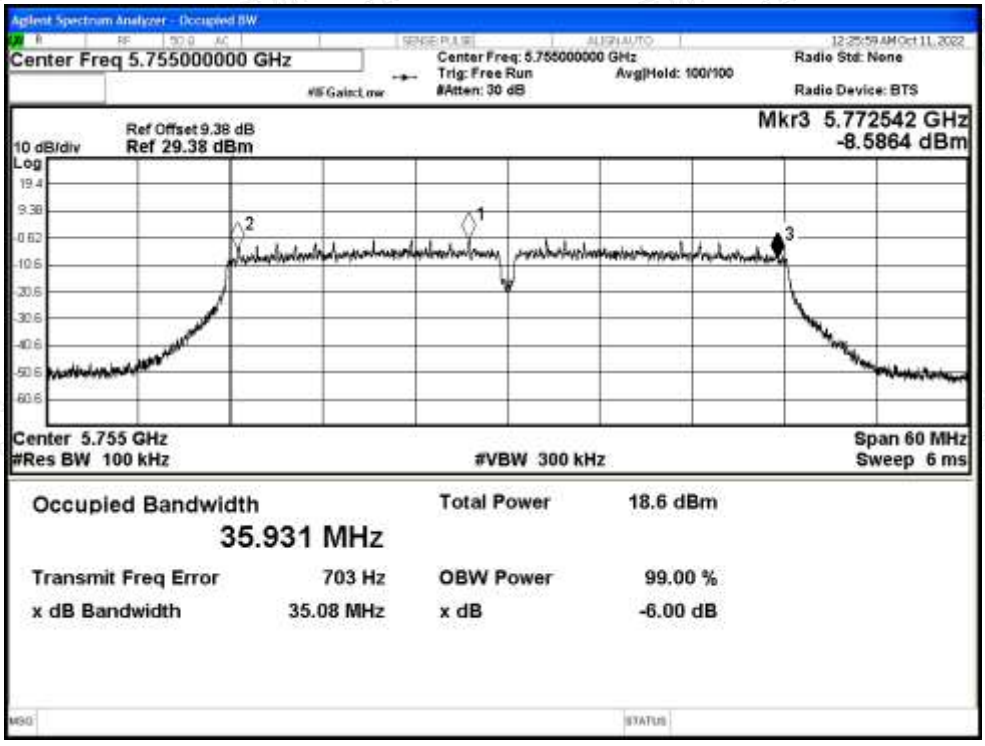
-6dB Bandwidth NVNT n20 5785MHz Ant0



-6dB Bandwidth NVNT n20 5825MHz Ant0

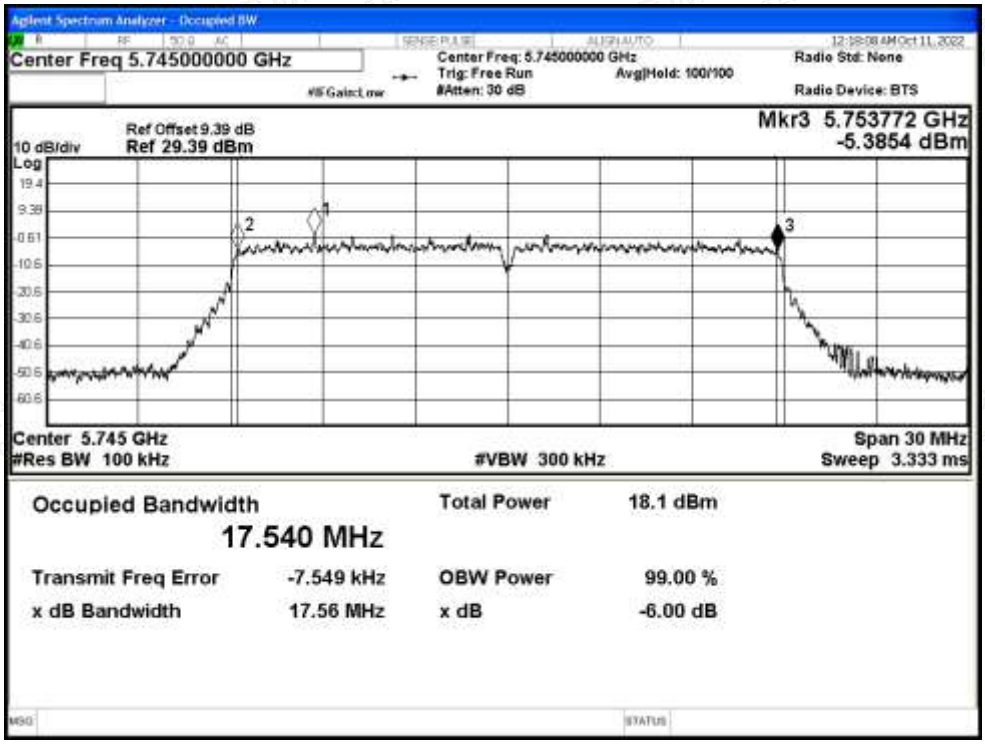


-6dB Bandwidth NVNT n40 5755MHz Ant0

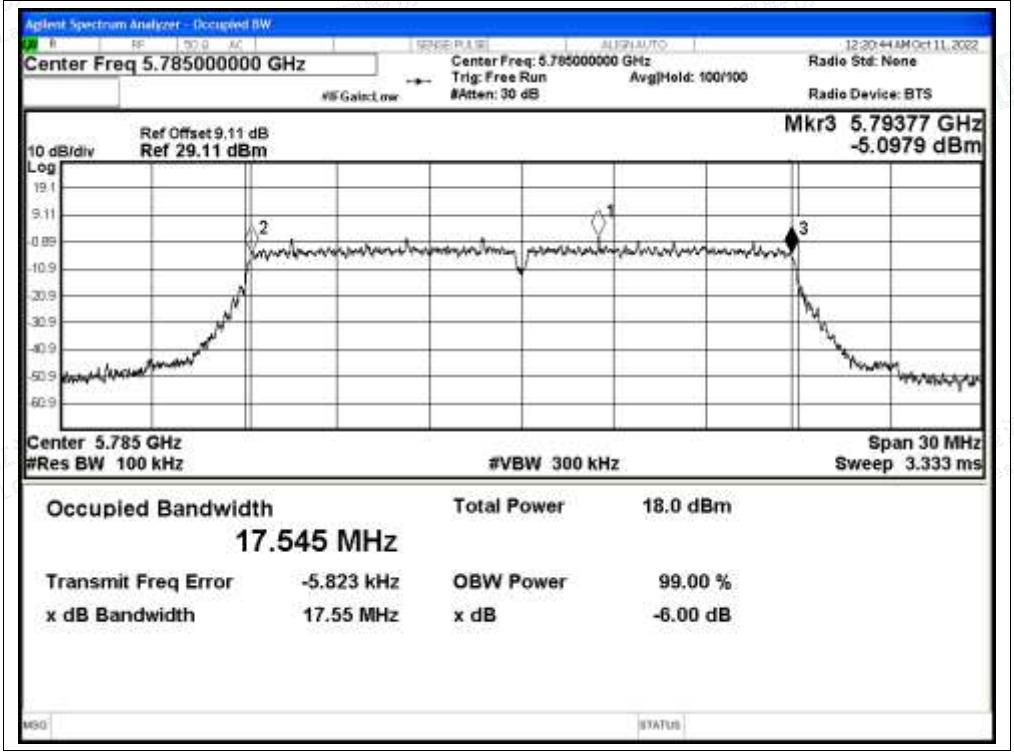


-6dB Bandwidth NVNT n40 5795MHz Ant0

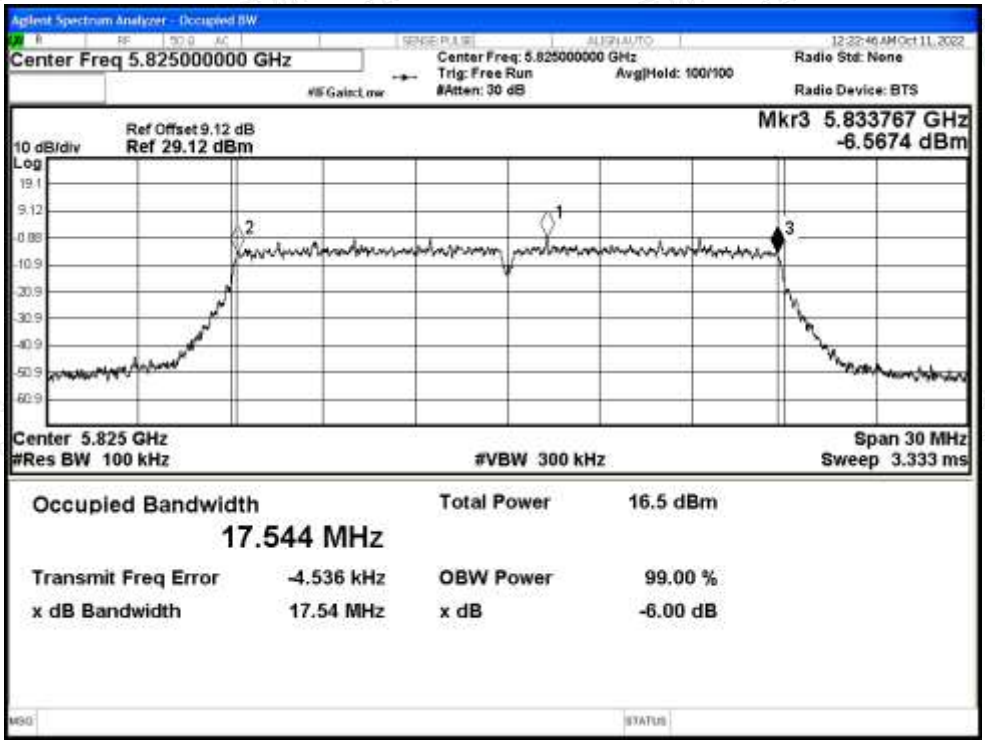
-6dB Bandwidth NVNT ac20 5745MHz Ant0



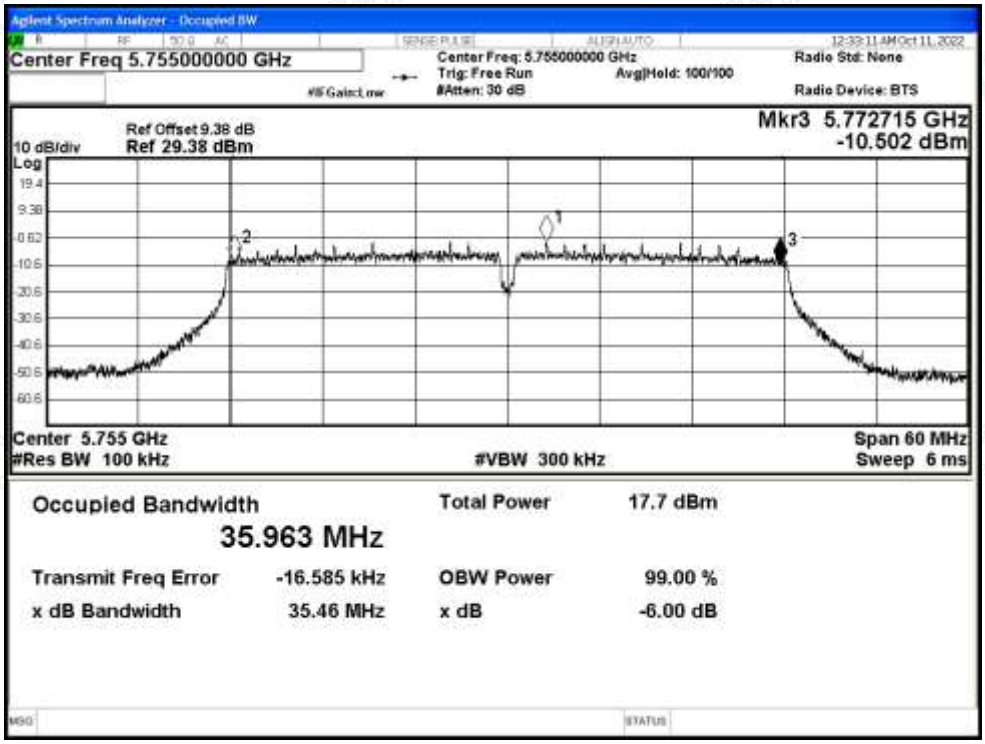
-6dB Bandwidth NVNT ac20 5785MHz Ant0



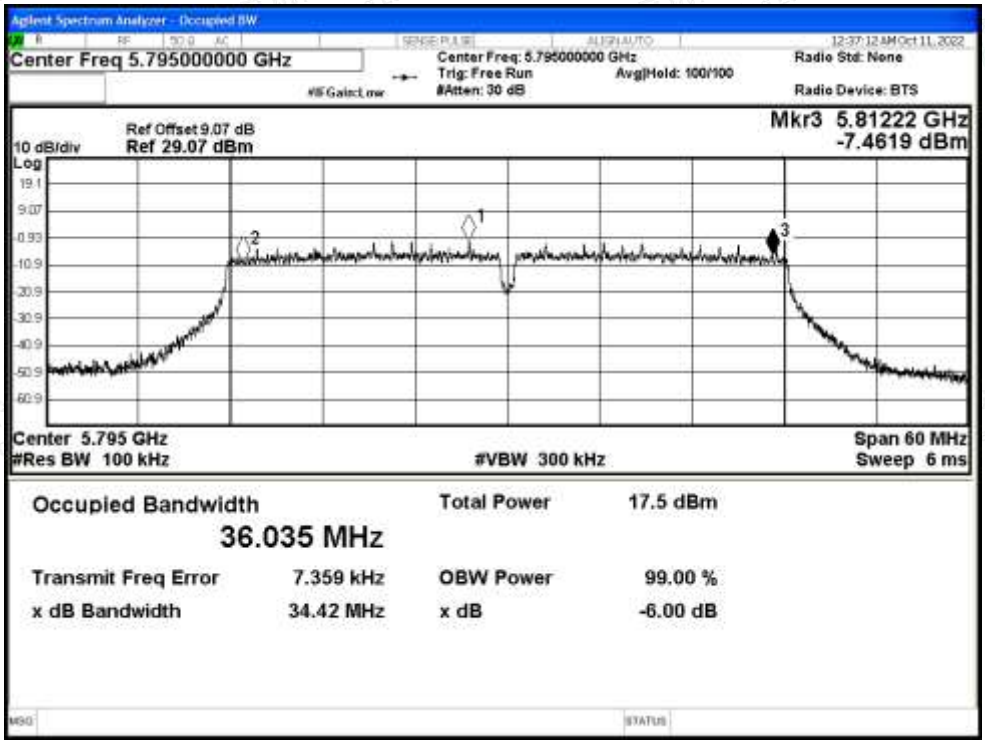
-6dB Bandwidth NVNT ac20 5825MHz Ant0



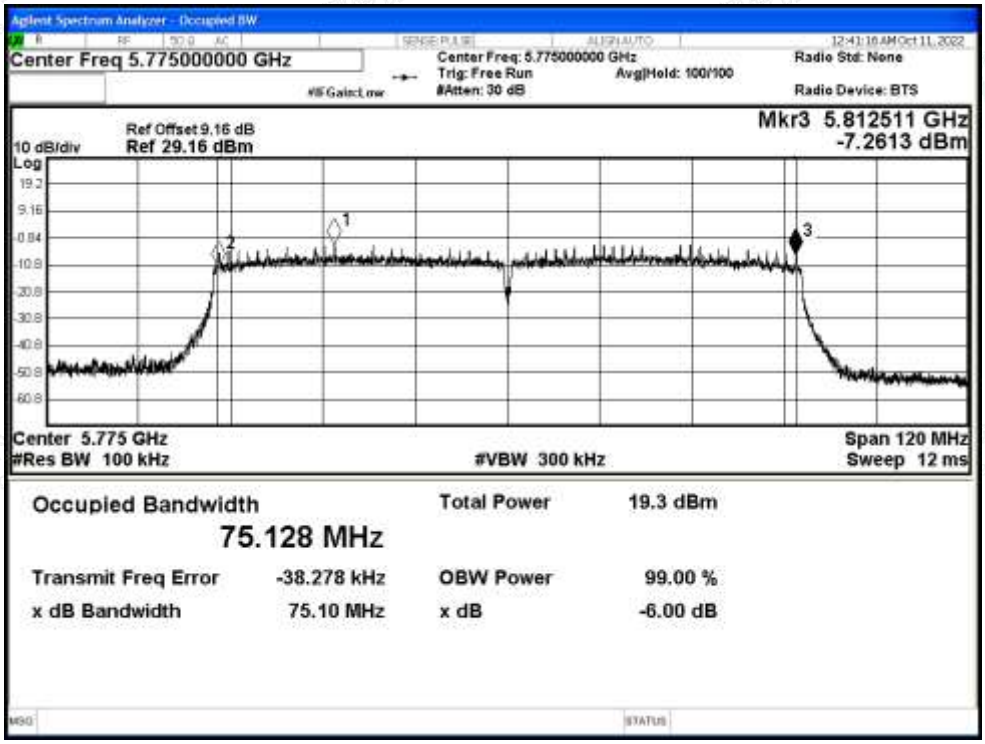
-6dB Bandwidth NVNT ac40 5755MHz Ant0



-6dB Bandwidth NVNT ac40 5795MHz Ant0



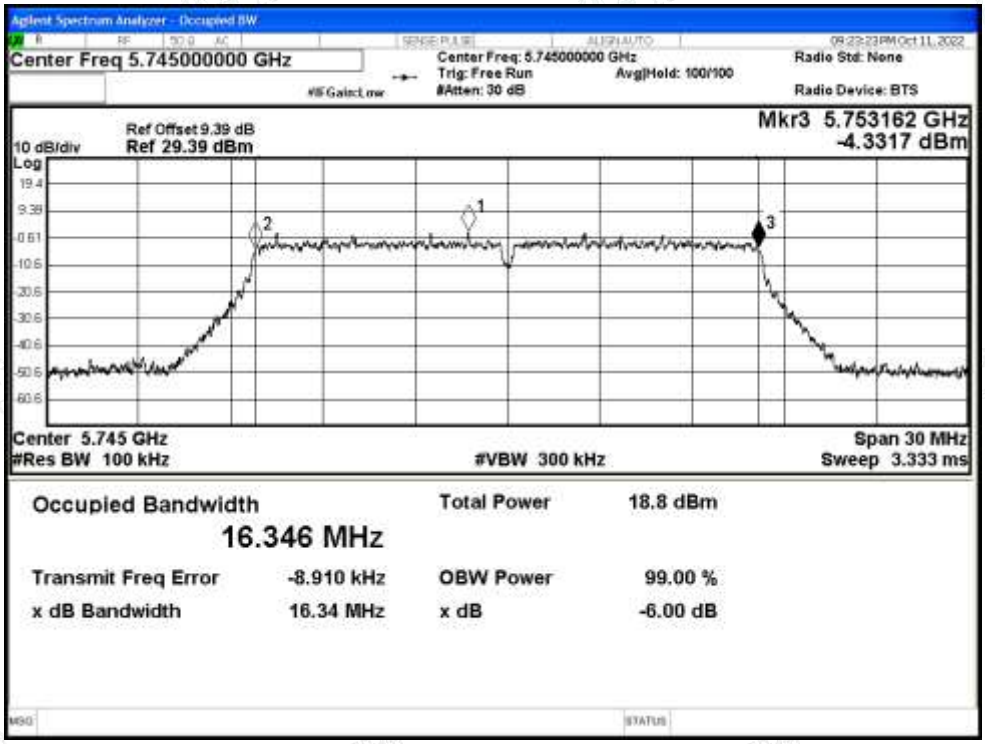
-6dB Bandwidth NVNT ac80 5775MHz Ant0



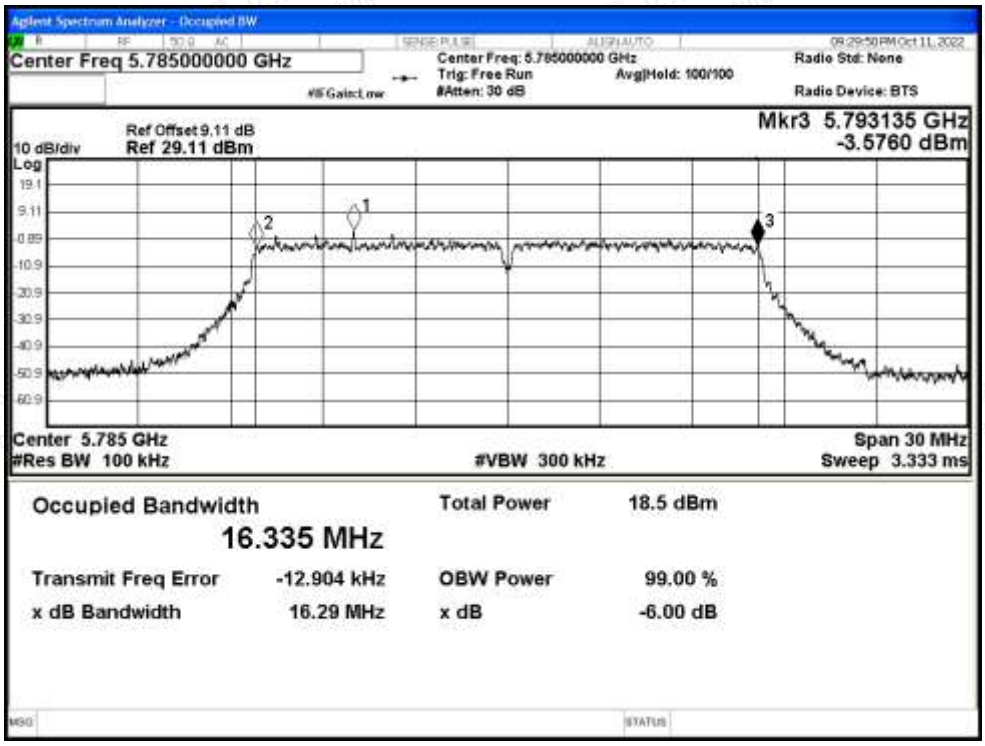
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.342	>=0.5	Pass
NVNT	a	5785	Ant1	16.295	>=0.5	Pass
NVNT	a	5825	Ant1	16.342	>=0.5	Pass
NVNT	n20	5745	Ant1	17.548	>=0.5	Pass
NVNT	n20	5785	Ant1	17.559	>=0.5	Pass
NVNT	n20	5825	Ant1	17.559	>=0.5	Pass
NVNT	n40	5755	Ant1	35.125	>=0.5	Pass
NVNT	n40	5795	Ant1	35.397	>=0.5	Pass
NVNT	ac20	5745	Ant1	17.564	>=0.5	Pass
NVNT	ac20	5785	Ant1	17.214	>=0.5	Pass
NVNT	ac20	5825	Ant1	17.522	>=0.5	Pass
NVNT	ac40	5755	Ant1	35.309	>=0.5	Pass
NVNT	ac40	5795	Ant1	35.112	>=0.5	Pass
NVNT	ac80	5775	Ant1	75.122	>=0.5	Pass

Test Graphs

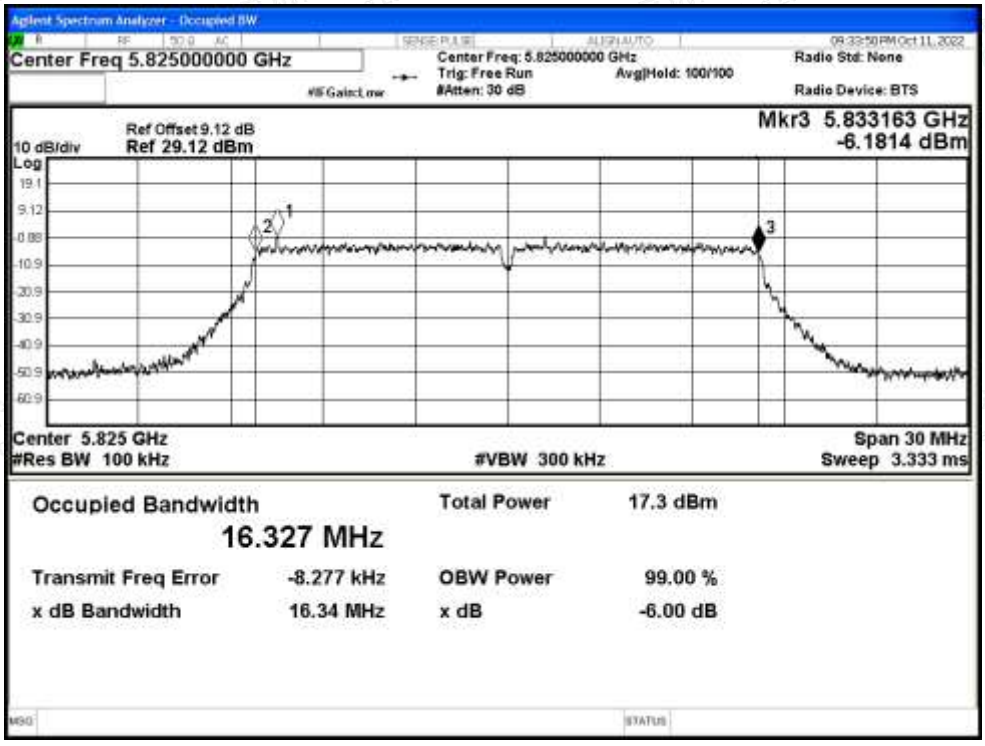
-6dB Bandwidth NVNT a 5745MHz Ant1



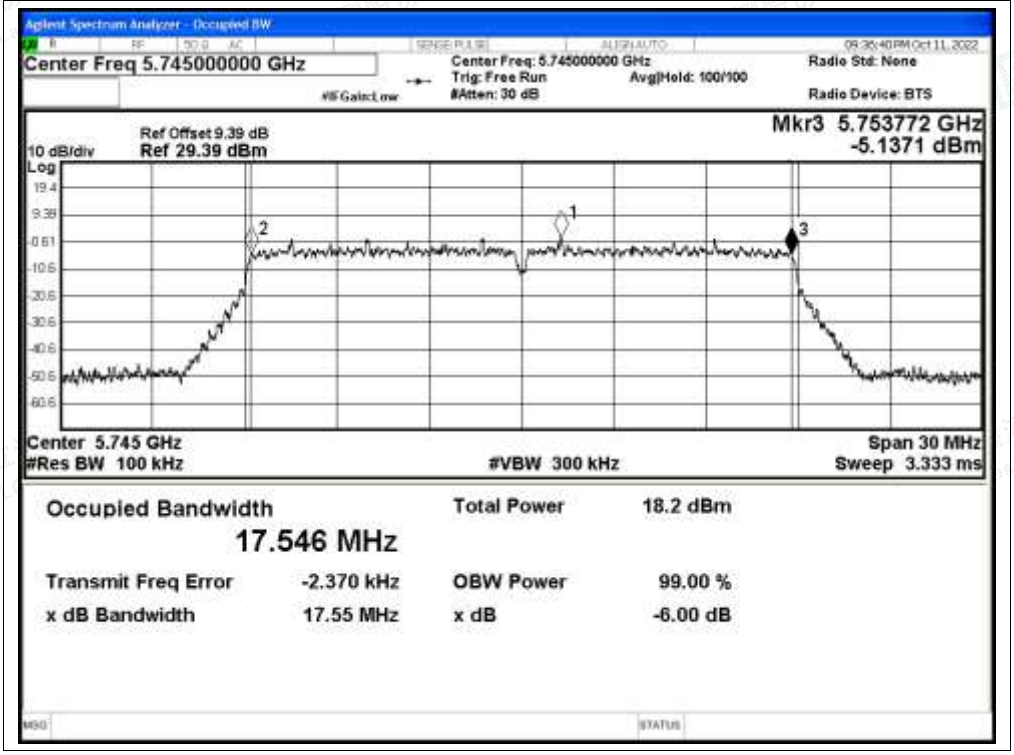
-6dB Bandwidth NVNT a 5785MHz Ant1



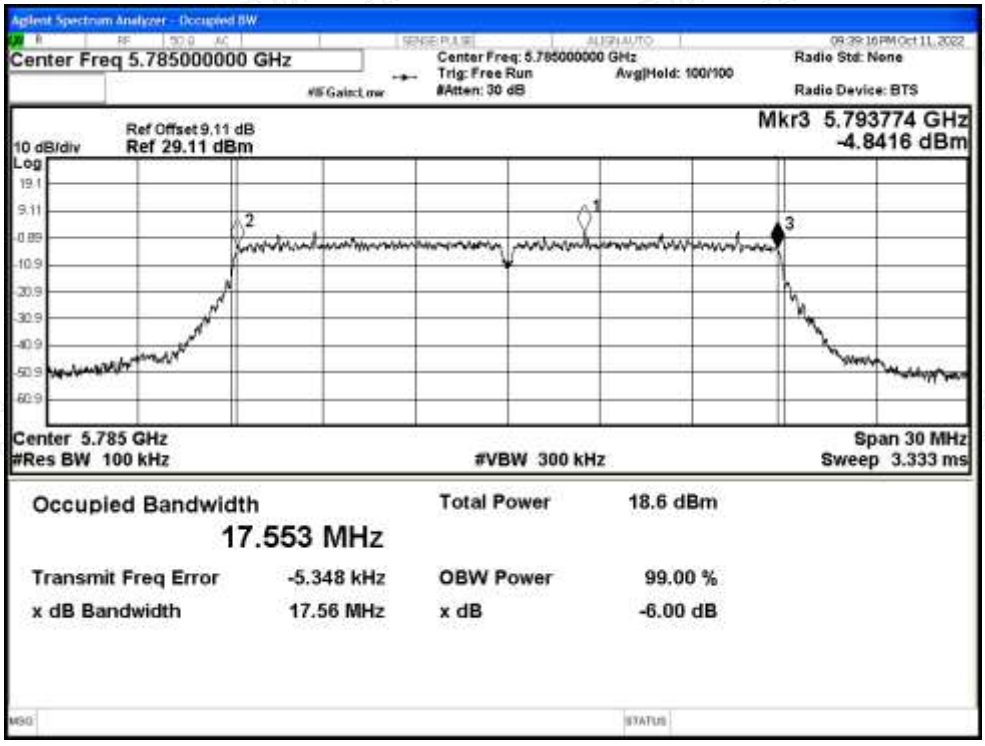
-6dB Bandwidth NVNT a 5825MHz Ant1



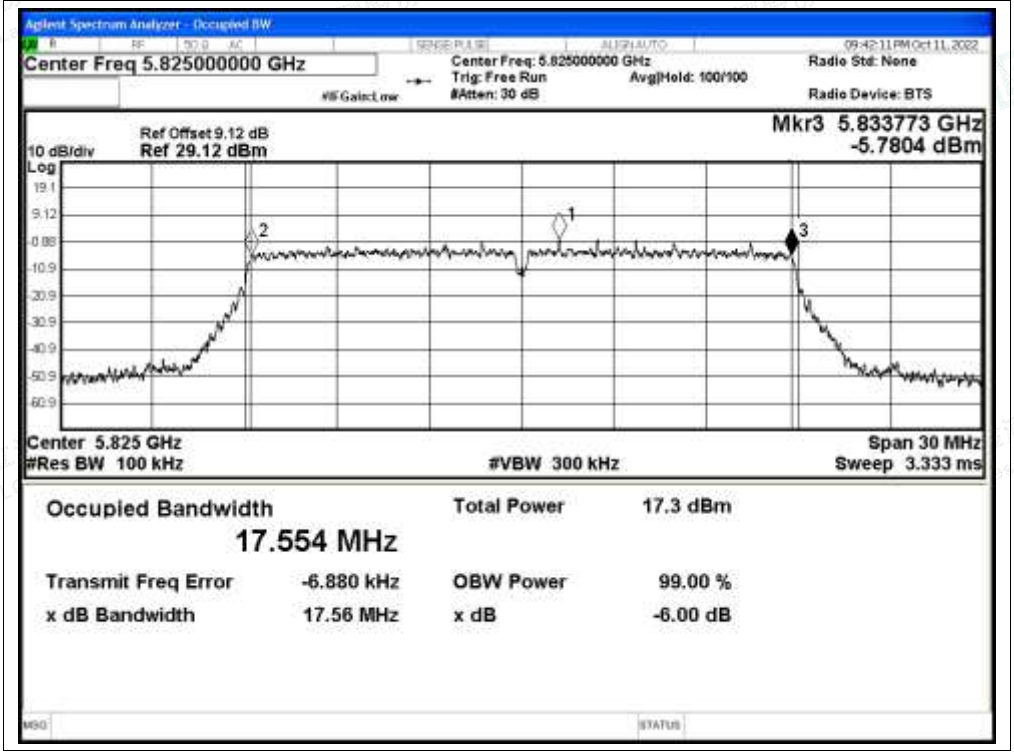
-6dB Bandwidth NVNT n20 5745MHz Ant1



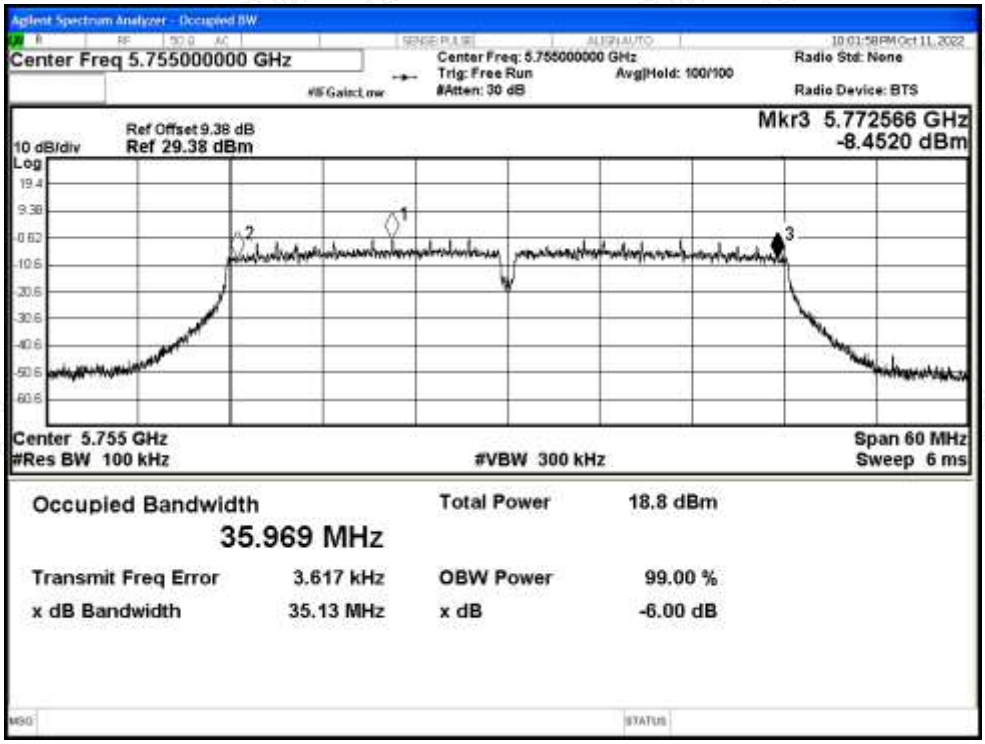
-6dB Bandwidth NVNT n20 5785MHz Ant1



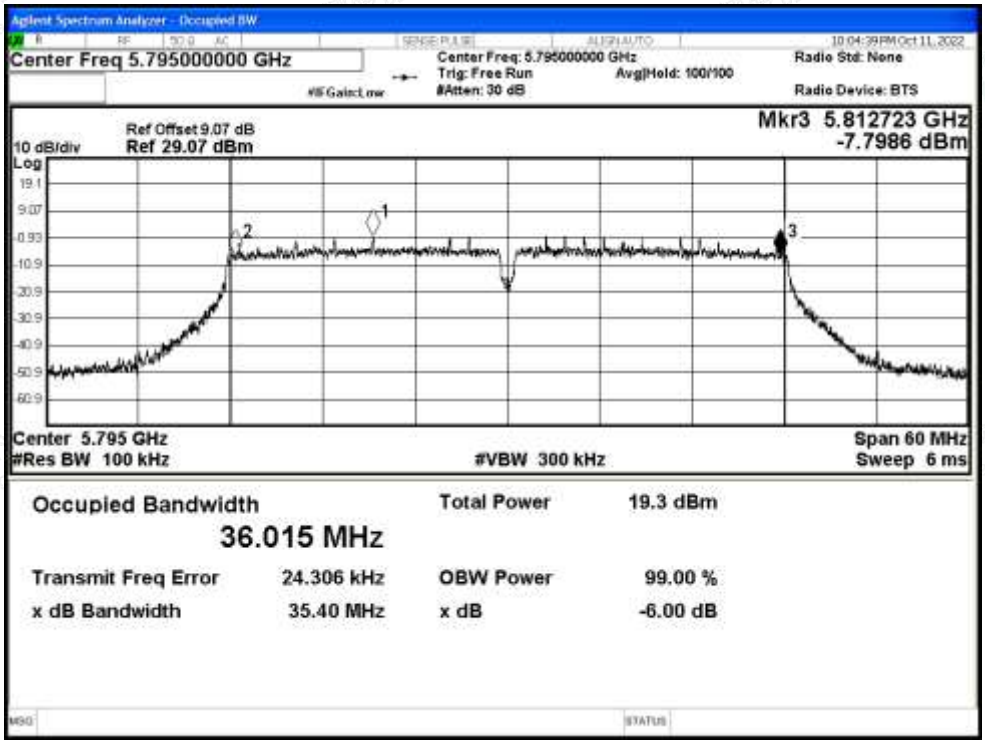
-6dB Bandwidth NVNT n20 5825MHz Ant1



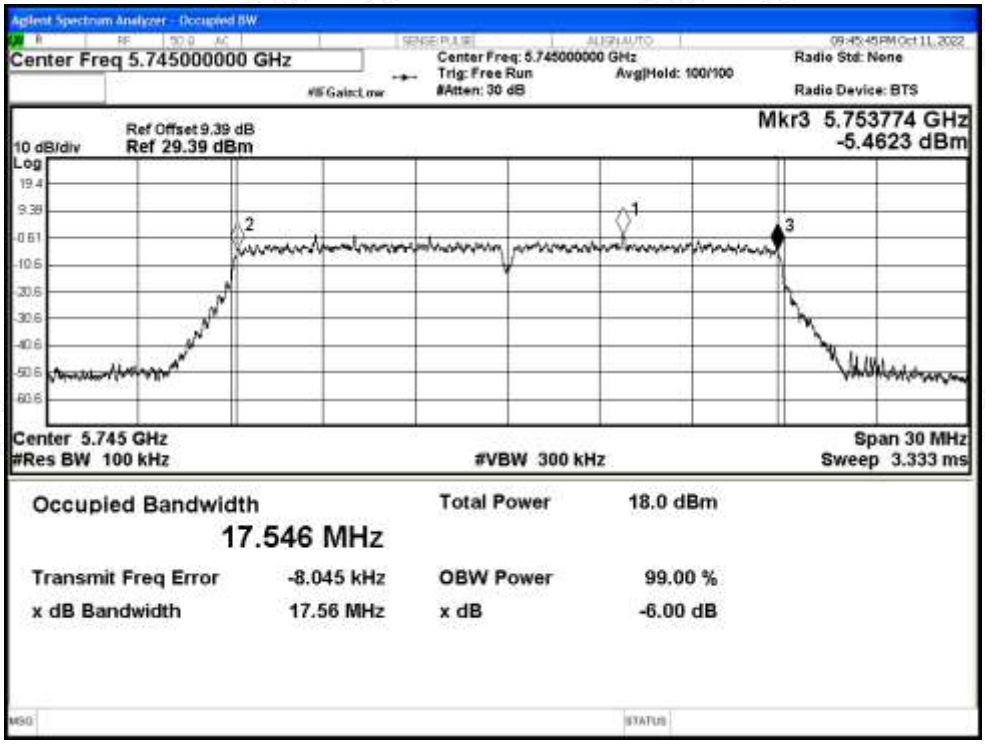
-6dB Bandwidth NVNT n40 5755MHz Ant1



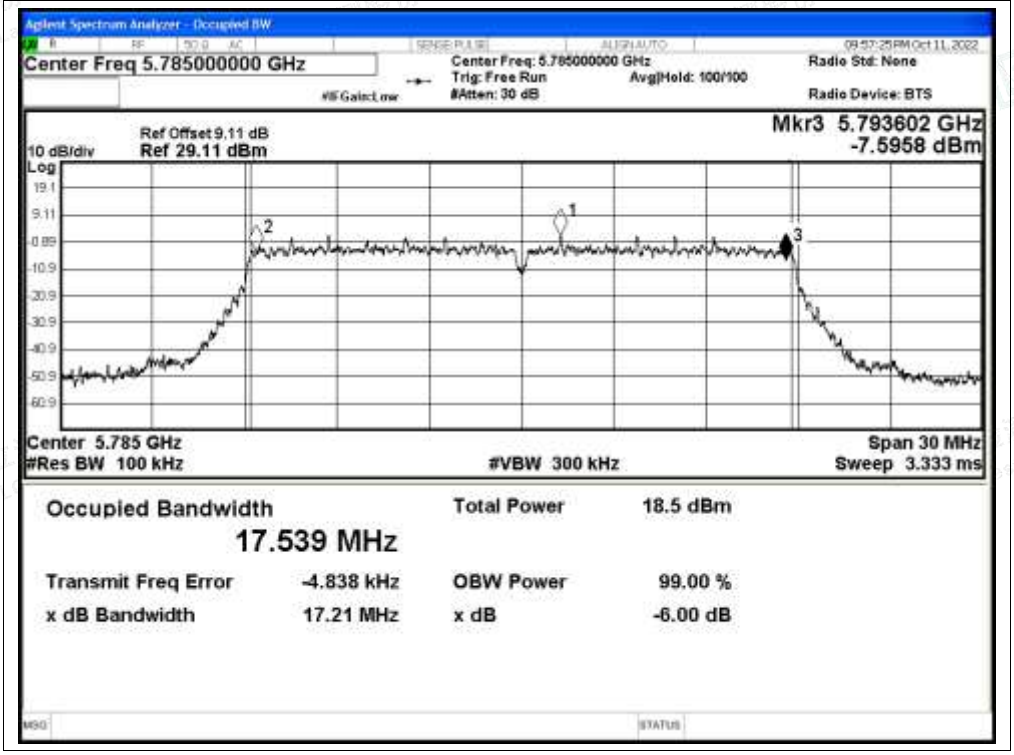
-6dB Bandwidth NVNT n40 5795MHz Ant1



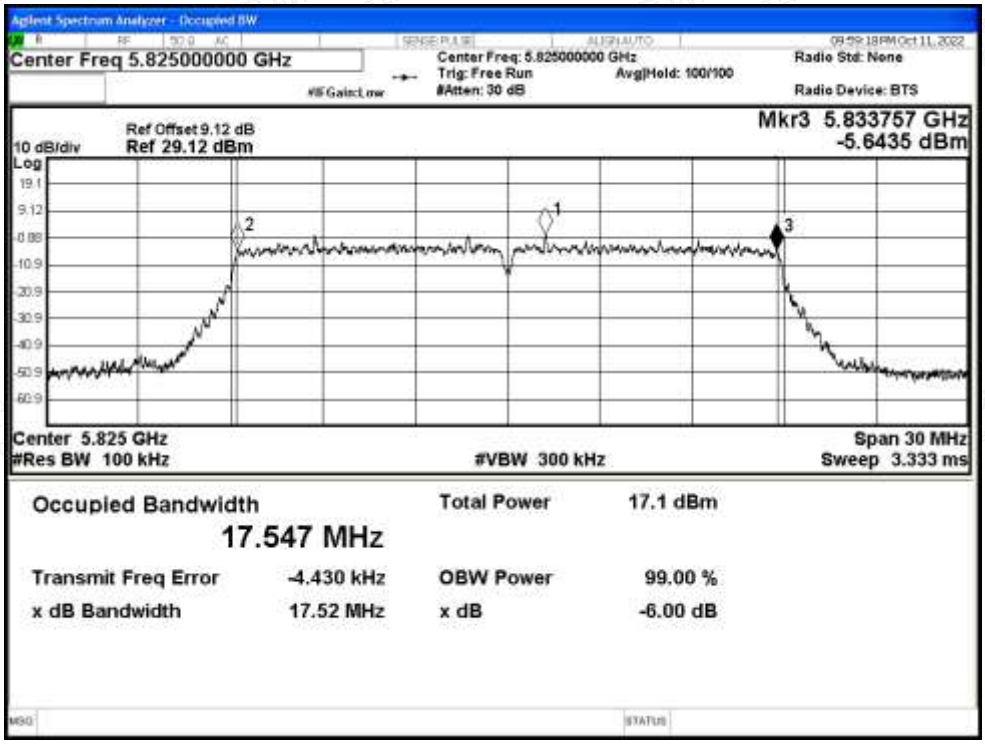
-6dB Bandwidth NVNT ac20 5745MHz Ant1



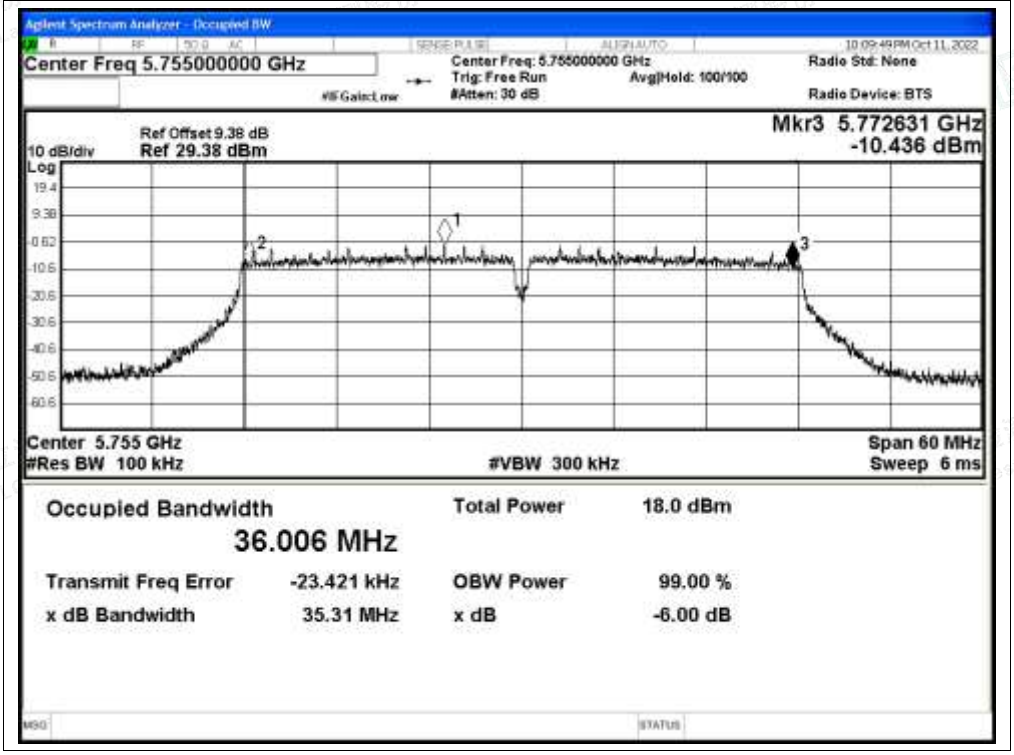
-6dB Bandwidth NVNT ac20 5785MHz Ant1



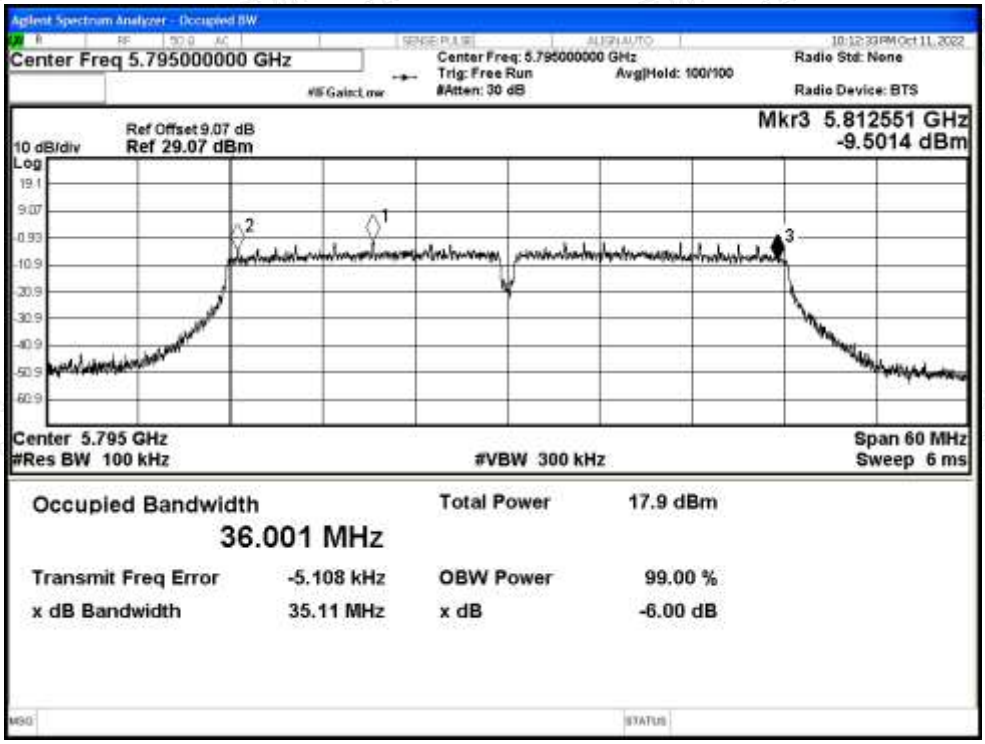
-6dB Bandwidth NVNT ac20 5825MHz Ant1



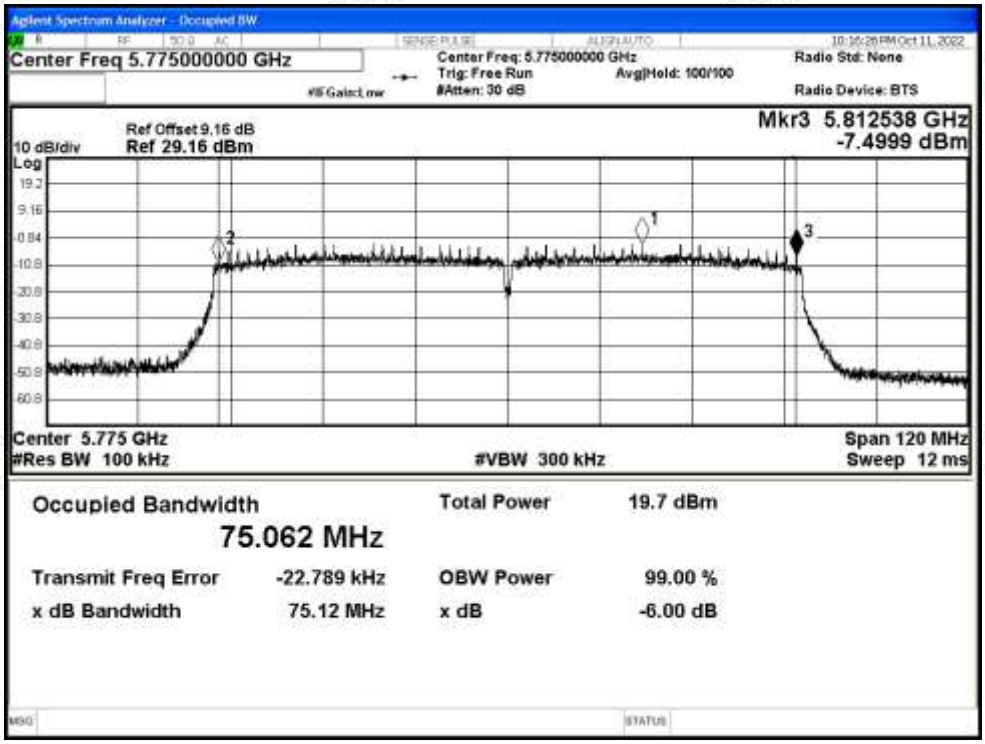
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1



C.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	Ant0	10.54	0.29	10.83	30	Pass
NVNT	a	5785	Ant0	8.66	0.52	9.18	30	Pass
NVNT	a	5825	Ant0	9.05	0.34	9.39	30	Pass
NVNT	n20	5745	Ant0	10.55	0.42	10.97	30	Pass
NVNT	n20	5785	Ant0	10.93	0.25	11.18	30	Pass
NVNT	n20	5825	Ant0	9.12	0.55	9.67	30	Pass
NVNT	n40	5755	Ant0	10.35	0.39	10.74	30	Pass
NVNT	n40	5795	Ant0	10.5	1.1	11.6	30	Pass
NVNT	ac20	5745	Ant0	10.55	0.36	10.91	30	Pass
NVNT	ac20	5785	Ant0	10.38	0.36	10.74	30	Pass
NVNT	ac20	5825	Ant0	9.05	0.39	9.44	30	Pass
NVNT	ac40	5755	Ant0	9.82	0.43	10.25	30	Pass
NVNT	ac40	5795	Ant0	9.52	0.49	10.01	30	Pass
NVNT	ac80	5775	Ant0	10.23	1.9	12.13	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.5	0.37	11.87	30	Pass
NVNT	a	5785	Ant1	11.14	0.55	11.69	30	Pass
NVNT	a	5825	Ant1	9.84	0.34	10.18	30	Pass
NVNT	n20	5745	Ant1	10.47	0.28	10.75	30	Pass
NVNT	n20	5785	Ant1	11.12	0.28	11.4	30	Pass
NVNT	n20	5825	Ant1	10.02	0.22	10.24	30	Pass
NVNT	n40	5755	Ant1	10.58	0.71	11.29	30	Pass
NVNT	n40	5795	Ant1	11.21	0.7	11.91	30	Pass
NVNT	ac20	5745	Ant1	10.57	0.25	10.82	30	Pass
NVNT	ac20	5785	Ant1	10.8	0.55	11.35	30	Pass
NVNT	ac20	5825	Ant1	9.85	0.25	10.1	30	Pass
NVNT	ac40	5755	Ant1	9.79	0.64	10.43	30	Pass
NVNT	ac40	5795	Ant1	9.73	0.39	10.12	30	Pass
NVNT	ac80	5775	Ant1	10.77	1.23	12	30	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5745	10.97	10.75	13.87	28.51	Pass
NVNT	n20	5785	11.18	11.4	14.30	28.51	Pass
NVNT	n20	5825	9.67	10.24	12.97	28.51	Pass
NVNT	n40	5755	10.74	11.29	14.03	28.51	Pass
NVNT	n40	5795	11.6	11.91	14.77	28.51	Pass
NVNT	ac20	5745	10.91	10.82	13.88	28.51	Pass
NVNT	ac20	5785	10.74	11.35	14.07	28.51	Pass
NVNT	ac20	5825	9.44	10.1	12.79	28.51	Pass
NVNT	ac40	5755	10.25	10.43	13.35	28.51	Pass
NVNT	ac40	5795	10.01	10.12	13.08	28.51	Pass
NVNT	ac80	5775	12.13	12.00	15.08	28.51	Pass

C.3 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	Ant0	-18.89	0.29	-18.6	30	Pass
NVNT	a	5785	Ant0	-22.02	0.52	-21.5	30	Pass
NVNT	a	5825	Ant0	-24.16	9.55	-14.61	30	Pass
NVNT	n20	5745	Ant0	-22.85	0.42	-22.43	30	Pass
NVNT	n20	5785	Ant0	-21.32	0.25	-21.07	30	Pass
NVNT	n20	5825	Ant0	-22.3	13.87	-8.43	30	Pass
NVNT	n40	5755	Ant0	-24.69	0.39	-24.3	30	Pass
NVNT	n40	5795	Ant0	-24.19	1.1	-23.09	30	Pass
NVNT	ac20	5745	Ant0	-21.05	0.36	-20.69	30	Pass
NVNT	ac20	5785	Ant0	-21.26	0.36	-20.9	30	Pass
NVNT	ac20	5825	Ant0	-22.31	0.39	-21.92	30	Pass
NVNT	ac40	5755	Ant0	-26.16	0.43	-25.73	30	Pass
NVNT	ac40	5795	Ant0	-24.25	0.49	-23.76	30	Pass
NVNT	ac80	5775	Ant0	-27.95	1.9	-26.05	30	Pass

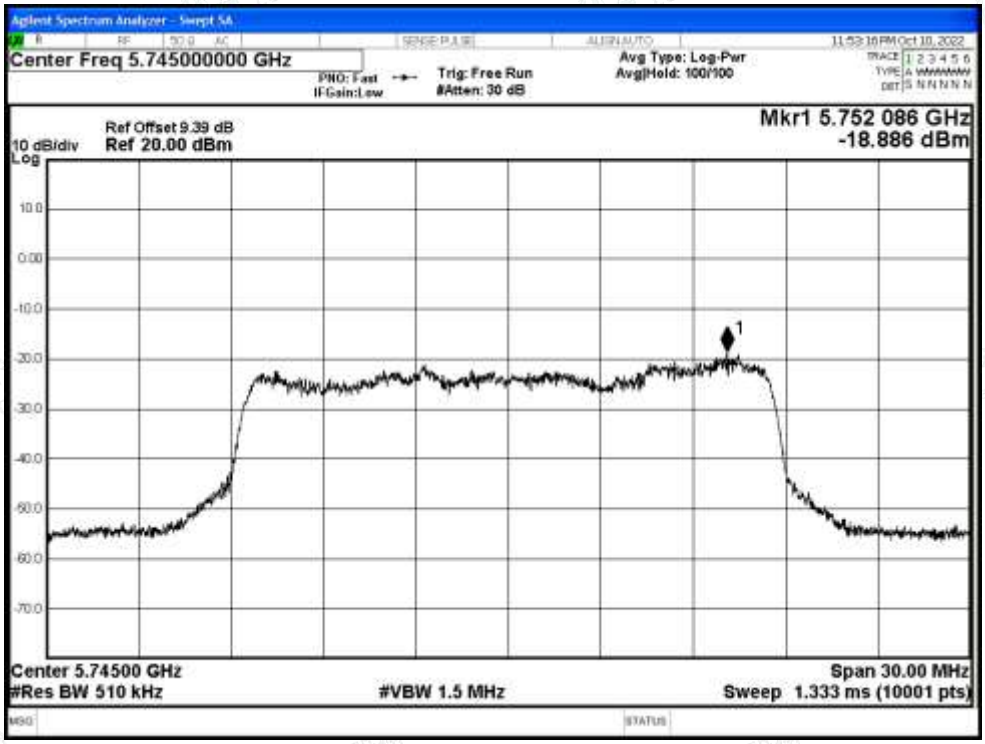
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-19.79	0.37	-19.42	30	Pass
NVNT	a	5785	Ant1	-21.08	0.55	-20.53	30	Pass
NVNT	a	5825	Ant1	-20.66	0.34	-20.32	30	Pass
NVNT	n20	5745	Ant1	-22.24	0.28	-21.96	30	Pass
NVNT	n20	5785	Ant1	-20.31	0.28	-20.03	30	Pass
NVNT	n20	5825	Ant1	-21	0.22	-20.78	30	Pass
NVNT	n40	5755	Ant1	-24.04	0.71	-23.33	30	Pass
NVNT	n40	5795	Ant1	-25.26	0.7	-24.56	30	Pass
NVNT	ac20	5745	Ant1	-20.94	0.25	-20.69	30	Pass
NVNT	ac20	5785	Ant1	-20.98	0.55	-20.43	30	Pass
NVNT	ac20	5825	Ant1	-22.34	0.25	-22.09	30	Pass
NVNT	ac40	5755	Ant1	-23.74	0.64	-23.1	30	Pass
NVNT	ac40	5795	Ant1	-25.59	0.39	-25.2	30	Pass
NVNT	ac80	5775	Ant1	-29.4	19.83	-9.57	30	Pass

MIMO

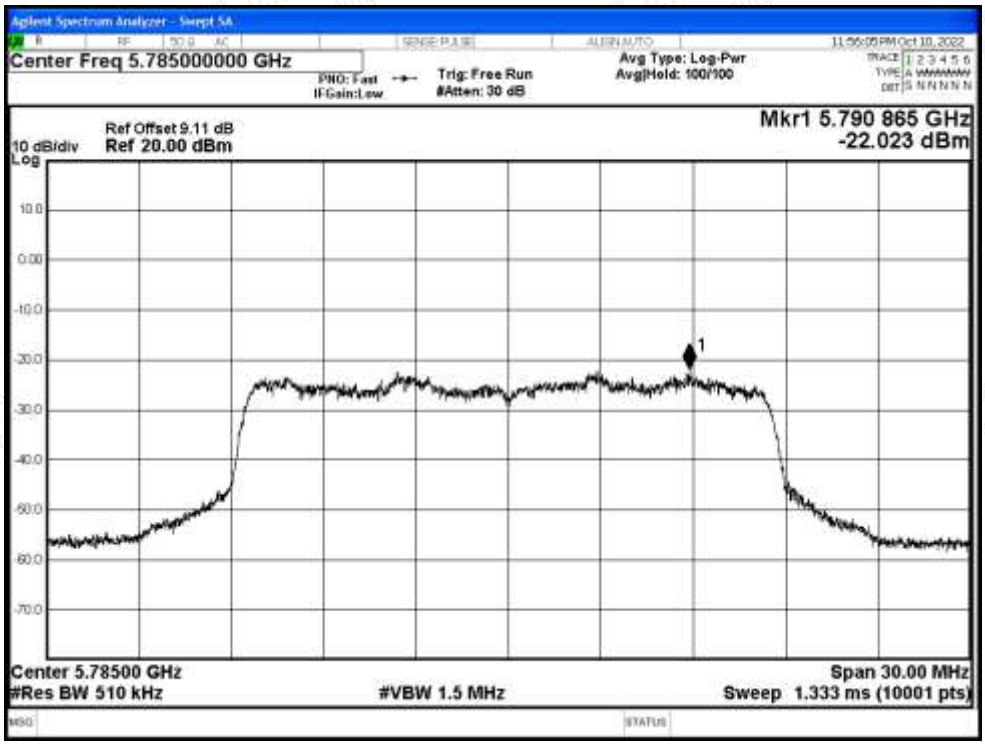
Condition	Mode	Frequency (MHz)	Total PSD (dBm)			Limit	Verdict
			Ant0	Ant1	Ant0+Ant1	(dBm)	
NVNT	n20	5745	-22.43	-21.96	-19.18	28.51	Pass
NVNT	n20	5785	-21.07	-20.03	-17.51	28.51	Pass
NVNT	n20	5825	-8.43	-20.78	-8.18	28.51	Pass
NVNT	n40	5755	-24.3	-23.33	-20.78	28.51	Pass
NVNT	n40	5795	-23.09	-24.56	-20.75	28.51	Pass
NVNT	ac20	5745	-20.69	-20.69	-17.68	28.51	Pass
NVNT	ac20	5785	-20.9	-20.43	-17.65	28.51	Pass
NVNT	ac20	5825	-21.92	-22.09	-18.99	28.51	Pass
NVNT	ac40	5755	-25.73	-23.1	-21.21	28.51	Pass
NVNT	ac40	5795	-23.76	-25.2	-21.41	28.51	Pass
NVNT	ac80	5775	-26.05	-9.57	-9.47	28.51	Pass

Test Graphs

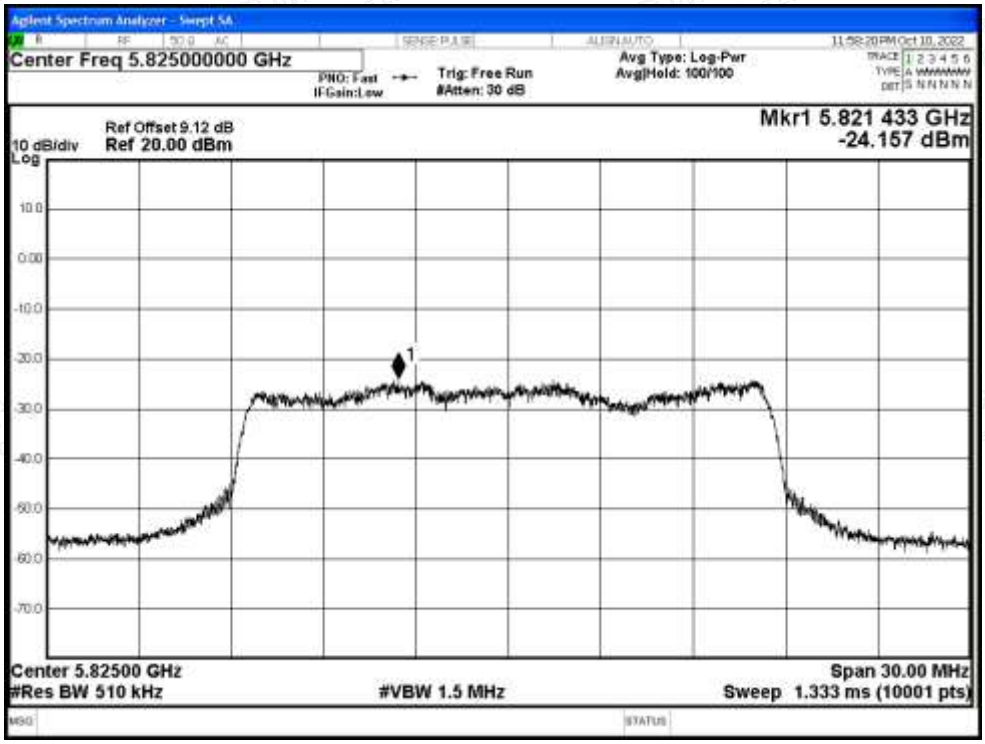
PSD NVNT a 5745MHz Ant0



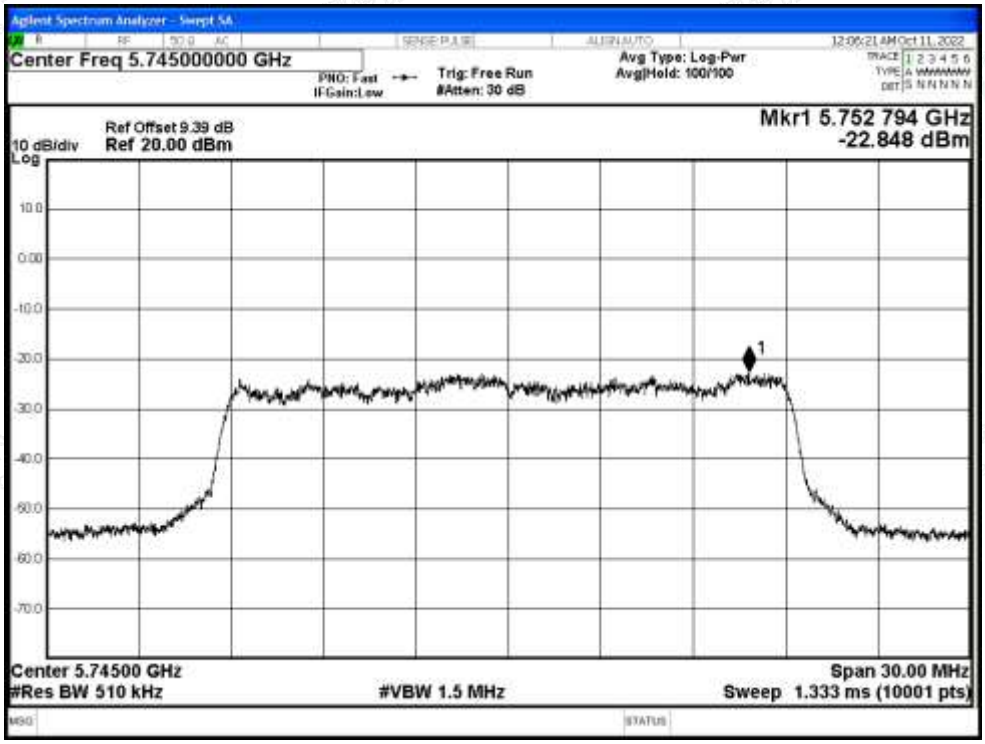
PSD NVNT a 5785MHz Ant0



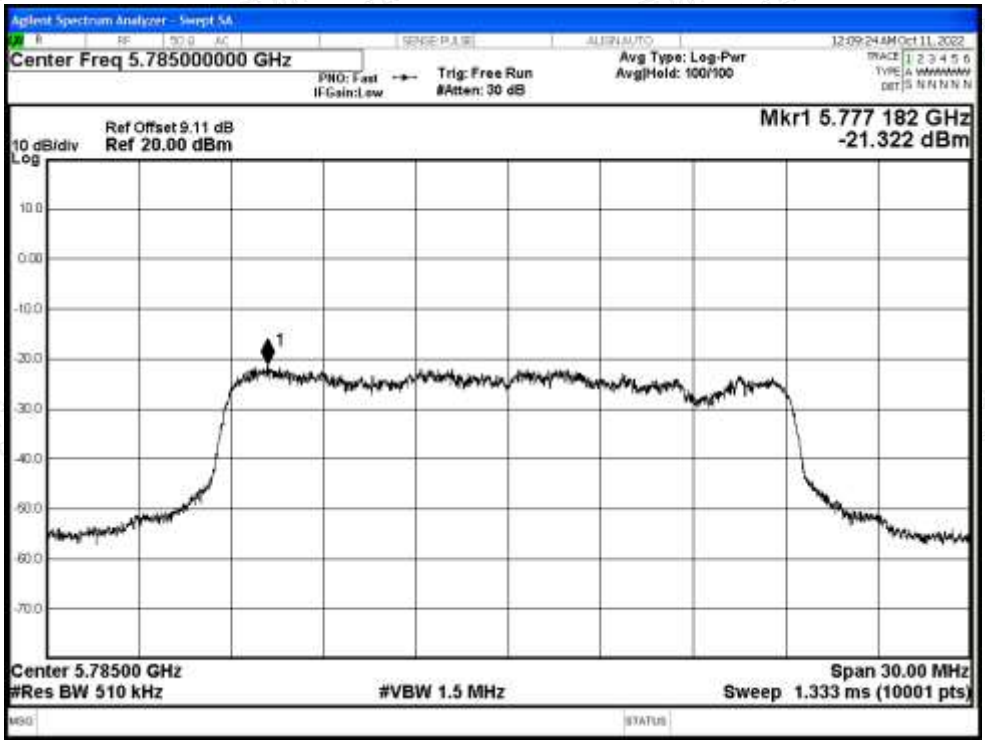
PSD NVNT a 5825MHz Ant0



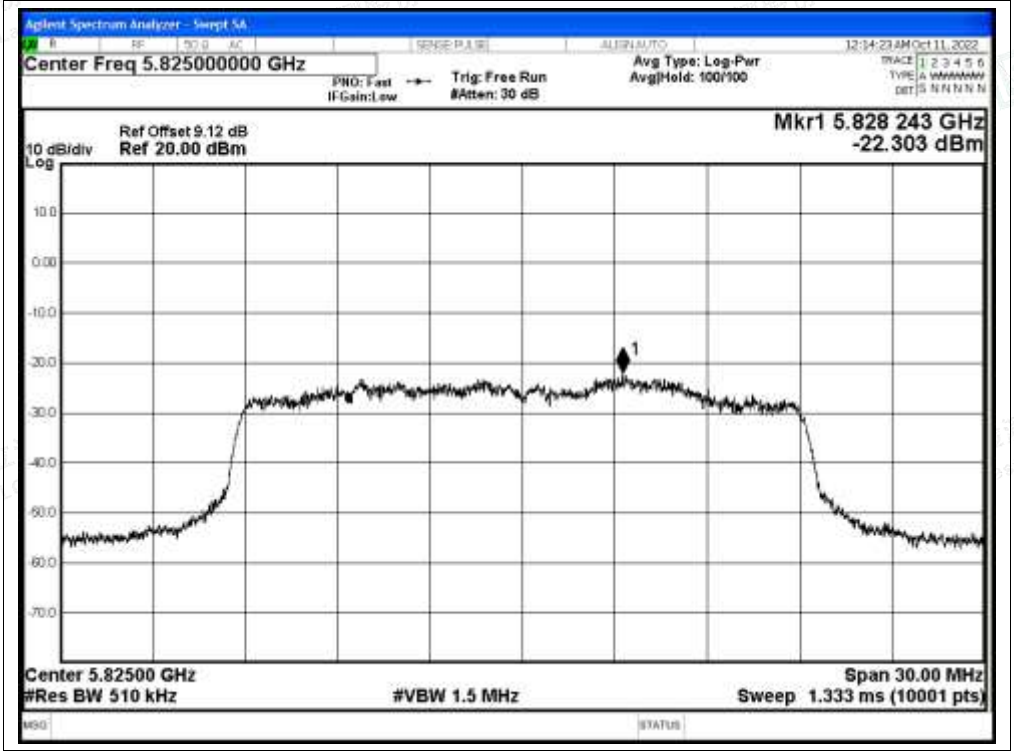
PSD NVNT n20 5745MHz Ant0



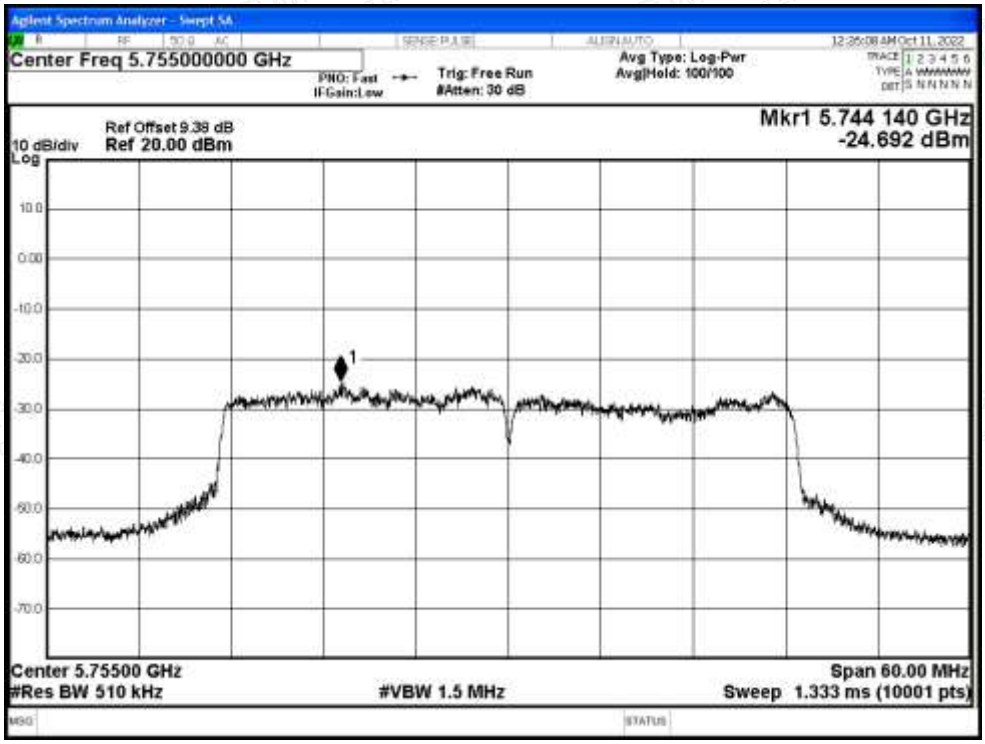
PSD NVNT n20 5785MHz Ant0



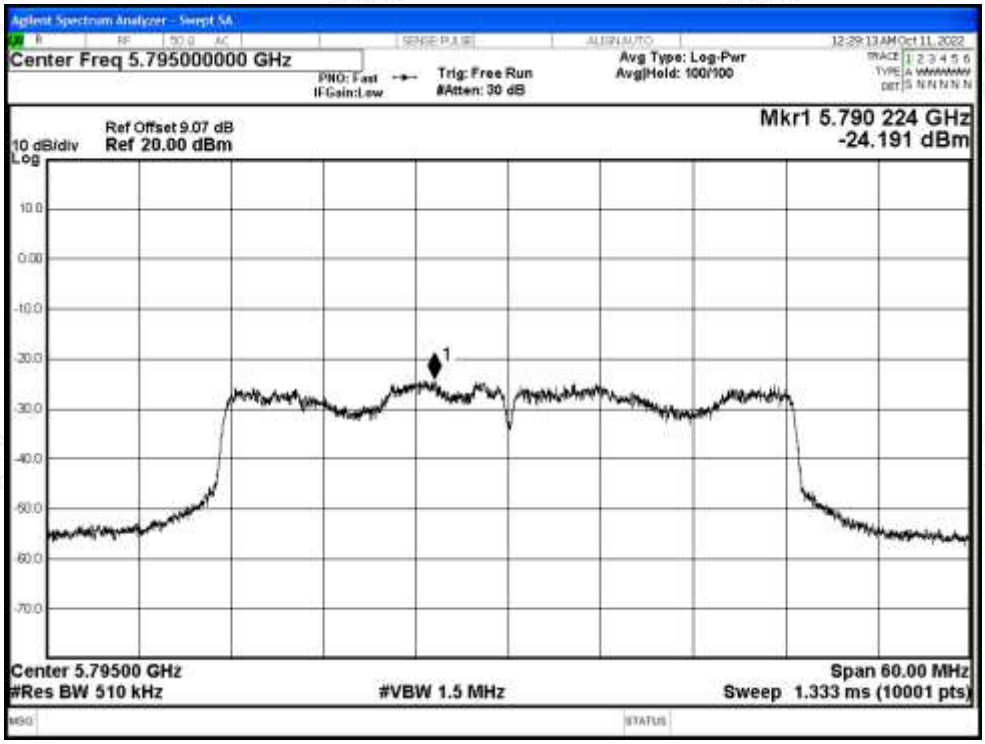
PSD NVNT n20 5825MHz Ant0



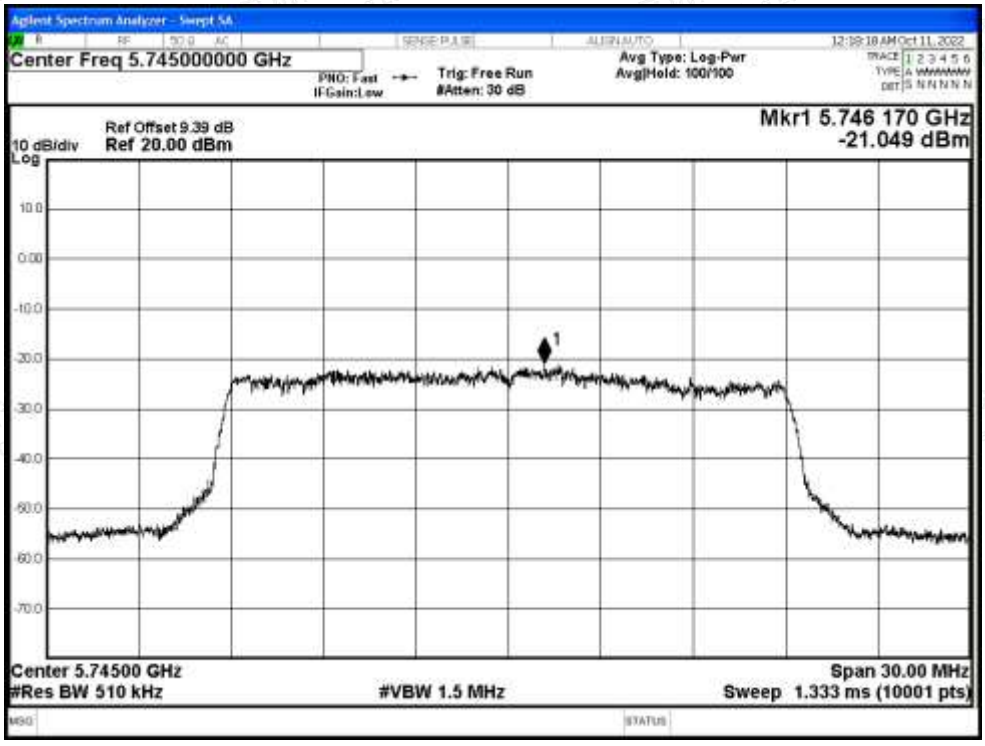
PSD NVNT n40 5755MHz Ant0



PSD NVNT n40 5795MHz Ant0



PSD NVNT ac20 5745MHz Ant0



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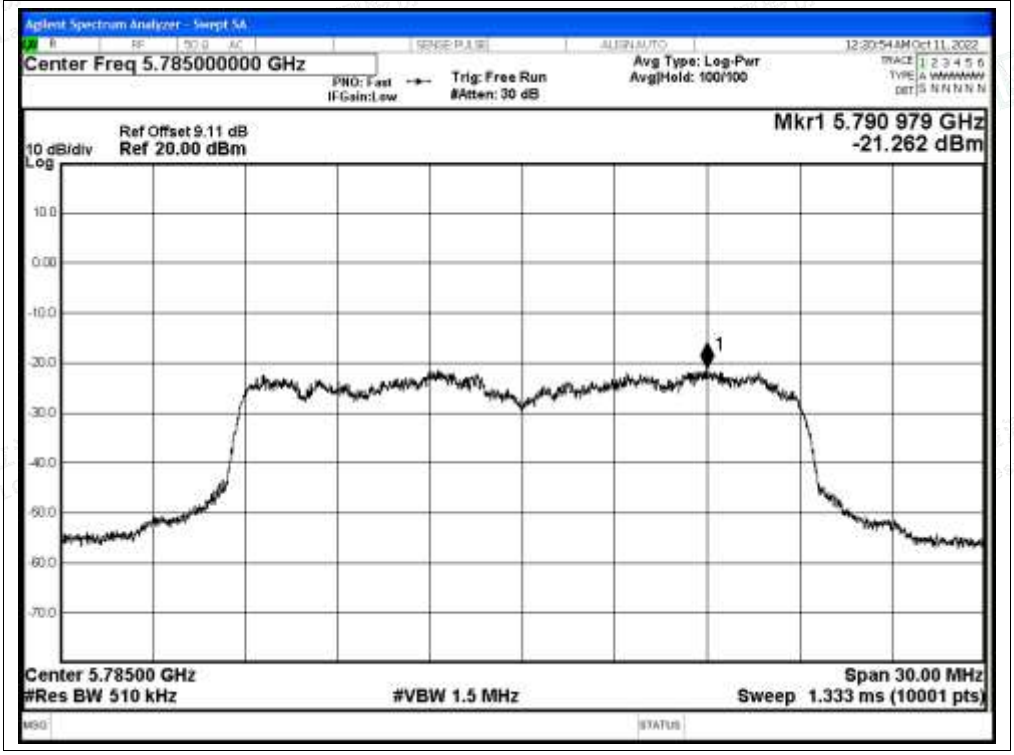

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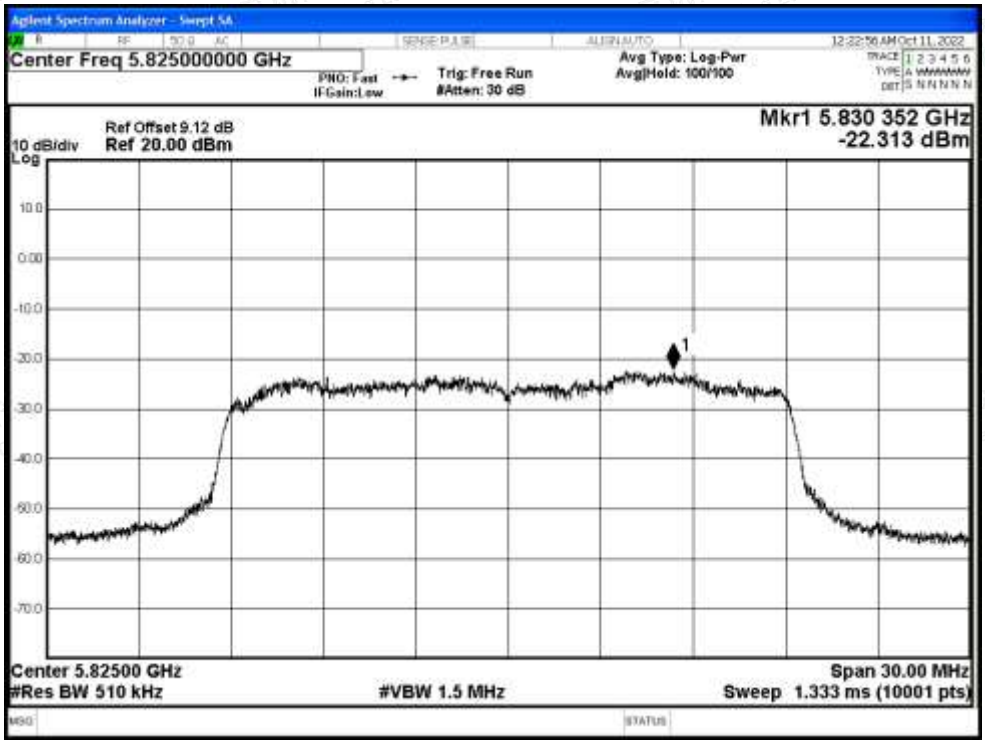

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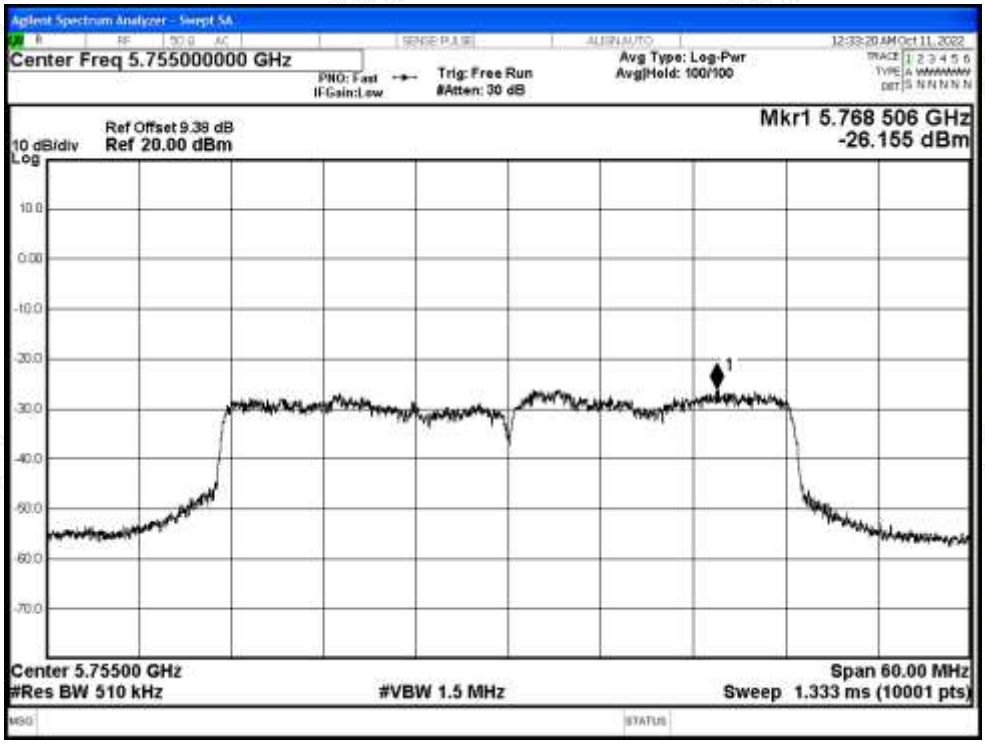
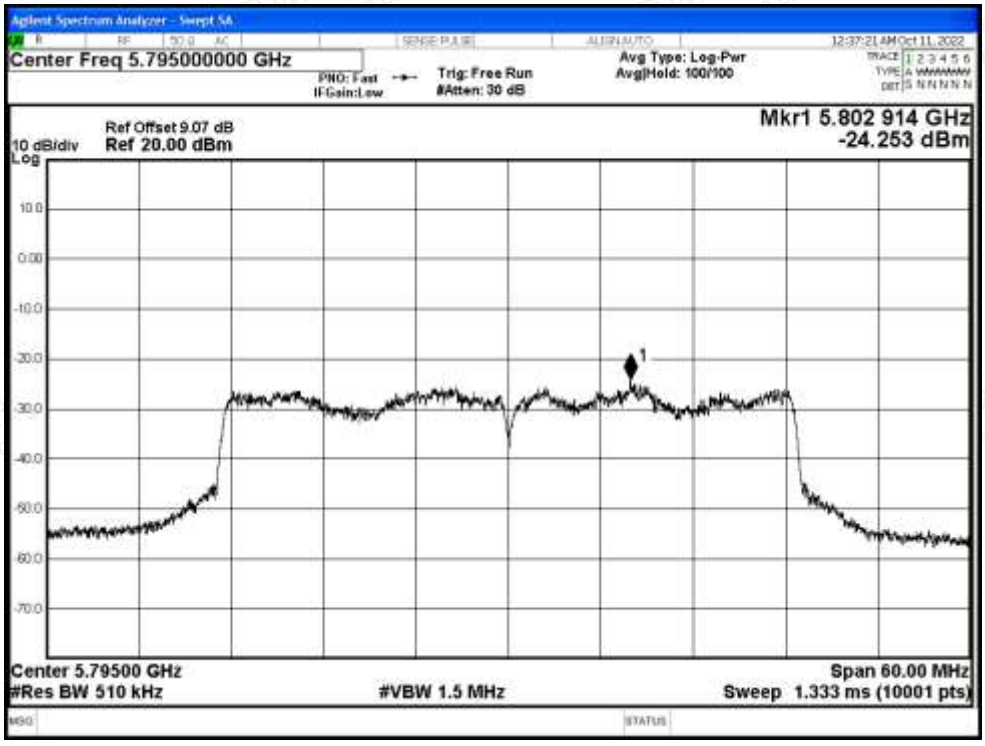
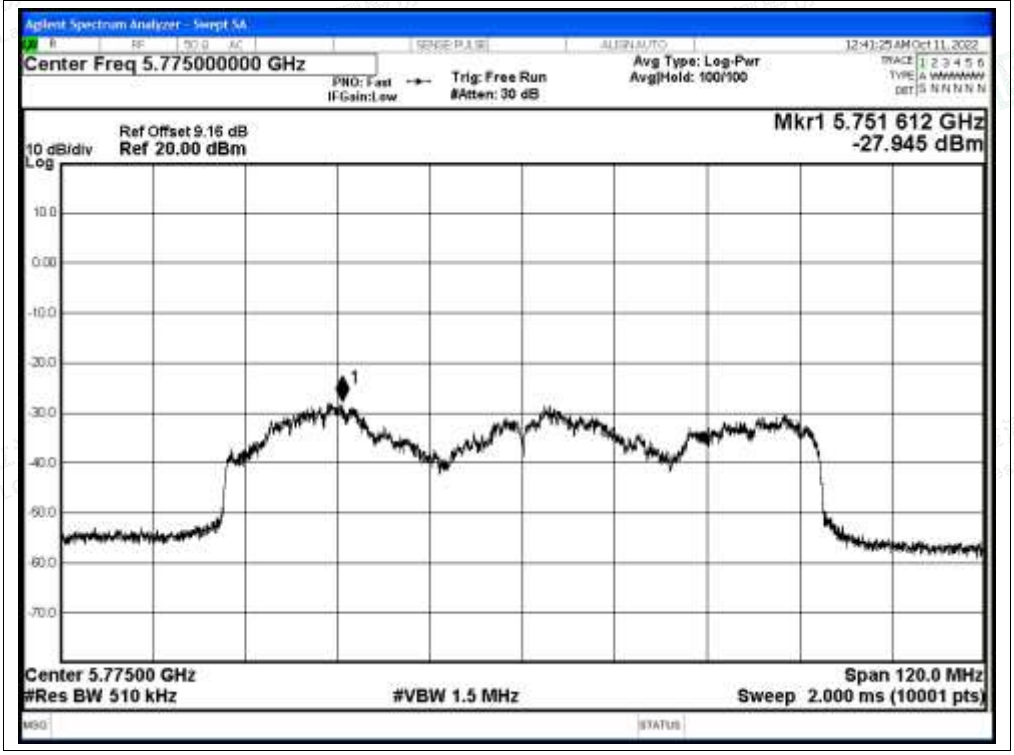


PSD NVNT ac40 5795MHz Ant0

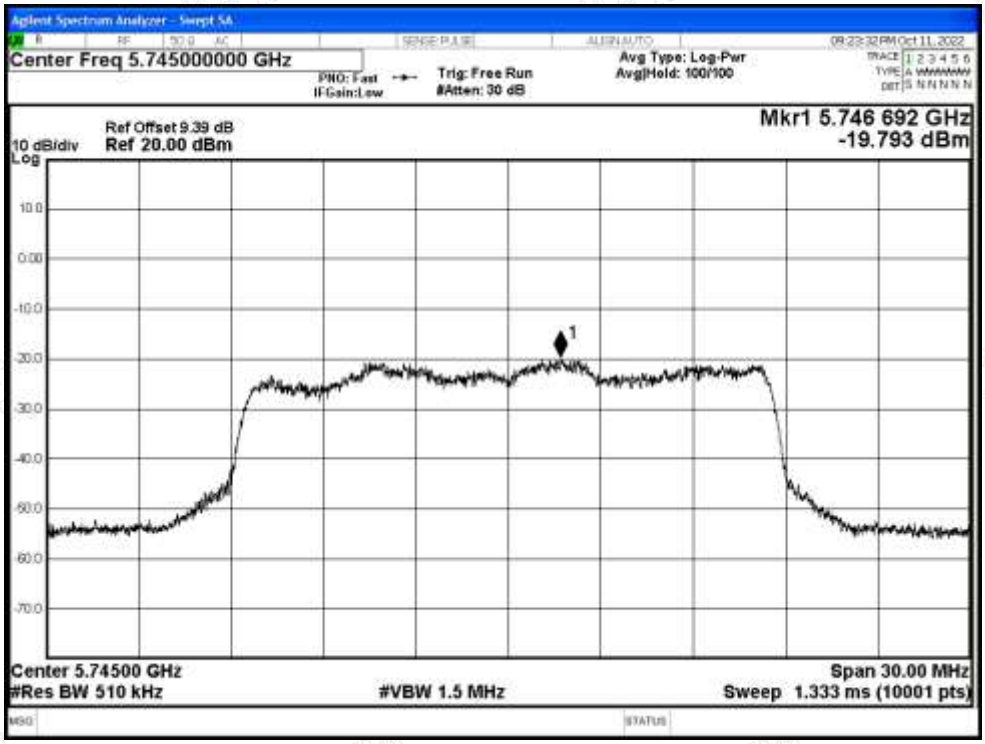


PSD NVNT ac80 5775MHz Ant0

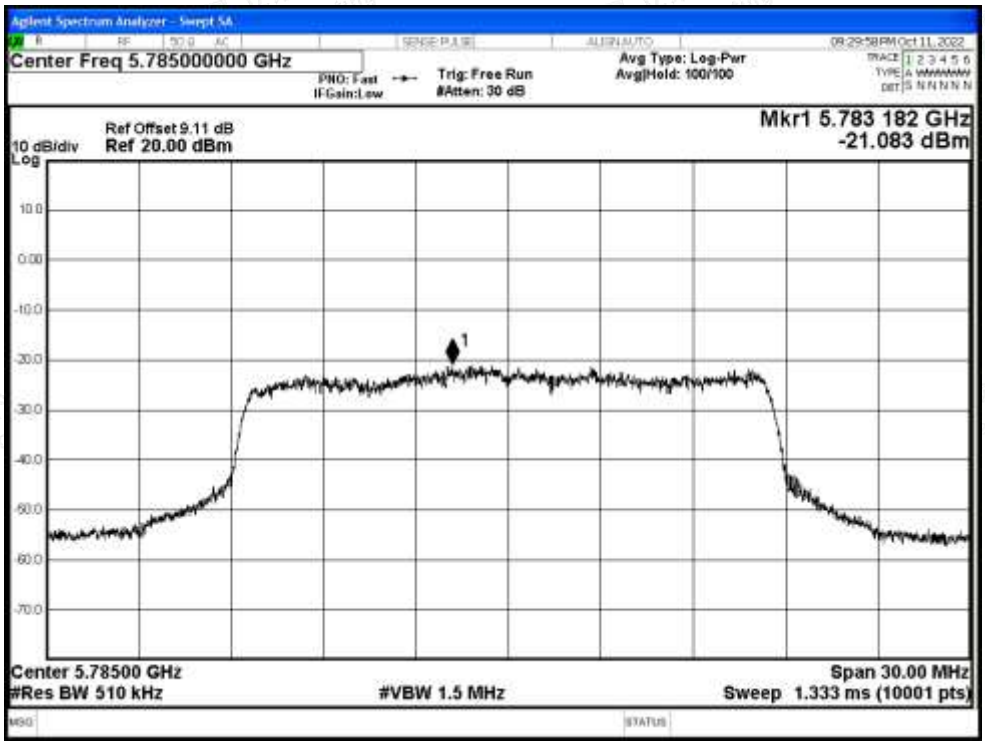


Test Graphs

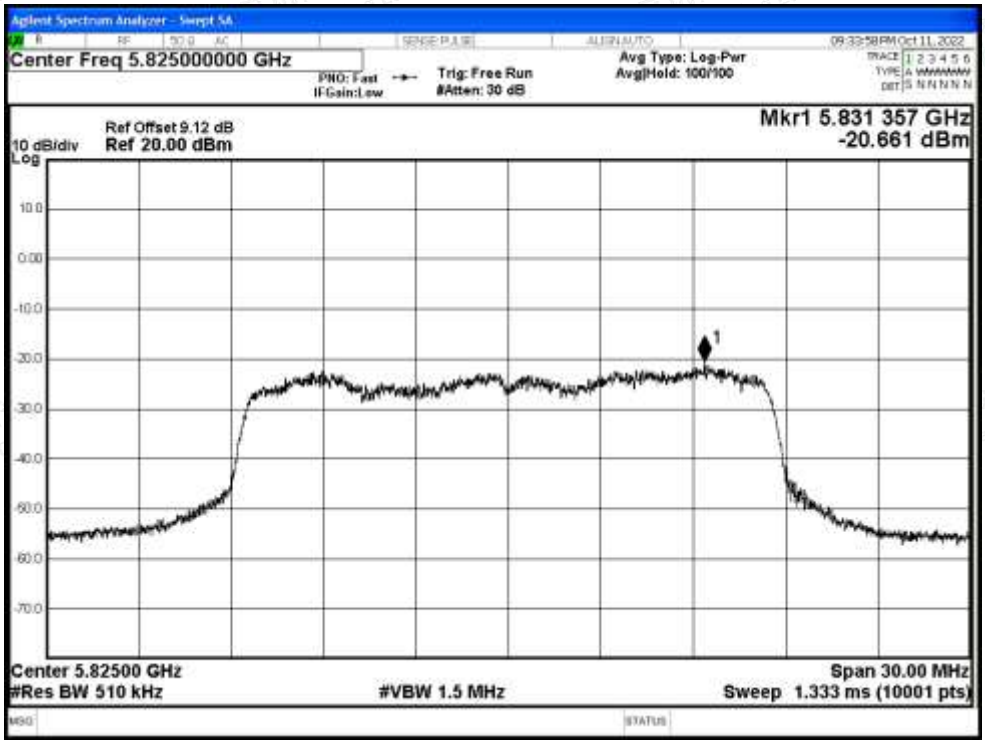
PSD NVNT a 5745MHz Ant1



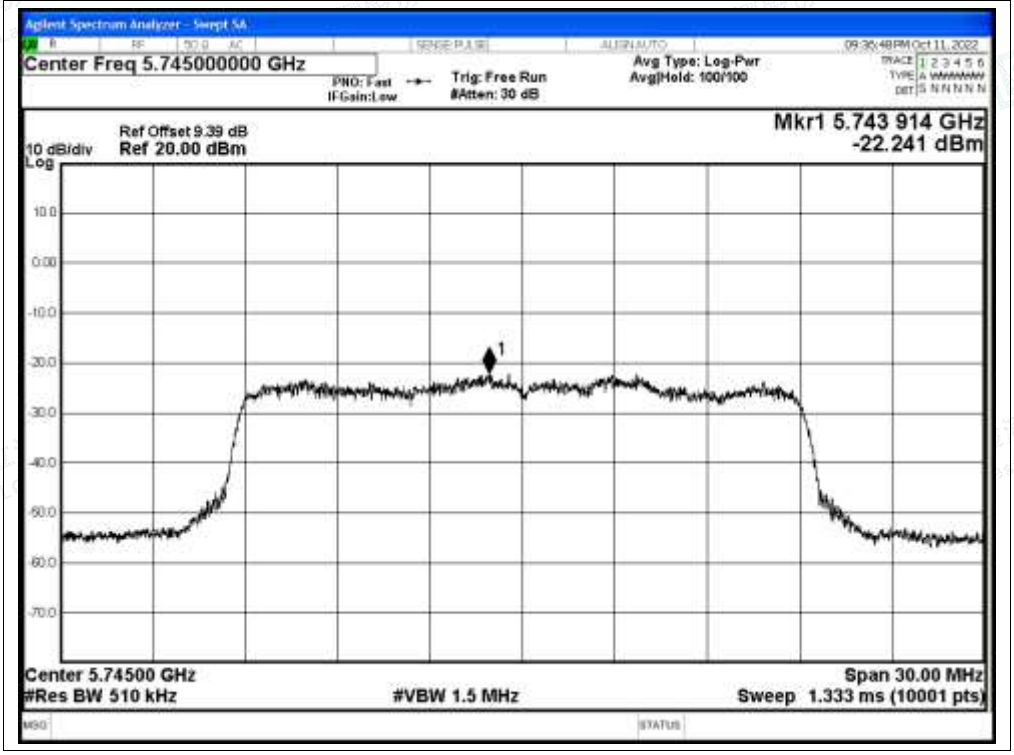
PSD NVNT a 5785MHz Ant1



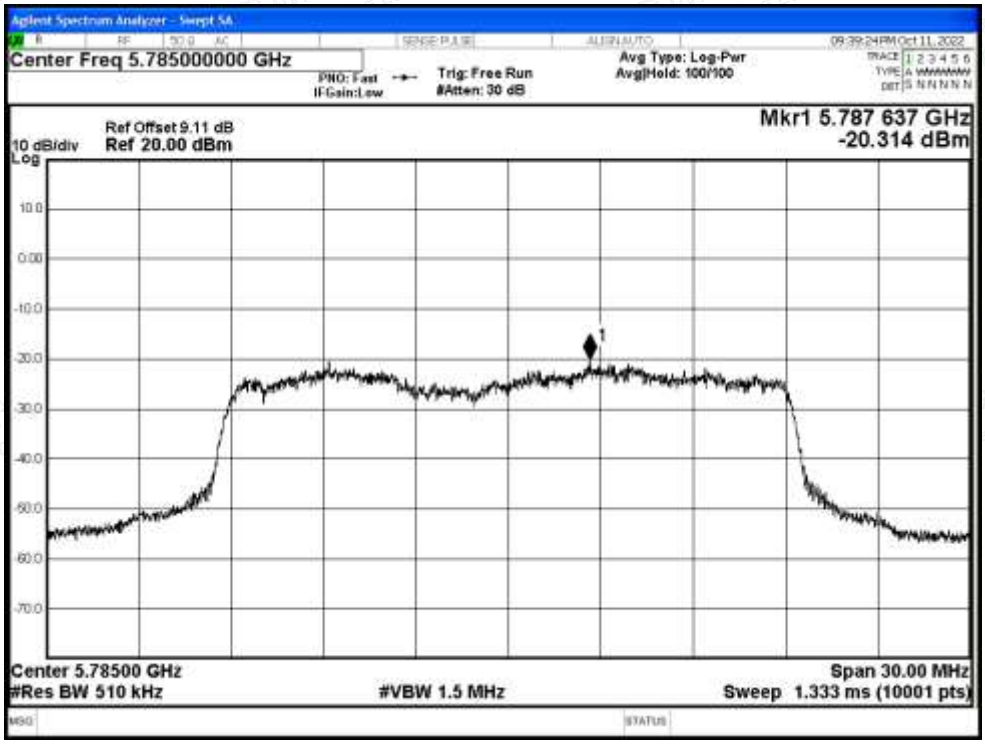
PSD NVNT a 5825MHz Ant1



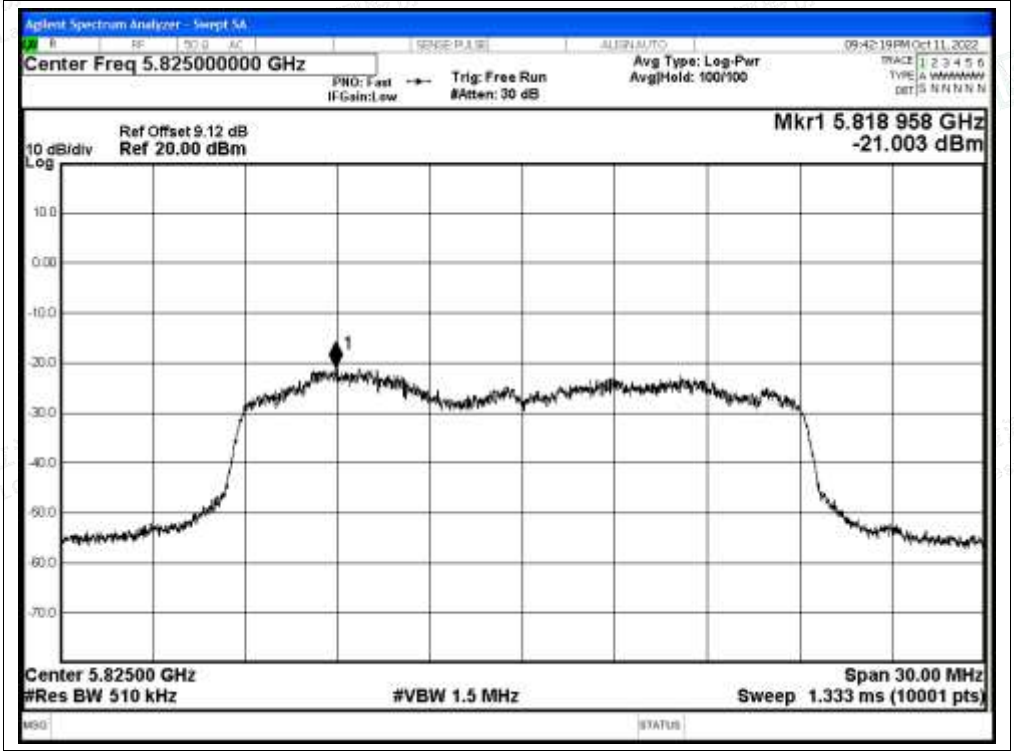
PSD NVNT n20 5745MHz Ant1



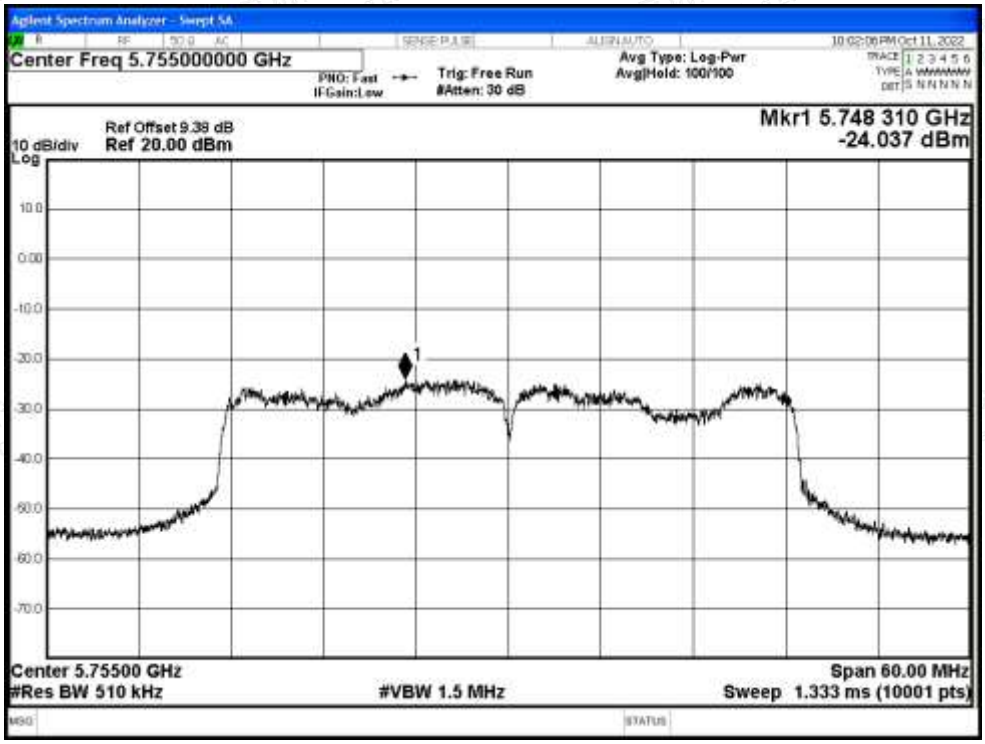
PSD NVNT n20 5785MHz Ant1



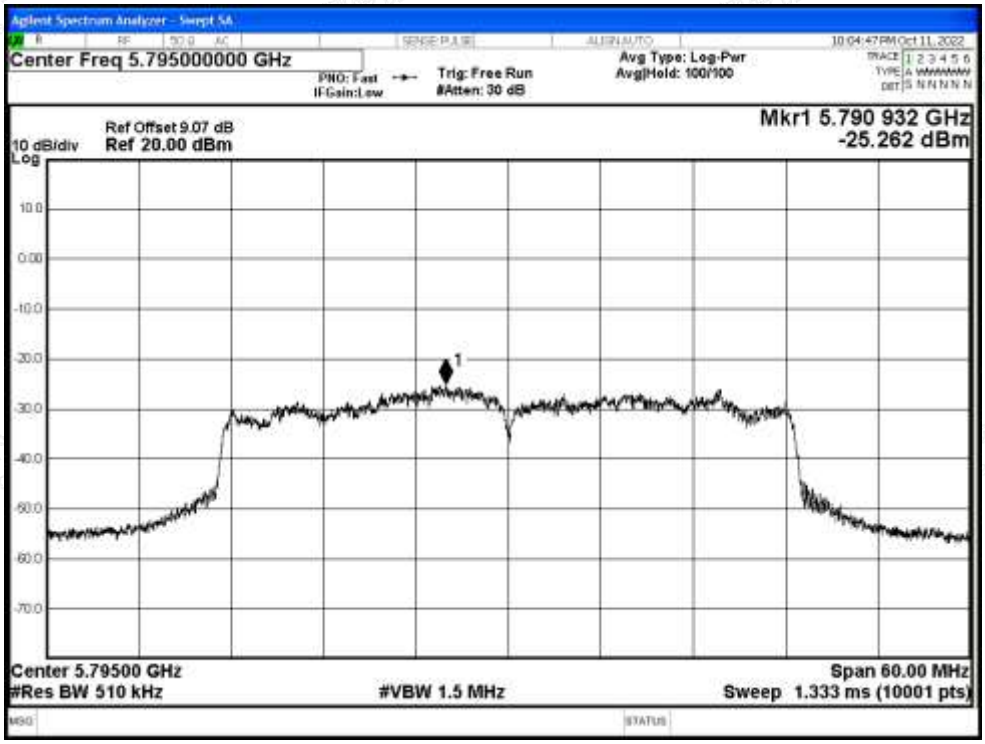
PSD NVNT n20 5825MHz Ant1



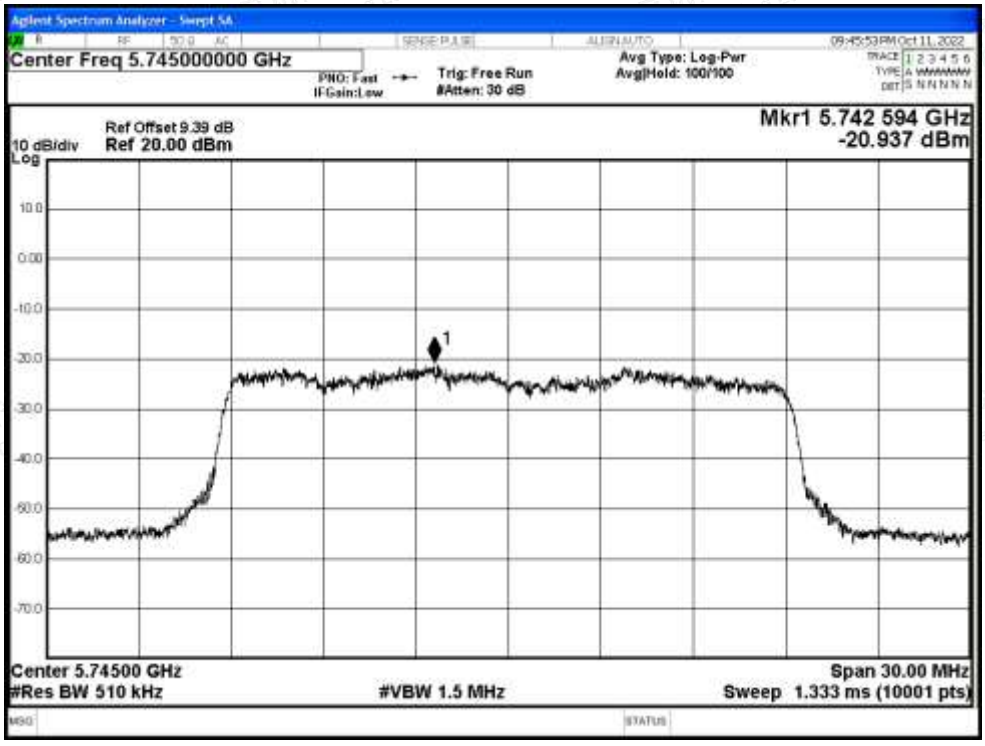
PSD NVNT n40 5755MHz Ant1



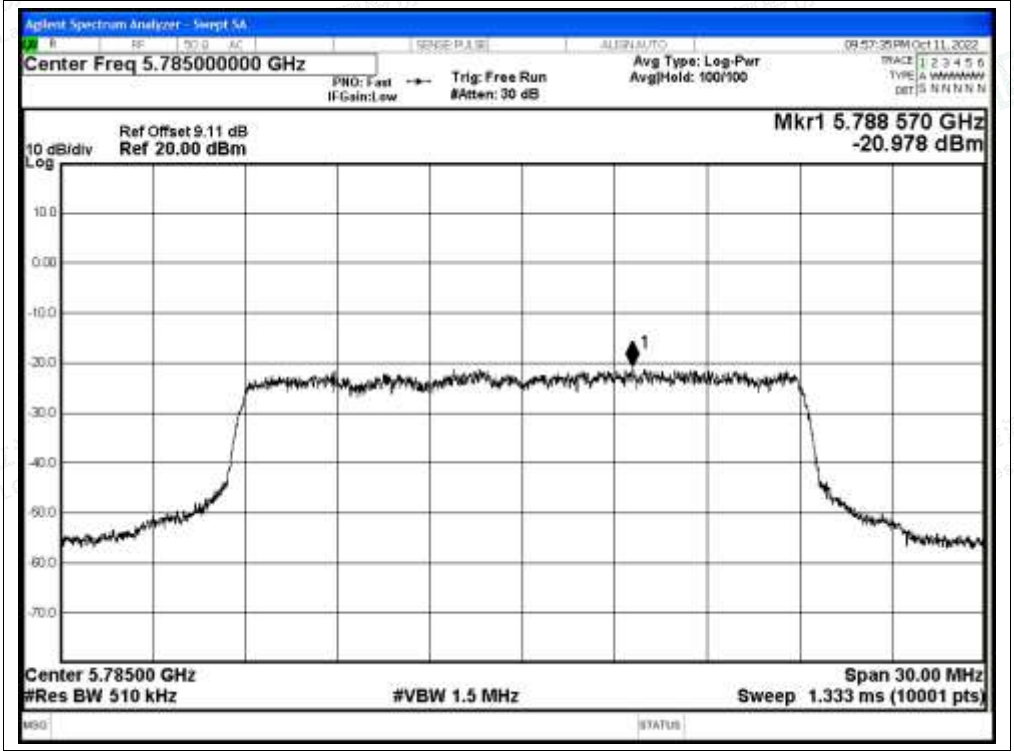
PSD NVNT n40 5795MHz Ant1



PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



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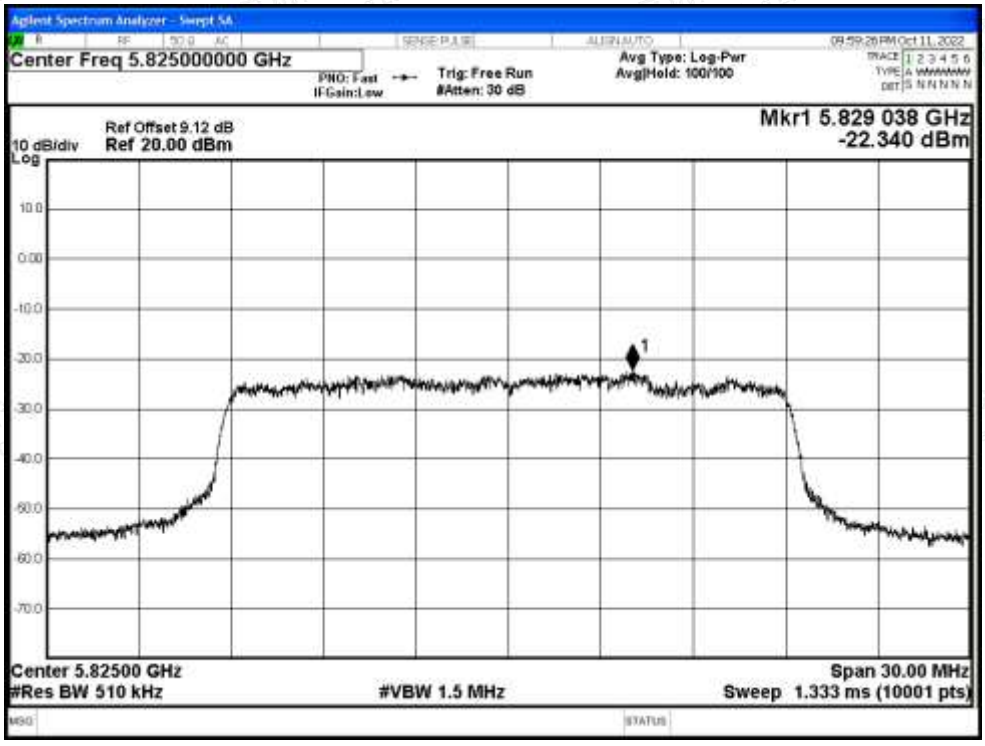
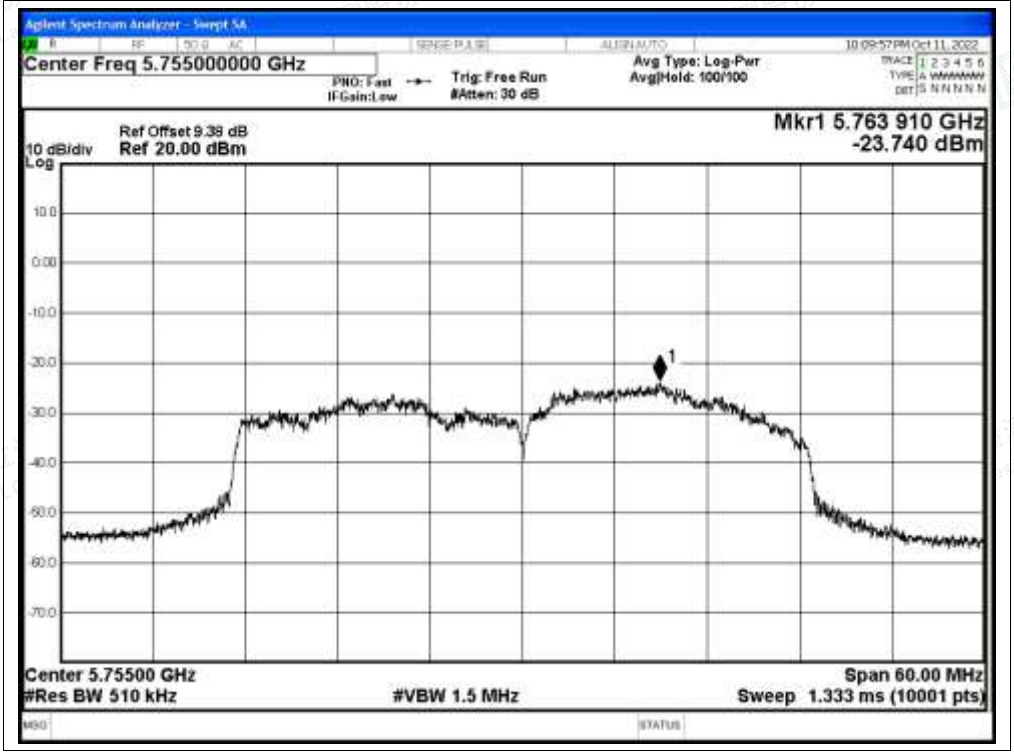
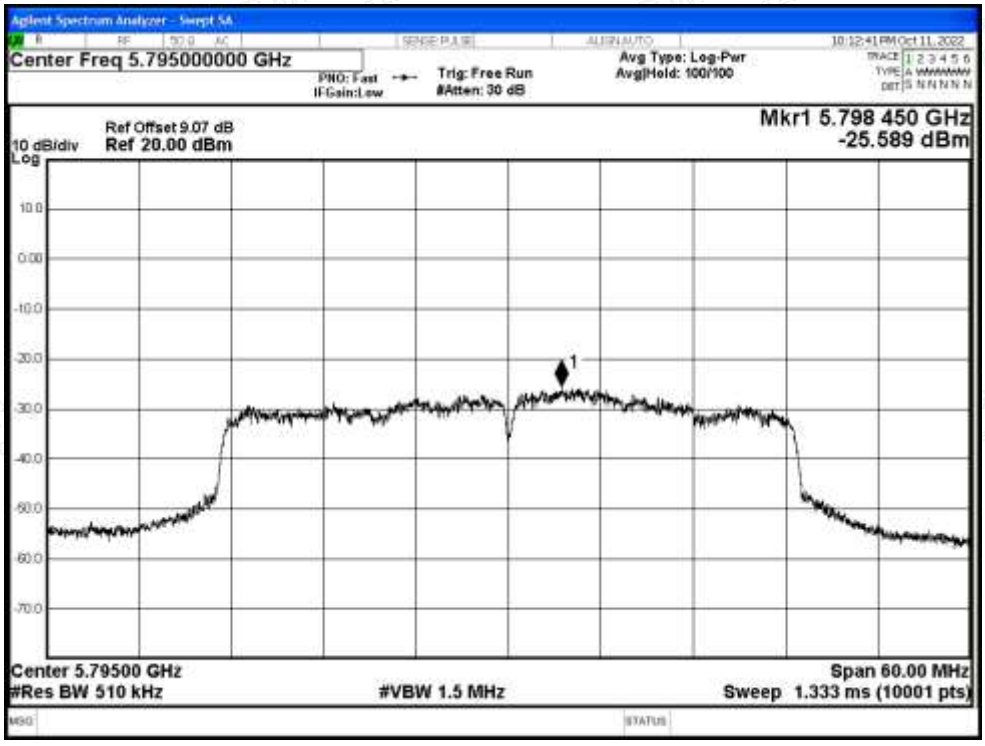


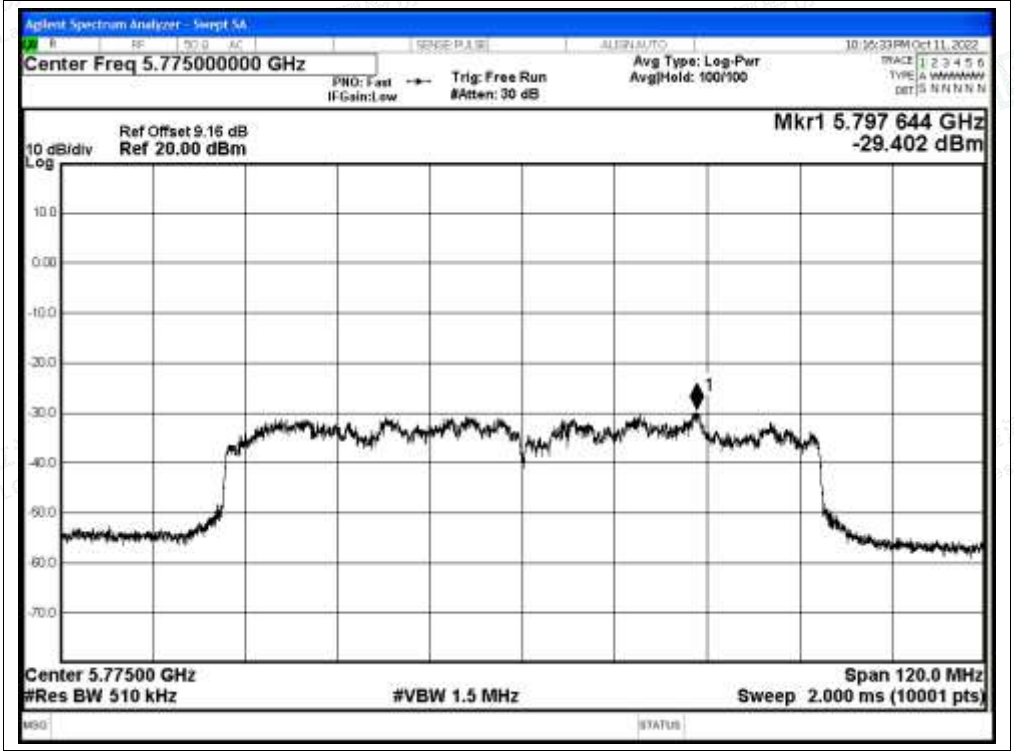
PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1



C.4 Restrict Band

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Detector	Limit (dBm)	Verdict
NVNT	a	5745	5650	-41.64	4.52	-37.12	Peak	-27	Pass
NVNT	a	5745	5650	-52.17	4.52	-47.65	Average	-27	Pass
NVNT	a	5745	5700	-40.37	4.52	-35.85	Peak	10	Pass
NVNT	a	5745	5700	-51.21	4.52	-46.69	Average	10	Pass
NVNT	a	5745	5720	-41.27	4.52	-36.75	Peak	15.6	Pass
NVNT	a	5745	5720	-50.51	4.52	-45.99	Average	15.6	Pass
NVNT	a	5745	5725	-41.69	4.52	-37.17	Peak	27	Pass
NVNT	a	5745	5725	-50.2	4.52	-45.68	Average	27	Pass
NVNT	a	5825	5850	-43.4	4.52	-38.88	Peak	27	Pass
NVNT	a	5825	5850	-52.96	4.52	-48.44	Average	27	Pass
NVNT	a	5825	5855	-44.42	4.52	-39.9	Peak	15.6	Pass
NVNT	a	5825	5855	-52.97	4.52	-48.45	Average	15.6	Pass
NVNT	a	5825	5875	-42.5	4.52	-37.98	Peak	10	Pass
NVNT	a	5825	5875	-53.29	4.52	-48.77	Average	10	Pass
NVNT	a	5825	5925	-43.17	4.52	-38.65	Peak	-27	Pass
NVNT	a	5825	5925	-52.95	4.52	-48.43	Average	-27	Pass
NVNT	n20-MIMO	5745	5650	-46.93	7.49	-39.44	Peak	-27	Pass
NVNT	n20-MIMO	5745	5650	-55.36	7.49	-47.87	Average	-27	Pass
NVNT	n20-MIMO	5745	5700	-45.68	7.49	-38.19	Peak	10	Pass
NVNT	n20-MIMO	5745	5700	-54.75	7.49	-47.26	Average	10	Pass
NVNT	n20-MIMO	5745	5720	-45.28	7.49	-37.79	Peak	15.6	Pass
NVNT	n20-MIMO	5745	5720	-54.25	7.49	-46.76	Average	15.6	Pass
NVNT	n20-MIMO	5745	5725	-40.66	7.49	-33.17	Peak	27	Pass
NVNT	n20-MIMO	5745	5725	-45.31	7.49	-37.82	Average	27	Pass
NVNT	n20-MIMO	5825	5850	-44.6	7.49	-37.11	Peak	27	Pass
NVNT	n20-MIMO	5825	5850	-55.19	7.49	-47.7	Average	27	Pass
NVNT	n20-MIMO	5825	5855	-44.6	7.49	-37.11	Peak	15.6	Pass
NVNT	n20-MIMO	5825	5855	-55.19	7.49	-47.7	Average	15.6	Pass
NVNT	n20-MIMO	5825	5875	-46.04	7.49	-38.55	Peak	10	Pass
NVNT	n20-MIMO	5825	5875	-55.13	7.49	-47.64	Average	10	Pass
NVNT	n20-MIMO	5825	5925	-45.43	7.49	-37.94	Peak	-27	Pass
NVNT	n20-MIMO	5825	5925	-55.04	7.49	-47.55	Average	-27	Pass
NVNT	n40-MIMO	5755	5650	-46.54	7.49	-39.05	Peak	-27	Pass
NVNT	n40-MIMO	5755	5650	-55.16	7.49	-47.67	Average	-27	Pass
NVNT	n40-MIMO	5755	5700	-45.91	7.49	-38.42	Peak	10	Pass
NVNT	n40-MIMO	5755	5700	-54.52	7.49	-47.03	Average	10	Pass
NVNT	n40-MIMO	5755	5720	-45.18	7.49	-37.69	Peak	15.6	Pass

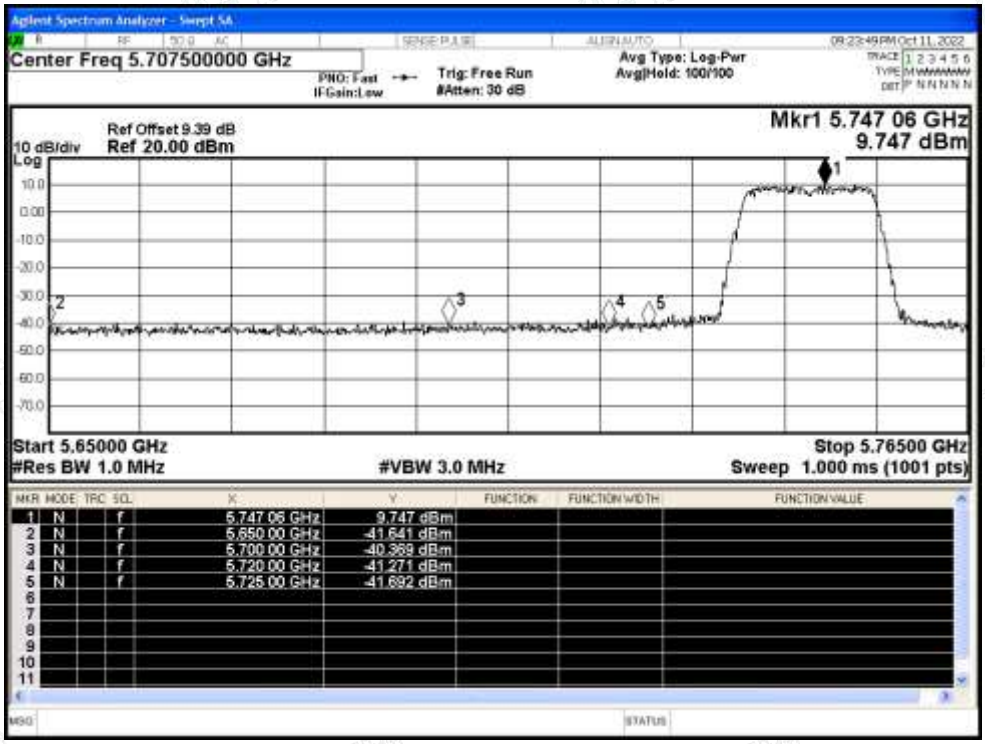
NVNT	n40-MIMO	5755	5720	-53.44	7.49	-45.95	Average	15.6	Pass
NVNT	n40-MIMO	5755	5725	-43.75	7.49	-36.26	Peak	27	Pass
NVNT	n40-MIMO	5755	5725	-51.53	7.49	-44.04	Average	27	Pass
NVNT	n40-MIMO	5795	5850	-45.98	7.49	-38.49	Peak	27	Pass
NVNT	n40-MIMO	5795	5850	-55.34	7.49	-47.85	Average	27	Pass
NVNT	n40-MIMO	5795	5855	-45.54	7.49	-38.05	Peak	15.6	Pass
NVNT	n40-MIMO	5795	5855	-55.51	7.49	-48.02	Average	15.6	Pass
NVNT	n40-MIMO	5795	5875	-47.09	7.49	-39.6	Peak	10	Pass
NVNT	n40-MIMO	5795	5875	-54.99	7.49	-47.5	Average	10	Pass
NVNT	n40-MIMO	5795	5925	-46.61	7.49	-39.12	Peak	-27	Pass
NVNT	n40-MIMO	5795	5925	-54.73	7.49	-47.24	Average	-27	Pass
NVNT	ac20-MIMO	5745	5650	-46.94	7.49	-39.45	Peak	-27	Pass
NVNT	ac20-MIMO	5745	5650	-55.49	7.49	-48	Average	-27	Pass
NVNT	ac20-MIMO	5745	5700	-45.57	7.49	-38.08	Peak	10	Pass
NVNT	ac20-MIMO	5745	5700	-55.18	7.49	-47.69	Average	10	Pass
NVNT	ac20-MIMO	5745	5720	-45.25	7.49	-37.76	Peak	15.6	Pass
NVNT	ac20-MIMO	5745	5720	-54.89	7.49	-47.4	Average	15.6	Pass
NVNT	ac20-MIMO	5745	5725	-41.56	7.49	-34.07	Peak	27	Pass
NVNT	ac20-MIMO	5745	5725	-48.61	7.49	-41.12	Average	27	Pass
NVNT	ac20-MIMO	5825	5850	-44.84	7.49	-37.35	Peak	27	Pass
NVNT	ac20-MIMO	5825	5850	-55.41	7.49	-47.92	Average	27	Pass
NVNT	ac20-MIMO	5825	5855	-46.94	7.49	-39.45	Peak	15.6	Pass
NVNT	ac20-MIMO	5825	5855	-55.29	7.49	-47.8	Average	15.6	Pass
NVNT	ac20-MIMO	5825	5875	-46.5	7.49	-39.01	Peak	10	Pass
NVNT	ac20-MIMO	5825	5875	-55.45	7.49	-47.96	Average	10	Pass
NVNT	ac20-MIMO	5825	5925	-44.55	7.49	-37.06	Peak	-27	Pass
NVNT	ac20-MIMO	5825	5925	-55.14	7.49	-47.65	Average	-27	Pass
NVNT	ac40-MIMO	5755	5650	-45.22	7.49	-37.73	Peak	-27	Pass
NVNT	ac40-MIMO	5755	5650	-55	7.49	-47.51	Average	-27	Pass
NVNT	ac40-MIMO	5755	5700	-46.37	7.49	-38.88	Peak	10	Pass
NVNT	ac40-MIMO	5755	5700	-54.69	7.49	-47.2	Average	10	Pass
NVNT	ac40-MIMO	5755	5720	-44.59	7.49	-37.1	Peak	15.6	Pass
NVNT	ac40-MIMO	5755	5720	-53.44	7.49	-45.95	Average	15.6	Pass
NVNT	ac40-MIMO	5755	5725	-42.18	7.49	-34.69	Peak	27	Pass
NVNT	ac40-MIMO	5755	5725	-51.88	7.49	-44.39	Average	27	Pass
NVNT	ac40-MIMO	5795	5850	-45.51	7.49	-38.02	Peak	27	Pass
NVNT	ac40-MIMO	5795	5850	-55.56	7.49	-48.07	Average	27	Pass
NVNT	ac40-MIMO	5795	5855	-46.77	7.49	-39.28	Peak	15.6	Pass
NVNT	ac40-MIMO	5795	5855	-55.08	7.49	-47.59	Average	15.6	Pass
NVNT	ac40-MIMO	5795	5875	-45.38	7.49	-37.89	Peak	10	Pass
NVNT	ac40-MIMO	5795	5875	-55.42	7.49	-47.93	Average	10	Pass

NVNT	ac40-MIMO	5795	5925	-45.69	7.49	-38.2	Peak	-27	Pass
NVNT	ac40-MIMO	5795	5925	-55.27	7.49	-47.78	Average	-27	Pass
NVNT	ac80-MIMO	5775	5650	-45.78	7.49	-38.29	Peak	-27	Pass
NVNT	ac80-MIMO	5775	5650	-54.72	7.49	-47.23	Average	-27	Pass
NVNT	ac80-MIMO	5775	5700	-44.6	7.49	-37.11	Peak	10	Pass
NVNT	ac80-MIMO	5775	5700	-54.52	7.49	-47.03	Average	10	Pass
NVNT	ac80-MIMO	5775	5720	-45.21	7.49	-37.72	Peak	15.6	Pass
NVNT	ac80-MIMO	5775	5720	-53.32	7.49	-45.83	Average	15.6	Pass
NVNT	ac80-MIMO	5775	5725	-44.16	7.49	-36.67	Peak	27	Pass
NVNT	ac80-MIMO	5775	5725	-52.4	7.49	-44.91	Average	27	Pass
NVNT	ac80-MIMO	5775	5850	-45.99	7.49	-38.5	Peak	27	Pass
NVNT	ac80-MIMO	5775	5850	-54.68	7.49	-47.19	Average	27	Pass
NVNT	ac80-MIMO	5775	5855	-45.67	7.49	-38.18	Peak	15.6	Pass
NVNT	ac80-MIMO	5775	5855	-54.55	7.49	-47.06	Average	15.6	Pass
NVNT	ac80-MIMO	5775	5875	-45.66	7.49	-38.17	Peak	10	Pass
NVNT	ac80-MIMO	5775	5875	-54.69	7.49	-47.2	Average	10	Pass
NVNT	ac80-MIMO	5775	5925	-46.28	7.49	-38.79	Peak	-27	Pass
NVNT	ac80-MIMO	5775	5925	-54.73	7.49	-47.24	Average	-27	Pass

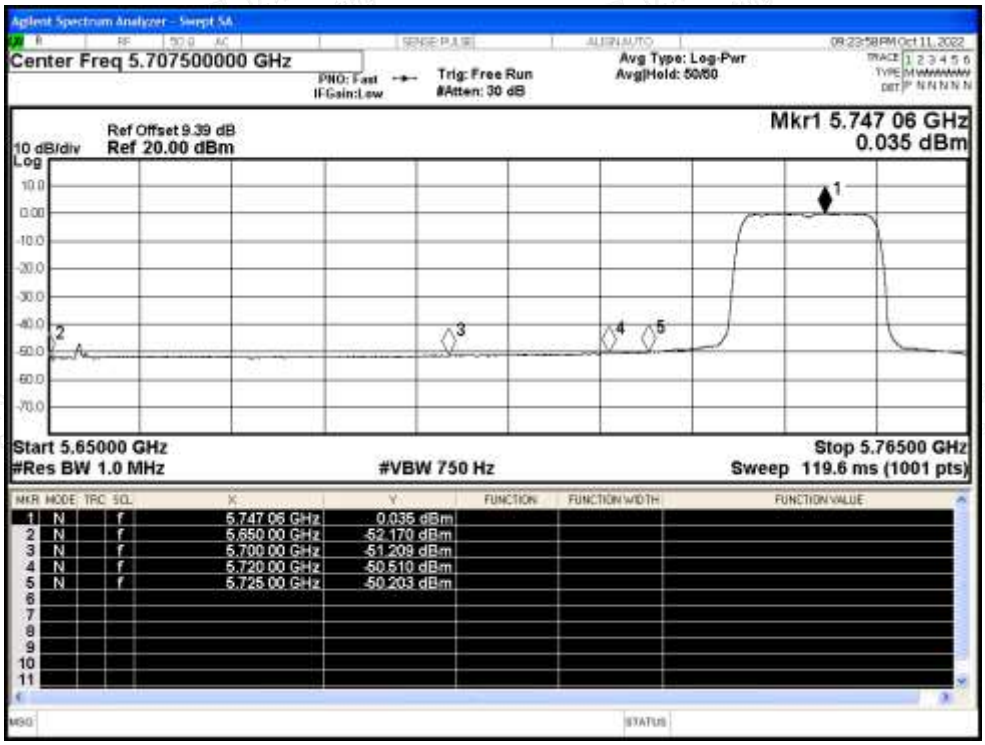
Note：802.11a mode, only show the worst set of antenna data.

Test Graphs

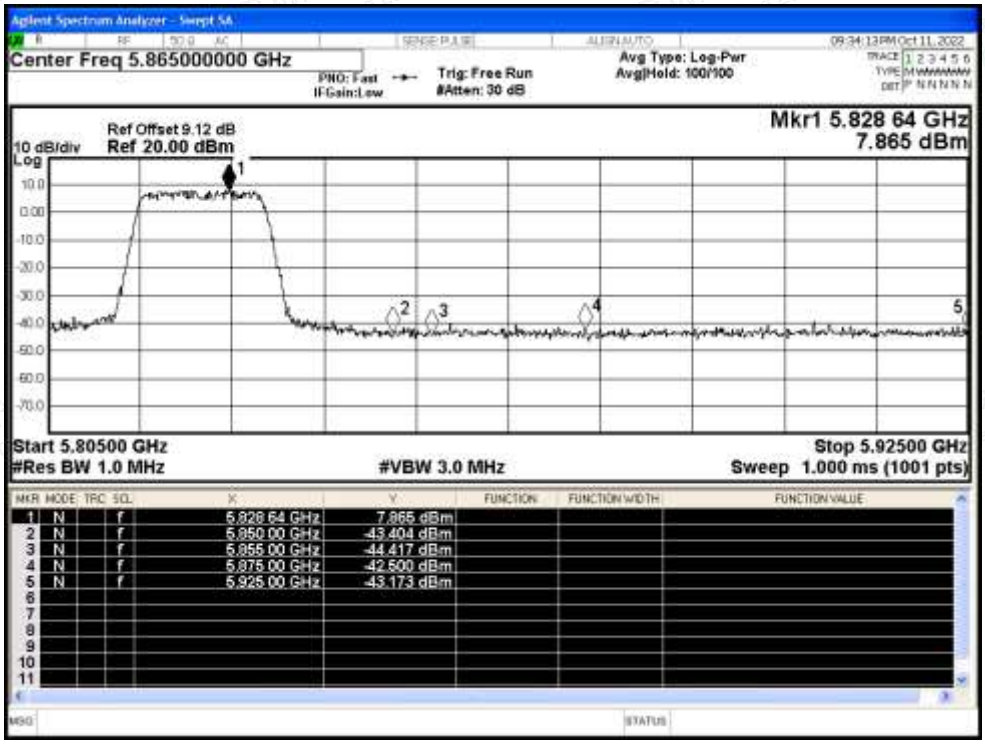
Restrict Band NVNT a 5745MHz Peak



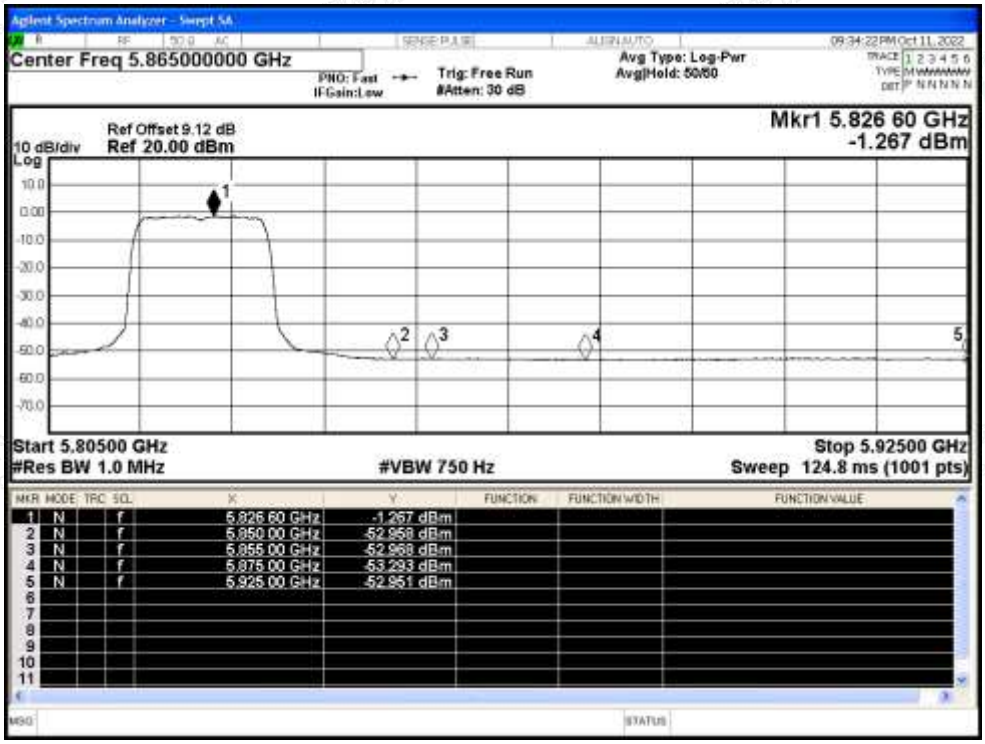
Restrict Band NVNT a 5745MHz Average



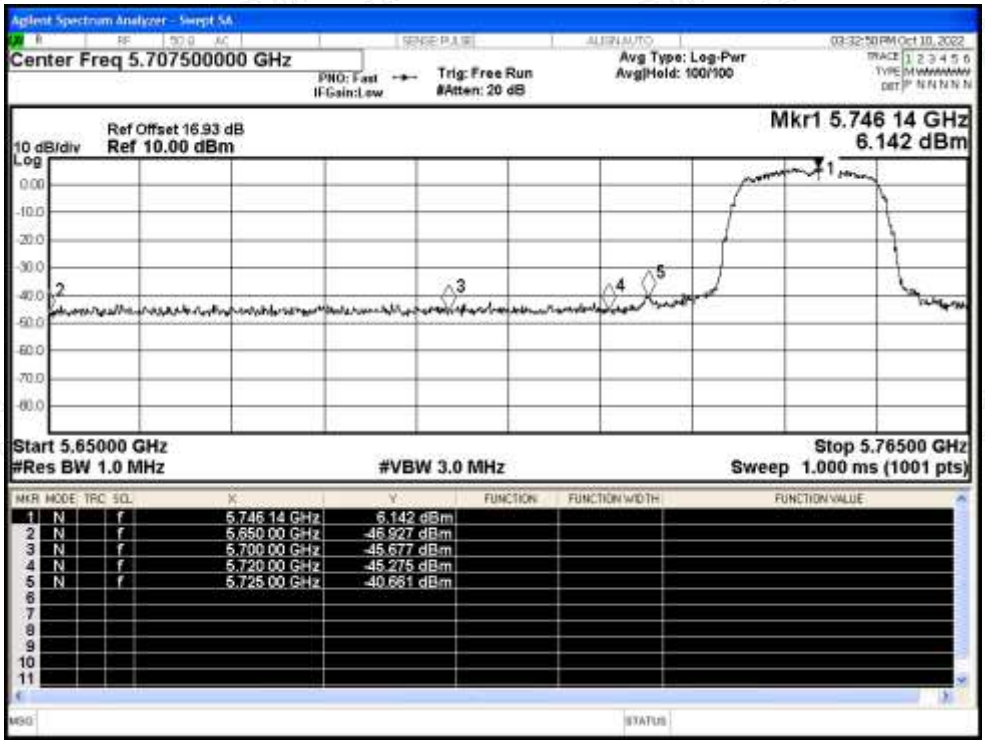
Restrict Band NVNT a 5825MHz Peak



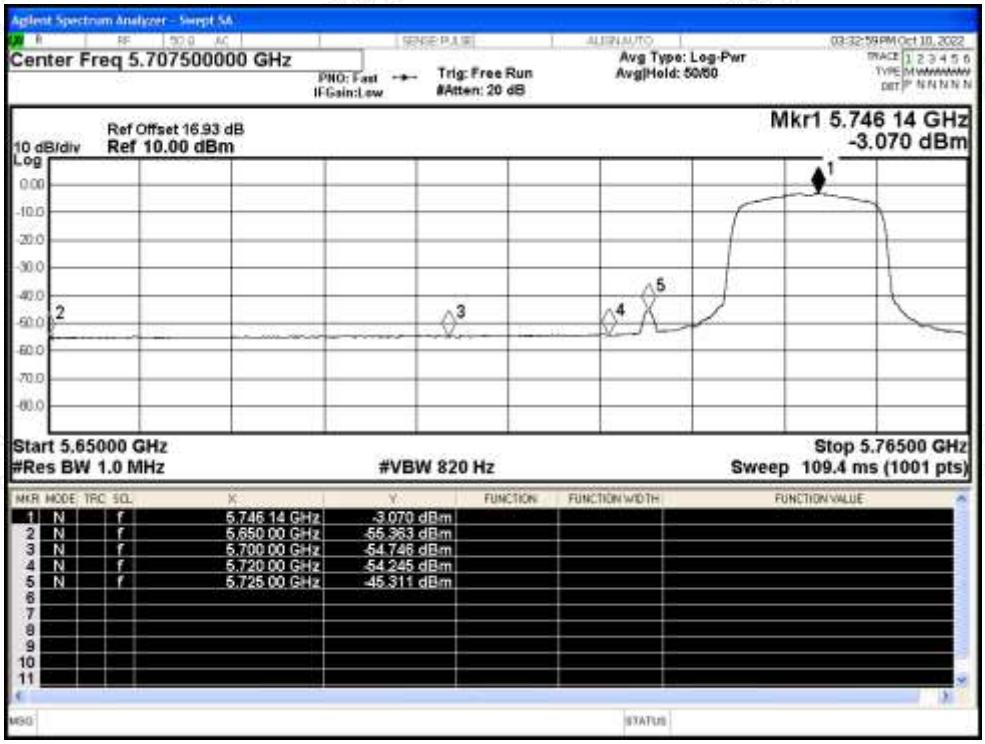
Restrict Band NVNT a 5825MHz Average



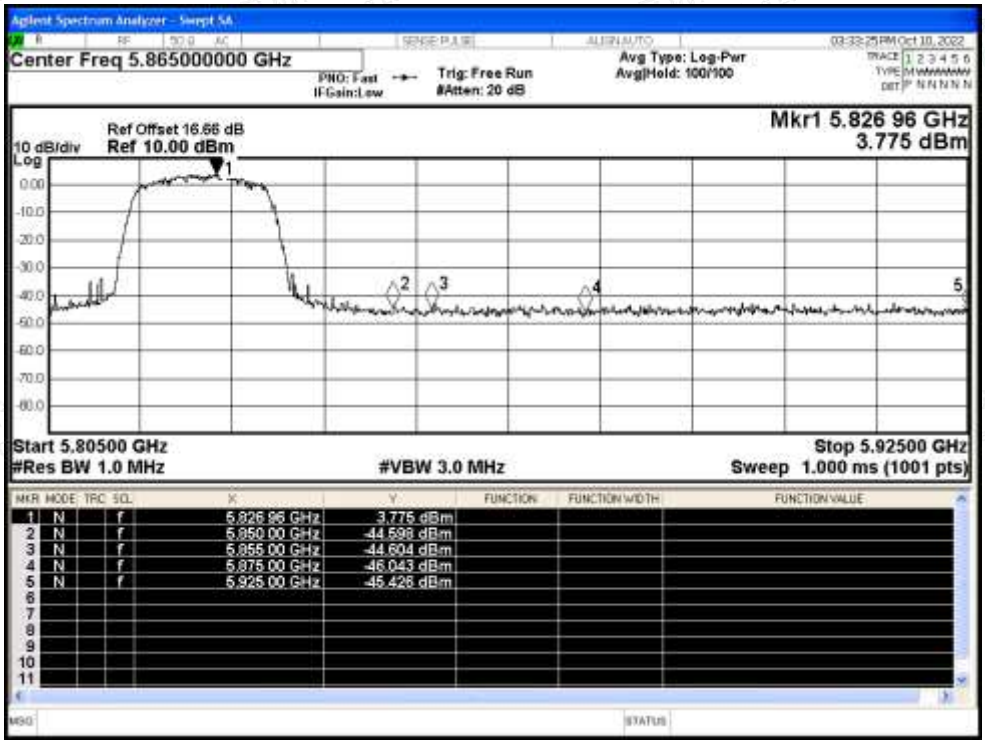
Restrict Band NVNT n20-MIMO 5745MHz Ant1 Peak



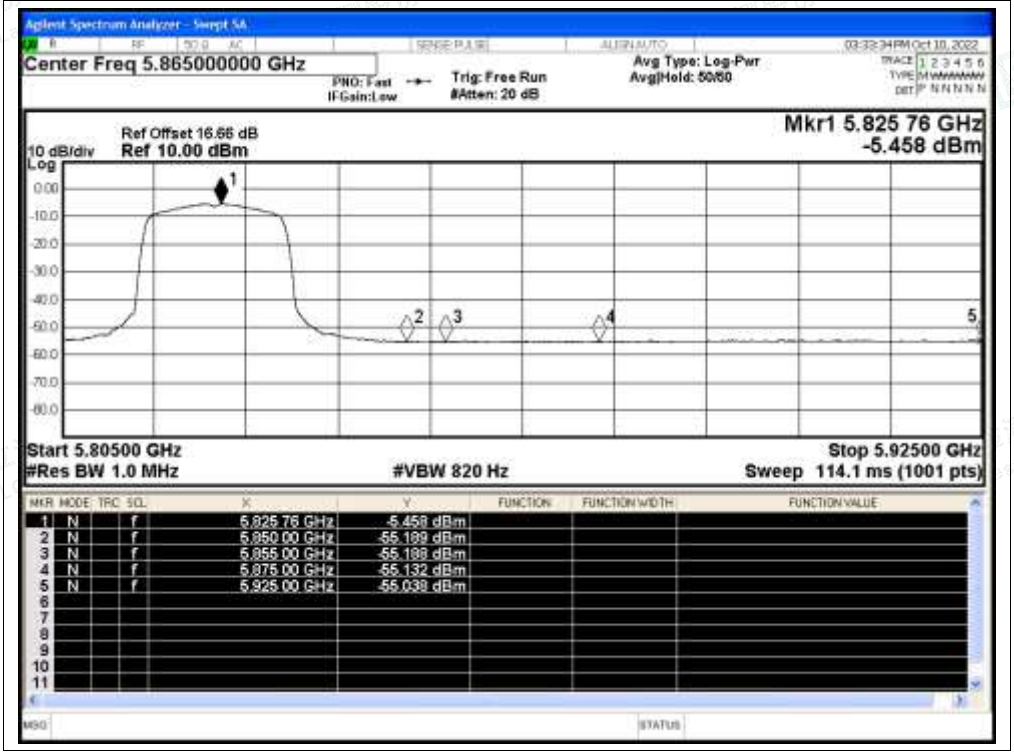
Restrict Band NVNT n20-MIMO 5745MHz Ant1 Average



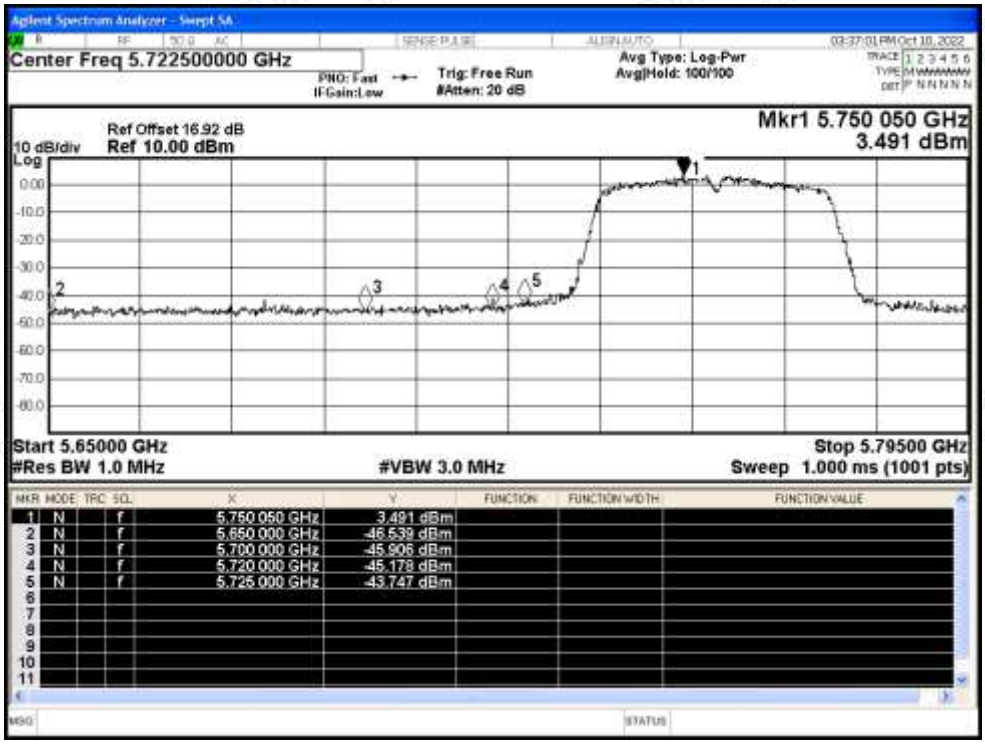
Restrict Band NVNT n20-MIMO 5825MHz Ant1 Peak



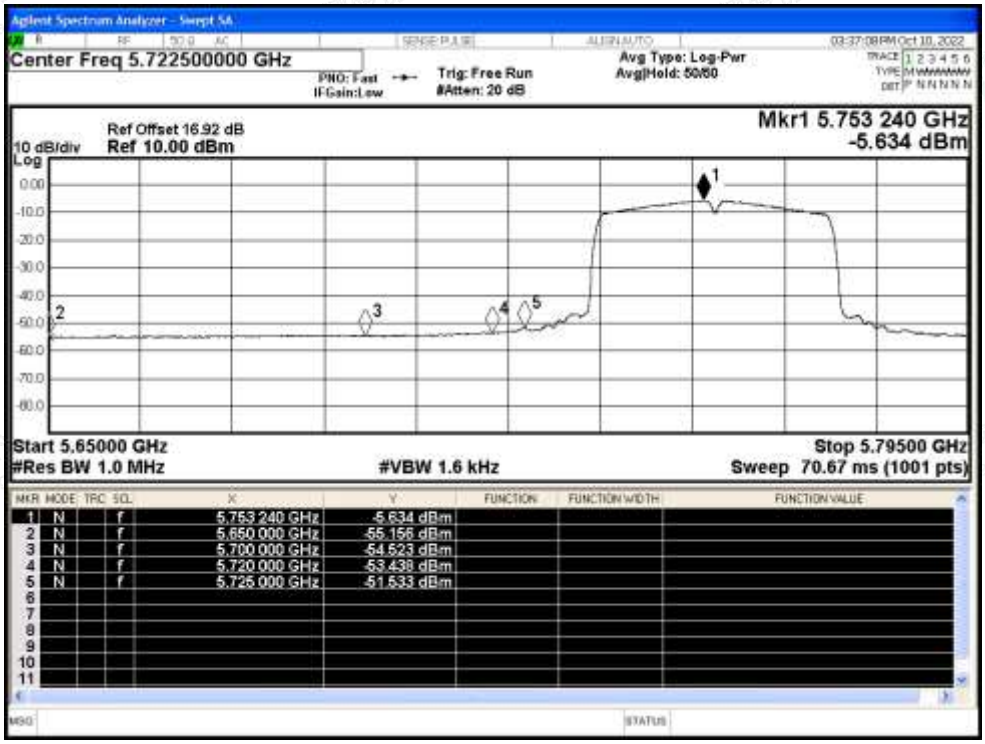
Restrict Band NVNT n20-MIMO 5825MHz Ant1 Average



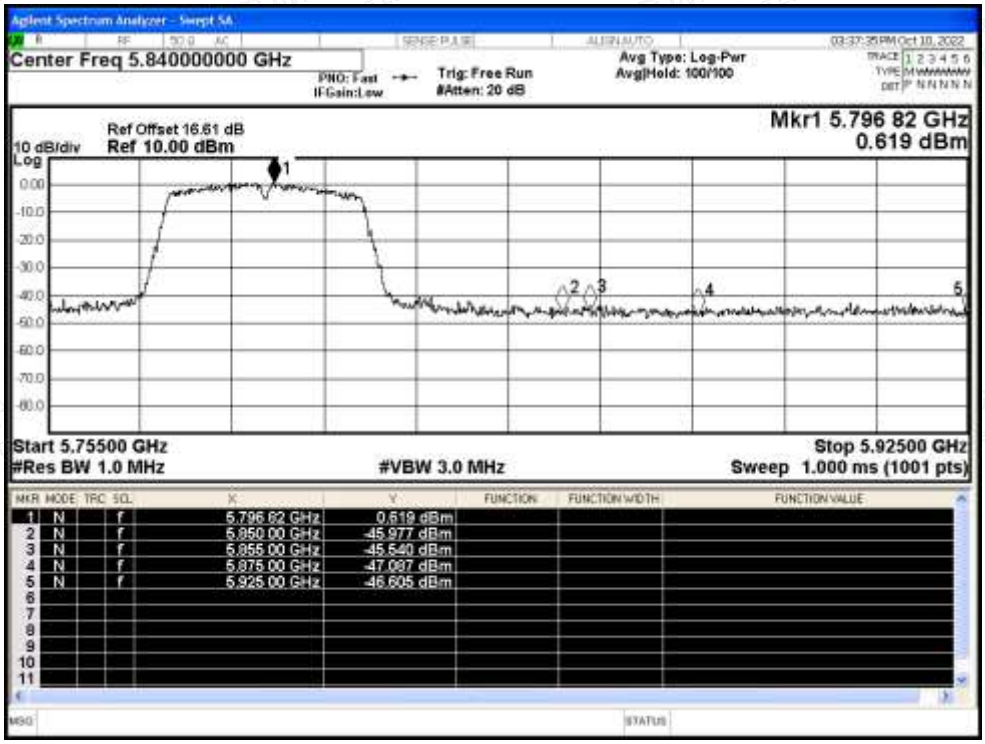
Restrict Band NVNT n40-MIMO 5755MHz Ant1 Peak



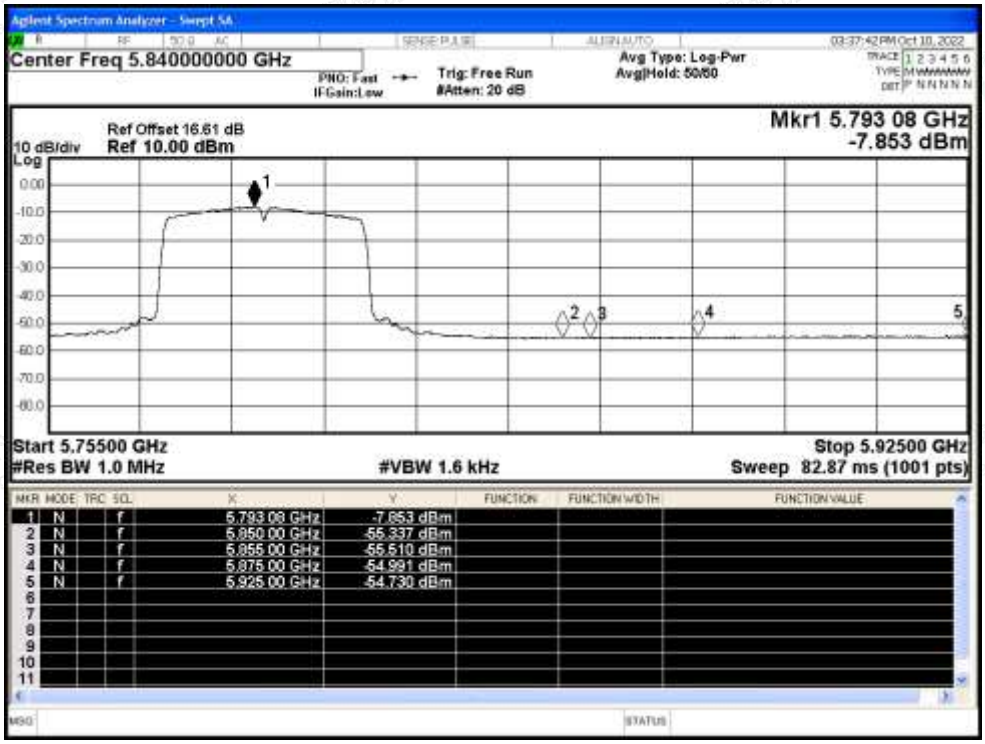
Restrict Band NVNT n40-MIMO 5755MHz Ant1 Average



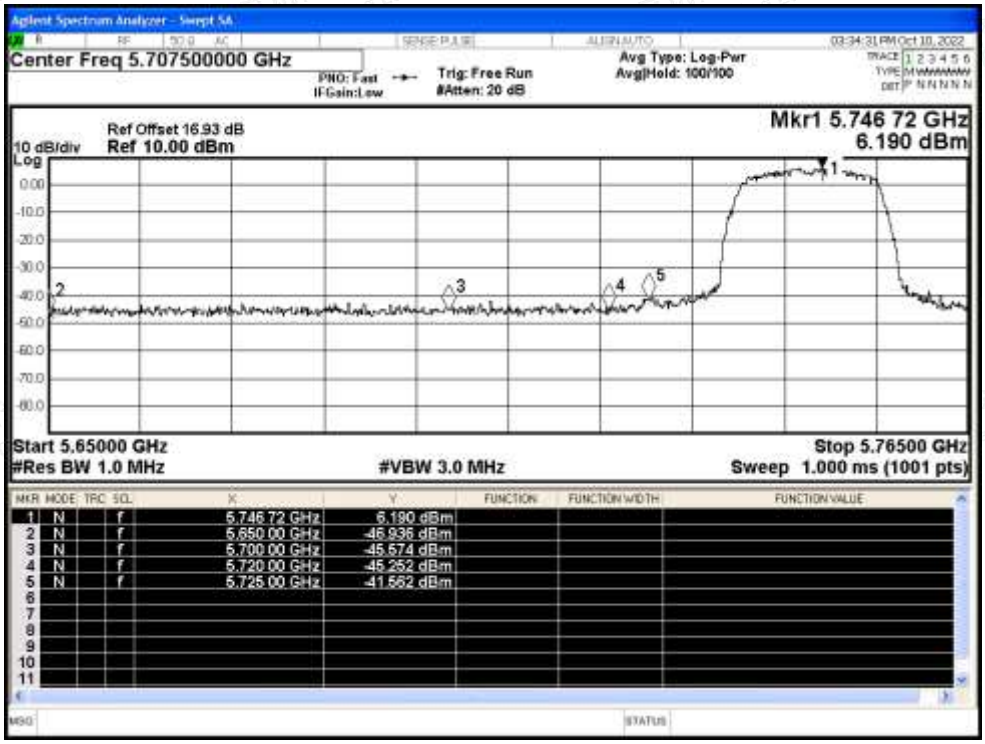
Restrict Band NVNT n40-MIMO 5795MHz Ant1 Peak



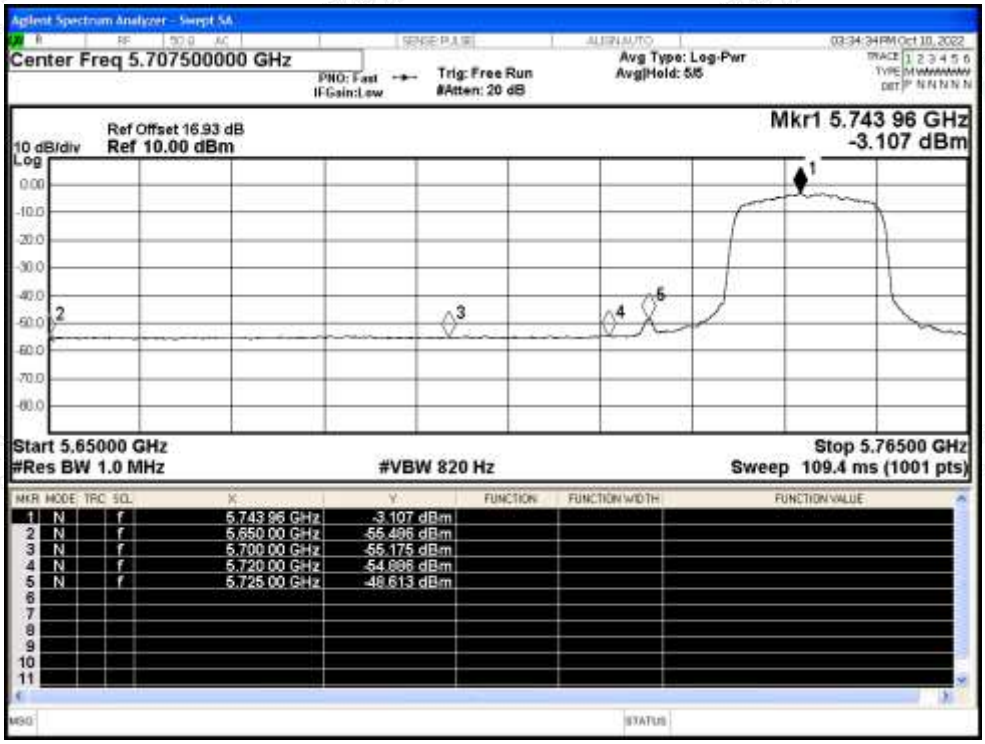
Restrict Band NVNT n40-MIMO 5795MHz Ant1 Average



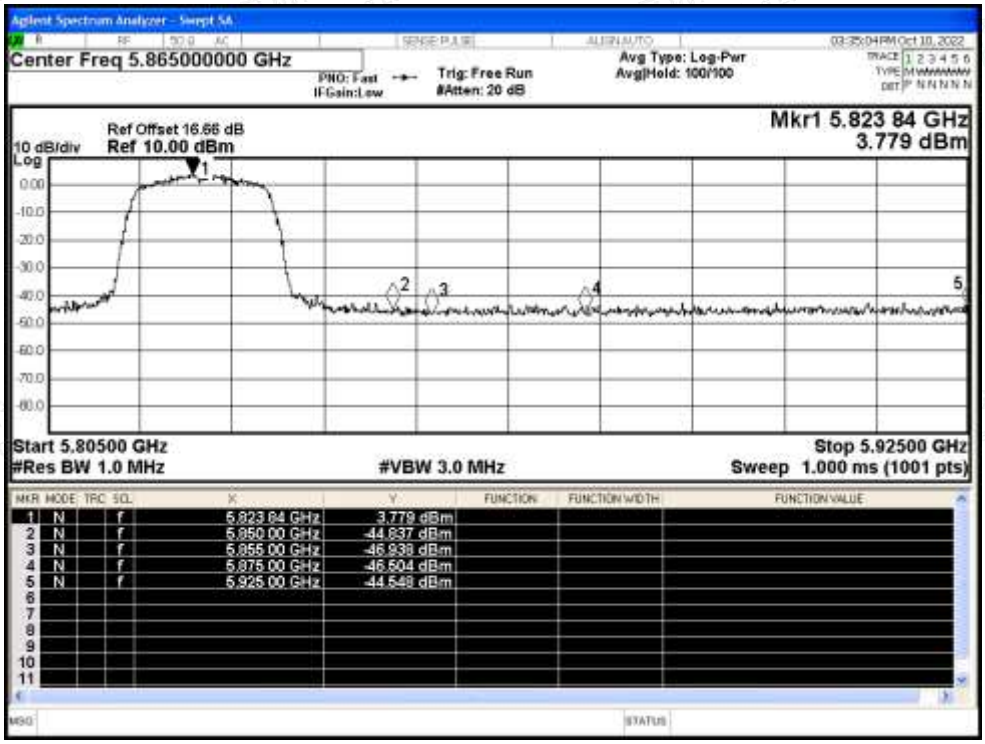
Restrict Band NVNT ac20-MIMO 5745MHz Ant1 Peak



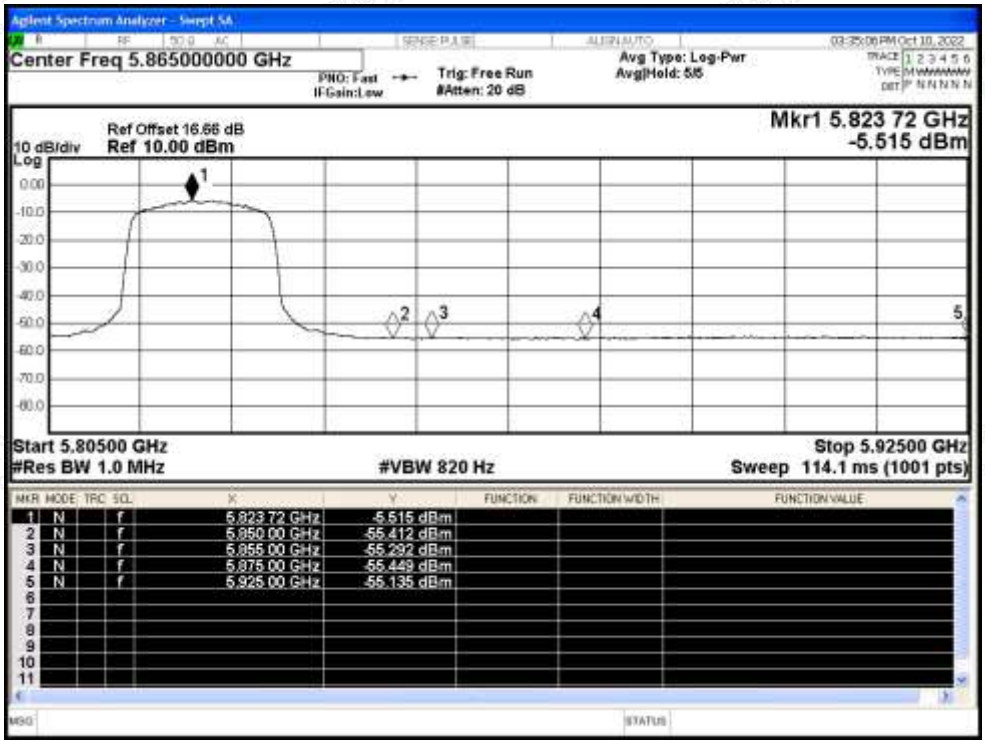
Restrict Band NVNT ac20-MIMO 5745MHz Ant1 Average



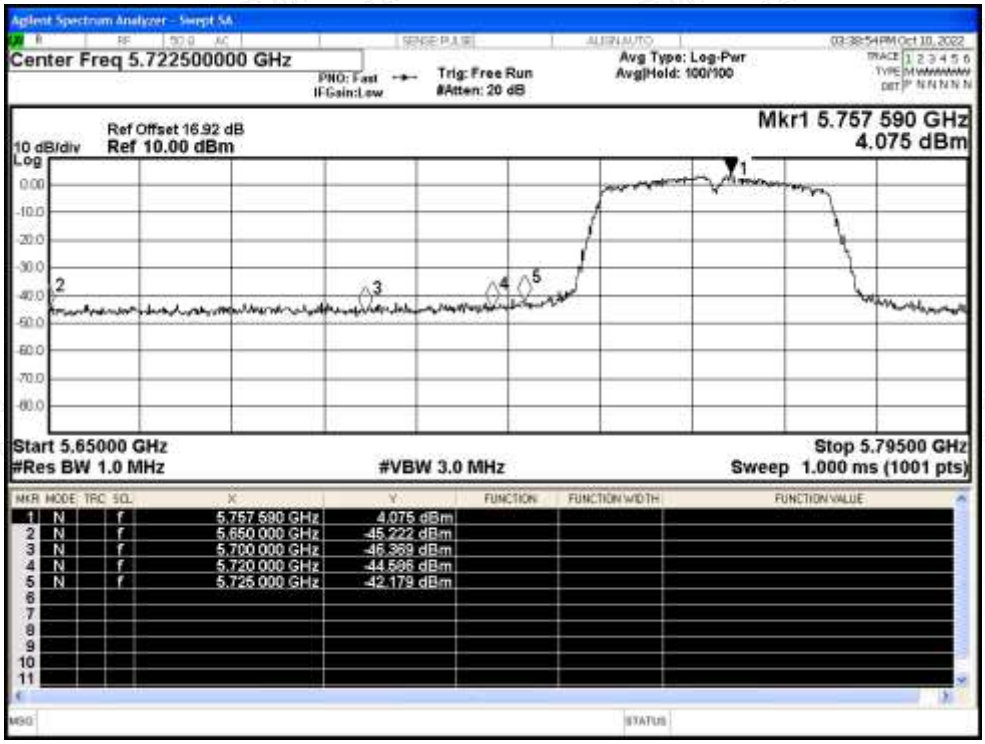
Restrict Band NVNT ac20-MIMO 5825MHz Ant1 Peak



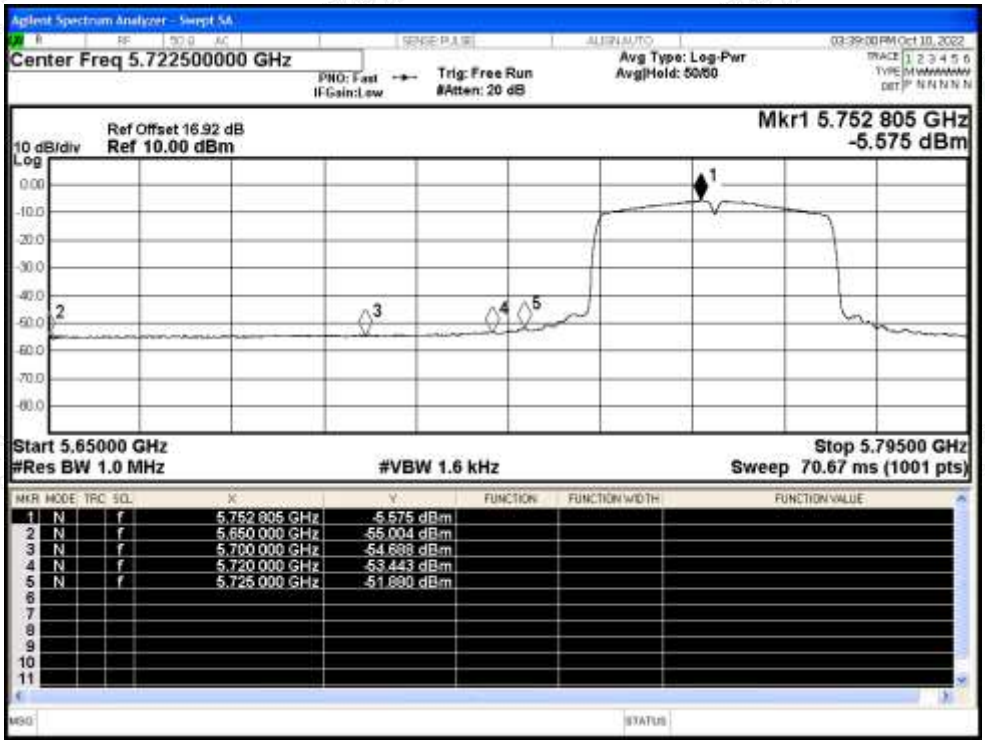
Restrict Band NVNT ac20-MIMO 5825MHz Ant1 Average



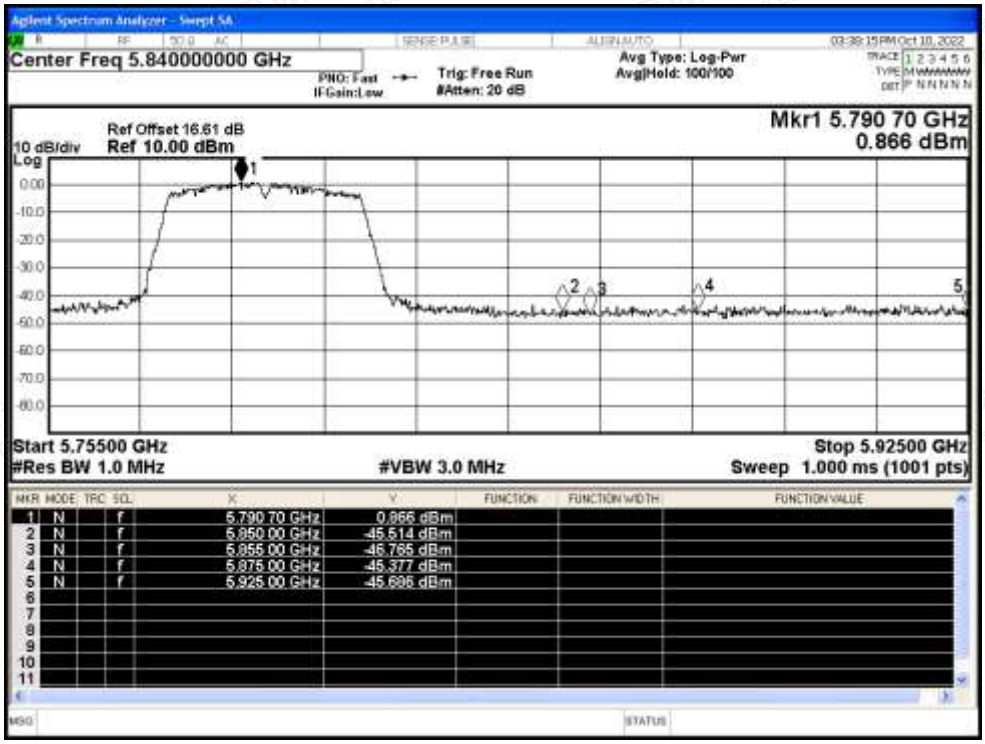
Restrict Band NVNT ac40-MIMO 5755MHz Ant1 Peak



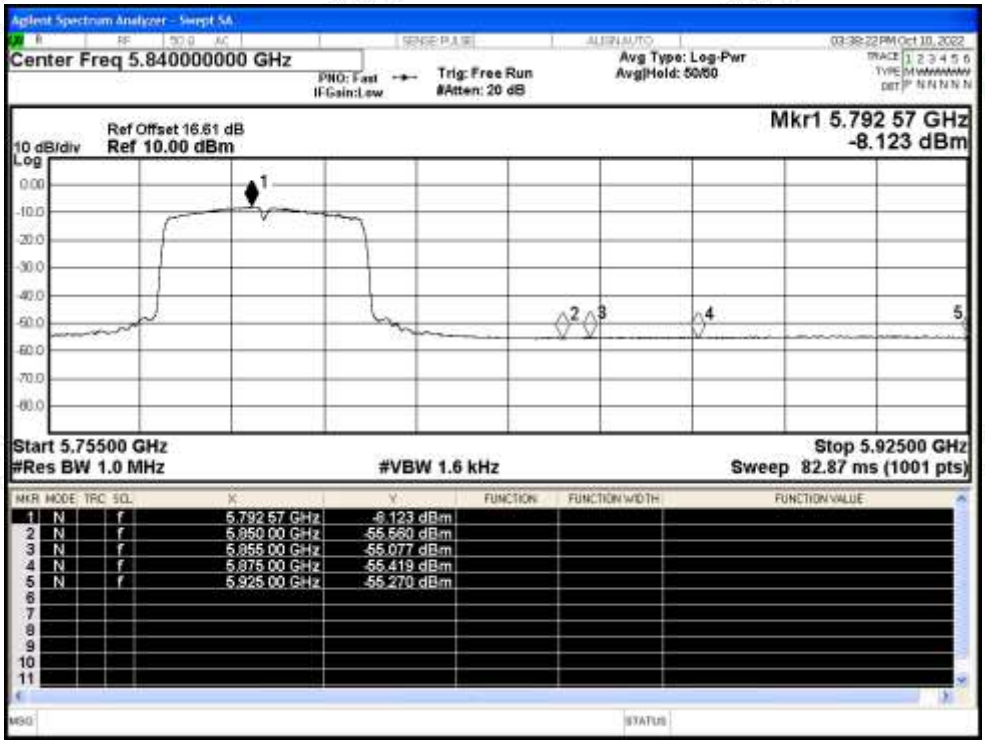
Restrict Band NVNT ac40-MIMO 5755MHz Ant1 Average



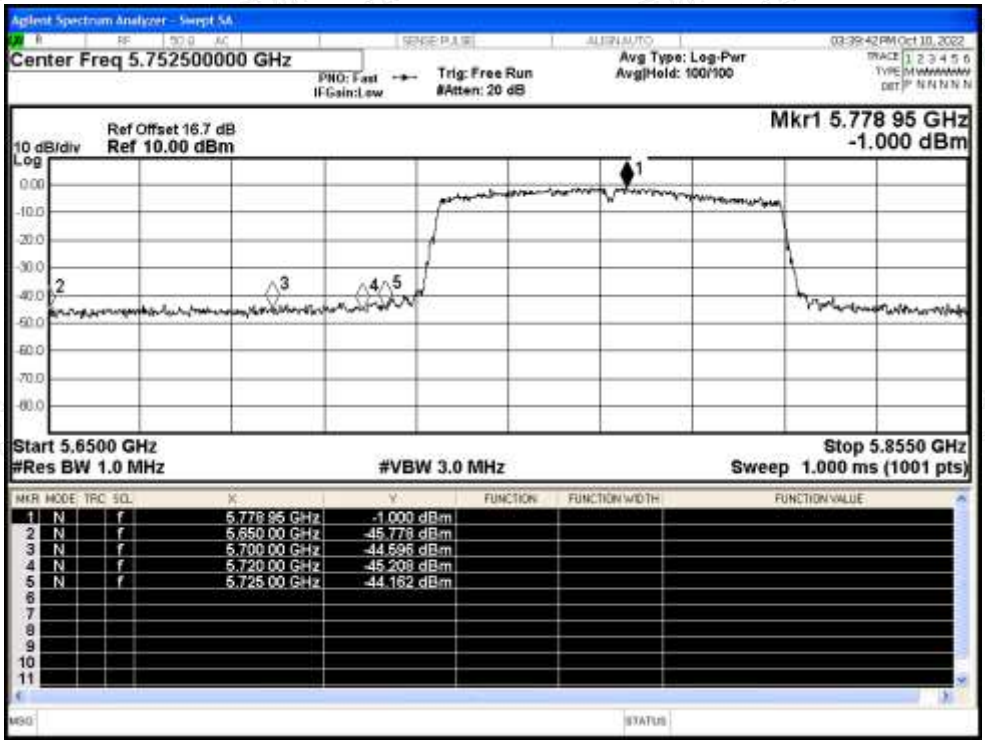
Restrict Band NVNT ac40-MIMO 5795MHz Ant1 Peak



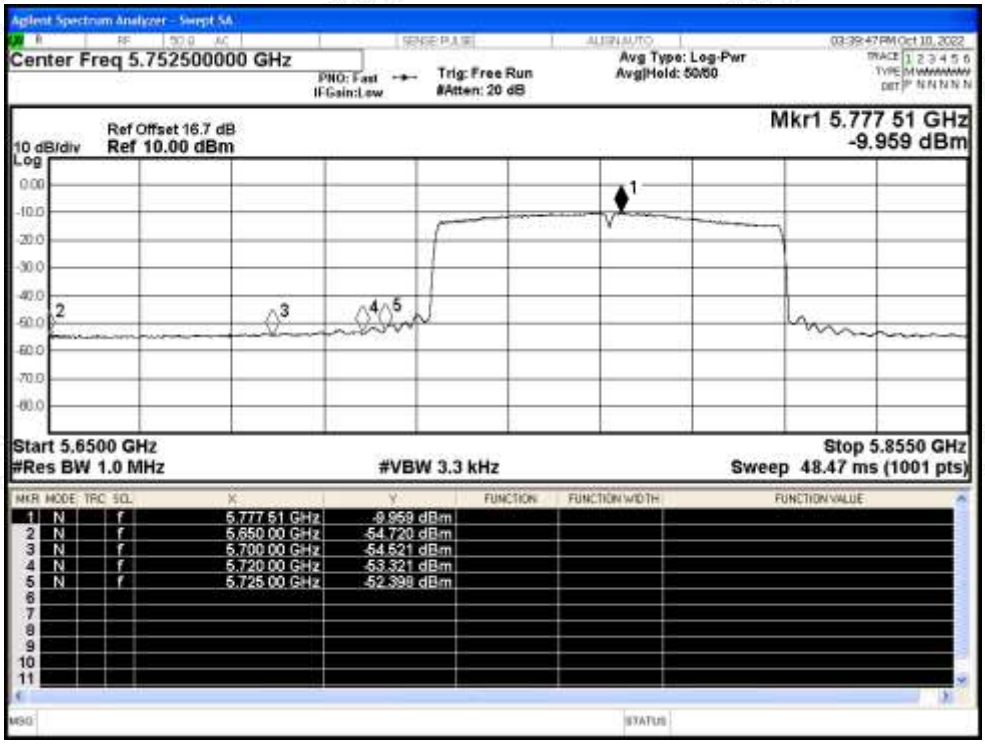
Restrict Band NVNT ac40-MIMO 5795MHz Ant1 Average



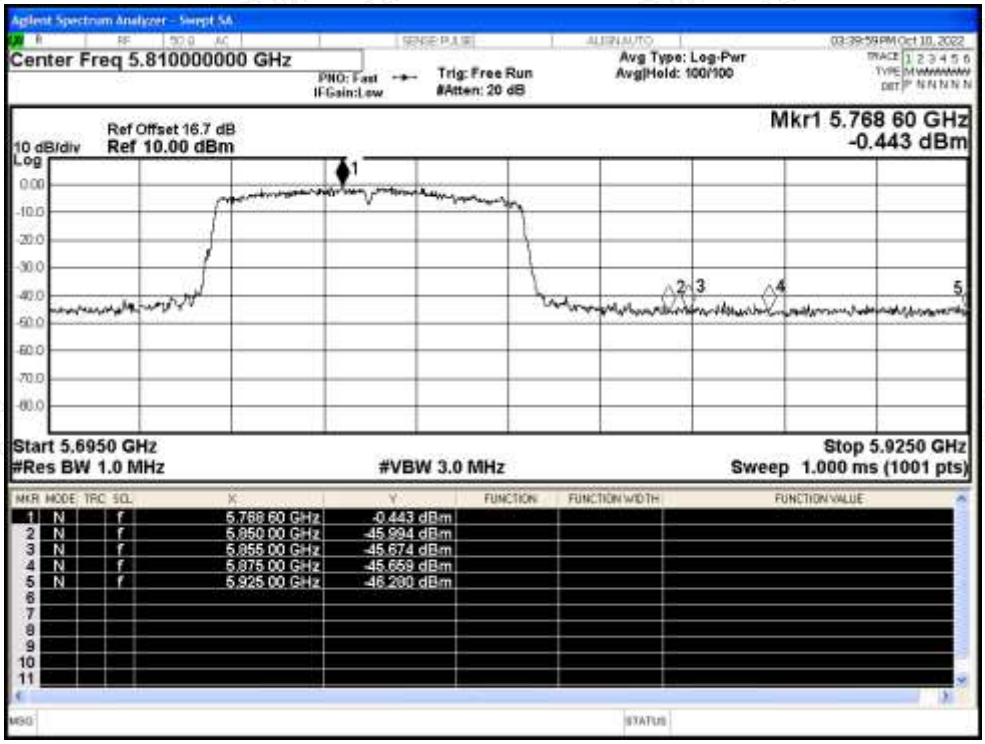
Restrict Band NVNT ac80-MIMO 5775MHz Ant1 Peak



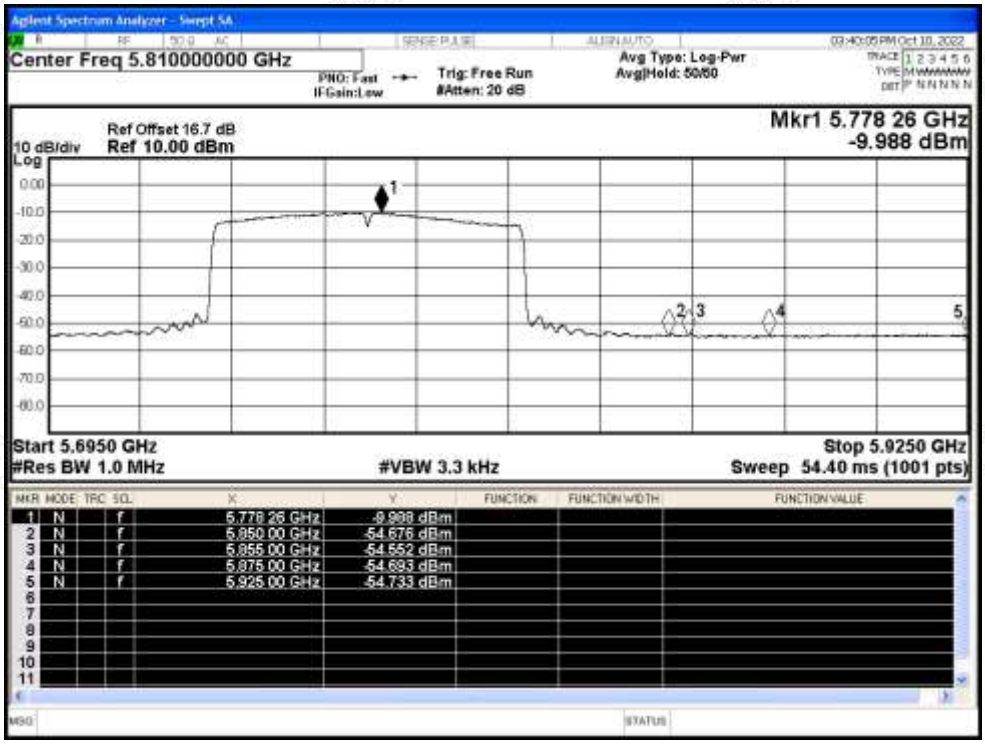
Restrict Band NVNT ac80-MIMO 5775MHz Ant1 Average



Restrict Band NVNT ac80-MIMO 5775MHz Ant1 Peak



Restrict Band NVNT ac80-MIMO 5775MHz Ant1 Average

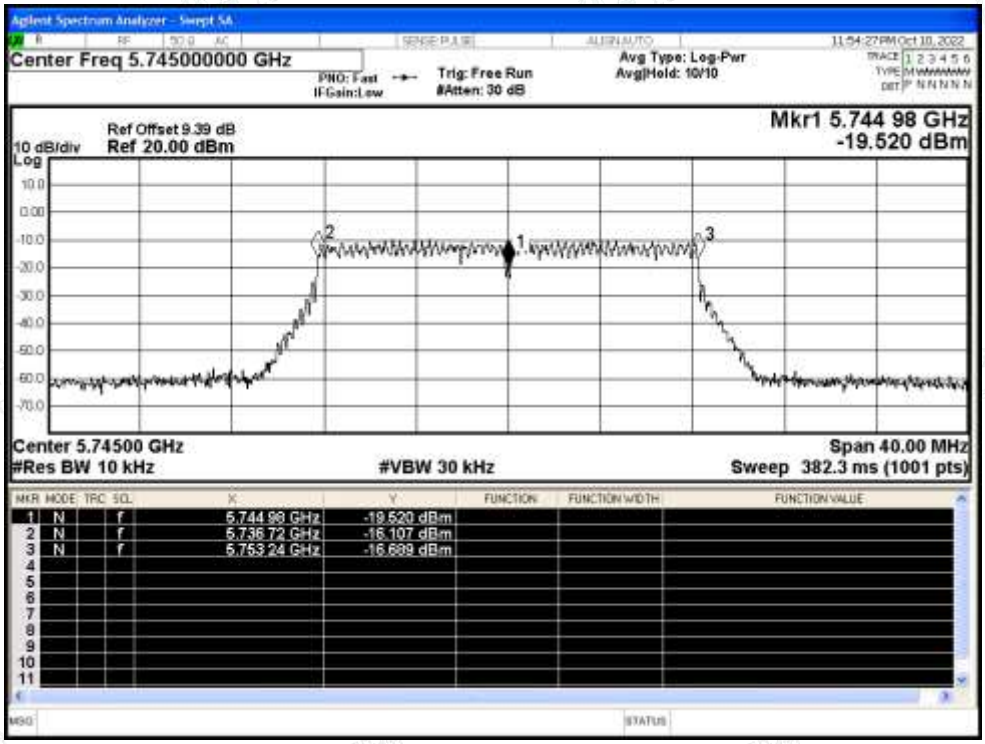


C.5 Frequency Stability

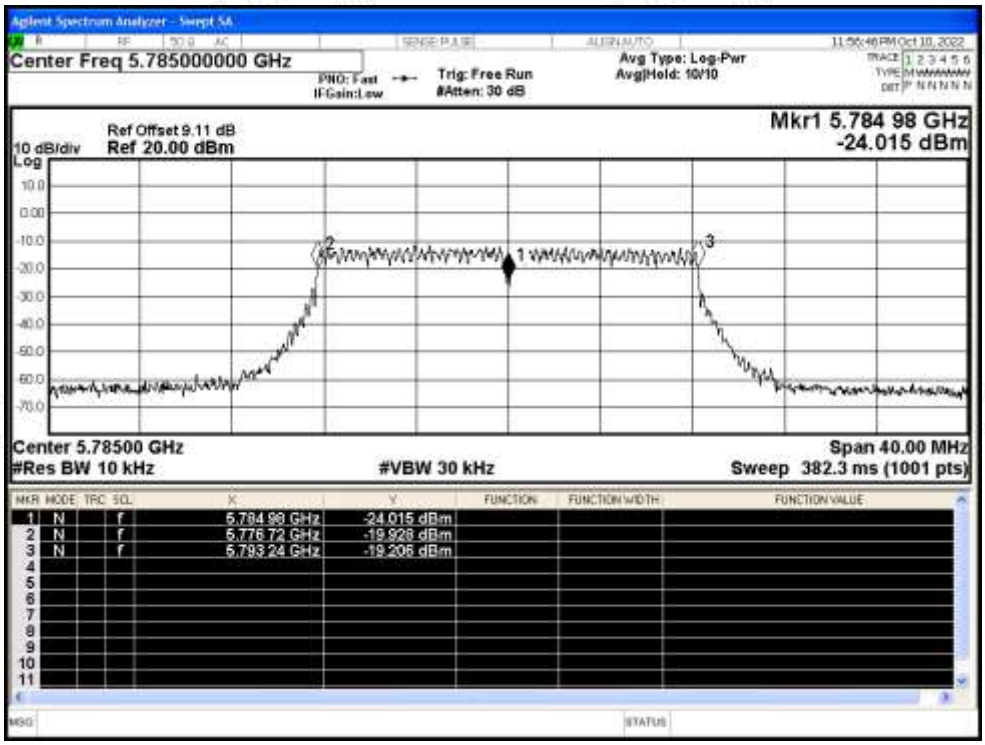
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant0	5744.98	-20000	-3.48	25	Pass
NVNT	a	5785	Ant0	5784.98	-20000	-3.46	25	Pass
NVNT	a	5825	Ant0	5824.98	-20000	-3.43	25	Pass
NVNT	n20	5745	Ant0	5745	0	0	25	Pass
NVNT	n20	5785	Ant0	5785	0	0	25	Pass
NVNT	n20	5825	Ant0	5825	0	0	25	Pass
NVNT	n40	5755	Ant0	5755	0	0	25	Pass
NVNT	n40	5795	Ant0	5794.96	-40000	-6.9	25	Pass
NVNT	ac20	5745	Ant0	5745	0	0	25	Pass
NVNT	ac20	5785	Ant0	5785	0	0	25	Pass
NVNT	ac20	5825	Ant0	5825	0	0	25	Pass
NVNT	ac40	5755	Ant0	5755	0	0	25	Pass
NVNT	ac40	5795	Ant0	5794.96	-40000	-6.9	25	Pass
NVNT	ac80	5775	Ant0	5774.92	-80000	-13.85	25	Pass

Test Graphs

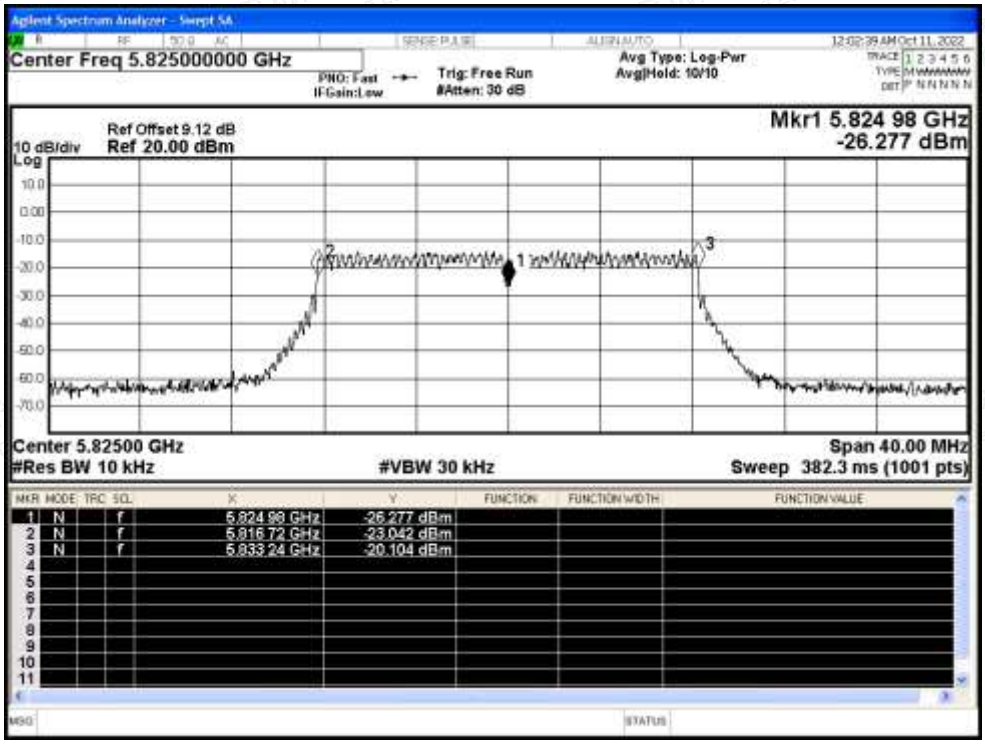
Freq. Stability NVNT a 5745MHz Ant0



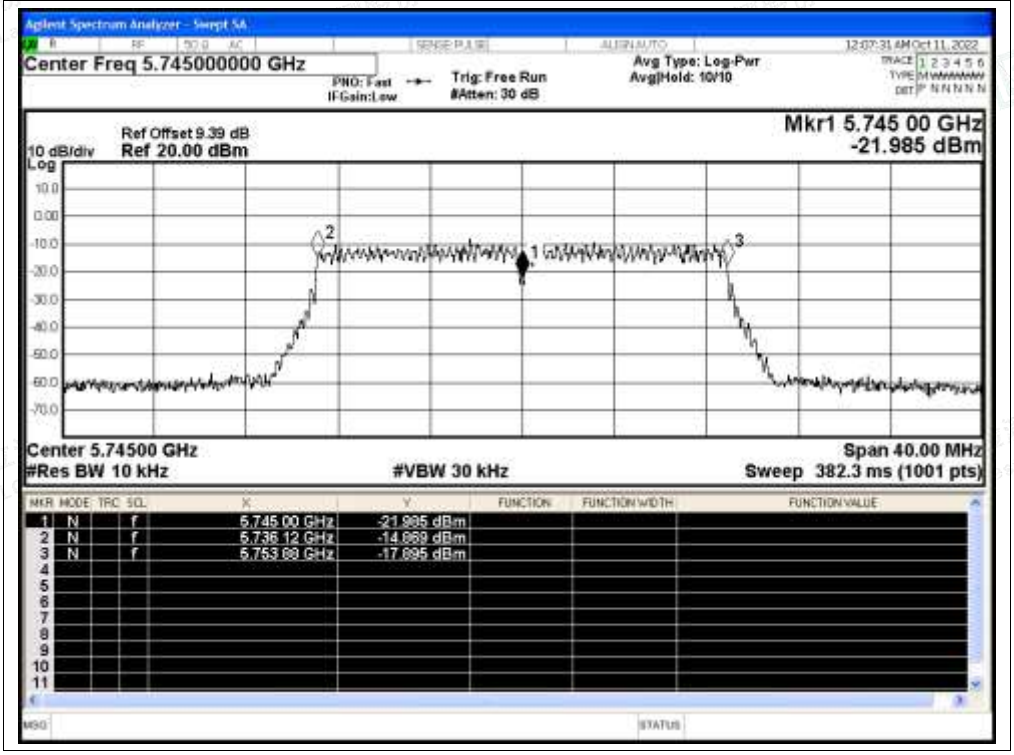
Freq. Stability NVNT a 5785MHz Ant0



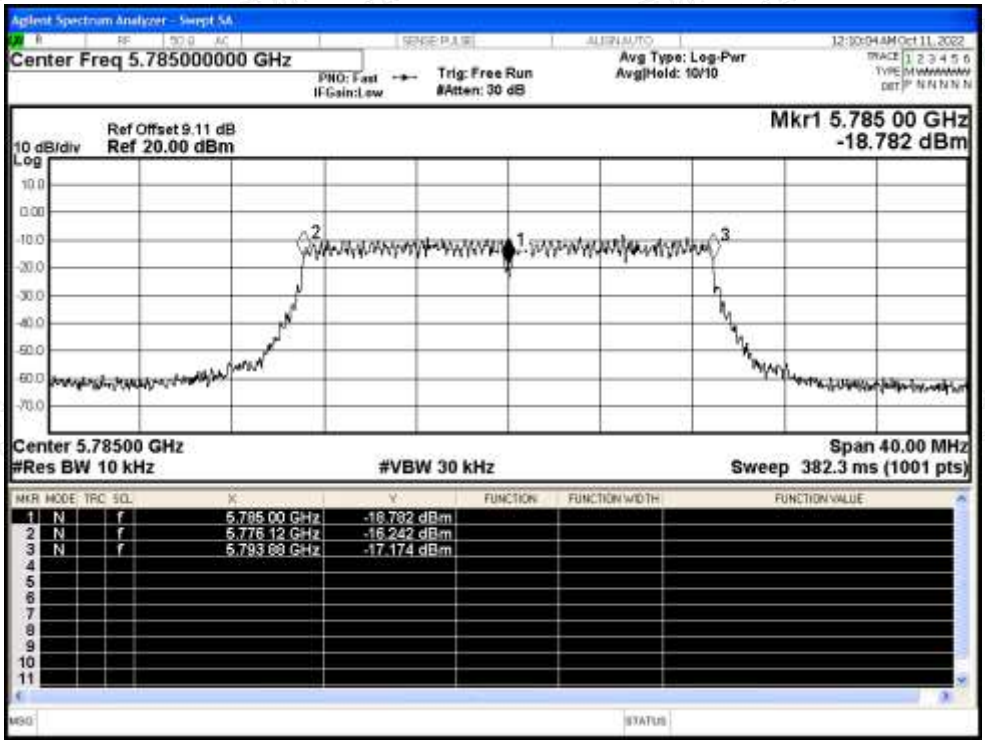
Freq. Stability NVNT a 5825MHz Ant0



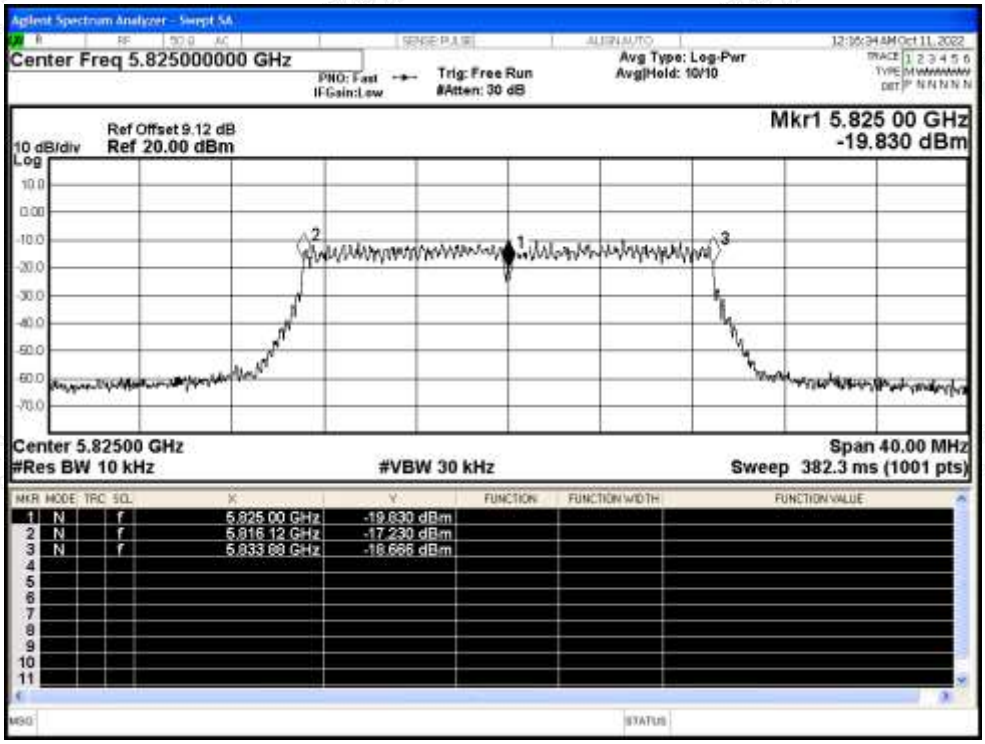
Freq. Stability NVNT n20 5745MHz Ant0



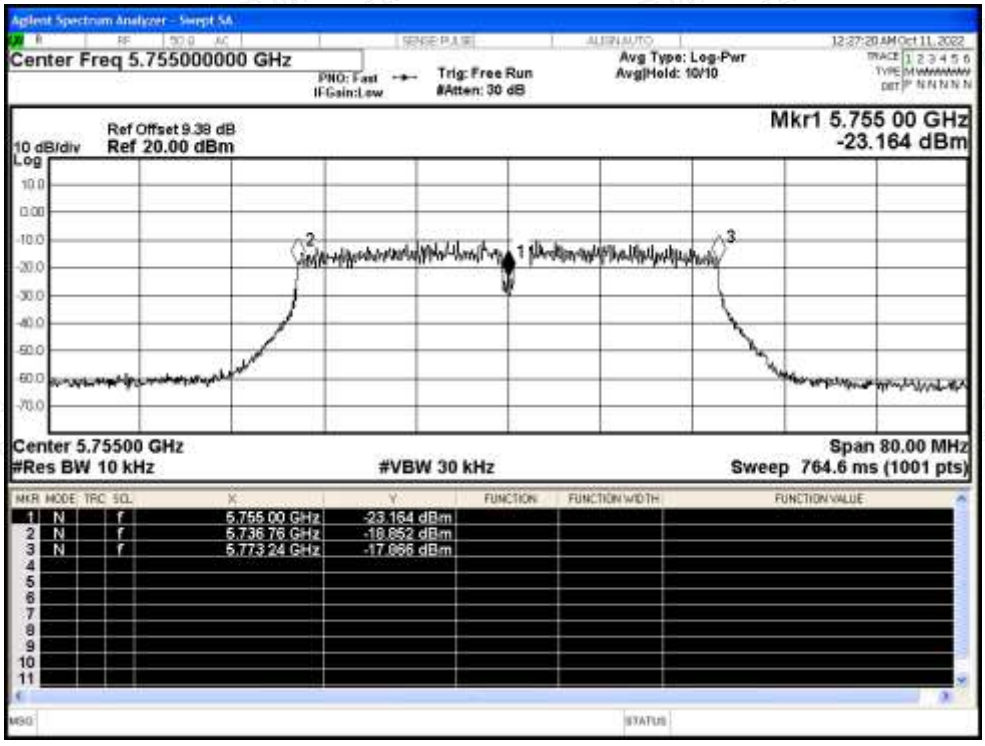
Freq. Stability NVNT n20 5785MHz Ant0



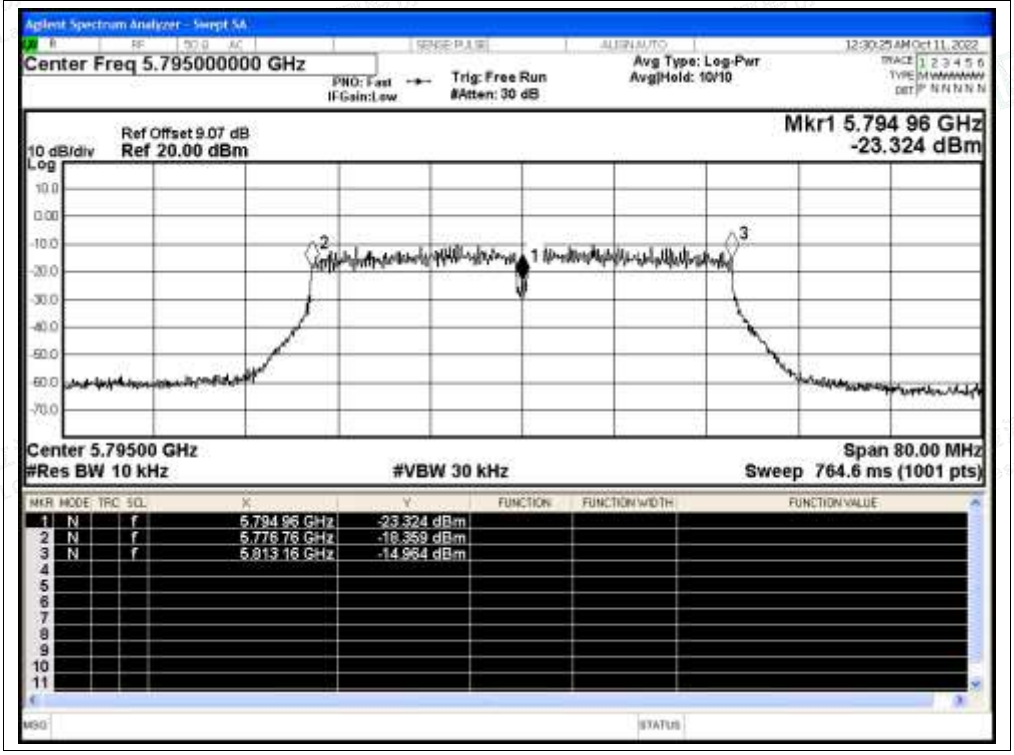
Freq. Stability NVNT n20 5825MHz Ant0



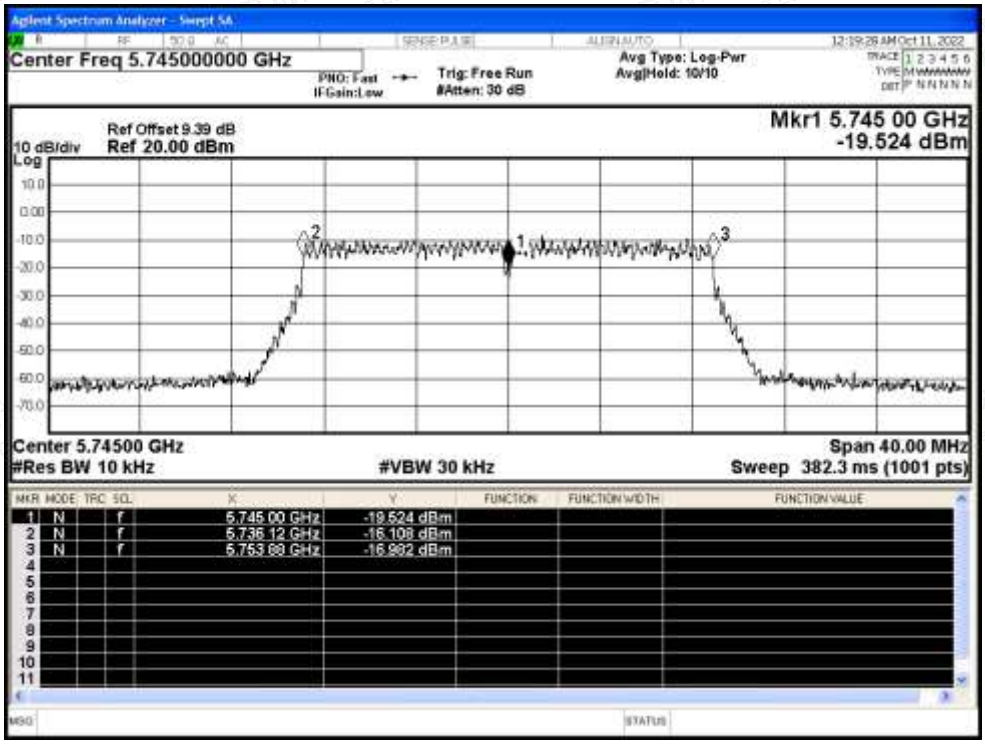
Freq. Stability NVNT n40 5755MHz Ant0



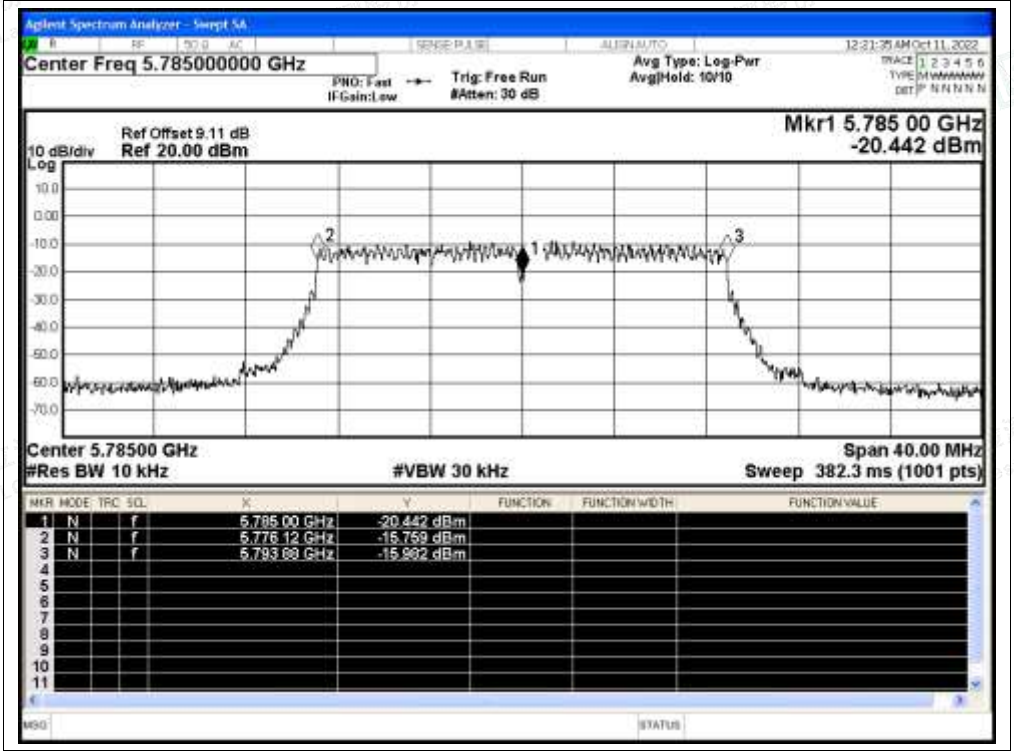
Freq. Stability NVNT n40 5795MHz Ant0



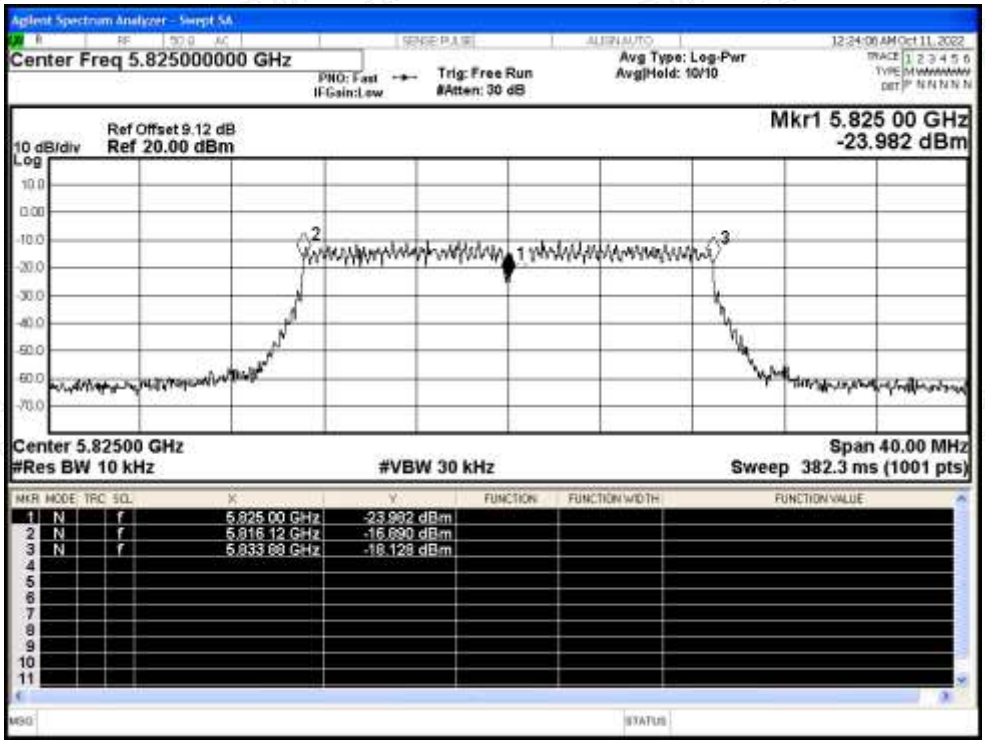
Freq. Stability NVNT ac20 5745MHz Ant0



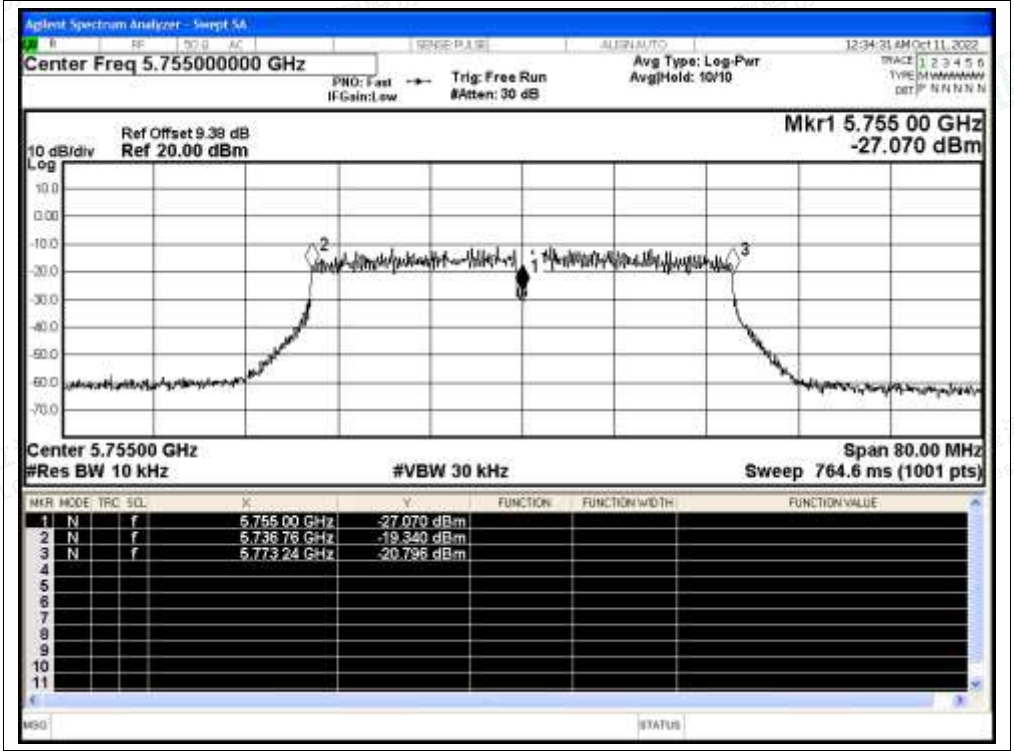
Freq. Stability NVNT ac20 5785MHz Ant0



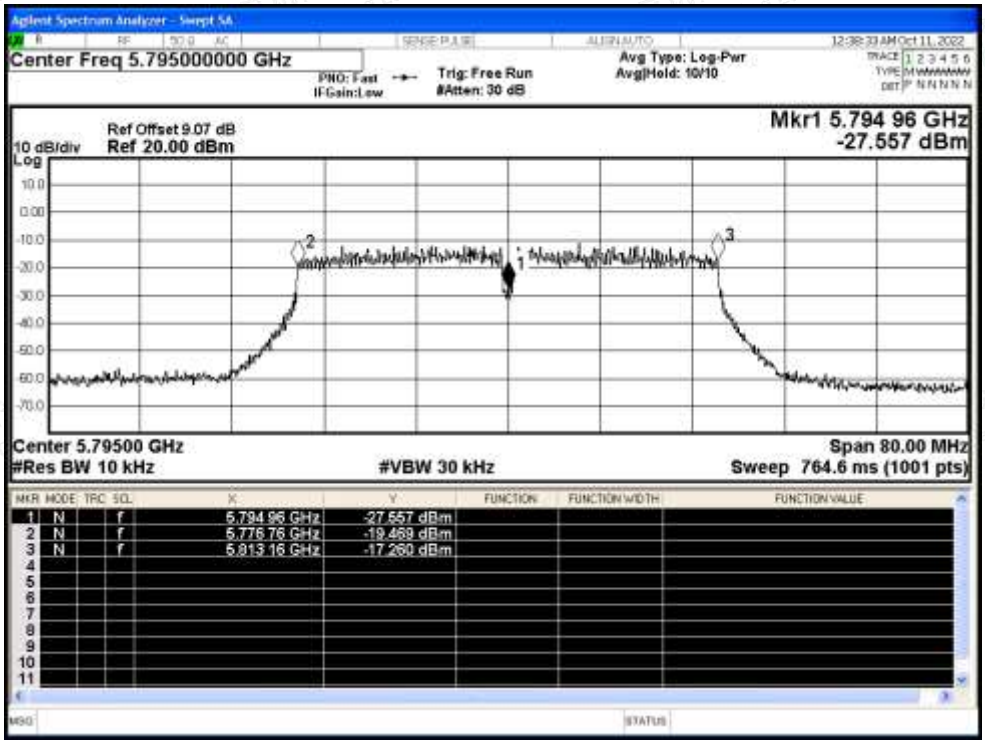
Freq. Stability NVNT ac20 5825MHz Ant0



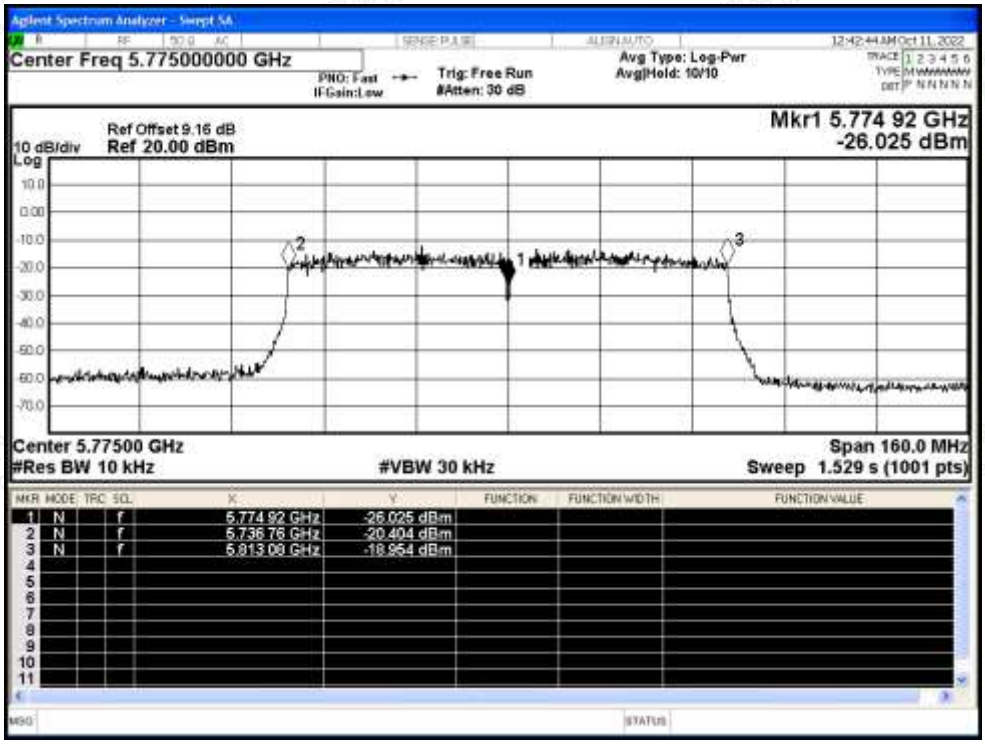
Freq. Stability NVNT ac40 5755MHz Ant0



Freq. Stability NVNT ac40 5795MHz Ant0



Freq. Stability NVNT ac80 5775MHz Ant0



Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
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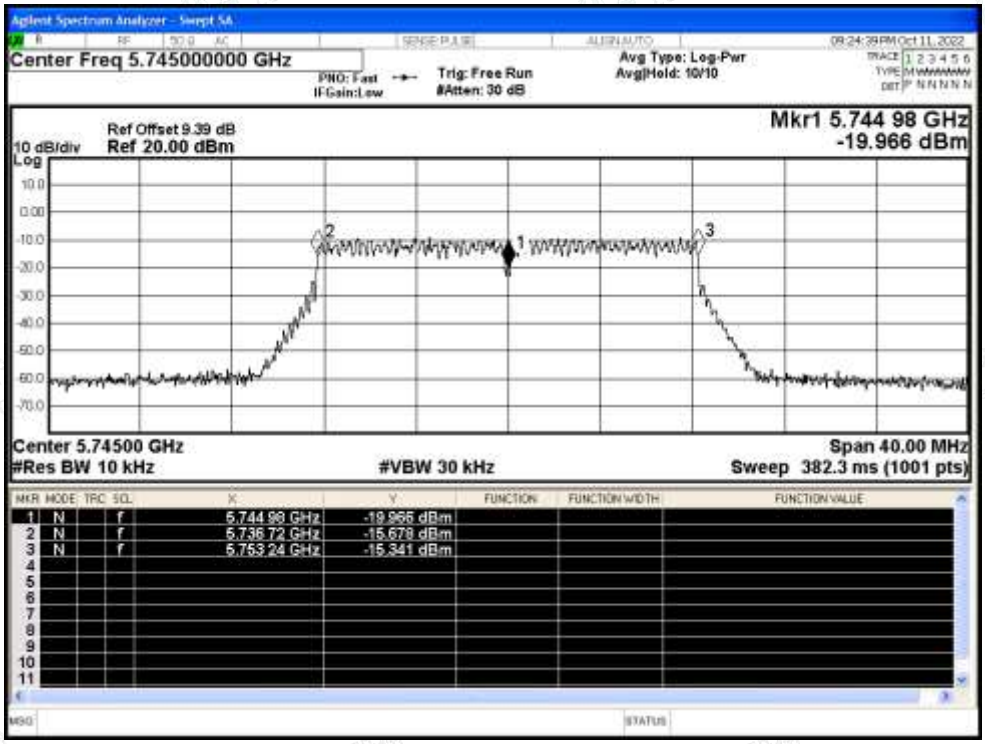
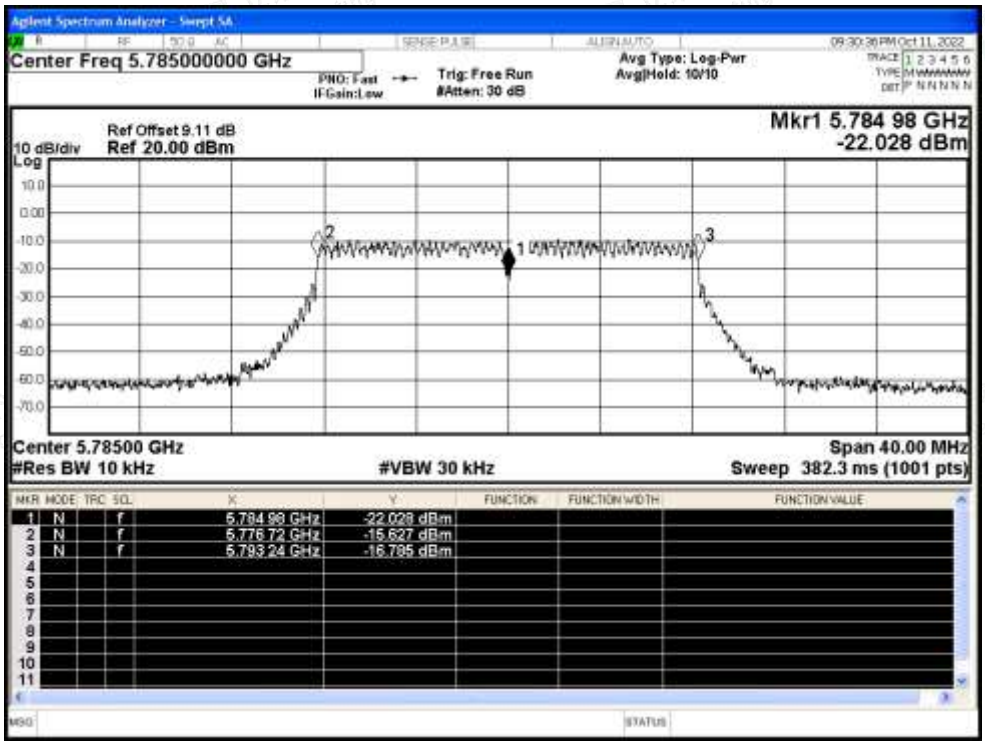
NVNT	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
NVNT	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
NVNT	n20	5745	Ant1	5745	0	0	25	Pass
NVNT	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
NVNT	n20	5825	Ant1	5825	0	0	25	Pass
NVNT	n40	5755	Ant1	5755	0	0	25	Pass
NVNT	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
NVNT	ac20	5745	Ant1	5745	0	0	25	Pass
NVNT	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
NVNT	ac20	5825	Ant1	5825	0	0	25	Pass
NVNT	ac40	5755	Ant1	5755	0	0	25	Pass
NVNT	ac40	5795	Ant1	5795	0	0	25	Pass
NVNT	ac80	5775	Ant1	5774.92	-80000	-13.85	25	Pass

Test Graphs

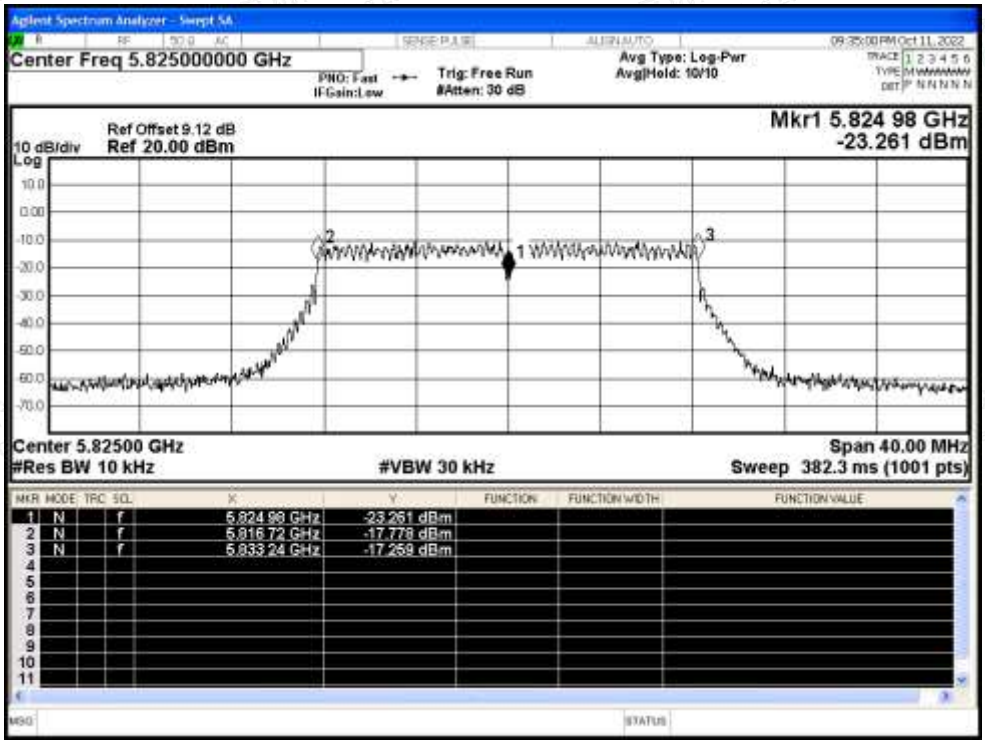
Freq. Stability NVNT a 5745MHz Ant1



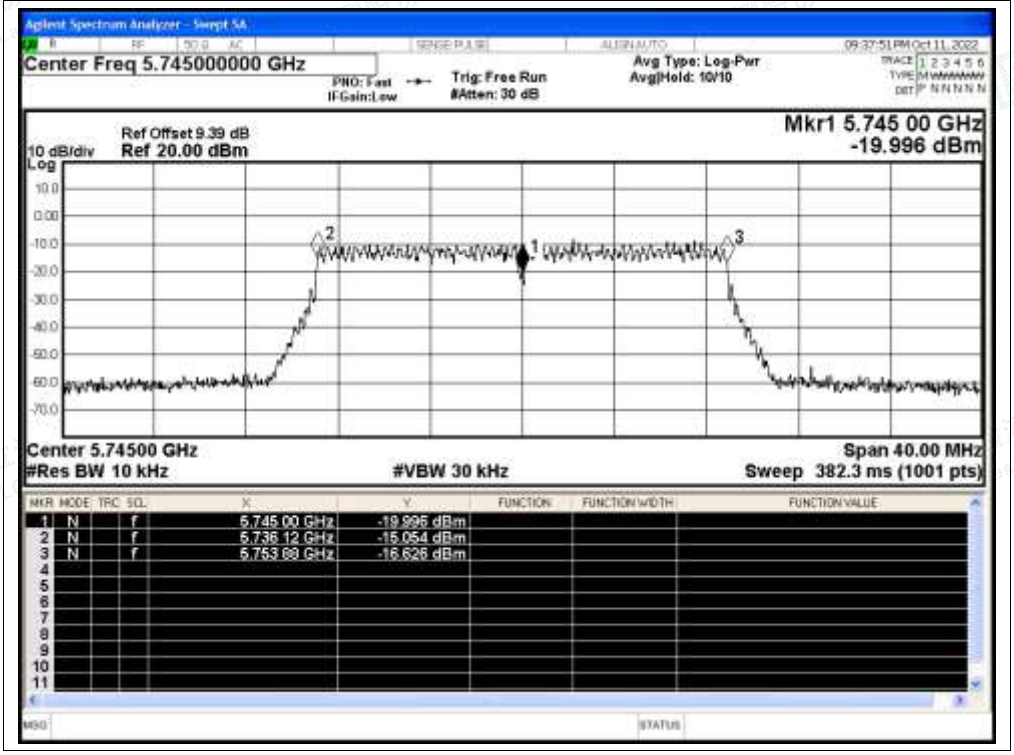
Freq. Stability NVNT a 5785MHz Ant1



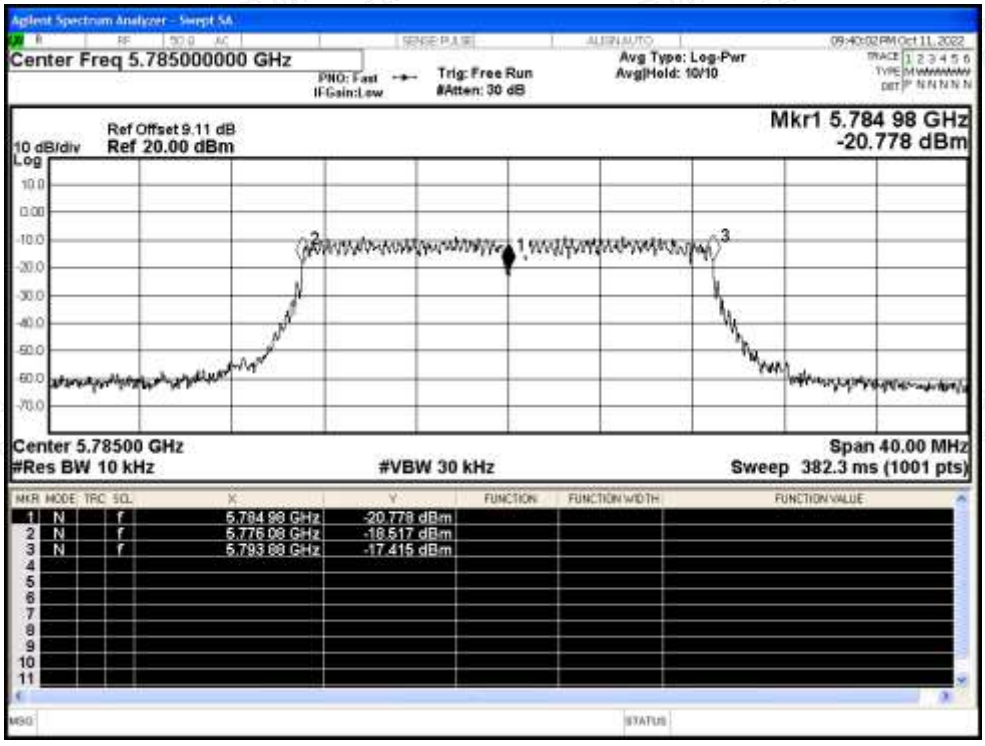
Freq. Stability NVNT a 5825MHz Ant1



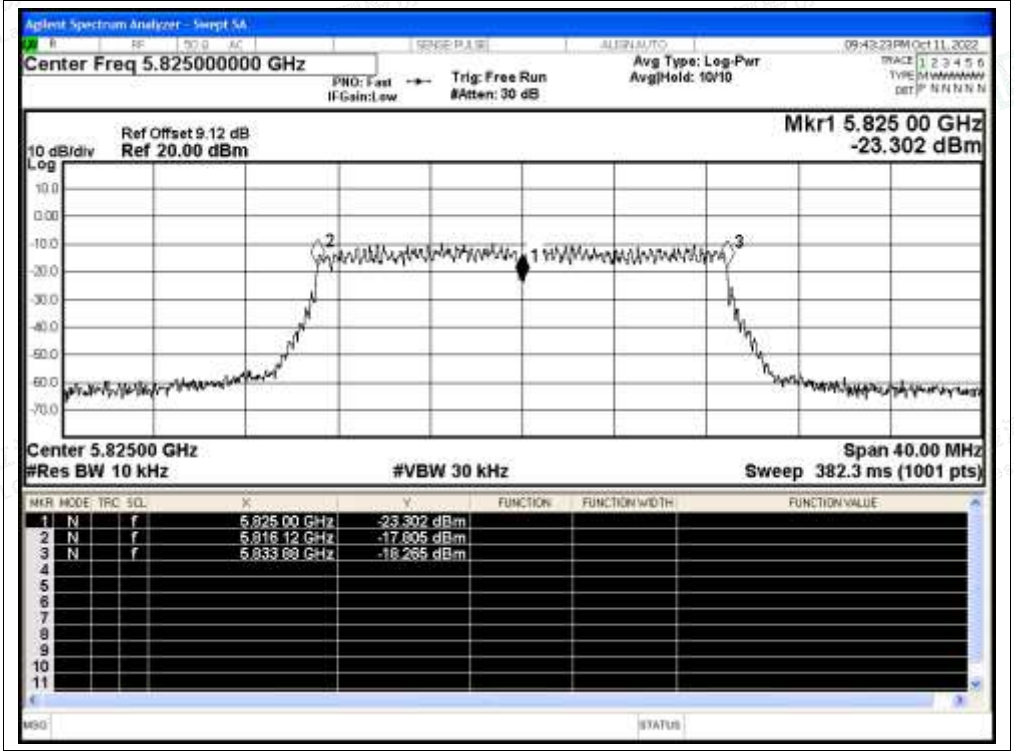
Freq. Stability NVNT n20 5745MHz Ant1



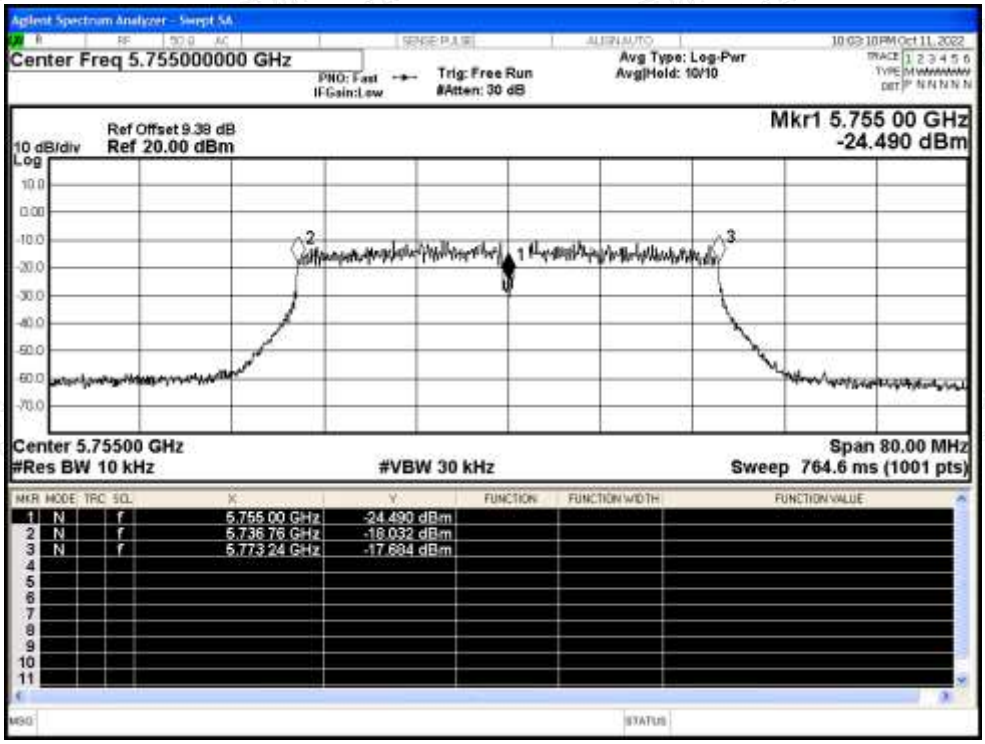
Freq. Stability NVNT n20 5785MHz Ant1



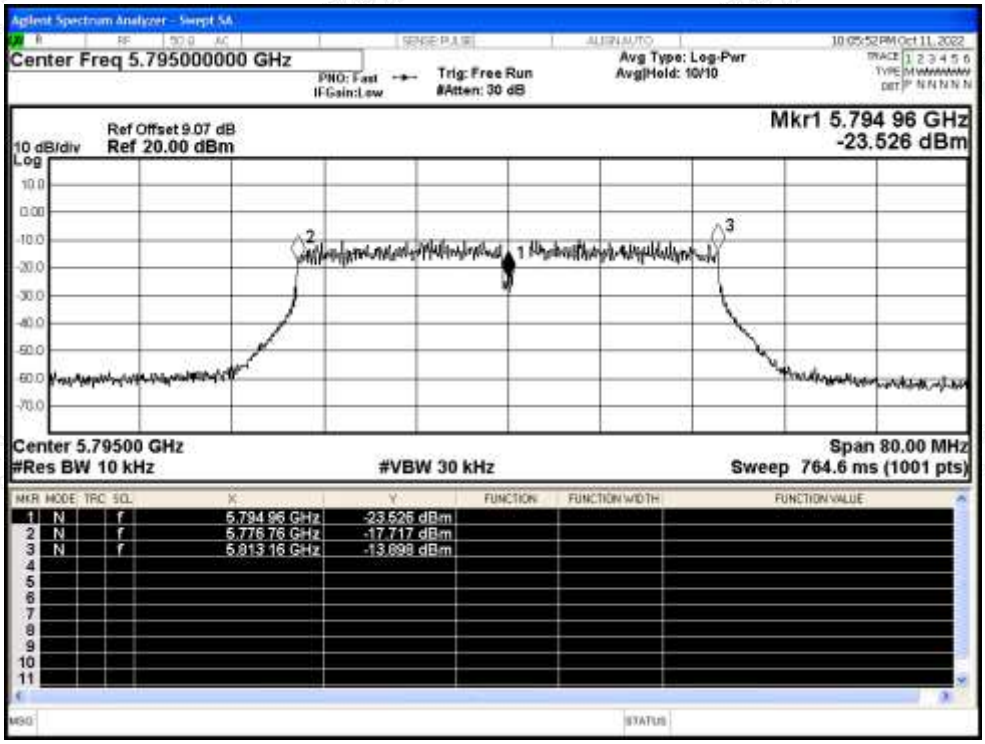
Freq. Stability NVNT n20 5825MHz Ant1



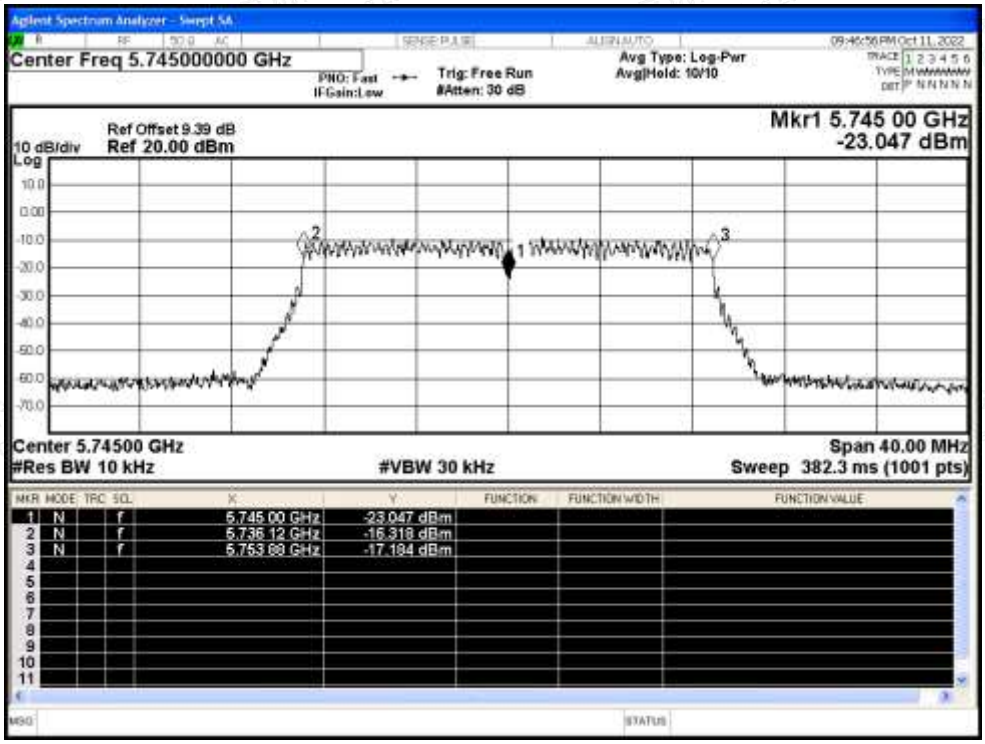
Freq. Stability NVNT n40 5755MHz Ant1



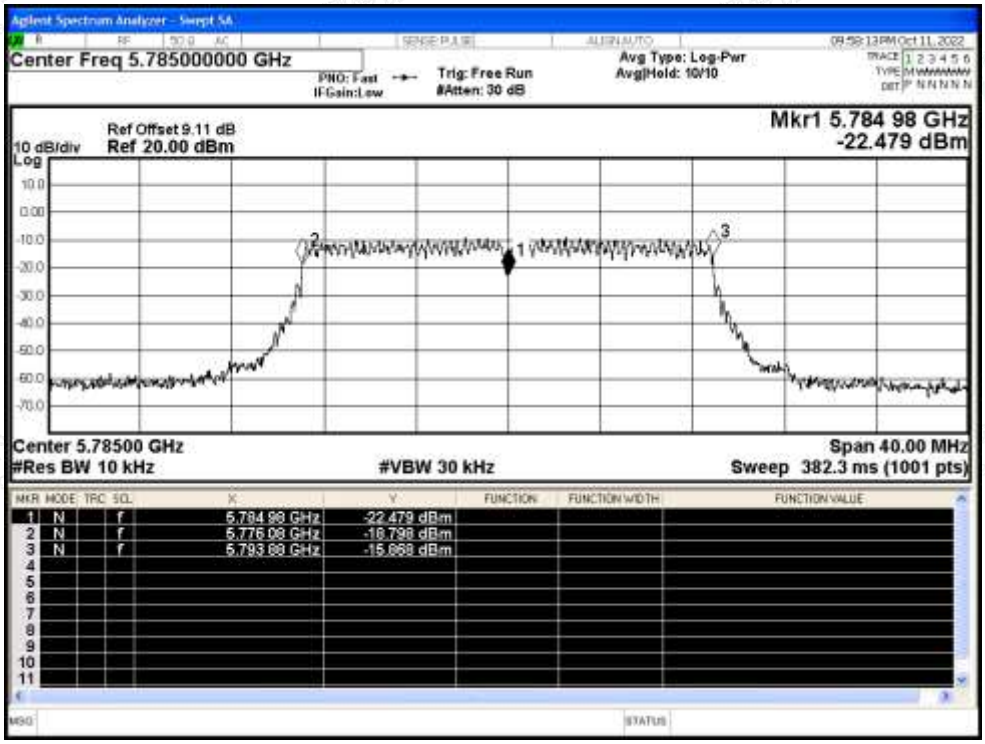
Freq. Stability NVNT n40 5795MHz Ant1



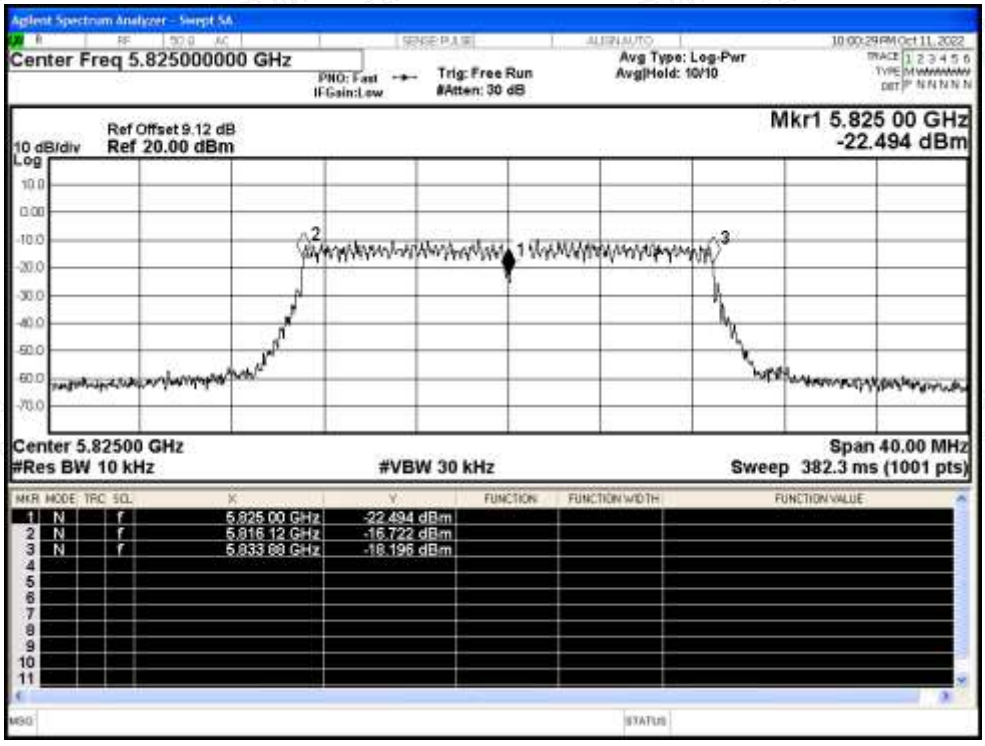
Freq. Stability NVNT ac20 5745MHz Ant1



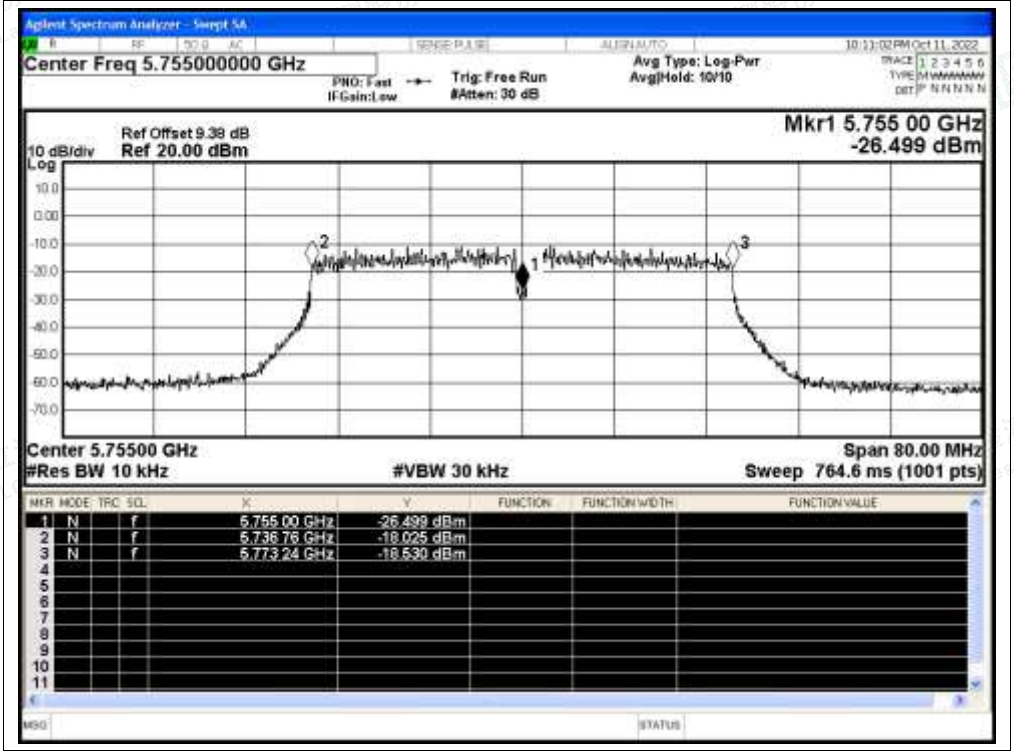
Freq. Stability NVNT ac20 5785MHz Ant1



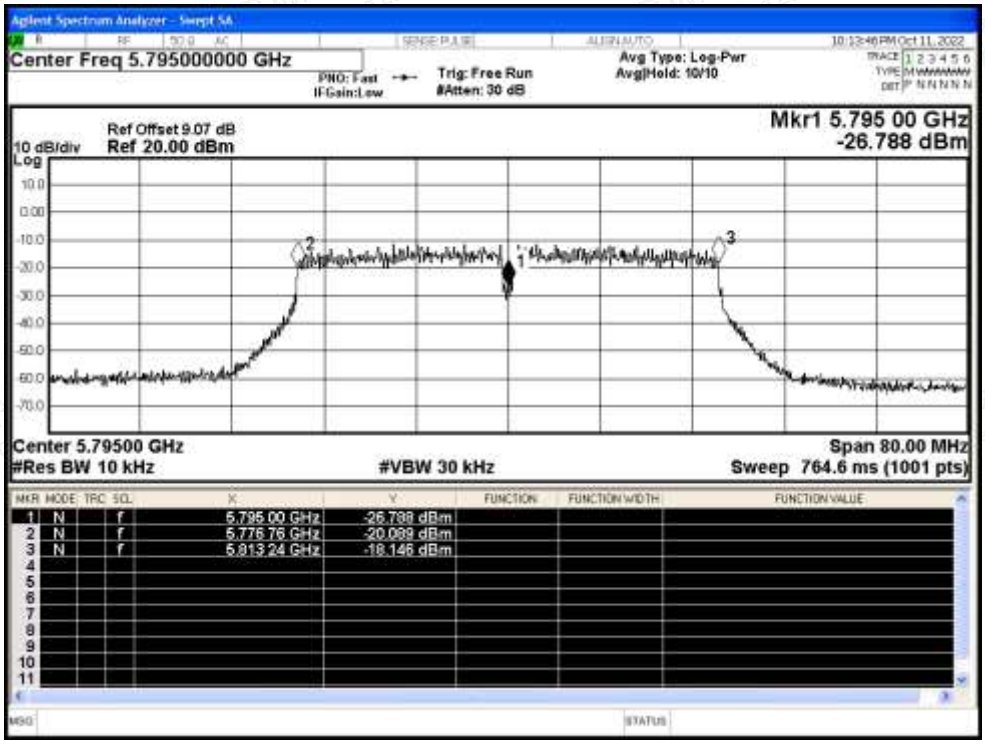
Freq. Stability NVNT ac20 5825MHz Ant1



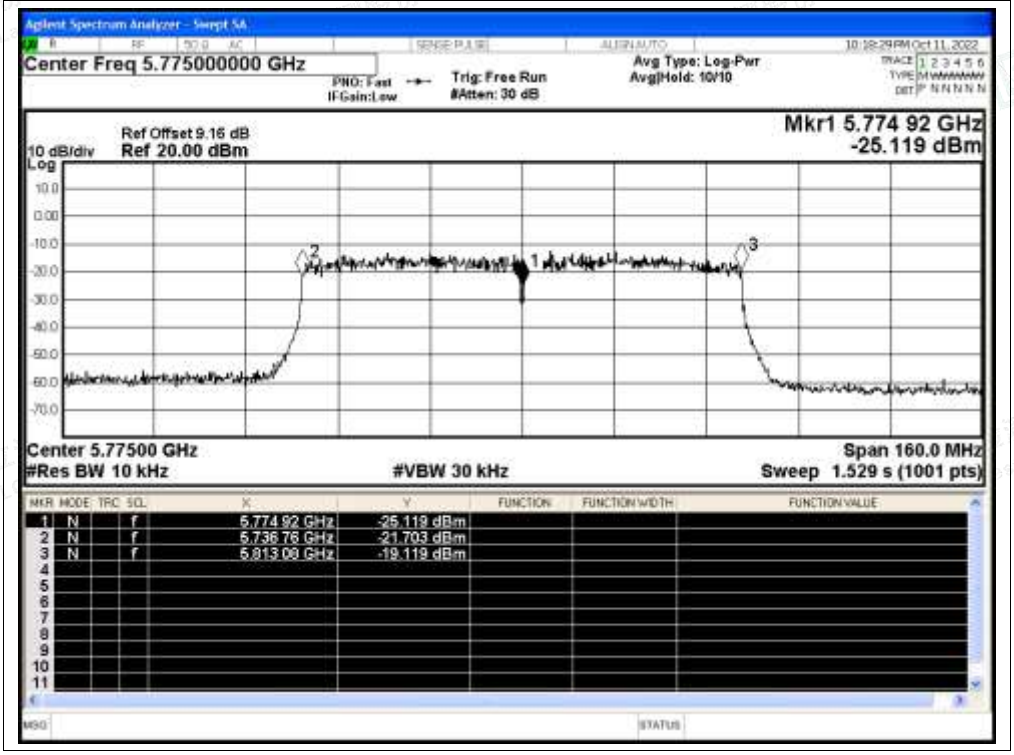
Freq. Stability NVNT ac40 5755MHz Ant1



Freq. Stability NVNT ac40 5795MHz Ant1



Freq. Stability NVNT ac80 5775MHz Ant1

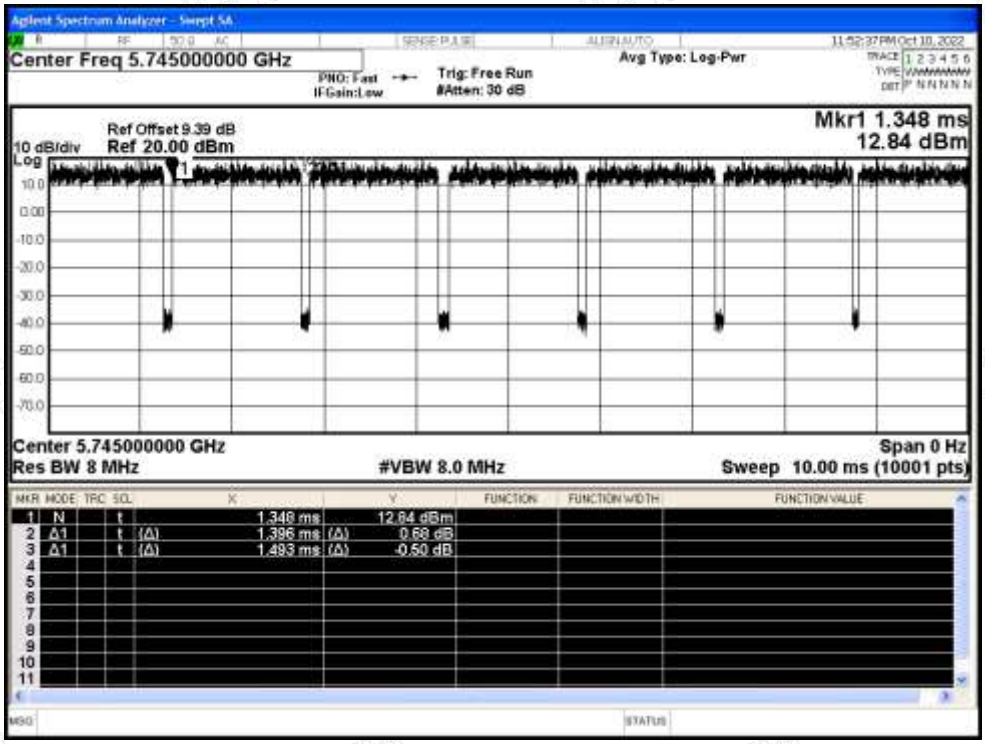


C.6 Duty Cycle

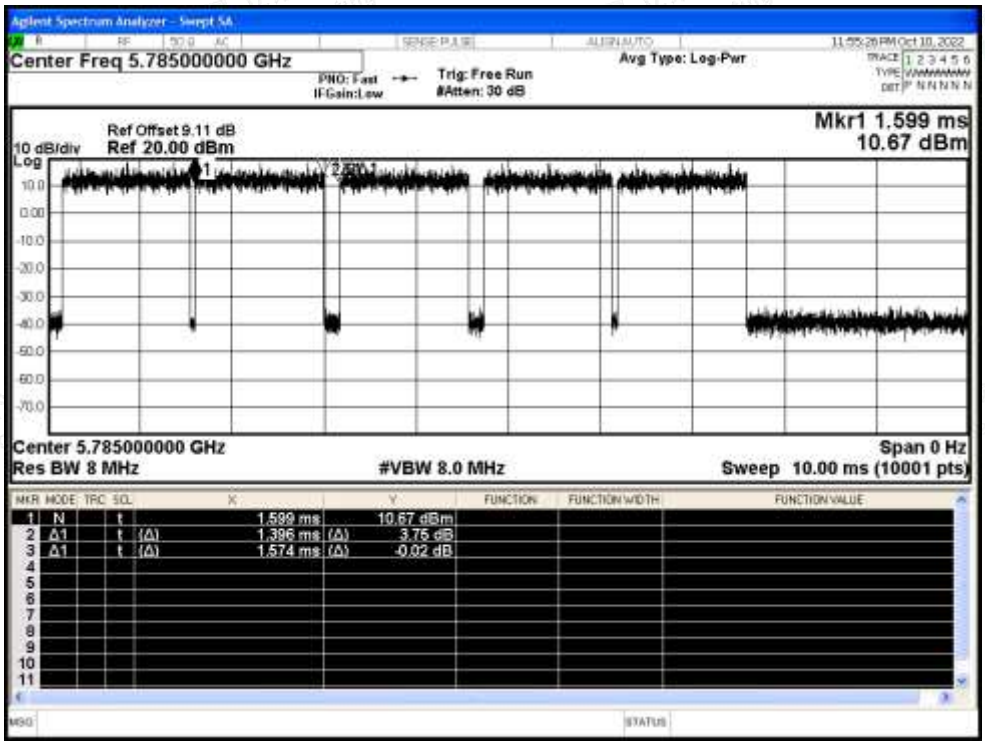
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant0	93.5	0.29	0.72
NVNT	a	5785	Ant0	88.69	0.52	0.72
NVNT	a	5825	Ant0	92.46	0.34	0.72
NVNT	n20	5745	Ant0	90.84	0.42	0.76
NVNT	n20	5785	Ant0	94.38	0.25	0.76
NVNT	n20	5825	Ant0	88.09	0.55	0.76
NVNT	n40	5755	Ant0	91.4	0.39	1.54
NVNT	n40	5795	Ant0	77.6	1.1	1.54
NVNT	ac20	5745	Ant0	91.96	0.36	0.76
NVNT	ac20	5785	Ant0	91.96	0.36	0.76
NVNT	ac20	5825	Ant0	91.39	0.39	0.76
NVNT	ac40	5755	Ant0	90.48	0.43	1.52
NVNT	ac40	5795	Ant0	89.25	0.49	1.52
NVNT	ac80	5775	Ant0	64.54	1.9	3.09

Test Graphs

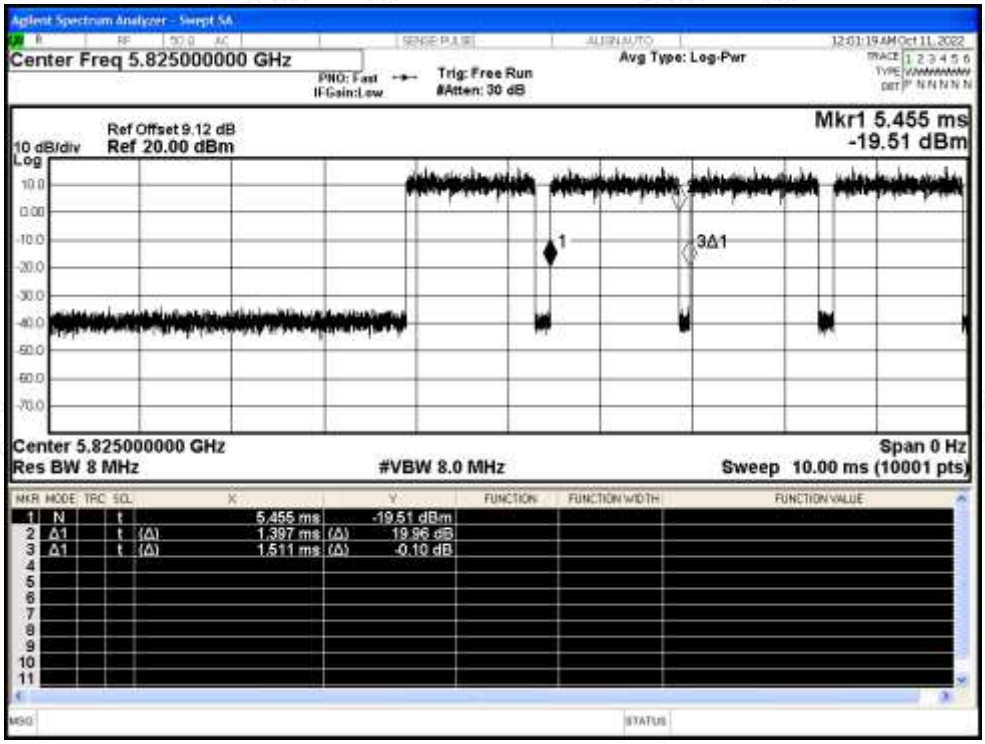
Duty Cycle NVNT a 5745MHz Ant0



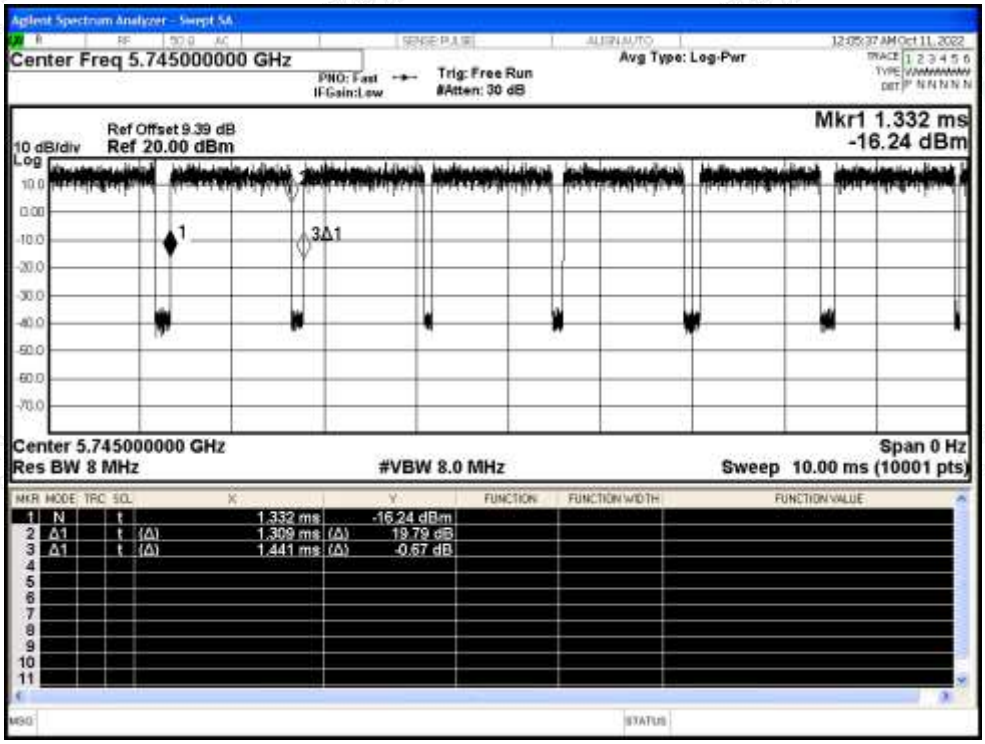
Duty Cycle NVNT a 5785MHz Ant0



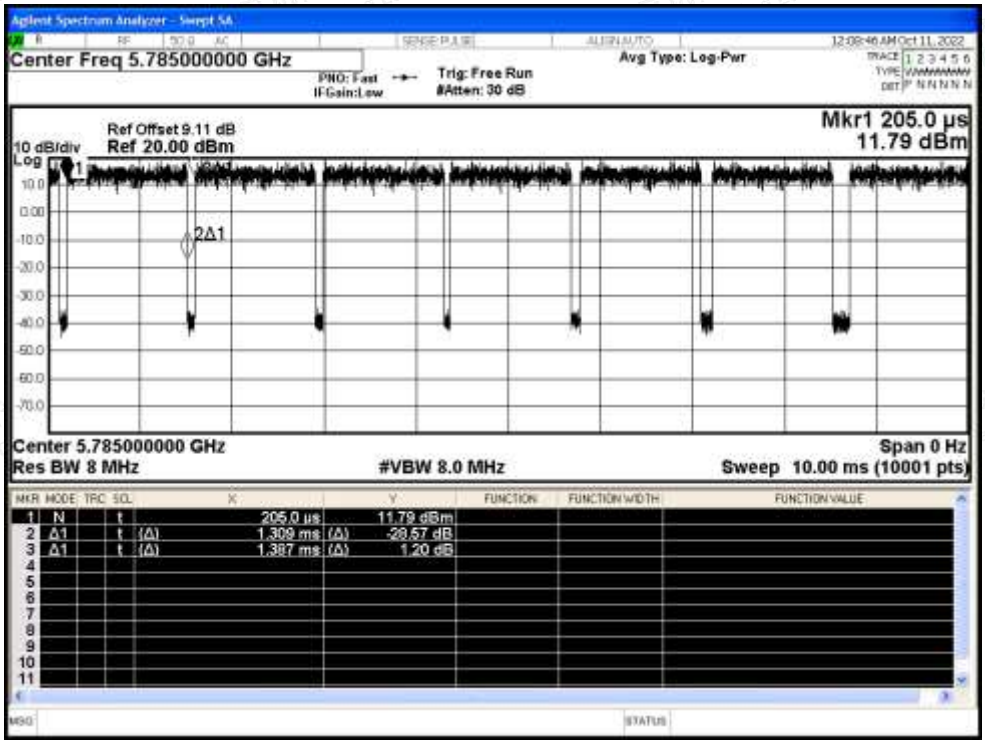
Duty Cycle NVNT a 5825MHz Ant0



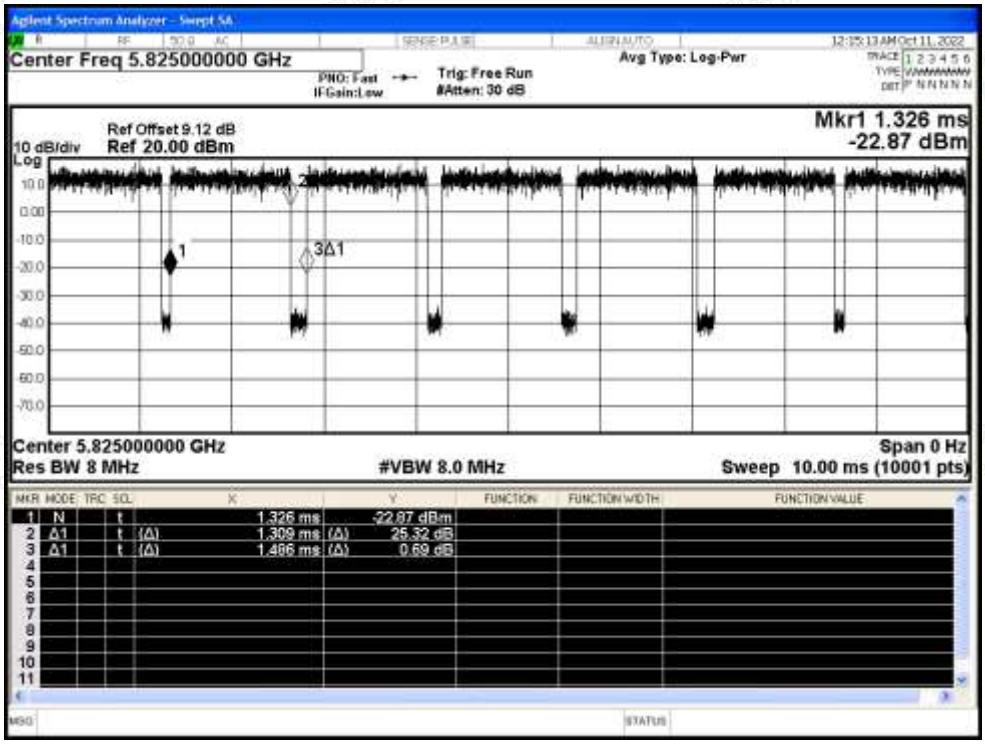
Duty Cycle NVNT n20 5745MHz Ant0



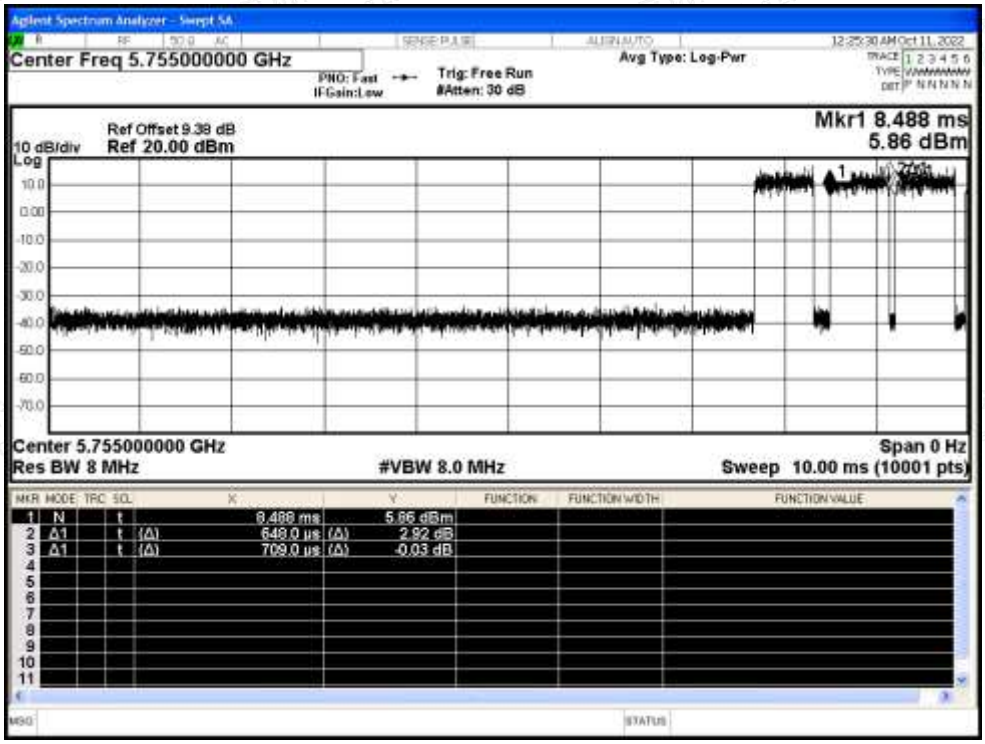
Duty Cycle NVNT n20 5785MHz Ant0



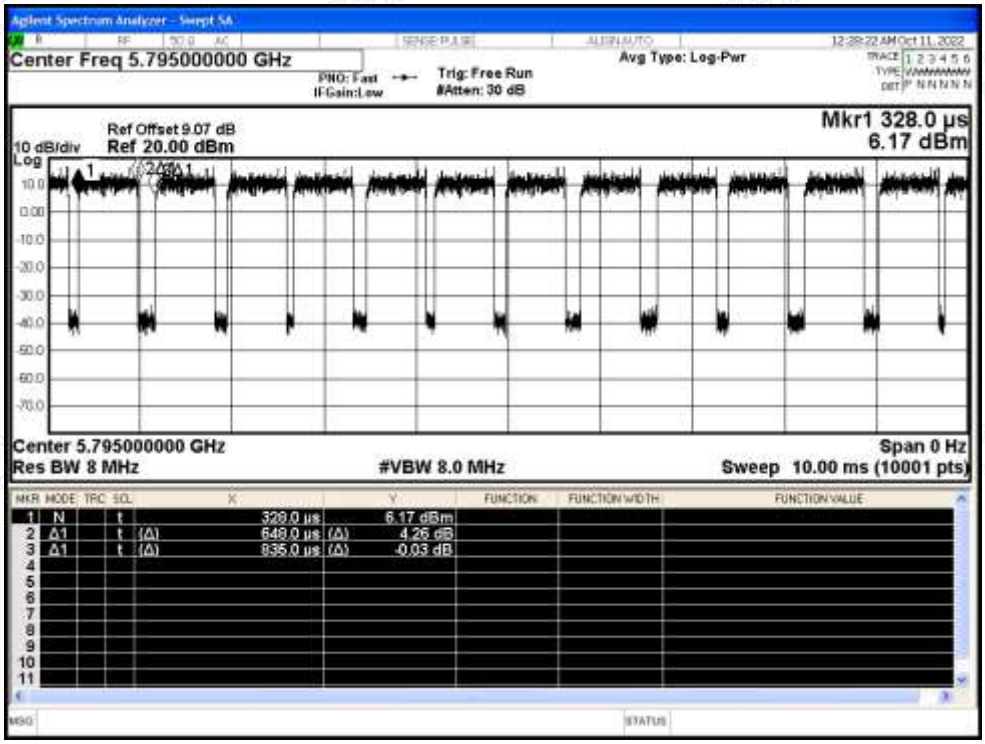
Duty Cycle NVNT n20 5825MHz Ant0



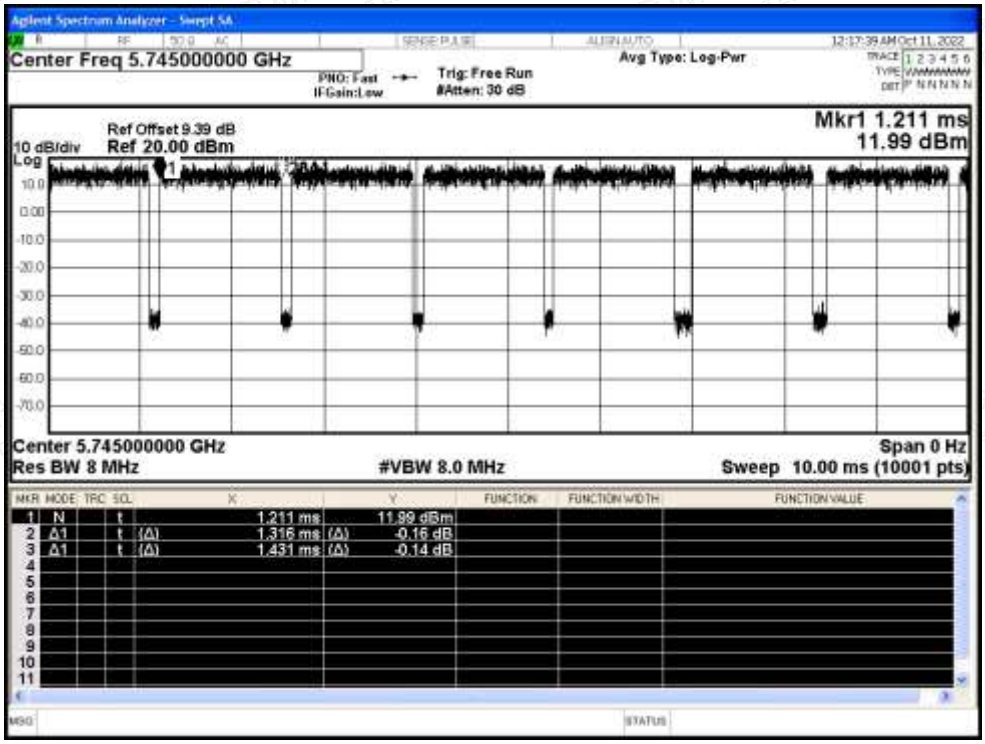
Duty Cycle NVNT n40 5755MHz Ant0



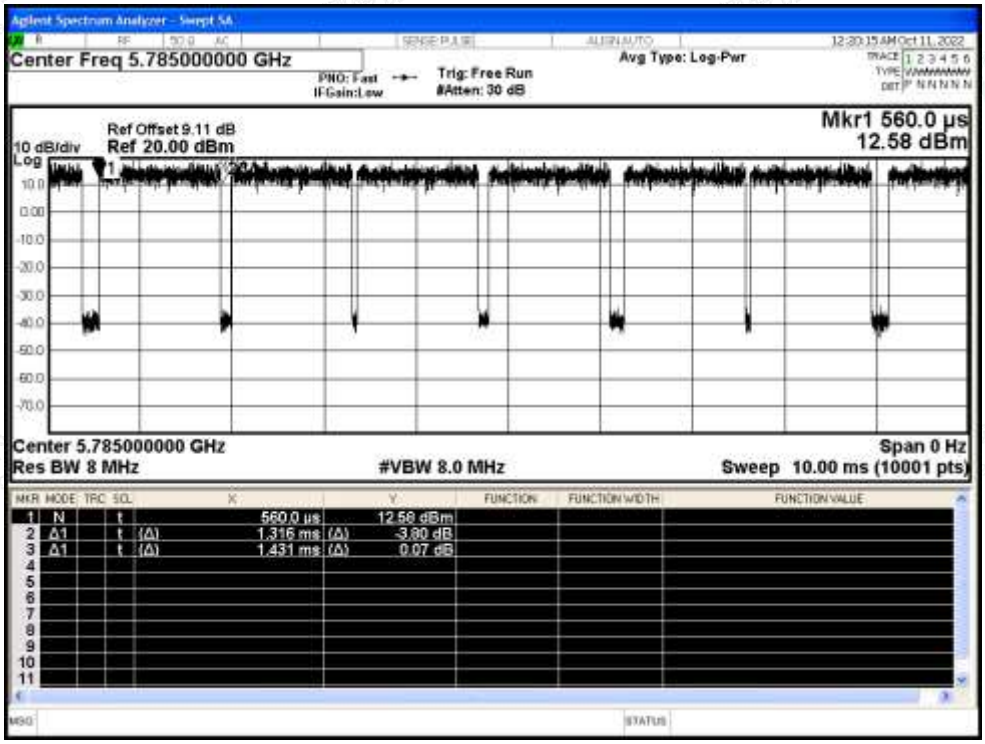
Duty Cycle NVNT n40 5795MHz Ant0



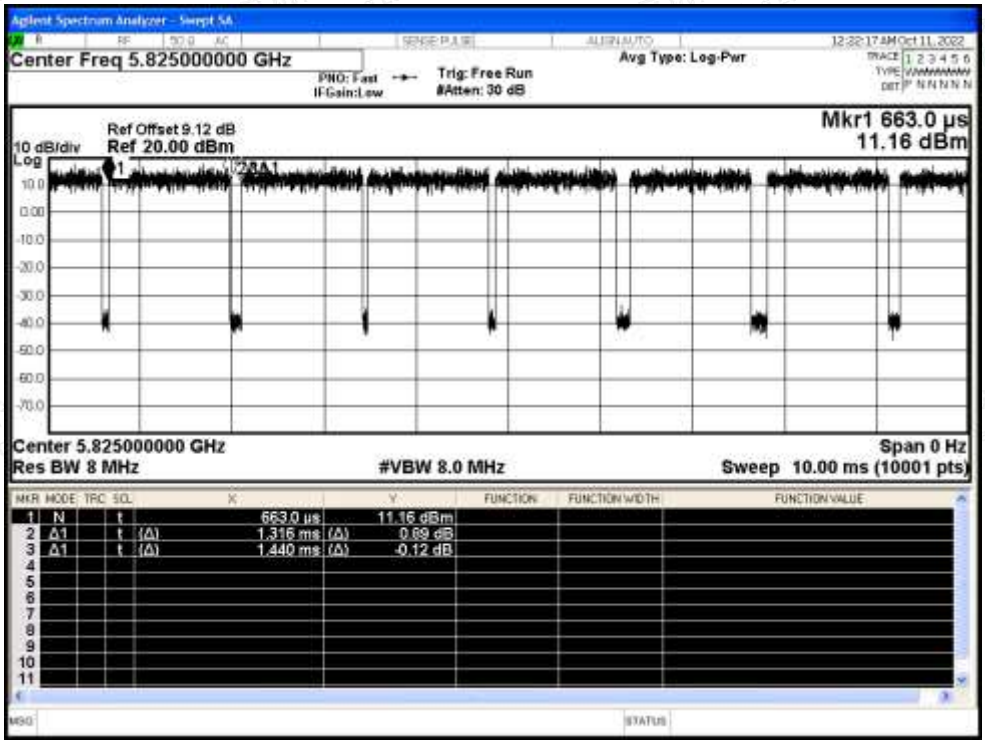
Duty Cycle NVNT ac20 5745MHz Ant0



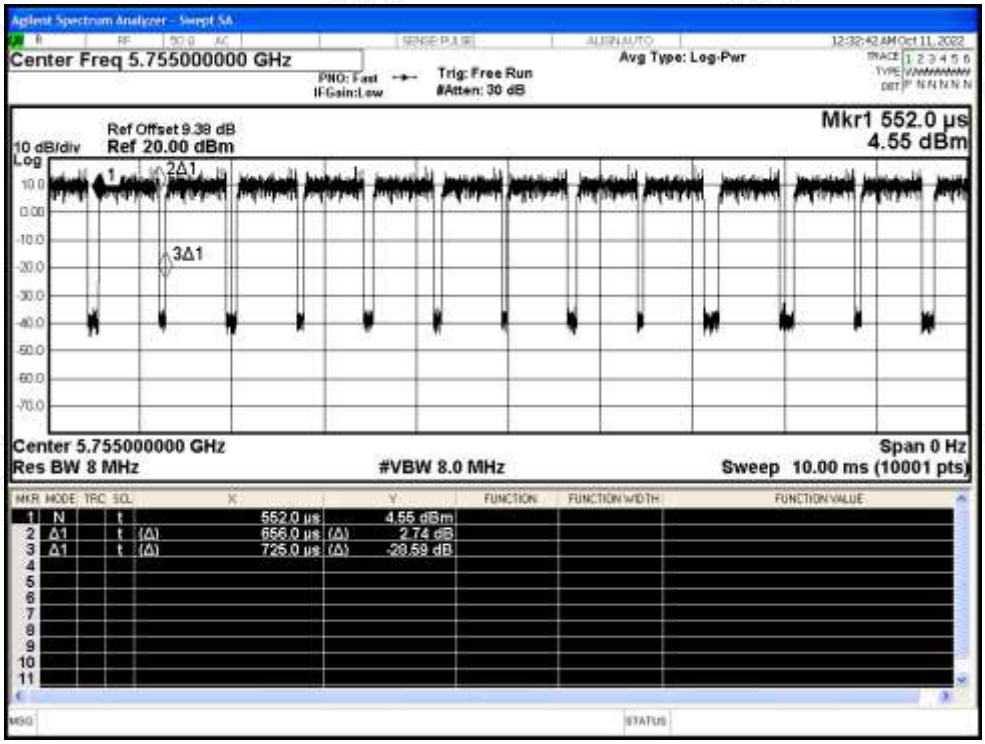
Duty Cycle NVNT ac20 5785MHz Ant0



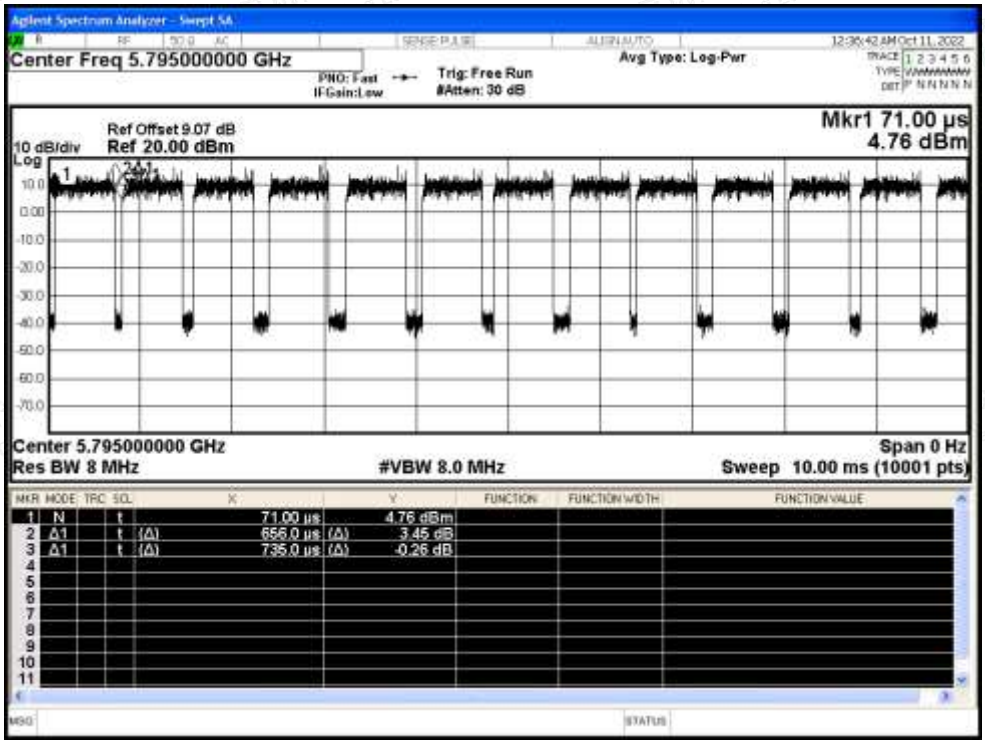
Duty Cycle NVNT ac20 5825MHz Ant0



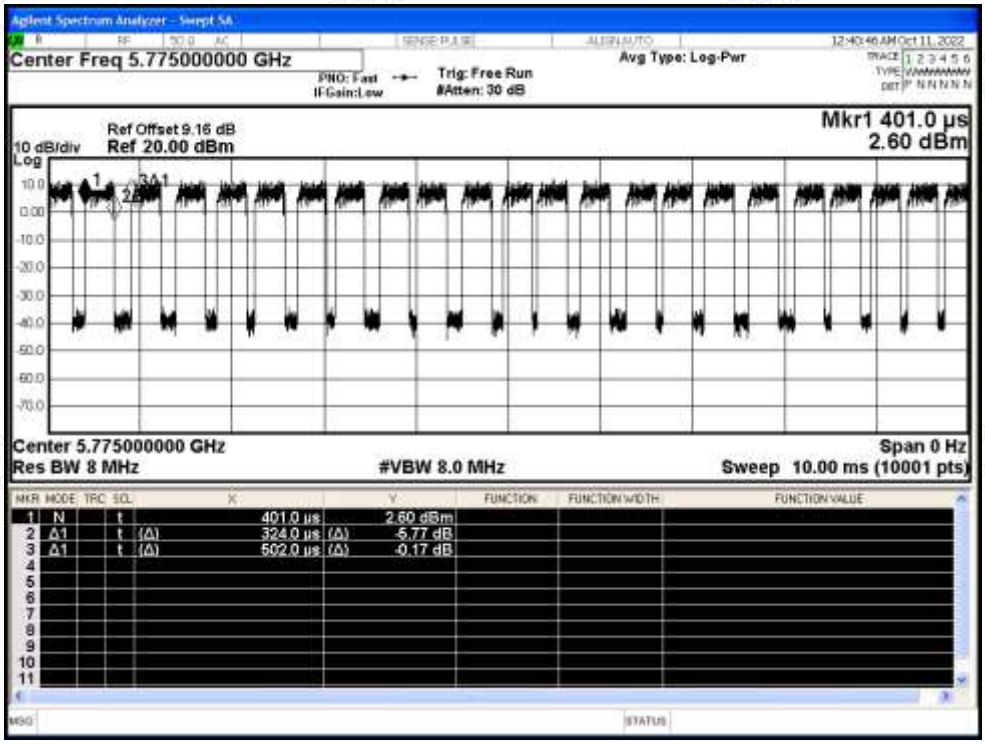
Duty Cycle NVNT ac40 5755MHz Ant0



Duty Cycle NVNT ac40 5795MHz Ant0



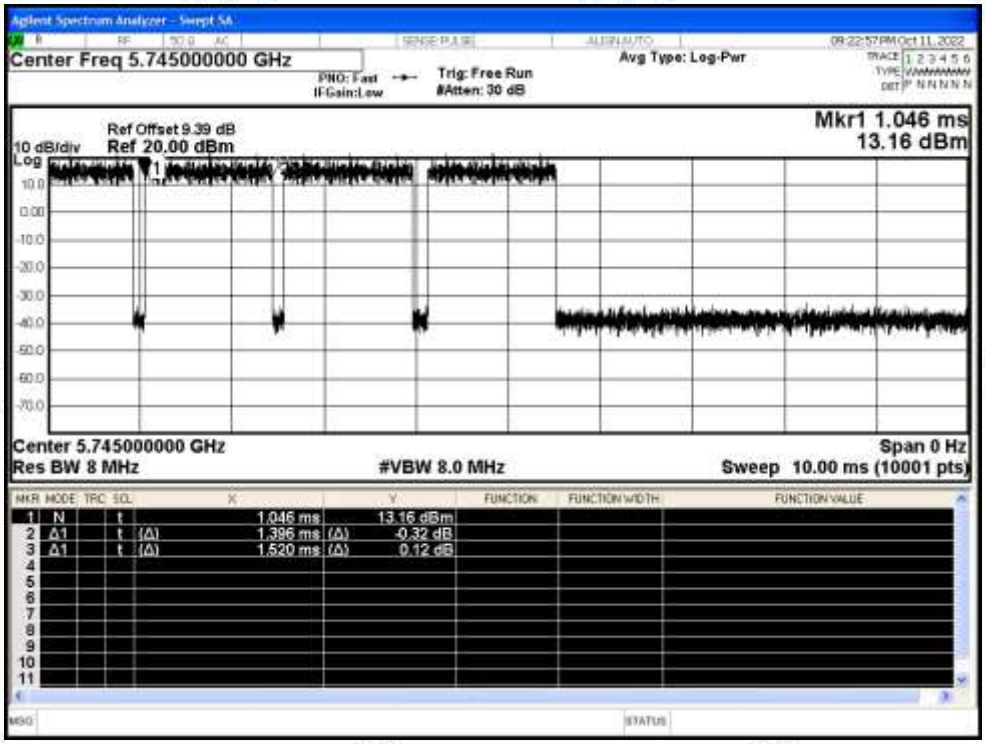
Duty Cycle NVNT ac80 5775MHz Ant0



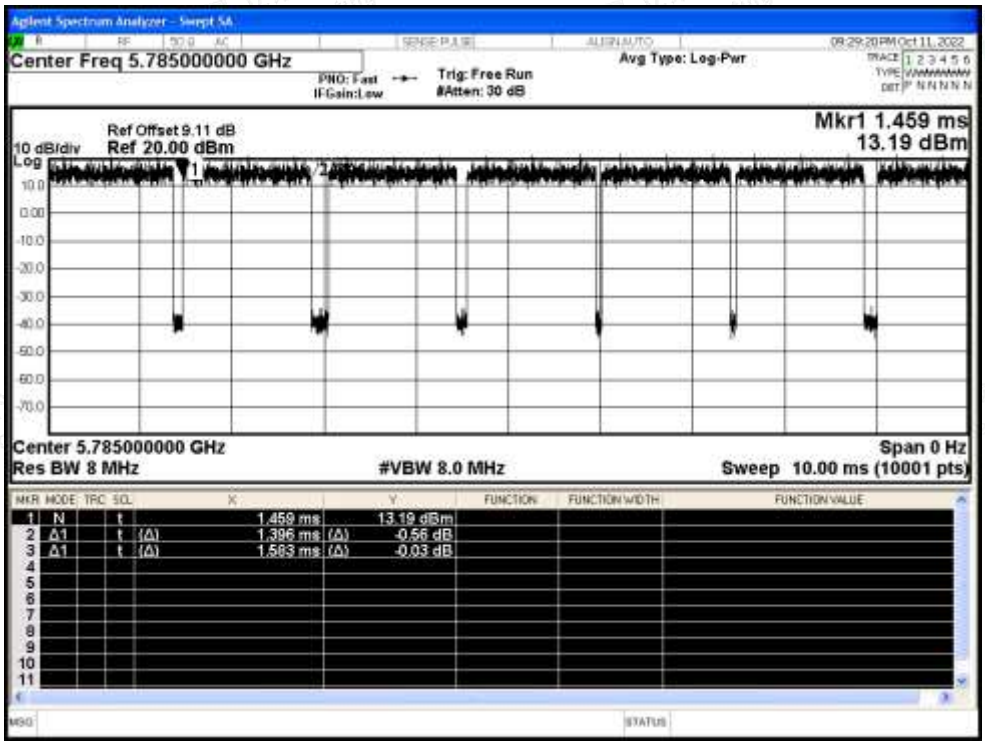
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	91.84	0.37	0.72
NVNT	a	5785	Ant1	88.19	0.55	0.72
NVNT	a	5825	Ant1	92.46	0.34	0.72
NVNT	n20	5745	Ant1	93.7	0.28	0.76
NVNT	n20	5785	Ant1	93.7	0.28	0.76
NVNT	n20	5825	Ant1	94.99	0.22	0.76
NVNT	n40	5755	Ant1	84.93	0.71	1.54
NVNT	n40	5795	Ant1	85.06	0.7	1.54
NVNT	ac20	5745	Ant1	94.34	0.25	0.76
NVNT	ac20	5785	Ant1	88.09	0.55	0.76
NVNT	ac20	5825	Ant1	94.34	0.25	0.76
NVNT	ac40	5755	Ant1	86.22	0.64	1.52
NVNT	ac40	5795	Ant1	91.49	0.39	1.52
NVNT	ac80	5775	Ant1	75.35	1.23	3.09

Test Graphs

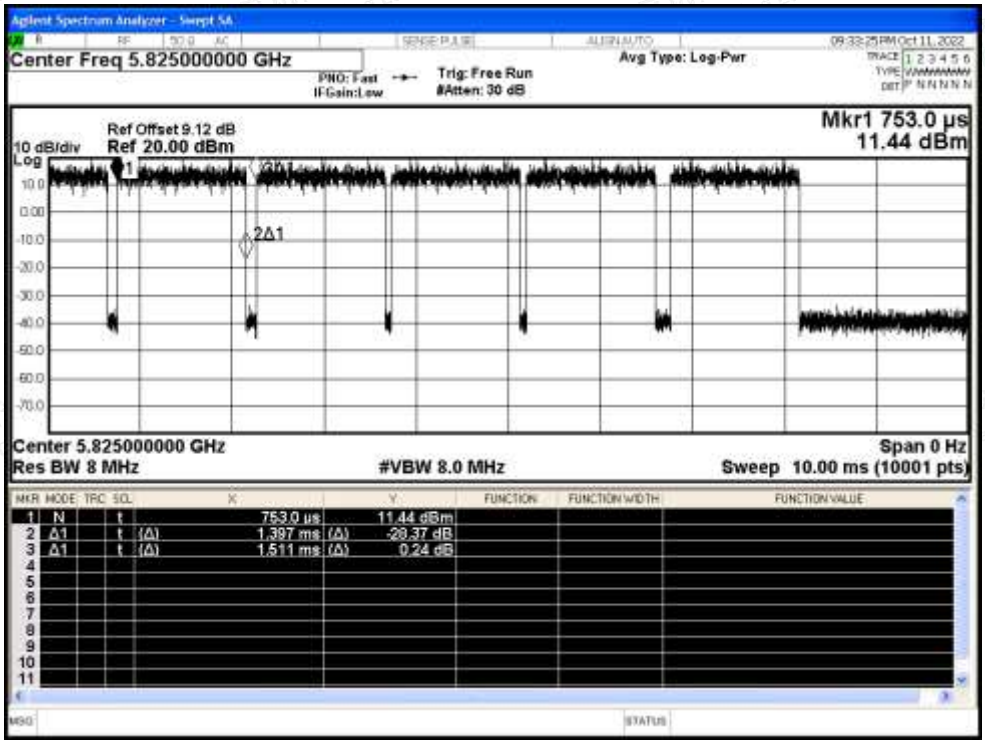
Duty Cycle NVNT a 5745MHz Ant1



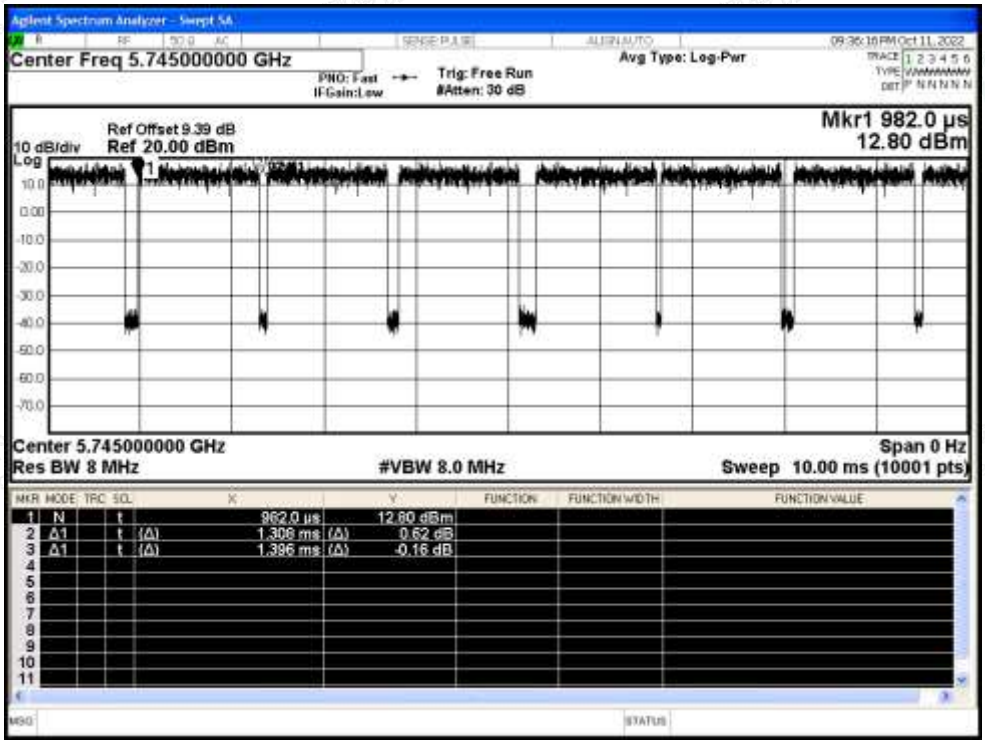
Duty Cycle NVNT a 5785MHz Ant1



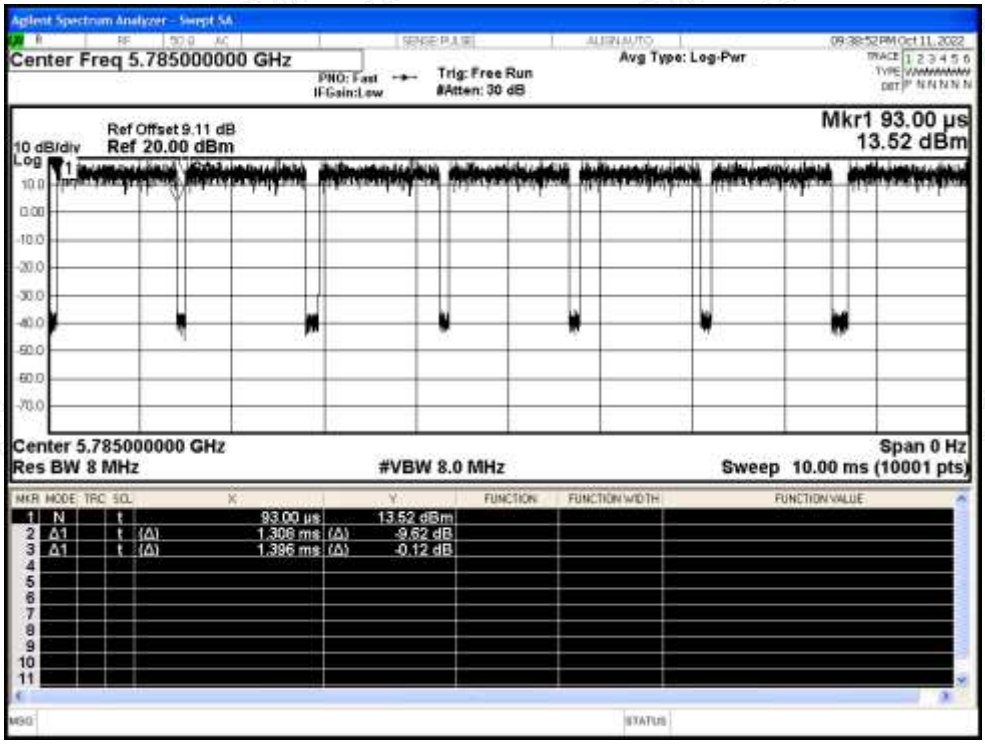
Duty Cycle NVNT a 5825MHz Ant1



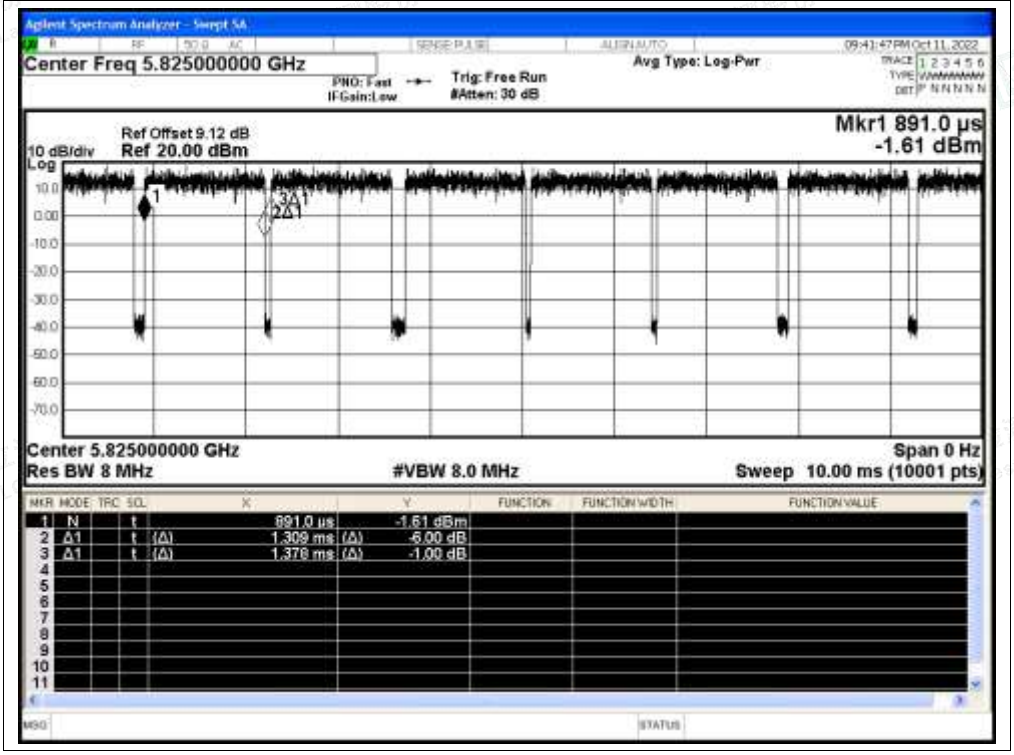
Duty Cycle NVNT n20 5745MHz Ant1



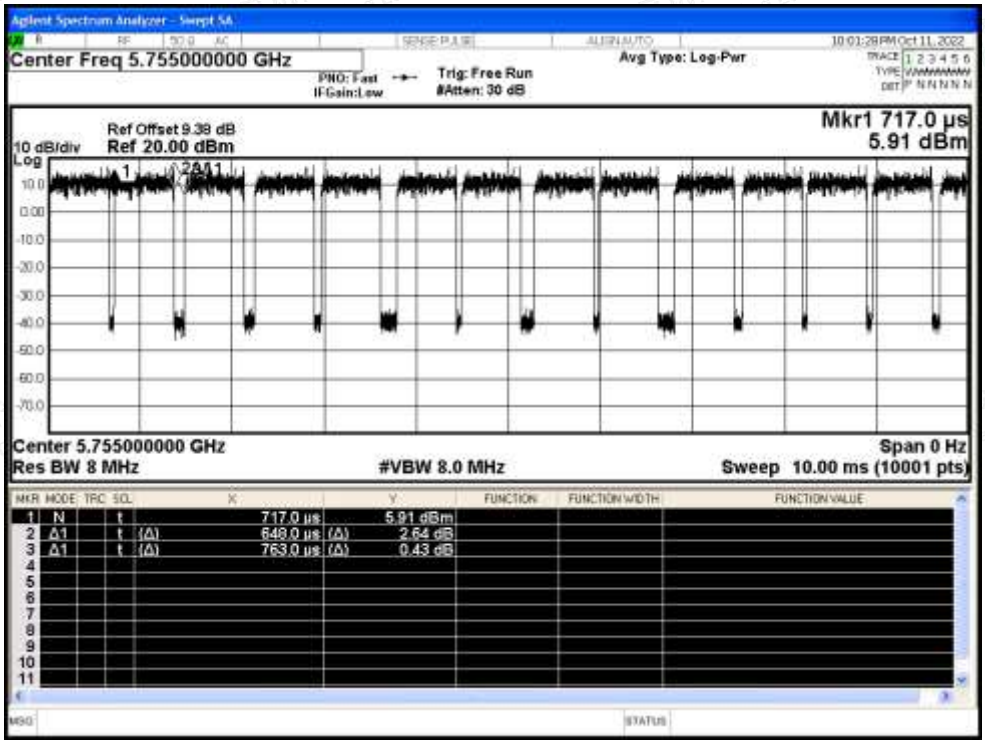
Duty Cycle NVNT n20 5785MHz Ant1



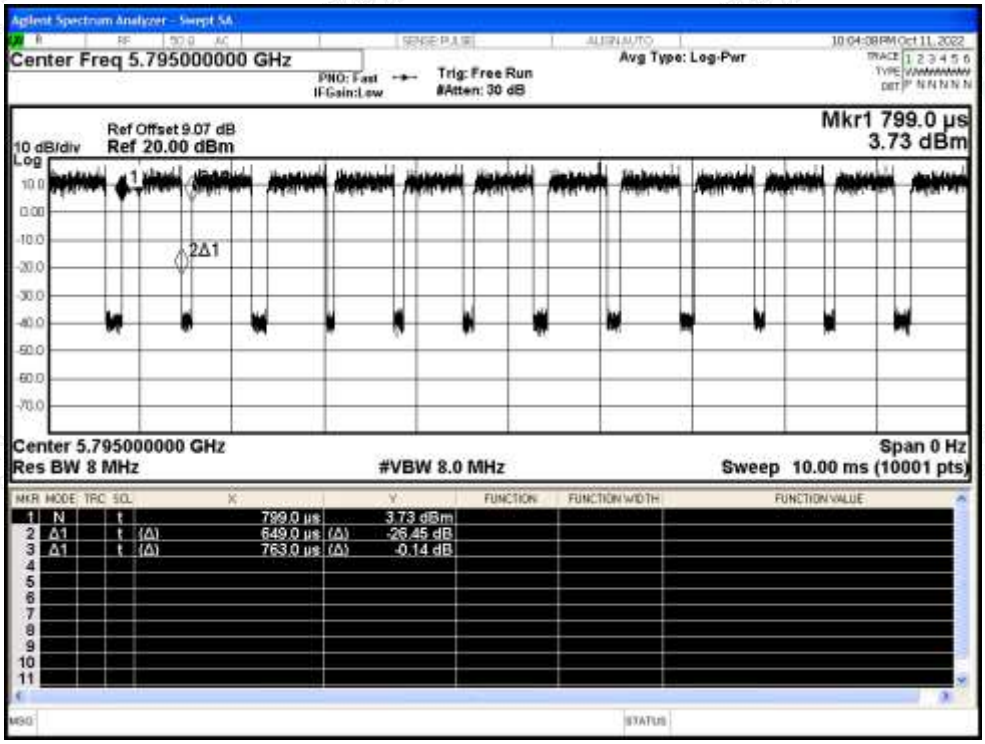
Duty Cycle NVNT n20 5825MHz Ant1



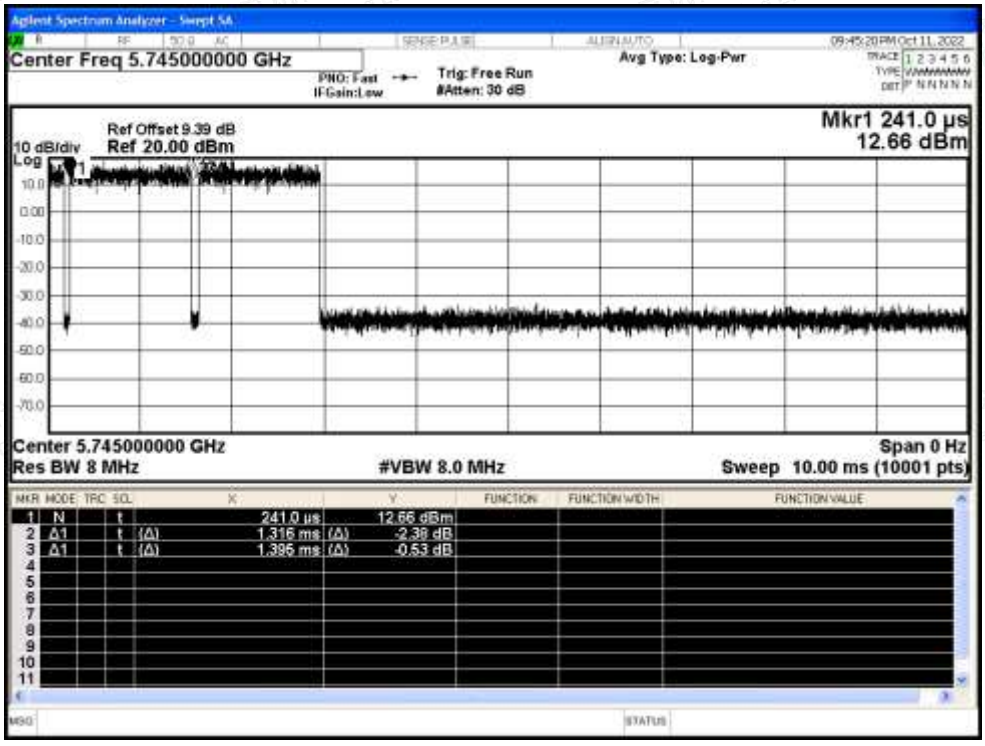
Duty Cycle NVNT n40 5755MHz Ant1



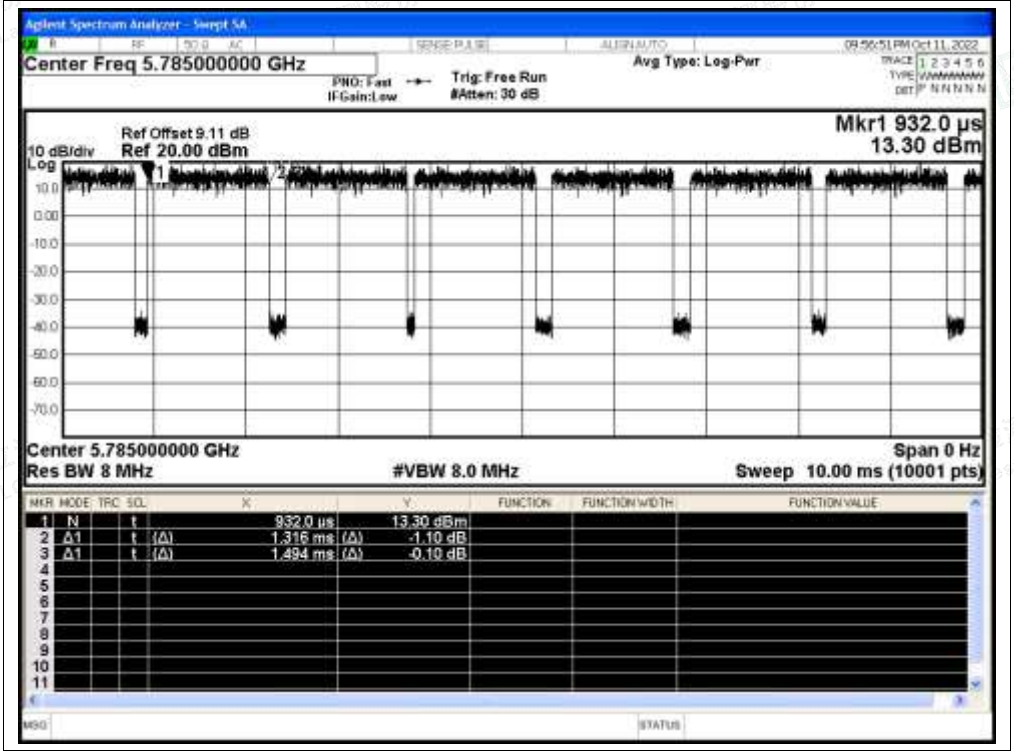
Duty Cycle NVNT n40 5795MHz Ant1



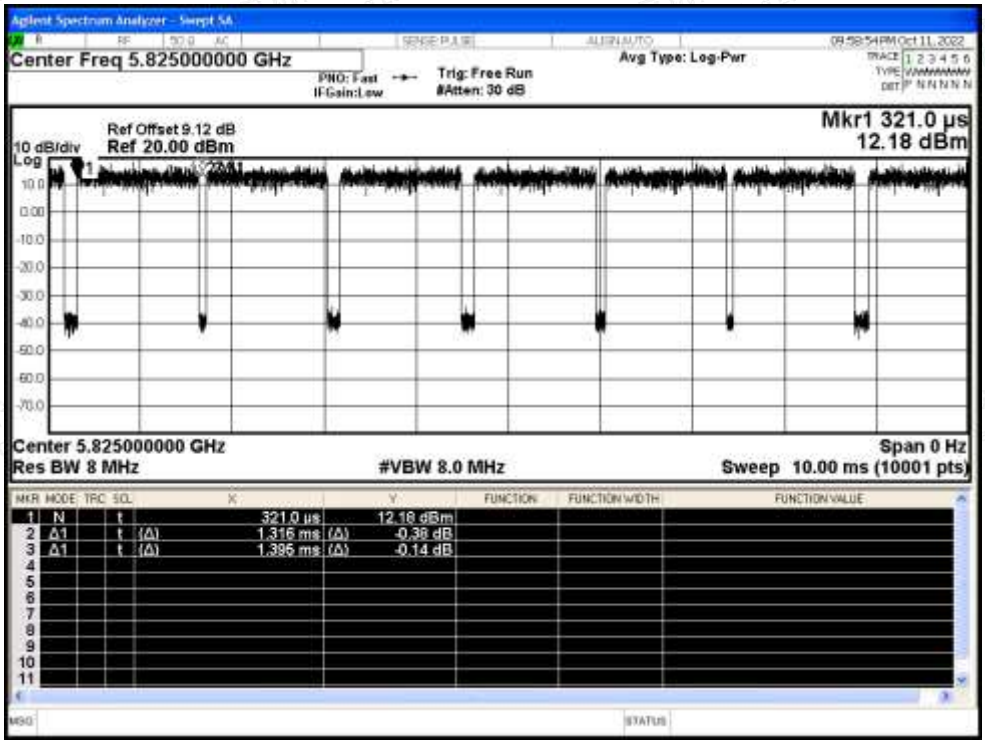
Duty Cycle NVNT ac20 5745MHz Ant1



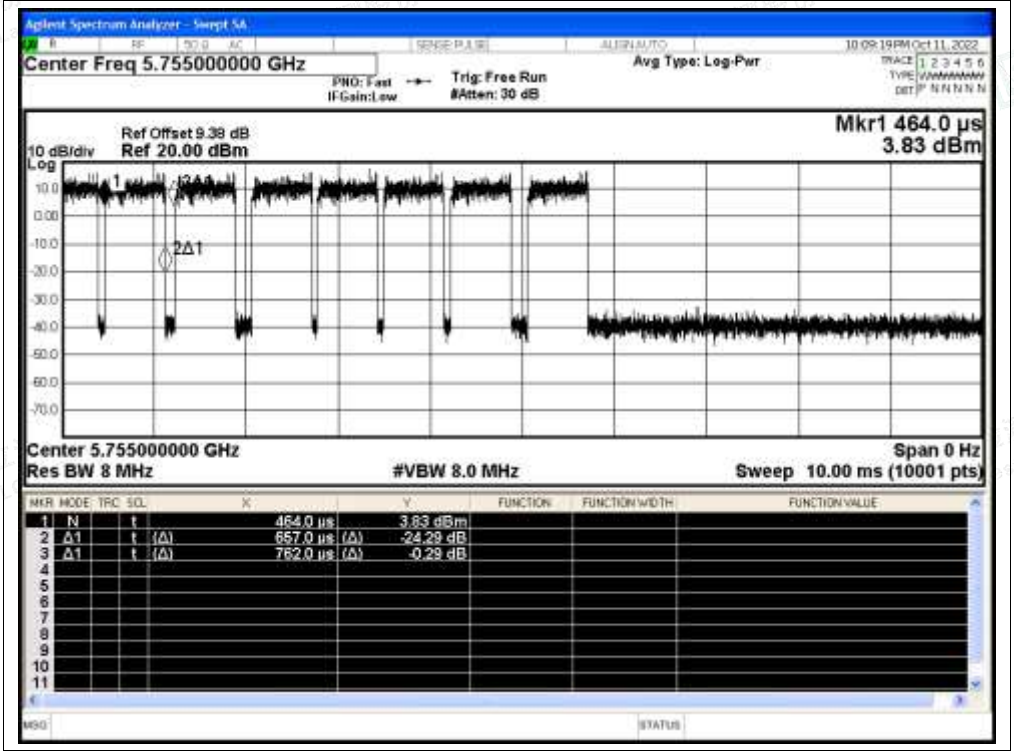
Duty Cycle NVNT ac20 5785MHz Ant1



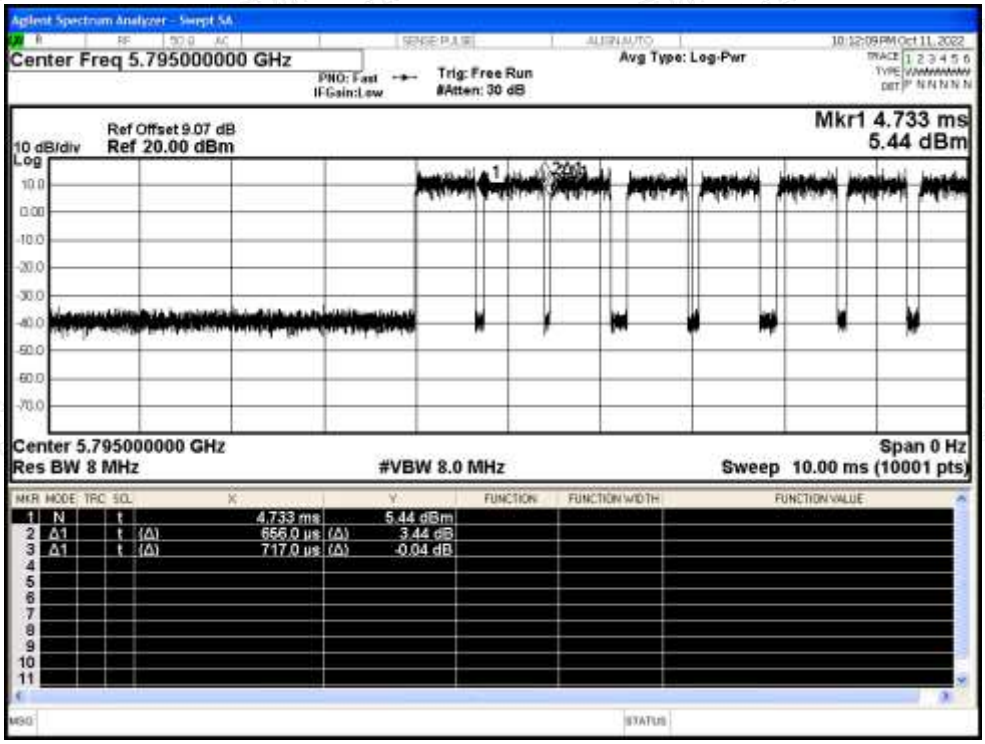
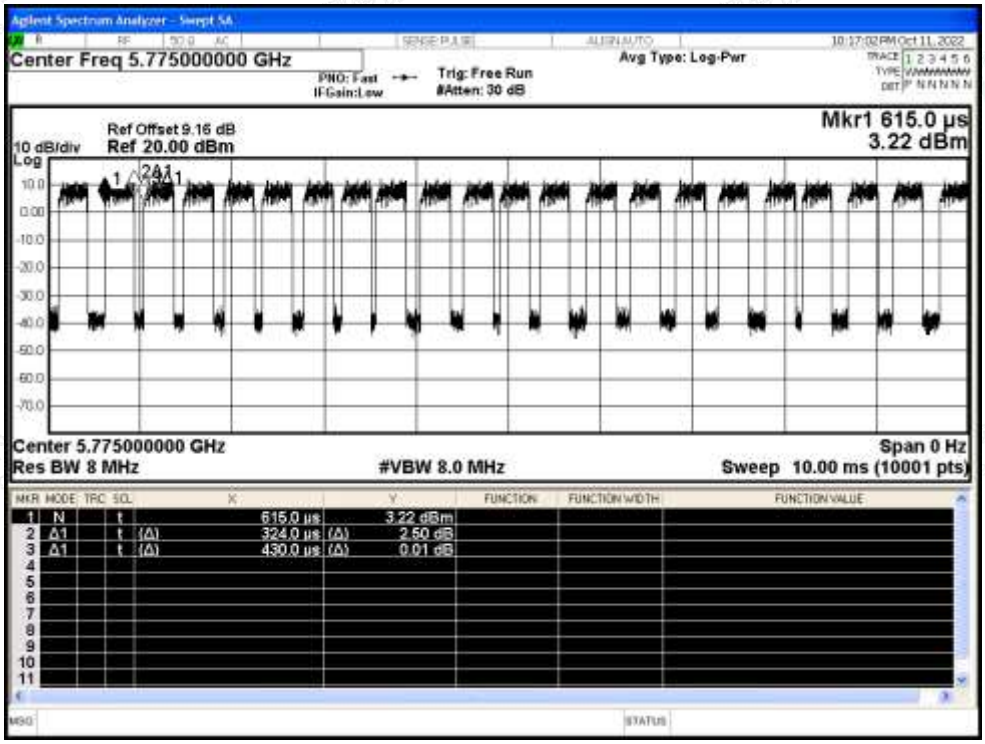
Duty Cycle NVNT ac20 5825MHz Ant1



Duty Cycle NVNT ac40 5755MHz Ant1



Duty Cycle NVNT ac40 5795MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant1