



## Appendix E

### RF Test Data for 5.8G WIFI (Conducted Measurement)

Product Name: Hyundai Notebook

Test Model: HT13TA1E01

#### Environmental Conditions

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



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### E.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant0	16.33	>=0.5	Pass
NVNT	a	5785	Ant0	16.324	>=0.5	Pass
NVNT	a	5825	Ant0	16.33	>=0.5	Pass
NVNT	n20	5745	Ant0	17.58	>=0.5	Pass
NVNT	n20	5785	Ant0	17.586	>=0.5	Pass
NVNT	n20	5825	Ant0	17.55	>=0.5	Pass
NVNT	n40	5755	Ant0	36.343	>=0.5	Pass
NVNT	n40	5795	Ant0	36.088	>=0.5	Pass
NVNT	ac20	5745	Ant0	17.582	>=0.5	Pass
NVNT	ac20	5785	Ant0	17.534	>=0.5	Pass
NVNT	ac20	5825	Ant0	17.584	>=0.5	Pass
NVNT	ac40	5755	Ant0	36.334	>=0.5	Pass
NVNT	ac40	5795	Ant0	36.027	>=0.5	Pass
NVNT	ac80	5775	Ant0	63.756	>=0.5	Pass

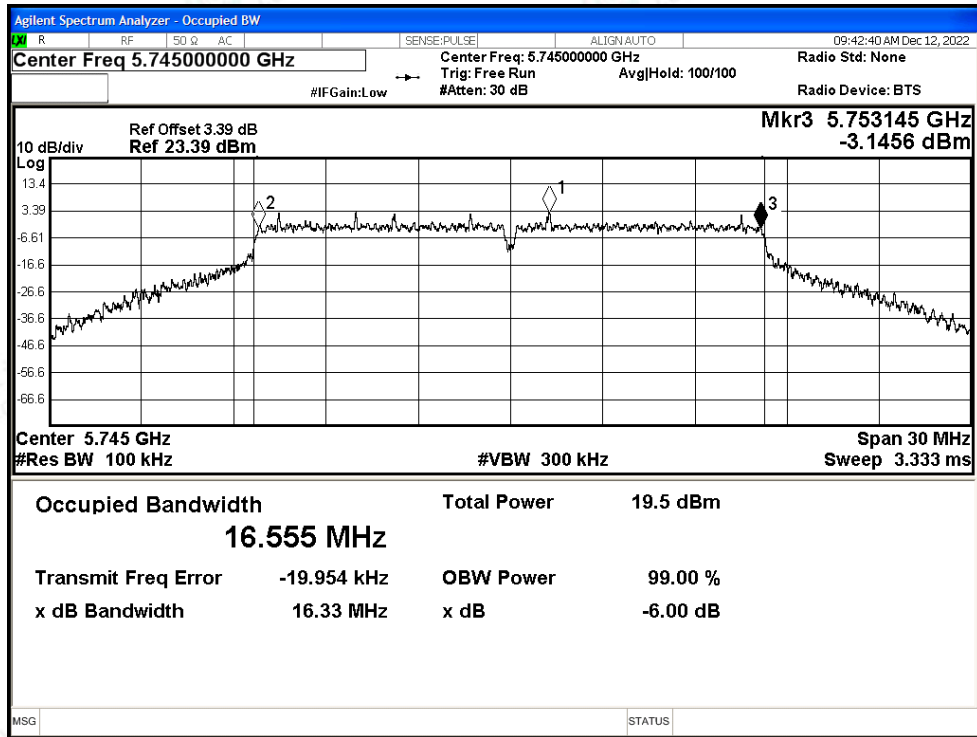


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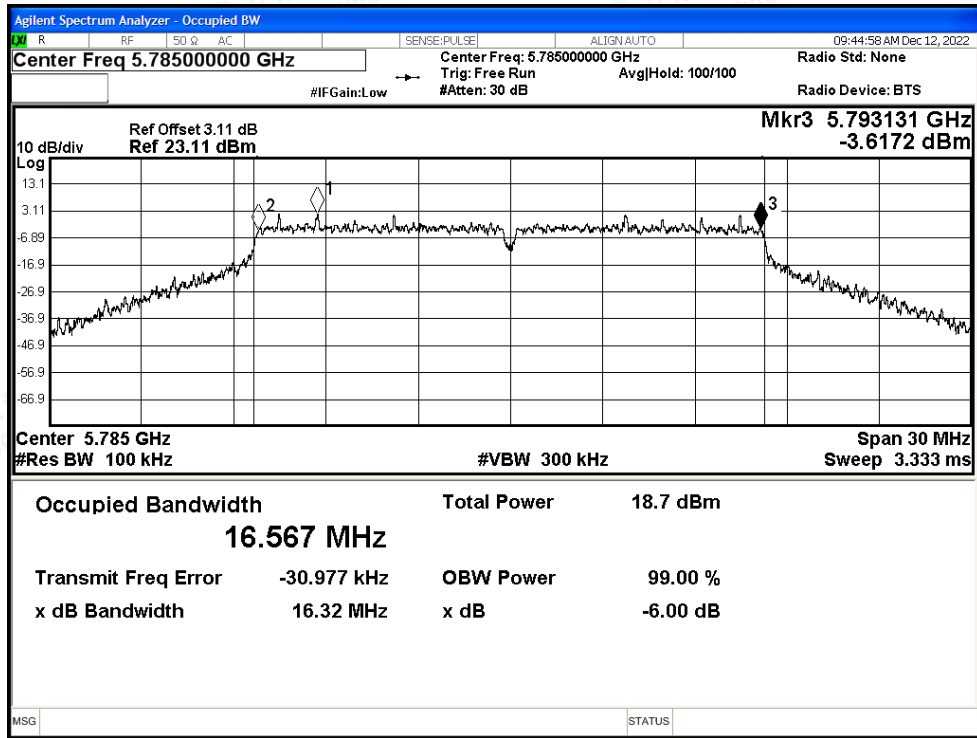


Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant0

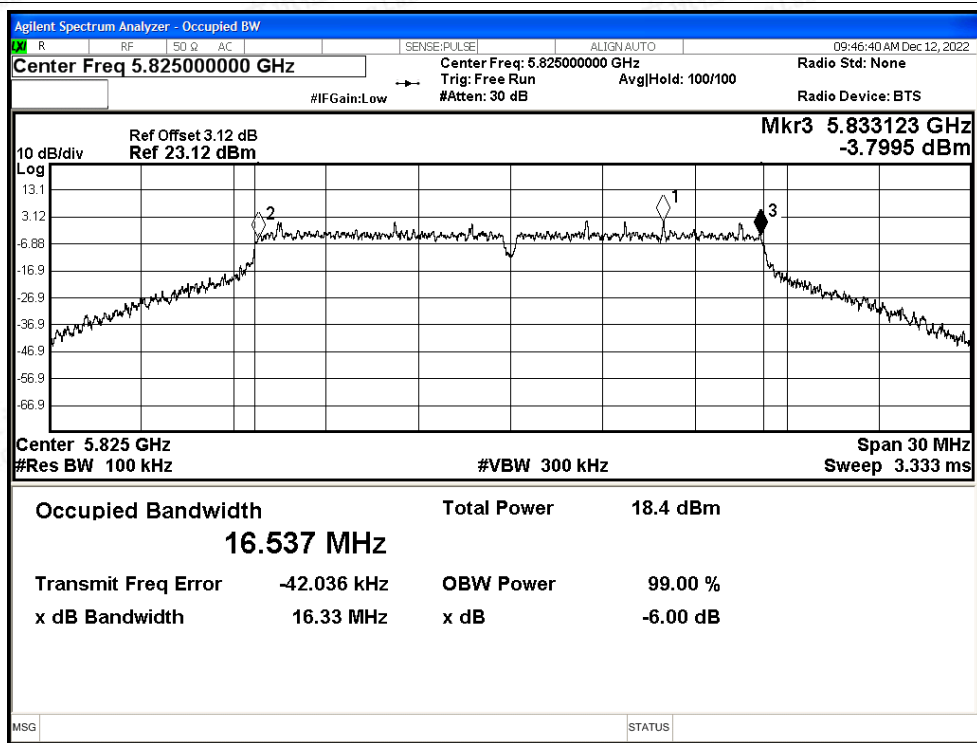


-6dB Bandwidth NVNT a 5785MHz Ant0

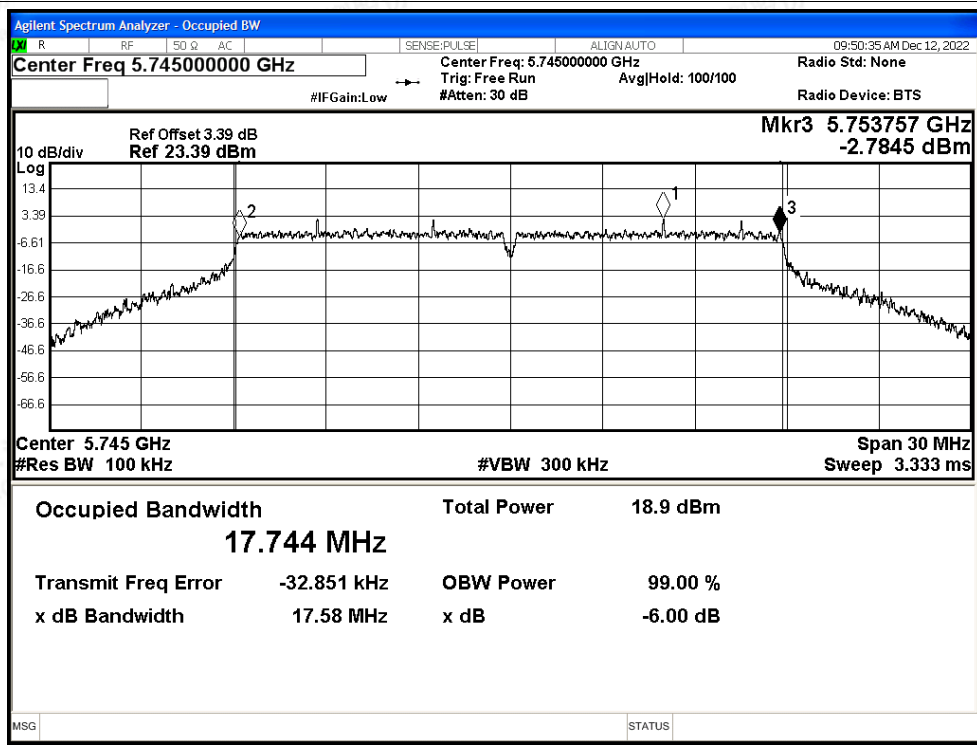




-6dB Bandwidth NVNT a 5825MHz Ant0

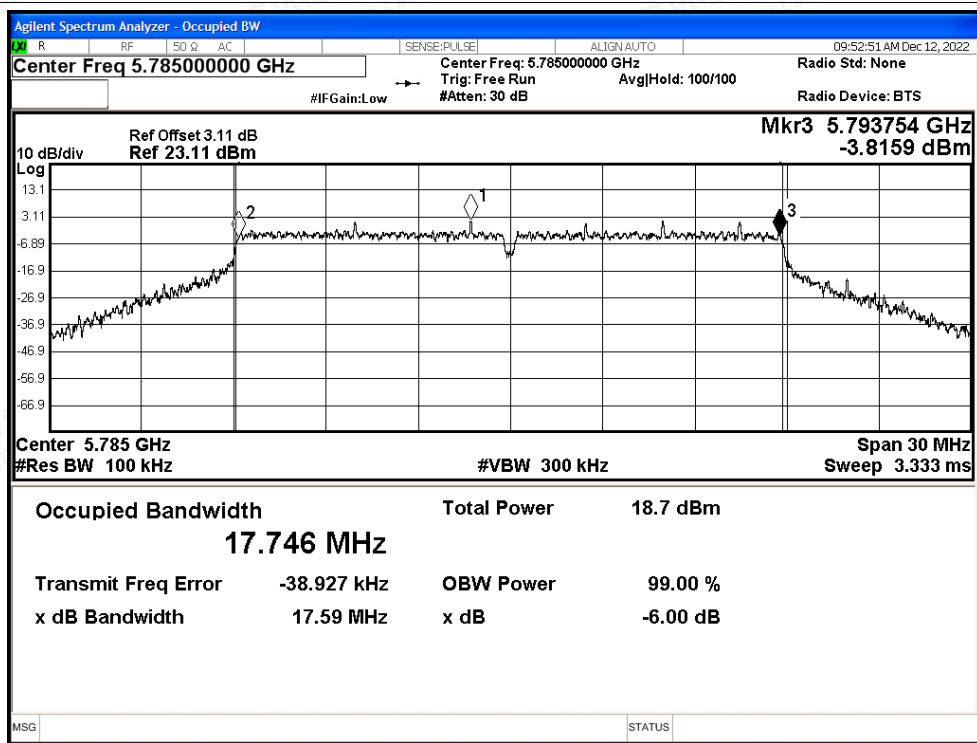


-6dB Bandwidth NVNT n20 5745MHz Ant0

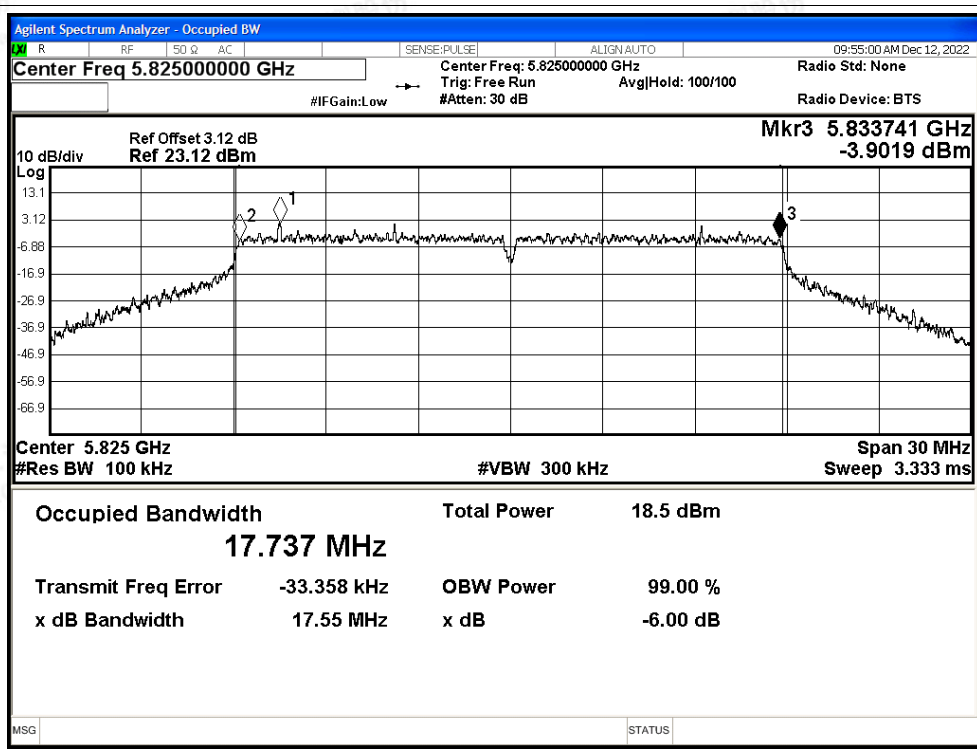




-6dB Bandwidth NVNT n20 5785MHz Ant0

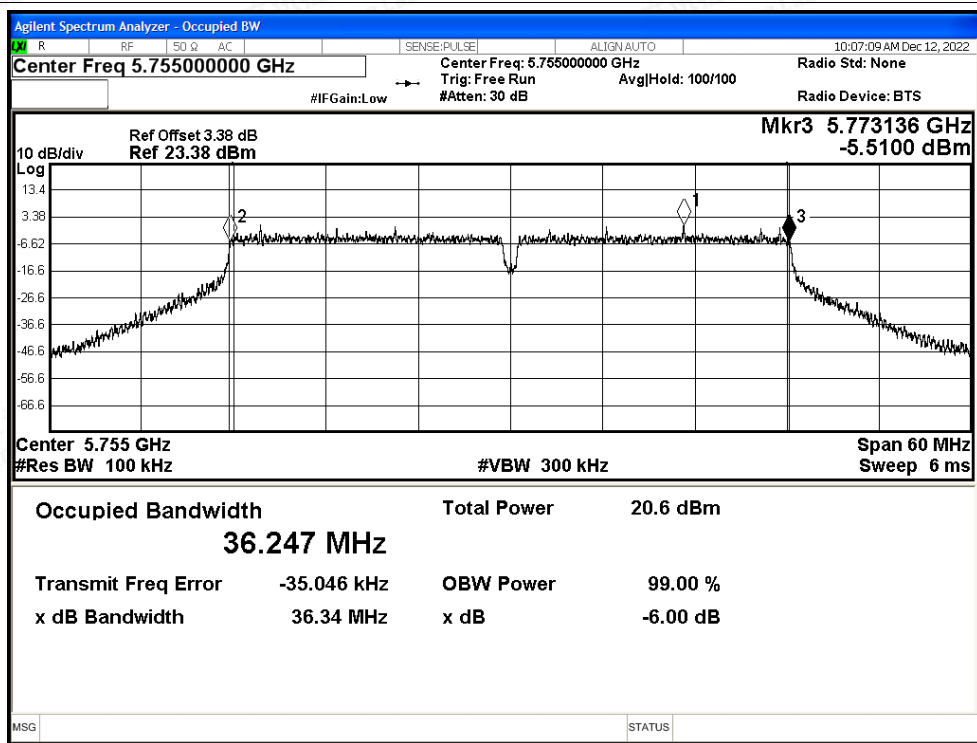


-6dB Bandwidth NVNT n20 5825MHz Ant0

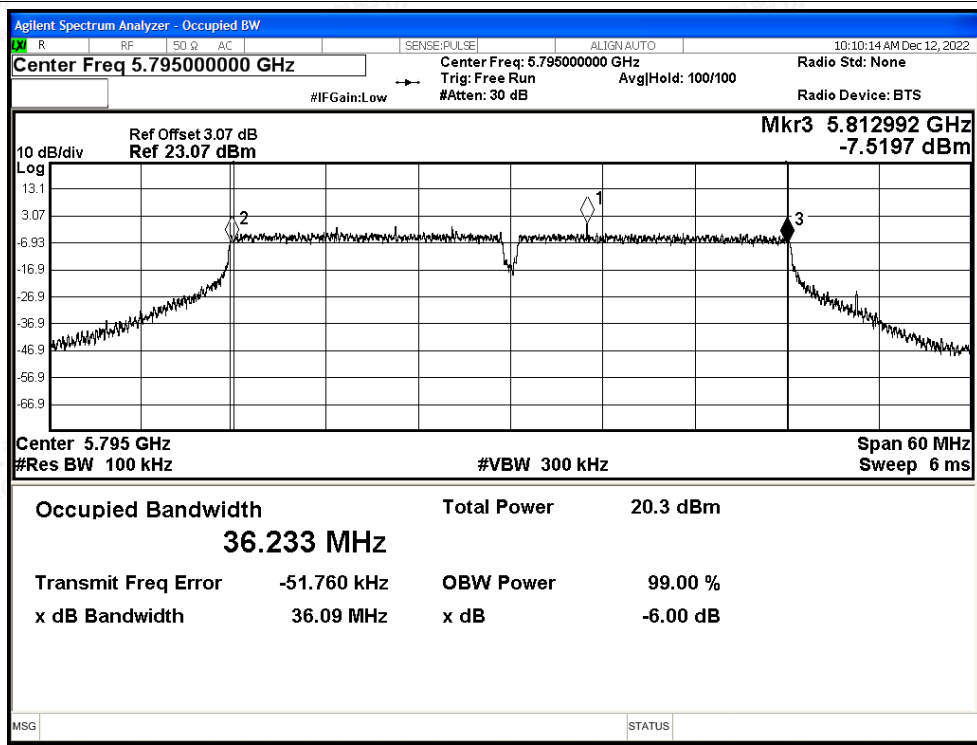




-6dB Bandwidth NVNT n40 5755MHz Ant0

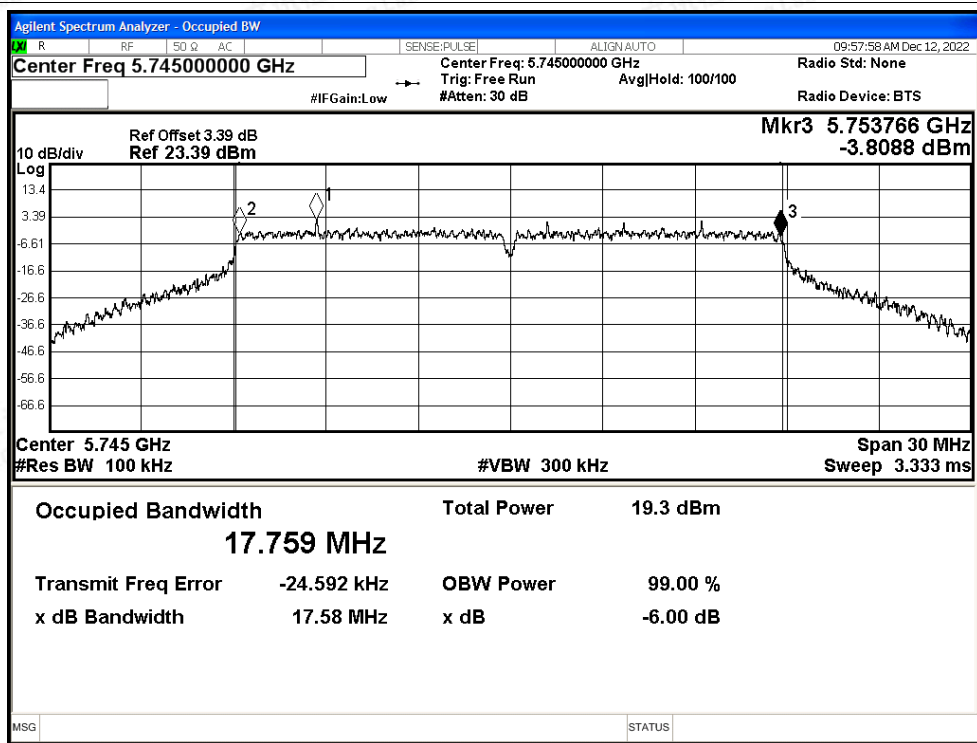


-6dB Bandwidth NVNT n40 5795MHz Ant0

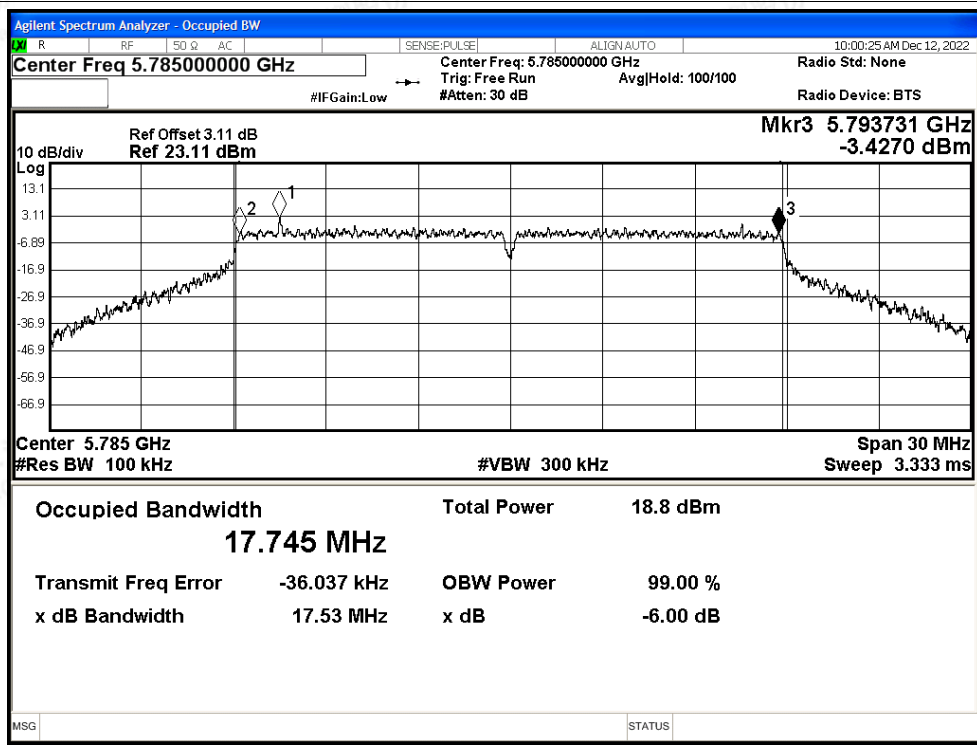




-6dB Bandwidth NVNT ac20 5745MHz Ant0

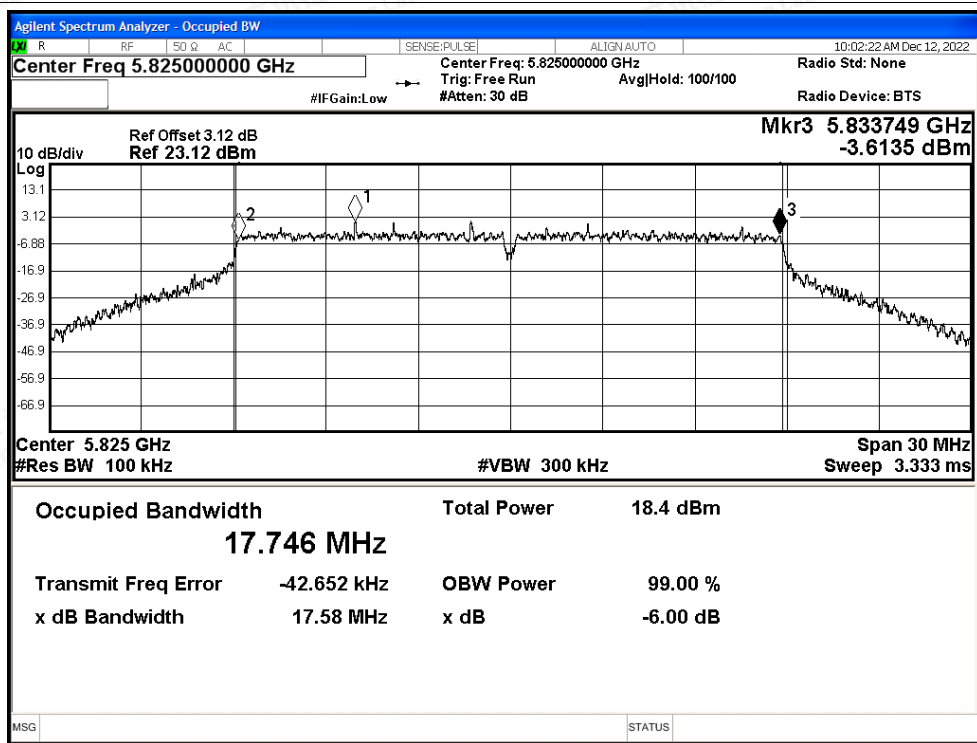


-6dB Bandwidth NVNT ac20 5785MHz Ant0

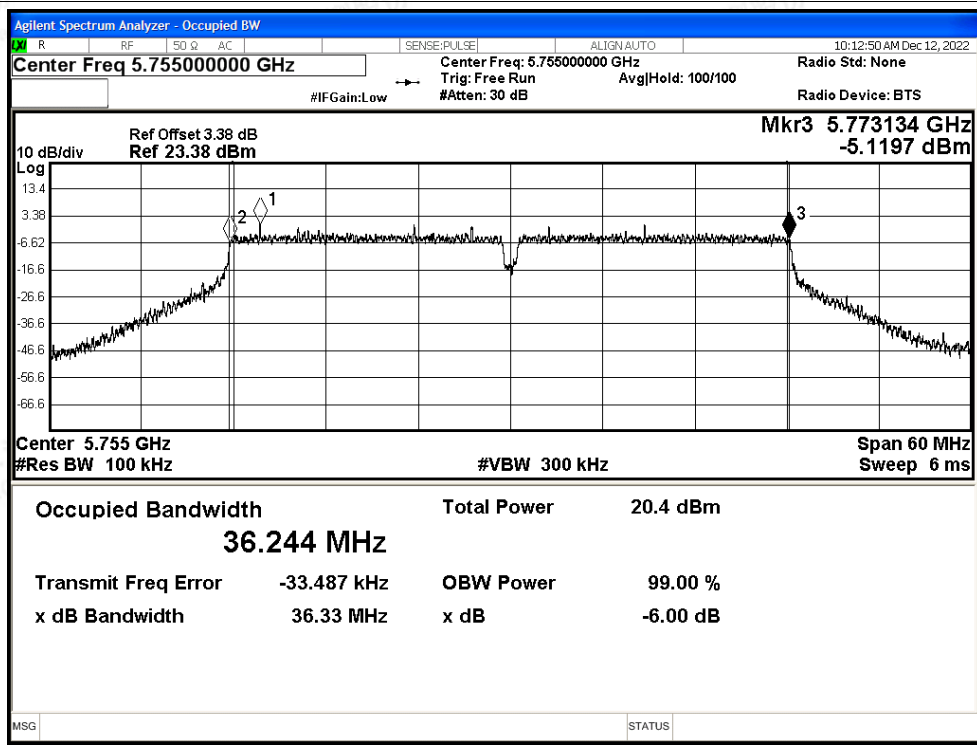




-6dB Bandwidth NVNT ac20 5825MHz Ant0



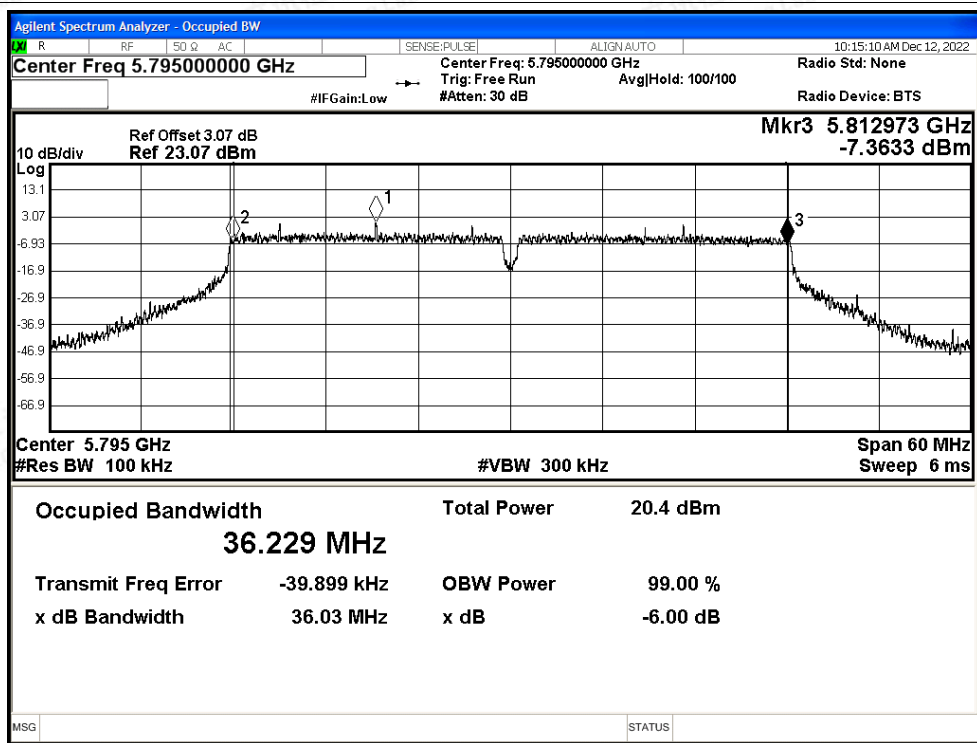
-6dB Bandwidth NVNT ac40 5755MHz Ant0



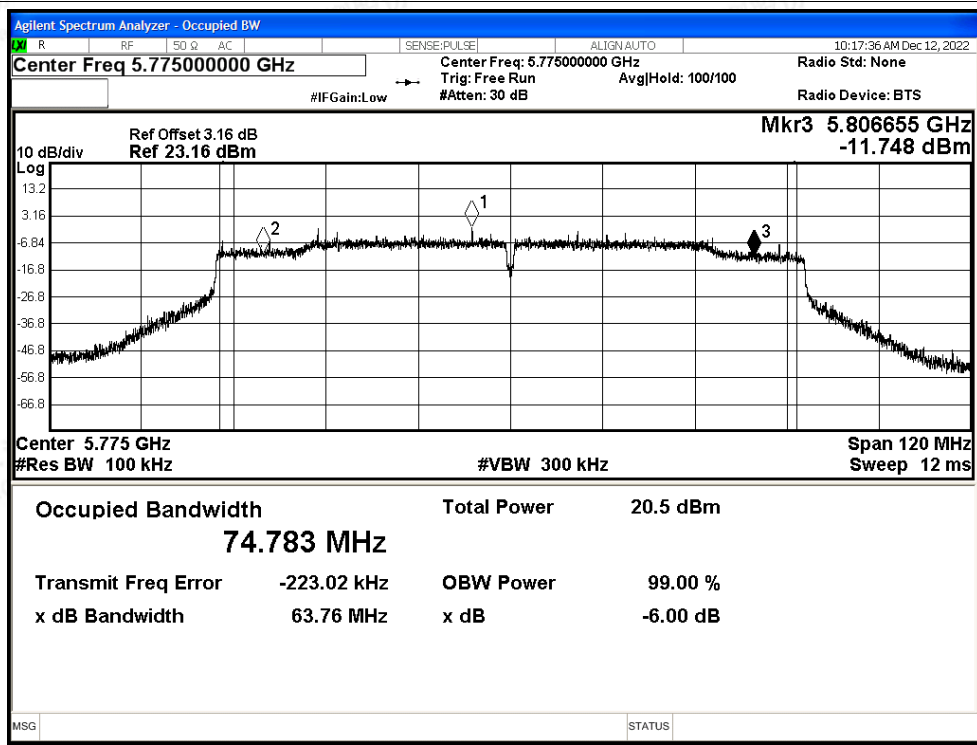




-6dB Bandwidth NVNT ac40 5795MHz Ant0



-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	17.578	>=0.5	Pass
NVNT	a	5785	Ant1	17.58	>=0.5	Pass
NVNT	a	5825	Ant1	17.624	>=0.5	Pass
NVNT	n20	5745	Ant1	17.299	>=0.5	Pass
NVNT	n20	5785	Ant1	17.576	>=0.5	Pass
NVNT	n20	5825	Ant1	17.589	>=0.5	Pass
NVNT	n40	5755	Ant1	36.326	>=0.5	Pass
NVNT	n40	5795	Ant1	36.342	>=0.5	Pass
NVNT	ac20	5745	Ant1	17.565	>=0.5	Pass
NVNT	ac20	5785	Ant1	17.576	>=0.5	Pass
NVNT	ac20	5825	Ant1	17.568	>=0.5	Pass
NVNT	ac40	5755	Ant1	36.333	>=0.5	Pass
NVNT	ac40	5795	Ant1	36.337	>=0.5	Pass
NVNT	ac80	5775	Ant1	60.879	>=0.5	Pass

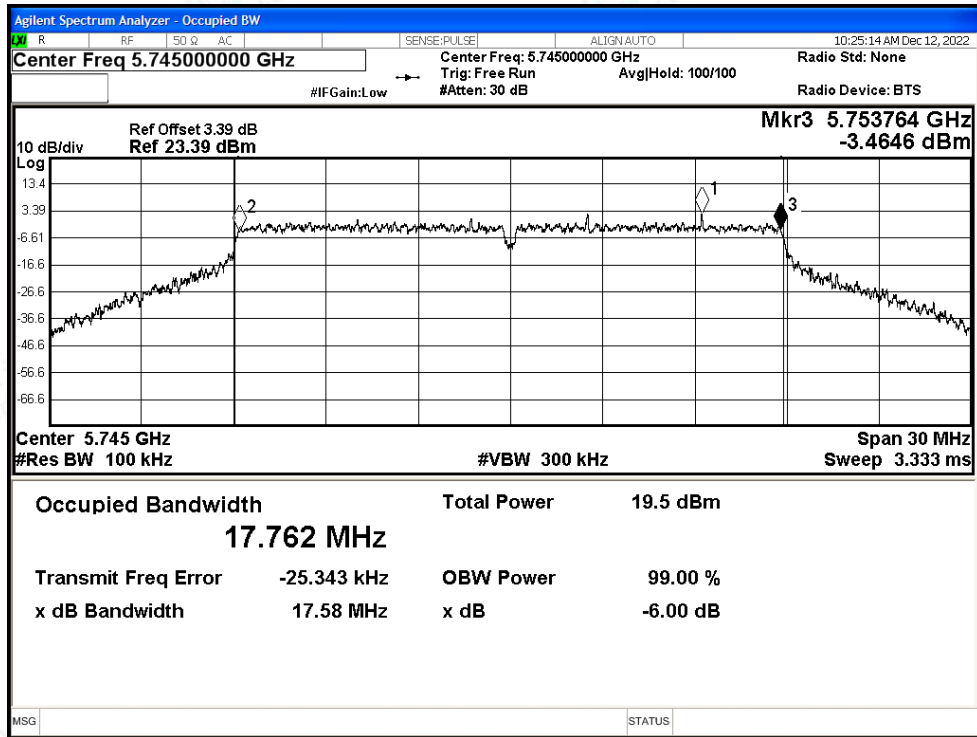


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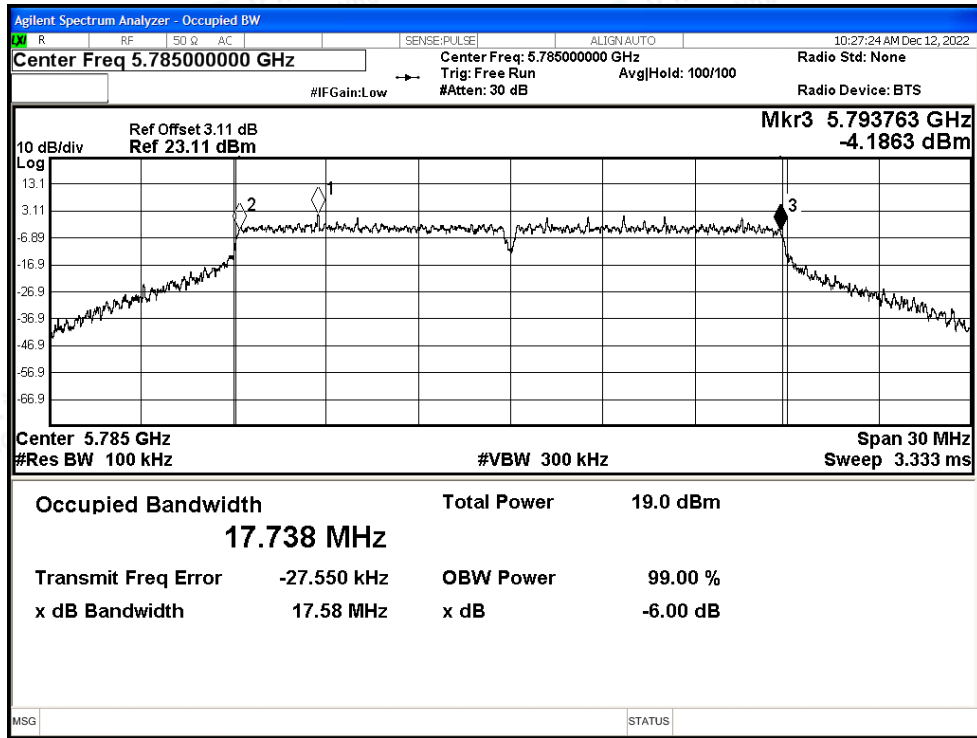


Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1

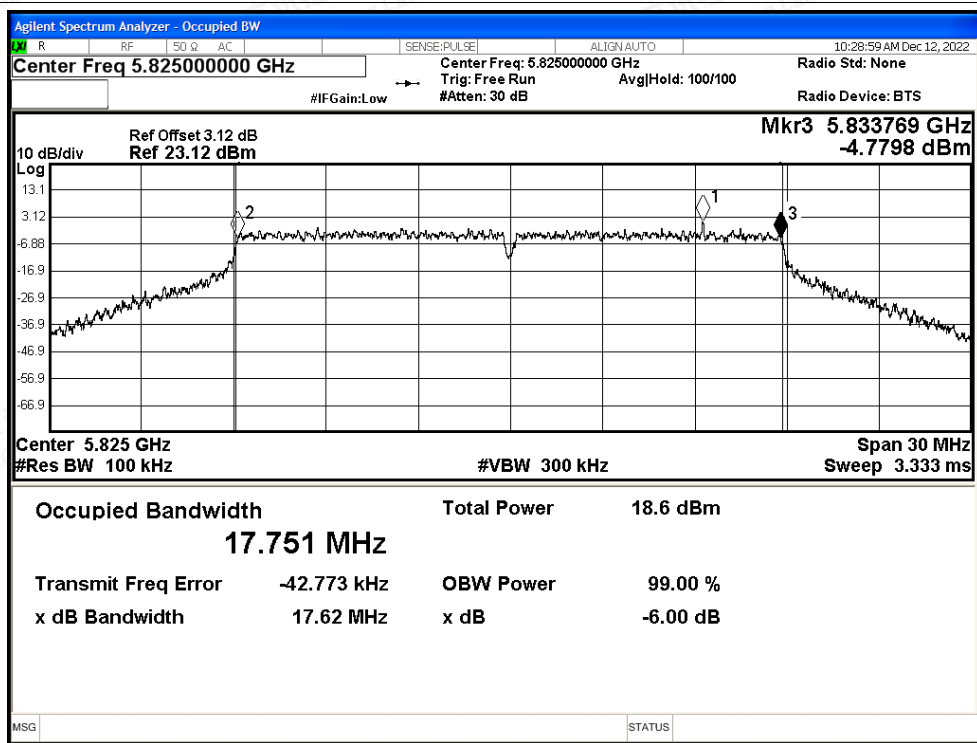


-6dB Bandwidth NVNT a 5785MHz Ant1

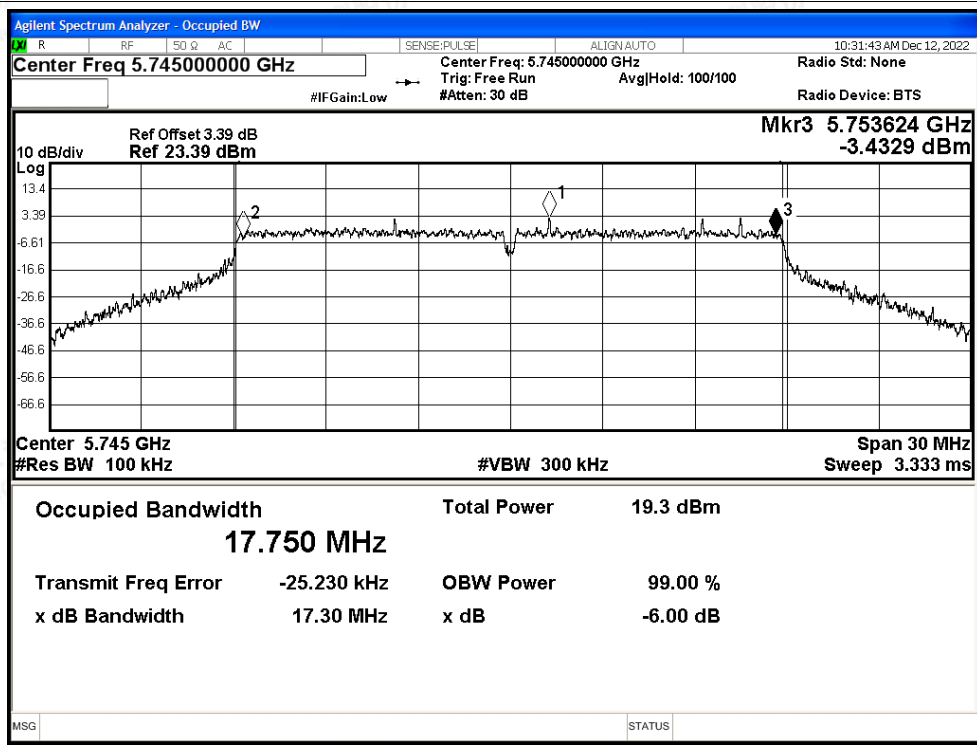




-6dB Bandwidth NVNT a 5825MHz Ant1

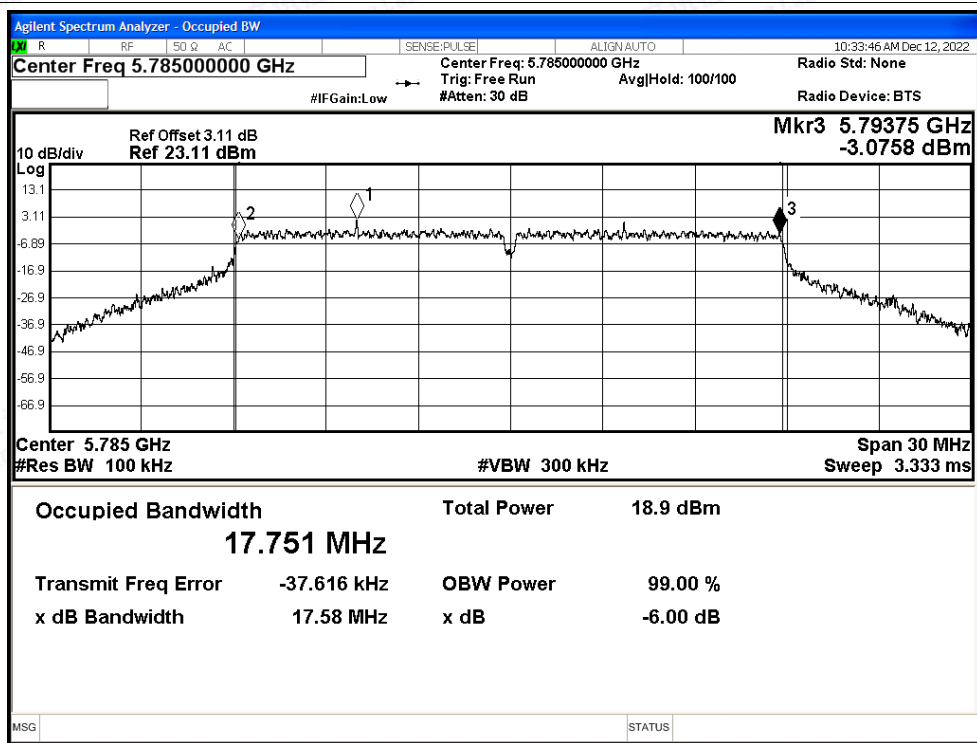


-6dB Bandwidth NVNT n20 5745MHz Ant1

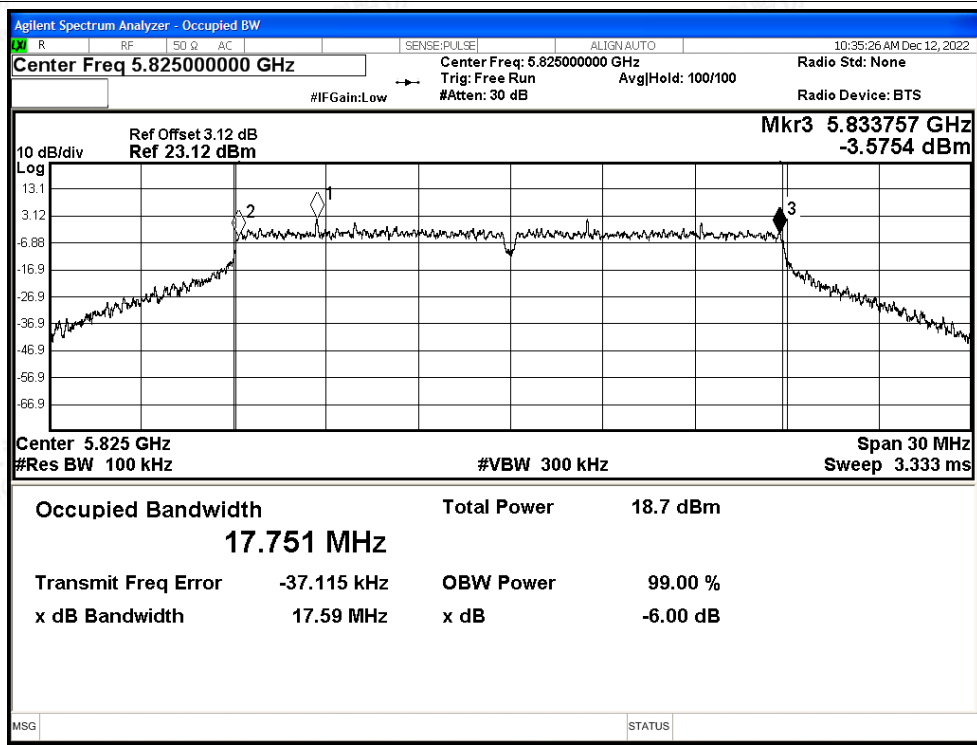




-6dB Bandwidth NVNT n20 5785MHz Ant1

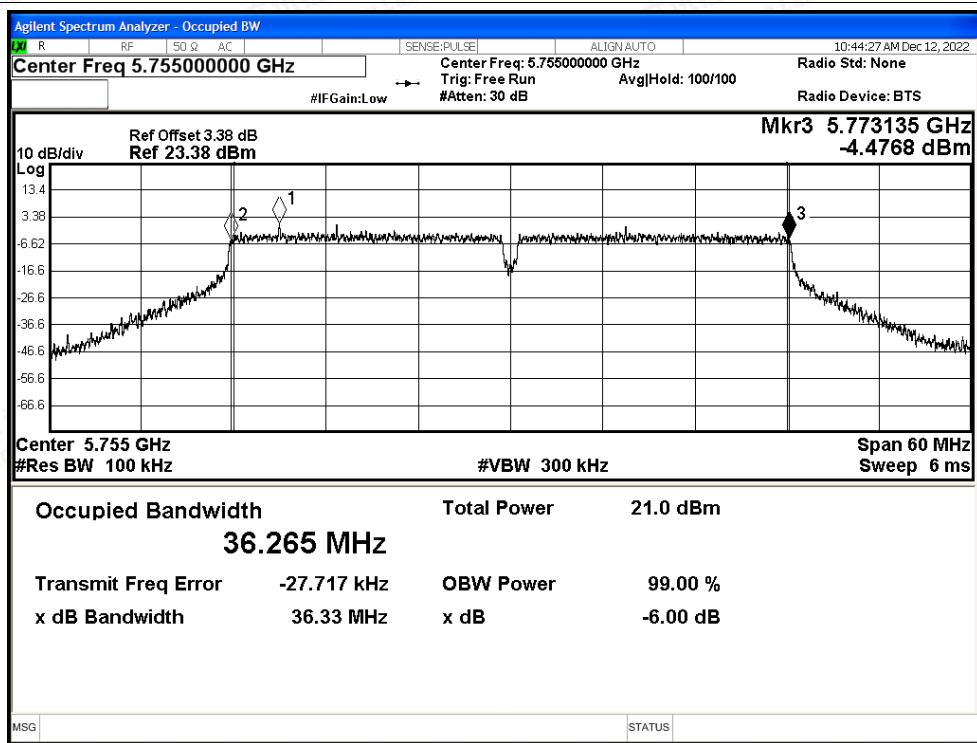


-6dB Bandwidth NVNT n20 5825MHz Ant1

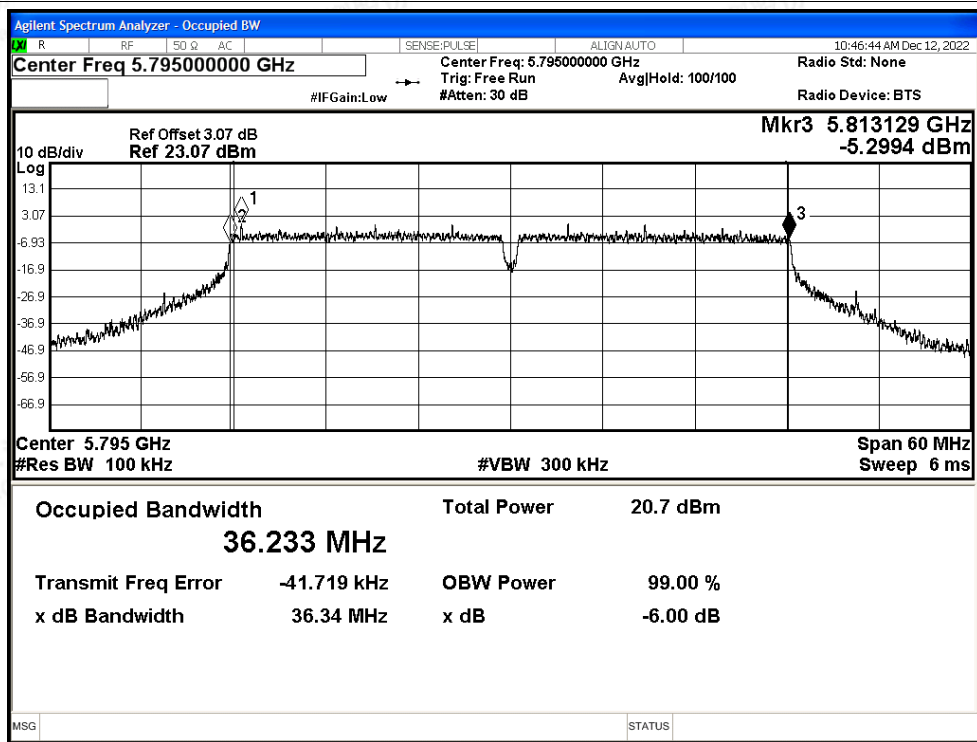




-6dB Bandwidth NVNT n40 5755MHz Ant1

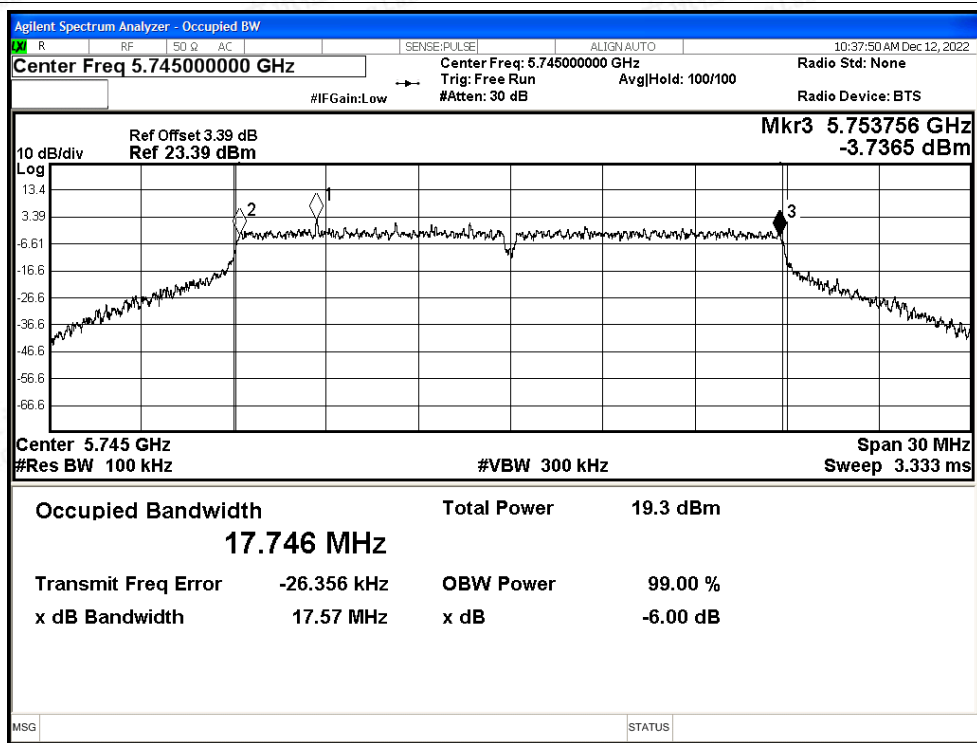


-6dB Bandwidth NVNT n40 5795MHz Ant1

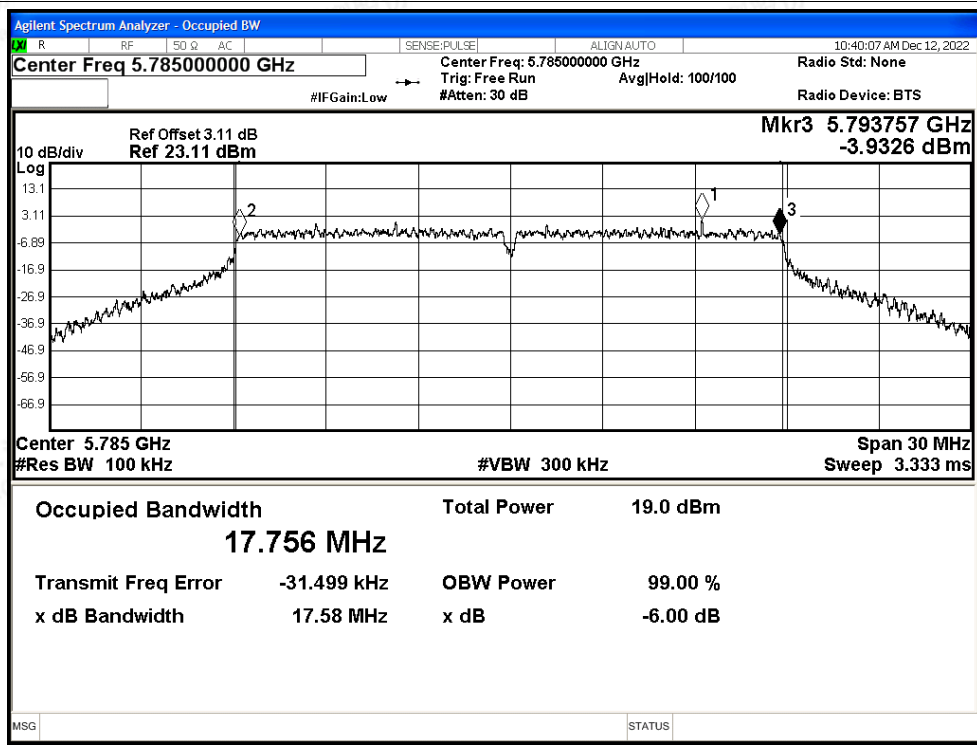




-6dB Bandwidth NVNT ac20 5745MHz Ant1

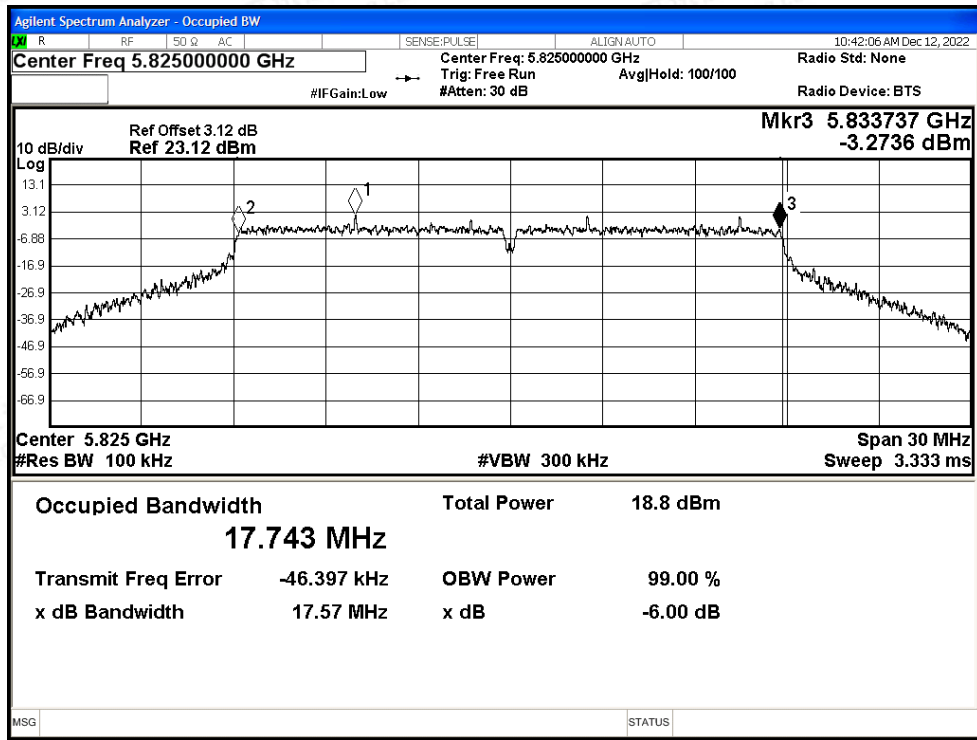


-6dB Bandwidth NVNT ac20 5785MHz Ant1

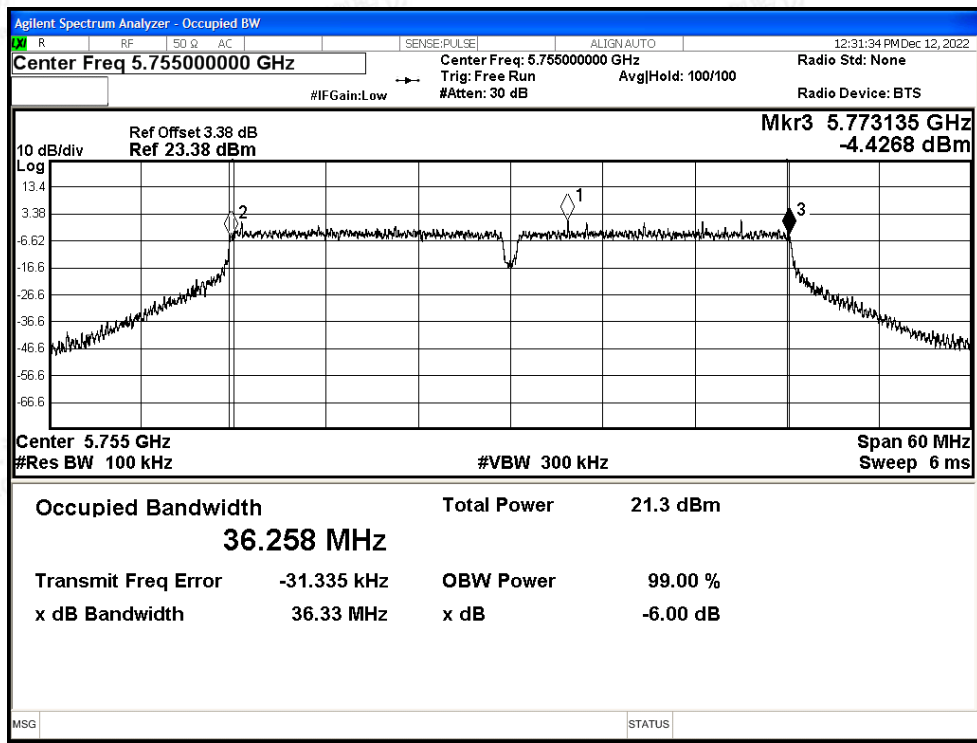




-6dB Bandwidth NVNT ac20 5825MHz Ant1



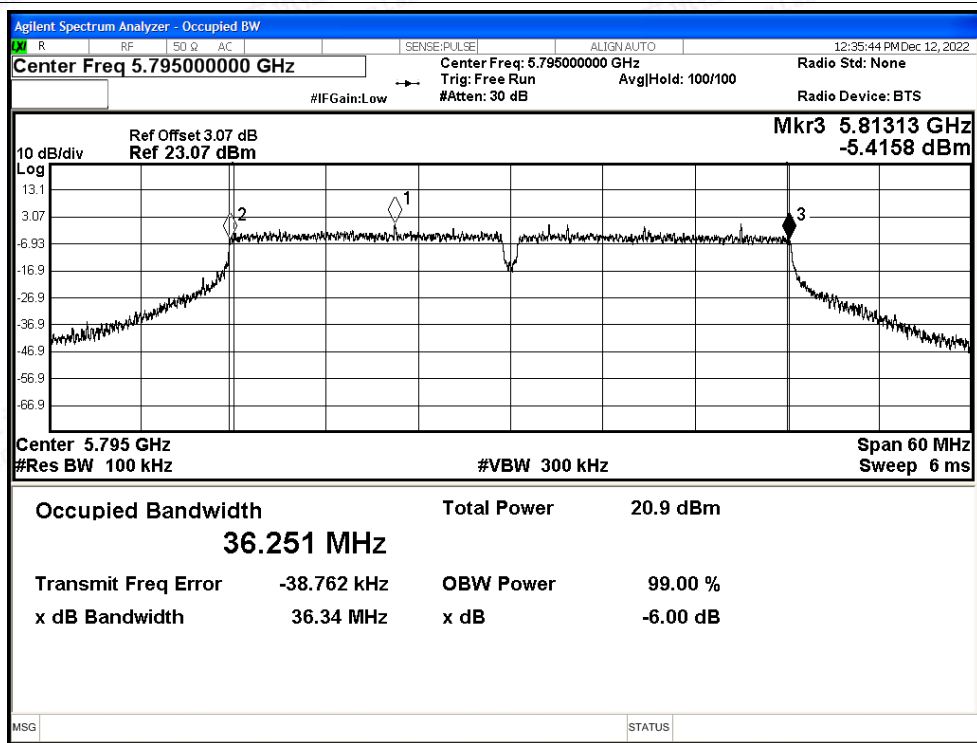
-6dB Bandwidth NVNT ac40 5755MHz Ant1



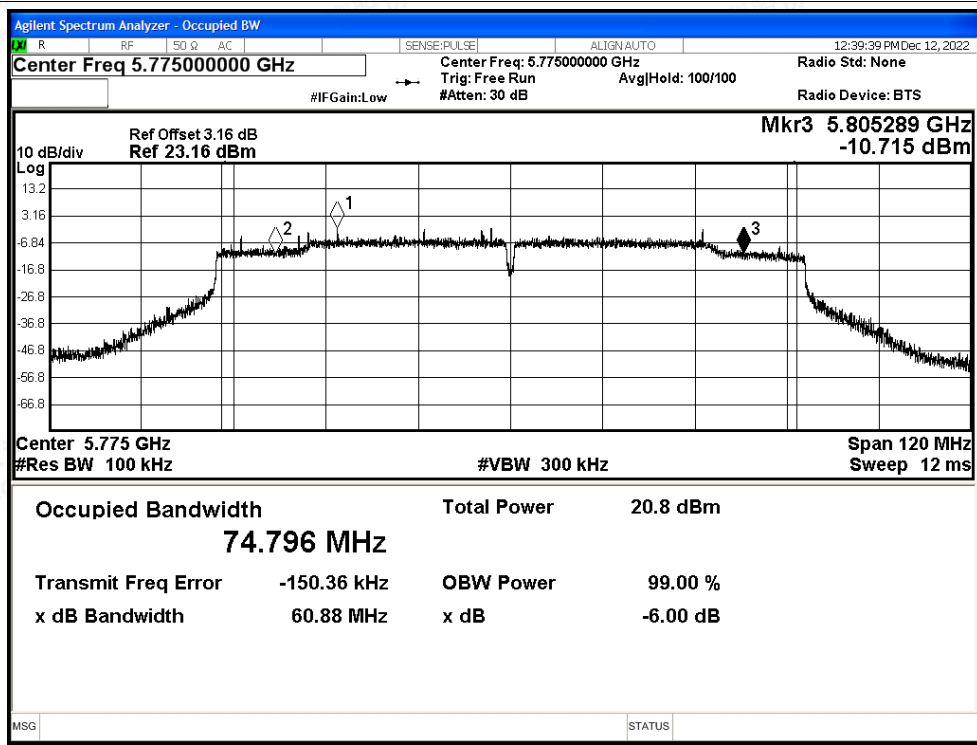




-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1





## 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	Ant0	13.39	0.09	13.48	30	Pass
NVNT	a	5785	Ant0	12.65	0.09	12.74	30	Pass
NVNT	a	5825	Ant0	12.42	0.09	12.51	30	Pass
NVNT	n20	5745	Ant0	12.88	0	12.88	30	Pass
NVNT	n20	5785	Ant0	12.74	0	12.74	30	Pass
NVNT	n20	5825	Ant0	12.43	0	12.43	30	Pass
NVNT	n40	5755	Ant0	14.44	0	14.44	30	Pass
NVNT	n40	5795	Ant0	14.23	0	14.23	30	Pass
NVNT	ac20	5745	Ant0	13.48	0	13.48	30	Pass
NVNT	ac20	5785	Ant0	12.73	0	12.73	30	Pass
NVNT	ac20	5825	Ant0	12.56	0	12.56	30	Pass
NVNT	ac40	5755	Ant0	14.35	0	14.35	30	Pass
NVNT	ac40	5795	Ant0	14.38	0	14.38	30	Pass
NVNT	ac80	5775	Ant0	13.96	0	13.96	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	13.64	0	13.64	30	Pass
NVNT	a	5785	Ant1	13.1	0	13.1	30	Pass
NVNT	a	5825	Ant1	12.8	0	12.8	30	Pass
NVNT	n20	5745	Ant1	13.3	0	13.3	30	Pass
NVNT	n20	5785	Ant1	13.02	0	13.02	30	Pass
NVNT	n20	5825	Ant1	12.85	0	12.85	30	Pass
NVNT	n40	5755	Ant1	14.87	0	14.87	30	Pass
NVNT	n40	5795	Ant1	14.59	0	14.59	30	Pass
NVNT	ac20	5745	Ant1	13.44	0	13.44	30	Pass
NVNT	ac20	5785	Ant1	13.08	0	13.08	30	Pass
NVNT	ac20	5825	Ant1	12.85	0	12.85	30	Pass
NVNT	ac40	5755	Ant1	15.11	0	15.11	30	Pass
NVNT	ac40	5795	Ant1	14.84	0	14.84	30	Pass
NVNT	ac80	5775	Ant1	14.33	0	14.33	30	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5745	12.88	13.3	16.11	30	Pass
NVNT	n20	5785	12.74	13.02	15.89	30	Pass
NVNT	n20	5825	12.43	12.85	15.66	30	Pass
NVNT	n40	5755	14.44	14.87	17.67	30	Pass
NVNT	n40	5795	14.23	14.59	17.42	30	Pass
NVNT	ac20	5745	13.48	13.44	16.47	30	Pass
NVNT	ac20	5785	12.73	13.08	15.92	30	Pass
NVNT	ac20	5825	12.56	12.85	15.72	30	Pass
NVNT	ac40	5755	14.35	15.11	17.76	30	Pass
NVNT	ac40	5795	14.38	14.84	17.63	30	Pass
NVNT	ac80	5775	13.96	14.33	17.16	30	Pass



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### E.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/510kHz)	Duty Factor (dB)	RBW factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
NVNT	a	5745	Ant0	-2.13	0.09	-0.086	-2.126	30	Pass
NVNT	a	5785	Ant0	-3.02	0.09	-0.086	-3.016	30	Pass
NVNT	a	5825	Ant0	-3.37	0.09	-0.086	-3.366	30	Pass
NVNT	n20	5745	Ant0	-2.73	0	-0.086	-2.816	30	Pass
NVNT	n20	5785	Ant0	-2.95	0	-0.086	-3.036	30	Pass
NVNT	n20	5825	Ant0	-3.37	0	-0.086	-3.456	30	Pass
NVNT	n40	5755	Ant0	-4.5	0	-0.086	-4.586	30	Pass
NVNT	n40	5795	Ant0	-3.93	0	-0.086	-4.016	30	Pass
NVNT	ac20	5745	Ant0	-2.67	0	-0.086	-2.756	30	Pass
NVNT	ac20	5785	Ant0	-2.95	0	-0.086	-3.036	30	Pass
NVNT	ac20	5825	Ant0	-3.08	0	-0.086	-3.166	30	Pass
NVNT	ac40	5755	Ant0	-4.08	0	-0.086	-4.166	30	Pass
NVNT	ac40	5795	Ant0	-4.27	0	-0.086	-4.356	30	Pass
NVNT	ac80	5775	Ant0	-7.07	0	-0.086	-7.156	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/510kHz)	Duty Factor (dB)	RBW factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
NVNT	a	5745	Ant1	-2.28	0	-0.086	-2.366	30	Pass
NVNT	a	5785	Ant1	-2.62	0	-0.086	-2.706	30	Pass
NVNT	a	5825	Ant1	-2.88	0	-0.086	-2.966	30	Pass
NVNT	n20	5745	Ant1	-2.42	0	-0.086	-2.506	30	Pass
NVNT	n20	5785	Ant1	-2.5	0	-0.086	-2.586	30	Pass
NVNT	n20	5825	Ant1	-2.83	0	-0.086	-2.916	30	Pass
NVNT	n40	5755	Ant1	-3.57	0	-0.086	-3.656	30	Pass
NVNT	n40	5795	Ant1	-3.92	0	-0.086	-4.006	30	Pass
NVNT	ac20	5745	Ant1	-2.32	0	-0.086	-2.406	30	Pass
NVNT	ac20	5785	Ant1	-2.73	0	-0.086	-2.816	30	Pass
NVNT	ac20	5825	Ant1	-3.13	0	-0.086	-3.216	30	Pass
NVNT	ac40	5755	Ant1	-3.5	0	-0.086	-3.586	30	Pass
NVNT	ac40	5795	Ant1	-3.87	0	-0.086	-3.956	30	Pass
NVNT	ac80	5775	Ant1	-6.42	0	-0.086	-6.506	30	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm/500kHz)			Limit (dBm/500kHz)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5745	-2.816	-2.506	0.35	29.96	Pass
NVNT	n20	5785	-3.036	-2.586	0.21	29.96	Pass
NVNT	n20	5825	-3.456	-2.916	-0.17	29.96	Pass
NVNT	n40	5755	-4.586	-3.656	-1.09	29.96	Pass
NVNT	n40	5795	-4.016	-4.006	-1.00	29.96	Pass
NVNT	ac20	5745	-2.756	-2.406	0.43	29.96	Pass
NVNT	ac20	5785	-3.036	-2.816	0.09	29.96	Pass
NVNT	ac20	5825	-3.166	-3.216	-0.18	29.96	Pass
NVNT	ac40	5755	-4.166	-3.586	-0.86	29.96	Pass
NVNT	ac40	5795	-4.356	-3.956	-1.14	29.96	Pass
NVNT	ac80	5775	-7.156	-6.506	-3.81	29.96	Pass

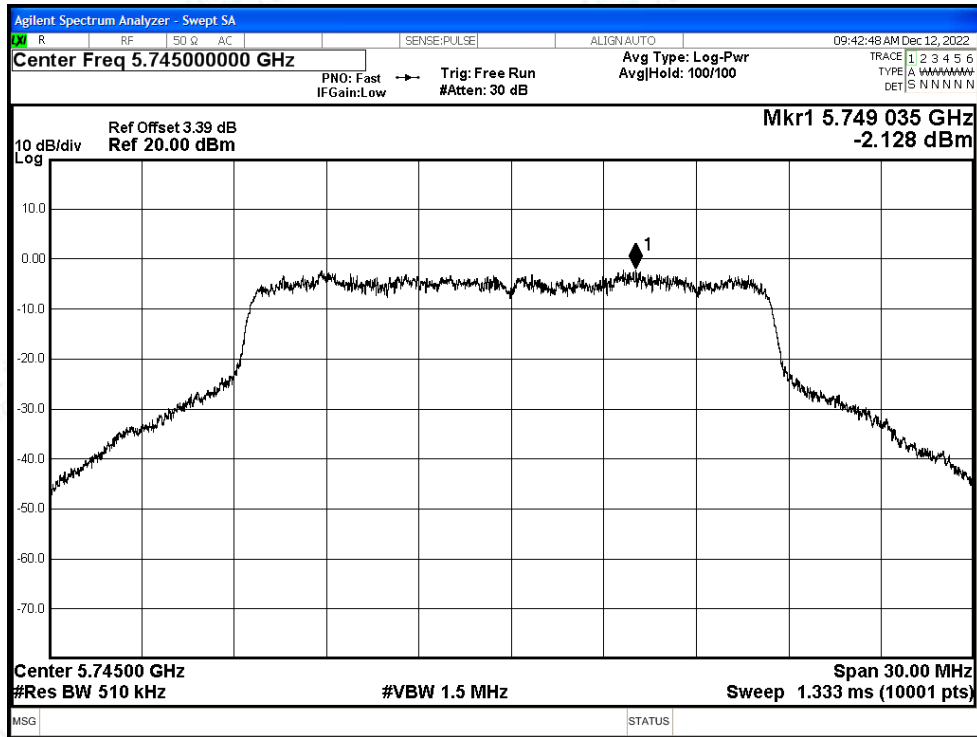


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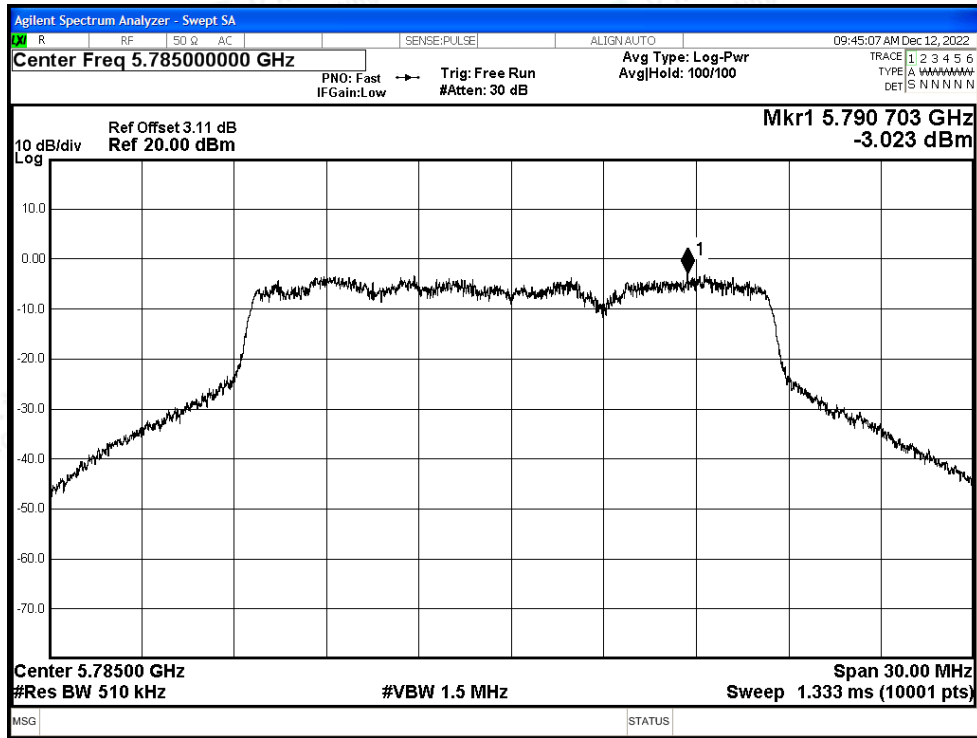


Test Graphs

PSD NVNT a 5745MHz Ant0

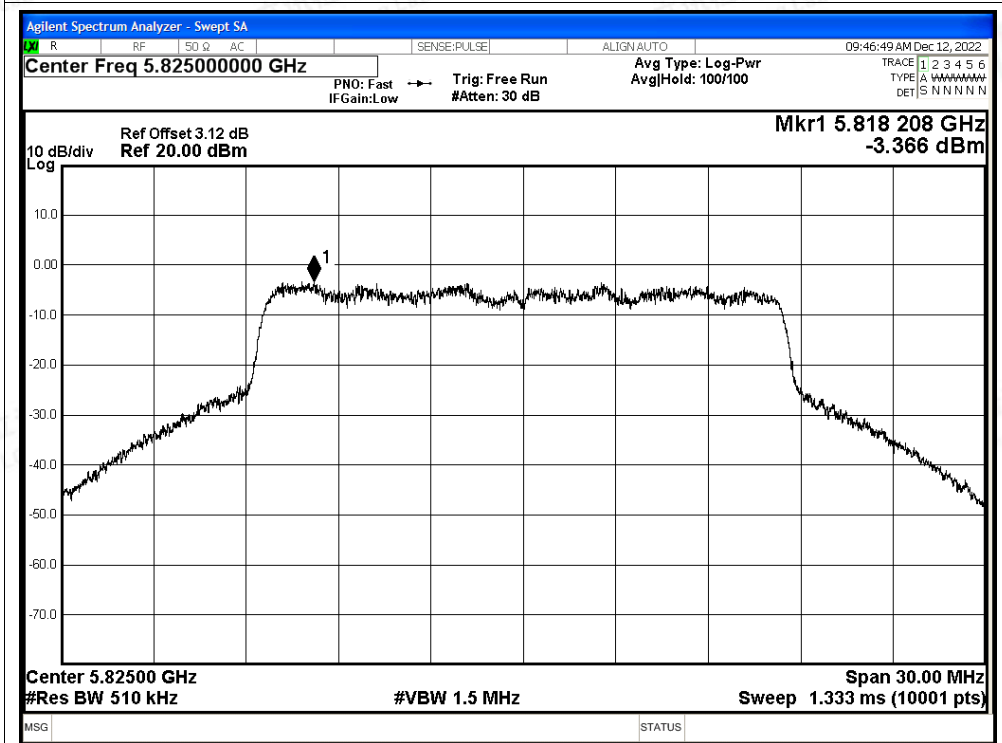


PSD NVNT a 5785MHz Ant0

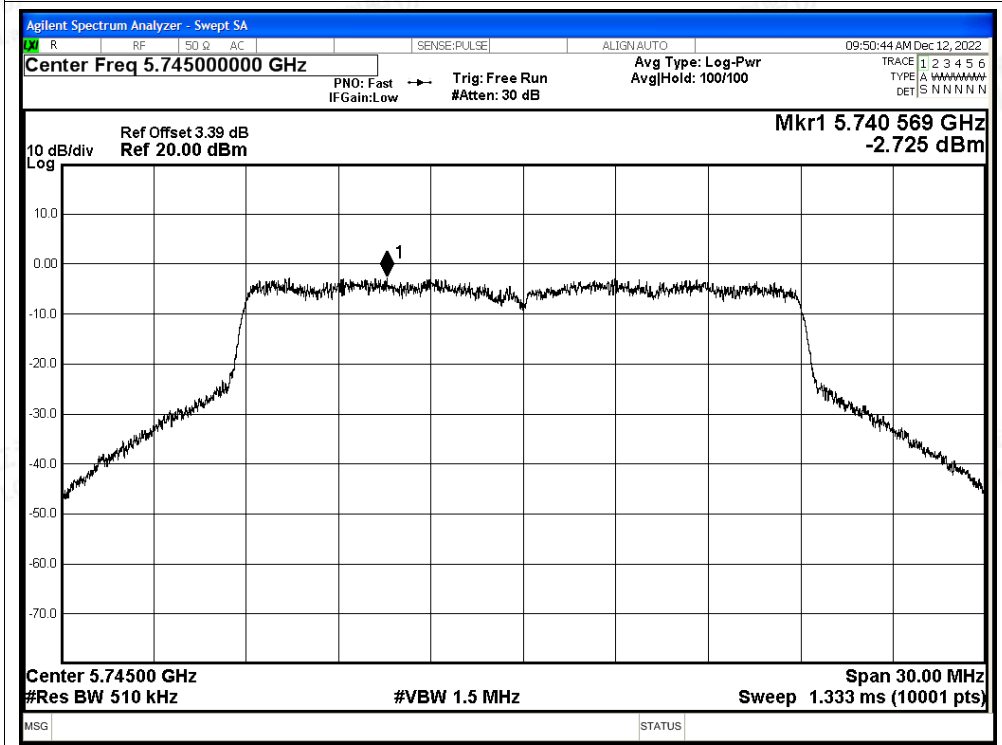


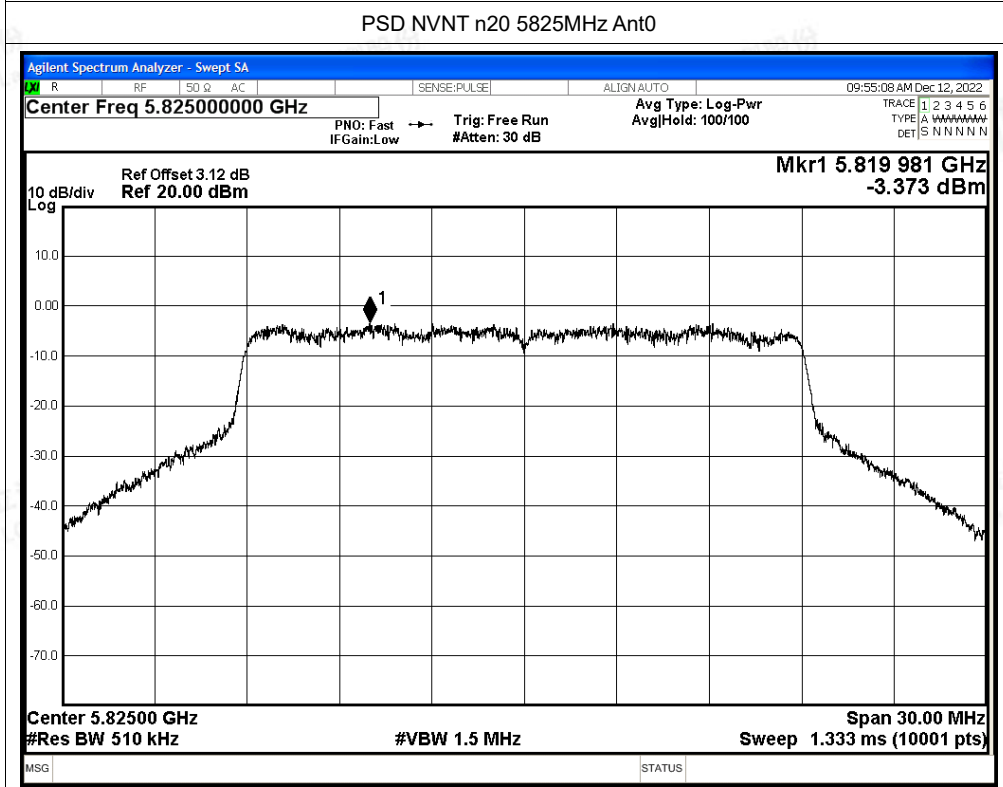
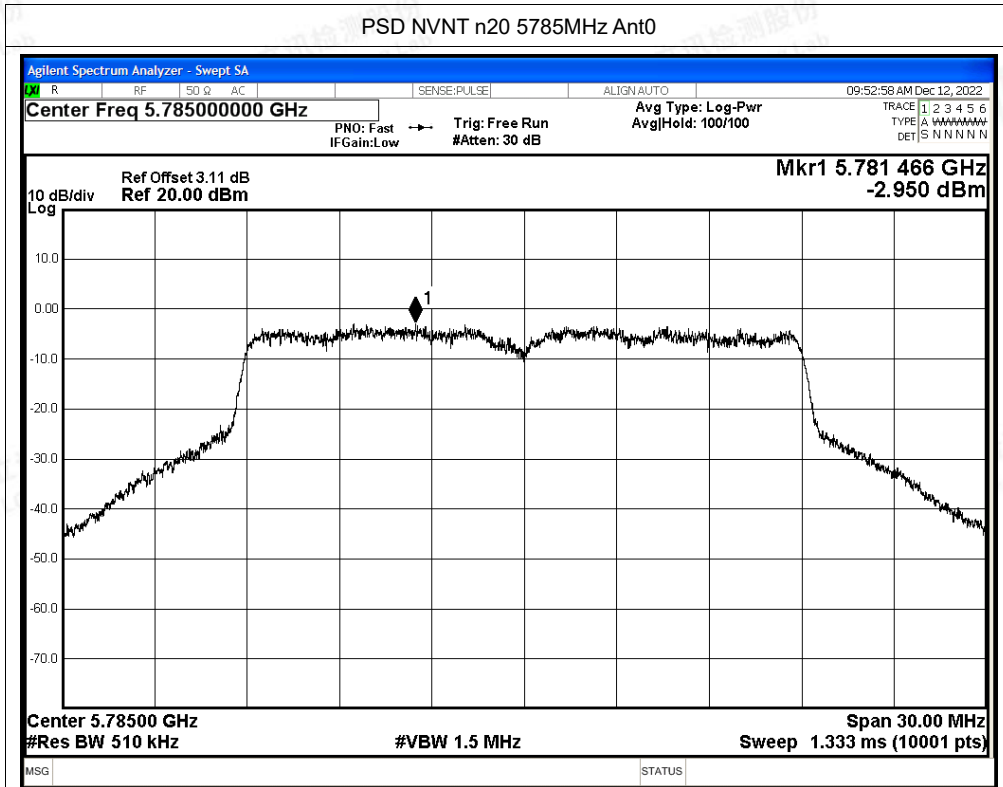


PSD NVNT a 5825MHz Ant0

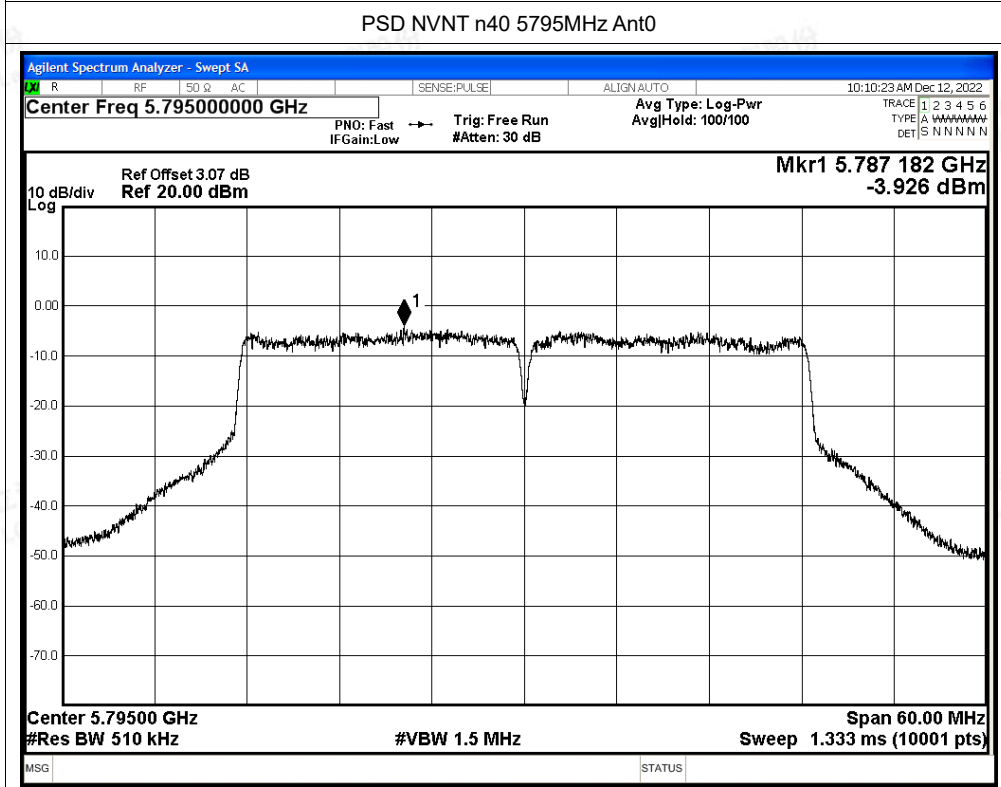
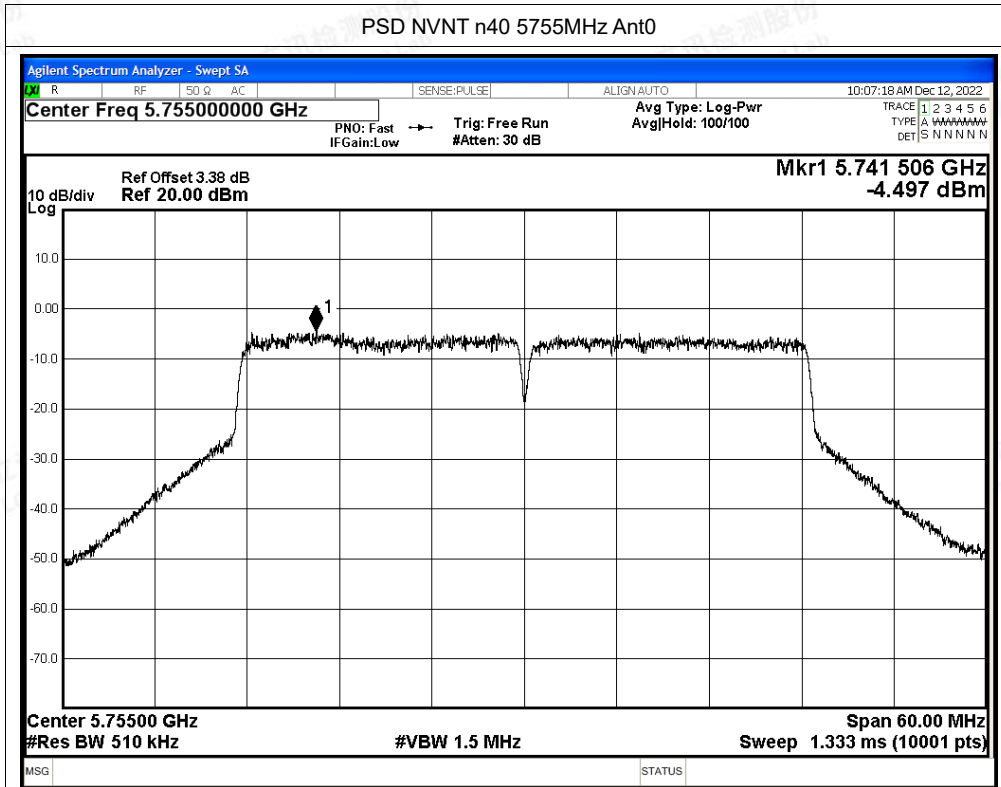


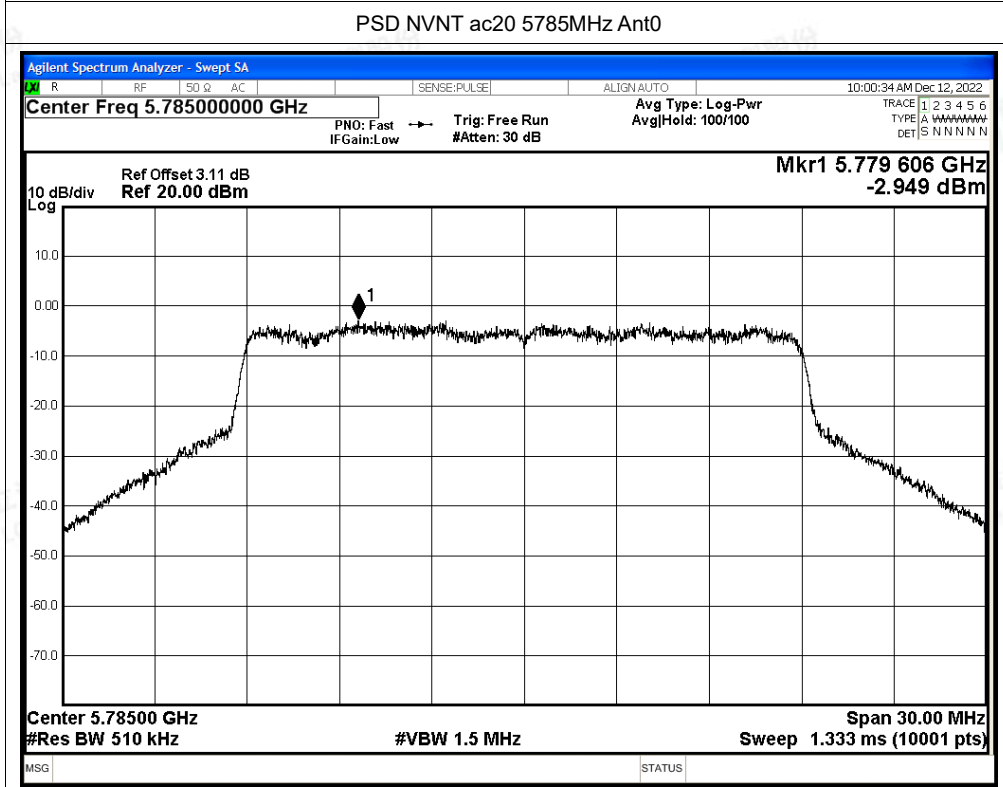
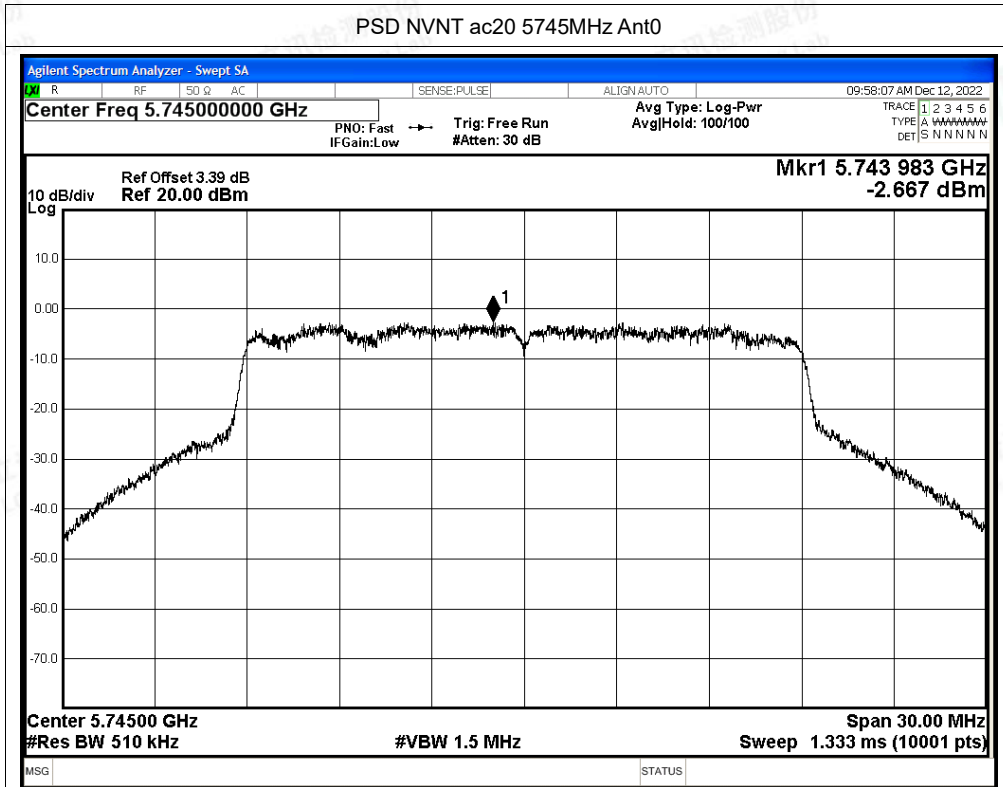
PSD NVNT n20 5745MHz Ant0

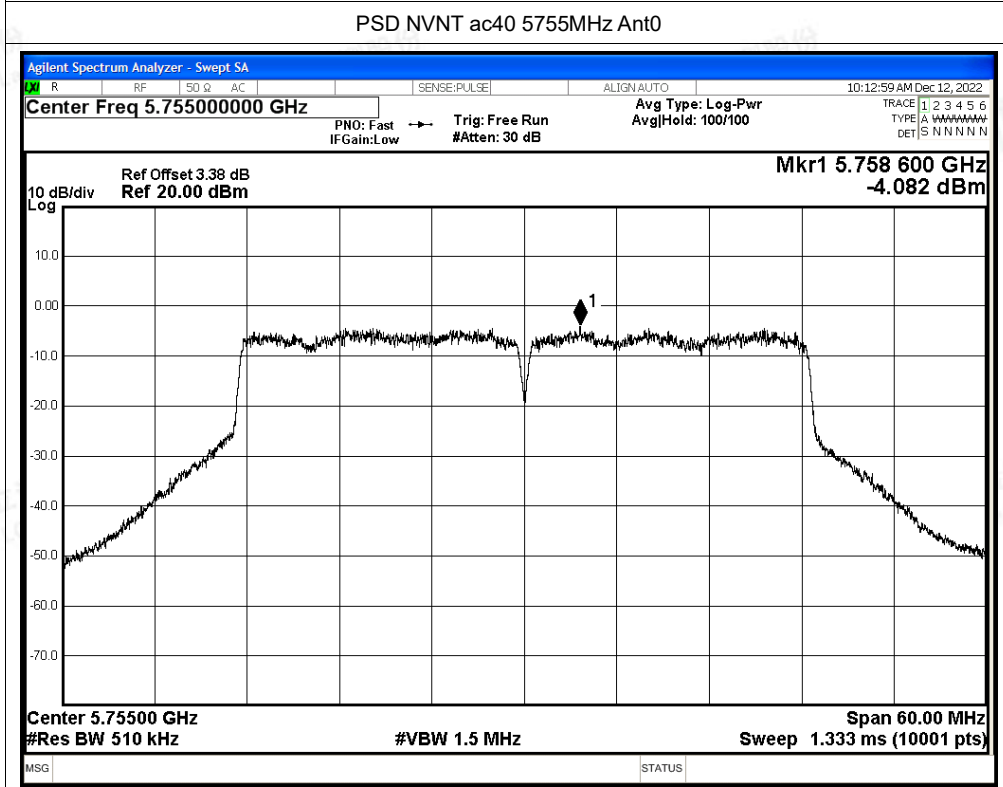
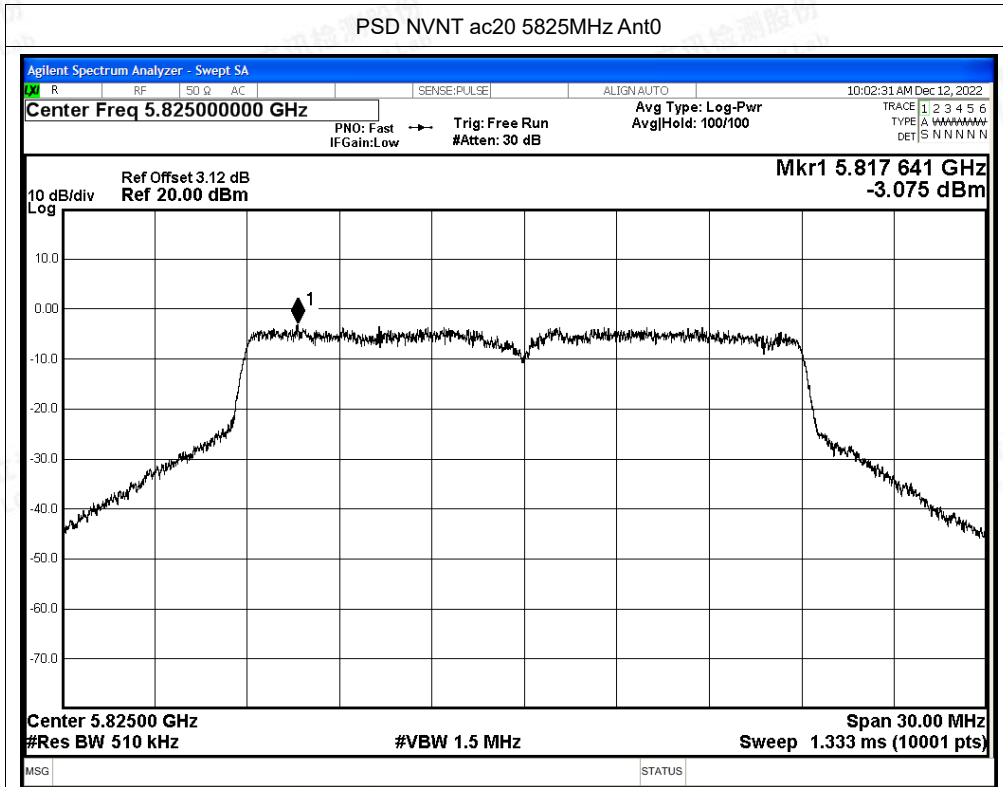


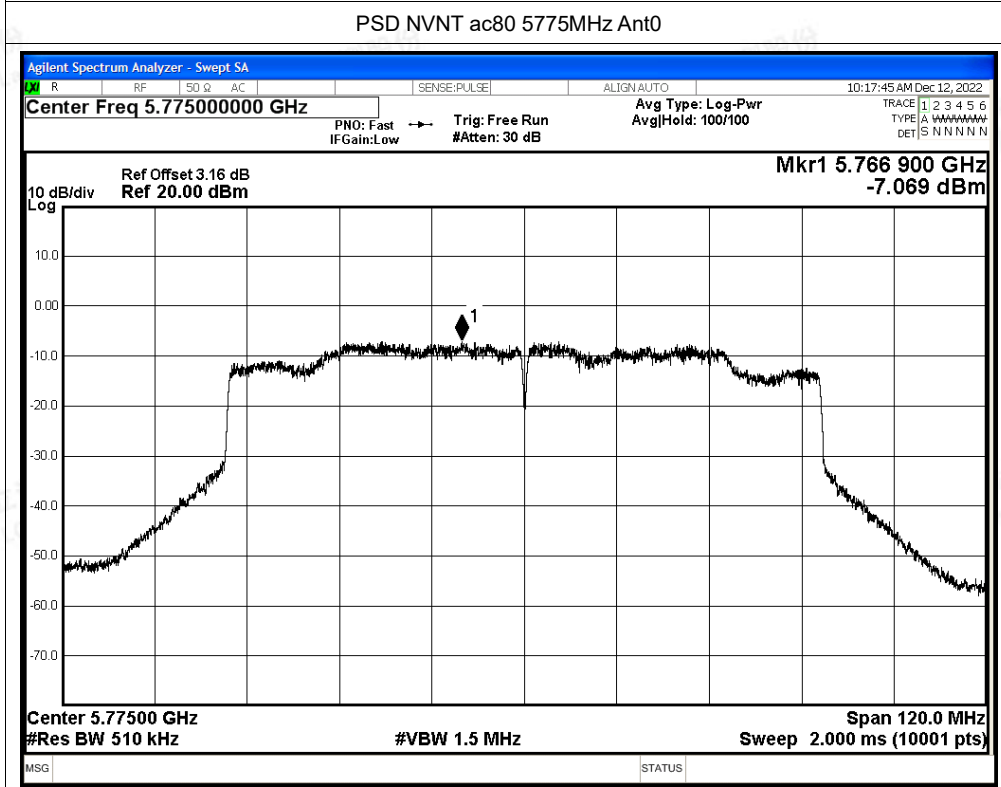
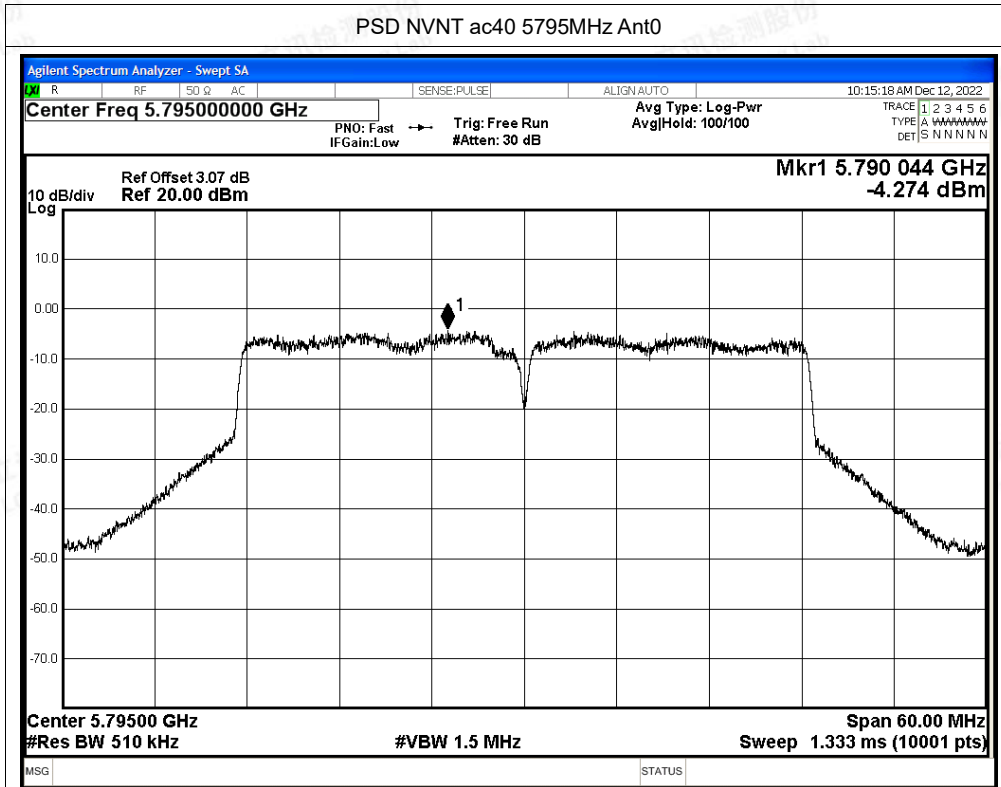








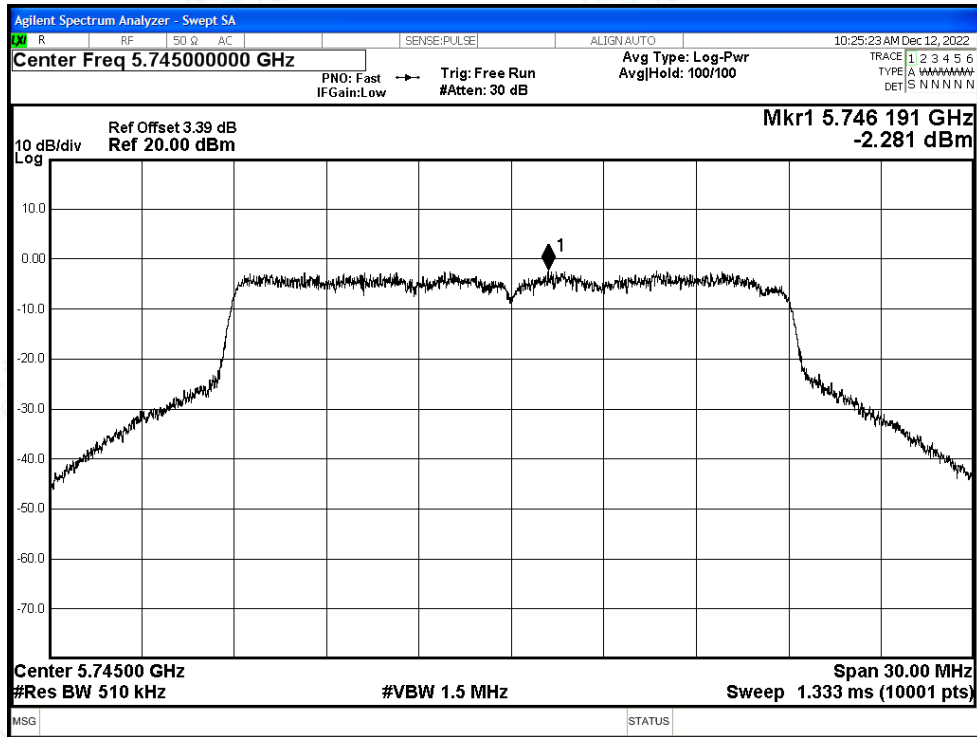




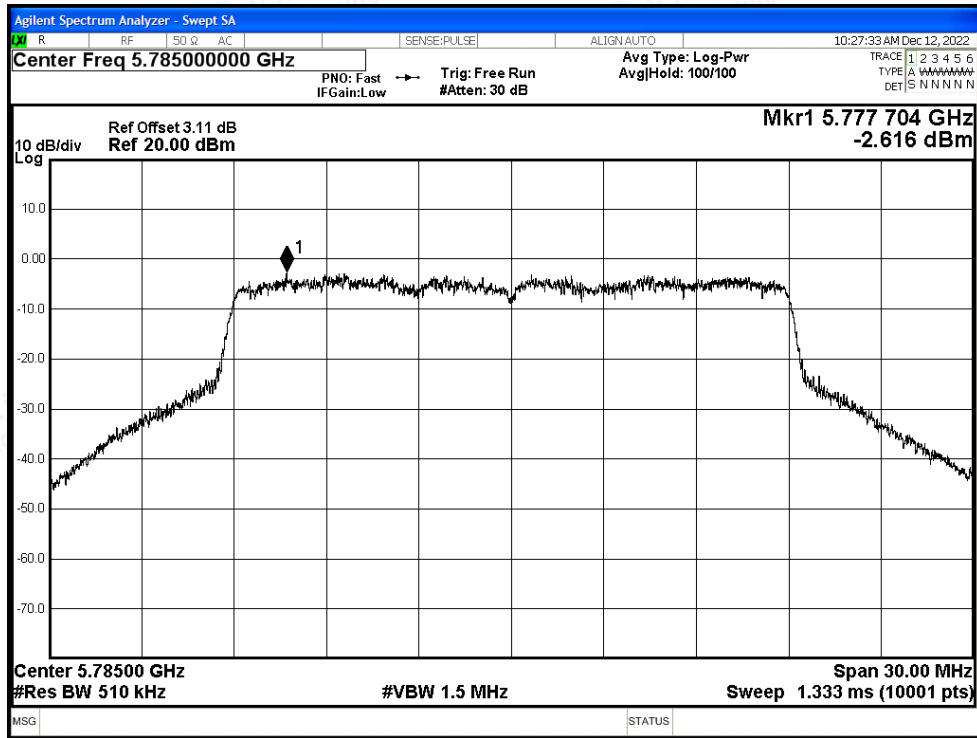


Test Graphs

PSD NVNT a 5745MHz Ant1

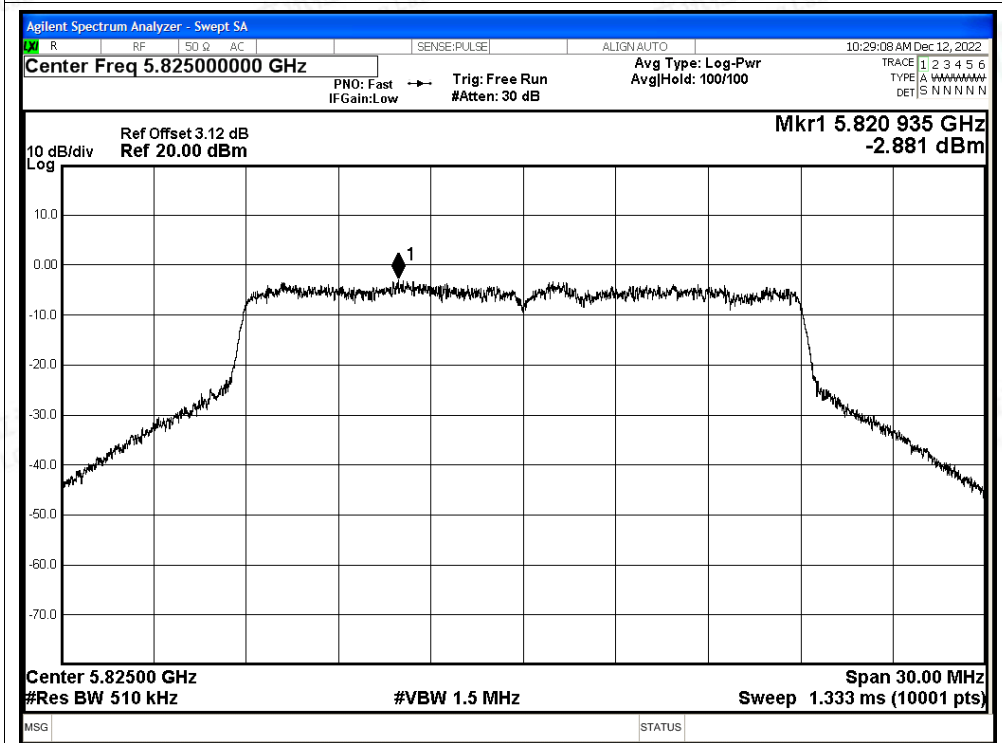


PSD NVNT a 5785MHz Ant1

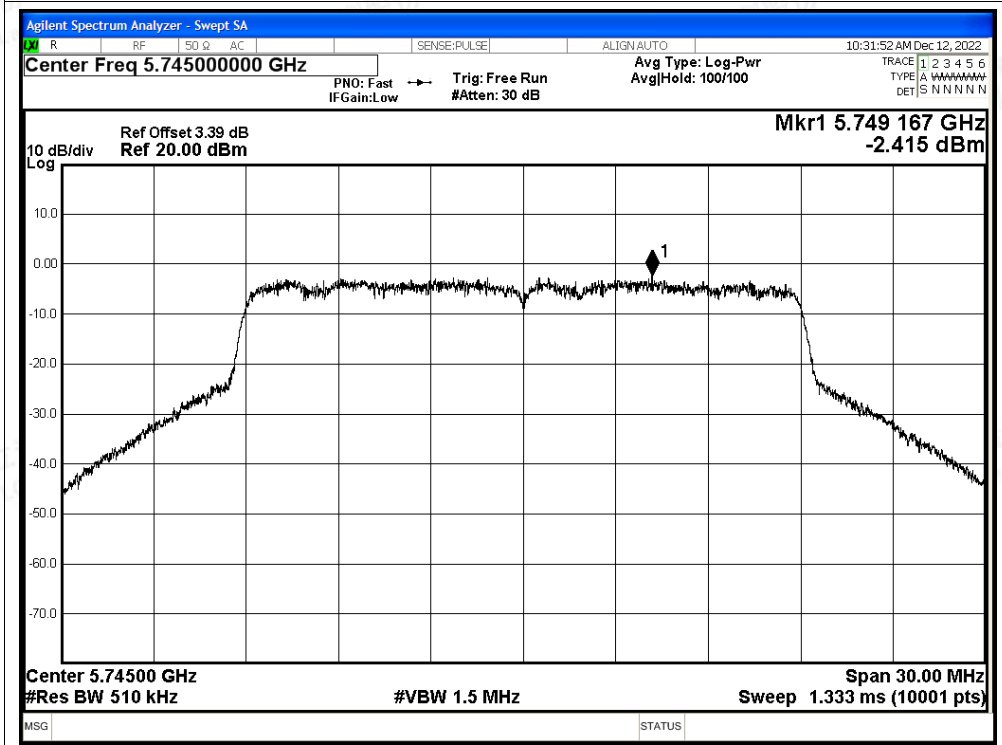


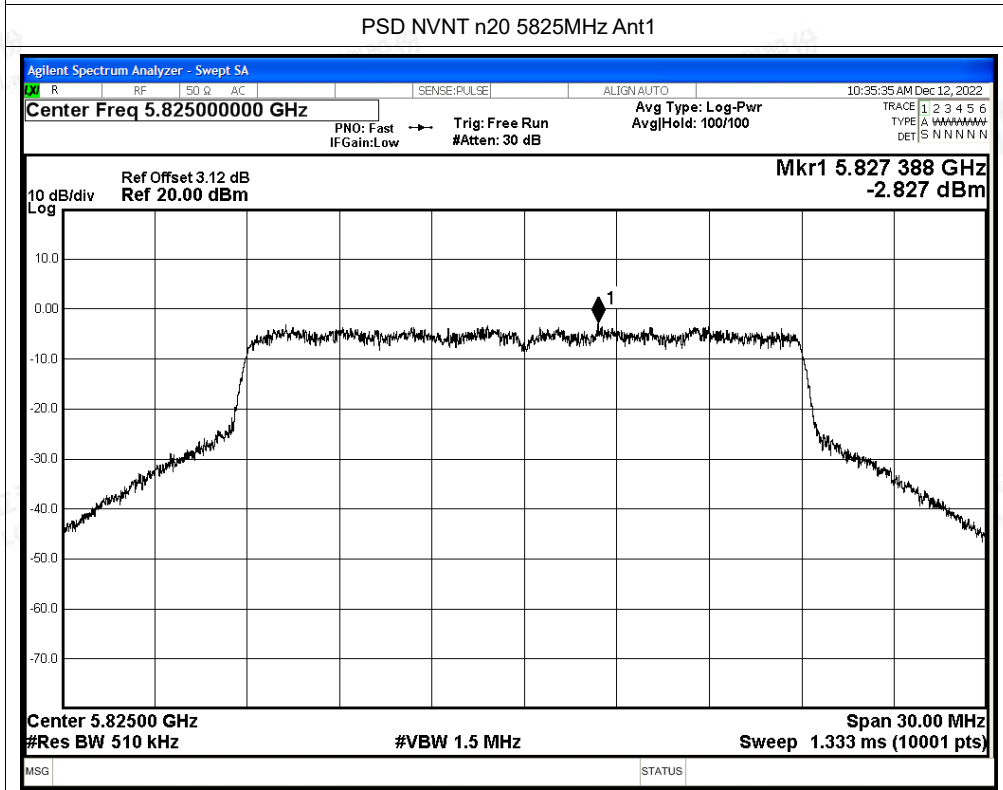
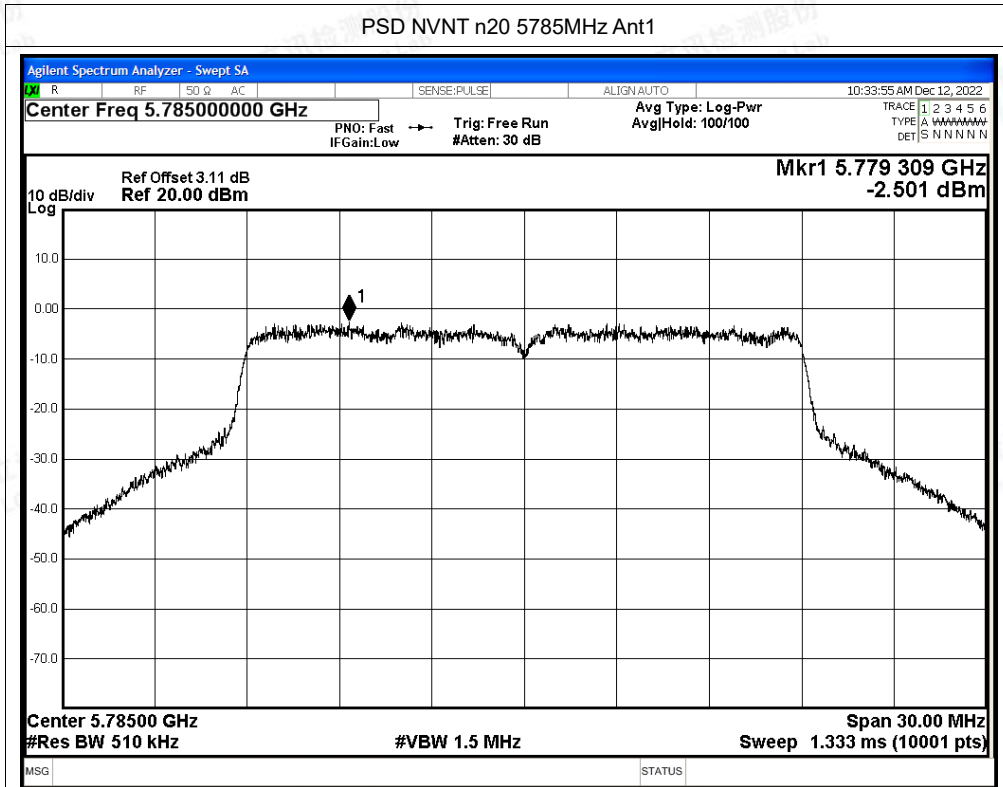


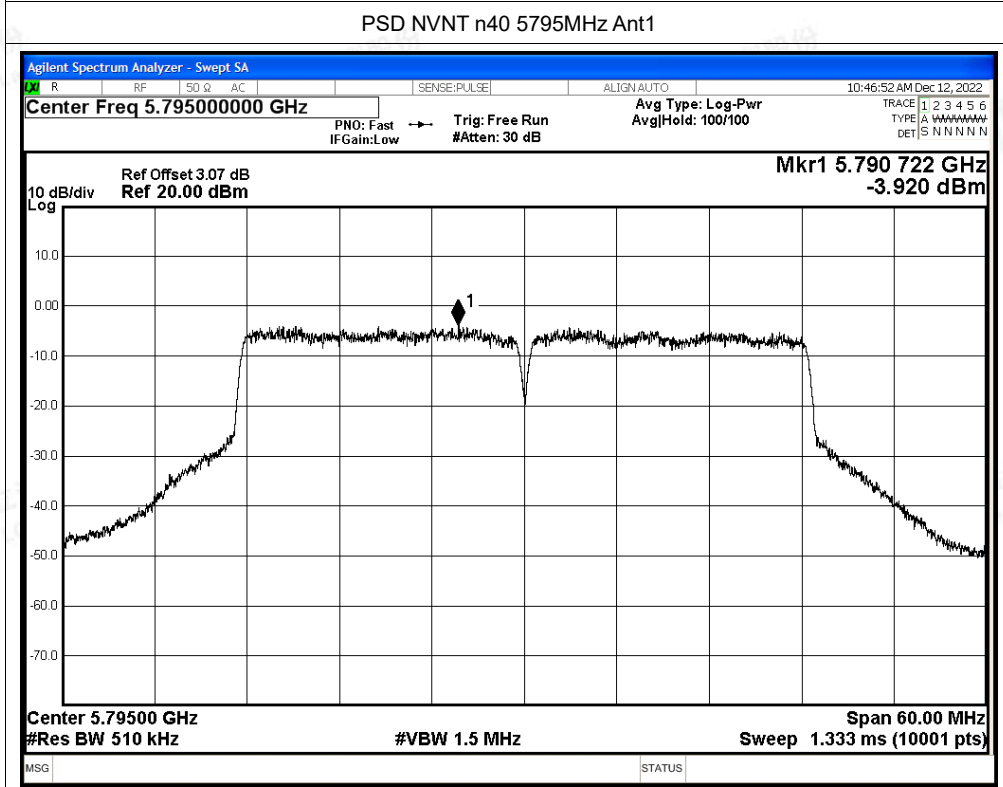
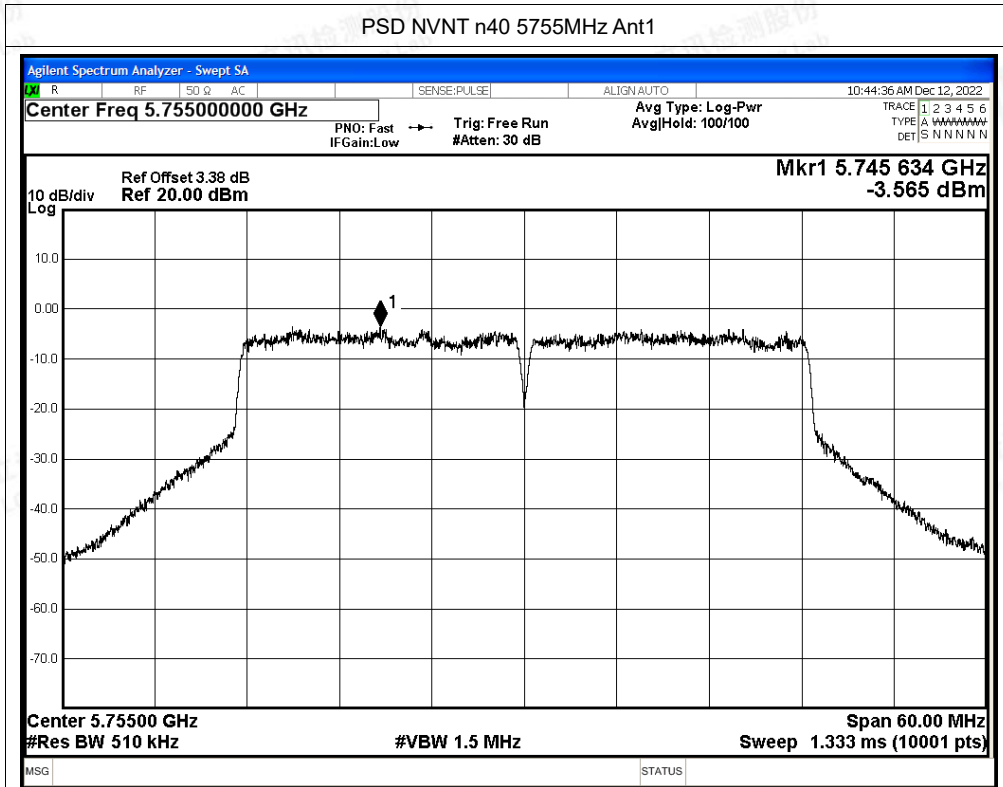
PSD NVNT a 5825MHz Ant1



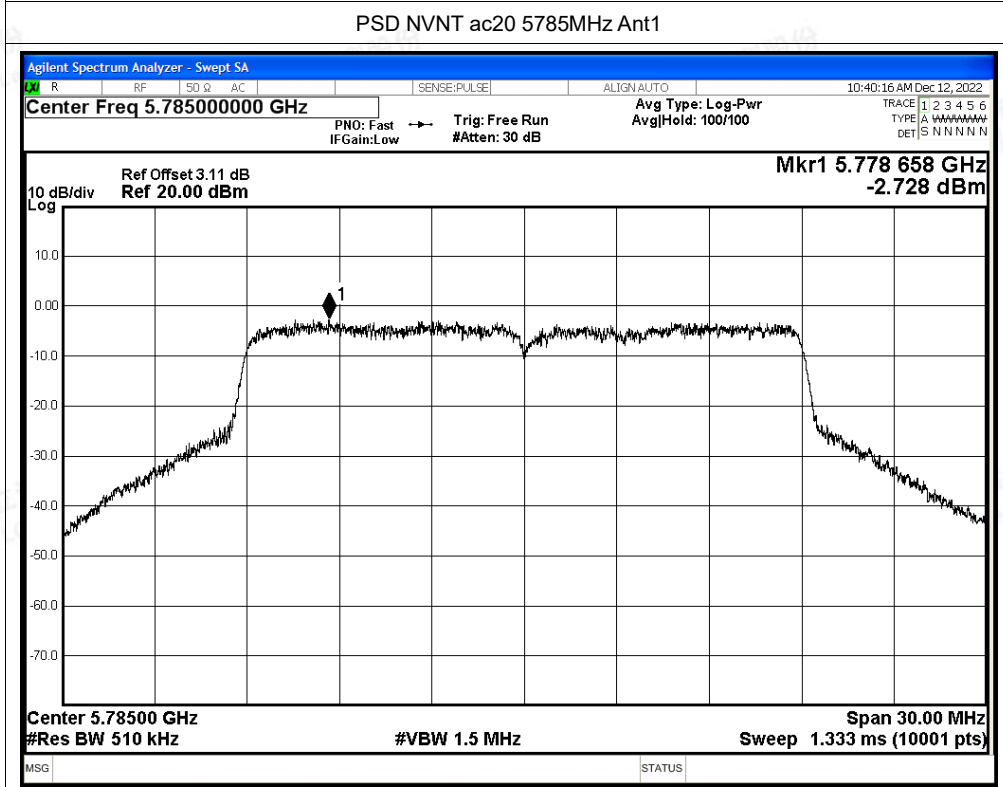
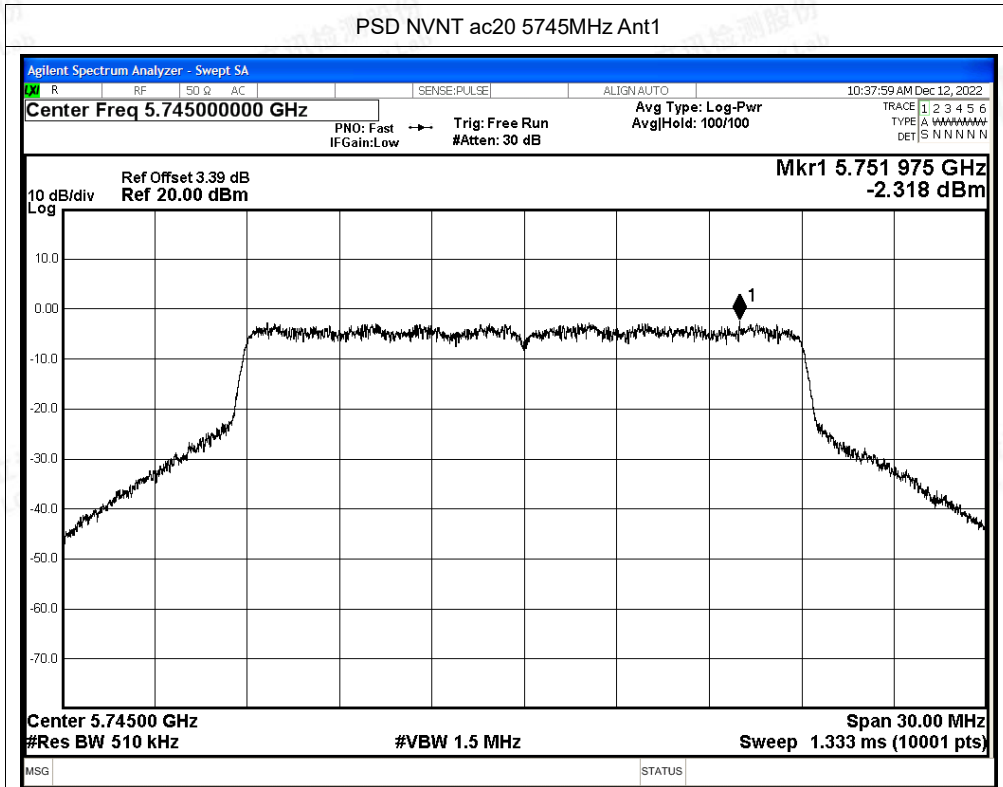
PSD NVNT n20 5745MHz Ant1

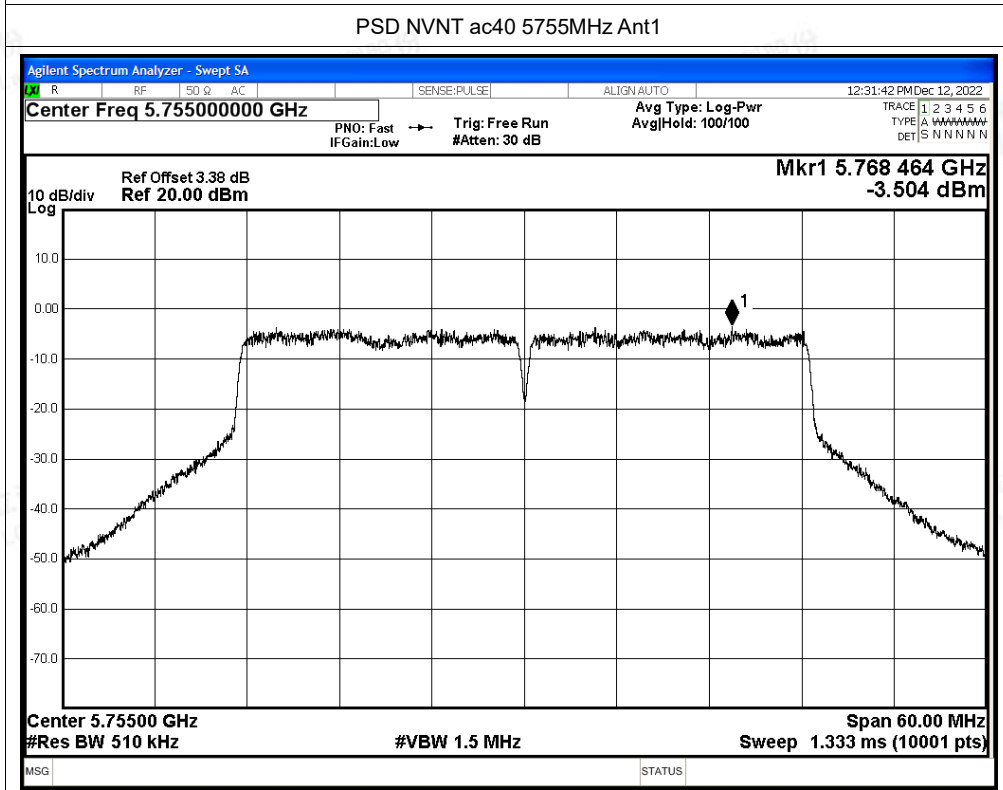
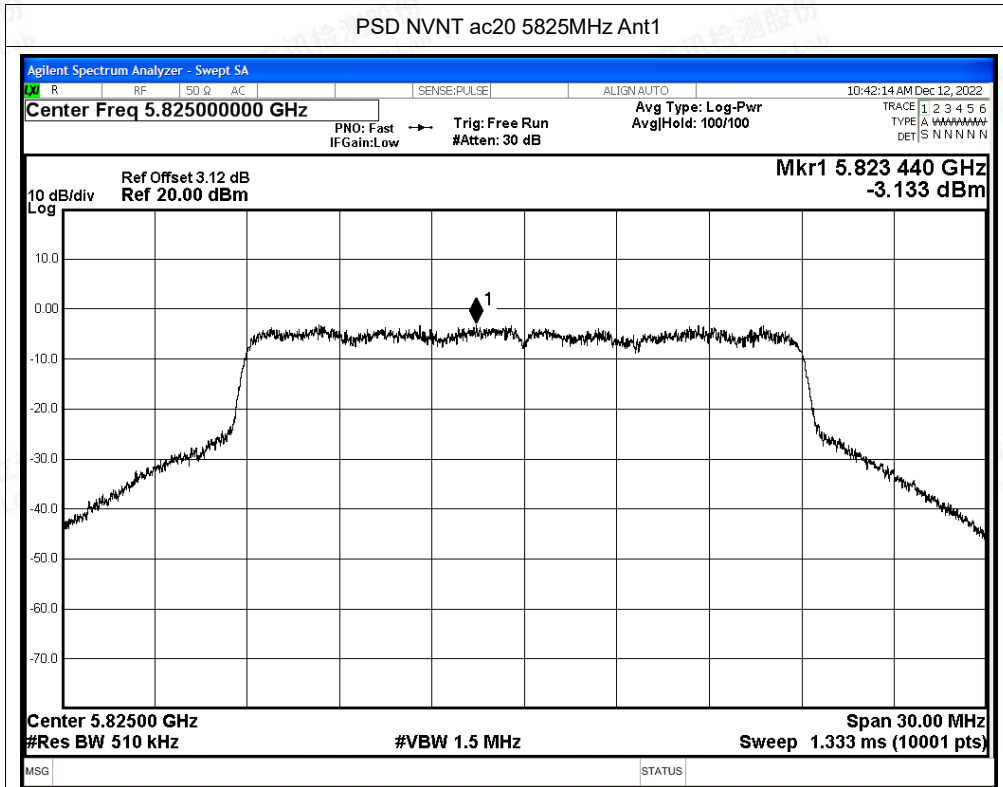


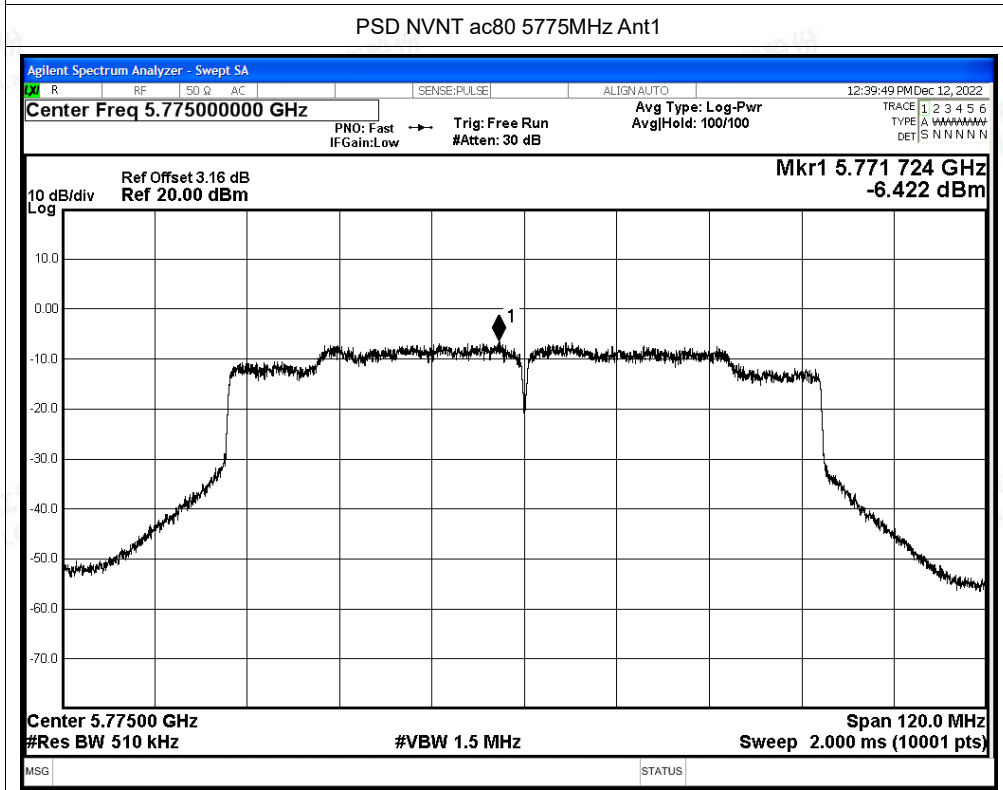
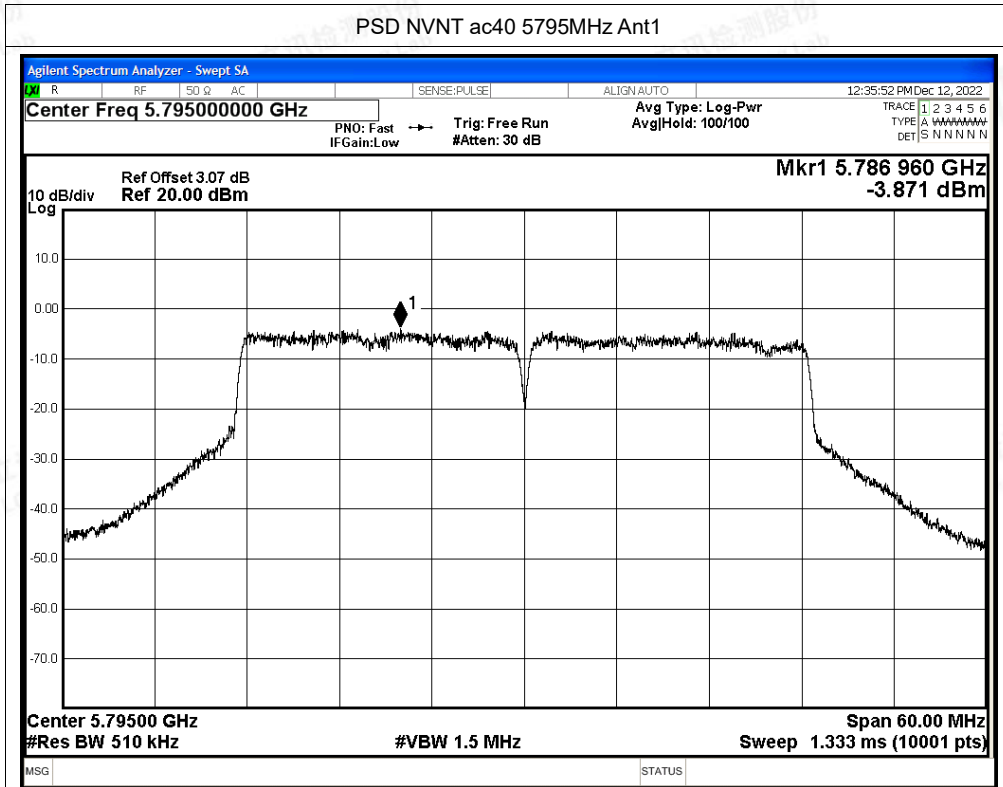














## E.4 Restrict Band

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Detector	Limit (dBm)	Verdict
NVNT	a	5745	5650	-42.52	3.03	-39.49	Peak	-27	Pass
NVNT	a	5745	5650	-52.46	3.03	-49.43	Average	-27	Pass
NVNT	a	5745	5700	-42.71	3.03	-39.68	Peak	10	Pass
NVNT	a	5745	5700	-51.74	3.03	-48.71	Average	10	Pass
NVNT	a	5745	5720	-40.61	3.03	-37.58	Peak	15.6	Pass
NVNT	a	5745	5720	-49.57	3.03	-46.54	Average	15.6	Pass
NVNT	a	5745	5725	-29.83	3.03	-26.8	Peak	27	Pass
NVNT	a	5745	5725	-43.81	3.03	-40.78	Average	27	Pass
NVNT	a	5825	5850	-41.31	3.03	-38.28	Peak	27	Pass
NVNT	a	5825	5850	-51.2	3.03	-48.17	Average	27	Pass
NVNT	a	5825	5855	-42.5	3.03	-39.47	Peak	15.6	Pass
NVNT	a	5825	5855	-52.51	3.03	-49.48	Average	15.6	Pass
NVNT	a	5825	5875	-45.23	3.03	-42.2	Peak	10	Pass
NVNT	a	5825	5875	-52.93	3.03	-49.9	Average	10	Pass
NVNT	a	5825	5925	-43.74	3.03	-40.71	Peak	-27	Pass
NVNT	a	5825	5925	-52.67	3.03	-49.64	Average	-27	Pass
NVNT	n20-MIMO	5745	5650	-43.64	6.04	-37.6	Peak	-27	Pass
NVNT	n20-MIMO	5745	5650	-52.27	6.04	-46.23	Average	-27	Pass
NVNT	n20-MIMO	5745	5700	-41.64	6.04	-35.6	Peak	10	Pass
NVNT	n20-MIMO	5745	5700	-51.68	6.04	-45.64	Average	10	Pass
NVNT	n20-MIMO	5745	5720	-36.77	6.04	-30.73	Peak	15.6	Pass
NVNT	n20-MIMO	5745	5720	-48.09	6.04	-42.05	Average	15.6	Pass
NVNT	n20-MIMO	5745	5725	-31.11	6.04	-25.07	Peak	27	Pass
NVNT	n20-MIMO	5745	5725	-43.18	6.04	-37.14	Average	27	Pass
NVNT	n20-MIMO	5825	5850	-36.86	6.04	-30.82	Peak	27	Pass
NVNT	n20-MIMO	5825	5850	-48.97	6.04	-42.93	Average	27	Pass
NVNT	n20-MIMO	5825	5855	-41.77	6.04	-35.73	Peak	15.6	Pass
NVNT	n20-MIMO	5825	5855	-51.84	6.04	-45.8	Average	15.6	Pass
NVNT	n20-MIMO	5825	5875	-42.93	6.04	-36.89	Peak	10	Pass
NVNT	n20-MIMO	5825	5875	-52.91	6.04	-46.87	Average	10	Pass
NVNT	n20-MIMO	5825	5925	-43.05	6.04	-37.01	Peak	-27	Pass
NVNT	n20-MIMO	5825	5925	-52.77	6.04	-46.73	Average	-27	Pass
NVNT	n40-MIMO	5755	5650	-43.48	6.04	-37.44	Peak	-27	Pass
NVNT	n40-MIMO	5755	5650	-51.69	6.04	-45.65	Average	-27	Pass
NVNT	n40-MIMO	5755	5700	-37.46	6.04	-31.42	Peak	10	Pass
NVNT	n40-MIMO	5755	5700	-47.5	6.04	-41.46	Average	10	Pass
NVNT	n40-MIMO	5755	5720	-30.06	6.04	-24.02	Peak	15.6	Pass





NVNT	n40-MIMO	5755	5720	-40.81	6.04	-34.77	Average	15.6	Pass
NVNT	n40-MIMO	5755	5725	-31.33	6.04	-25.29	Peak	27	Pass
NVNT	n40-MIMO	5755	5725	-40.3	6.04	-34.26	Average	27	Pass
NVNT	n40-MIMO	5795	5850	-39.12	6.04	-33.08	Peak	27	Pass
NVNT	n40-MIMO	5795	5850	-47.49	6.04	-41.45	Average	27	Pass
NVNT	n40-MIMO	5795	5855	-36.35	6.04	-30.31	Peak	15.6	Pass
NVNT	n40-MIMO	5795	5855	-47.63	6.04	-41.59	Average	15.6	Pass
NVNT	n40-MIMO	5795	5875	-41.36	6.04	-35.32	Peak	10	Pass
NVNT	n40-MIMO	5795	5875	-49.89	6.04	-43.85	Average	10	Pass
NVNT	n40-MIMO	5795	5925	-42.57	6.04	-36.53	Peak	-27	Pass
NVNT	n40-MIMO	5795	5925	-52.46	6.04	-46.42	Average	-27	Pass
NVNT	ac20-MIMO	5745	5650	-41.87	6.04	-35.83	Peak	-27	Pass
NVNT	ac20-MIMO	5745	5650	-52.57	6.04	-46.53	Average	-27	Pass
NVNT	ac20-MIMO	5745	5700	-43.43	6.04	-37.39	Peak	10	Pass
NVNT	ac20-MIMO	5745	5700	-51.68	6.04	-45.64	Average	10	Pass
NVNT	ac20-MIMO	5745	5720	-38.74	6.04	-32.7	Peak	15.6	Pass
NVNT	ac20-MIMO	5745	5720	-49.04	6.04	-43	Average	15.6	Pass
NVNT	ac20-MIMO	5745	5725	-33.91	6.04	-27.87	Peak	27	Pass
NVNT	ac20-MIMO	5745	5725	-44.52	6.04	-38.48	Average	27	Pass
NVNT	ac20-MIMO	5825	5850	-32.98	6.04	-26.94	Peak	27	Pass
NVNT	ac20-MIMO	5825	5850	-49.27	6.04	-43.23	Average	27	Pass
NVNT	ac20-MIMO	5825	5855	-42.44	6.04	-36.4	Peak	15.6	Pass
NVNT	ac20-MIMO	5825	5855	-52.01	6.04	-45.97	Average	15.6	Pass
NVNT	ac20-MIMO	5825	5875	-44.12	6.04	-38.08	Peak	10	Pass
NVNT	ac20-MIMO	5825	5875	-52.8	6.04	-46.76	Average	10	Pass
NVNT	ac20-MIMO	5825	5925	-43.49	6.04	-37.45	Peak	-27	Pass
NVNT	ac20-MIMO	5825	5925	-52.85	6.04	-46.81	Average	-27	Pass
NVNT	ac40-MIMO	5755	5650	-43.18	6.04	-37.14	Peak	-27	Pass
NVNT	ac40-MIMO	5755	5650	-51.83	6.04	-45.79	Average	-27	Pass
NVNT	ac40-MIMO	5755	5700	-38.28	6.04	-32.24	Peak	10	Pass
NVNT	ac40-MIMO	5755	5700	-46.96	6.04	-40.92	Average	10	Pass
NVNT	ac40-MIMO	5755	5720	-30.75	6.04	-24.71	Peak	15.6	Pass
NVNT	ac40-MIMO	5755	5720	-41.65	6.04	-35.61	Average	15.6	Pass
NVNT	ac40-MIMO	5755	5725	-30.65	6.04	-24.61	Peak	27	Pass
NVNT	ac40-MIMO	5755	5725	-41.13	6.04	-35.09	Average	27	Pass
NVNT	ac40-MIMO	5795	5850	-37.44	6.04	-31.4	Peak	27	Pass
NVNT	ac40-MIMO	5795	5850	-46.68	6.04	-40.64	Average	27	Pass
NVNT	ac40-MIMO	5795	5855	-37.33	6.04	-31.29	Peak	15.6	Pass
NVNT	ac40-MIMO	5795	5855	-46.96	6.04	-40.92	Average	15.6	Pass
NVNT	ac40-MIMO	5795	5875	-40.94	6.04	-34.9	Peak	10	Pass
NVNT	ac40-MIMO	5795	5875	-49.77	6.04	-43.73	Average	10	Pass





NVNT	ac40-MIMO	5795	5925	-42.99	6.04	-36.95	Peak	-27	Pass
NVNT	ac40-MIMO	5795	5925	-52.19	6.04	-46.15	Average	-27	Pass
NVNT	ac80-MIMO	5775	5650	-41.18	6.04	-35.14	Peak	-27	Pass
NVNT	ac80-MIMO	5775	5650	-50.32	6.04	-44.28	Average	-27	Pass
NVNT	ac80-MIMO	5775	5700	-33.38	6.04	-27.34	Peak	10	Pass
NVNT	ac80-MIMO	5775	5700	-43.02	6.04	-36.98	Average	10	Pass
NVNT	ac80-MIMO	5775	5720	-33.62	6.04	-27.58	Peak	15.6	Pass
NVNT	ac80-MIMO	5775	5720	-41.24	6.04	-35.2	Average	15.6	Pass
NVNT	ac80-MIMO	5775	5725	-24.88	6.04	-18.84	Peak	27	Pass
NVNT	ac80-MIMO	5775	5725	-36.02	6.04	-29.98	Average	27	Pass
NVNT	ac80-MIMO	5775	5850	-40.42	6.04	-34.38	Peak	27	Pass
NVNT	ac80-MIMO	5775	5850	-49.05	6.04	-43.01	Average	27	Pass
NVNT	ac80-MIMO	5775	5855	-40.61	6.04	-34.57	Peak	15.6	Pass
NVNT	ac80-MIMO	5775	5855	-50.01	6.04	-43.97	Average	15.6	Pass
NVNT	ac80-MIMO	5775	5875	-39.81	6.04	-33.77	Peak	10	Pass
NVNT	ac80-MIMO	5775	5875	-51.36	6.04	-45.32	Average	10	Pass
NVNT	ac80-MIMO	5775	5925	-43.59	6.04	-37.55	Peak	-27	Pass
NVNT	ac80-MIMO	5775	5925	-51.69	6.04	-45.65	Average	-27	Pass

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

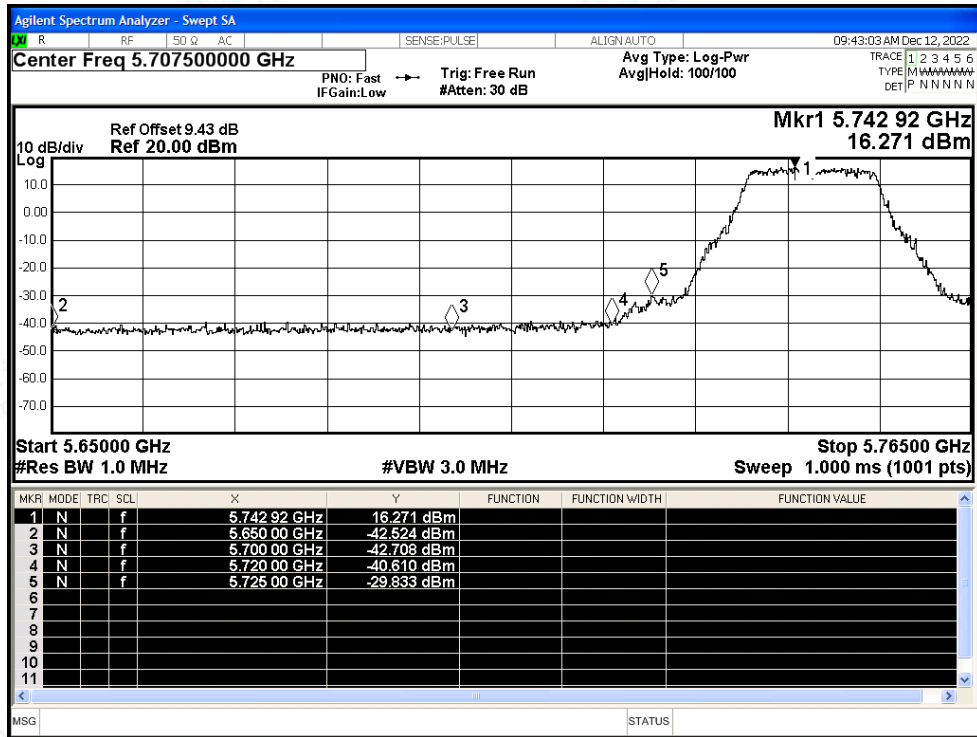


Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity

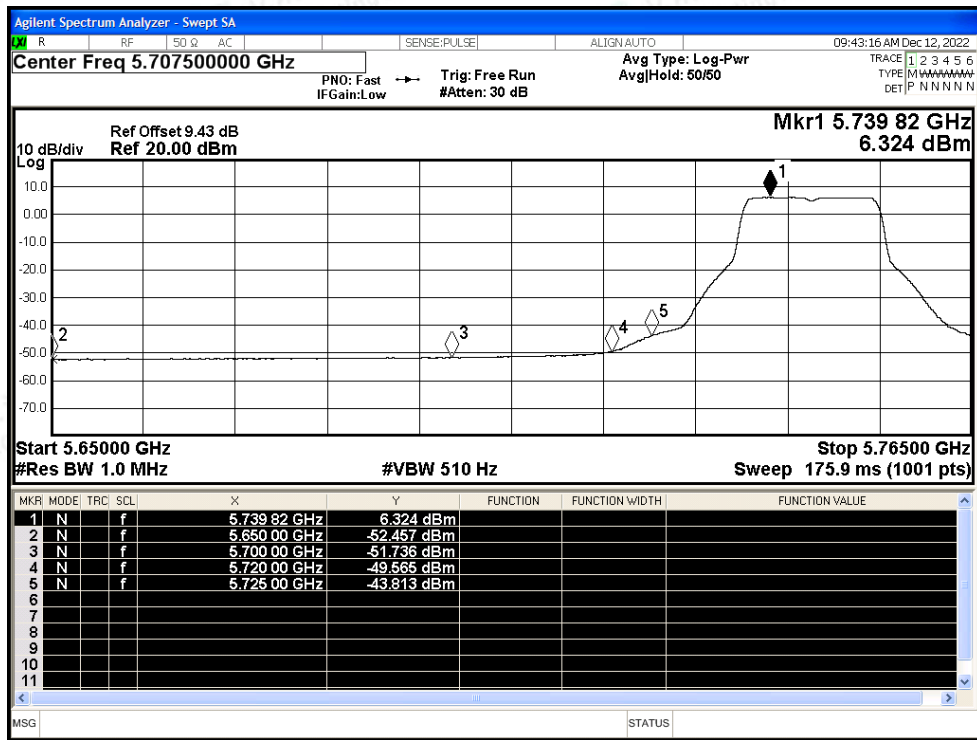


Test Graphs

Restrict Band NVNT a 5745MHz Peak

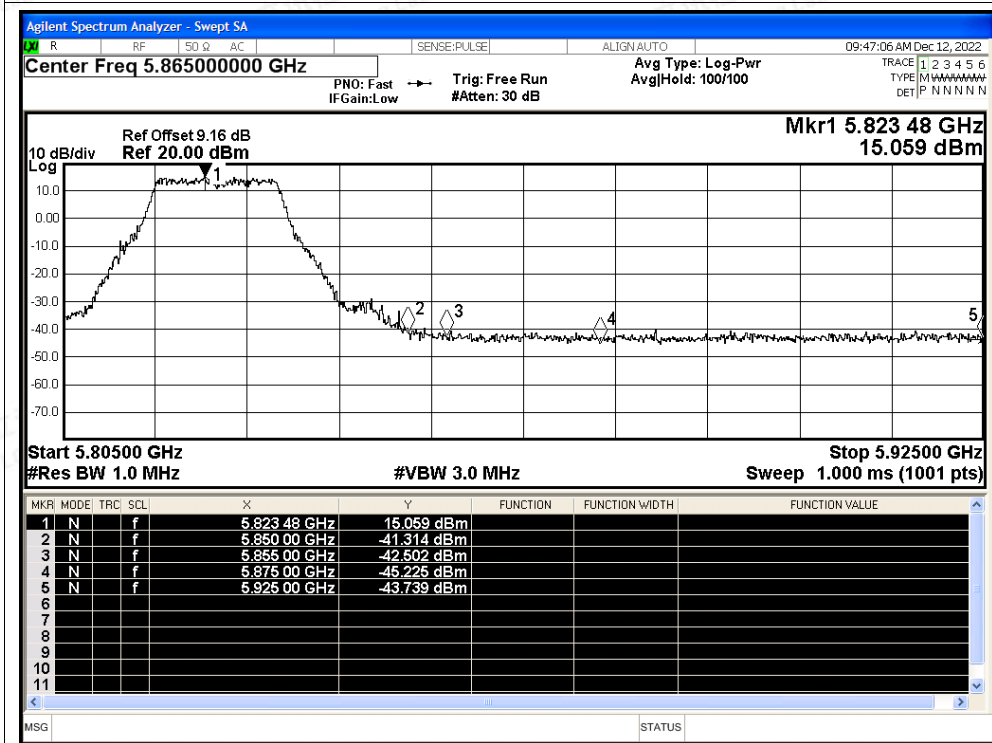


Restrict Band NVNT a 5745MHz Average

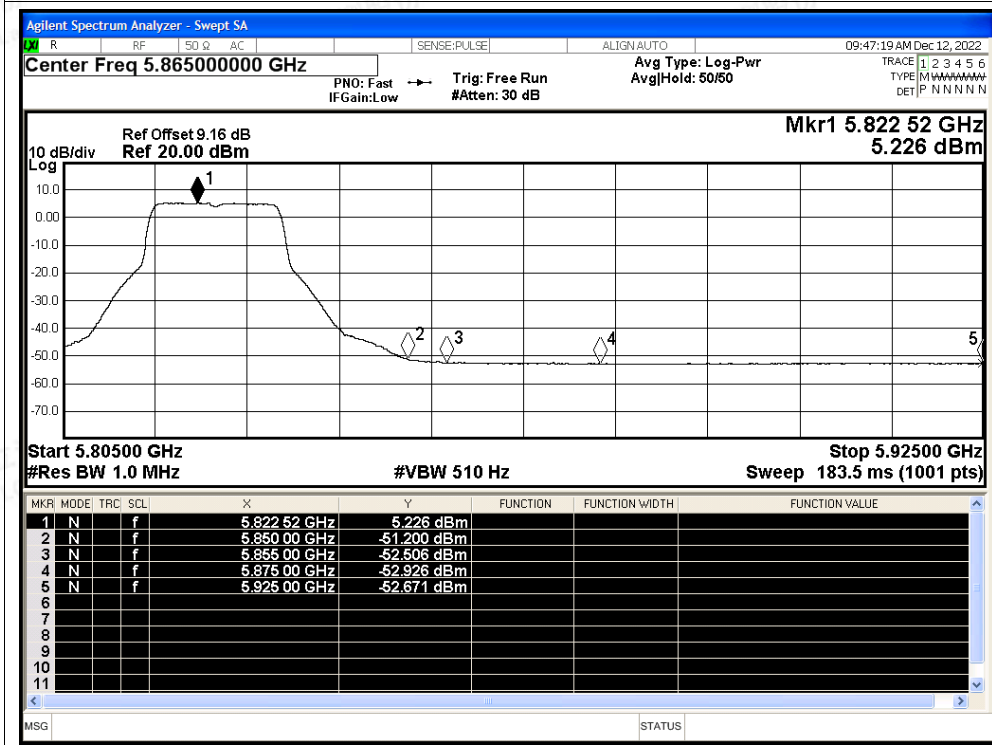




Restrict Band NVNT a 5825MHz Peak



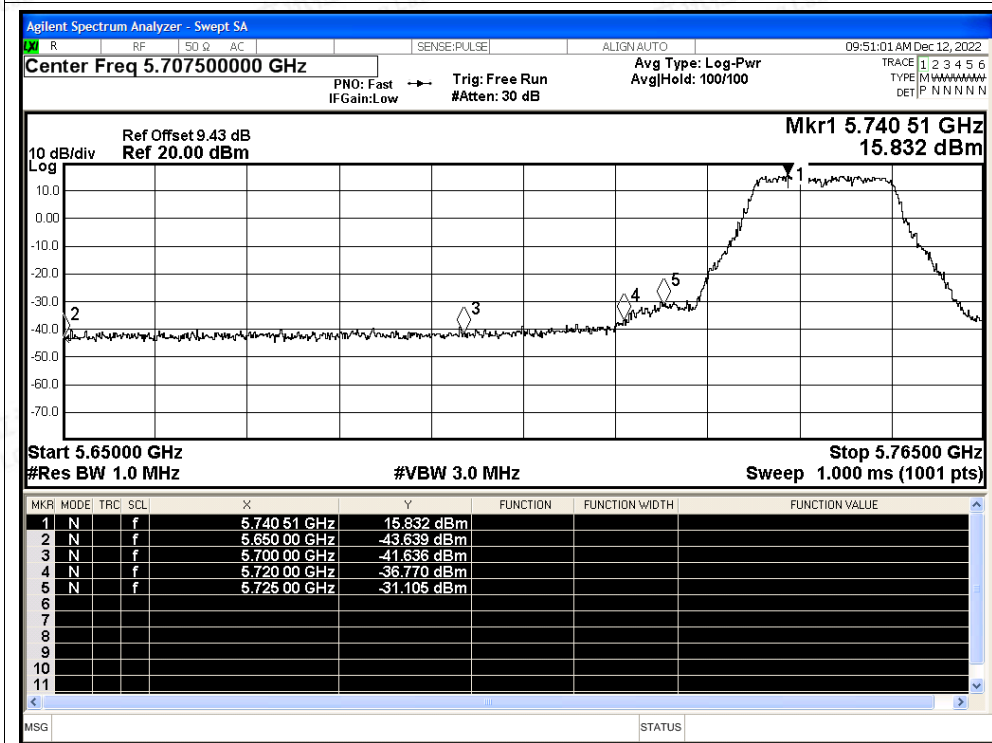
Restrict Band NVNT a 5825MHz Average



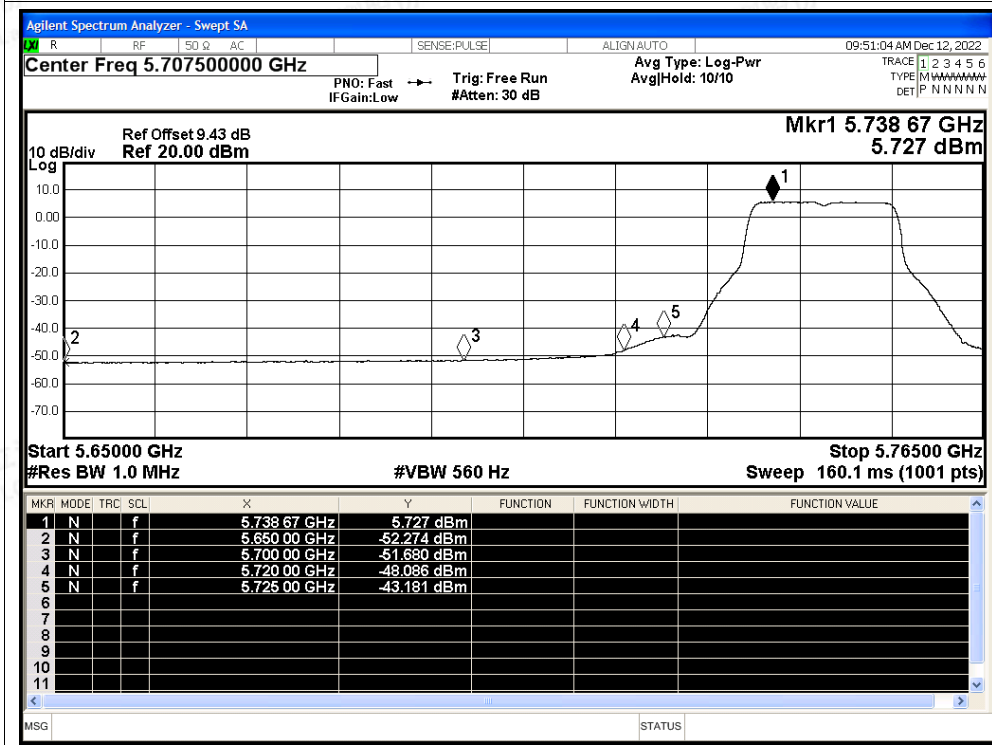




Restrict Band NVNT n20 5745MHz Peak

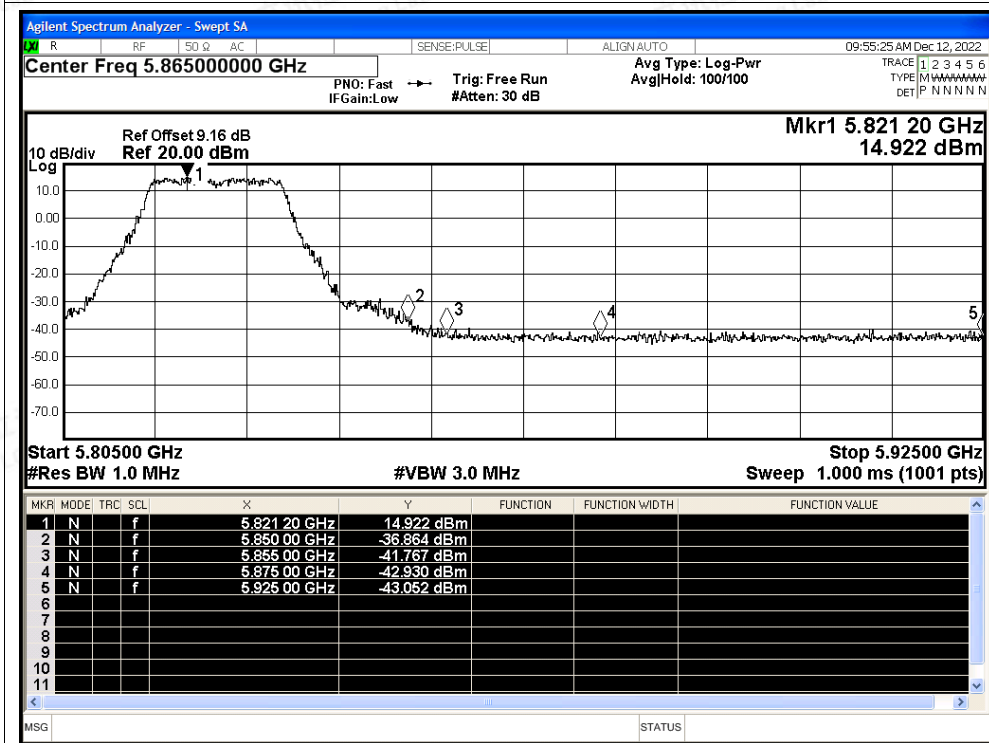


Restrict Band NVNT n20 5745MHz Average

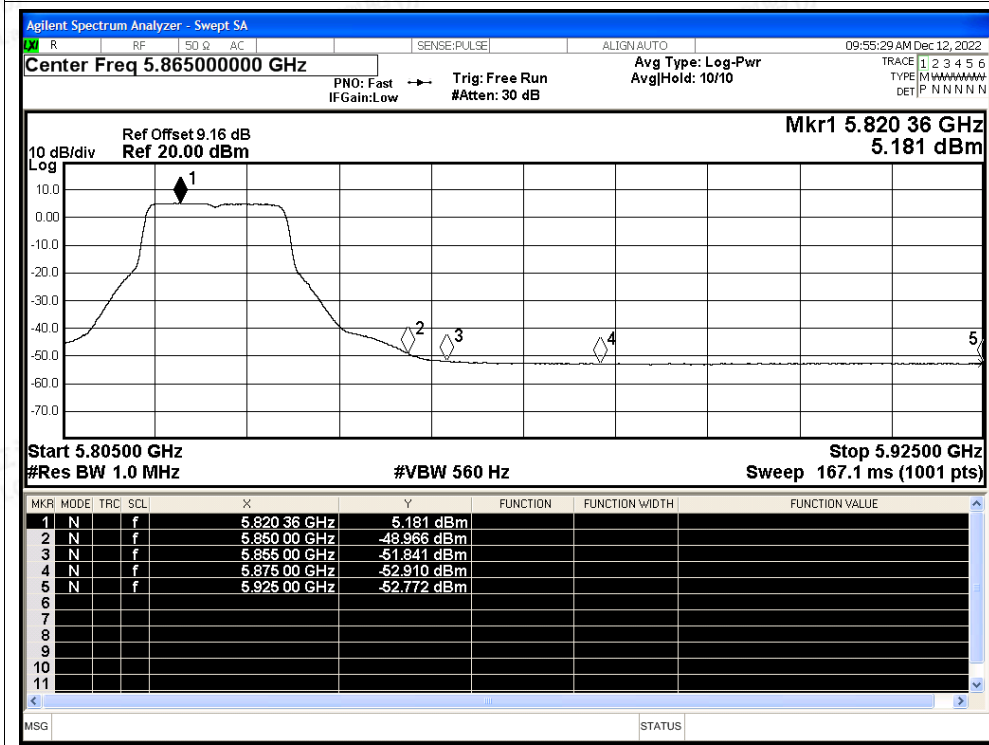




Restrict Band NVNT n20 5825MHz Peak

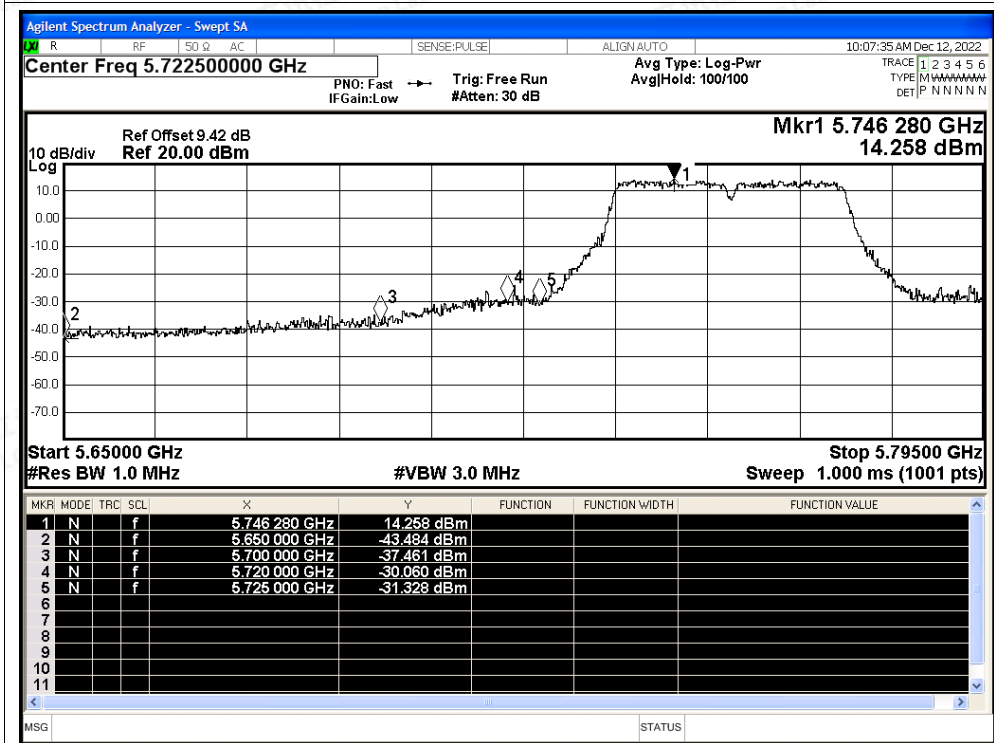


Restrict Band NVNT n20 5825MHz Average

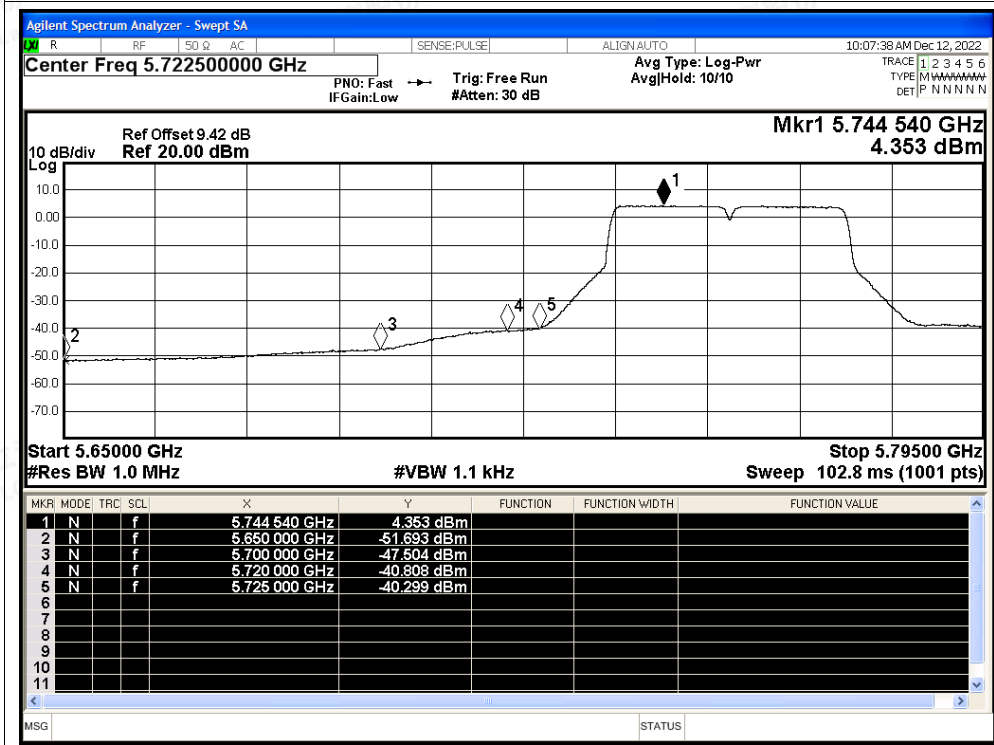




Restrict Band NVNT n40 5755MHz Peak

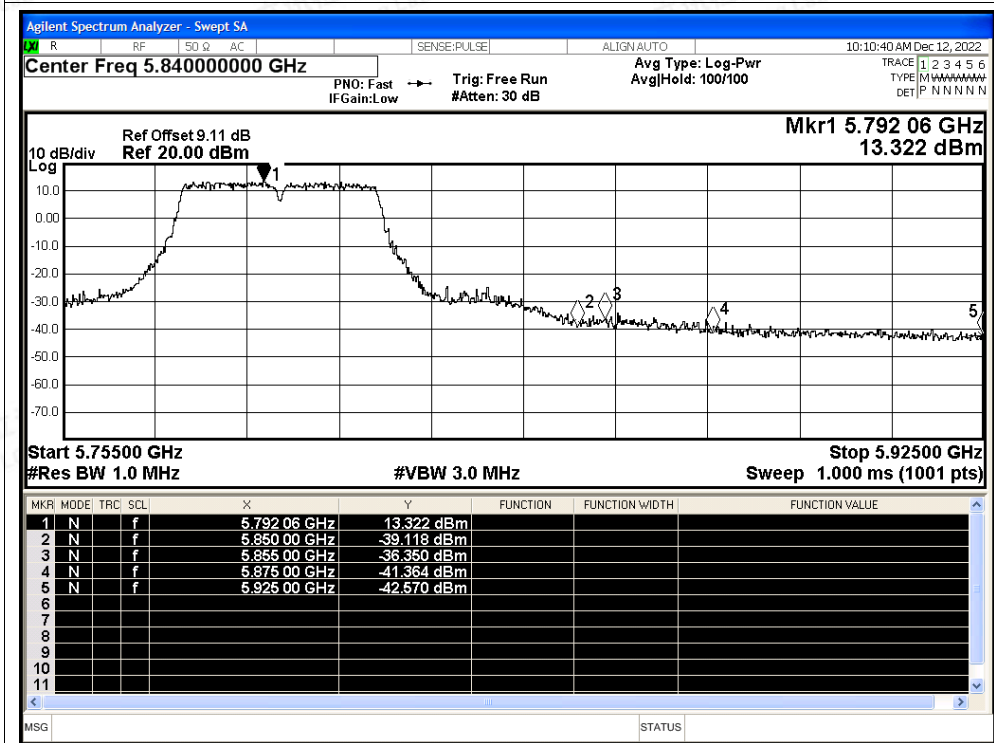


Restrict Band NVNT n40 5755MHz Average

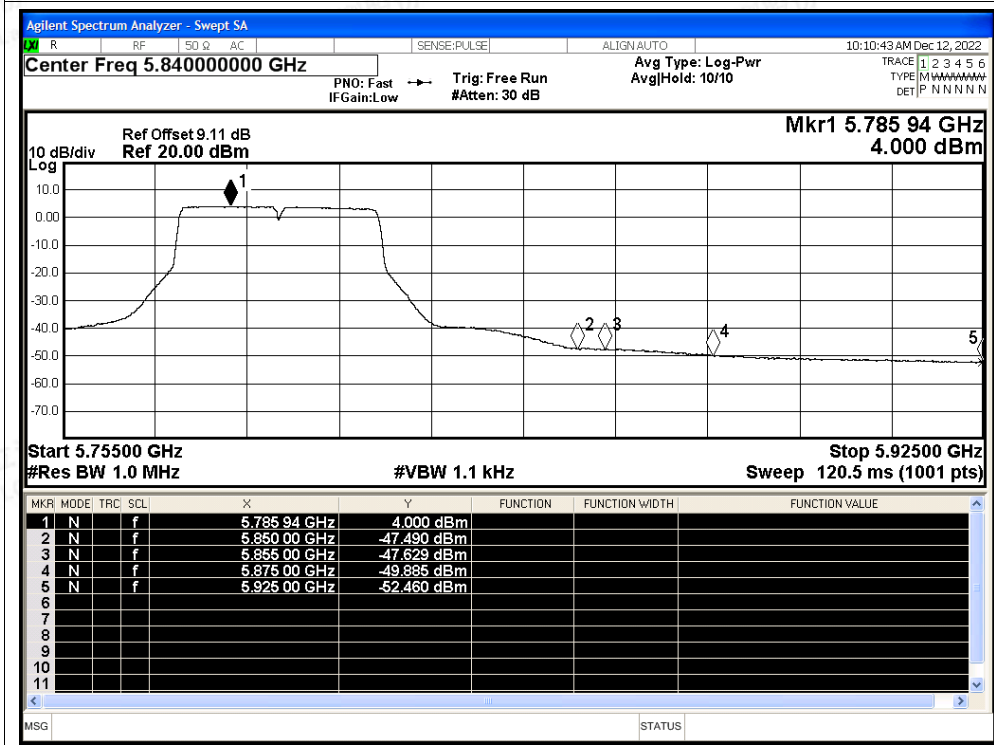




Restrict Band NVNT n40 5795MHz Peak

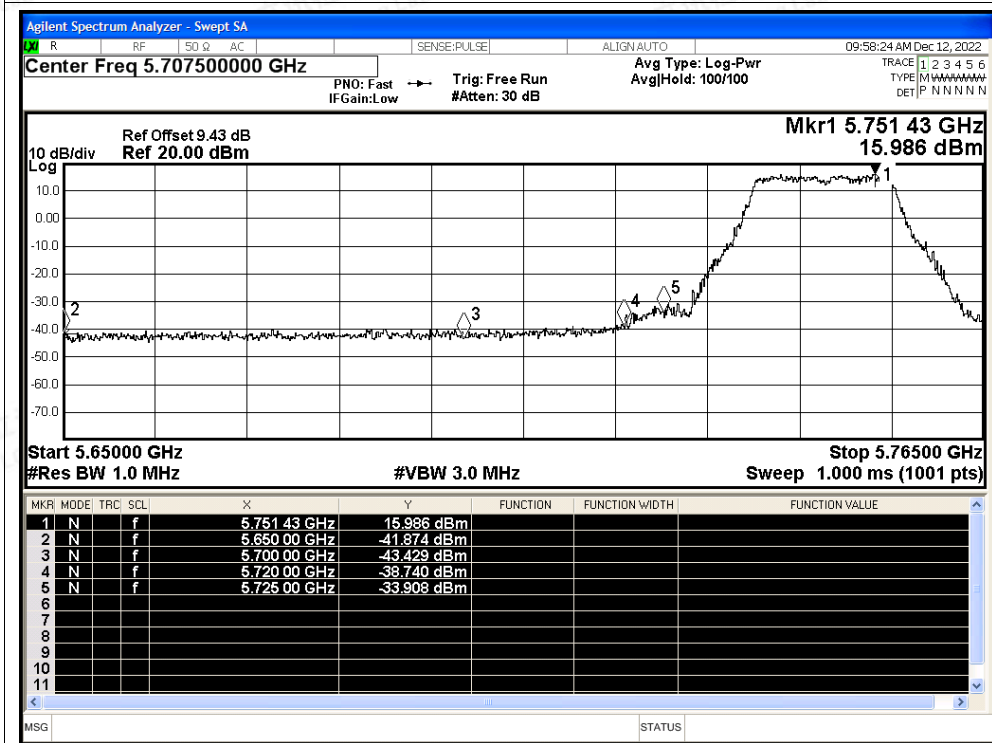


Restrict Band NVNT n40 5795MHz Average

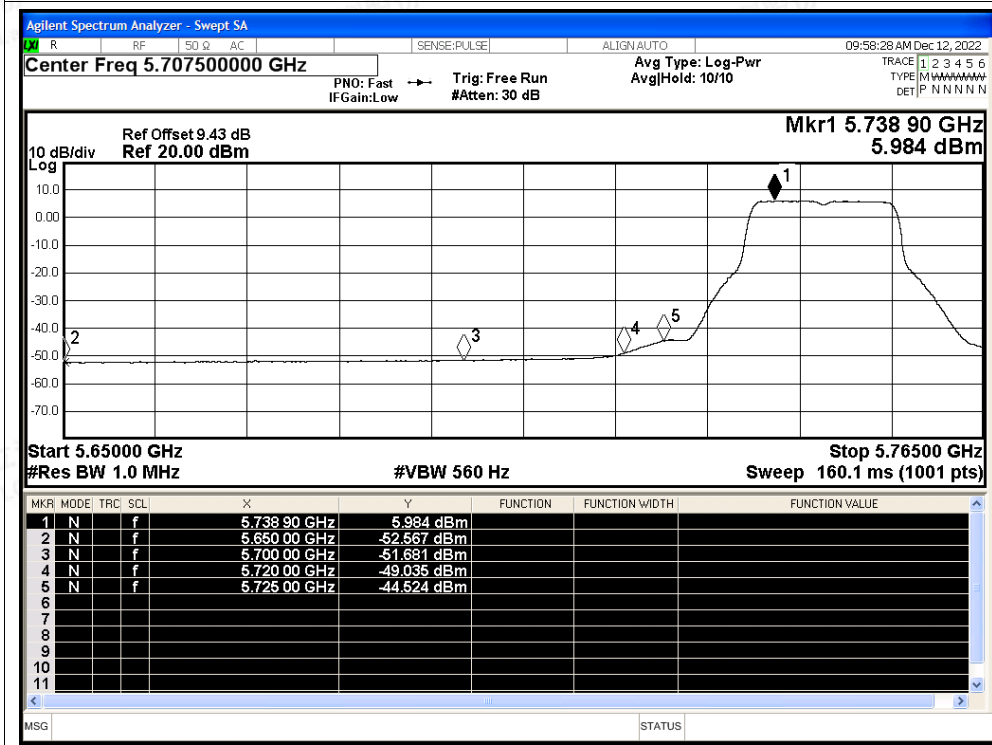




Restrict Band NVNT ac20 5745MHz Peak

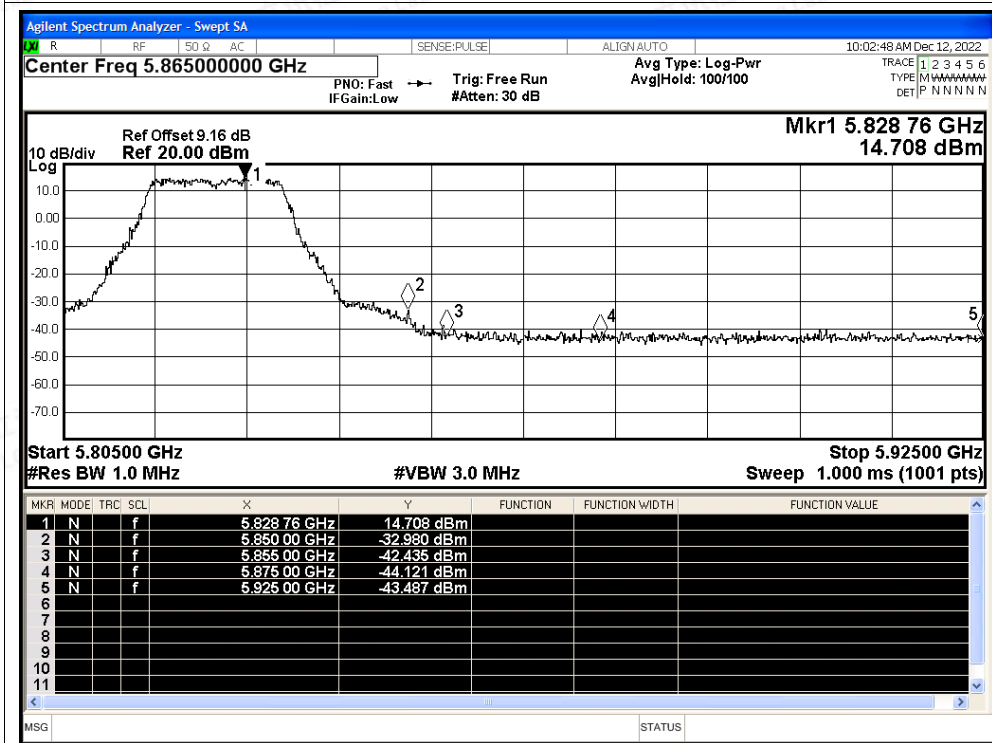


Restrict Band NVNT ac20 5745MHz Average

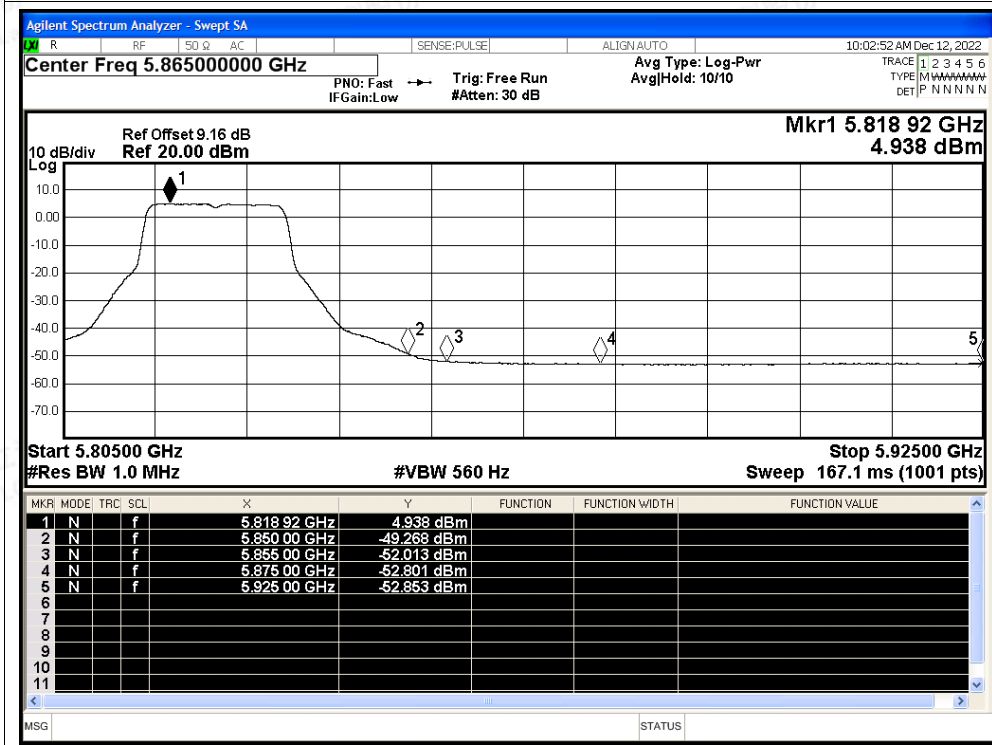




Restrict Band NVNT ac20 5825MHz Peak

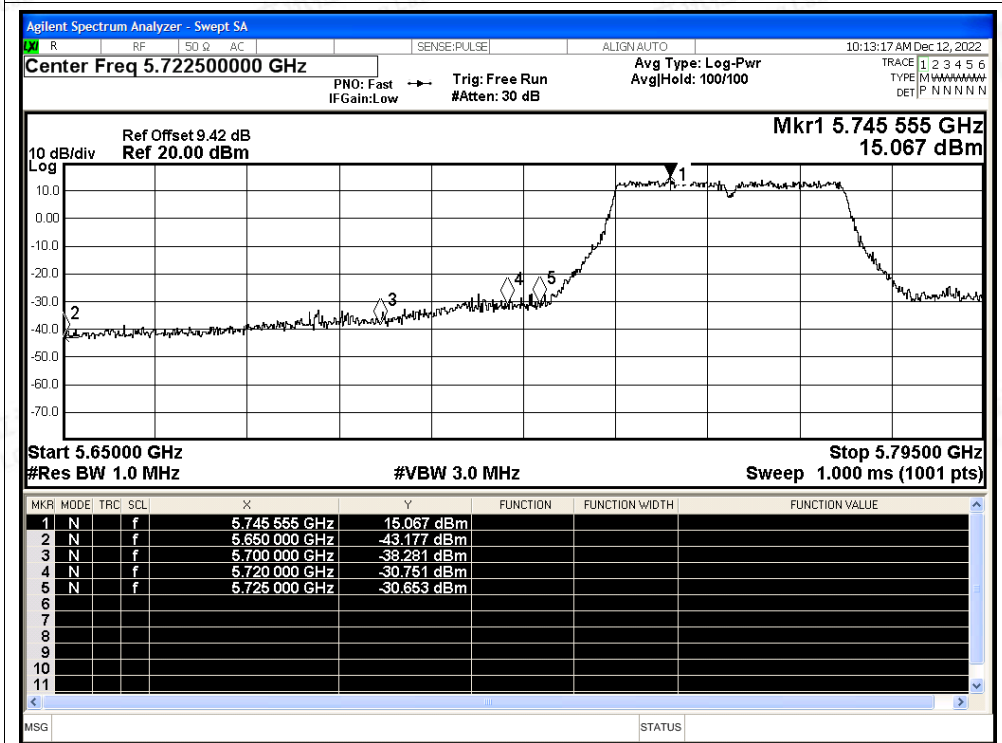


Restrict Band NVNT ac20 5825MHz Average

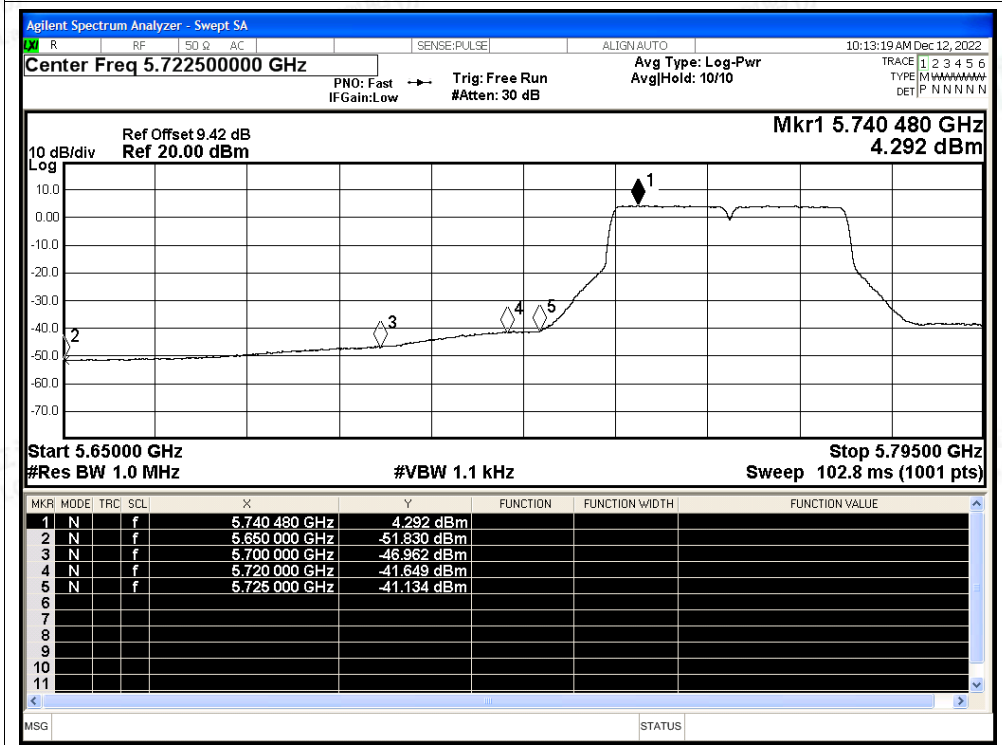




Restrict Band NVNT ac40 5755MHz Peak

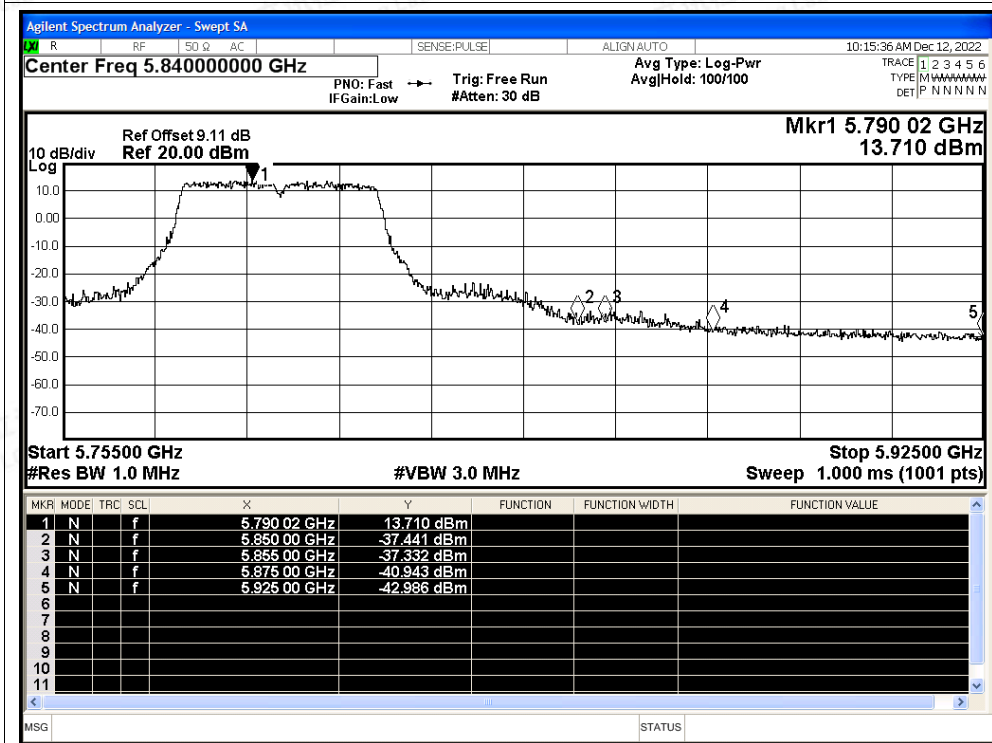


Restrict Band NVNT ac40 5755MHz Average

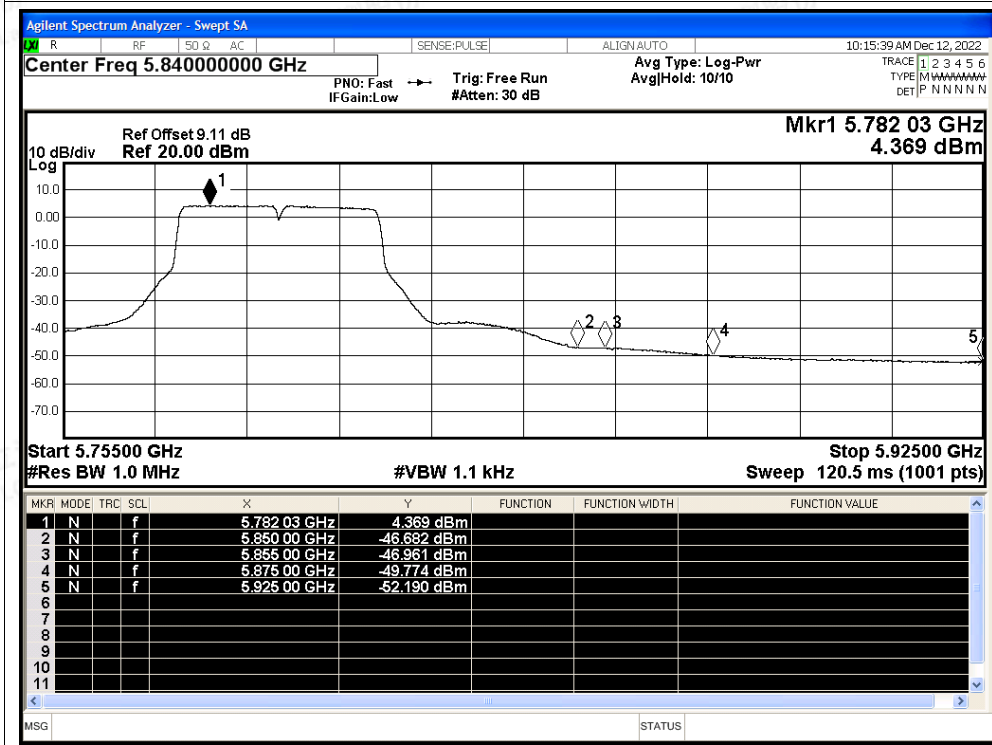




Restrict Band NVNT ac40 5795MHz Peak



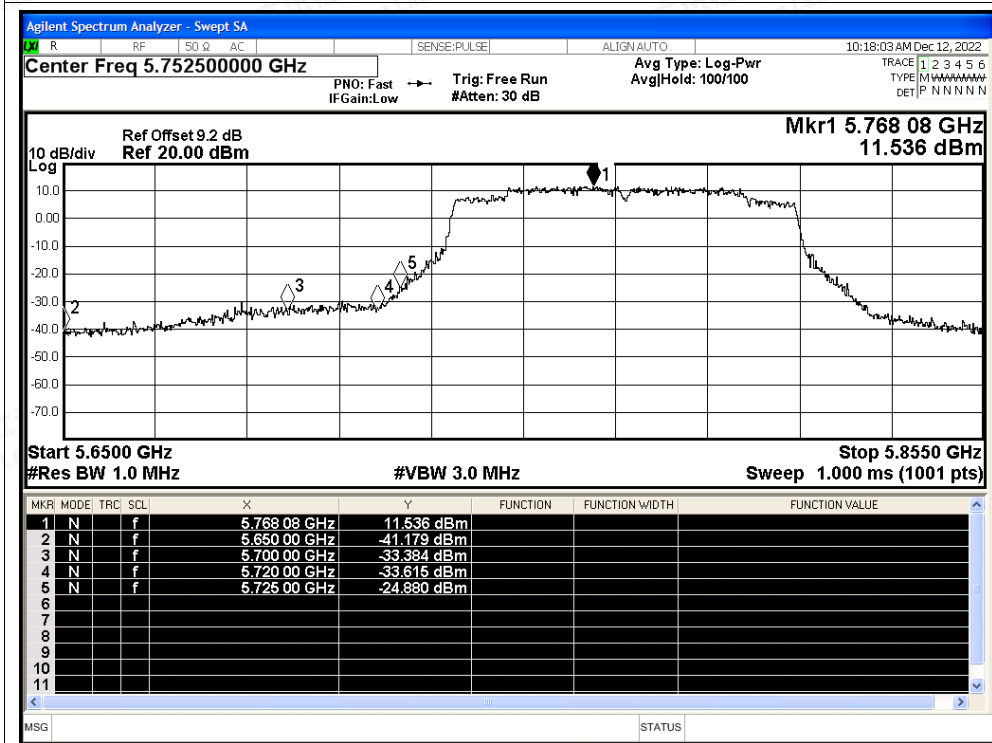
Restrict Band NVNT ac40 5795MHz Average



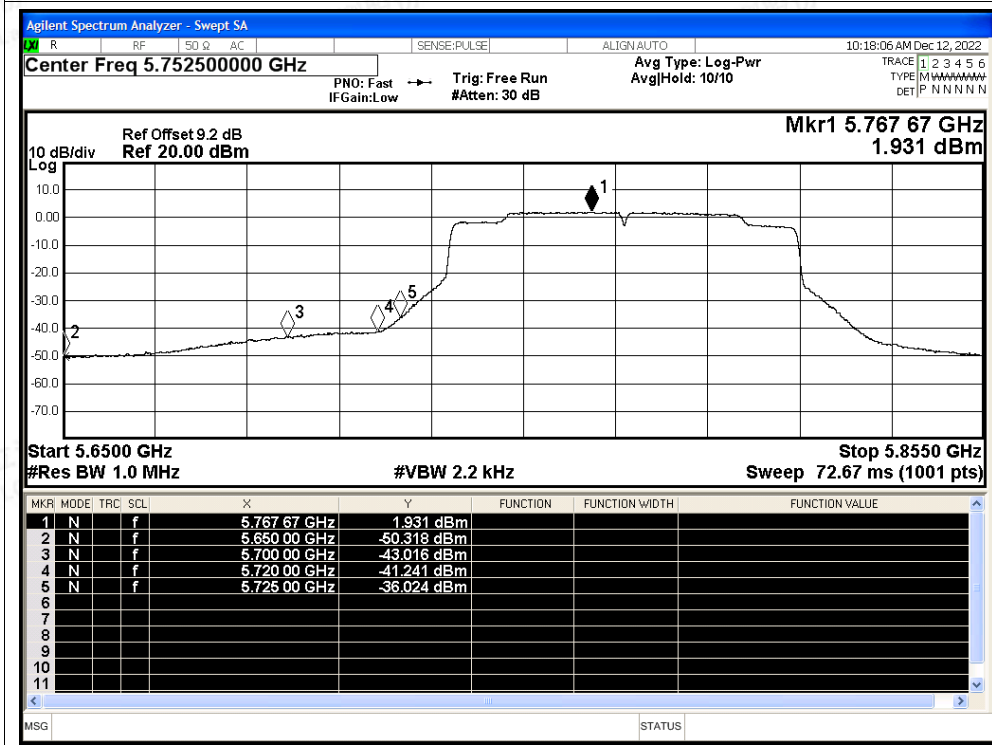




Restrict Band NVNT ac80 5775MHz Peak

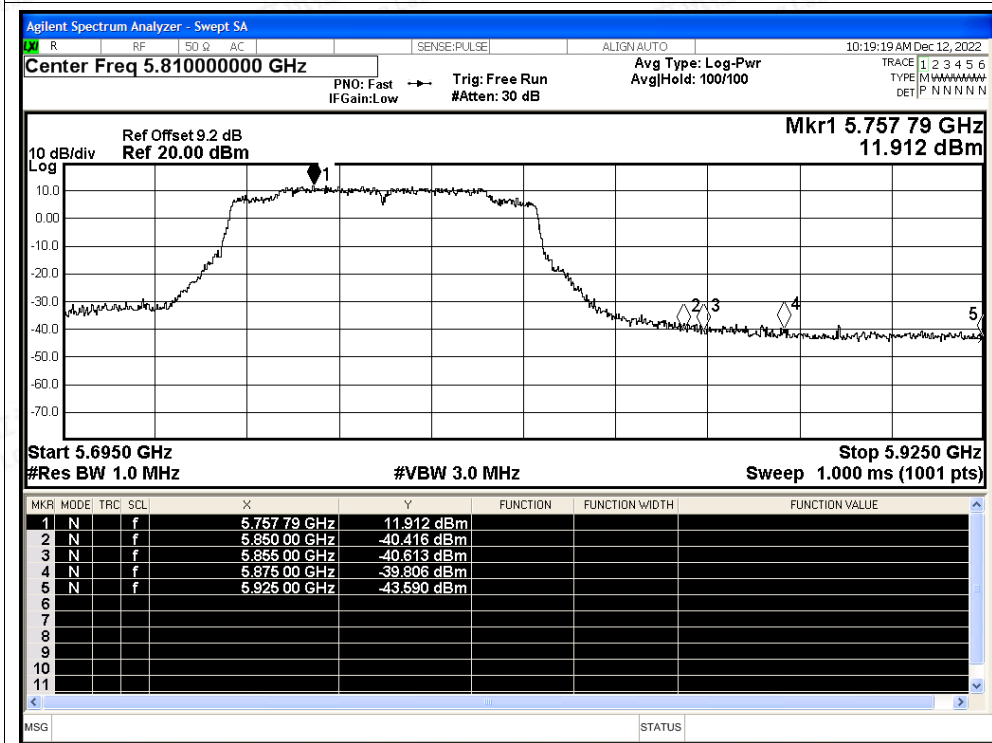


Restrict Band NVNT ac80 5775MHz Average

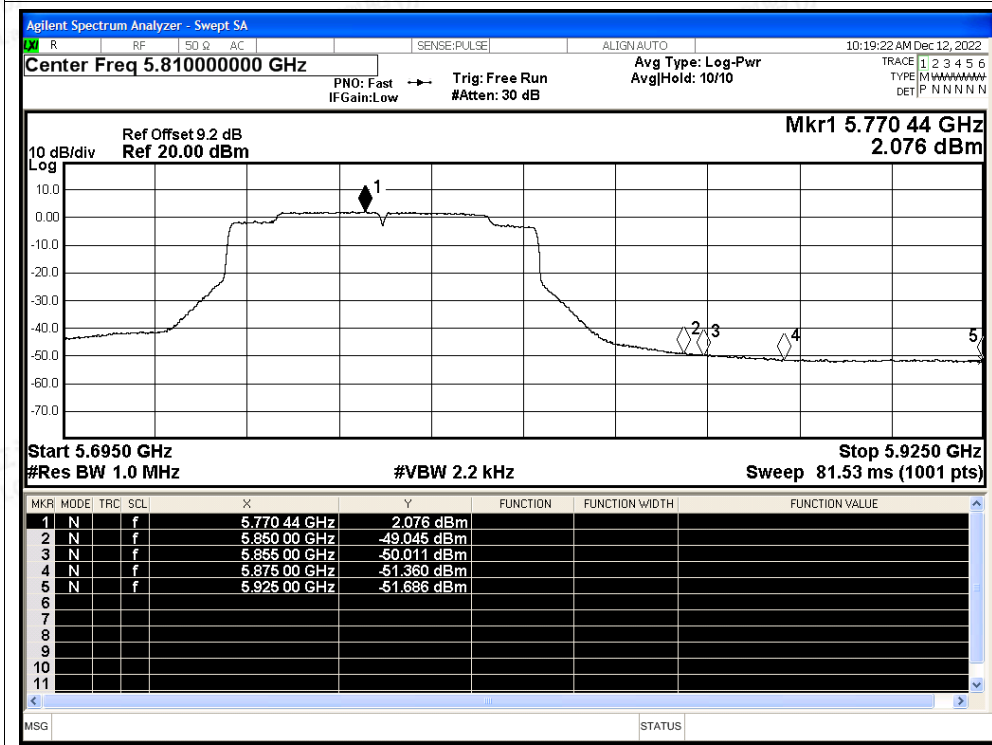




Restrict Band NVNT ac80 5775MHz Peak



Restrict Band NVNT ac80 5775MHz Average





### E.5 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	n40	5755	Ant0	5754.96	-40000	-6.95	25	Pass
NVNT	n40	5795	Ant0	5794.96	-40000	-6.9	25	Pass
NVNT	ac20	5745	Ant0	5744.96	-40000	-6.96	25	Pass
NVNT	ac20	5785	Ant0	5784.96	-40000	-6.91	25	Pass
NVNT	ac20	5825	Ant0	5824.98	-20000	-3.43	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	5774.92	-80000	-13.85	25	Pass

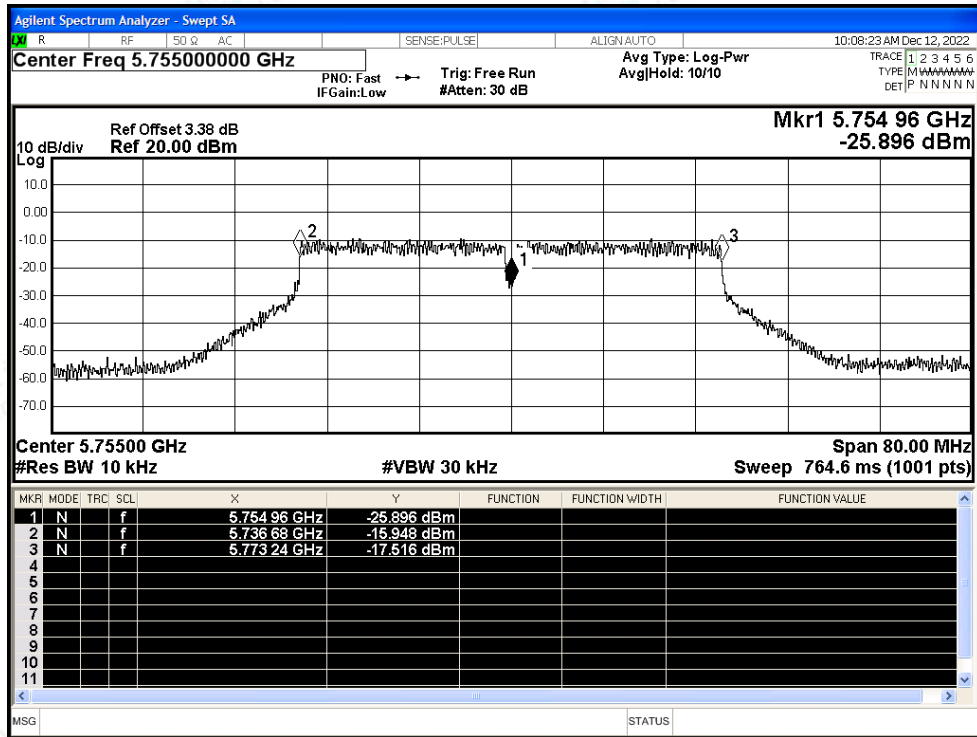


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Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

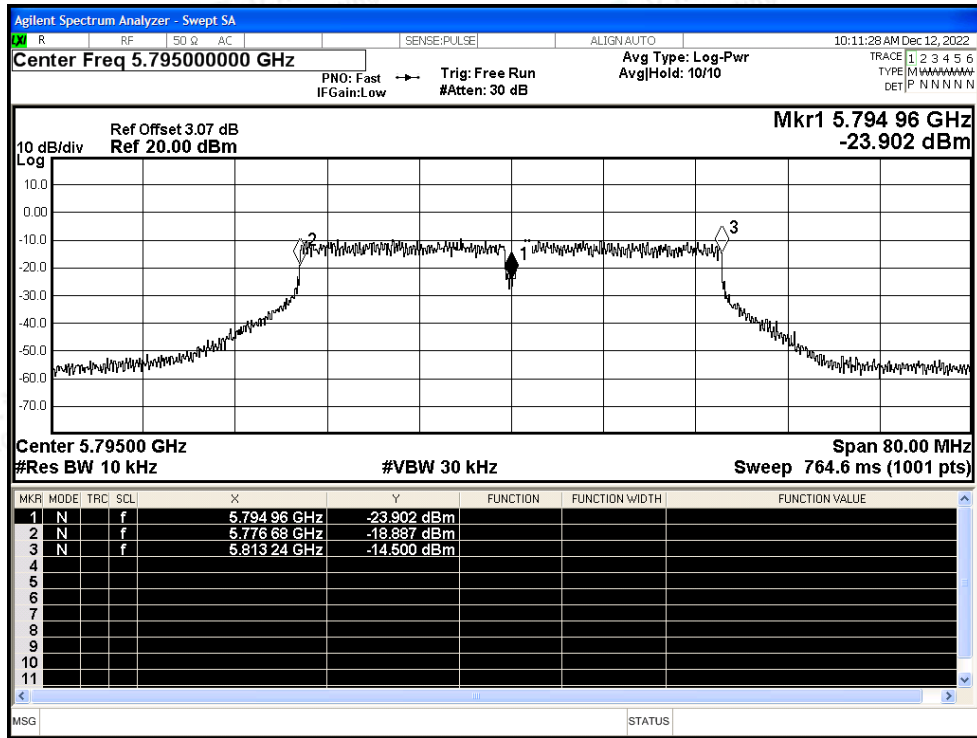


Test Graphs

Freq. Stability NVNT n40 5755MHz Ant0

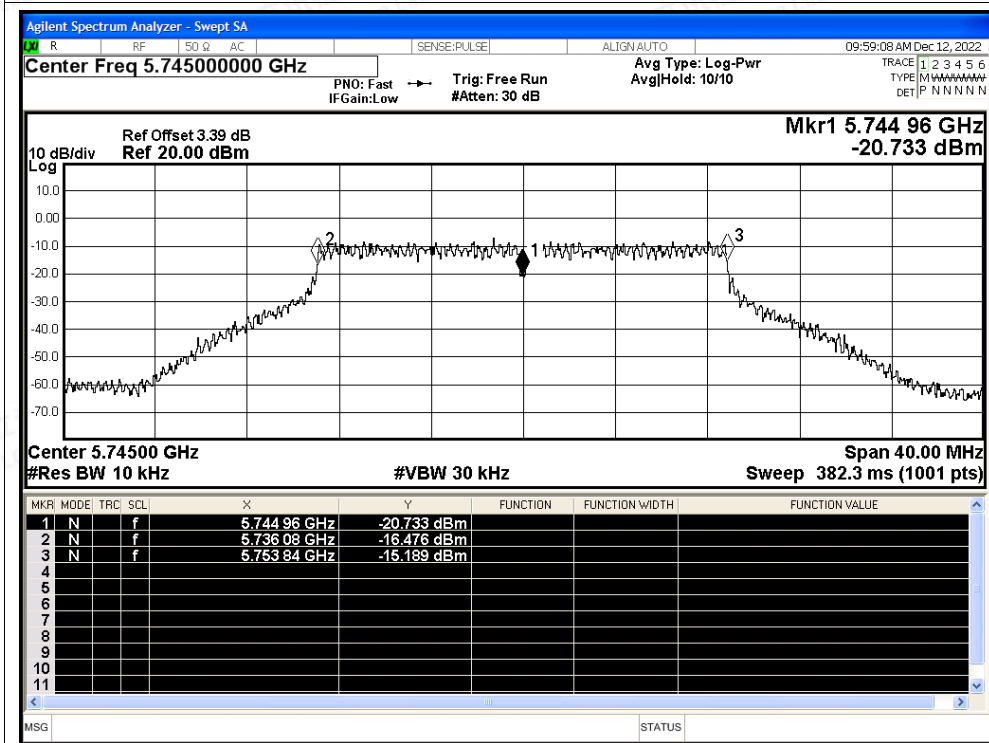


Freq. Stability NVNT n40 5795MHz Ant0

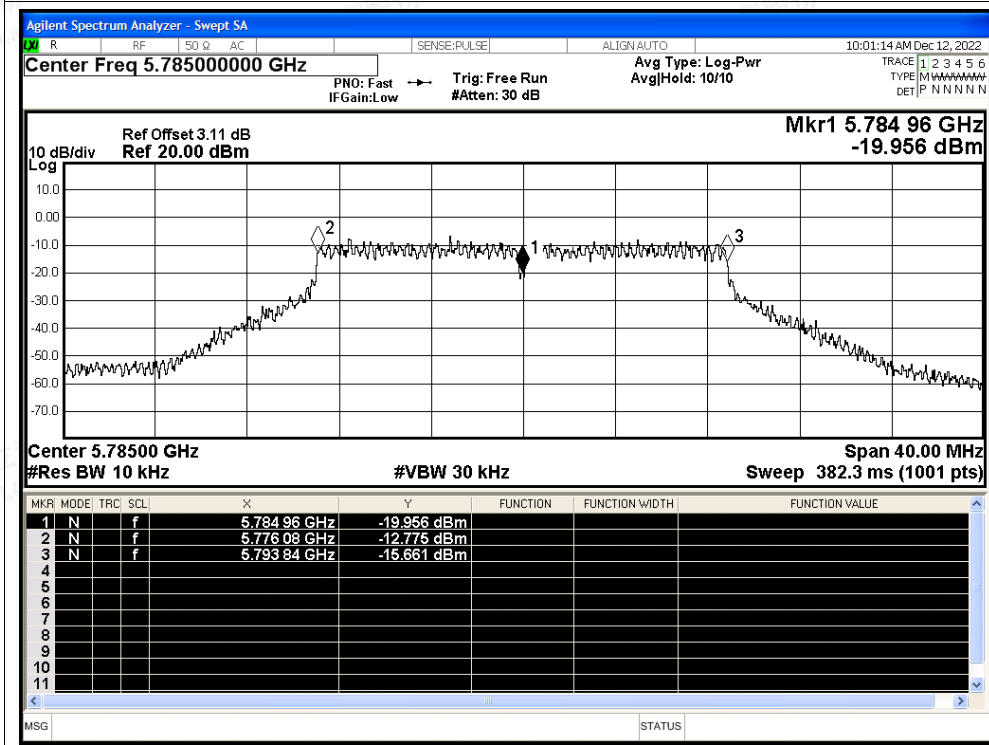




Freq. Stability NVNT ac20 5745MHz Ant0

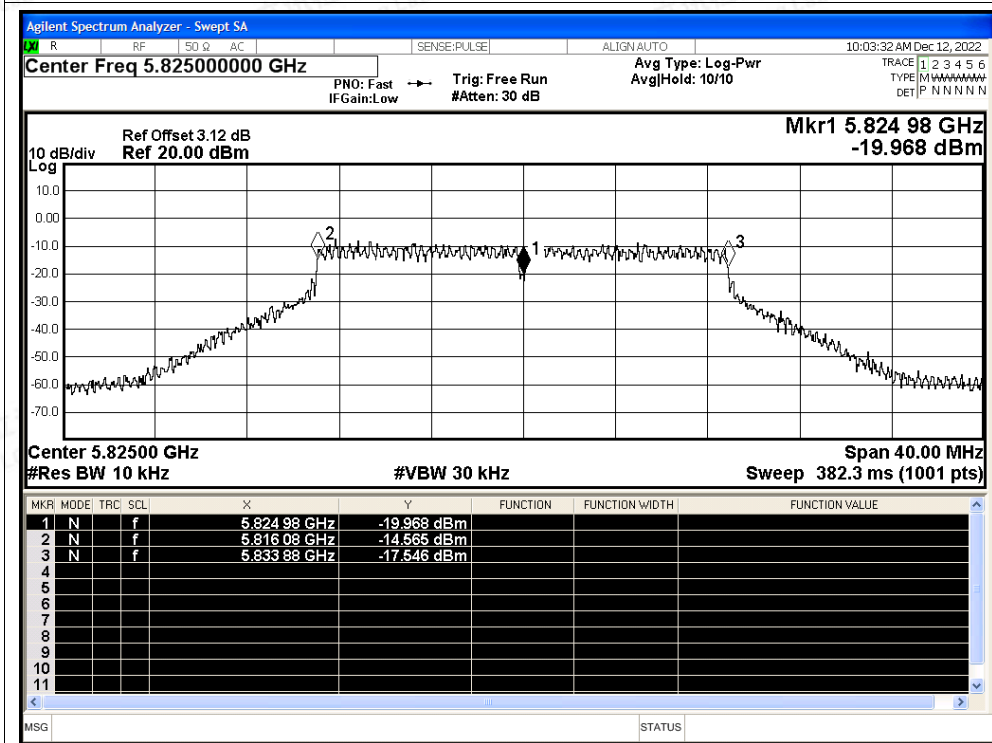


Freq. Stability NVNT ac20 5785MHz Ant0

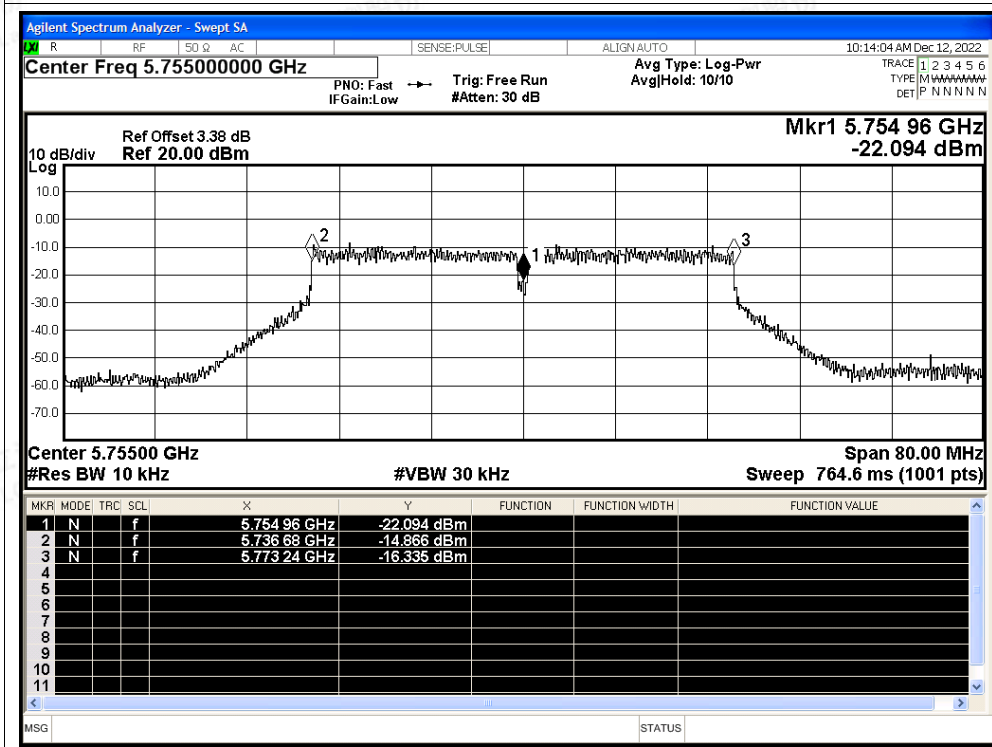




Freq. Stability NVNT ac20 5825MHz Ant0

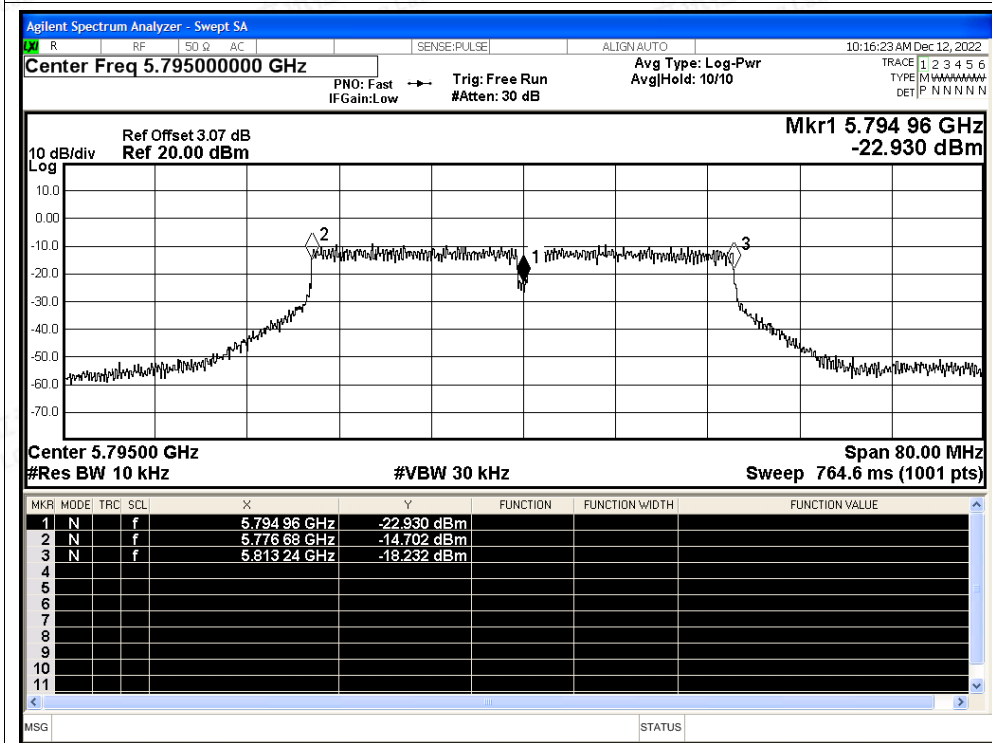


Freq. Stability NVNT ac40 5755MHz Ant0

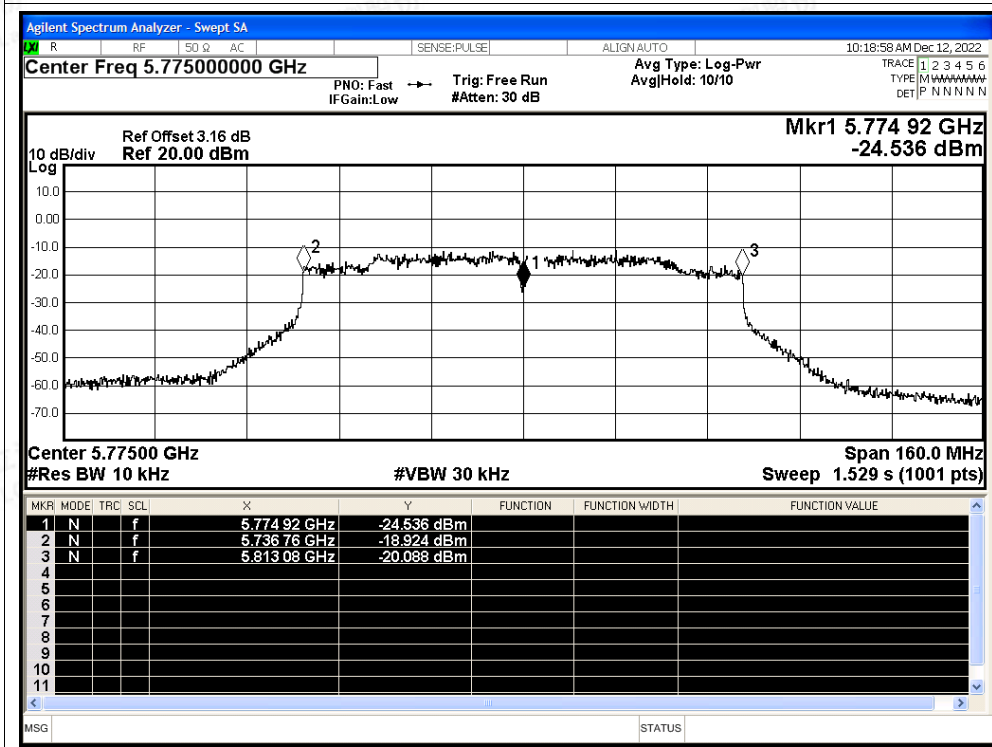




Freq. Stability NVNT ac40 5795MHz Ant0



Freq. Stability NVNT ac80 5775MHz Ant0





Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
NVNT	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
NVNT	ac20	5745	Ant1	5744.94	-60000	-10.44	25	Pass
NVNT	ac20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
NVNT	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
NVNT	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
NVNT	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
NVNT	ac80	5775	Ant1	5774.92	-80000	-13.85	25	Pass



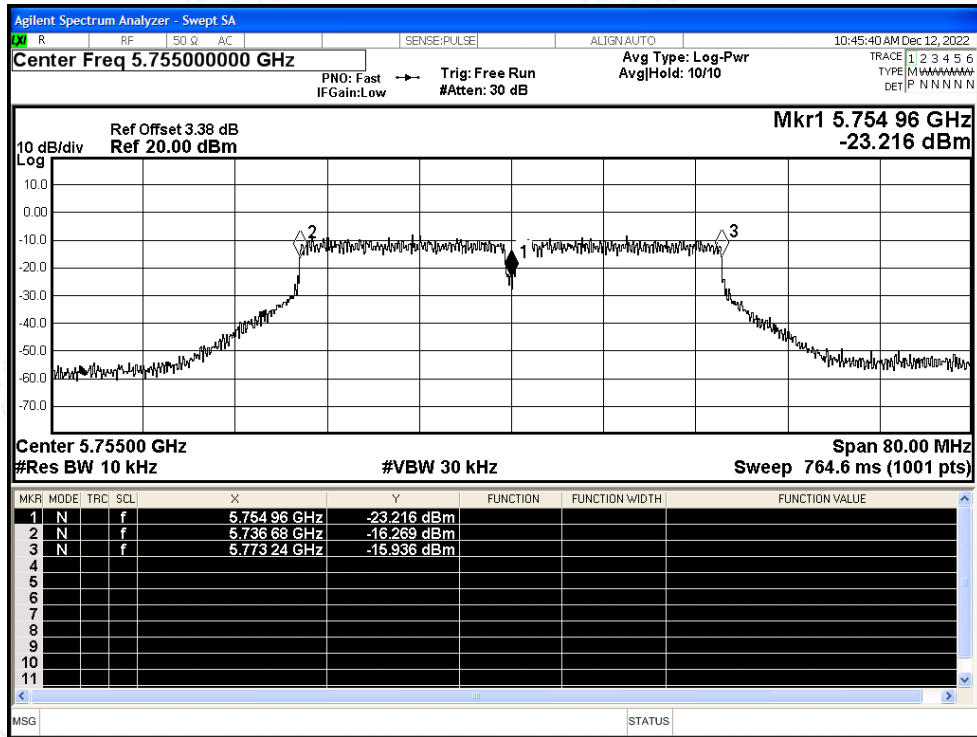
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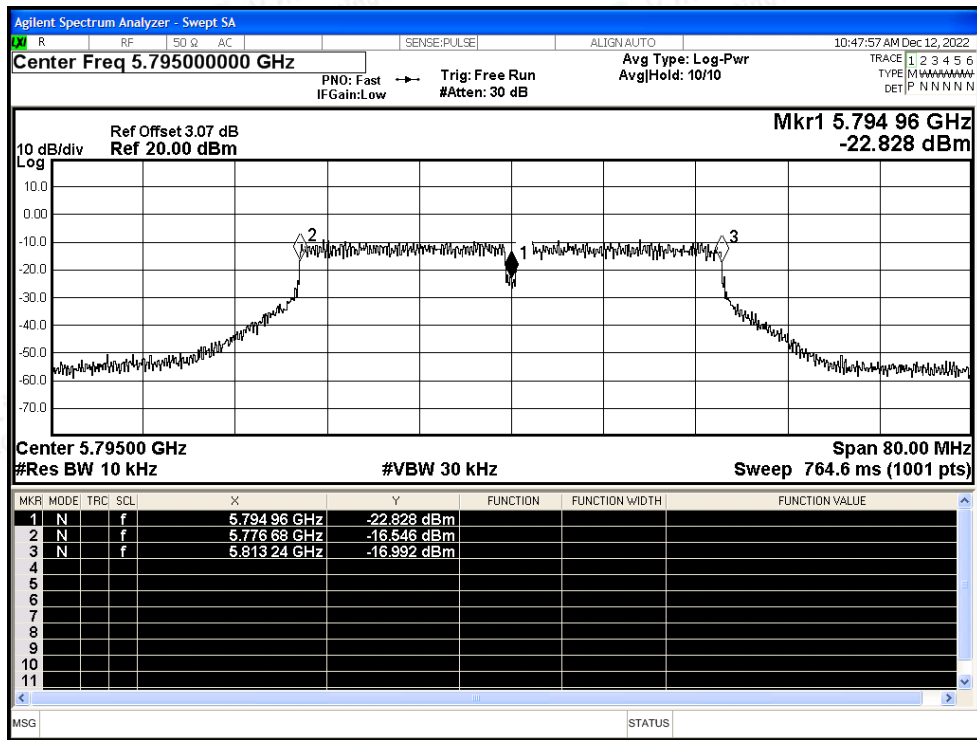


Test Graphs

Freq. Stability NVNT n40 5755MHz Ant1

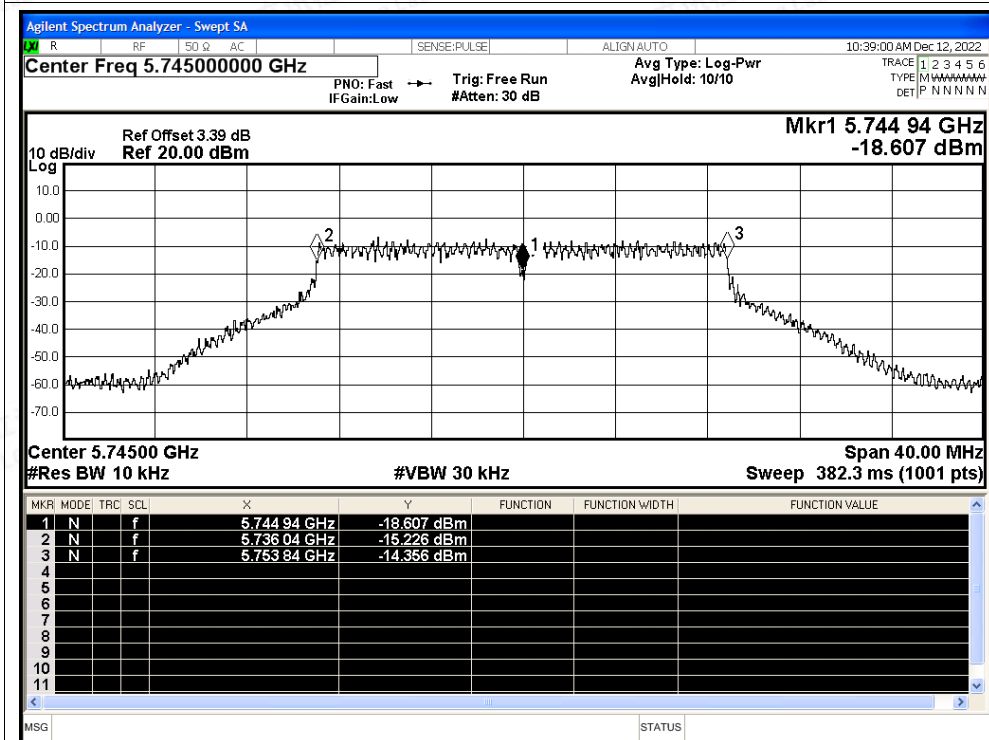


Freq. Stability NVNT n40 5795MHz Ant1

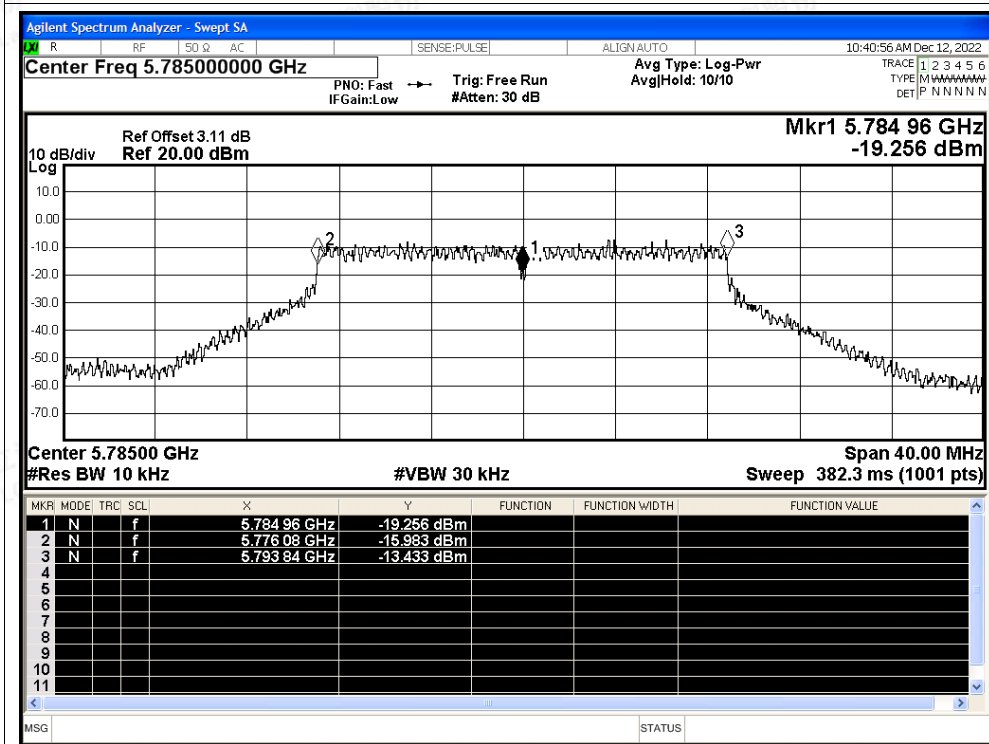




Freq. Stability NVNT ac20 5745MHz Ant1

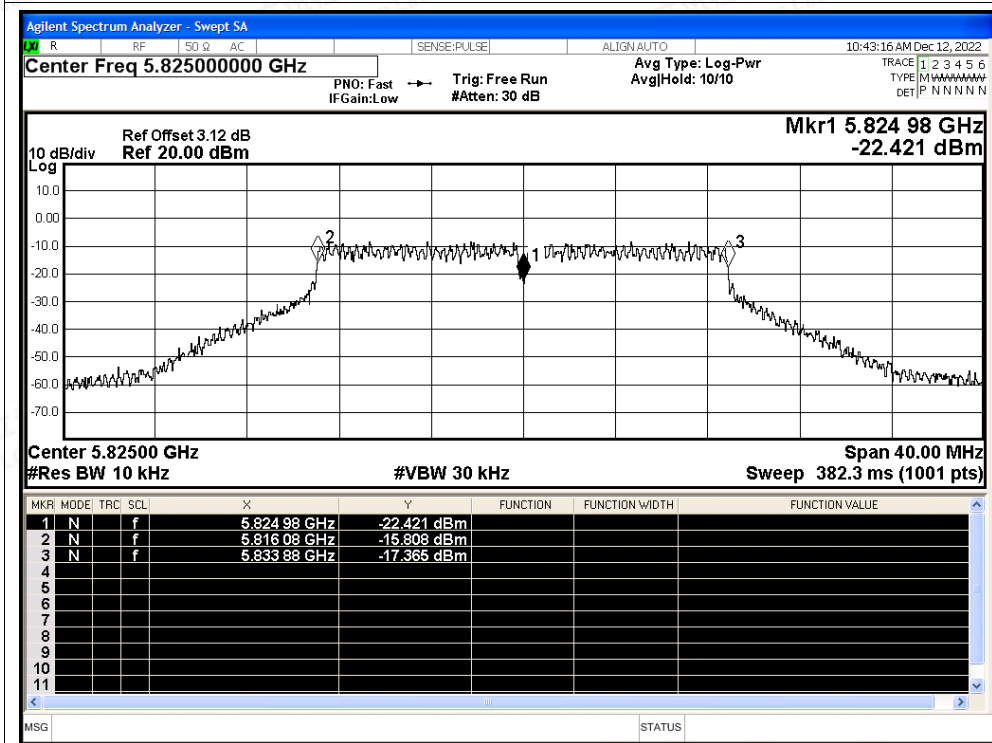


Freq. Stability NVNT ac20 5785MHz Ant1

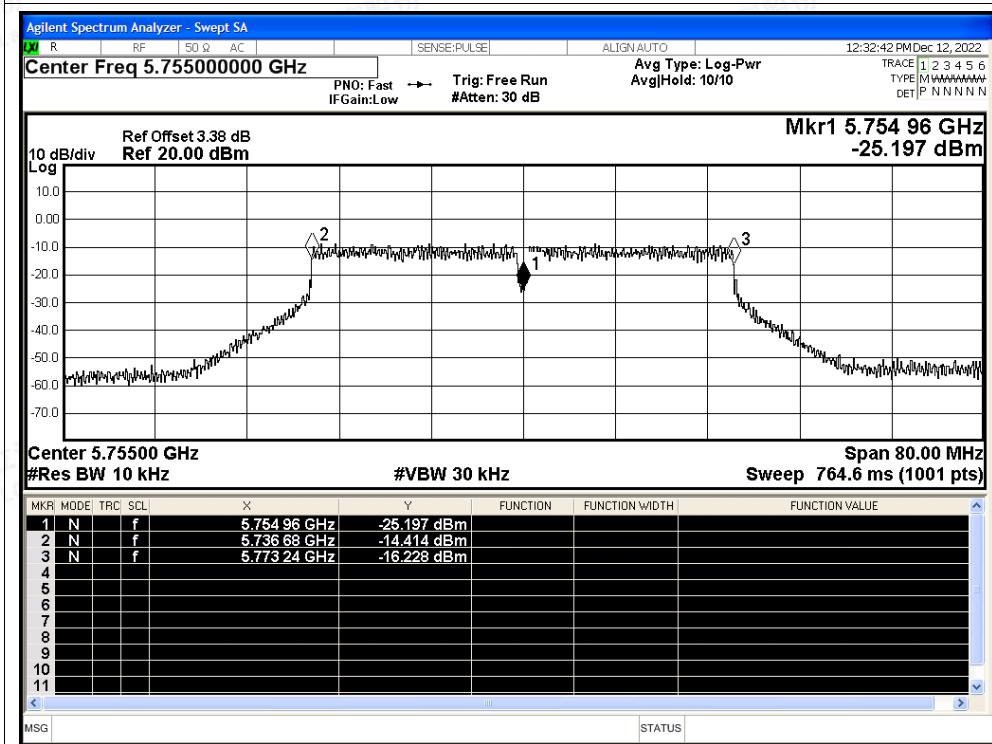




Freq. Stability NVNT ac20 5825MHz Ant1

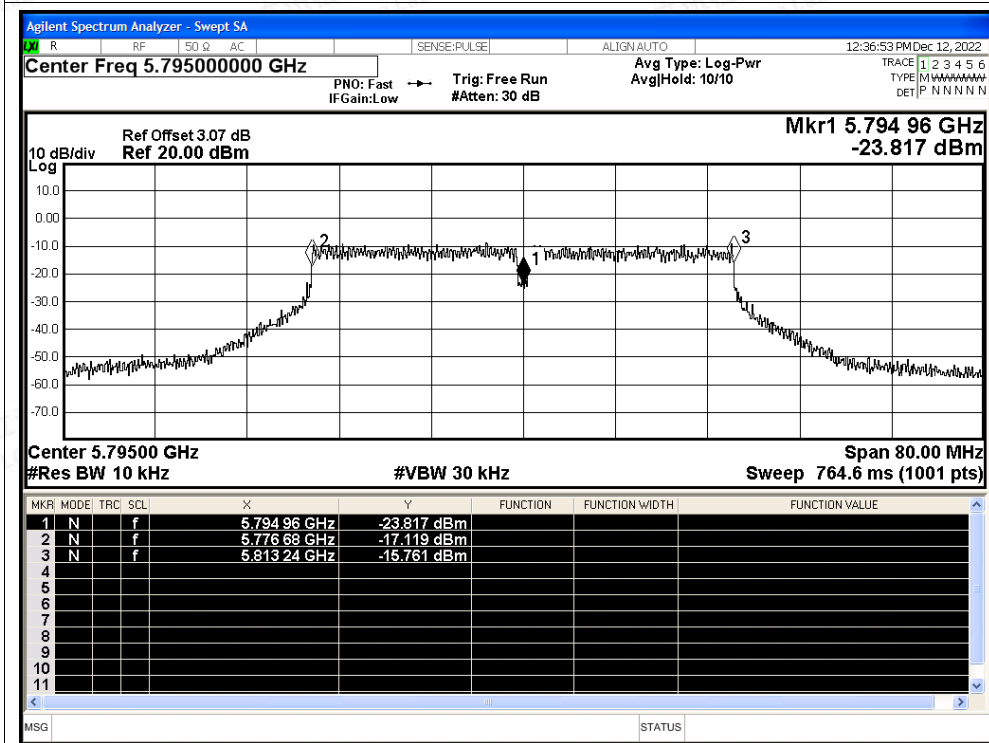


Freq. Stability NVNT ac40 5755MHz Ant1

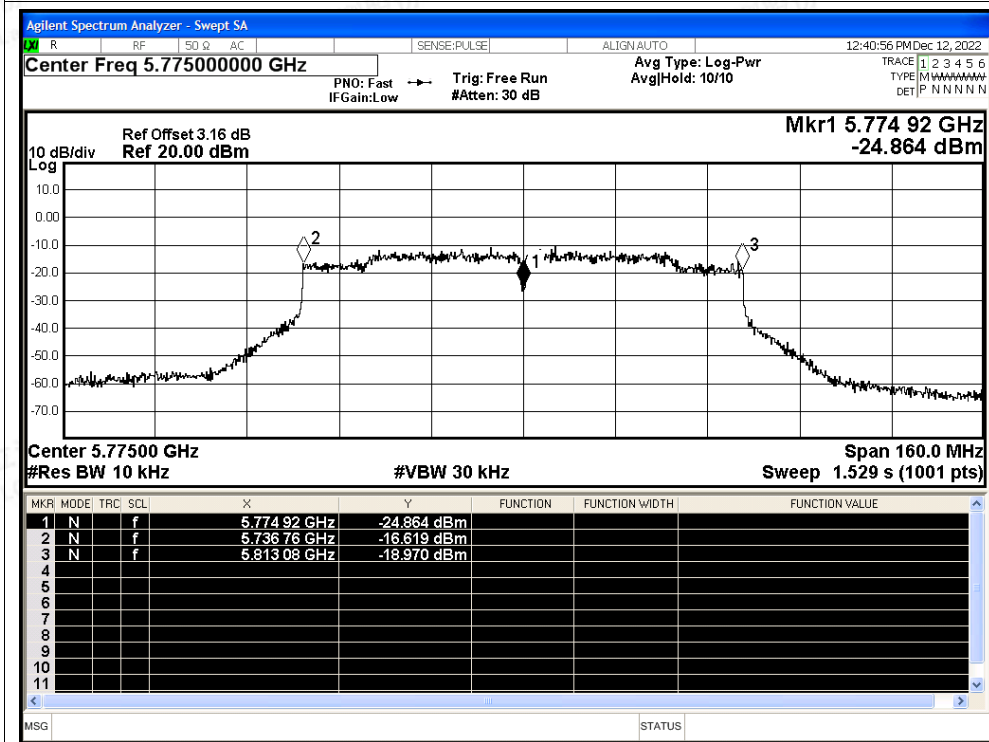




Freq. Stability NVNT ac40 5795MHz Ant1



Freq. Stability NVNT ac80 5775MHz Ant1





## E.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant0	97.89	0.09	0.48
NVNT	a	5785	Ant0	97.89	0.09	0.48
NVNT	a	5825	Ant0	97.84	0.09	0.48
NVNT	n20	5745	Ant0	98.87	0	0.01
NVNT	n20	5785	Ant0	98.84	0	0.01
NVNT	n20	5825	Ant0	98.87	0	0.01
NVNT	n40	5755	Ant0	98.86	0	0.01
NVNT	n40	5795	Ant0	98.86	0	0.01
NVNT	ac20	5745	Ant0	98.84	0	0.01
NVNT	ac20	5785	Ant0	98.84	0	0.01
NVNT	ac20	5825	Ant0	98.86	0	0.01
NVNT	ac40	5755	Ant0	98.86	0	0.01
NVNT	ac40	5795	Ant0	98.83	0	0.01
NVNT	ac80	5775	Ant0	98.86	0	0.01

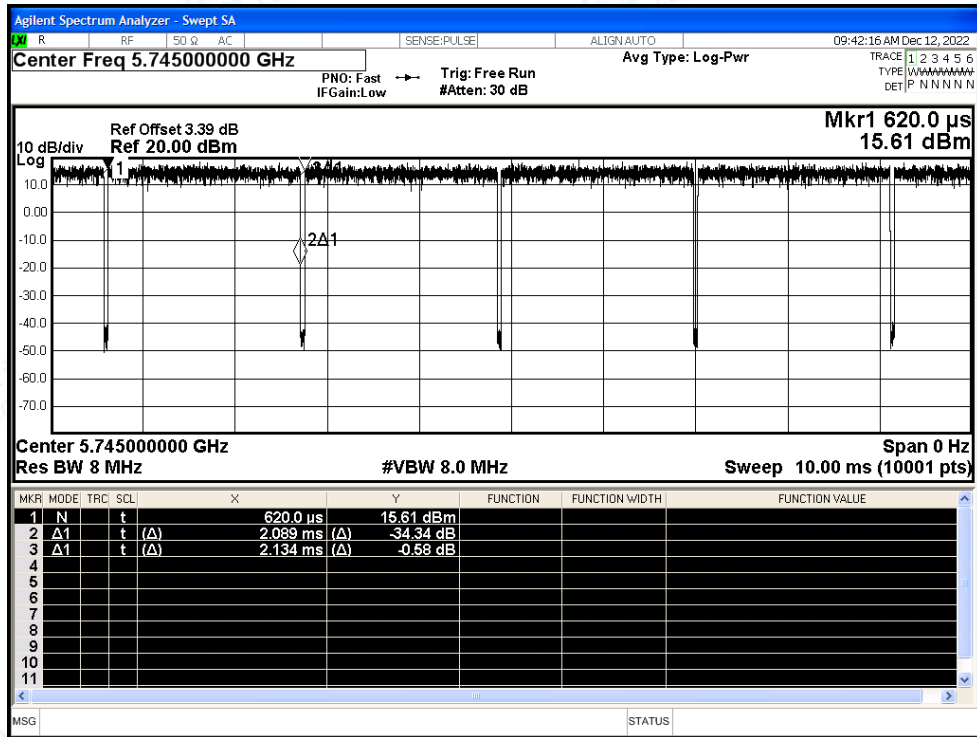


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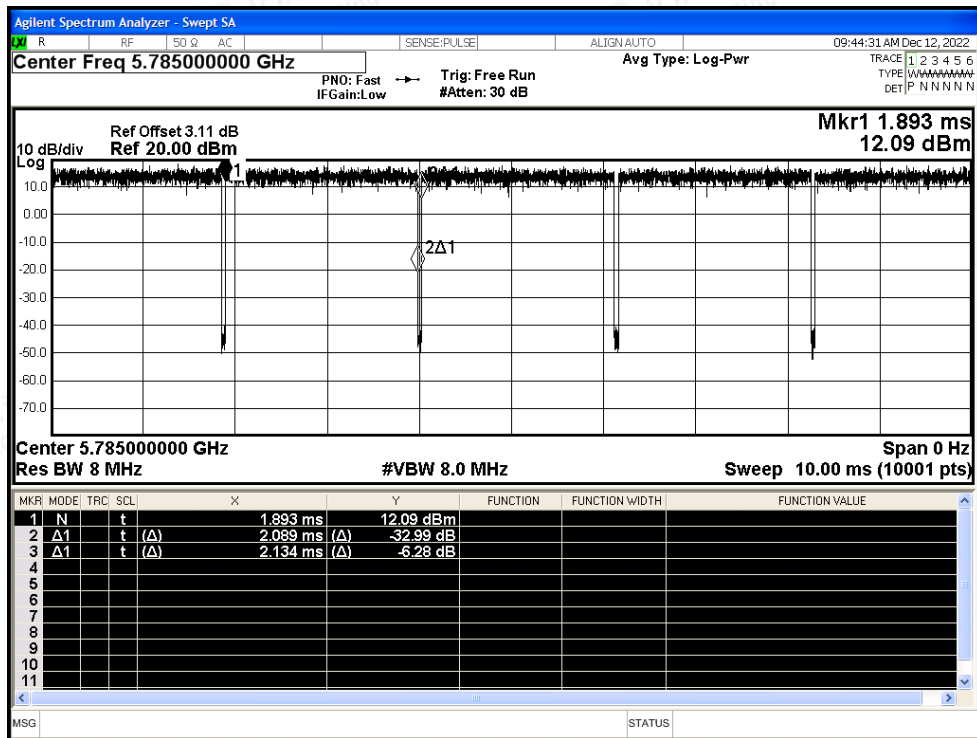


Test Graphs

Duty Cycle NVNT a 5745MHz Ant0

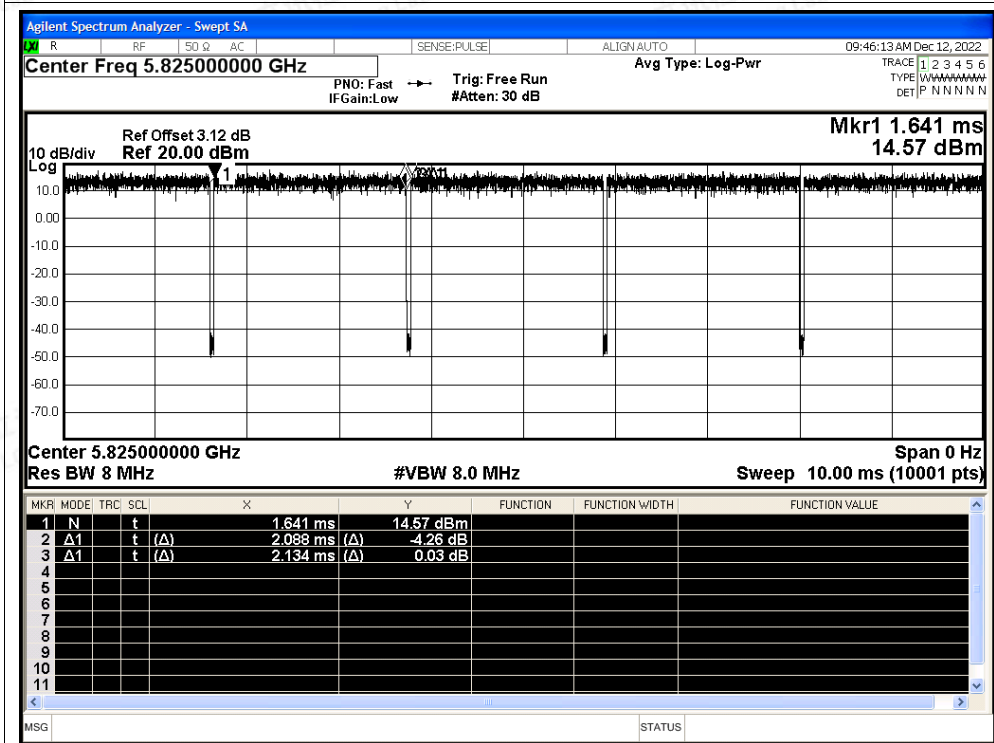


Duty Cycle NVNT a 5785MHz Ant0

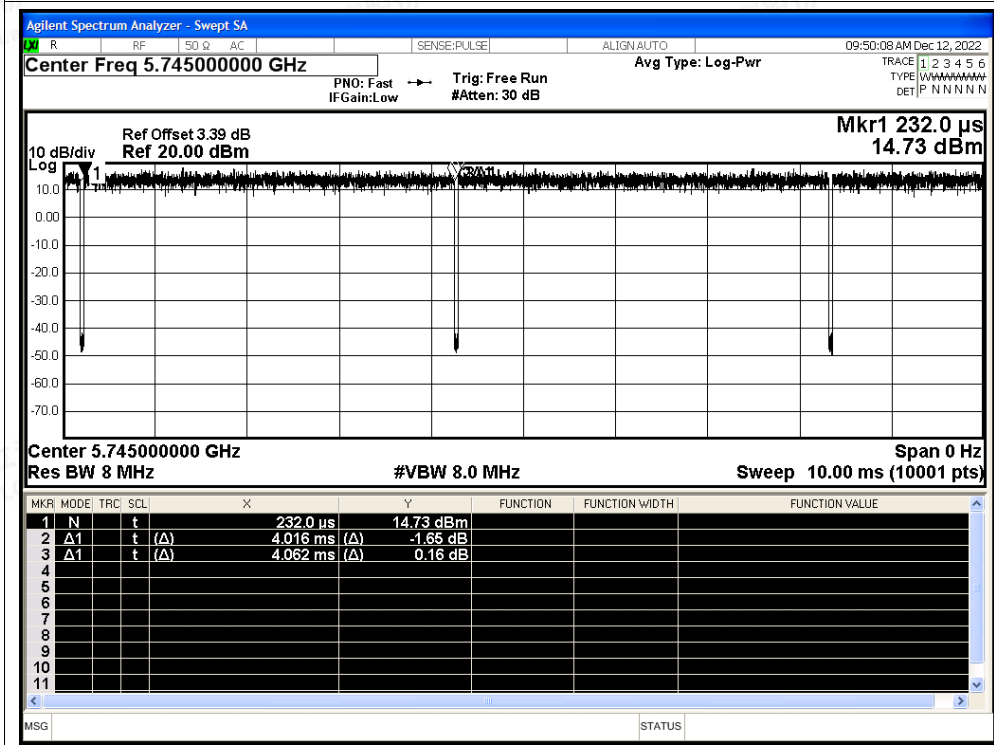


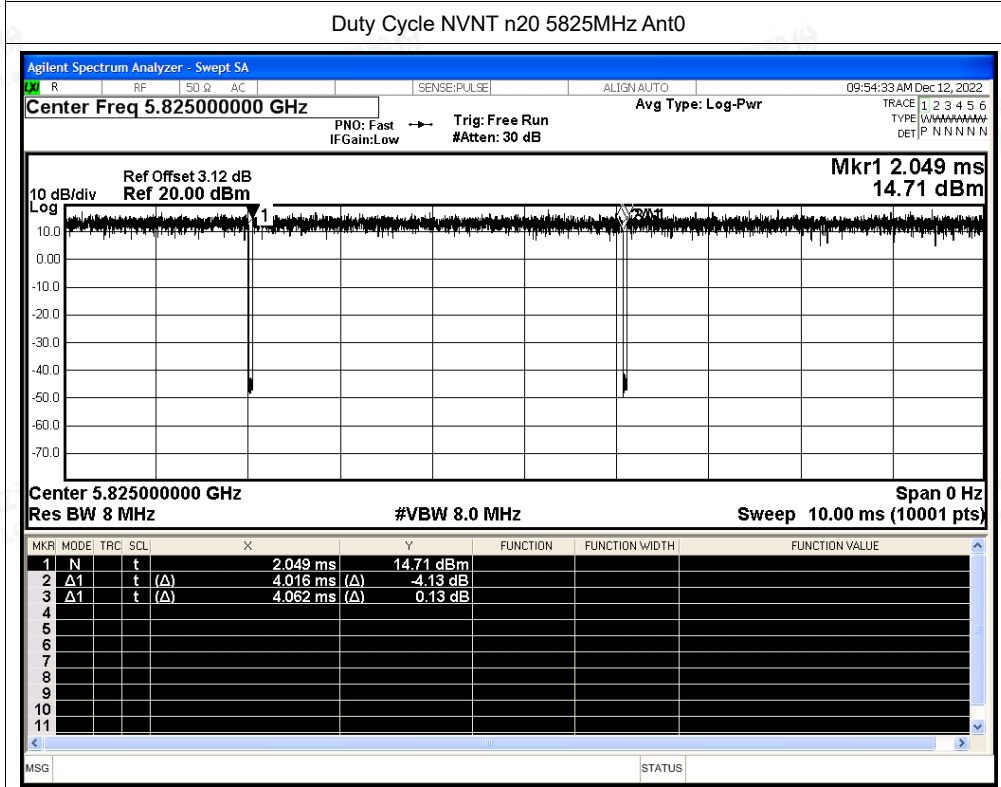
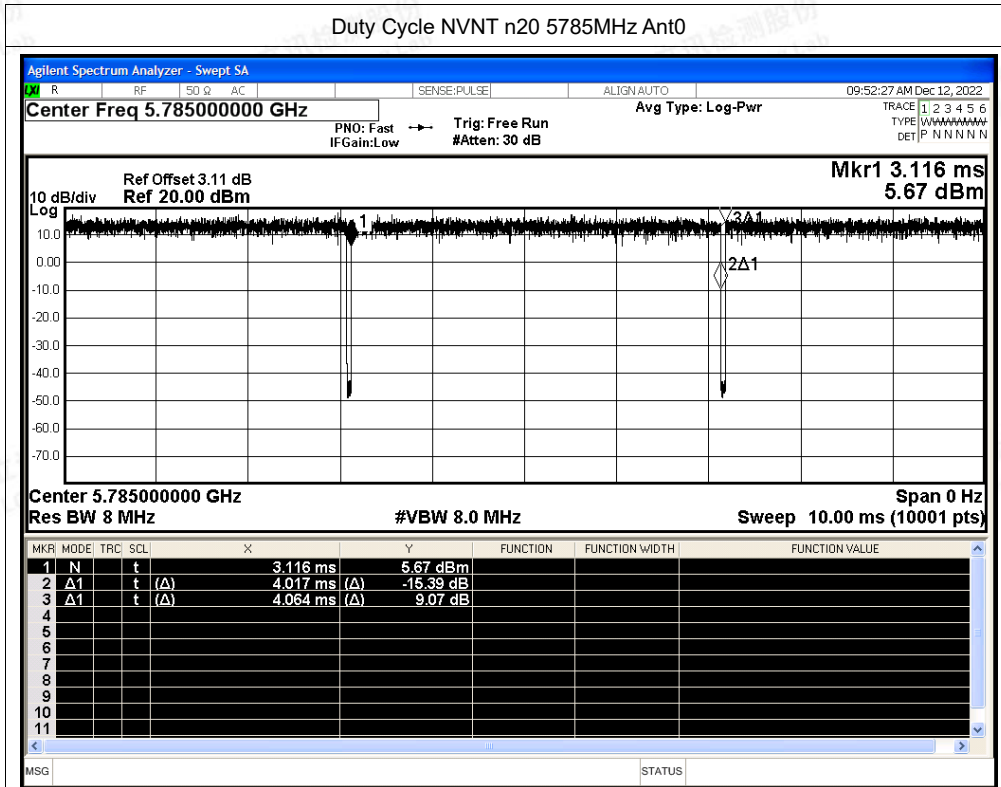


Duty Cycle NVNT a 5825MHz Ant0



Duty Cycle NVNT n20 5745MHz Ant0

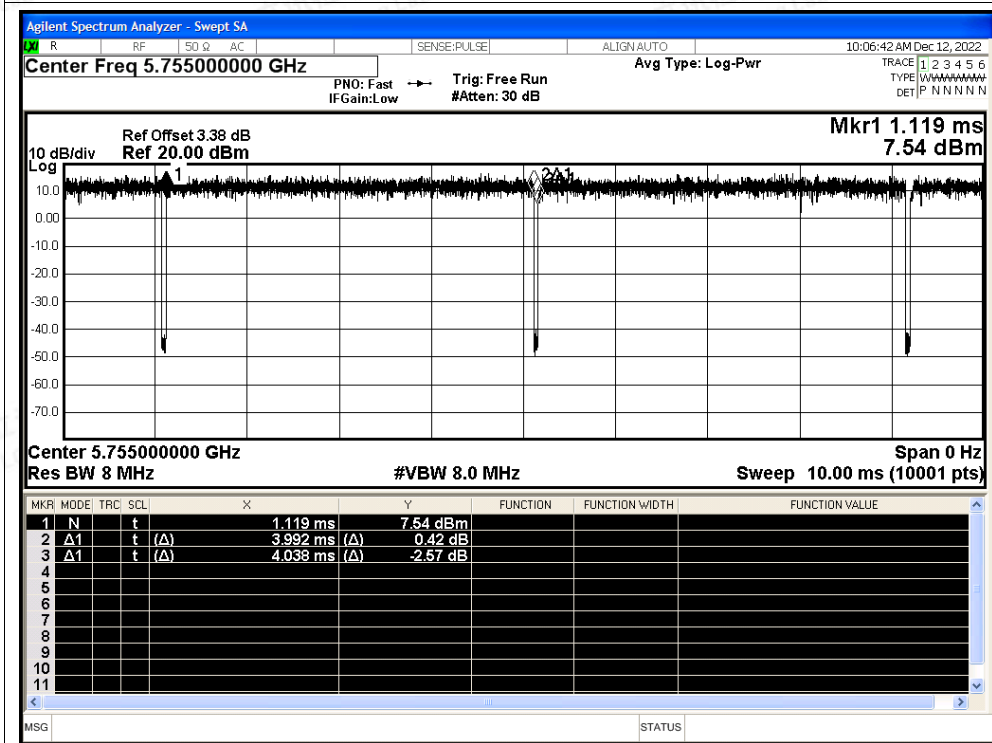




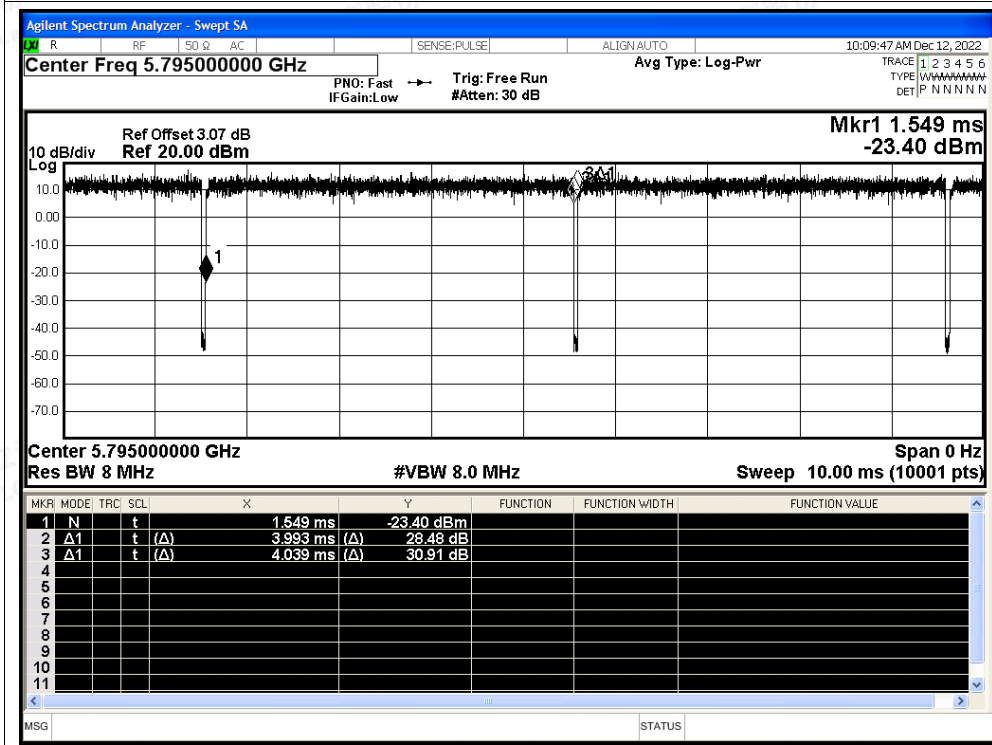




Duty Cycle NVNT n40 5755MHz Ant0

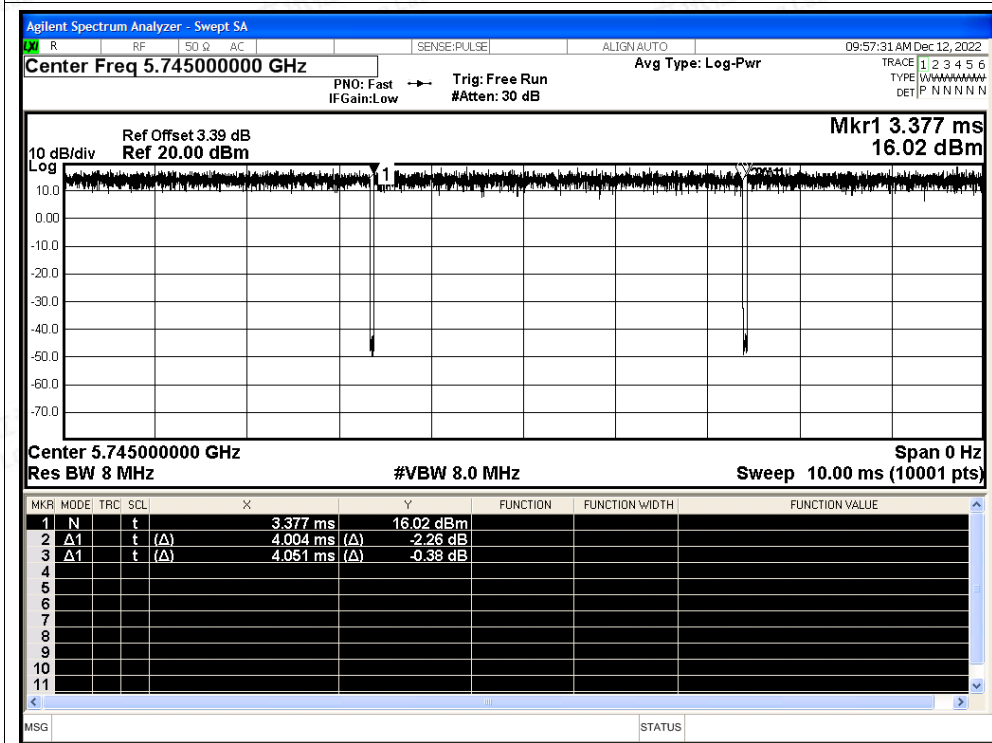


Duty Cycle NVNT n40 5795MHz Ant0

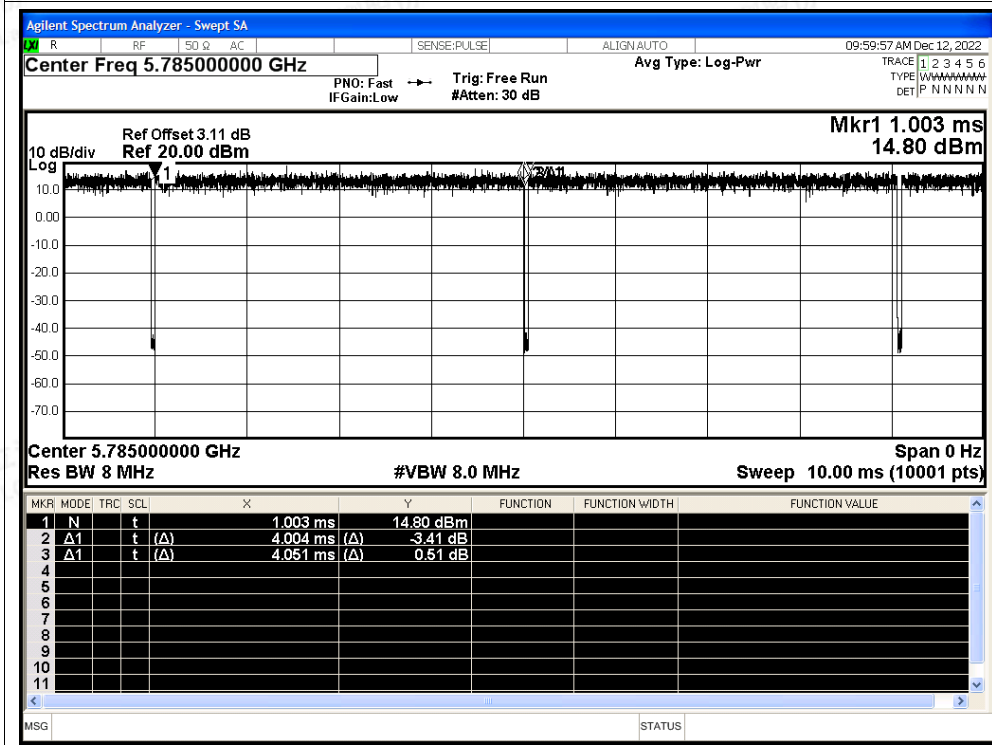




Duty Cycle NVNT ac20 5745MHz Ant0

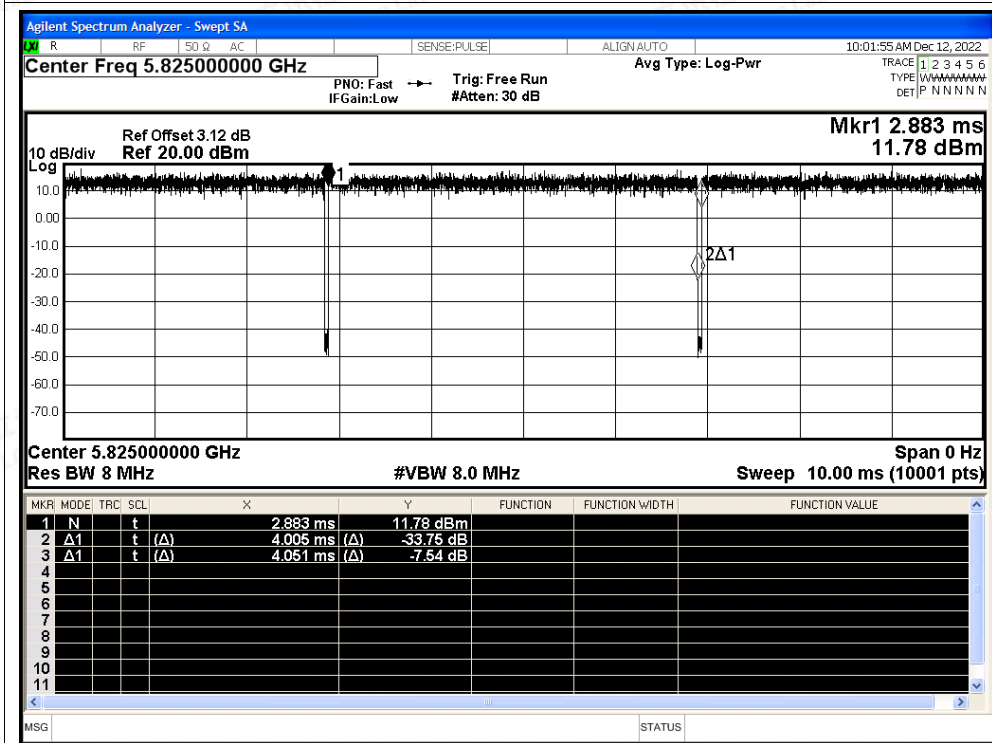


Duty Cycle NVNT ac20 5785MHz Ant0

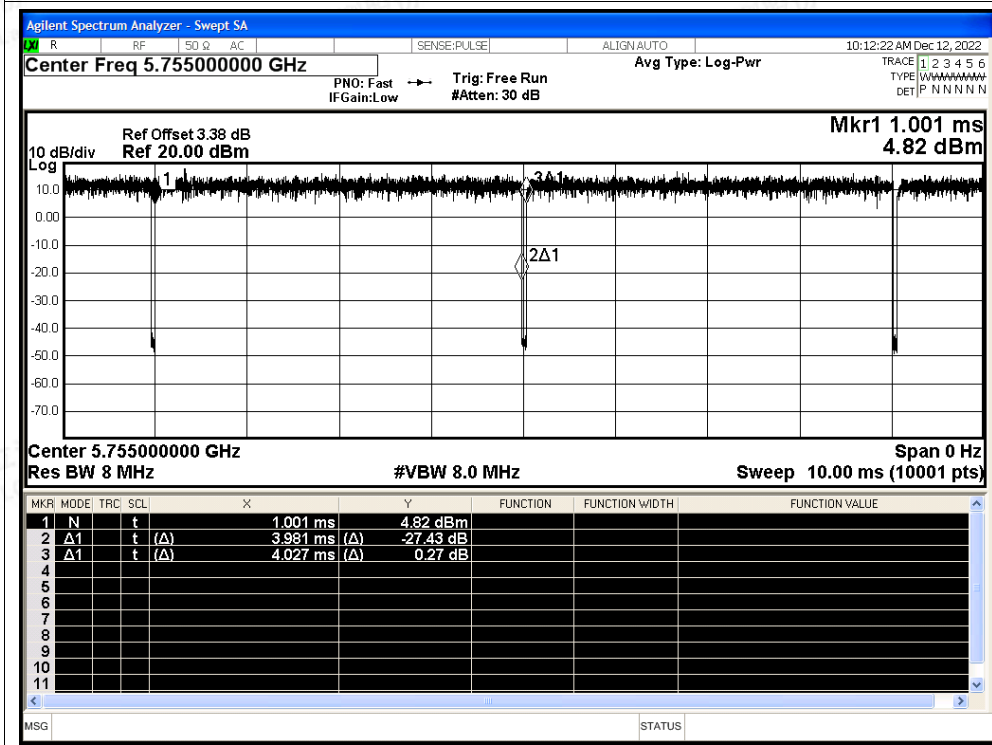




Duty Cycle NVNT ac20 5825MHz Ant0

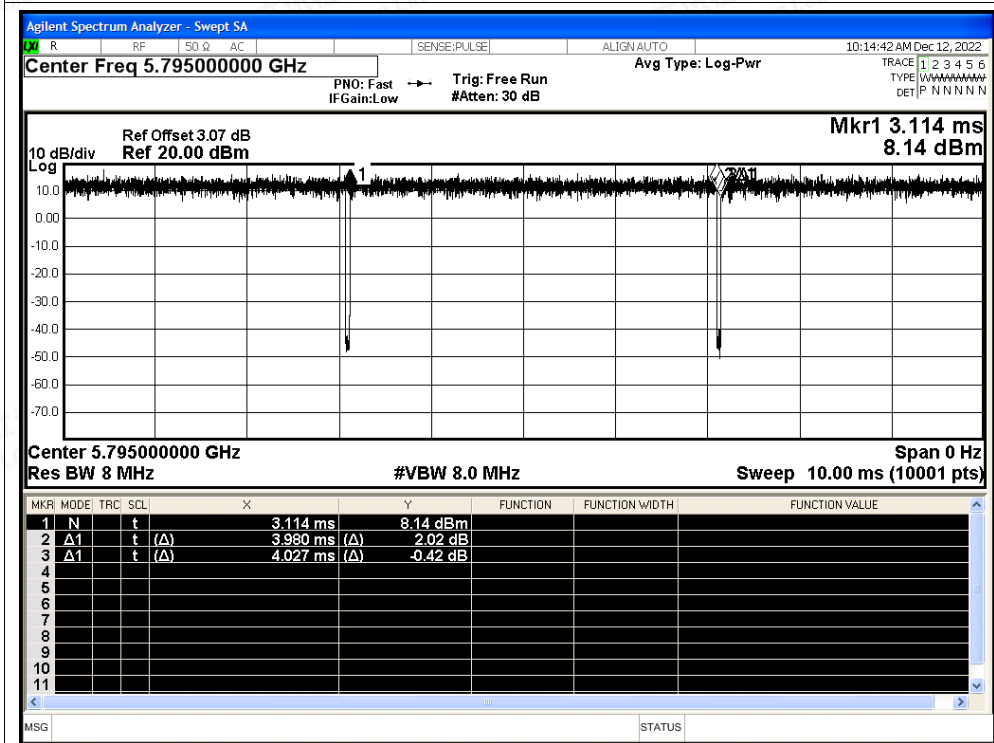


Duty Cycle NVNT ac40 5755MHz Ant0

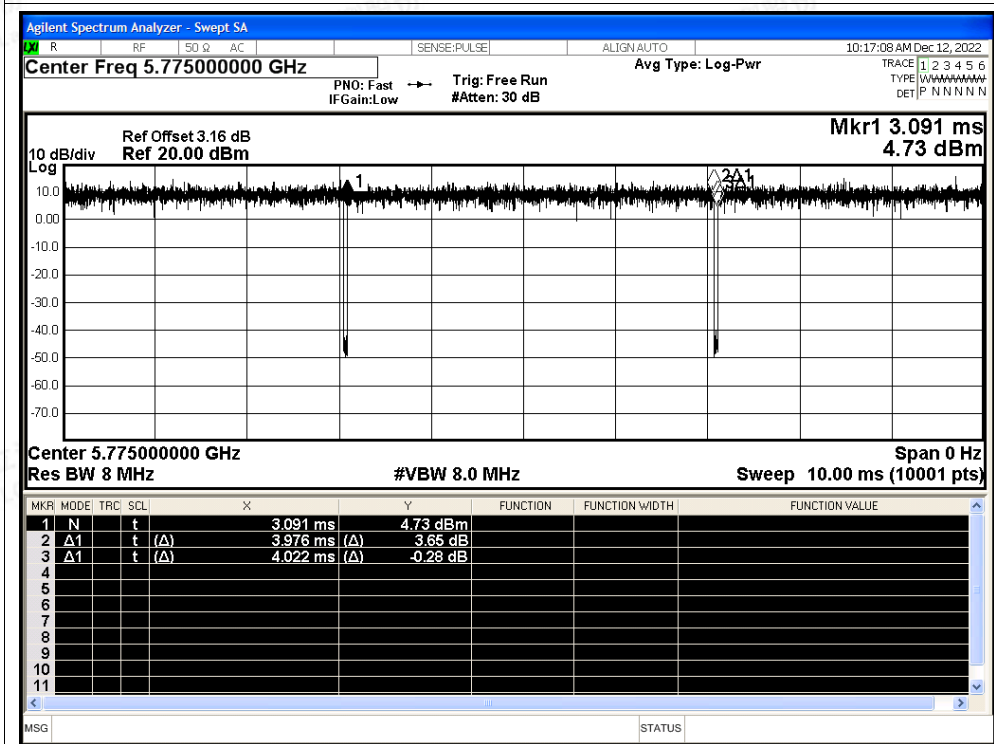




Duty Cycle NVNT ac40 5795MHz Ant0



Duty Cycle NVNT ac80 5775MHz Ant0





Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	98.82	0	0.01
NVNT	a	5785	Ant1	98.82	0	0.01
NVNT	a	5825	Ant1	98.82	0	0.01
NVNT	n20	5745	Ant1	98.82	0	0.01
NVNT	n20	5785	Ant1	98.87	0	0.01
NVNT	n20	5825	Ant1	98.87	0	0.01
NVNT	n40	5755	Ant1	98.83	0	0.01
NVNT	n40	5795	Ant1	98.86	0	0.01
NVNT	ac20	5745	Ant1	98.84	0	0.01
NVNT	ac20	5785	Ant1	98.86	0	0.01
NVNT	ac20	5825	Ant1	98.86	0	0.01
NVNT	ac40	5755	Ant1	98.83	0	0.01
NVNT	ac40	5795	Ant1	98.86	0	0.01
NVNT	ac80	5775	Ant1	98.86	0	0.01

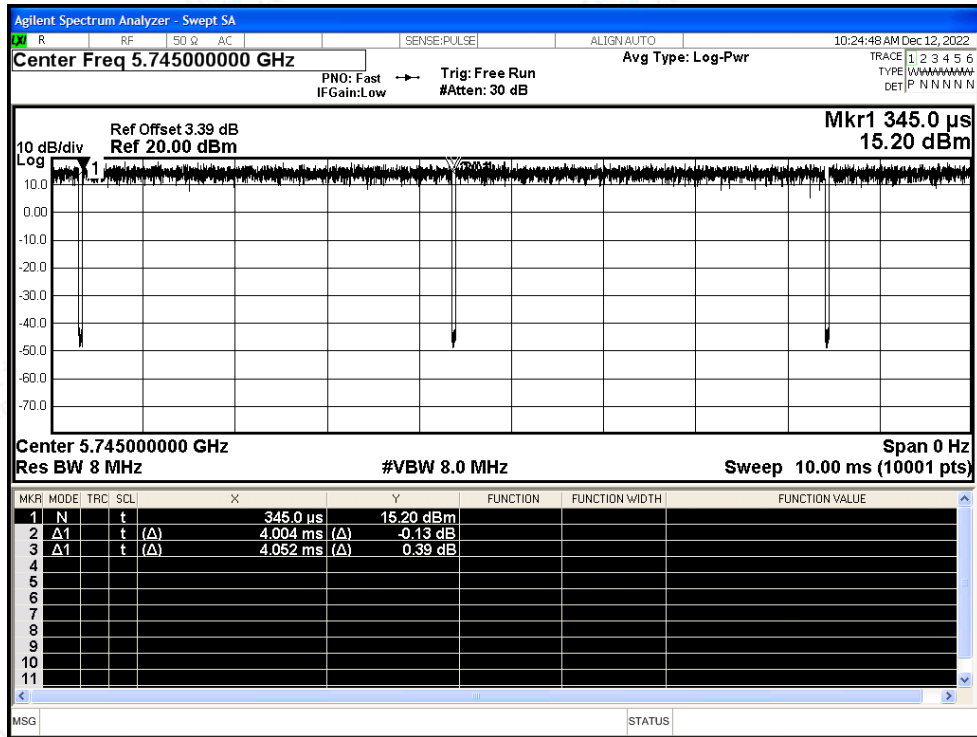


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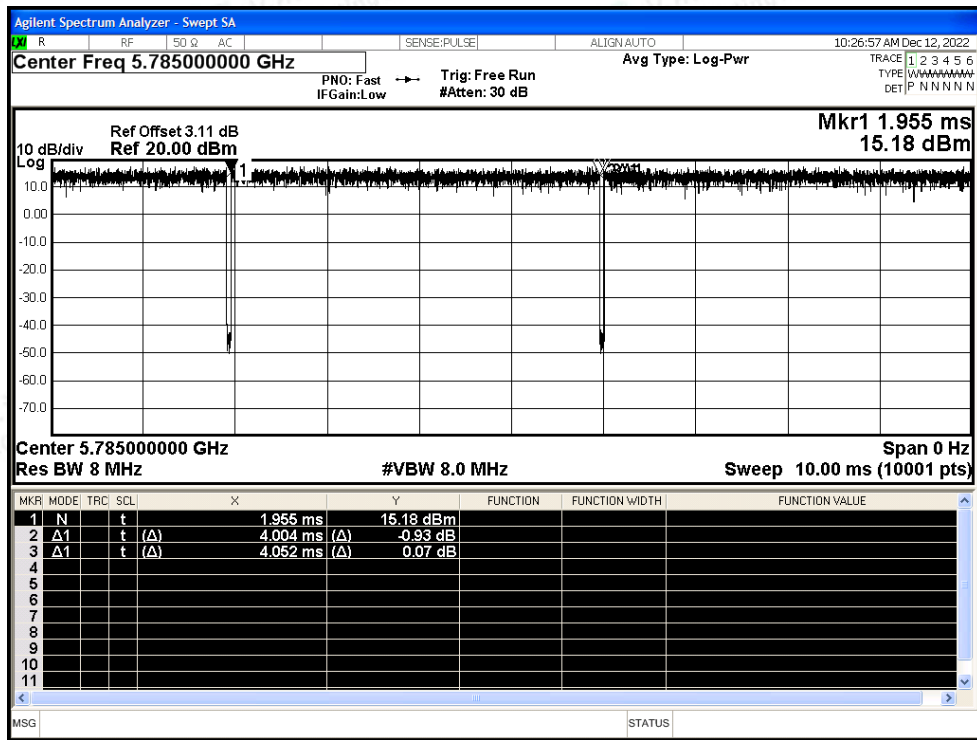


Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

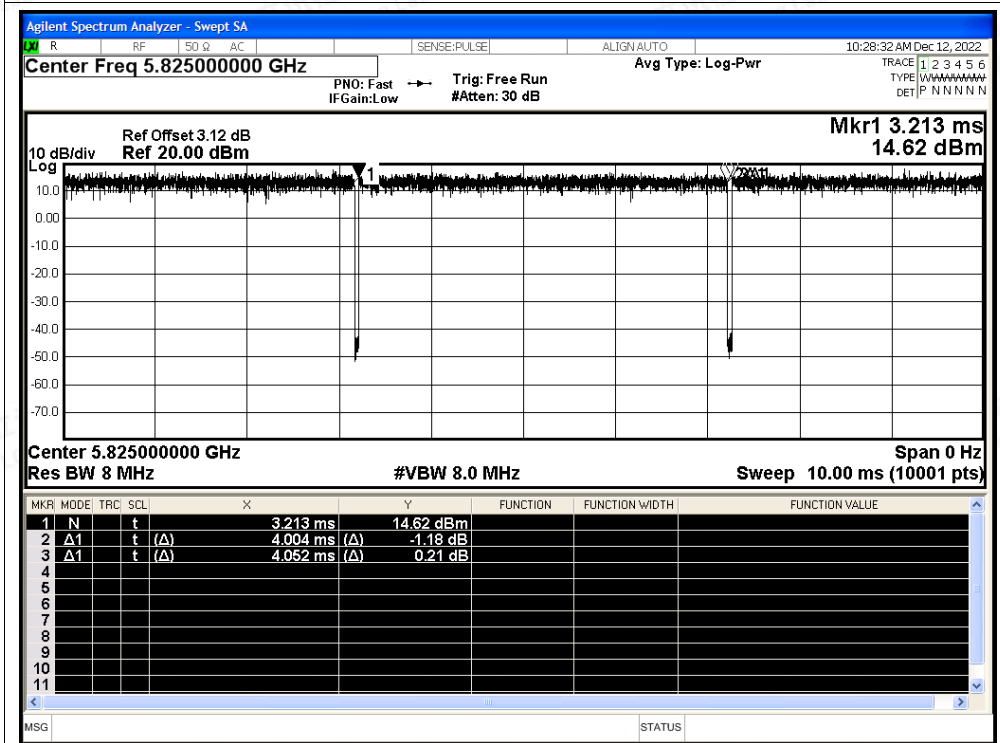


Duty Cycle NVNT a 5785MHz Ant1

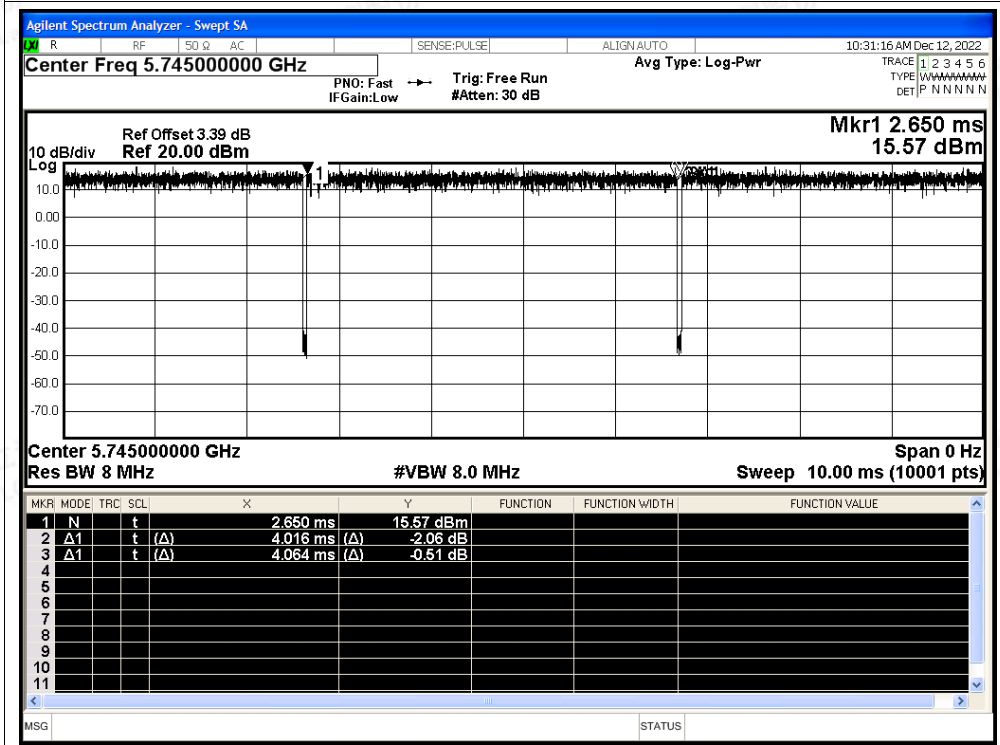




Duty Cycle NVNT a 5825MHz Ant1

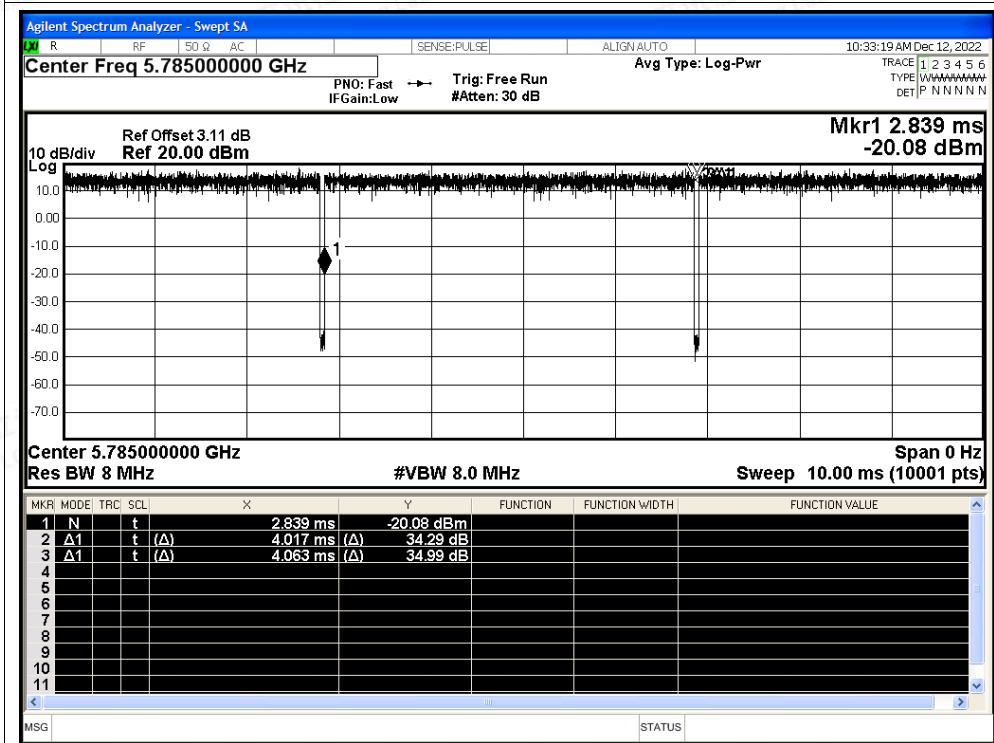


Duty Cycle NVNT n20 5745MHz Ant1

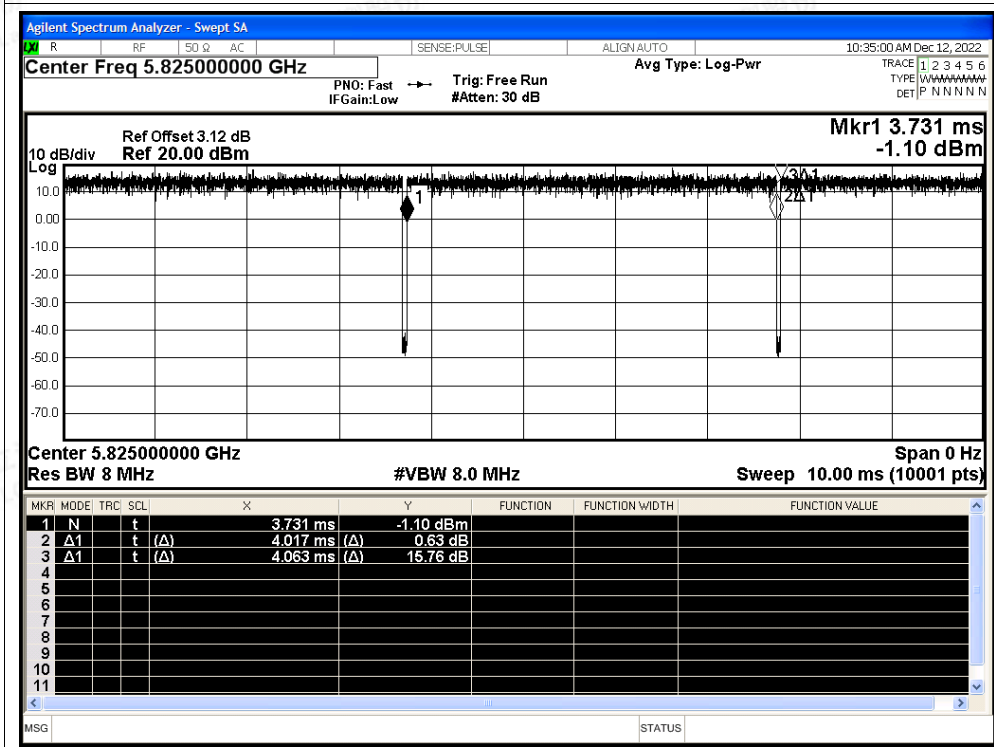




Duty Cycle NVNT n20 5785MHz Ant1



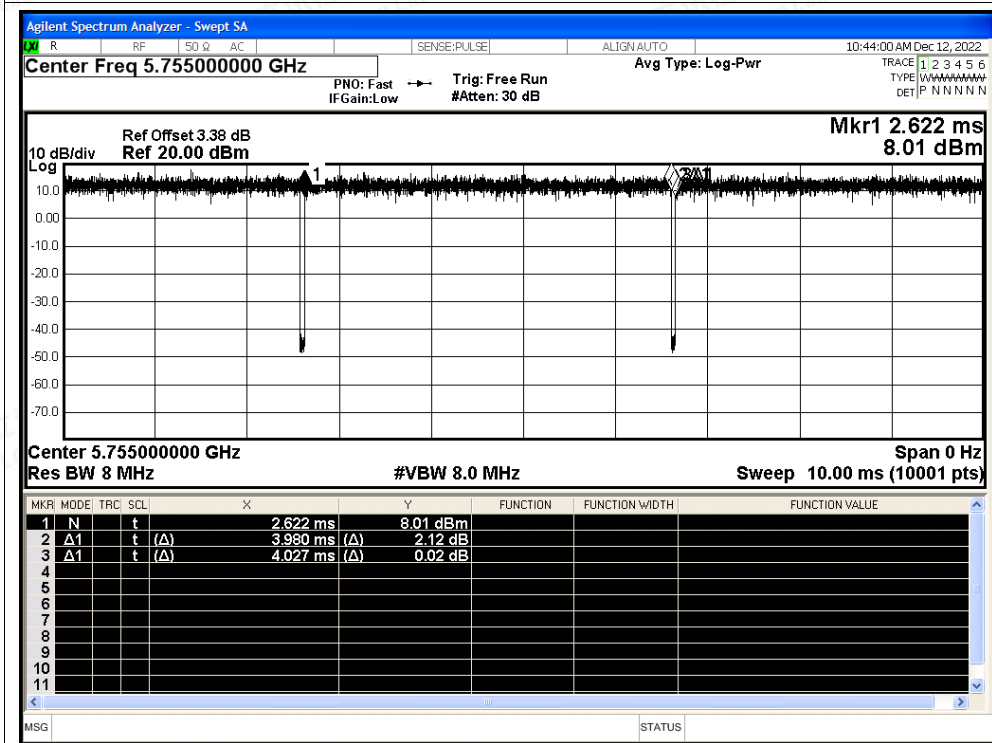
Duty Cycle NVNT n20 5825MHz Ant1



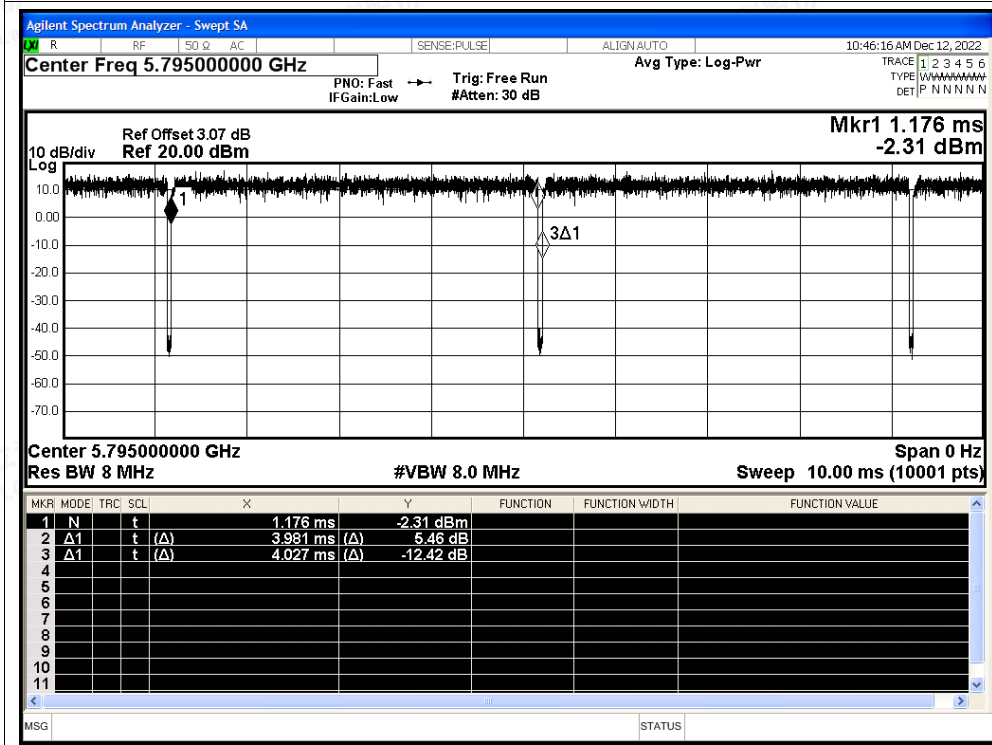




Duty Cycle NVNT n40 5755MHz Ant1

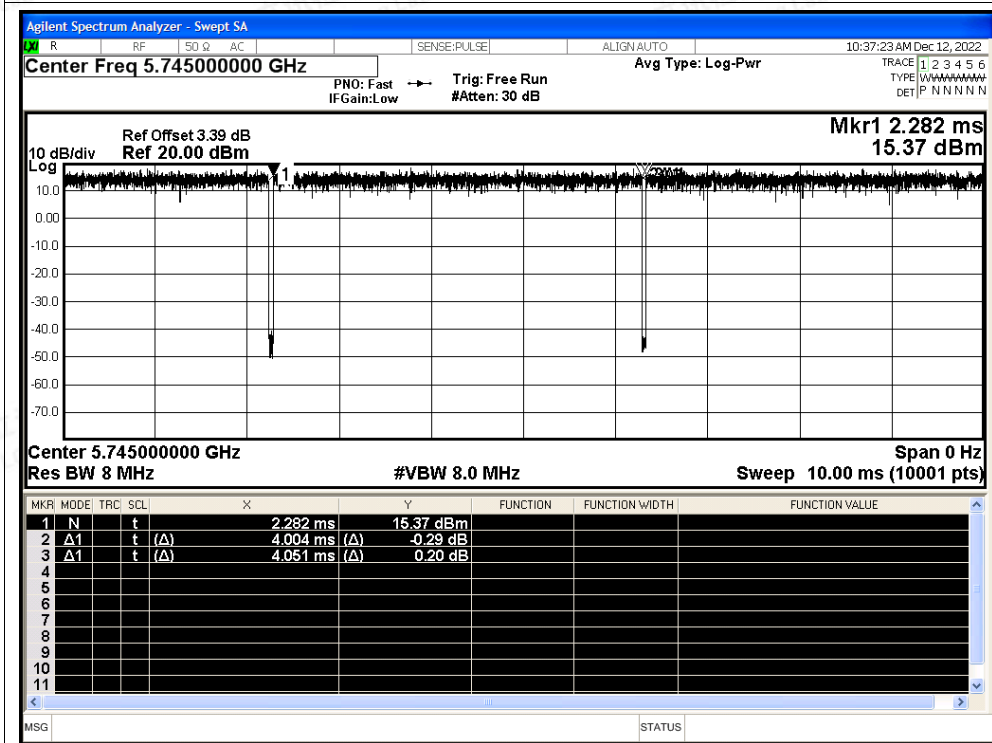


Duty Cycle NVNT n40 5795MHz Ant1

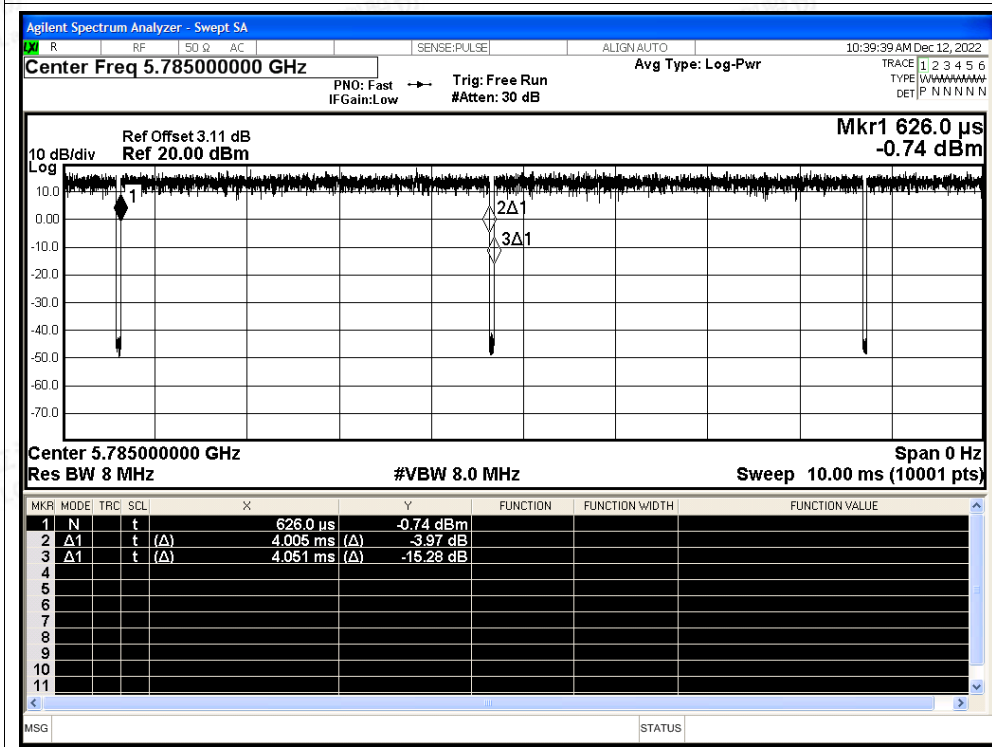




Duty Cycle NVNT ac20 5745MHz Ant1

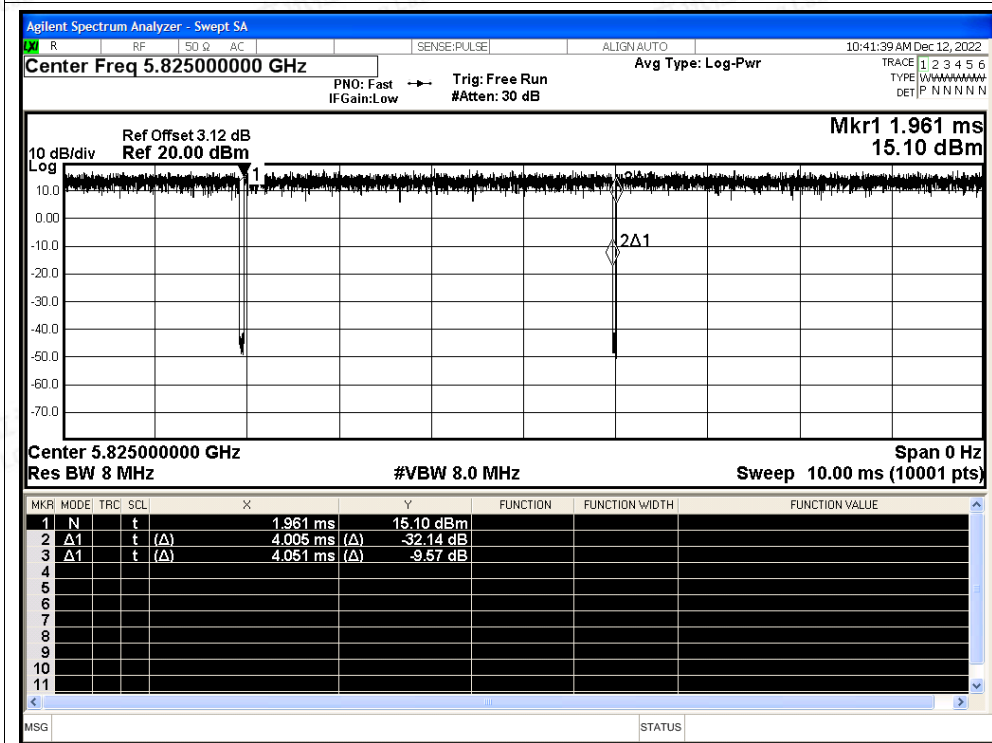


Duty Cycle NVNT ac20 5785MHz Ant1

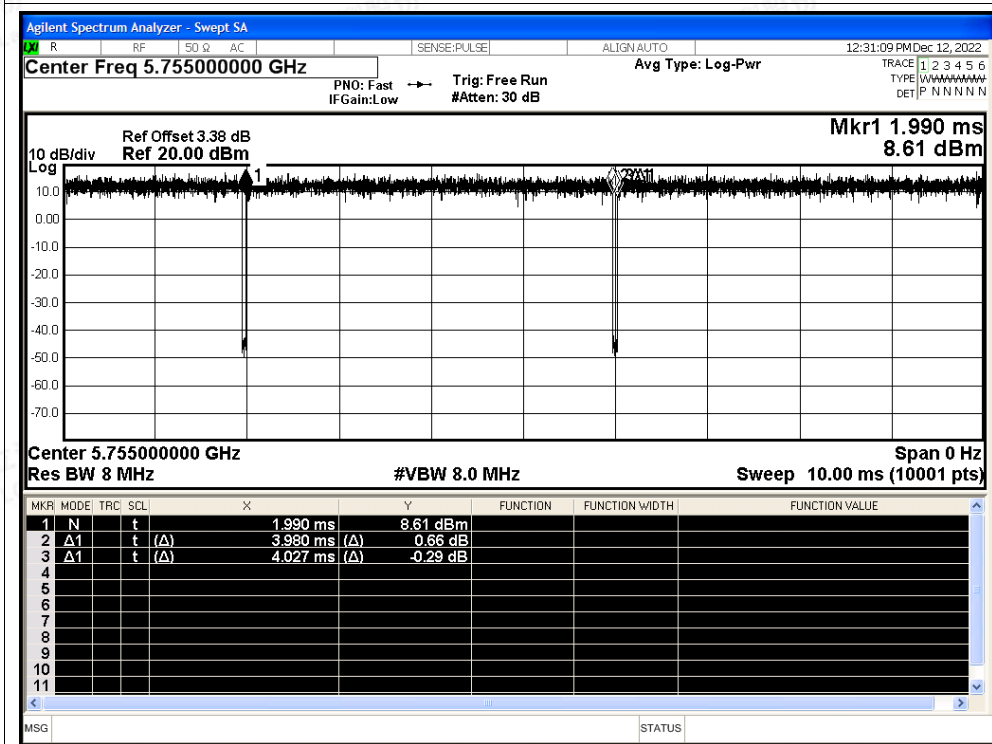




Duty Cycle NVNT ac20 5825MHz Ant1

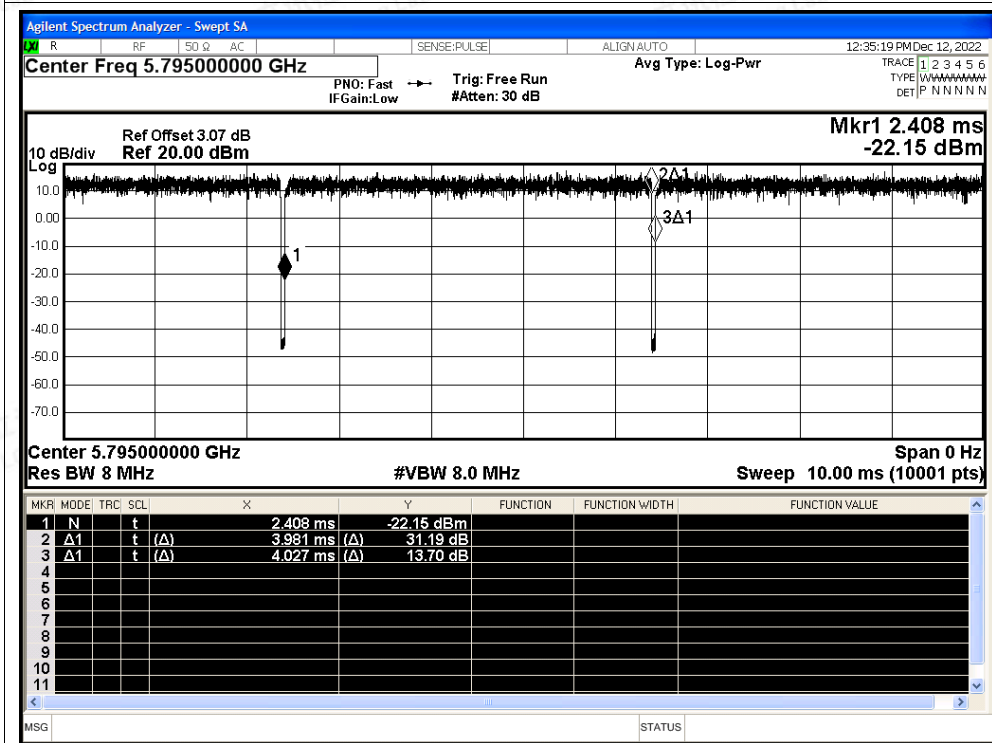


Duty Cycle NVNT ac40 5755MHz Ant1





Duty Cycle NVNT ac40 5795MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant1

