



Appendix E

RF Test Data for 5.8GWIFI (Conducted Measurement)

Product Name: GPON Router

Test Model: SG1696D2VR (SG401C)

Environmental Conditions

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





E.1 -6dB Bandwidth

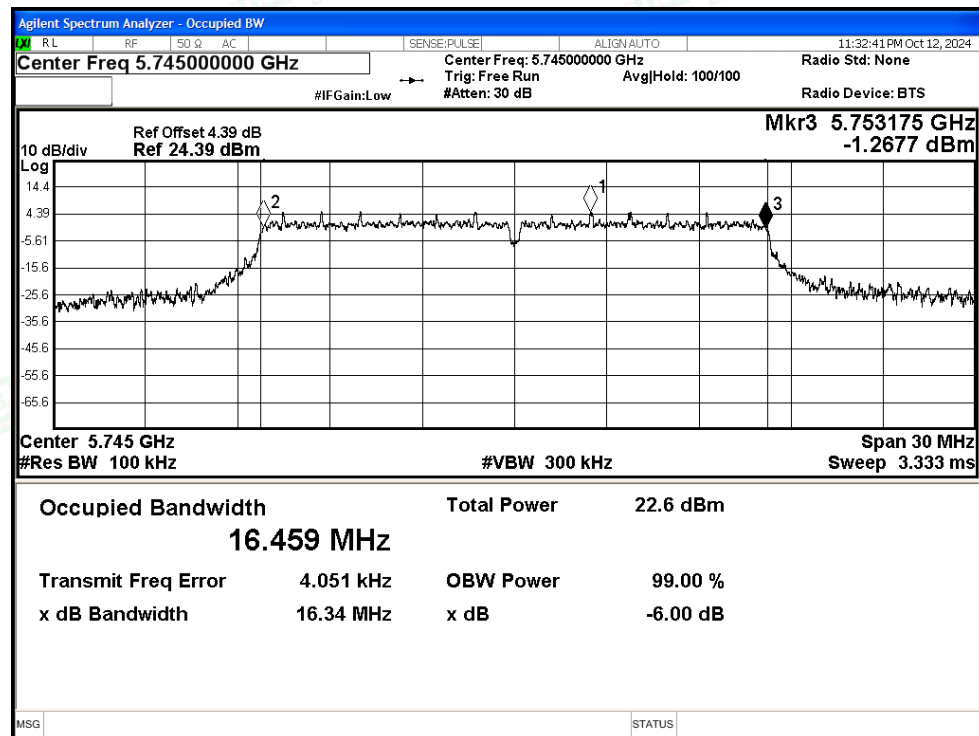
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant3	16.342	≥ 0.5	Pass
NVNT	a	5785	Ant3	16.331	≥ 0.5	Pass
NVNT	a	5825	Ant3	16.336	≥ 0.5	Pass
NVNT	n20	5745	Ant3	17.088	≥ 0.5	Pass
NVNT	n20	5785	Ant3	17.541	≥ 0.5	Pass
NVNT	n20	5825	Ant3	17.532	≥ 0.5	Pass
NVNT	n40	5755	Ant3	35.471	≥ 0.5	Pass
NVNT	n40	5795	Ant3	36.022	≥ 0.5	Pass
NVNT	ac20	5745	Ant3	17.253	≥ 0.5	Pass
NVNT	ac20	5785	Ant3	17.142	≥ 0.5	Pass
NVNT	ac20	5825	Ant3	17.128	≥ 0.5	Pass
NVNT	ac40	5755	Ant3	35.718	≥ 0.5	Pass
NVNT	ac40	5795	Ant3	35.851	≥ 0.5	Pass
NVNT	ac80	5775	Ant3	75.922	≥ 0.5	Pass
NVNT	ax20	5745	Ant3	17.273	≥ 0.5	Pass
NVNT	ax20	5785	Ant3	17.301	≥ 0.5	Pass
NVNT	ax20	5825	Ant3	17.271	≥ 0.5	Pass
NVNT	ax40	5755	Ant3	35.746	≥ 0.5	Pass
NVNT	ax40	5795	Ant3	35.854	≥ 0.5	Pass
NVNT	ax80	5775	Ant3	75.585	≥ 0.5	Pass



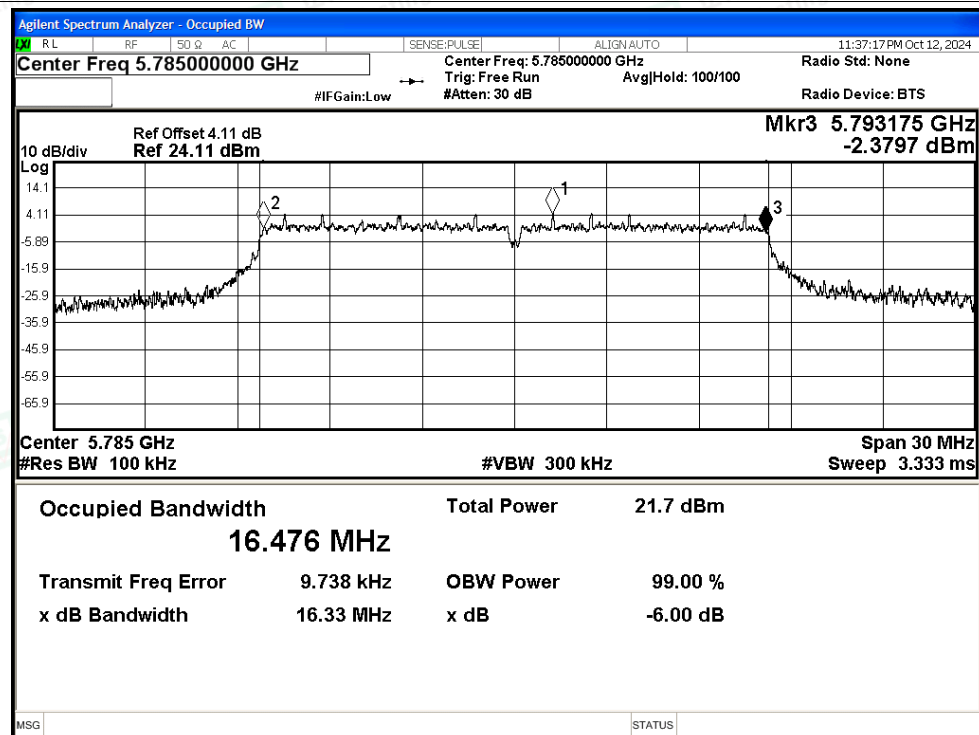


Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant3



-6dB Bandwidth NVNT a 5785MHz Ant3



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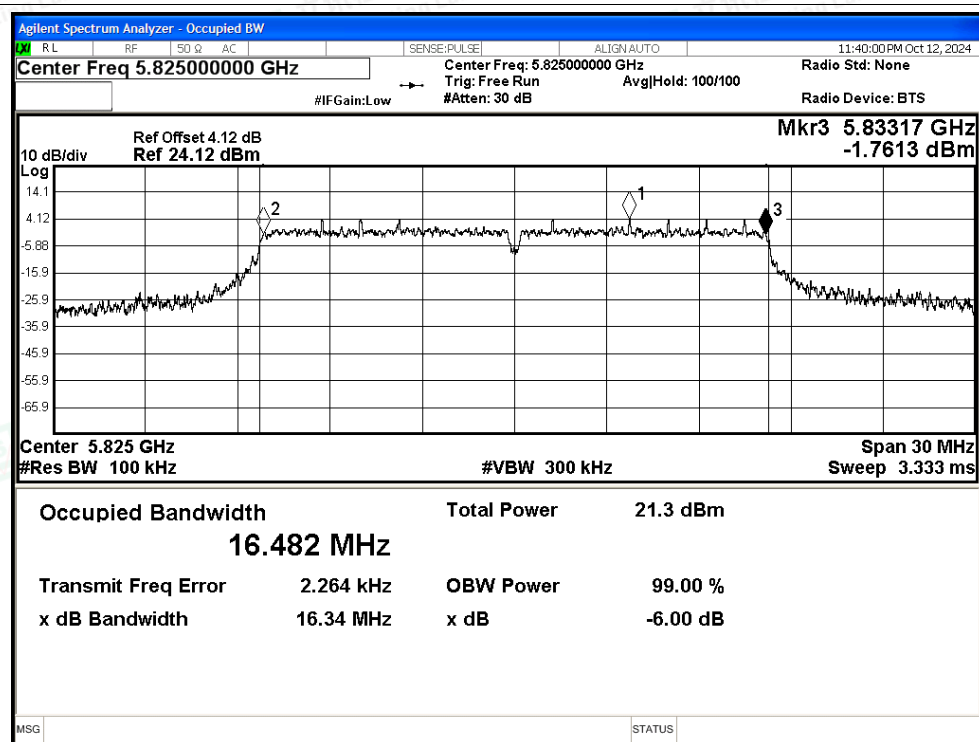
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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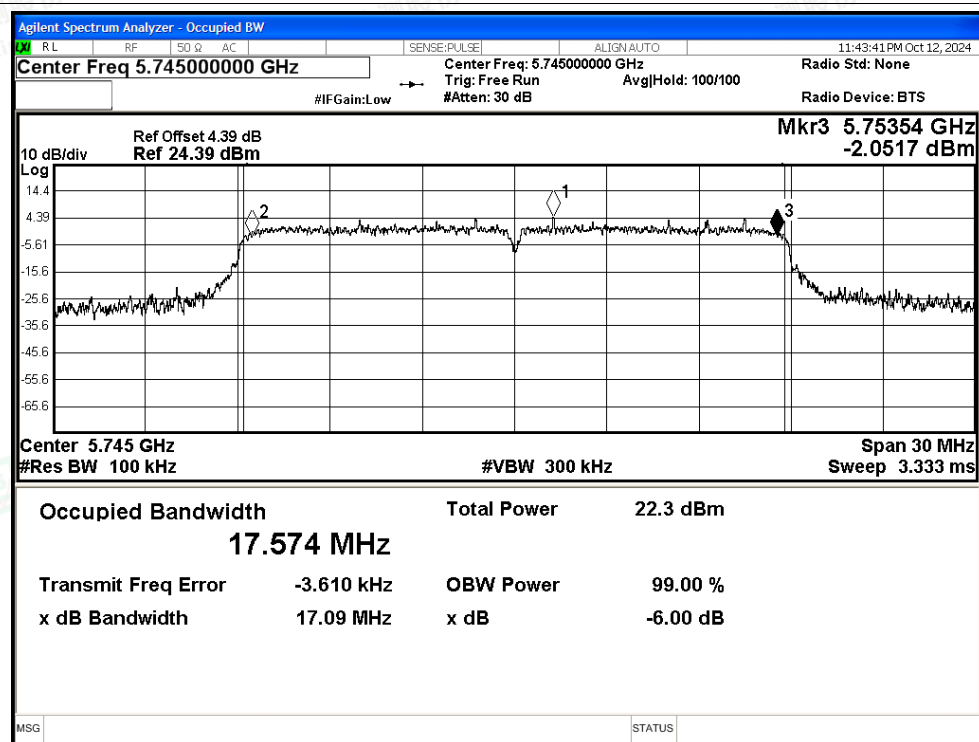
Scan code to check authenticity



-6dB Bandwidth NVNT a 5825MHz Ant3

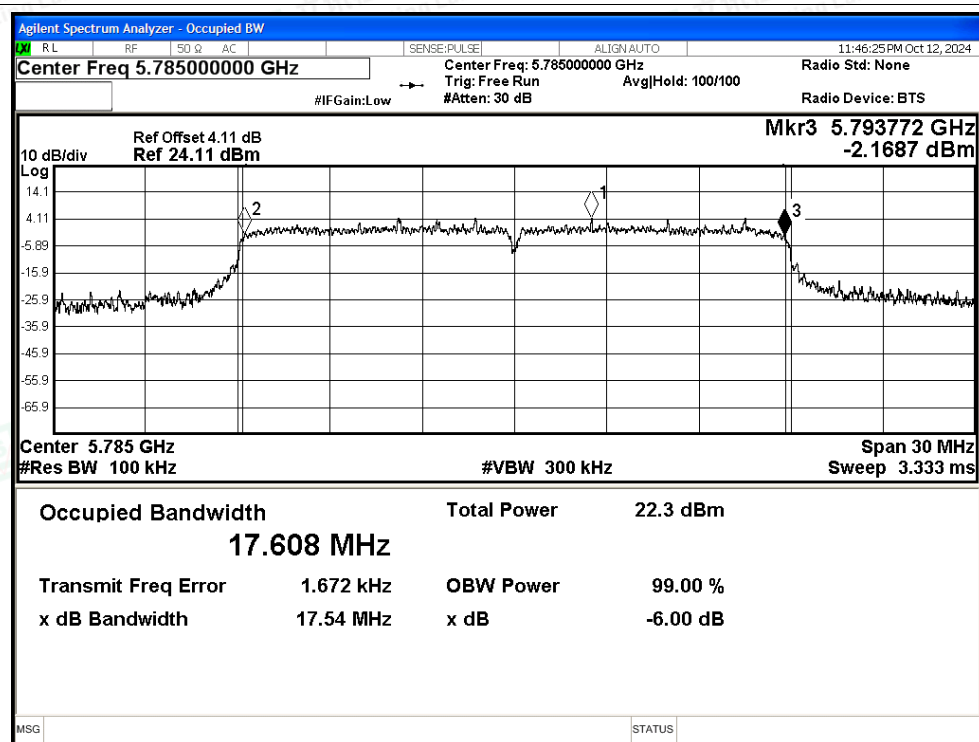


-6dB Bandwidth NVNT n20 5745MHz Ant3

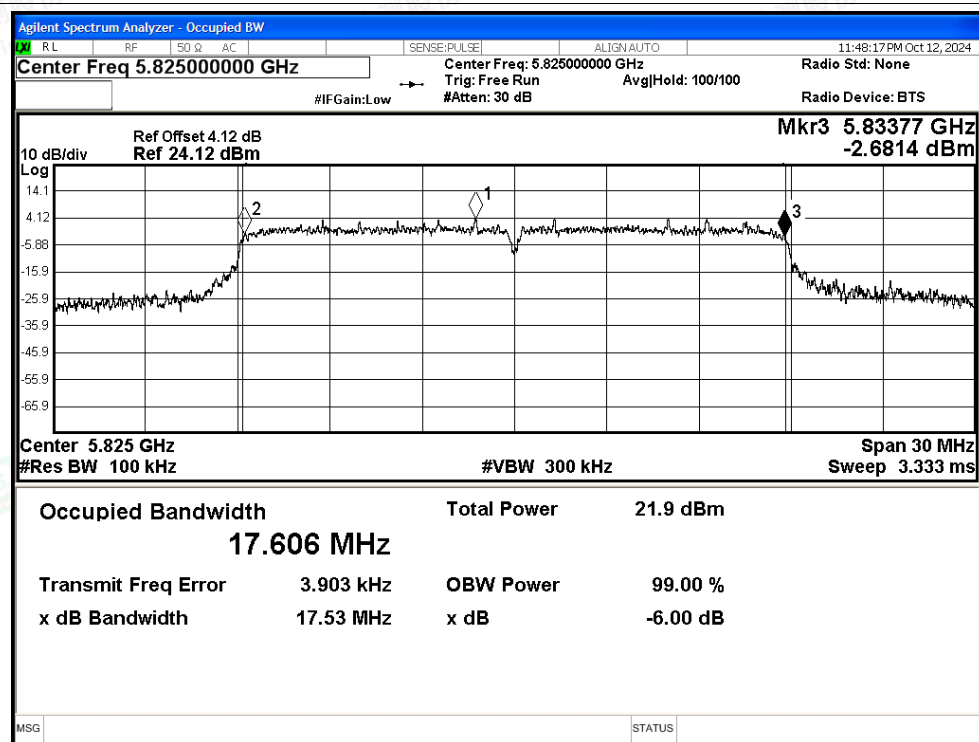




-6dB Bandwidth NVNT n20 5785MHz Ant3



-6dB Bandwidth NVNT n20 5825MHz Ant3

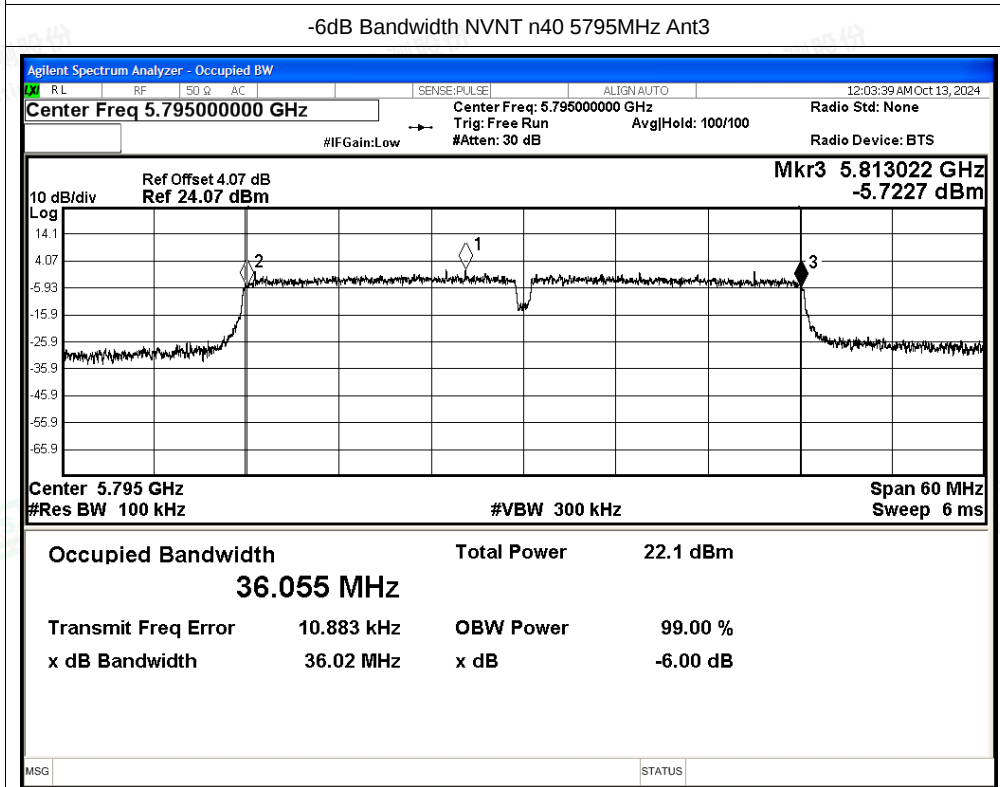
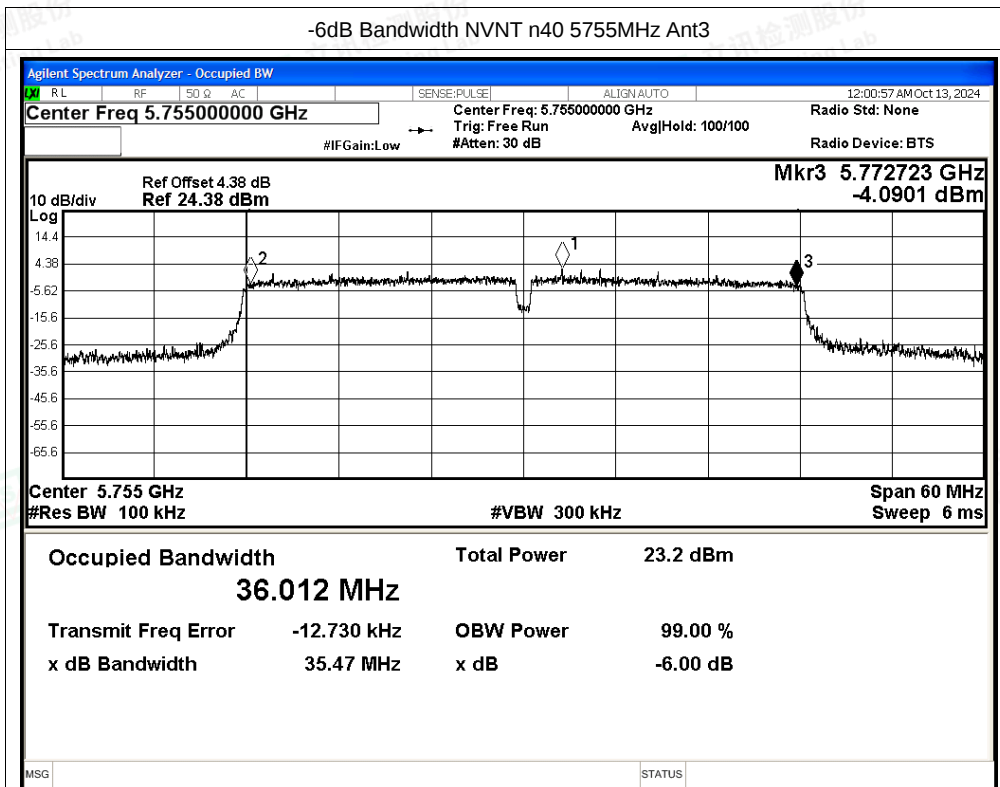


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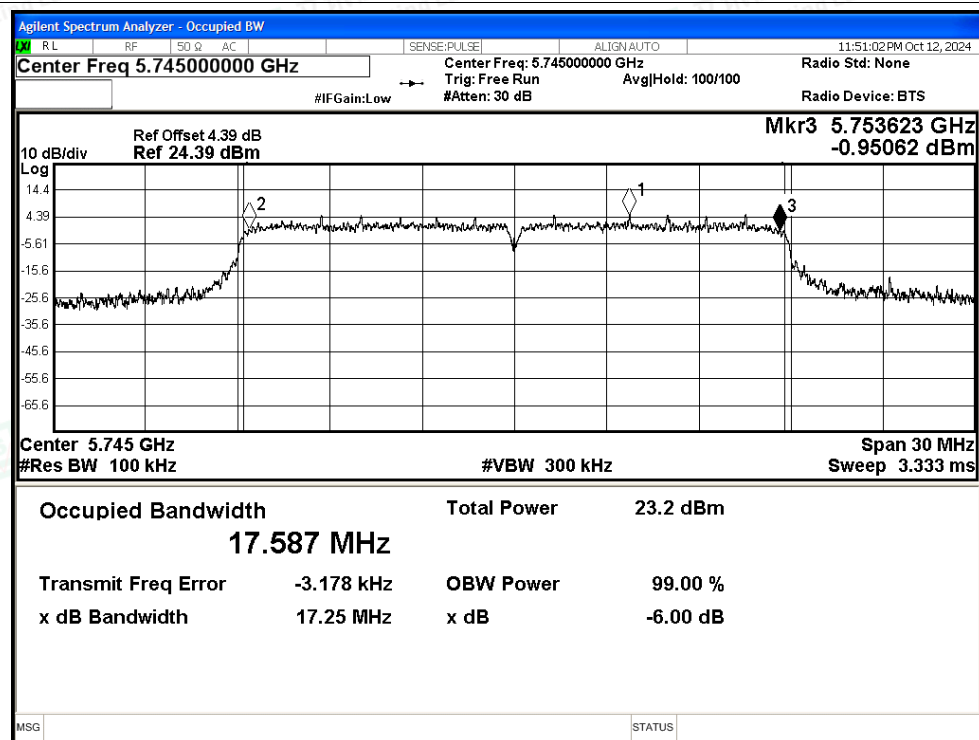
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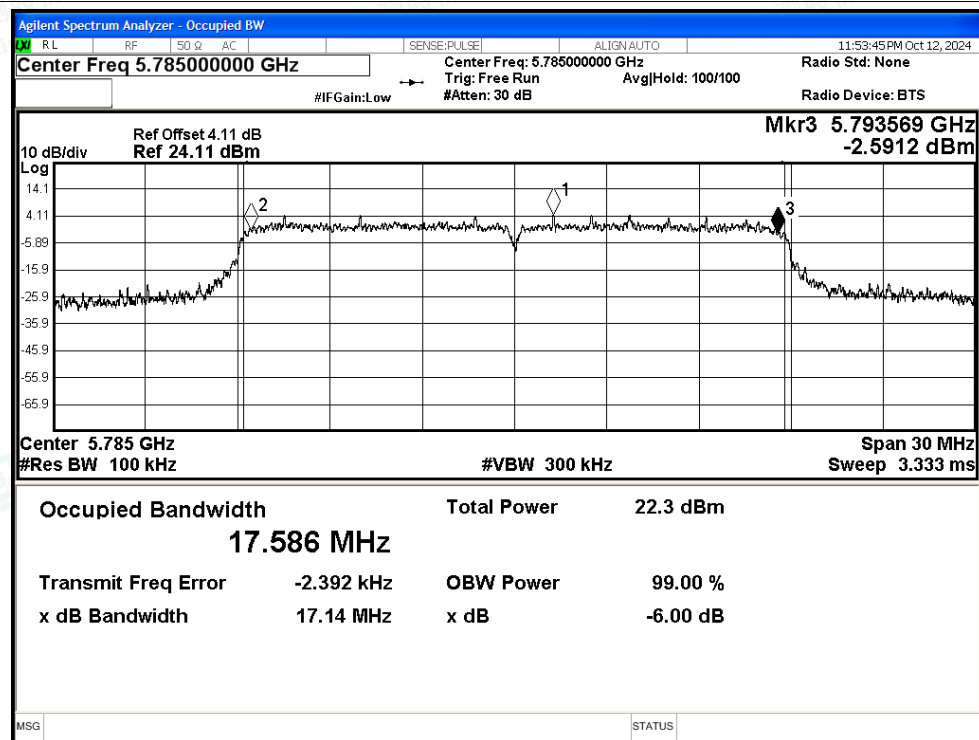




-6dB Bandwidth NVNT ac20 5745MHz Ant3

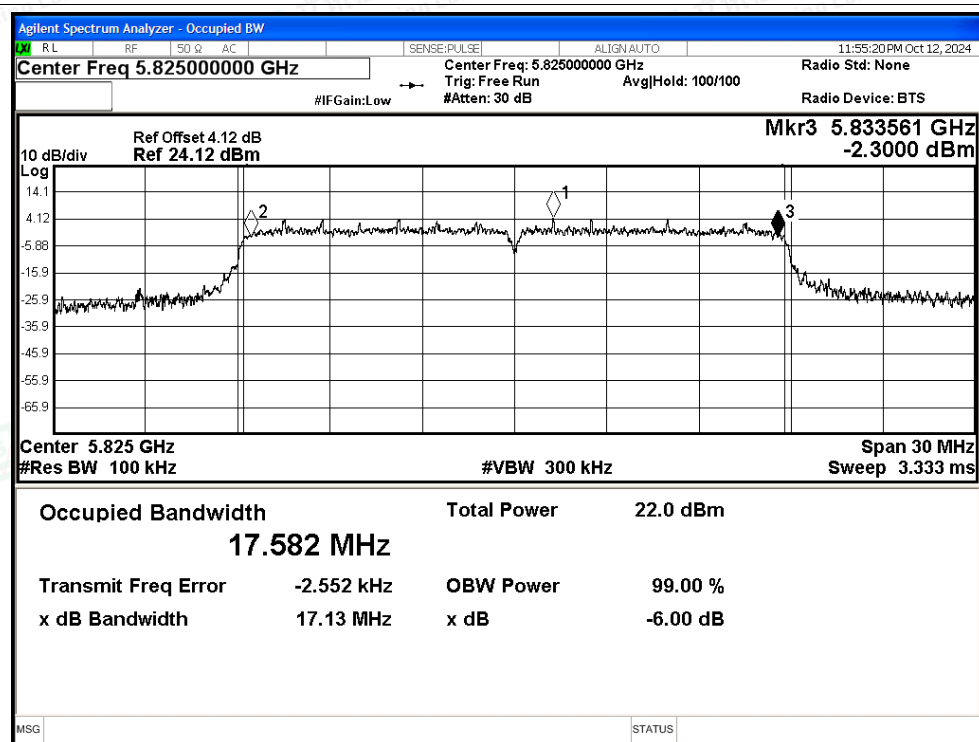


-6dB Bandwidth NVNT ac20 5785MHz Ant3

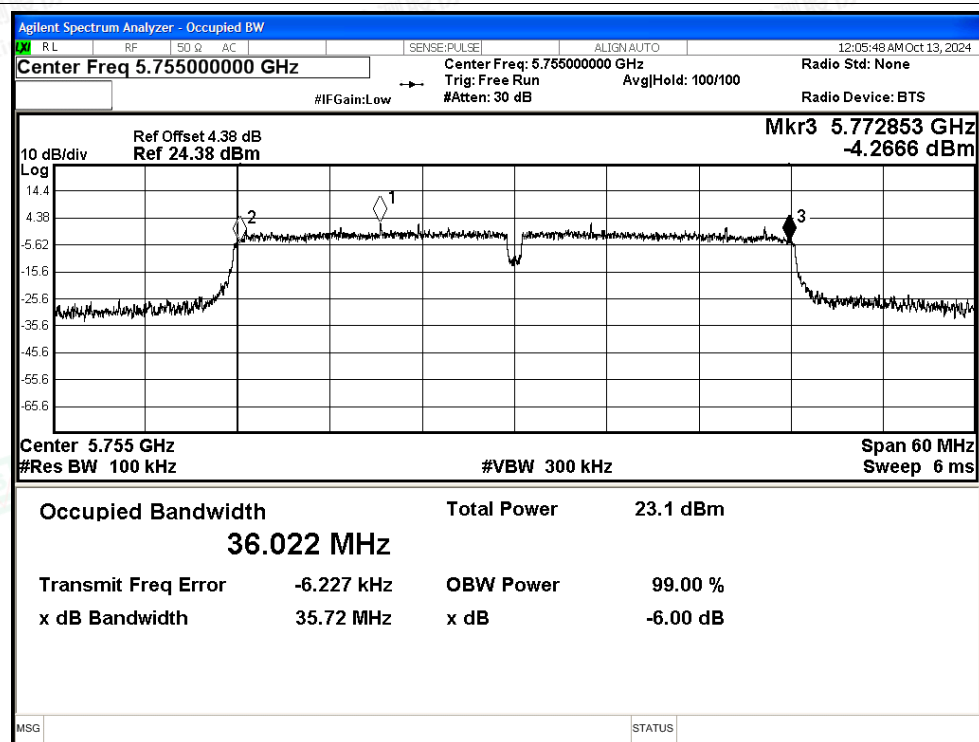




-6dB Bandwidth NVNT ac20 5825MHz Ant3

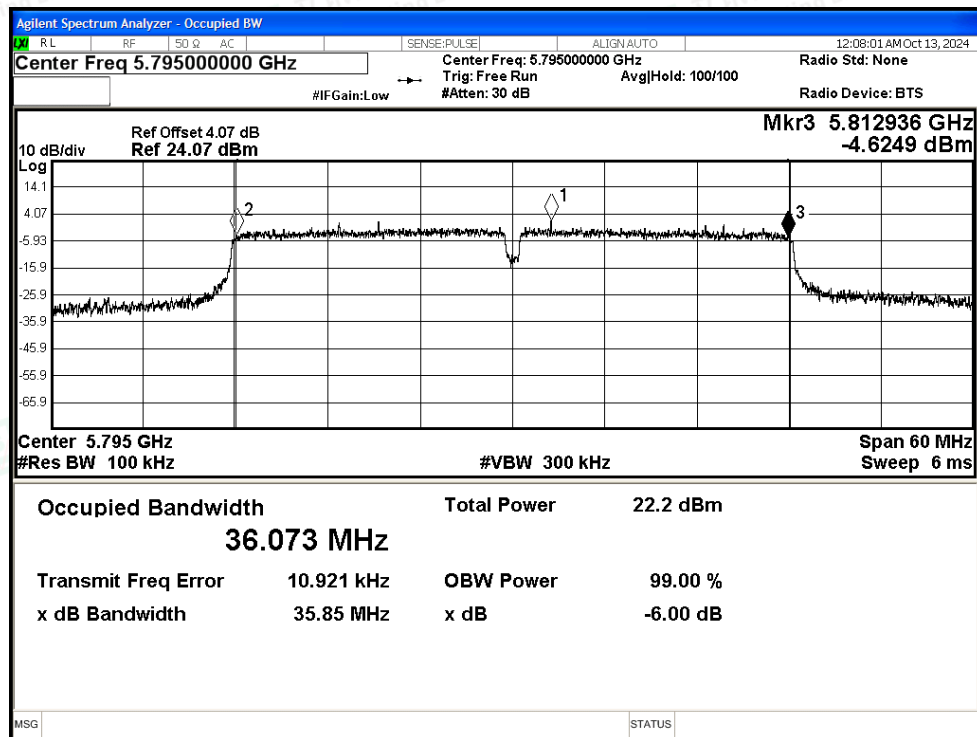


-6dB Bandwidth NVNT ac40 5755MHz Ant3

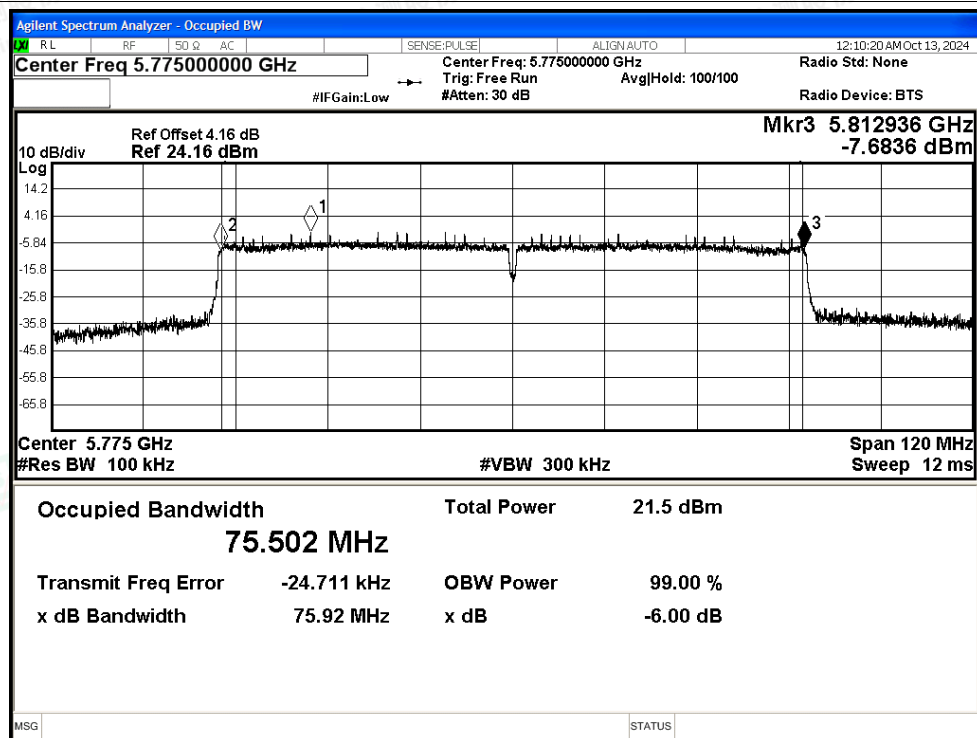




-6dB Bandwidth NVNT ac40 5795MHz Ant3

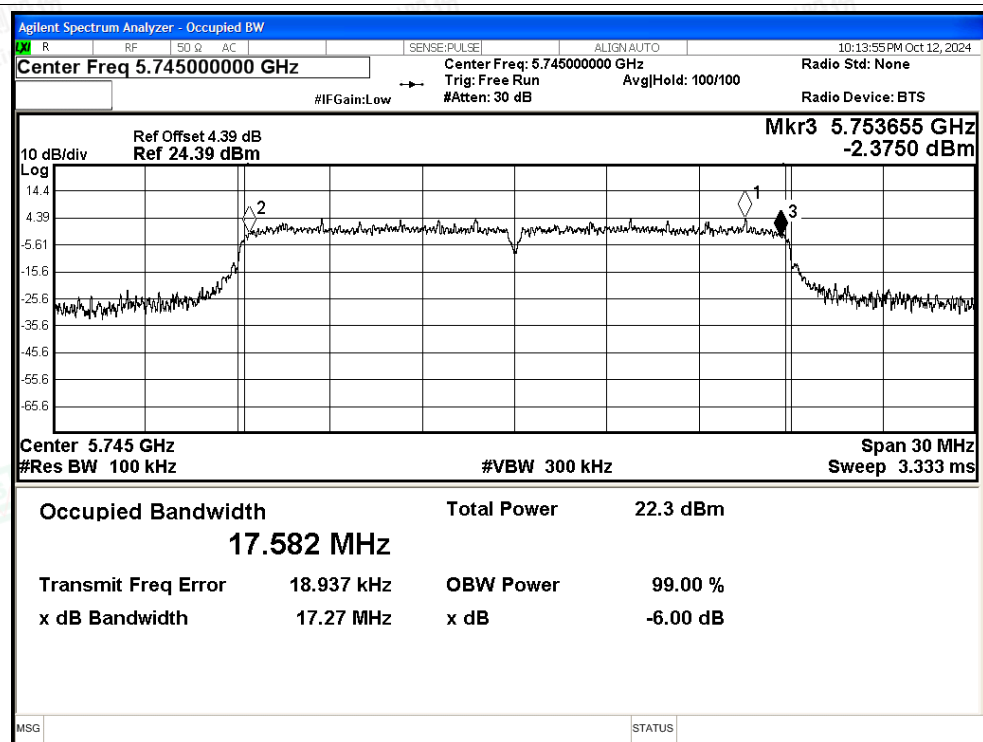


-6dB Bandwidth NVNT ac80 5775MHz Ant3

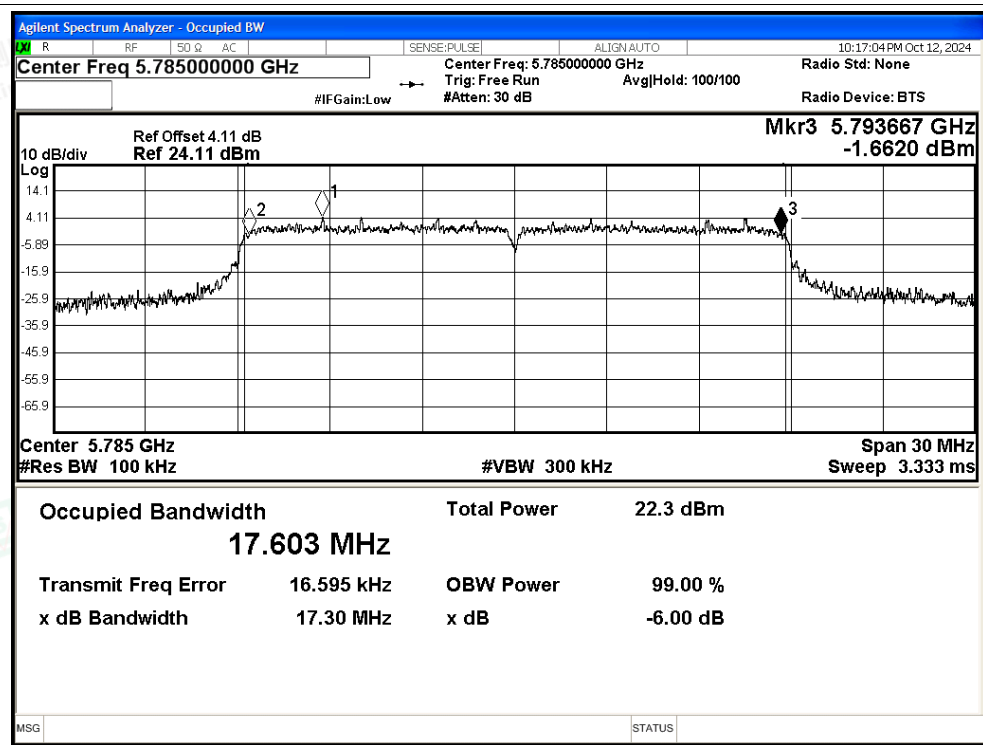


-6dB Bandwidth NVNT ax20 5745MHz Ant3



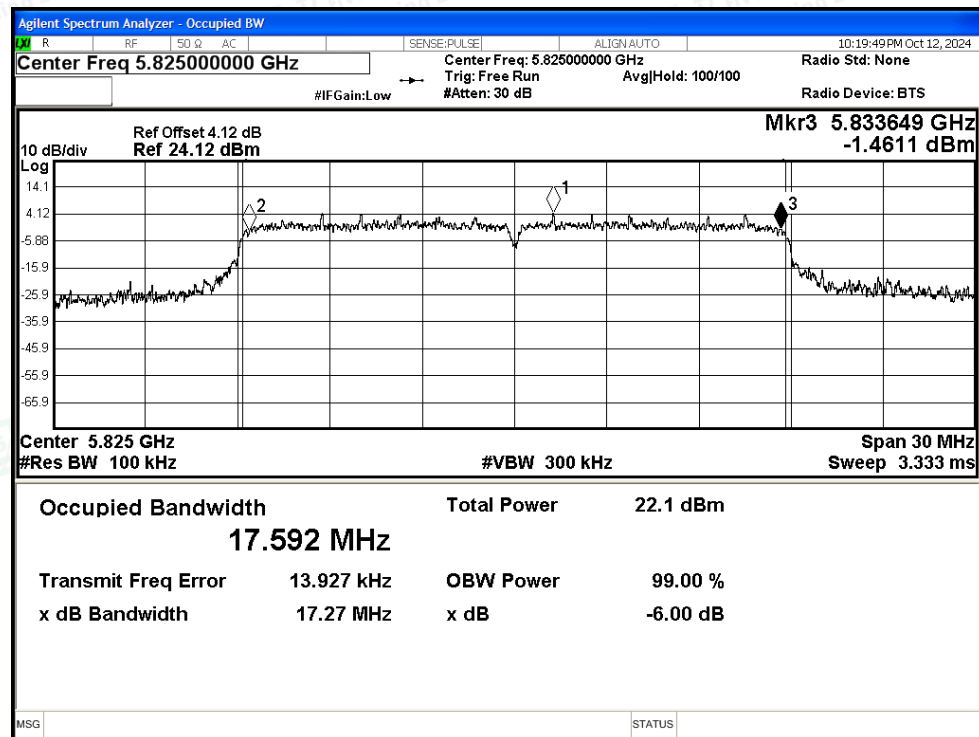


-6dB Bandwidth NVNT ax20 5785MHz Ant3

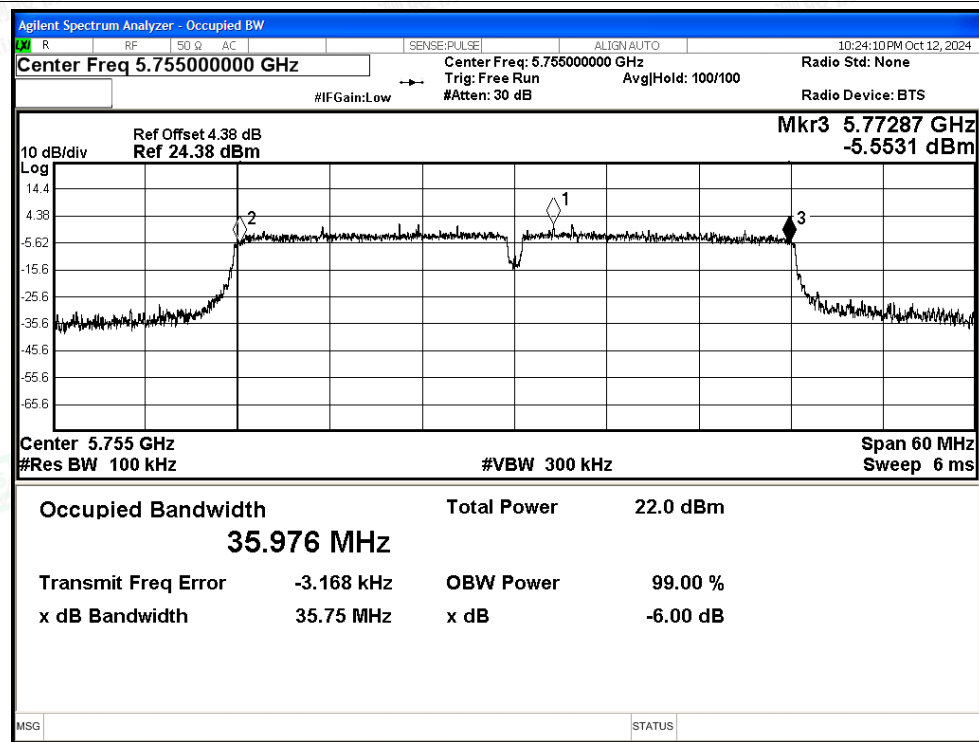




-6dB Bandwidth NVNT ax20 5825MHz Ant3

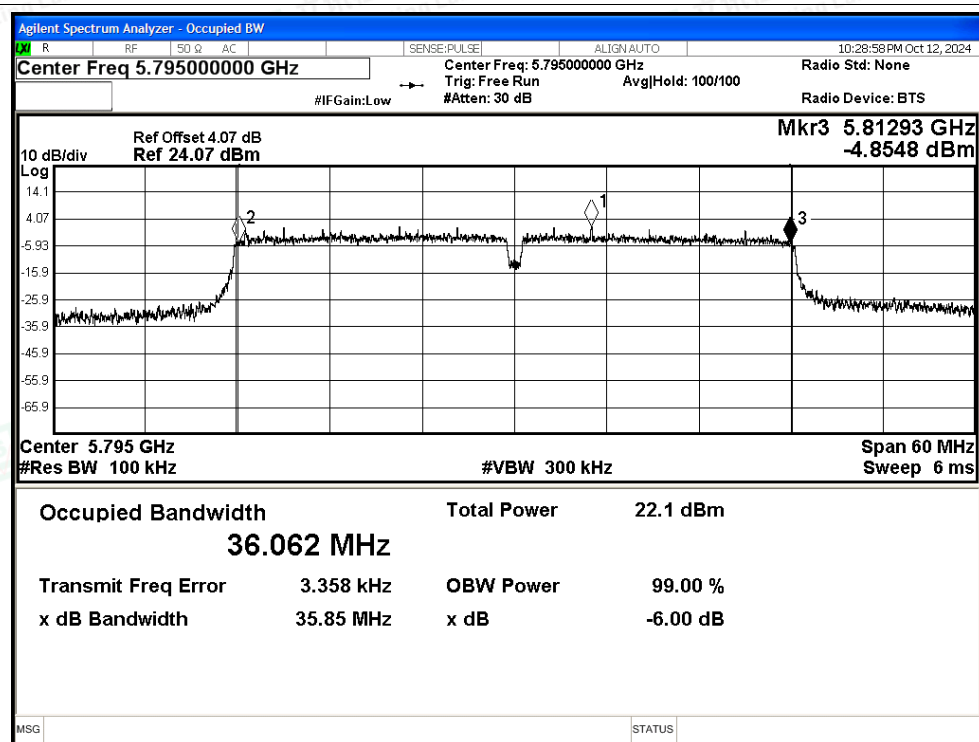


-6dB Bandwidth NVNT ax40 5755MHz Ant3

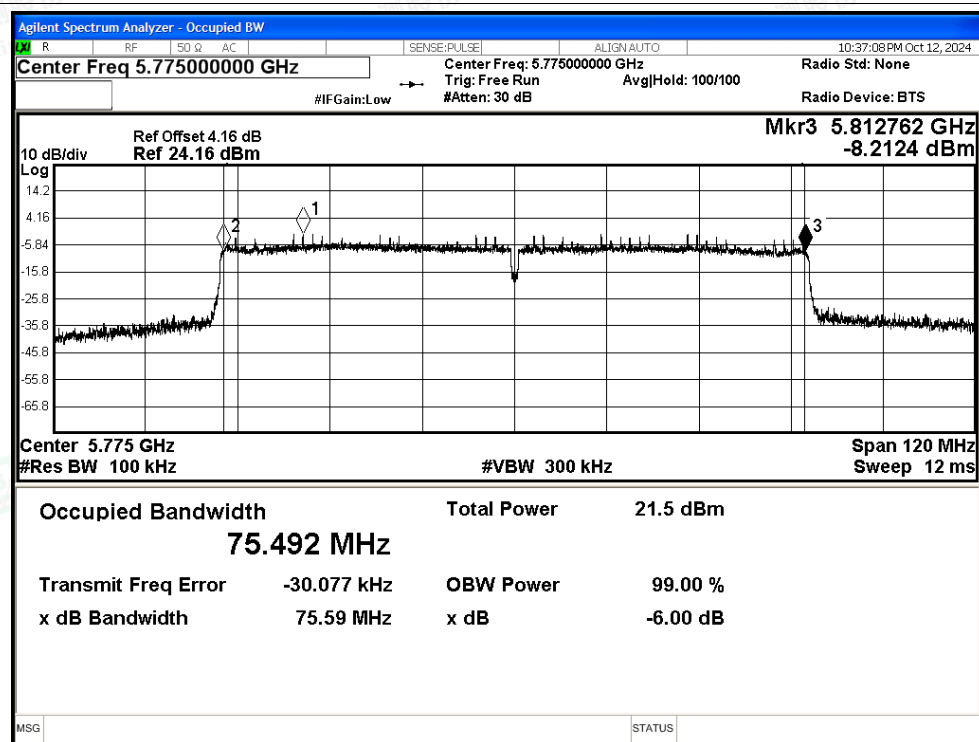




-6dB Bandwidth NVNT ax40 5795MHz Ant3



-6dB Bandwidth NVNT ax80 5775MHz Ant3





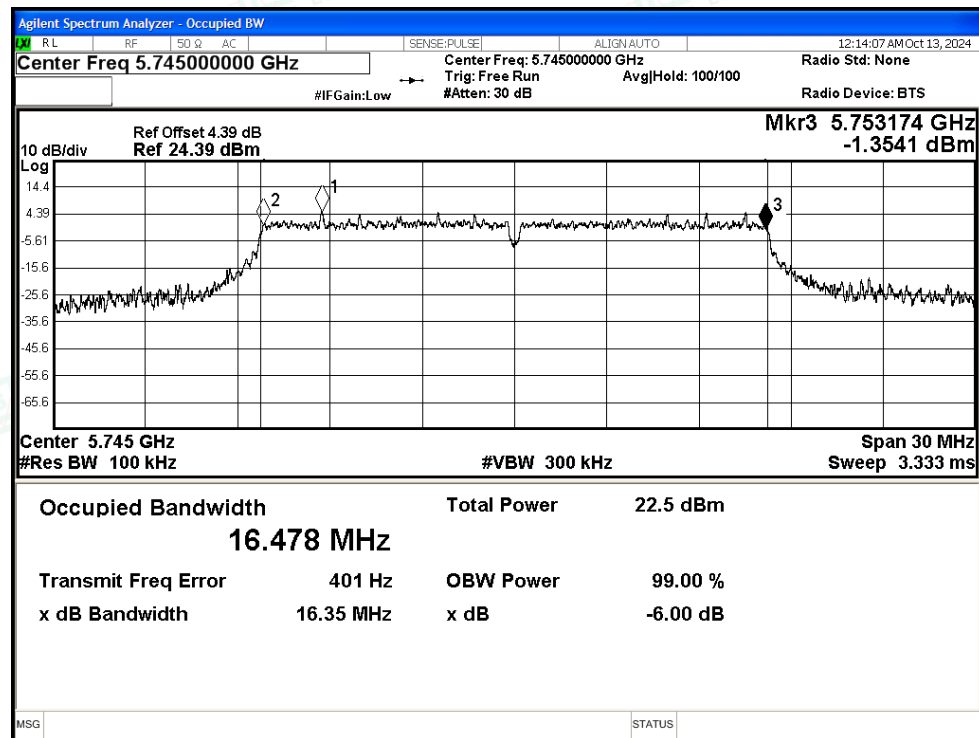
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant4	16.347	≥ 0.5	Pass
NVNT	a	5785	Ant4	16.325	≥ 0.5	Pass
NVNT	a	5825	Ant4	16.326	≥ 0.5	Pass
NVNT	n20	5745	Ant4	17.437	≥ 0.5	Pass
NVNT	n20	5785	Ant4	17.364	≥ 0.5	Pass
NVNT	n20	5825	Ant4	17.273	≥ 0.5	Pass
NVNT	n40	5755	Ant4	36.262	≥ 0.5	Pass
NVNT	n40	5795	Ant4	35.867	≥ 0.5	Pass
NVNT	ac20	5745	Ant4	17.528	≥ 0.5	Pass
NVNT	ac20	5785	Ant4	17.242	≥ 0.5	Pass
NVNT	ac20	5825	Ant4	17.39	≥ 0.5	Pass
NVNT	ac40	5755	Ant4	35.7	≥ 0.5	Pass
NVNT	ac40	5795	Ant4	35.58	≥ 0.5	Pass
NVNT	ac80	5775	Ant4	75.739	≥ 0.5	Pass
NVNT	ax20	5745	Ant4	17.533	≥ 0.5	Pass
NVNT	ax20	5785	Ant4	17.227	≥ 0.5	Pass
NVNT	ax20	5825	Ant4	17.414	≥ 0.5	Pass
NVNT	ax40	5755	Ant4	35.717	≥ 0.5	Pass
NVNT	ax40	5795	Ant4	36.136	≥ 0.5	Pass
NVNT	ax80	5775	Ant4	75.616	≥ 0.5	Pass



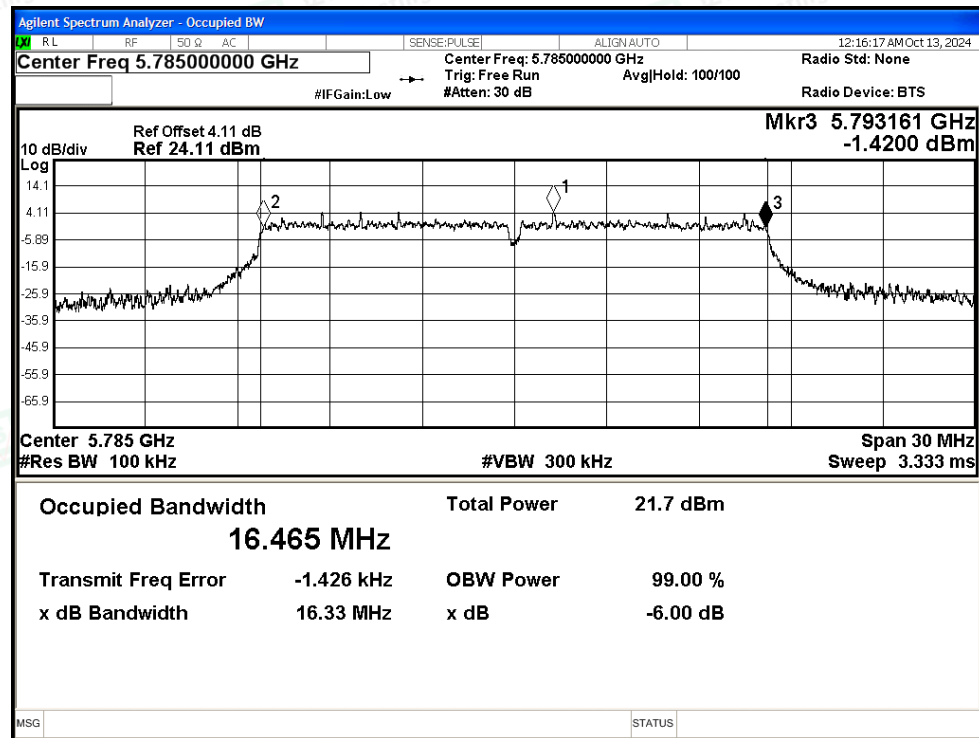


Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant4

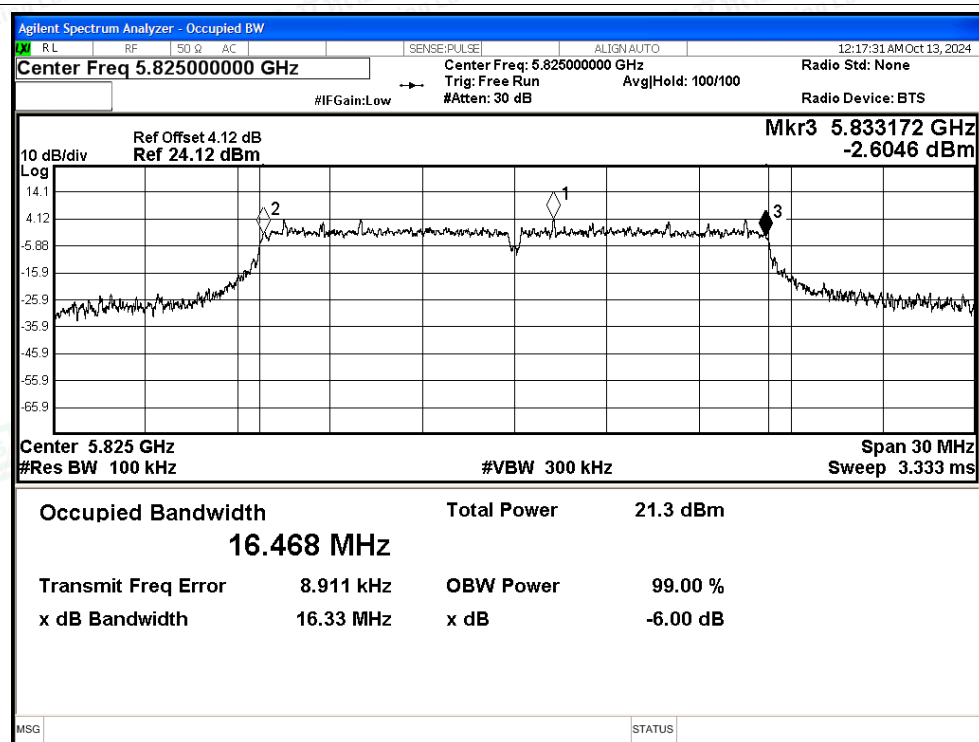


-6dB Bandwidth NVNT a 5785MHz Ant4

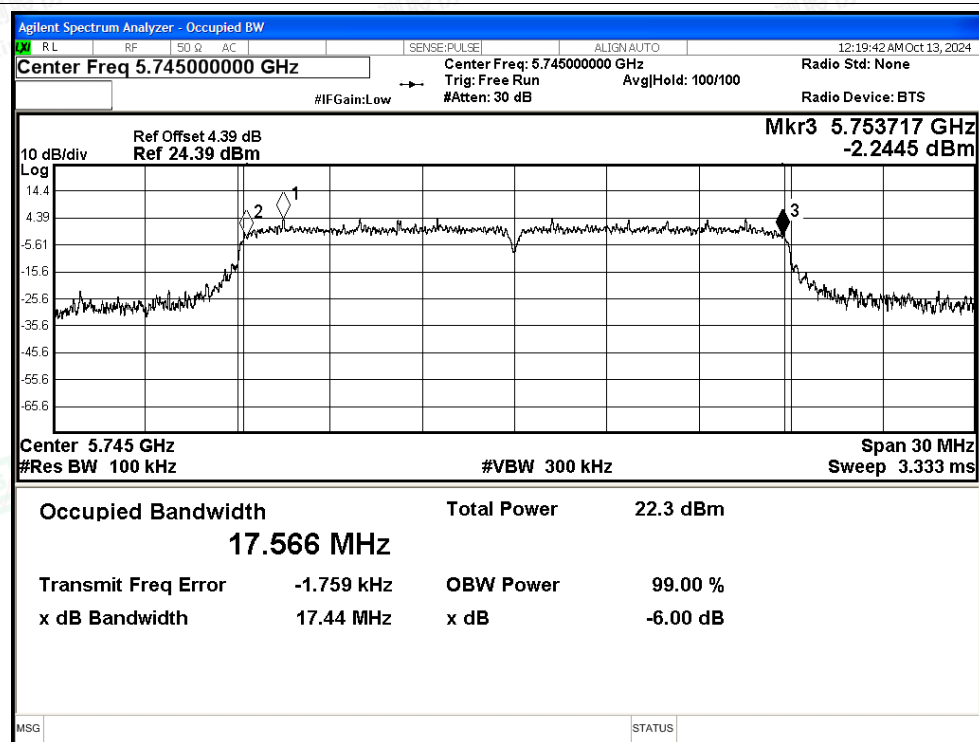




-6dB Bandwidth NVNT a 5825MHz Ant4

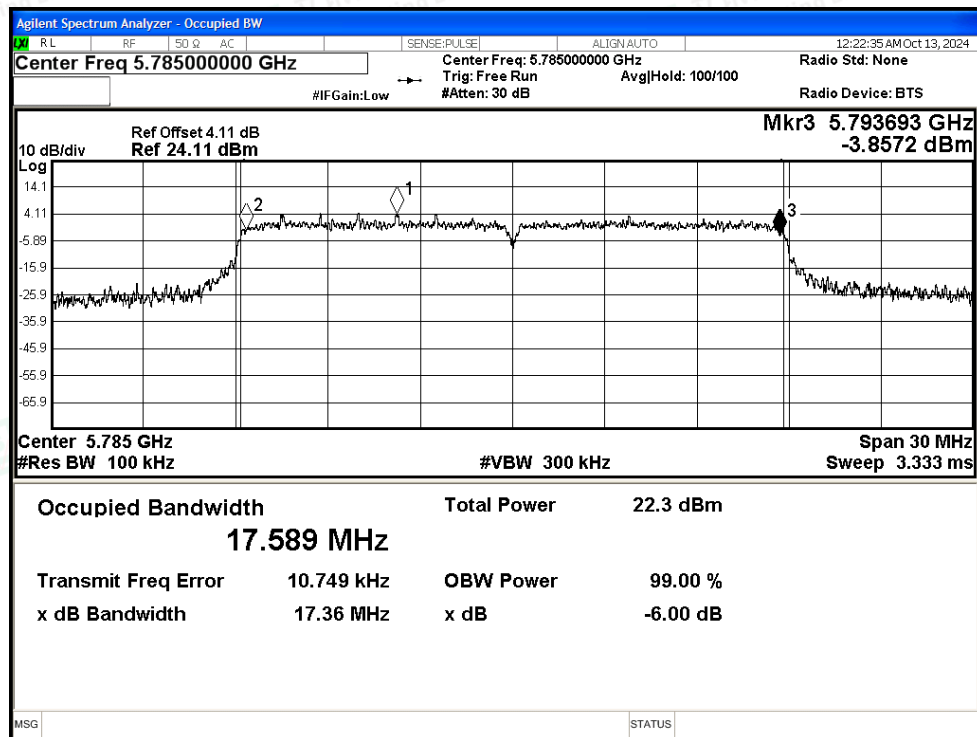


-6dB Bandwidth NVNT n20 5745MHz Ant4

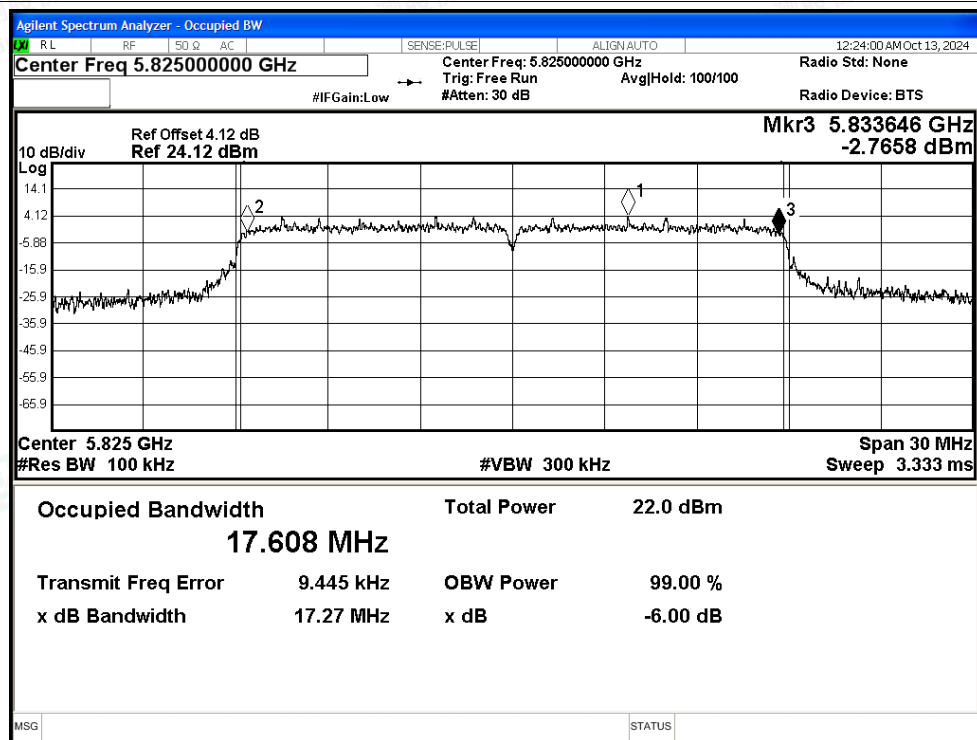




-6dB Bandwidth NVNT n20 5785MHz Ant4



-6dB Bandwidth NVNT n20 5825MHz Ant4



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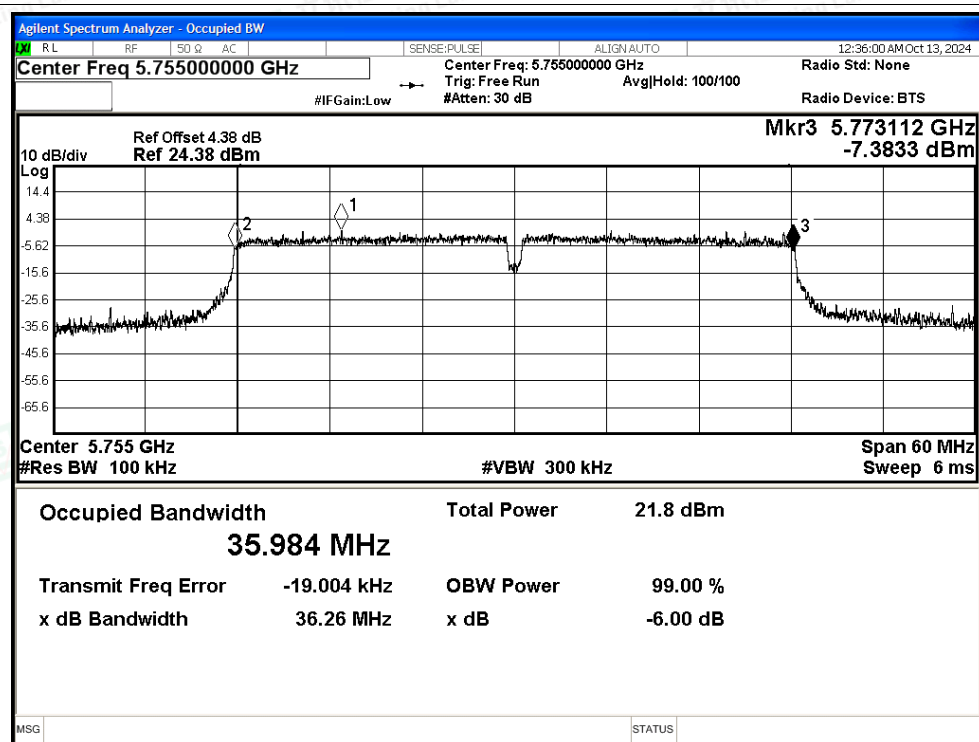
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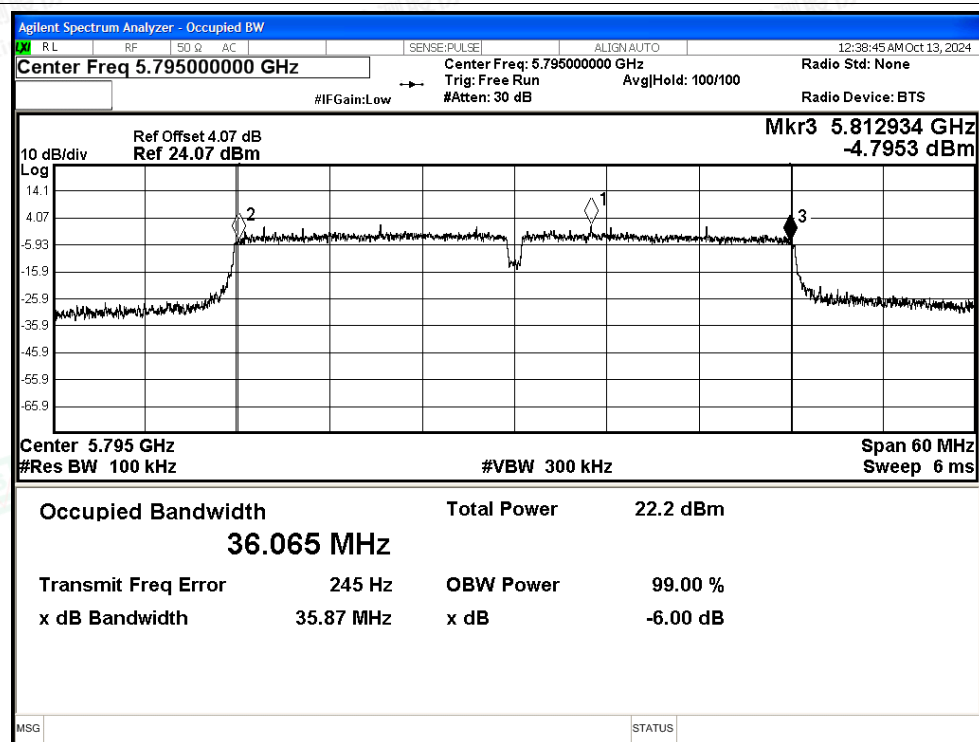
Scan code to check authenticity



-6dB Bandwidth NVNT n40 5755MHz Ant4



-6dB Bandwidth NVNT n40 5795MHz Ant4

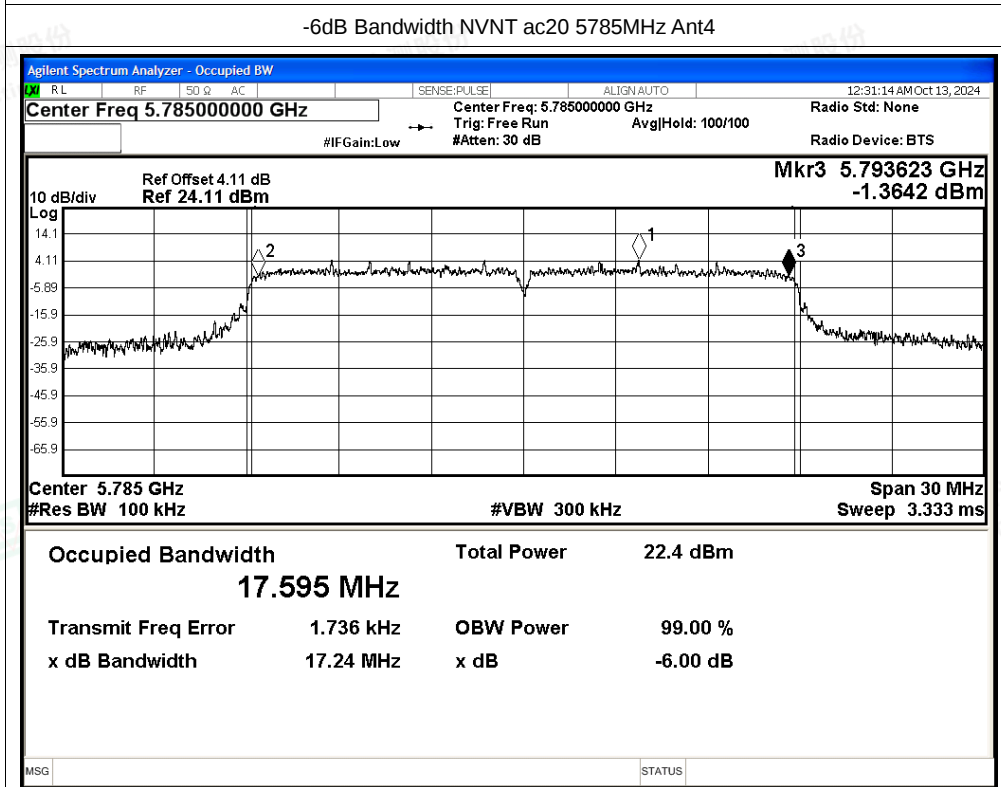
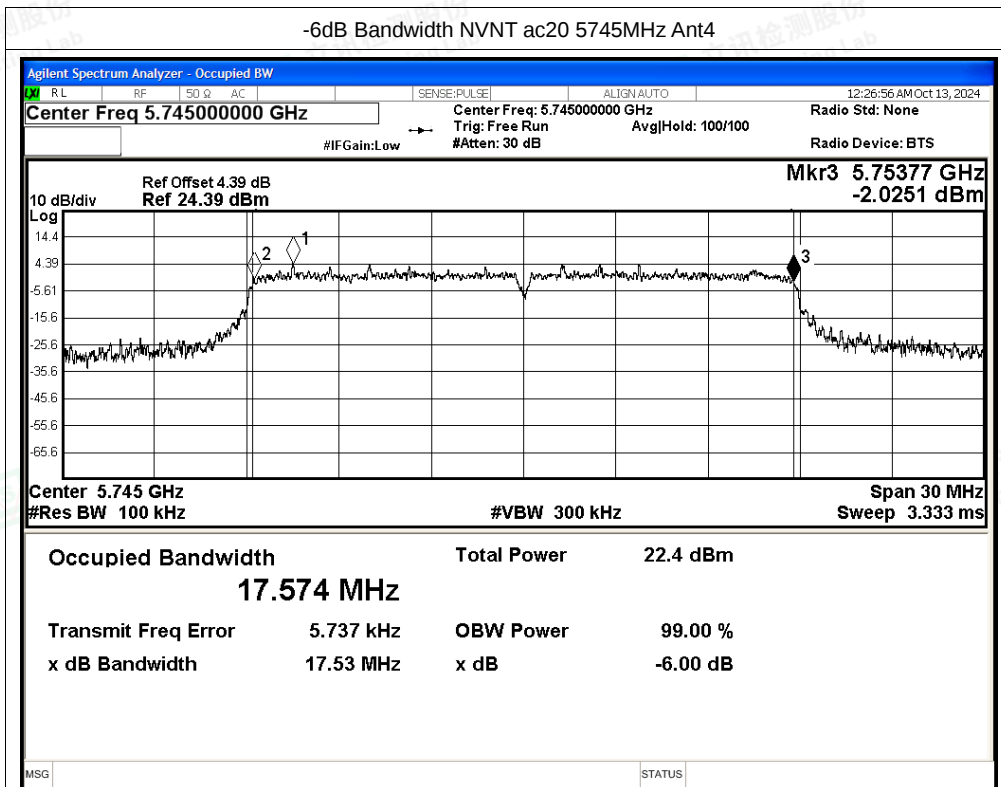


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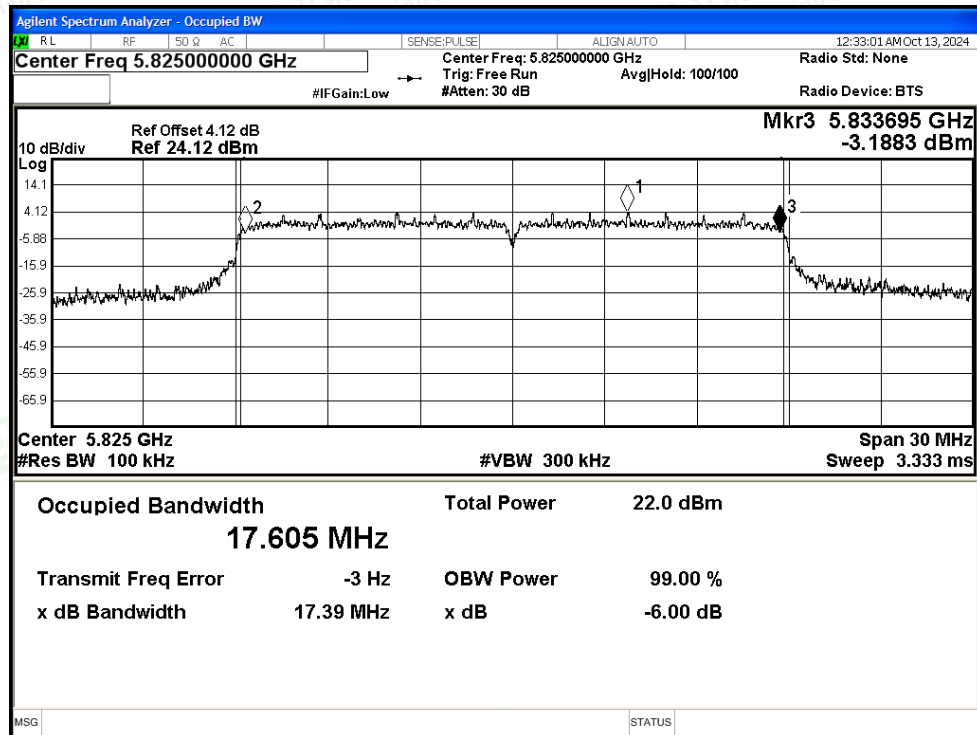
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

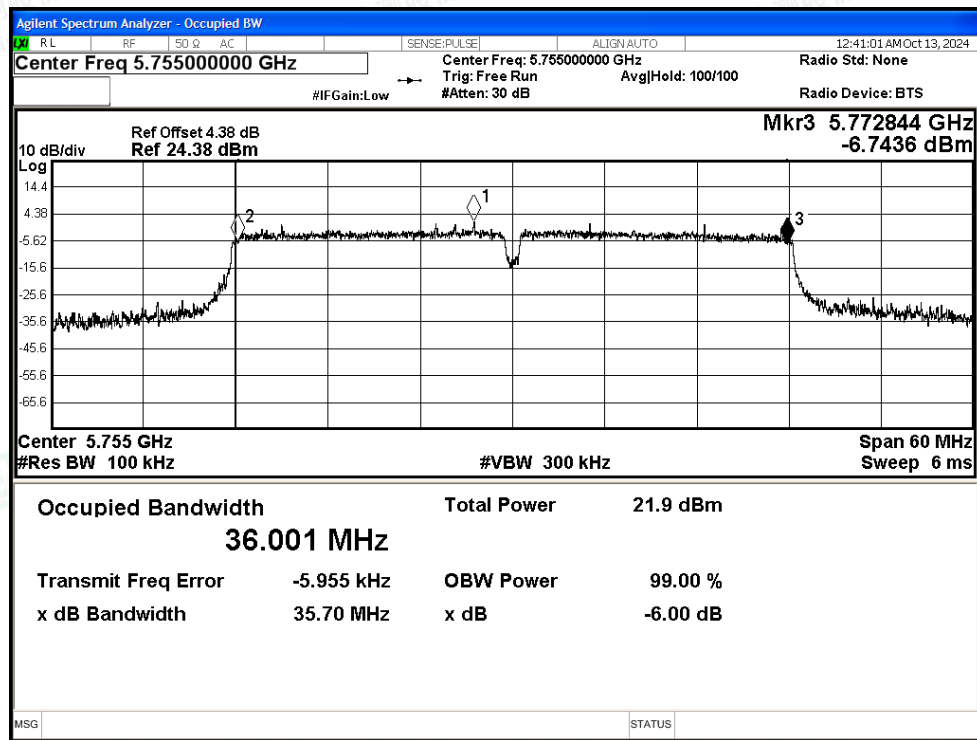




-6dB Bandwidth NVNT ac20 5825MHz Ant4

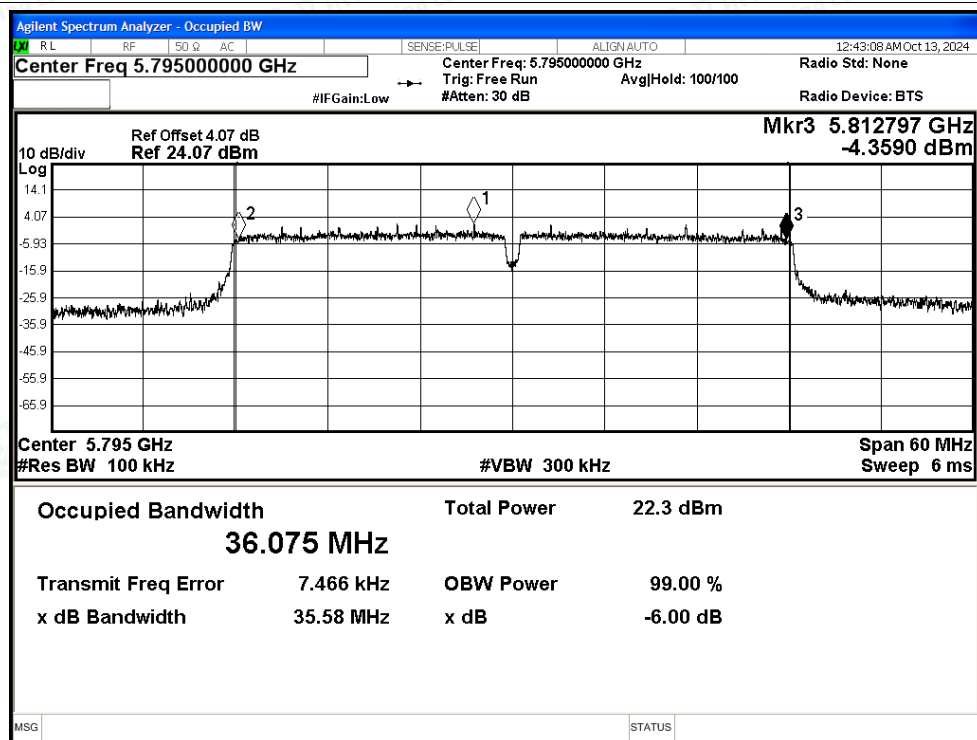


-6dB Bandwidth NVNT ac40 5755MHz Ant4

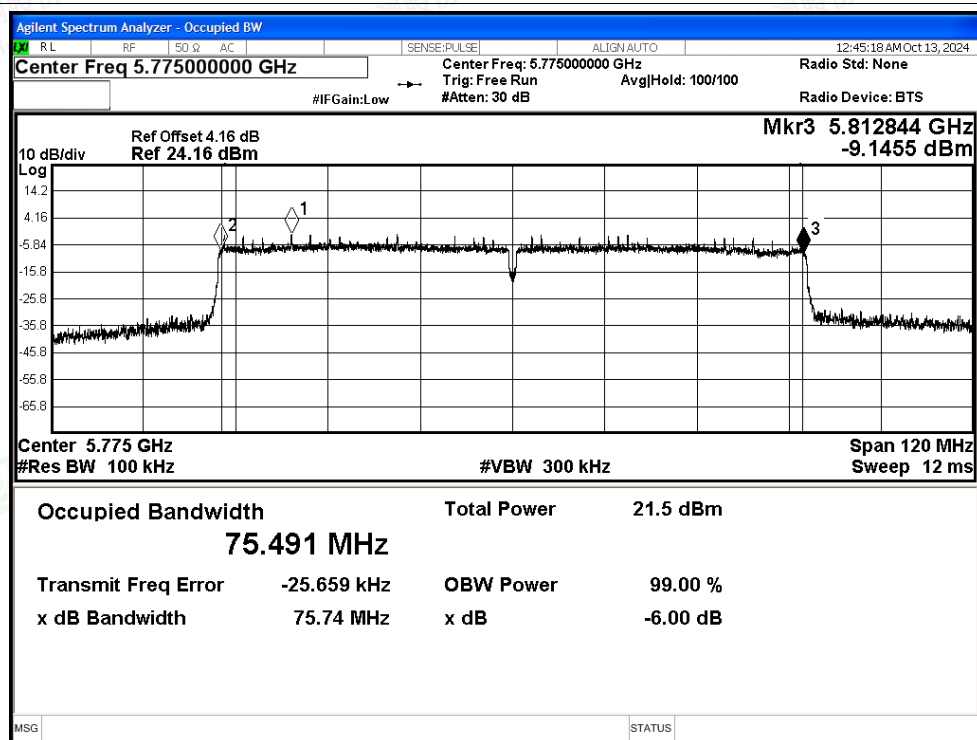




-6dB Bandwidth NVNT ac40 5795MHz Ant4

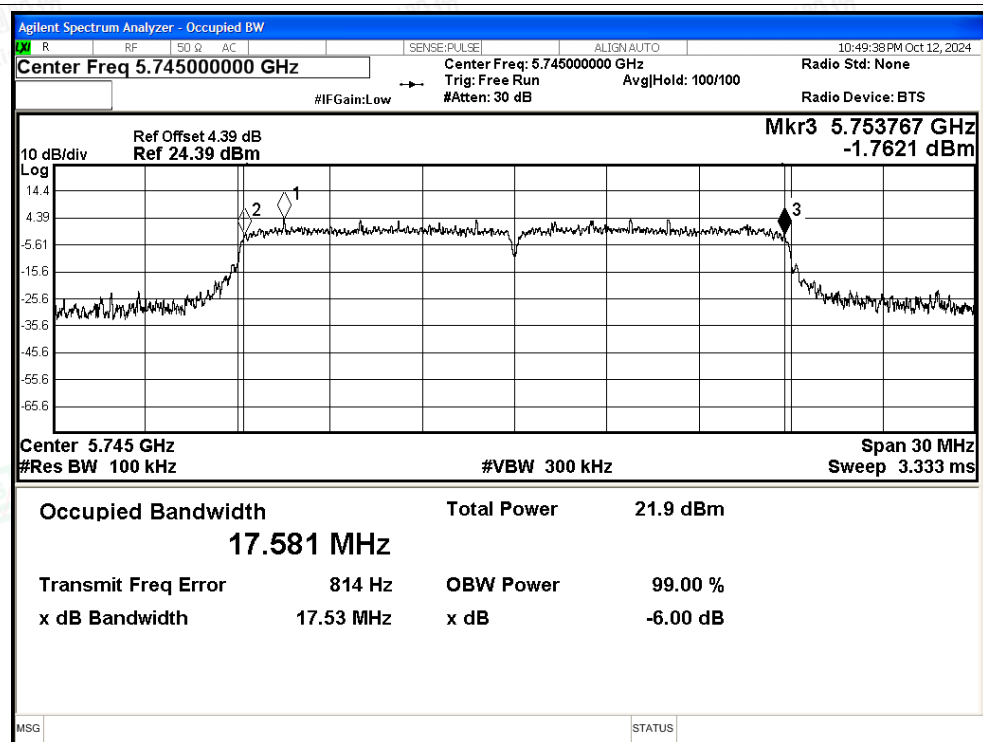


-6dB Bandwidth NVNT ac80 5775MHz Ant4

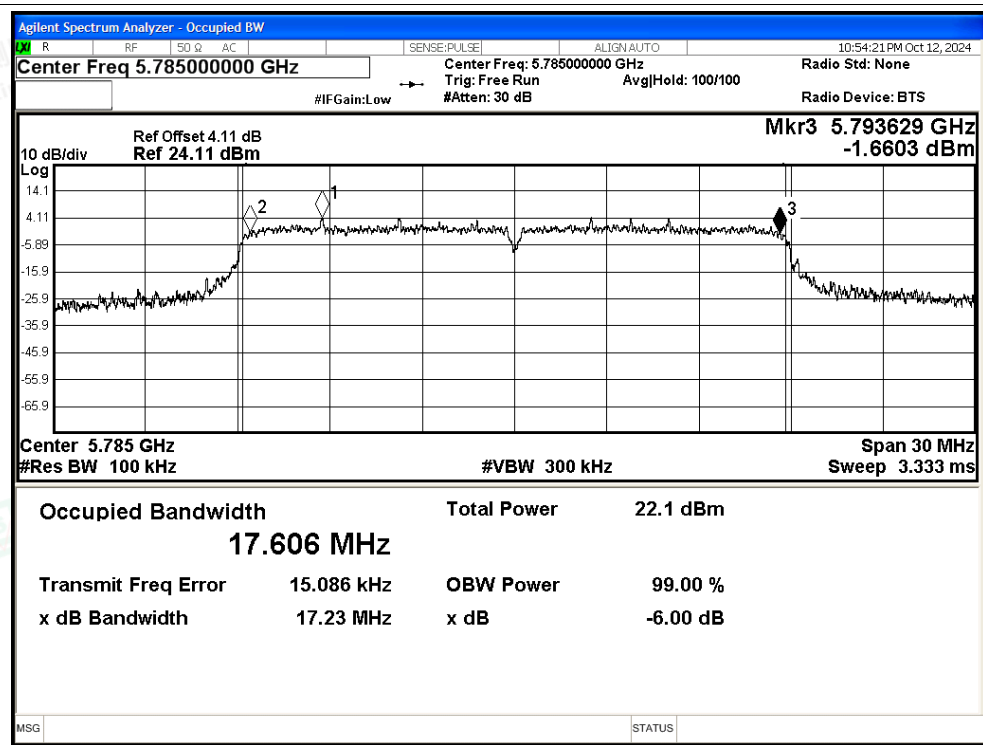


-6dB Bandwidth NVNT ax20 5745MHz Ant4



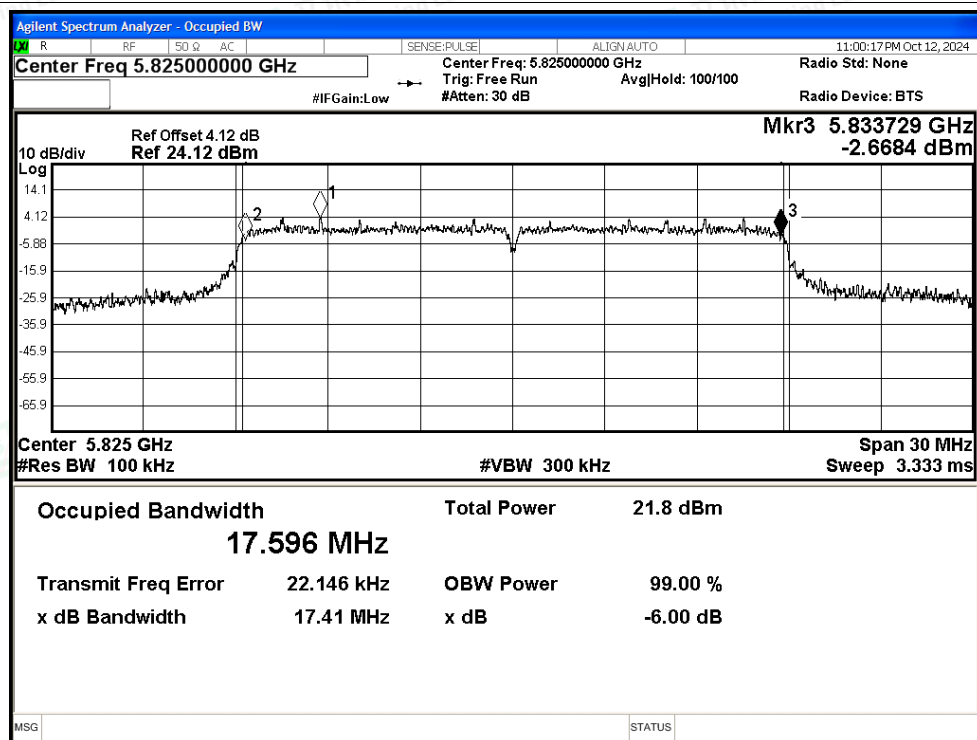


-6dB Bandwidth NVNT ax20 5785MHz Ant4

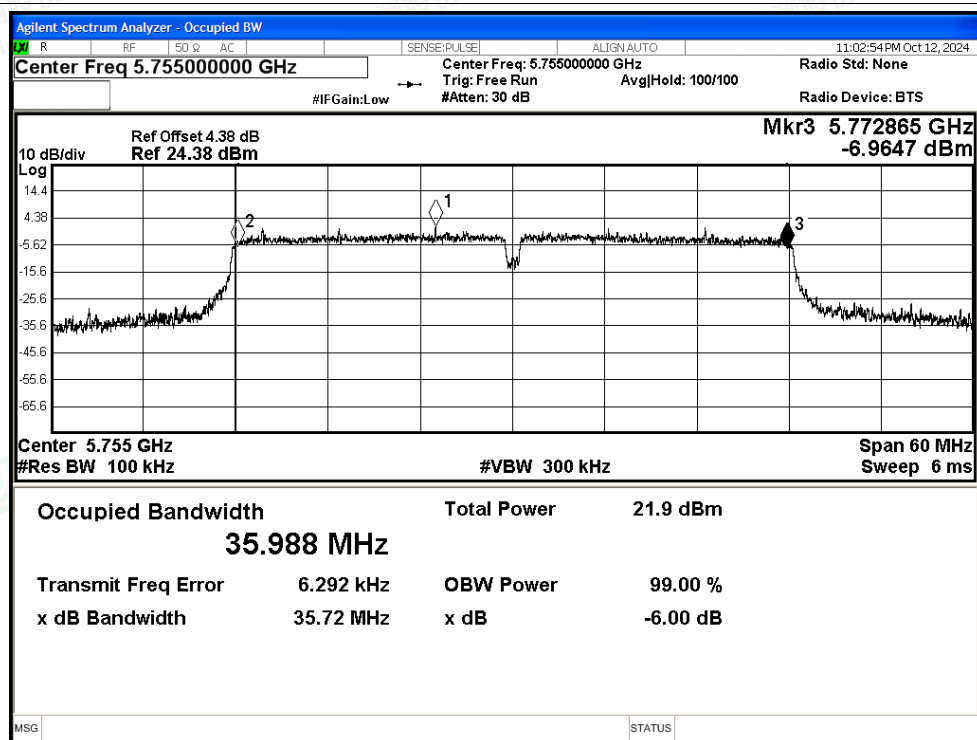




-6dB Bandwidth NVNT ax20 5825MHz Ant4

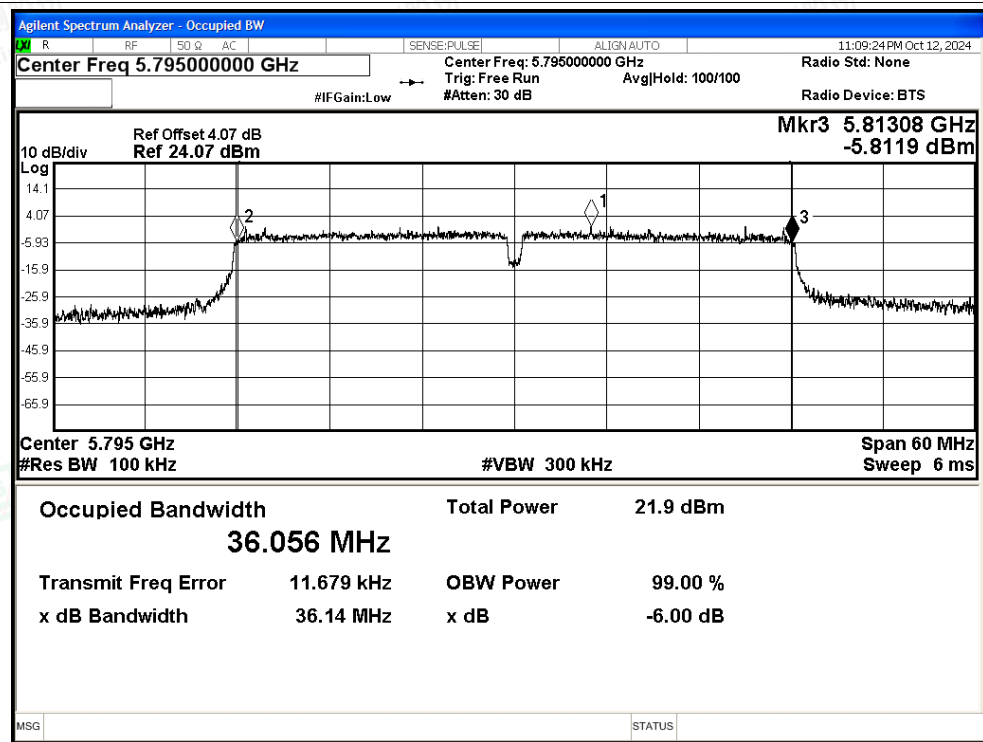


-6dB Bandwidth NVNT ax40 5755MHz Ant4

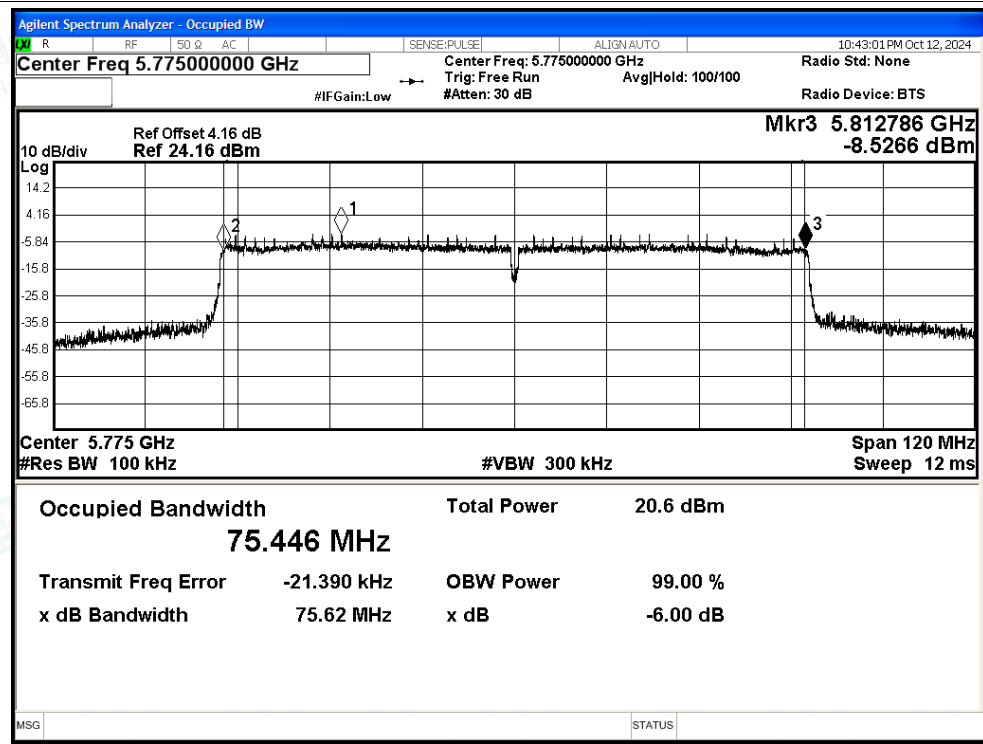


-6dB Bandwidth NVNT ax40 5795MHz Ant4





-6dB Bandwidth NVNT ax80 5775MHz Ant4





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	Ant3	16.49	0.24	16.73	30	Pass
NVNT	a	5785	Ant3	15.68	0.24	15.92	30	Pass
NVNT	a	5825	Ant3	15.29	0.24	15.53	30	Pass
NVNT	n20	5745	Ant3	15.92	0.28	16.20	30	Pass
NVNT	n20	5785	Ant3	15.87	0.28	16.15	30	Pass
NVNT	n20	5825	Ant3	15.52	0.28	15.80	30	Pass
NVNT	n40	5755	Ant3	16.81	0.12	16.93	30	Pass
NVNT	n40	5795	Ant3	15.83	0.12	15.95	30	Pass
NVNT	ac20	5745	Ant3	16.71	0.28	16.99	30	Pass
NVNT	ac20	5785	Ant3	15.84	0.28	16.12	30	Pass
NVNT	ac20	5825	Ant3	15.5	0.28	15.78	30	Pass
NVNT	ac40	5755	Ant3	16.74	0.12	16.86	30	Pass
NVNT	ac40	5795	Ant3	15.8	0.12	15.92	30	Pass
NVNT	ac80	5775	Ant3	14.52	0.25	14.77	30	Pass
NVNT	ax20	5745	Ant3	15.46	0.28	15.74	30	Pass
NVNT	ax20	5785	Ant3	15.94	0.28	16.22	30	Pass
NVNT	ax20	5825	Ant3	15.62	0.28	15.90	30	Pass
NVNT	ax40	5755	Ant3	15.6	0.12	15.72	30	Pass
NVNT	ax40	5795	Ant3	15.67	0.12	15.79	30	Pass
NVNT	ax80	5775	Ant3	14.54	0.25	14.79	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant4	16.51	0.24	16.75	30	Pass
NVNT	a	5785	Ant4	15.64	0.24	15.88	30	Pass
NVNT	a	5825	Ant4	15.3	0.24	15.54	30	Pass
NVNT	n20	5745	Ant4	15.86	0.28	16.14	30	Pass
NVNT	n20	5785	Ant4	15.92	0.28	16.20	30	Pass
NVNT	n20	5825	Ant4	15.55	0.28	15.83	30	Pass
NVNT	n40	5755	Ant4	15.48	0.12	15.60	30	Pass
NVNT	n40	5795	Ant4	15.5	0.12	15.62	30	Pass
NVNT	ac20	5745	Ant4	15.91	0.28	16.19	30	Pass
NVNT	ac20	5785	Ant4	15.95	0.28	16.23	30	Pass
NVNT	ac20	5825	Ant4	15.55	0.28	15.83	30	Pass
NVNT	ac40	5755	Ant4	15.54	0.12	15.66	30	Pass
NVNT	ac40	5795	Ant4	15.41	0.12	15.53	30	Pass
NVNT	ac80	5775	Ant4	14.66	0.25	14.91	30	Pass





NVNT	ax20	5745	Ant4	15.51	0.28	15.79	30	Pass
NVNT	ax20	5785	Ant4	15.81	0.28	16.09	30	Pass
NVNT	ax20	5825	Ant4	15.36	0.28	15.64	30	Pass
NVNT	ax40	5755	Ant4	15.59	0.12	15.71	30	Pass
NVNT	ax40	5795	Ant4	15.55	0.12	15.67	30	Pass
NVNT	ax80	5775	Ant4	13.75	0.25	14.00	30	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant3	Ant4	Ant3+Ant4		
NVNT	n20	5745	16.20	16.14	19.18	30	Pass
NVNT	n20	5785	16.15	16.20	19.19	30	Pass
NVNT	n20	5825	15.80	15.83	18.83	30	Pass
NVNT	n40	5755	16.93	15.60	19.33	30	Pass
NVNT	n40	5795	15.95	15.62	18.80	30	Pass
NVNT	ac20	5745	16.99	16.19	19.62	30	Pass
NVNT	ac20	5785	16.12	16.23	19.19	30	Pass
NVNT	ac20	5825	15.78	15.83	18.82	30	Pass
NVNT	ac40	5755	16.86	15.66	19.31	30	Pass
NVNT	ac40	5795	15.92	15.53	18.74	30	Pass
NVNT	ac80	5775	14.77	14.91	17.85	30	Pass
NVNT	ax20	5745	15.74	15.79	18.78	30	Pass
NVNT	ax20	5785	16.22	16.09	19.17	30	Pass
NVNT	ax20	5825	15.90	15.64	18.78	30	Pass
NVNT	ax40	5755	15.72	15.71	18.73	30	Pass
NVNT	ax40	5795	15.79	15.67	18.74	30	Pass
NVNT	ax80	5775	14.79	14.00	17.42	30	Pass





E.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/500KHz)	Duty Factor (dB)	Total PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
NVNT	a	5745	Ant3	2.81	0.24	3.05	30	Pass
NVNT	a	5785	Ant3	1.85	0.24	2.09	30	Pass
NVNT	a	5825	Ant3	1.86	0.24	2.10	30	Pass
NVNT	n20	5745	Ant3	2.2	0.28	2.48	30	Pass
NVNT	n20	5785	Ant3	1.98	0.28	2.26	30	Pass
NVNT	n20	5825	Ant3	1.71	0.28	1.99	30	Pass
NVNT	n40	5755	Ant3	0.11	0.12	0.23	30	Pass
NVNT	n40	5795	Ant3	-0.63	0.12	-0.51	30	Pass
NVNT	ac20	5745	Ant3	2.69	0.28	2.97	30	Pass
NVNT	ac20	5785	Ant3	2.48	0.28	2.76	30	Pass
NVNT	ac20	5825	Ant3	1.72	0.28	2.00	30	Pass
NVNT	ac40	5755	Ant3	0.03	0.12	0.15	30	Pass
NVNT	ac40	5795	Ant3	-0.9	0.12	-0.78	30	Pass
NVNT	ac80	5775	Ant3	-4.89	0.25	-4.64	30	Pass
NVNT	ax20	5745	Ant3	1.96	0.28	2.24	30	Pass
NVNT	ax20	5785	Ant3	2.11	0.28	2.39	30	Pass
NVNT	ax20	5825	Ant3	1.8	0.28	2.08	30	Pass
NVNT	ax40	5755	Ant3	-0.99	0.12	-0.87	30	Pass
NVNT	ax40	5795	Ant3	-1.11	0.12	-0.99	30	Pass
NVNT	ax80	5775	Ant3	-5.1	0.25	-4.85	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/500KHz)	Duty Factor (dB)	Total PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
NVNT	a	5745	Ant4	3.08	0.24	3.32	30	Pass
NVNT	a	5785	Ant4	2.01	0.24	2.25	30	Pass
NVNT	a	5825	Ant4	1.58	0.24	1.82	30	Pass
NVNT	n20	5745	Ant4	2	0.28	2.28	30	Pass
NVNT	n20	5785	Ant4	1.94	0.28	2.22	30	Pass
NVNT	n20	5825	Ant4	1.98	0.28	2.26	30	Pass
NVNT	n40	5755	Ant4	-1.17	0.12	-1.05	30	Pass
NVNT	n40	5795	Ant4	-1.02	0.12	-0.90	30	Pass
NVNT	ac20	5745	Ant4	1.96	0.28	2.24	30	Pass
NVNT	ac20	5785	Ant4	2.28	0.28	2.56	30	Pass
NVNT	ac20	5825	Ant4	1.69	0.28	1.97	30	Pass
NVNT	ac40	5755	Ant4	-1.18	0.12	-1.06	30	Pass
NVNT	ac40	5795	Ant4	-0.74	0.12	-0.62	30	Pass
NVNT	ac80	5775	Ant4	-4.89	0.25	-4.64	30	Pass





NVNT	ax20	5745	Ant4	1.58	0.28	1.86	30	Pass
NVNT	ax20	5785	Ant4	1.99	0.28	2.27	30	Pass
NVNT	ax20	5825	Ant4	1.65	0.28	1.93	30	Pass
NVNT	ax40	5755	Ant4	-1.17	0.12	-1.05	30	Pass
NVNT	ax40	5795	Ant4	-1.18	0.12	-1.06	30	Pass
NVNT	ax80	5775	Ant4	-6.08	0.25	-5.83	30	Pass

MIMO

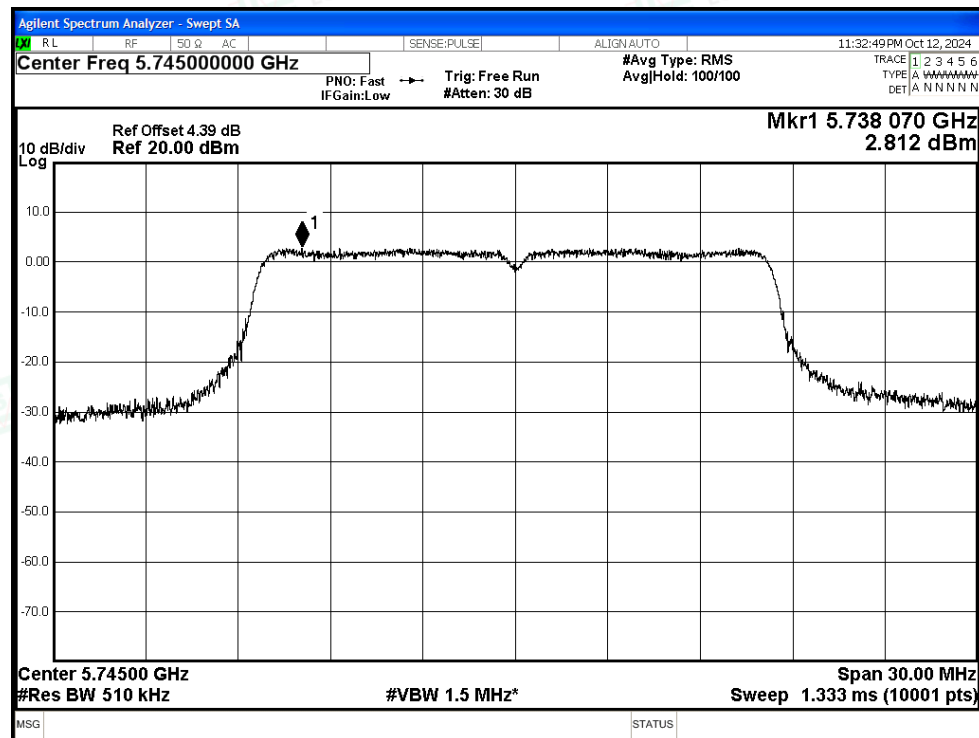
Condition	Mode	Frequency (MHz)	Total PSD (dBm/500KHz)			Limit (dBm/500KHz)	Verdict
			Ant3	Ant4	Ant3+Ant4		
NVNT	n20	5745	2.48	2.28	5.39	27.77	Pass
NVNT	n20	5785	2.26	2.22	5.25	27.77	Pass
NVNT	n20	5825	1.99	2.26	5.14	27.77	Pass
NVNT	n40	5755	0.23	-1.05	2.65	27.77	Pass
NVNT	n40	5795	-0.51	-0.90	2.31	27.77	Pass
NVNT	ac20	5745	2.97	2.24	5.63	27.77	Pass
NVNT	ac20	5785	2.76	2.56	5.67	27.77	Pass
NVNT	ac20	5825	2.00	1.97	5.00	27.77	Pass
NVNT	ac40	5755	0.15	-1.06	2.60	27.77	Pass
NVNT	ac40	5795	-0.78	-0.62	2.31	27.77	Pass
NVNT	ac80	5775	-4.64	-4.64	-1.63	27.77	Pass
NVNT	ax20	5745	2.24	1.86	5.06	27.77	Pass
NVNT	ax20	5785	2.39	2.27	5.34	27.77	Pass
NVNT	ax20	5825	2.08	1.93	5.02	27.77	Pass
NVNT	ax40	5755	-0.87	-1.05	2.05	27.77	Pass
NVNT	ax40	5795	-0.99	-1.06	1.99	27.77	Pass
NVNT	ax80	5775	-4.85	-5.83	-2.30	27.77	Pass



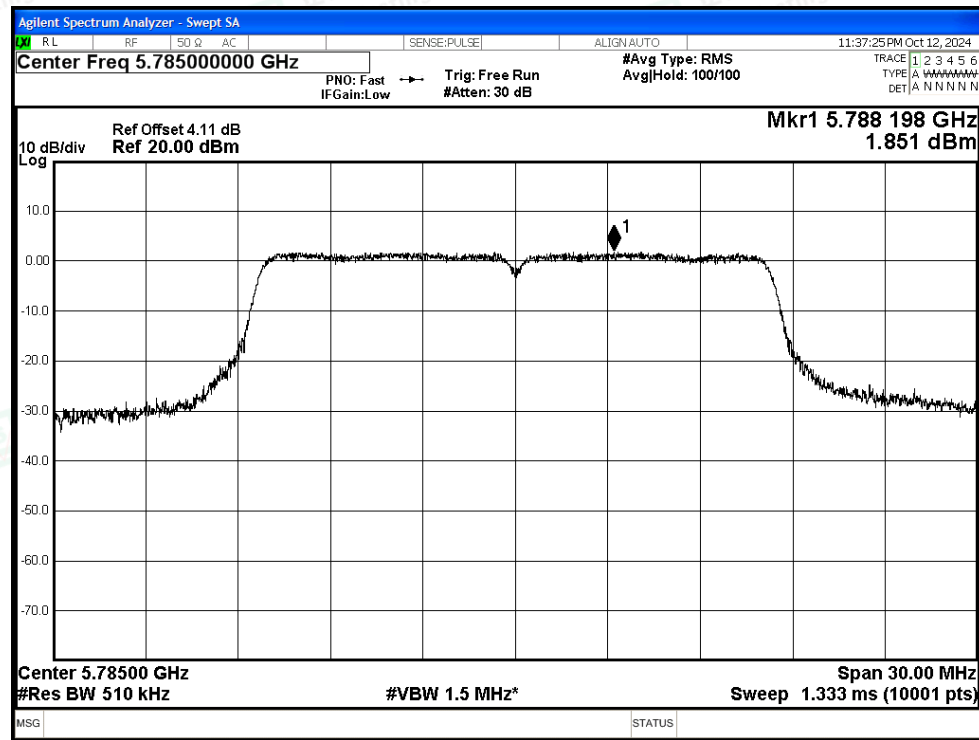


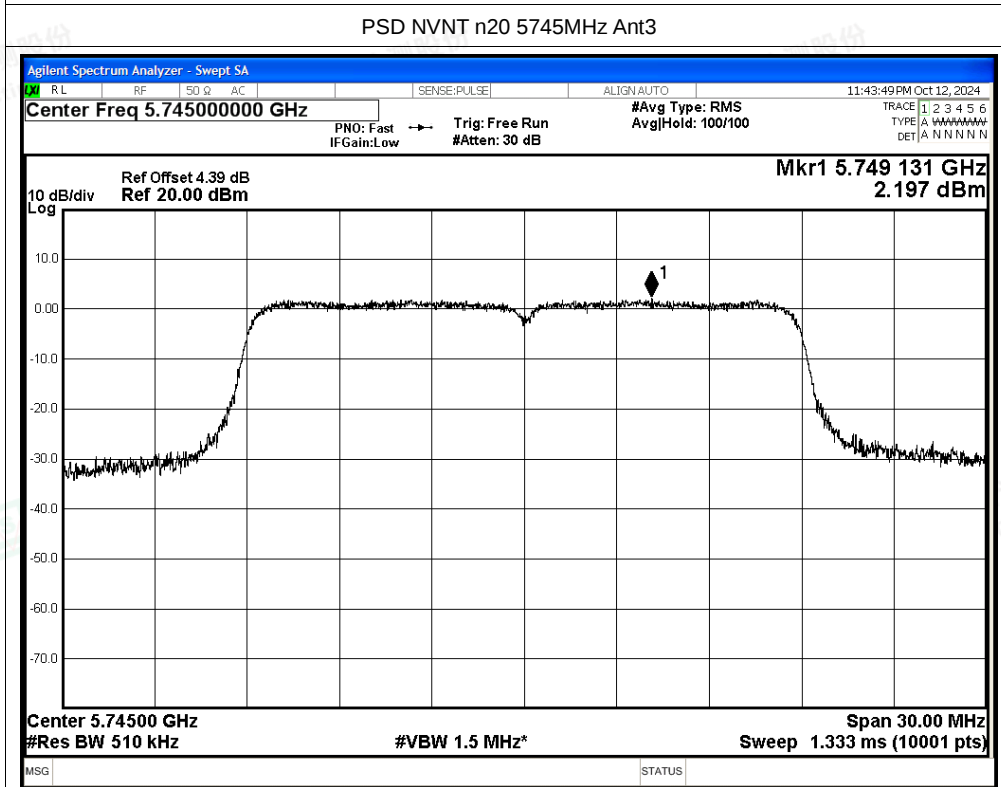
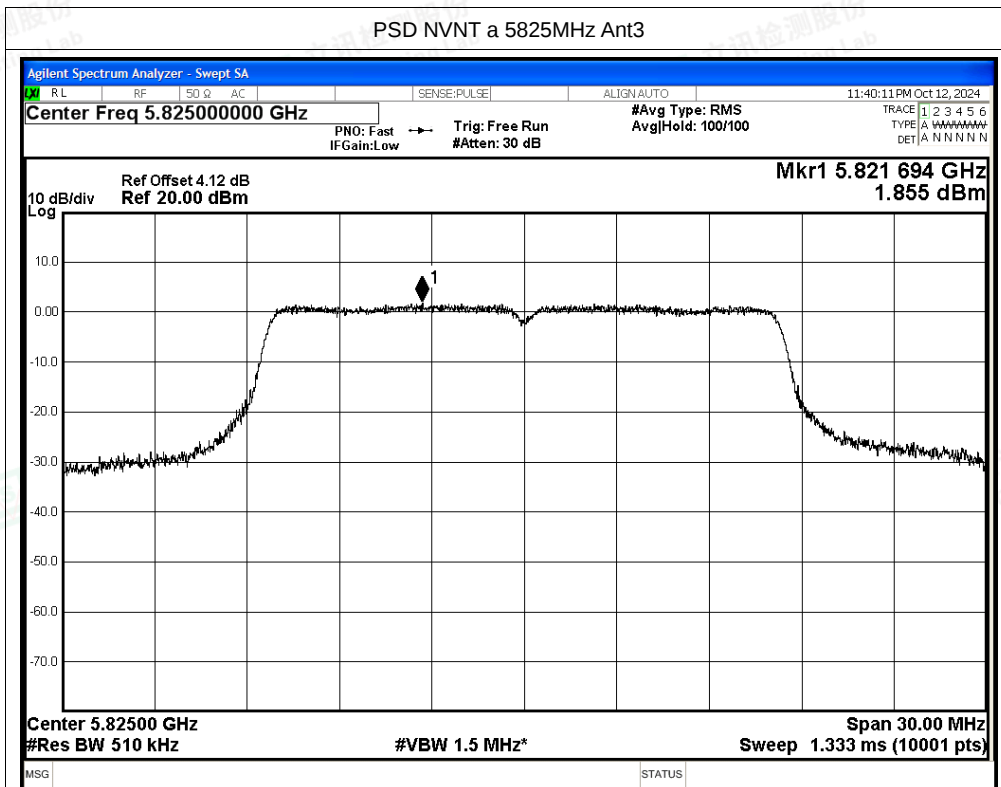
Test Graphs

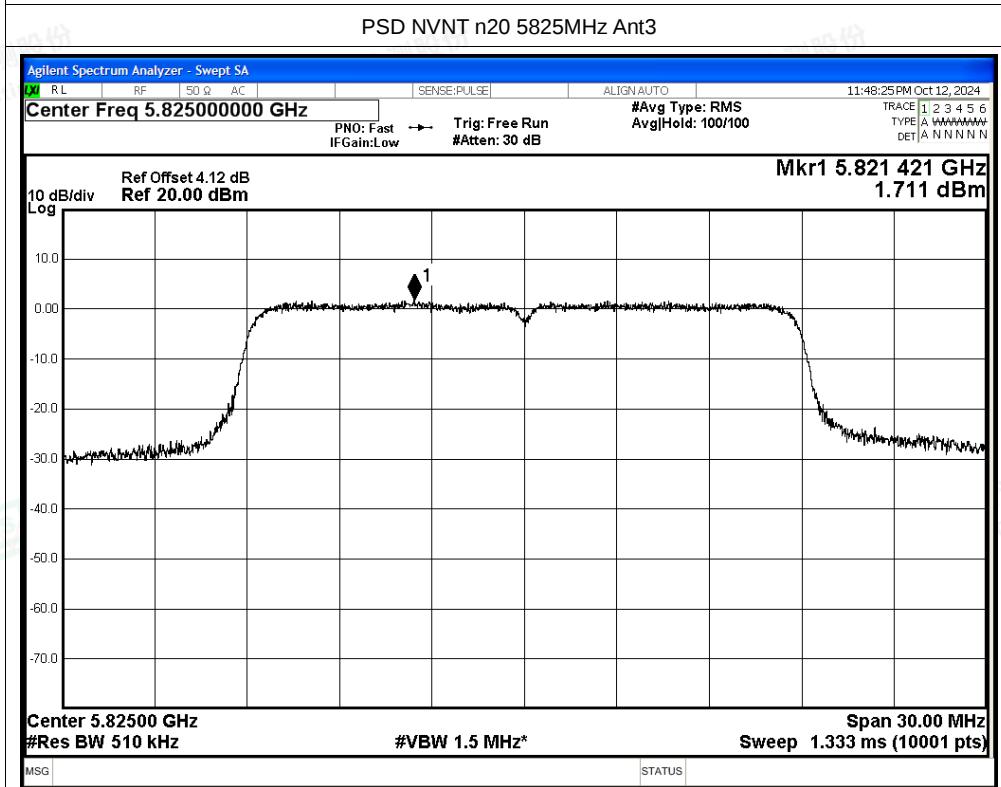
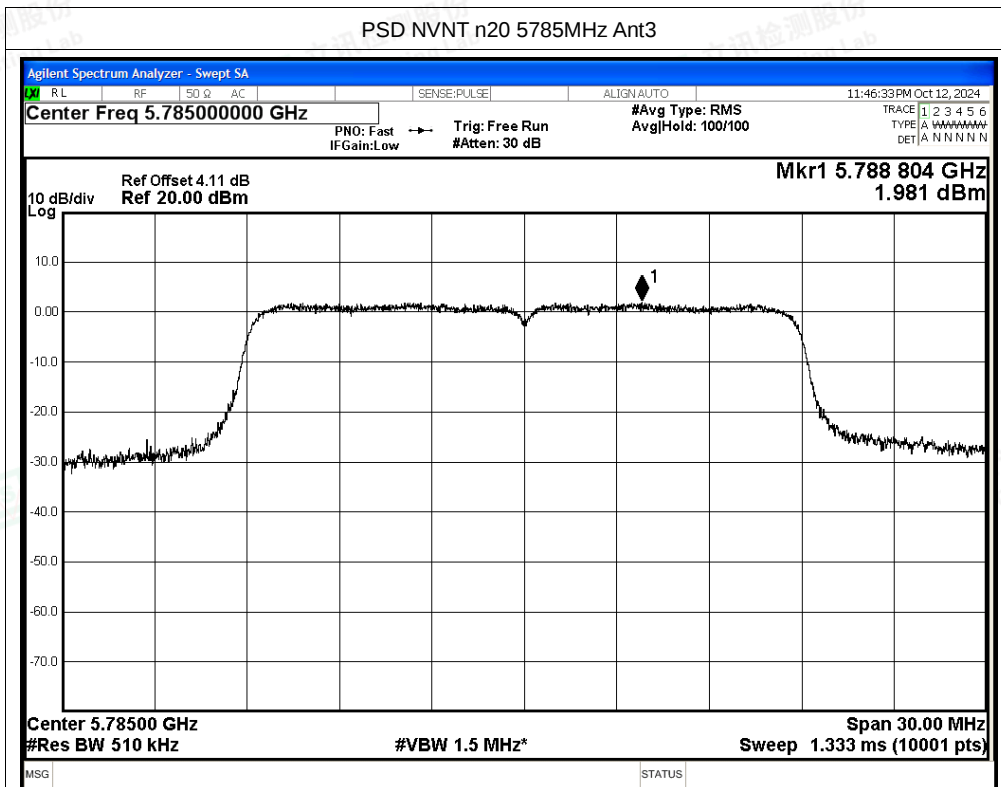
PSD NVNT a 5745MHz Ant3

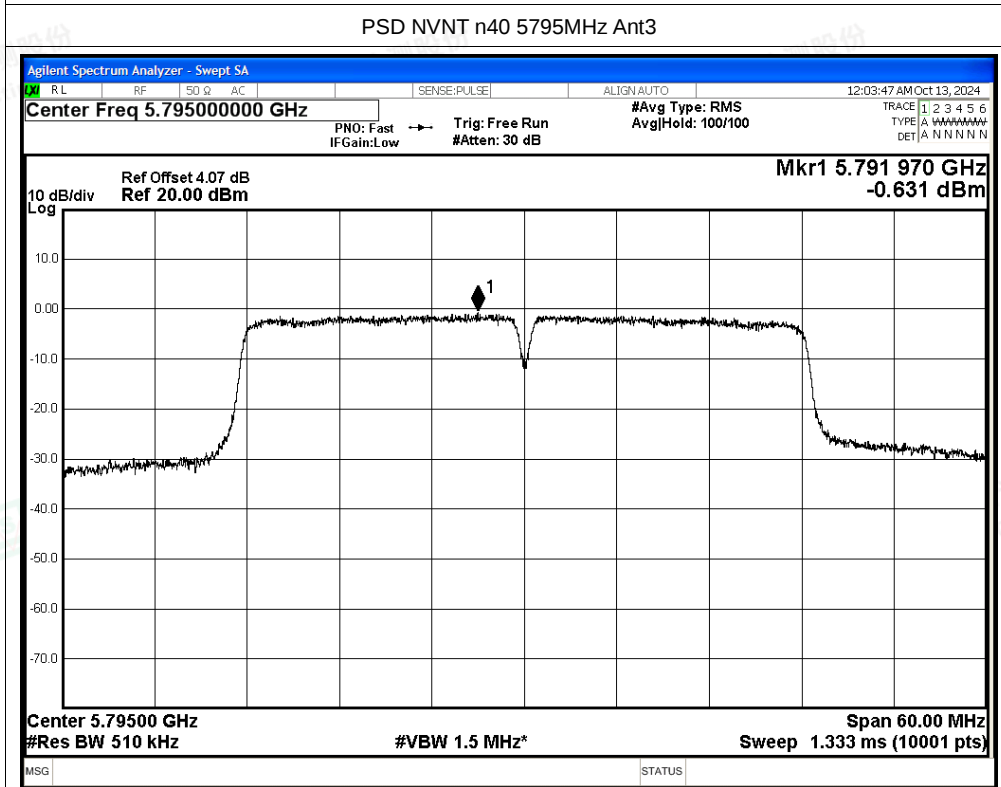
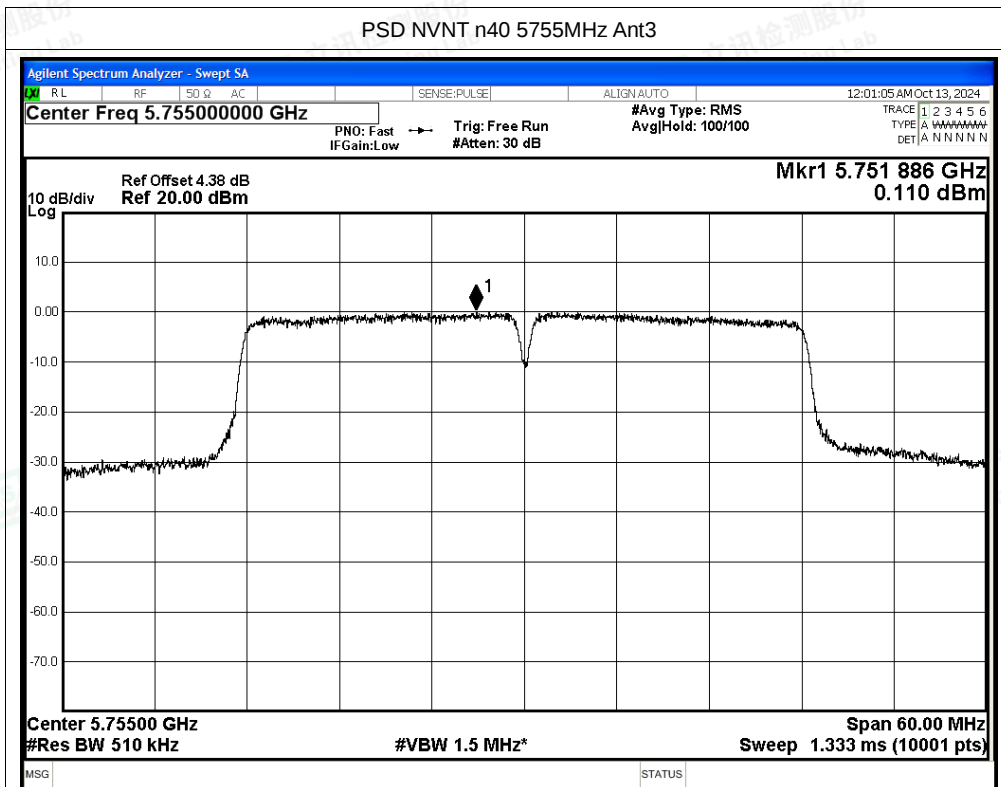


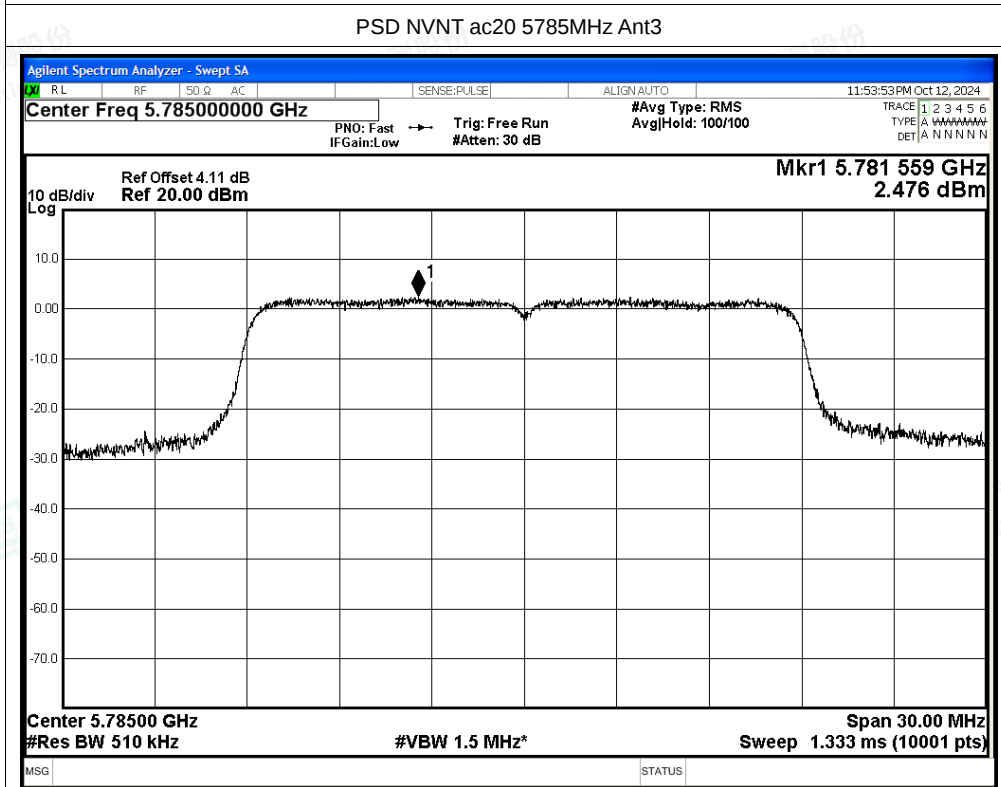
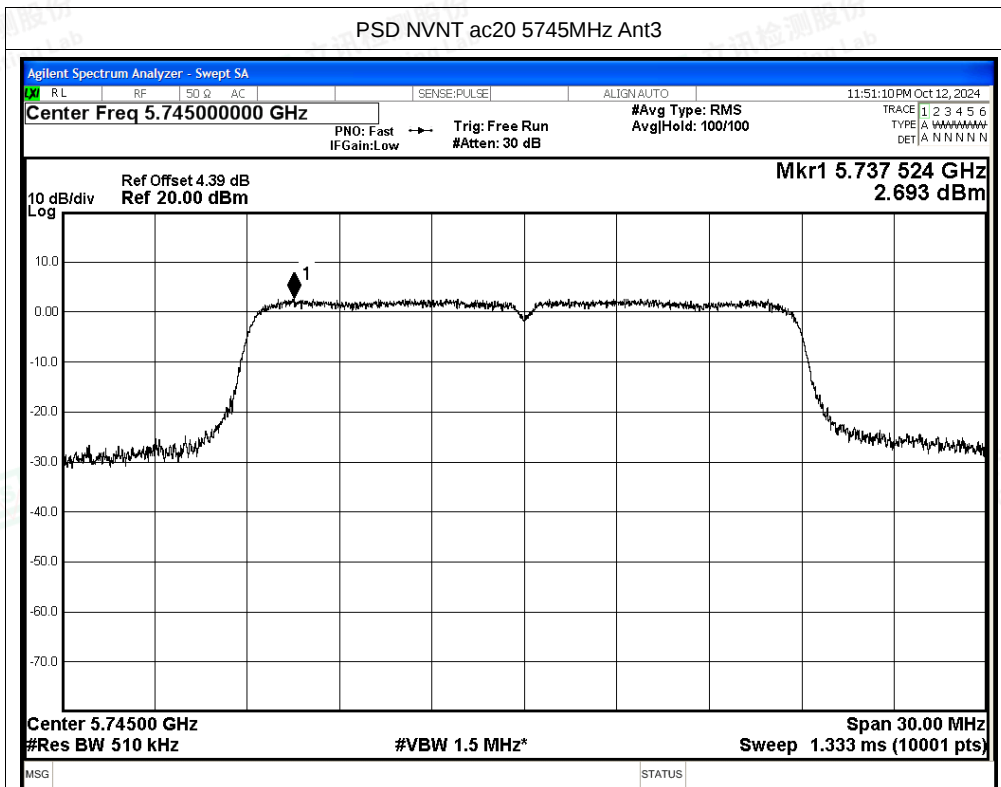
PSD NVNT a 5785MHz Ant3

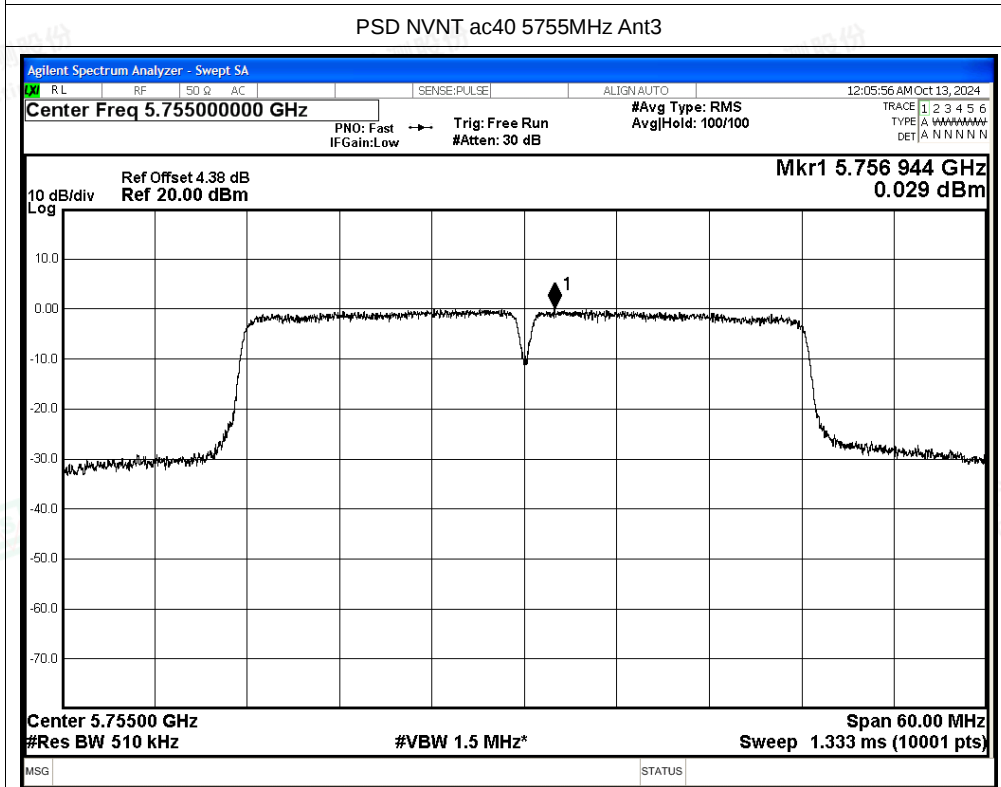
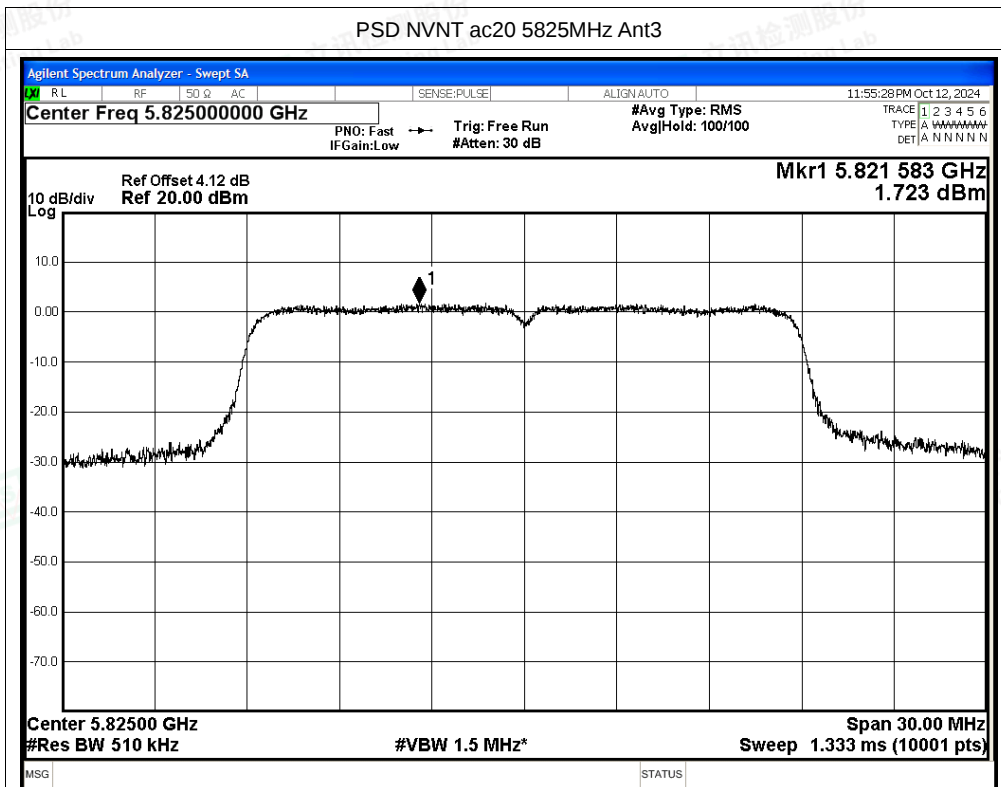


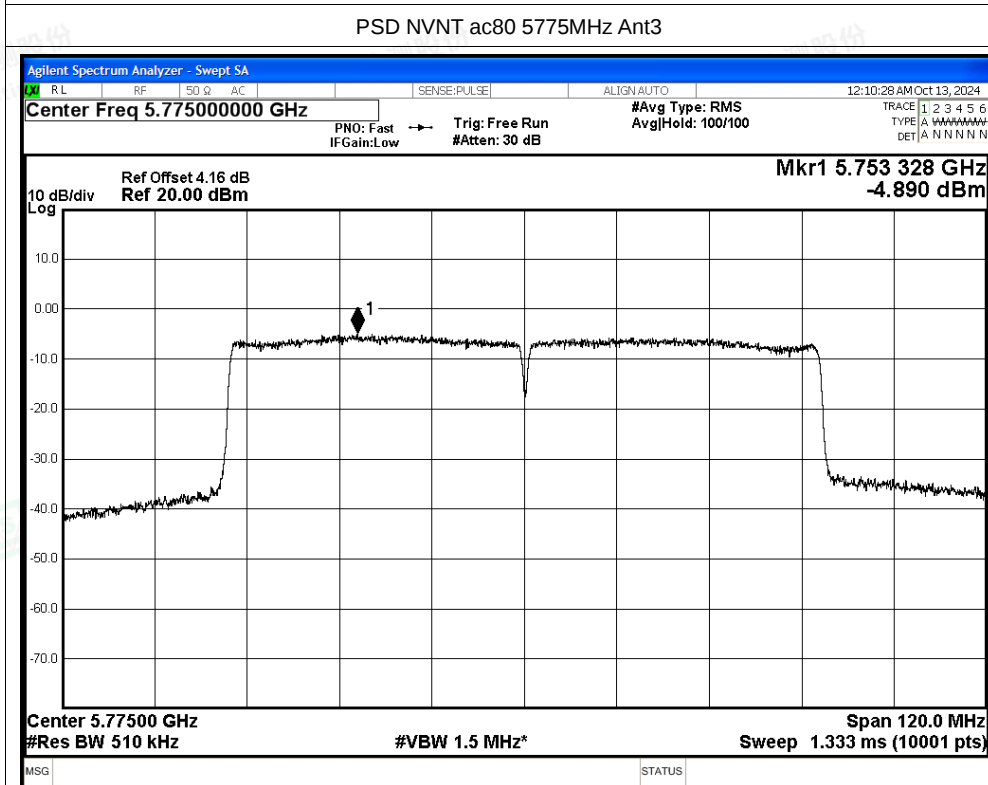
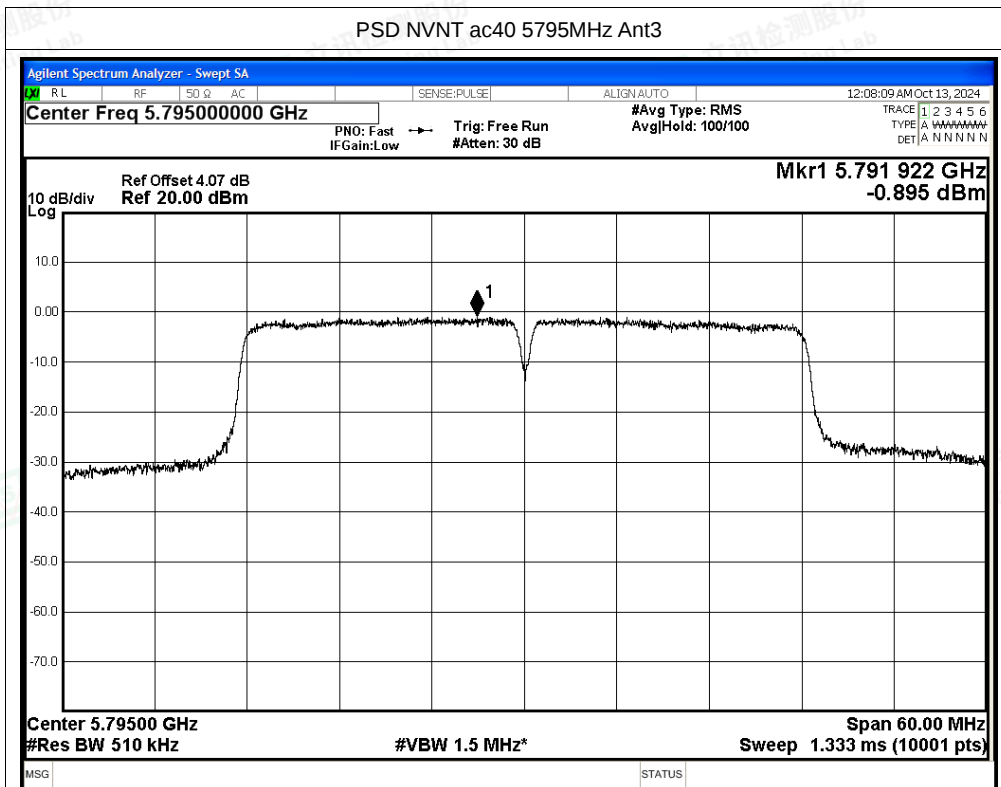






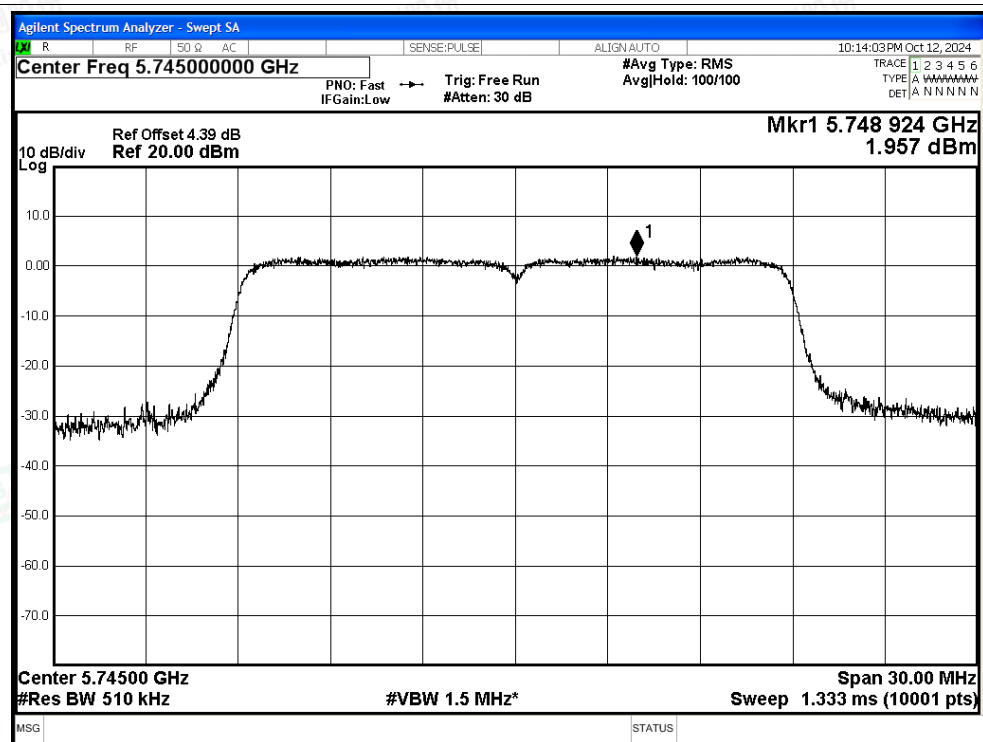




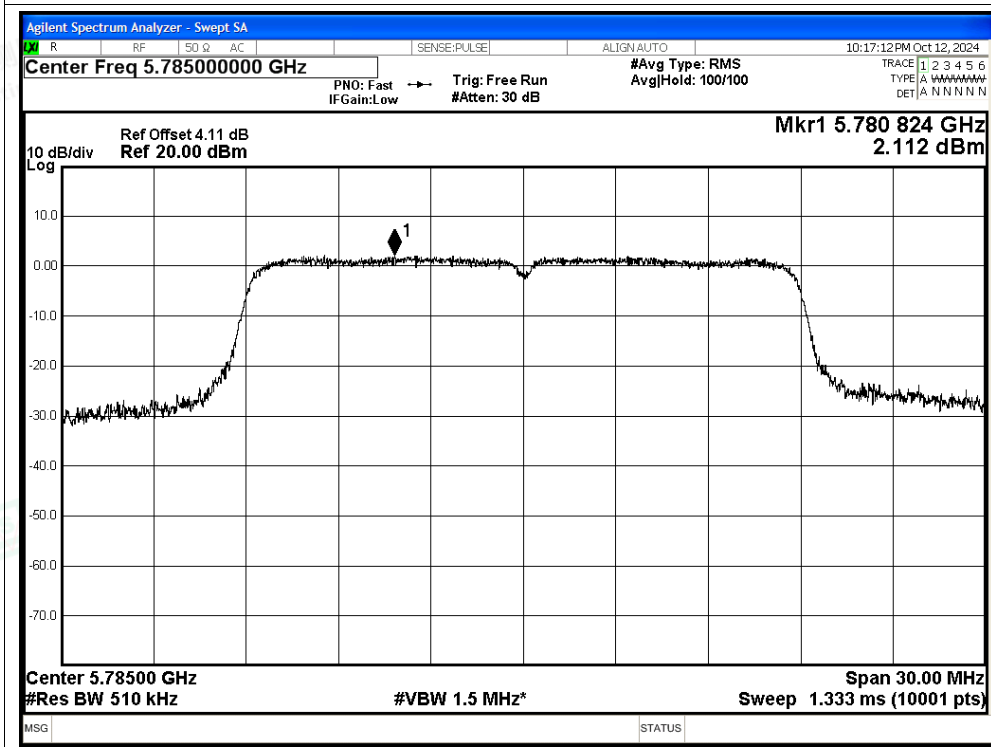


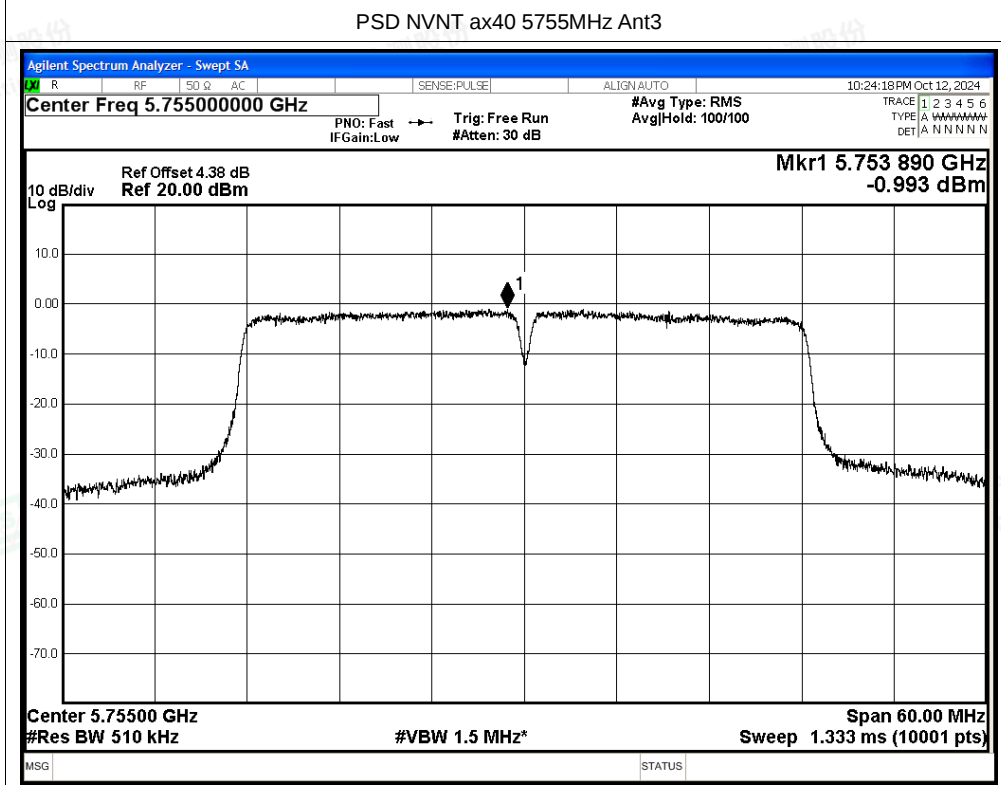
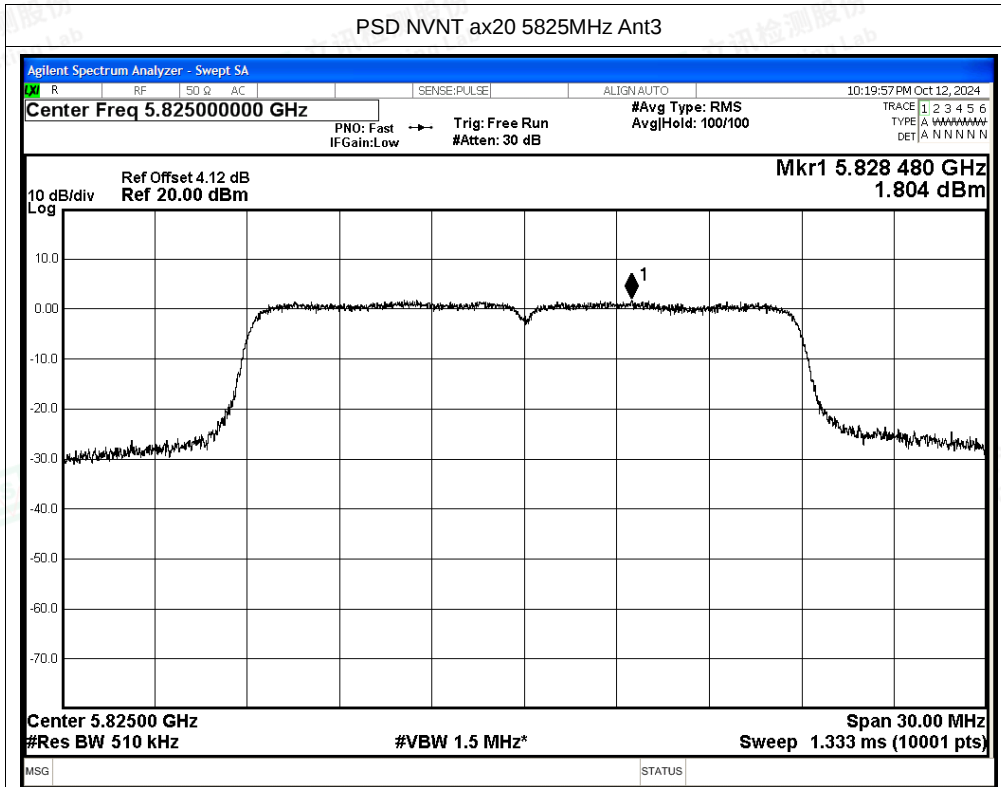
PSD NVNT ax20 5745MHz Ant3





PSD NVNT ax20 5785MHz Ant3

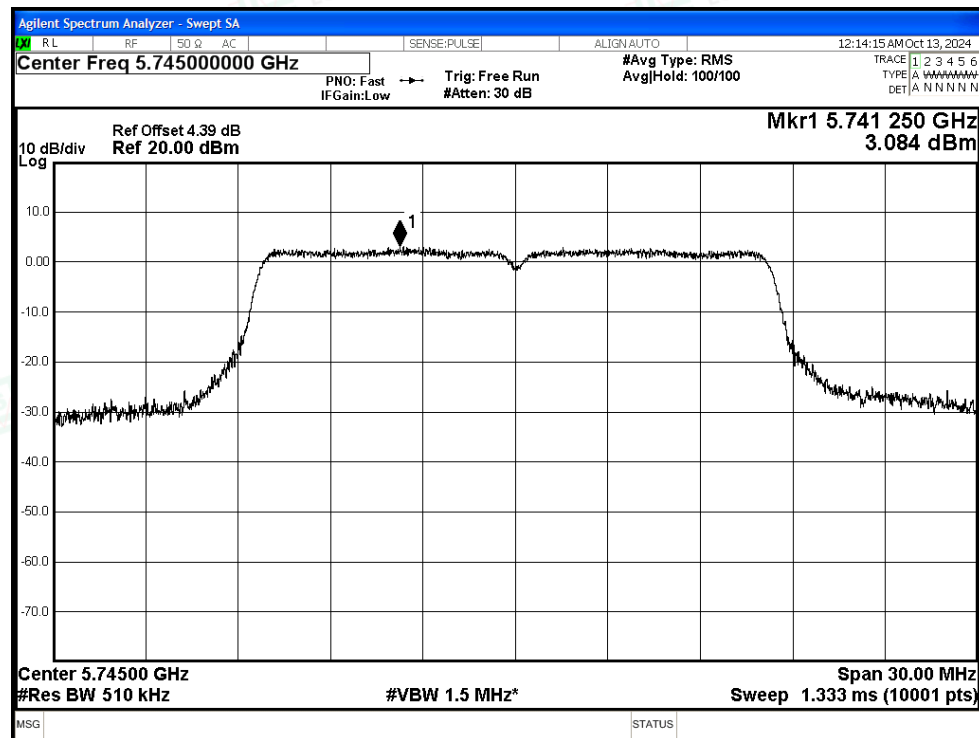




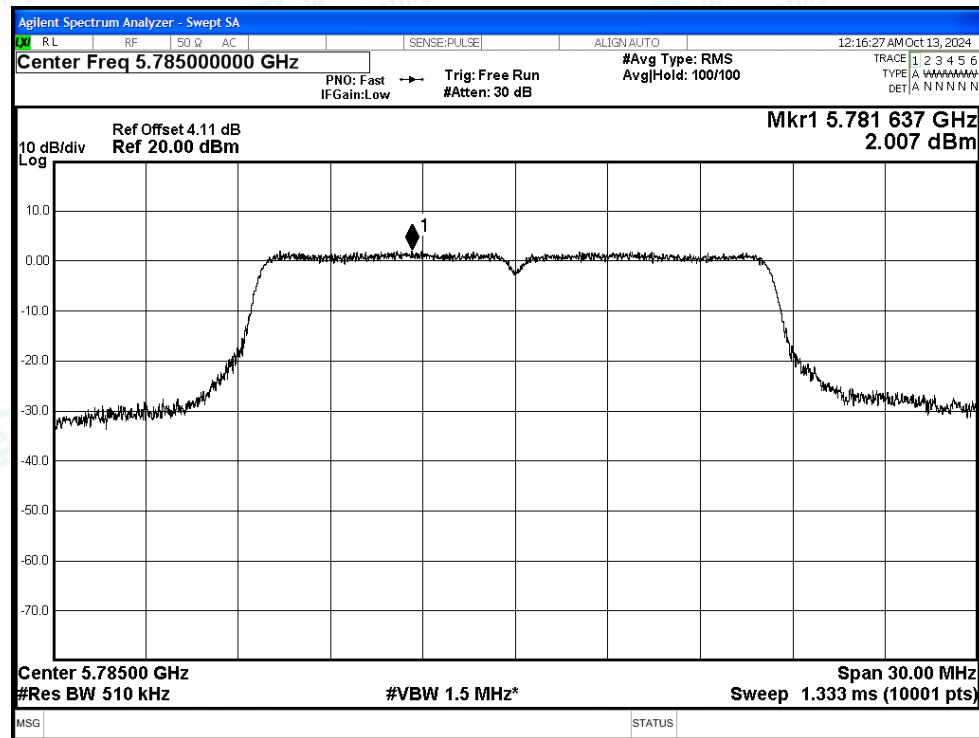


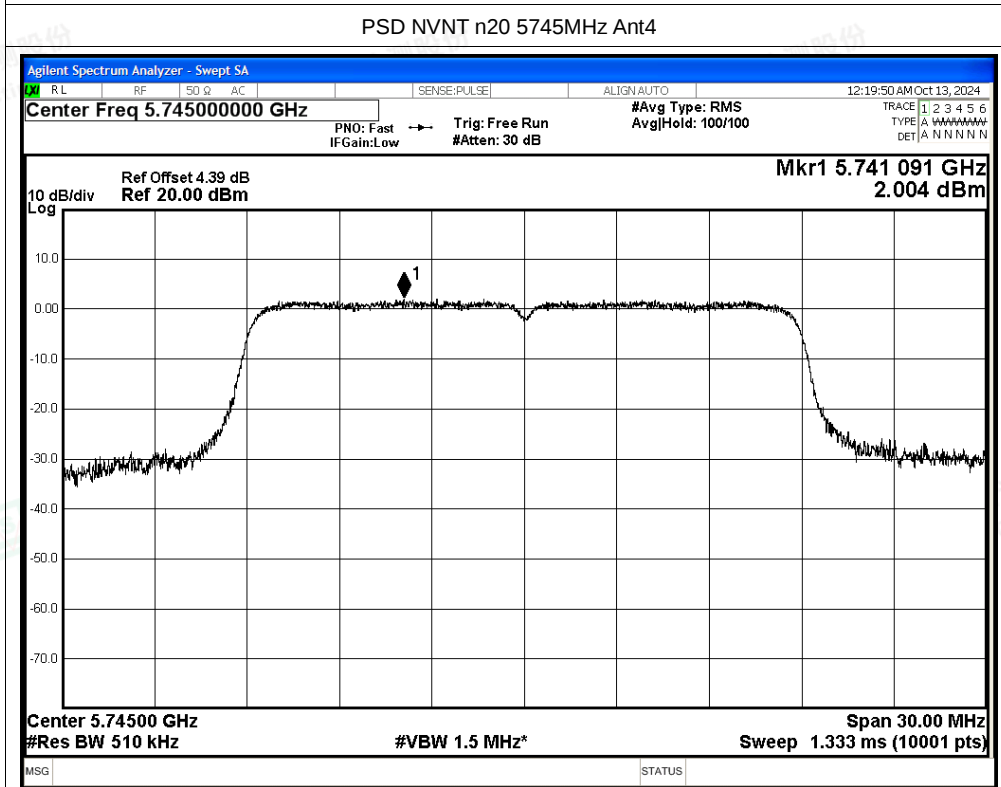
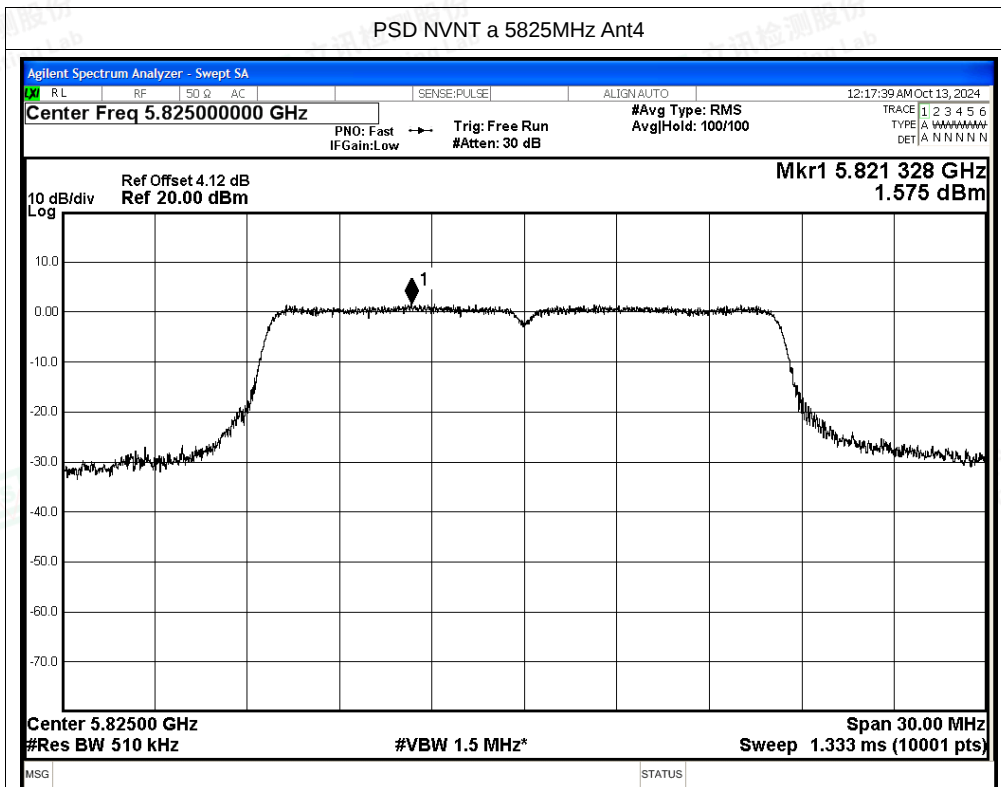
Test Graphs

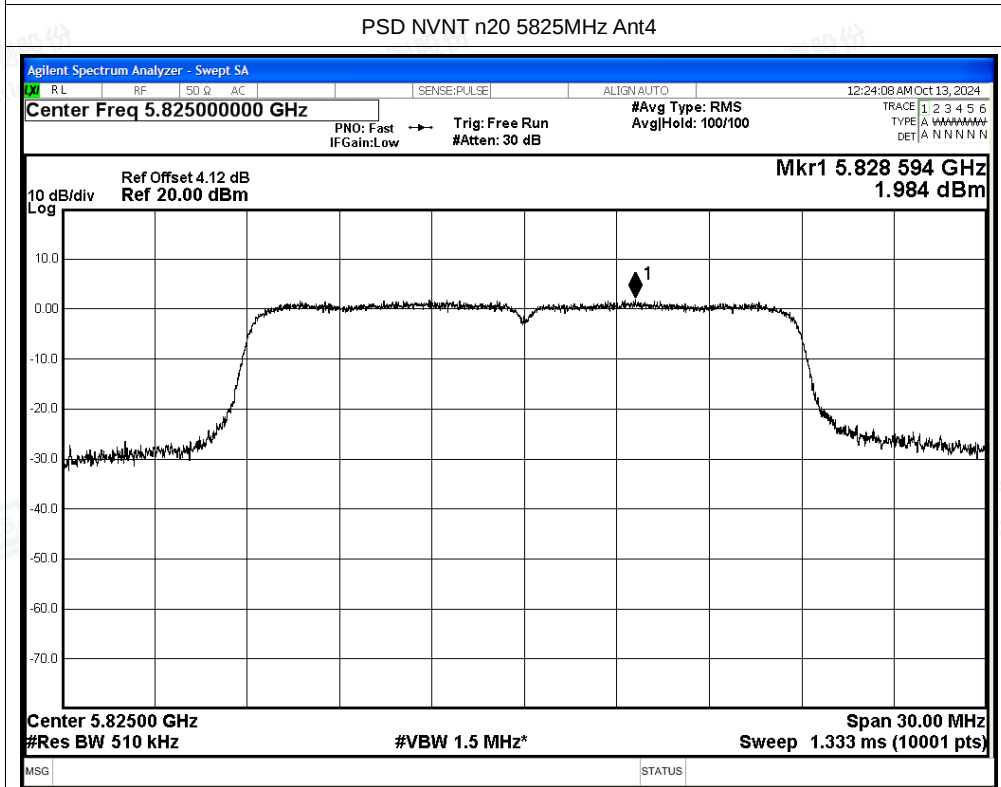
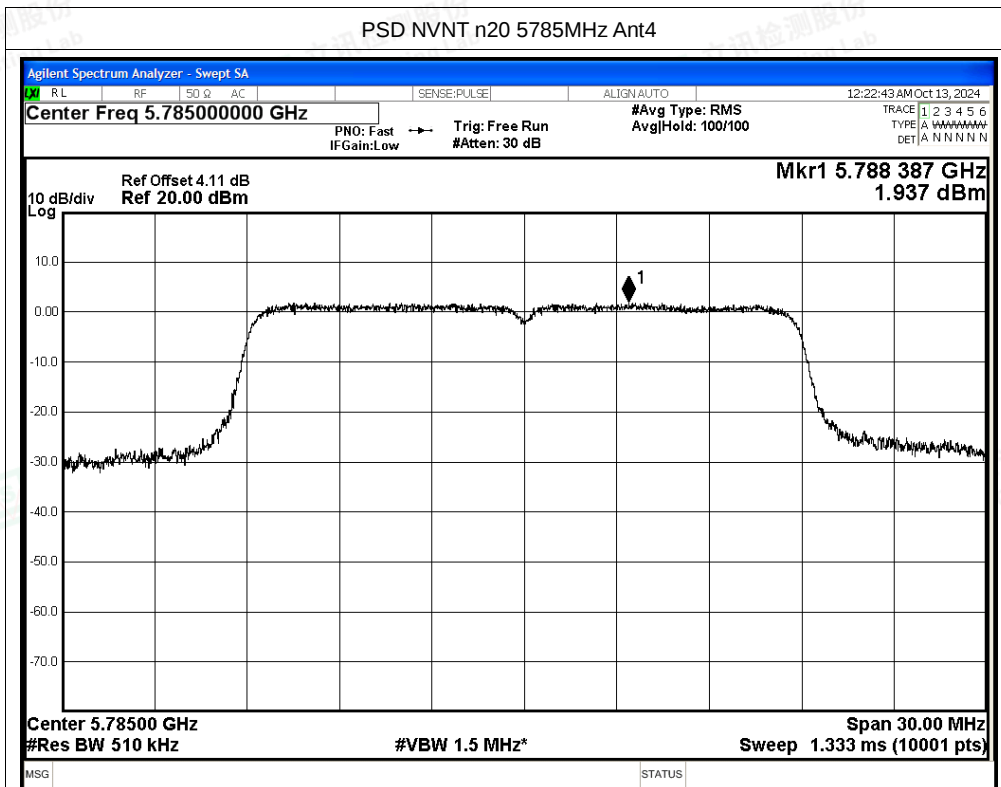
PSD NVNT a 5745MHz Ant4

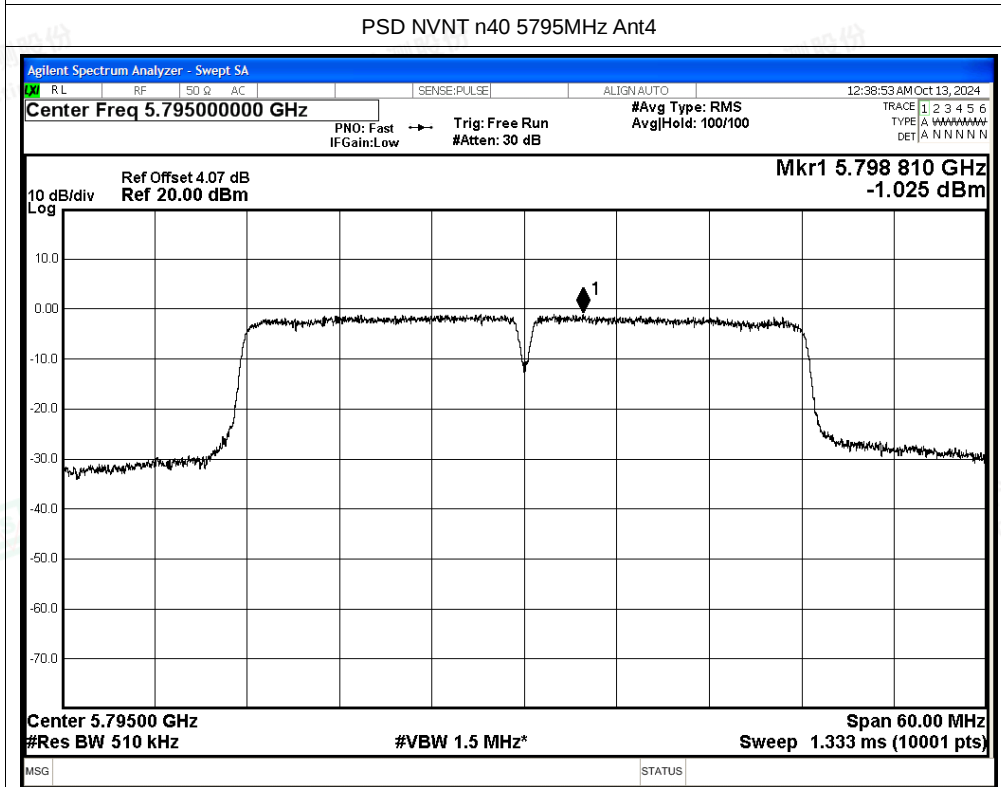
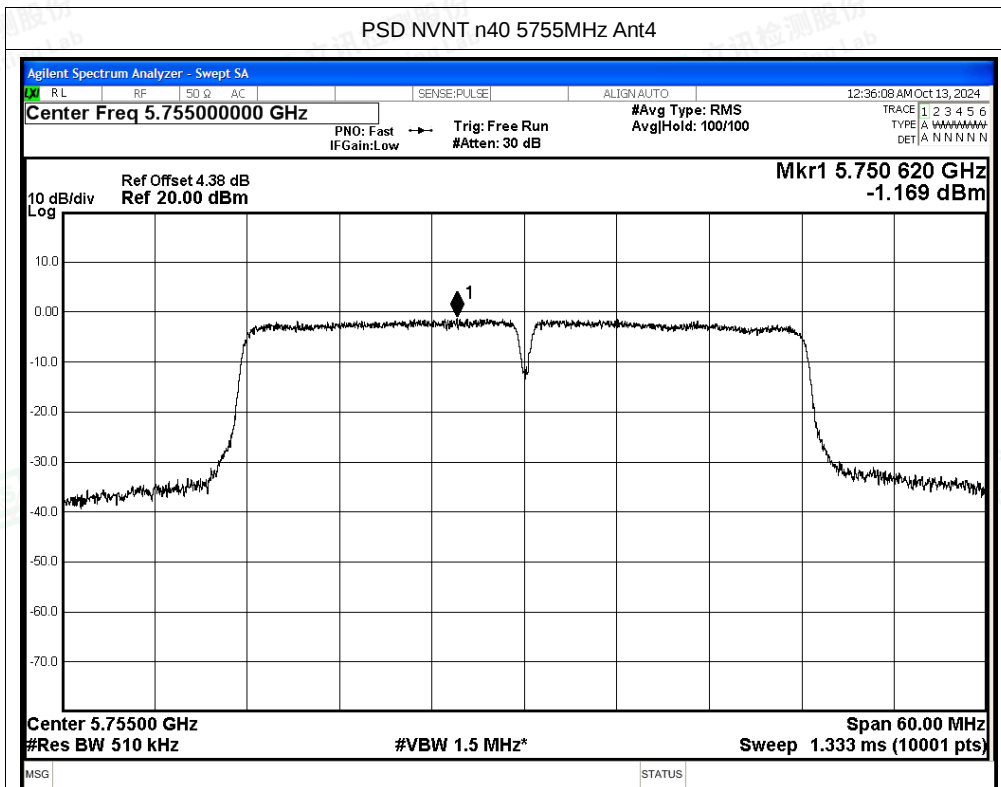


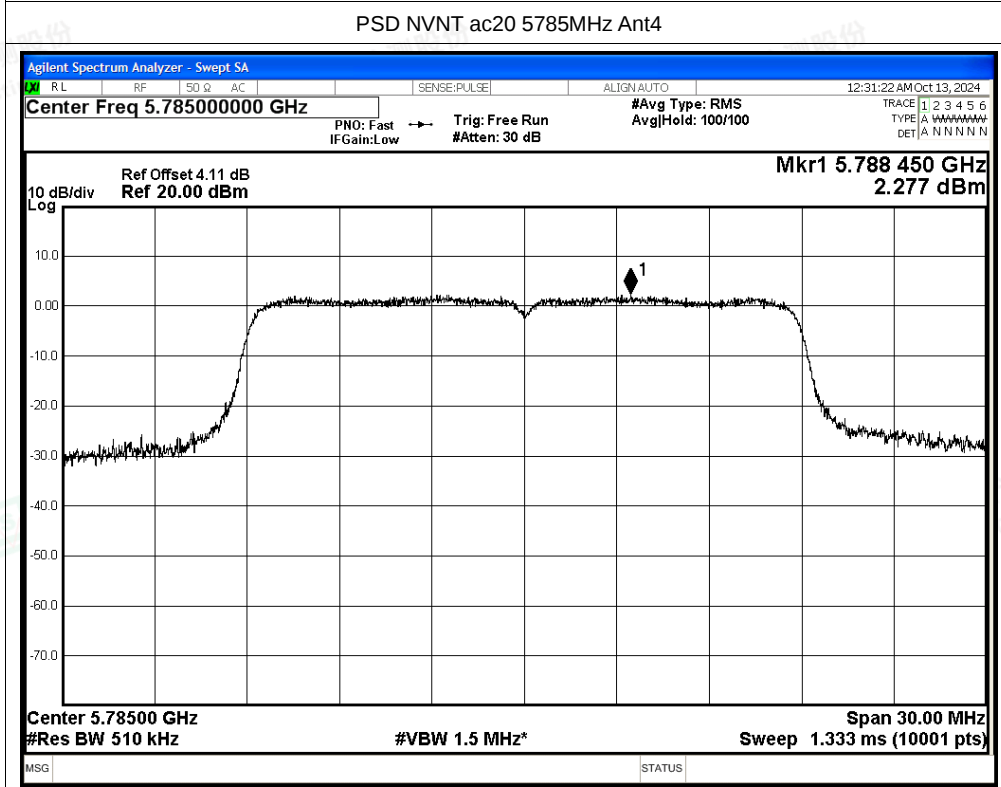
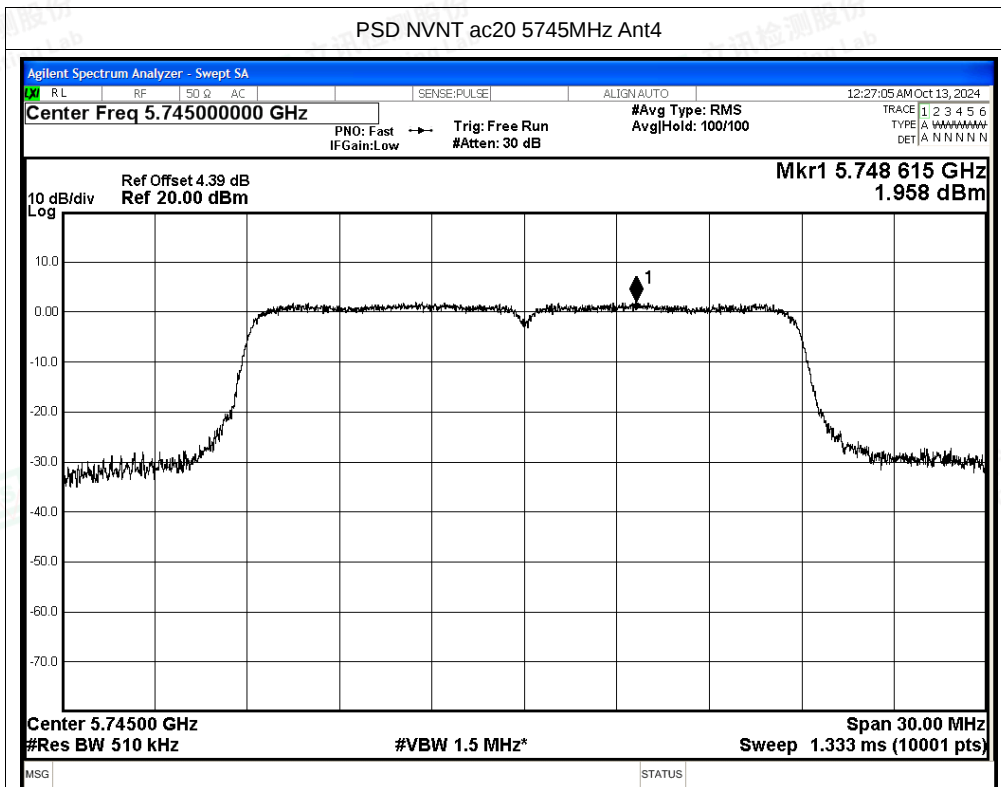
PSD NVNT a 5785MHz Ant4

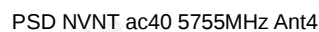


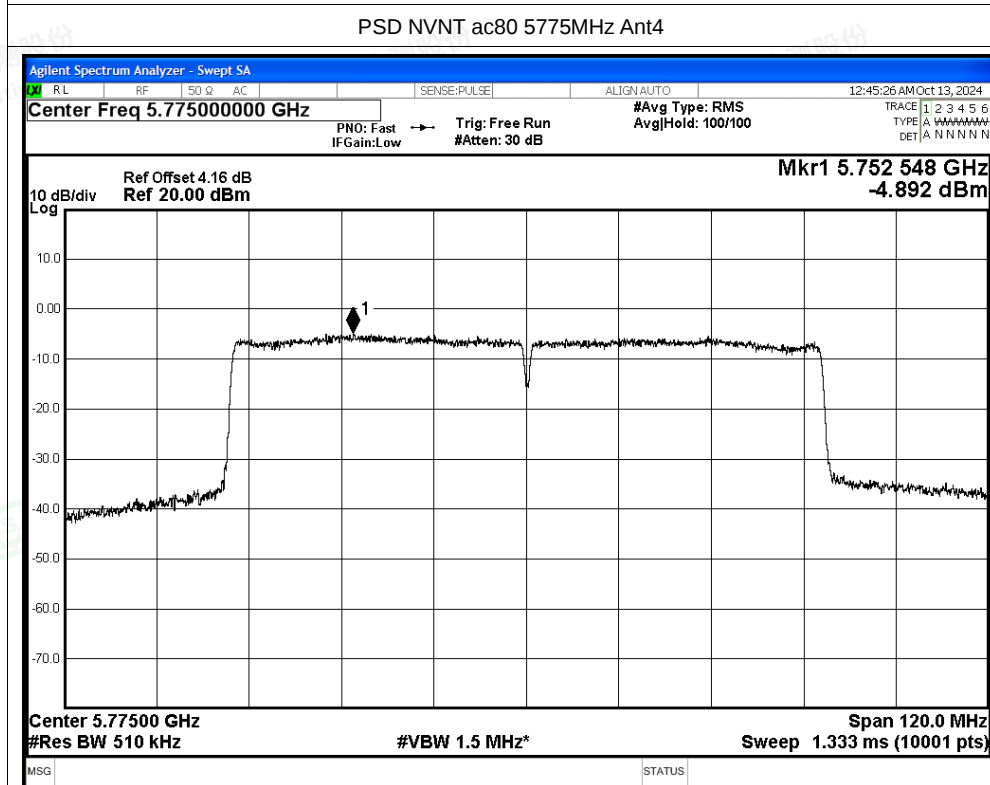
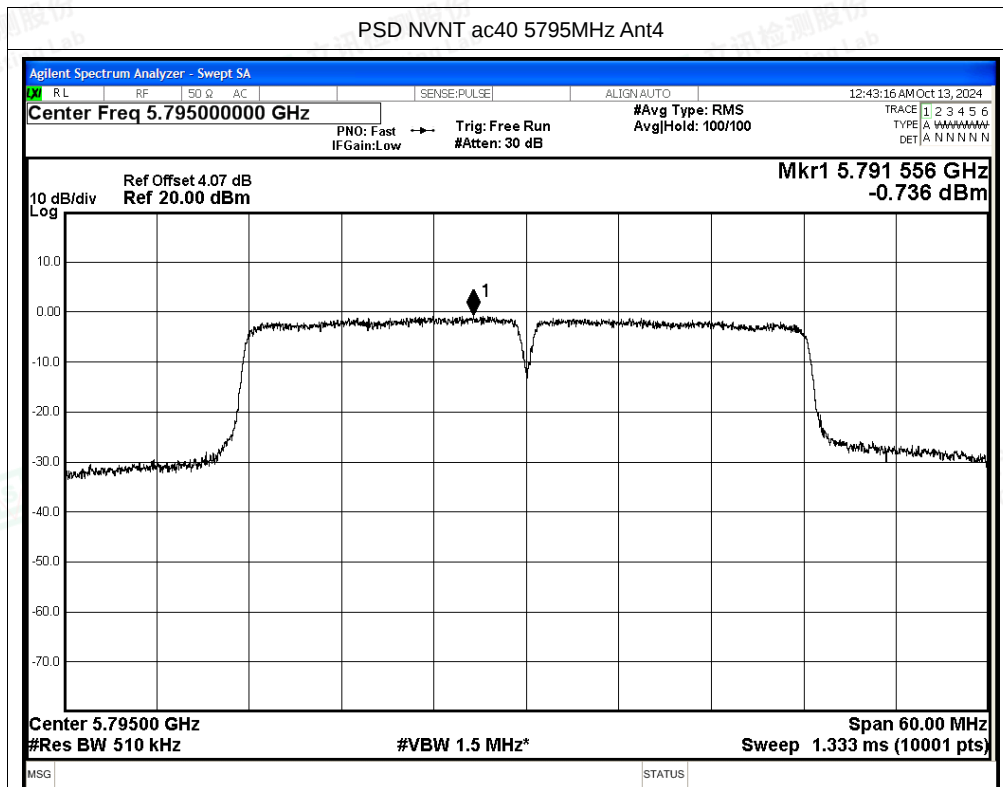






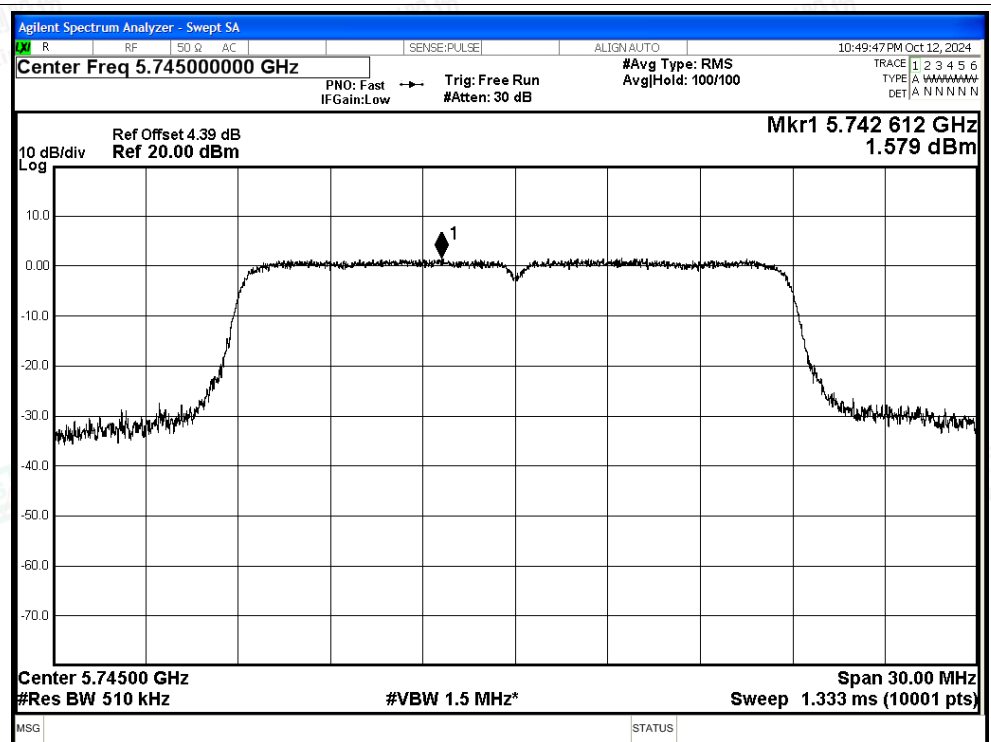




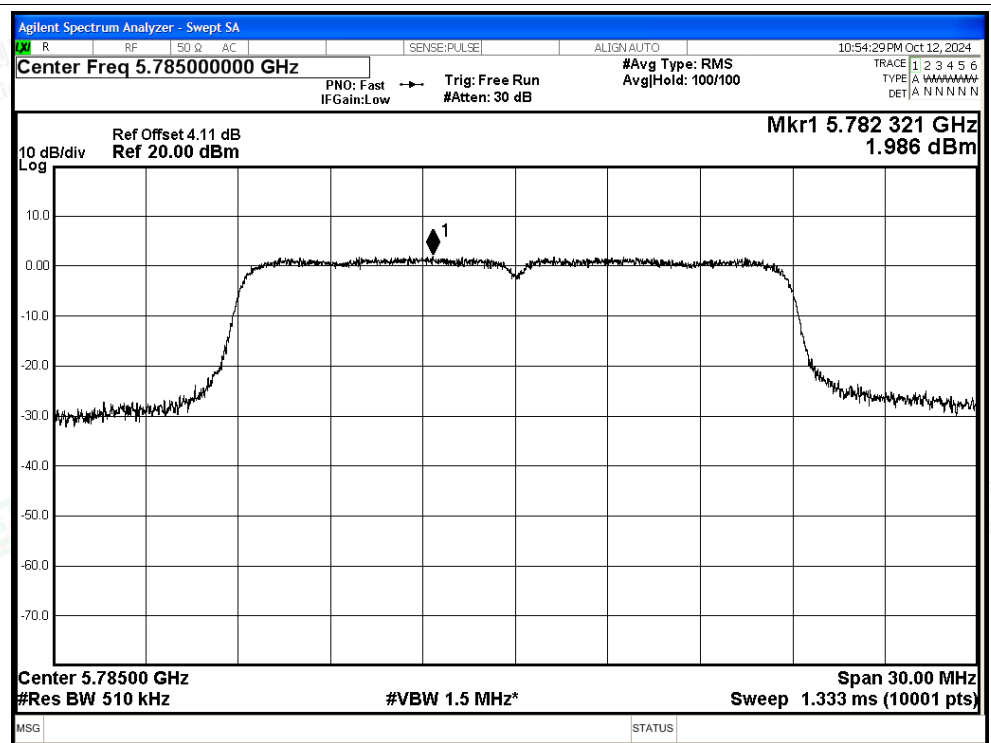


PSD NVNT ax20 5745MHz Ant4



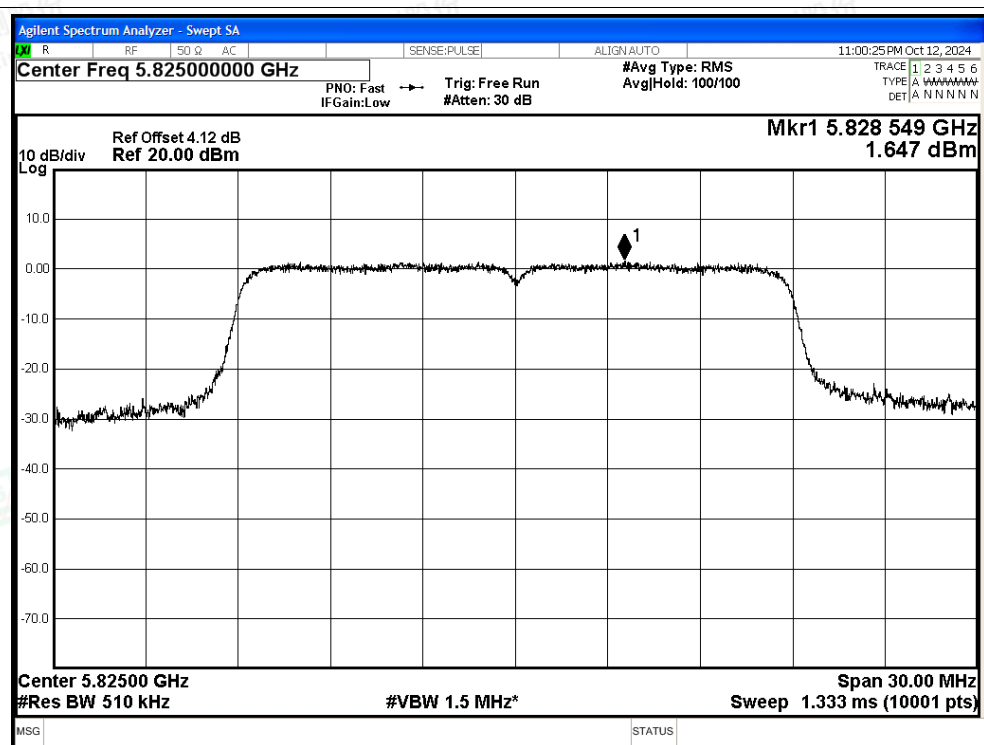


PSD NVNT ax20 5785MHz Ant4

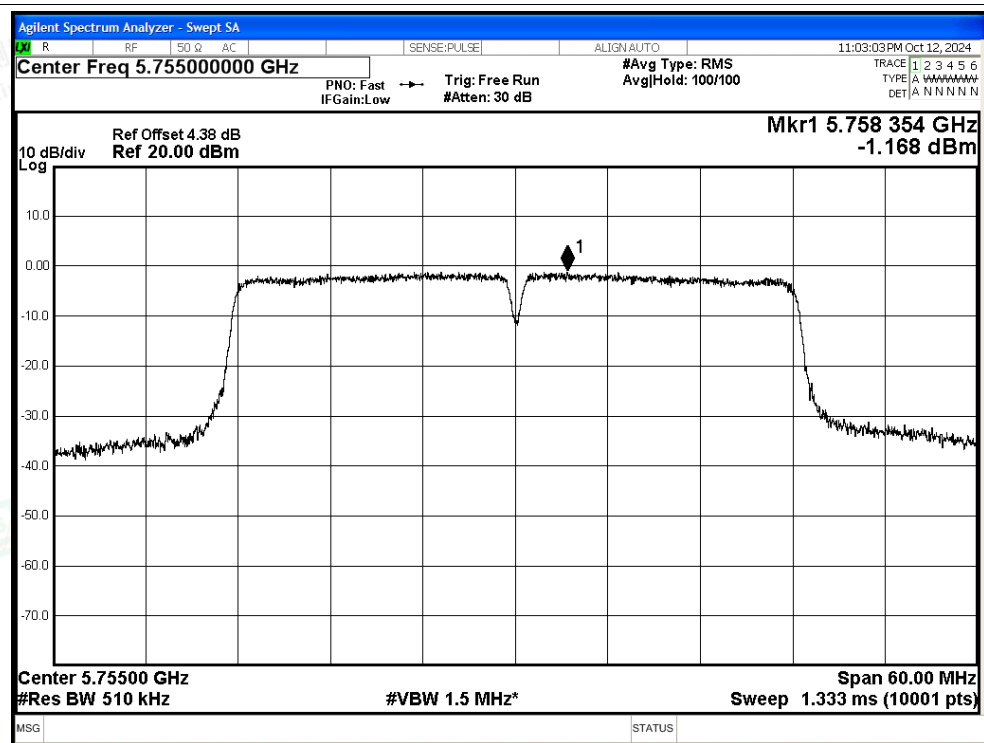


PSD NVNT ax20 5825MHz Ant4



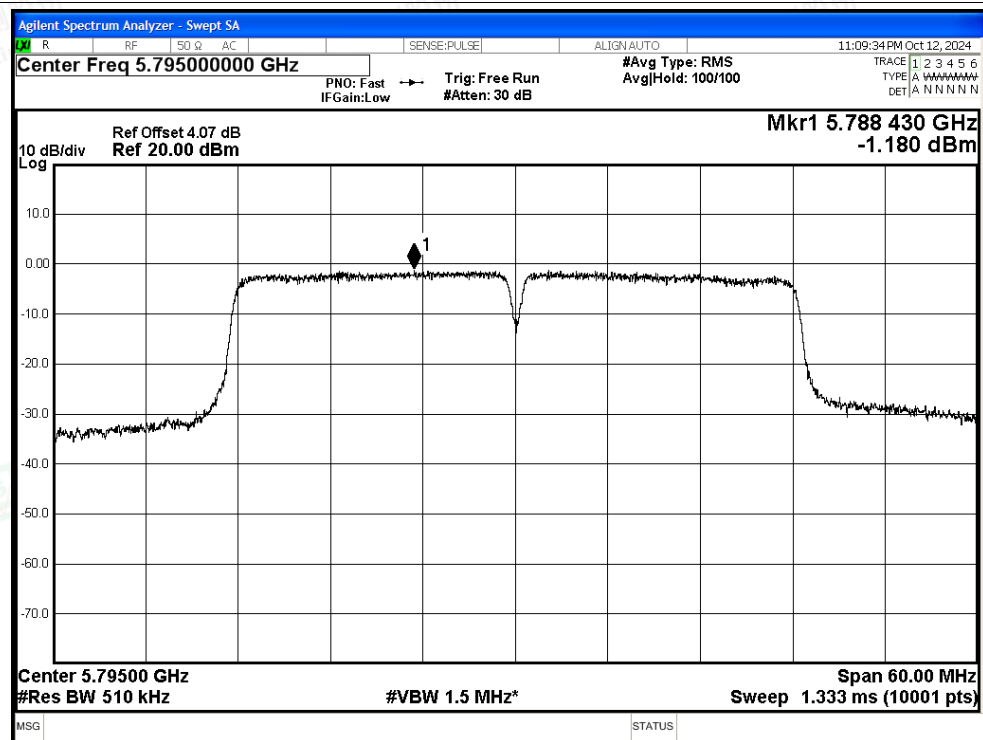


PSD NVNT ax40 5755MHz Ant4

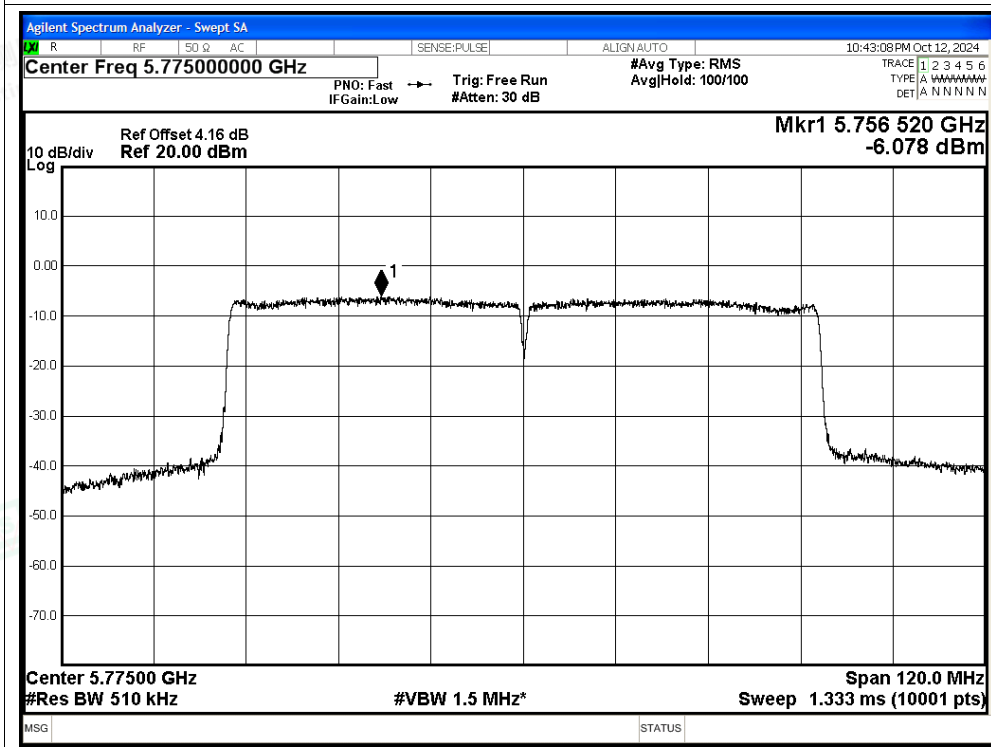


PSD NVNT ax40 5795MHz Ant4





PSD NVNT ax80 5775MHz Ant4





E.4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	EIRP Power (dBm)	Detector	Limit (dBm)	Verdict
NVNT	a	5745	Ant3	5650	-49.08	5.24	-	-43.84	Peak	-27	Pass
NVNT	a	5745	Ant3	5650	-56.44	5.24	0.24	-50.96	Average	-27	Pass
NVNT	a	5745	Ant3	5700	-47.38	5.24	-	-42.14	Peak	10	Pass
NVNT	a	5745	Ant3	5700	-56.48	5.24	0.24	-51	Average	10	Pass
NVNT	a	5745	Ant3	5720	-42.64	5.24	-	-37.4	Peak	15.6	Pass
NVNT	a	5745	Ant3	5720	-53.51	5.24	0.24	-48.03	Average	15.6	Pass
NVNT	a	5745	Ant3	5725	-28.54	5.24	-	-23.3	Peak	27	Pass
NVNT	a	5745	Ant3	5725	-51.18	5.24	0.24	-45.7	Average	27	Pass
NVNT	a	5825	Ant3	5850	-38.28	5.24	-	-33.04	Peak	27	Pass
NVNT	a	5825	Ant3	5850	-54.37	5.24	0.24	-48.89	Average	27	Pass
NVNT	a	5825	Ant3	5855	-47.26	5.24	-	-42.02	Peak	15.6	Pass
NVNT	a	5825	Ant3	5855	-56.89	5.24	0.24	-51.41	Average	15.6	Pass
NVNT	a	5825	Ant3	5875	-47.96	5.24	-	-42.72	Peak	10	Pass
NVNT	a	5825	Ant3	5875	-56.84	5.24	0.24	-51.36	Average	10	Pass
NVNT	a	5825	Ant3	5925	-47.2	5.24	-	-41.96	Peak	-27	Pass
NVNT	a	5825	Ant3	5925	-56.78	5.24	0.24	-51.3	Average	-27	Pass
NVNT	n20	5745	Ant3	5650	-50.44	5.24	-	-45.2	Peak	-27	Pass
NVNT	n20	5745	Ant3	5650	-56.73	5.24	0.28	-51.21	Average	-27	Pass
NVNT	n20	5745	Ant3	5700	-48.44	5.24	-	-43.2	Peak	10	Pass
NVNT	n20	5745	Ant3	5700	-56.61	5.24	0.28	-51.09	Average	10	Pass
NVNT	n20	5745	Ant3	5720	-37.66	5.24	-	-32.42	Peak	15.6	Pass
NVNT	n20	5745	Ant3	5720	-52.74	5.24	0.28	-47.22	Average	15.6	Pass
NVNT	n20	5745	Ant3	5725	-33.82	5.24	-	-28.58	Peak	27	Pass
NVNT	n20	5745	Ant3	5725	-46.49	5.24	0.28	-40.97	Average	27	Pass
NVNT	n20	5825	Ant3	5850	-41.75	5.24	-	-36.51	Peak	27	Pass
NVNT	n20	5825	Ant3	5850	-54.12	5.24	0.28	-48.6	Average	27	Pass
NVNT	n20	5825	Ant3	5855	-44.1	5.24	-	-38.86	Peak	15.6	Pass
NVNT	n20	5825	Ant3	5855	-55.84	5.24	0.28	-50.32	Average	15.6	Pass
NVNT	n20	5825	Ant3	5875	-48.12	5.24	-	-42.88	Peak	10	Pass
NVNT	n20	5825	Ant3	5875	-57.21	5.24	0.28	-51.69	Average	10	Pass
NVNT	n20	5825	Ant3	5925	-49.09	5.24	-	-43.85	Peak	-27	Pass
NVNT	n20	5825	Ant3	5925	-56.99	5.24	0.28	-51.47	Average	-27	Pass
NVNT	n40	5755	Ant3	5650	-48.34	5.24	-	-43.1	Peak	-27	Pass
NVNT	n40	5755	Ant3	5650	-56.66	5.24	0.12	-51.3	Average	-27	Pass
NVNT	n40	5755	Ant3	5700	-48.76	5.24	-	-43.52	Peak	10	Pass
NVNT	n40	5755	Ant3	5700	-56.77	5.24	0.12	-51.41	Average	10	Pass





NVNT	n40	5755	Ant3	5720	-36.88	5.24	-	-31.64	Peak	15.6	Pass
NVNT	n40	5755	Ant3	5720	-52.52	5.24	0.12	-47.16	Average	15.6	Pass
NVNT	n40	5755	Ant3	5725	-32.93	5.24	-	-27.69	Peak	27	Pass
NVNT	n40	5755	Ant3	5725	-49.39	5.24	0.12	-44.03	Average	27	Pass
NVNT	n40	5795	Ant3	5850	-49.53	5.24	-	-44.29	Peak	27	Pass
NVNT	n40	5795	Ant3	5850	-57.07	5.24	0.12	-51.71	Average	27	Pass
NVNT	n40	5795	Ant3	5855	-49.24	5.24	-	-44	Peak	15.6	Pass
NVNT	n40	5795	Ant3	5855	-57.25	5.24	0.12	-51.89	Average	15.6	Pass
NVNT	n40	5795	Ant3	5875	-48.92	5.24	-	-43.68	Peak	10	Pass
NVNT	n40	5795	Ant3	5875	-56.54	5.24	0.12	-51.18	Average	10	Pass
NVNT	n40	5795	Ant3	5925	-47.31	5.24	-	-42.07	Peak	-27	Pass
NVNT	n40	5795	Ant3	5925	-57.1	5.24	0.12	-51.74	Average	-27	Pass
NVNT	ac20	5745	Ant3	5650	-48.46	5.24	-	-43.22	Peak	-27	Pass
NVNT	ac20	5745	Ant3	5650	-56.63	5.24	0.28	-51.11	Average	-27	Pass
NVNT	ac20	5745	Ant3	5700	-48.59	5.24	-	-43.35	Peak	10	Pass
NVNT	ac20	5745	Ant3	5700	-56.77	5.24	0.28	-51.25	Average	10	Pass
NVNT	ac20	5745	Ant3	5720	-38.48	5.24	-	-33.24	Peak	15.6	Pass
NVNT	ac20	5745	Ant3	5720	-53.01	5.24	0.28	-47.49	Average	15.6	Pass
NVNT	ac20	5745	Ant3	5725	-30.38	5.24	-	-25.14	Peak	27	Pass
NVNT	ac20	5745	Ant3	5725	-47.68	5.24	0.28	-42.16	Average	27	Pass
NVNT	ac20	5825	Ant3	5850	-38.89	5.24	-	-33.65	Peak	27	Pass
NVNT	ac20	5825	Ant3	5850	-52.85	5.24	0.28	-47.33	Average	27	Pass
NVNT	ac20	5825	Ant3	5855	-42.69	5.24	-	-37.45	Peak	15.6	Pass
NVNT	ac20	5825	Ant3	5855	-55.63	5.24	0.28	-50.11	Average	15.6	Pass
NVNT	ac20	5825	Ant3	5875	-48.2	5.24	-	-42.96	Peak	10	Pass
NVNT	ac20	5825	Ant3	5875	-56.83	5.24	0.28	-51.31	Average	10	Pass
NVNT	ac20	5825	Ant3	5925	-48.3	5.24	-	-43.06	Peak	-27	Pass
NVNT	ac20	5825	Ant3	5925	-56.48	5.24	0.28	-50.96	Average	-27	Pass
NVNT	ac40	5755	Ant3	5650	-48.12	5.24	-	-42.88	Peak	-27	Pass
NVNT	ac40	5755	Ant3	5650	-57.04	5.24	0.12	-51.68	Average	-27	Pass
NVNT	ac40	5755	Ant3	5700	-47.83	5.24	-	-42.59	Peak	10	Pass
NVNT	ac40	5755	Ant3	5700	-56.4	5.24	0.12	-51.04	Average	10	Pass
NVNT	ac40	5755	Ant3	5720	-34.73	5.24	-	-29.49	Peak	15.6	Pass
NVNT	ac40	5755	Ant3	5720	-52.56	5.24	0.12	-47.2	Average	15.6	Pass
NVNT	ac40	5755	Ant3	5725	-37.77	5.24	-	-32.53	Peak	27	Pass
NVNT	ac40	5755	Ant3	5725	-50.15	5.24	0.12	-44.79	Average	27	Pass
NVNT	ac40	5795	Ant3	5850	-50.17	5.24	-	-44.93	Peak	27	Pass
NVNT	ac40	5795	Ant3	5850	-57.29	5.24	0.12	-51.93	Average	27	Pass
NVNT	ac40	5795	Ant3	5855	-48.82	5.24	-	-43.58	Peak	15.6	Pass
NVNT	ac40	5795	Ant3	5855	-57.29	5.24	0.12	-51.93	Average	15.6	Pass
NVNT	ac40	5795	Ant3	5875	-47.99	5.24	-	-42.75	Peak	10	Pass





NVNT	ac40	5795	Ant3	5875	-57.16	5.24	0.12	-51.8	Average	10	Pass
NVNT	ac40	5795	Ant3	5925	-48.61	5.24	-	-43.37	Peak	-27	Pass
NVNT	ac40	5795	Ant3	5925	-56.69	5.24	0.12	-51.33	Average	-27	Pass
NVNT	ac80	5775	Ant3	5650	-46.98	5.24	-	-41.74	Peak	-27	Pass
NVNT	ac80	5775	Ant3	5650	-57.01	5.24	0.25	-51.52	Average	-27	Pass
NVNT	ac80	5775	Ant3	5700	-46.9	5.24	-	-41.66	Peak	10	Pass
NVNT	ac80	5775	Ant3	5700	-55.53	5.24	0.25	-50.04	Average	10	Pass
NVNT	ac80	5775	Ant3	5720	-43.42	5.24	-	-38.18	Peak	15.6	Pass
NVNT	ac80	5775	Ant3	5720	-52.74	5.24	0.25	-47.25	Average	15.6	Pass
NVNT	ac80	5775	Ant3	5725	-37.54	5.24	-	-32.3	Peak	27	Pass
NVNT	ac80	5775	Ant3	5725	-49.44	5.24	0.25	-43.95	Average	27	Pass
NVNT	ac80	5775	Ant3	5850	-47.77	5.24	-	-42.53	Peak	27	Pass
NVNT	ac80	5775	Ant3	5850	-56.96	5.24	0.25	-51.47	Average	27	Pass
NVNT	ac80	5775	Ant3	5855	-48.49	5.24	-	-43.25	Peak	15.6	Pass
NVNT	ac80	5775	Ant3	5855	-56.78	5.24	0.25	-51.29	Average	15.6	Pass
NVNT	ac80	5775	Ant3	5875	-50.12	5.24	-	-44.88	Peak	10	Pass
NVNT	ac80	5775	Ant3	5875	-56.97	5.24	0.25	-51.48	Average	10	Pass
NVNT	ac80	5775	Ant3	5925	-49.12	5.24	-	-43.88	Peak	-27	Pass
NVNT	ac80	5775	Ant3	5925	-56.93	5.24	0.25	-51.44	Average	-27	Pass
NVNT	ax20	5745	Ant3	5650	-49.26	5.24	-	-44.02	Peak	-27	Pass
NVNT	ax20	5745	Ant3	5650	-56.54	5.24	0.28	-51.02	Average	-27	Pass
NVNT	ax20	5745	Ant3	5700	-48.81	5.24	-	-43.57	Peak	10	Pass
NVNT	ax20	5745	Ant3	5700	-56.35	5.24	0.28	-50.83	Average	10	Pass
NVNT	ax20	5745	Ant3	5720	-38.84	5.24	-	-33.6	Peak	15.6	Pass
NVNT	ax20	5745	Ant3	5720	-52.9	5.24	0.28	-47.38	Average	15.6	Pass
NVNT	ax20	5745	Ant3	5725	-31.43	5.24	-	-26.19	Peak	27	Pass
NVNT	ax20	5745	Ant3	5725	-46.51	5.24	0.28	-40.99	Average	27	Pass
NVNT	ax20	5825	Ant3	5850	-38.79	5.24	-	-33.55	Peak	27	Pass
NVNT	ax20	5825	Ant3	5850	-53.69	5.24	0.28	-48.17	Average	27	Pass
NVNT	ax20	5825	Ant3	5855	-41.72	5.24	-	-36.48	Peak	15.6	Pass
NVNT	ax20	5825	Ant3	5855	-55.56	5.24	0.28	-50.04	Average	15.6	Pass
NVNT	ax20	5825	Ant3	5875	-47.9	5.24	-	-42.66	Peak	10	Pass
NVNT	ax20	5825	Ant3	5875	-56.85	5.24	0.28	-51.33	Average	10	Pass
NVNT	ax20	5825	Ant3	5925	-46.49	5.24	-	-41.25	Peak	-27	Pass
NVNT	ax20	5825	Ant3	5925	-56.25	5.24	0.28	-50.73	Average	-27	Pass
NVNT	ax40	5755	Ant3	5650	-49.03	5.24	-	-43.79	Peak	-27	Pass
NVNT	ax40	5755	Ant3	5650	-57.03	5.24	0.12	-51.67	Average	-27	Pass
NVNT	ax40	5755	Ant3	5700	-48.4	5.24	-	-43.16	Peak	10	Pass
NVNT	ax40	5755	Ant3	5700	-56.97	5.24	0.12	-51.61	Average	10	Pass
NVNT	ax40	5755	Ant3	5720	-41.96	5.24	-	-36.72	Peak	15.6	Pass
NVNT	ax40	5755	Ant3	5720	-52.61	5.24	0.12	-47.25	Average	15.6	Pass





NVNT	ax40	5755	Ant3	5725	-35.24	5.24	-	-30	Peak	27	Pass
NVNT	ax40	5755	Ant3	5725	-50.26	5.24	0.12	-44.9	Average	27	Pass
NVNT	ax40	5795	Ant3	5850	-50.43	5.24	-	-45.19	Peak	27	Pass
NVNT	ax40	5795	Ant3	5850	-57.38	5.24	0.12	-52.02	Average	27	Pass
NVNT	ax40	5795	Ant3	5855	-48.78	5.24	-	-43.54	Peak	15.6	Pass
NVNT	ax40	5795	Ant3	5855	-56.97	5.24	0.12	-51.61	Average	15.6	Pass
NVNT	ax40	5795	Ant3	5875	-48.19	5.24	-	-42.95	Peak	10	Pass
NVNT	ax40	5795	Ant3	5875	-57.43	5.24	0.12	-52.07	Average	10	Pass
NVNT	ax40	5795	Ant3	5925	-48.26	5.24	-	-43.02	Peak	-27	Pass
NVNT	ax40	5795	Ant3	5925	-56.65	5.24	0.12	-51.29	Average	-27	Pass
NVNT	ax80	5775	Ant3	5850	-49.5	5.24	-	-44.26	Peak	27	Pass
NVNT	ax80	5775	Ant3	5850	-56.85	5.24	0.25	-51.36	Average	27	Pass
NVNT	ax80	5775	Ant3	5855	-48.78	5.24	-	-43.54	Peak	15.6	Pass
NVNT	ax80	5775	Ant3	5855	-57.01	5.24	0.25	-51.52	Average	15.6	Pass
NVNT	ax80	5775	Ant3	5875	-48.18	5.24	-	-42.94	Peak	10	Pass
NVNT	ax80	5775	Ant3	5875	-56.88	5.24	0.25	-51.39	Average	10	Pass
NVNT	ax80	5775	Ant3	5925	-48.25	5.24	-	-43.01	Peak	-27	Pass
NVNT	ax80	5775	Ant3	5925	-56.65	5.24	0.25	-51.16	Average	-27	Pass
NVNT	ax80	5775	Ant3	5650	-48.78	5.24	-	-43.54	Peak	-27	Pass
NVNT	ax80	5775	Ant3	5650	-57.6	5.24	0.25	-52.11	Average	-27	Pass
NVNT	ax80	5775	Ant3	5700	-47.22	5.24	-	-41.98	Peak	10	Pass
NVNT	ax80	5775	Ant3	5700	-56.53	5.24	0.25	-51.04	Average	10	Pass
NVNT	ax80	5775	Ant3	5720	-36.85	5.24	-	-31.61	Peak	15.6	Pass
NVNT	ax80	5775	Ant3	5720	-54.03	5.24	0.25	-48.54	Average	15.6	Pass
NVNT	ax80	5775	Ant3	5725	-38.43	5.24	-	-33.19	Peak	27	Pass
NVNT	ax80	5775	Ant3	5725	-51.2	5.24	0.25	-45.71	Average	27	Pass



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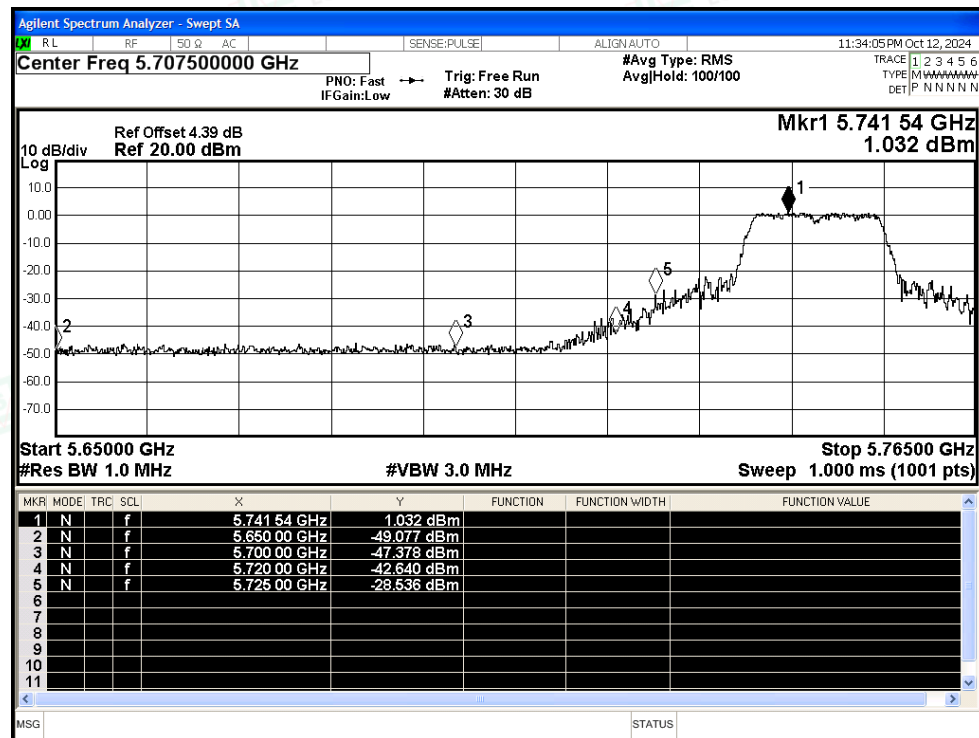
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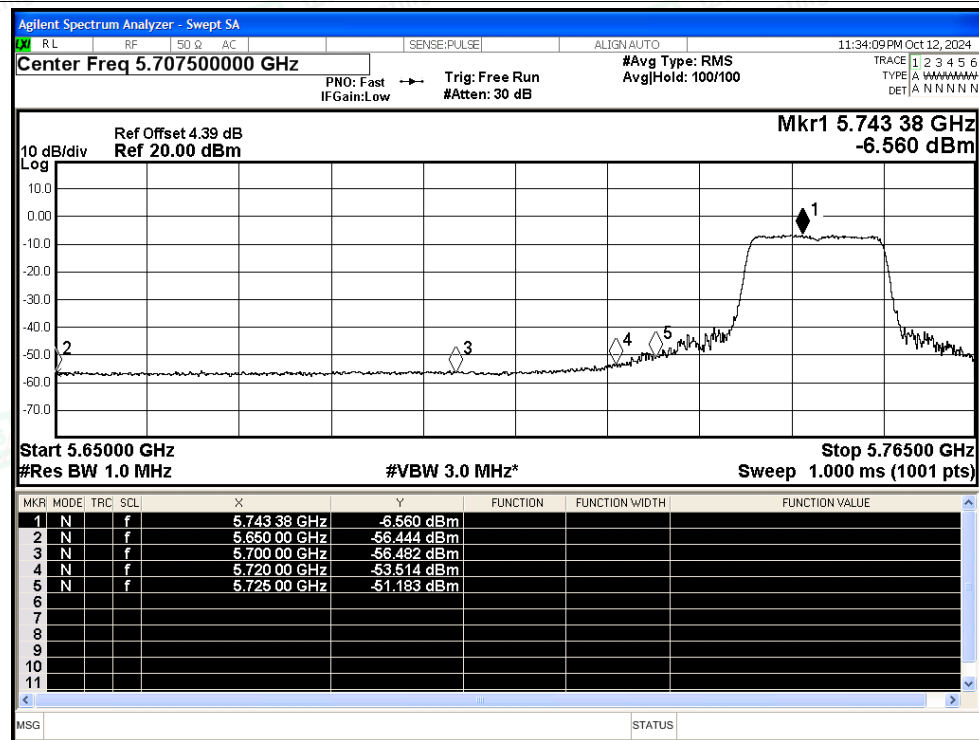


Test Graphs

Restrict Band NVNT a 5745MHz Ant3 Peak

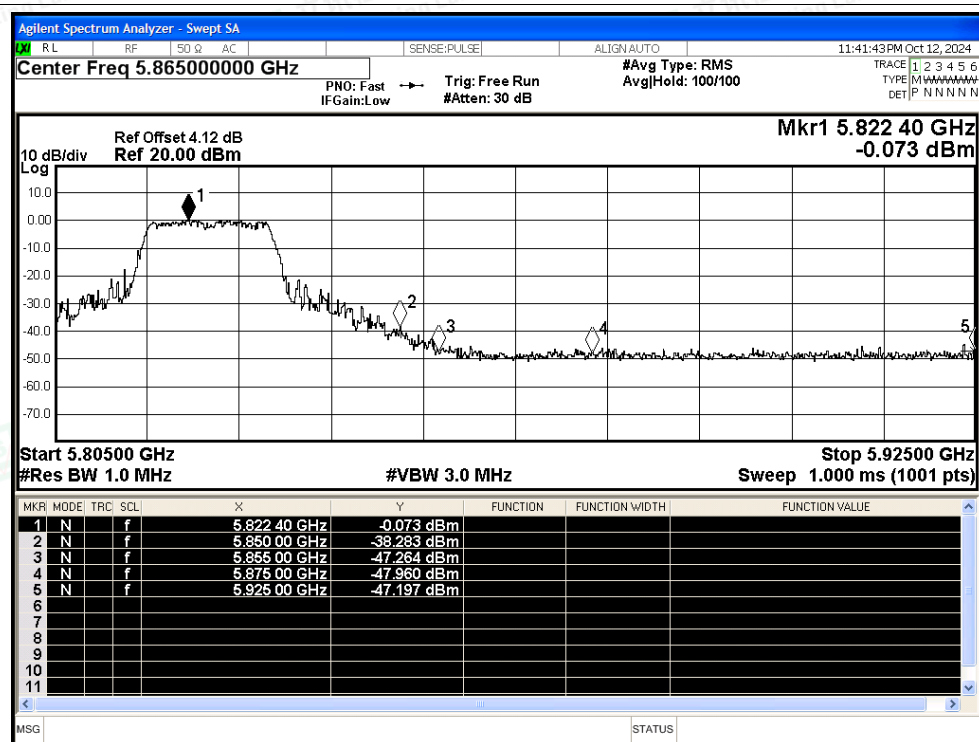


Restrict Band NVNT a 5745MHz Ant3 Average

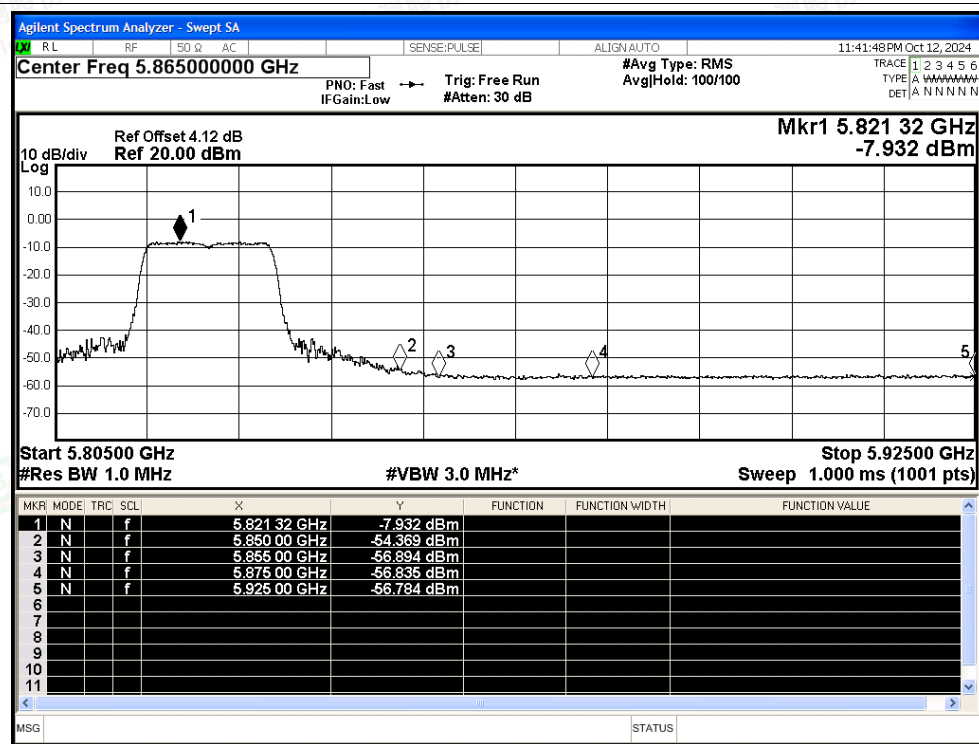




Restrict Band NVNT a 5825MHz Ant3 Peak

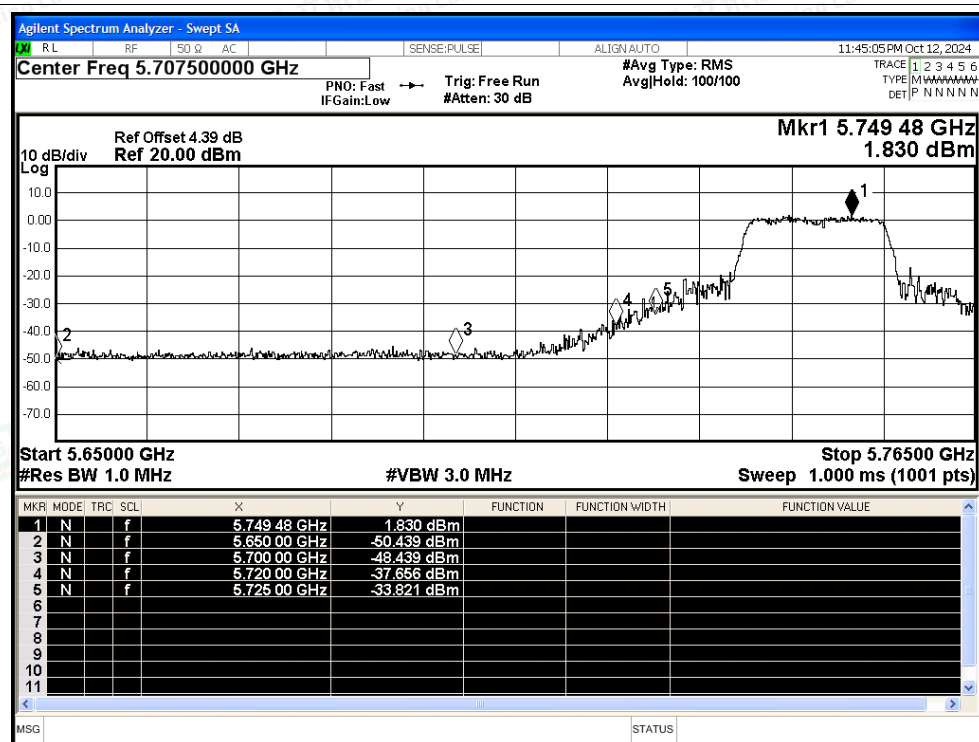


Restrict Band NVNT a 5825MHz Ant3 Average

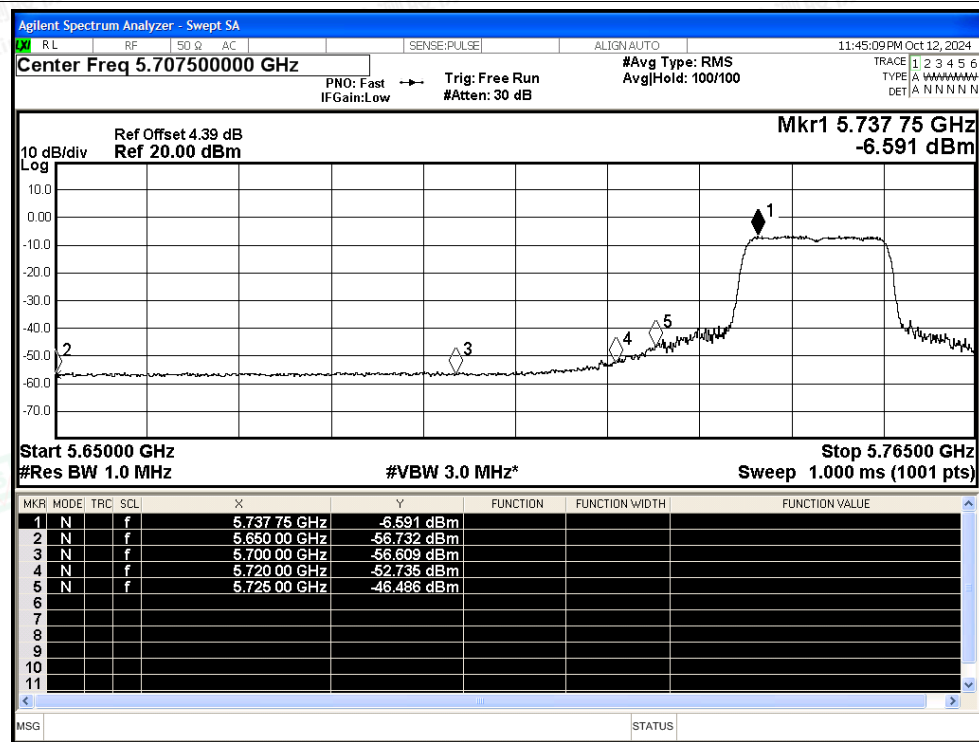




Restrict Band NVNT n20 5745MHz Ant3 Peak

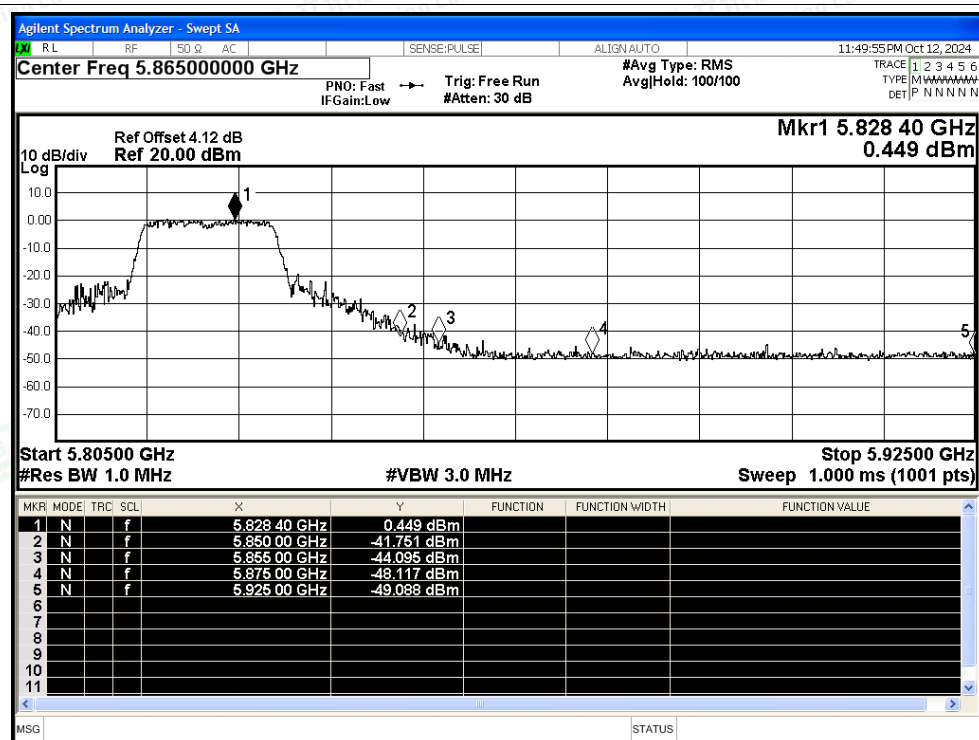


Restrict Band NVNT n20 5745MHz Ant3 Average

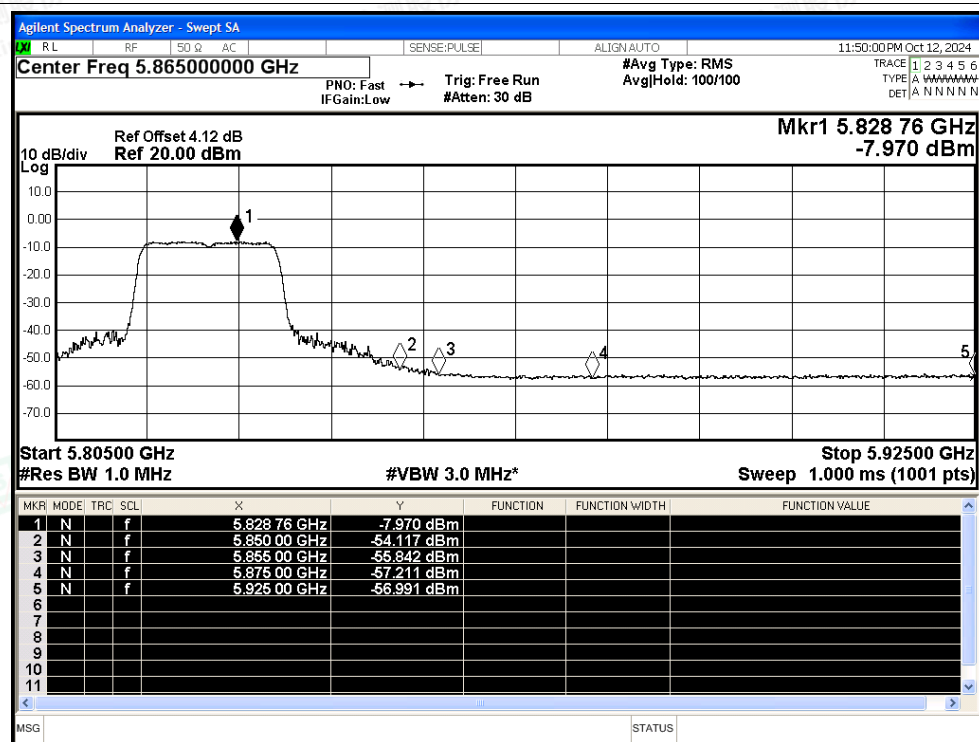




Restrict Band NVNT n20 5825MHz Ant3 Peak



Restrict Band NVNT n20 5825MHz Ant3 Average



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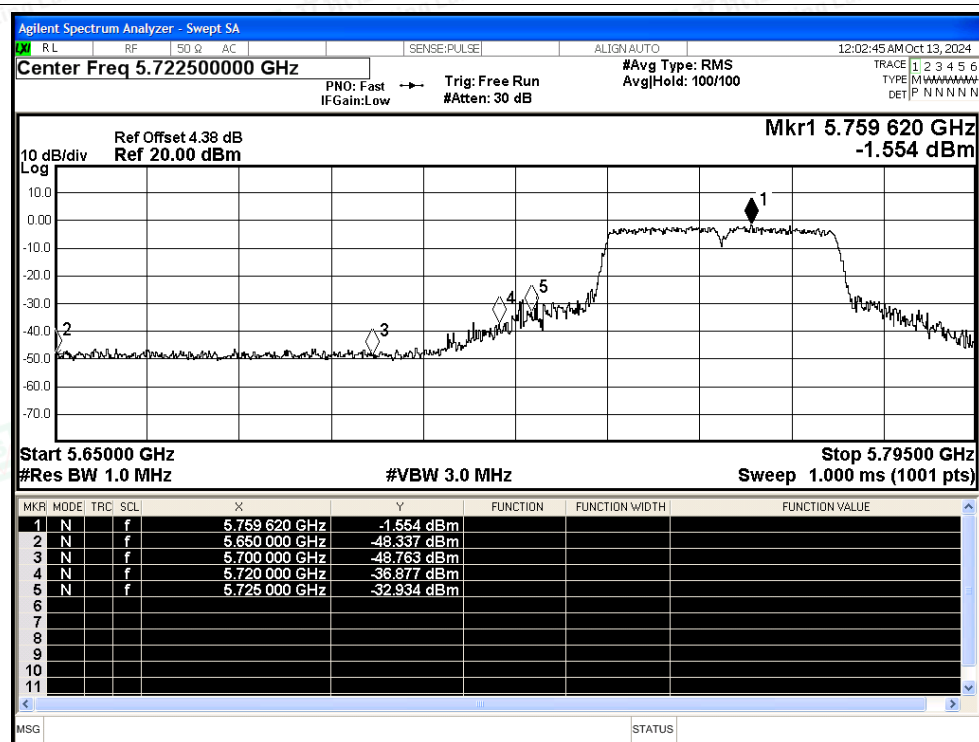
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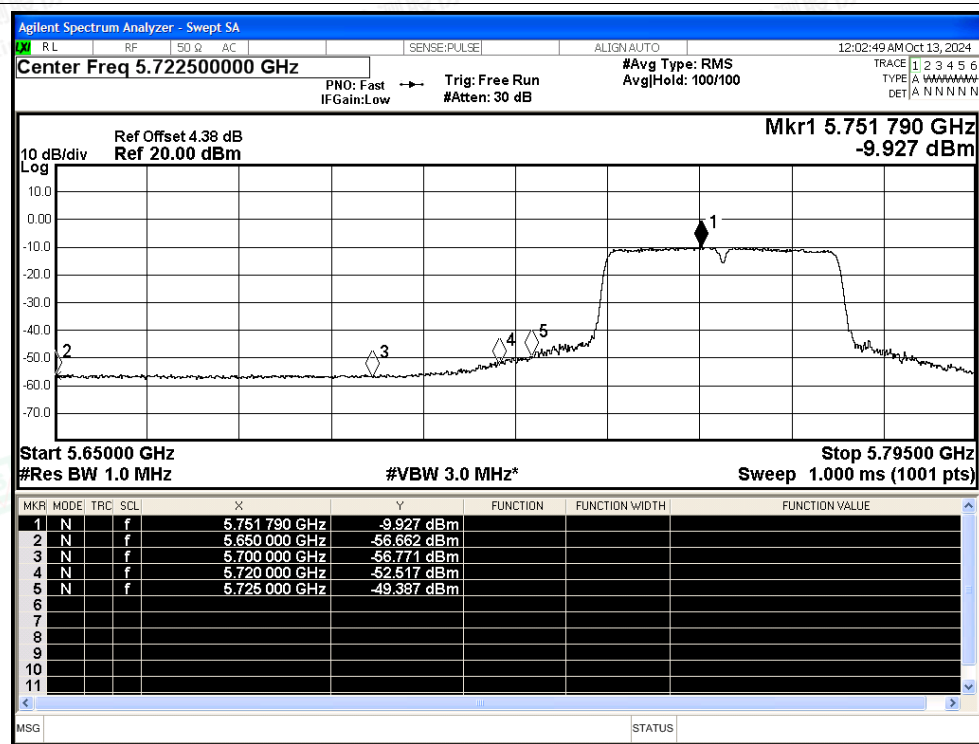
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Restrict Band NVNT n40 5755MHz Ant3 Peak

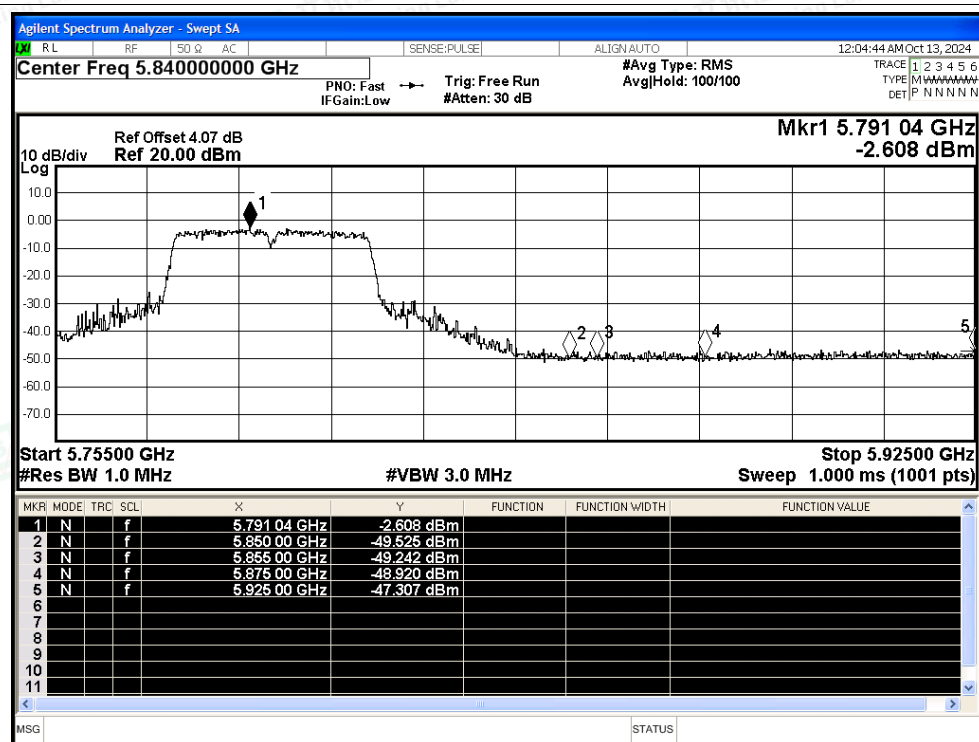


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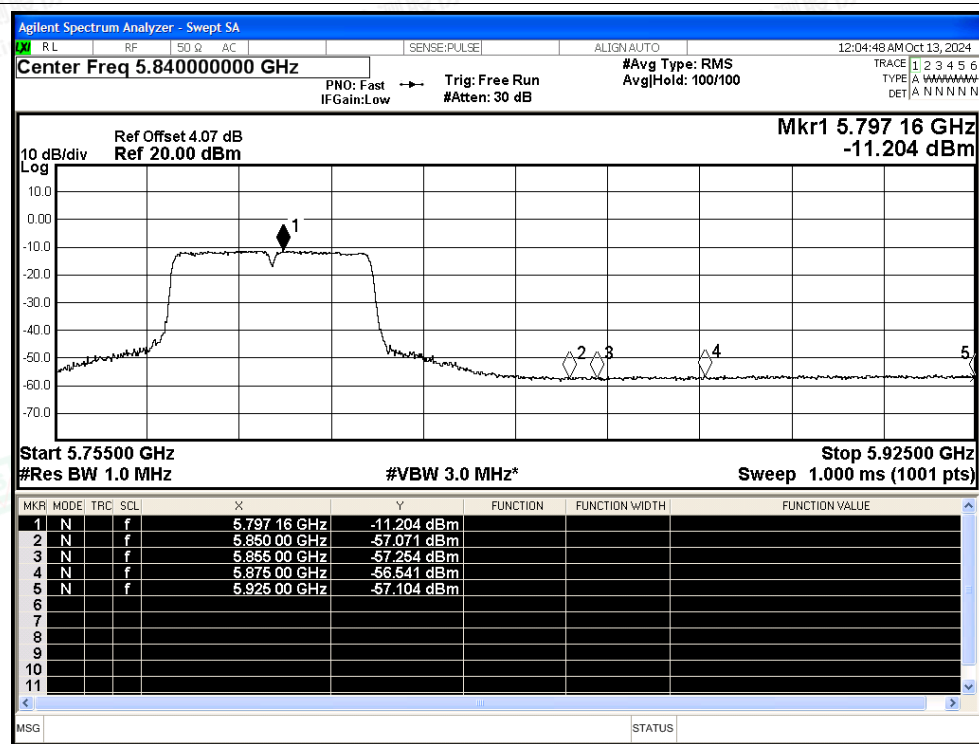




Restrict Band NVNT n40 5795MHz Ant3 Peak



Restrict Band NVNT n40 5795MHz Ant3 Average

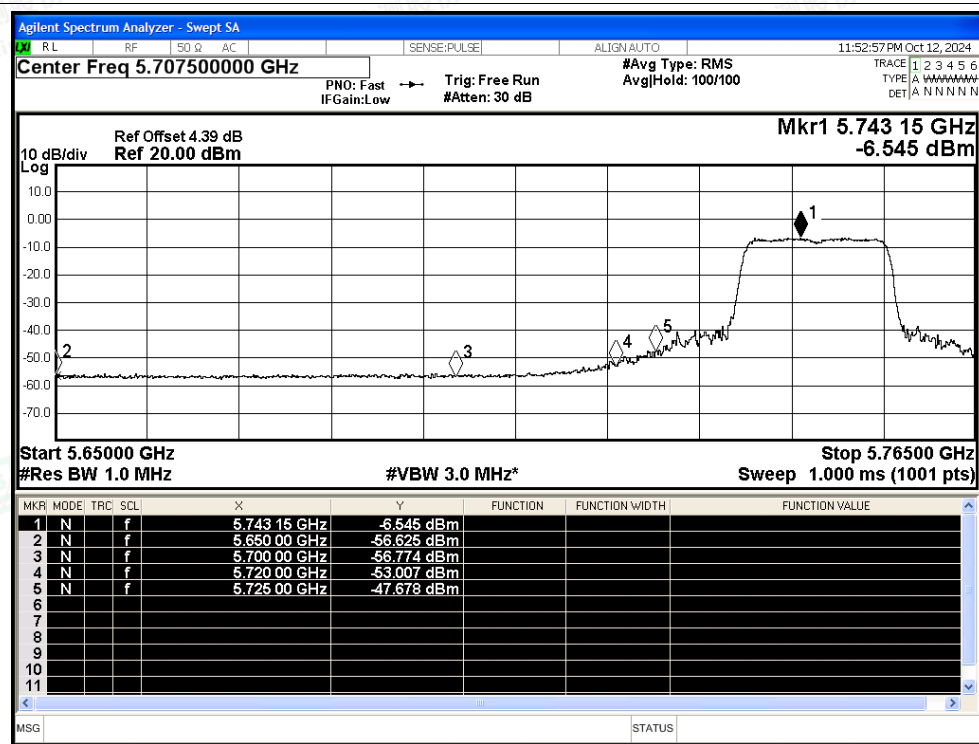




Restrict Band NVNT ac20 5745MHz Ant3 Peak

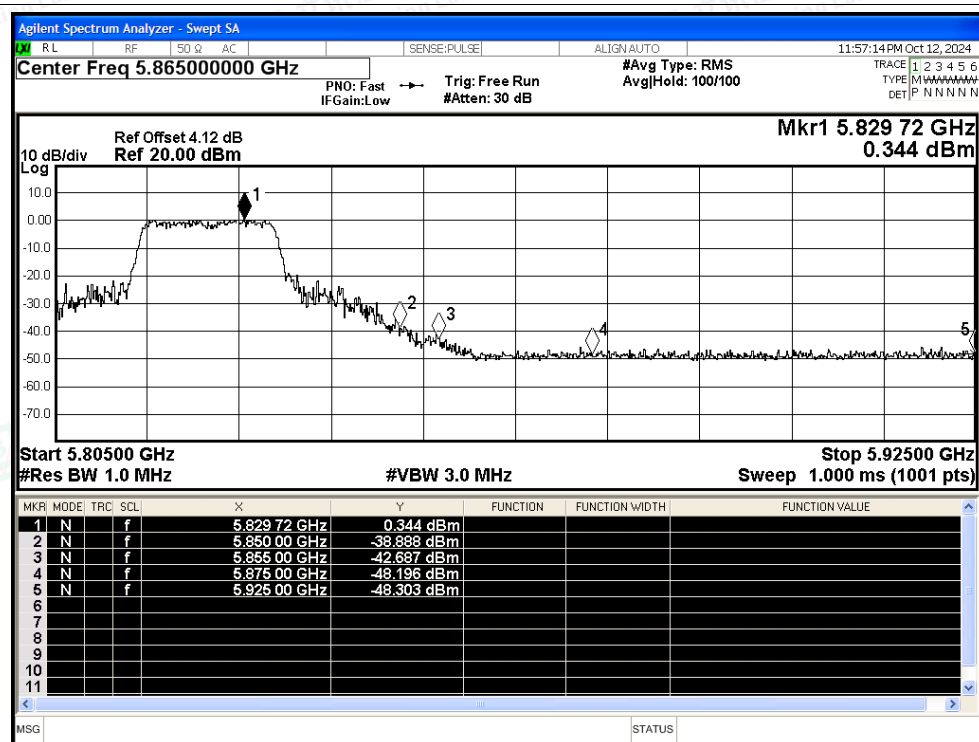


Restrict Band NVNT ac20 5745MHz Ant3 Average

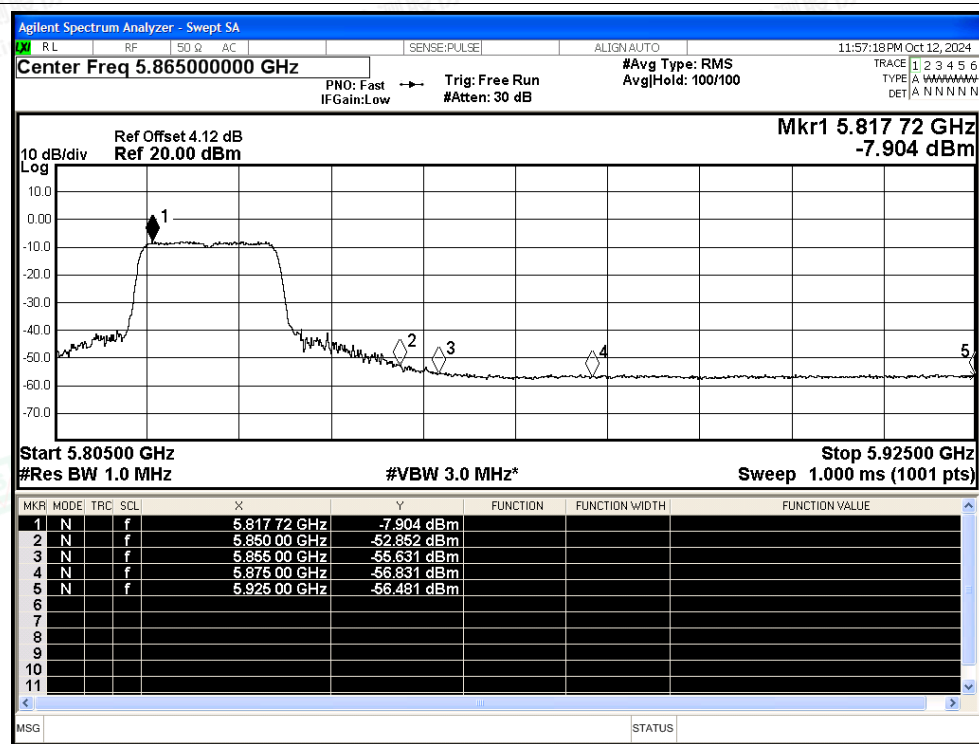




Restrict Band NVNT ac20 5825MHz Ant3 Peak

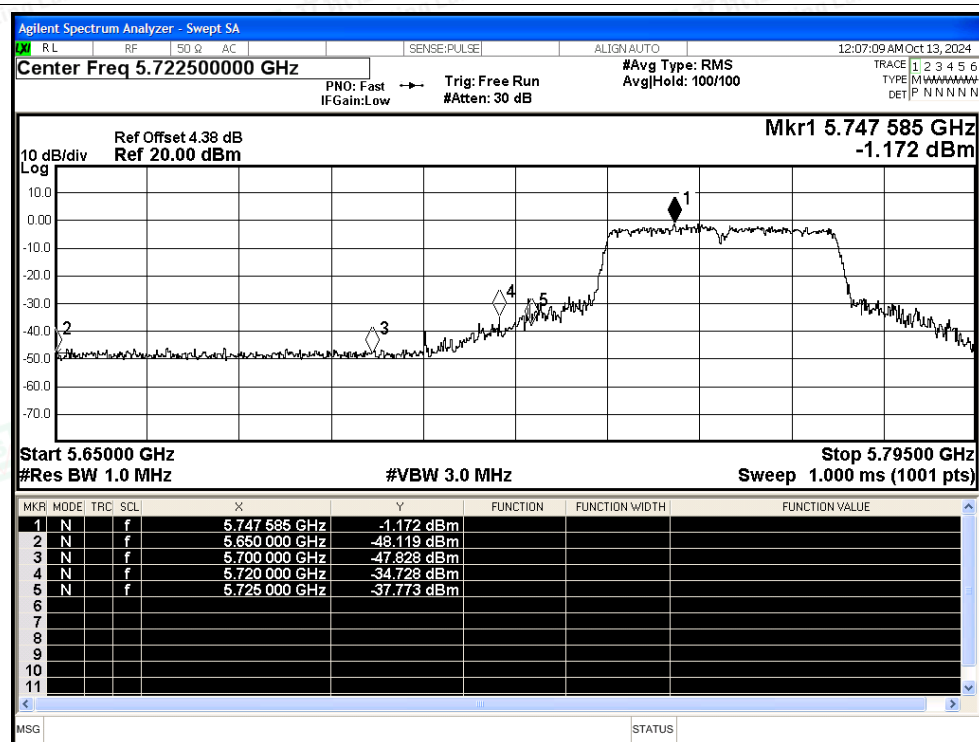


Restrict Band NVNT ac20 5825MHz Ant3 Average

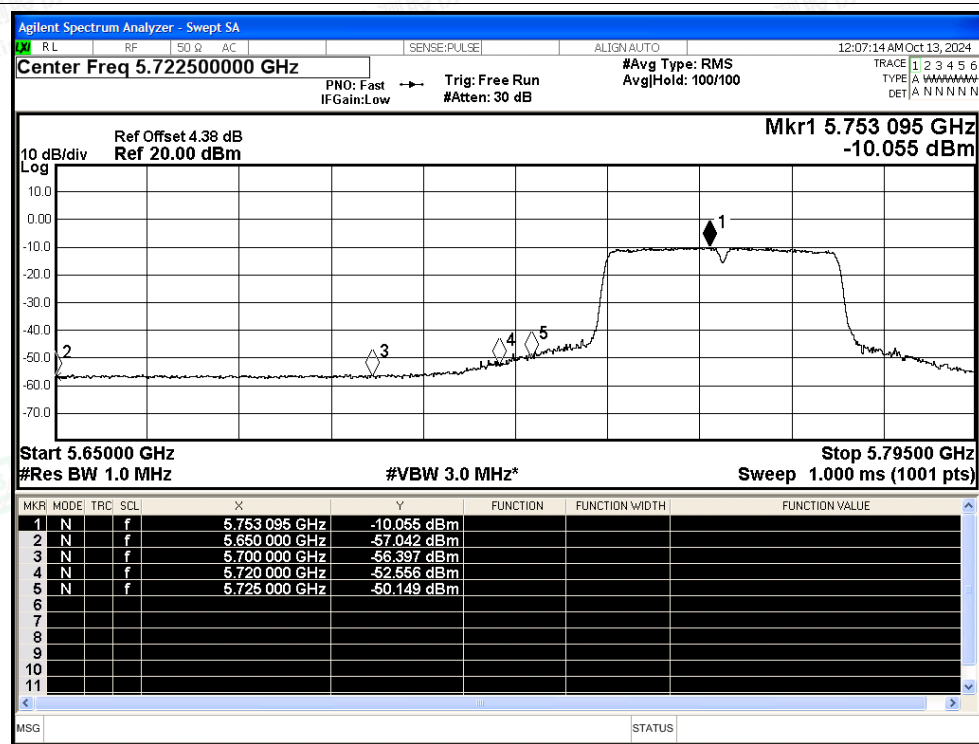




Restrict Band NVNT ac40 5755MHz Ant3 Peak



Restrict Band NVNT ac40 5755MHz Ant3 Average



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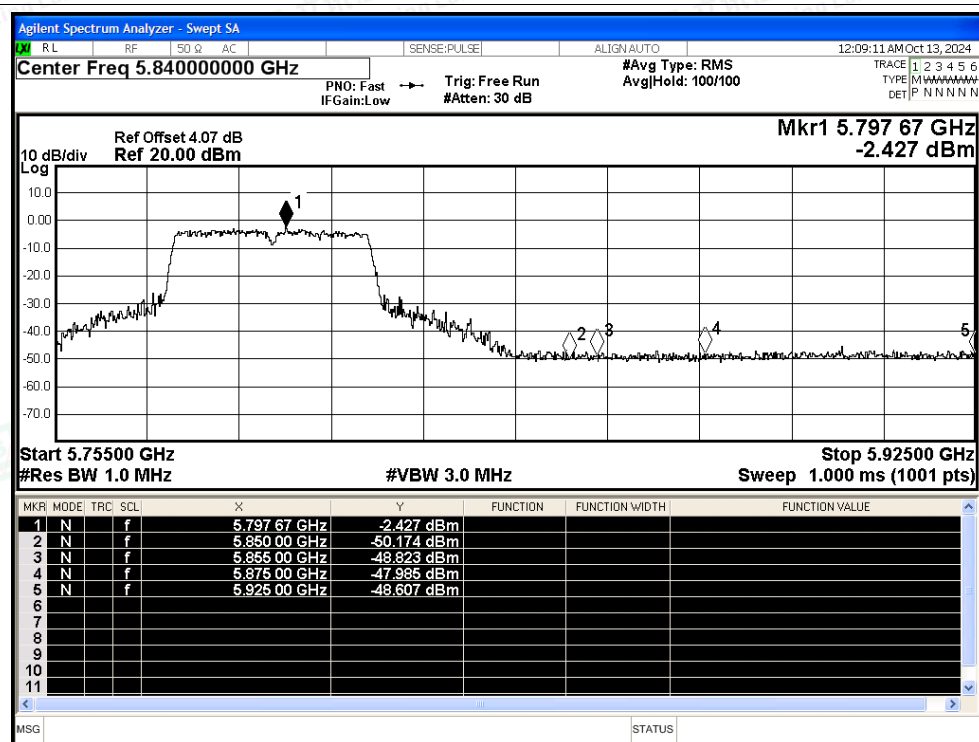
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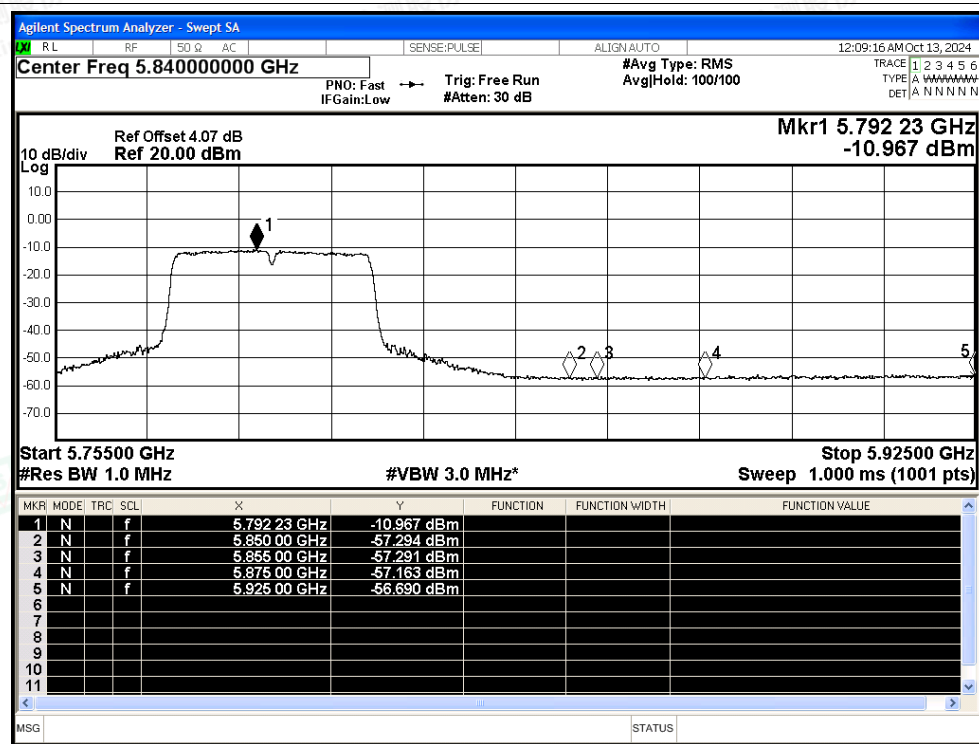
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Restrict Band NVNT ac40 5795MHz Ant3 Peak

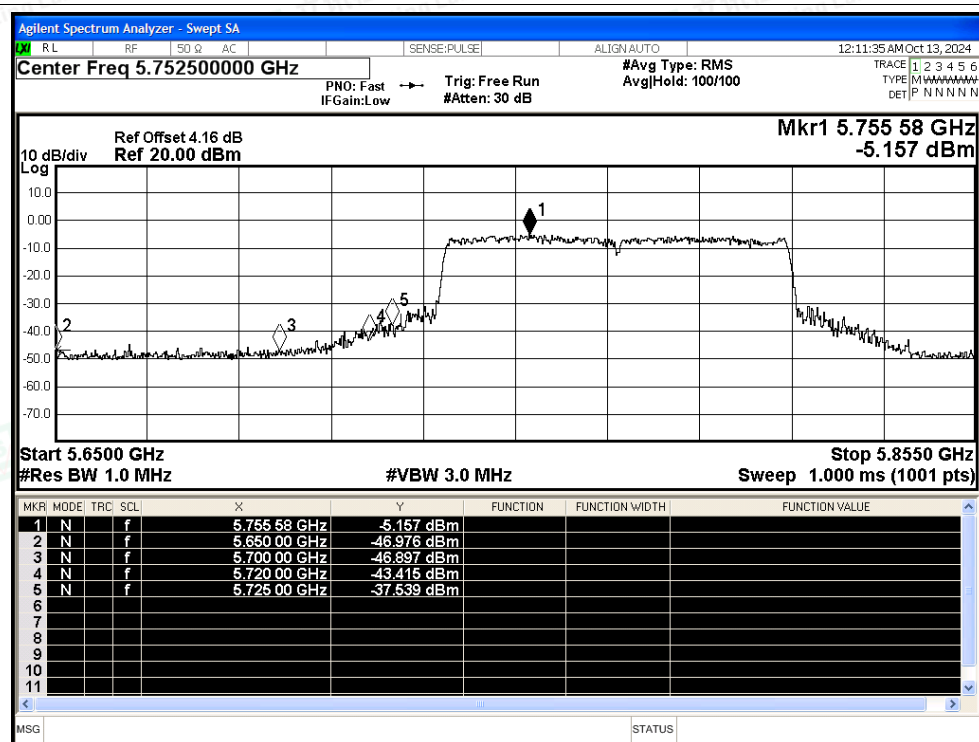


Restrict Band NVNT ac40 5795MHz Ant3 Average

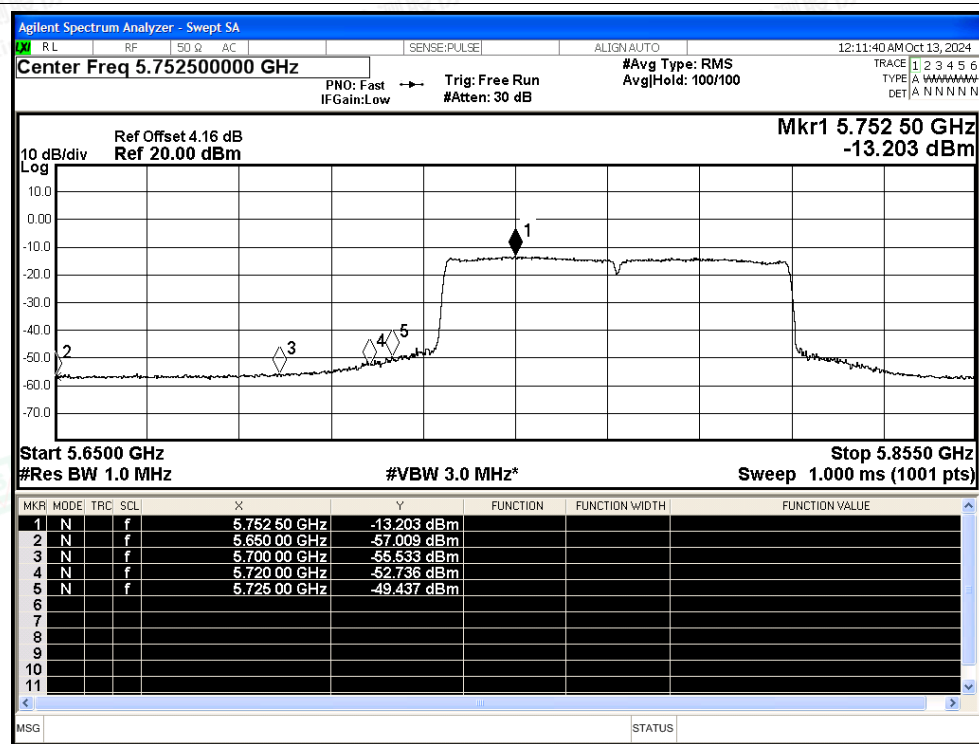




Restrict Band NVNT ac80 5775MHz Ant3 Peak

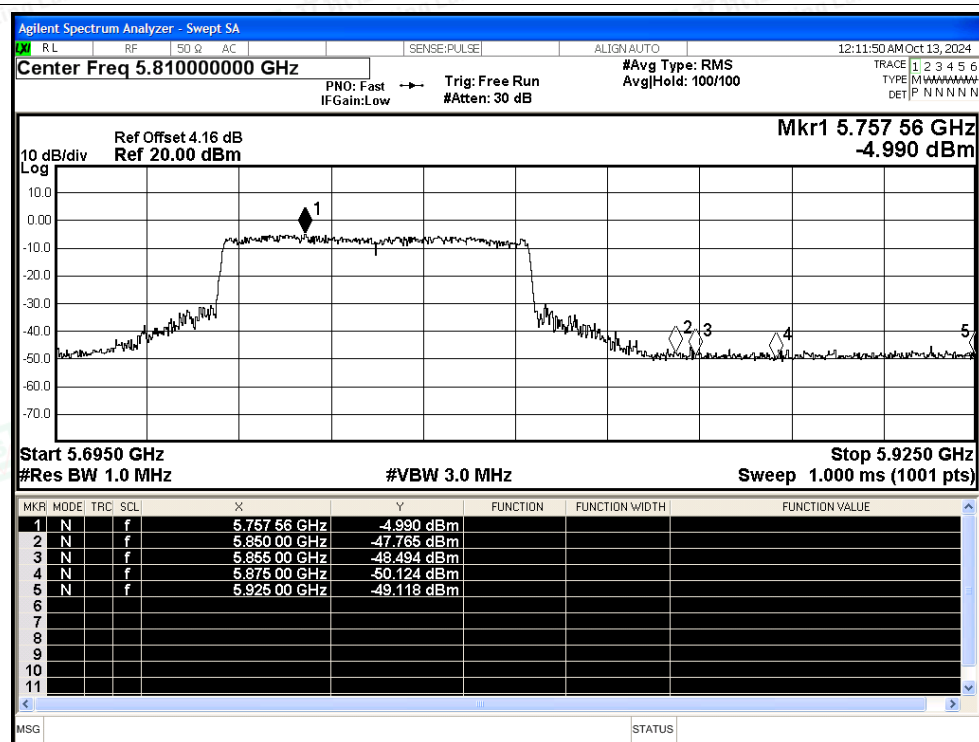


Restrict Band NVNT ac80 5775MHz Ant3 Average

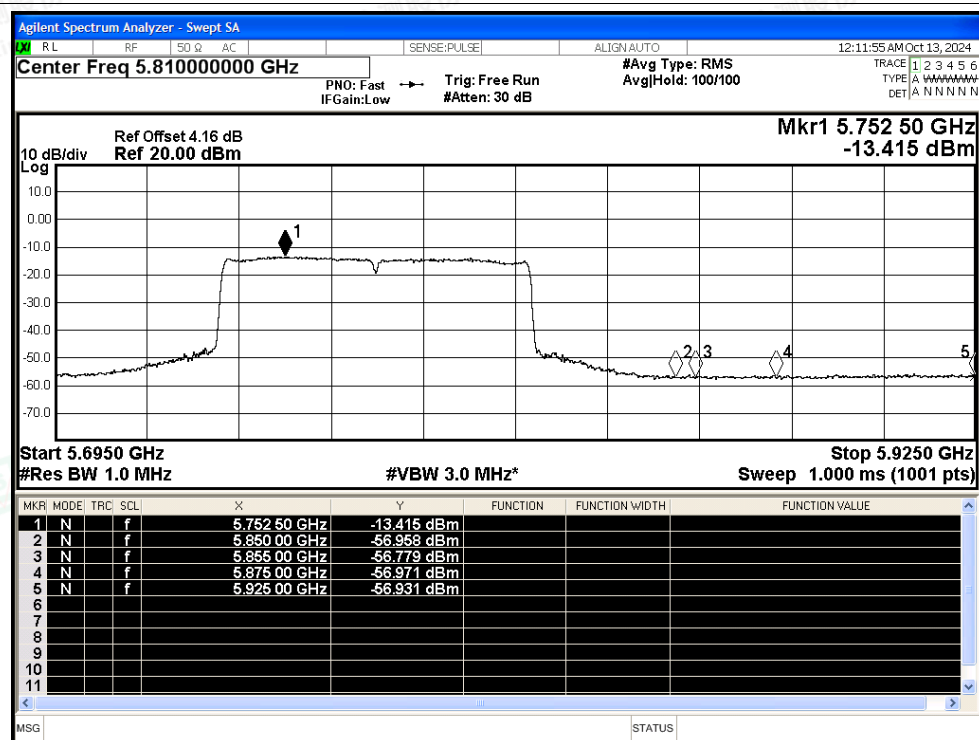




Restrict Band NVNT ac80 5775MHz Ant3 Peak

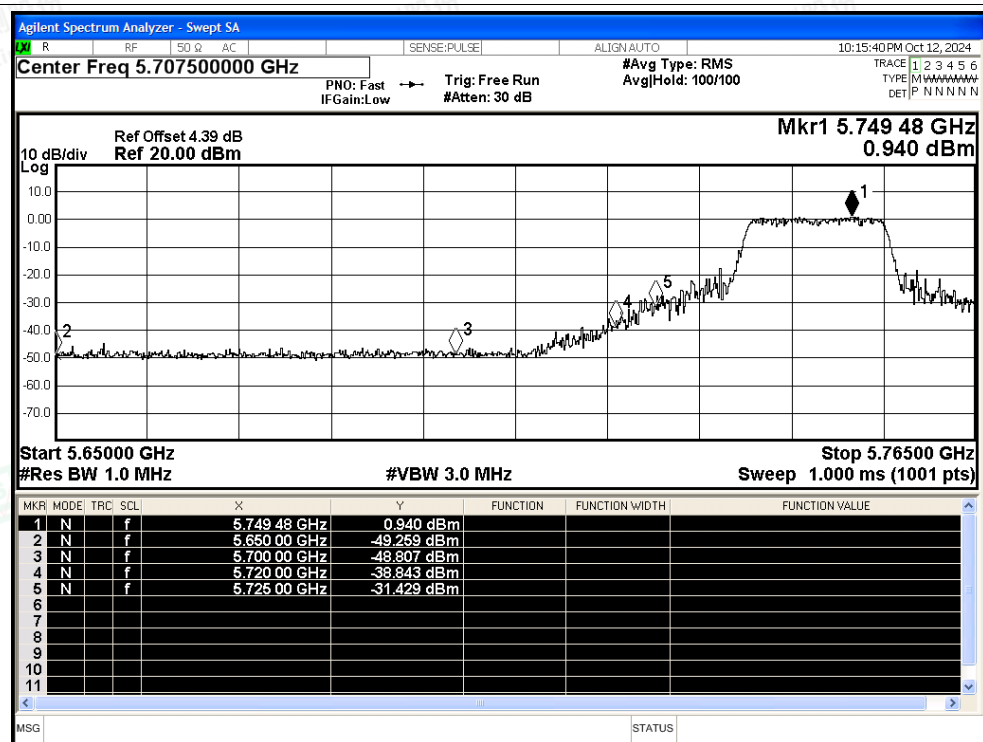


Restrict Band NVNT ac80 5775MHz Ant3 Average

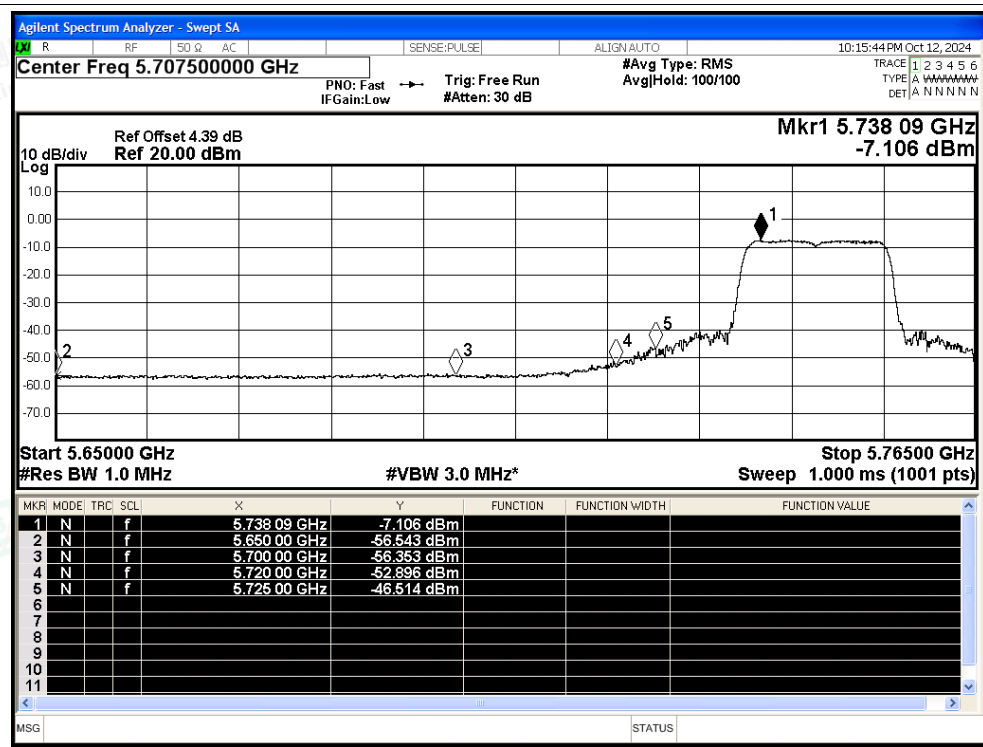


Restrict Band NVNT ax20 5745MHz Ant3 Peak



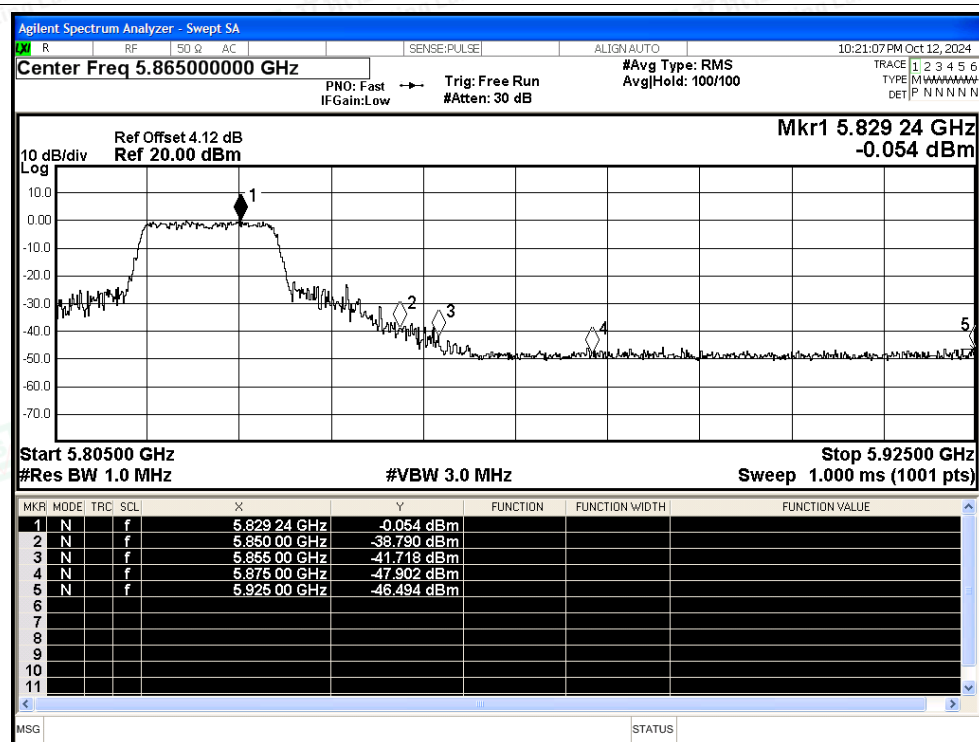


Restrict Band NVNT ax20 5745MHz Ant3 Average

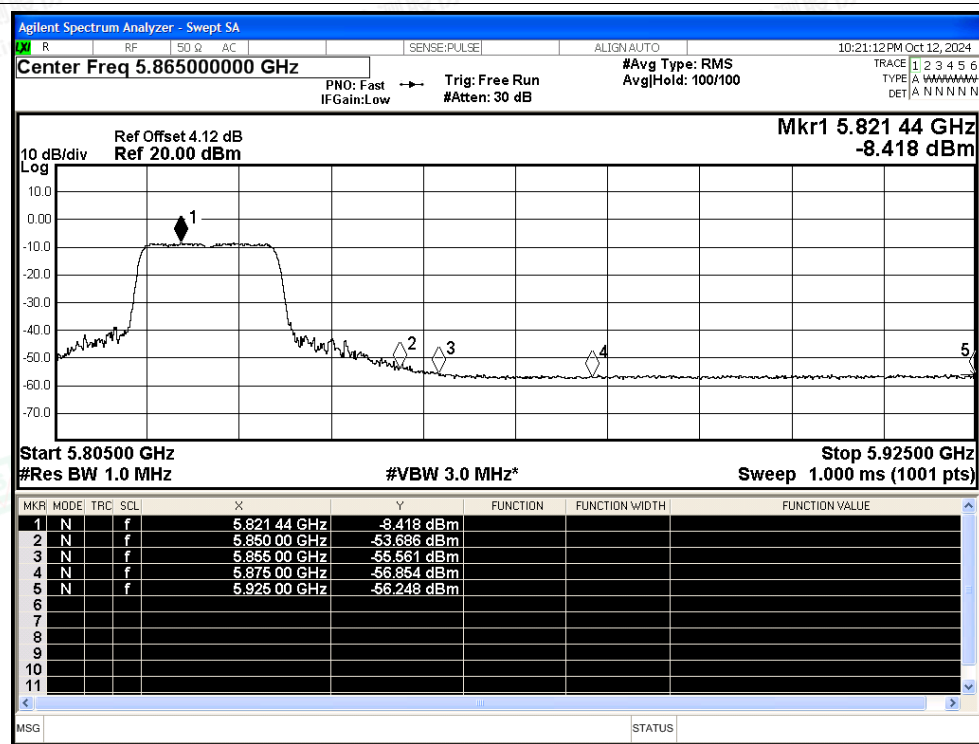




Restrict Band NVNT ax20 5825MHz Ant3 Peak

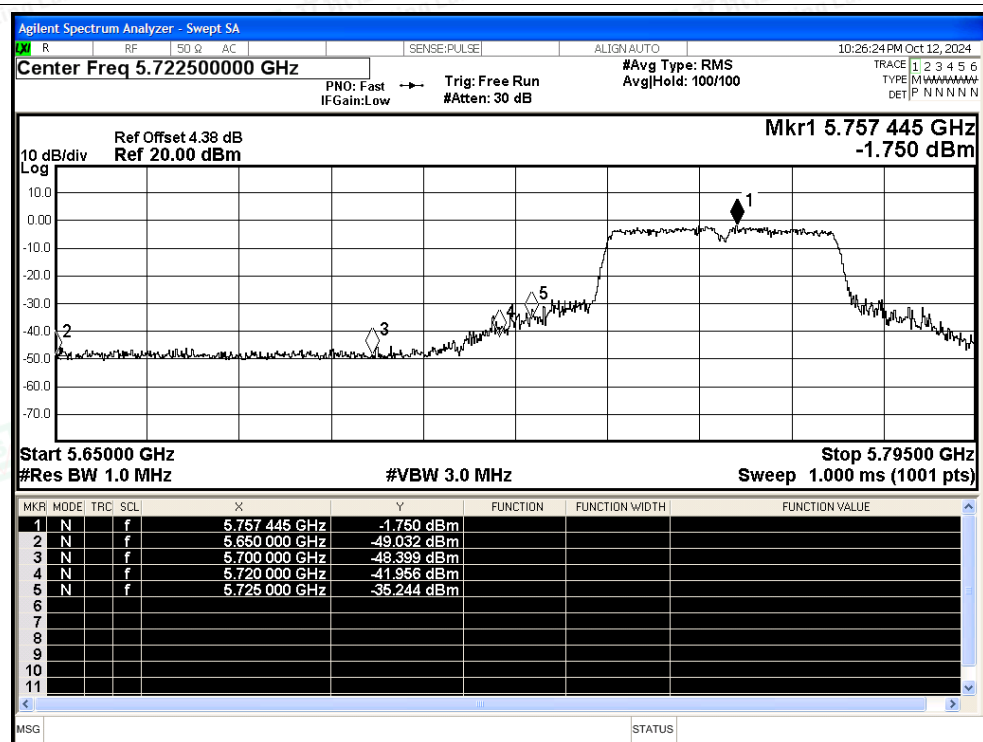


Restrict Band NVNT ax20 5825MHz Ant3 Average

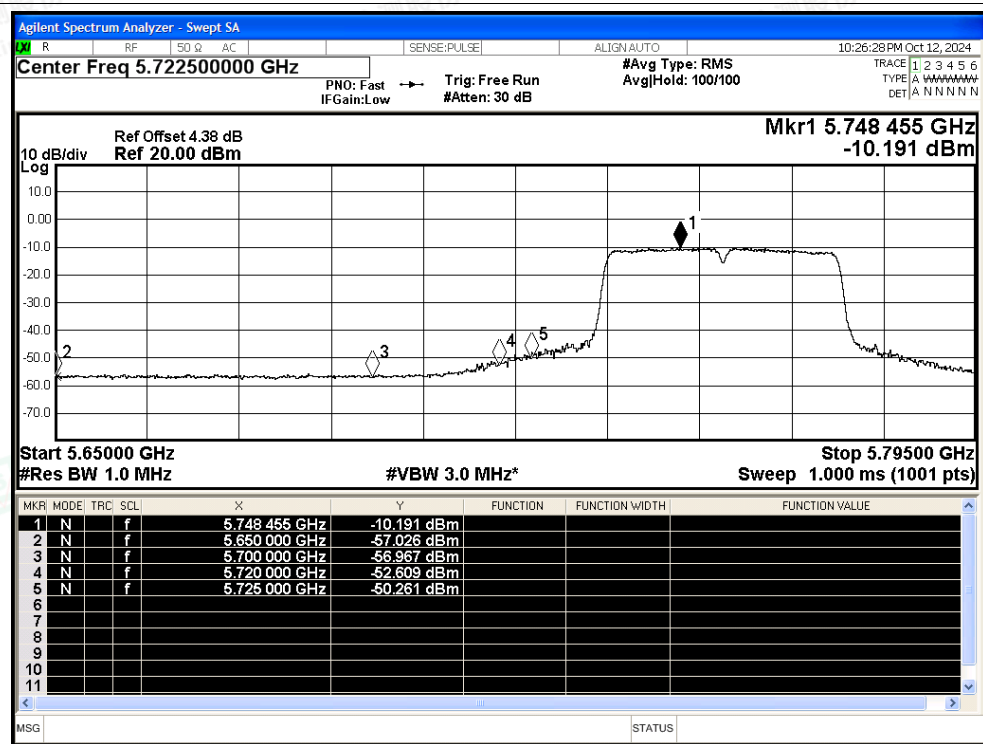




Restrict Band NVNT ax40 5755MHz Ant3 Peak

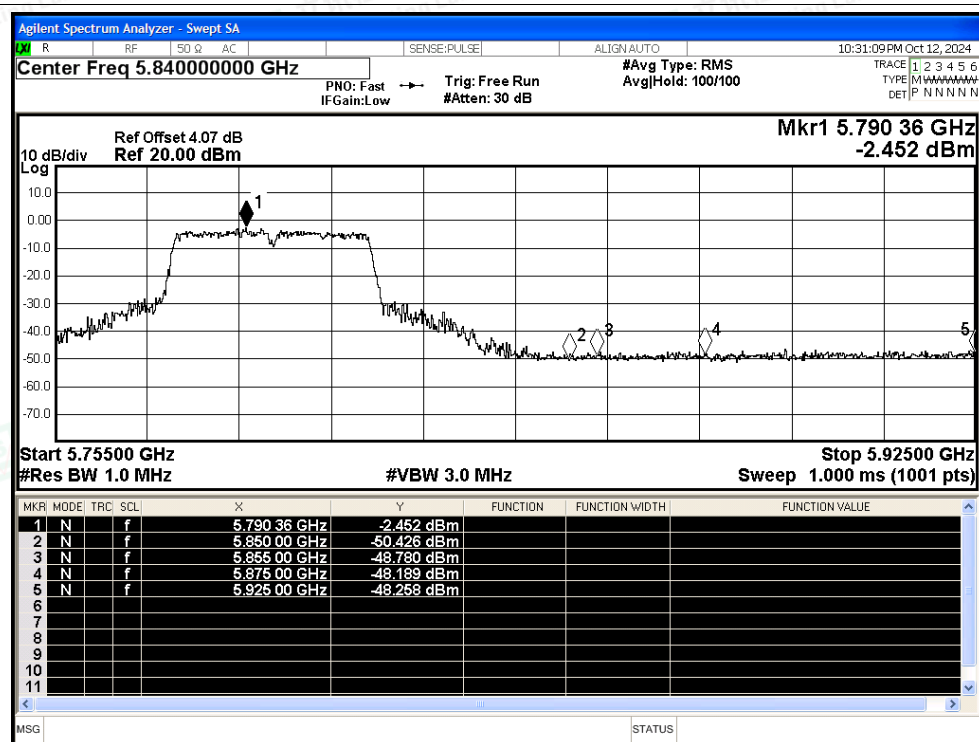


Restrict Band NVNT ax40 5755MHz Ant3 Average

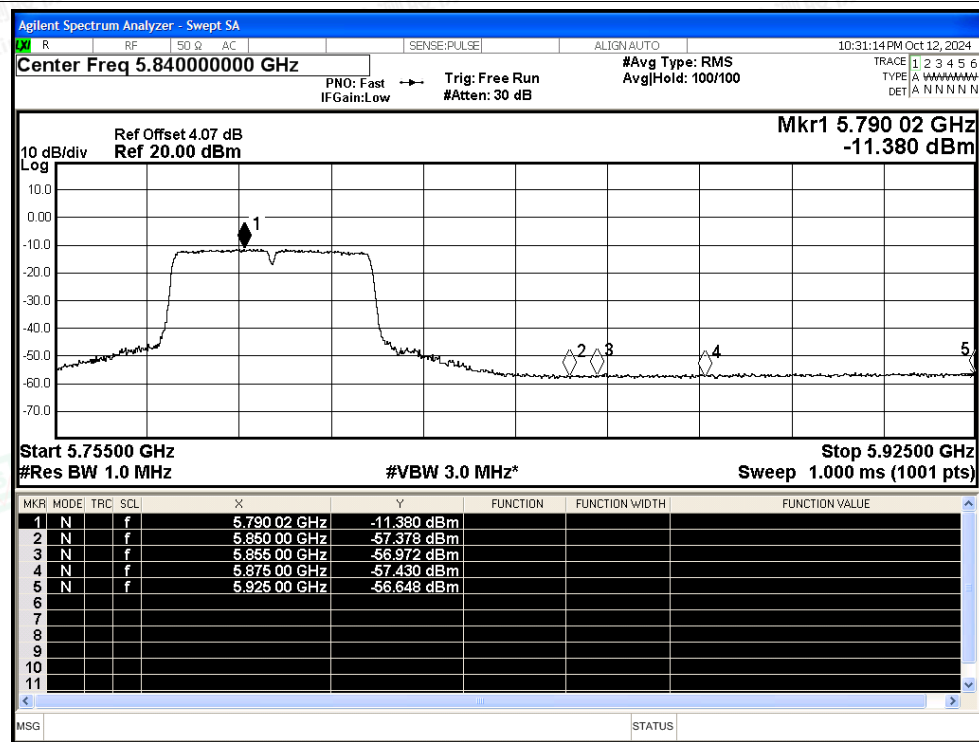




Restrict Band NVNT ax40 5795MHz Ant3 Peak



Restrict Band NVNT ax40 5795MHz Ant3 Average



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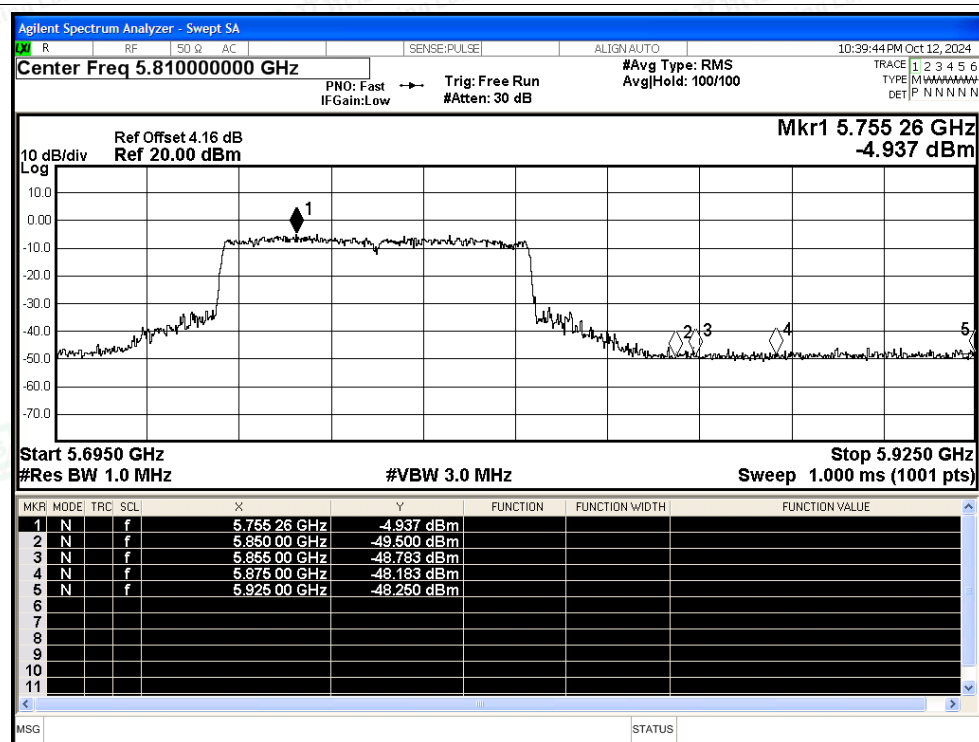
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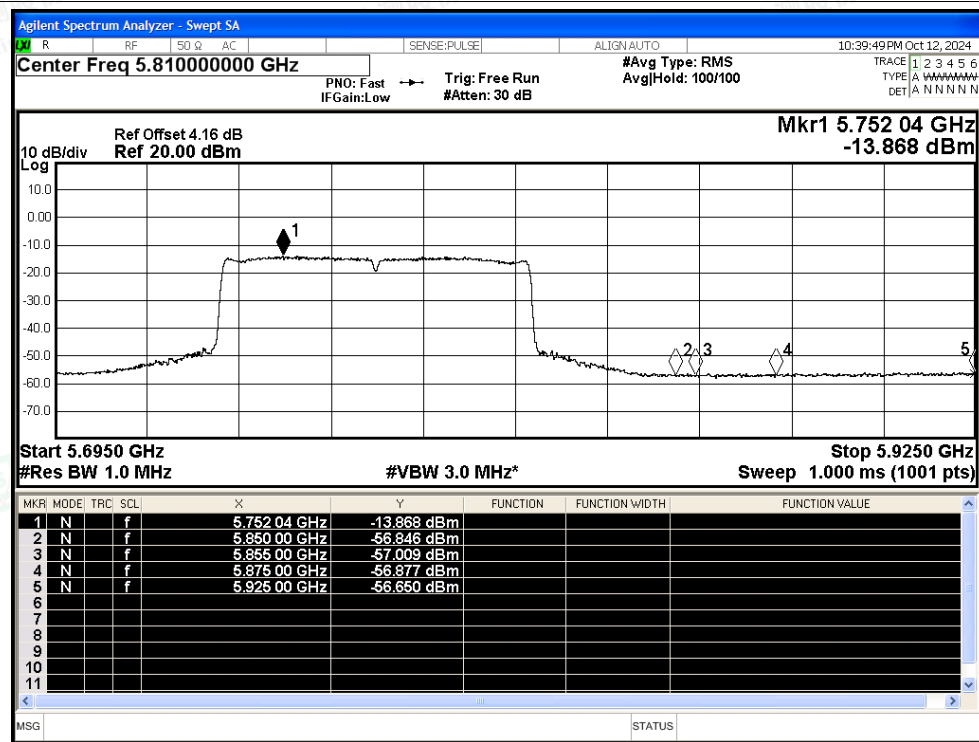
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Restrict Band NVNT ax80 5775MHz Ant3 Peak

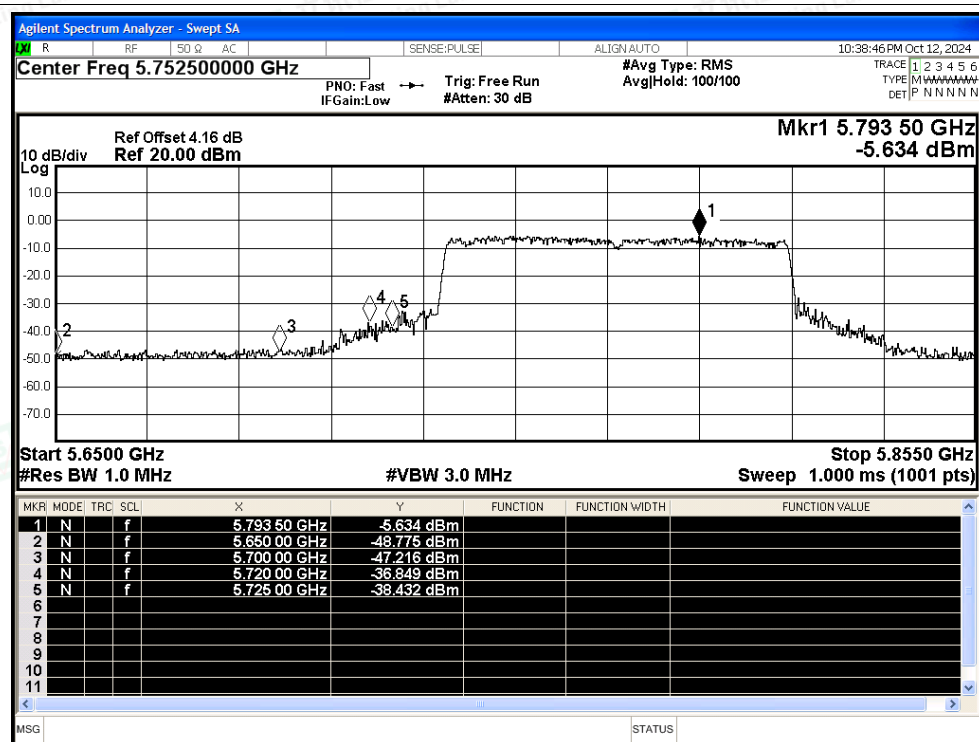


Restrict Band NVNT ax80 5775MHz Ant3 Average

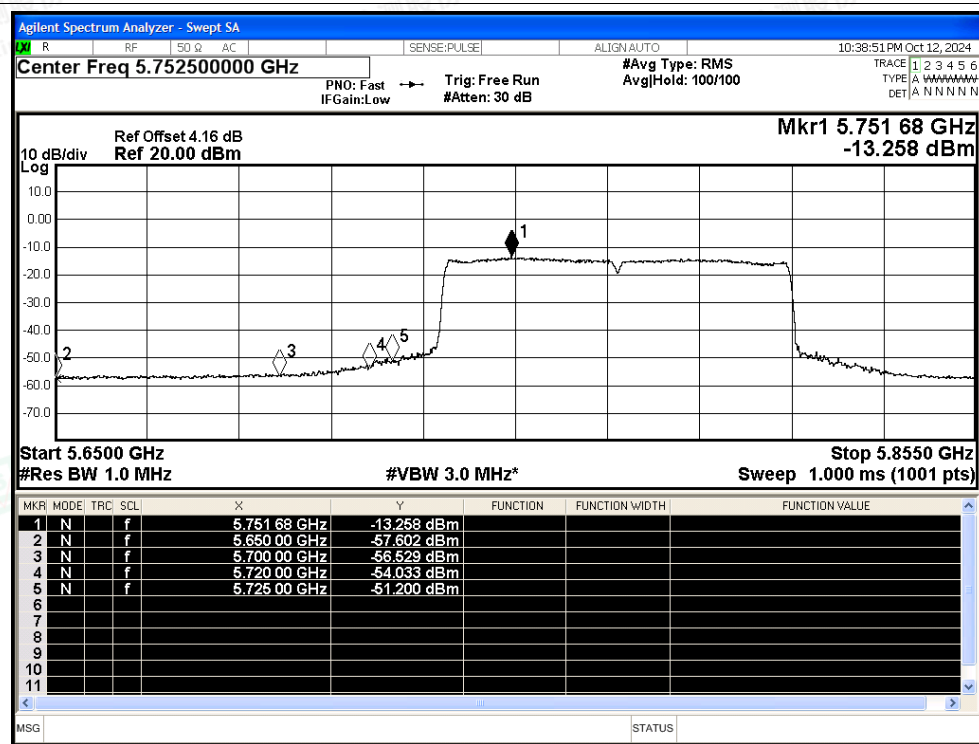




Restrict Band NVNT ax80 5775MHz Ant3 Peak



Restrict Band NVNT ax80 5775MHz Ant3 Average





Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	EIRP Power (dBm)	Detector	Limit (dBm)	Verdict
NVNT	a	5745	Ant4	5650	-47.53	5.19	-	-42.34	Peak	-27	Pass
NVNT	a	5745	Ant4	5650	-56.7	5.19	0.24	-51.27	Average	-27	Pass
NVNT	a	5745	Ant4	5700	-49.22	5.19	-	-44.03	Peak	10	Pass
NVNT	a	5745	Ant4	5700	-56.14	5.19	0.24	-50.71	Average	10	Pass
NVNT	a	5745	Ant4	5720	-41.76	5.19	-	-36.57	Peak	15.6	Pass
NVNT	a	5745	Ant4	5720	-52.89	5.19	0.24	-47.46	Average	15.6	Pass
NVNT	a	5745	Ant4	5725	-35.12	5.19	-	-29.93	Peak	27	Pass
NVNT	a	5745	Ant4	5725	-50.21	5.19	0.24	-44.78	Average	27	Pass
NVNT	a	5825	Ant4	5850	-41.12	5.19	-	-35.93	Peak	27	Pass
NVNT	a	5825	Ant4	5850	-55.63	5.19	0.24	-50.20	Average	27	Pass
NVNT	a	5825	Ant4	5855	-47.48	5.19	-	-42.29	Peak	15.6	Pass
NVNT	a	5825	Ant4	5855	-55.87	5.19	0.24	-50.44	Average	15.6	Pass
NVNT	a	5825	Ant4	5875	-48.26	5.19	-	-43.07	Peak	10	Pass
NVNT	a	5825	Ant4	5875	-56.69	5.19	0.24	-51.26	Average	10	Pass
NVNT	a	5825	Ant4	5925	-49.5	5.19	-	-44.31	Peak	-27	Pass
NVNT	a	5825	Ant4	5925	-56.85	5.19	0.24	-51.42	Average	-27	Pass
NVNT	n20	5745	Ant4	5650	-48.72	5.19	-	-43.53	Peak	-27	Pass
NVNT	n20	5745	Ant4	5650	-56.92	5.19	0.28	-51.45	Average	-27	Pass
NVNT	n20	5745	Ant4	5700	-47.79	5.19	-	-42.60	Peak	10	Pass
NVNT	n20	5745	Ant4	5700	-56.34	5.19	0.28	-50.87	Average	10	Pass
NVNT	n20	5745	Ant4	5720	-41.72	5.19	-	-36.53	Peak	15.6	Pass
NVNT	n20	5745	Ant4	5720	-51.94	5.19	0.28	-46.47	Average	15.6	Pass
NVNT	n20	5745	Ant4	5725	-30.04	5.19	-	-24.85	Peak	27	Pass
NVNT	n20	5745	Ant4	5725	-47.4	5.19	0.28	-41.93	Average	27	Pass
NVNT	n20	5825	Ant4	5850	-40.88	5.19	-	-35.69	Peak	27	Pass
NVNT	n20	5825	Ant4	5850	-52.58	5.19	0.28	-47.11	Average	27	Pass
NVNT	n20	5825	Ant4	5855	-43.85	5.19	-	-38.66	Peak	15.6	Pass
NVNT	n20	5825	Ant4	5855	-55.96	5.19	0.28	-50.49	Average	15.6	Pass
NVNT	n20	5825	Ant4	5875	-48.88	5.19	-	-43.69	Peak	10	Pass
NVNT	n20	5825	Ant4	5875	-57.09	5.19	0.28	-51.62	Average	10	Pass
NVNT	n20	5825	Ant4	5925	-48.51	5.19	-	-43.32	Peak	-27	Pass
NVNT	n20	5825	Ant4	5925	-56.83	5.19	0.28	-51.36	Average	-27	Pass
NVNT	n40	5755	Ant4	5650	-47.58	5.19	-	-42.39	Peak	-27	Pass
NVNT	n40	5755	Ant4	5650	-56.58	5.19	0.12	-51.27	Average	-27	Pass
NVNT	n40	5755	Ant4	5700	-48.83	5.19	-	-43.64	Peak	10	Pass
NVNT	n40	5755	Ant4	5700	-56.89	5.19	0.12	-51.58	Average	10	Pass
NVNT	n40	5755	Ant4	5720	-41.94	5.19	-	-36.75	Peak	15.6	Pass
NVNT	n40	5755	Ant4	5720	-51.91	5.19	0.12	-46.60	Average	15.6	Pass



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