



Appendix D

RF Test Data for 5.8GWIFI (Conducted Measurement)

Product Name: Notebook

Test Model: WWK14C4BK128

Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
Supervised by:	Li Huan



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D.1 -6dB Bandwidth

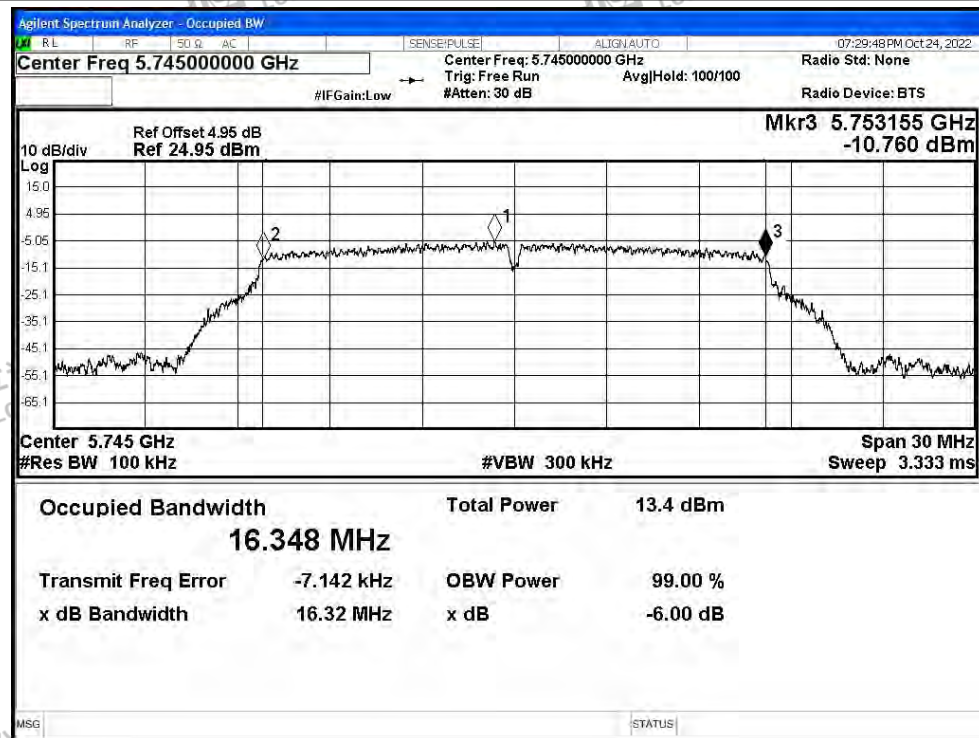
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.324	≥ 0.5	Pass
NVNT	a	5785	Ant1	16.043	≥ 0.5	Pass
NVNT	a	5825	Ant1	16.32	≥ 0.5	Pass
NVNT	n20	5745	Ant1	17.582	≥ 0.5	Pass
NVNT	n20	5785	Ant1	17.552	≥ 0.5	Pass
NVNT	n20	5825	Ant1	17.574	≥ 0.5	Pass
NVNT	n40	5755	Ant1	35.675	≥ 0.5	Pass
NVNT	n40	5795	Ant1	35.9	≥ 0.5	Pass
NVNT	ac20	5745	Ant1	17.583	≥ 0.5	Pass
NVNT	ac20	5785	Ant1	17.581	≥ 0.5	Pass
NVNT	ac20	5825	Ant1	17.287	≥ 0.5	Pass
NVNT	ac40	5755	Ant1	35.679	≥ 0.5	Pass
NVNT	ac40	5795	Ant1	36.035	≥ 0.5	Pass
NVNT	ac80	5775	Ant1	74.712	≥ 0.5	Pass





Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1

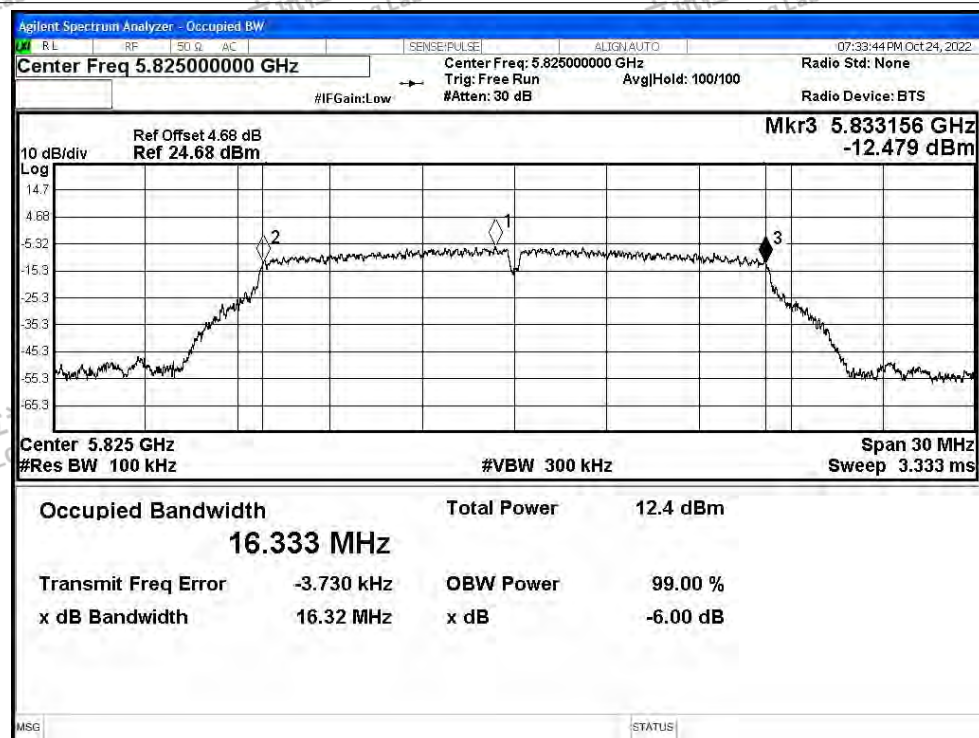


-6dB Bandwidth NVNT a 5785MHz Ant1

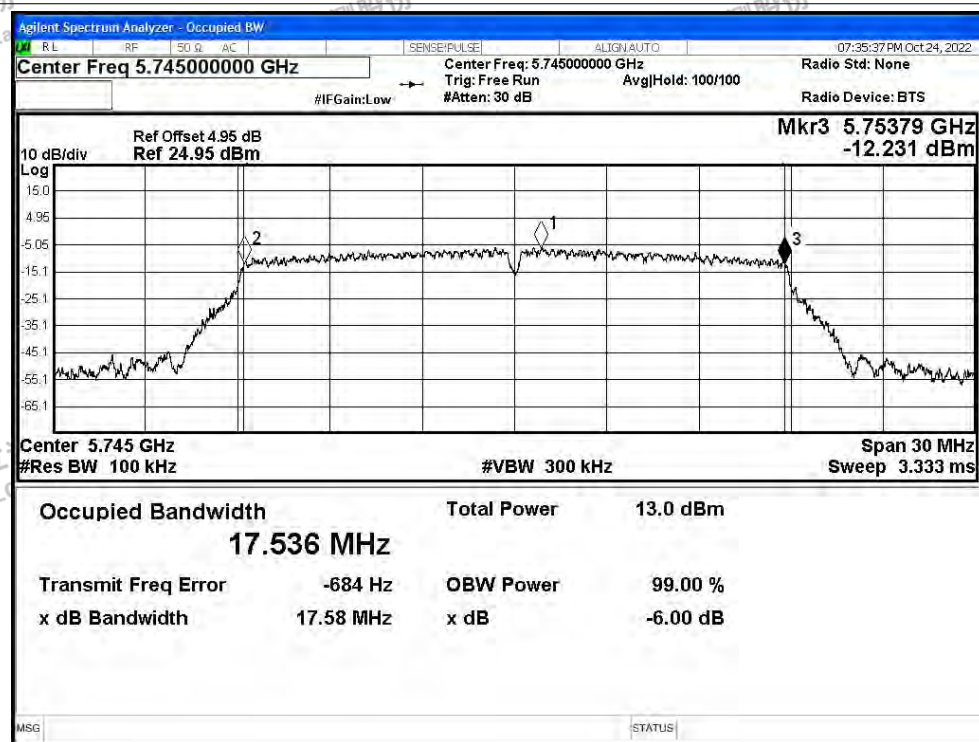




-6dB Bandwidth NVNT a 5825MHz Ant1

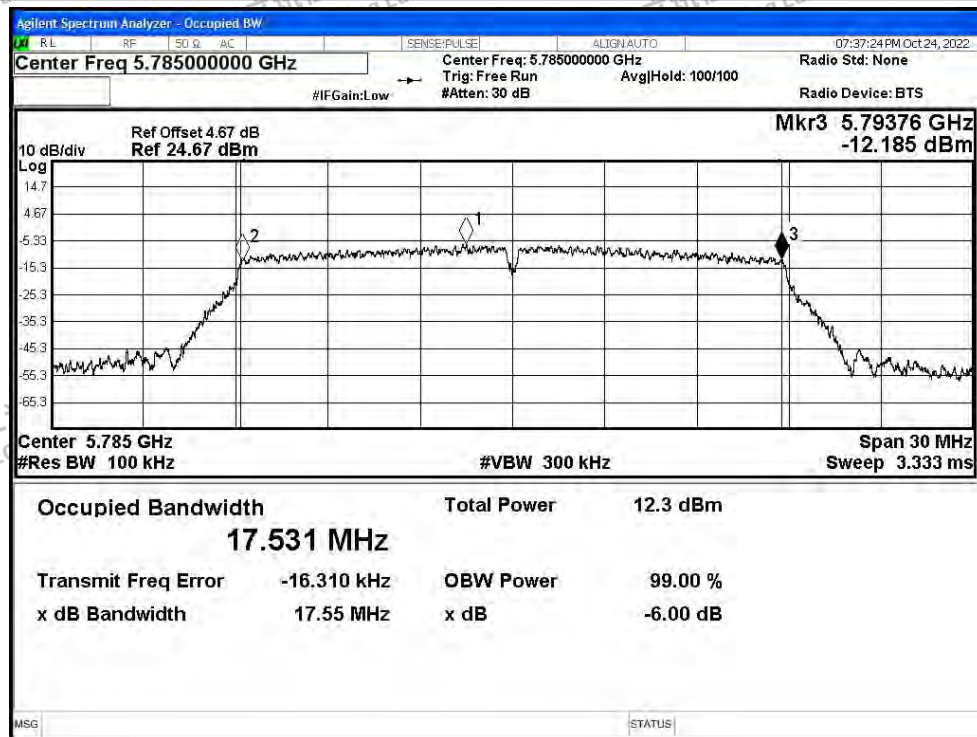


-6dB Bandwidth NVNT n20 5745MHz Ant1





-6dB Bandwidth NVNT n20 5785MHz Ant1

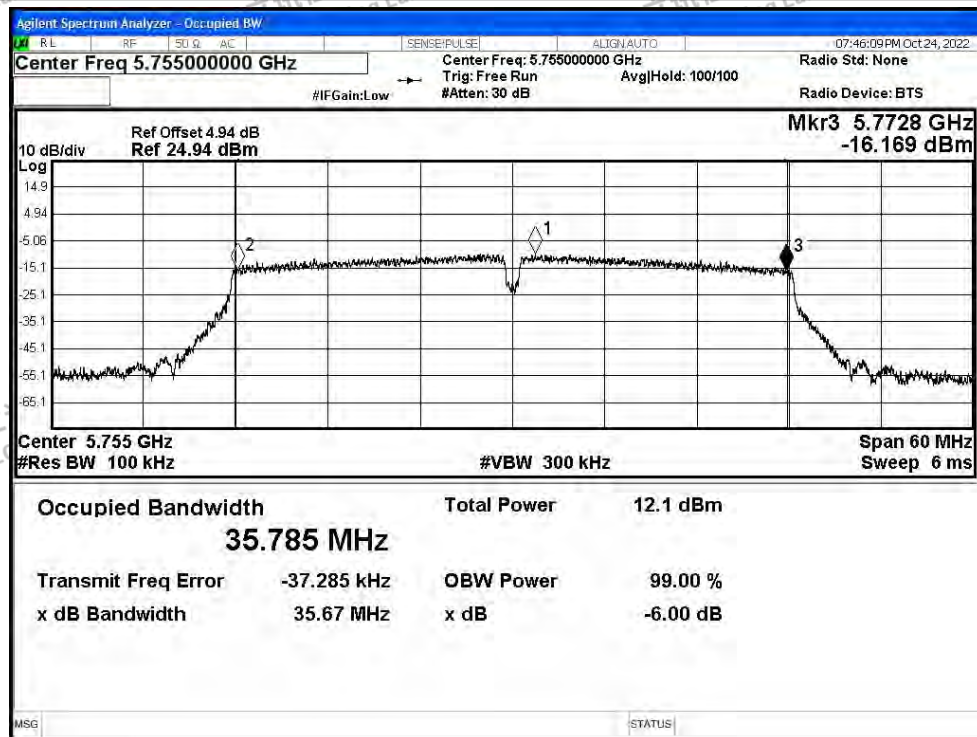


-6dB Bandwidth NVNT n20 5825MHz Ant1

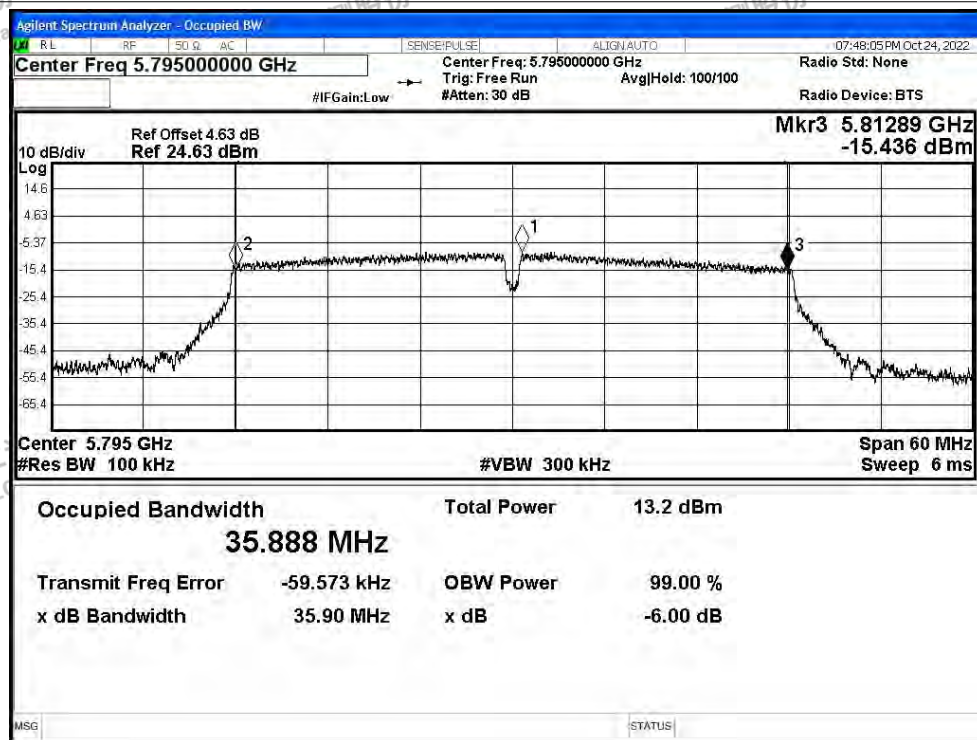




-6dB Bandwidth NVNT n40 5755MHz Ant1

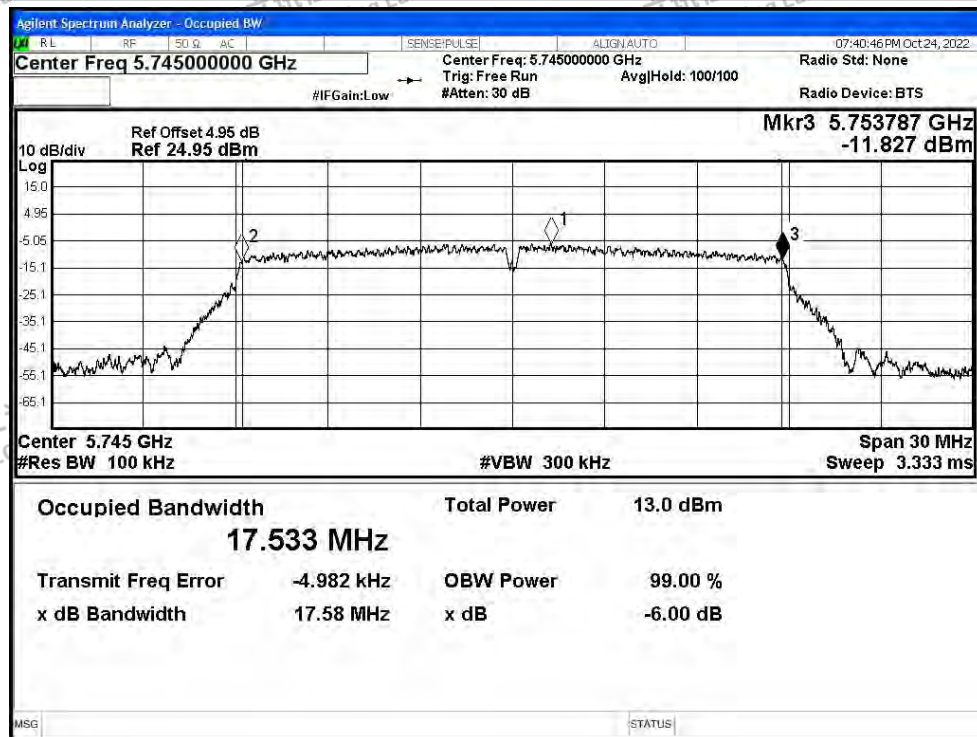


-6dB Bandwidth NVNT n40 5795MHz Ant1

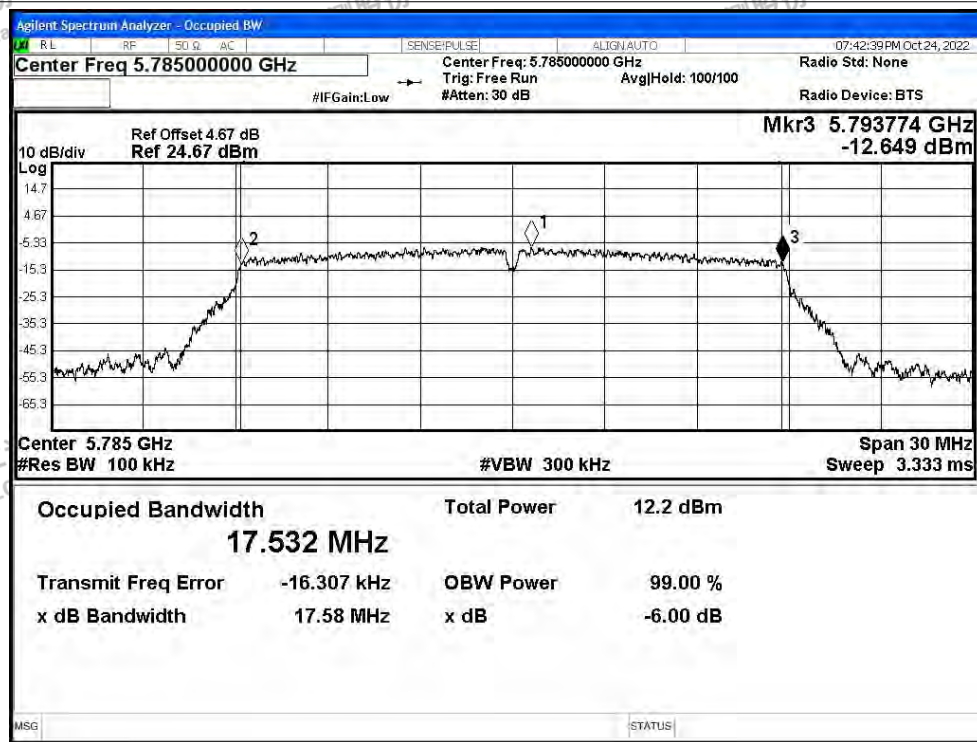




-6dB Bandwidth NVNT ac20 5745MHz Ant1

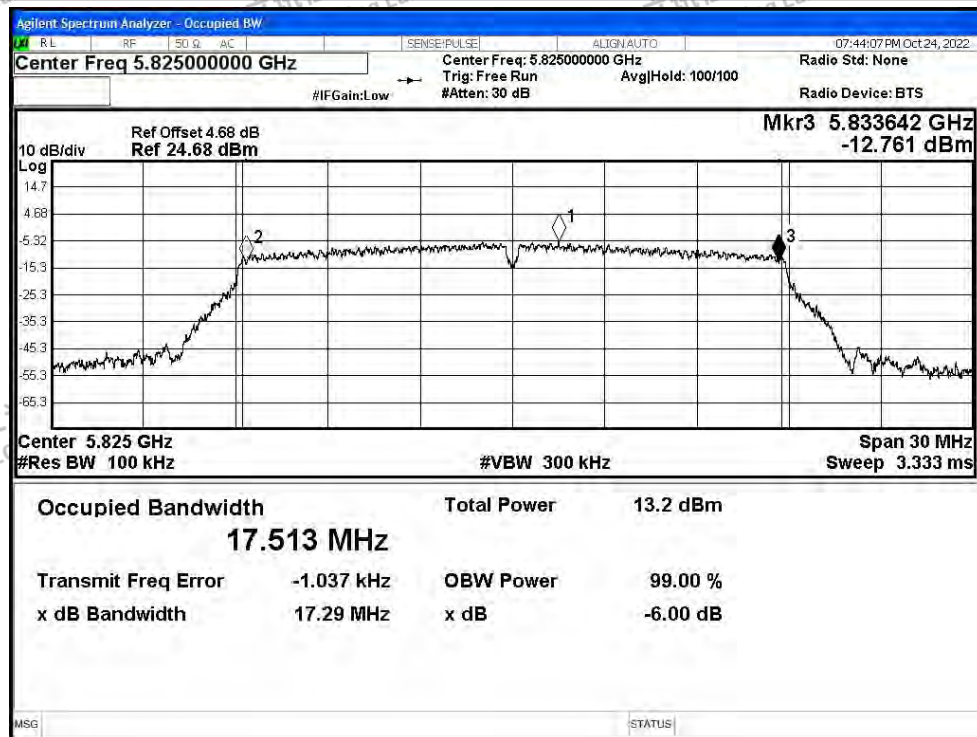


-6dB Bandwidth NVNT ac20 5785MHz Ant1





-6dB Bandwidth NVNT ac20 5825MHz Ant1

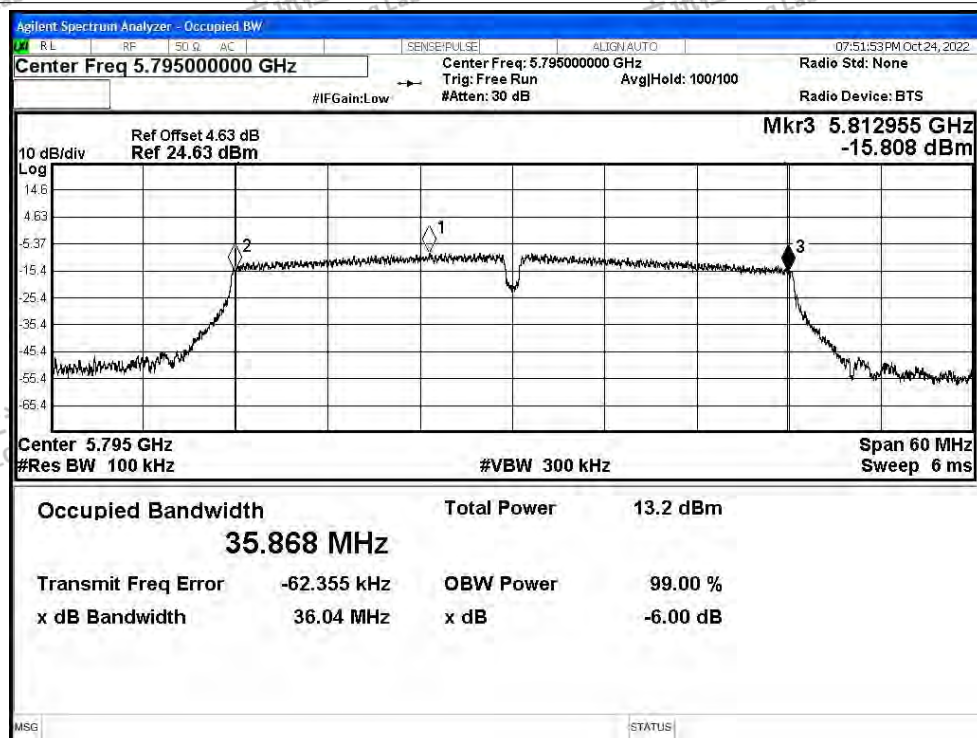


-6dB Bandwidth NVNT ac40 5755MHz Ant1

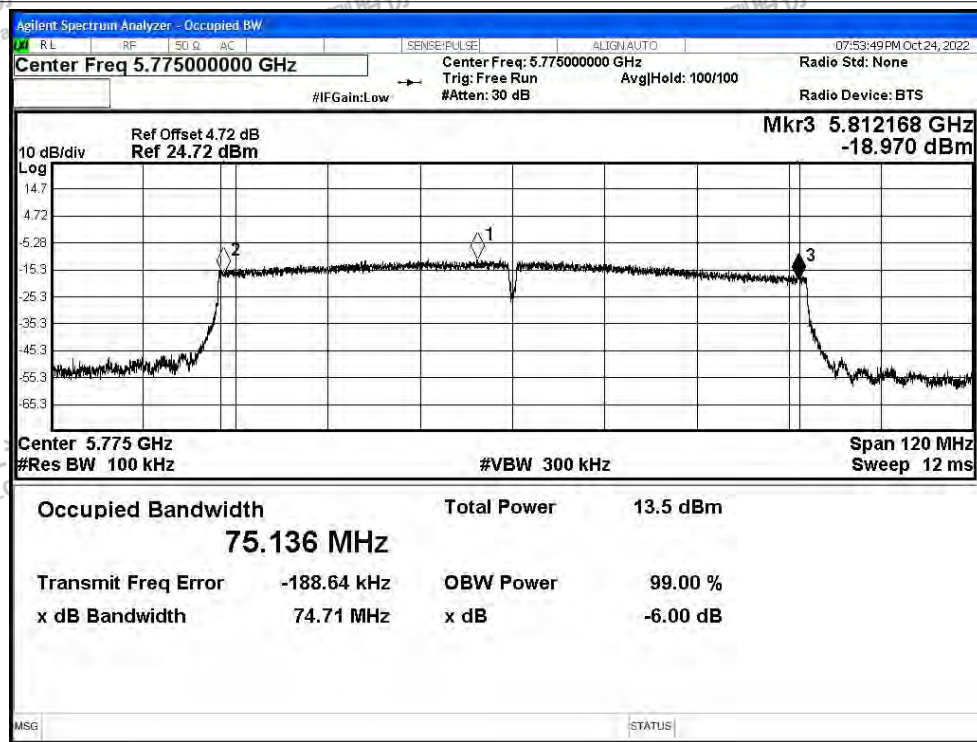




-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1





Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant2	16.332	≥ 0.5	Pass
NVNT	a	5785	Ant2	16.068	≥ 0.5	Pass
NVNT	a	5825	Ant2	16.317	≥ 0.5	Pass
NVNT	n20	5745	Ant2	17.606	≥ 0.5	Pass
NVNT	n20	5785	Ant2	17.576	≥ 0.5	Pass
NVNT	n20	5825	Ant2	17.557	≥ 0.5	Pass
NVNT	n40	5755	Ant2	35.667	≥ 0.5	Pass
NVNT	n40	5795	Ant2	36.085	≥ 0.5	Pass
NVNT	ac20	5745	Ant2	17.548	≥ 0.5	Pass
NVNT	ac20	5785	Ant2	17.586	≥ 0.5	Pass
NVNT	ac20	5825	Ant2	17.557	≥ 0.5	Pass
NVNT	ac40	5755	Ant2	35.92	≥ 0.5	Pass
NVNT	ac40	5795	Ant2	35.924	≥ 0.5	Pass
NVNT	ac80	5775	Ant2	74.075	≥ 0.5	Pass

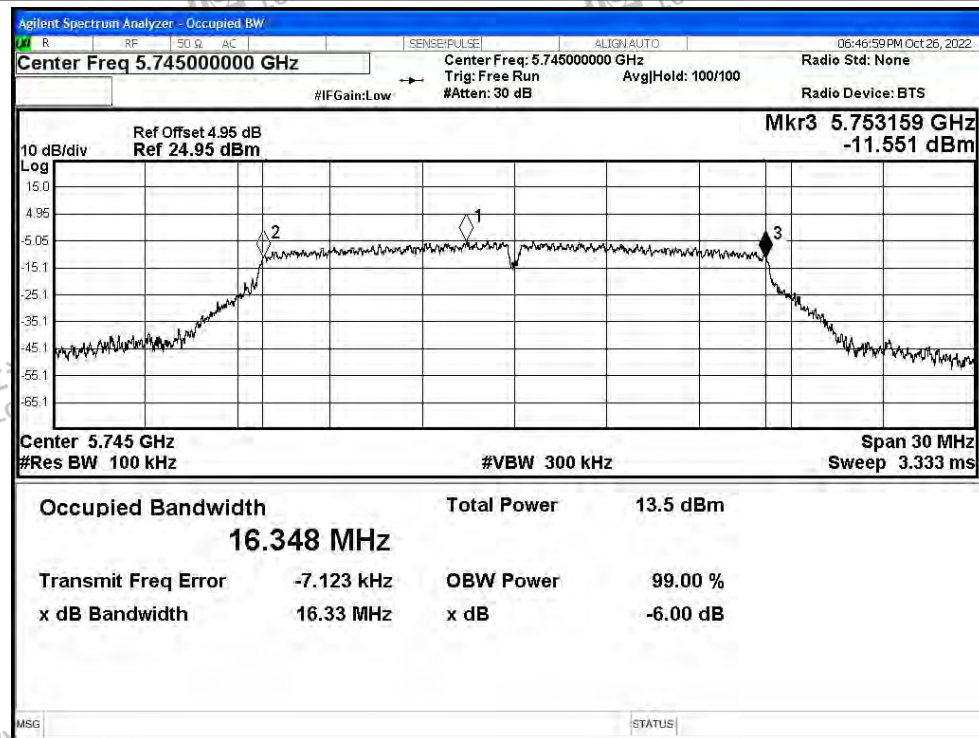


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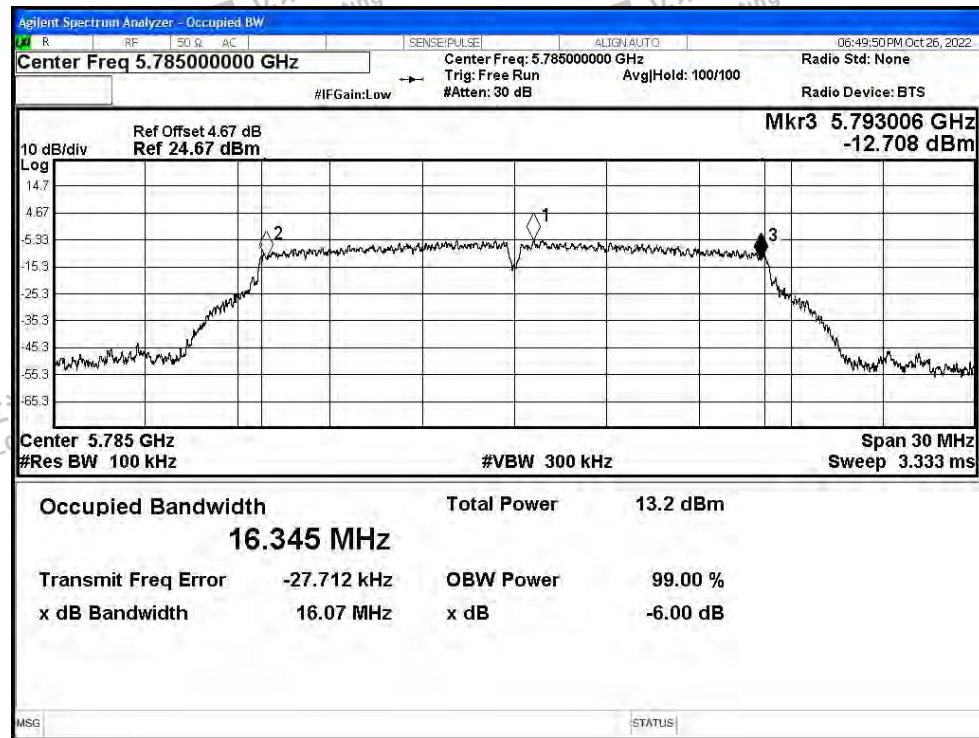


Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant2

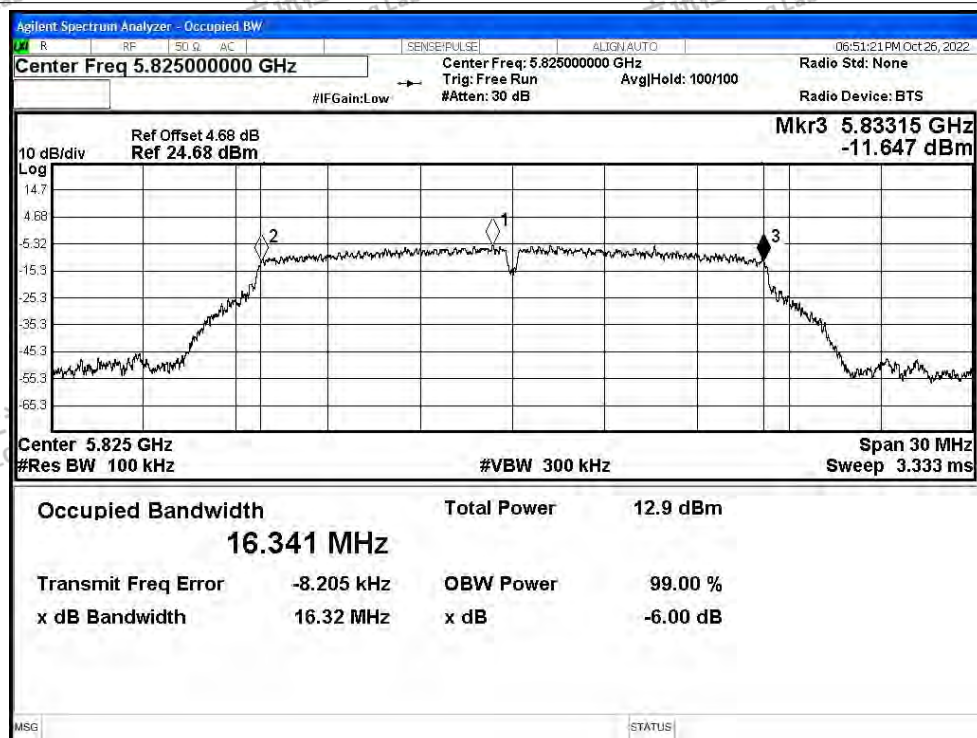


-6dB Bandwidth NVNT a 5785MHz Ant2





-6dB Bandwidth NVNT a 5825MHz Ant2

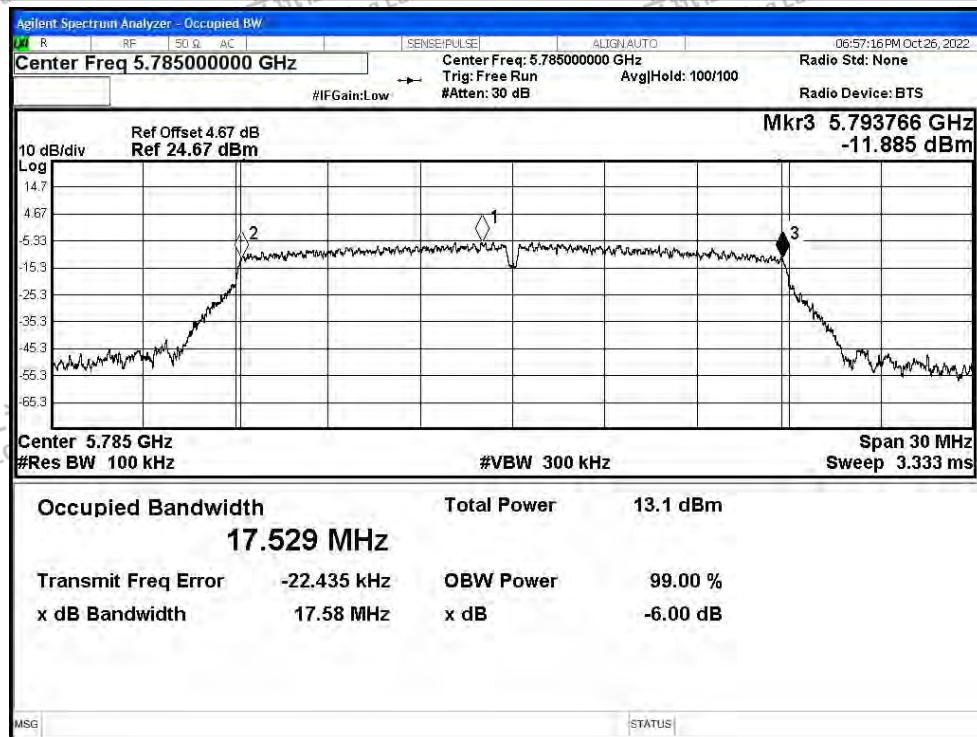


-6dB Bandwidth NVNT n20 5745MHz Ant2

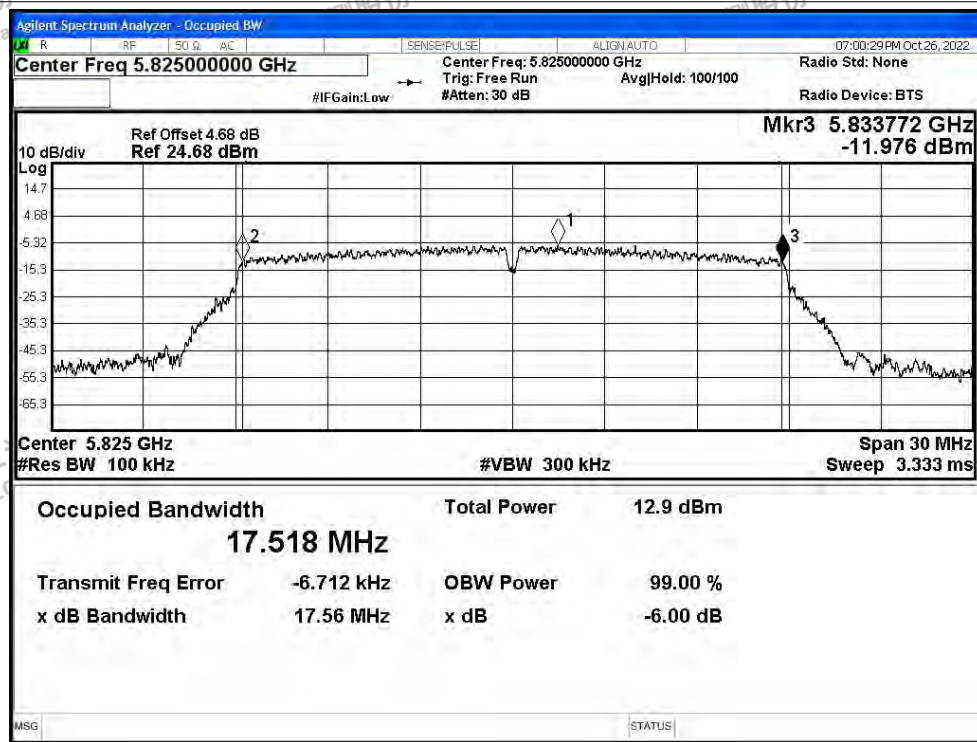




-6dB Bandwidth NVNT n20 5785MHz Ant2

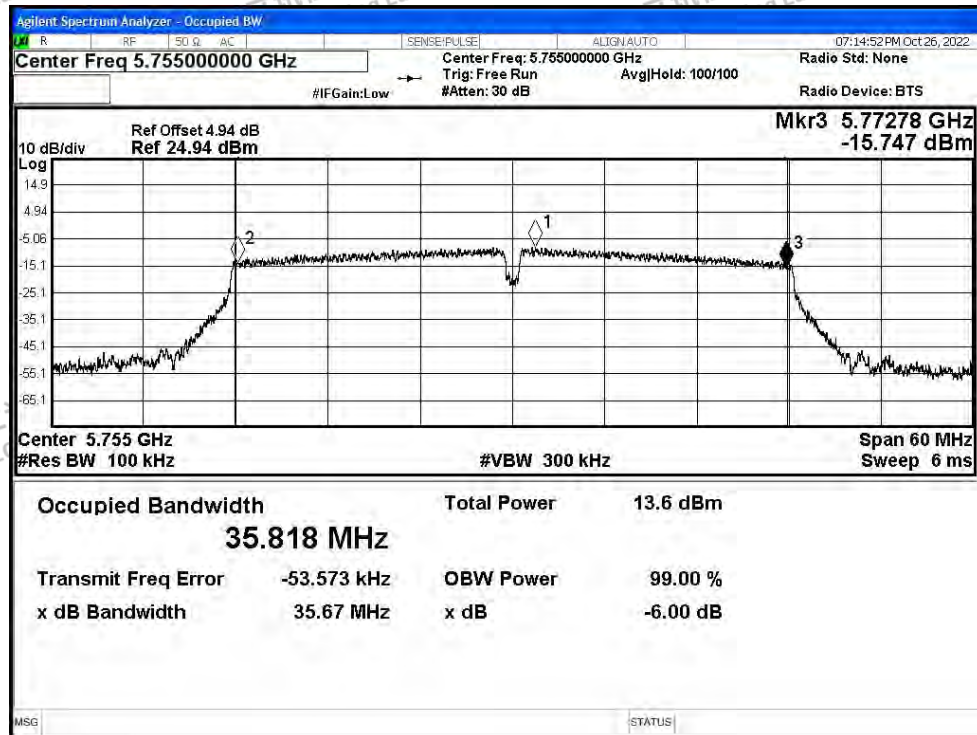


-6dB Bandwidth NVNT n20 5825MHz Ant2

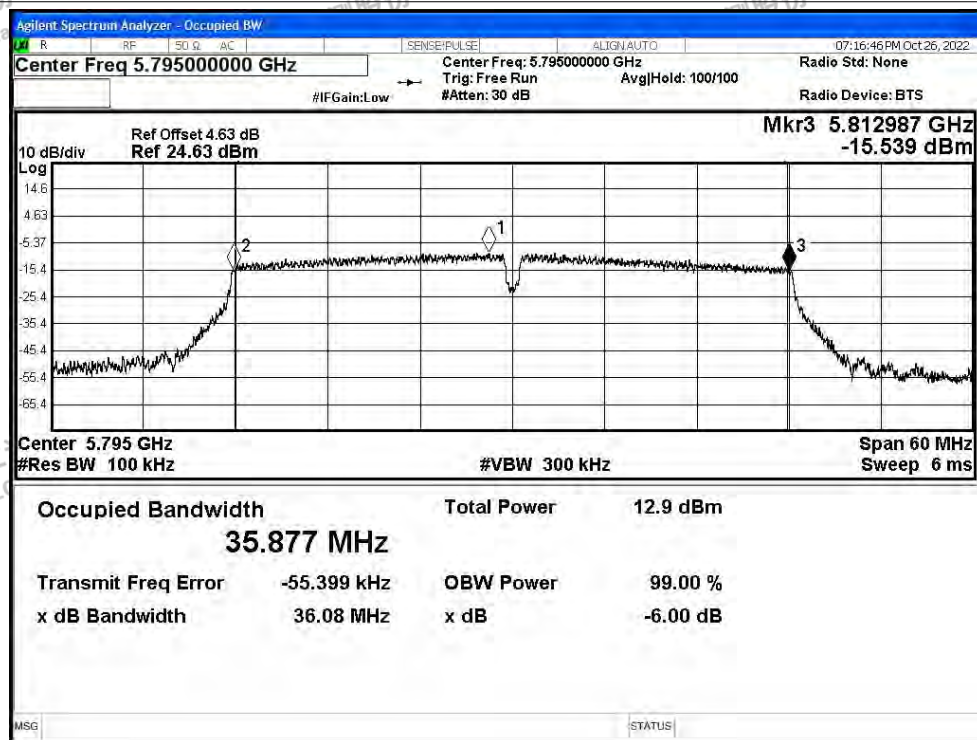




-6dB Bandwidth NVNT n40 5755MHz Ant2

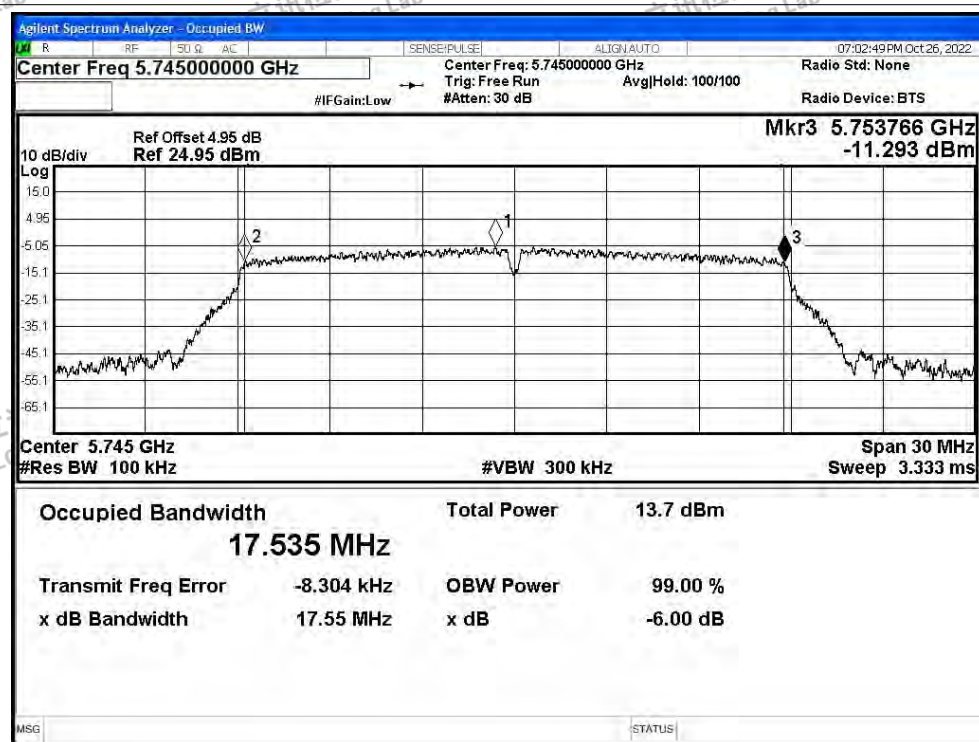


-6dB Bandwidth NVNT n40 5795MHz Ant2

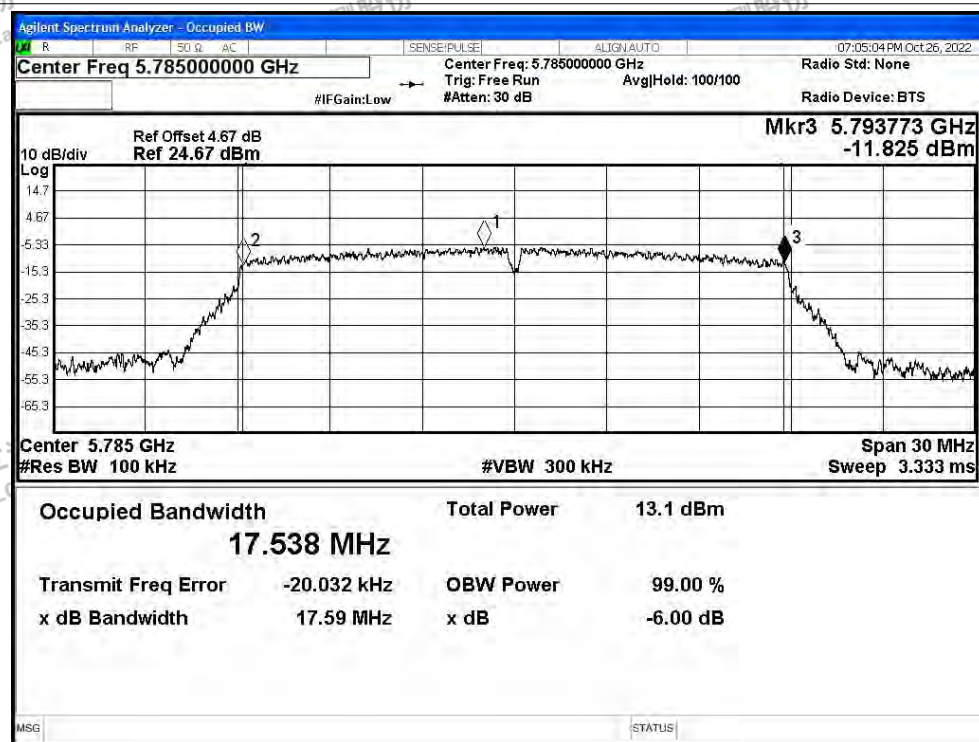




-6dB Bandwidth NVNT ac20 5745MHz Ant2



-6dB Bandwidth NVNT ac20 5785MHz Ant2

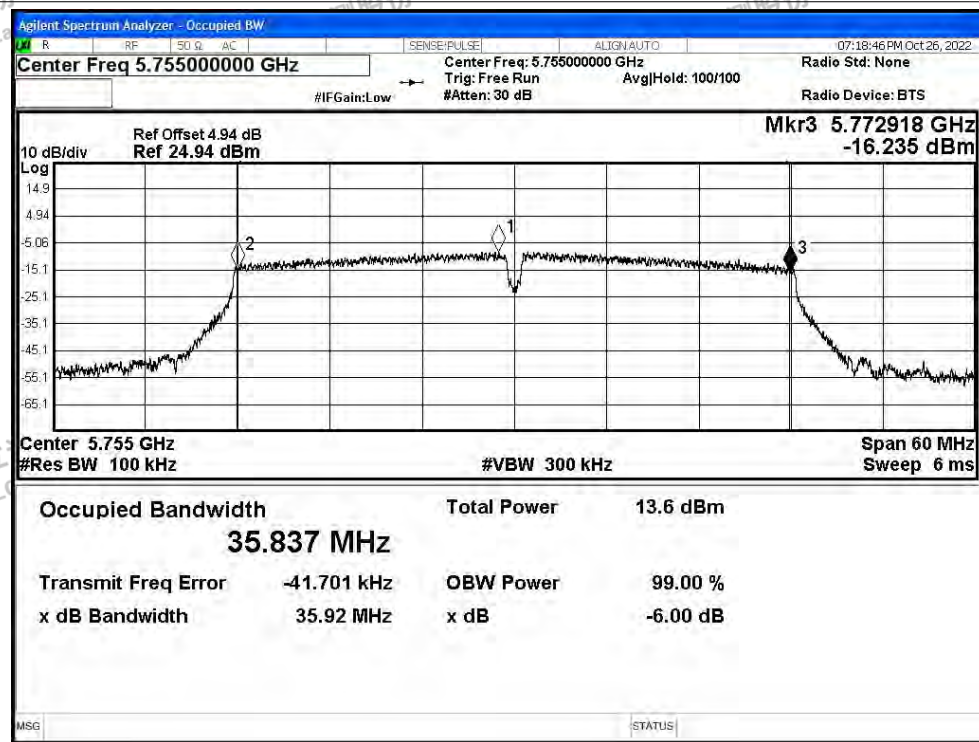




-6dB Bandwidth NVNT ac20 5825MHz Ant2

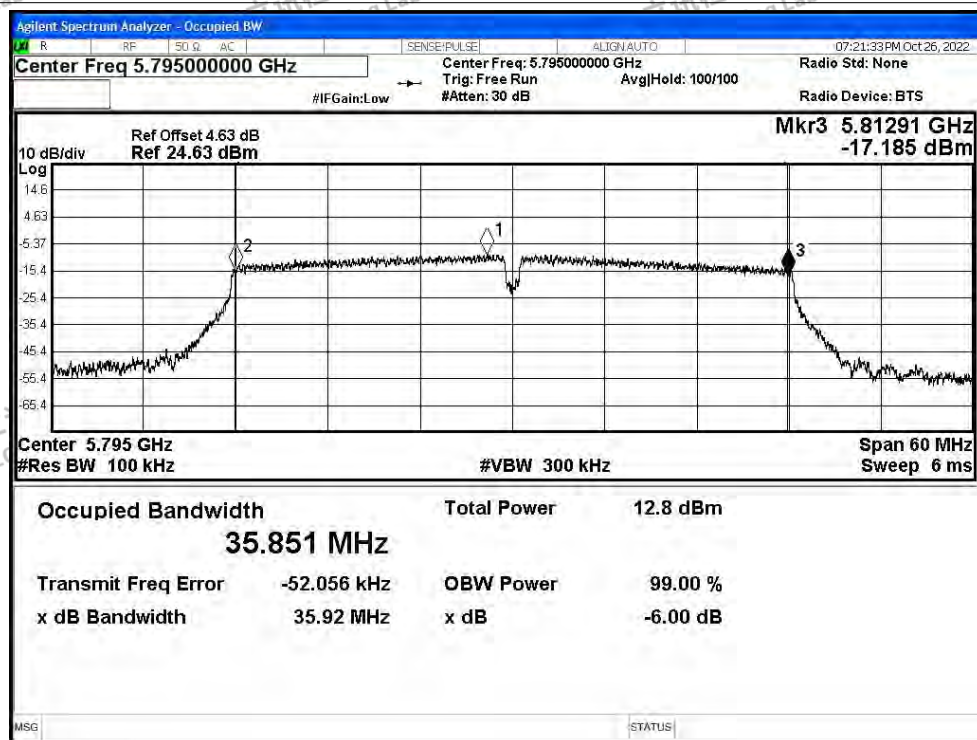


-6dB Bandwidth NVNT ac40 5755MHz Ant2

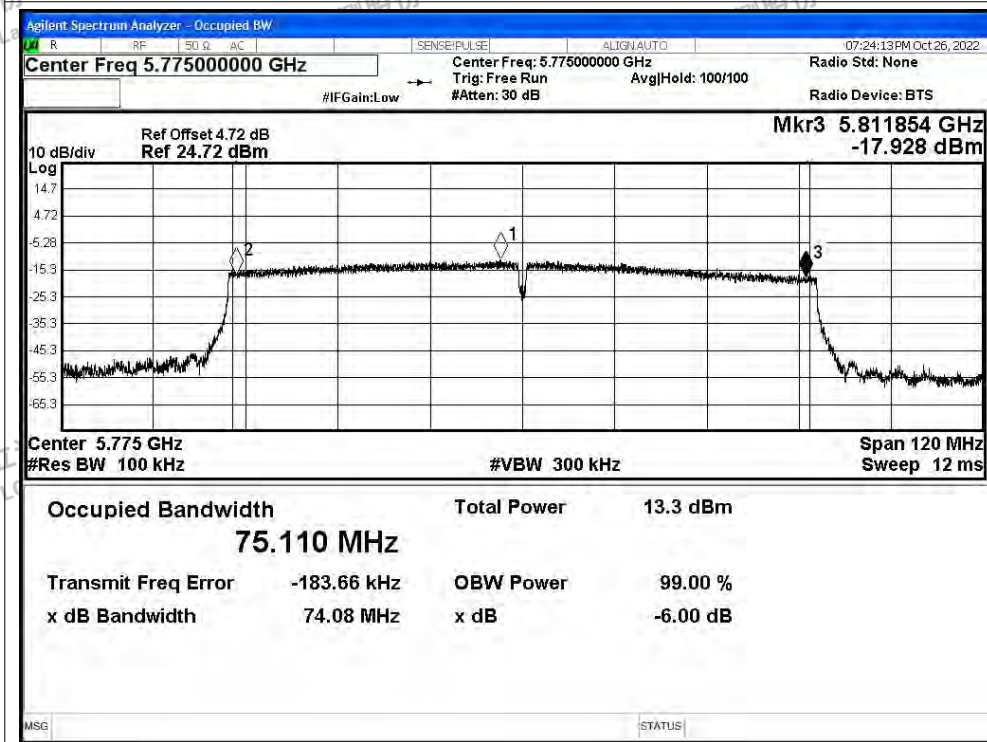




-6dB Bandwidth NVNT ac40 5795MHz Ant2



-6dB Bandwidth NVNT ac80 5775MHz Ant2





D.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	Ant1	6.84	0	6.84	30	Pass
NVNT	a	5785	Ant1	6.89	0	6.89	30	Pass
NVNT	a	5825	Ant1	6.61	0	6.61	30	Pass
NVNT	n20	5745	Ant1	6.43	0	6.43	30	Pass
NVNT	n20	5785	Ant1	6.67	0	6.67	30	Pass
NVNT	n20	5825	Ant1	6.61	0	6.61	30	Pass
NVNT	n40	5755	Ant1	6.25	0	6.25	30	Pass
NVNT	n40	5795	Ant1	6.40	0	6.40	30	Pass
NVNT	ac20	5745	Ant1	6.44	0	6.44	30	Pass
NVNT	ac20	5785	Ant1	6.97	0	6.97	30	Pass
NVNT	ac20	5825	Ant1	6.64	0	6.64	30	Pass
NVNT	ac40	5755	Ant1	6.32	0	6.32	30	Pass
NVNT	ac40	5795	Ant1	6.38	0	6.38	30	Pass
NVNT	ac80	5775	Ant1	6.48	0	6.48	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant2	6.93	0	6.93	30	Pass
NVNT	a	5785	Ant2	6.65	0	6.65	30	Pass
NVNT	a	5825	Ant2	6.39	0	6.39	30	Pass
NVNT	n20	5745	Ant2	6.13	0	6.13	30	Pass
NVNT	n20	5785	Ant2	6.50	0	6.50	30	Pass
NVNT	n20	5825	Ant2	6.35	0	6.35	30	Pass
NVNT	n40	5755	Ant2	6.88	0	6.88	30	Pass
NVNT	n40	5795	Ant2	6.64	0	6.64	30	Pass
NVNT	ac20	5745	Ant2	6.16	0	6.16	30	Pass
NVNT	ac20	5785	Ant2	6.53	0	6.53	30	Pass
NVNT	ac20	5825	Ant2	6.37	0	6.37	30	Pass
NVNT	ac40	5755	Ant2	6.79	0	6.79	30	Pass
NVNT	ac40	5795	Ant2	6.51	0	6.51	30	Pass
NVNT	ac80	5775	Ant2	6.36	0	6.36	30	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5745	6.43	6.13	9.29	30	Pass
NVNT	n20	5785	6.67	6.50	9.60	30	Pass
NVNT	n20	5825	6.61	6.35	9.49	30	Pass
NVNT	n40	5755	6.25	6.88	9.59	30	Pass
NVNT	n40	5795	6.40	6.64	9.53	30	Pass
NVNT	ac20	5745	6.44	6.16	9.31	30	Pass
NVNT	ac20	5785	6.97	6.53	9.77	30	Pass
NVNT	ac20	5825	6.64	6.37	9.52	30	Pass
NVNT	ac40	5755	6.32	6.79	9.57	30	Pass
NVNT	ac40	5795	6.38	6.51	9.46	30	Pass
NVNT	ac80	5775	6.48	6.36	9.43	30	Pass



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D.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	Ant1	-6.57	0	-6.57	30	Pass
NVNT	a	5785	Ant1	-6.24	0	-6.24	30	Pass
NVNT	a	5825	Ant1	-6.86	0	-6.86	30	Pass
NVNT	n20	5745	Ant1	-7.02	0	-7.02	30	Pass
NVNT	n20	5785	Ant1	-7.07	0	-7.07	30	Pass
NVNT	n20	5825	Ant1	-7.04	0	-7.04	30	Pass
NVNT	n40	5755	Ant1	-10.3	0	-10.3	30	Pass
NVNT	n40	5795	Ant1	-10.2	0	-10.2	30	Pass
NVNT	ac20	5745	Ant1	-7.04	0	-7.04	30	Pass
NVNT	ac20	5785	Ant1	-6.63	0	-6.63	30	Pass
NVNT	ac20	5825	Ant1	-6.72	0	-6.72	30	Pass
NVNT	ac40	5755	Ant1	-9	0	-9	30	Pass
NVNT	ac40	5795	Ant1	-10.53	0	-10.53	30	Pass
NVNT	ac80	5775	Ant1	-12.97	0	-12.97	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant2	-6.29	0	-6.29	30	Pass
NVNT	a	5785	Ant2	-6.63	0	-6.63	30	Pass
NVNT	a	5825	Ant2	-7	0	-7	30	Pass
NVNT	n20	5745	Ant2	-6.28	0	-6.28	30	Pass
NVNT	n20	5785	Ant2	-7.05	0	-7.05	30	Pass
NVNT	n20	5825	Ant2	-7.27	0	-7.27	30	Pass
NVNT	n40	5755	Ant2	-9.15	0	-9.15	30	Pass
NVNT	n40	5795	Ant2	-10.62	0	-10.62	30	Pass
NVNT	ac20	5745	Ant2	-6.83	0	-6.83	30	Pass
NVNT	ac20	5785	Ant2	-7.01	0	-7.01	30	Pass
NVNT	ac20	5825	Ant2	-6.97	0	-6.97	30	Pass
NVNT	ac40	5755	Ant2	-9.77	0	-9.77	30	Pass
NVNT	ac40	5795	Ant2	-10.34	0	-10.34	30	Pass
NVNT	ac80	5775	Ant2	-13.48	0	-13.48	30	Pass



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MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5745	-7.02	-6.28	-3.62	30	Pass
NVNT	n20	5785	-7.07	-7.05	-4.05	30	Pass
NVNT	n20	5825	-7.04	-7.27	-4.14	30	Pass
NVNT	n40	5755	-10.3	-9.15	-6.68	30	Pass
NVNT	n40	5795	-10.2	-10.62	-7.39	30	Pass
NVNT	ac20	5745	-7.04	-6.83	-3.92	30	Pass
NVNT	ac20	5785	-6.63	-7.01	-3.81	30	Pass
NVNT	ac20	5825	-6.72	-6.97	-3.83	30	Pass
NVNT	ac40	5755	-9	-9.77	-6.36	30	Pass
NVNT	ac40	5795	-10.53	-10.34	-7.42	30	Pass
NVNT	ac80	5775	-12.97	-13.48	-10.21	30	Pass

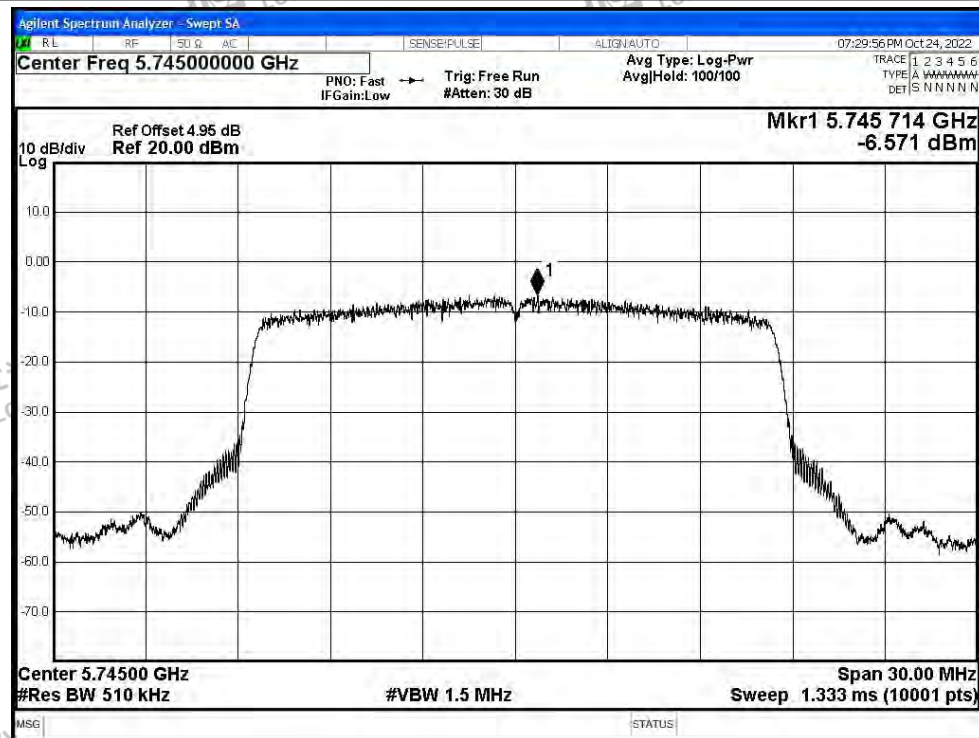


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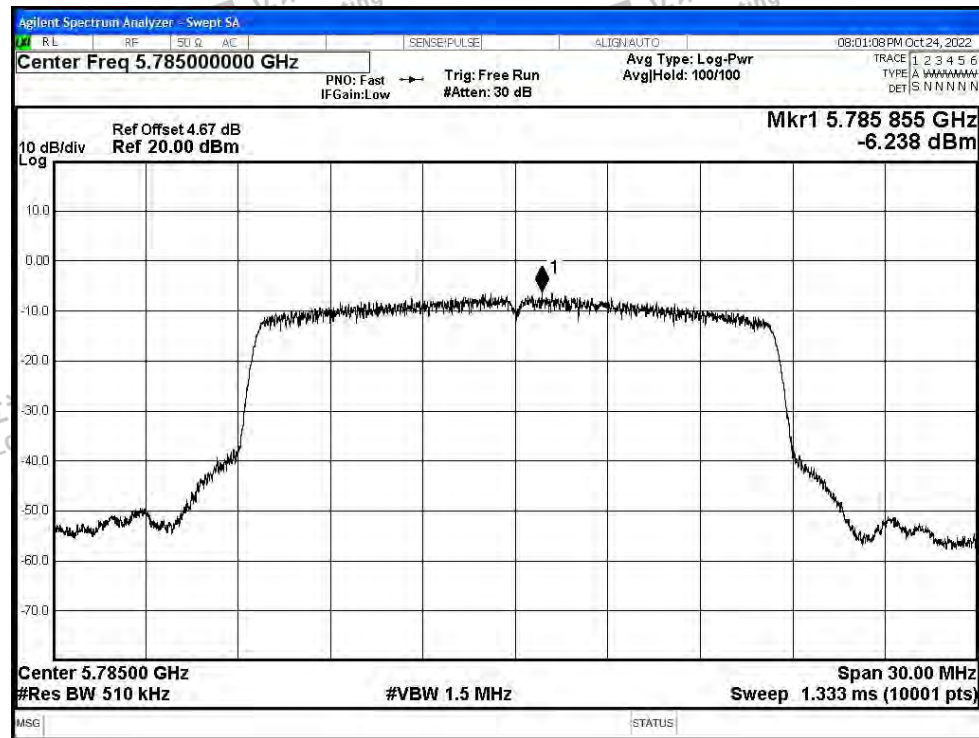


Test Graphs

PSD NVNT a 5745MHz Ant1

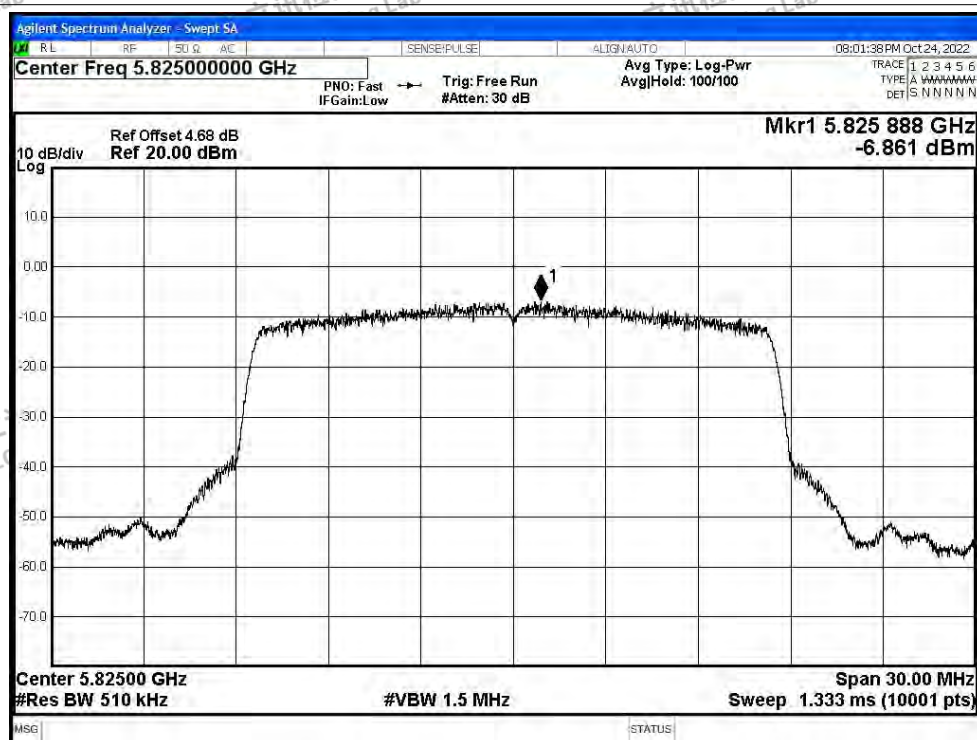


PSD NVNT a 5785MHz Ant1

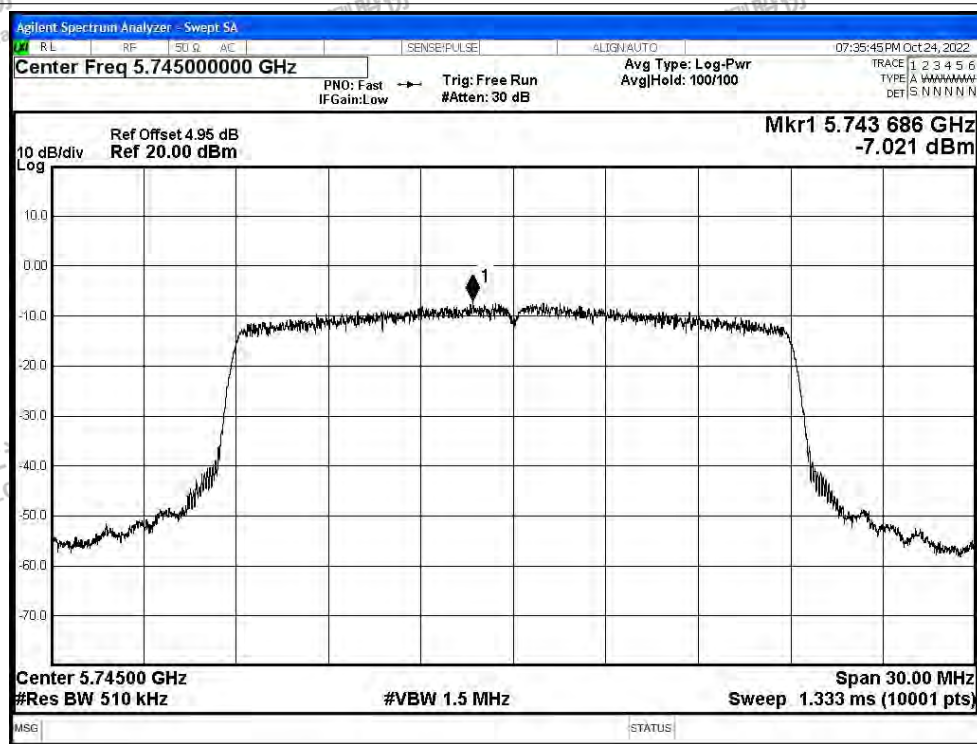




PSD NVNT a 5825MHz Ant1

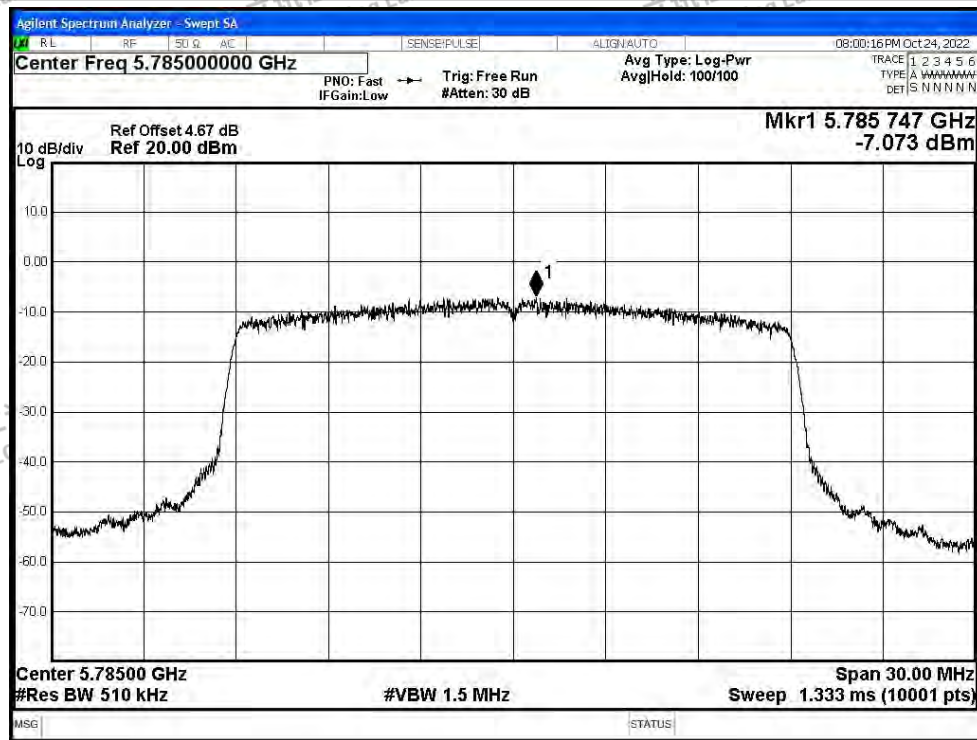


PSD NVNT n20 5745MHz Ant1

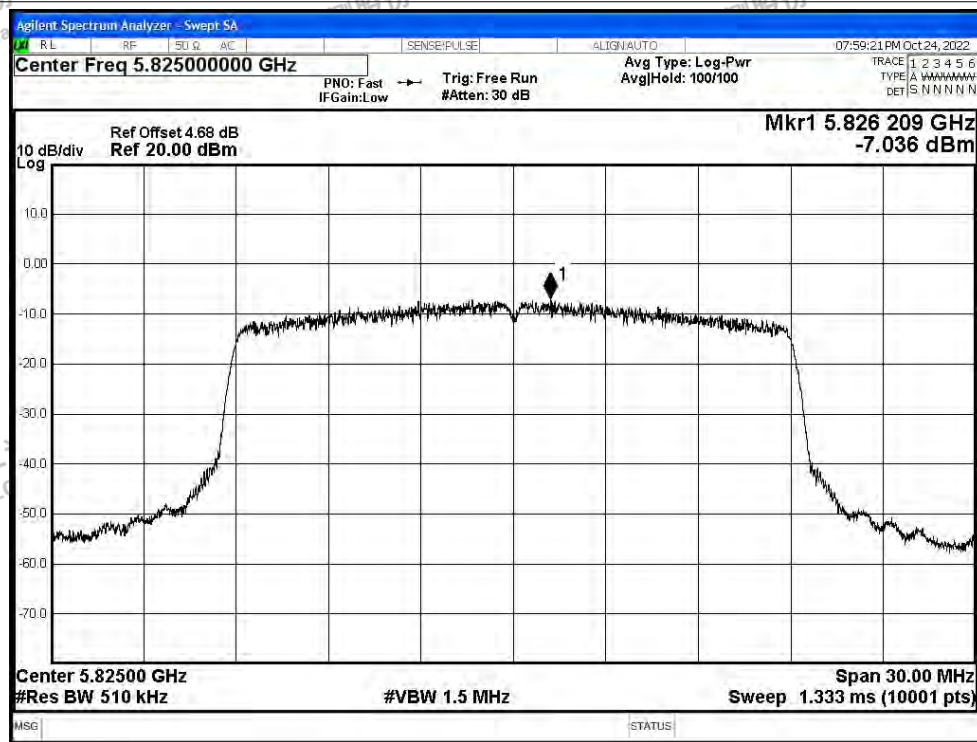




PSD NVNT n20 5785MHz Ant1

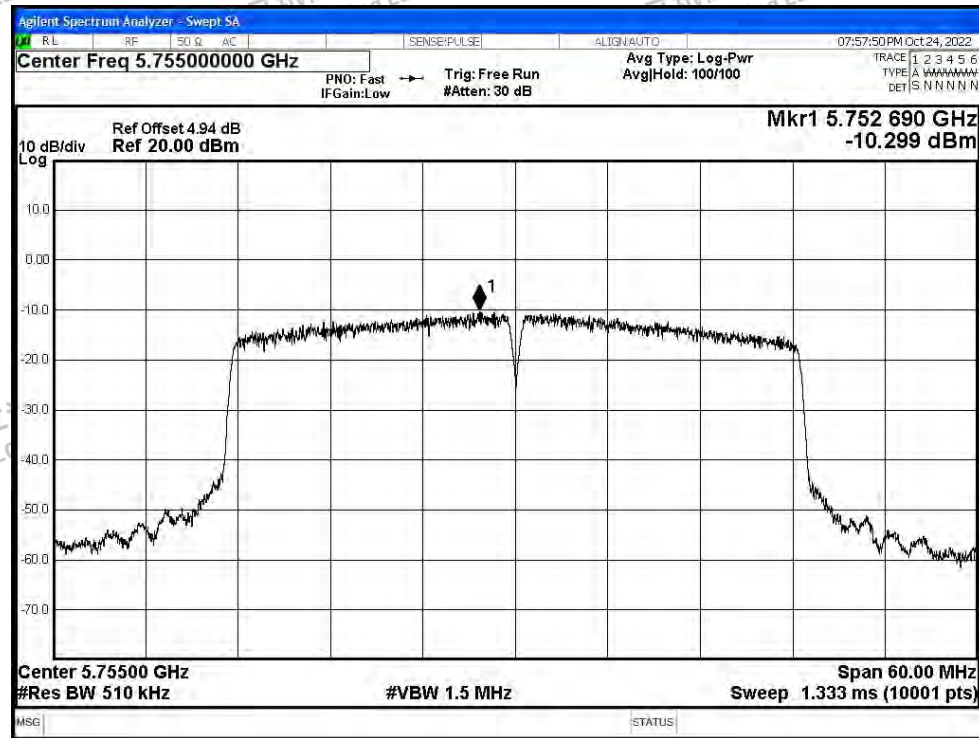


PSD NVNT n20 5825MHz Ant1

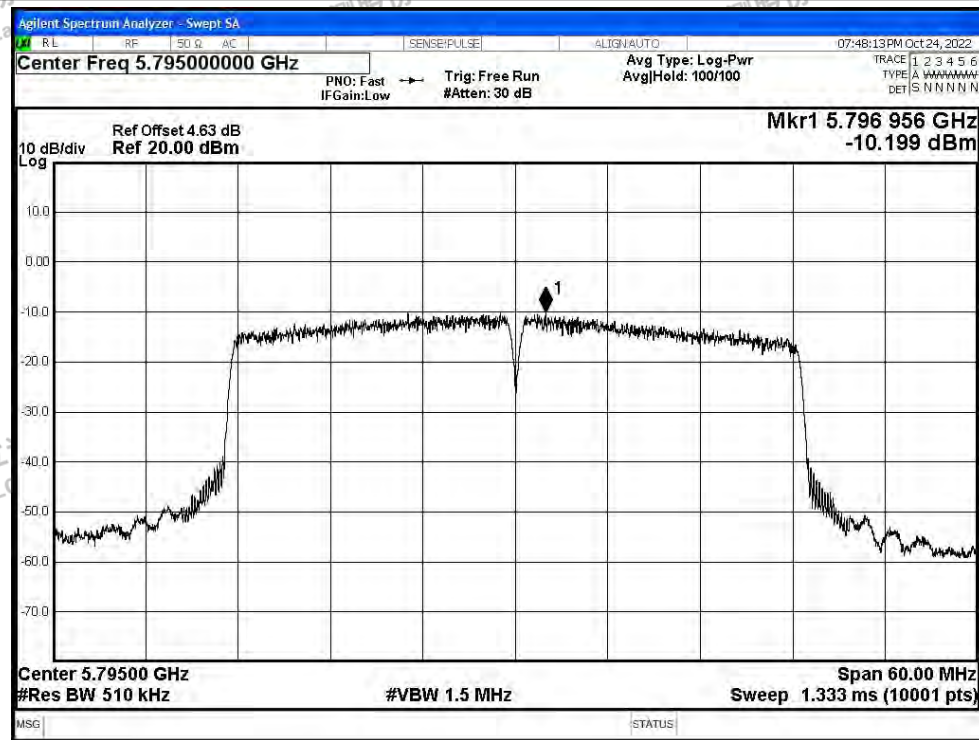




PSD NVNT n40 5755MHz Ant1

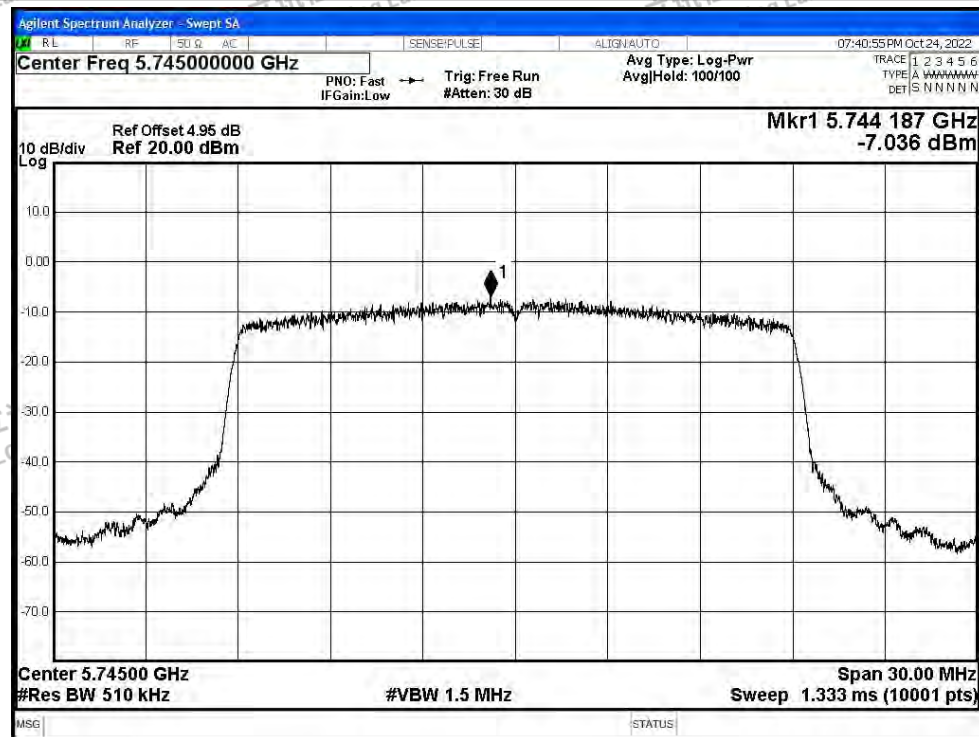


PSD NVNT n40 5795MHz Ant1

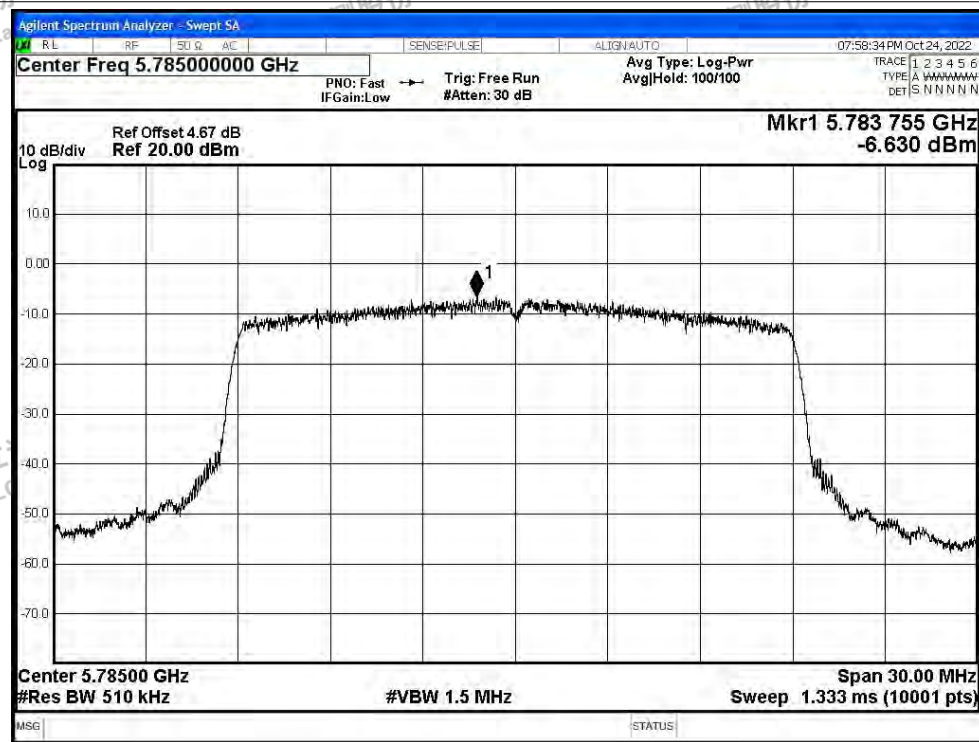




PSD NVNT ac20 5745MHz Ant1

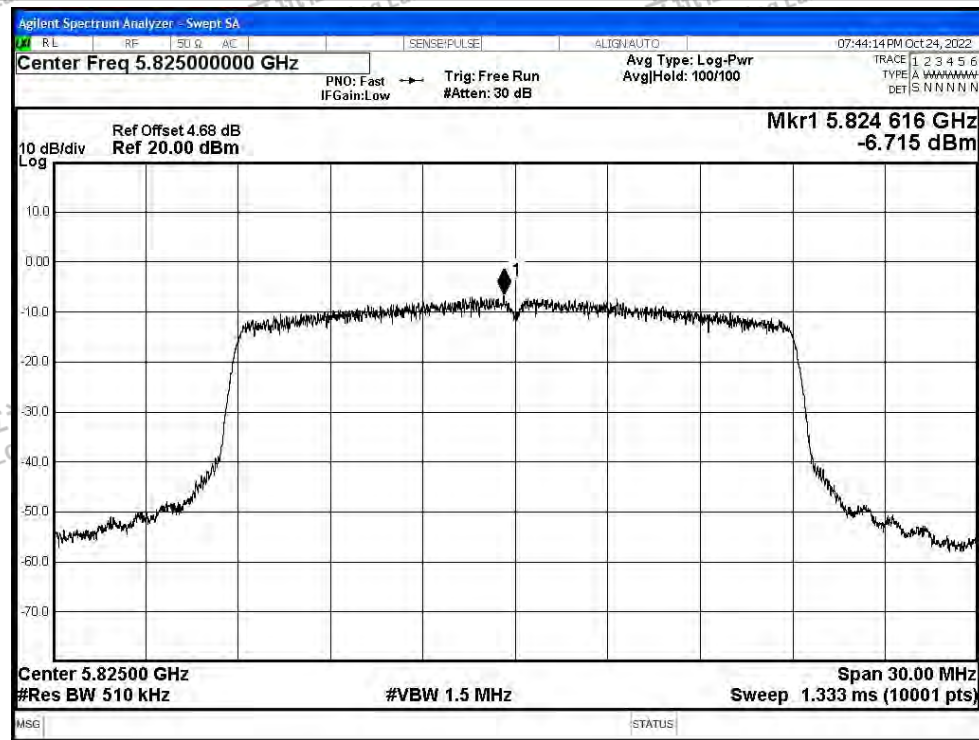


PSD NVNT ac20 5785MHz Ant1

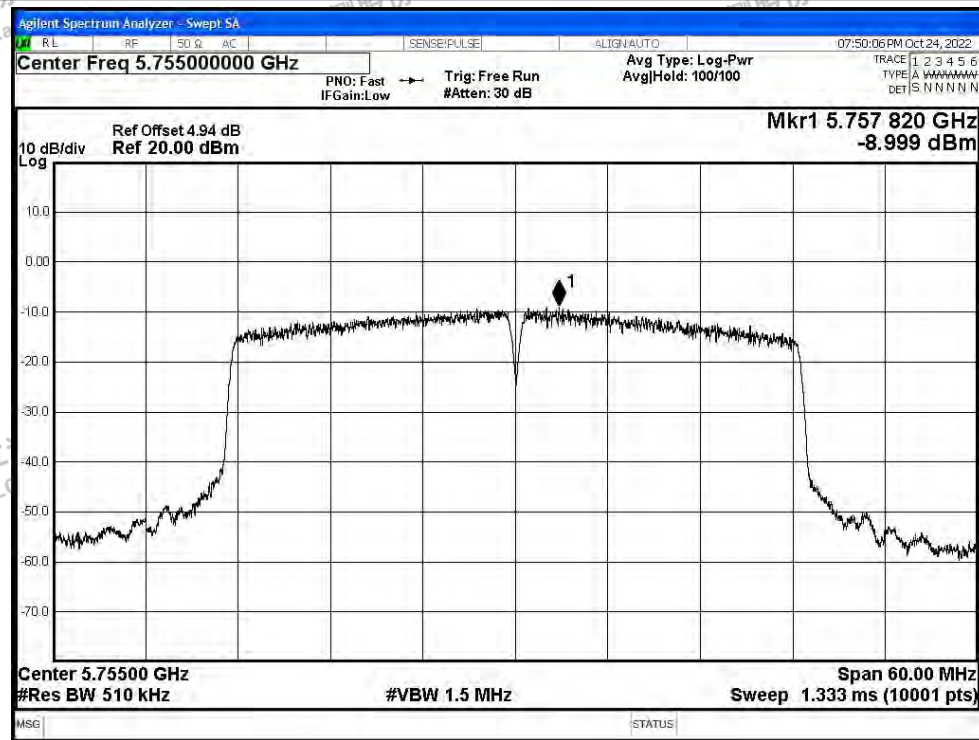




PSD NVNT ac20 5825MHz Ant1

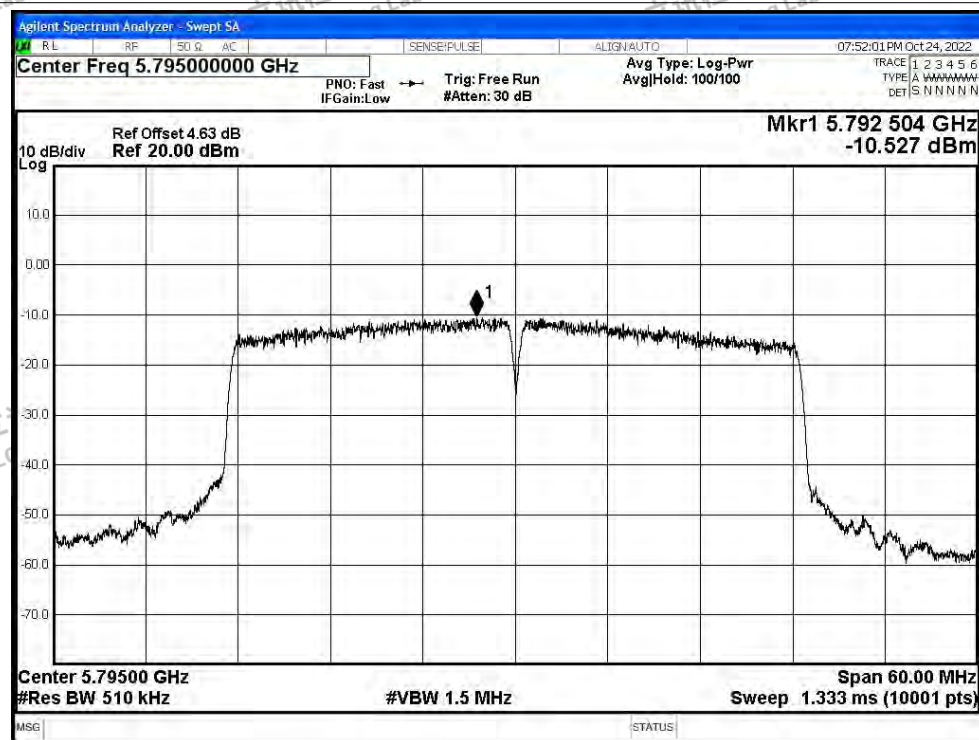


PSD NVNT ac40 5755MHz Ant1

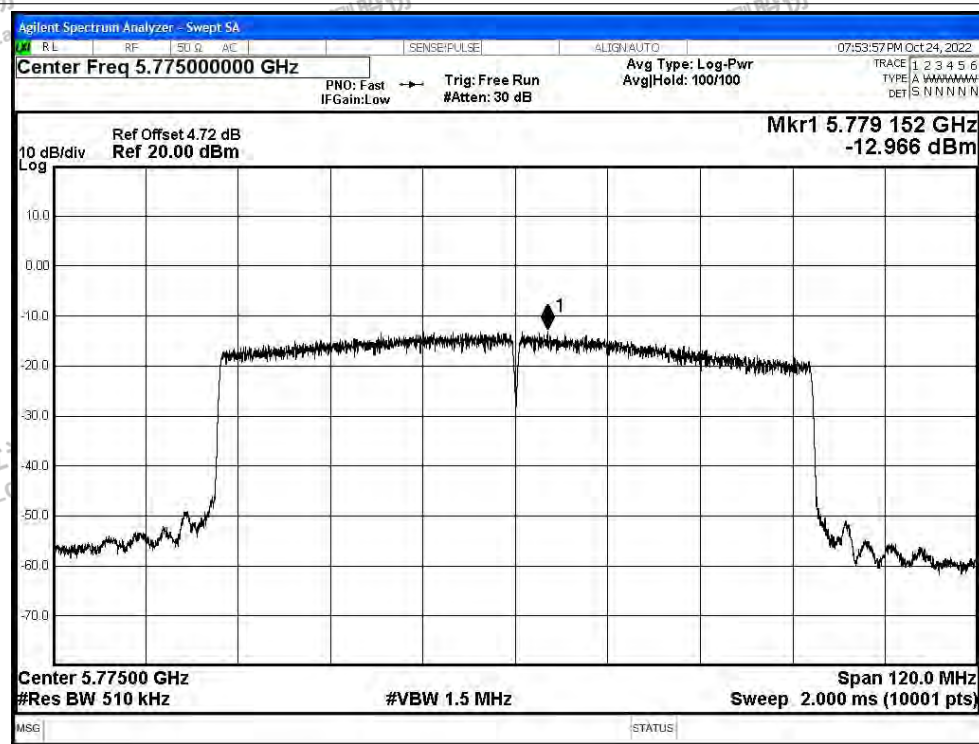




PSD NVNT ac40 5795MHz Ant1



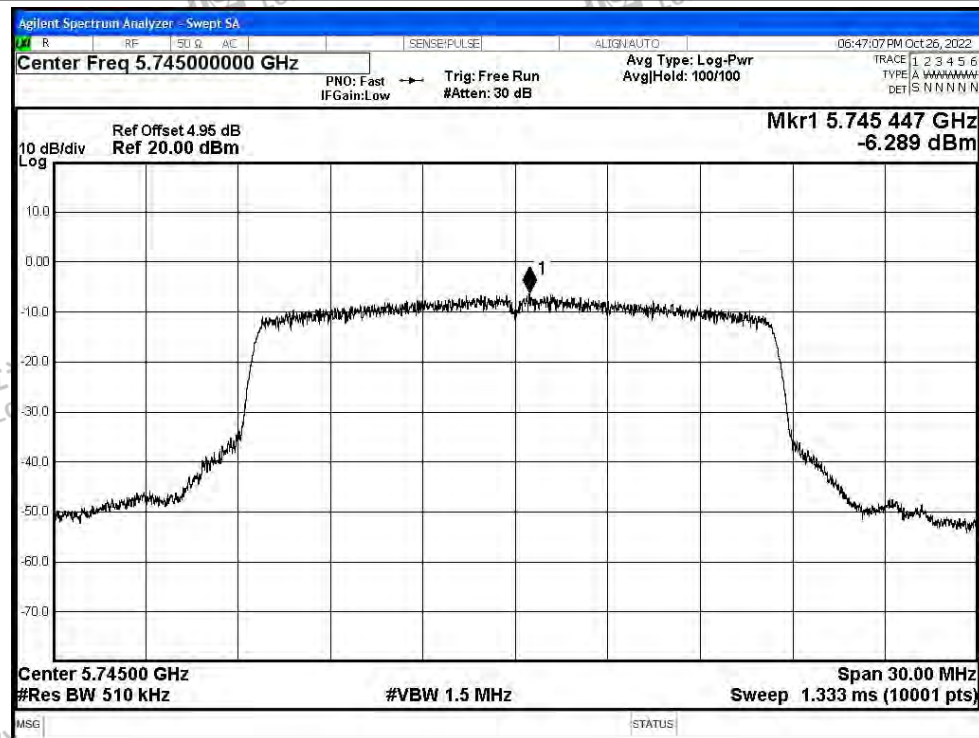
PSD NVNT ac80 5775MHz Ant1



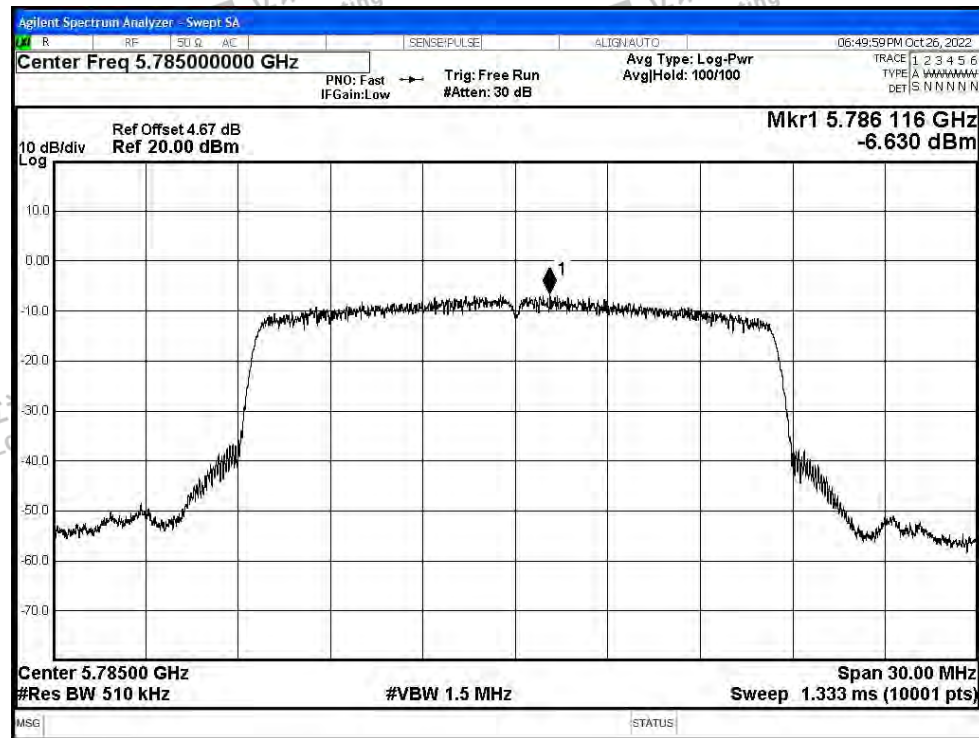


Test Graphs

PSD NVNT a 5745MHz Ant2

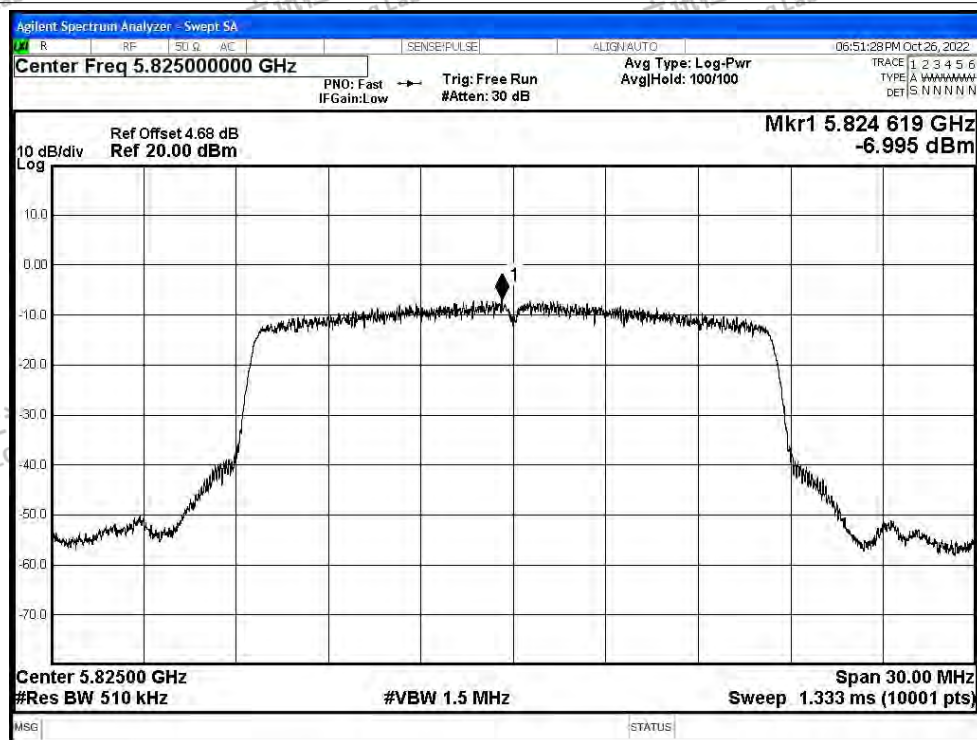


PSD NVNT a 5785MHz Ant2

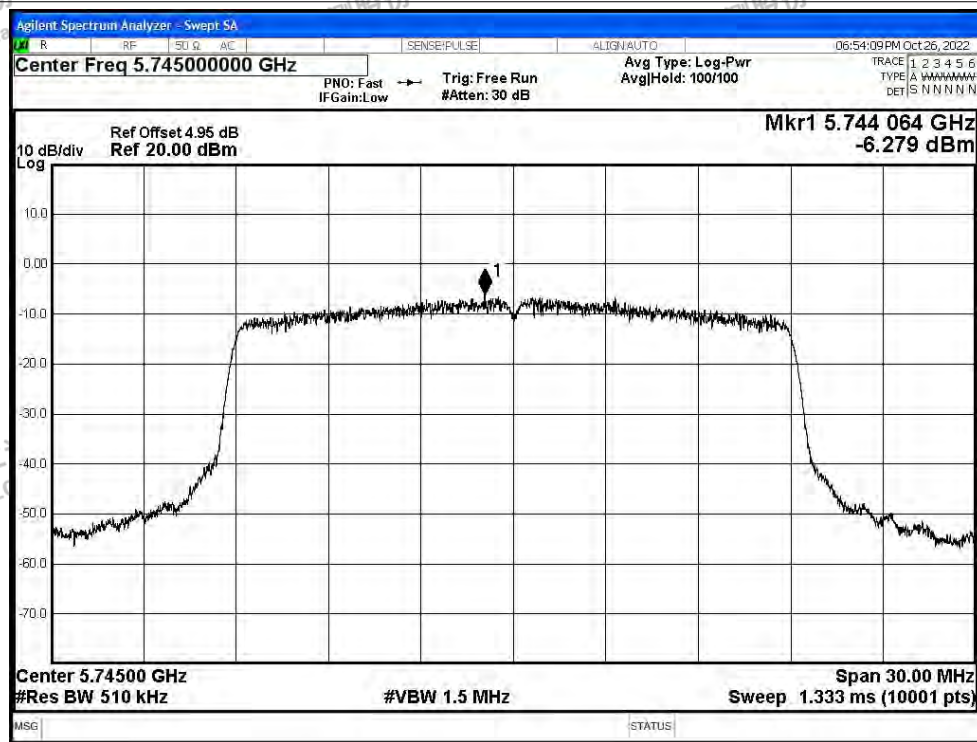




PSD NVNT a 5825MHz Ant2

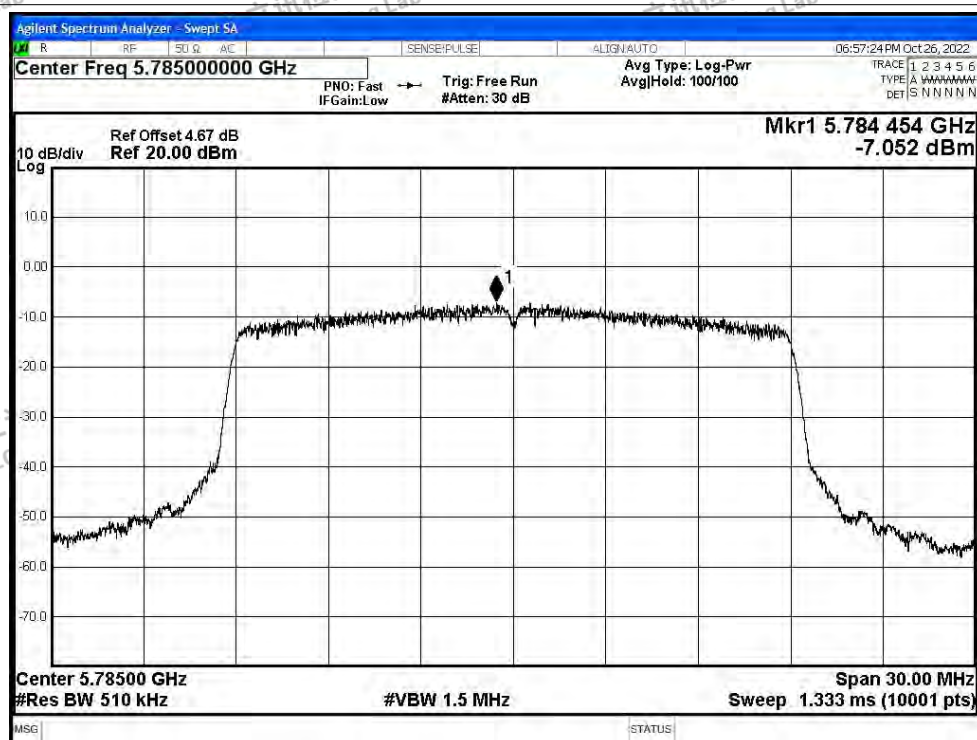


PSD NVNT n20 5745MHz Ant2

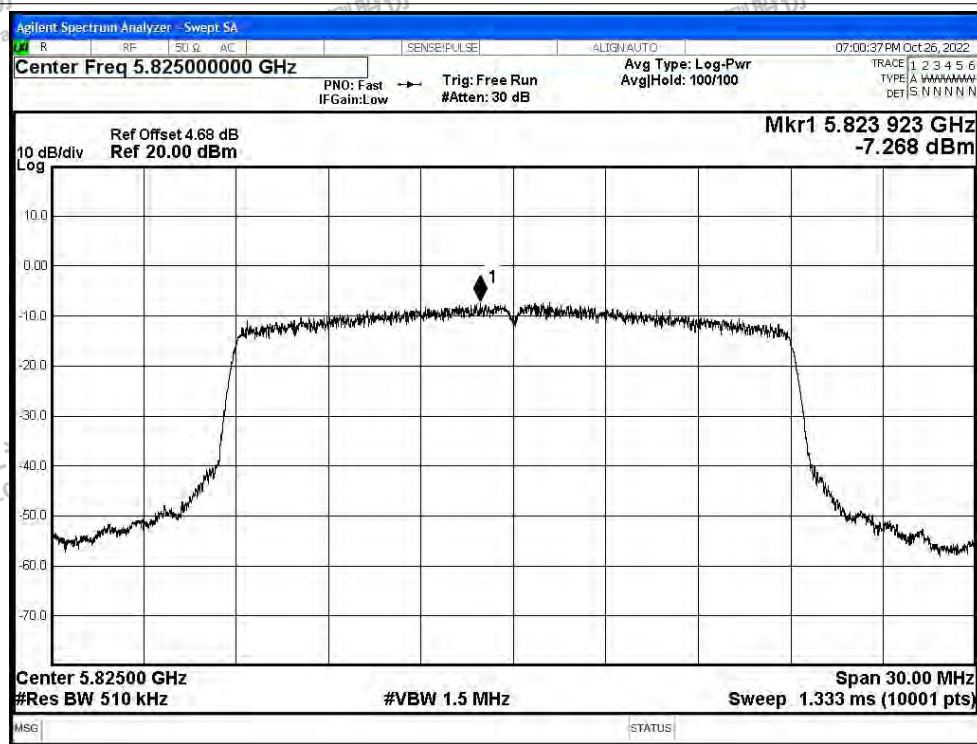




PSD NVNT n20 5785MHz Ant2

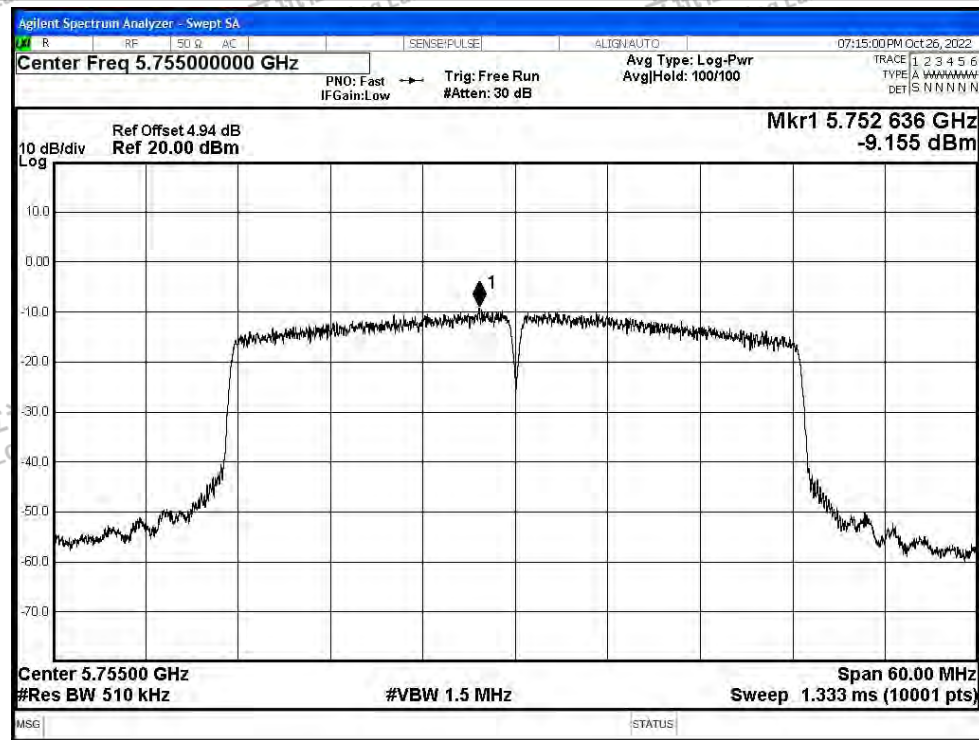


PSD NVNT n20 5825MHz Ant2

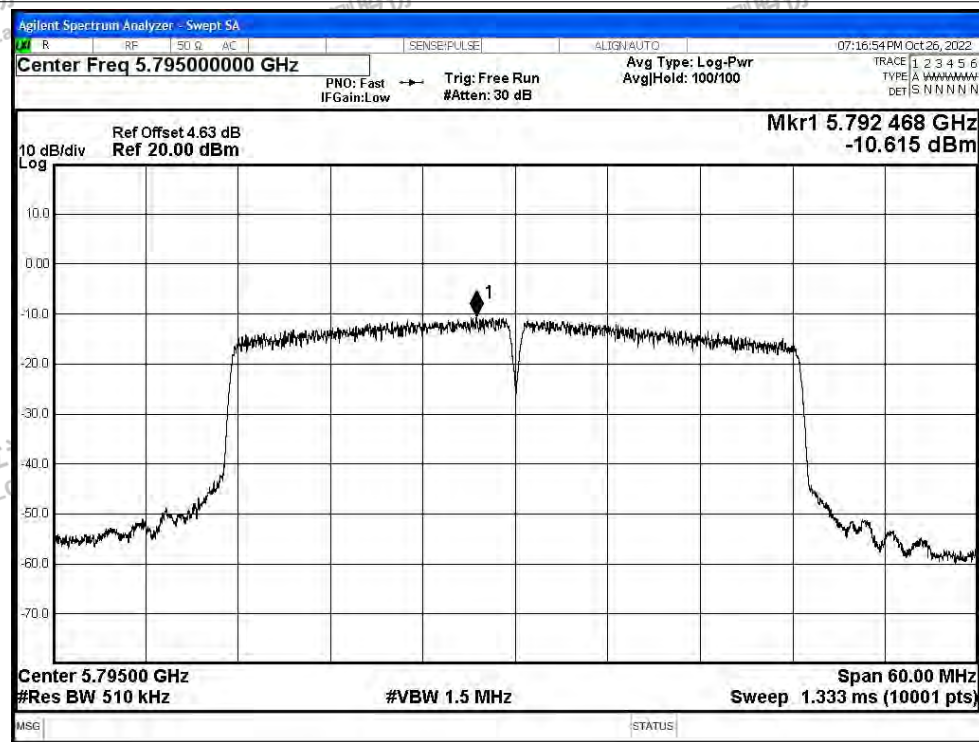




PSD NVNT n40 5755MHz Ant2

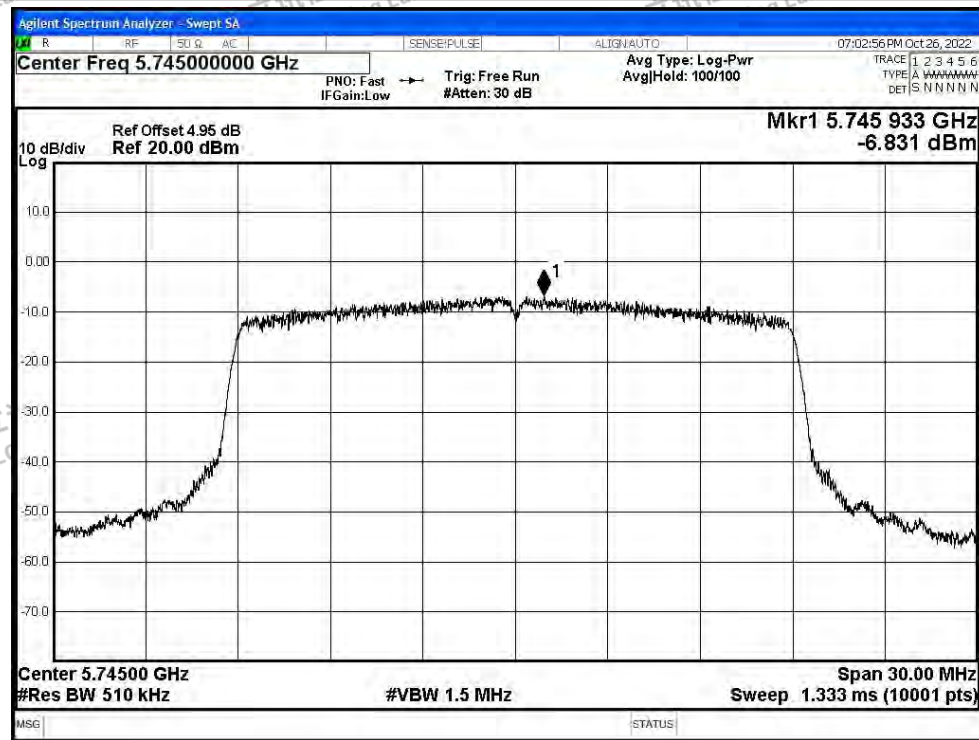


PSD NVNT n40 5795MHz Ant2

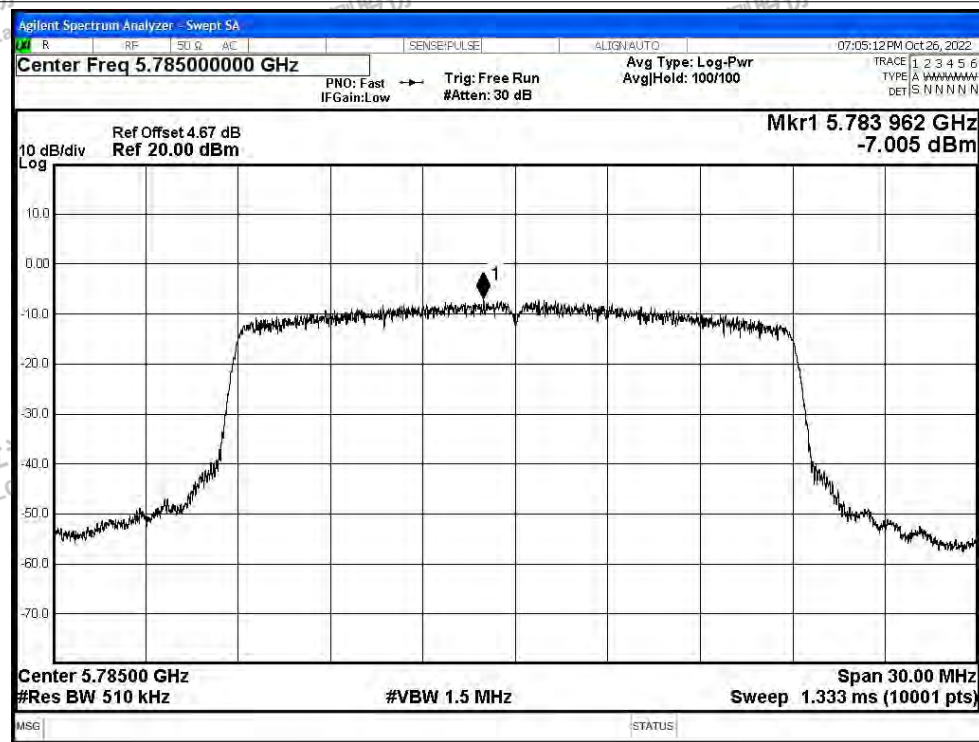




PSD NVNT ac20 5745MHz Ant2

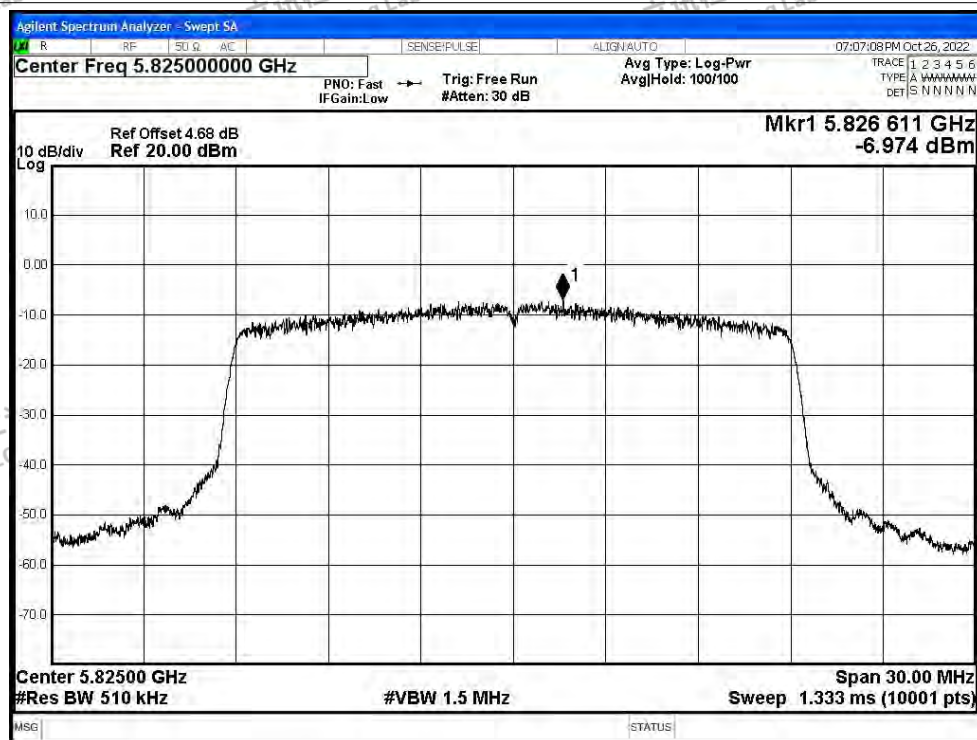


PSD NVNT ac20 5785MHz Ant2

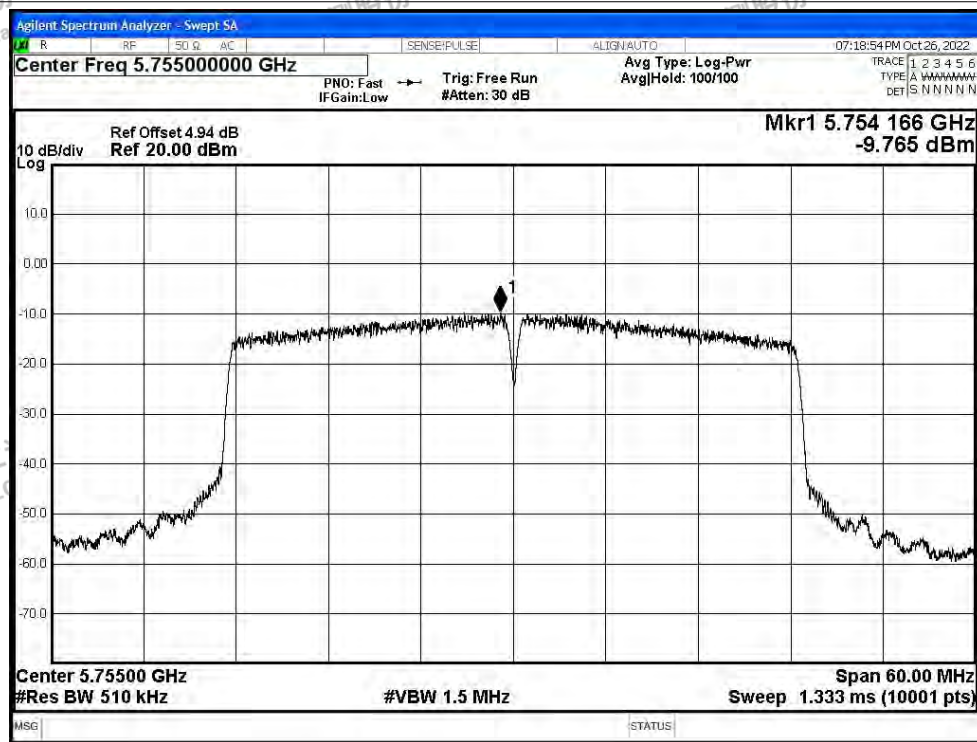




PSD NVNT ac20 5825MHz Ant2

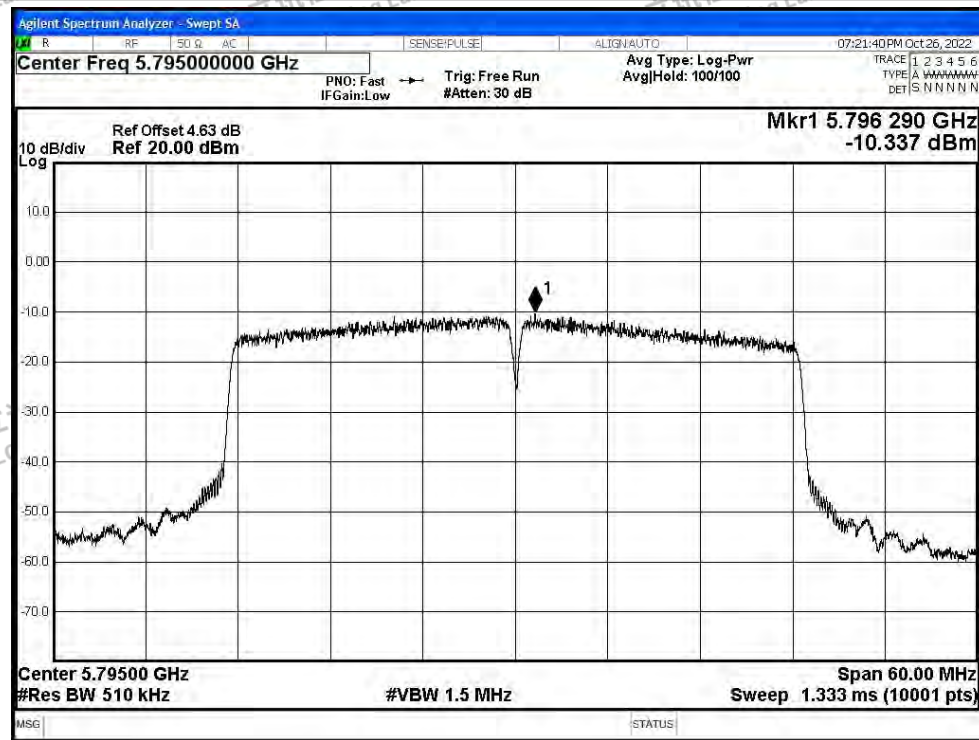


PSD NVNT ac40 5755MHz Ant2

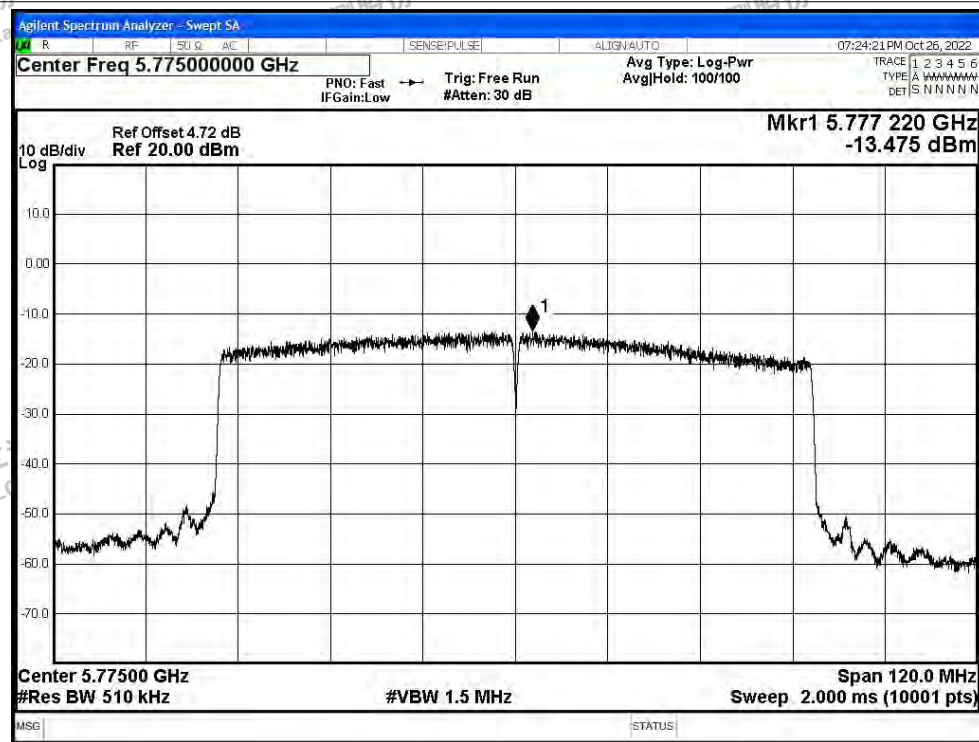




PSD NVNT ac40 5795MHz Ant2



PSD NVNT ac80 5775MHz Ant2





D.4 Restrict Band

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5745	5650	-46.62	2	50.61	Peak	68.2	Pass
NVNT	a	5745	5650	-56.87	2	40.36	Average	54	Pass
NVNT	a	5745	5700	-46.49	2	50.74	Peak	68.2	Pass
NVNT	a	5745	5700	-56.18	2	41.05	Average	54	Pass
NVNT	a	5745	5720	-45.8	2	51.43	Peak	68.2	Pass
NVNT	a	5745	5720	-55.32	2	41.91	Average	54	Pass
NVNT	a	5745	5725	-42.72	2	54.51	Peak	68.2	Pass
NVNT	a	5745	5725	-52.99	2	44.24	Average	54	Pass
NVNT	a	5825	5850	-46.34	2	50.89	Peak	68.2	Pass
NVNT	a	5825	5850	-55.73	2	41.50	Average	54	Pass
NVNT	a	5825	5855	-46.53	2	50.70	Peak	68.2	Pass
NVNT	a	5825	5855	-55.85	2	41.38	Average	54	Pass
NVNT	a	5825	5875	-46.17	2	51.06	Peak	68.2	Pass
NVNT	a	5825	5875	-56.33	2	40.90	Average	54	Pass
NVNT	a	5825	5925	-48.73	2	48.50	Peak	68.2	Pass
NVNT	a	5825	5925	-56.61	2	40.62	Average	54	Pass
NVNT	n20-MIMO	5745	5650	-46.43	4.39	53.19	Peak	68.2	Pass
NVNT	n20-MIMO	5745	5650	-56.68	4.39	42.94	Average	54	Pass
NVNT	n20-MIMO	5745	5700	-44.87	4.39	54.75	Peak	68.2	Pass
NVNT	n20-MIMO	5745	5700	-55.86	4.39	43.76	Average	54	Pass
NVNT	n20-MIMO	5745	5720	-45.63	4.39	53.99	Peak	68.2	Pass
NVNT	n20-MIMO	5745	5720	-55.28	4.39	44.34	Average	54	Pass
NVNT	n20-MIMO	5745	5725	-44.2	4.39	55.42	Peak	68.2	Pass
NVNT	n20-MIMO	5745	5725	-53.89	4.39	45.73	Average	54	Pass
NVNT	n20-MIMO	5825	5850	-45.46	4.39	54.16	Peak	68.2	Pass
NVNT	n20-MIMO	5825	5850	-56.66	4.39	42.96	Average	54	Pass
NVNT	n20-MIMO	5825	5855	-46.37	4.39	53.25	Peak	68.2	Pass
NVNT	n20-MIMO	5825	5855	-56.62	4.39	43.00	Average	54	Pass
NVNT	n20-MIMO	5825	5875	-48.47	4.39	51.15	Peak	68.2	Pass
NVNT	n20-MIMO	5825	5875	-56.89	4.39	42.73	Average	54	Pass
NVNT	n20-MIMO	5825	5925	-47.16	4.39	52.46	Peak	68.2	Pass
NVNT	n20-MIMO	5825	5925	-57.01	4.39	42.61	Average	54	Pass
NVNT	n40-MIMO	5755	5650	-47.45	4.39	52.17	Peak	68.2	Pass
NVNT	n40-MIMO	5755	5650	-56.74	4.39	42.88	Average	54	Pass
NVNT	n40-MIMO	5755	5700	-45.73	4.39	53.89	Peak	68.2	Pass
NVNT	n40-MIMO	5755	5700	-55.69	4.39	43.93	Average	54	Pass
NVNT	n40-MIMO	5755	5720	-43.54	4.39	56.08	Peak	68.2	Pass



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NVNT	n40-MIMO	5755	5720	-53.74	4.39	45.88	Average	54	Pass
NVNT	n40-MIMO	5755	5725	-42.09	4.39	57.53	Peak	68.2	Pass
NVNT	n40-MIMO	5755	5725	-51.76	4.39	47.86	Average	54	Pass
NVNT	n40-MIMO	5795	5850	-47.98	4.39	51.64	Peak	68.2	Pass
NVNT	n40-MIMO	5795	5850	-57.19	4.39	42.43	Average	54	Pass
NVNT	n40-MIMO	5795	5855	-48.11	4.39	51.51	Peak	68.2	Pass
NVNT	n40-MIMO	5795	5855	-57.12	4.39	42.50	Average	54	Pass
NVNT	n40-MIMO	5795	5875	-49.42	4.39	50.20	Peak	68.2	Pass
NVNT	n40-MIMO	5795	5875	-57.2	4.39	42.42	Average	54	Pass
NVNT	n40-MIMO	5795	5925	-48.1	4.39	51.52	Peak	68.2	Pass
NVNT	n40-MIMO	5795	5925	-57.12	4.39	42.50	Average	54	Pass
NVNT	ac20-MIMO	5745	5650	-48.63	4.39	50.99	Peak	68.2	Pass
NVNT	ac20-MIMO	5745	5650	-56.65	4.39	42.97	Average	54	Pass
NVNT	ac20-MIMO	5745	5700	-46.56	4.39	53.06	Peak	68.2	Pass
NVNT	ac20-MIMO	5745	5700	-55.82	4.39	43.80	Average	54	Pass
NVNT	ac20-MIMO	5745	5720	-45.36	4.39	54.26	Peak	68.2	Pass
NVNT	ac20-MIMO	5745	5720	-55.22	4.39	44.40	Average	54	Pass
NVNT	ac20-MIMO	5745	5725	-42.35	4.39	57.27	Peak	68.2	Pass
NVNT	ac20-MIMO	5745	5725	-53.73	4.39	45.89	Average	54	Pass
NVNT	ac20-MIMO	5825	5850	-47.47	4.39	52.15	Peak	68.2	Pass
NVNT	ac20-MIMO	5825	5850	-56.65	4.39	42.97	Average	54	Pass
NVNT	ac20-MIMO	5825	5855	-46.86	4.39	52.76	Peak	68.2	Pass
NVNT	ac20-MIMO	5825	5855	-56.65	4.39	42.97	Average	54	Pass
NVNT	ac20-MIMO	5825	5875	-46.86	4.39	52.76	Peak	68.2	Pass
NVNT	ac20-MIMO	5825	5875	-56.89	4.39	42.73	Average	54	Pass
NVNT	ac20-MIMO	5825	5925	-46.68	4.39	52.94	Peak	68.2	Pass
NVNT	ac20-MIMO	5825	5925	-57.12	4.39	42.50	Average	54	Pass
NVNT	ac40-MIMO	5755	5650	-47.68	4.39	51.94	Peak	68.2	Pass
NVNT	ac40-MIMO	5755	5650	-56.69	4.39	42.93	Average	54	Pass
NVNT	ac40-MIMO	5755	5700	-46.96	4.39	52.66	Peak	68.2	Pass
NVNT	ac40-MIMO	5755	5700	-56.16	4.39	43.46	Average	54	Pass
NVNT	ac40-MIMO	5755	5720	-43.33	4.39	56.29	Peak	68.2	Pass
NVNT	ac40-MIMO	5755	5720	-53.9	4.39	45.72	Average	54	Pass
NVNT	ac40-MIMO	5755	5725	-41.84	4.39	57.78	Peak	68.2	Pass
NVNT	ac40-MIMO	5755	5725	-51.67	4.39	47.95	Average	54	Pass
NVNT	ac40-MIMO	5795	5850	-48.14	4.39	51.48	Peak	68.2	Pass
NVNT	ac40-MIMO	5795	5850	-57.13	4.39	42.49	Average	54	Pass
NVNT	ac40-MIMO	5795	5855	-46.79	4.39	52.83	Peak	68.2	Pass
NVNT	ac40-MIMO	5795	5855	-57.29	4.39	42.33	Average	54	Pass
NVNT	ac40-MIMO	5795	5875	-46.83	4.39	52.79	Peak	68.2	Pass
NVNT	ac40-MIMO	5795	5875	-57.04	4.39	42.58	Average	54	Pass



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NVNT	ac40-MIMO	5795	5925	-47.06	4.39	52.56	Peak	68.2	Pass
NVNT	ac40-MIMO	5795	5925	-56.95	4.39	42.67	Average	54	Pass
NVNT	ac80-MIMO	5775	5650	-48.31	4.39	51.31	Peak	68.2	Pass
NVNT	ac80-MIMO	5775	5650	-56.84	4.39	42.78	Average	54	Pass
NVNT	ac80-MIMO	5775	5700	-44.71	4.39	54.91	Peak	68.2	Pass
NVNT	ac80-MIMO	5775	5700	-54.09	4.39	45.53	Average	54	Pass
NVNT	ac80-MIMO	5775	5720	-43.49	4.39	56.13	Peak	68.2	Pass
NVNT	ac80-MIMO	5775	5720	-52.41	4.39	47.21	Average	54	Pass
NVNT	ac80-MIMO	5775	5725	-42.24	4.39	57.38	Peak	68.2	Pass
NVNT	ac80-MIMO	5775	5725	-51.47	4.39	48.15	Average	54	Pass
NVNT	ac80-MIMO	5775	5850	-46.27	4.39	53.35	Peak	68.2	Pass
NVNT	ac80-MIMO	5775	5850	-56.28	4.39	43.34	Average	54	Pass
NVNT	ac80-MIMO	5775	5855	-48.19	4.39	51.43	Peak	68.2	Pass
NVNT	ac80-MIMO	5775	5855	-56.75	4.39	42.87	Average	54	Pass
NVNT	ac80-MIMO	5775	5875	-47.87	4.39	51.75	Peak	68.2	Pass
NVNT	ac80-MIMO	5775	5875	-56.85	4.39	42.77	Average	54	Pass
NVNT	ac80-MIMO	5775	5925	-48.07	4.39	51.55	Peak	68.2	Pass
NVNT	ac80-MIMO	5775	5925	-57.11	4.39	42.51	Average	54	Pass

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

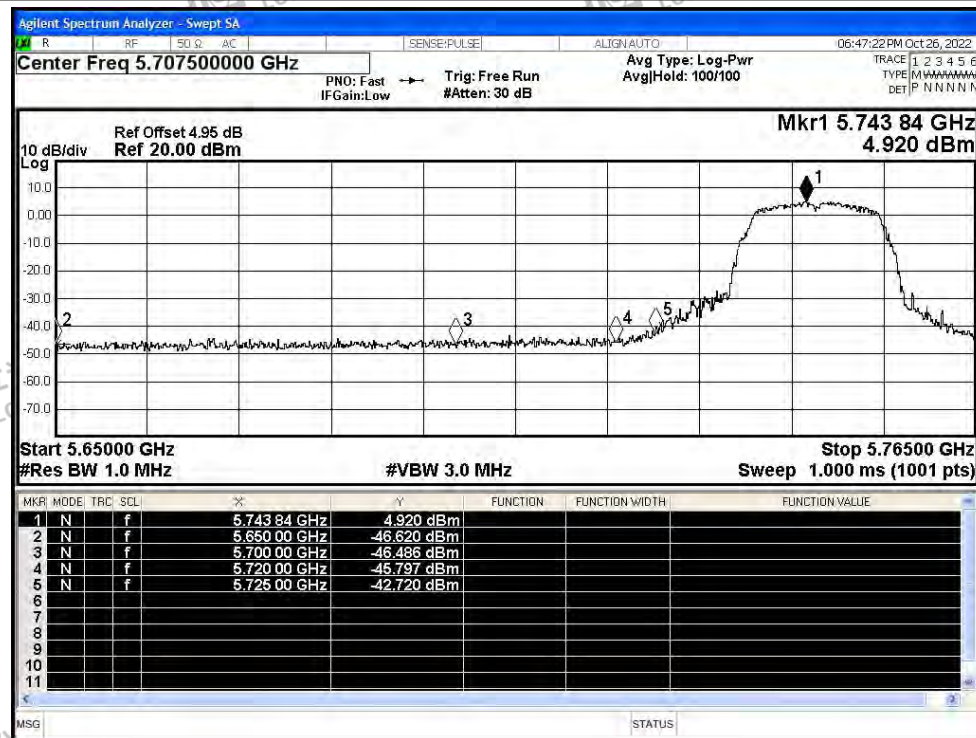


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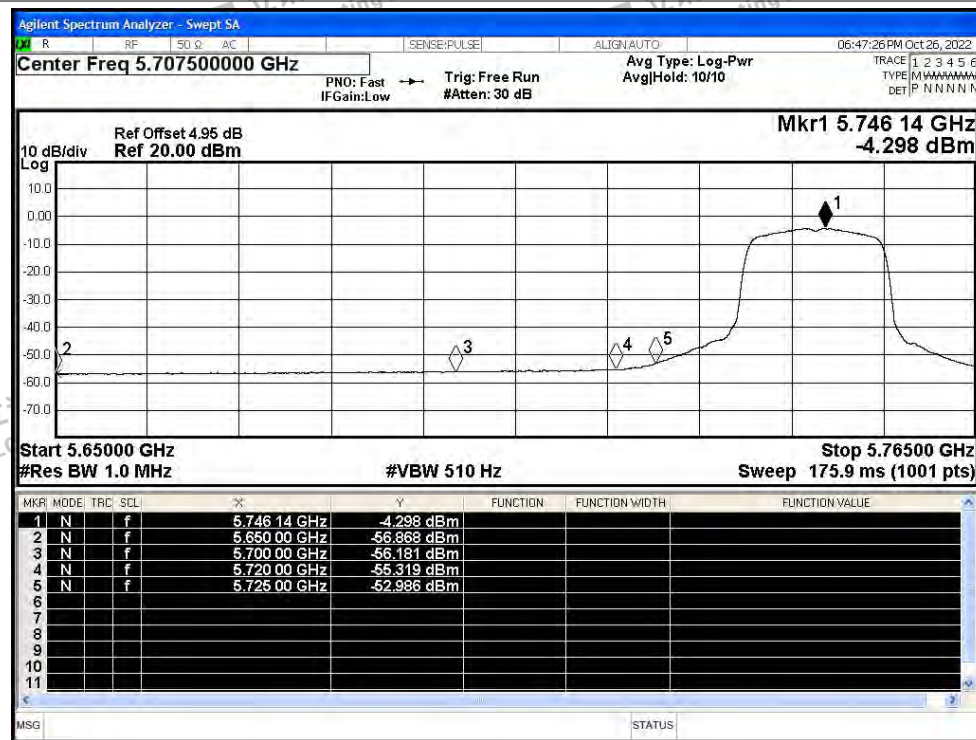


Test Graphs

Restrict Band NVNT a 5745MHz Peak

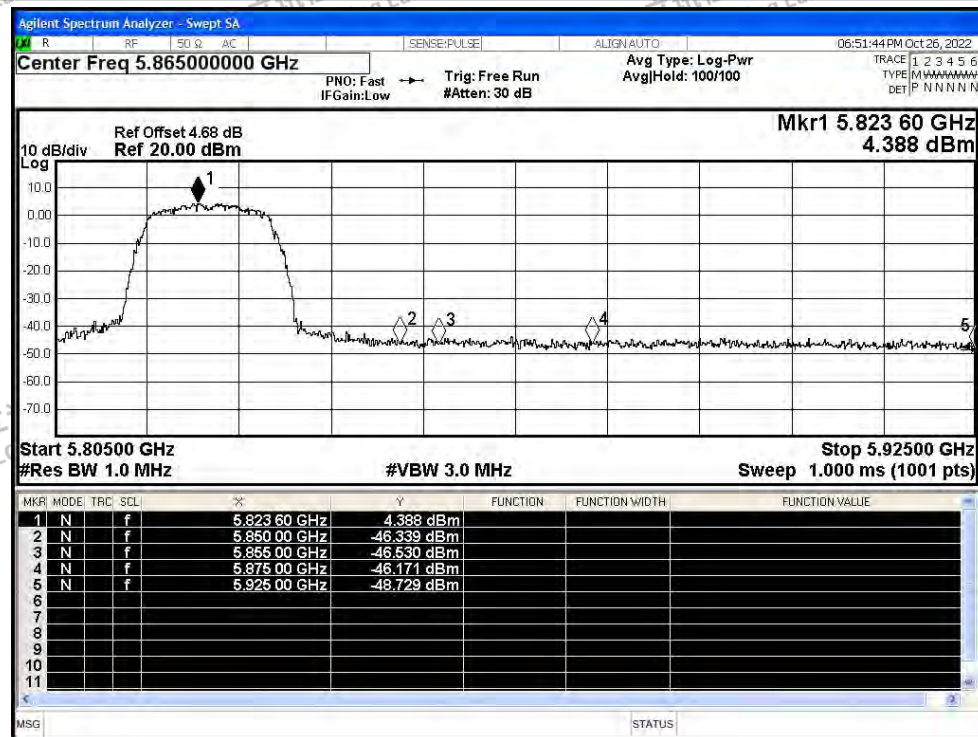


Restrict Band NVNT a 5745MHz Average

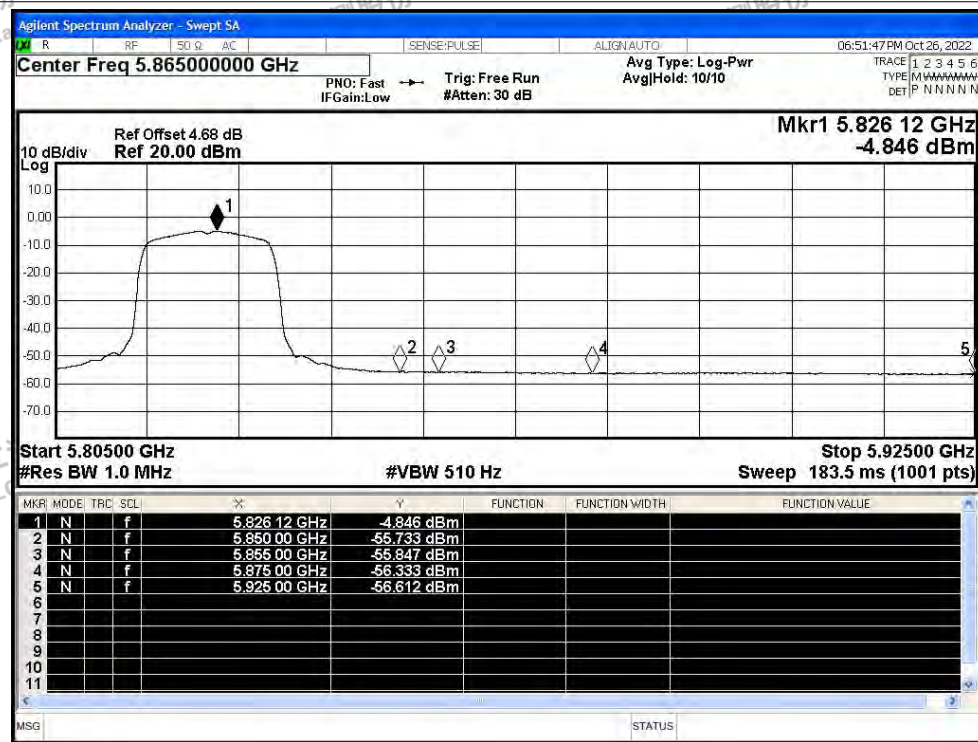




Restrict Band NVNT a 5825MHz Peak

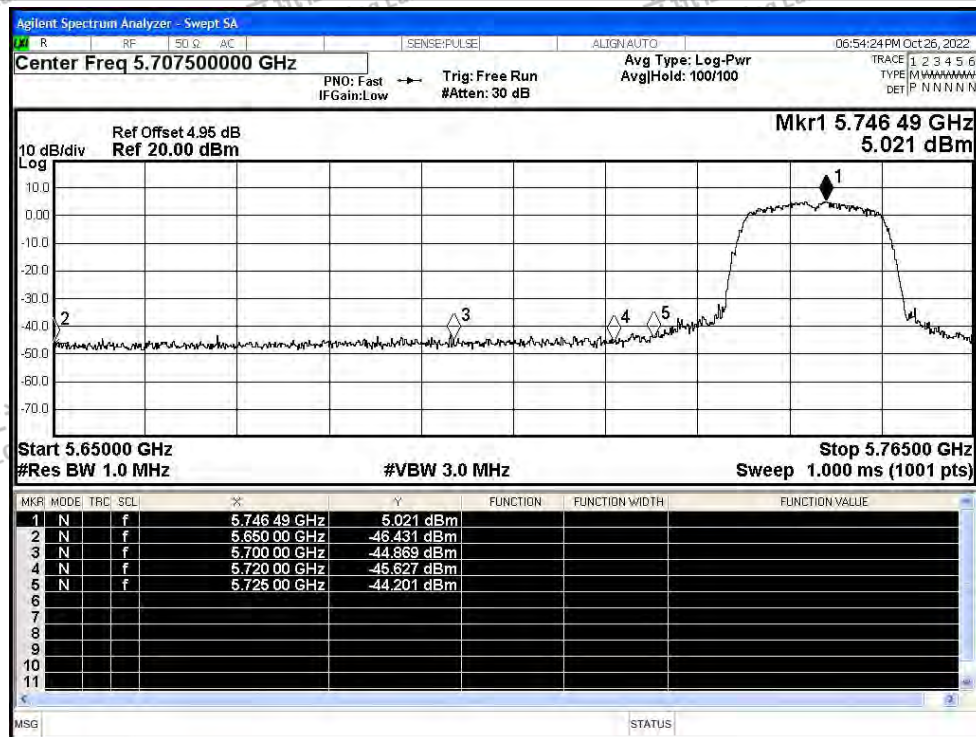


Restrict Band NVNT a 5825MHz Average

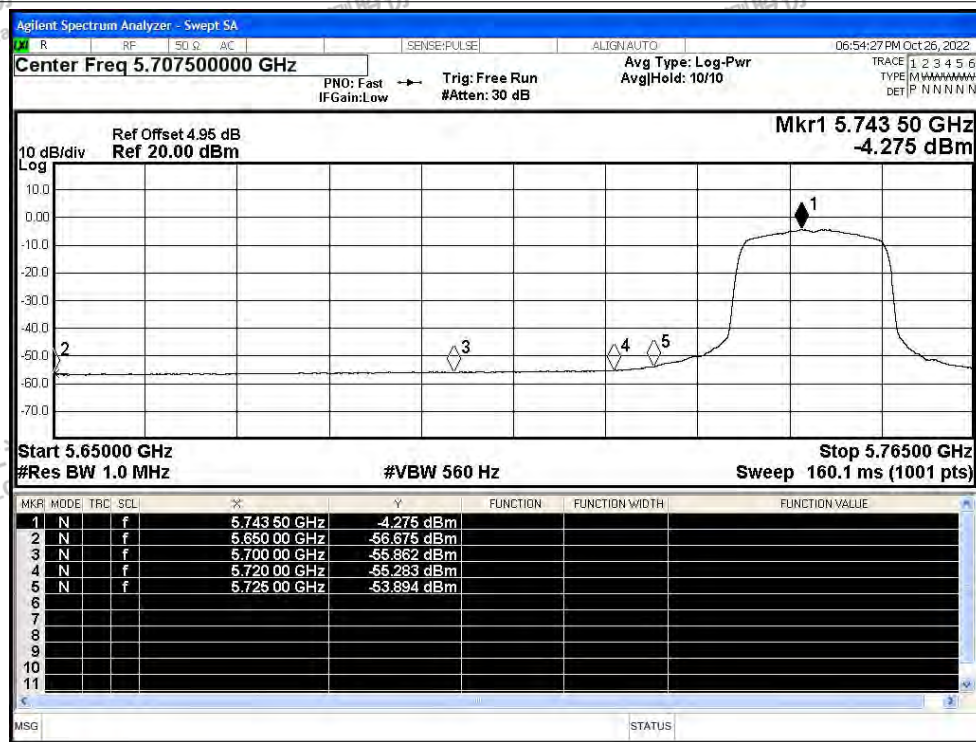




Restrict Band NVNT n20-MIMO 5745MHz Peak

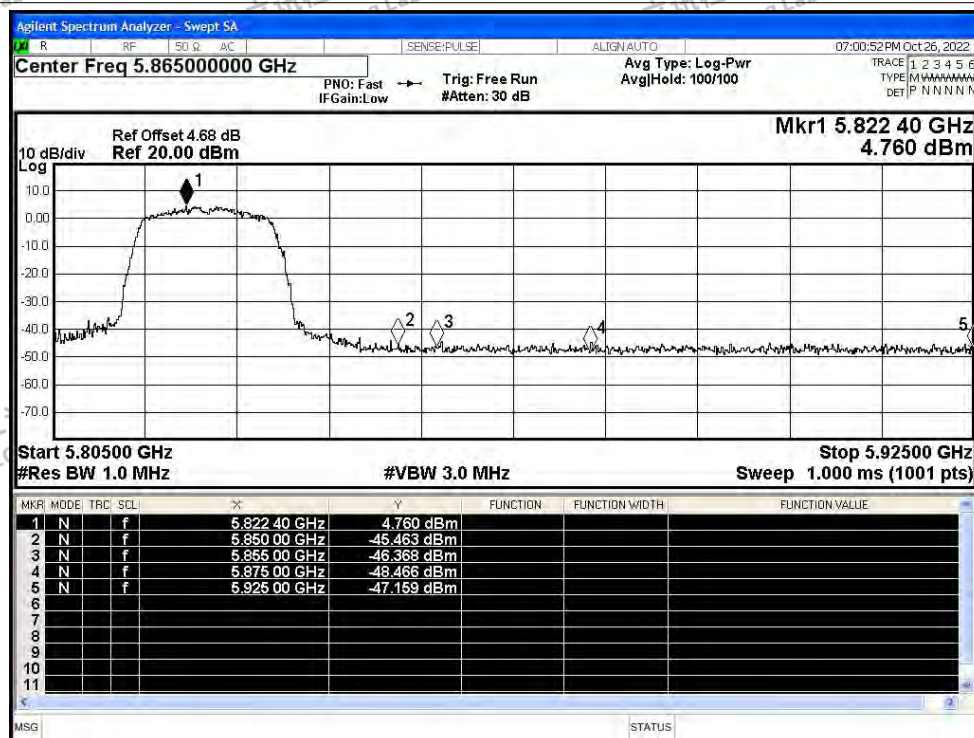


Restrict Band NVNT n20-MIMO 5745MHz Average

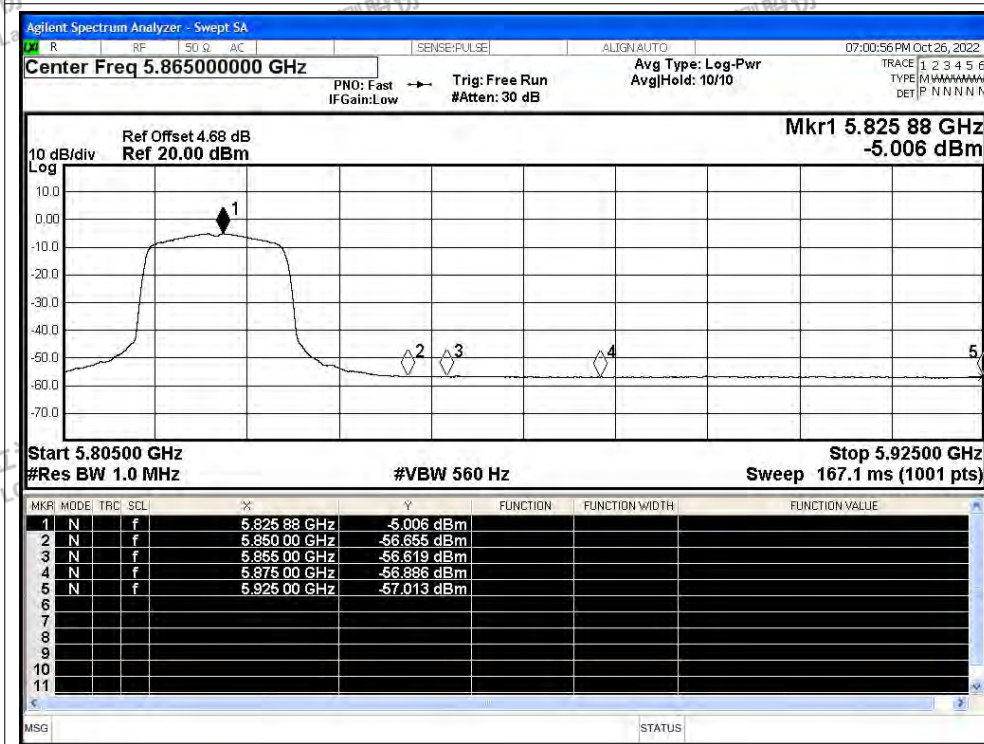




Restrict Band NVNT n20-MIMO 5825MHz Peak



Restrict Band NVNT n20-MIMO 5825MHz Average



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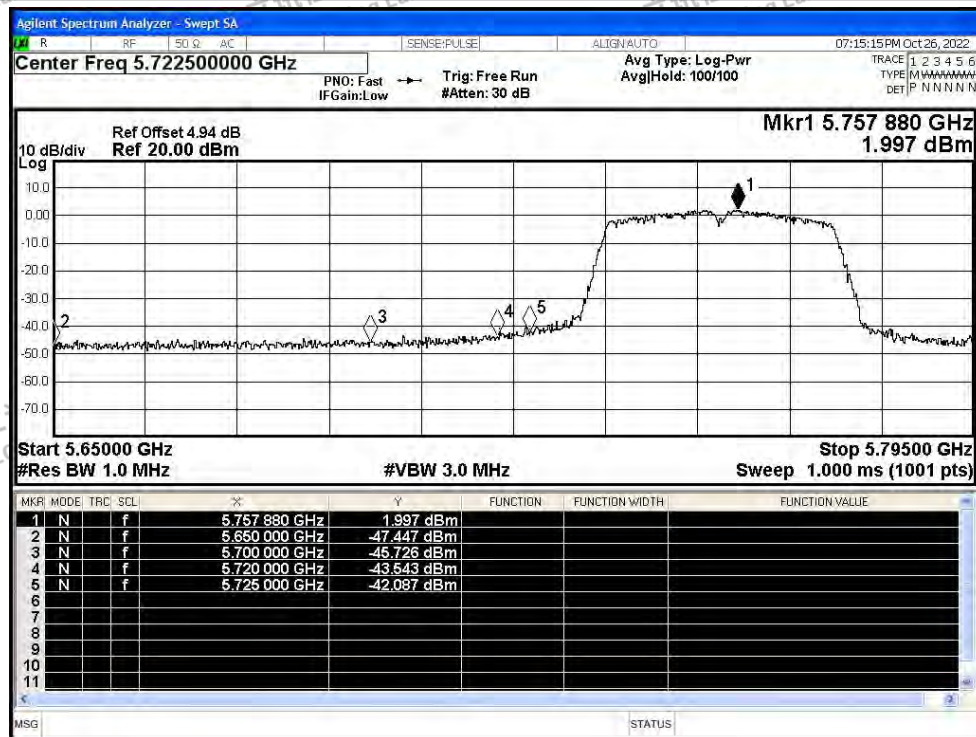
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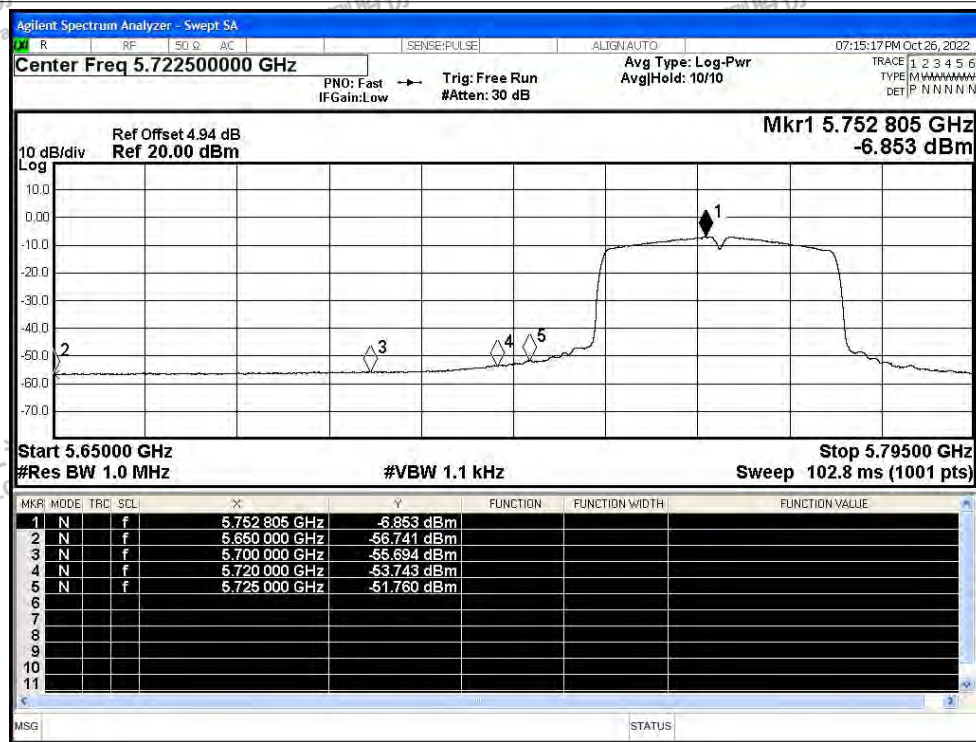
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Restrict Band NVNT n40-MIMO 5755MHz Peak

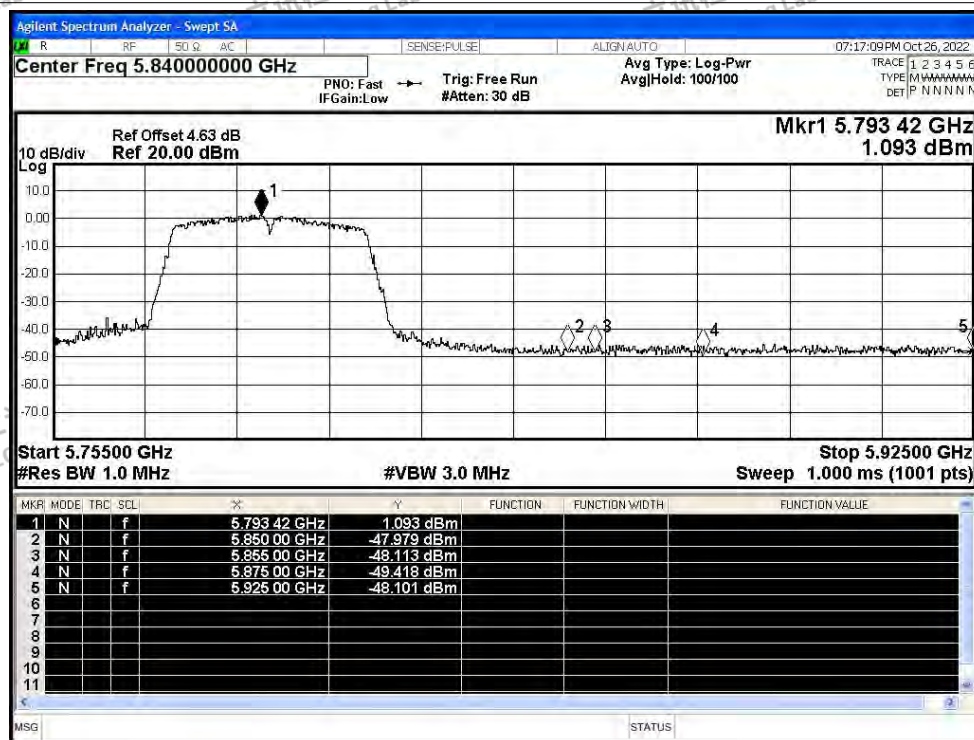


Restrict Band NVNT n40-MIMO 5755MHz Average

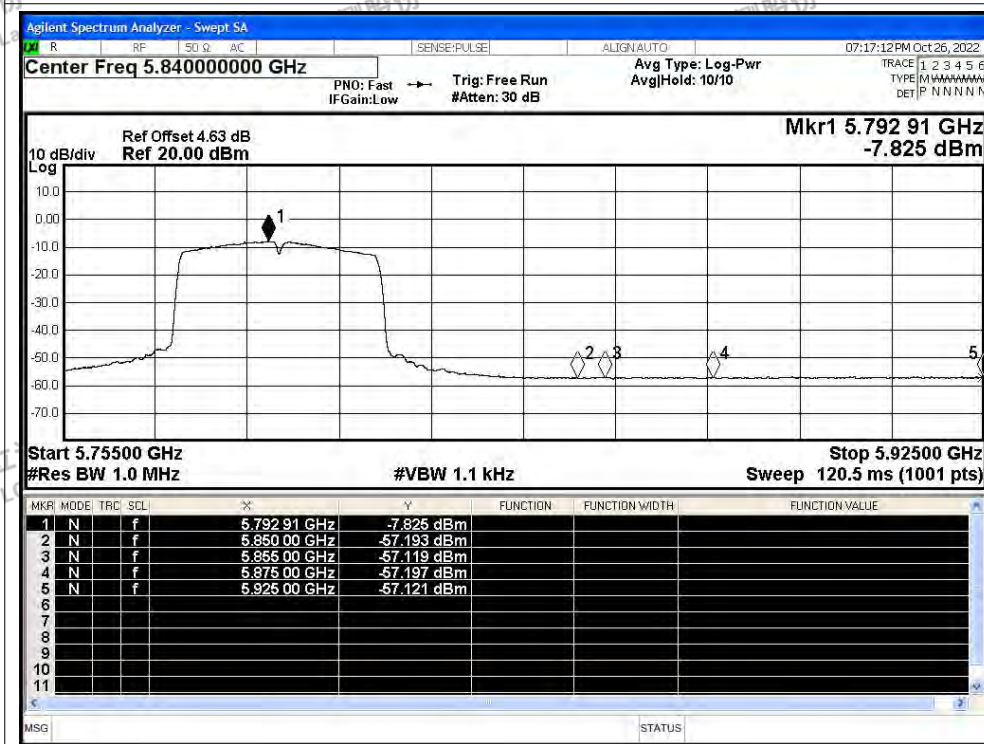




Restrict Band NVNT n40-MIMO 5795MHz Peak



Restrict Band NVNT n40-MIMO 5795MHz Average



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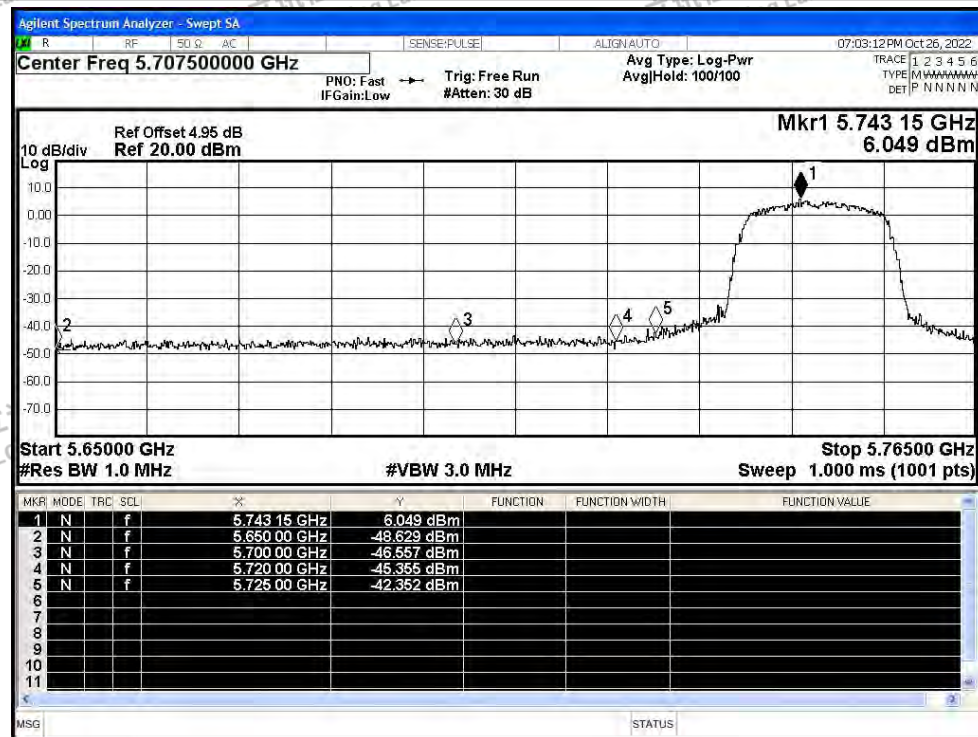
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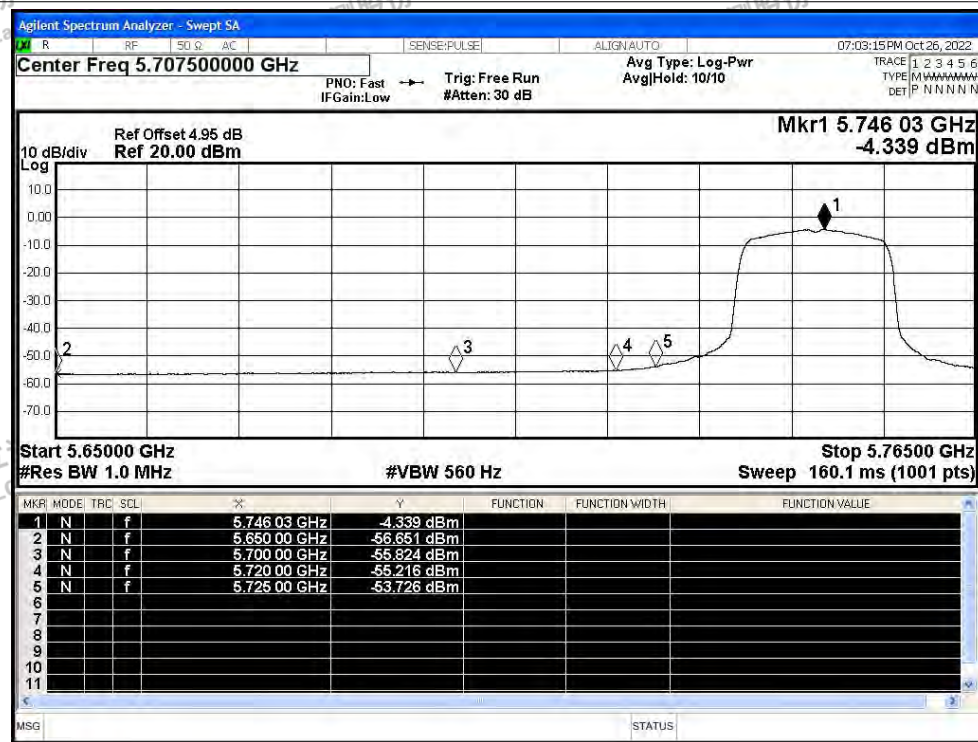
Scan code to check authenticity



Restrict Band NVNT ac20-MIMO 5745MHz Peak

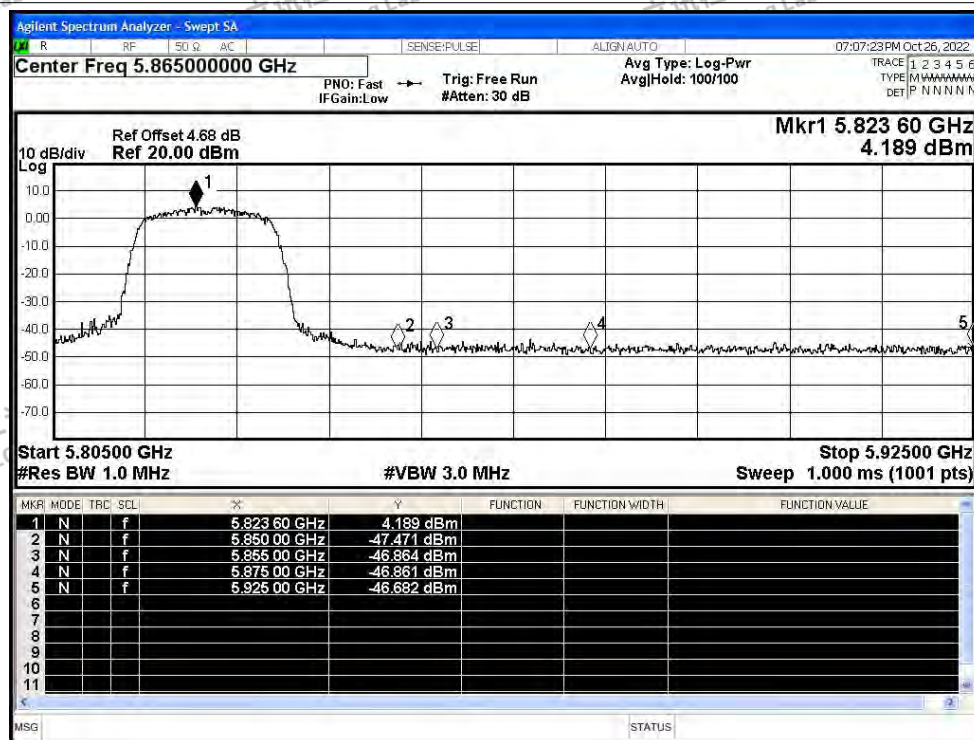


Restrict Band NVNT ac20-MIMO 5745MHz Average

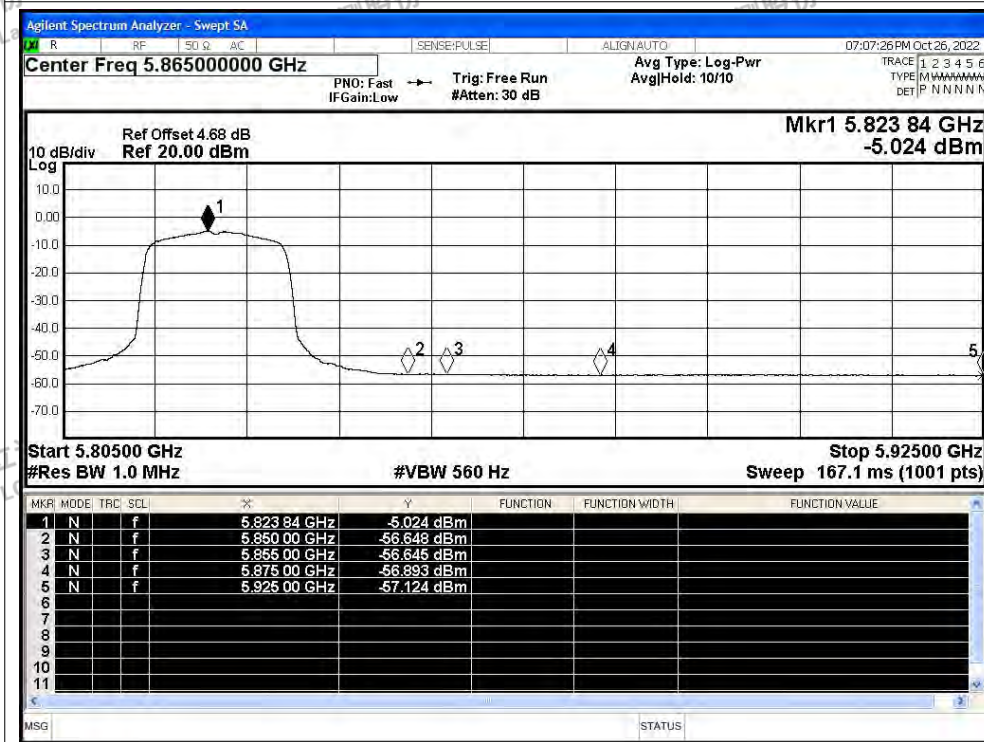




Restrict Band NVNT ac20-MIMO 5825MHz Peak

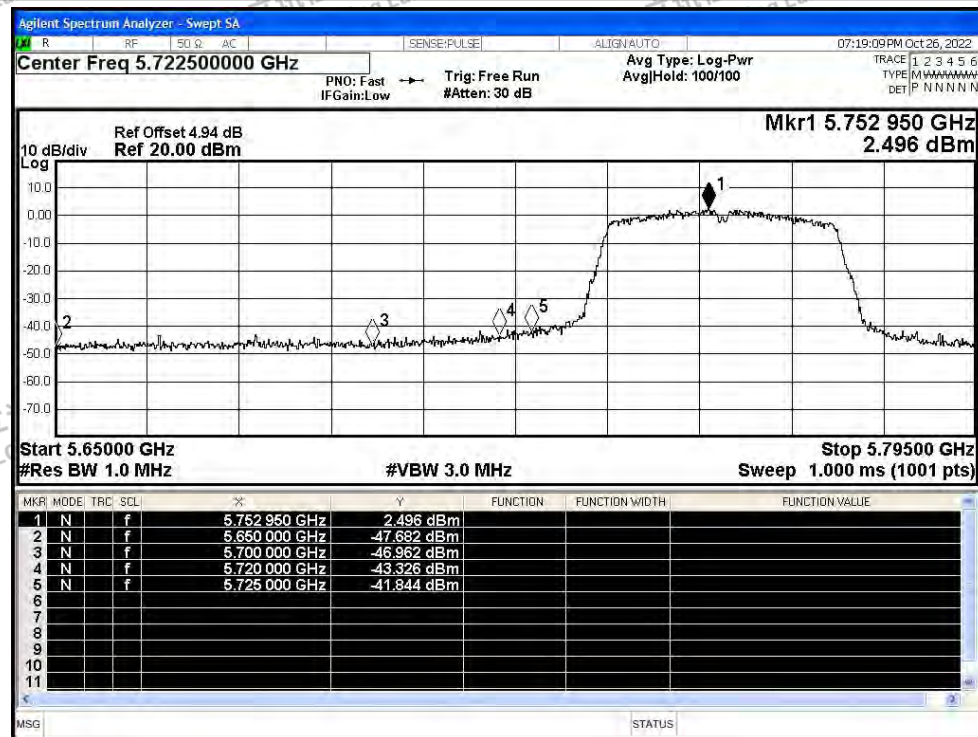


Restrict Band NVNT ac20-MIMO 5825MHz Average

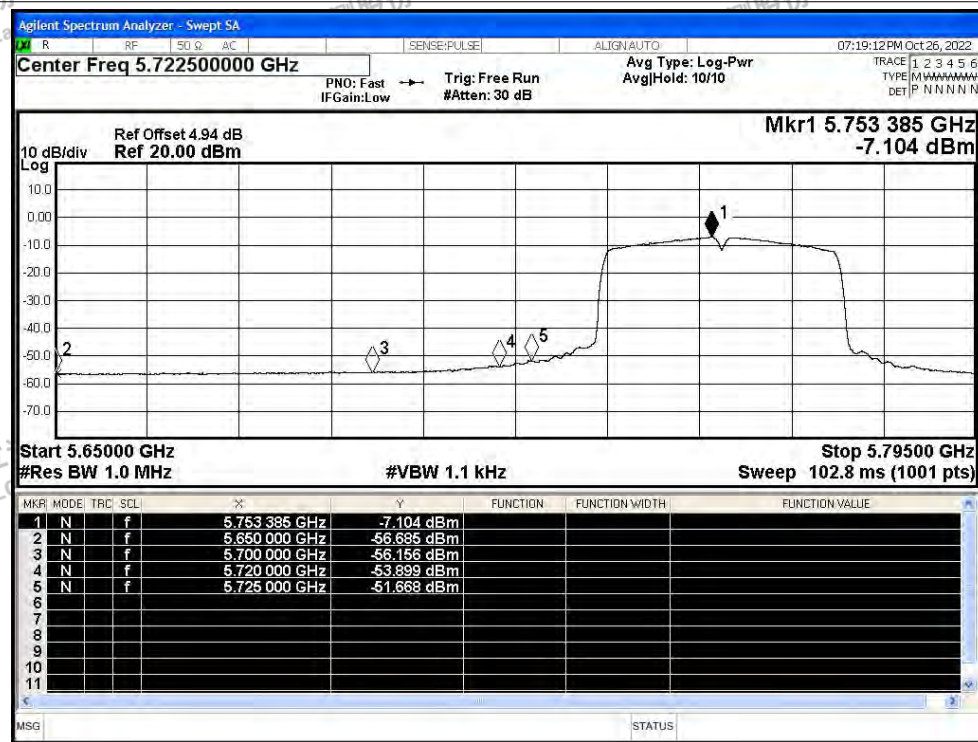




Restrict Band NVNT ac40-MIMO 5755MHz Peak

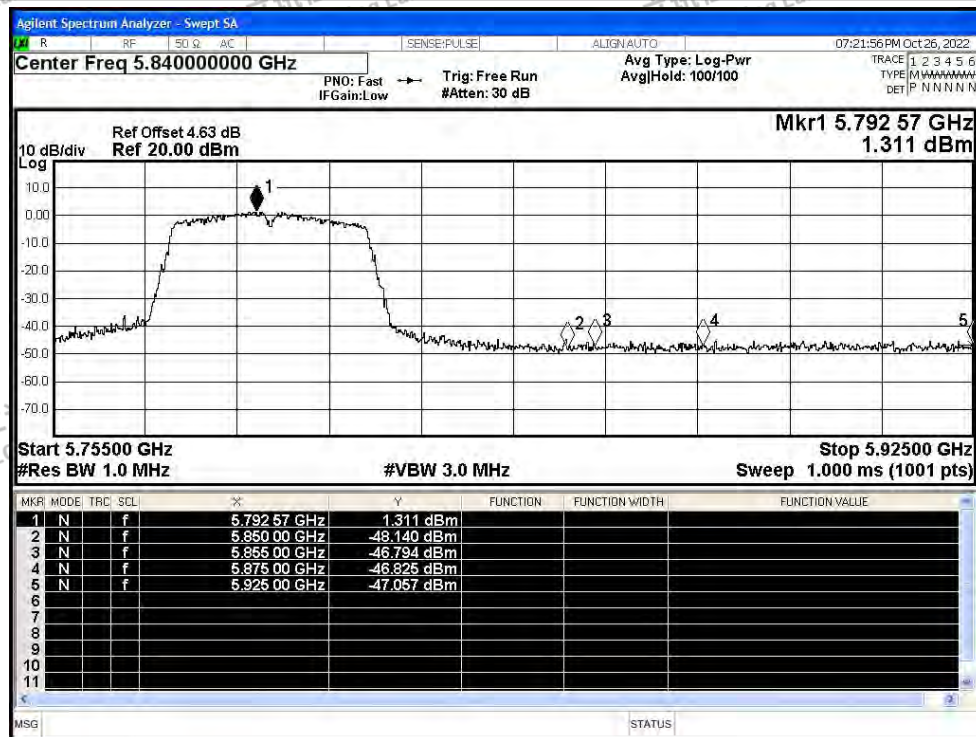


Restrict Band NVNT ac40-MIMO 5755MHz Average

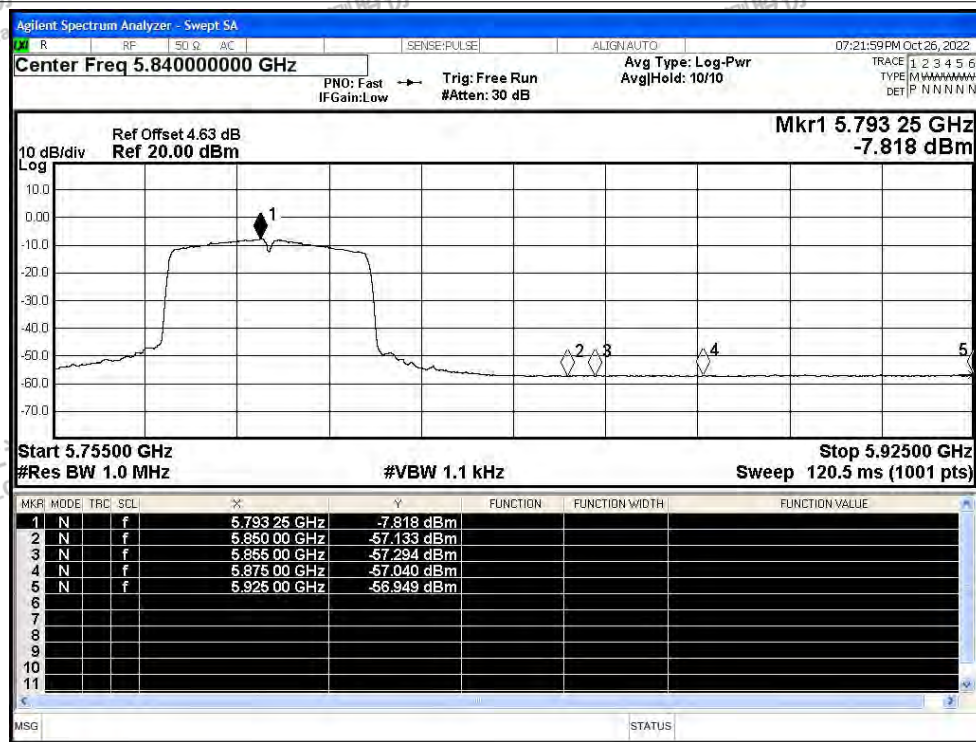




Restrict Band NVNT ac40-MIMO 5795MHz Peak

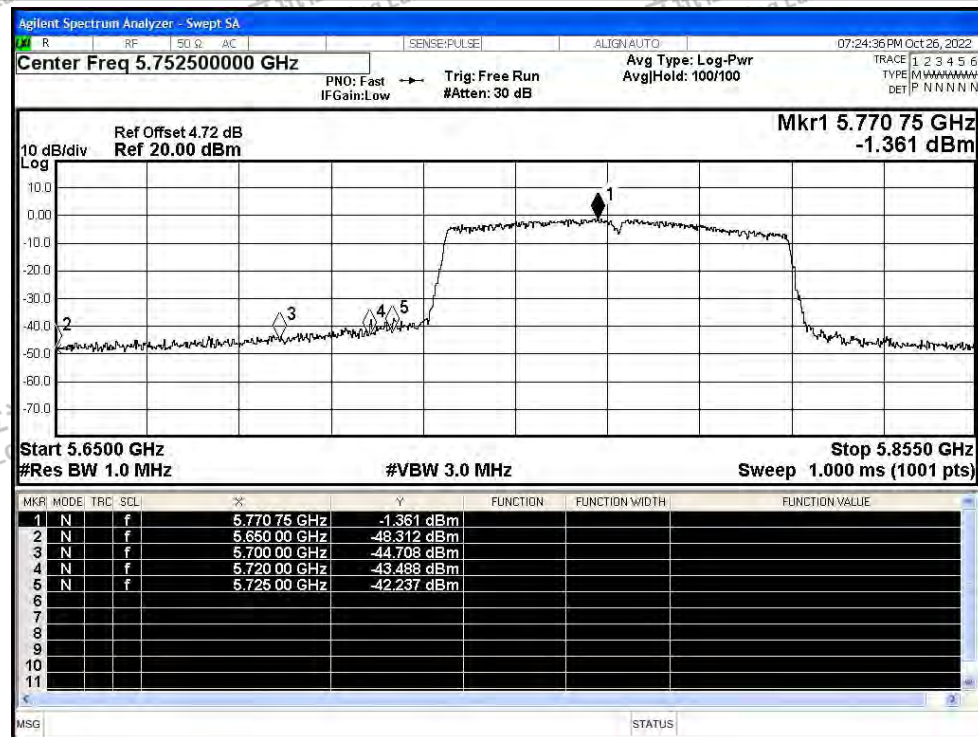


Restrict Band NVNT ac40-MIMO 5795MHz Average

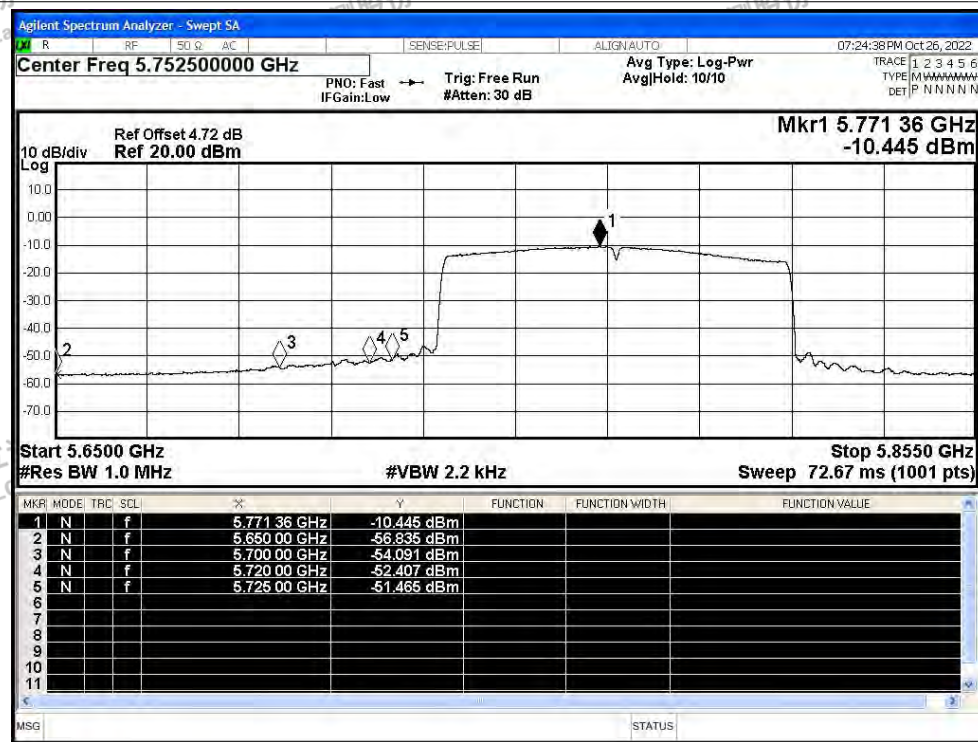




Restrict Band NVNT ac80-MIMO 5775MHz Peak

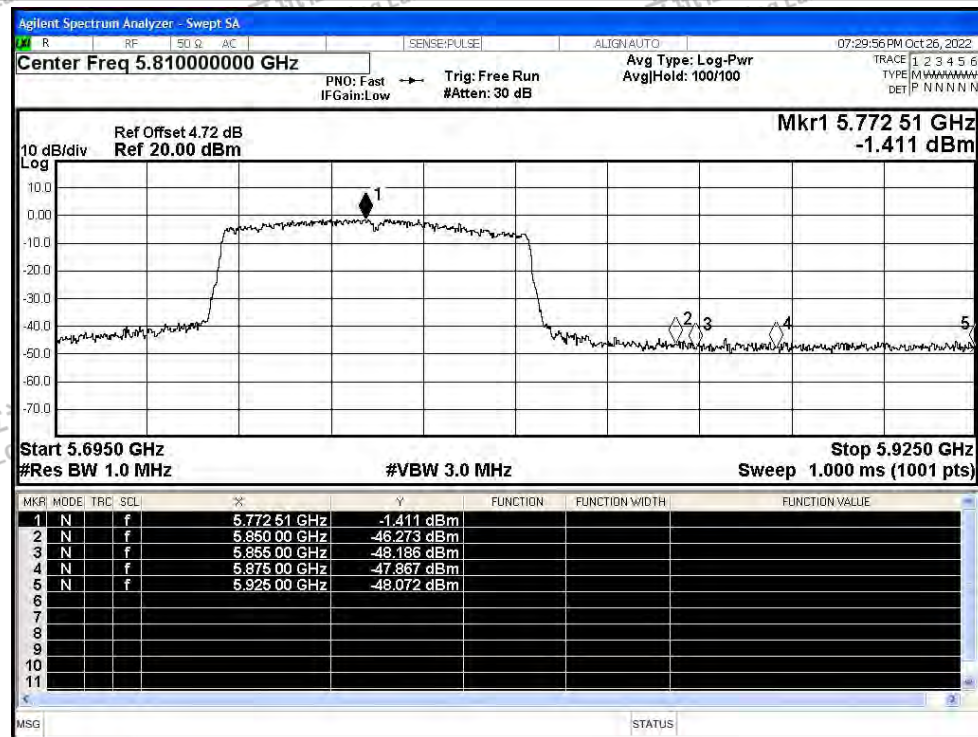


Restrict Band NVNT ac80-MIMO 5775MHz Average

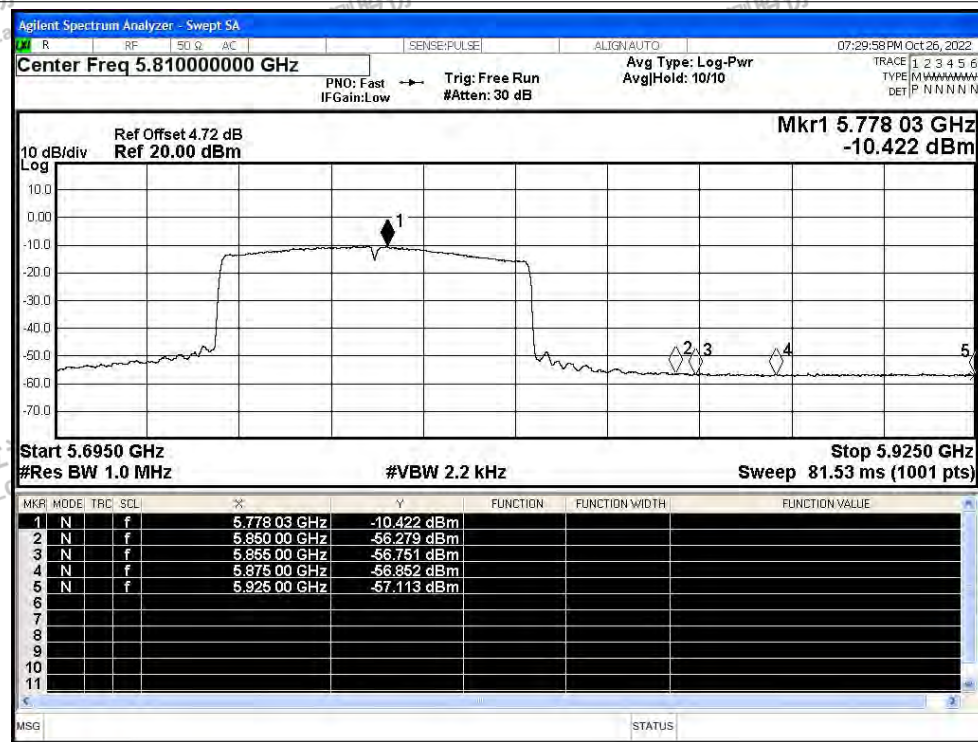




Restrict Band NVNT ac80-MIMO 5775MHz Peak



Restrict Band NVNT ac80-MIMO 5775MHz Average





D.5 Frequency Stability

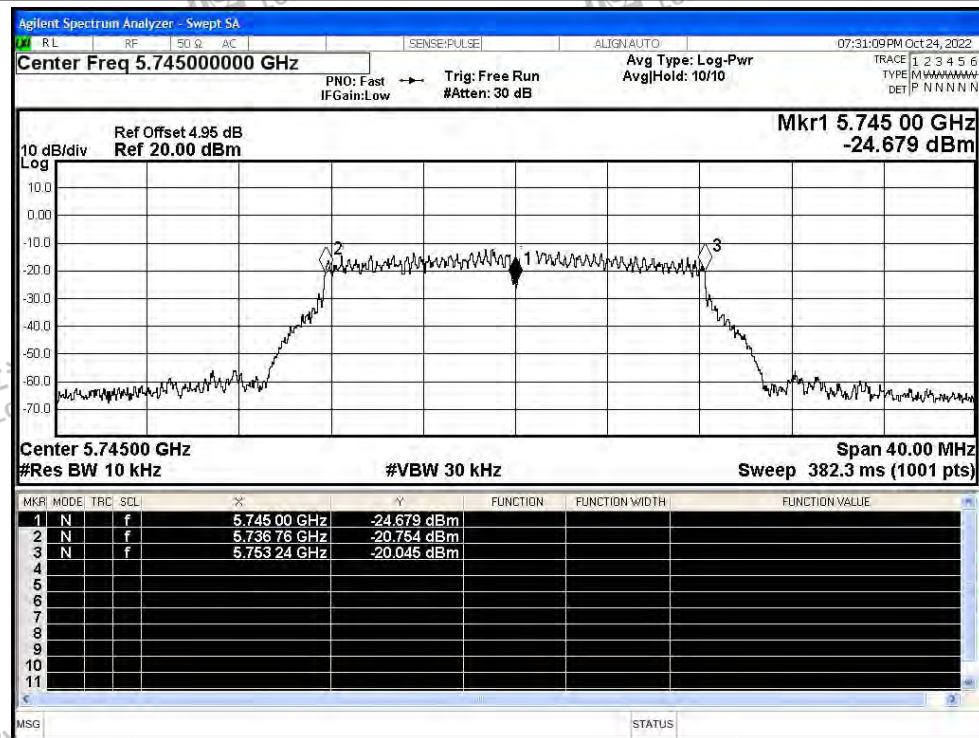
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant1	5745	0	0	25	Pass
NVNT	a	5785	Ant1	5784.96	-40000	-6.91	25	Pass
NVNT	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
NVNT	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
NVNT	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
NVNT	n20	5825	Ant1	5825	0	0	25	Pass
NVNT	n40	5755	Ant1	5755	0	0	25	Pass
NVNT	n40	5795	Ant1	5795	0	0	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	5824.98	-20000	-3.43	25	Pass
NVNT	ac40	5755	Ant1	5755	0	0	25	Pass
NVNT	ac40	5795	Ant1	5795	0	0	25	Pass
NVNT	ac80	5775	Ant1	5775	0	0	25	Pass



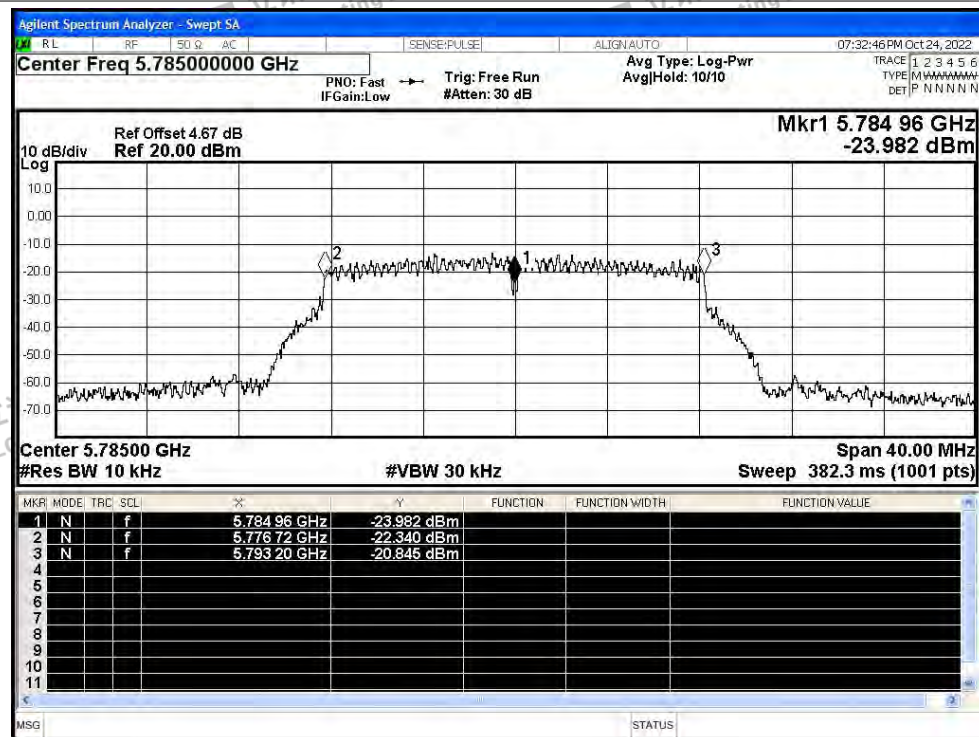


Test Graphs

Freq. Stability NVNT a 5745MHz Ant1

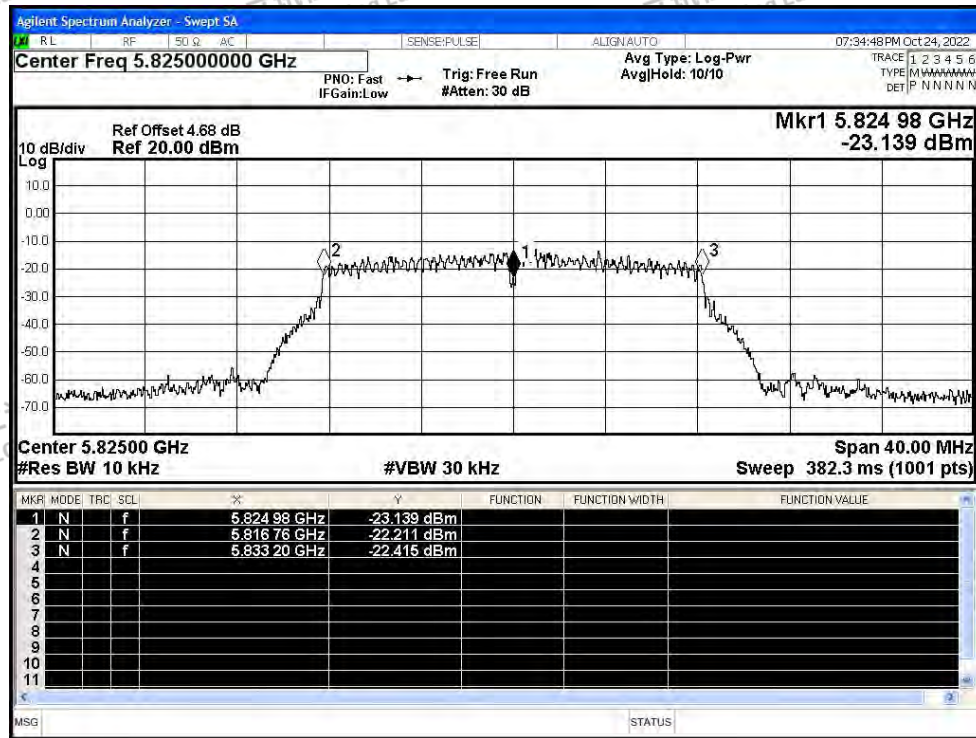


Freq. Stability NVNT a 5785MHz Ant1

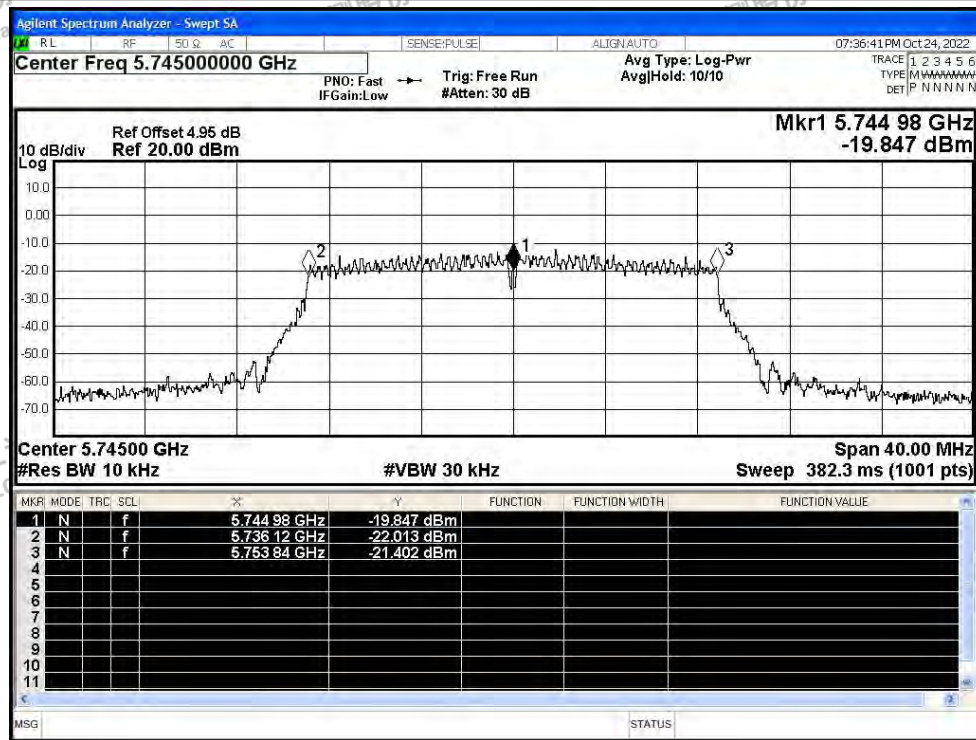




Freq. Stability NVNT a 5825MHz Ant1

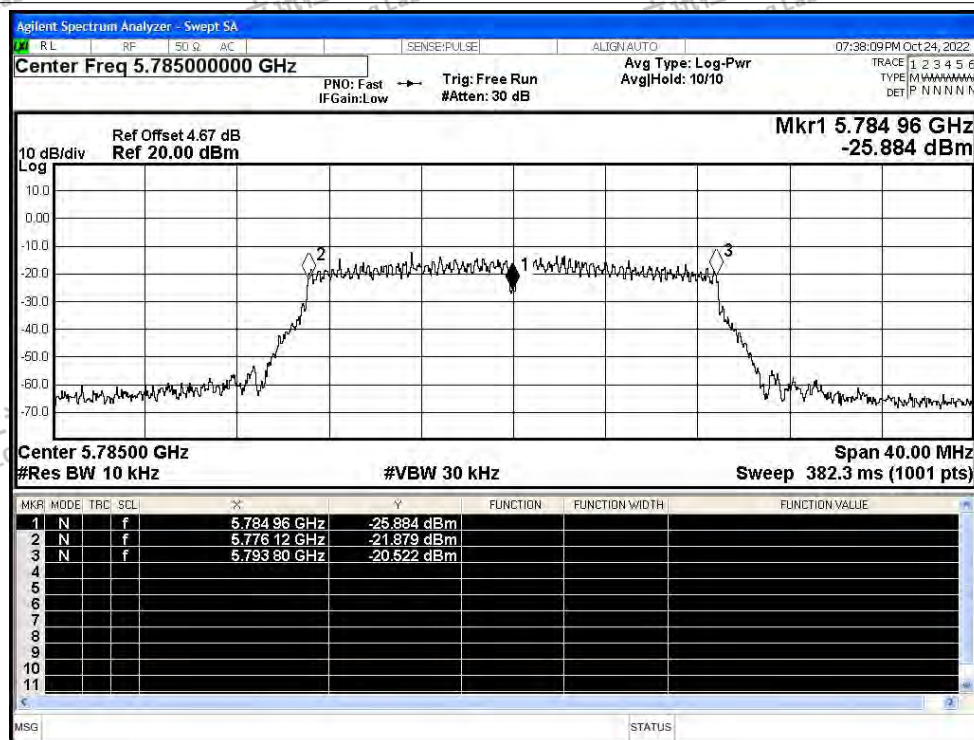


Freq. Stability NVNT n20 5745MHz Ant1

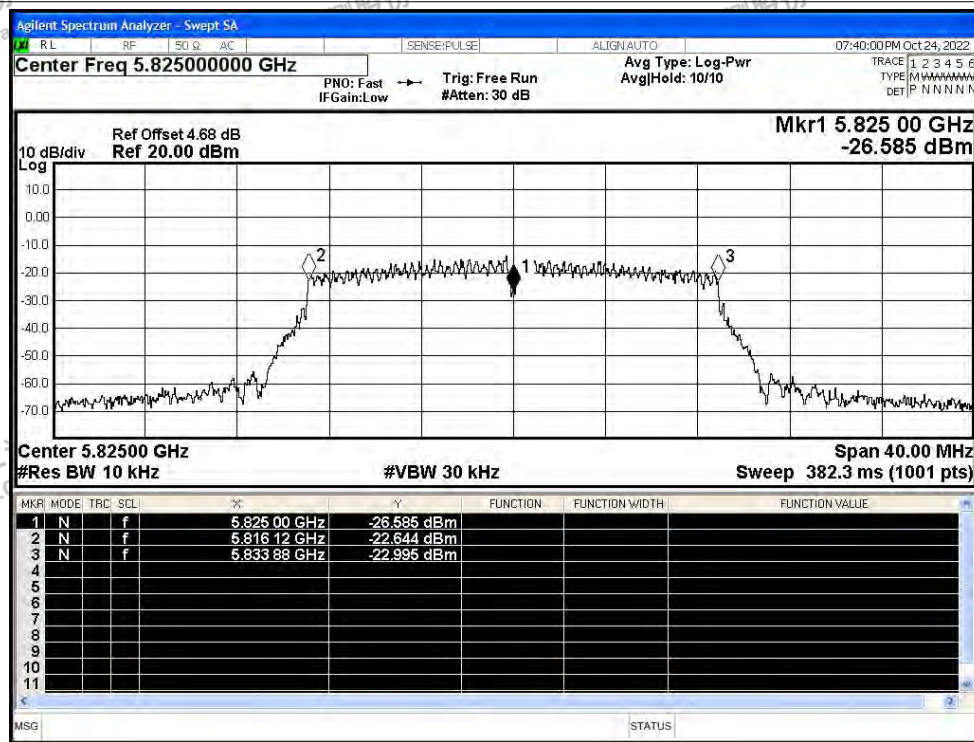




Freq. Stability NVNT n20 5785MHz Ant1

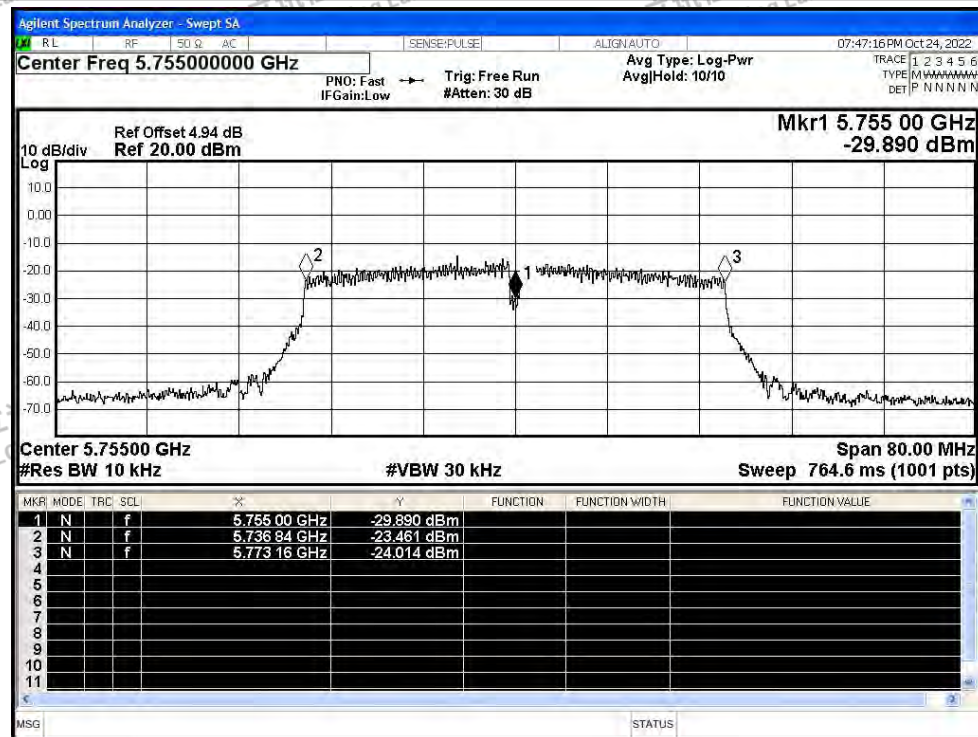


Freq. Stability NVNT n20 5825MHz Ant1

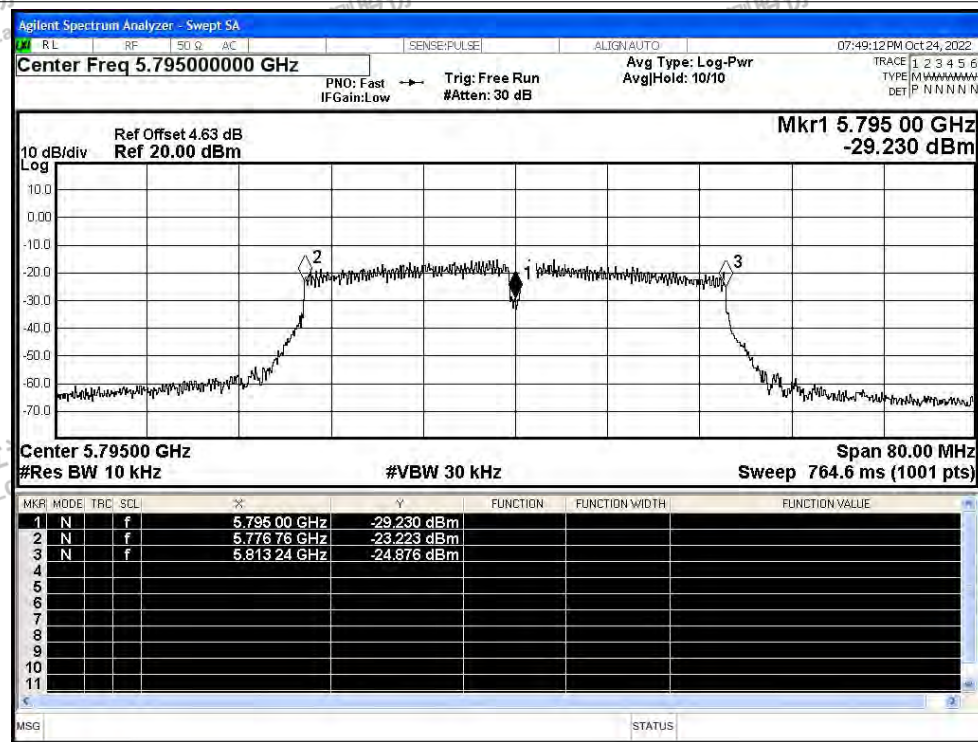




Freq. Stability NVNT n40 5755MHz Ant1

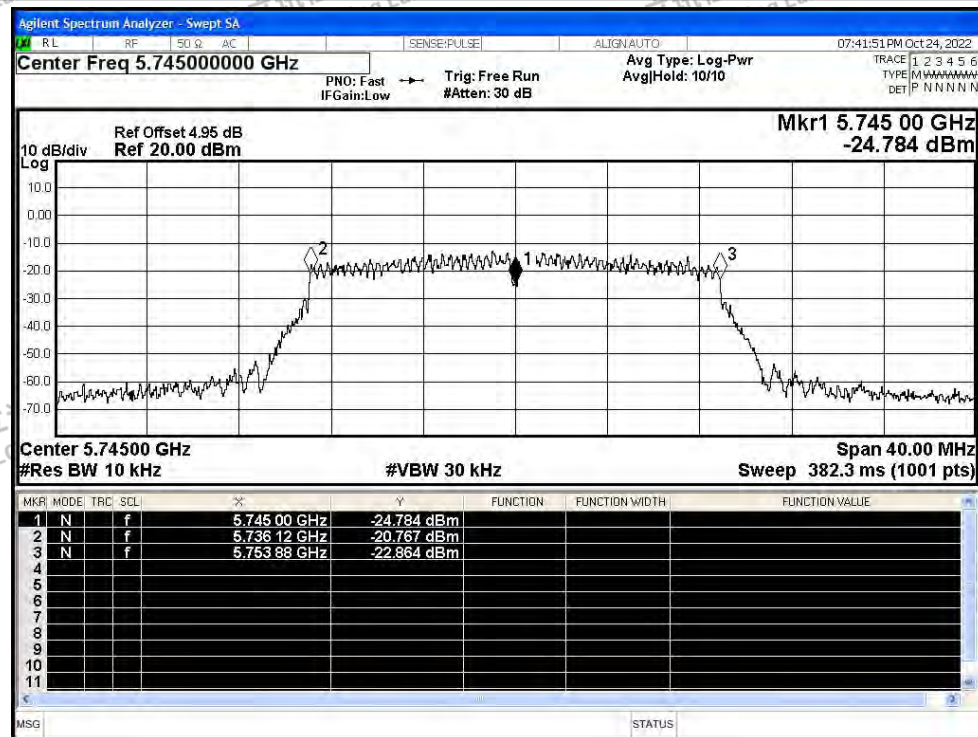


Freq. Stability NVNT n40 5795MHz Ant1

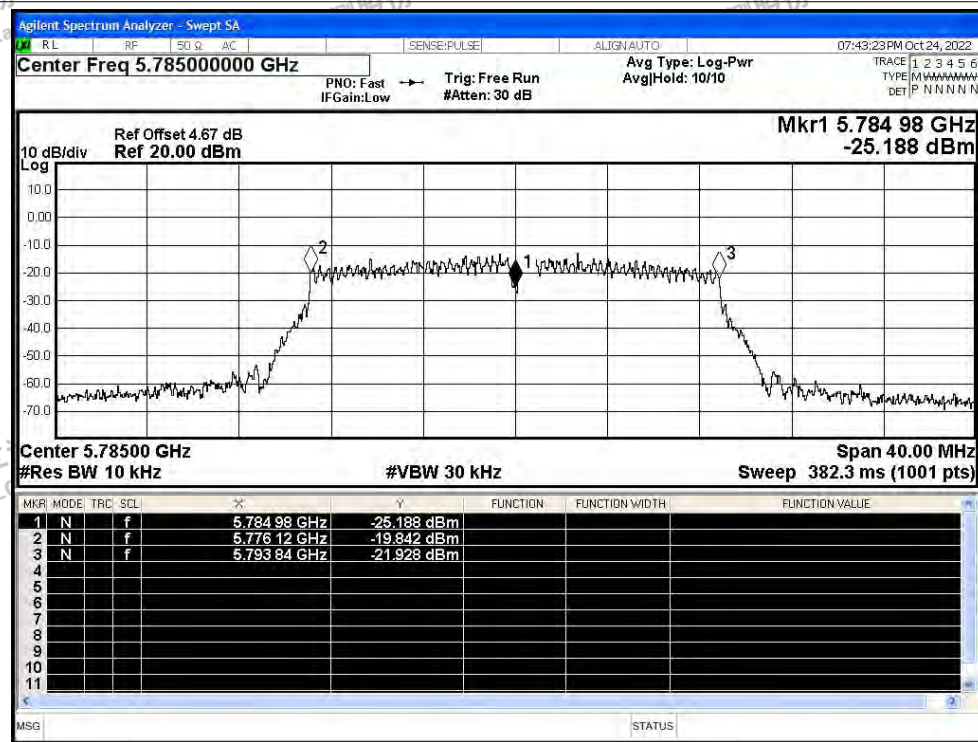




Freq. Stability NVNT ac20 5745MHz Ant1

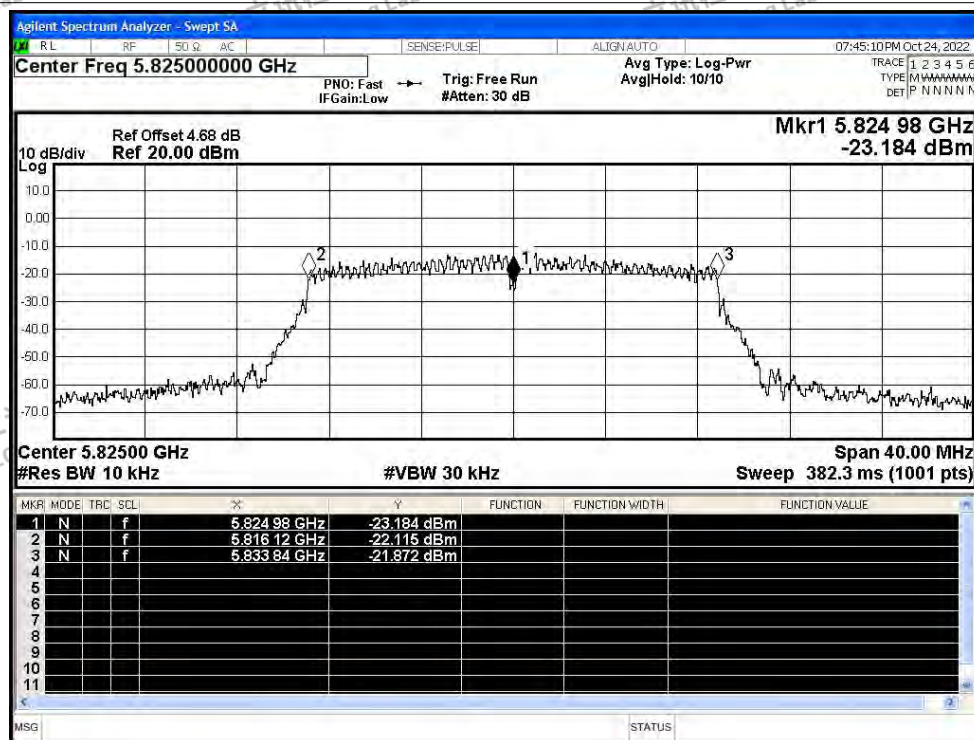


Freq. Stability NVNT ac20 5785MHz Ant1

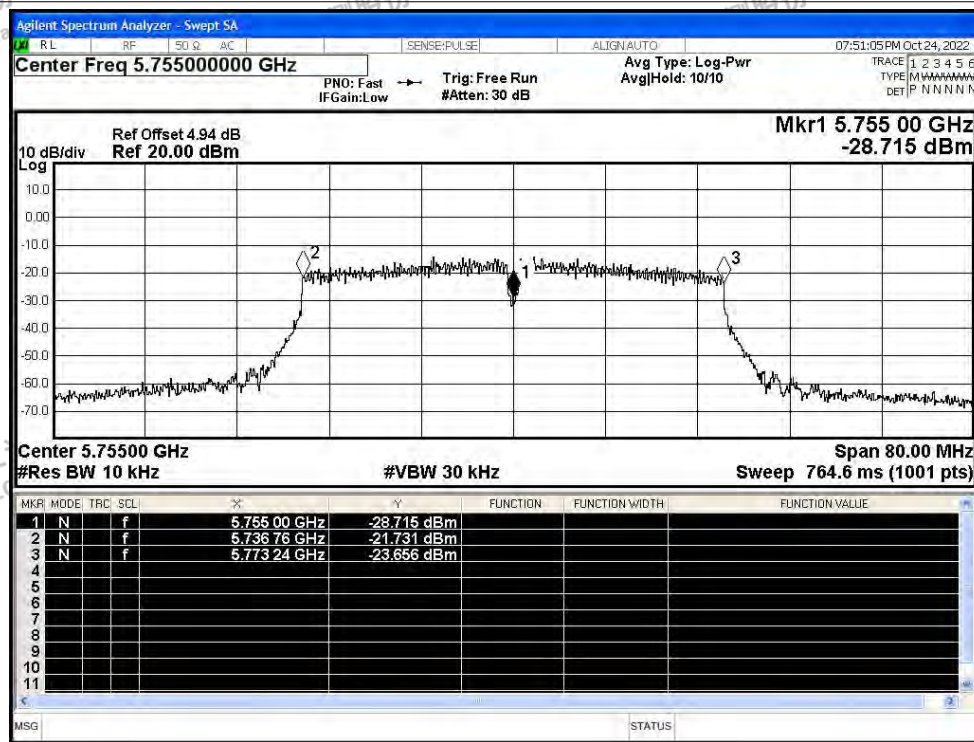




Freq. Stability NVNT ac20 5825MHz Ant1

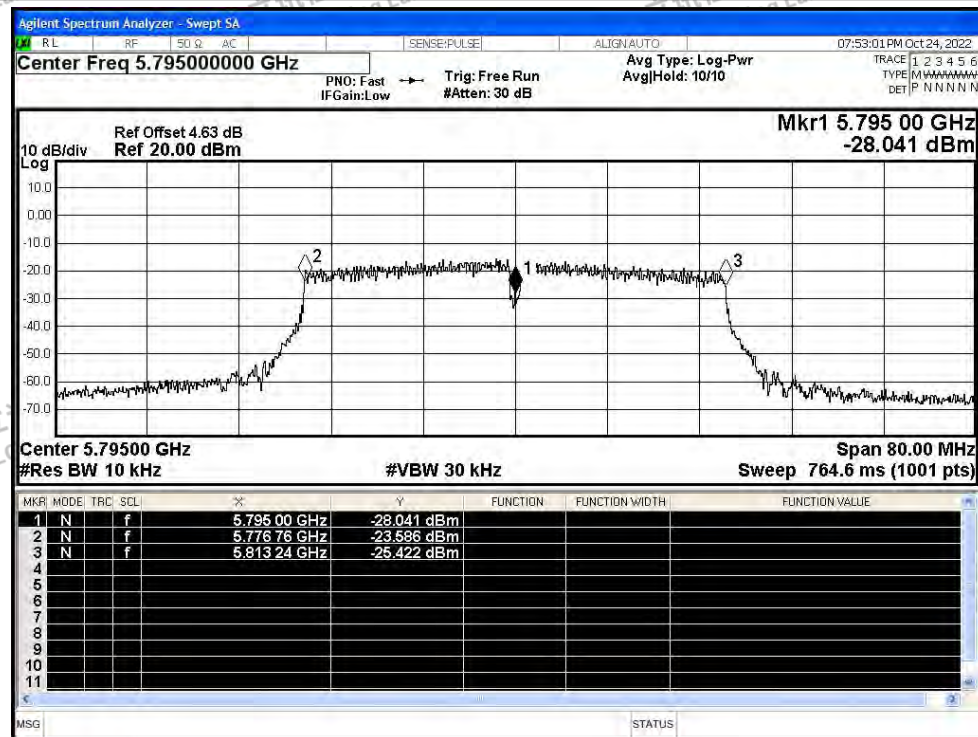


Freq. Stability NVNT ac40 5755MHz Ant1

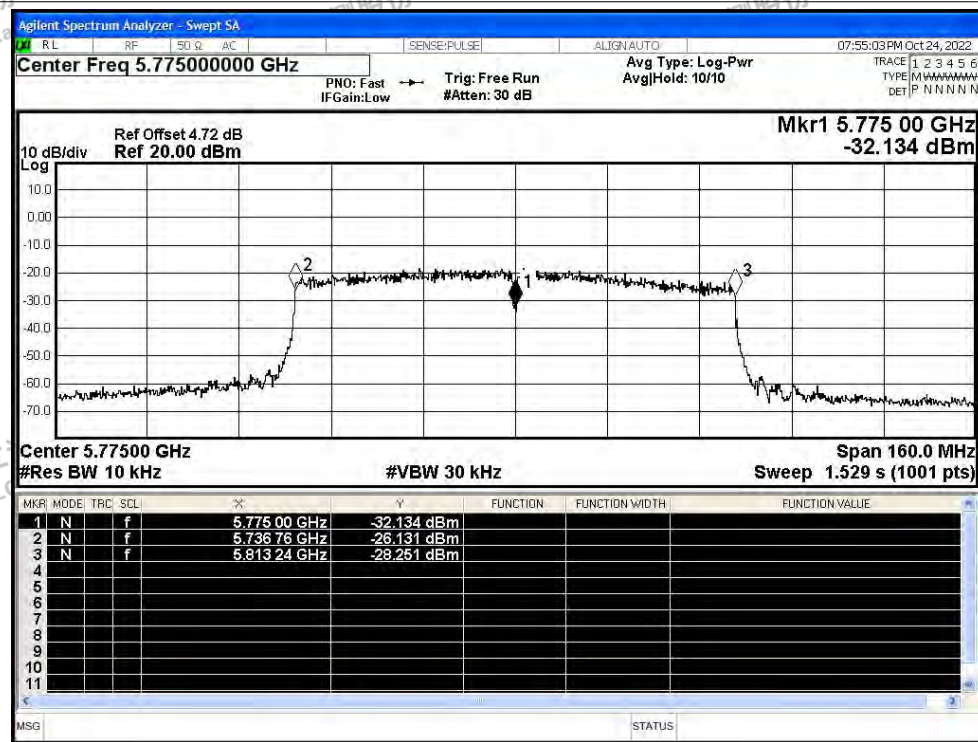




Freq. Stability NVNT ac40 5795MHz Ant1



Freq. Stability NVNT ac80 5775MHz Ant1





Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant2	5744.98	-20000	-3.48	25	Pass
NVNT	a	5785	Ant2	5784.96	-40000	-6.91	25	Pass
NVNT	a	5825	Ant2	5824.98	-20000	-3.43	25	Pass
NVNT	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
NVNT	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
NVNT	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
NVNT	n40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
NVNT	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
NVNT	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
NVNT	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
NVNT	ac20	5825	Ant2	5825	0	0	25	Pass
NVNT	ac40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
NVNT	ac40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
NVNT	ac80	5775	Ant2	5775	0	0	25	Pass

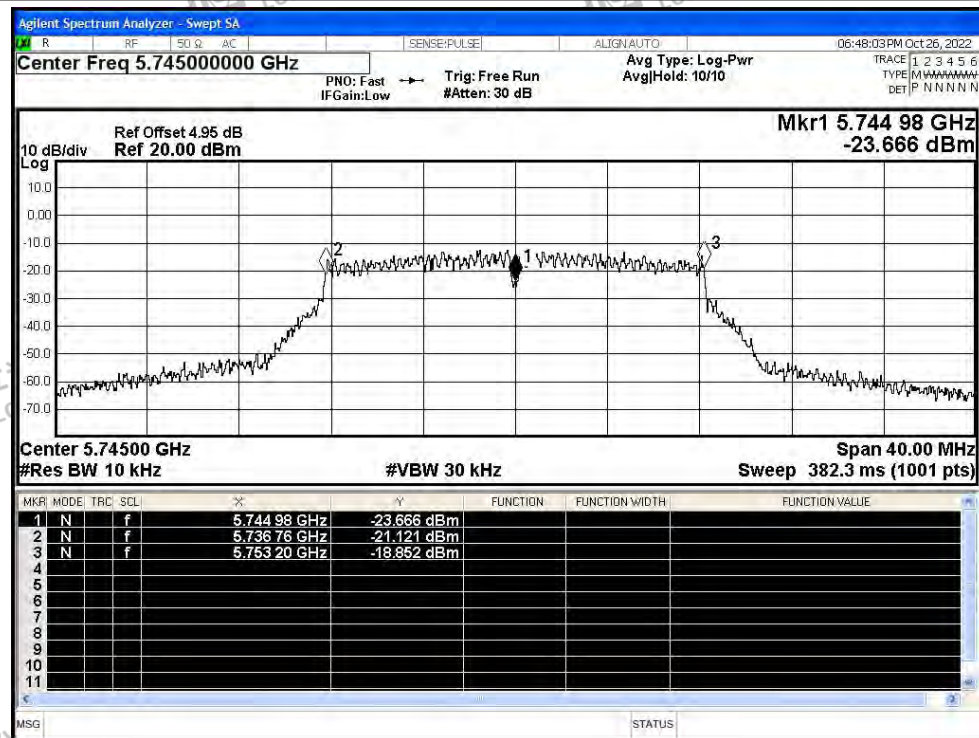


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Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen,
518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

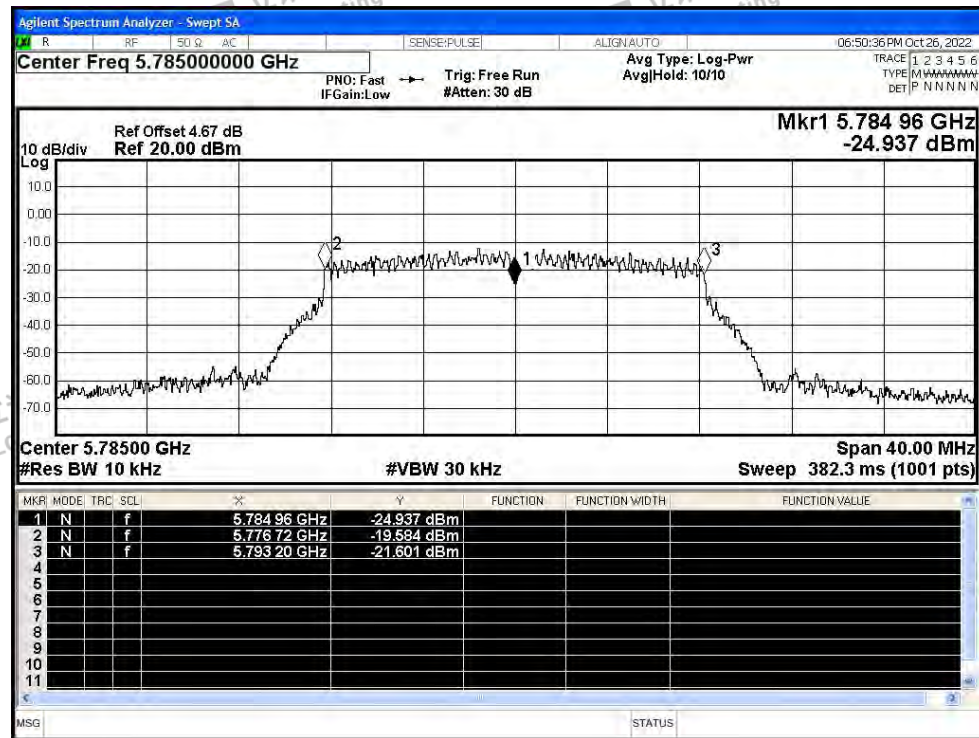


Test Graphs

Freq. Stability NVNT a 5745MHz Ant2

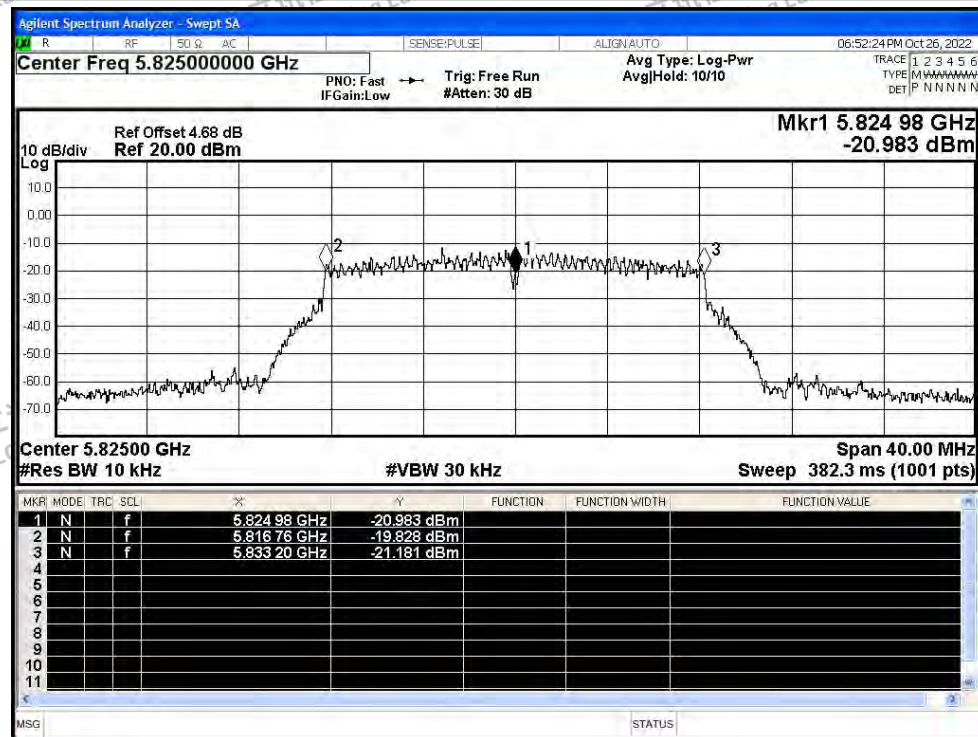


Freq. Stability NVNT a 5785MHz Ant2

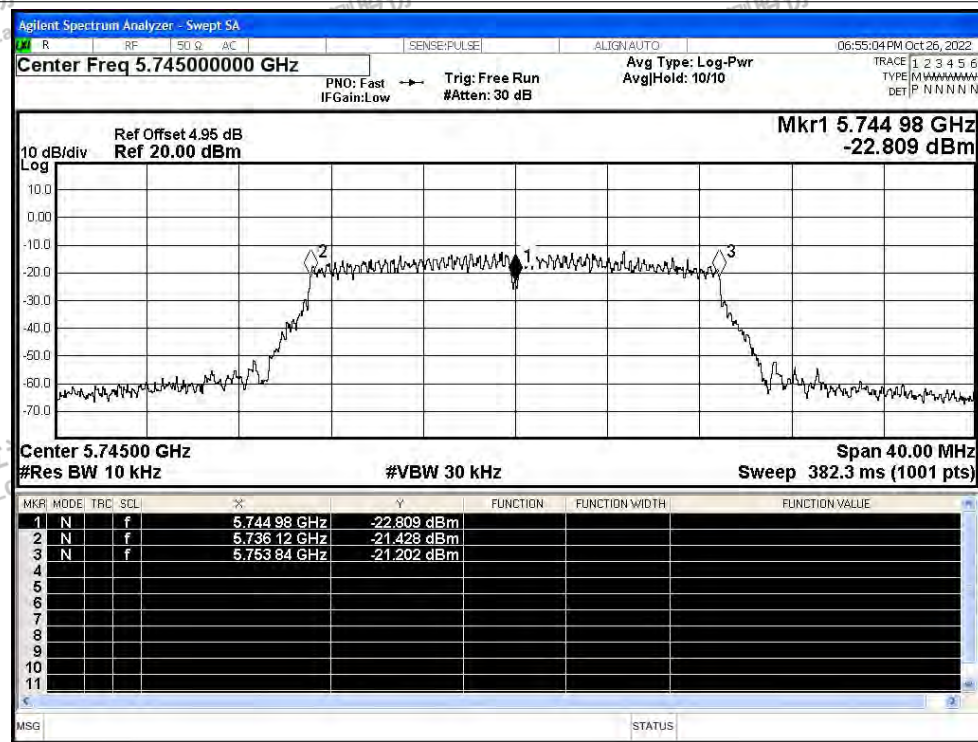




Freq. Stability NVNT a 5825MHz Ant2



Freq. Stability NVNT n20 5745MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

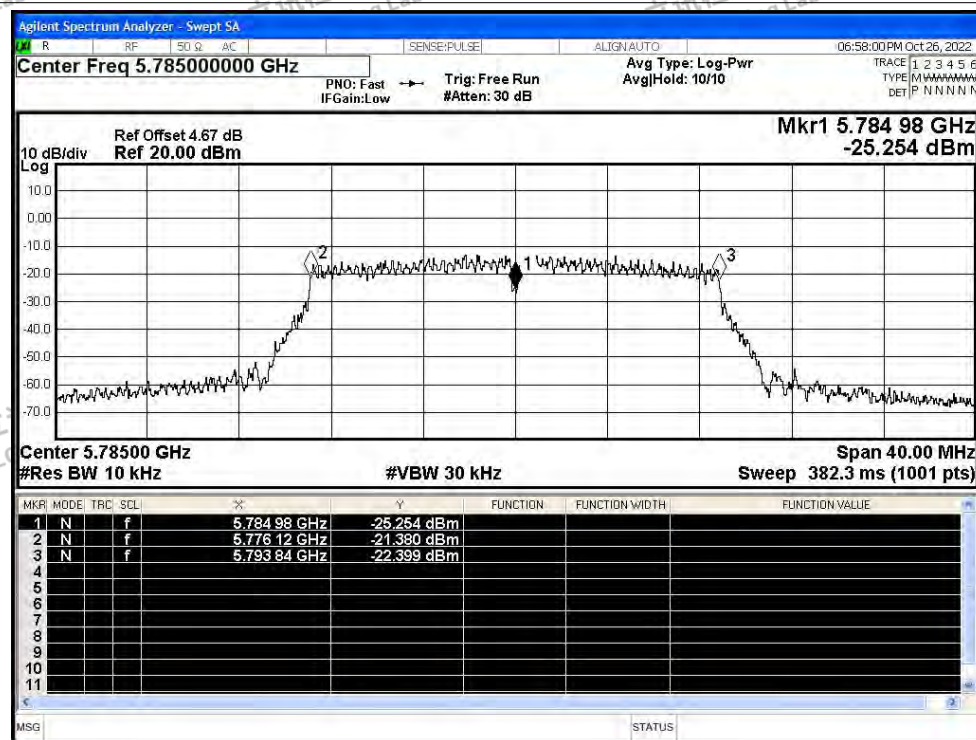
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

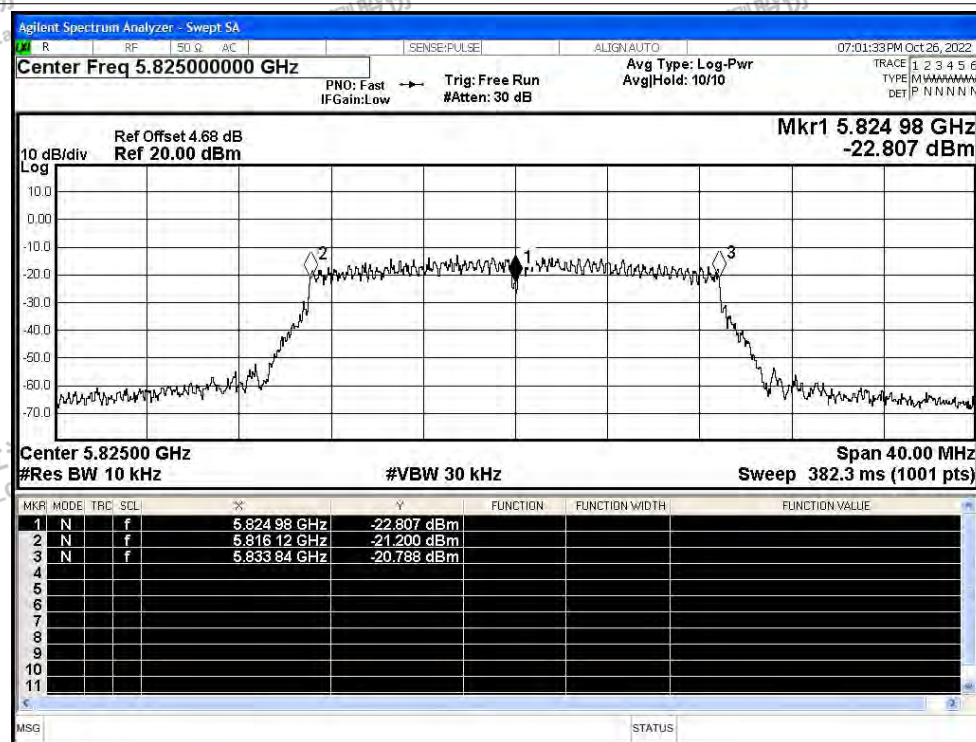
Scan code to check authenticity



Freq. Stability NVNT n20 5785MHz Ant2

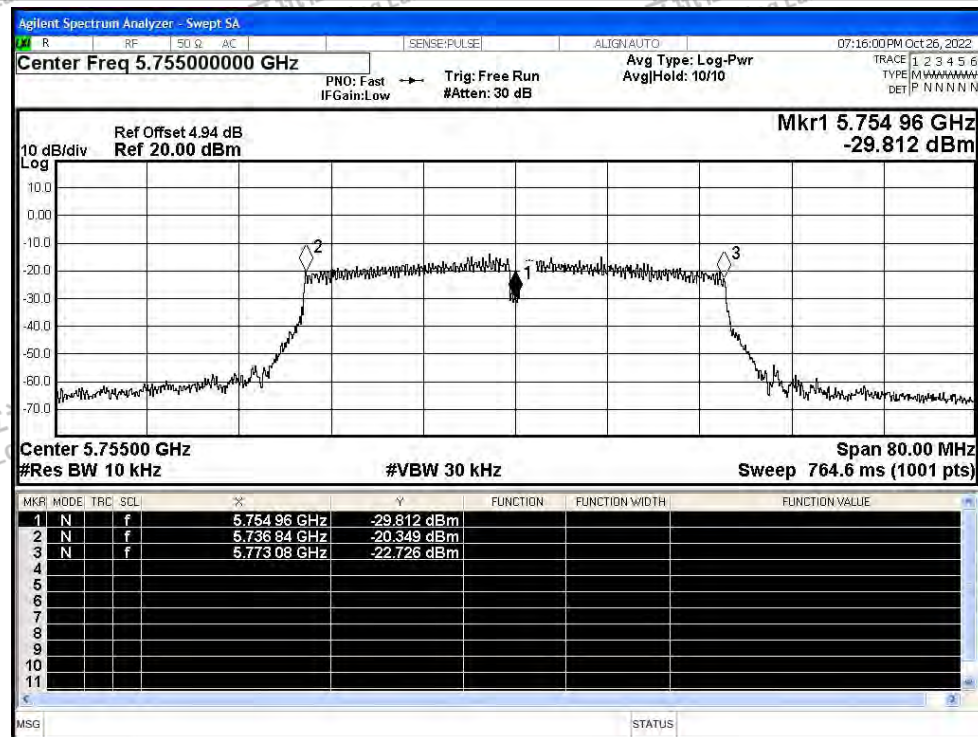


Freq. Stability NVNT n20 5825MHz Ant2

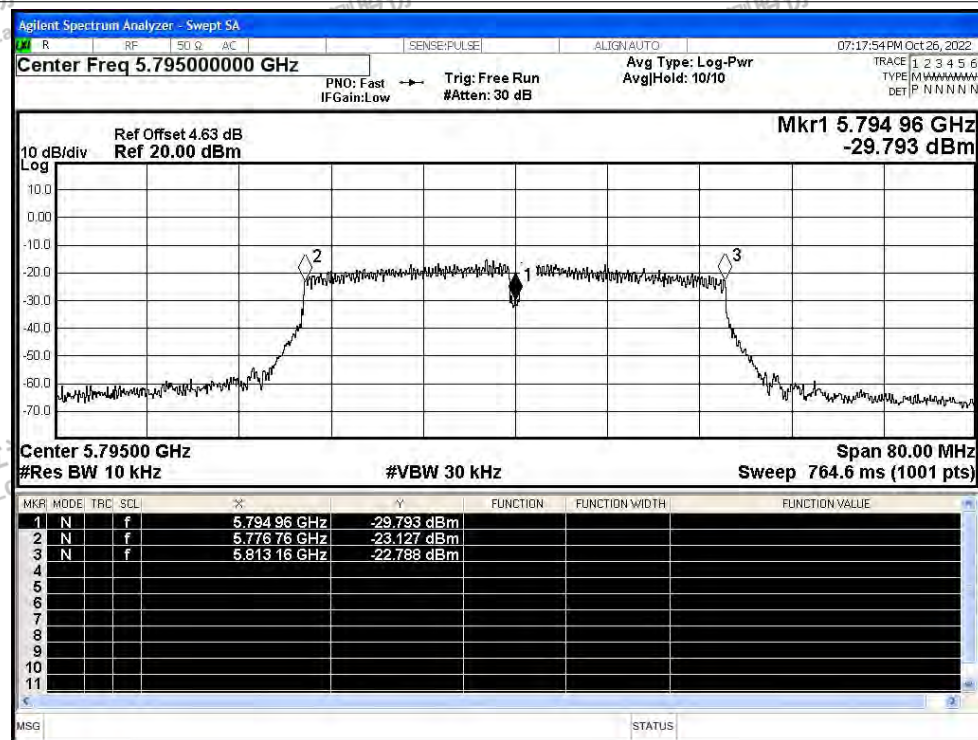




Freq. Stability NVNT n40 5755MHz Ant2

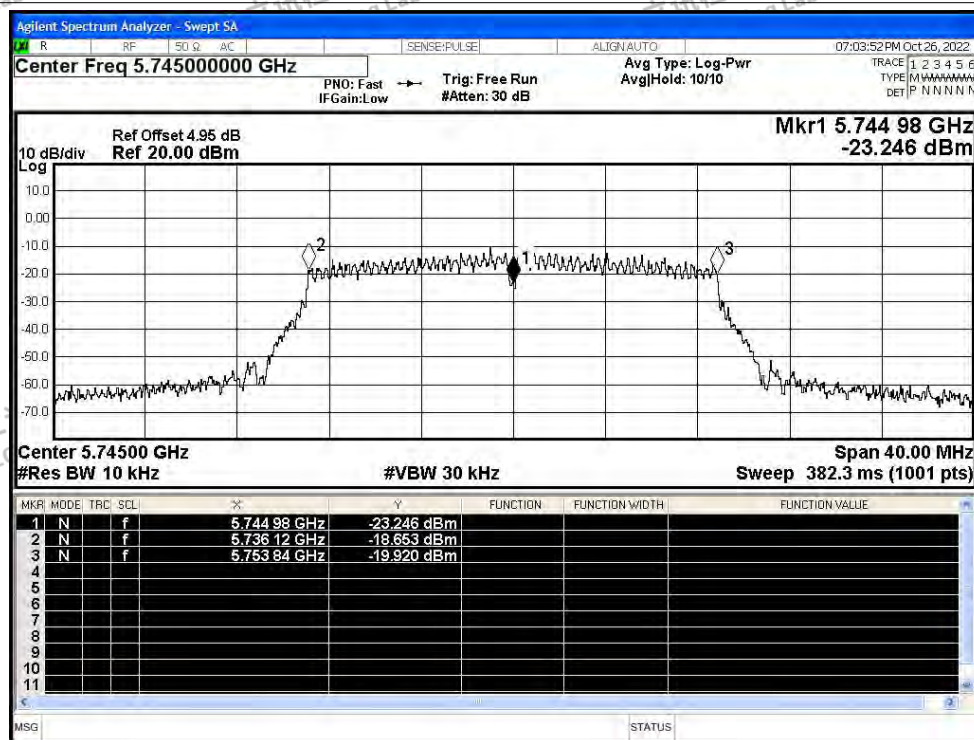


Freq. Stability NVNT n40 5795MHz Ant2

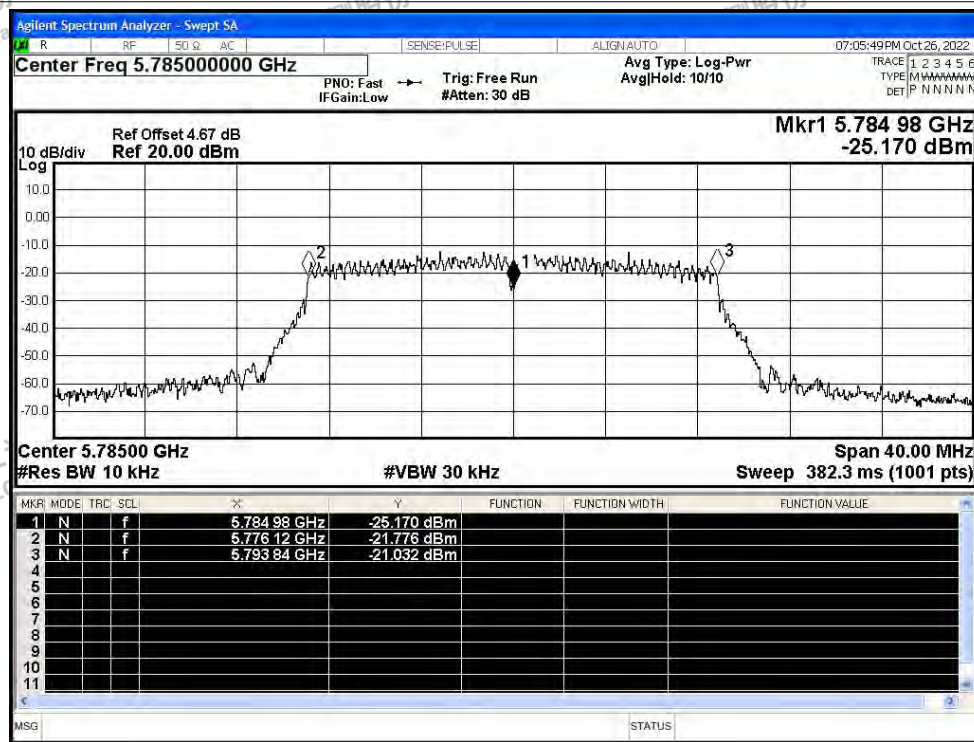




Freq. Stability NVNT ac20 5745MHz Ant2

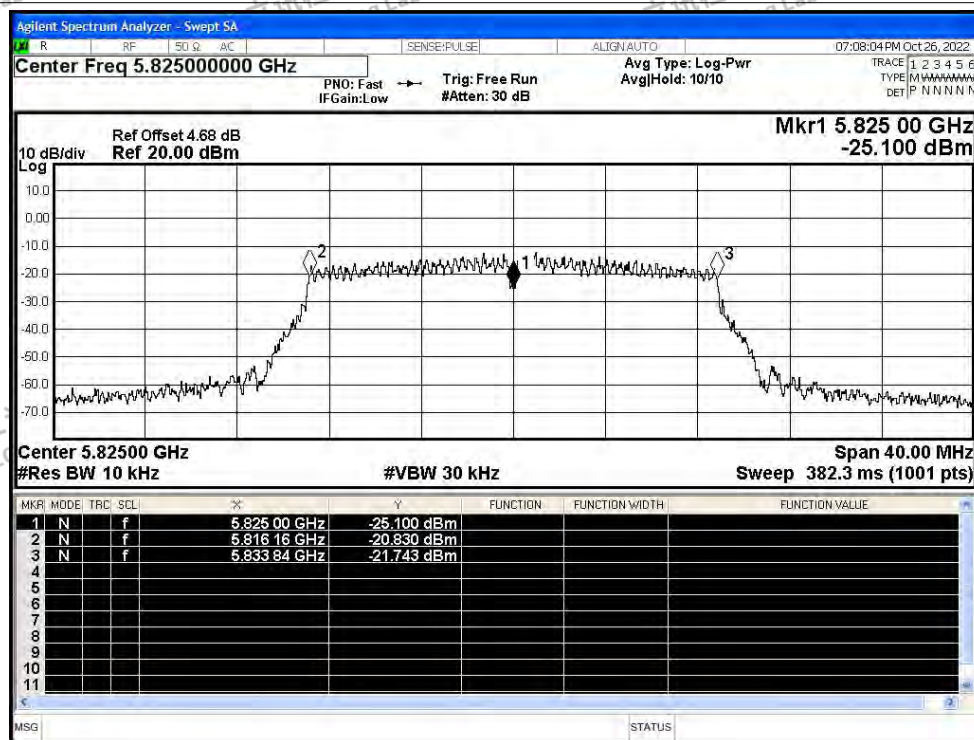


Freq. Stability NVNT ac20 5785MHz Ant2





Freq. Stability NVNT ac20 5825MHz Ant2



Freq. Stability NVNT ac40 5755MHz Ant2

