

FCC Appendix RF Test Data for 5.8GWIFI

Product Name: Smart Diagnostic System

Test Model: P807

Environmental Conditions

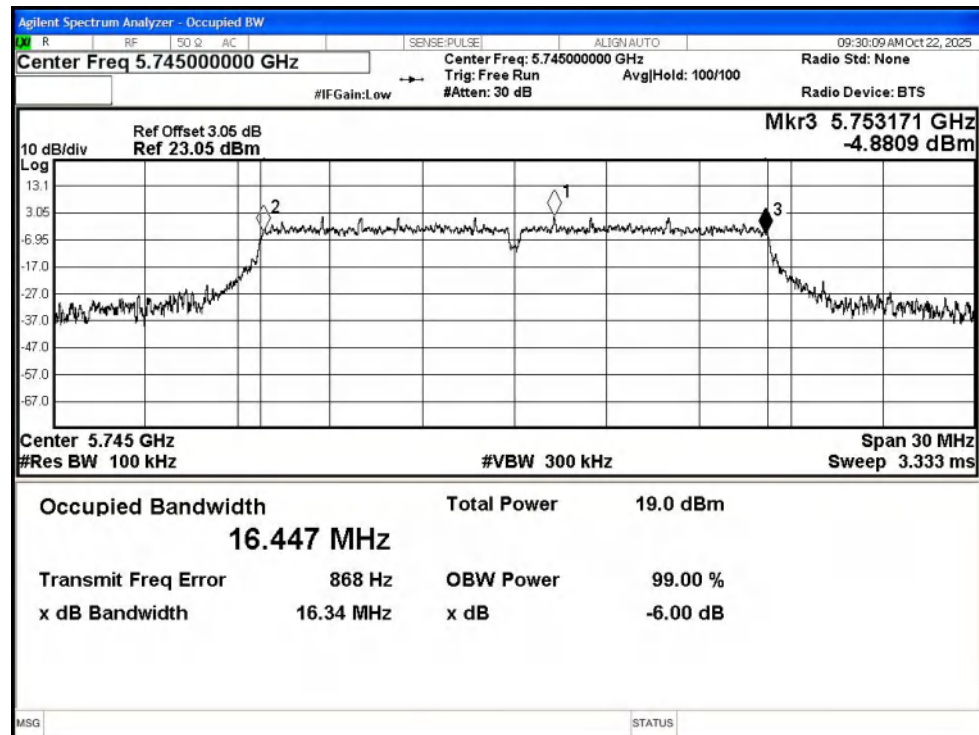
Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

1 -6dB Bandwidth

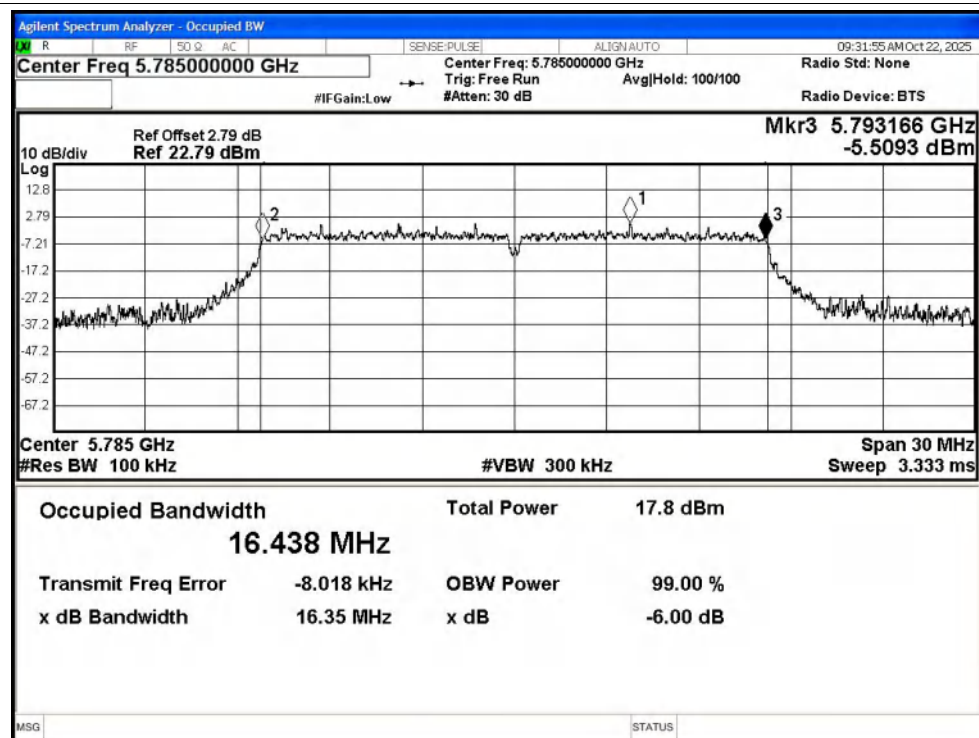
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.341	≥ 0.5	Pass
NVNT	a	5785	Ant1	16.347	≥ 0.5	Pass
NVNT	a	5825	Ant1	16.333	≥ 0.5	Pass
NVNT	n20	5745	Ant1	17.54	≥ 0.5	Pass
NVNT	n20	5785	Ant1	17.401	≥ 0.5	Pass
NVNT	n20	5825	Ant1	17.261	≥ 0.5	Pass
NVNT	n40	5755	Ant1	36.187	≥ 0.5	Pass
NVNT	n40	5795	Ant1	36.17	≥ 0.5	Pass
NVNT	ac20	5745	Ant1	17.56	≥ 0.5	Pass
NVNT	ac20	5785	Ant1	17.3	≥ 0.5	Pass
NVNT	ac20	5825	Ant1	17.541	≥ 0.5	Pass
NVNT	ac40	5755	Ant1	36.155	≥ 0.5	Pass
NVNT	ac40	5795	Ant1	35.875	≥ 0.5	Pass
NVNT	ac80	5775	Ant1	75.505	≥ 0.5	Pass

Test Graphs

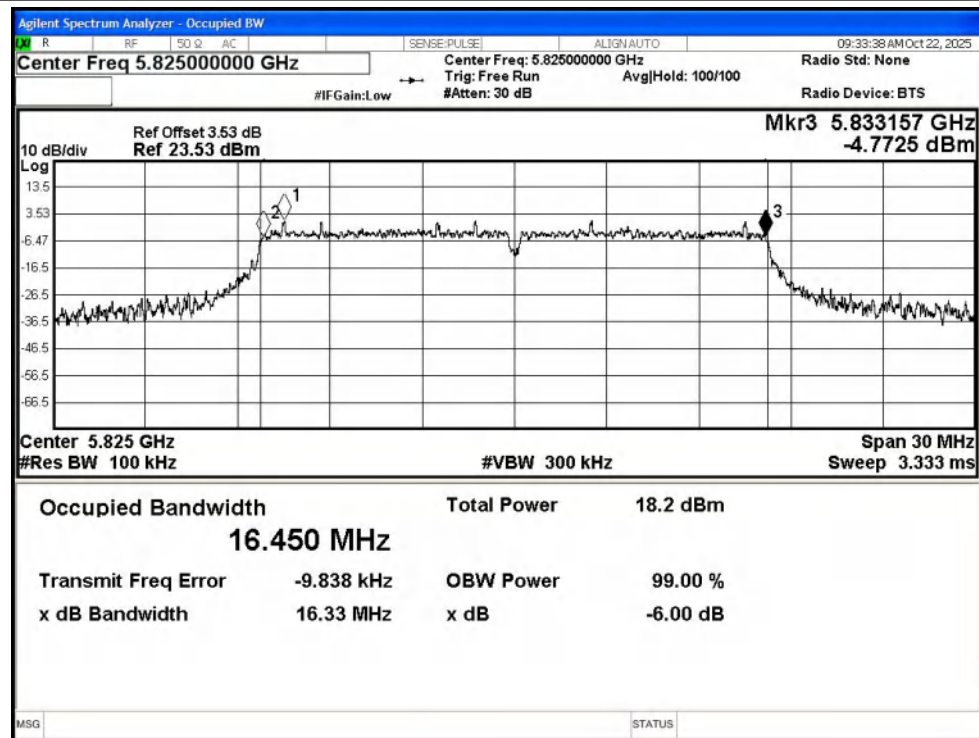
-6dB Bandwidth NVNT a 5745MHz Ant1



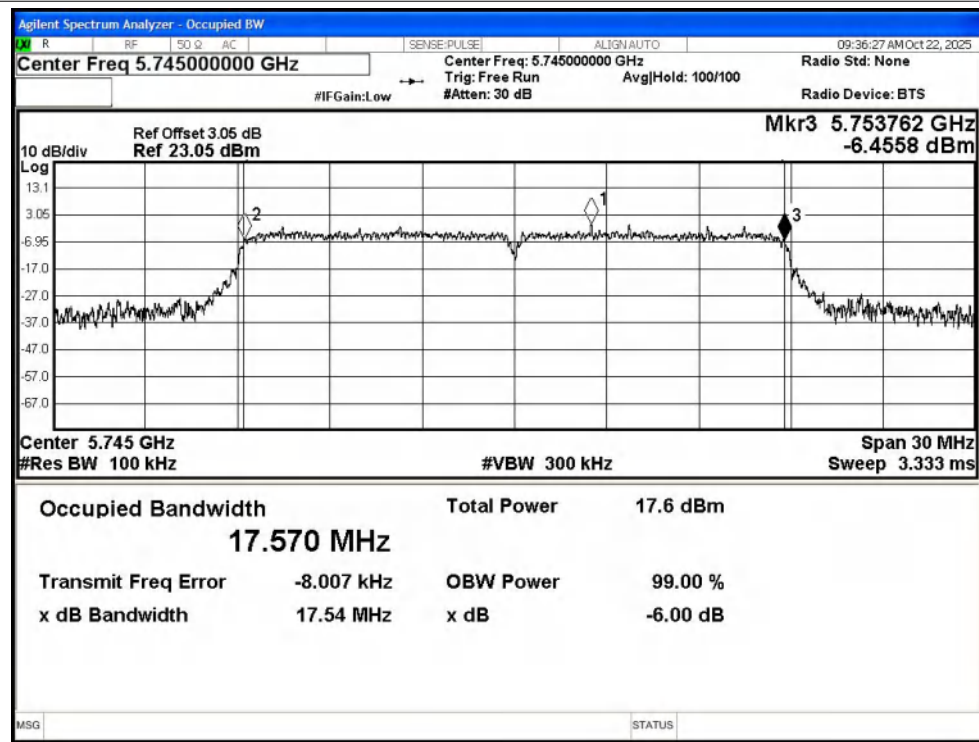
-6dB Bandwidth NVNT a 5785MHz Ant1



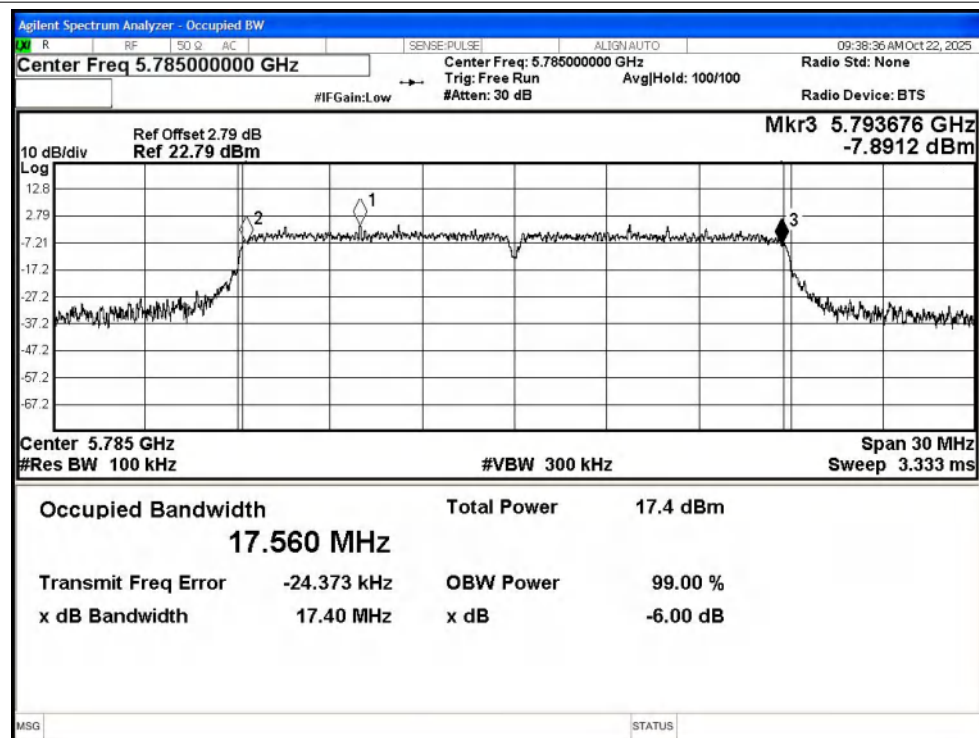
-6dB Bandwidth NVNT a 5825MHz Ant1



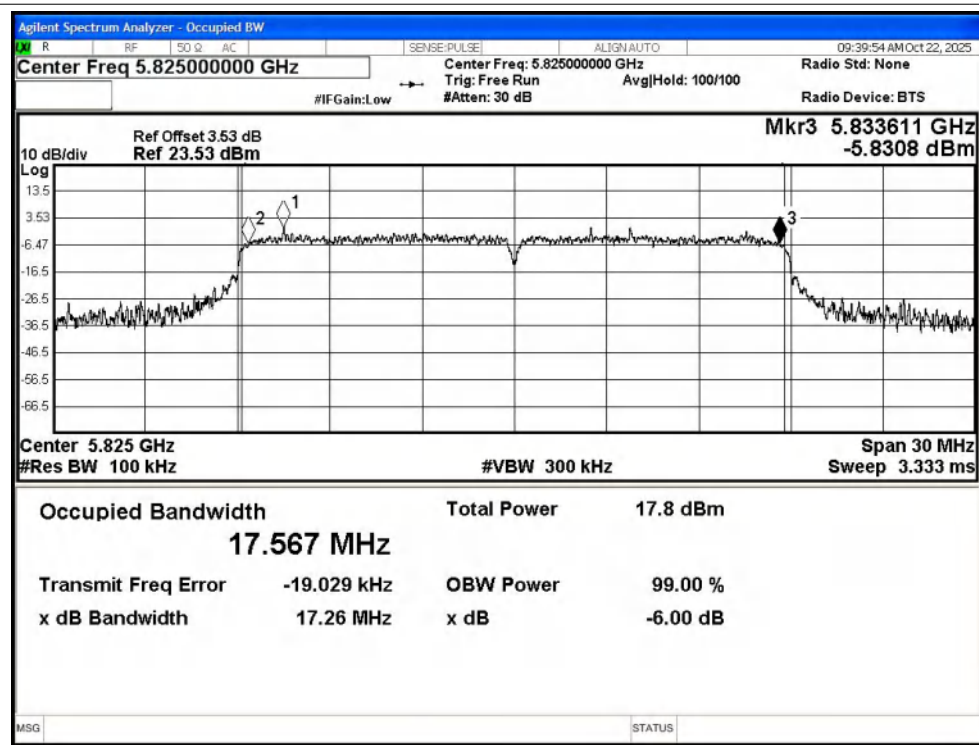
-6dB Bandwidth NVNT n20 5745MHz Ant1



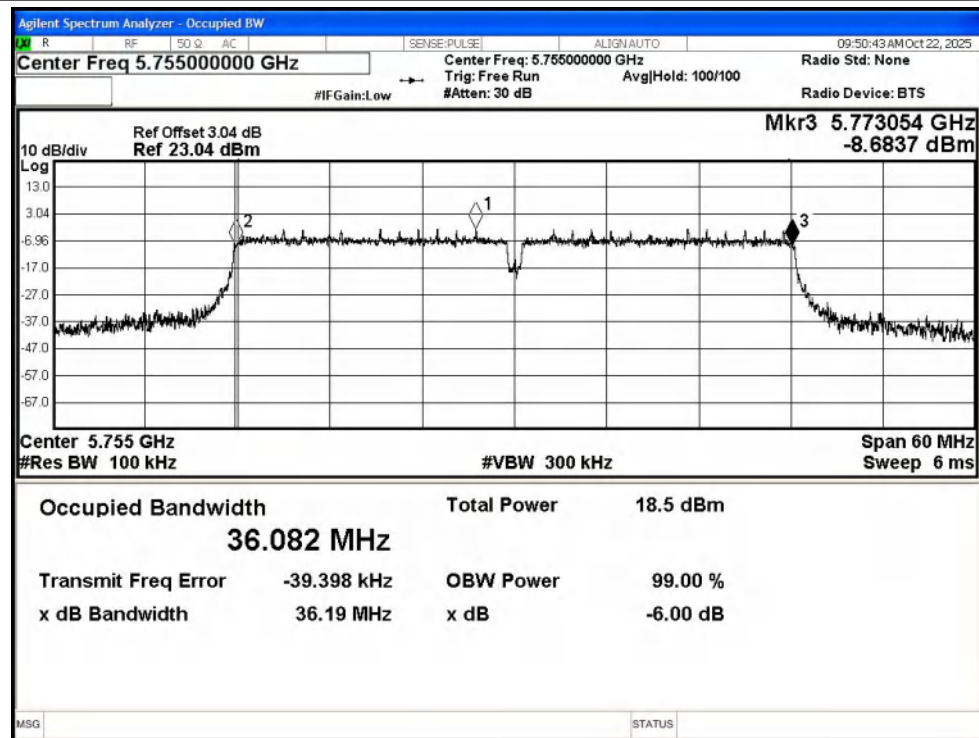
-6dB Bandwidth NVNT n20 5785MHz Ant1



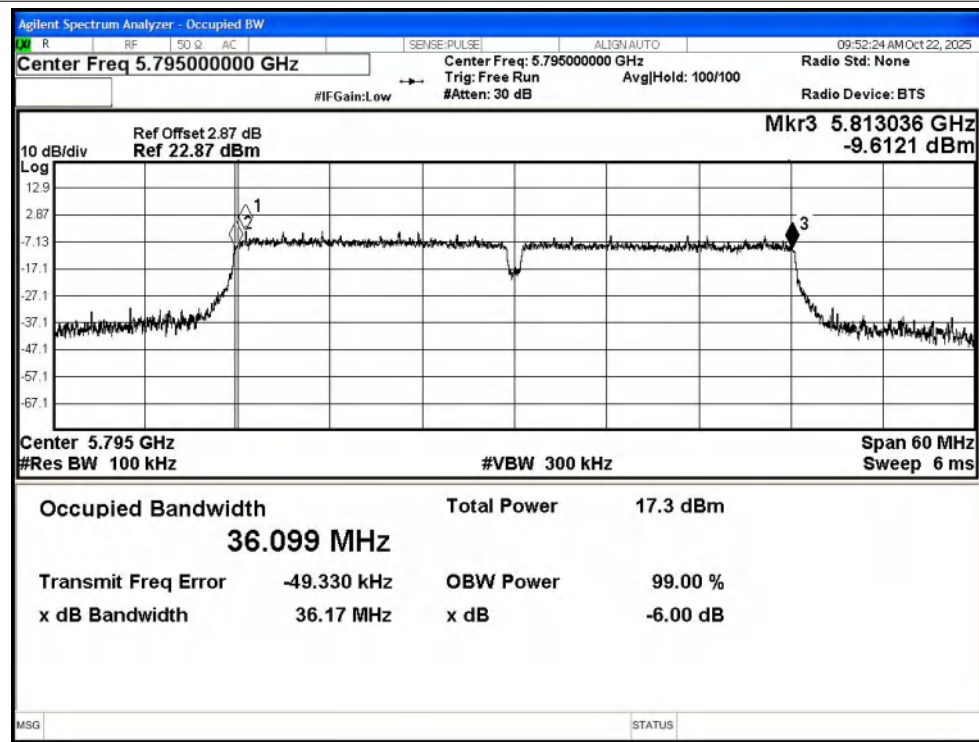
-6dB Bandwidth NVNT n20 5825MHz Ant1



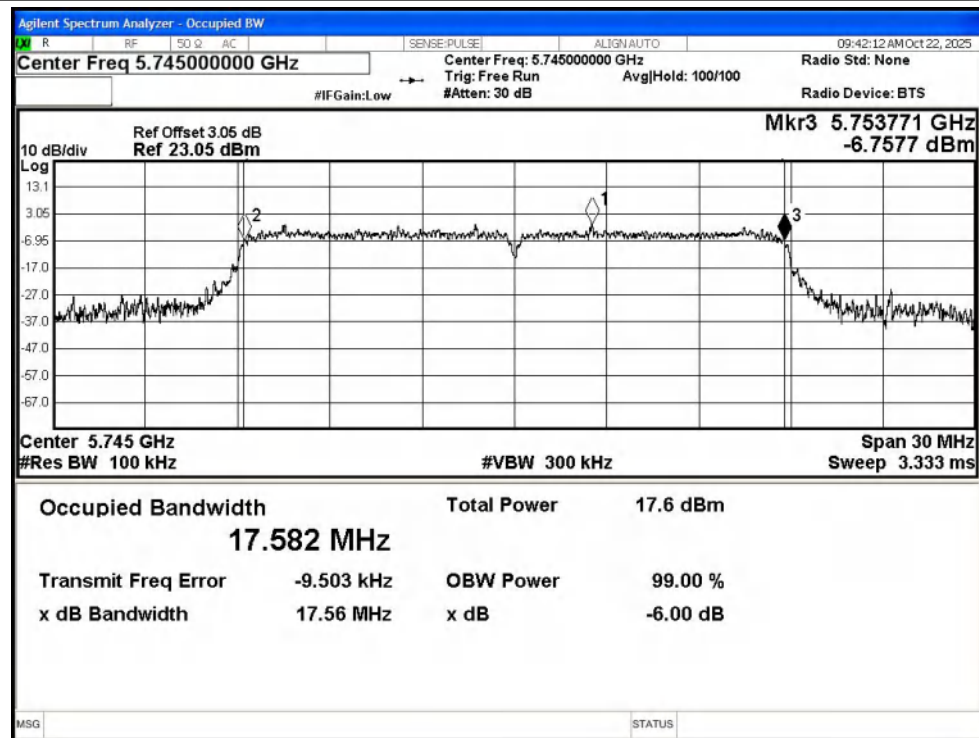
-6dB Bandwidth NVNT n40 5755MHz Ant1



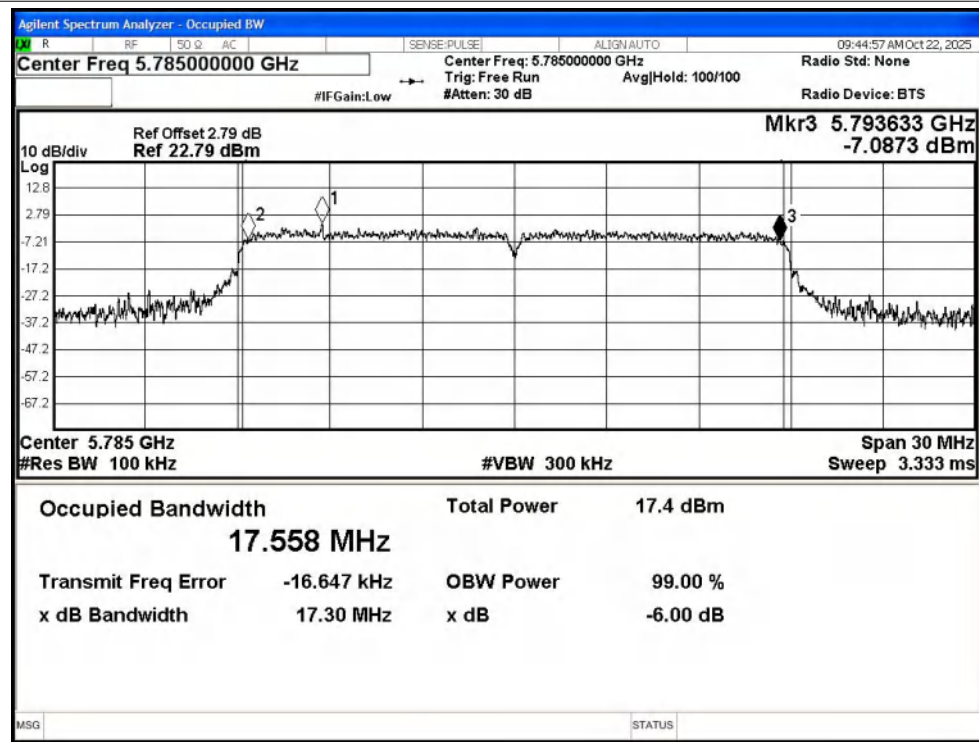
-6dB Bandwidth NVNT n40 5795MHz Ant1



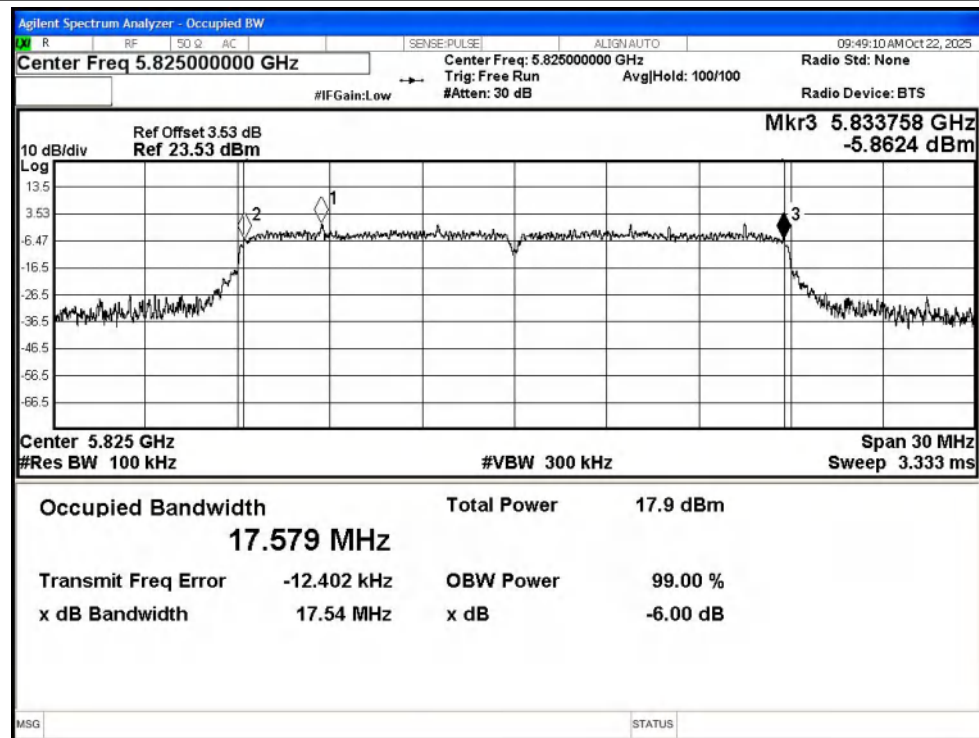
-6dB Bandwidth NVNT ac20 5745MHz Ant1



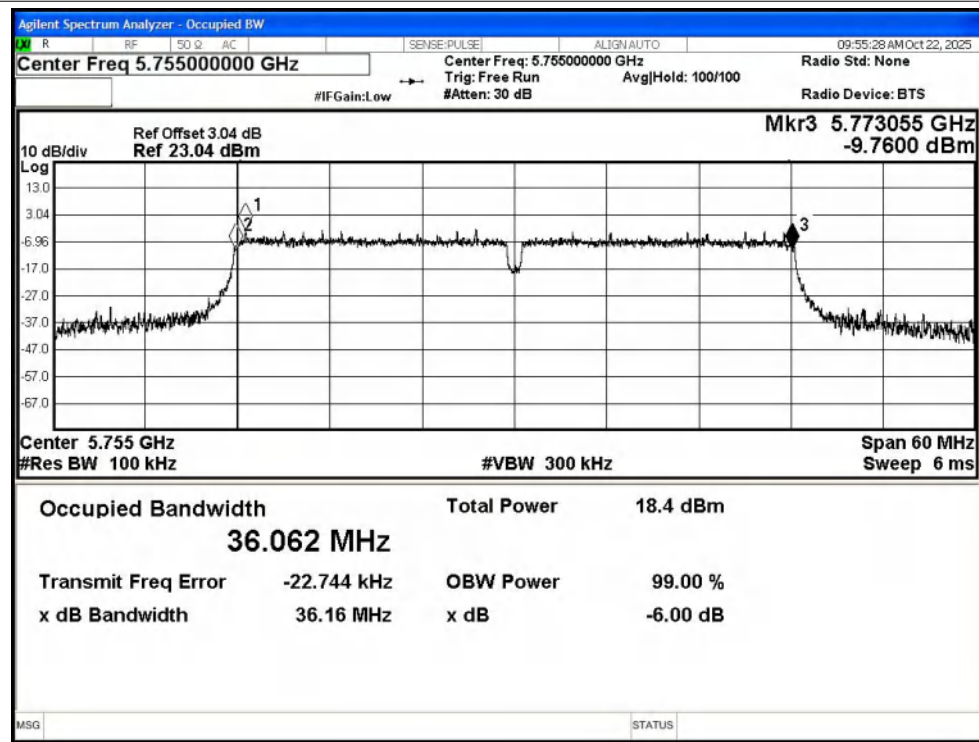
-6dB Bandwidth NVNT ac20 5785MHz Ant1



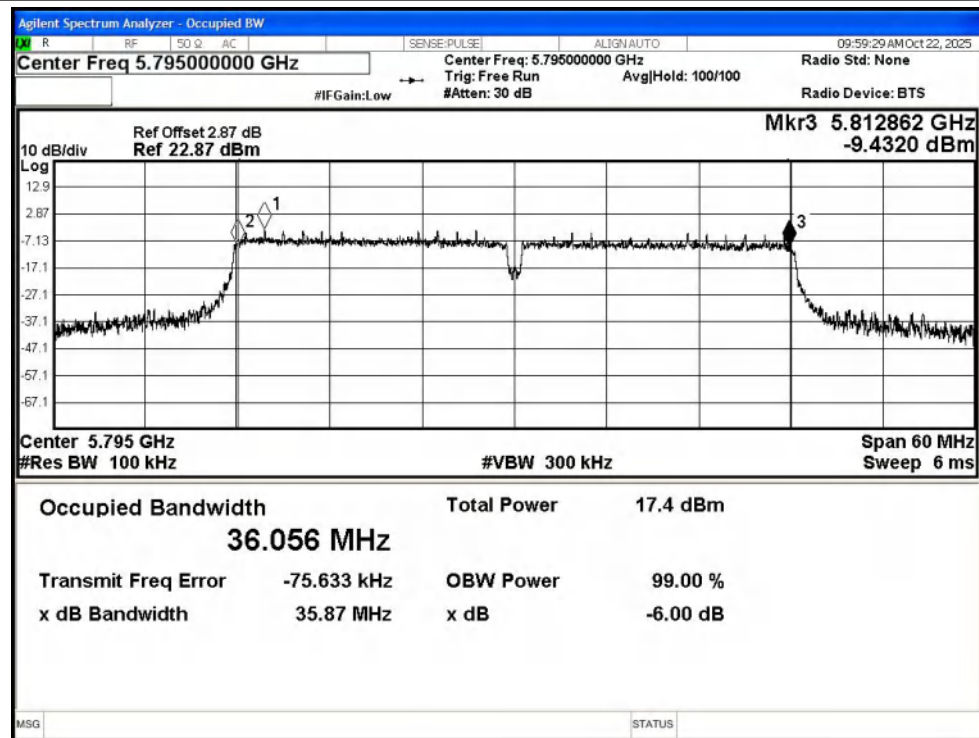
-6dB Bandwidth NVNT ac20 5825MHz Ant1



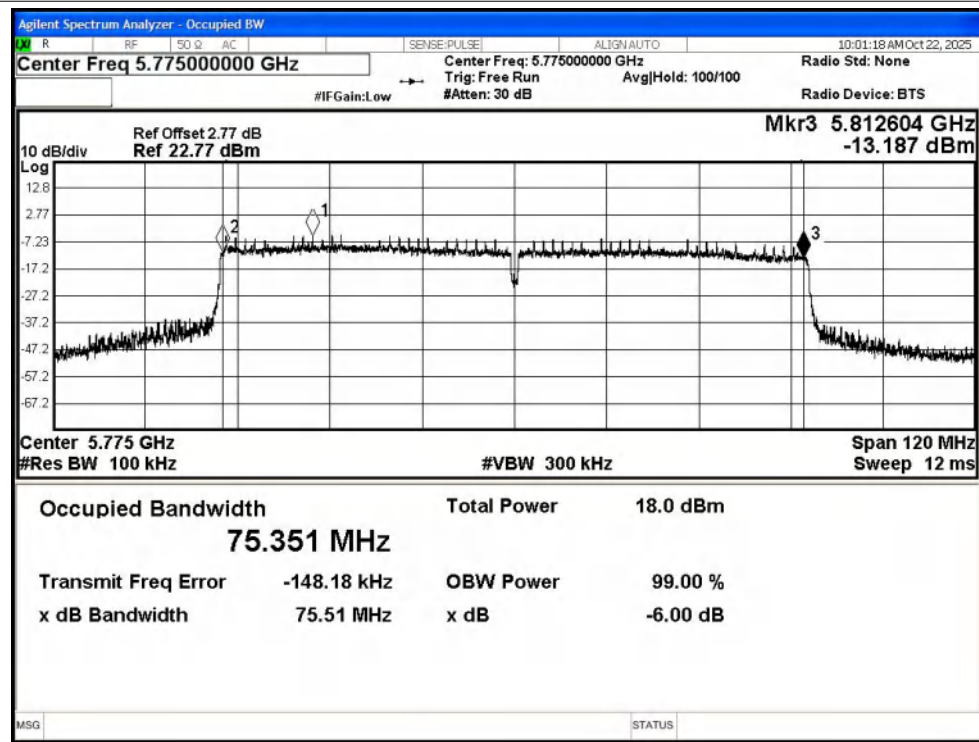
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1



2 Maximum Conducted Output Power

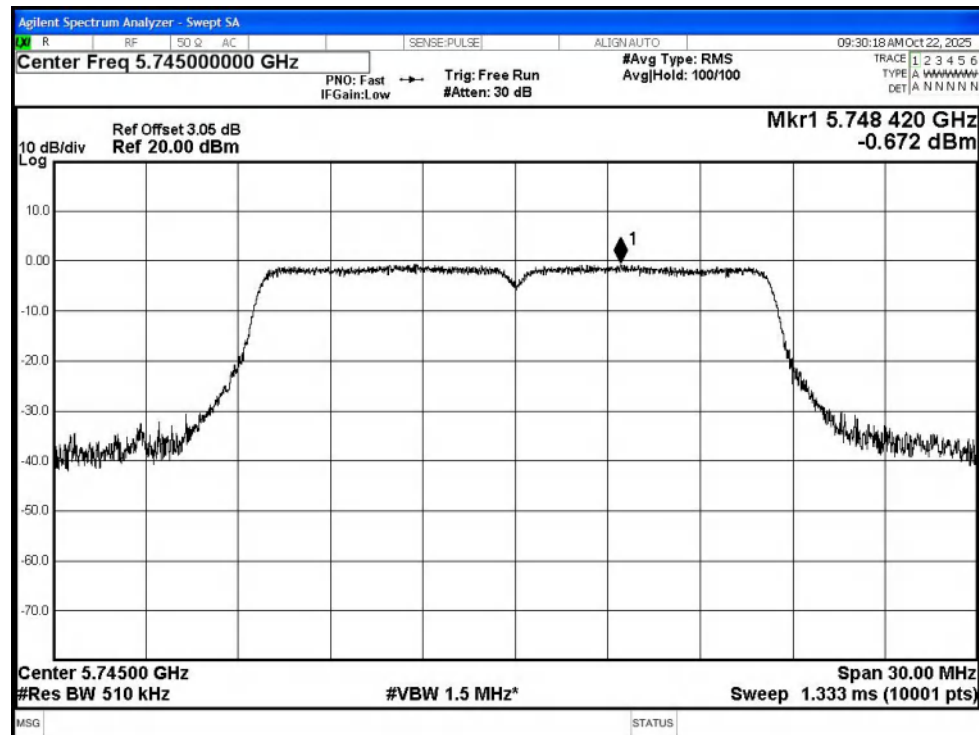
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	12.48	0.24	12.72	30	Pass
NVNT	a	5785	Ant1	11.72	0.24	11.96	30	Pass
NVNT	a	5825	Ant1	12.17	0.24	12.41	30	Pass
NVNT	n20	5745	Ant1	11.41	0.12	11.53	30	Pass
NVNT	n20	5785	Ant1	11.23	0.12	11.35	30	Pass
NVNT	n20	5825	Ant1	11.64	0.12	11.76	30	Pass
NVNT	n40	5755	Ant1	11.85	0.24	12.09	30	Pass
NVNT	n40	5795	Ant1	10.74	0.24	10.98	30	Pass
NVNT	ac20	5745	Ant1	11.39	0.12	11.51	30	Pass
NVNT	ac20	5785	Ant1	11.25	0.12	11.37	30	Pass
NVNT	ac20	5825	Ant1	11.73	0.12	11.85	30	Pass
NVNT	ac40	5755	Ant1	11.83	0.24	12.07	30	Pass
NVNT	ac40	5795	Ant1	10.76	0.24	11	30	Pass
NVNT	ac80	5775	Ant1	10.71	0.47	11.18	30	Pass

3 Maximum Power Spectral Density Level

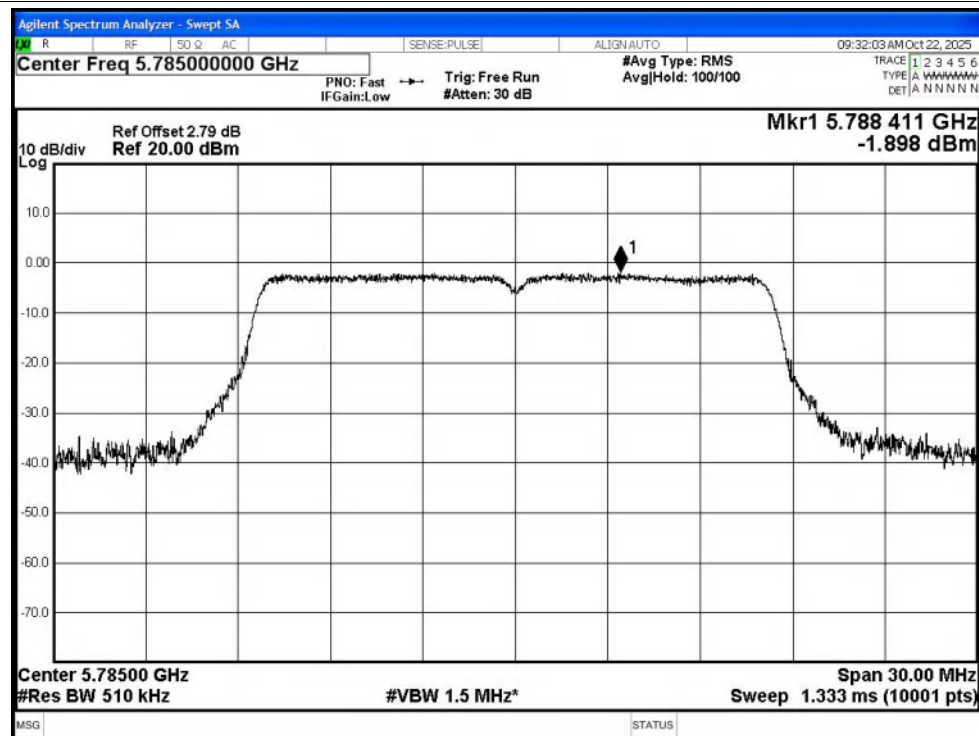
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-0.67	0.24	-0.43	30	Pass
NVNT	a	5785	Ant1	-1.9	0.24	-1.66	30	Pass
NVNT	a	5825	Ant1	-1.21	0.24	-0.97	30	Pass
NVNT	n20	5745	Ant1	-2.2	0.12	-2.08	30	Pass
NVNT	n20	5785	Ant1	-2.36	0.12	-2.24	30	Pass
NVNT	n20	5825	Ant1	-2.26	0.12	-2.14	30	Pass
NVNT	n40	5755	Ant1	-4.96	0.24	-4.72	30	Pass
NVNT	n40	5795	Ant1	-5.13	0.24	-4.89	30	Pass
NVNT	ac20	5745	Ant1	-2.44	0.12	-2.32	30	Pass
NVNT	ac20	5785	Ant1	-2.5	0.12	-2.38	30	Pass
NVNT	ac20	5825	Ant1	-2.16	0.12	-2.04	30	Pass
NVNT	ac40	5755	Ant1	-5.1	0.24	-4.86	30	Pass
NVNT	ac40	5795	Ant1	-5.37	0.24	-5.13	30	Pass
NVNT	ac80	5775	Ant1	-8.12	0.47	-7.65	30	Pass

Test Graphs

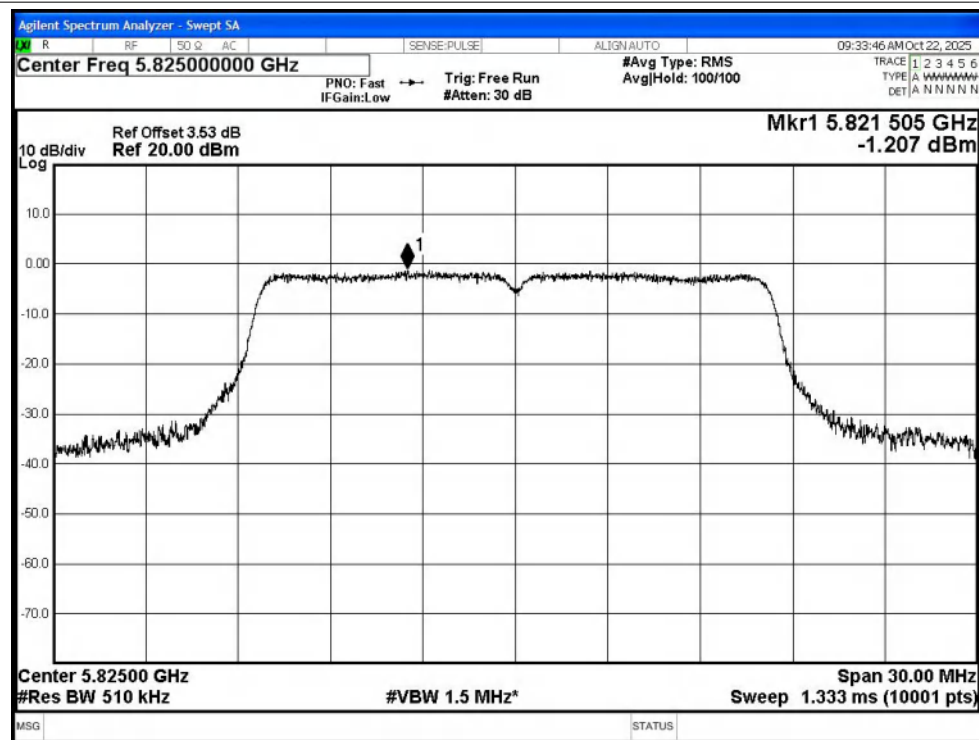
PSD NVNT a 5745MHz Ant1



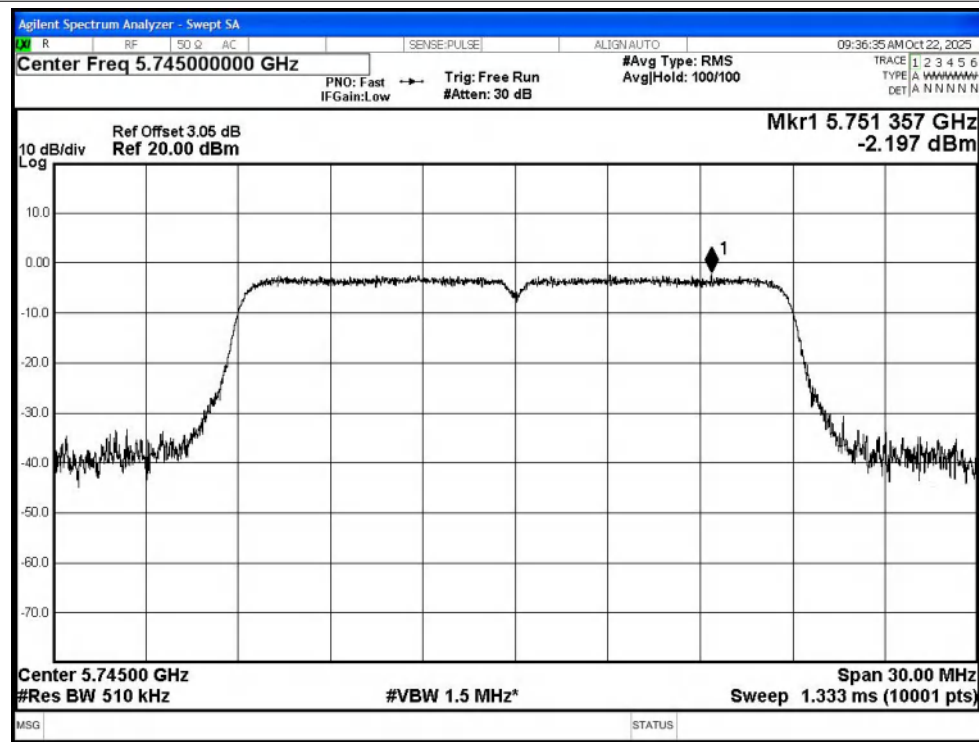
PSD NVNT a 5785MHz Ant1



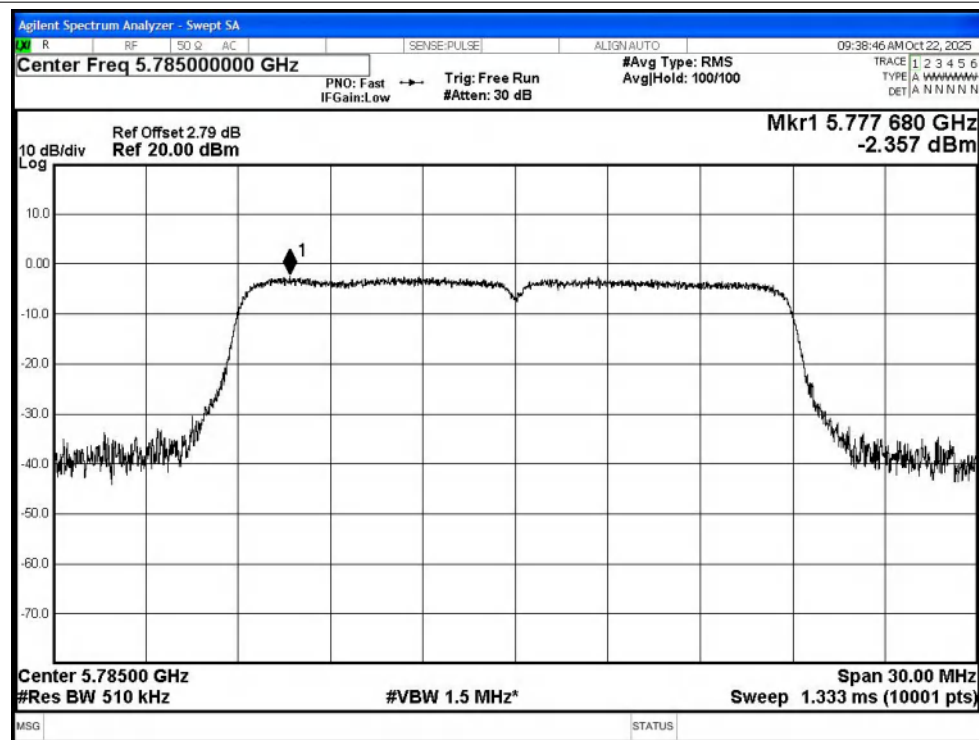
PSD NVNT a 5825MHz Ant1



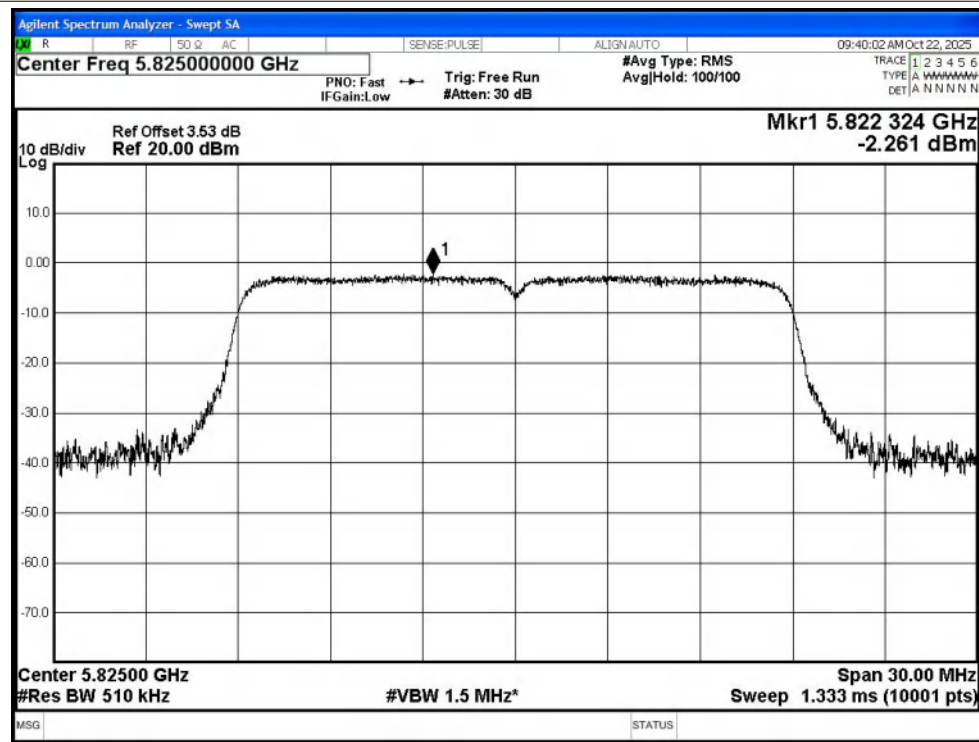
PSD NVNT n20 5745MHz Ant1



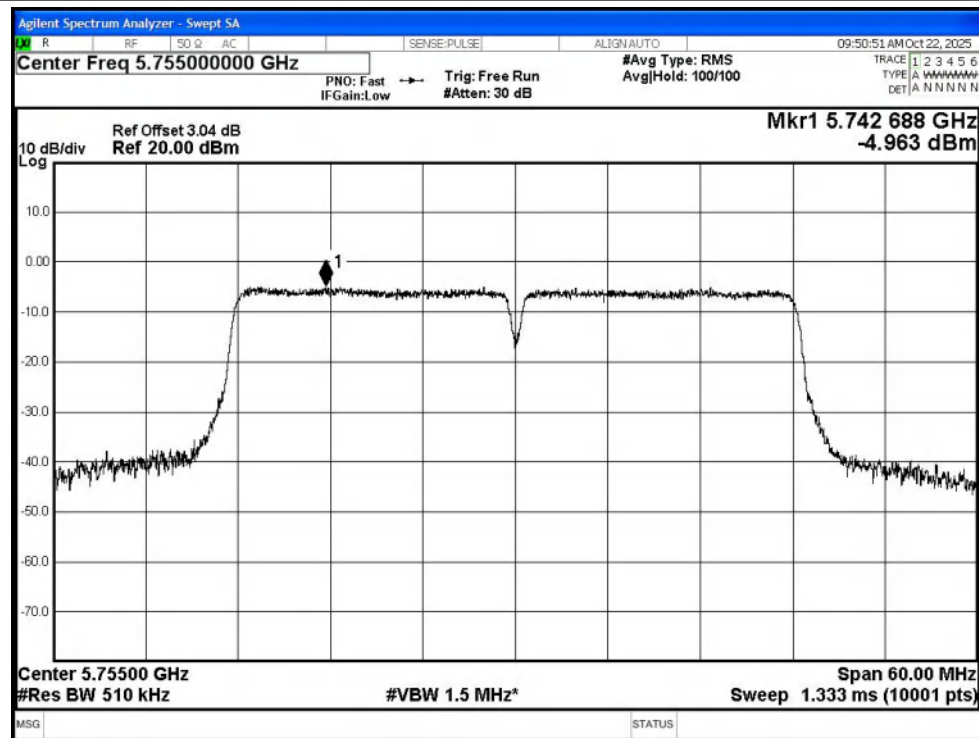
PSD NVNT n20 5785MHz Ant1



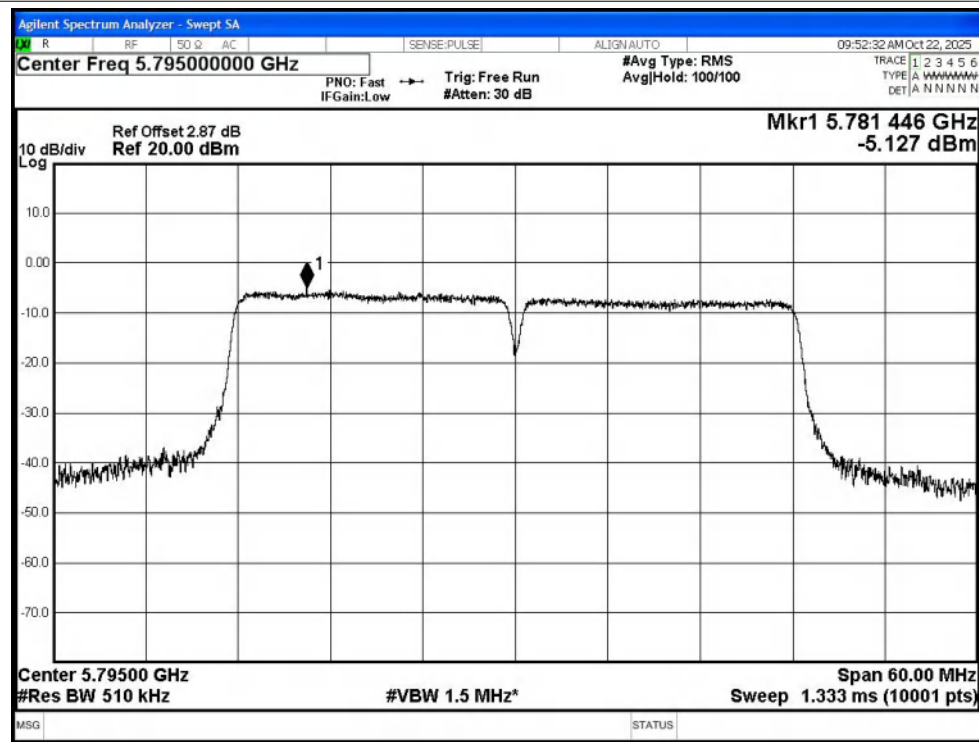
PSD NVNT n20 5825MHz Ant1



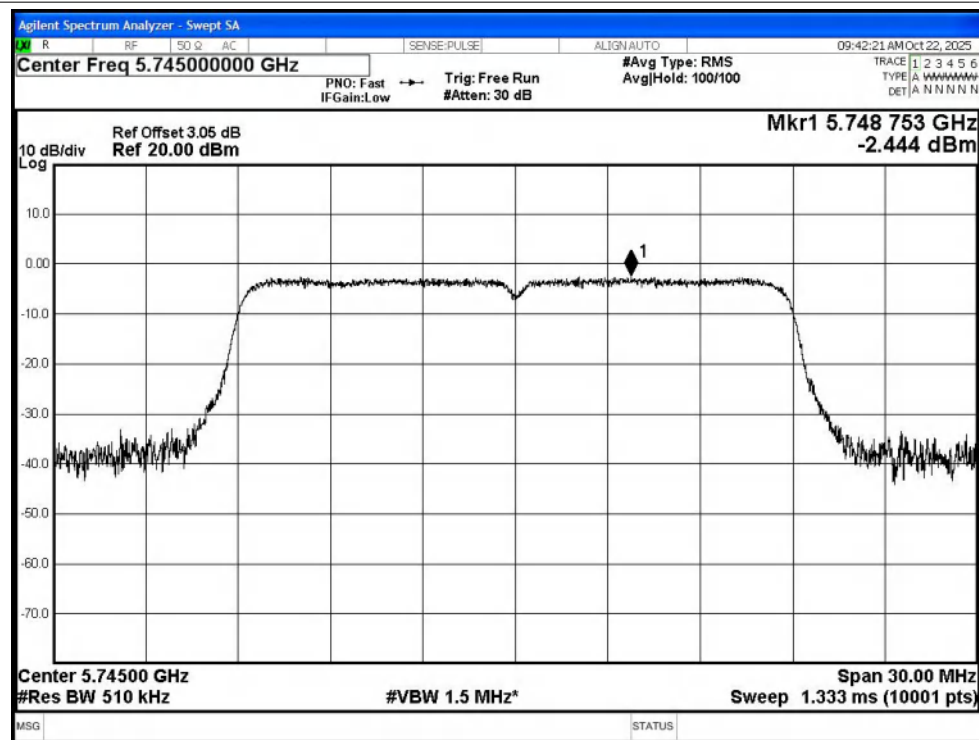
PSD NVNT n40 5755MHz Ant1



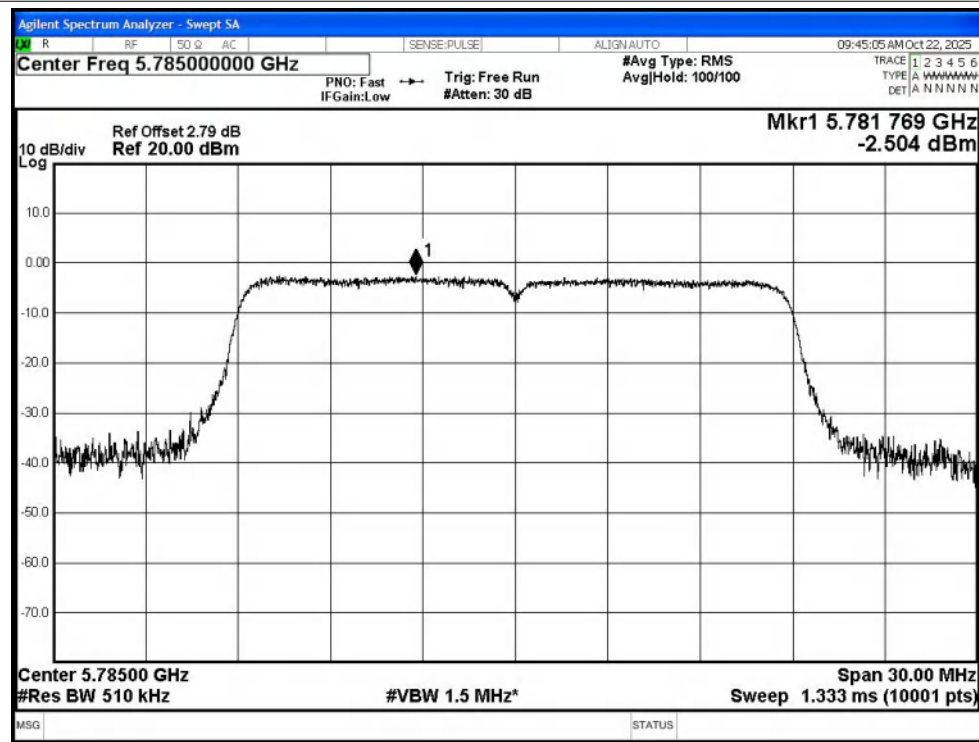
PSD NVNT n40 5795MHz Ant1



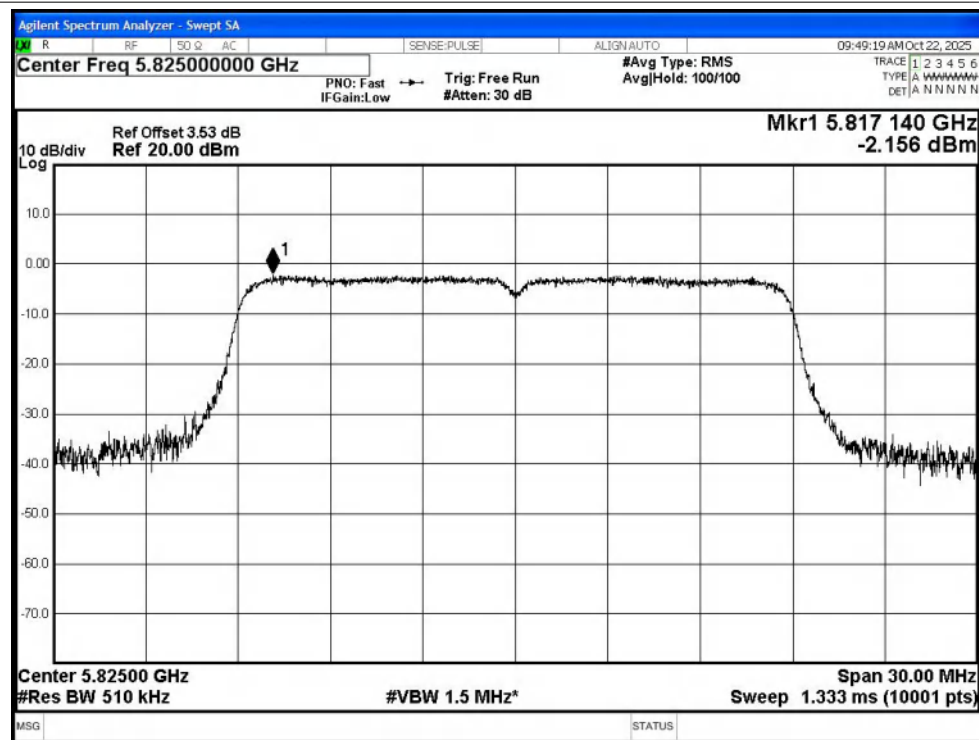
PSD NVNT ac20 5745MHz Ant1



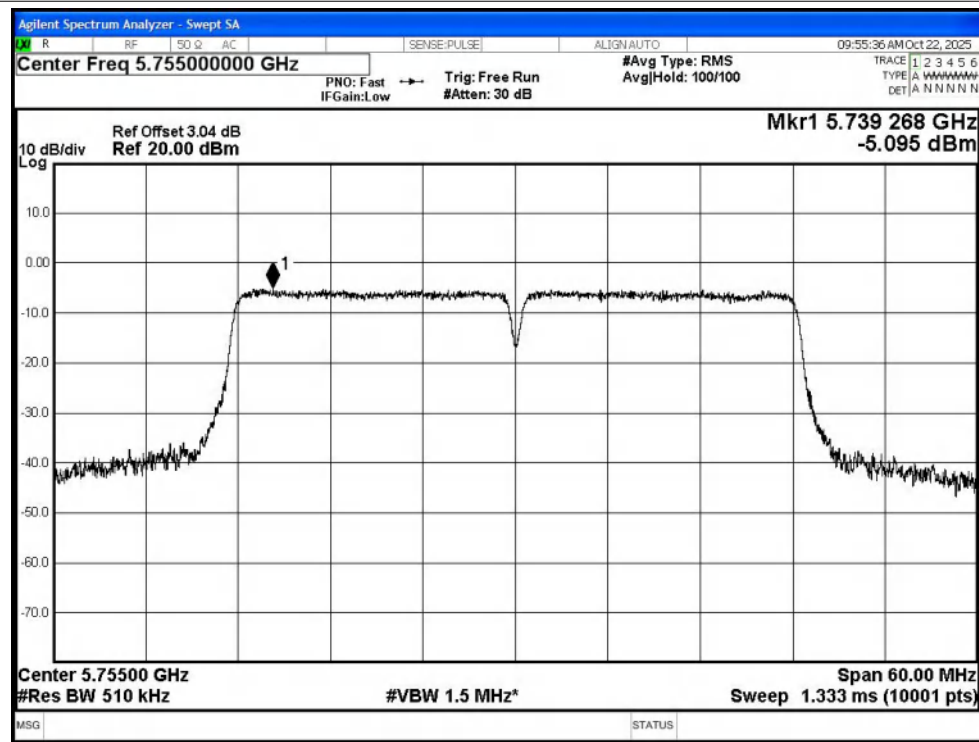
PSD NVNT ac20 5785MHz Ant1



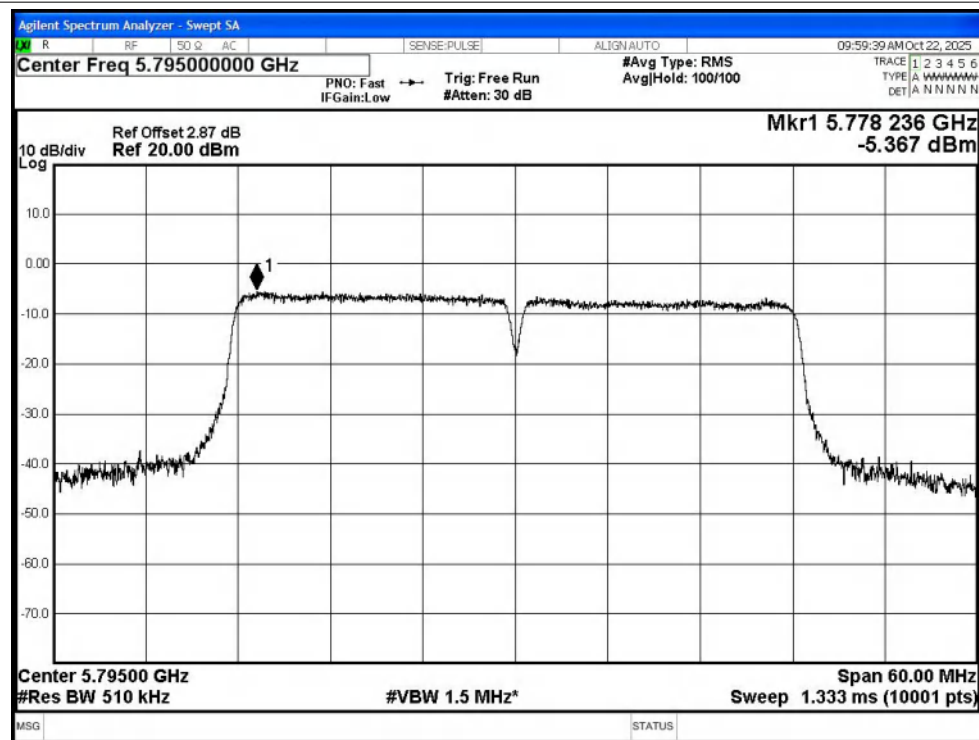
PSD NVNT ac20 5825MHz Ant1



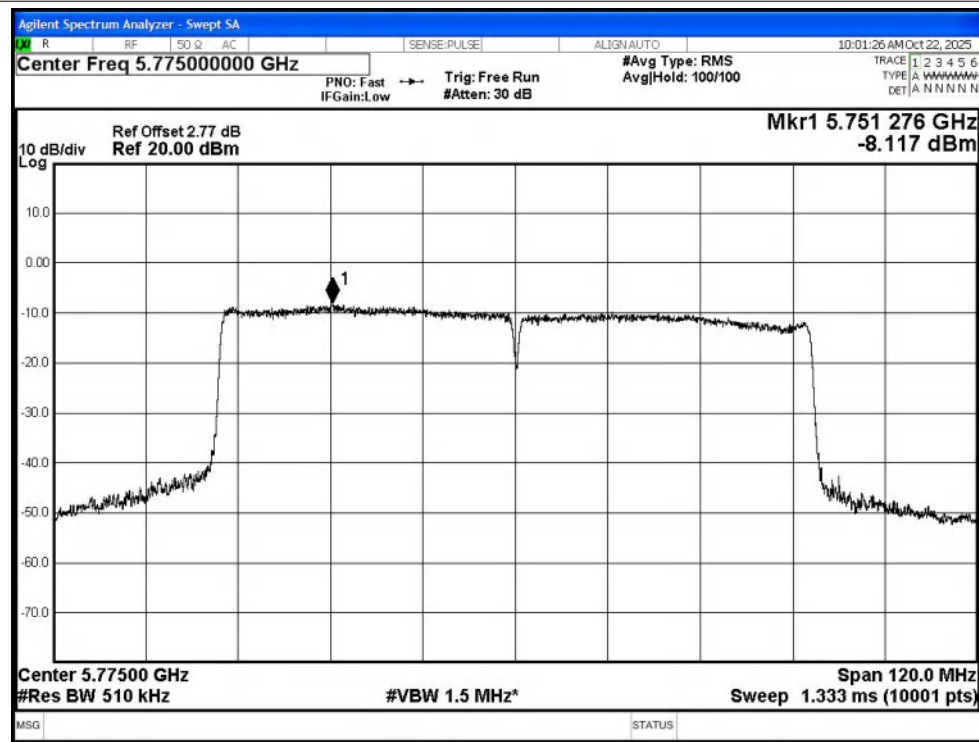
PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1



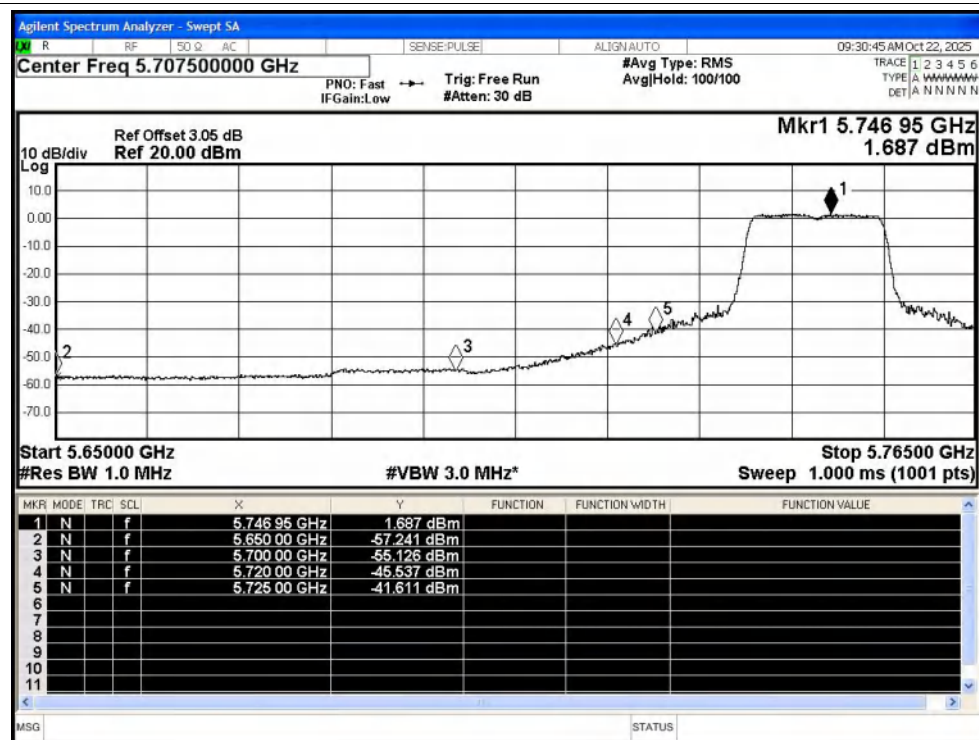
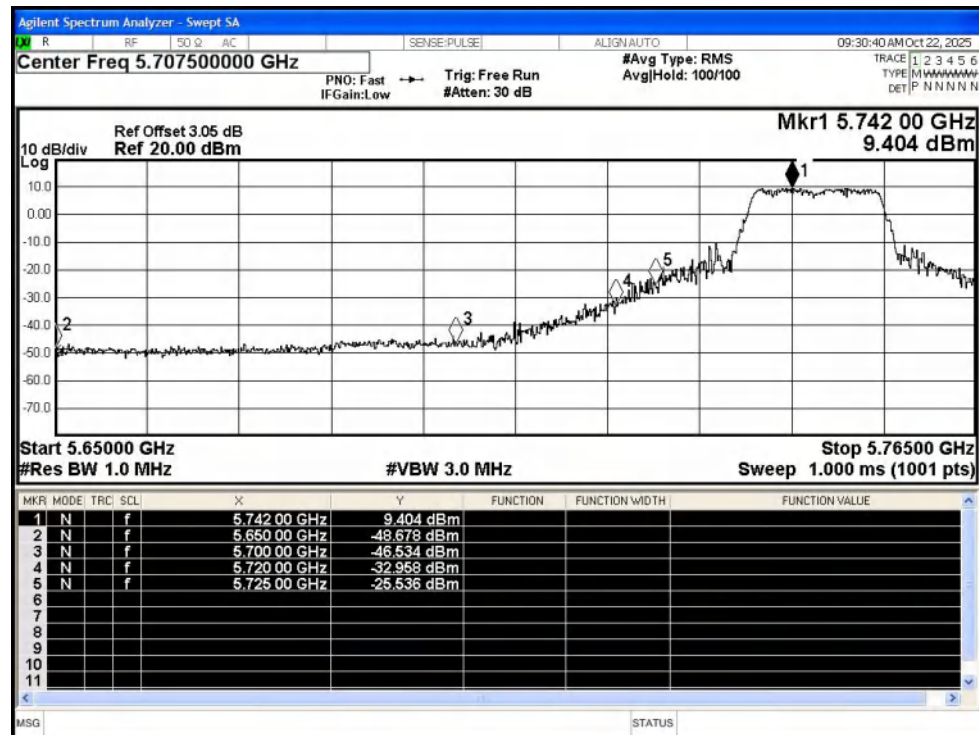
4 Restrict Band

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	Ant1	5650	-48.68	3.54	-	-45.14	Peak	-27	Pass
NVNT	a	5745	Ant1	5650	-57.24	3.54	0.24	-53.46	Average	-27	Pass
NVNT	a	5745	Ant1	5700	-46.53	3.54	-	-42.99	Peak	10	Pass
NVNT	a	5745	Ant1	5700	-55.13	3.54	0.24	-51.35	Average	10	Pass
NVNT	a	5745	Ant1	5720	-32.96	3.54	-	-29.42	Peak	15.6	Pass
NVNT	a	5745	Ant1	5720	-45.54	3.54	0.24	-41.76	Average	15.6	Pass
NVNT	a	5745	Ant1	5725	-25.54	3.54	-	-22.00	Peak	27	Pass
NVNT	a	5745	Ant1	5725	-41.61	3.54	0.24	-37.83	Average	27	Pass
NVNT	a	5825	Ant1	5850	-40.35	3.54	-	-36.81	Peak	27	Pass
NVNT	a	5825	Ant1	5850	-50.84	3.54	0.24	-47.06	Average	27	Pass
NVNT	a	5825	Ant1	5855	-39.65	3.54	-	-36.11	Peak	15.6	Pass
NVNT	a	5825	Ant1	5855	-53.68	3.54	0.24	-49.90	Average	15.6	Pass
NVNT	a	5825	Ant1	5875	-46.77	3.54	-	-43.23	Peak	10	Pass
NVNT	a	5825	Ant1	5875	-55.63	3.54	0.24	-51.85	Average	10	Pass
NVNT	a	5825	Ant1	5925	-47.63	3.54	-	-44.09	Peak	-27	Pass
NVNT	a	5825	Ant1	5925	-55.68	3.54	0.24	-51.90	Average	-27	Pass
NVNT	n20	5745	Ant1	5650	-50.57	3.54	-	-47.03	Peak	-27	Pass
NVNT	n20	5745	Ant1	5650	-56.96	3.54	0.12	-53.30	Average	-27	Pass
NVNT	n20	5745	Ant1	5700	-45.91	3.54	-	-42.37	Peak	10	Pass
NVNT	n20	5745	Ant1	5700	-55.1	3.54	0.12	-51.44	Average	10	Pass
NVNT	n20	5745	Ant1	5720	-32.15	3.54	-	-28.61	Peak	15.6	Pass
NVNT	n20	5745	Ant1	5720	-43.57	3.54	0.12	-39.91	Average	15.6	Pass
NVNT	n20	5745	Ant1	5725	-27.29	3.54	-	-23.75	Peak	27	Pass
NVNT	n20	5745	Ant1	5725	-41.6	3.54	0.12	-37.94	Average	27	Pass
NVNT	n20	5825	Ant1	5850	-32.46	3.54	-	-28.92	Peak	27	Pass
NVNT	n20	5825	Ant1	5850	-44.6	3.54	0.12	-40.94	Average	27	Pass
NVNT	n20	5825	Ant1	5855	-36.15	3.54	-	-32.61	Peak	15.6	Pass
NVNT	n20	5825	Ant1	5855	-49.56	3.54	0.12	-45.90	Average	15.6	Pass
NVNT	n20	5825	Ant1	5875	-47.55	3.54	-	-44.01	Peak	10	Pass
NVNT	n20	5825	Ant1	5875	-54.87	3.54	0.12	-51.21	Average	10	Pass
NVNT	n20	5825	Ant1	5925	-47.04	3.54	-	-43.50	Peak	-27	Pass
NVNT	n20	5825	Ant1	5925	-56.22	3.54	0.12	-52.56	Average	-27	Pass
NVNT	n40	5755	Ant1	5650	-49.31	3.54	-	-45.77	Peak	-27	Pass
NVNT	n40	5755	Ant1	5650	-57.05	3.54	0.24	-53.27	Average	-27	Pass
NVNT	n40	5755	Ant1	5700	-40.85	3.54	-	-37.31	Peak	10	Pass
NVNT	n40	5755	Ant1	5700	-52.81	3.54	0.24	-49.03	Average	10	Pass
NVNT	n40	5755	Ant1	5720	-31.41	3.54	-	-27.87	Peak	15.6	Pass
NVNT	n40	5755	Ant1	5720	-44.01	3.54	0.24	-40.23	Average	15.6	Pass

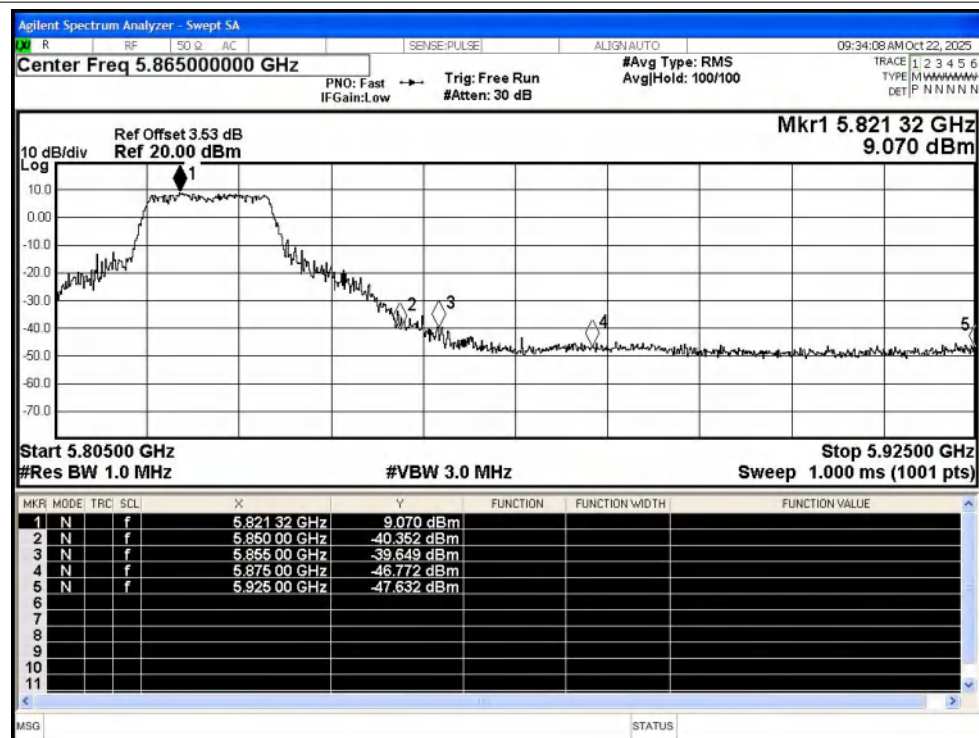
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NVNT	n40	5755	Ant1	5725	-39.85	3.54	0.24	-36.07	Average	27	Pass
NVNT	n40	5795	Ant1	5850	-47.84	3.54	-	-44.30	Peak	27	Pass
NVNT	n40	5795	Ant1	5850	-55.24	3.54	0.24	-51.46	Average	27	Pass
NVNT	n40	5795	Ant1	5855	-46.65	3.54	-	-43.11	Peak	15.6	Pass
NVNT	n40	5795	Ant1	5855	-55.77	3.54	0.24	-51.99	Average	15.6	Pass
NVNT	n40	5795	Ant1	5875	-50.14	3.54	-	-46.60	Peak	10	Pass
NVNT	n40	5795	Ant1	5875	-57.74	3.54	0.24	-53.96	Average	10	Pass
NVNT	n40	5795	Ant1	5925	-49.33	3.54	-	-45.79	Peak	-27	Pass
NVNT	n40	5795	Ant1	5925	-57.1	3.54	0.24	-53.32	Average	-27	Pass
NVNT	ac20	5745	Ant1	5650	-48.62	3.54	-	-45.08	Peak	-27	Pass
NVNT	ac20	5745	Ant1	5650	-57.52	3.54	0.12	-53.86	Average	-27	Pass
NVNT	ac20	5745	Ant1	5700	-47.7	3.54	-	-44.16	Peak	10	Pass
NVNT	ac20	5745	Ant1	5700	-54.92	3.54	0.12	-51.26	Average	10	Pass
NVNT	ac20	5745	Ant1	5720	-32.57	3.54	-	-29.03	Peak	15.6	Pass
NVNT	ac20	5745	Ant1	5720	-45.26	3.54	0.12	-41.60	Average	15.6	Pass
NVNT	ac20	5745	Ant1	5725	-24.07	3.54	-	-20.53	Peak	27	Pass
NVNT	ac20	5745	Ant1	5725	-39.36	3.54	0.12	-35.70	Average	27	Pass
NVNT	ac20	5825	Ant1	5850	-29.69	3.54	-	-26.15	Peak	27	Pass
NVNT	ac20	5825	Ant1	5850	-46.5	3.54	0.12	-42.84	Average	27	Pass
NVNT	ac20	5825	Ant1	5855	-37.01	3.54	-	-33.47	Peak	15.6	Pass
NVNT	ac20	5825	Ant1	5855	-48.71	3.54	0.12	-45.05	Average	15.6	Pass
NVNT	ac20	5825	Ant1	5875	-47.05	3.54	-	-43.51	Peak	10	Pass
NVNT	ac20	5825	Ant1	5875	-55.56	3.54	0.12	-51.90	Average	10	Pass
NVNT	ac20	5825	Ant1	5925	-47.89	3.54	-	-44.35	Peak	-27	Pass
NVNT	ac20	5825	Ant1	5925	-56.36	3.54	0.12	-52.70	Average	-27	Pass
NVNT	ac40	5755	Ant1	5650	-48.52	3.54	-	-44.98	Peak	-27	Pass
NVNT	ac40	5755	Ant1	5650	-56.56	3.54	0.24	-52.78	Average	-27	Pass
NVNT	ac40	5755	Ant1	5700	-43.14	3.54	-	-39.60	Peak	10	Pass
NVNT	ac40	5755	Ant1	5700	-52.13	3.54	0.24	-48.35	Average	10	Pass
NVNT	ac40	5755	Ant1	5720	-30.32	3.54	-	-26.78	Peak	15.6	Pass
NVNT	ac40	5755	Ant1	5720	-43.42	3.54	0.24	-39.64	Average	15.6	Pass
NVNT	ac40	5755	Ant1	5725	-25.46	3.54	-	-21.92	Peak	27	Pass
NVNT	ac40	5755	Ant1	5725	-41.02	3.54	0.24	-37.24	Average	27	Pass
NVNT	ac40	5795	Ant1	5850	-47.48	3.54	-	-43.94	Peak	27	Pass
NVNT	ac40	5795	Ant1	5850	-55.31	3.54	0.24	-51.53	Average	27	Pass
NVNT	ac40	5795	Ant1	5855	-45.25	3.54	-	-41.71	Peak	15.6	Pass
NVNT	ac40	5795	Ant1	5855	-55.44	3.54	0.24	-51.66	Average	15.6	Pass
NVNT	ac40	5795	Ant1	5875	-50.75	3.54	-	-47.21	Peak	10	Pass
NVNT	ac40	5795	Ant1	5875	-57.87	3.54	0.24	-54.09	Average	10	Pass
NVNT	ac40	5795	Ant1	5925	-49.67	3.54	-	-46.13	Peak	-27	Pass
NVNT	ac40	5795	Ant1	5925	-57.9	3.54	0.24	-54.12	Average	-27	Pass
NVNT	ac80	5775	Ant1	5650	-47.7	3.54	-	-44.16	Peak	-27	Pass

NVNT	ac80	5775	Ant1	5650	-56.06	3.54	0.47	-52.05	Average	-27	Pass
NVNT	ac80	5775	Ant1	5700	-38.05	3.54	-	-34.51	Peak	10	Pass
NVNT	ac80	5775	Ant1	5700	-50.09	3.54	0.47	-46.08	Average	10	Pass
NVNT	ac80	5775	Ant1	5720	-32.26	3.54	-	-28.72	Peak	15.6	Pass
NVNT	ac80	5775	Ant1	5720	-45.8	3.54	0.47	-41.79	Average	15.6	Pass
NVNT	ac80	5775	Ant1	5725	-29.89	3.54	-	-26.35	Peak	27	Pass
NVNT	ac80	5775	Ant1	5725	-43.9	3.54	0.47	-39.89	Average	27	Pass
NVNT	ac80	5775	Ant1	5850	-37.71	3.54	-	-34.17	Peak	27	Pass
NVNT	ac80	5775	Ant1	5850	-47.85	3.54	0.47	-43.84	Average	27	Pass
NVNT	ac80	5775	Ant1	5855	-39.85	3.54	-	-36.31	Peak	15.6	Pass
NVNT	ac80	5775	Ant1	5855	-48.13	3.54	0.47	-44.12	Average	15.6	Pass
NVNT	ac80	5775	Ant1	5875	-42.41	3.54	-	-38.87	Peak	10	Pass
NVNT	ac80	5775	Ant1	5875	-52.73	3.54	0.47	-48.72	Average	10	Pass
NVNT	ac80	5775	Ant1	5925	-49.08	3.54	-	-45.54	Peak	-27	Pass
NVNT	ac80	5775	Ant1	5925	-57.24	3.54	0.47	-53.23	Average	-27	Pass

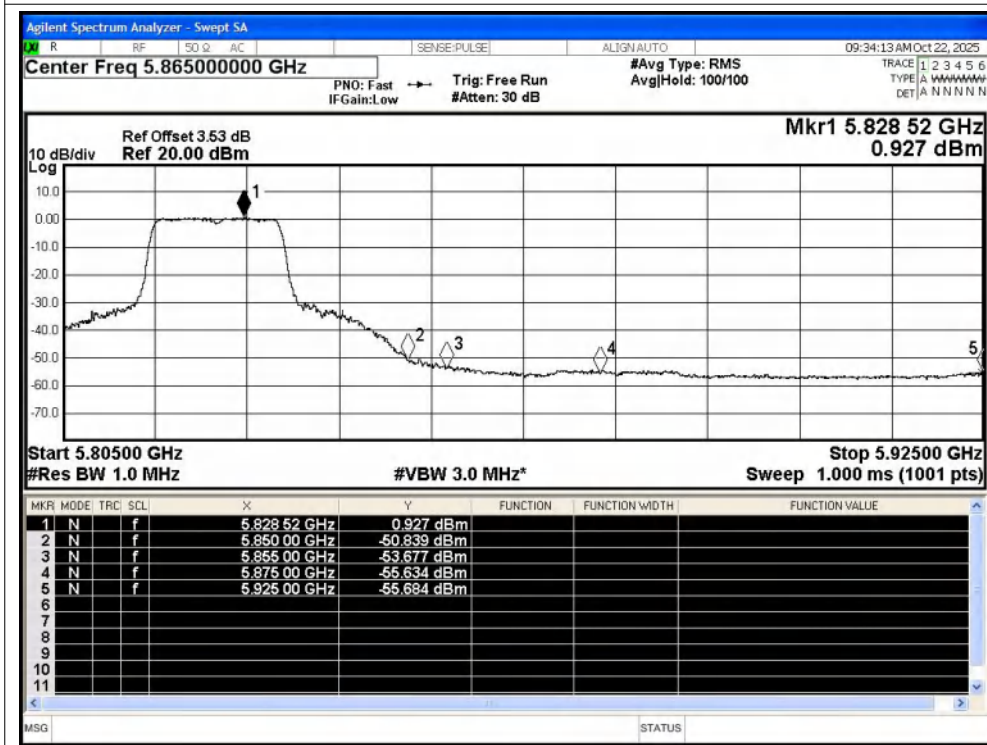
Restrict Band NVNT a 5745MHz Ant1 Peak



Restrict Band NVNT a 5825MHz Ant1 Peak

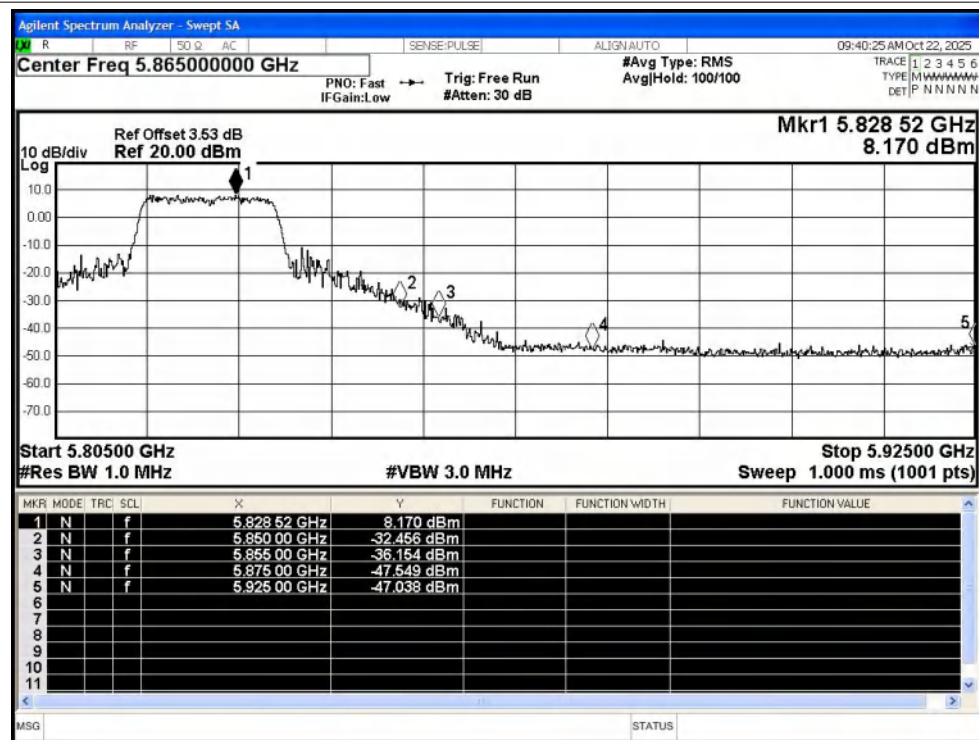


Restrict Band NVNT a 5825MHz Ant1 Average

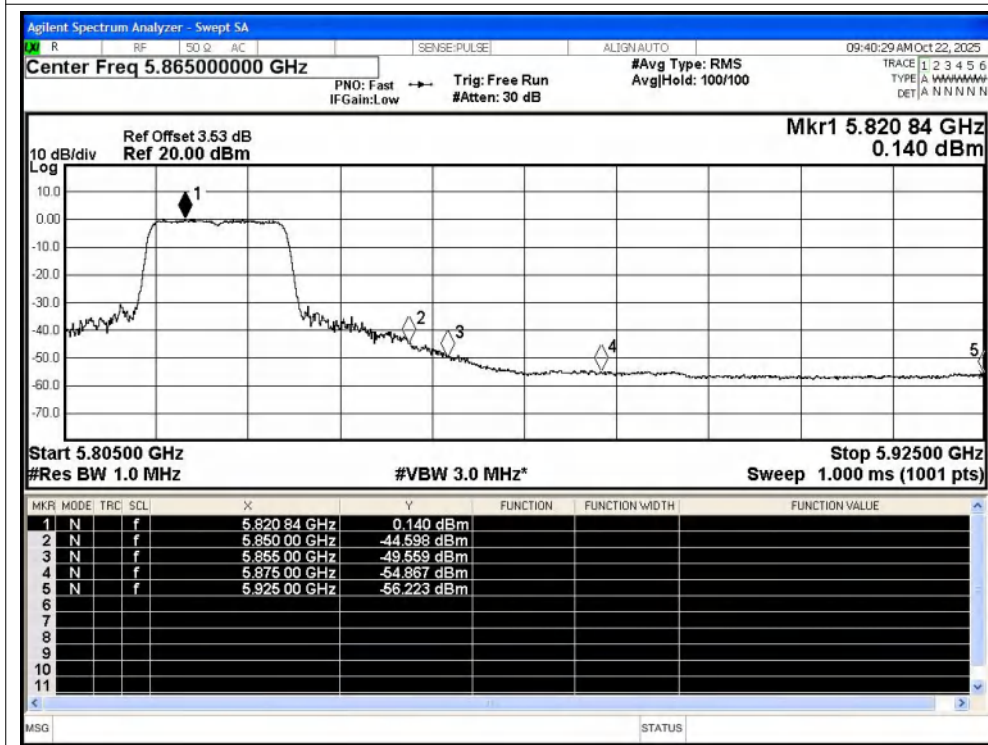


[illegible][illegible]

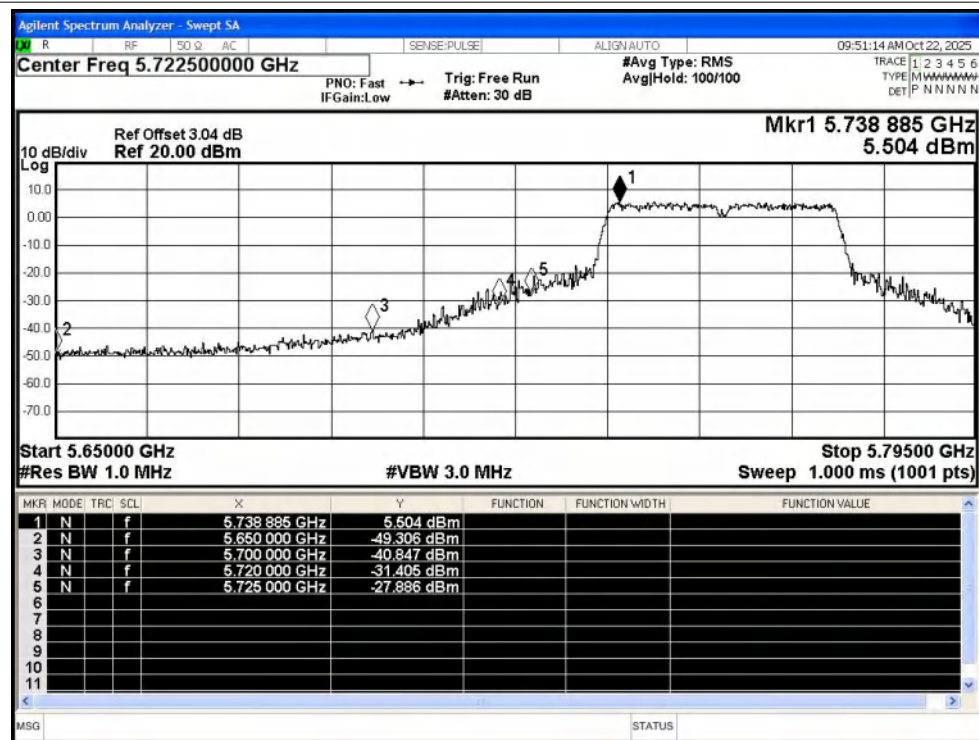
Restrict Band NVNT n20 5825MHz Ant1 Peak



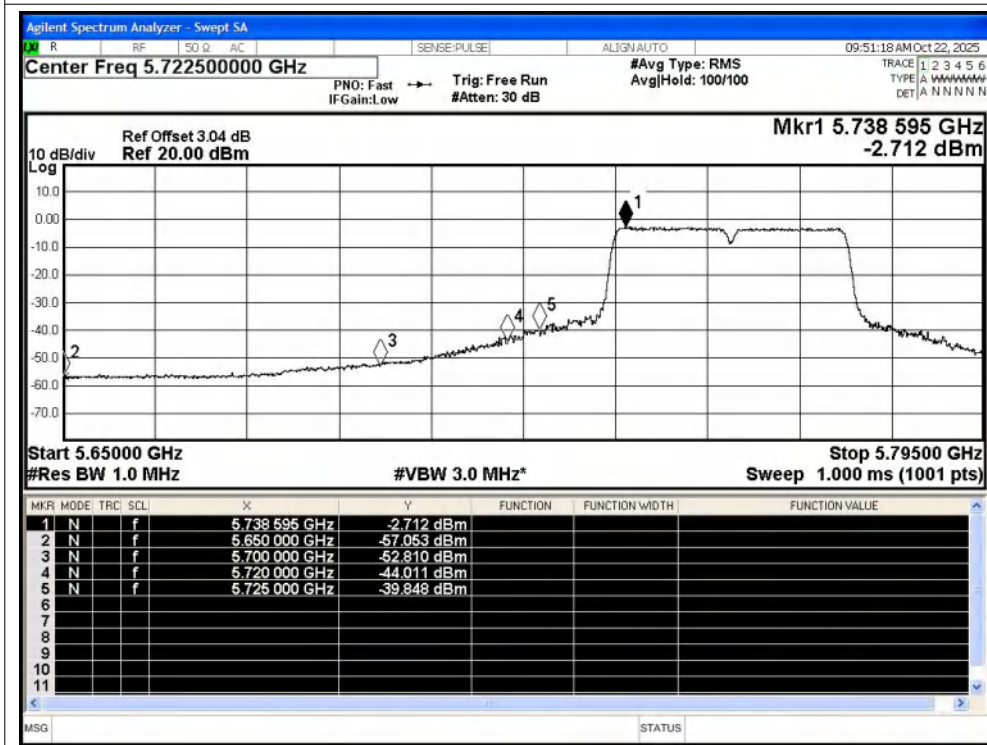
Restrict Band NVNT n20 5825MHz Ant1 Average



Restrict Band NVNT n40 5755MHz Ant1 Peak



Restrict Band NVNT n40 5755MHz Ant1 Average



Agilent Spectrum Analyzer - Swept SA

R RF SO D A/C SENSE/PULSE ALIGN AUTO 09:52:55 AM Oct 22, 2025

Center Freq 5.84000000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS Avg Hold: 100/100 TRACE 1 2 3 4 5 6 TYPE M W N N N N N DET P N N N N N N

Ref Offset 2.87 dB
Ref 20.00 dBm

Mkr1 5.778 63 GHz
5.536 dBm

Start 5.7500 GHz Stop 5.9250 GHz
#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)

MKR MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	5.778 63 GHz	5.536 dBm			
2	N	f	5.850 00 GHz	-47.841 dBm			
3	N	f	5.855 00 GHz	-46.649 dBm			
4	N	f	5.875 00 GHz	-50.144 dBm			
5	N	f	5.925 00 GHz	-49.327 dBm			
6							
7							
8							
9							
10							
11							

Agilent Spectrum Analyzer - Swept SA

R RF SO Q A/C SENSE:PULSE ALIGN:AUTO 09:52:59 AM Oct 22, 2025

Center Freq 5.840000000 GHz

PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS Avg/Hold: 100/100

TRACE 1 2 3 4 5 6
TYPE A W W W W W W W
DET A N N N N N N

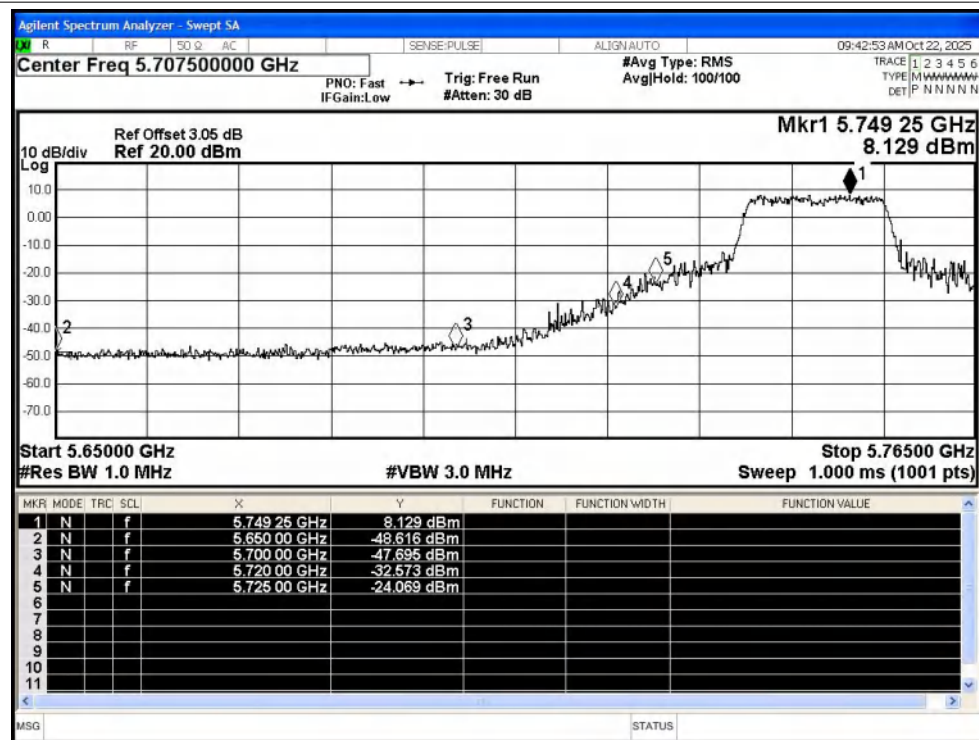
Ref Offset 2.87 dB
Ref 20.00 dBm

Mkr1 5.778 97 GHz
-3.387 dBm

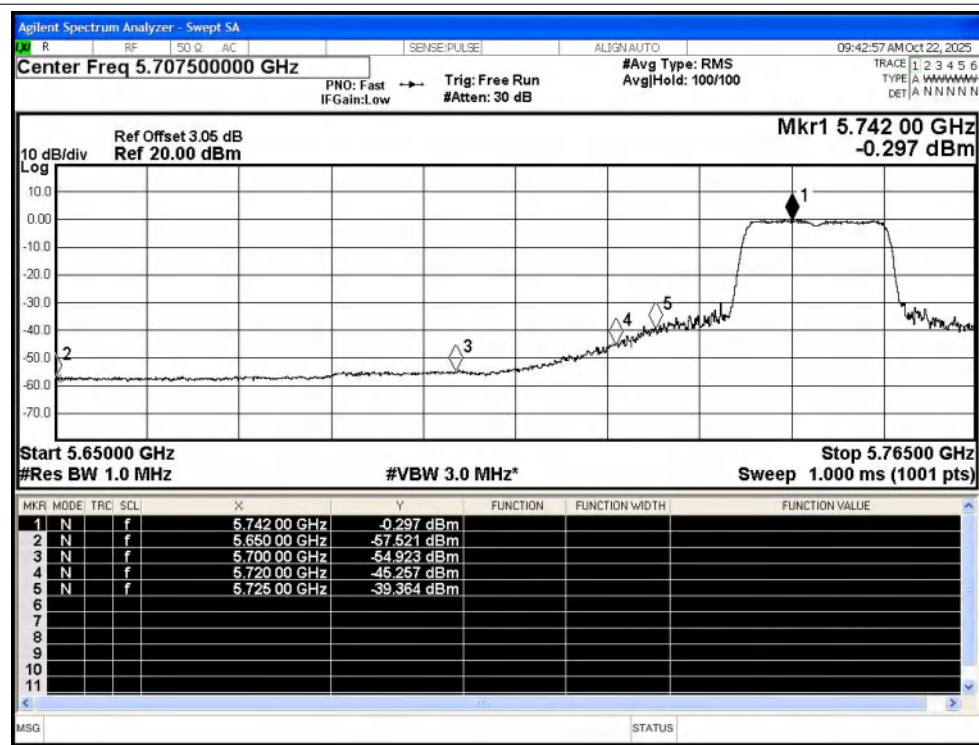
Start 5.75500 GHz Stop 5.92500 GHz
#Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts)

MKR MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	5.778 97 GHz	-3.387 dBm			
2	N	f	5.850 00 GHz	-55.243 dBm			
3	N	f	5.855 00 GHz	-55.766 dBm			
4	N	f	5.875 00 GHz	-57.741 dBm			
5	N	f	5.925 00 GHz	-57.104 dBm			

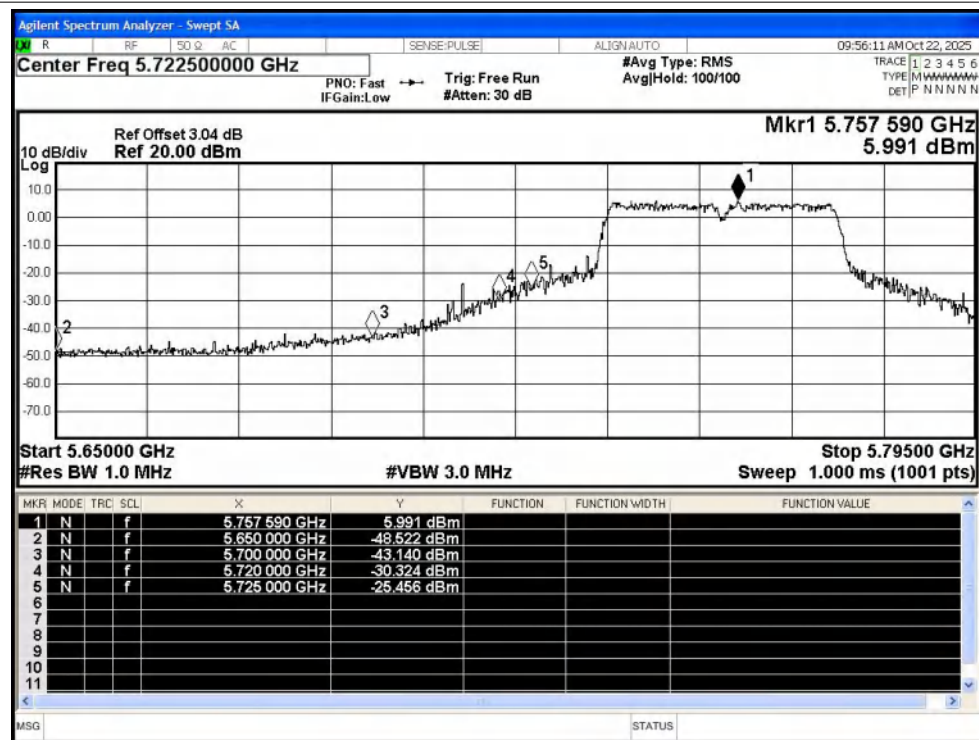
Restrict Band NVNT ac20 5745MHz Ant1 Peak



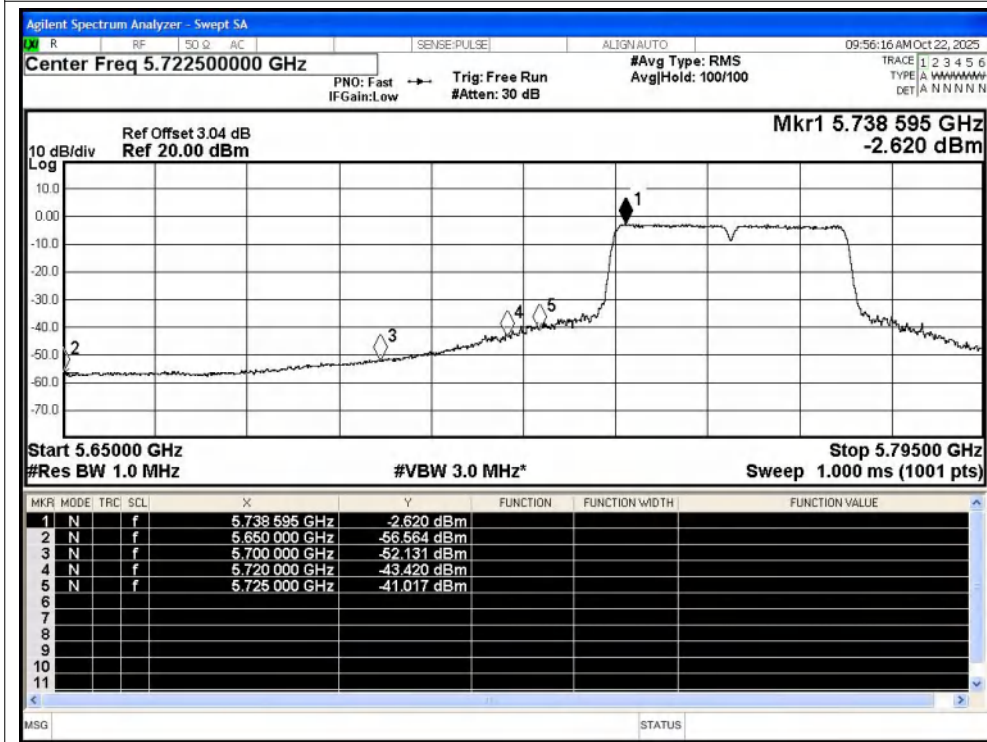
Restrict Band NVNT ac20 5745MHz Ant1 Average



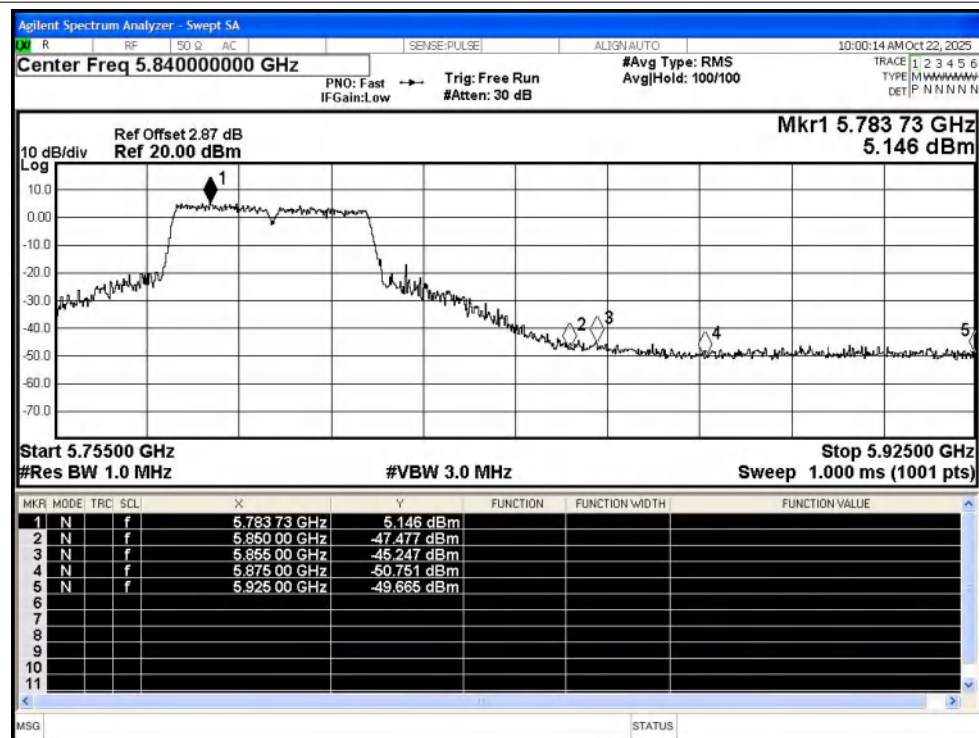
Restrict Band NVNT ac40 5755MHz Ant1 Peak



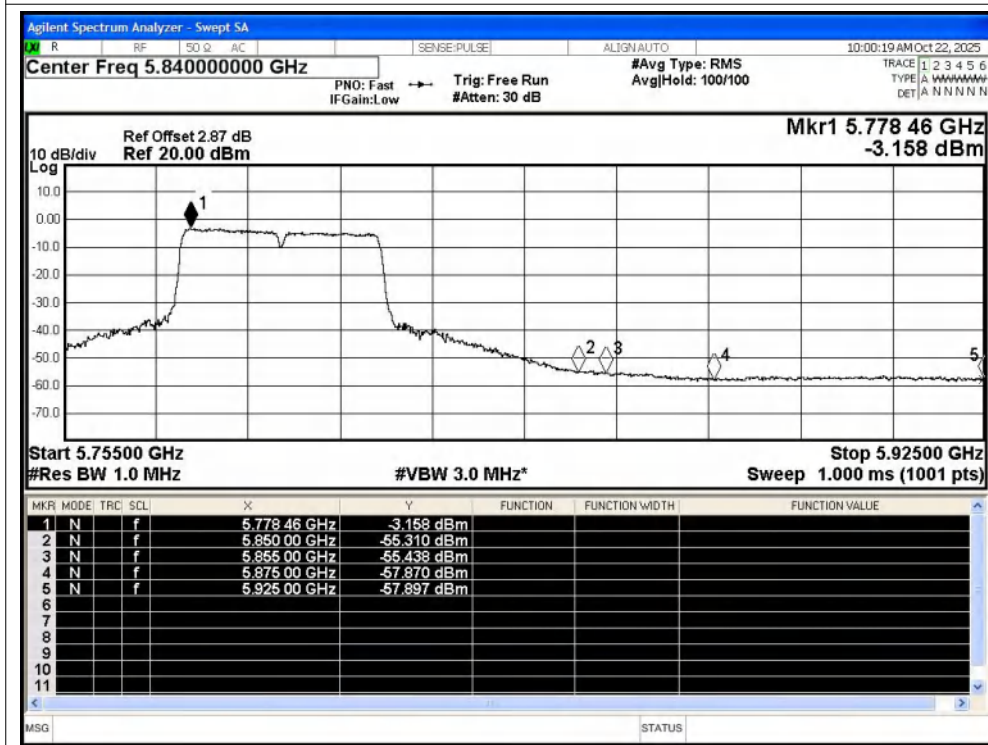
Restrict Band NVNT ac40 5755MHz Ant1 Average



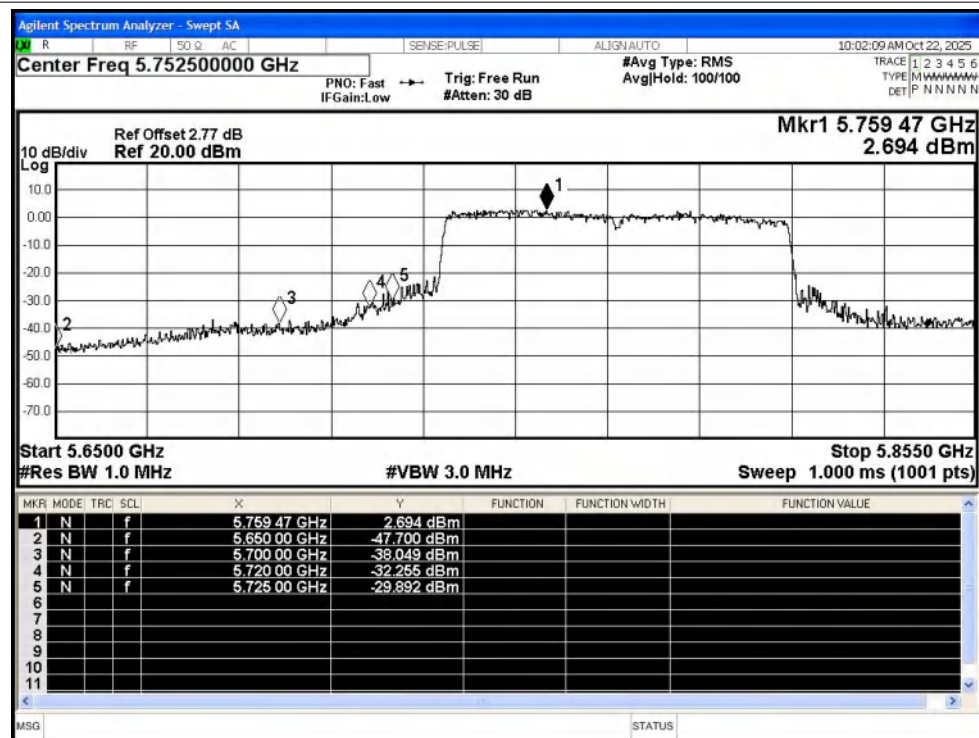
Restrict Band NVNT ac40 5795MHz Ant1 Peak



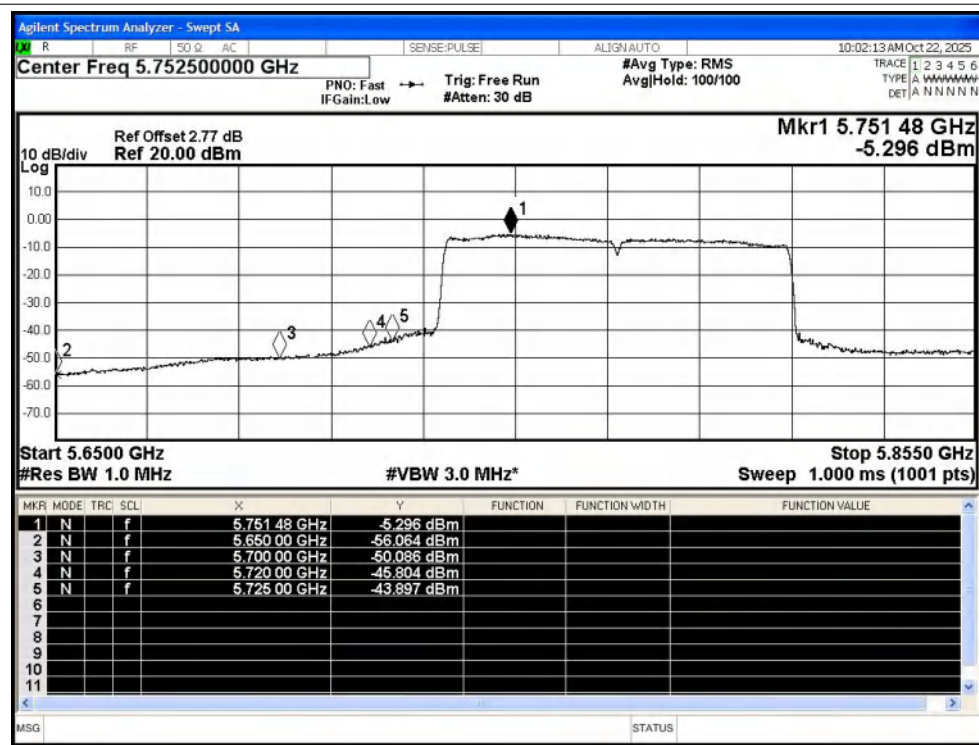
Restrict Band NVNT ac40 5795MHz Ant1 Average



Restrict Band NVNT ac80 5775MHz Ant1 Peak



Restrict Band NVNT ac80 5775MHz Ant1 Average



Agilent Spectrum Analyzer - Swept SA

R F SO Q AC SENSE:PULSE ALIGN:AUTO 10-02-36 AM OCT 22, 2025

Center Freq 5.810000000 GHz

PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS Avg/Hold: 100/100

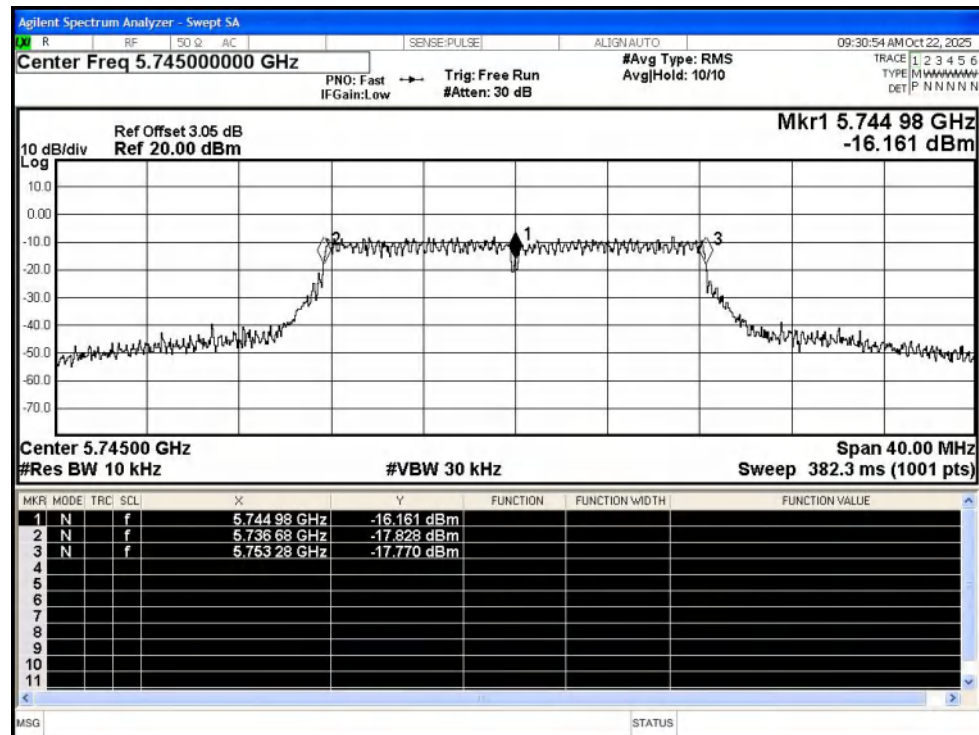
Ref Offset 2.77 dB Ref 20.00 dBm Mkr1 5.757 79 GHz -5.356 dBm

MKR MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	5.757 79 GHz	-5.356 dBm			
2	N	f	5.850 00 GHz	-47.854 dBm			
3	N	f	5.855 00 GHz	-48.129 dBm			
4	N	f	5.875 00 GHz	-52.727 dBm			
5	N	f	5.925 00 GHz	-57.240 dBm			

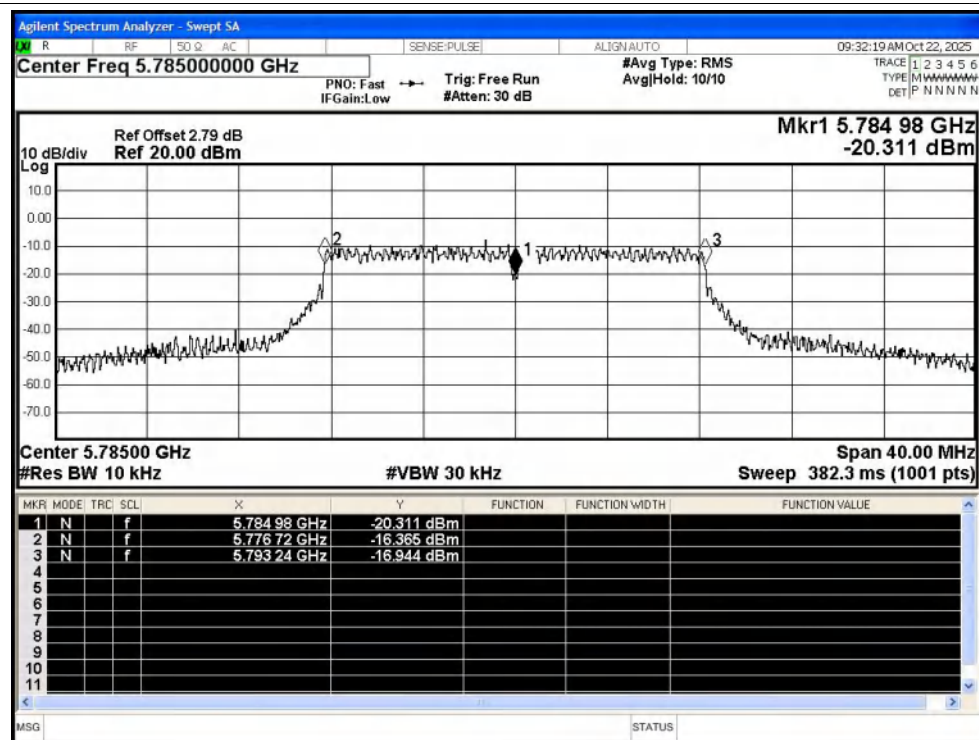
5 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
NVNT	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
NVNT	a	5825	Ant1	5825	0	0	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	5824.98	-20000	-3.43	25	Pass
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	5744.98	-20000	-3.48	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	5754.96	-40000	-6.95	25	Pass
NVNT	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
NVNT	ac80	5775	Ant1	5775	0	0	25	Pass

Freq. Stability NVNT a 5745MHz Ant1

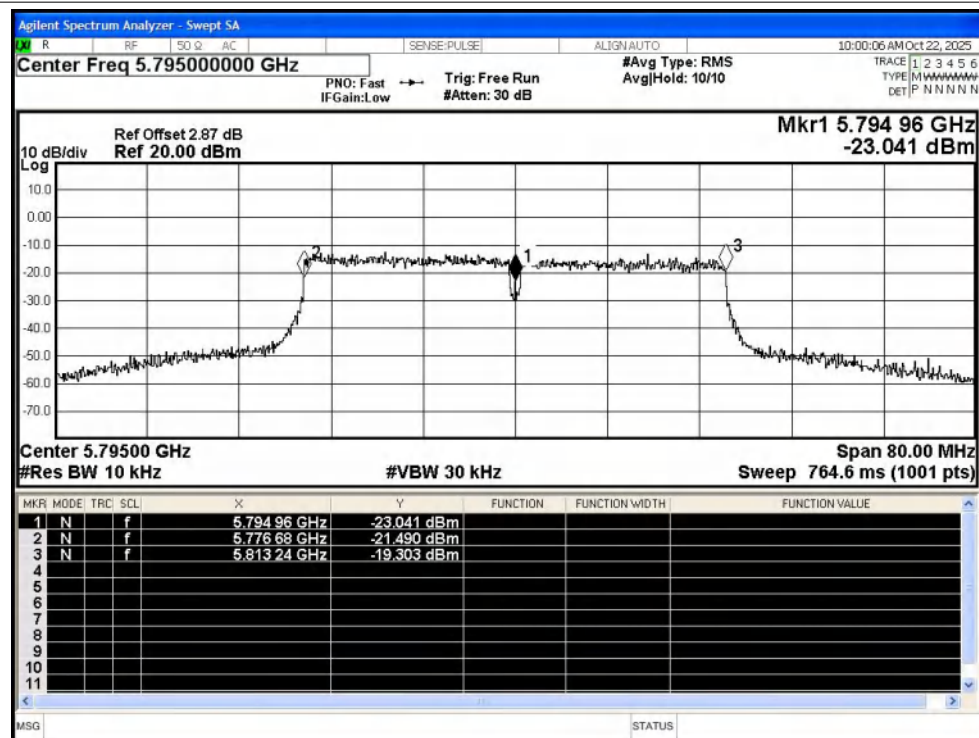


Freq. Stability NVNT a 5785MHz Ant1

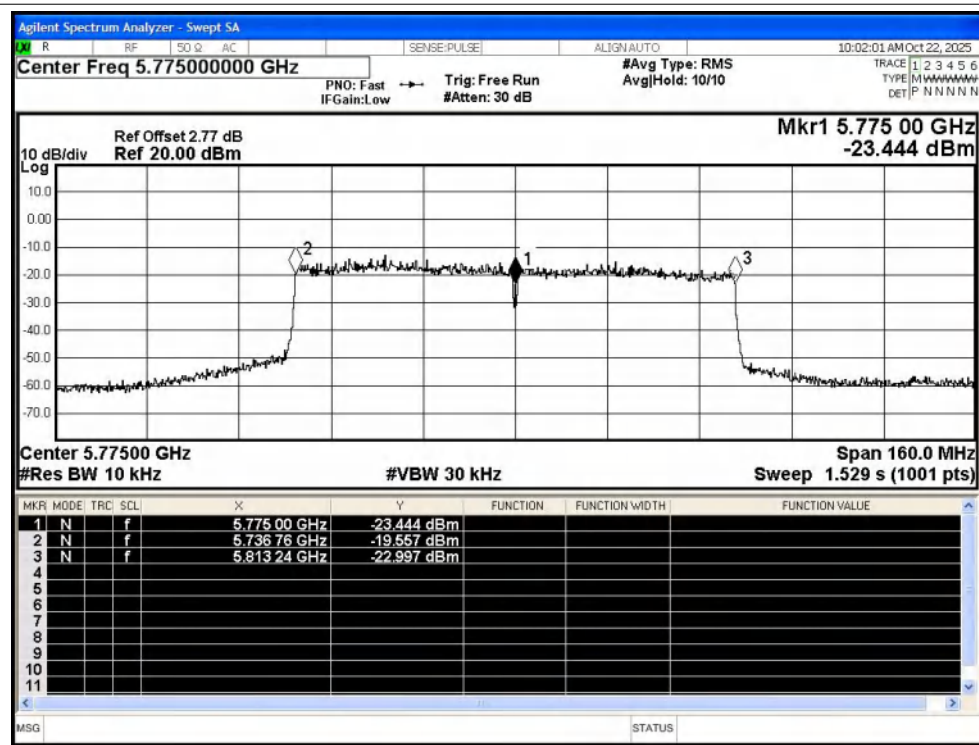


[illegible][illegible]

Freq. Stability NVNT ac40 5795MHz Ant1



Freq. Stability NVNT ac80 5775MHz Ant1

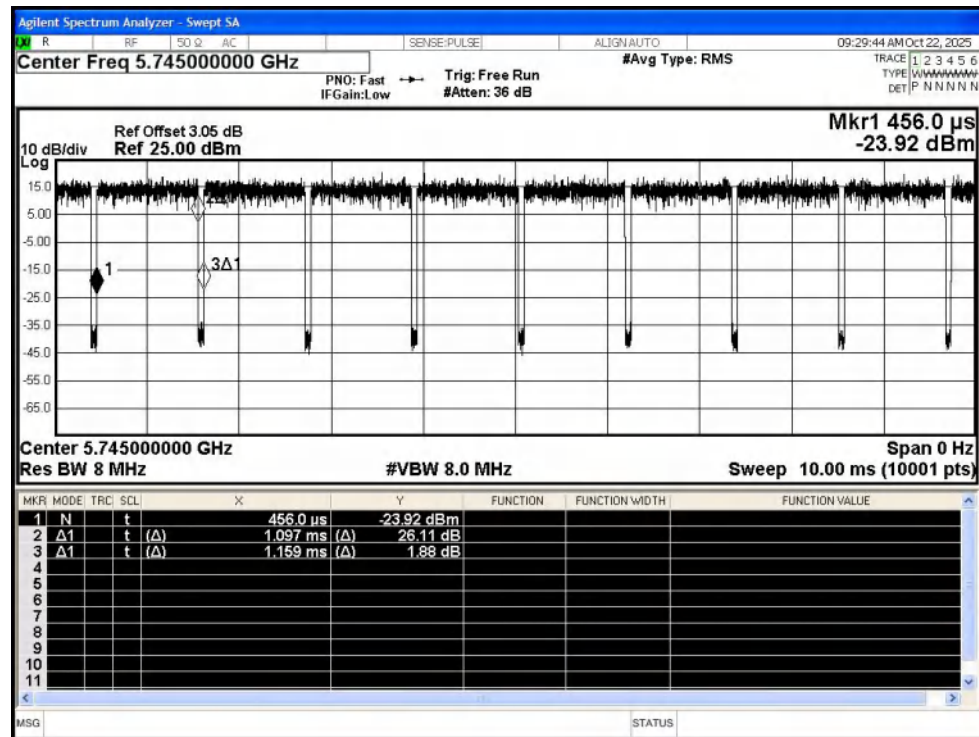


6 Duty Cycle

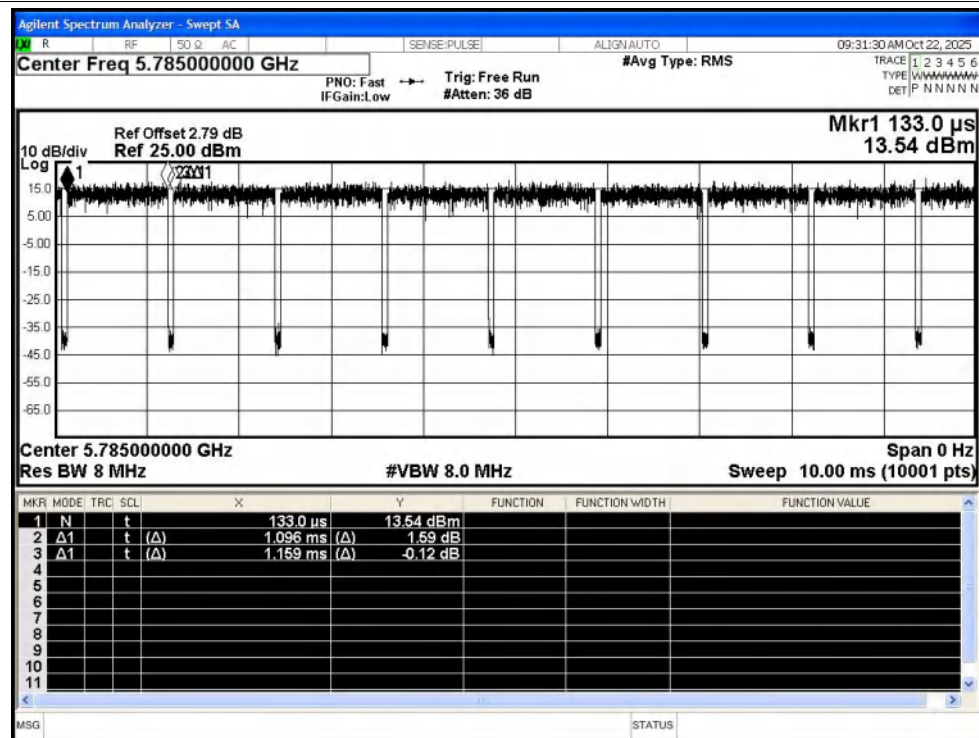
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	94.65	0.24	0.91
NVNT	a	5785	Ant1	94.56	0.24	0.91
NVNT	a	5825	Ant1	94.65	0.24	0.91
NVNT	n20	5745	Ant1	97.29	0.12	0.44
NVNT	n20	5785	Ant1	97.33	0.12	0.44
NVNT	n20	5825	Ant1	97.29	0.12	0.44
NVNT	n40	5755	Ant1	94.71	0.24	0.9
NVNT	n40	5795	Ant1	94.71	0.24	0.9
NVNT	ac20	5745	Ant1	97.34	0.12	0.44
NVNT	ac20	5785	Ant1	97.34	0.12	0.44
NVNT	ac20	5825	Ant1	97.34	0.12	0.44
NVNT	ac40	5755	Ant1	94.72	0.24	0.9
NVNT	ac40	5795	Ant1	94.72	0.24	0.9
NVNT	ac80	5775	Ant1	89.82	0.47	1.86

Test Graphs

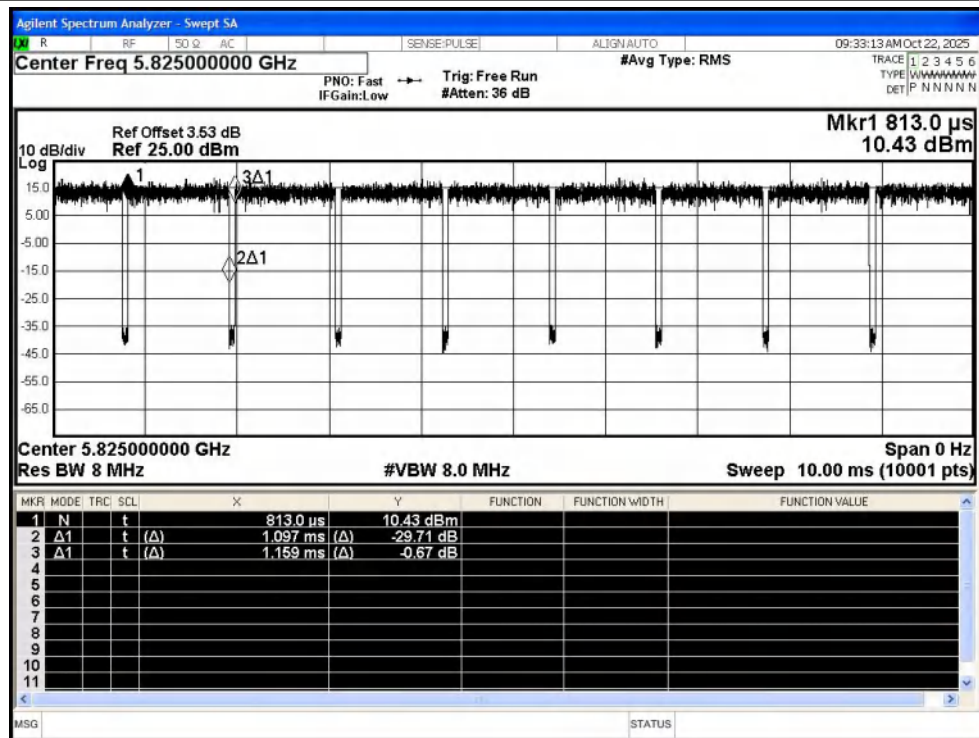
Duty Cycle NVNT a 5745MHz Ant1



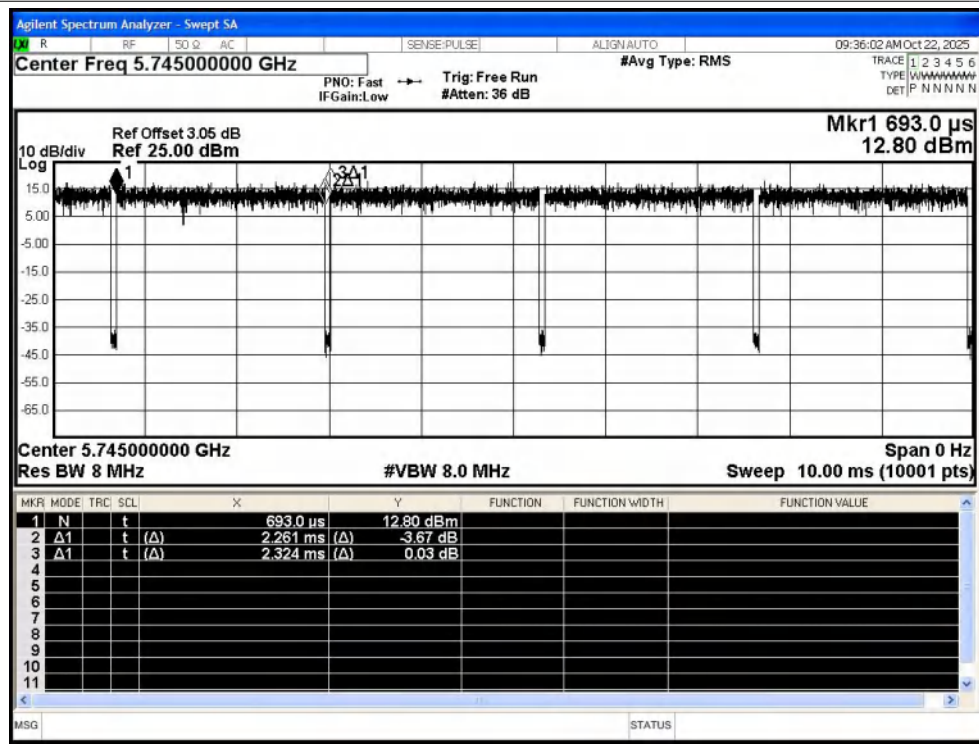
Duty Cycle NVNT a 5785MHz Ant1



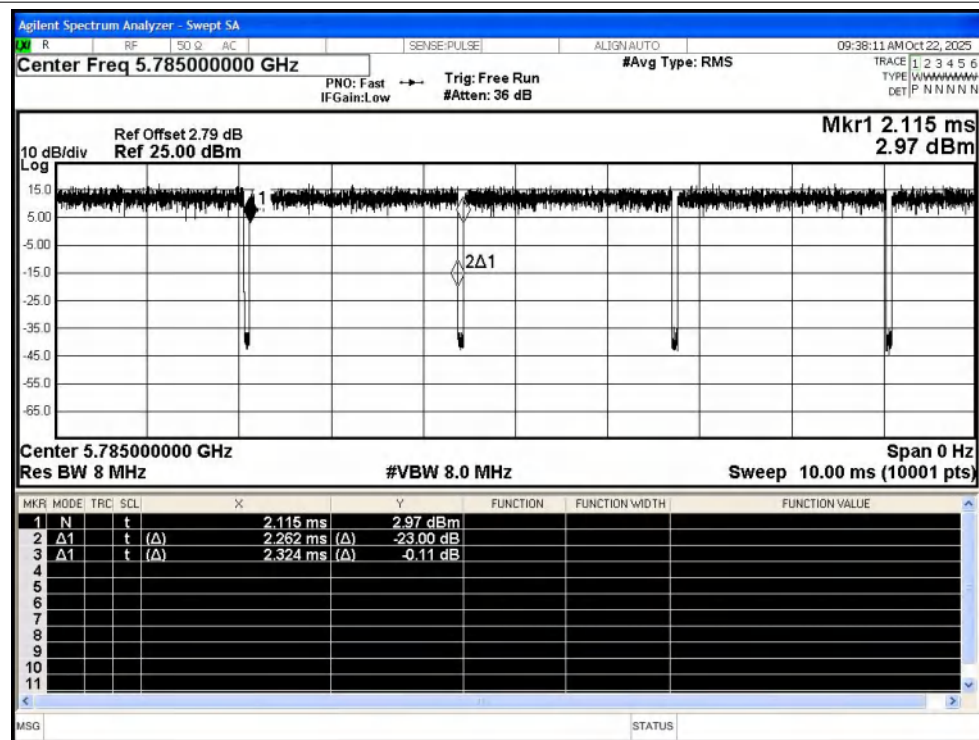
Duty Cycle NVNT a 5825MHz Ant1



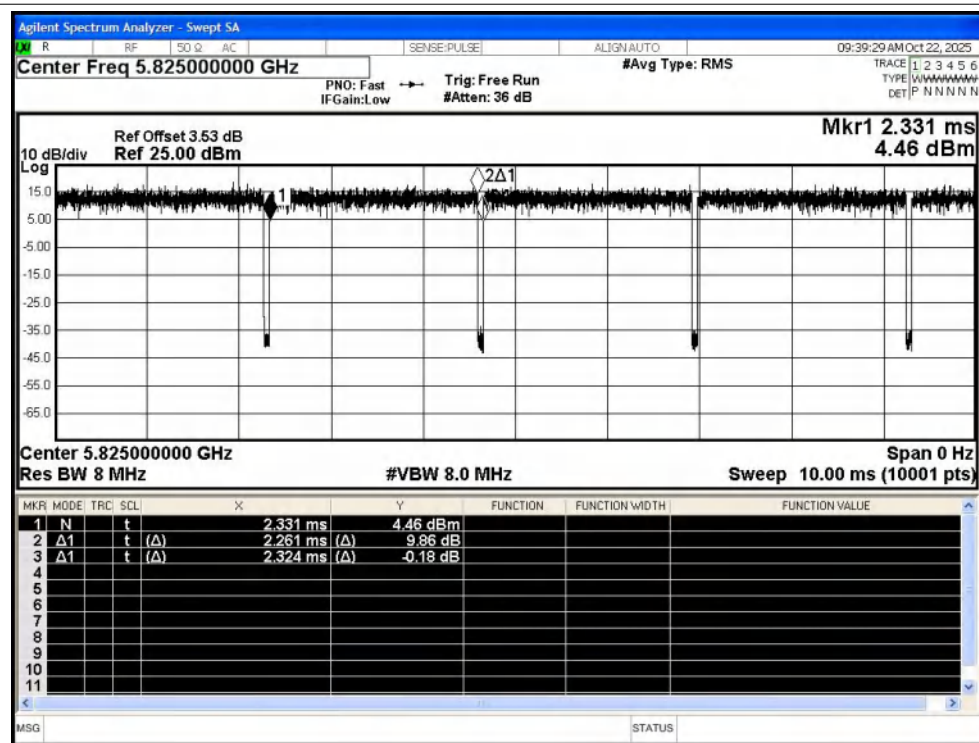
Duty Cycle NVNT n20 5745MHz Ant1



Duty Cycle NVNT n20 5785MHz Ant1



Duty Cycle NVNT n20 5825MHz Ant1



[illegible]

Agilent Spectrum Analyzer - Swept SA

R F SO Q AC SENSE:PULSE ALIGN:AUTO 09:51:59 AM Oct 22, 2025

Center Freq 5.79500000 GHz

PNO: Fast IFGain:Low Trig: Free Run #Atten: 36 dB #Avg Type: RMS

TRACE 1 2 3 4 5 6
TYPE V W X Y Z
DET P N N N N N

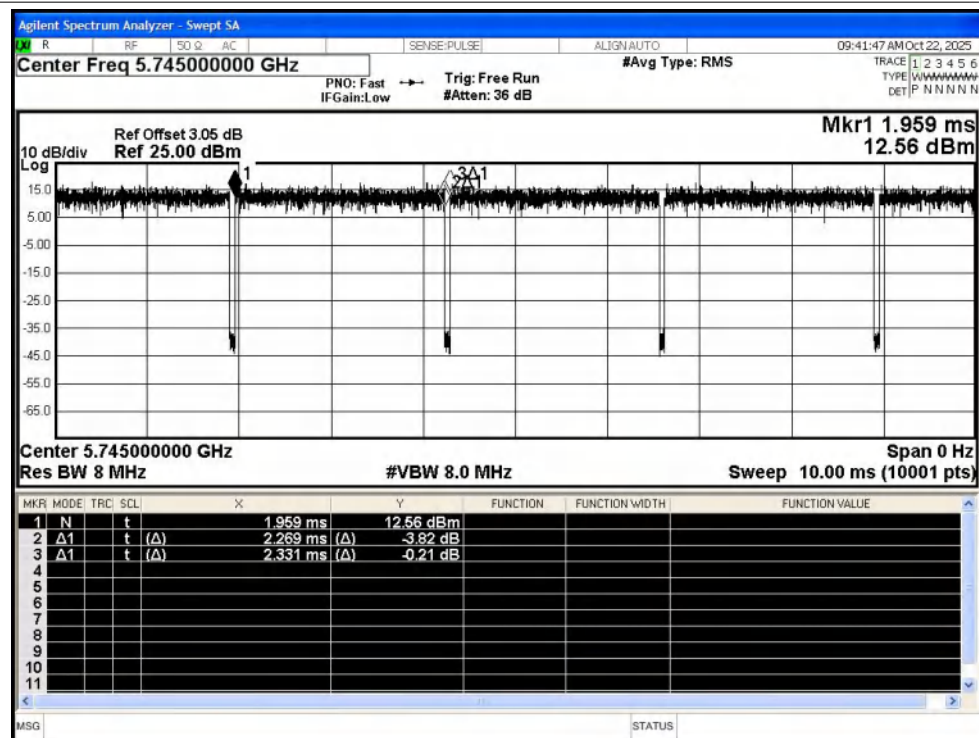
Ref Offset 2.87 dB
Ref 25.00 dBm

Mkr1 383.0 μs
3.54 dBm

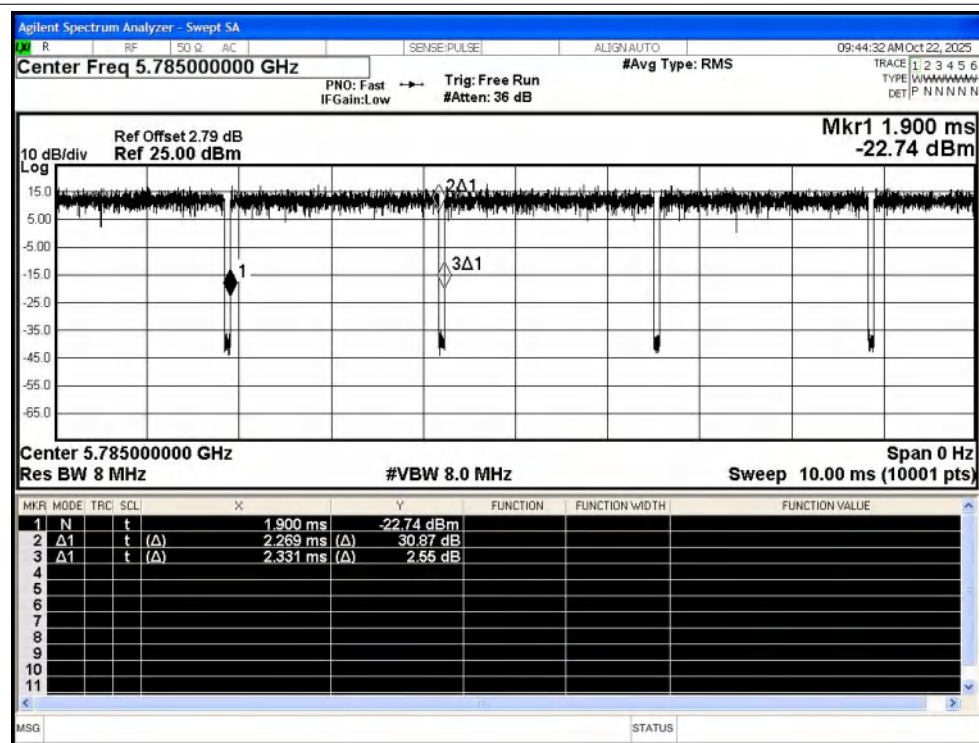
MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	t		383.0 μs	3.54 dBm			
2	Δ1	t	(Δ)	1.109 ms	2.45 dB			
3	Δ1	t	(Δ)	1.171 ms	-0.09 dB			
4								
5								
6								
7								
8								
9								
10								
11								

Center 5.79500000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 10.00 ms (10001 pts)

Duty Cycle NVNT ac20 5745MHz Ant1

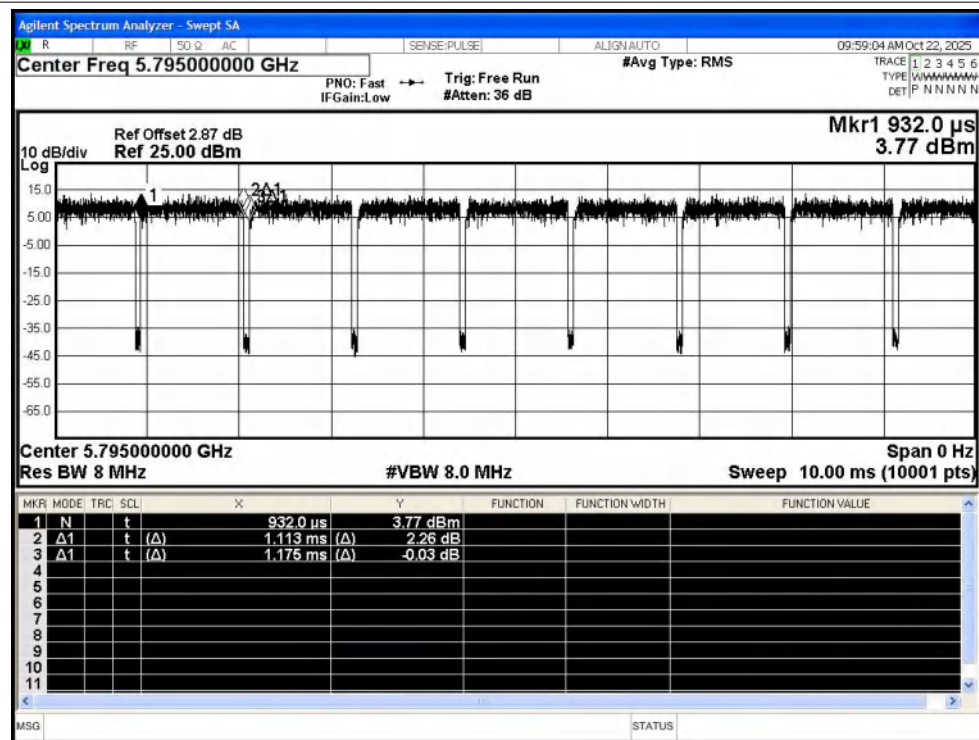


Duty Cycle NVNT ac20 5785MHz Ant1



[illegible]

Duty Cycle NVNT ac40 5795MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant1

