

FCC Appendix RF Test Data for 5.8GWIFI

Product Name: Smart Diagnostic System

Test Model: P805

Environmental Conditions

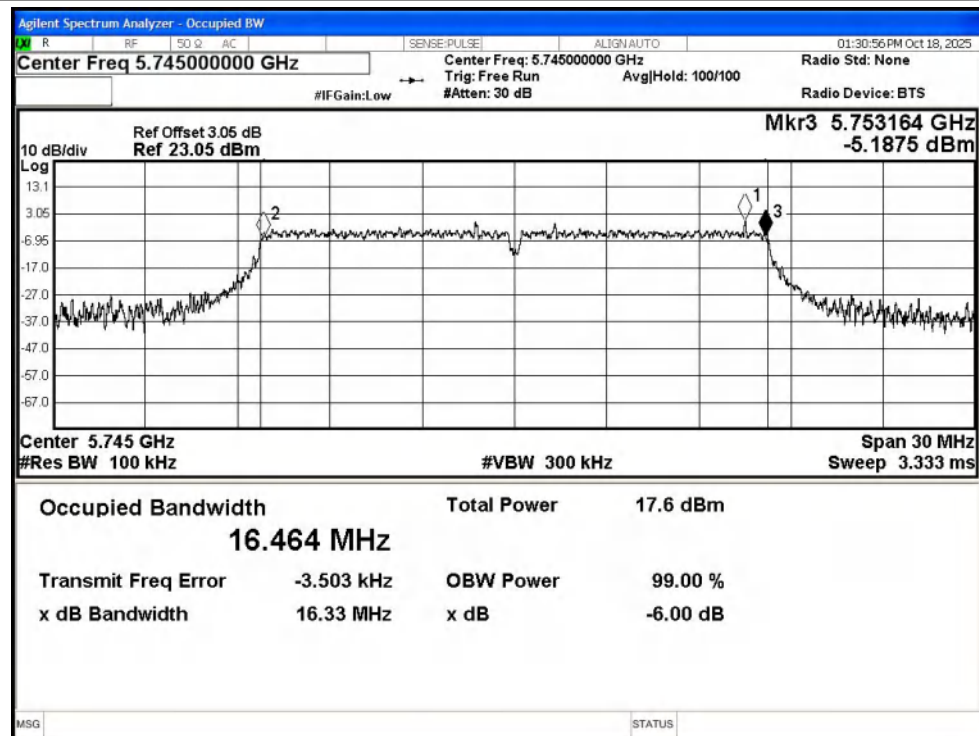
Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

1. -6dB Bandwidth

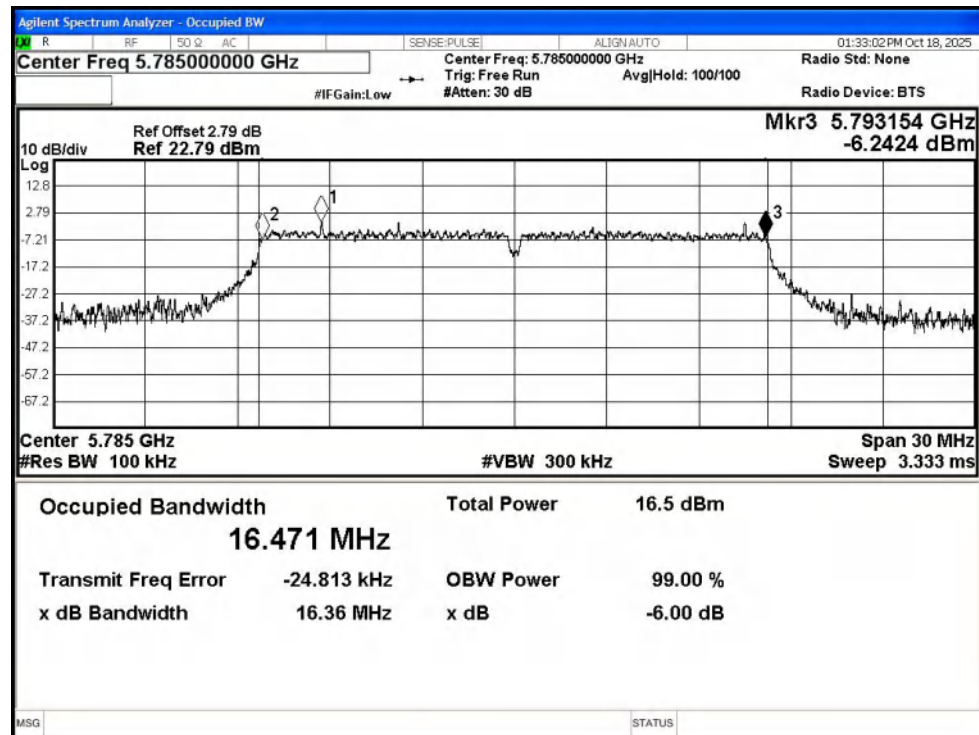
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.334	≥ 0.5	Pass
NVNT	a	5785	Ant1	16.358	≥ 0.5	Pass
NVNT	a	5825	Ant1	16.353	≥ 0.5	Pass
NVNT	n20	5745	Ant1	17.544	≥ 0.5	Pass
NVNT	n20	5785	Ant1	17.405	≥ 0.5	Pass
NVNT	n20	5825	Ant1	17.29	≥ 0.5	Pass
NVNT	n40	5755	Ant1	36.279	≥ 0.5	Pass
NVNT	n40	5795	Ant1	35.551	≥ 0.5	Pass
NVNT	ac20	5745	Ant1	17.516	≥ 0.5	Pass
NVNT	ac20	5785	Ant1	17.547	≥ 0.5	Pass
NVNT	ac20	5825	Ant1	17.446	≥ 0.5	Pass
NVNT	ac40	5755	Ant1	36.262	≥ 0.5	Pass
NVNT	ac40	5795	Ant1	35.739	≥ 0.5	Pass
NVNT	ac80	5775	Ant1	75.353	≥ 0.5	Pass

Test Graphs

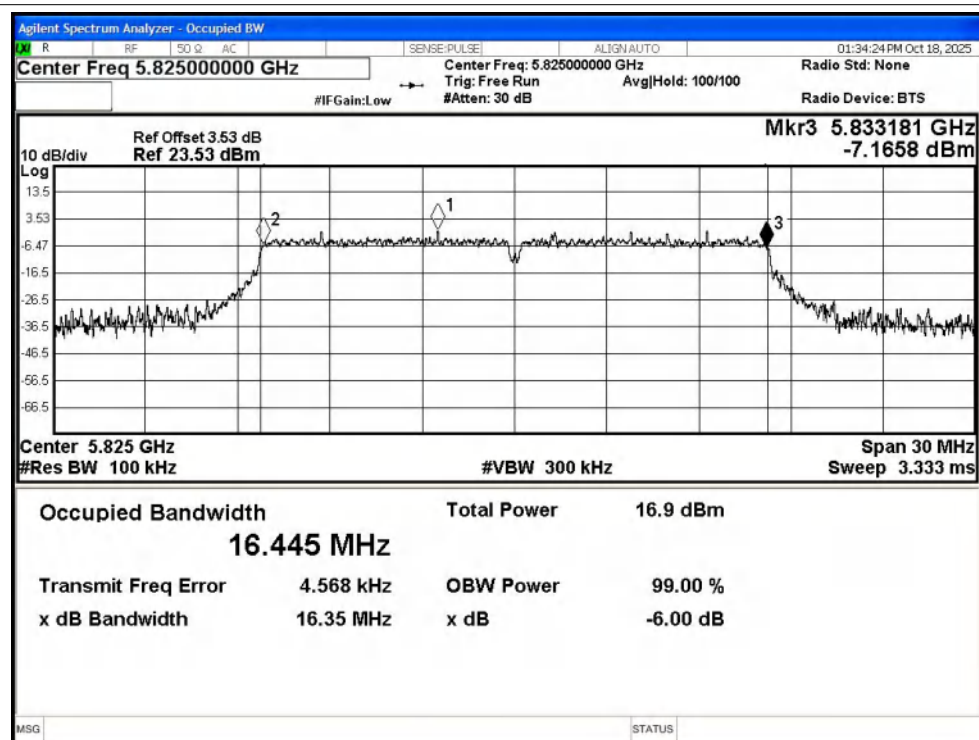
-6dB Bandwidth NVNT a 5745MHz Ant1



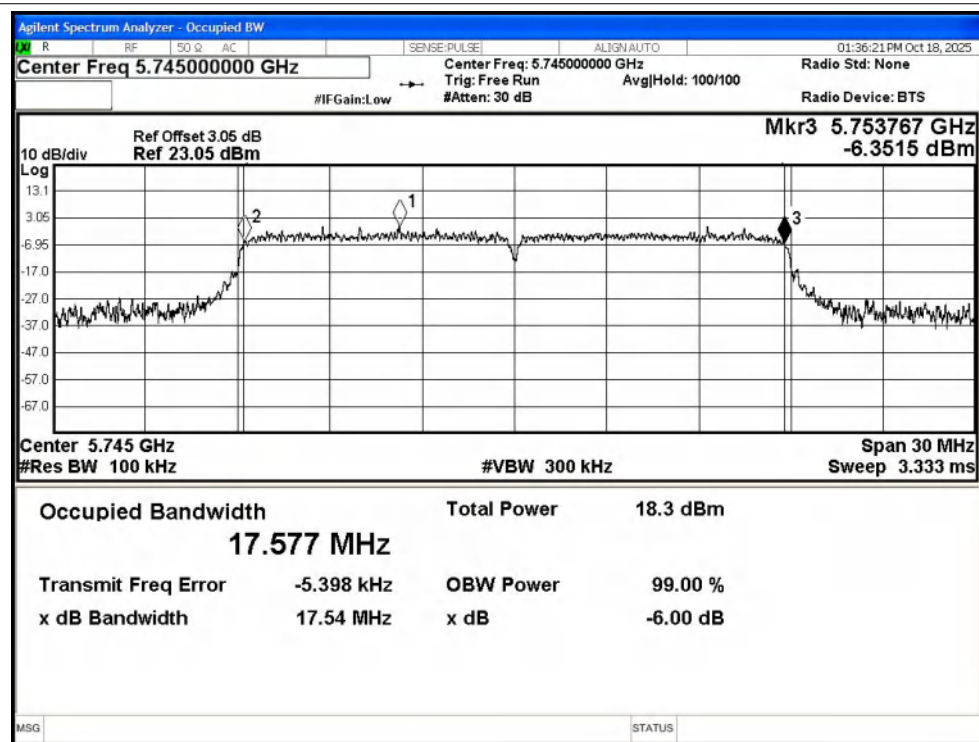
-6dB Bandwidth NVNT a 5785MHz Ant1



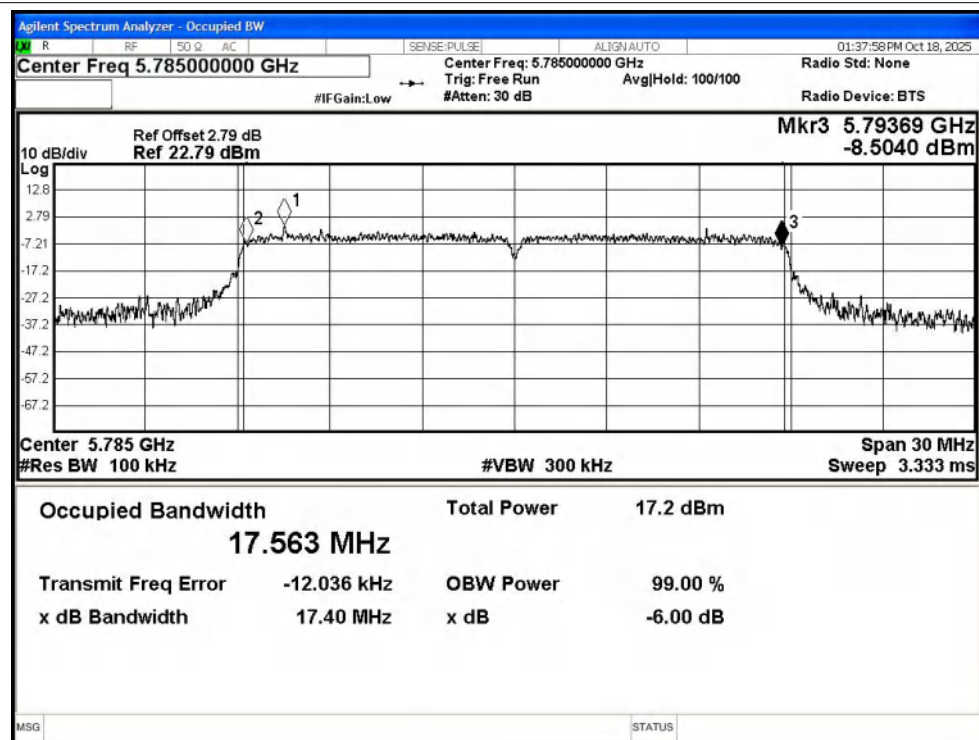
-6dB Bandwidth NVNT a 5825MHz Ant1



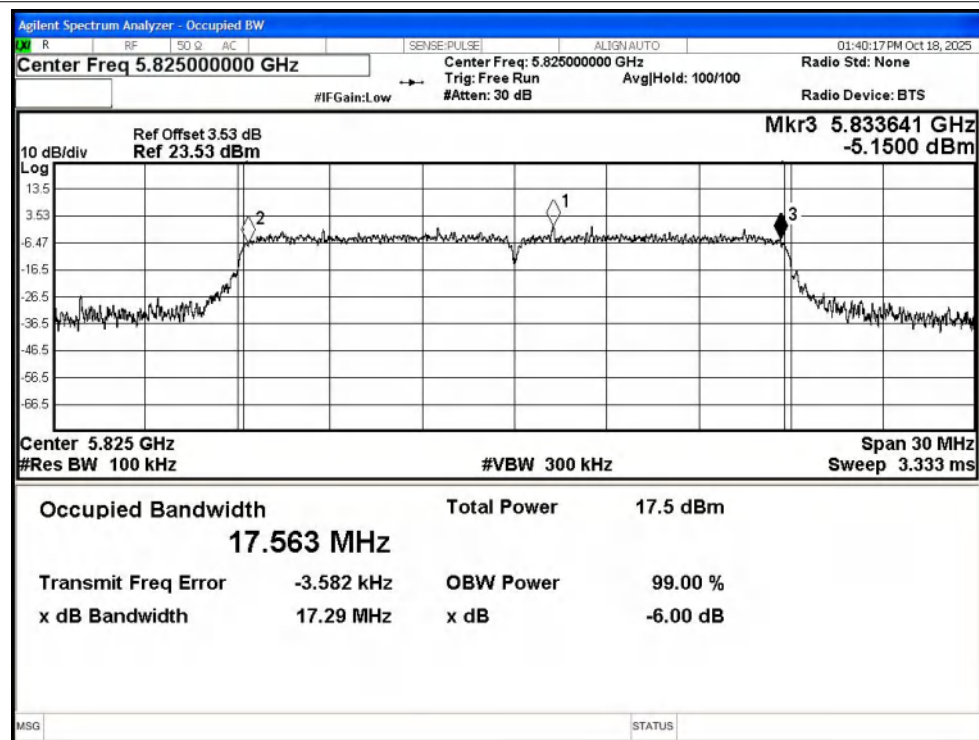
-6dB Bandwidth NVNT n20 5745MHz Ant1



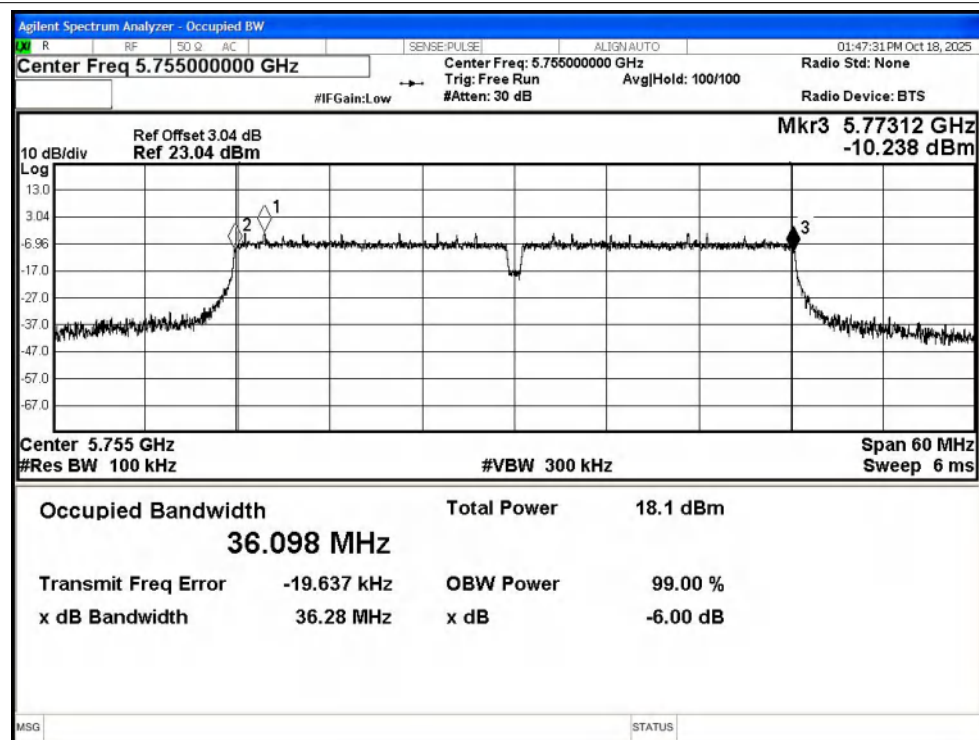
-6dB Bandwidth NVNT n20 5785MHz Ant1



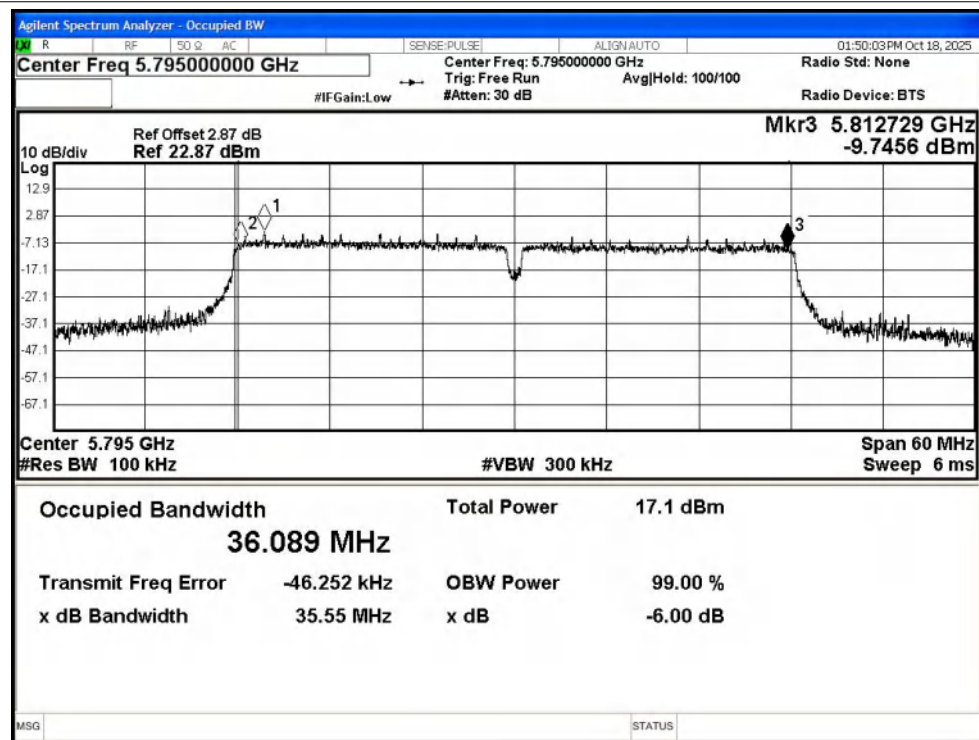
-6dB Bandwidth NVNT n20 5825MHz Ant1



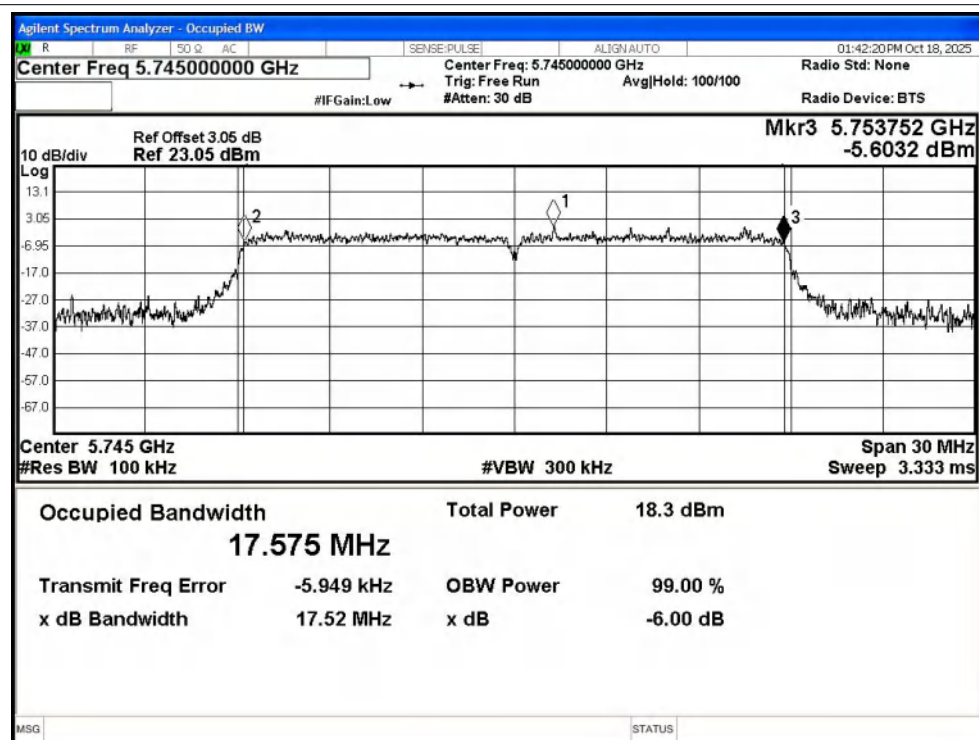
-6dB Bandwidth NVNT n40 5755MHz Ant1



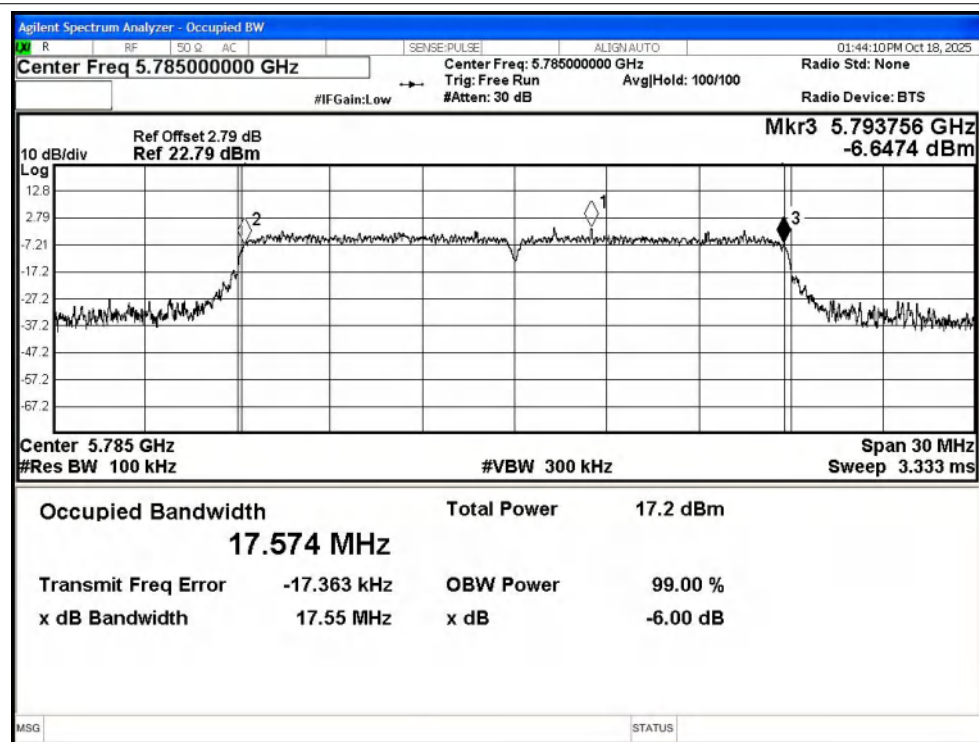
-6dB Bandwidth NVNT n40 5795MHz Ant1



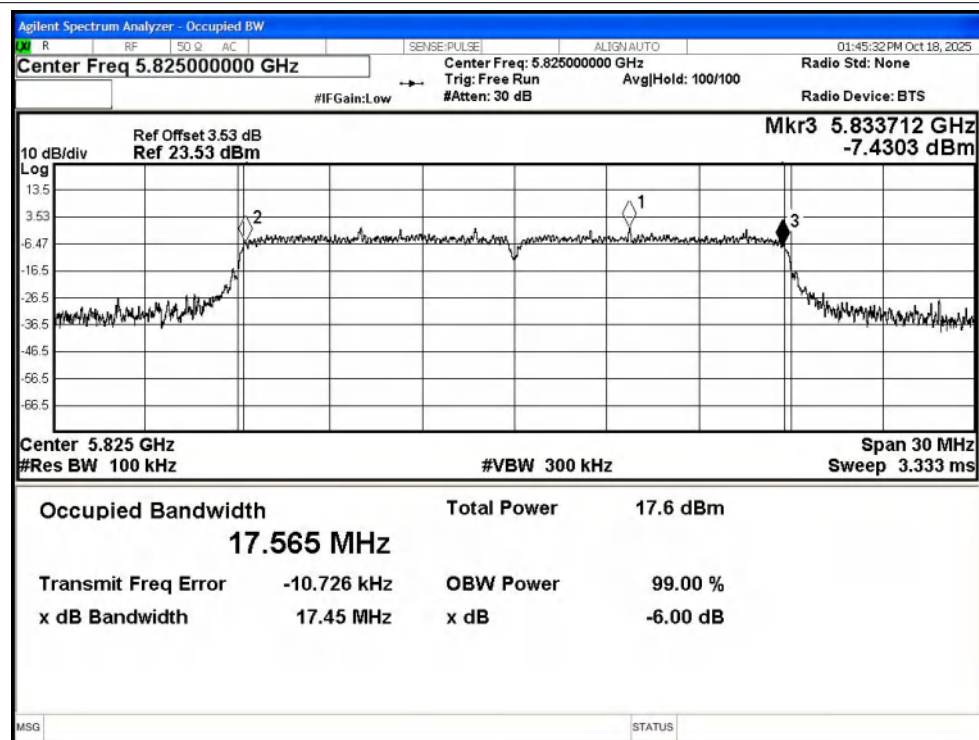
-6dB Bandwidth NVNT ac20 5745MHz Ant1



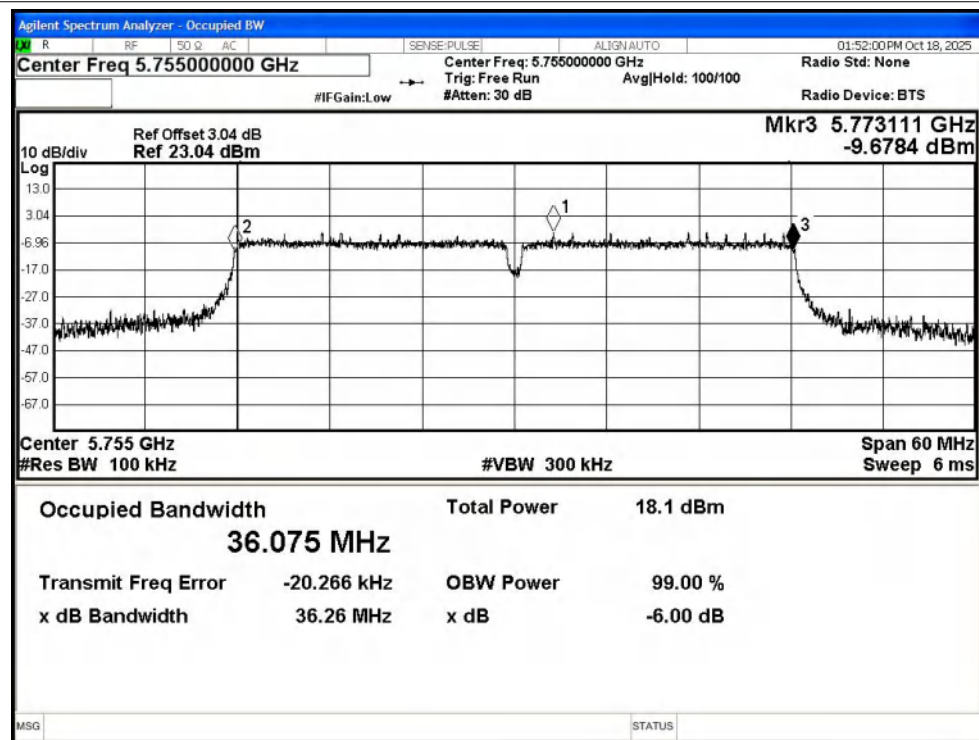
-6dB Bandwidth NVNT ac20 5785MHz Ant1



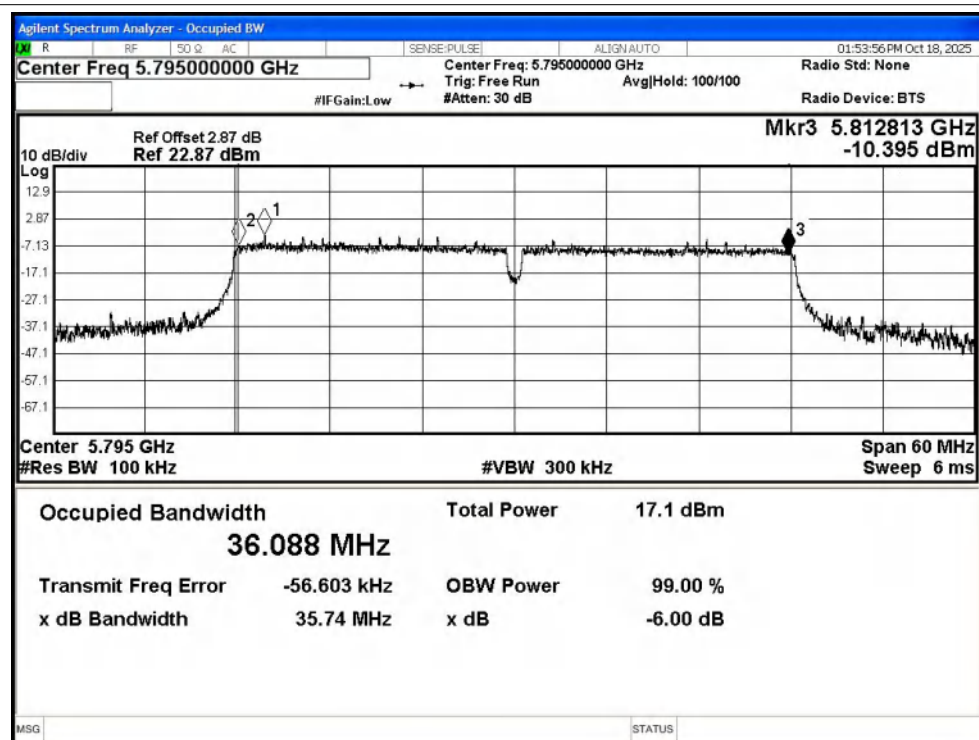
-6dB Bandwidth NVNT ac20 5825MHz Ant1



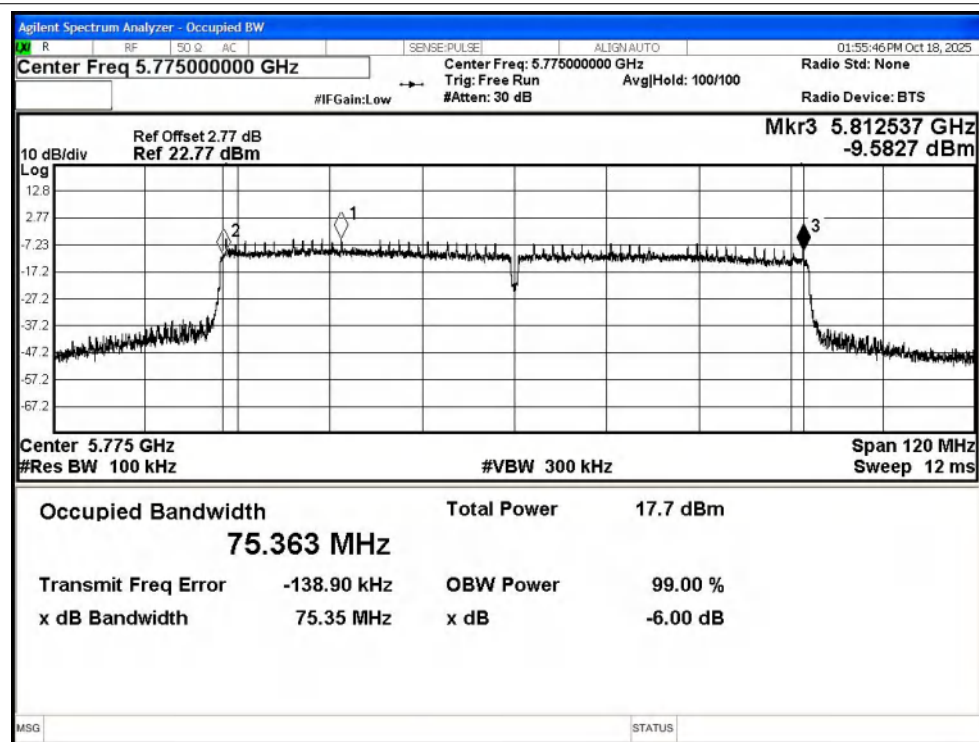
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1



2. Maximum Conducted Output Power

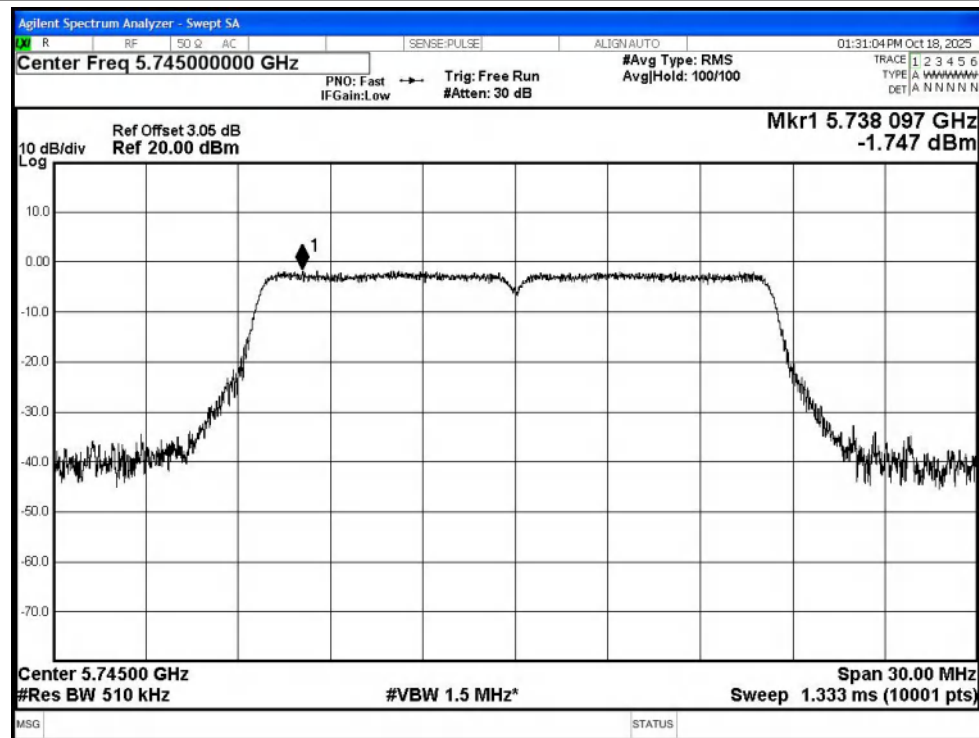
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.98	0	11.98	30	Pass
NVNT	a	5785	Ant1	10.79	0.1	10.89	30	Pass
NVNT	a	5825	Ant1	11.15	0.1	11.25	30	Pass
NVNT	n20	5745	Ant1	12.13	0.12	12.25	30	Pass
NVNT	n20	5785	Ant1	11.01	0.12	11.13	30	Pass
NVNT	n20	5825	Ant1	11.3	0.12	11.42	30	Pass
NVNT	n40	5755	Ant1	11.48	0.24	11.72	30	Pass
NVNT	n40	5795	Ant1	10.41	0.24	10.65	30	Pass
NVNT	ac20	5745	Ant1	12.09	0.12	12.21	30	Pass
NVNT	ac20	5785	Ant1	11	0.12	11.12	30	Pass
NVNT	ac20	5825	Ant1	11.33	0.12	11.45	30	Pass
NVNT	ac40	5755	Ant1	11.56	0.24	11.8	30	Pass
NVNT	ac40	5795	Ant1	10.51	0.24	10.75	30	Pass
NVNT	ac80	5775	Ant1	10.47	0.47	10.94	30	Pass

3. Maximum Power Spectral Density Level

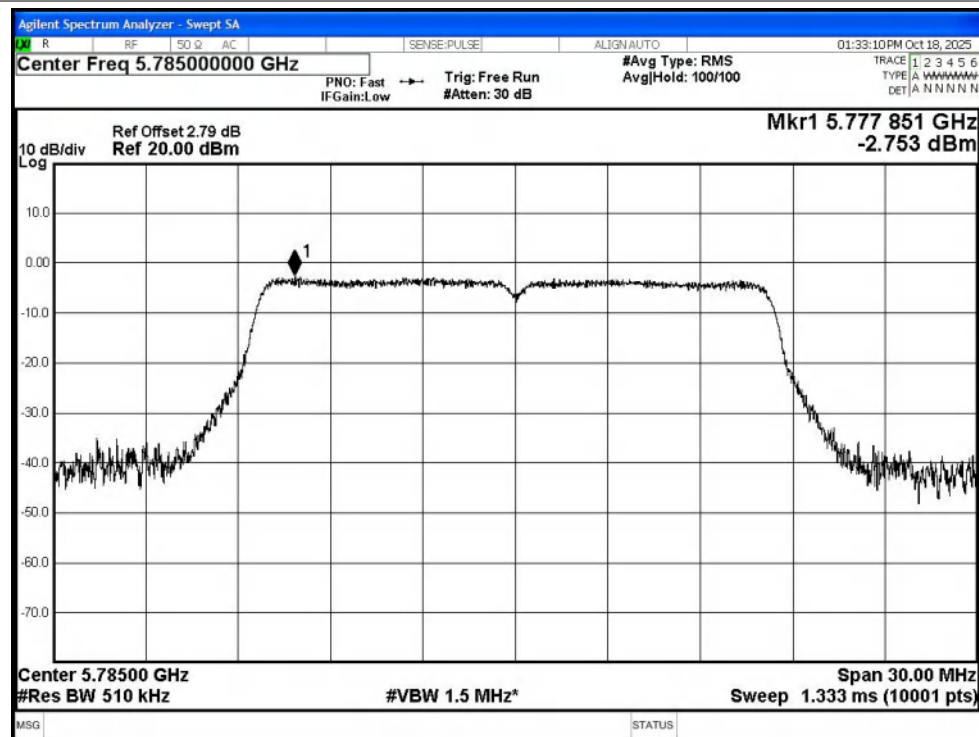
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-1.75	0.1	-1.65	30	Pass
NVNT	a	5785	Ant1	-2.75	0.1	-2.65	30	Pass
NVNT	a	5825	Ant1	-2.5	0.1	-2.4	30	Pass
NVNT	n20	5745	Ant1	-1.54	0.12	-1.42	30	Pass
NVNT	n20	5785	Ant1	-2.79	0.12	-2.67	30	Pass
NVNT	n20	5825	Ant1	-2.57	0.12	-2.45	30	Pass
NVNT	n40	5755	Ant1	-5.41	0.24	-5.17	30	Pass
NVNT	n40	5795	Ant1	-5.77	0.24	-5.53	30	Pass
NVNT	ac20	5745	Ant1	-1.83	0.12	-1.71	30	Pass
NVNT	ac20	5785	Ant1	-2.32	0.12	-2.2	30	Pass
NVNT	ac20	5825	Ant1	-2.58	0.12	-2.46	30	Pass
NVNT	ac40	5755	Ant1	-5.28	0.24	-5.04	30	Pass
NVNT	ac40	5795	Ant1	-5.67	0.24	-5.43	30	Pass
NVNT	ac80	5775	Ant1	-8.67	0.47	-8.2	30	Pass

Test Graphs

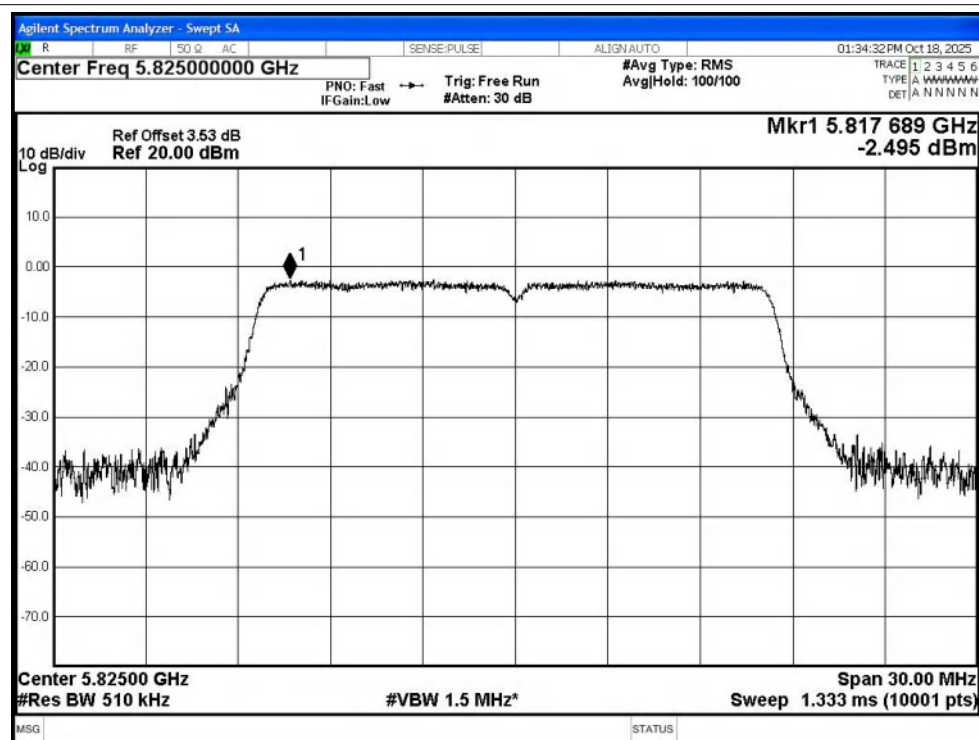
PSD NVNT a 5745MHz Ant1



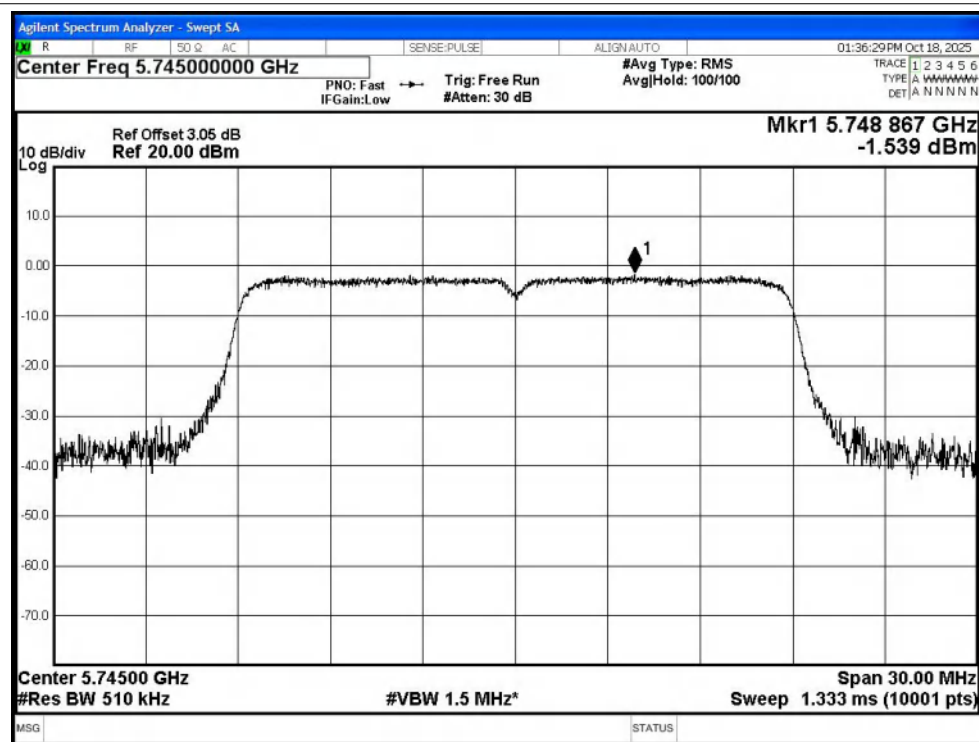
PSD NVNT a 5785MHz Ant1



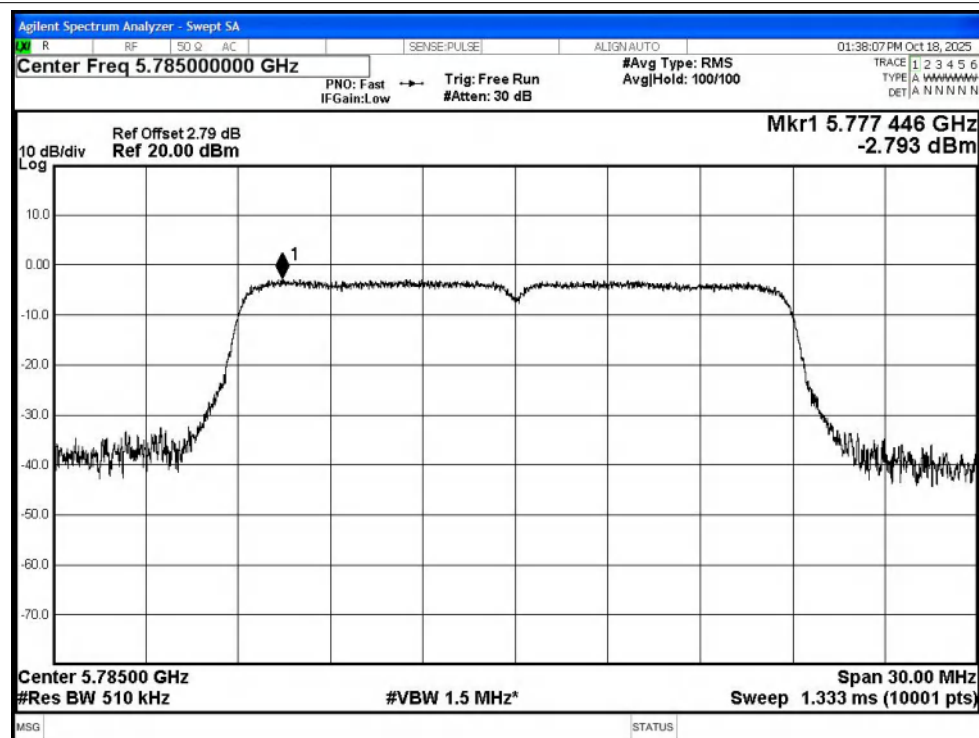
PSD NVNT a 5825MHz Ant1



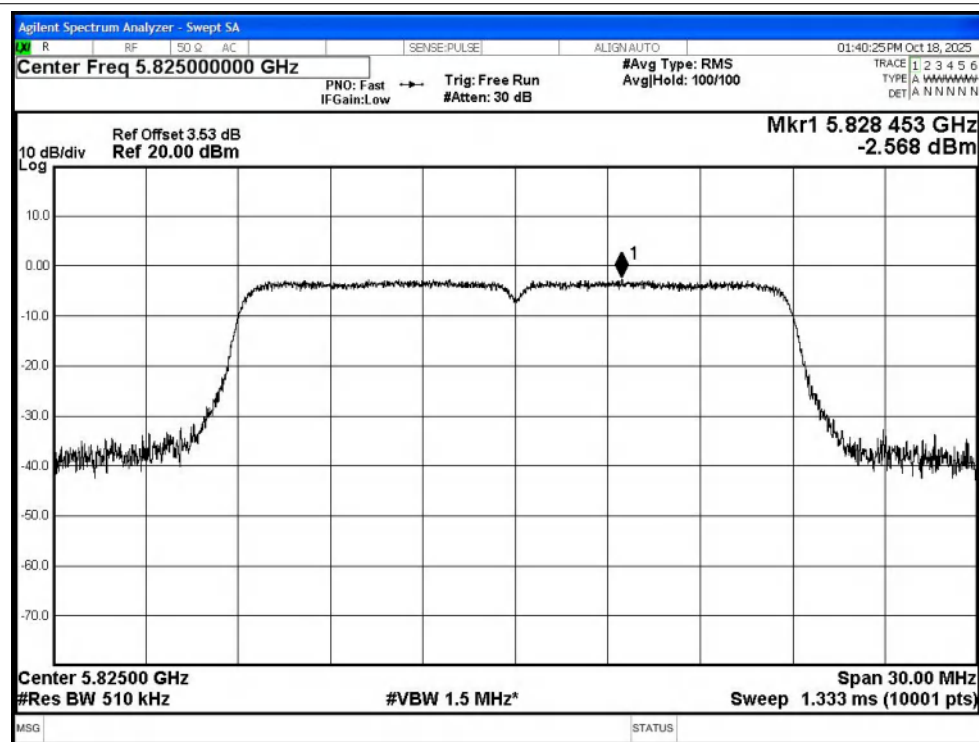
PSD NVNT n20 5745MHz Ant1



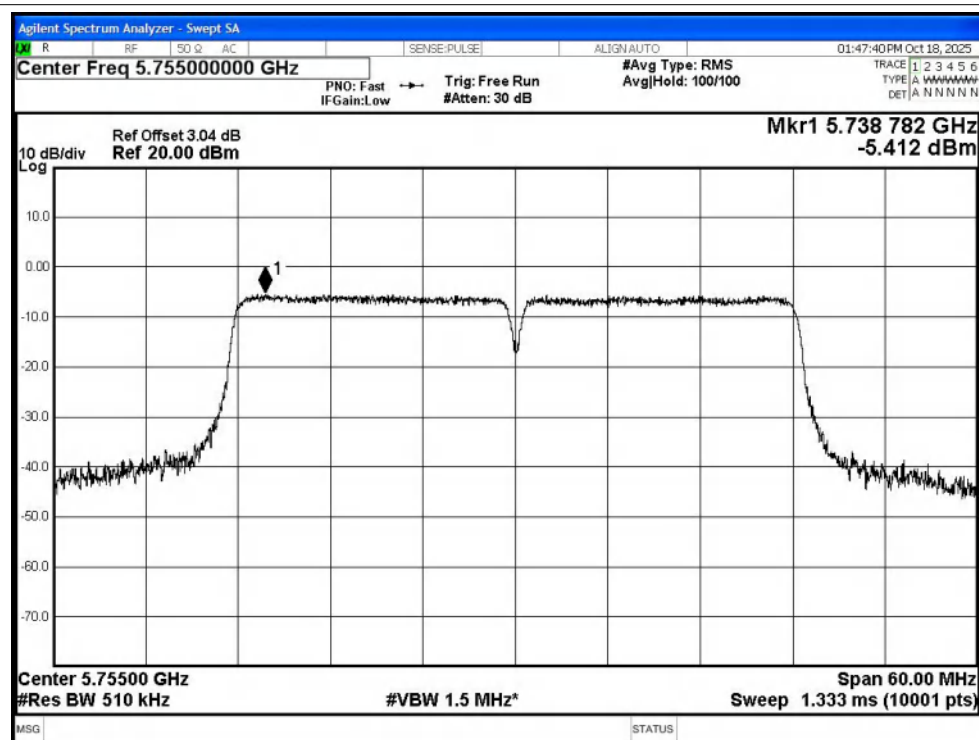
PSD NVNT n20 5785MHz Ant1



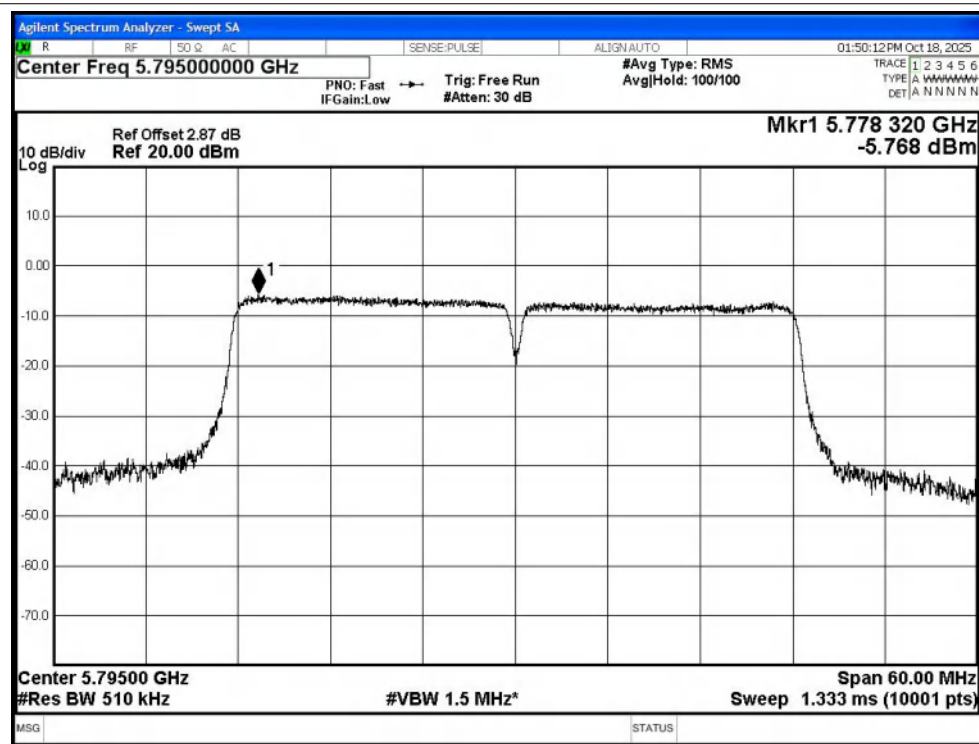
PSD NVNT n20 5825MHz Ant1



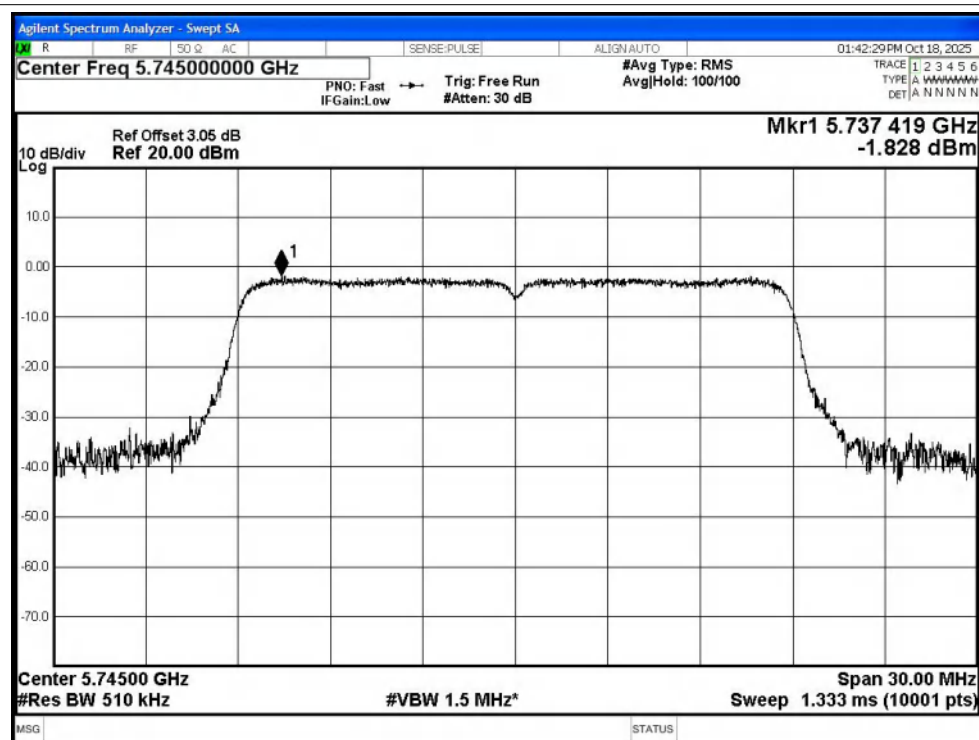
PSD NVNT n40 5755MHz Ant1



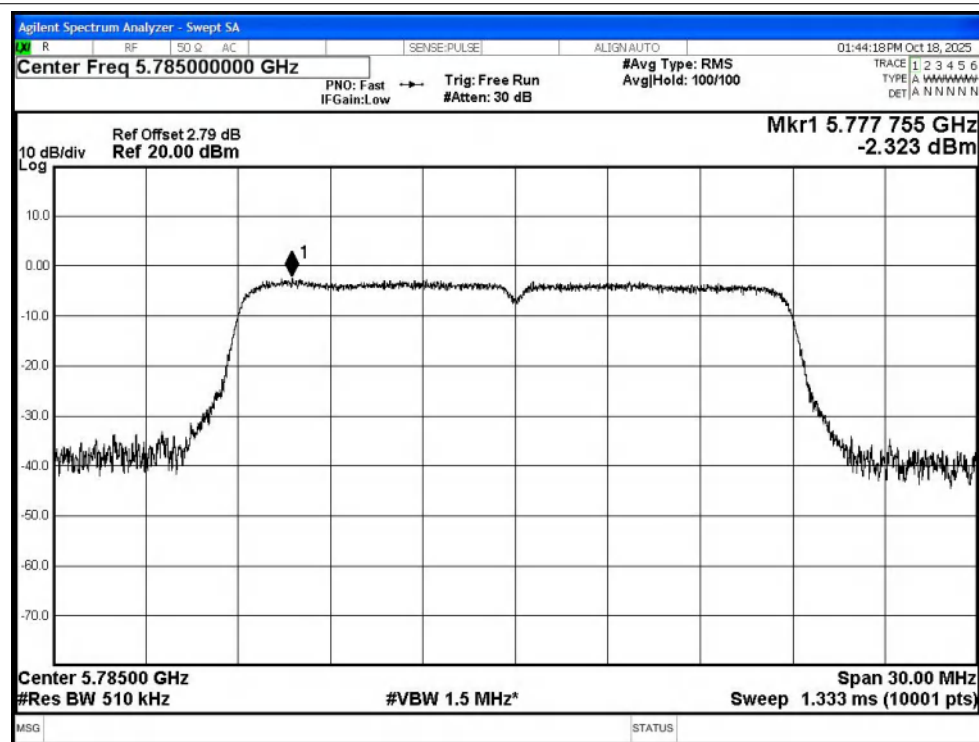
PSD NVNT n40 5795MHz Ant1



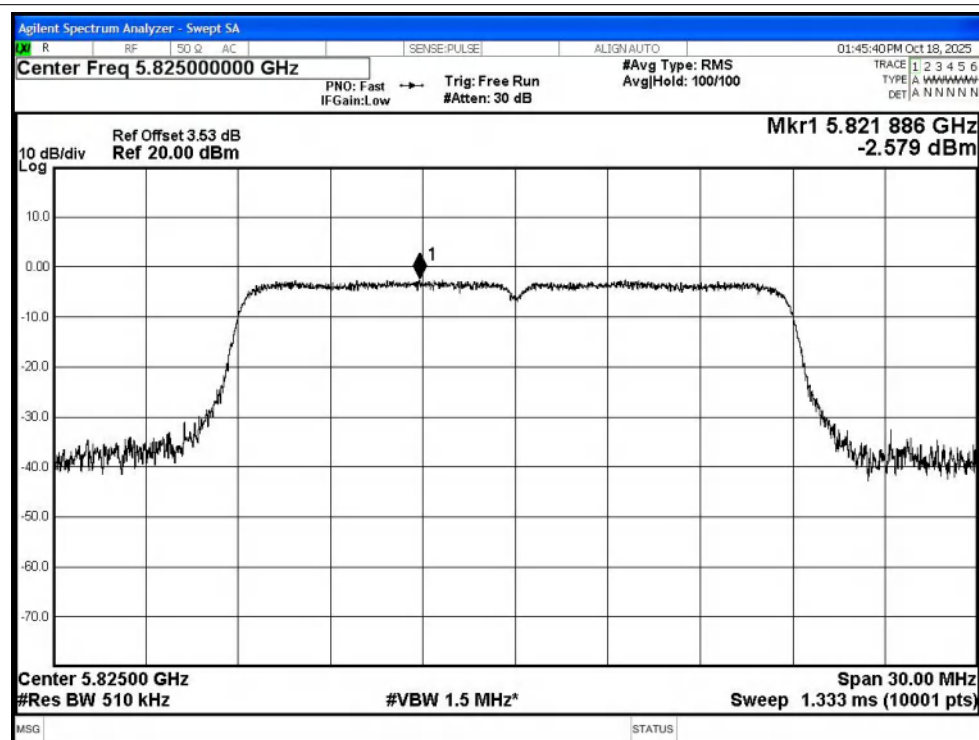
PSD NVNT ac20 5745MHz Ant1



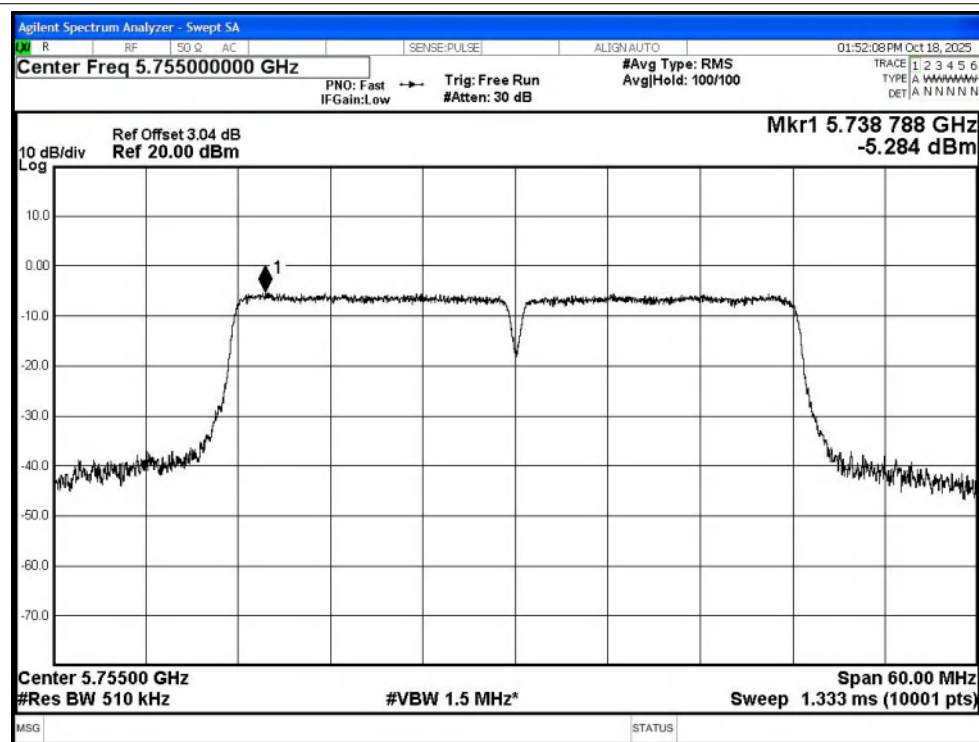
PSD NVNT ac20 5785MHz Ant1



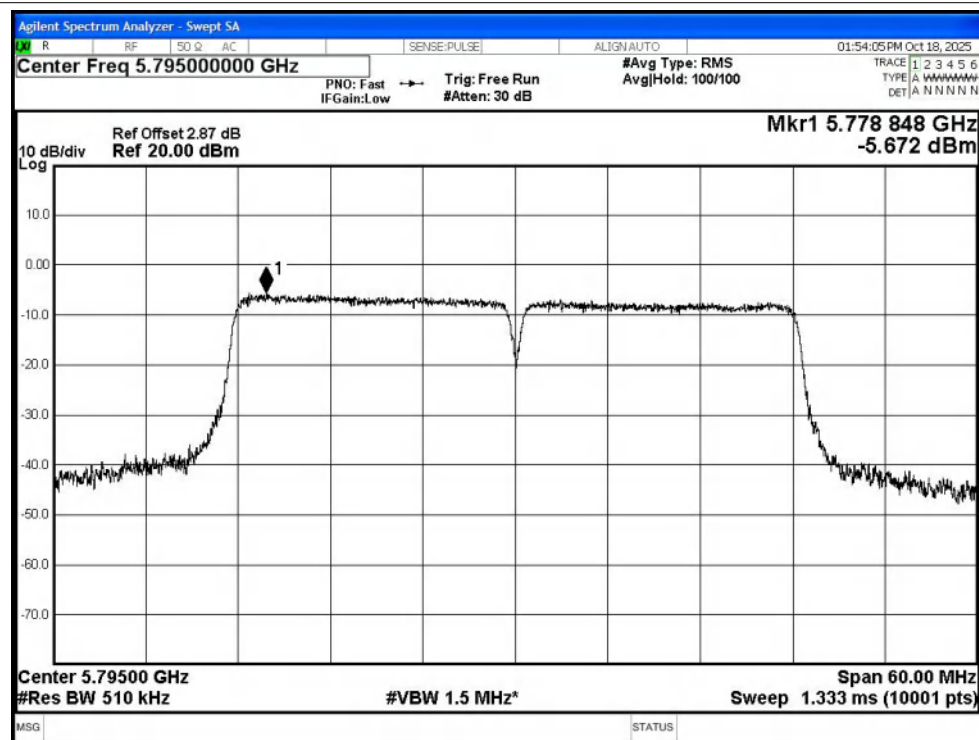
PSD NVNT ac20 5825MHz Ant1



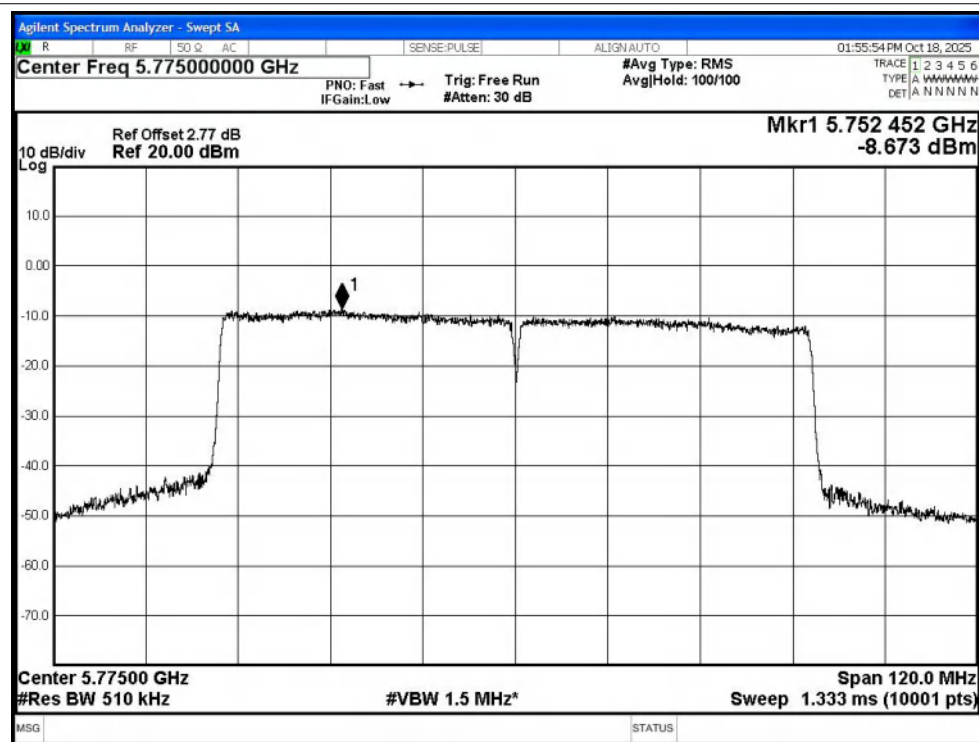
PSD NVNT ac40 5755MHz Ant1



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	-50.28	4.68	-	-45.60	Peak	-27	Pass
NVNT	a	5745	Ant1	5650	-57.38	4.68	0.1	-52.60	Average	-27	Pass
NVNT	a	5745	Ant1	5700	-45.71	4.68	-	-41.03	Peak	10	Pass
NVNT	a	5745	Ant1	5700	-54.79	4.68	0.1	-50.01	Average	10	Pass
NVNT	a	5745	Ant1	5720	-33.83	4.68	-	-29.15	Peak	15.6	Pass
NVNT	a	5745	Ant1	5720	-47.96	4.68	0.1	-43.18	Average	15.6	Pass
NVNT	a	5745	Ant1	5725	-27	4.68	-	-22.32	Peak	27	Pass
NVNT	a	5745	Ant1	5725	-42.57	4.68	0.1	-37.79	Average	27	Pass
NVNT	a	5825	Ant1	5850	-36.95	4.68	-	-32.27	Peak	27	Pass
NVNT	a	5825	Ant1	5850	-48.52	4.68	0.1	-43.74	Average	27	Pass
NVNT	a	5825	Ant1	5855	-33.91	4.68	-	-29.23	Peak	15.6	Pass
NVNT	a	5825	Ant1	5855	-52.11	4.68	0.1	-47.33	Average	15.6	Pass
NVNT	a	5825	Ant1	5875	-47.07	4.68	-	-42.39	Peak	10	Pass
NVNT	a	5825	Ant1	5875	-55.76	4.68	0.1	-50.98	Average	10	Pass
NVNT	a	5825	Ant1	5925	-48.56	4.68	-	-43.88	Peak	-27	Pass
NVNT	a	5825	Ant1	5925	-56.42	4.68	0.1	-51.64	Average	-27	Pass
NVNT	n20	5745	Ant1	5650	-49.14	4.68	-	-44.46	Peak	-27	Pass
NVNT	n20	5745	Ant1	5650	-57.32	4.68	0.12	-52.52	Average	-27	Pass
NVNT	n20	5745	Ant1	5700	-47.98	4.68	-	-43.30	Peak	10	Pass
NVNT	n20	5745	Ant1	5700	-54.51	4.68	0.12	-49.71	Average	10	Pass
NVNT	n20	5745	Ant1	5720	-31.63	4.68	-	-26.95	Peak	15.6	Pass
NVNT	n20	5745	Ant1	5720	-45.45	4.68	0.12	-40.65	Average	15.6	Pass
NVNT	n20	5745	Ant1	5725	-24.25	4.68	-	-19.57	Peak	27	Pass
NVNT	n20	5745	Ant1	5725	-42.18	4.68	0.12	-37.38	Average	27	Pass
NVNT	n20	5825	Ant1	5850	-32.86	4.68	-	-28.18	Peak	27	Pass
NVNT	n20	5825	Ant1	5850	-48.15	4.68	0.12	-43.35	Average	27	Pass
NVNT	n20	5825	Ant1	5855	-40.52	4.68	-	-35.84	Peak	15.6	Pass
NVNT	n20	5825	Ant1	5855	-52.18	4.68	0.12	-47.38	Average	15.6	Pass
NVNT	n20	5825	Ant1	5875	-47.41	4.68	-	-42.73	Peak	10	Pass
NVNT	n20	5825	Ant1	5875	-55.1	4.68	0.12	-50.30	Average	10	Pass
NVNT	n20	5825	Ant1	5925	-48.27	4.68	-	-43.59	Peak	-27	Pass
NVNT	n20	5825	Ant1	5925	-56.55	4.68	0.12	-51.75	Average	-27	Pass
NVNT	n40	5755	Ant1	5650	-50.35	4.68	-	-45.67	Peak	-27	Pass
NVNT	n40	5755	Ant1	5650	-57.27	4.68	0.24	-52.35	Average	-27	Pass
NVNT	n40	5755	Ant1	5700	-44.36	4.68	-	-39.68	Peak	10	Pass
NVNT	n40	5755	Ant1	5700	-52.77	4.68	0.24	-47.85	Average	10	Pass
NVNT	n40	5755	Ant1	5720	-27.84	4.68	-	-23.16	Peak	15.6	Pass
NVNT	n40	5755	Ant1	5720	-44.42	4.68	0.24	-39.50	Average	15.6	Pass
NVNT	n40	5755	Ant1	5725	-28.95	4.68	-	-24.27	Peak	27	Pass

NVNT	n40	5755	Ant1	5725	-39.38	4.68	0.24	-34.46	Average	27	Pass
NVNT	n40	5795	Ant1	5850	-48.01	4.68	-	-43.33	Peak	27	Pass
NVNT	n40	5795	Ant1	5850	-56.54	4.68	0.24	-51.62	Average	27	Pass
NVNT	n40	5795	Ant1	5855	-47.96	4.68	-	-43.28	Peak	15.6	Pass
NVNT	n40	5795	Ant1	5855	-56.65	4.68	0.24	-51.73	Average	15.6	Pass
NVNT	n40	5795	Ant1	5875	-50.3	4.68	-	-45.62	Peak	10	Pass
NVNT	n40	5795	Ant1	5875	-58.17	4.68	0.24	-53.25	Average	10	Pass
NVNT	n40	5795	Ant1	5925	-49.55	4.68	-	-44.87	Peak	-27	Pass
NVNT	n40	5795	Ant1	5925	-57.84	4.68	0.24	-52.92	Average	-27	Pass
NVNT	ac20	5745	Ant1	5650	-49.77	4.68	-	-45.09	Peak	-27	Pass
NVNT	ac20	5745	Ant1	5650	-57.24	4.68	0.12	-52.44	Average	-27	Pass
NVNT	ac20	5745	Ant1	5700	-47.54	4.68	-	-42.86	Peak	10	Pass
NVNT	ac20	5745	Ant1	5700	-54.95	4.68	0.12	-50.15	Average	10	Pass
NVNT	ac20	5745	Ant1	5720	-29.93	4.68	-	-25.25	Peak	15.6	Pass
NVNT	ac20	5745	Ant1	5720	-44.47	4.68	0.12	-39.67	Average	15.6	Pass
NVNT	ac20	5745	Ant1	5725	-23.69	4.68	-	-19.01	Peak	27	Pass
NVNT	ac20	5745	Ant1	5725	-37.52	4.68	0.12	-32.72	Average	27	Pass
NVNT	ac20	5825	Ant1	5850	-30.96	4.68	-	-26.28	Peak	27	Pass
NVNT	ac20	5825	Ant1	5850	-44.2	4.68	0.12	-39.40	Average	27	Pass
NVNT	ac20	5825	Ant1	5855	-37.15	4.68	-	-32.47	Peak	15.6	Pass
NVNT	ac20	5825	Ant1	5855	-51.41	4.68	0.12	-46.61	Average	15.6	Pass
NVNT	ac20	5825	Ant1	5875	-47	4.68	-	-42.32	Peak	10	Pass
NVNT	ac20	5825	Ant1	5875	-55.37	4.68	0.12	-50.57	Average	10	Pass
NVNT	ac20	5825	Ant1	5925	-47.66	4.68	-	-42.98	Peak	-27	Pass
NVNT	ac20	5825	Ant1	5925	-56.3	4.68	0.12	-51.50	Average	-27	Pass
NVNT	ac40	5755	Ant1	5650	-49.09	4.68	-	-44.41	Peak	-27	Pass
NVNT	ac40	5755	Ant1	5650	-57.5	4.68	0.24	-52.58	Average	-27	Pass
NVNT	ac40	5755	Ant1	5700	-43.63	4.68	-	-38.95	Peak	10	Pass
NVNT	ac40	5755	Ant1	5700	-52.63	4.68	0.24	-47.71	Average	10	Pass
NVNT	ac40	5755	Ant1	5720	-29.54	4.68	-	-24.86	Peak	15.6	Pass
NVNT	ac40	5755	Ant1	5720	-43.35	4.68	0.24	-38.43	Average	15.6	Pass
NVNT	ac40	5755	Ant1	5725	-23.14	4.68	-	-18.46	Peak	27	Pass
NVNT	ac40	5755	Ant1	5725	-41.98	4.68	0.24	-37.06	Average	27	Pass
NVNT	ac40	5795	Ant1	5850	-46	4.68	-	-41.32	Peak	27	Pass
NVNT	ac40	5795	Ant1	5850	-55.7	4.68	0.24	-50.78	Average	27	Pass
NVNT	ac40	5795	Ant1	5855	-46.53	4.68	-	-41.85	Peak	15.6	Pass
NVNT	ac40	5795	Ant1	5855	-55.93	4.68	0.24	-51.01	Average	15.6	Pass
NVNT	ac40	5795	Ant1	5875	-49.22	4.68	-	-44.54	Peak	10	Pass
NVNT	ac40	5795	Ant1	5875	-57.59	4.68	0.24	-52.67	Average	10	Pass
NVNT	ac40	5795	Ant1	5925	-49.08	4.68	-	-44.40	Peak	-27	Pass
NVNT	ac40	5795	Ant1	5925	-57.75	4.68	0.24	-52.83	Average	-27	Pass
NVNT	ac80	5775	Ant1	5650	-48.52	4.68	-	-43.84	Peak	-27	Pass
NVNT	ac80	5775	Ant1	5650	-56.51	4.68	0.47	-51.36	Average	-27	Pass
NVNT	ac80	5775	Ant1	5700	-41.69	4.68	-	-37.01	Peak	10	Pass

NVNT	ac80	5775	Ant1	5700	-49.84	4.68	0.47	-44.69	Average	10	Pass
NVNT	ac80	5775	Ant1	5720	-31.28	4.68	-	-26.60	Peak	15.6	Pass
NVNT	ac80	5775	Ant1	5720	-44.64	4.68	0.47	-39.49	Average	15.6	Pass
NVNT	ac80	5775	Ant1	5725	-31.86	4.68	-	-27.18	Peak	27	Pass
NVNT	ac80	5775	Ant1	5725	-43.25	4.68	0.47	-38.10	Average	27	Pass
NVNT	ac80	5775	Ant1	5850	-38.99	4.68	-	-34.31	Peak	27	Pass
NVNT	ac80	5775	Ant1	5850	-48.28	4.68	0.47	-43.13	Average	27	Pass
NVNT	ac80	5775	Ant1	5855	-38.07	4.68	-	-33.39	Peak	15.6	Pass
NVNT	ac80	5775	Ant1	5855	-48.86	4.68	0.47	-43.71	Average	15.6	Pass
NVNT	ac80	5775	Ant1	5875	-43.71	4.68	-	-39.03	Peak	10	Pass
NVNT	ac80	5775	Ant1	5875	-53.75	4.68	0.47	-48.60	Average	10	Pass
NVNT	ac80	5775	Ant1	5925	-50.37	4.68	-	-45.69	Peak	-27	Pass
NVNT	ac80	5775	Ant1	5925	-57.41	4.68	0.47	-52.26	Average	-27	Pass

[illegible][illegible]

Restrict Band NVNT n20 5825MHz Ant1 Peak

Agilent Spectrum Analyzer - Swept SA

Center Freq **5.865000000 GHz**

Ref Offset **3.53 dB**
Ref **20.00 dBm**

Mkr1 **5.820 36 GHz**
7.867 dBm

Start **5.80500 GHz**
#Res BW **1.0 MHz**

Stop **5.92500 GHz**
Sweep **1.000 ms (1001 pts)**

#VBW **3.0 MHz**

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.820 36 GHz	7.867 dBm			
2	N		f	5.850 00 GHz	-32.857 dBm			
3	N		f	5.855 00 GHz	-40.517 dBm			
4	N		f	5.875 00 GHz	-47.414 dBm			
5	N		f	5.925 00 GHz	-48.269 dBm			

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.865000000 GHz

PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB

#Avg Type: RMS Avg/Hold: 100/100

01:40:52 PM Oct 18, 2005

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

Ref Offset 3.53 dB
Ref 20.00 dBm

Mkr1 5.817 84 GHz
-0.532 dBm

10 dB/div
Log

Start 5.80500 GHz
#Res BW 1.0 MHz

#VBW 3.0 MHz*

Stop 5.92500 GHz
Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.817 84 GHz	-0.532 dBm			
2	N		f	5.850 00 GHz	-48.152 dBm			
3	N		f	5.855 00 GHz	-52.178 dBm			
4	N		f	5.875 00 GHz	-55.097 dBm			
5	N		f	5.925 00 GHz	-56.552 dBm			
6								
7								
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11								

MSG

FUNCTION

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.722500000 GHz

PNO: Fast IFGain: Low Trig: Free Run #Atten: 30 dB

#Avg Type: RMS Avg|Hold: 100/100

01:48:03 PM Oct 18, 2025

Ref Offset 3.04 dB Ref 20.00 dBm

Mkr1 5.739 755 GHz 5.645 dBm

Start 5.65000 GHz Stop 5.79500 GHz

#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)

MKR	MODE	FREQ	POWER	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	5.739 755 GHz	-50.353 dBm		
2	N	f	5.650 000 GHz	-44.362 dBm		
3	N	f	5.700 000 GHz	-27.842 dBm		
4	N	f	5.720 000 GHz	-28.953 dBm		
5	N	f	5.725 000 GHz			
6						
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[illegible]

[illegible]

Agilent Spectrum Analyzer - Swept SA

R RF SO Q AC SENSE:PULSE ALIGN:AUTO 01:57:31 PM Oct 18, 2025

Center Freq 5.81000000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS Avg/Hold: 100/100

Ref Offset 2.77 dB Ref 20.00 dBm Mkr1 5.748 13 GHz -5.991 dBm

10 dB/div Log

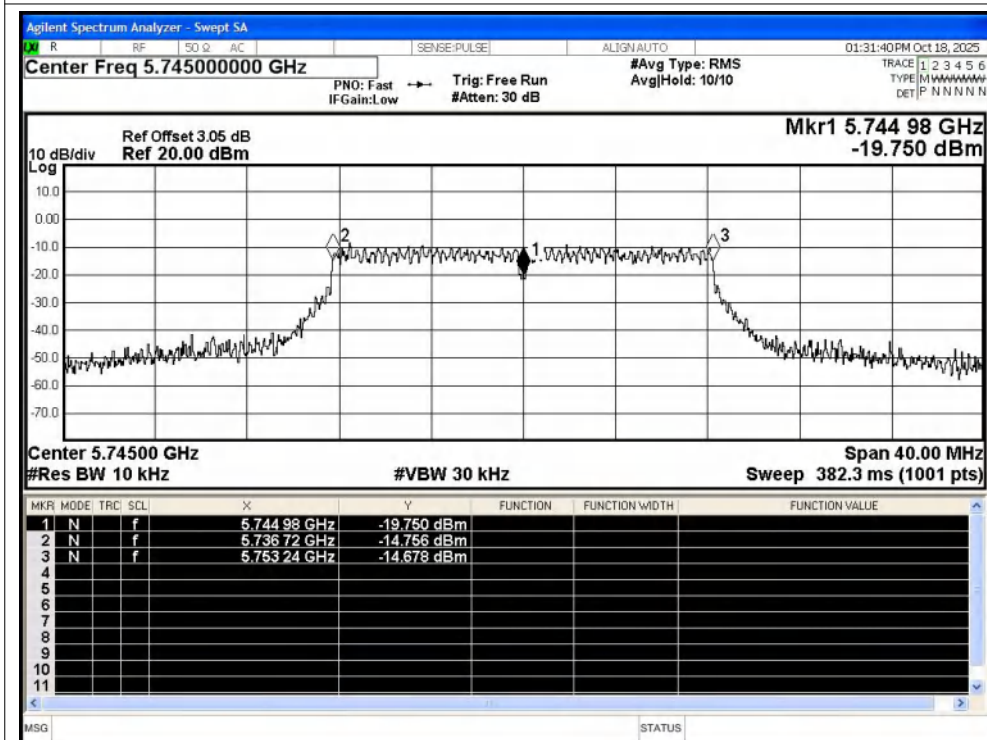
Start 5.6950 GHz Stop 5.9250 GHz
#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)

MKR MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	5.748 13 GHz	-5.991 dBm			
2	N	f	5.850 00 GHz	-48.276 dBm			
3	N	f	5.855 00 GHz	-48.863 dBm			
4	N	f	5.875 00 GHz	-53.746 dBm			
5	N	f	5.925 00 GHz	-57.410 dBm			

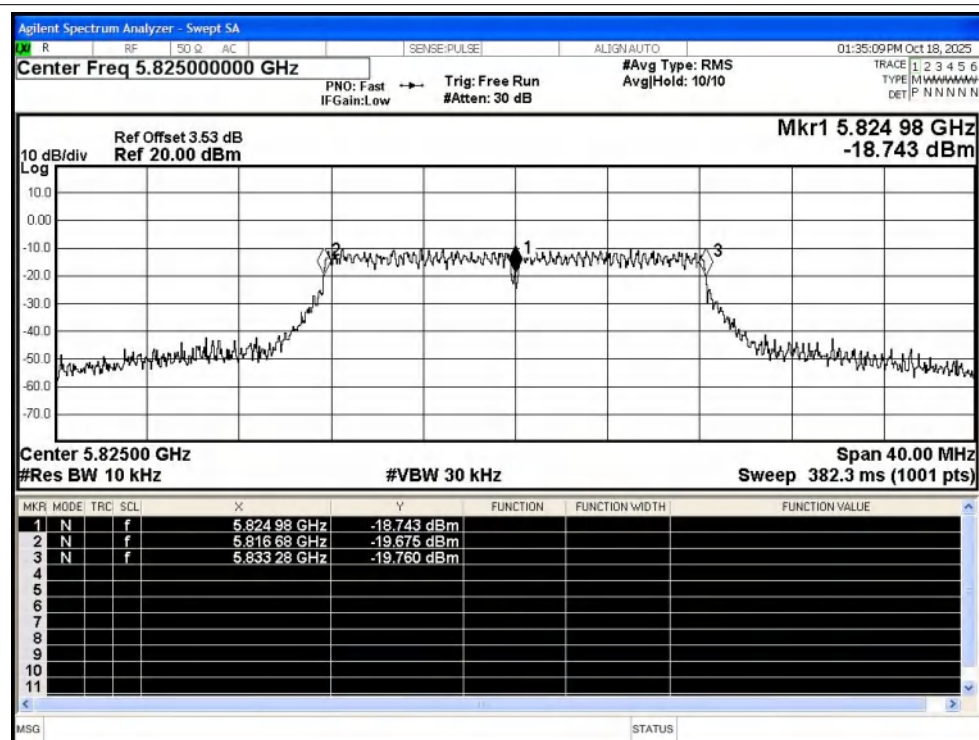
5. Frequency Stability

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	5824.98	-20000	-3.43	25	Pass
NVNT	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
NVNT	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
NVNT	n20	5825	Ant1	5825	0	0	25	Pass
NVNT	n40	5755	Ant1	5755	0	0	25	Pass
NVNT	n40	5795	Ant1	5795	0	0	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	5825	0	0	25	Pass
NVNT	ac40	5755	Ant1	5755	0	0	25	Pass
NVNT	ac40	5795	Ant1	5795	0	0	25	Pass
NVNT	ac80	5775	Ant1	5774.92	-80000	-13.85	25	Pass

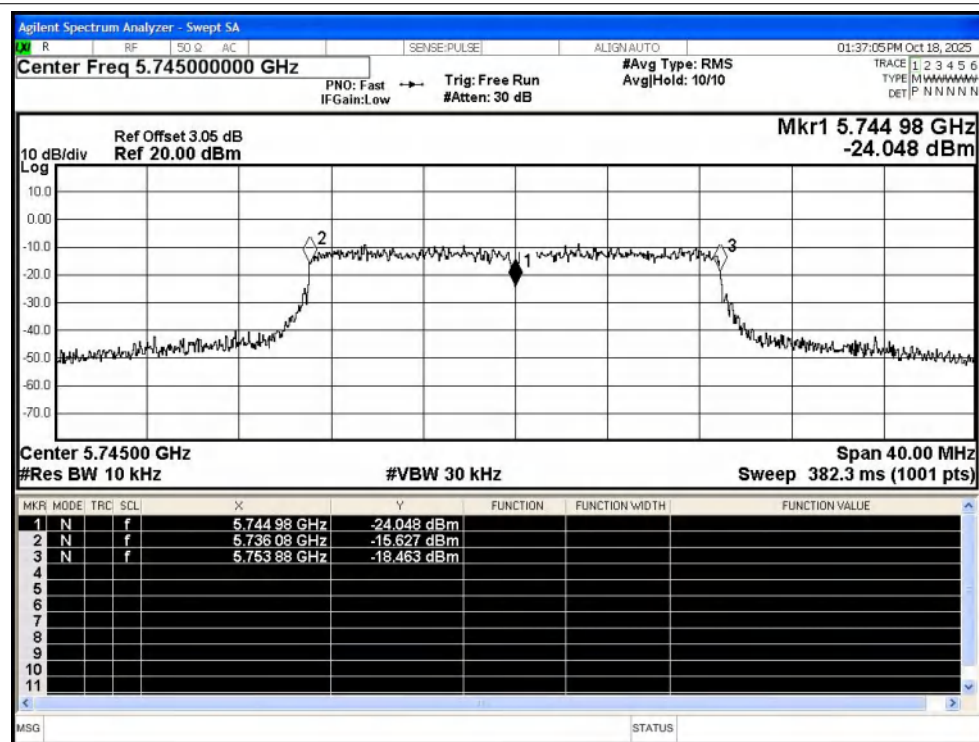
Freq. Stability NVNT a 5745MHz Ant1

[illegible]

Freq. Stability NVNT a 5825MHz Ant1



Freq. Stability NVNT n20 5745MHz Ant1



[illegible][illegible]

NR	MODE	TRC	SQL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.755 00 GHz	-24.232 dBm			
2	N		f	5.796 76 GHz	-17.308 dBm			
3	N		f	5.773 24 GHz	-20.664 dBm			
4								
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7								
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9								
10								
11								

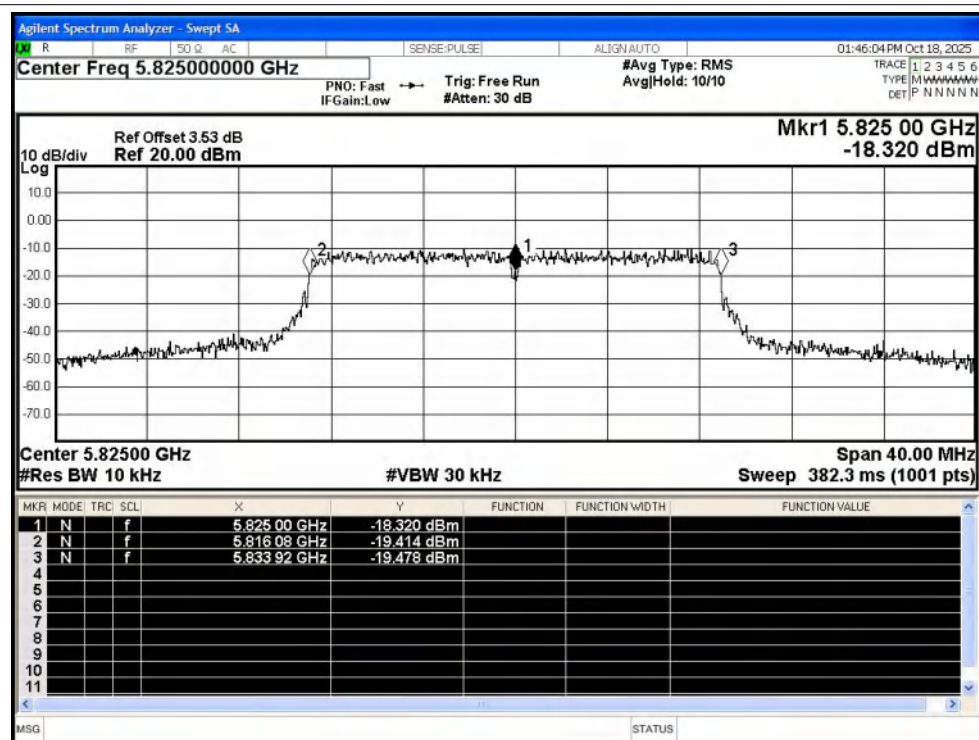
[illegible]

Freq. Stability NVNT ac20 5745MHz Ant1

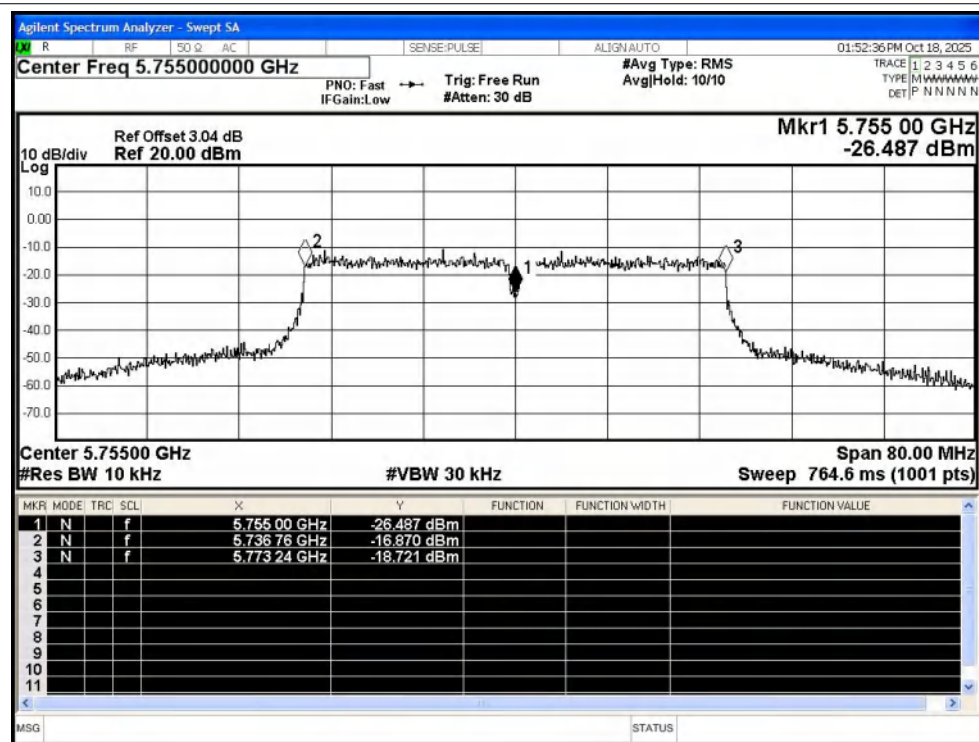
Agilent Spectrum Analyzer - Swept SA
R RF SO Q AC SENSE-PULSE ALIGN-AUTO 01:42:53 PM Oct 18, 2025
Center Freq 5.745000000 GHz PNO: Fast IFGain: Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS AvgHold: 10/10 TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET P N N N N N N
Ref Offset 3.05 dB Ref 20.00 dBm Mkr1 5.744 98 GHz -20.406 dBm
10 dB/div Log
Center 5.74500 GHz Span 40.00 MHz
#Res BW 10 kHz #VBW 30 kHz Sweep 382.3 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N f 5.744 98 GHz -20.406 dBm
2 N f 5.736 08 GHz -17.676 dBm
3 N f 5.753 88 GHz -16.042 dBm
4
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MSG STATUS

[illegible]

Freq. Stability NVNT ac20 5825MHz Ant1



Freq. Stability NVNT ac40 5755MHz Ant1



[illegible]

Agilent Spectrum Analyzer - Swept SA

R RF SO Q AC SENSE-PULSE ALIGN AUTO 01:56:29 PM Oct 18, 2025

Center Freq 5.77500000 GHz #Avg Type: RMS
PNO: Fast IF Gain: Low Trig: Free Run AvgHold: 10/10
#Atten: 30 dB

Ref Offset 2.77 dB
Ref 20.00 dBm

Mkr1 5.774 92 GHz
-29.384 dBm

MRK	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.774 92 GHz	-29.384 dBm			
2	N		f	5.736 76 GHz	-19.129 dBm			
3	N		f	5.813 08 GHz	-21.592 dBm			
4								
5								
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7								
8								
9								
10								
11								

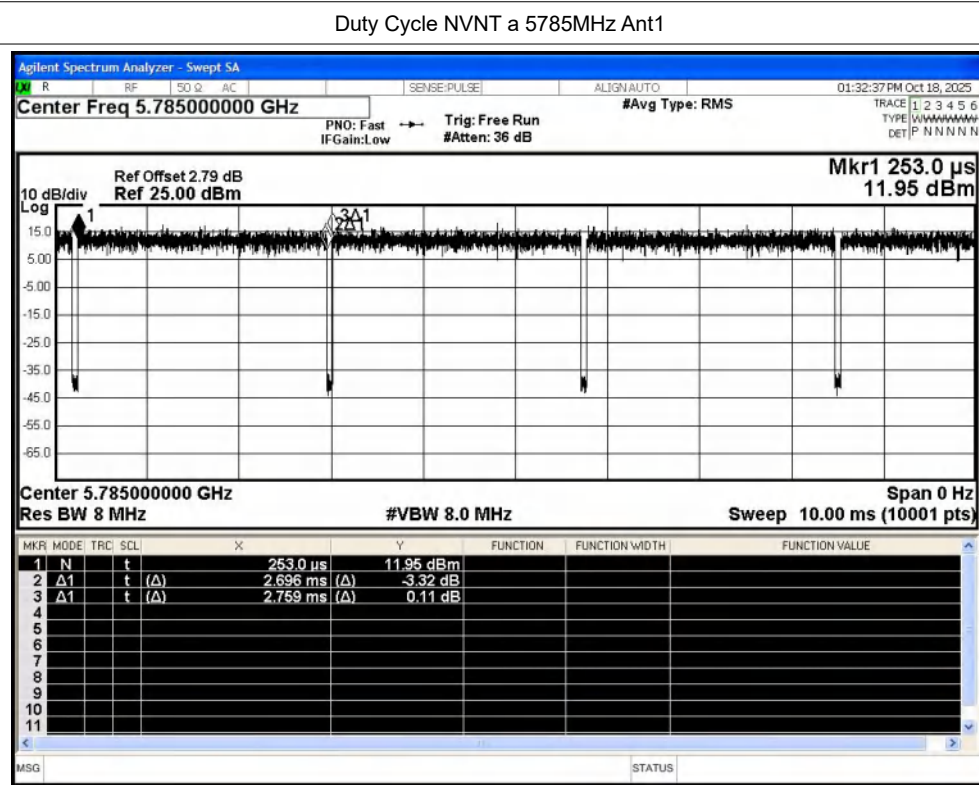
Center 5.77500 GHz Span 160.0 MHz
#Res BW 10 kHz #VBW 30 kHz Sweep 1.529 s (1001 pts)

MSG STATUS

6. Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.72	0.1	0.37
NVNT	a	5785	Ant1	97.72	0.1	0.37
NVNT	a	5825	Ant1	97.75	0.1	0.37
NVNT	n20	5745	Ant1	97.29	0.12	0.44
NVNT	n20	5785	Ant1	97.29	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	89.65	0.47	1.86

Duty Cycle NVNT a 5745MHz Ant1



[illegible][illegible]

[illegible]

Duty Cycle NVNT n20 5825MHz Ant1

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.825000000 GHz #Avg Type: RMS 01:39:52 PM Oct 18, 2025

Ref Offset 3.53 dB Ref 25.00 dBm Mkr1 1.550 ms 12.40 dBm

PN0: Fast IF Gain: Low Trig: Free Run #Atten: 36 dB

Center 5.825000000 GHz Span 0 Hz Res BW 8 MHz #VBW 8.0 MHz Sweep 10.00 ms (10001 pts)

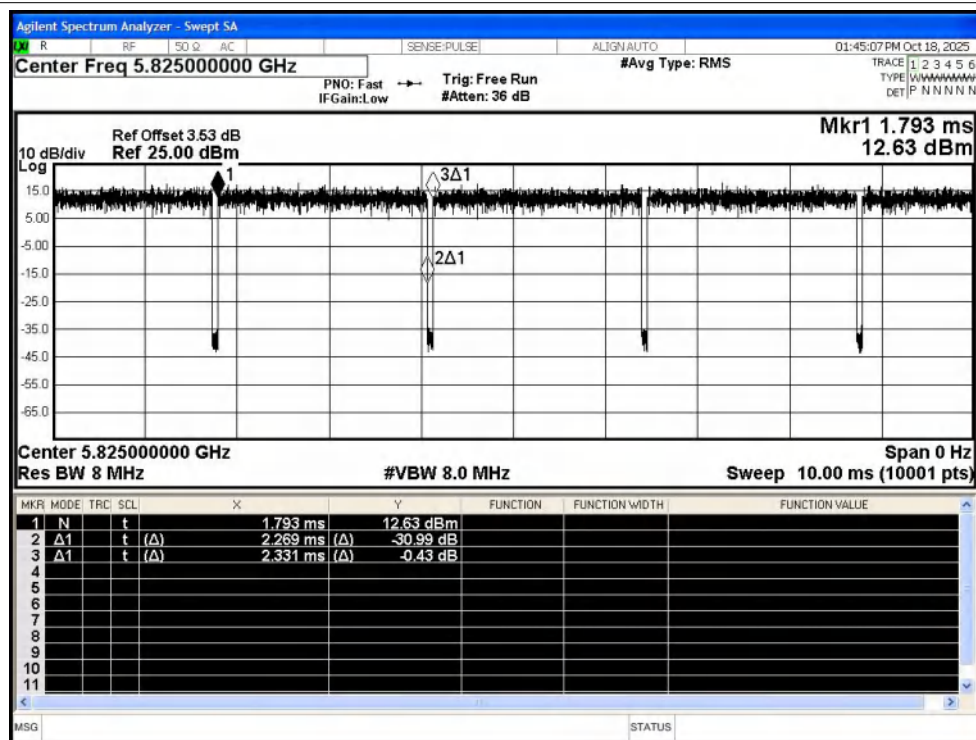
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		t	1.550 ms	12.40 dBm			
2	Δ1		t (Δ)	2.261 ms (Δ)	-3.73 dB			
3	Δ1		t (Δ)	2.324 ms (Δ)	-0.54 dB			
4								
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10								
11								

MSG STATUS

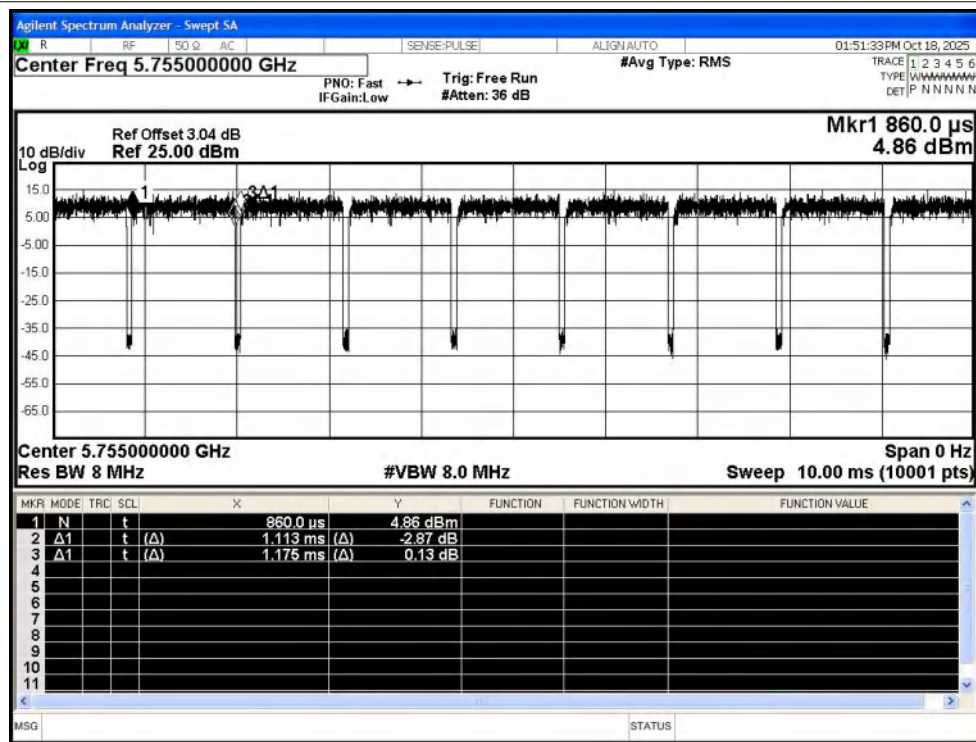
[illegible][illegible]

[illegible][illegible]

Duty Cycle NVNT ac20 5825MHz Ant1



Duty Cycle NVNT ac40 5755MHz Ant1



[illegible][illegible]