

FCC Appendix RF Test Data for 5.8GWIFI

Product Name: Automotive Diagnostic Tool

Test Model: VD700

Environmental Conditions

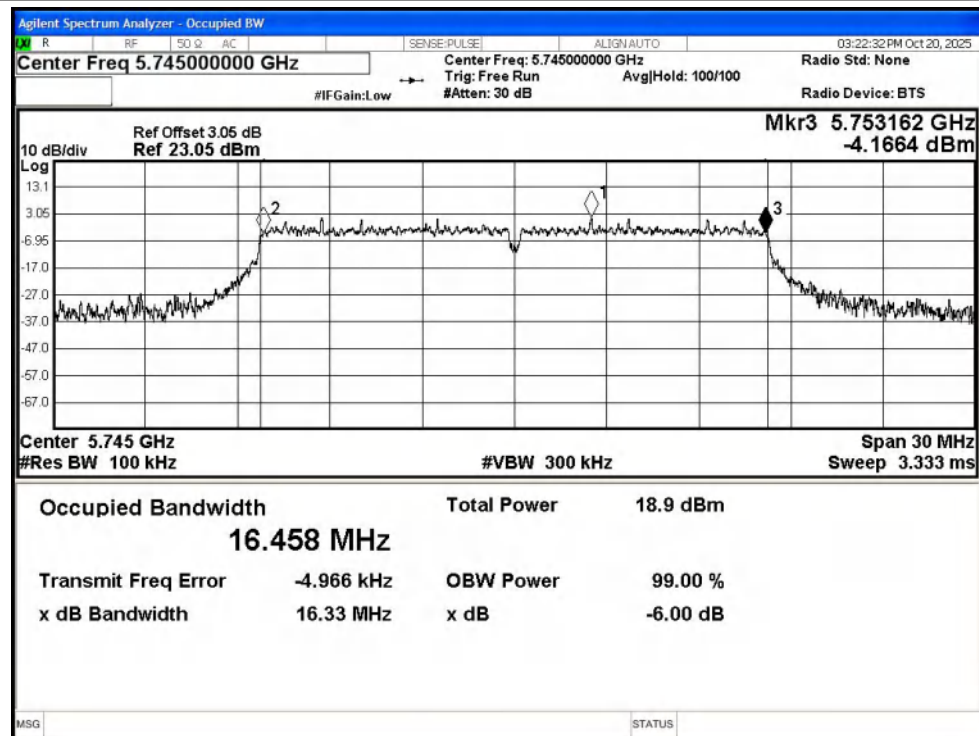
Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

1. -6dB Bandwidth

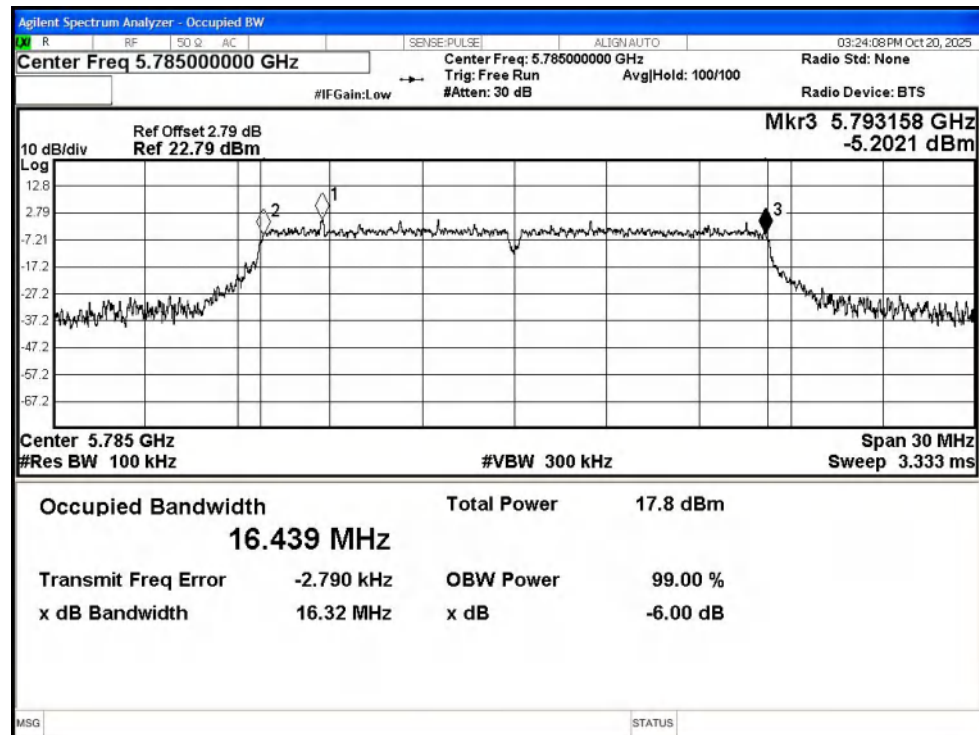
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.333	≥ 0.5	Pass
NVNT	a	5785	Ant1	16.322	≥ 0.5	Pass
NVNT	a	5825	Ant1	16.335	≥ 0.5	Pass
NVNT	n20	5745	Ant1	17.403	≥ 0.5	Pass
NVNT	n20	5785	Ant1	17.263	≥ 0.5	Pass
NVNT	n20	5825	Ant1	17.374	≥ 0.5	Pass
NVNT	n40	5755	Ant1	36.409	≥ 0.5	Pass
NVNT	n40	5795	Ant1	36.147	≥ 0.5	Pass
NVNT	ac20	5745	Ant1	17.435	≥ 0.5	Pass
NVNT	ac20	5785	Ant1	17.31	≥ 0.5	Pass
NVNT	ac20	5825	Ant1	17.249	≥ 0.5	Pass
NVNT	ac40	5755	Ant1	36.026	≥ 0.5	Pass
NVNT	ac40	5795	Ant1	36.199	≥ 0.5	Pass
NVNT	ac80	5775	Ant1	75.203	≥ 0.5	Pass

Test Graphs

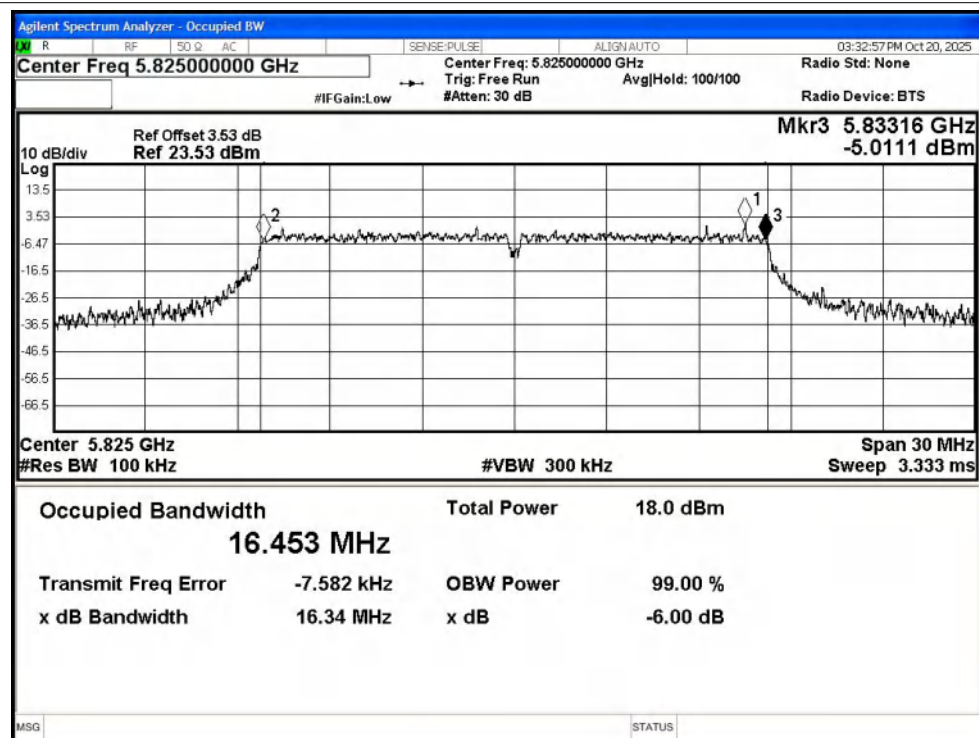
-6dB Bandwidth NVNT a 5745MHz Ant1



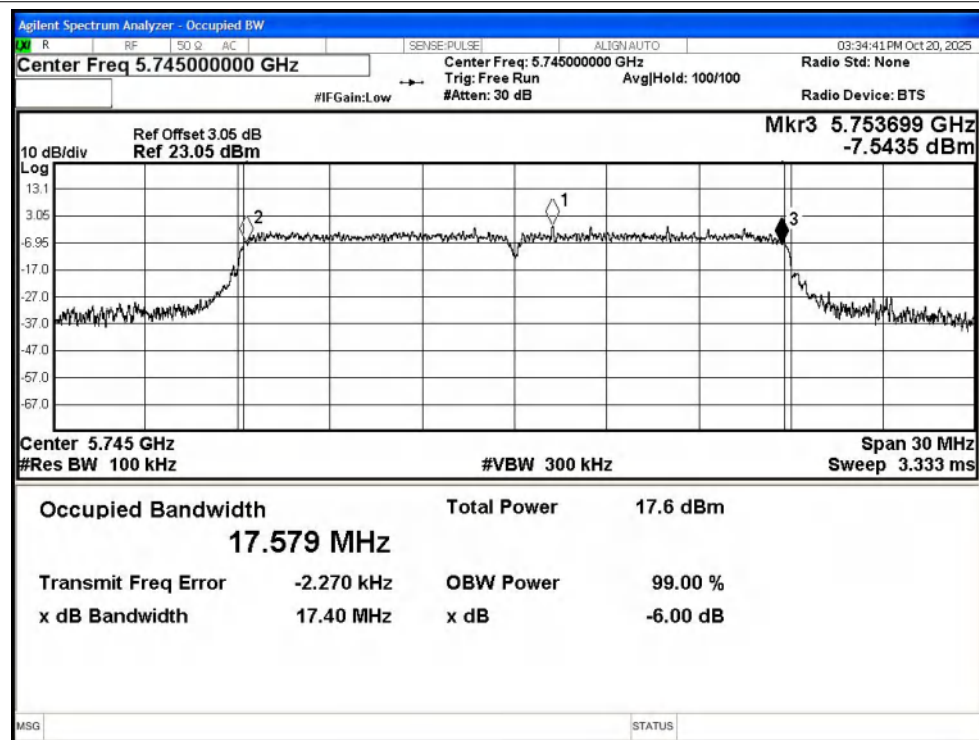
-6dB Bandwidth NVNT a 5785MHz Ant1



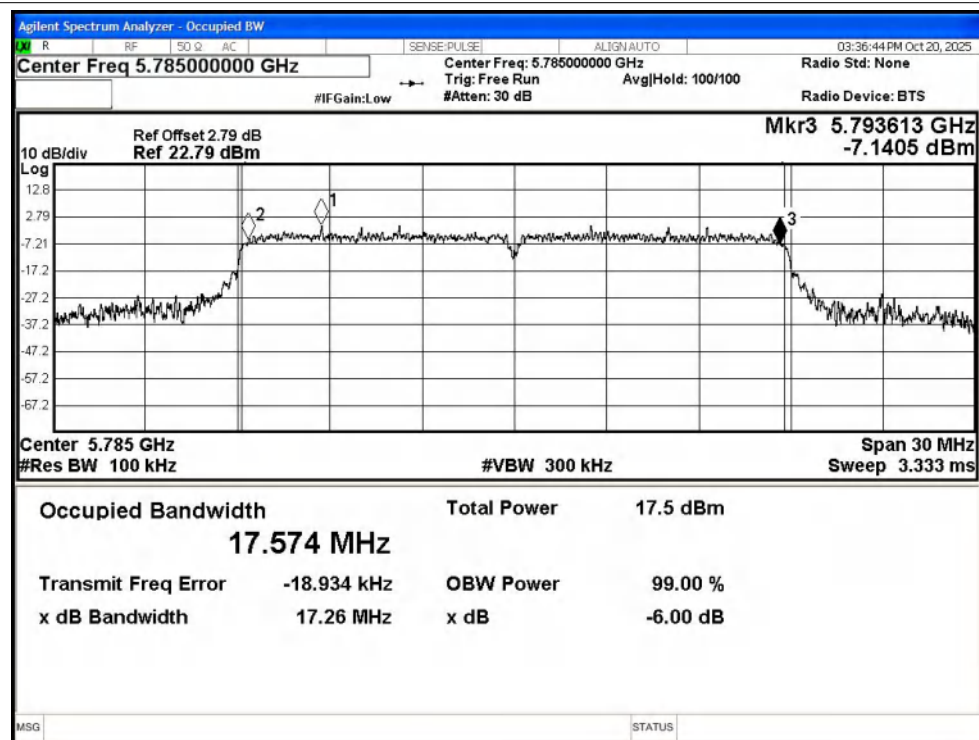
-6dB Bandwidth NVNT a 5825MHz Ant1



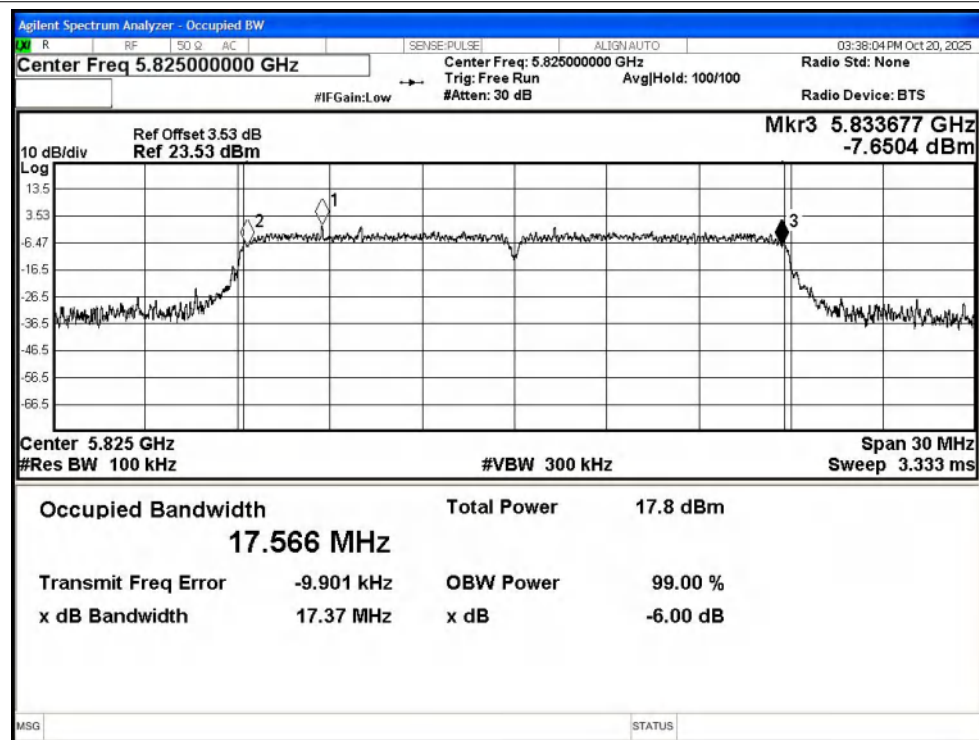
-6dB Bandwidth NVNT n20 5745MHz Ant1



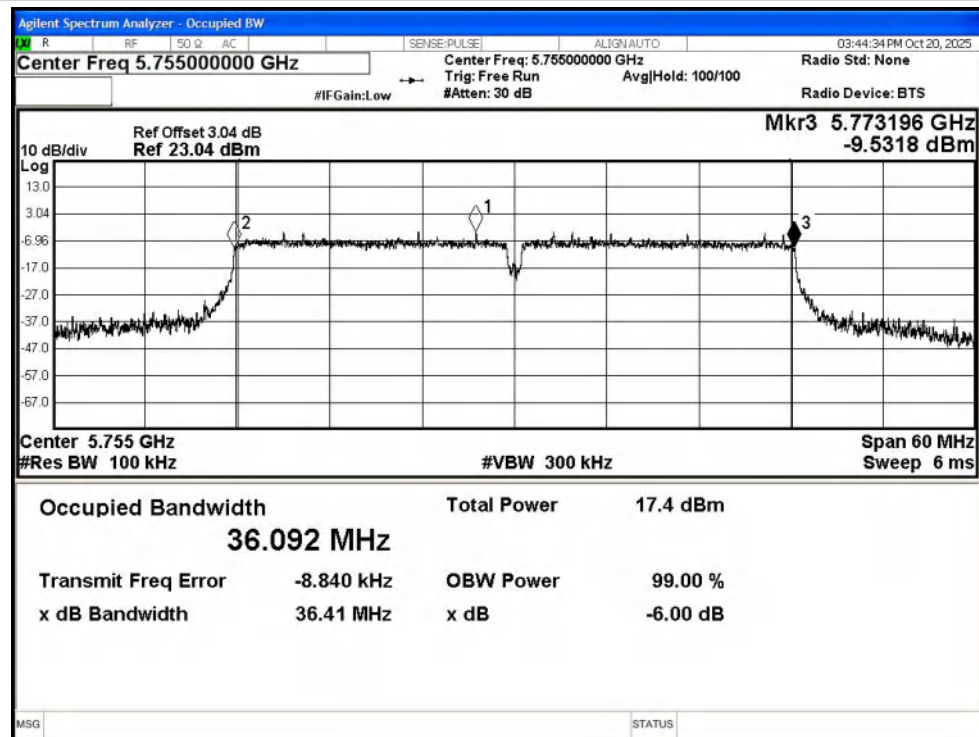
-6dB Bandwidth NVNT n20 5785MHz Ant1



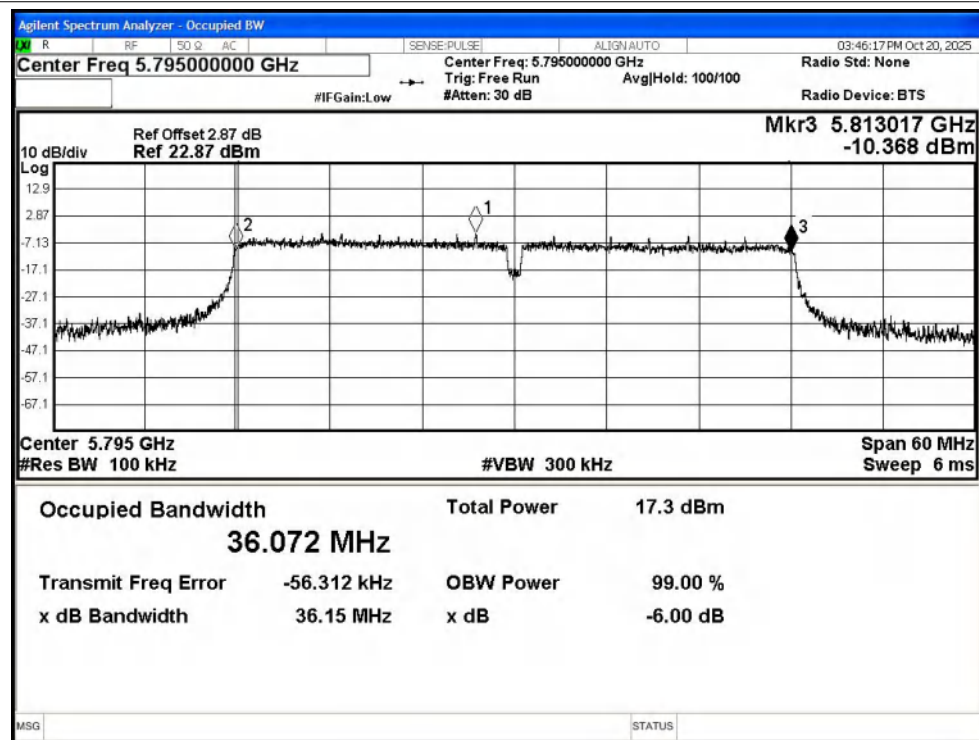
-6dB Bandwidth NVNT n20 5825MHz Ant1



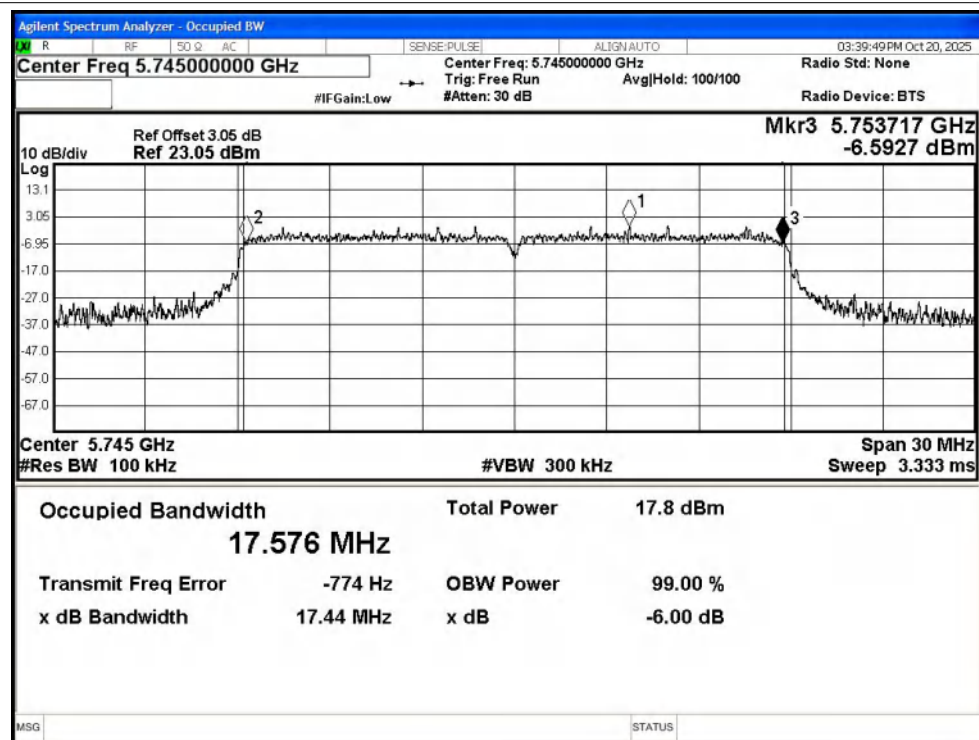
-6dB Bandwidth NVNT n40 5755MHz Ant1



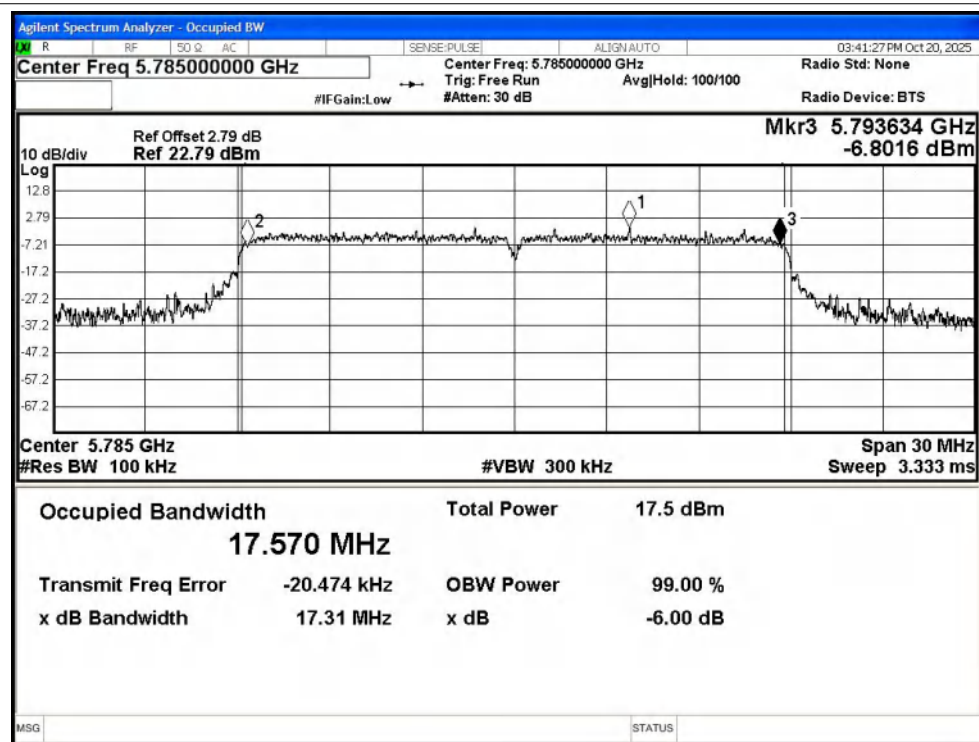
-6dB Bandwidth NVNT n40 5795MHz Ant1



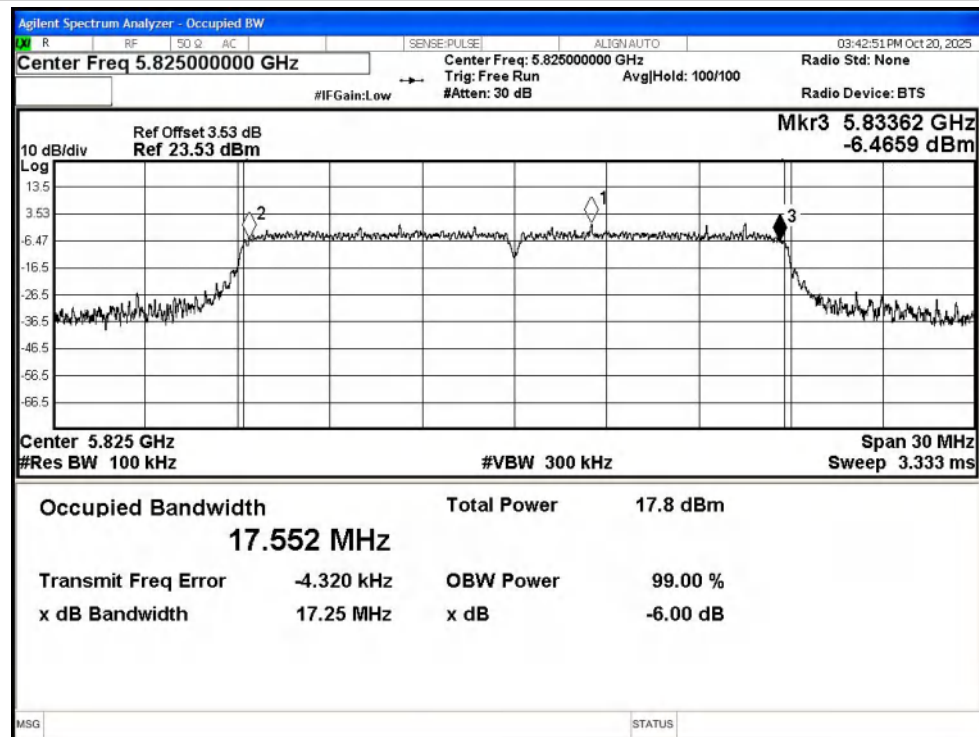
-6dB Bandwidth NVNT ac20 5745MHz Ant1



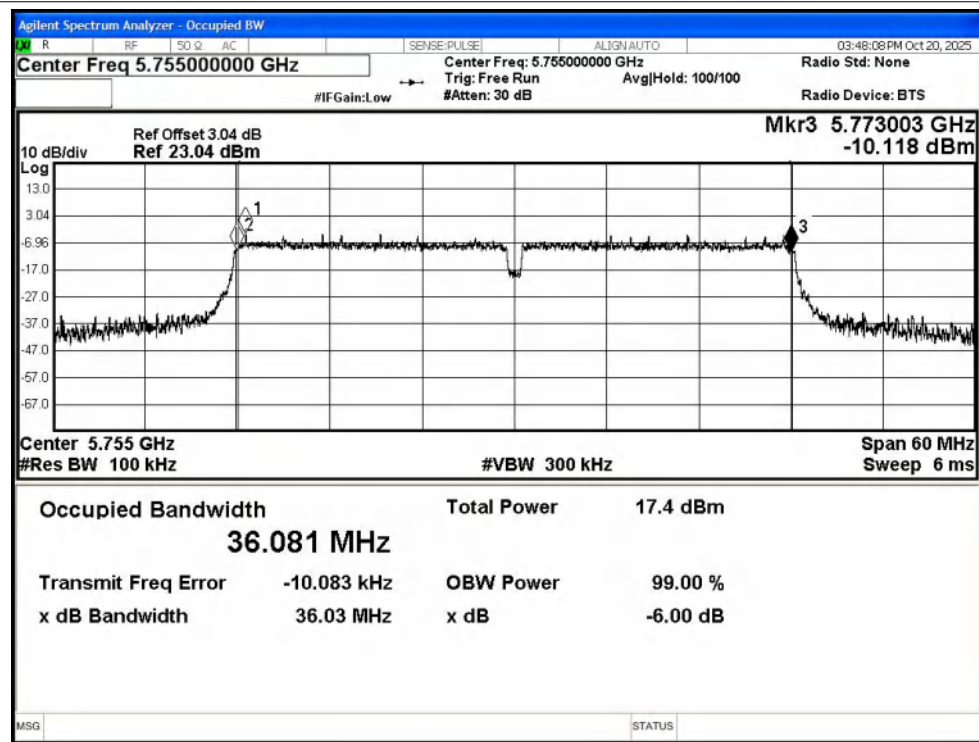
-6dB Bandwidth NVNT ac20 5785MHz Ant1



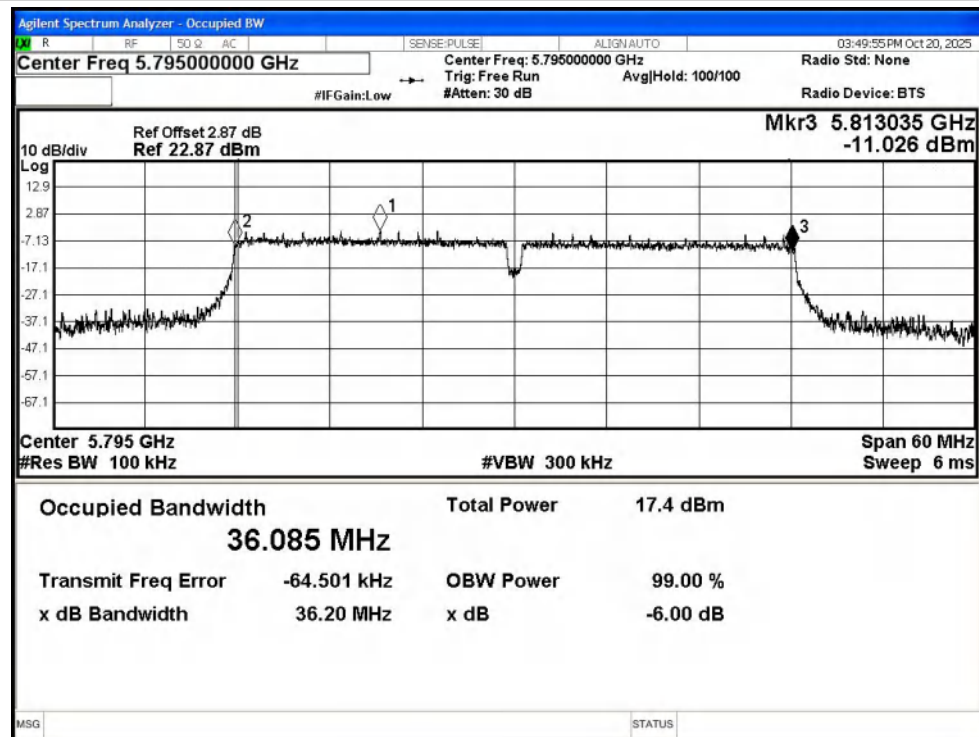
-6dB Bandwidth NVNT ac20 5825MHz Ant1



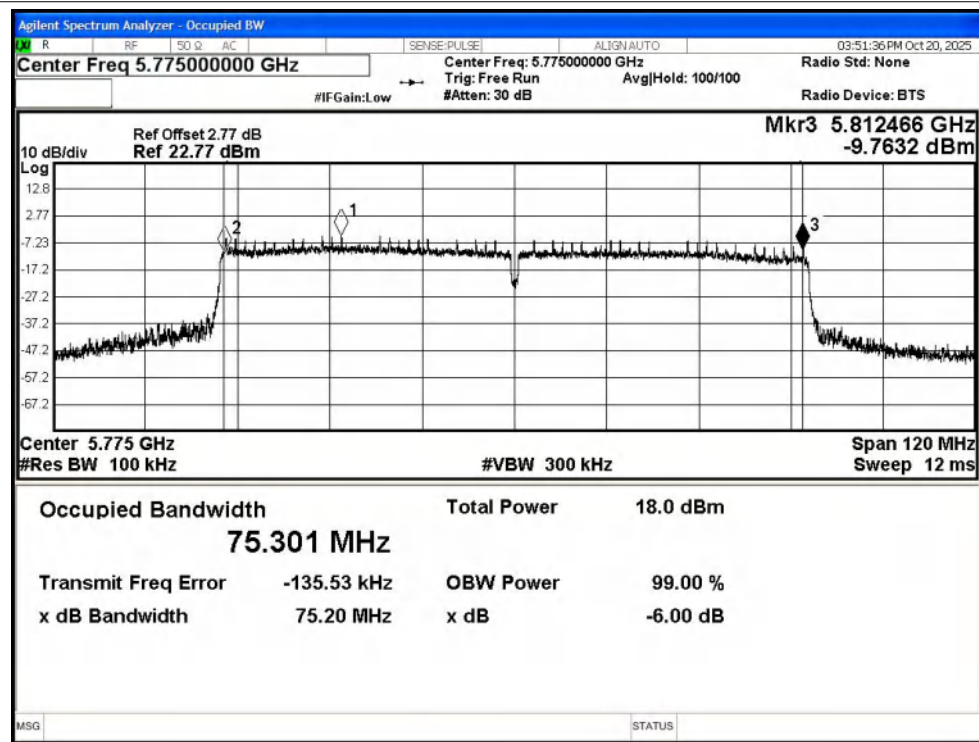
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1



2. Maximum Conducted Output Power

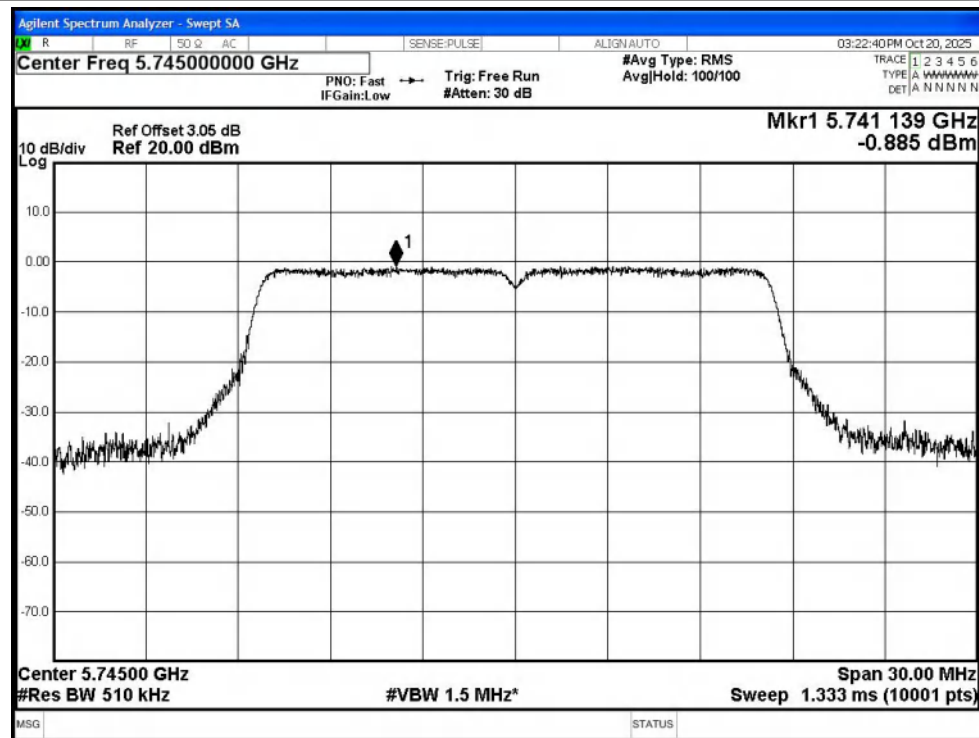
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	12.48	0.24	12.72	30	Pass
NVNT	a	5785	Ant1	11.77	0.24	12.01	30	Pass
NVNT	a	5825	Ant1	12.07	0.24	12.31	30	Pass
NVNT	n20	5745	Ant1	11.37	0.12	11.49	30	Pass
NVNT	n20	5785	Ant1	11.25	0.12	11.37	30	Pass
NVNT	n20	5825	Ant1	11.61	0.12	11.73	30	Pass
NVNT	n40	5755	Ant1	10.85	0.23	11.08	30	Pass
NVNT	n40	5795	Ant1	10.71	0.23	10.94	30	Pass
NVNT	ac20	5745	Ant1	11.49	0.12	11.61	30	Pass
NVNT	ac20	5785	Ant1	11.28	0.12	11.4	30	Pass
NVNT	ac20	5825	Ant1	11.62	0.12	11.74	30	Pass
NVNT	ac40	5755	Ant1	10.82	0.24	11.06	30	Pass
NVNT	ac40	5795	Ant1	10.74	0.24	10.98	30	Pass
NVNT	ac80	5775	Ant1	10.77	0.47	11.24	30	Pass

3. Maximum Power Spectral Density Level

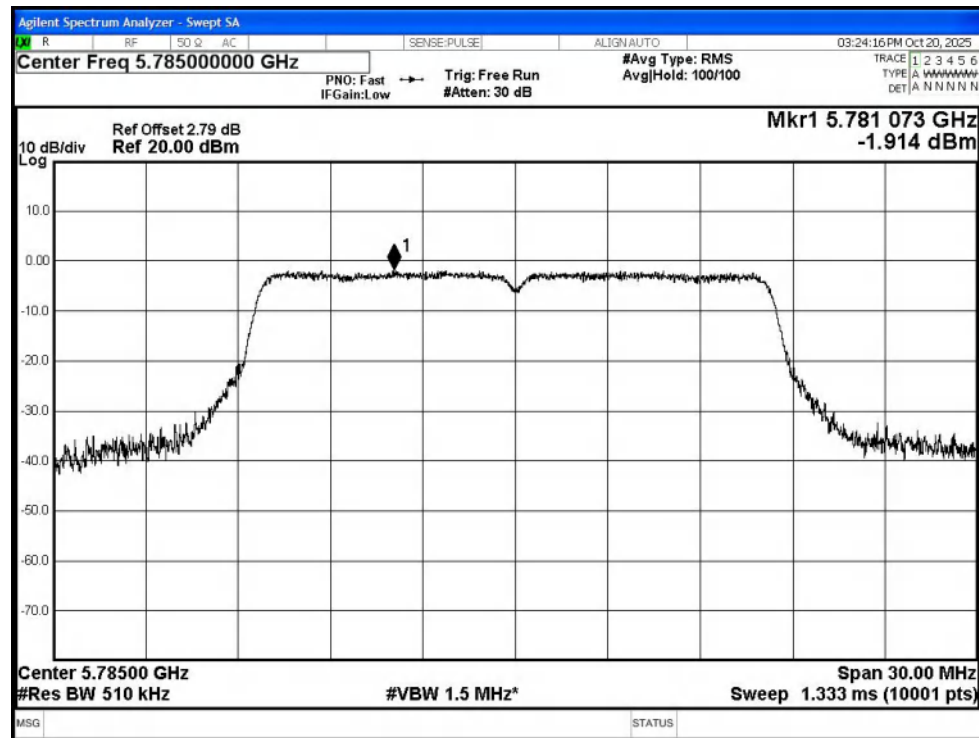
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/500KHz)	Duty Factor (dB)	Total PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
NVNT	a	5745	Ant1	-0.89	0.24	-0.65	30	Pass
NVNT	a	5785	Ant1	-1.91	0.24	-1.67	30	Pass
NVNT	a	5825	Ant1	-1.46	0.24	-1.22	30	Pass
NVNT	n20	5745	Ant1	-2.32	0.12	-2.2	30	Pass
NVNT	n20	5785	Ant1	-2.55	0.12	-2.43	30	Pass
NVNT	n20	5825	Ant1	-2.27	0.12	-2.15	30	Pass
NVNT	n40	5755	Ant1	-6.19	0.23	-5.96	30	Pass
NVNT	n40	5795	Ant1	-5.31	0.23	-5.08	30	Pass
NVNT	ac20	5745	Ant1	-2.45	0.12	-2.33	30	Pass
NVNT	ac20	5785	Ant1	-2.45	0.12	-2.33	30	Pass
NVNT	ac20	5825	Ant1	-2.37	0.12	-2.25	30	Pass
NVNT	ac40	5755	Ant1	-5.94	0.24	-5.7	30	Pass
NVNT	ac40	5795	Ant1	-5.38	0.24	-5.14	30	Pass
NVNT	ac80	5775	Ant1	-8.26	0.47	-7.79	30	Pass

Test Graphs

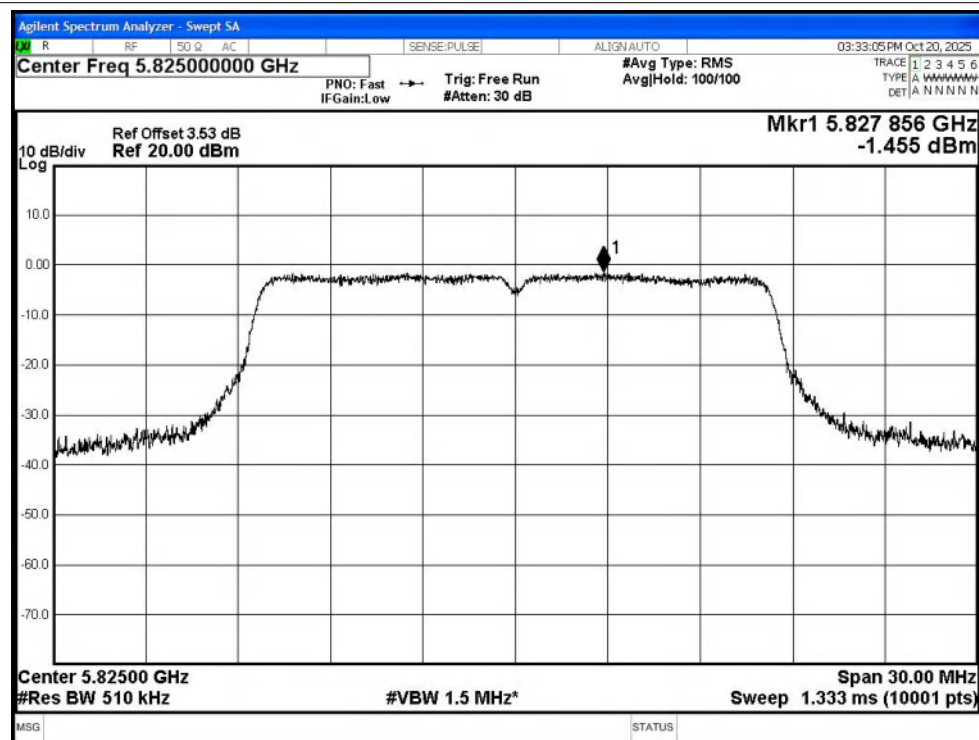
PSD NVNT a 5745MHz Ant1



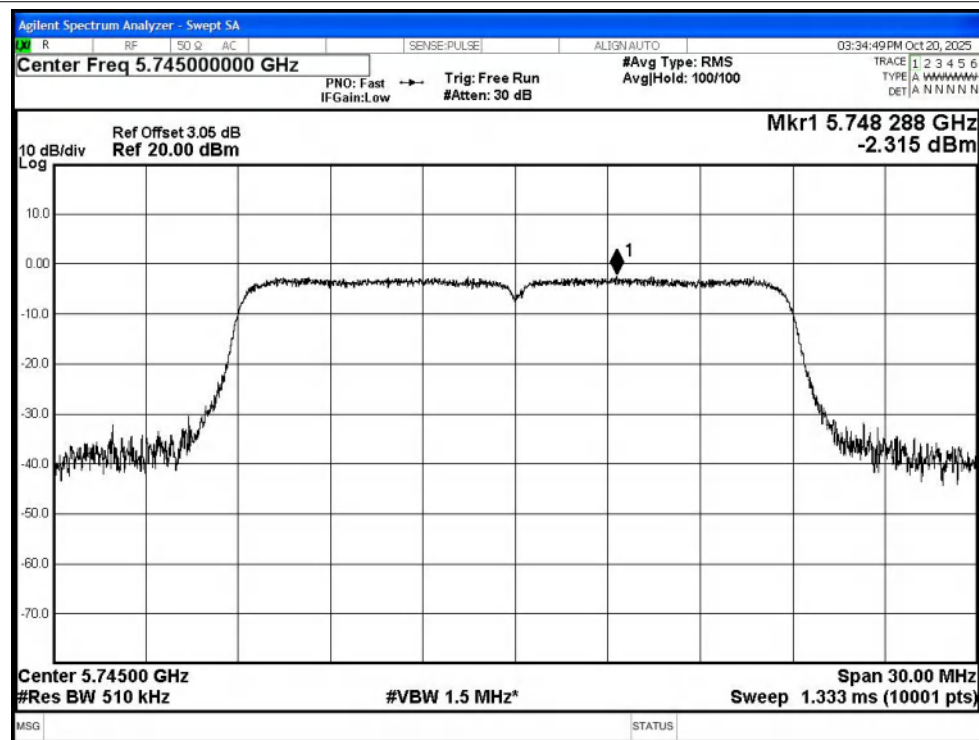
PSD NVNT a 5785MHz Ant1



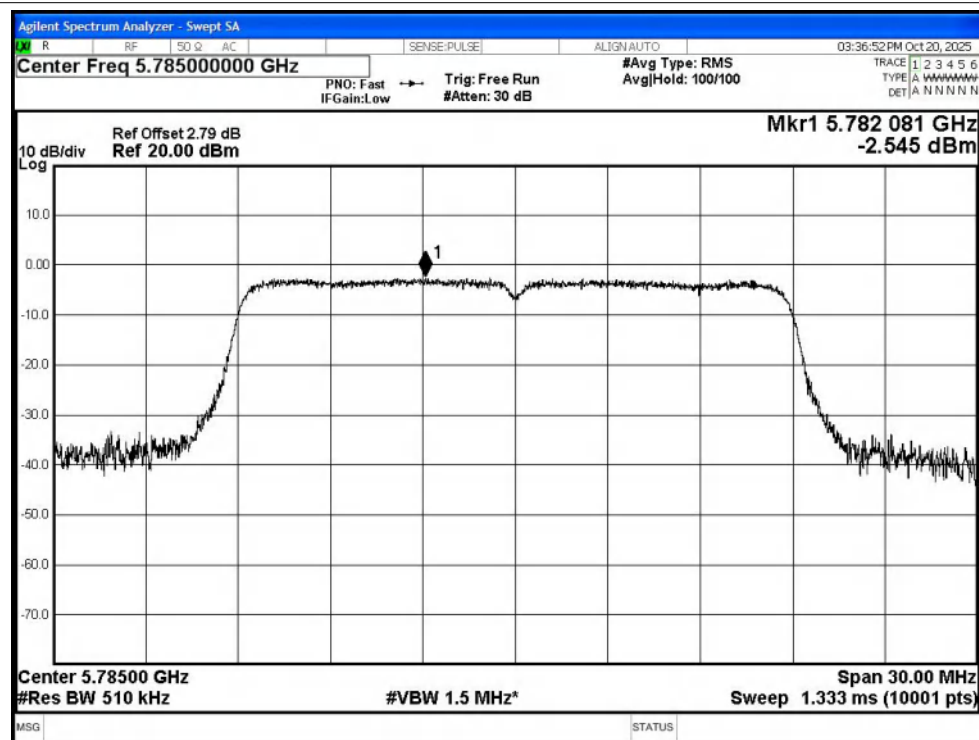
PSD NVNT a 5825MHz Ant1



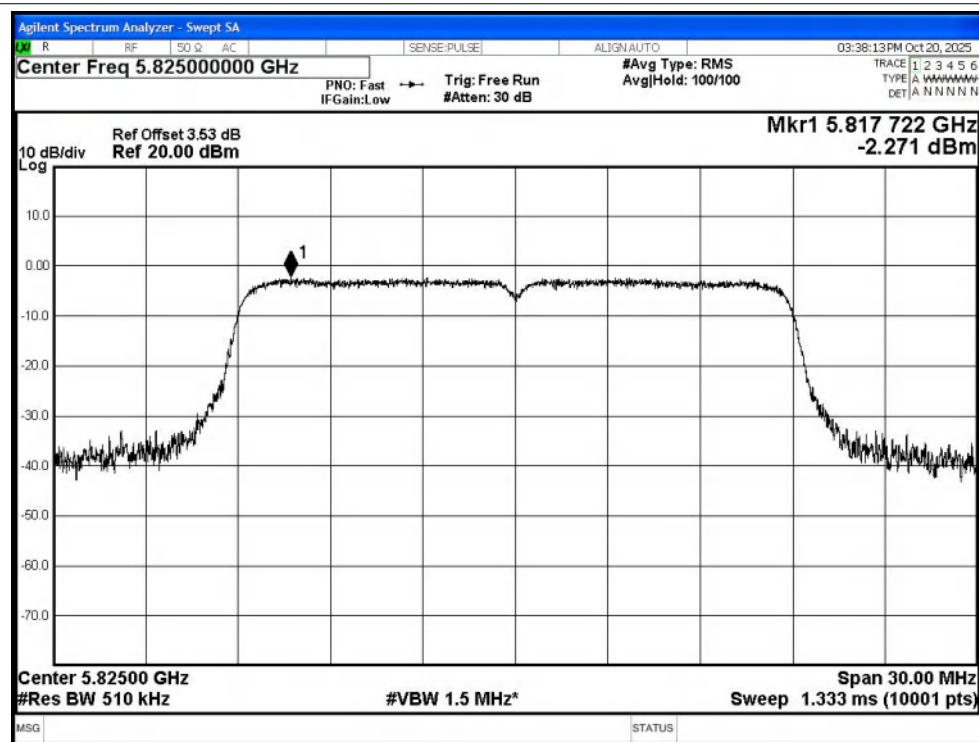
PSD NVNT n20 5745MHz Ant1



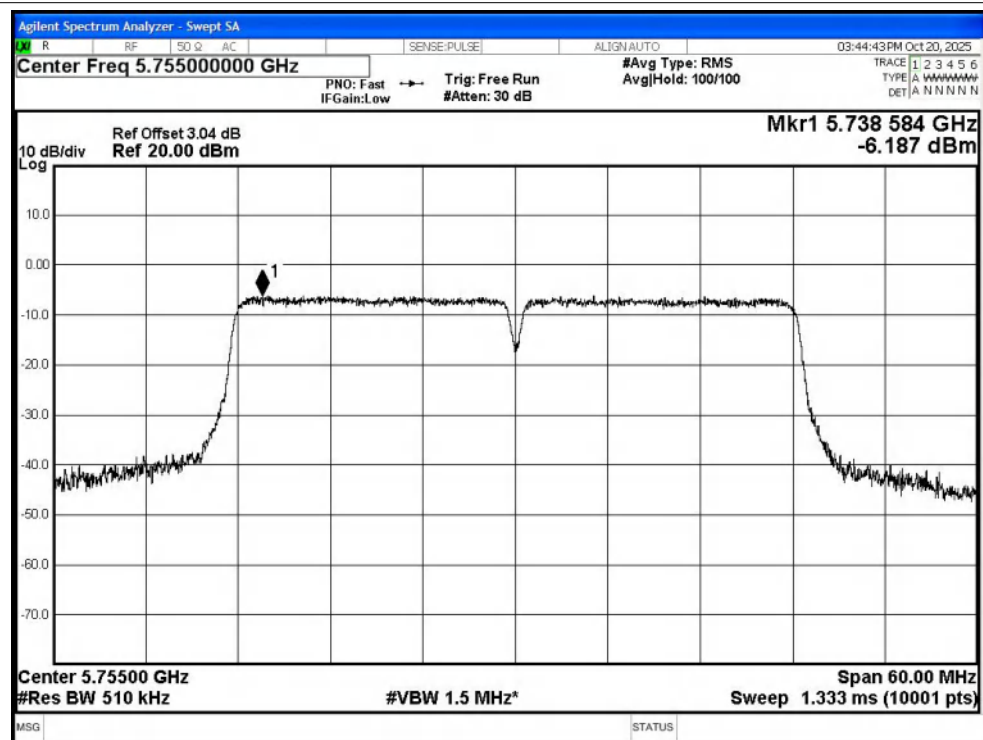
PSD NVNT n20 5785MHz Ant1



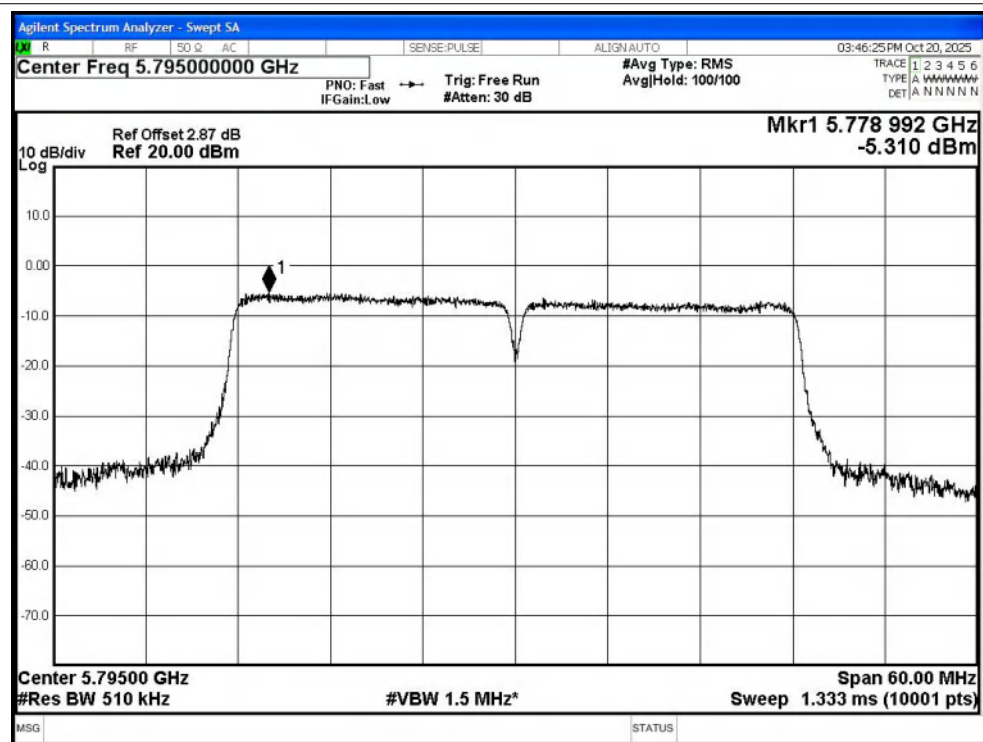
PSD NVNT n20 5825MHz Ant1



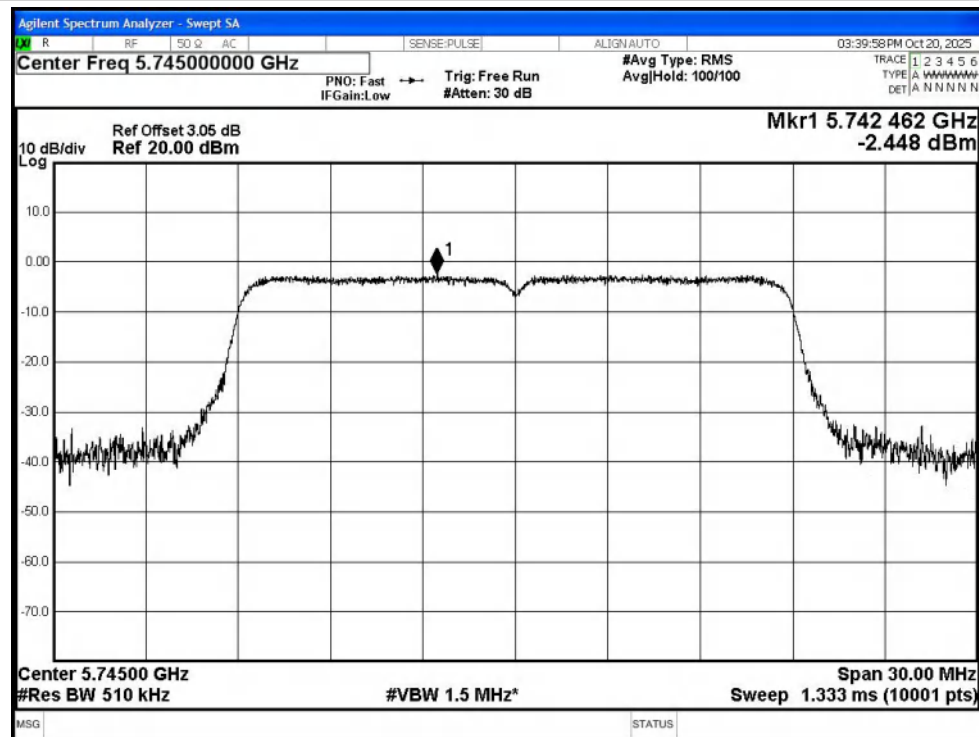
PSD NVNT n40 5755MHz Ant1



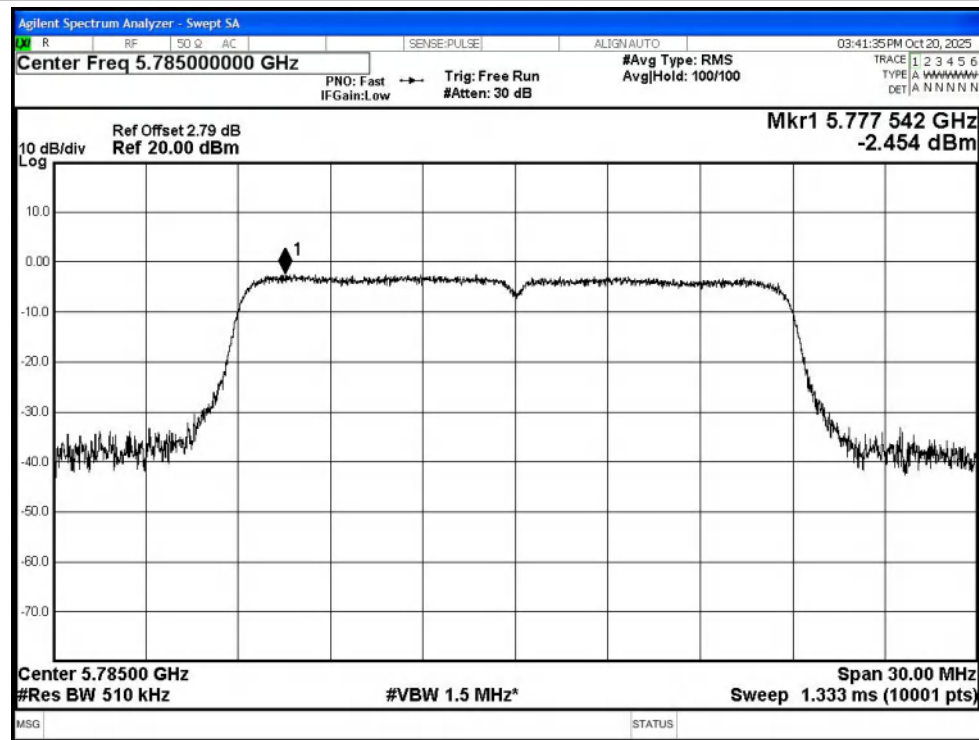
PSD NVNT n40 5795MHz Ant1



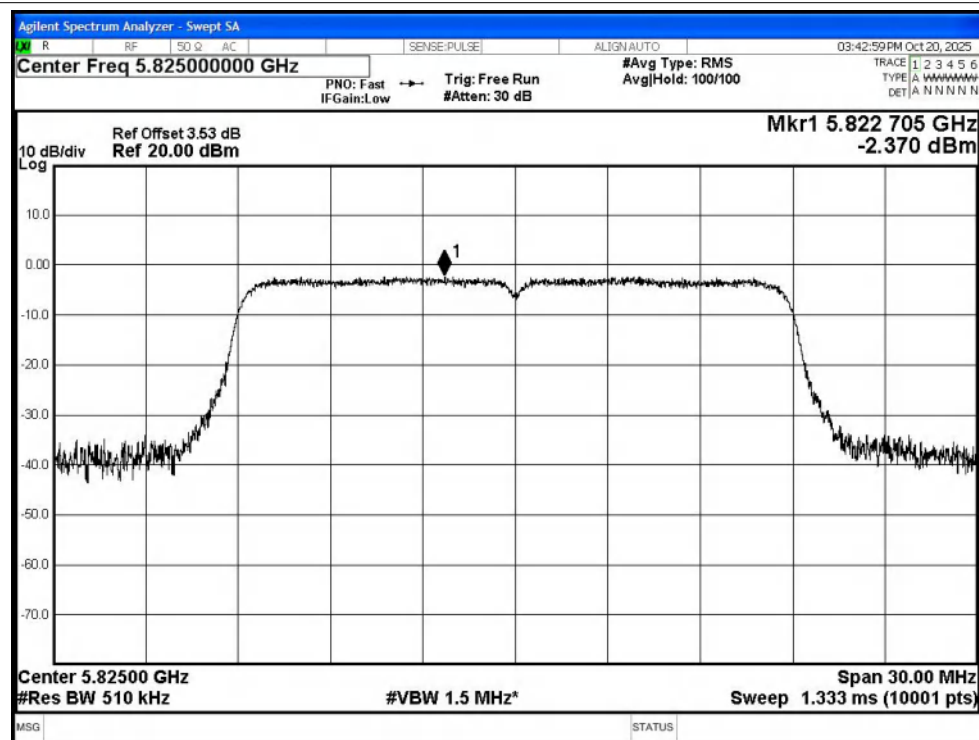
PSD NVNT ac20 5745MHz Ant1



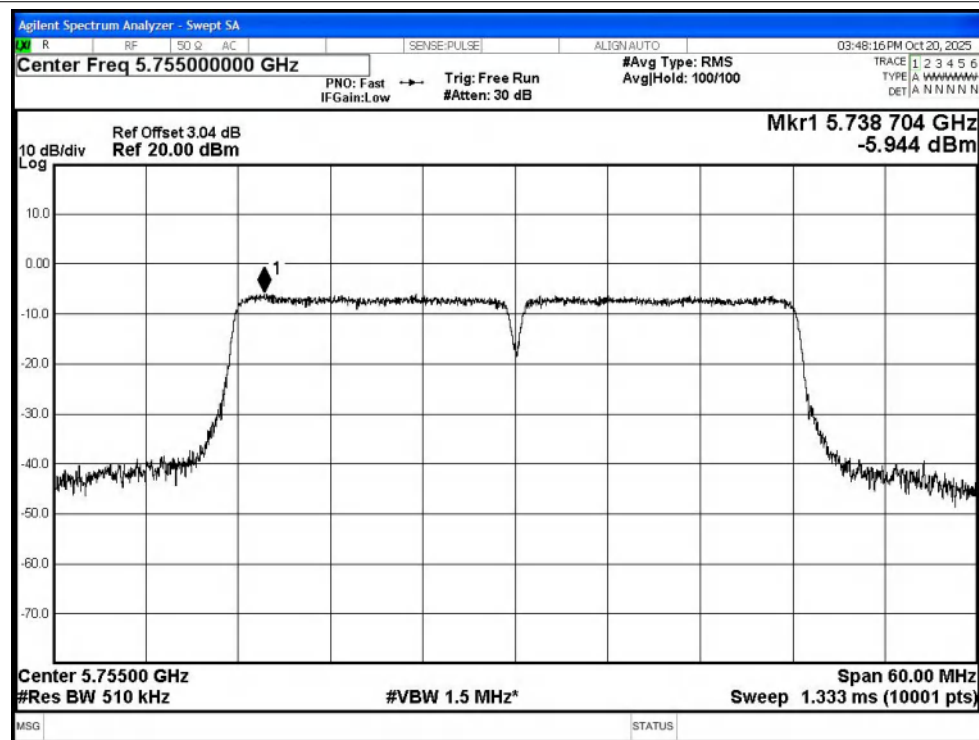
PSD NVNT ac20 5785MHz Ant1



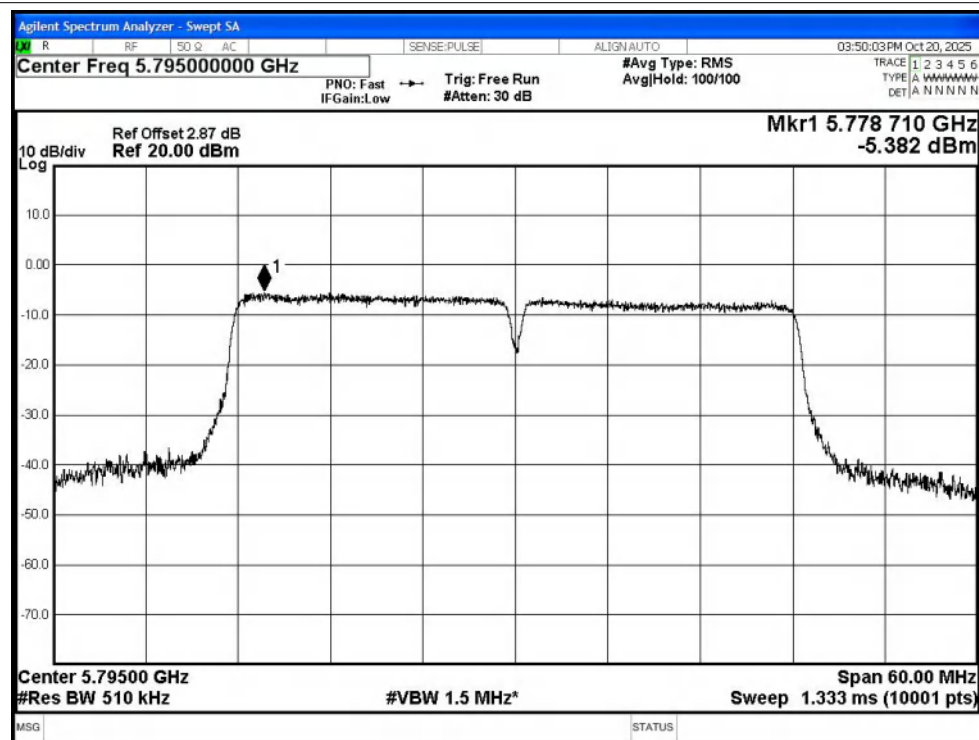
PSD NVNT ac20 5825MHz Ant1



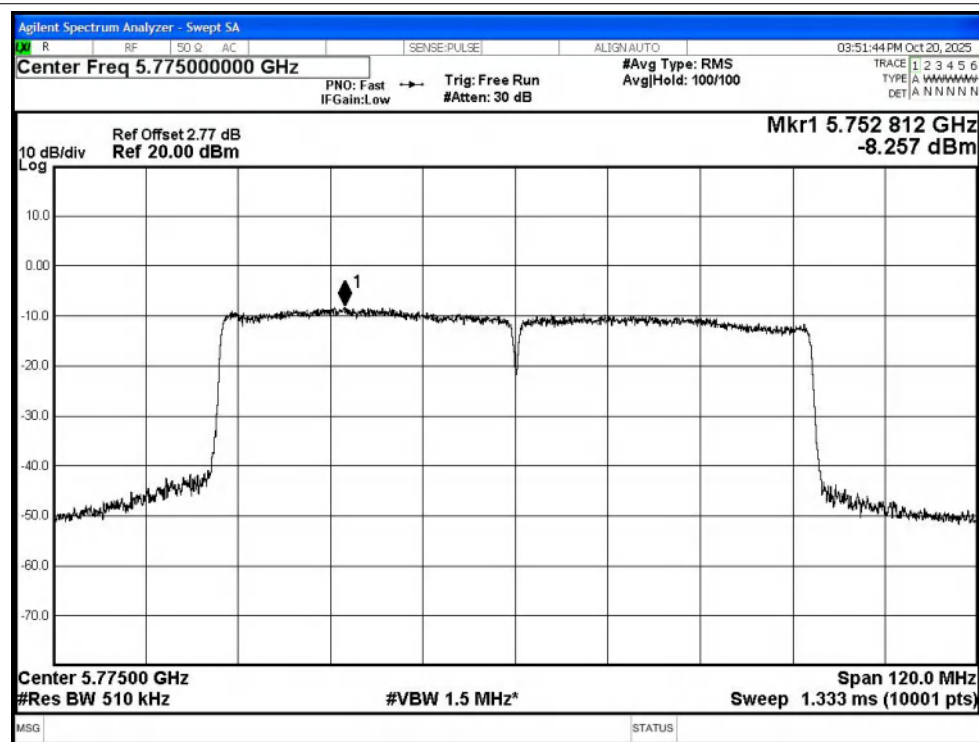
PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1

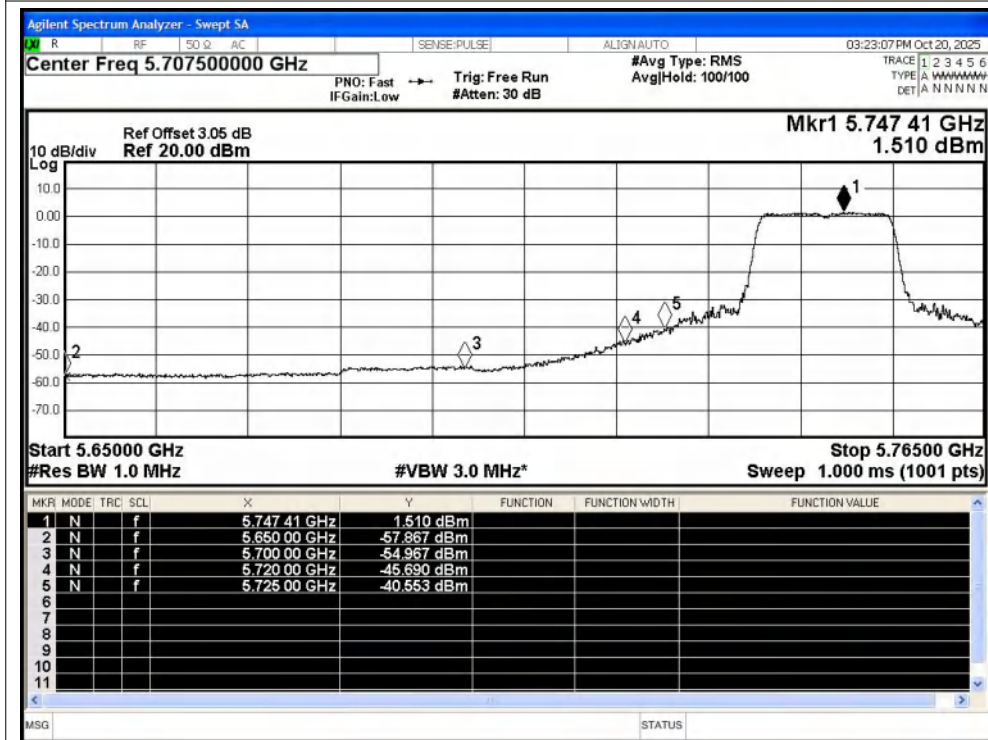


4. Restrict Band

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	-49.7	2.24	-	-47.46	Peak	-27	Pass
NVNT	a	5745	Ant1	5650	-57.87	2.24	0.24	-55.39	Average	-27	Pass
NVNT	a	5745	Ant1	5700	-45.4	2.24	-	-43.16	Peak	10	Pass
NVNT	a	5745	Ant1	5700	-54.97	2.24	0.24	-52.49	Average	10	Pass
NVNT	a	5745	Ant1	5720	-33.25	2.24	-	-31.01	Peak	15.6	Pass
NVNT	a	5745	Ant1	5720	-45.69	2.24	0.24	-43.21	Average	15.6	Pass
NVNT	a	5745	Ant1	5725	-27.88	2.24	-	-25.64	Peak	27	Pass
NVNT	a	5745	Ant1	5725	-40.55	2.24	0.24	-38.07	Average	27	Pass
NVNT	a	5825	Ant1	5850	-37.02	2.24	-	-34.78	Peak	27	Pass
NVNT	a	5825	Ant1	5850	-49.24	2.24	0.24	-46.76	Average	27	Pass
NVNT	a	5825	Ant1	5855	-44.3	2.24	-	-42.06	Peak	15.6	Pass
NVNT	a	5825	Ant1	5855	-54.24	2.24	0.24	-51.76	Average	15.6	Pass
NVNT	a	5825	Ant1	5875	-47.45	2.24	-	-45.21	Peak	10	Pass
NVNT	a	5825	Ant1	5875	-55.44	2.24	0.24	-52.96	Average	10	Pass
NVNT	a	5825	Ant1	5925	-48.22	2.24	-	-45.98	Peak	-27	Pass
NVNT	a	5825	Ant1	5925	-55.88	2.24	0.24	-53.40	Average	-27	Pass
NVNT	n20	5745	Ant1	5650	-49.68	2.24	-	-47.44	Peak	-27	Pass
NVNT	n20	5745	Ant1	5650	-57.41	2.24	0.12	-55.05	Average	-27	Pass
NVNT	n20	5745	Ant1	5700	-47.35	2.24	-	-45.11	Peak	10	Pass
NVNT	n20	5745	Ant1	5700	-55.23	2.24	0.12	-52.87	Average	10	Pass
NVNT	n20	5745	Ant1	5720	-28.56	2.24	-	-26.32	Peak	15.6	Pass
NVNT	n20	5745	Ant1	5720	-44.62	2.24	0.12	-42.26	Average	15.6	Pass
NVNT	n20	5745	Ant1	5725	-25.83	2.24	-	-23.59	Peak	27	Pass
NVNT	n20	5745	Ant1	5725	-39.86	2.24	0.12	-37.50	Average	27	Pass
NVNT	n20	5825	Ant1	5850	-39.39	2.24	-	-37.15	Peak	27	Pass
NVNT	n20	5825	Ant1	5850	-54.07	2.24	0.12	-51.71	Average	27	Pass
NVNT	n20	5825	Ant1	5855	-44.67	2.24	-	-42.43	Peak	15.6	Pass
NVNT	n20	5825	Ant1	5855	-56.32	2.24	0.12	-53.96	Average	15.6	Pass
NVNT	n20	5825	Ant1	5875	-49.56	2.24	-	-47.32	Peak	10	Pass
NVNT	n20	5825	Ant1	5875	-57.1	2.24	0.12	-54.74	Average	10	Pass
NVNT	n20	5825	Ant1	5925	-47.59	2.24	-	-45.35	Peak	-27	Pass
NVNT	n20	5825	Ant1	5925	-56.99	2.24	0.12	-54.63	Average	-27	Pass
NVNT	n40	5755	Ant1	5650	-50.07	2.24	-	-47.83	Peak	-27	Pass
NVNT	n40	5755	Ant1	5650	-57.72	2.24	0.23	-55.25	Average	-27	Pass
NVNT	n40	5755	Ant1	5700	-46.06	2.24	-	-43.82	Peak	10	Pass
NVNT	n40	5755	Ant1	5700	-54.29	2.24	0.23	-51.82	Average	10	Pass
NVNT	n40	5755	Ant1	5720	-30.98	2.24	-	-28.74	Peak	15.6	Pass
NVNT	n40	5755	Ant1	5720	-42.95	2.24	0.23	-40.48	Average	15.6	Pass
NVNT	n40	5755	Ant1	5725	-24.58	2.24	-	-22.34	Peak	27	Pass

NVNT	n40	5755	Ant1	5725	-40.01	2.24	0.23	-37.54	Average	27	Pass
NVNT	n40	5795	Ant1	5850	-50.09	2.24	-	-47.85	Peak	27	Pass
NVNT	n40	5795	Ant1	5850	-58.42	2.24	0.23	-55.95	Average	27	Pass
NVNT	n40	5795	Ant1	5855	-50.79	2.24	-	-48.55	Peak	15.6	Pass
NVNT	n40	5795	Ant1	5855	-58.55	2.24	0.23	-56.08	Average	15.6	Pass
NVNT	n40	5795	Ant1	5875	-50.33	2.24	-	-48.09	Peak	10	Pass
NVNT	n40	5795	Ant1	5875	-58.79	2.24	0.23	-56.32	Average	10	Pass
NVNT	n40	5795	Ant1	5925	-50.88	2.24	-	-48.64	Peak	-27	Pass
NVNT	n40	5795	Ant1	5925	-57.83	2.24	0.23	-55.36	Average	-27	Pass
NVNT	ac20	5745	Ant1	5650	-48.79	2.24	-	-46.55	Peak	-27	Pass
NVNT	ac20	5745	Ant1	5650	-57.38	2.24	0.12	-55.02	Average	-27	Pass
NVNT	ac20	5745	Ant1	5700	-42.82	2.24	-	-40.58	Peak	10	Pass
NVNT	ac20	5745	Ant1	5700	-55.37	2.24	0.12	-53.01	Average	10	Pass
NVNT	ac20	5745	Ant1	5720	-29.76	2.24	-	-27.52	Peak	15.6	Pass
NVNT	ac20	5745	Ant1	5720	-44.18	2.24	0.12	-41.82	Average	15.6	Pass
NVNT	ac20	5745	Ant1	5725	-21.82	2.24	-	-19.58	Peak	27	Pass
NVNT	ac20	5745	Ant1	5725	-41.41	2.24	0.12	-39.05	Average	27	Pass
NVNT	ac20	5825	Ant1	5850	-29.27	2.24	-	-27.03	Peak	27	Pass
NVNT	ac20	5825	Ant1	5850	-44.7	2.24	0.12	-42.34	Average	27	Pass
NVNT	ac20	5825	Ant1	5855	-37.59	2.24	-	-35.35	Peak	15.6	Pass
NVNT	ac20	5825	Ant1	5855	-49	2.24	0.12	-46.64	Average	15.6	Pass
NVNT	ac20	5825	Ant1	5875	-48.22	2.24	-	-45.98	Peak	10	Pass
NVNT	ac20	5825	Ant1	5875	-55.44	2.24	0.12	-53.08	Average	10	Pass
NVNT	ac20	5825	Ant1	5925	-49.01	2.24	-	-46.77	Peak	-27	Pass
NVNT	ac20	5825	Ant1	5925	-56.53	2.24	0.12	-54.17	Average	-27	Pass
NVNT	ac40	5755	Ant1	5650	-48.98	2.24	-	-46.74	Peak	-27	Pass
NVNT	ac40	5755	Ant1	5650	-56.95	2.24	0.24	-54.47	Average	-27	Pass
NVNT	ac40	5755	Ant1	5700	-44.78	2.24	-	-42.54	Peak	10	Pass
NVNT	ac40	5755	Ant1	5700	-54.69	2.24	0.24	-52.21	Average	10	Pass
NVNT	ac40	5755	Ant1	5720	-28.65	2.24	-	-26.41	Peak	15.6	Pass
NVNT	ac40	5755	Ant1	5720	-44.42	2.24	0.24	-41.94	Average	15.6	Pass
NVNT	ac40	5755	Ant1	5725	-25.05	2.24	-	-22.81	Peak	27	Pass
NVNT	ac40	5755	Ant1	5725	-39.76	2.24	0.24	-37.28	Average	27	Pass
NVNT	ac40	5795	Ant1	5850	-44	2.24	-	-41.76	Peak	27	Pass
NVNT	ac40	5795	Ant1	5850	-55.35	2.24	0.24	-52.87	Average	27	Pass
NVNT	ac40	5795	Ant1	5855	-46.82	2.24	-	-44.58	Peak	15.6	Pass
NVNT	ac40	5795	Ant1	5855	-55.75	2.24	0.24	-53.27	Average	15.6	Pass
NVNT	ac40	5795	Ant1	5875	-48.74	2.24	-	-46.50	Peak	10	Pass
NVNT	ac40	5795	Ant1	5875	-57.28	2.24	0.24	-54.80	Average	10	Pass
NVNT	ac40	5795	Ant1	5925	-49.88	2.24	-	-47.64	Peak	-27	Pass
NVNT	ac40	5795	Ant1	5925	-57.61	2.24	0.24	-55.13	Average	-27	Pass
NVNT	ac80	5775	Ant1	5650	-47.52	2.24	-	-45.28	Peak	-27	Pass
NVNT	ac80	5775	Ant1	5650	-55.86	2.24	0.47	-53.15	Average	-27	Pass
NVNT	ac80	5775	Ant1	5700	-41.3	2.24	-	-39.06	Peak	10	Pass

NVNT	ac80	5775	Ant1	5700	-48.73	2.24	0.47	-46.02	Average	10	Pass
NVNT	ac80	5775	Ant1	5720	-33.35	2.24	-	-31.11	Peak	15.6	Pass
NVNT	ac80	5775	Ant1	5720	-45.49	2.24	0.47	-42.78	Average	15.6	Pass
NVNT	ac80	5775	Ant1	5725	-31	2.24	-	-28.76	Peak	27	Pass
NVNT	ac80	5775	Ant1	5725	-43.16	2.24	0.47	-40.45	Average	27	Pass
NVNT	ac80	5775	Ant1	5850	-38.5	2.24	-	-36.26	Peak	27	Pass
NVNT	ac80	5775	Ant1	5850	-47.65	2.24	0.47	-44.94	Average	27	Pass
NVNT	ac80	5775	Ant1	5855	-37.28	2.24	-	-35.04	Peak	15.6	Pass
NVNT	ac80	5775	Ant1	5855	-47.7	2.24	0.47	-44.99	Average	15.6	Pass
NVNT	ac80	5775	Ant1	5875	-42.19	2.24	-	-39.95	Peak	10	Pass
NVNT	ac80	5775	Ant1	5875	-52.86	2.24	0.47	-50.15	Average	10	Pass
NVNT	ac80	5775	Ant1	5925	-48.54	2.24	-	-46.30	Peak	-27	Pass
NVNT	ac80	5775	Ant1	5925	-57.43	2.24	0.47	-54.72	Average	-27	Pass



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

03:33:28 PM Oct 20, 2025

Ref Offset 3.53 dB Ref 20.00 dBm

Mkr1 5.822 88 GHz 8.365 dBm

10 dB/div Log

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	5.822 88 GHz	8.365 dBm			
2	N		f	5.850 00 GHz	-37.015 dBm			
3	N		f	5.855 00 GHz	-44.299 dBm			
4	N		f	5.875 00 GHz	-47.450 dBm			
5	N		f	5.925 00 GHz	-48.223 dBm			

Agilent Spectrum Analyzer - Swept SA

03:33:32 PM Oct 20, 2025

Center Freq 5.865000000 GHz

PN0: Fast IF Gain: Low

Trig: Free Run

#Avg Type: RMS

Avg|Hold: 100/100

TRACE 1 2 3 4 5 6

TYPE A W W W W W W W W

DET A N N N N N N

Ref Offset 3.53 dB

Ref 20.00 dBm

Mkr1 5.821 80 GHz

0.568 dBm

10 dB/div

Log

Start 5.80500 GHz

Stop 5.92500 GHz

#Res 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	5.821 80 GHz	0.568 dBm			
2	N		f	5.850 00 GHz	-49.236 dBm			
3	N		f	5.855 00 GHz	-54.243 dBm			
4	N		f	5.875 00 GHz	-55.439 dBm			
5	N		f	5.925 00 GHz	-55.876 dBm			
6								
7								
8								
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10								
11								

MSG

STATUS

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.865000000 GHz

Ref Offset 3.53 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 5.822 28 GHz
-1.416 dBm

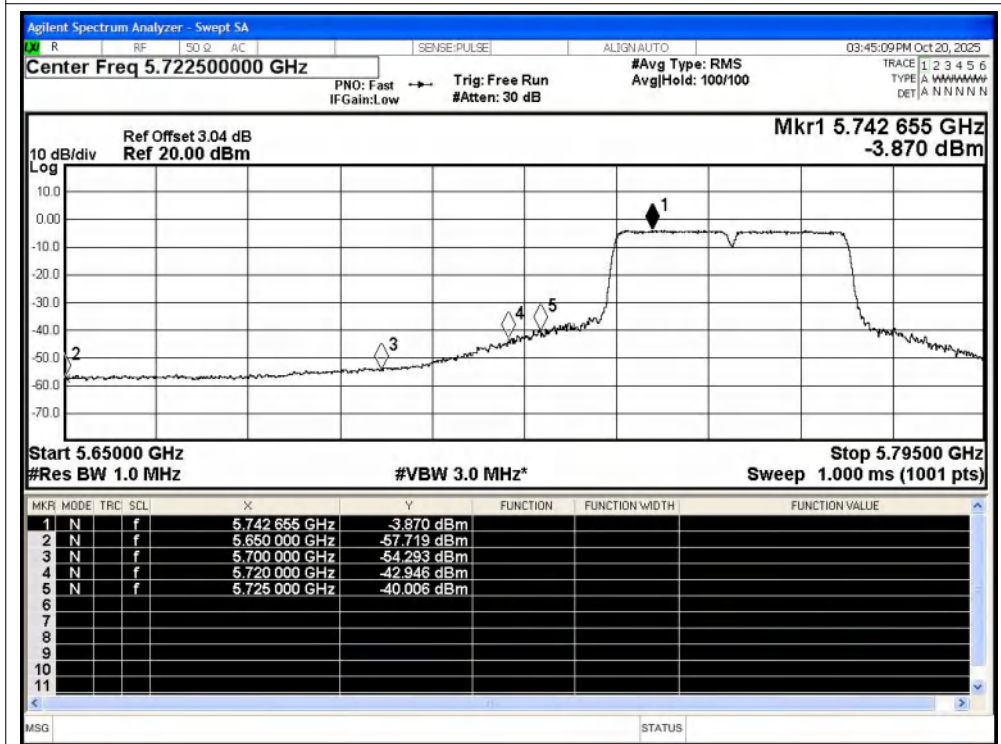
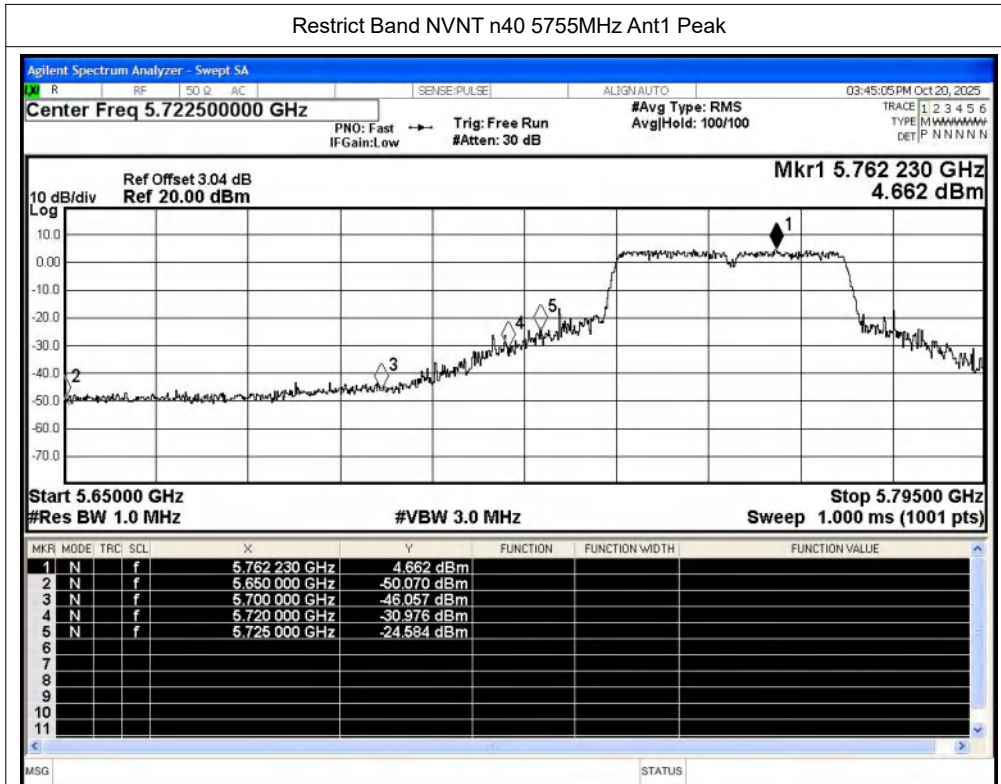
Start 5.80500 GHz
#Res BW 1.0 MHz

#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	5.822 28 GHz	-1.416 dBm			
2	N		f	5.850 00 GHz	-39.385 dBm			
3	N		f	5.855 00 GHz	-44.672 dBm			
4	N		f	5.875 00 GHz	-49.557 dBm			
5	N		f	5.925 00 GHz	-47.591 dBm			

[illegible]



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Center Freq 5.840000000 GHz

Ref Offset 2.87 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 5.793 08 GHz
-4.972 dBm

Start 5.7500 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	5.793 08 GHz	-4.972 dBm			
2	N		f	5.850 00 GHz	-50.090 dBm			
3	N		f	5.855 00 GHz	-50.787 dBm			
4	N		f	5.875 00 GHz	-50.329 dBm			
5	N		f	5.925 00 GHz	-50.875 dBm			

[illegible]

Restrict Band NVent ac20 5825MHz Ant1 Peak

The figure shows a spectral plot with a logarithmic scale from -80 dBm to +10 dBm. The frequency range is from 5.80500 GHz to 5.92500 GHz. Five specific measurements are highlighted:

MKR	MODE	TRE	SCL	X	Y
1	N	f		5.827 68 GHz	8.380 dBm
2	N	f		5.850 00 GHz	-29.267 dBm
3	N	f		5.855 00 GHz	-37.587 dBm
4	N	f		5.875 00 GHz	-48.218 dBm
5	N	f		5.925 00 GHz	-49.007 dBm

Agilent Spectrum Analyzer - Swept SA

R F SO Q AC SENSE-PULSE ALIGN AUTO 03:43:55 PM Oct 20, 2025

Center Freq 5.865000000 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 3.53 dB
Ref 20.00 dBm

Mkr1 5.821 68 GHz
-0.043 dBm

Start 5.80500 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		5.821 68 GHz	-0.043 dBm			
2	N	f		5.850 00 GHz	-44.696 dBm			
3	N	f		5.855 00 GHz	-49.000 dBm			
4	N	f		5.875 00 GHz	-55.436 dBm			
5	N	f		5.925 00 GHz	-56.533 dBm			

[illegible]

Agilent Spectrum Analyzer - Swept SA

03:52:31 PM Oct 20, 2025

Center Freq 5.752500000 GHz

PNO: Fast IF Gain: Low

Trig: Free Run

#Avg Type: RMS

AvgHold: 100/100

TRACE 1 2 3 4 5 6

TYPE A W W W W W W W W

DET A N N N N N N

Ref Offset 2.77 dB

Ref 20.00 dBm

Mkr1 5.750 45 GHz

-5.309 dBm

10 dB/div

Log

Start 5.6500 GHz

#Res BW 1.0 MHz

#VBW 3.0 MHz*

Stop 5.8550 GHz

Sweep 1.000 ms (1001 pts)

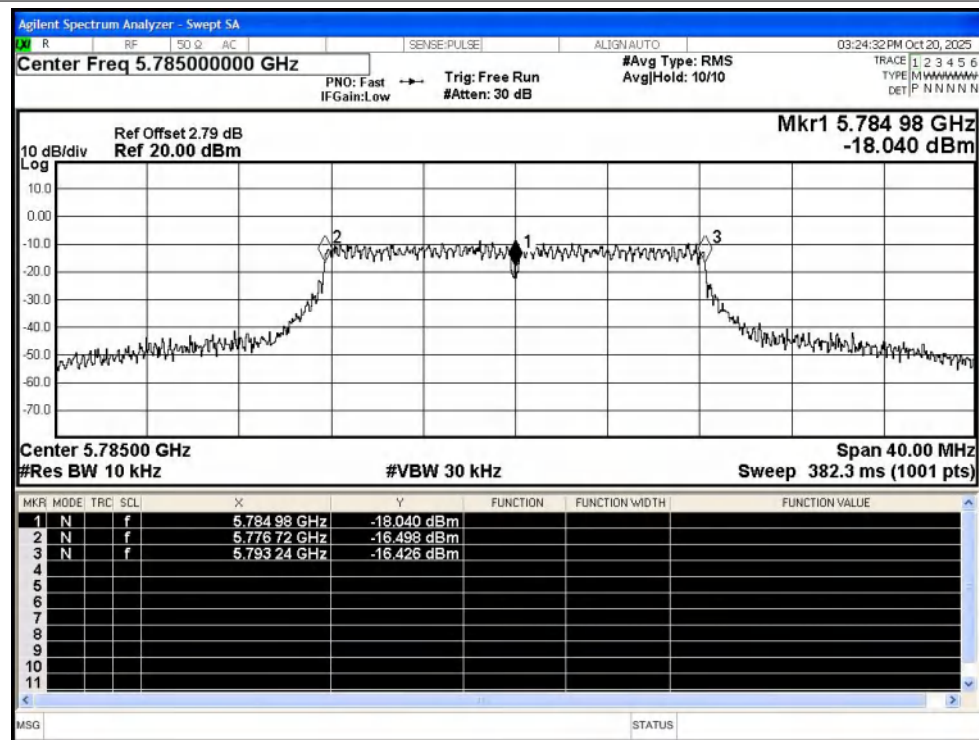
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.750 45 GHz	-5.309 dBm			
2	N		f	5.650 00 GHz	-55.860 dBm			
3	N		f	5.700 00 GHz	-48.733 dBm			
4	N		f	5.720 00 GHz	-45.487 dBm			
5	N		f	5.725 00 GHz	-43.157 dBm			
6								
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9								
10								
11								

MSG

STATUS

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	5784.98	-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	5785	0	0	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	5785	0	0	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



[illegible][illegible]

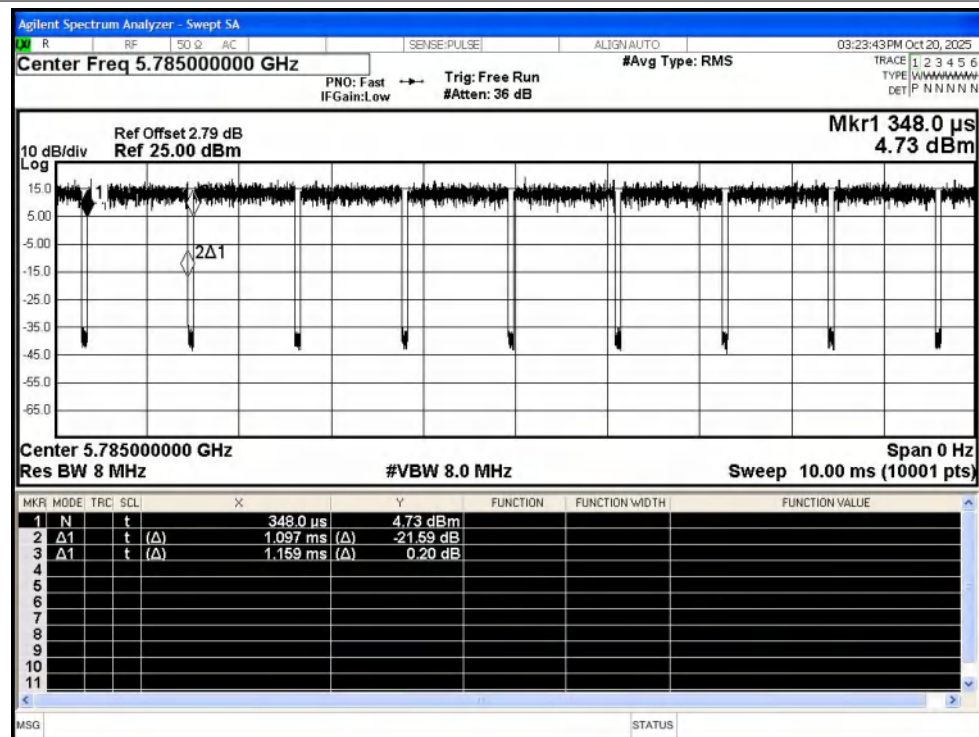
[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

6. Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	94.56	0.24	0.91
NVNT	a	5785	Ant1	94.65	0.24	0.91
NVNT	a	5825	Ant1	94.56	0.24	0.91
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	94.79	0.23	0.9
NVNT	n40	5795	Ant1	94.79	0.23	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



[illegible][illegible]

[illegible]

The screenshot shows an Agilent Spectrum Analyzer interface. The main display area shows a spectrum plot with a center frequency of 5.82500000 GHz. A peak marker labeled 'Mkr1' is positioned at 1.359 ms and 4.64 dBm. The plot has a vertical scale from -65.0 to 15.0 dB/div Log. The horizontal axis represents time or frequency sweep.

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	t		1.359 ms	4.64 dBm			
2	$\Delta 1$	t	(Δ)	2.261 ms (Δ)	6.19 dB			
3	$\Delta 1$	t	(Δ)	2.324 ms (Δ)	0.18 dB			

[illegible][illegible]

[illegible][illegible]

[illegible][illegible]