

FCC Appendix RF Test Data for 5.3GWIFI

Product Name: Smart Diagnostic System

Test Model: P720

Environmental Conditions

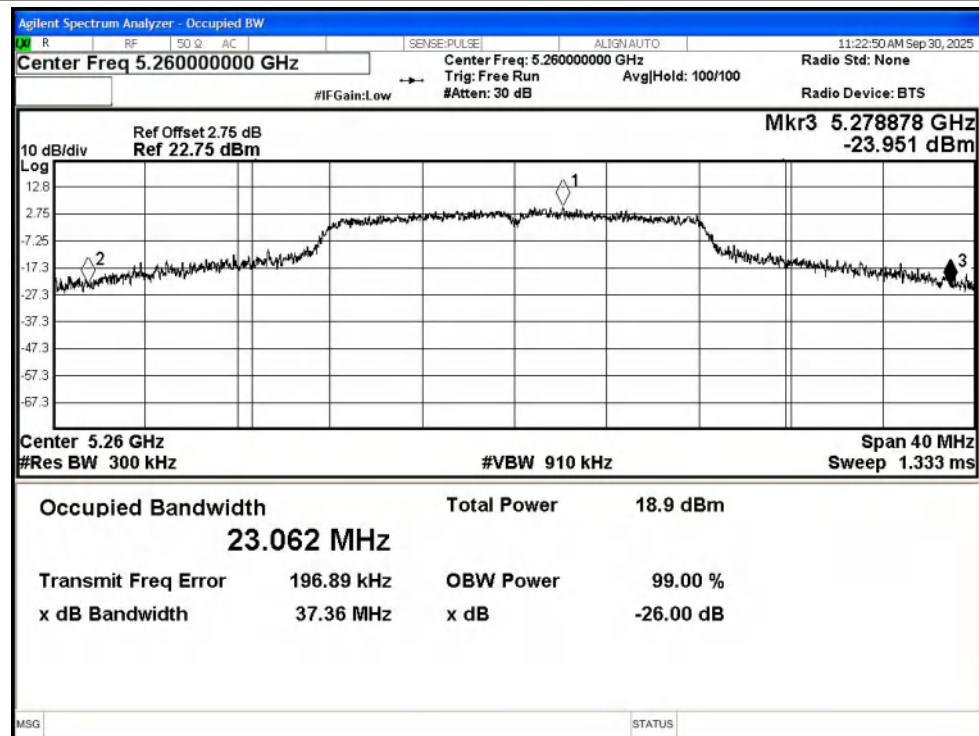
Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

1 -26dB Bandwidth

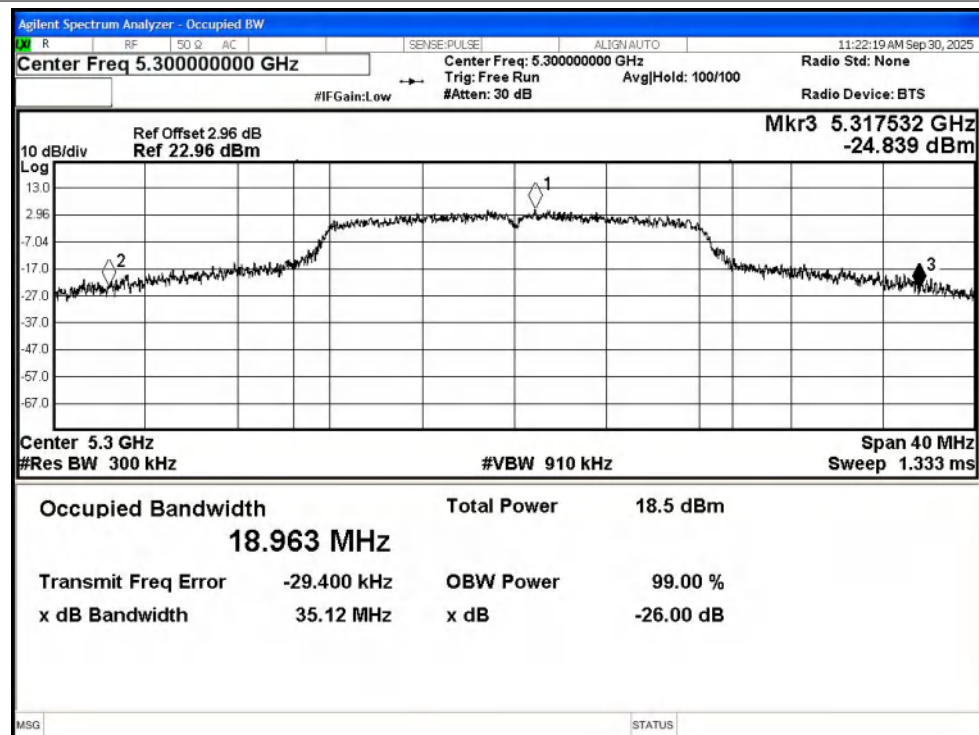
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	37.361	>=0.5	Pass
NVNT	a	5300	Ant1	35.122	>=0.5	Pass
NVNT	a	5320	Ant1	29.991	>=0.5	Pass
NVNT	n20	5260	Ant1	29.747	>=0.5	Pass
NVNT	n20	5300	Ant1	29.155	>=0.5	Pass
NVNT	n20	5320	Ant1	29.722	>=0.5	Pass
NVNT	n40	5270	Ant1	54.252	>=0.5	Pass
NVNT	n40	5310	Ant1	58.668	>=0.5	Pass
NVNT	ac20	5260	Ant1	29.396	>=0.5	Pass
NVNT	ac20	5300	Ant1	27.339	>=0.5	Pass
NVNT	ac20	5320	Ant1	29.33	>=0.5	Pass
NVNT	ac40	5270	Ant1	53.47	>=0.5	Pass
NVNT	ac40	5310	Ant1	50.781	>=0.5	Pass
NVNT	ac80	5290	Ant1	86.96	>=0.5	Pass

Test Graphs

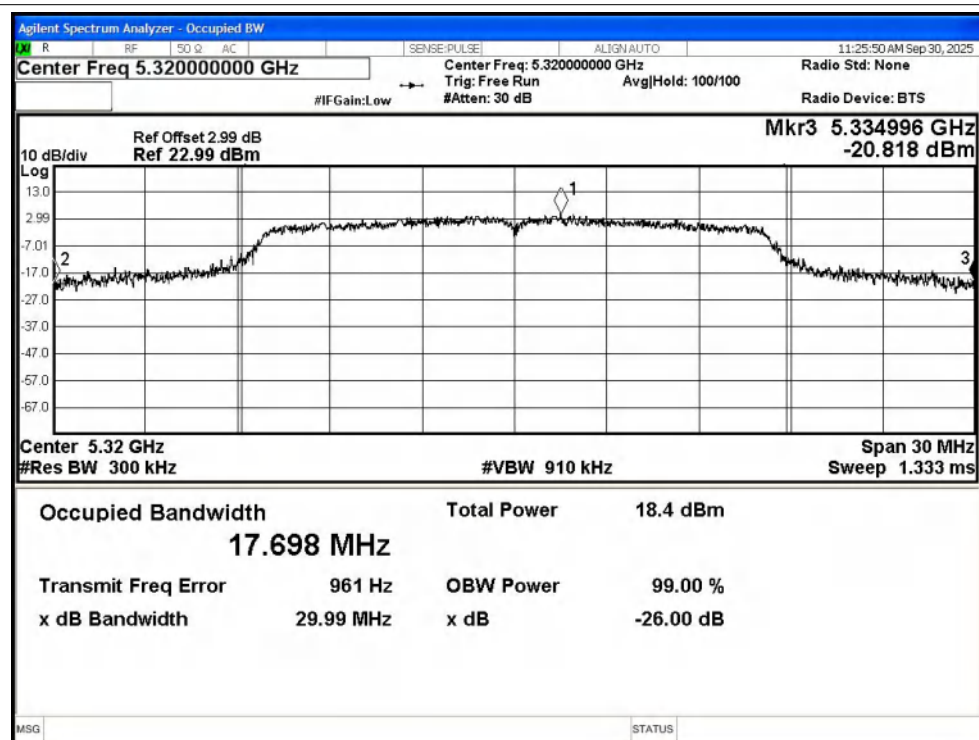
-26dB Bandwidth NVNT a 5260MHz Ant1



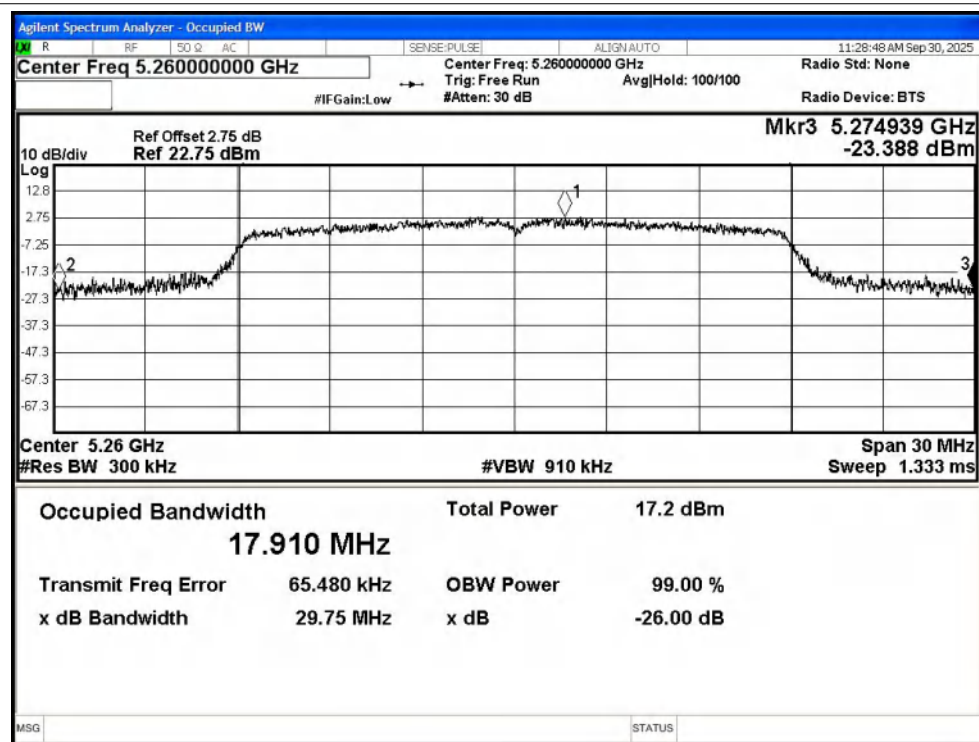
-26dB Bandwidth NVNT a 5300MHz Ant1



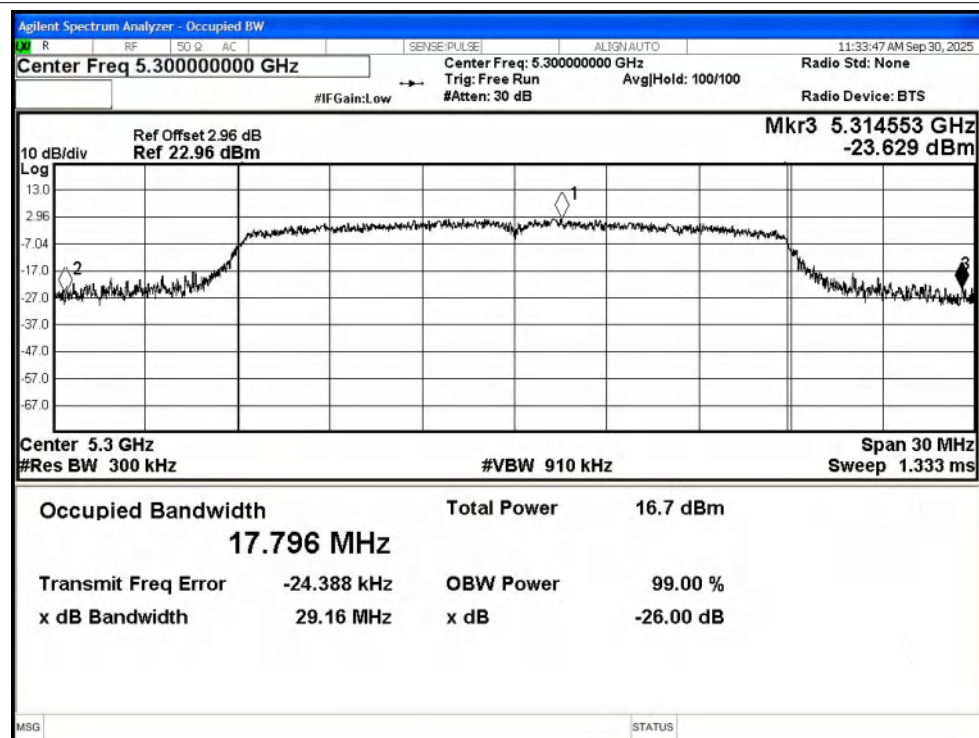
-26dB Bandwidth NVNT a 5320MHz Ant1



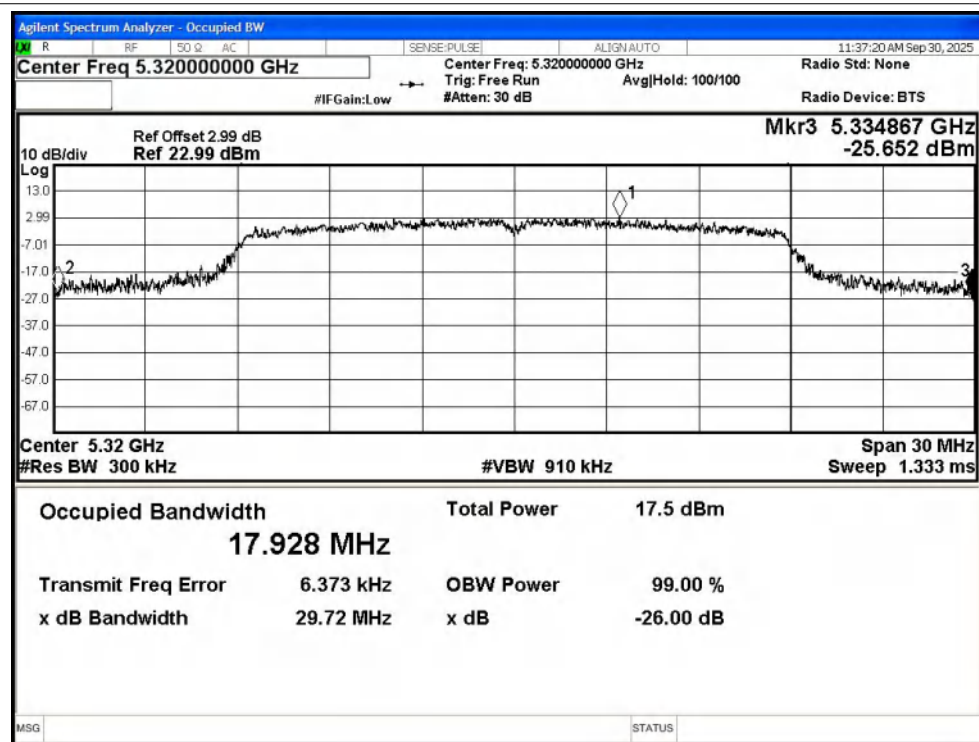
-26dB Bandwidth NVNT n20 5260MHz Ant1



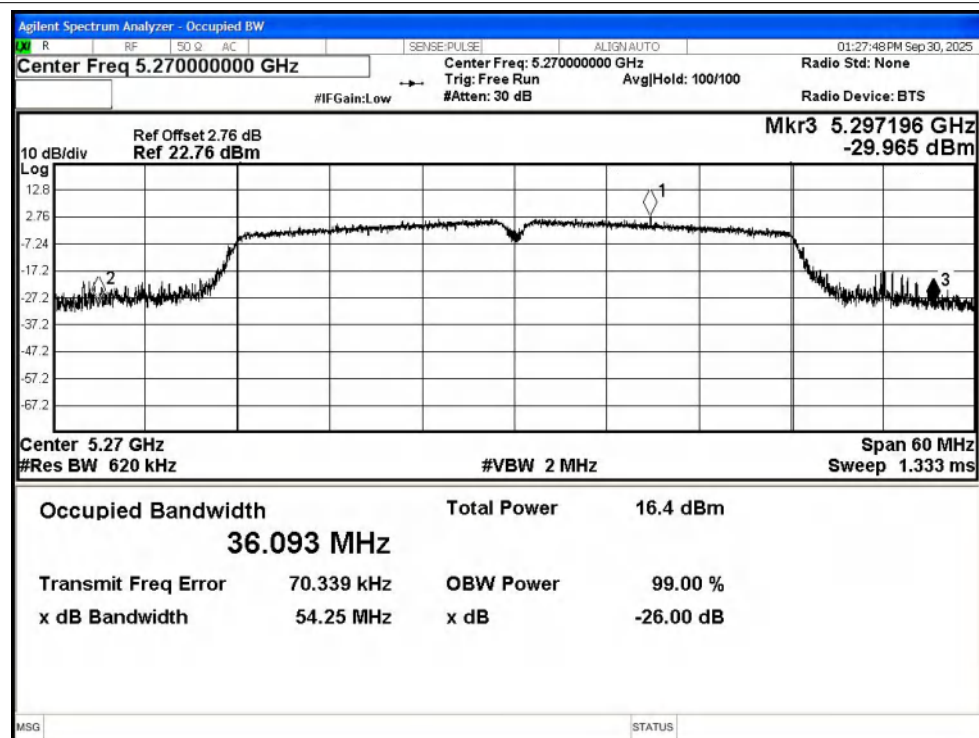
-26dB Bandwidth NVNT n20 5300MHz Ant1



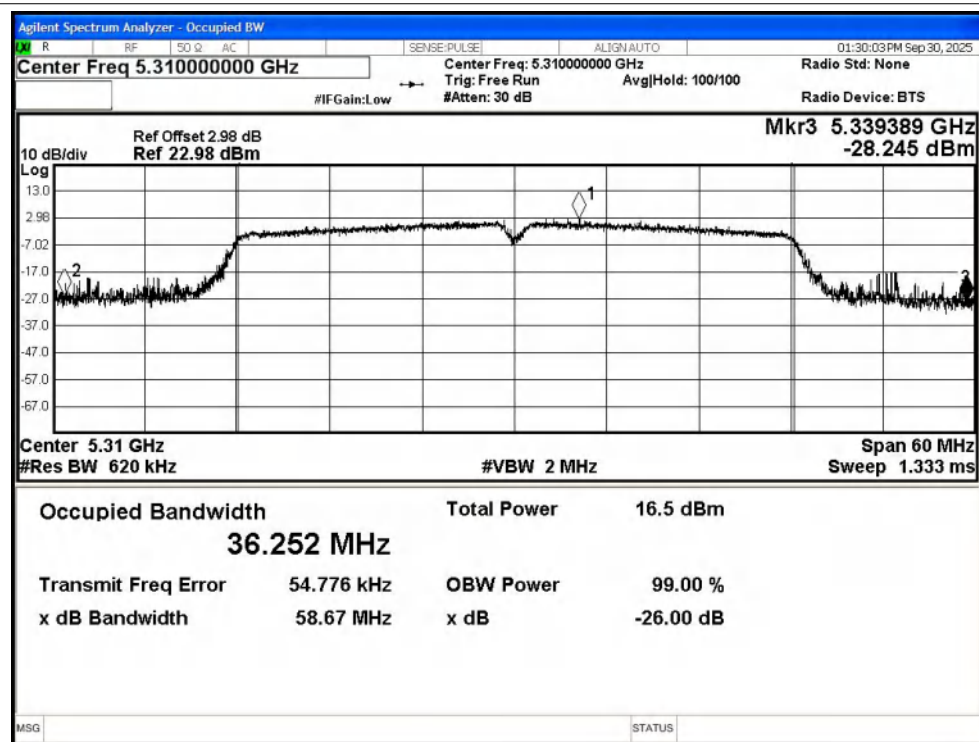
-26dB Bandwidth NVNT n20 5320MHz Ant1



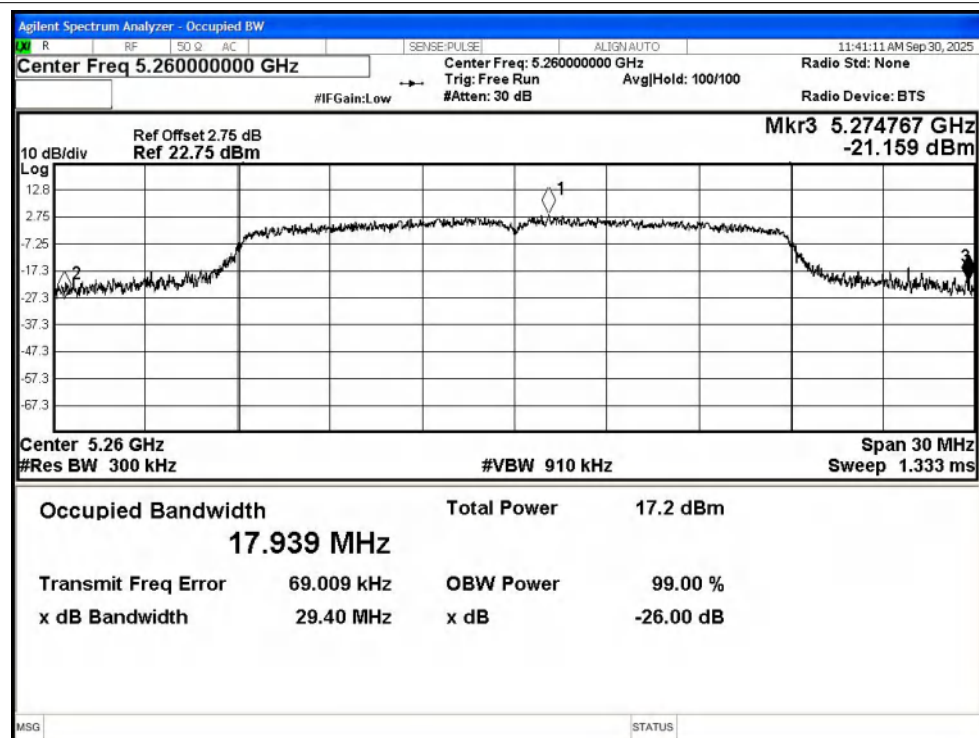
-26dB Bandwidth NVNT n40 5270MHz Ant1



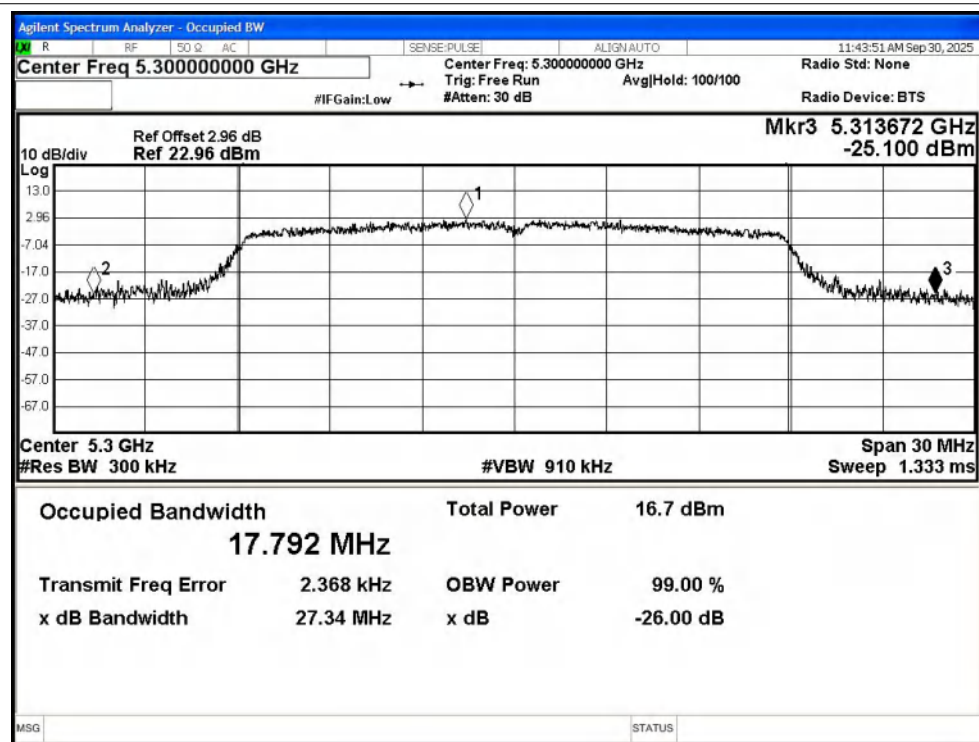
-26dB Bandwidth NVNT n40 5310MHz Ant1



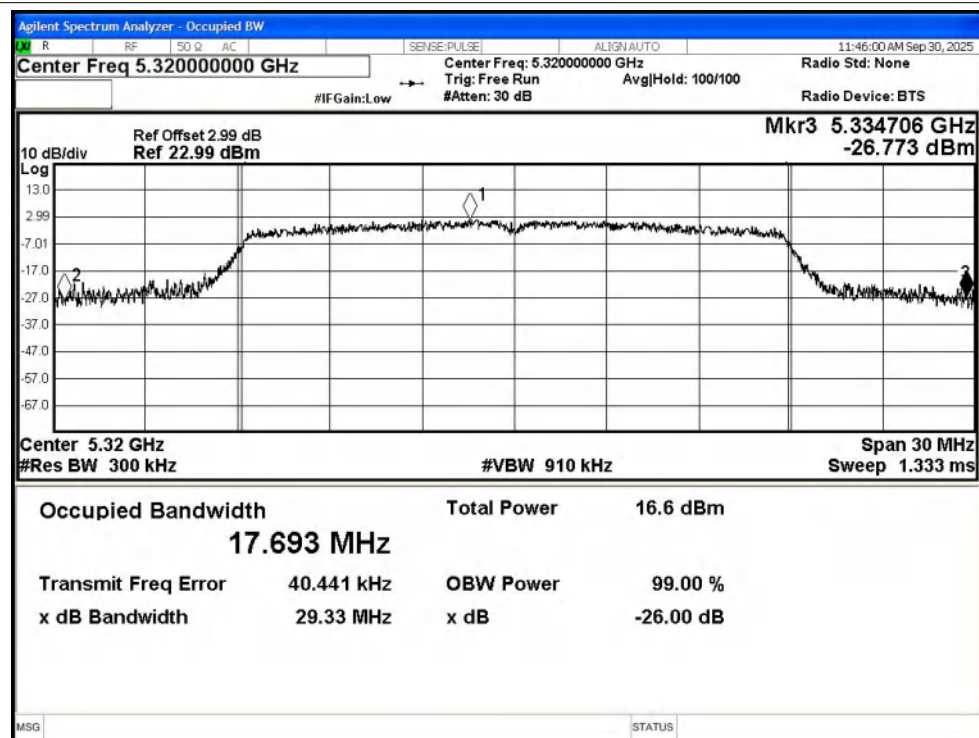
-26dB Bandwidth NVNT ac20 5260MHz Ant1



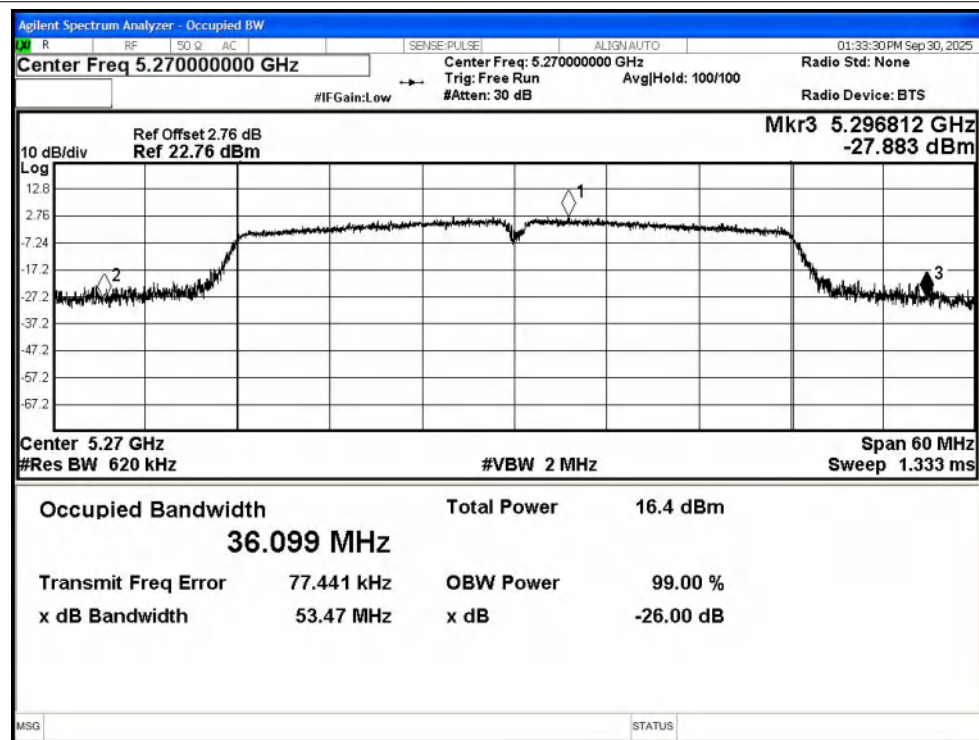
-26dB Bandwidth NVNT ac20 5300MHz Ant1



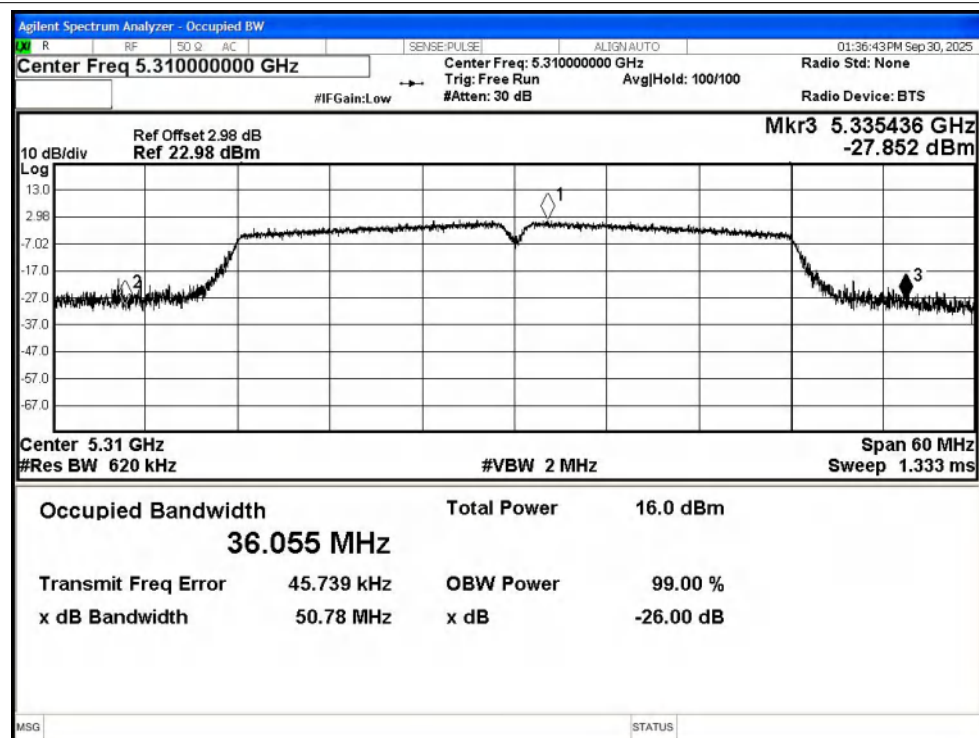
-26dB Bandwidth NVNT ac20 5320MHz Ant1



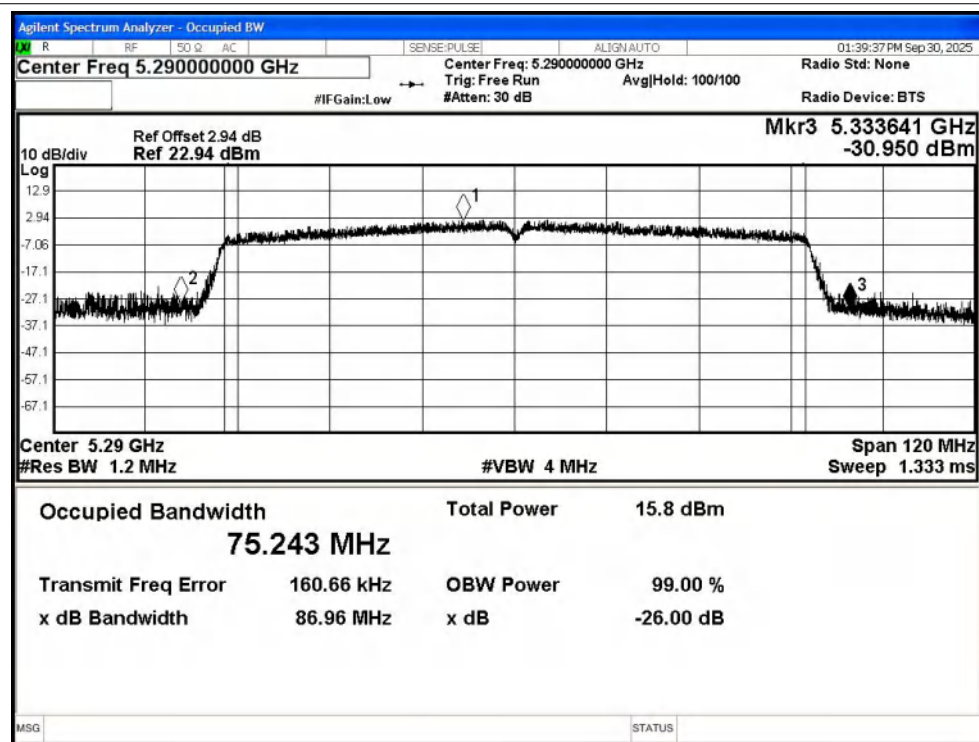
-26dB Bandwidth NVNT ac40 5270MHz Ant1



-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz Ant1



2 Maximum Conducted Output Power

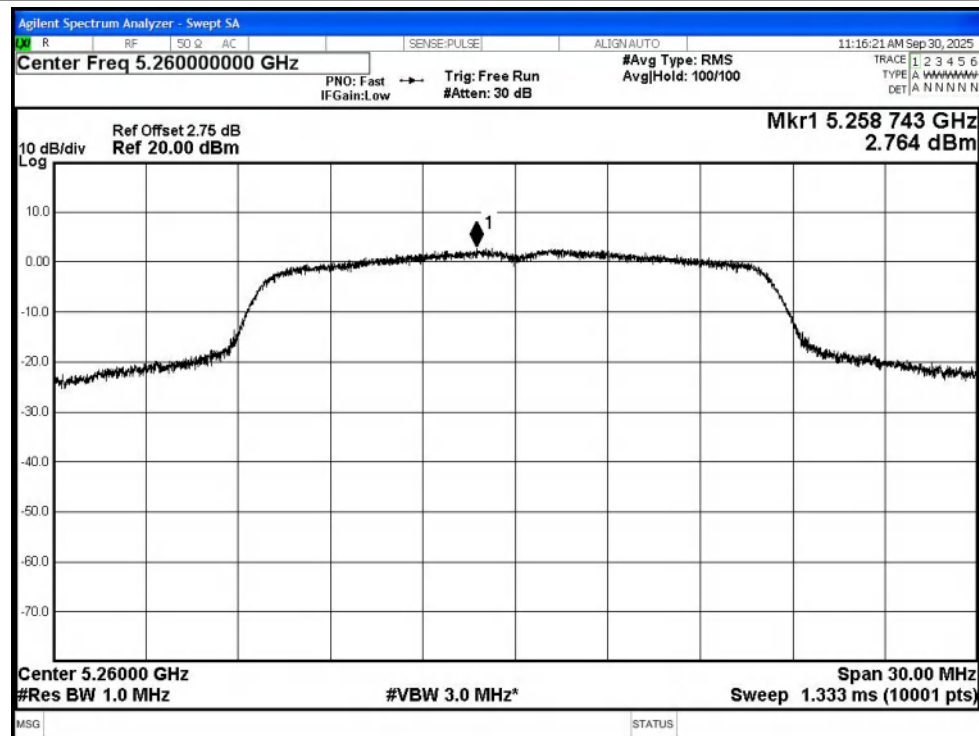
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	12.5	0.11	12.61	24	Pass
NVNT	a	5300	Ant1	12.66	0.11	12.77	24	Pass
NVNT	a	5320	Ant1	12.9	0.11	13.01	24	Pass
NVNT	n20	5260	Ant1	11.39	0.12	11.51	24	Pass
NVNT	n20	5300	Ant1	11.03	0.12	11.15	24	Pass
NVNT	n20	5320	Ant1	11.8	0.12	11.92	24	Pass
NVNT	n40	5270	Ant1	10.22	0.12	10.34	24	Pass
NVNT	n40	5310	Ant1	10.69	0.12	10.81	24	Pass
NVNT	ac20	5260	Ant1	11.45	0.11	11.56	24	Pass
NVNT	ac20	5300	Ant1	10.98	0.12	11.1	24	Pass
NVNT	ac20	5320	Ant1	10.9	0.11	11.01	24	Pass
NVNT	ac40	5270	Ant1	10.12	0.12	10.24	24	Pass
NVNT	ac40	5310	Ant1	10.26	0.12	10.38	24	Pass
NVNT	ac80	5290	Ant1	9.01	0.24	9.25	24	Pass

3 Maximum Power Spectral Density Level

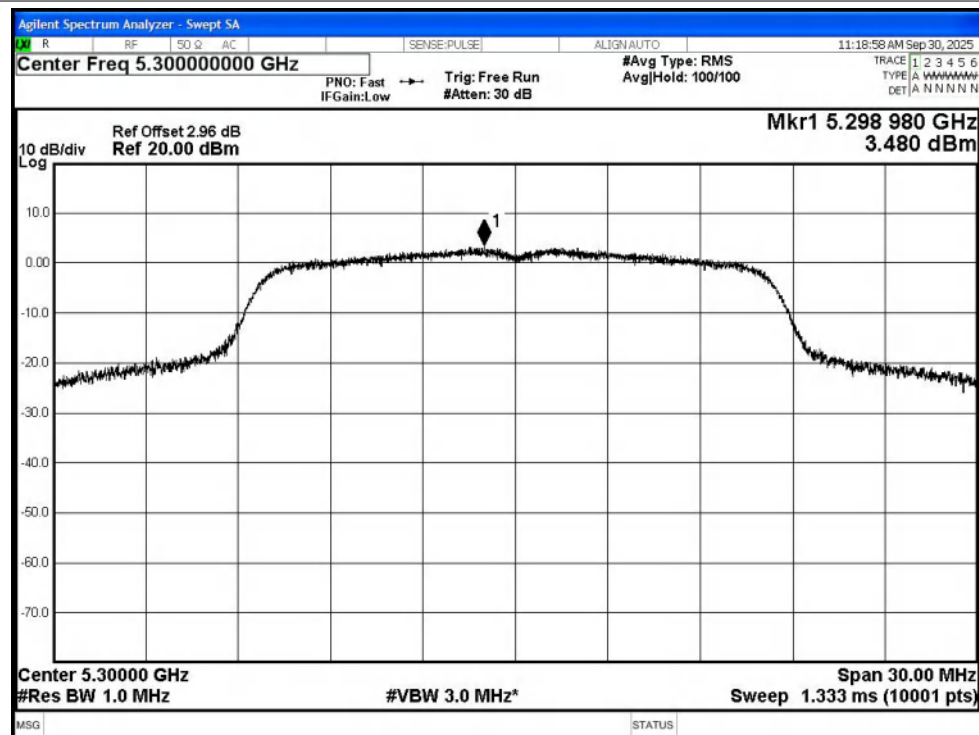
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	2.76	0.11	2.87	11	Pass
NVNT	a	5300	Ant1	3.48	0.11	3.59	11	Pass
NVNT	a	5320	Ant1	3.23	0.11	3.34	11	Pass
NVNT	n20	5260	Ant1	1.4	0.12	1.52	11	Pass
NVNT	n20	5300	Ant1	1.25	0.12	1.37	11	Pass
NVNT	n20	5320	Ant1	1.9	0.12	2.02	11	Pass
NVNT	n40	5270	Ant1	-2.37	0.12	-2.25	11	Pass
NVNT	n40	5310	Ant1	-1.99	0.12	-1.87	11	Pass
NVNT	ac20	5260	Ant1	1.66	0.11	1.77	11	Pass
NVNT	ac20	5300	Ant1	1.2	0.12	1.32	11	Pass
NVNT	ac20	5320	Ant1	1.16	0.11	1.27	11	Pass
NVNT	ac40	5270	Ant1	-2.25	0.12	-2.13	11	Pass
NVNT	ac40	5310	Ant1	-2.57	0.12	-2.45	11	Pass
NVNT	ac80	5290	Ant1	-6.66	0.24	-6.42	11	Pass

Test Graphs

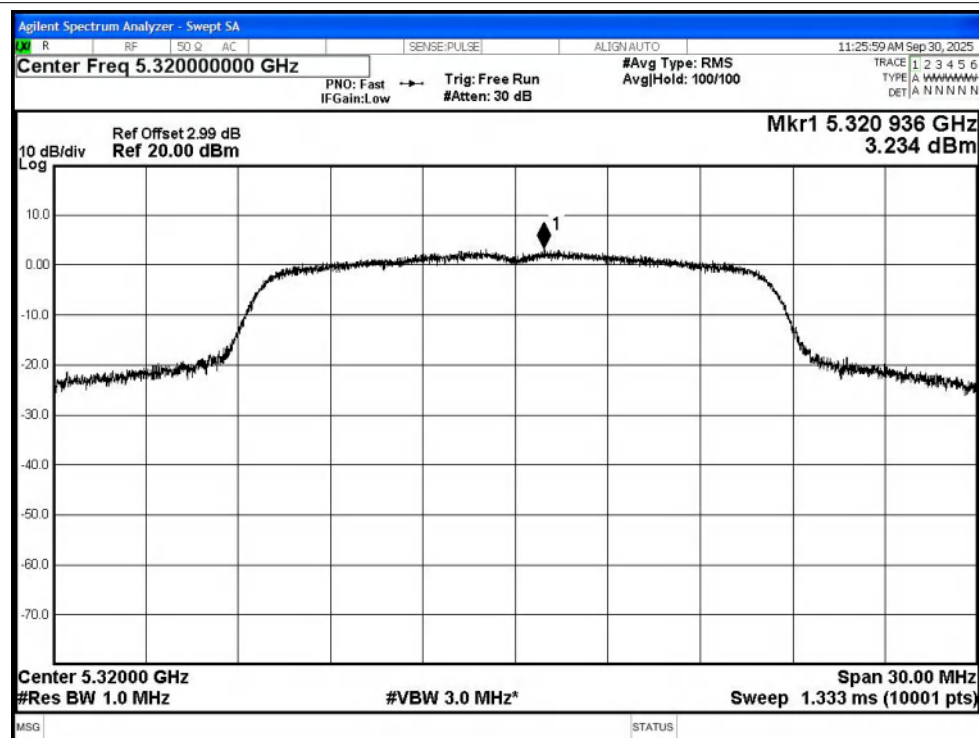
PSD NVNT a 5260MHz Ant1



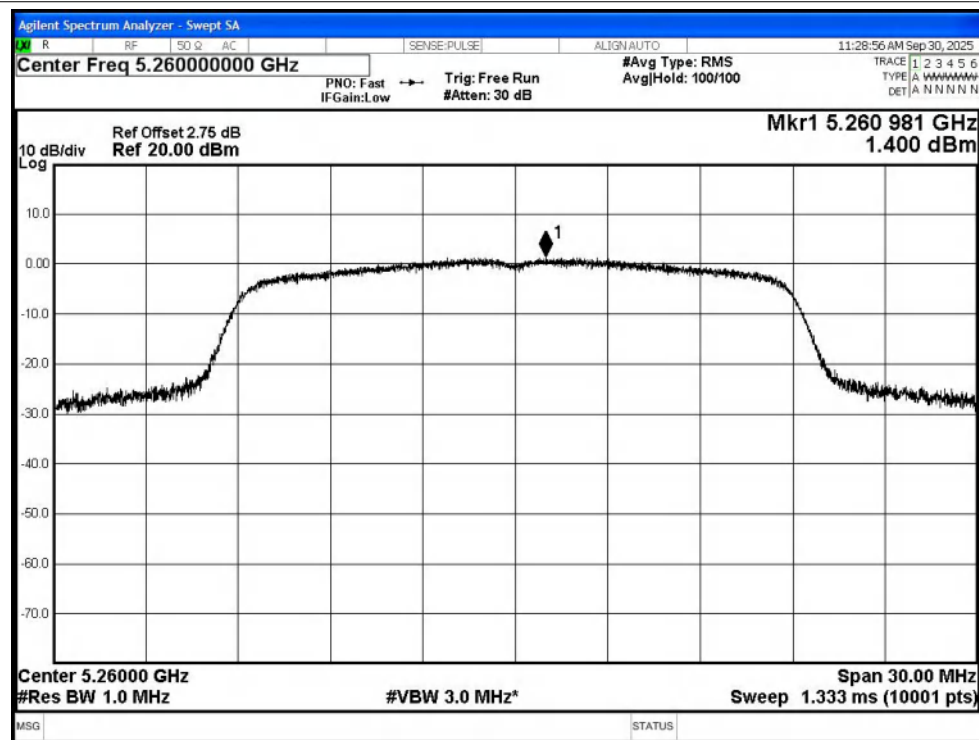
PSD NVNT a 5300MHz Ant1



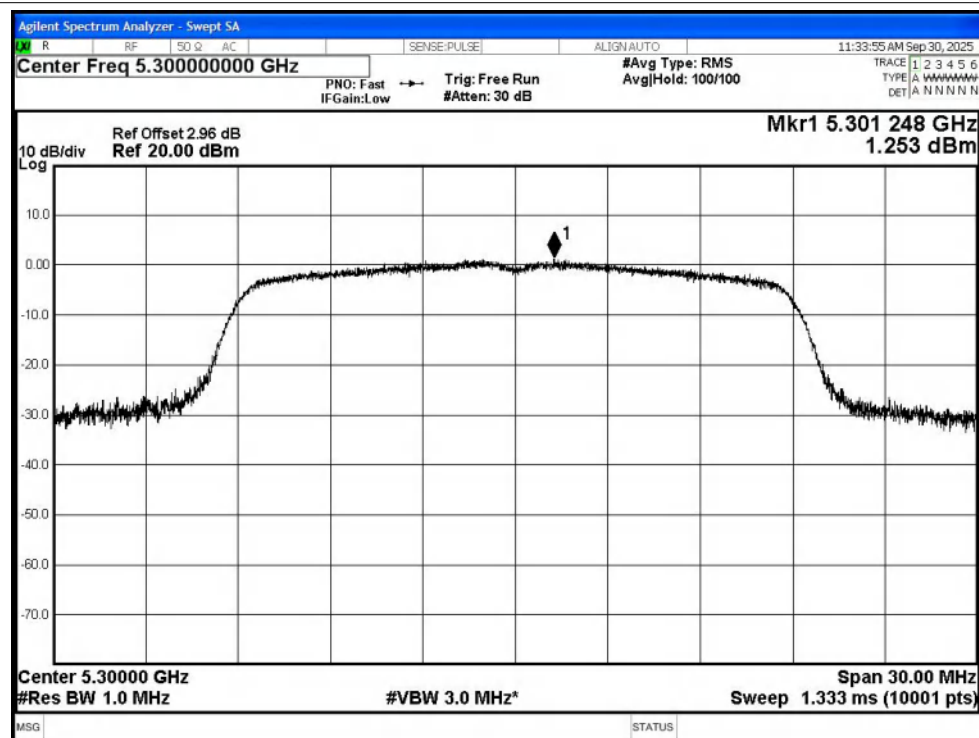
PSD NVNT a 5320MHz Ant1



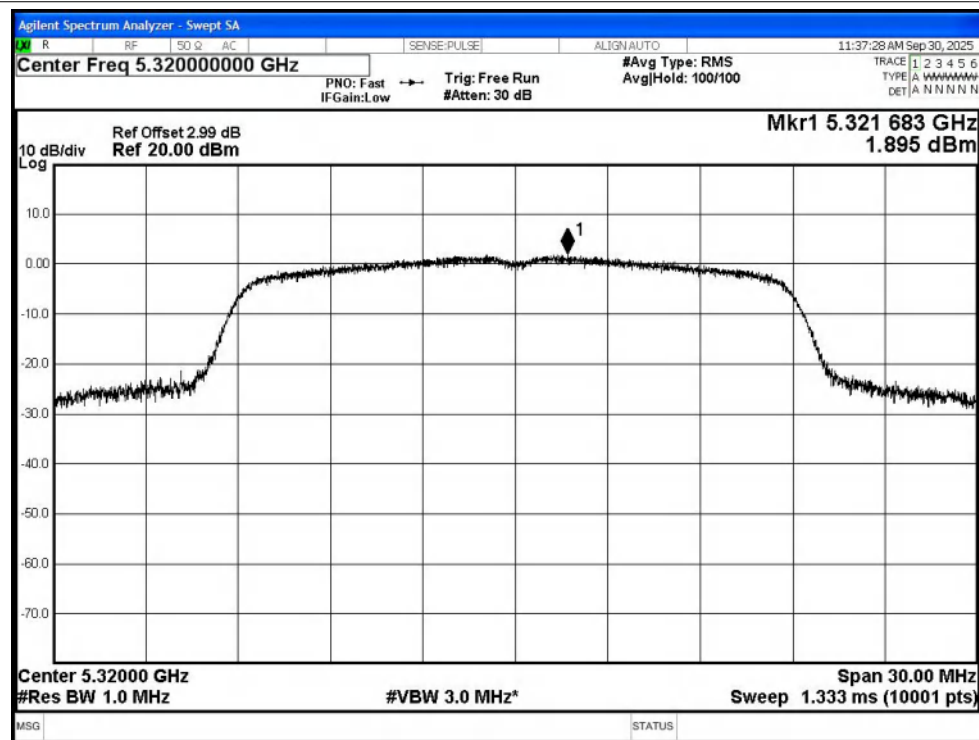
PSD NVNT n20 5260MHz Ant1



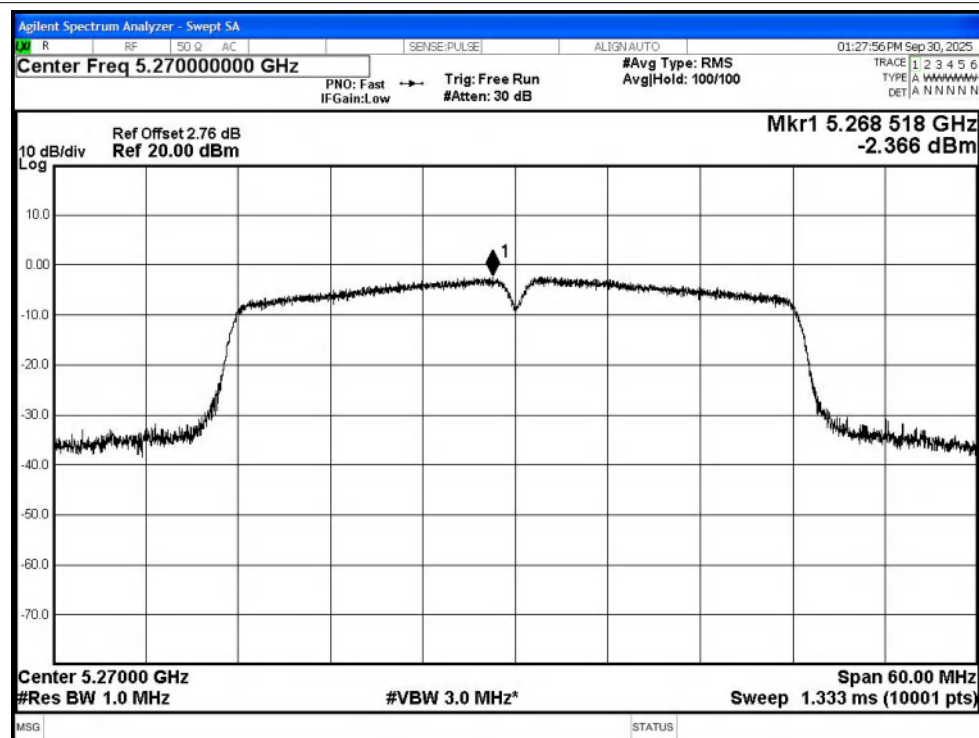
PSD NVNT n20 5300MHz Ant1



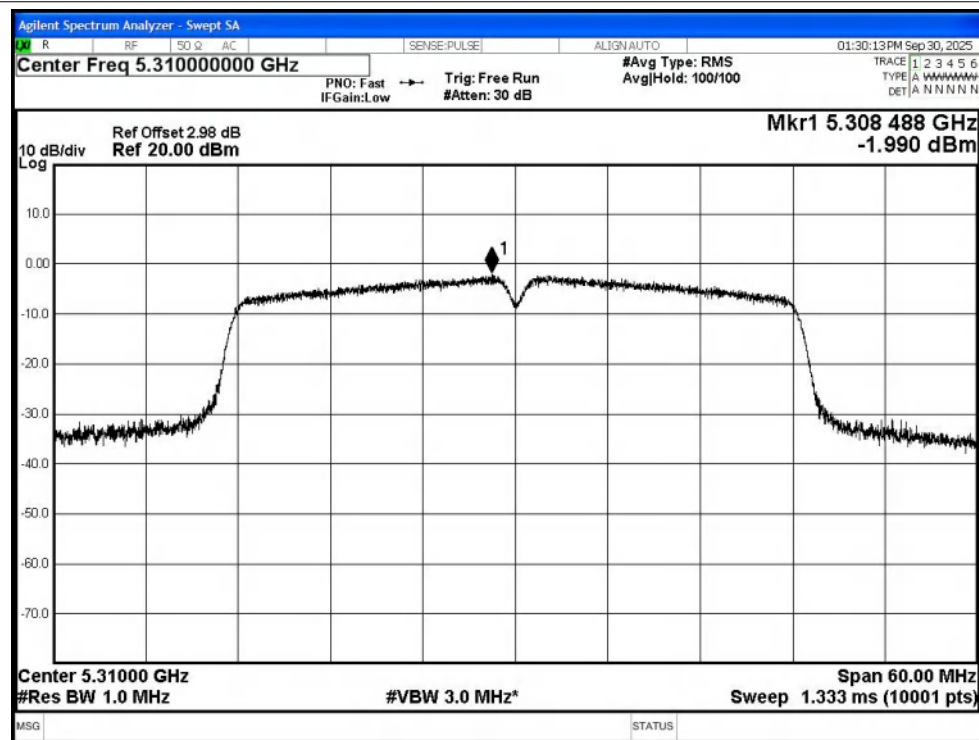
PSD NVNT n20 5320MHz Ant1



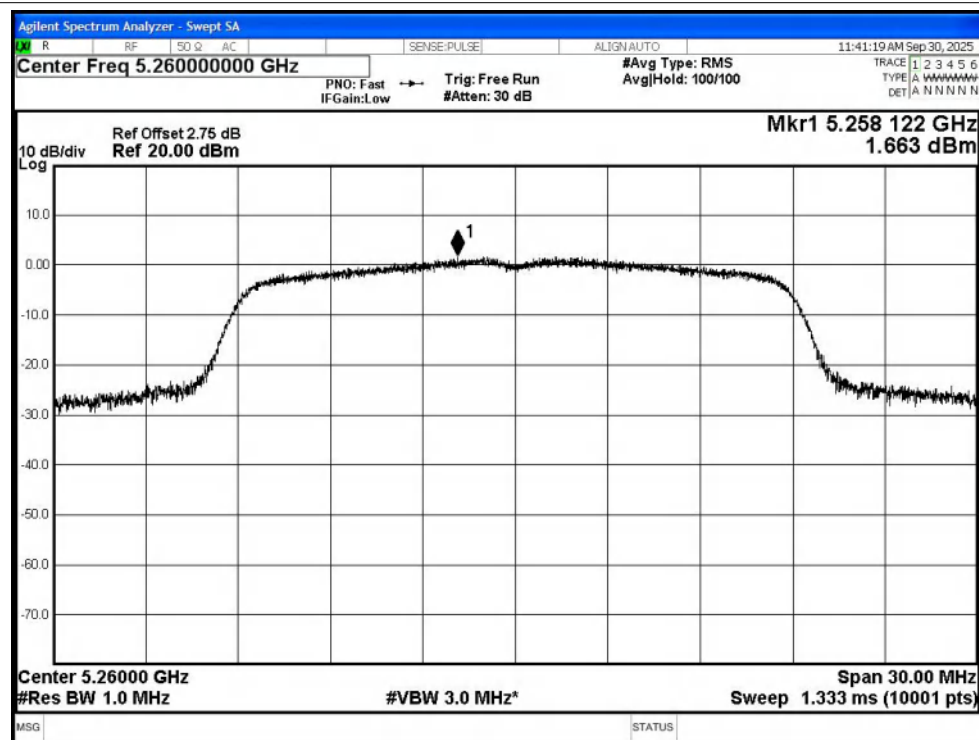
PSD NVNT n40 5270MHz Ant1



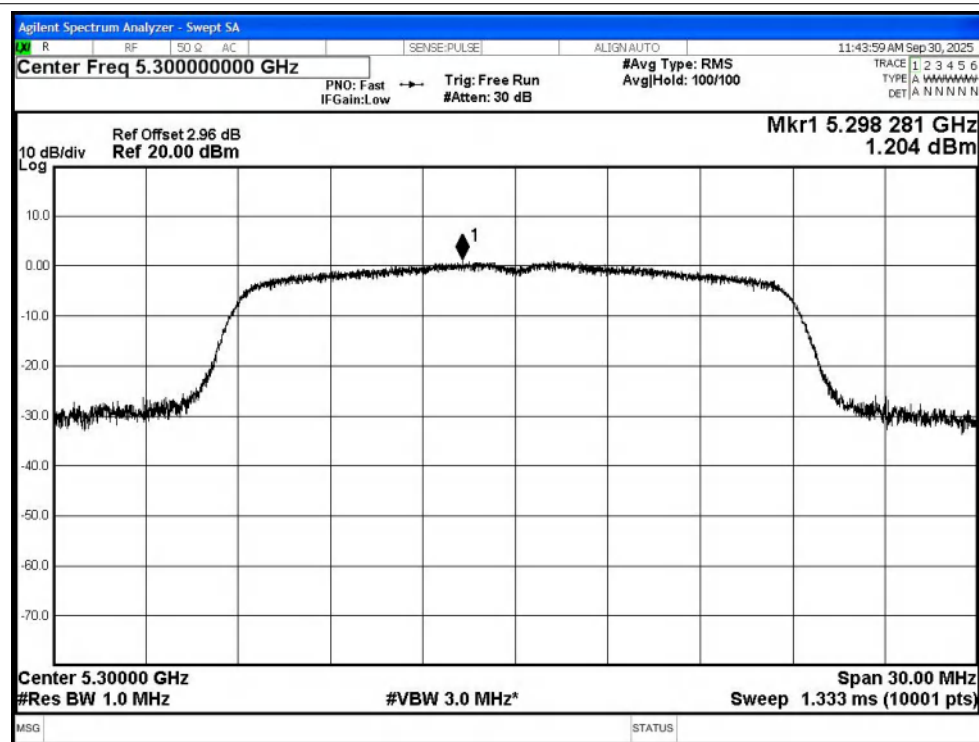
PSD NVNT n40 5310MHz Ant1



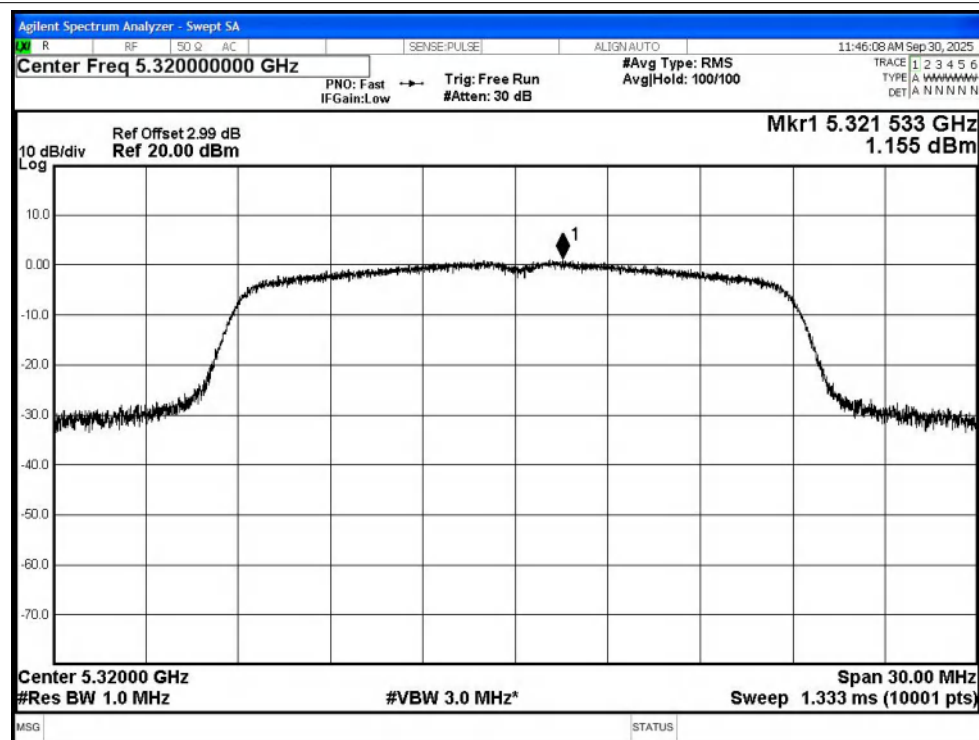
PSD NVNT ac20 5260MHz Ant1



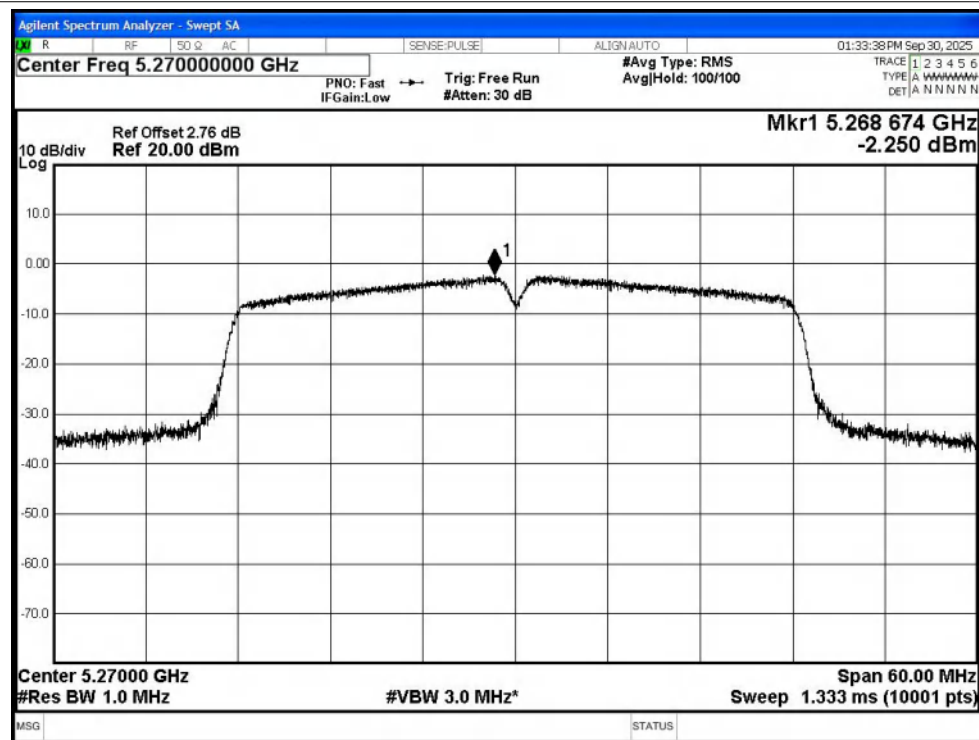
PSD NVNT ac20 5300MHz Ant1



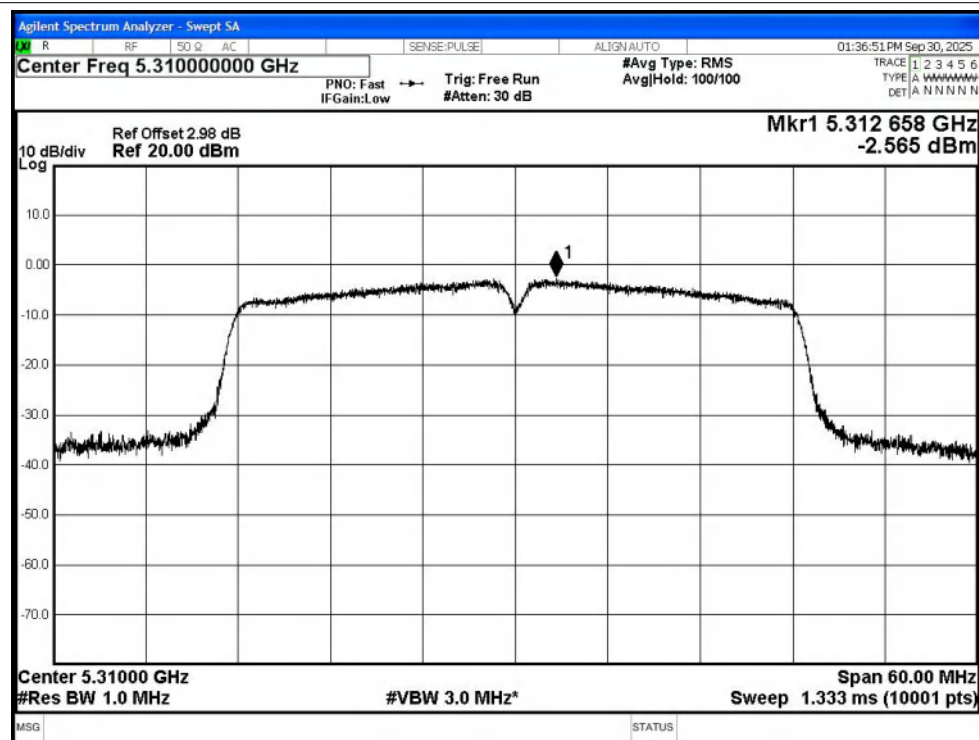
PSD NVNT ac20 5320MHz Ant1



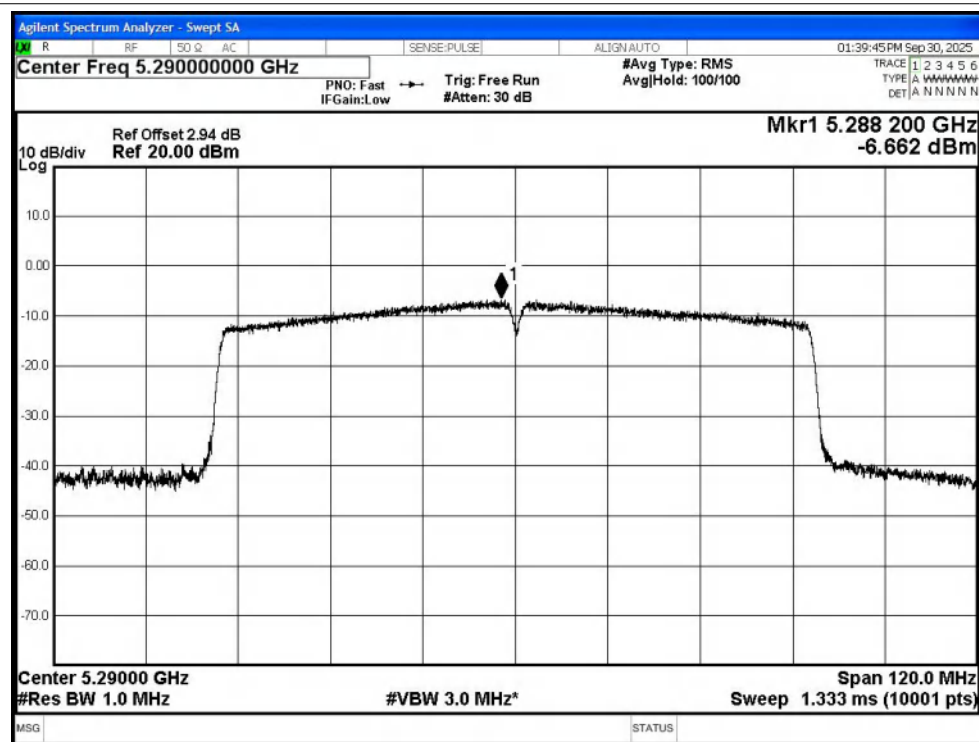
PSD NVNT ac40 5270MHz Ant1



PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac80 5290MHz Ant1



4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5260	Ant1	4500	-51.81	3.95	-	47.37	Peak	68.2	Pass
NVNT	a	5260	Ant1	4500	-59.62	3.95	0.11	39.67	Average	54	Pass
NVNT	a	5260	Ant1	5124.78	-46.98	3.95	-	52.2	Peak	68.2	Pass
NVNT	a	5260	Ant1	5092.02	-56.39	3.95	0.11	42.9	Average	54	Pass
NVNT	a	5260	Ant1	5150	-49.19	3.95	-	49.99	Peak	68.2	Pass
NVNT	a	5260	Ant1	5150	-57.39	3.95	0.11	41.9	Average	54	Pass
NVNT	a	5320	Ant1	5350	-49.61	3.95	-	49.57	Peak	68.2	Pass
NVNT	a	5320	Ant1	5350	-56.07	3.95	0.11	43.22	Average	54	Pass
NVNT	a	5320	Ant1	5352.4	-45.84	3.95	-	53.34	Peak	68.2	Pass
NVNT	a	5320	Ant1	5351.4	-55.91	3.95	0.11	43.38	Average	54	Pass
NVNT	a	5320	Ant1	5460	-50.06	3.95	-	49.12	Peak	68.2	Pass
NVNT	a	5320	Ant1	5460	-57.75	3.95	0.11	41.54	Average	54	Pass
NVNT	n20	5260	Ant1	4500	-50.01	3.95	-	49.17	Peak	68.2	Pass
NVNT	n20	5260	Ant1	4500	-59.28	3.95	0.12	40.02	Average	54	Pass
NVNT	n20	5260	Ant1	5066.28	-46.09	3.95	-	53.09	Peak	68.2	Pass
NVNT	n20	5260	Ant1	5087.34	-56.52	3.95	0.12	42.78	Average	54	Pass
NVNT	n20	5260	Ant1	5150	-48.51	3.95	-	50.67	Peak	68.2	Pass
NVNT	n20	5260	Ant1	5150	-56.79	3.95	0.12	42.51	Average	54	Pass
NVNT	n20	5320	Ant1	5350	-48.99	3.95	-	50.19	Peak	68.2	Pass
NVNT	n20	5320	Ant1	5350	-56.62	3.95	0.12	42.68	Average	54	Pass
NVNT	n20	5320	Ant1	5352	-38.68	3.95	-	60.5	Peak	68.2	Pass
NVNT	n20	5320	Ant1	5353.4	-55.64	3.95	0.12	43.66	Average	54	Pass
NVNT	n20	5320	Ant1	5460	-51.56	3.95	-	47.62	Peak	68.2	Pass
NVNT	n20	5320	Ant1	5460	-57.44	3.95	0.12	41.86	Average	54	Pass
NVNT	n40	5270	Ant1	4500	-49.37	3.95	-	49.81	Peak	68.2	Pass
NVNT	n40	5270	Ant1	4500	-58.63	3.95	0.12	40.67	Average	54	Pass
NVNT	n40	5270	Ant1	5100.21	-46.59	3.95	-	52.59	Peak	68.2	Pass
NVNT	n40	5270	Ant1	5116.41	-56.44	3.95	0.12	42.86	Average	54	Pass
NVNT	n40	5270	Ant1	5150	-48.79	3.95	-	50.39	Peak	68.2	Pass
NVNT	n40	5270	Ant1	5150	-56.81	3.95	0.12	42.49	Average	54	Pass
NVNT	n40	5310	Ant1	5350	-46.06	3.95	-	53.12	Peak	68.2	Pass
NVNT	n40	5310	Ant1	5350	-55.26	3.95	0.12	44.04	Average	54	Pass
NVNT	n40	5310	Ant1	5353.8	-44.86	3.95	-	54.32	Peak	68.2	Pass
NVNT	n40	5310	Ant1	5460	-50.58	3.95	-	48.6	Peak	68.2	Pass
NVNT	n40	5310	Ant1	5460	-57.95	3.95	0.12	41.35	Average	54	Pass
NVNT	ac20	5260	Ant1	4500	-50.47	3.95	-	48.71	Peak	68.2	Pass
NVNT	ac20	5260	Ant1	4500	-59.2	3.95	0.11	40.09	Average	54	Pass
NVNT	ac20	5260	Ant1	5144.28	-46.63	3.95	-	52.55	Peak	68.2	Pass
NVNT	ac20	5260	Ant1	5091.24	-56.22	3.95	0.11	43.07	Average	54	Pass

NVNT	ac20	5260	Ant1	5150	-49.97	3.95	-	49.21	Peak	68.2	Pass
NVNT	ac20	5260	Ant1	5150	-56.96	3.95	0.11	42.33	Average	54	Pass
NVNT	ac20	5320	Ant1	5350	-47.99	3.95	-	51.19	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5350	-57.05	3.95	0.11	42.24	Average	54	Pass
NVNT	ac20	5320	Ant1	5394	-46.58	3.95	-	52.6	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5353	-56.61	3.95	0.11	42.68	Average	54	Pass
NVNT	ac20	5320	Ant1	5460	-49.31	3.95	-	49.87	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5460	-57.94	3.95	0.11	41.35	Average	54	Pass
NVNT	ac40	5270	Ant1	4500	-51.25	3.95	-	47.93	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	4500	-59.4	3.95	0.12	39.9	Average	54	Pass
NVNT	ac40	5270	Ant1	4788.36	-46.71	3.95	-	52.47	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	5117.22	-56.41	3.95	0.12	42.89	Average	54	Pass
NVNT	ac40	5270	Ant1	5150	-48.89	3.95	-	50.29	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	5150	-57.52	3.95	0.12	41.78	Average	54	Pass
NVNT	ac40	5310	Ant1	5350	-47.19	3.95	-	51.99	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5350	-55.88	3.95	0.12	43.42	Average	54	Pass
NVNT	ac40	5310	Ant1	5372.6	-46.61	3.95	-	52.57	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5351.4	-55.38	3.95	0.12	43.92	Average	54	Pass
NVNT	ac40	5310	Ant1	5460	-50.31	3.95	-	48.87	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5460	-58.06	3.95	0.12	41.24	Average	54	Pass
NVNT	ac80	5290	Ant1	4500	-50.56	3.95	-	48.62	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	4500	-58.96	3.95	0.24	40.46	Average	54	Pass
NVNT	ac80	5290	Ant1	5144.67	-43.94	3.95	-	55.24	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5149.02	-54.99	3.95	0.24	44.43	Average	54	Pass
NVNT	ac80	5290	Ant1	5150	-47.11	3.95	-	52.07	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5150	-55.2	3.95	0.24	44.22	Average	54	Pass
NVNT	ac80	5290	Ant1	5350	-46.19	3.95	-	52.99	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5350	-53.63	3.95	0.24	45.79	Average	54	Pass
NVNT	ac80	5290	Ant1	5350.5	-42.56	3.95	-	56.62	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5350.5	-53.26	3.95	0.24	46.16	Average	54	Pass
NVNT	ac80	5290	Ant1	5460	-50.6	3.95	-	48.58	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5460	-57.86	3.95	0.24	41.56	Average	54	Pass

Agilent Spectrum Analyzer - Swept SA

Center Freq 4.890000000 GHz

Ref Offset 2.75 dB
Ref 20.00 dBm

10 dB/div

Log

Mkr1 5.262 06 GHz
8.493 dBm

Start 4.5000 GHz
#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 5.2800 GHz
Sweep 1.333 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.262 06 GHz	8.493 dBm			
2	N		f	4.500 00 GHz	-50.005 dBm			
3	N		f	5.150 00 GHz	-48.508 dBm			
4	N		f	5.066 28 GHz	-46.094 dBm			

Agilent Spectrum Analyzer - Swept SA

Center Freq 4.890000000 GHz

Ref Offset 2.75 dB
Ref 20.00 dBm

Mkr1 5.261 28 GHz
0.321 dBm

Start 4.5000 GHz
#Res BW 1.0 MHz

Stop 5.2800 GHz
Sweep 1.333 ms (1001 pts)

#VBW 3.0 MHz*

Trig: Free Run
#Atten: 30 dB

11:29:46 AM Sep 30, 2025

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

10 dB/div
Log

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.261 28 GHz	0.321 dBm			
2	N		f	4.500 00 GHz	-59.280 dBm			
3	N		f	5.150 00 GHz	-56.787 dBm			
4	N		f	5.087 34 GHz	-56.517 dBm			
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.40000000 GHz

Ref Offset 2.99 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 5.321 6 GHz
4.634 dBm

Start 5.3000 GHz
#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 5.5000 GHz
Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.321 6 GHz	4.634 dBm			
2	N		f	5.350 0 GHz	-48.987 dBm			
3	N		f	5.460 0 GHz	-51.557 dBm			
4	N		f	5.352 0 GHz	-38.678 dBm			

Restrict Band NVNT n20 5320MHz Ant1 Average

Agilent Spectrum Analyzer - Swept SA
R RF SO Q AC SENSE-PULSE ALIGN AUTO 11:39:27 AM Sep 30, 2025
Center Freq 5.400000000 GHz #Avg Type: RMS Avg/Hold: 100/100
PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB
TRACE [1 2 3 4 5] TYPE A W W W W W W W DET A N N N N N N
Ref Offset 2.99 dB Mkr1 5.319 4 GHz
Ref 20.00 dBm -3.040 dBm
10 dB/div Log
Start 5.3000 GHz Stop 5.5000 GHz
#Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.000 ms (1001 pts)
TABLE
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N f 5.319 4 GHz -3.040 dBm
2 N f 5.350 0 GHz -56.619 dBm
3 N f 5.460 0 GHz -57.437 dBm
4 N f 5.353 4 GHz -55.644 dBm
5
6
7
8
9
10
11
MSG STATUS

Agilent Spectrum Analyzer - Swept SA

Center Freq 4.905000000 GHz

Ref Offset 2.76 dB
Ref 20.00 dBm

10 dB/div

Log

Start 4.5000 GHz
#Res BW 1.0 MHz

Stop 5.3100 GHz
Sweep 1.400 ms (1001 pts)

#VBW 3.0 MHz

Mkr1 5.271 93 GHz
4.534 dBm

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.271 93 GHz	4.534 dBm			
2	N		f	4.500 00 GHz	-49.370 dBm			
3	N		f	5.150 00 GHz	-48.792 dBm			
4	N		f	5.100 21 GHz	-46.589 dBm			

[illegible]

Agilent Spectrum Analyzer - Sweep SA

Center Freq 5.370000000 GHz

Ref Offset 2.98 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 5.312 0 GHz
-0.556 dBm

Start 5.2700 GHz
#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 5.4700 GHz
Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.312 0 GHz	-0.556 dBm			
2	N		f	5.350 0 GHz	-46.060 dBm			
3	N		f	5.460 0 GHz	-50.575 dBm			
4	N		f	5.353 8 GHz	-44.862 dBm			

[illegible]

Agilent Spectrum Analyzer - Swept SA

Center Freq 4.905000000 GHz

Ref Offset 2.76 dB
Ref 20.00 dBm

10 dB/div

Log

Mkr1 5.272 74 GHz
5.081 dBm

Start 4.5000 GHz
#Res BW 1.0 MHz

Stop 5.3100 GHz
Sweep 1.400 ms (1001 pts)

#VBW 3.0 MHz

Trig: Free Run
#Atten: 30 dB

#Avg Type: RMS
AvgHold: 100/100

PN0: Fast
IFGain: Low

01:34:36 PM Sep 30, 2025

TRACE 1 2 3 4 5 6
TYPE M M M M M M M M
DET P N N N N N N

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.272 74 GHz	5.081 dBm			
2	N		f	4.500 00 GHz	-51.247 dBm			
3	N		f	5.150 00 GHz	-48.885 dBm			
4	N		f	4.788 36 GHz	-46.705 dBm			

Agilent Spectrum Analyzer - Swept SA

Center Freq 4.905000000 GHz

Ref Offset 2.76 dB
Ref 20.00 dBm

PNO: Fast IFGain: Low

Trig: Free Run
#Atten: 30 dB

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

01:34:41 PM Sep 30, 2025

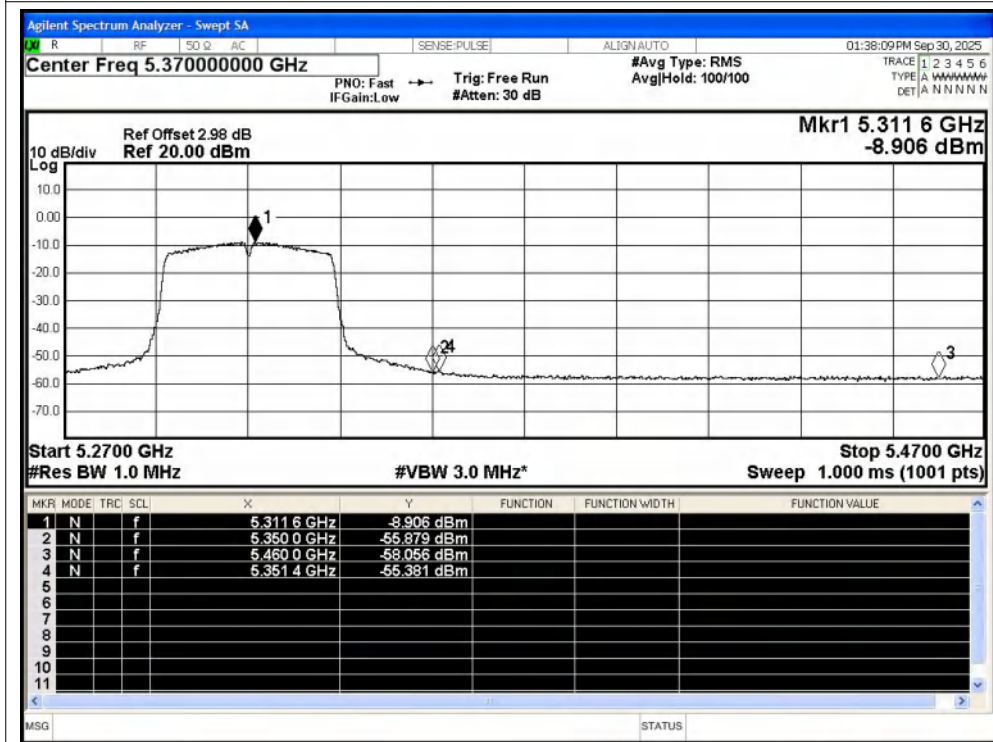
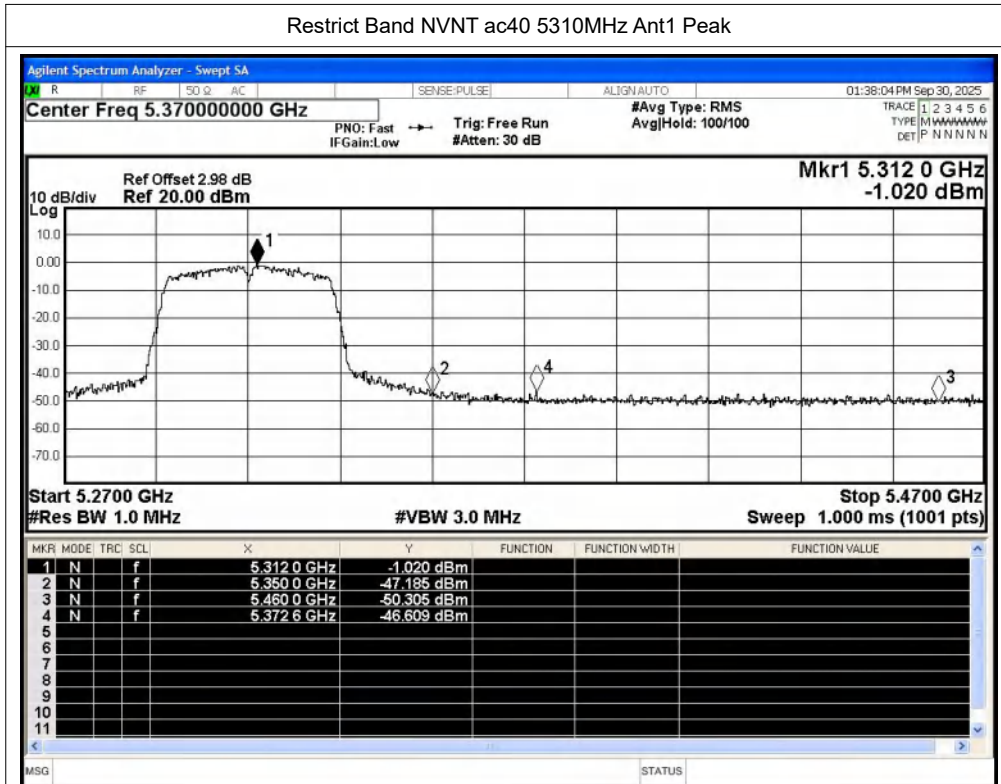
TRACE 1 2 3 4 5 6
TYPE A W W W W W W W W
DET A N N N N N N

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.271 12 GHz	-3.138 dBm			
2	N		f	4.500 00 GHz	-59.396 dBm			
3	N		f	5.150 00 GHz	-57.515 dBm			
4	N		f	5.117 22 GHz	-56.414 dBm			
5								
6								
7								
8								
9								
10								
11								

Start 4.5000 GHz
#Res BW 1.0 MHz

Stop 5.3100 GHz
Sweep 1.400 ms (1001 pts)

#VBW 3.0 MHz*



Agilent Spectrum Analyzer - Swept SA

Center Freq 4.935000000 GHz

Ref Offset 2.94 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 5.286 48 GHz
0.451 dBm

Start 4.5000 GHz
#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 5.3700 GHz
Sweep 1.467 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	5.286 48 GHz	0.451 dBm			
2	N		f	4.500 00 GHz	-50.563 dBm			
3	N		f	5.150 00 GHz	-47.109 dBm			
4	N		f	5.144 67 GHz	-43.936 dBm			

Agilent Spectrum Analyzer - Swept SA

R RF SO Q AC SENSE-PULSE ALIGN AUTO 01:42:21 PM Sep 30, 2025

Center Freq 4.935000000 GHz

PNO: Fast IFGain: Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS AvgHold: 100/100

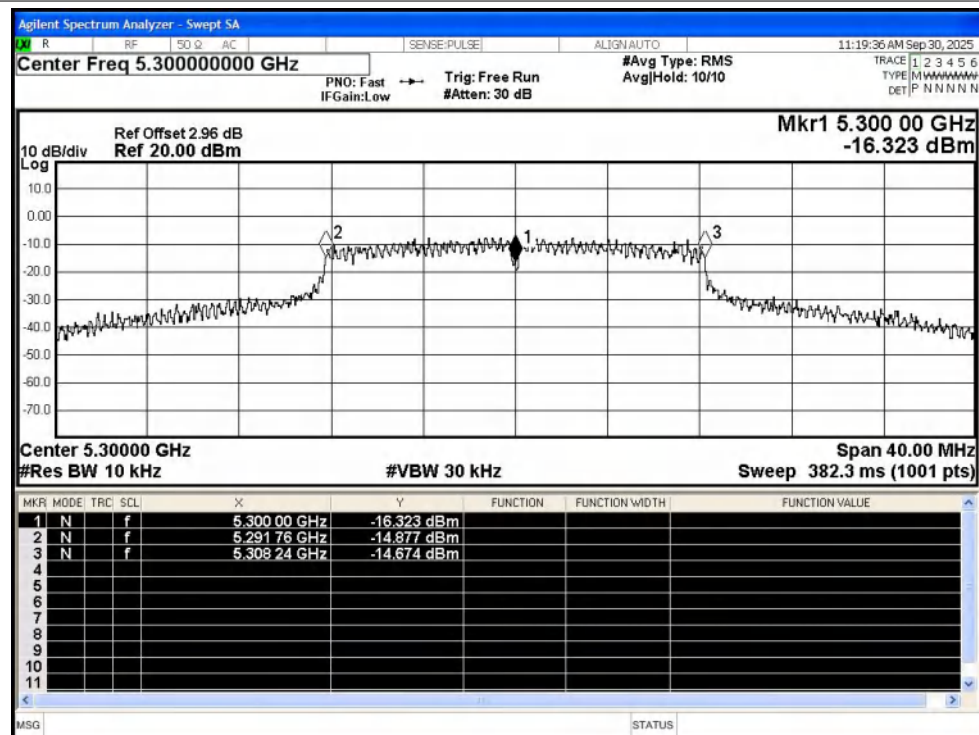
TRACE 1 2 3 4 5 6
TYPE A W W W W W W W
DET A N N N N N

MKR MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	5.292 57 GHz	-7.469 dBm			
2	N	f	4.500 00 GHz	-58.956 dBm			
3	N	f	5.150 00 GHz	-55.195 dBm			
4	N	f	5.149 02 GHz	-54.991 dBm			
5							
6							
7							
8							
9							
10							
11							

Start 4.5000 GHz Stop 5.3700 GHz
#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.467 ms (1001 pts)

5 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5260	Ant1	5260	0	0	25	Pass
NVNT	a	5300	Ant1	5300	0	0	25	Pass
NVNT	a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
NVNT	n20	5260	Ant1	5260	0	0	25	Pass
NVNT	n20	5300	Ant1	5300.02	20000	3.77	25	Pass
NVNT	n20	5320	Ant1	5320.02	20000	3.76	25	Pass
NVNT	n40	5270	Ant1	5270.04	40000	7.59	25	Pass
NVNT	n40	5310	Ant1	5310	0	0	25	Pass
NVNT	ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
NVNT	ac20	5300	Ant1	5300	0	0	25	Pass
NVNT	ac20	5320	Ant1	5320.02	20000	3.76	25	Pass
NVNT	ac40	5270	Ant1	5270	0	0	25	Pass
NVNT	ac40	5310	Ant1	5310	0	0	25	Pass
NVNT	ac80	5290	Ant1	5290	0	0	25	Pass



[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

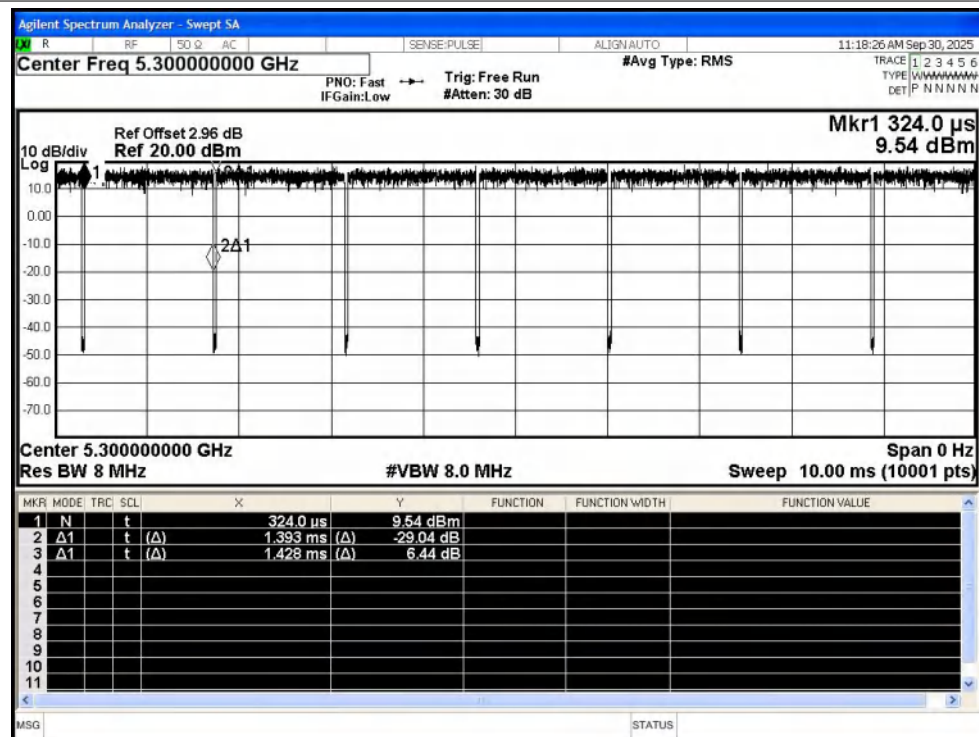
[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	97.55	0.11	0.72
NVNT	a	5300	Ant1	97.55	0.11	0.72
NVNT	a	5320	Ant1	97.55	0.11	0.72
NVNT	n20	5260	Ant1	97.31	0.12	0.77
NVNT	n20	5300	Ant1	97.31	0.12	0.77
NVNT	n20	5320	Ant1	97.31	0.12	0.77
NVNT	n40	5270	Ant1	97.33	0.12	0.81
NVNT	n40	5310	Ant1	97.33	0.12	0.81
NVNT	ac20	5260	Ant1	97.4	0.11	0.76
NVNT	ac20	5300	Ant1	97.33	0.12	0.76
NVNT	ac20	5320	Ant1	97.4	0.11	0.76
NVNT	ac40	5270	Ant1	97.26	0.12	0.8
NVNT	ac40	5310	Ant1	97.34	0.12	0.8
NVNT	ac80	5290	Ant1	94.6	0.24	1.68



[illegible][illegible]

[illegible][illegible]

[illegible]

Duty Cycle NVNT n40 5310MHz Ant1

Agilent Spectrum Analyzer - Sweep SA

Center Freq 5.310000000 GHz #Avg Type: RMS

Ref Offset 2.98 dB Ref 20.00 dBm

Mkr1 539.0 μ s 1.74 dBm

10 dB/div Log

2A1

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	t		539.0 μ s	1.74 dBm			
2	Δ 1	t	(Δ)	1.241 ms	-18.68 dB			
3	Δ 1	t	(Δ)	1.275 ms	0.11 dB			
4								
5								
6								
7								
8								
9								
10								
11								

Center 5.310000000 GHz Span 0 Hz

Res BW 8 MHz #VBW 8.0 MHz Sweep 10.00 ms (10001 pts)

[illegible][illegible]

[illegible]

Duty Cycle NVNT ac40 5270MHz Ant1

The screenshot shows the Agilent Spectrum Analyzer interface. At the top, it says "Agilent Spectrum Analyzer - Swept SA". Below that, there are several tabs: "R", "RF", "50 Q", "AC", "SENSE-PULSE", "ALIGN-AUTO", and a timestamp "01:33:05 PM Sep 30, 2025". The main display area shows a spectrum plot with a noise floor around -10 dBm and several sharp downward spikes reaching down to -50 dBm. A marker labeled "Mkr1" is positioned at the top right of the plot area.

Center Freq 5.270000000 GHZ #Avg Type: RMS
PNO: Fast IFGain: Low Trig: Free Run #Atten: 30 dB
TRACE TYPE DET
Ref Offset 2.76 dB Mkr1 316.0 μs
Ref 20.00 dBm 5.56 dBm
10 dB/div Log
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		316.0 μs	5.56 dBm			
2 Δ1	t	(Δ)	1.244 ms	1.52 dB			
3 Δ1	t	(Δ)	1.279 ms	0.10 dB			
4							
5							
6							
7							
8							
9							
10							
11							

[illegible][illegible]