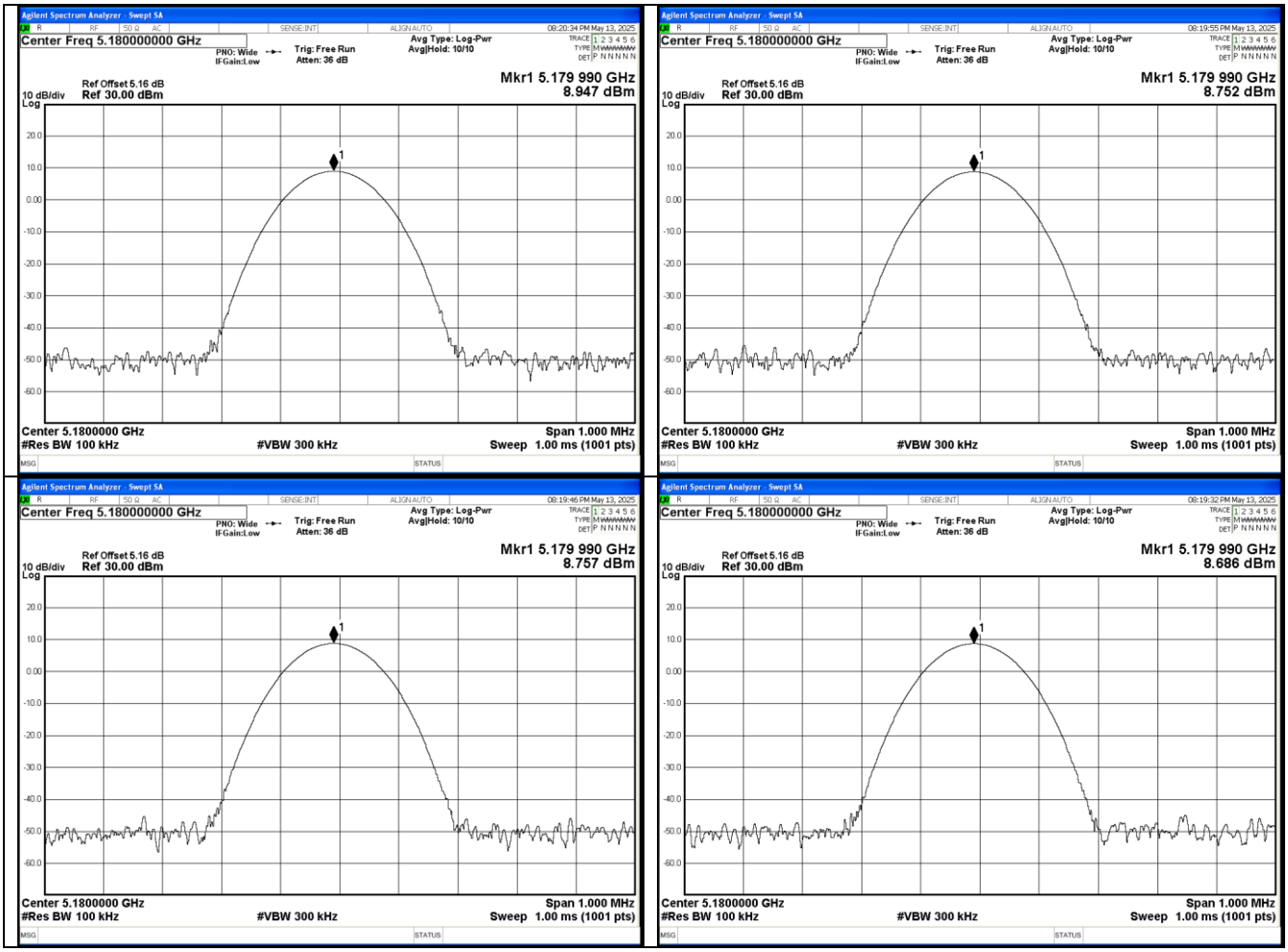
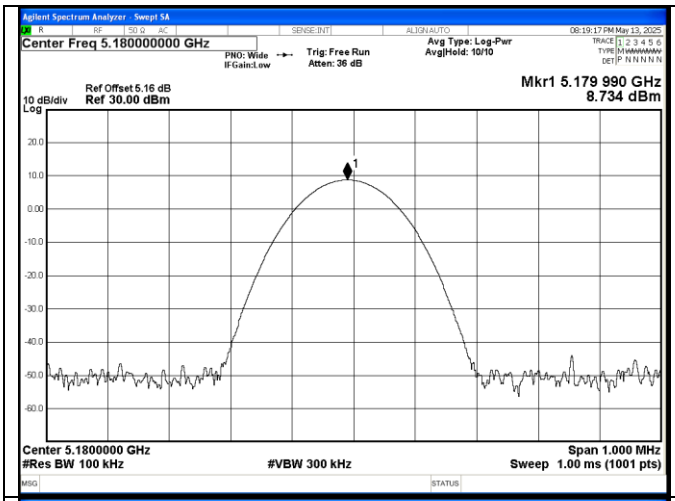
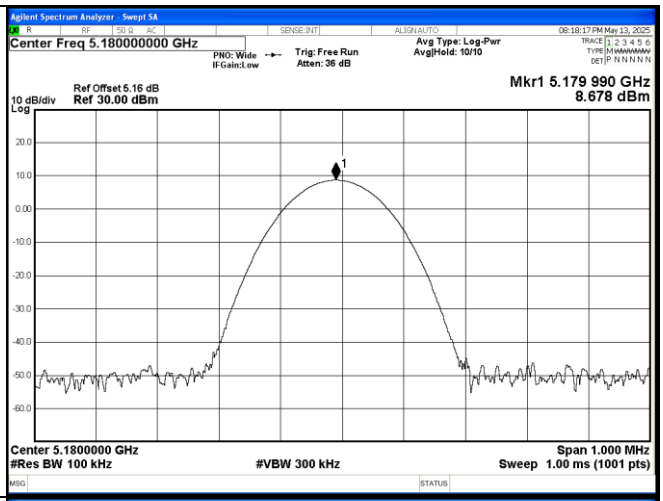
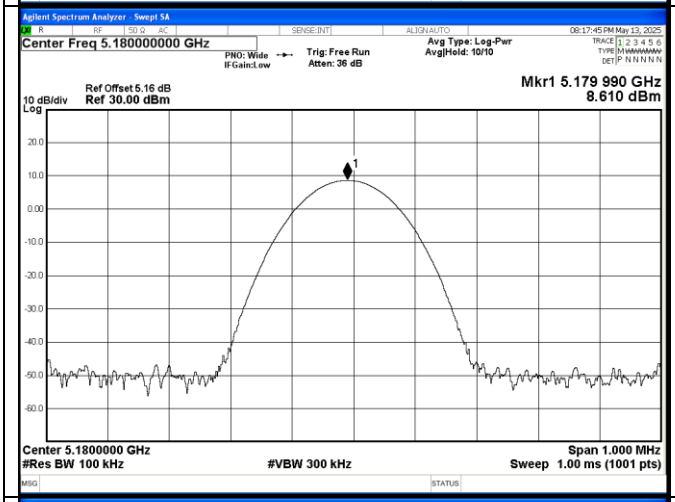
Appendix A.4 Test Results of Frequency Stability

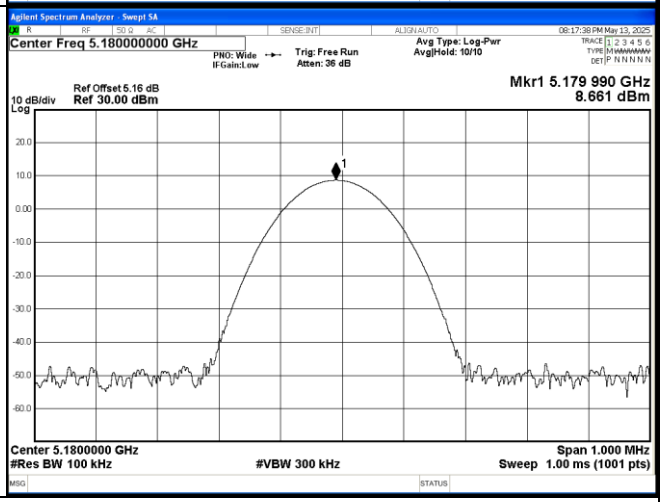
Frequency (MHz)	Voltage (V)	Temperature (℃)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5180	110 V	-5	5179.99	1.93	25	Pass
		0	5179.99	1.93	25	Pass
		10	5179.99	1.93	25	Pass
		20	5179.99	1.93	25	Pass
		30	5179.99	1.93	25	Pass
		40	5179.99	1.93	25	Pass
		50	5179.99	1.93	25	Pass
	93.5 V	25	5179.99	1.93	25	Pass
	126.5 V	25	5179.9905	1.83	25	Pass

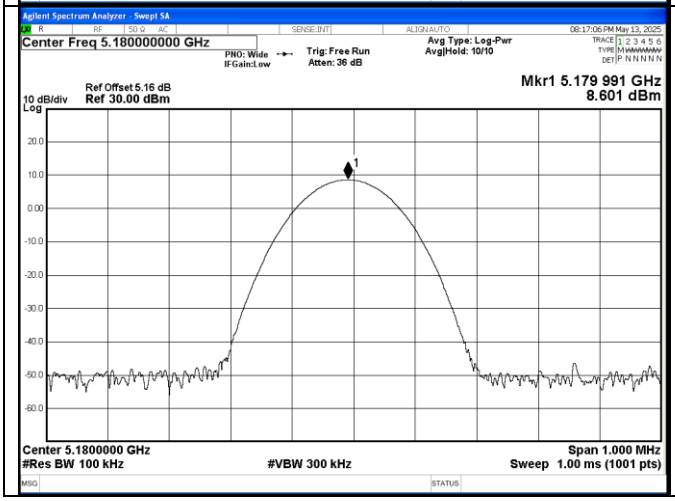



Agilent Spectrum Analyzer - Swept SA
Center Freq 5.180000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 36 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
08:19:17 PM May 13, 2025
Ref Offset 5.16 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 5.179 990 GHz
8.734 dBm
Center 5.1800000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)

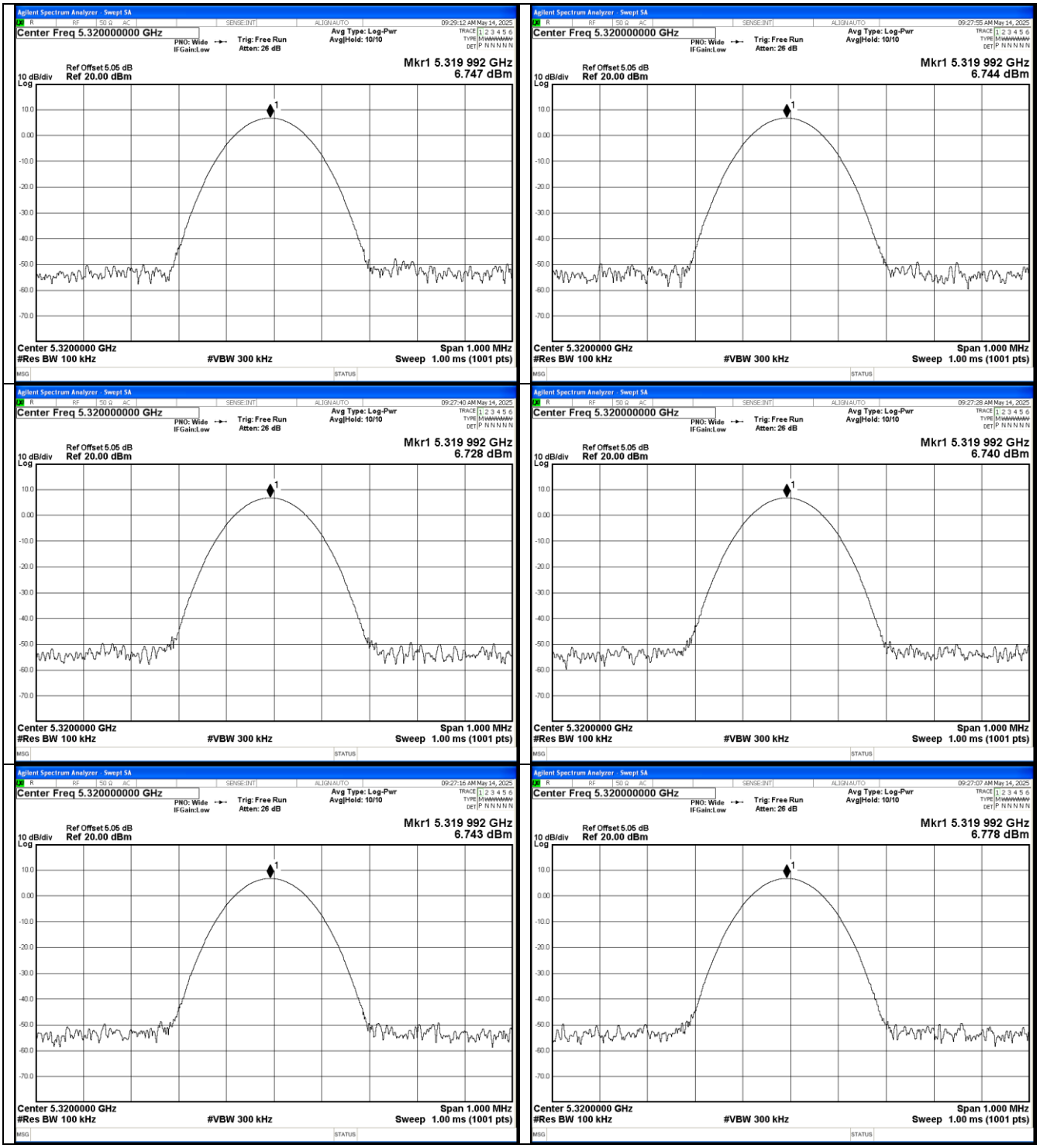

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.180000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 36 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
08:18:17 PM May 13, 2025
Ref Offset 5.16 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 5.179 990 GHz
8.678 dBm
Center 5.1800000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)

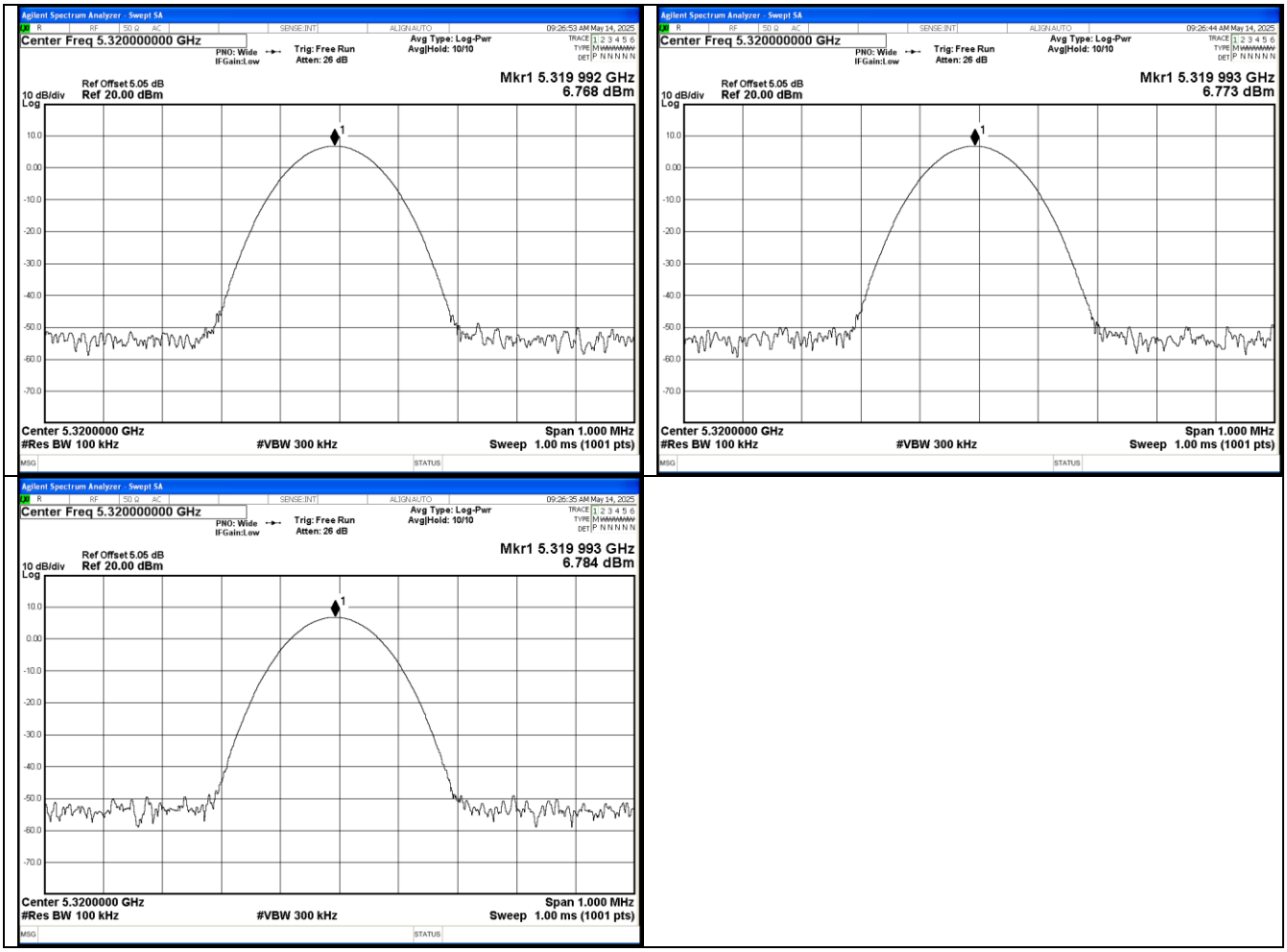

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.180000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 36 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
08:17:45 PM May 13, 2025
Ref Offset 5.16 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 5.179 990 GHz
8.610 dBm
Center 5.1800000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.180000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 36 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
08:17:38 PM May 13, 2025
Ref Offset 5.16 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 5.179 990 GHz
8.661 dBm
Center 5.1800000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)

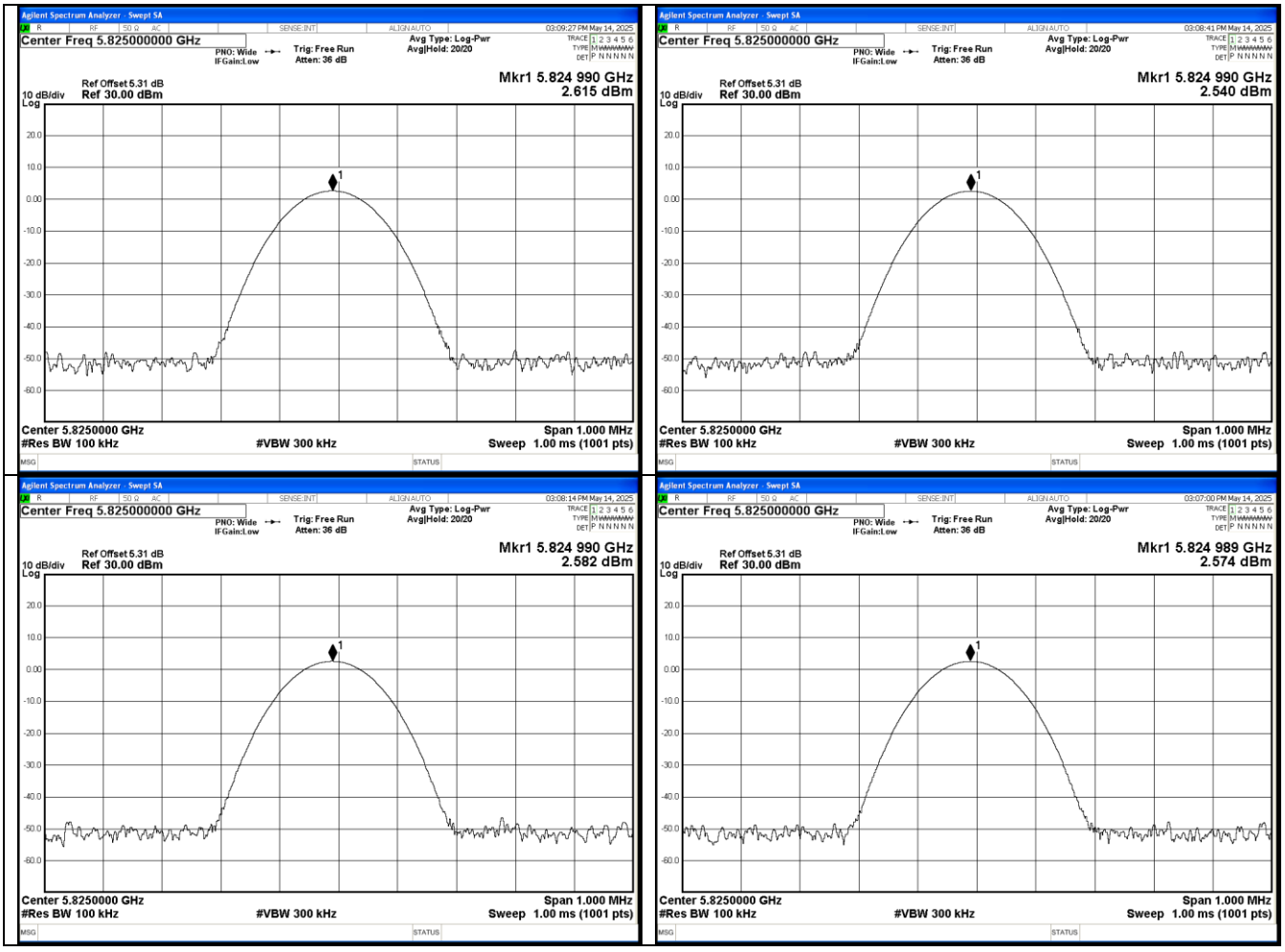

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.180000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 36 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
08:17:06 PM May 13, 2025
Ref Offset 5.16 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 5.179 991 GHz
8.601 dBm
Center 5.1800000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)

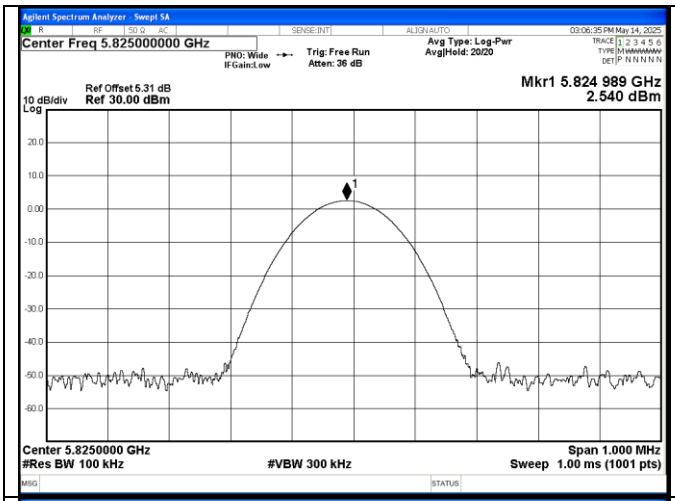
Frequency (MHz)	Voltage (V)	Temperature (℃)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5320	110 V	-5	5319.992	1.5	25	Pass
		0	5319.992	1.5	25	Pass
		10	5319.992	1.5	25	Pass
		20	5319.992	1.5	25	Pass
		30	5319.992	1.5	25	Pass
		40	5319.992	1.5	25	Pass
		50	5319.992	1.5	25	Pass
	93.5 V	25	5319.9925	1.41	25	Pass
	126.5 V	25	5319.9925	1.41	25	Pass

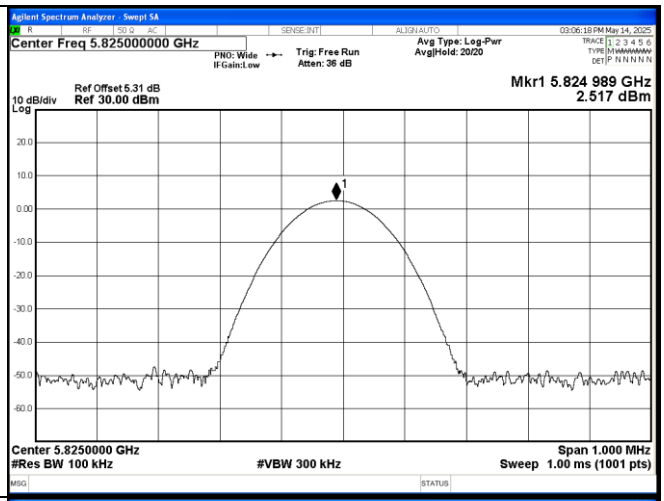


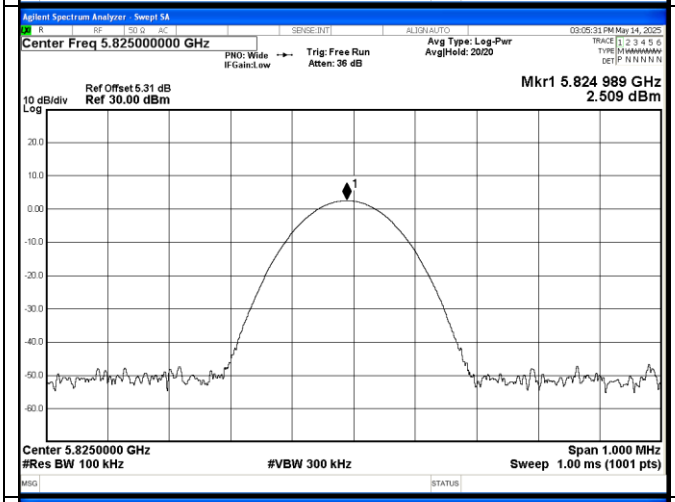

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
09:26:53 AM May 14, 2025
Ref Offset 5.05 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.319 992 GHz
6.768 dBm
Center 5.3200000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
09:26:44 AM May 14, 2025
Ref Offset 5.05 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.319 993 GHz
6.773 dBm
Center 5.3200000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
09:26:35 AM May 14, 2025
Ref Offset 5.05 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.319 993 GHz
6.784 dBm
Center 5.3200000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)

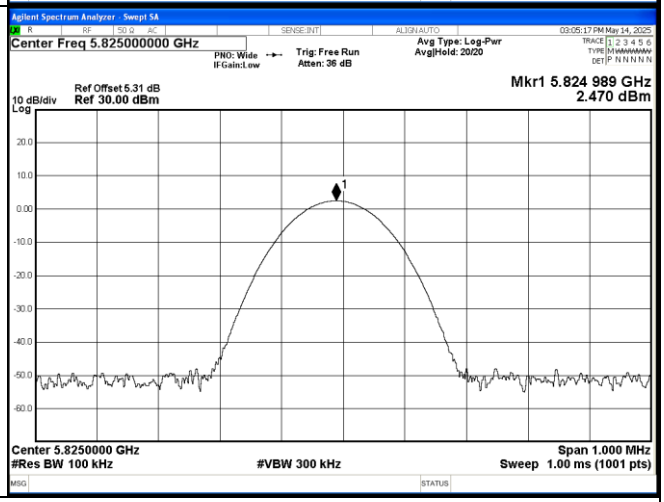
Frequency (MHz)	Voltage (V)	Temperature (℃)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5825	110 V	-5	5824.99	1.72	25	Pass
		0	5824.99	1.72	25	Pass
		10	5824.9895	1.8	25	Pass
		20	5824.989	1.89	25	Pass
		30	5824.989	1.89	25	Pass
		40	5824.989	1.89	25	Pass
		50	5824.989	1.89	25	Pass
	93.5 V	25	5824.989	1.89	25	Pass
	126.5 V	25	5824.9895	1.8	25	Pass

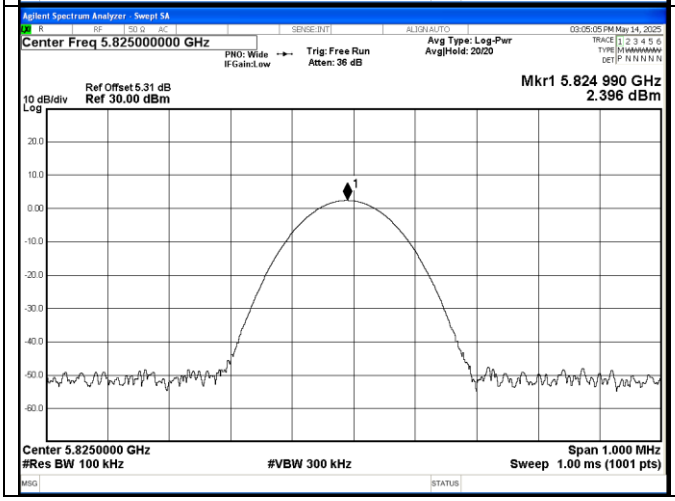



Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 36 dB
Avg Type: Log-Pwr
Avg|Hold: 20/20
03:06:35 PM May 14, 2025
Ref Offset 5.31 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 5.824 989 GHz
2.540 dBm
Center 5.8250000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 36 dB
Avg Type: Log-Pwr
Avg|Hold: 20/20
03:06:18 PM May 14, 2025
Ref Offset 5.31 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 5.824 989 GHz
2.517 dBm
Center 5.8250000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 36 dB
Avg Type: Log-Pwr
Avg|Hold: 20/20
03:05:31 PM May 14, 2025
Ref Offset 5.31 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 5.824 989 GHz
2.509 dBm
Center 5.8250000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 36 dB
Avg Type: Log-Pwr
Avg|Hold: 20/20
03:05:17 PM May 14, 2025
Ref Offset 5.31 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 5.824 989 GHz
2.470 dBm
Center 5.8250000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 36 dB
Avg Type: Log-Pwr
Avg|Hold: 20/20
03:05:05 PM May 14, 2025
Ref Offset 5.31 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 5.824 990 GHz
2.396 dBm
Center 5.8250000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 1.000 MHz
Sweep 1.00 ms (1001 pts)

Appendix A.5 Test Results of Conducted Power Spectral Density

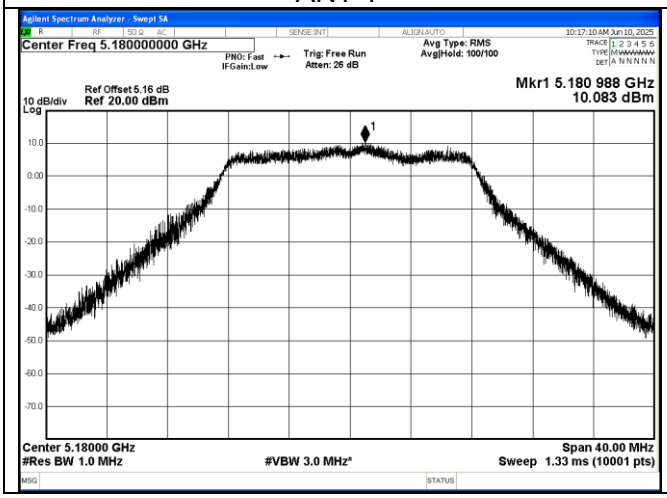
802.11a mode:					
CH	Freq.	FCC PSD (dBm/MHz)		FCC Limit (dBm/MHz)	Result
		ANT1	ANT2		
36	5180	10.083	10.152	17	Pass
44	5200	10.102	10.739	17	Pass
48	5240	7.812	10.381	17	Pass

CH	Freq.	FCC PSD (dBm/MHz)		FCC Limit (dBm/MHz)	Result
		ANT1	ANT2		
52	5260	8.06	10.102	11	Pass
56	5300	8.321	10.803	11	Pass
64	5320	8.305	10.744	11	Pass

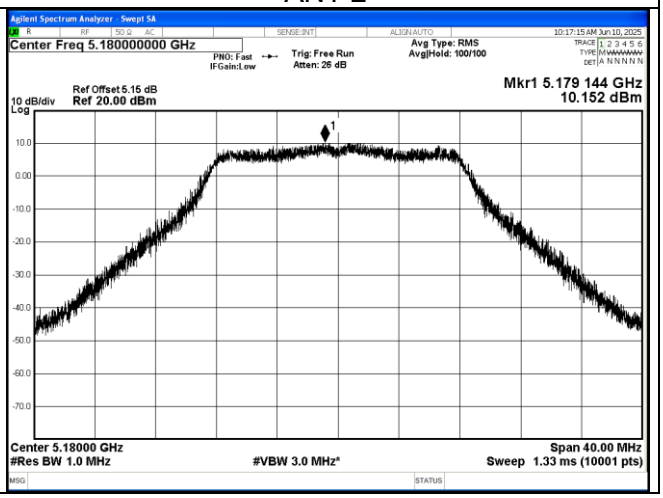
CH	Freq.	ANT1_PSD (dBm/500kHz)	ANT2_PSD (dBm/500kHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
149	5745	7.212	7.557	/	30	Pass
157	5785	7.049	7.976	/	30	Pass
165	5825	6.313	5.914	/	30	Pass

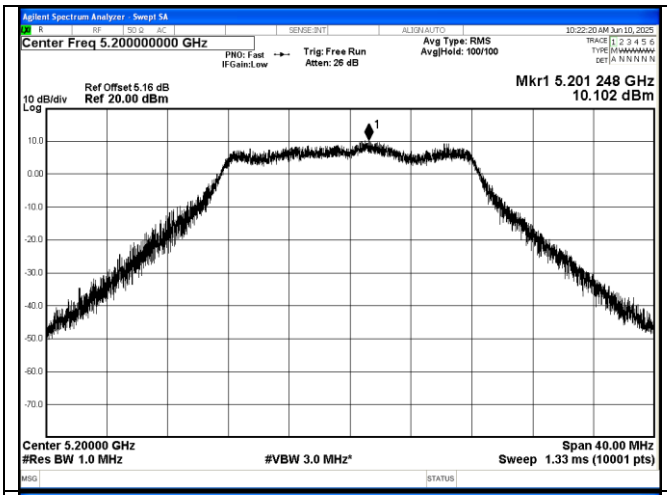
Note:
Antenna gain(G) of 802.11 a/n/ac/ax/be: 5150MHz to 5350MHz: 5.56 dBi,5725MHz to 5850MHz: 4.68 dBi(ANT1&2).

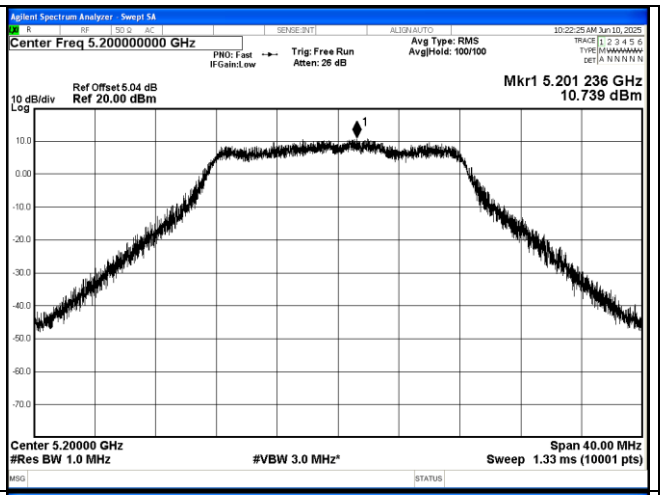
ANT 1

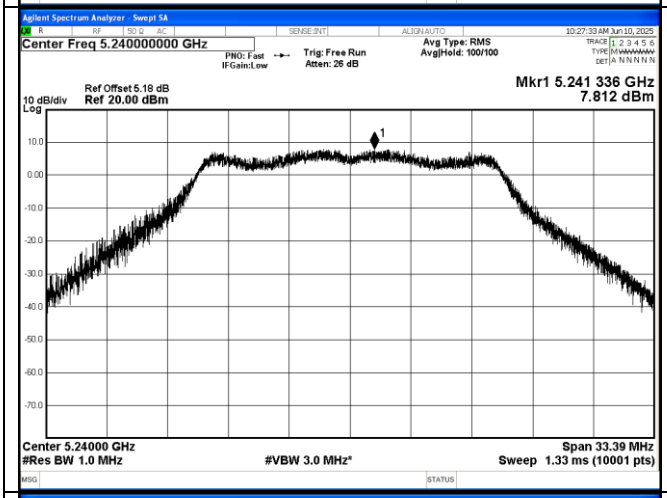


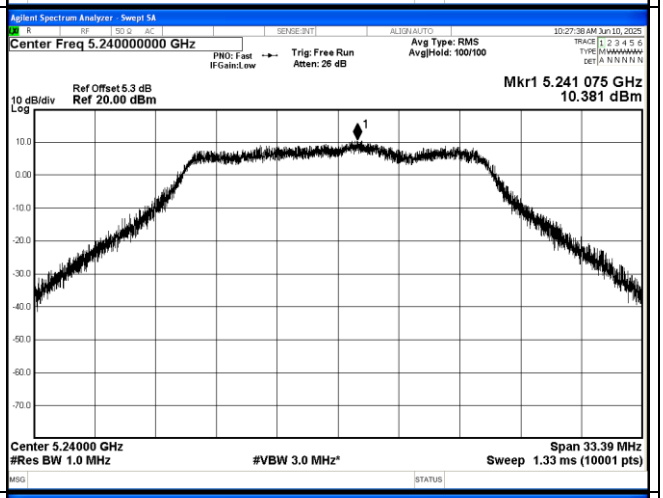
ANT 2

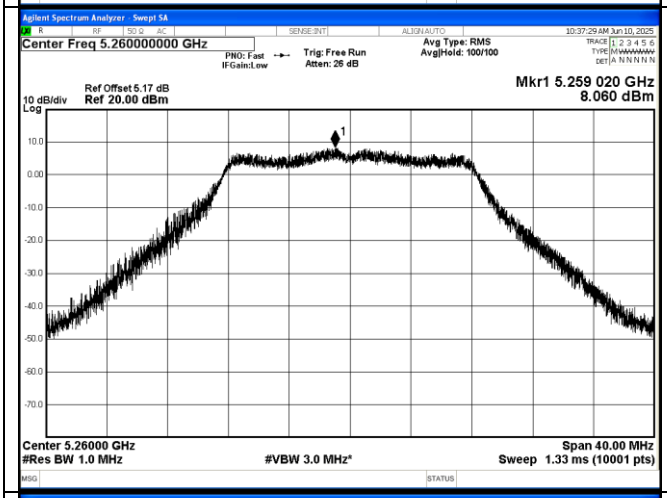


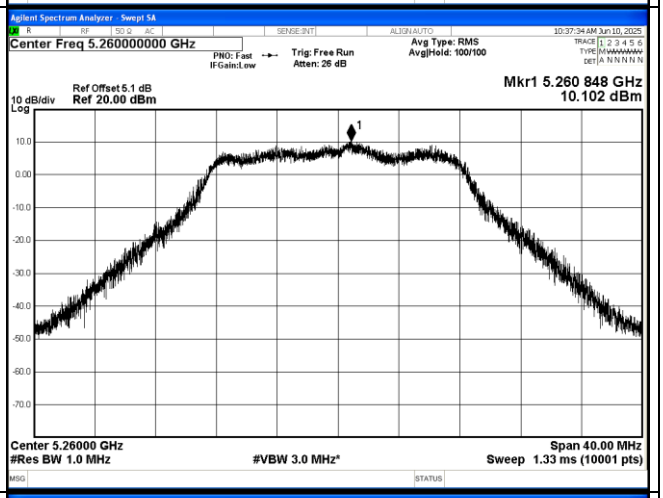

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.200000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:22:20 AM Jun 10, 2025
Ref Offset 5.16 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.201 248 GHz
10.102 dBm
Center 5.20000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

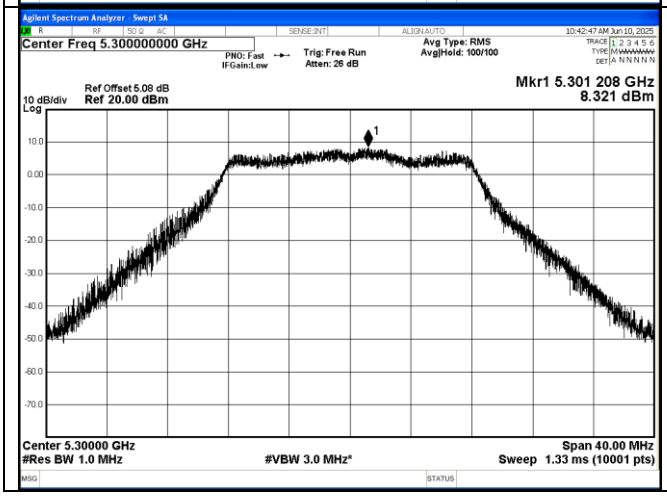

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.200000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:22:25 AM Jun 10, 2025
Ref Offset 5.04 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.201 236 GHz
10.739 dBm
Center 5.20000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

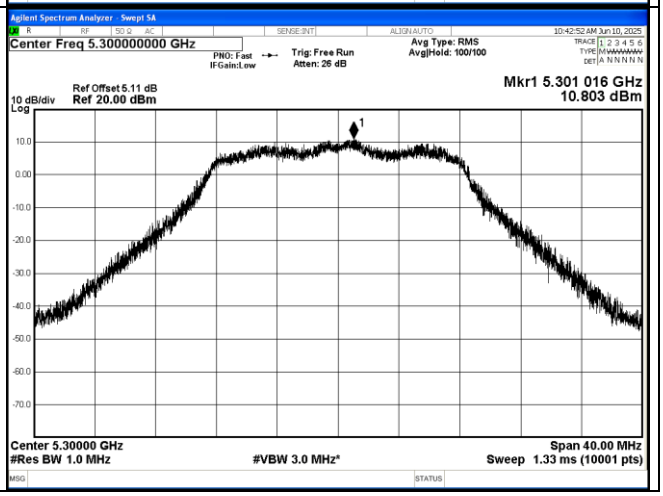

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.240000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:27:33 AM Jun 10, 2025
Ref Offset 5.18 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.241 336 GHz
7.812 dBm
Center 5.24000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 33.39 MHz
Sweep 1.33 ms (10001 pts)

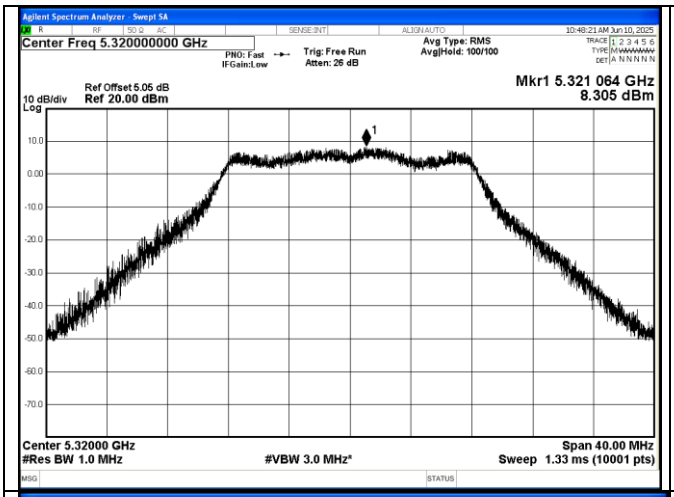

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.240000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:27:38 AM Jun 10, 2025
Ref Offset 5.3 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.241 075 GHz
10.381 dBm
Center 5.24000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 33.39 MHz
Sweep 1.33 ms (10001 pts)

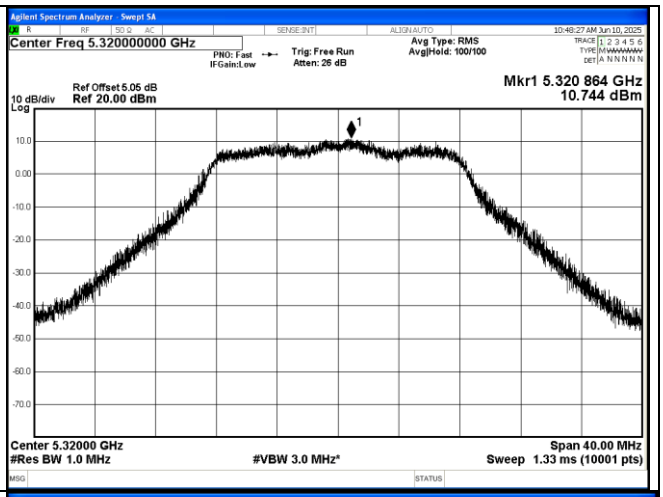

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.260000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:37:29 AM Jun 10, 2025
Ref Offset 5.17 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.259 020 GHz
8.060 dBm
Center 5.26000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

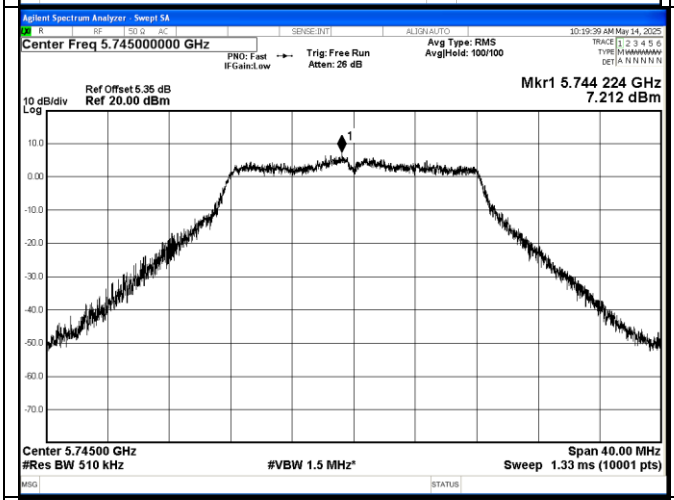

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.260000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:37:34 AM Jun 10, 2025
Ref Offset 5.1 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.260 848 GHz
10.102 dBm
Center 5.26000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

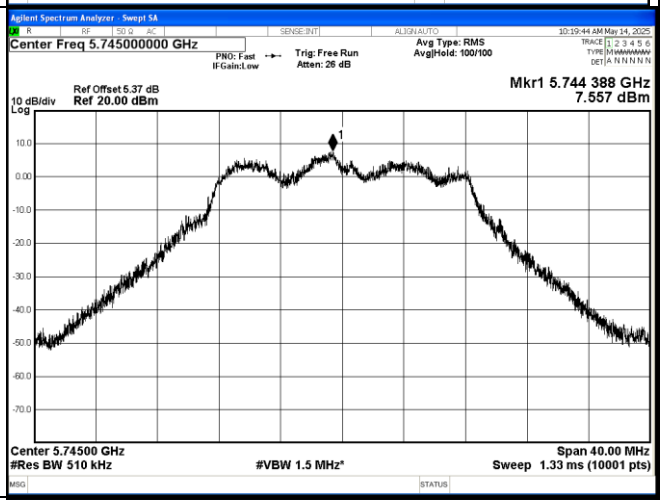

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.300000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:42:47 AM Jun 10, 2025
Ref Offset 5.08 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.301 208 GHz
8.321 dBm
Center 5.30000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

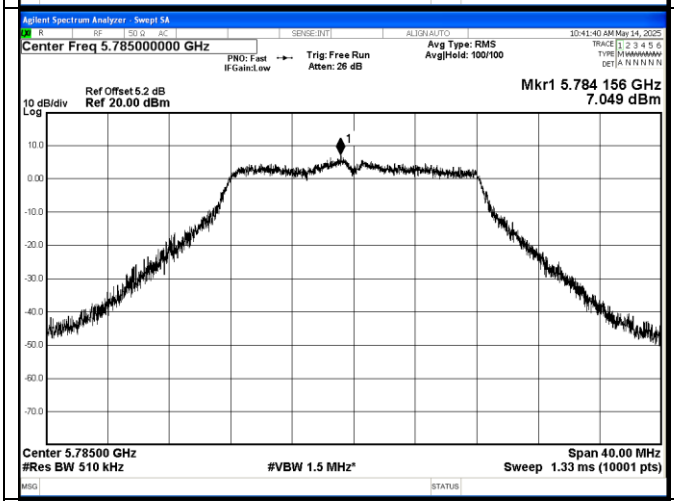

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.300000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:42:52 AM Jun 10, 2025
Ref Offset 5.11 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.301 016 GHz
10.803 dBm
Center 5.30000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

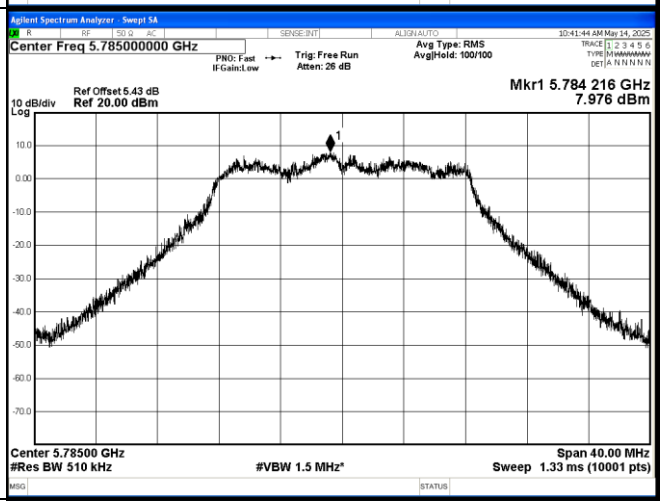

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:48:21 AM Jun 10, 2025
Ref Offset 5.05 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.321 064 GHz
8.305 dBm
Center 5.32000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

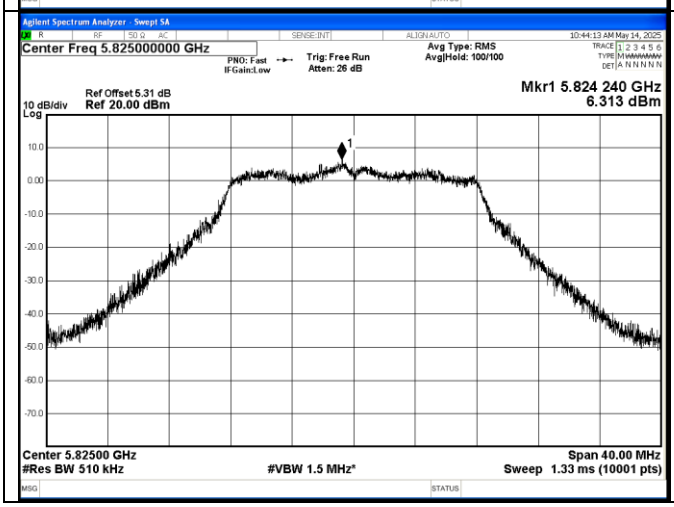

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:48:27 AM Jun 10, 2025
Ref Offset 5.05 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.320 864 GHz
10.744 dBm
Center 5.32000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

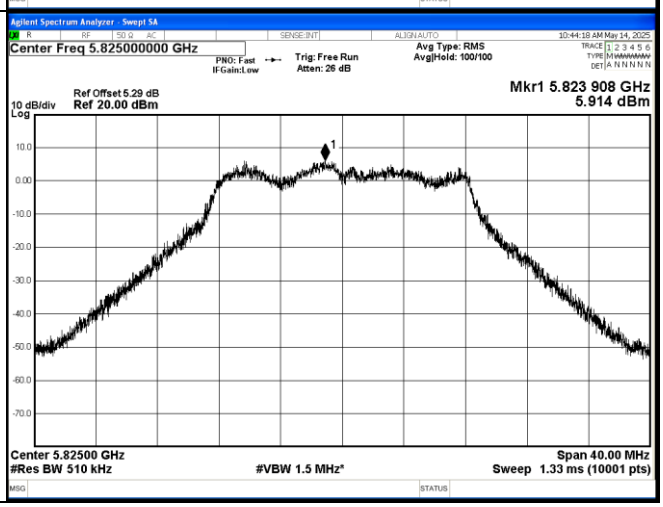

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.745000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:19:39 AM May 14, 2025
Ref Offset 5.35 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.744 224 GHz
7.212 dBm
Center 5.74500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.745000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:19:44 AM May 14, 2025
Ref Offset 5.37 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.744 388 GHz
7.557 dBm
Center 5.74500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.785000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:41:40 AM May 14, 2025
Ref Offset 5.2 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.784 156 GHz
7.049 dBm
Center 5.78500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.785000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:41:44 AM May 14, 2025
Ref Offset 5.43 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.784 216 GHz
7.976 dBm
Center 5.78500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:44:13 AM May 14, 2025
Ref Offset 5.31 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.824 240 GHz
6.313 dBm
Center 5.82500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:44:18 AM May 14, 2025
Ref Offset 5.29 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.823 908 GHz
5.914 dBm
Center 5.82500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

802.11n HT20 mode:						
CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
36	5180	7.535	7.412	10.484	14.43	Pass
44	5200	7.403	7.118	10.273	14.43	Pass
48	5240	6.628	8.296	10.552	14.43	Pass

CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
52	5260	3.163	3.439	6.313	8.43	Pass
56	5300	3.193	4.361	6.826	8.43	Pass
64	5320	3.022	4.62	6.904	8.43	Pass

CH	Freq.	ANT1_PSD (dBm/500kHz)	ANT2_PSD (dBm/500kHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
149	5745	5.603	5.702	8.663	28.31	Pass
157	5785	6.781	6.374	9.593	28.31	Pass
165	5825	7.154	7.027	10.101	28.31	Pass

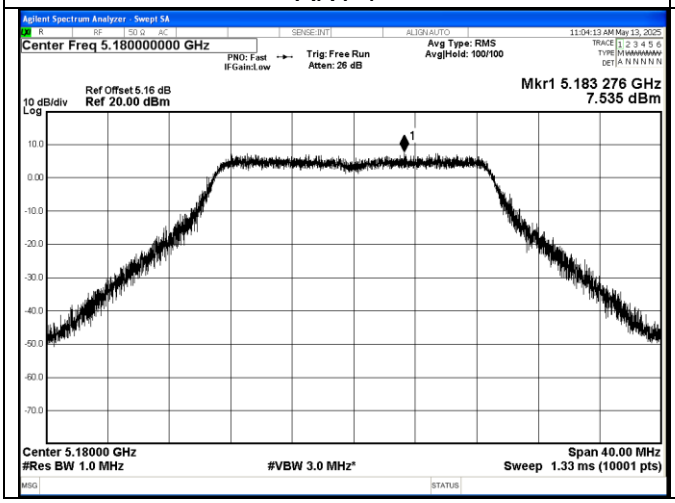
Note:

Antenna gain(G) of 802.11 a/n/ac/ax/be: 5150MHz to 5350MHz: 5.56 dBi,5725MHz to 5850MHz: 4.68 dBi(ANT1&2).

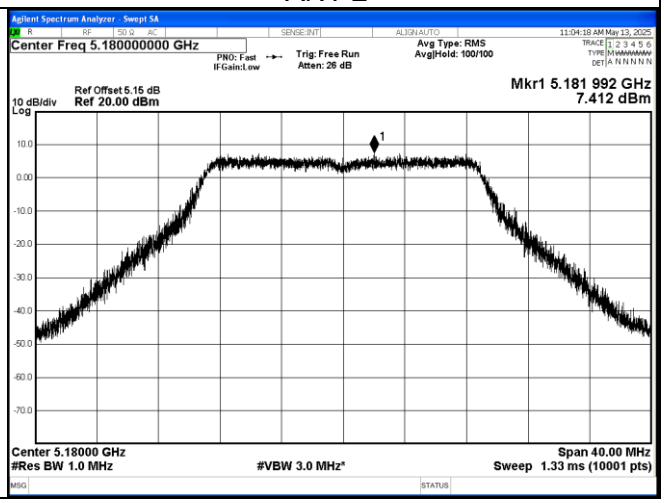
For 802.11n, 802.11ac, 802.11ax and 802.11be, the EUT incorporates a MIMO function. The 5150MHz to 5350MHz: Antenna directional gain = GANT + Array Gain = 8.57 dBi, and 5725MHz to 5850MHz: Antenna directional gain = GANT + Array Gain = 7.69 dBi, where Array Gain = 10 log(2/1) = 3.01 dB.

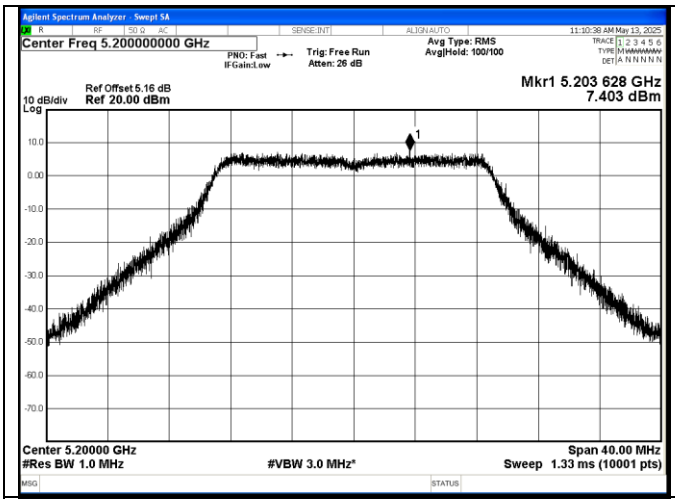
The maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The band 5150MHz to 5250MHz: maximum power spectral density limit is 17-(8.57-6)=14.43. The band 5250MHz to 5350MHz: maximum power spectral density limit is 11-(8.57-6)=8.43. The band 5725MHz to 5850MHz: maximum power spectral density limit is 30-(7.69-6)=28.31.

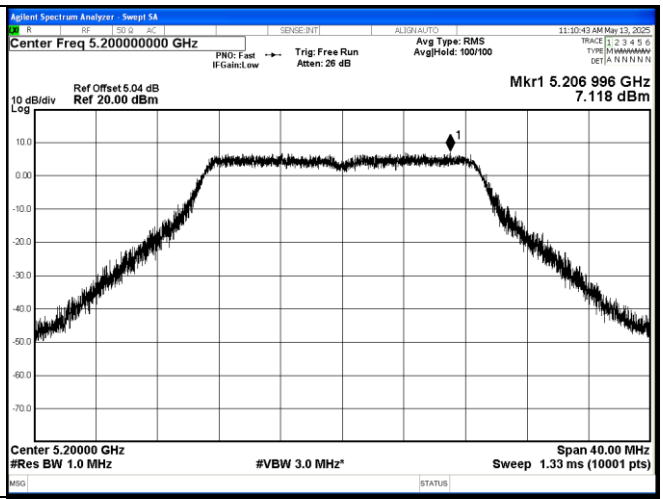
ANT 1

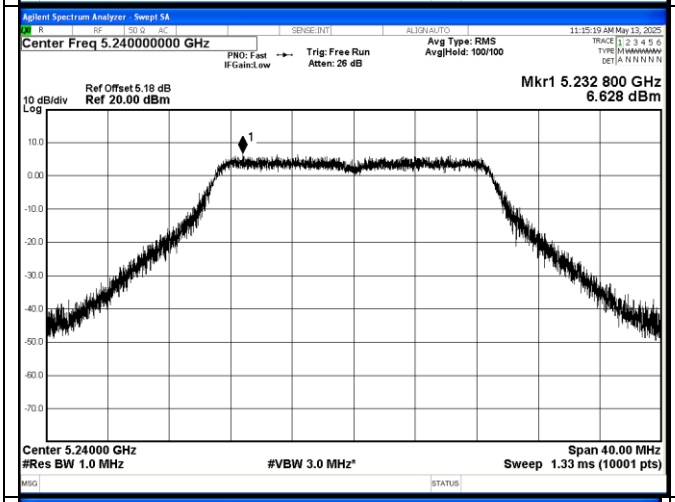


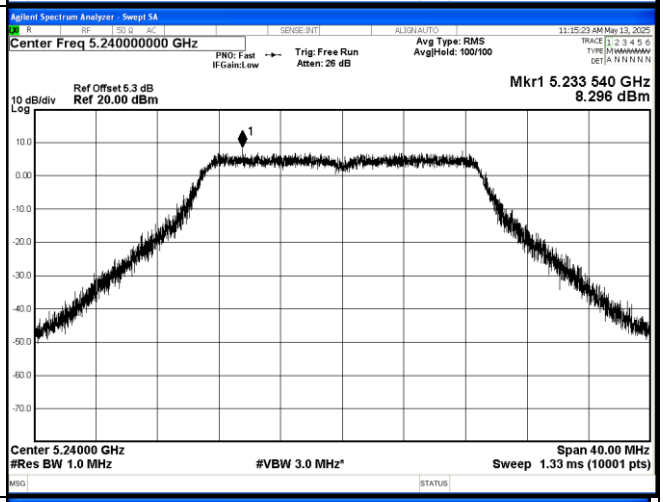
ANT 2

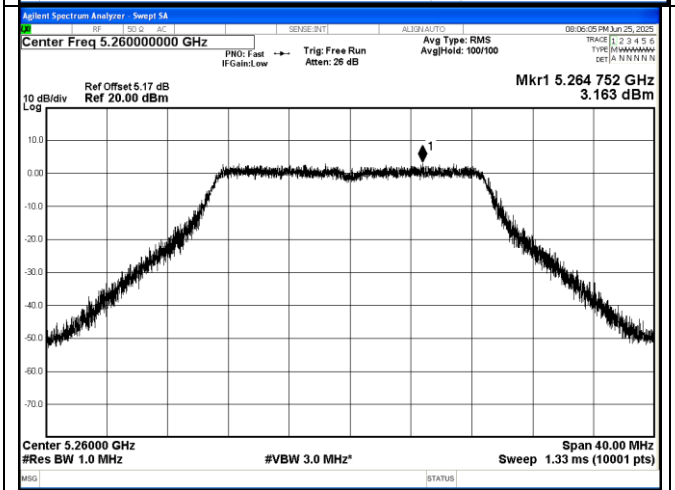


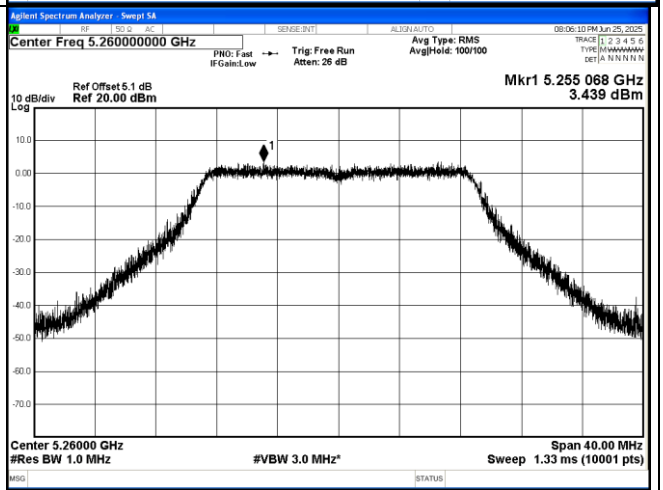

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.200000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:10:38 AM May 13, 2025
Ref Offset 5.16 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.203 628 GHz
7.403 dBm
Center 5.20000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

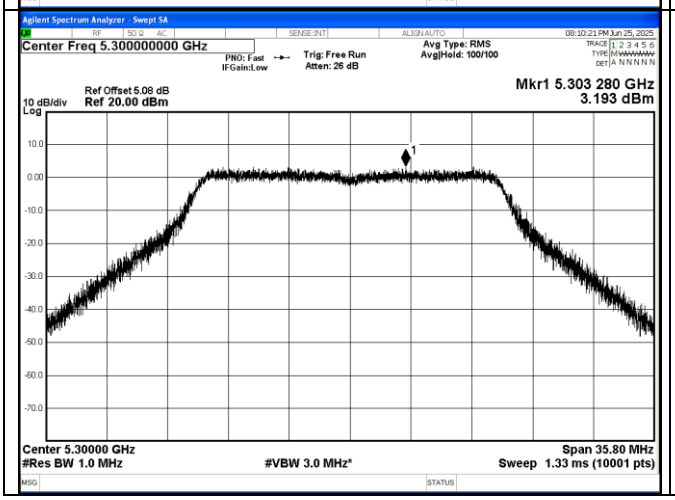

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.200000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:10:43 AM May 13, 2025
Ref Offset 5.04 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.206 996 GHz
7.118 dBm
Center 5.20000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

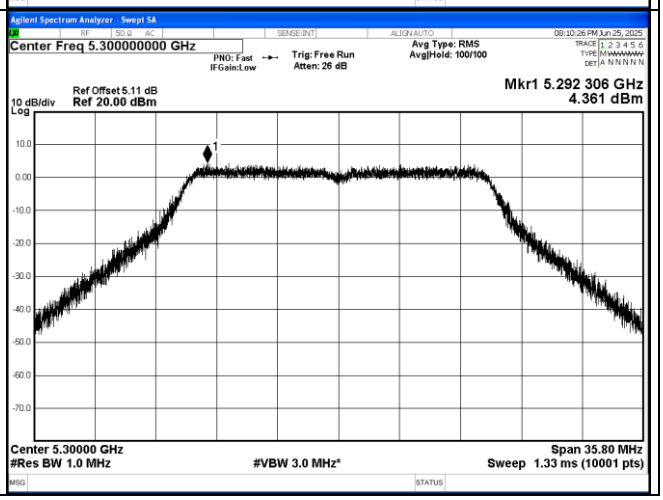

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.240000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:15:19 AM May 13, 2025
Ref Offset 5.18 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.232 800 GHz
6.628 dBm
Center 5.24000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

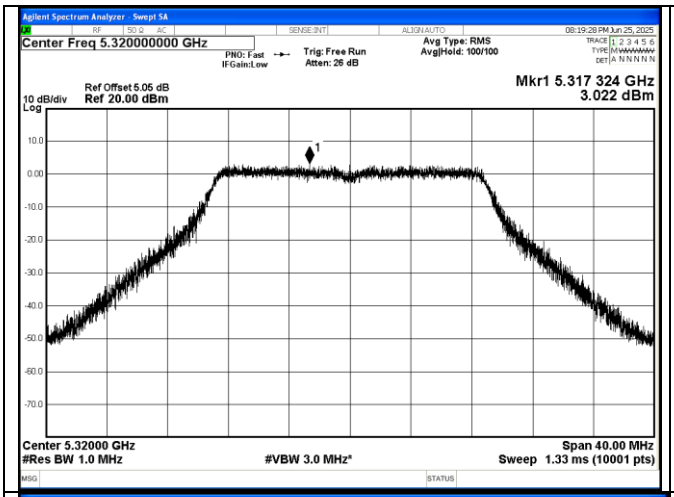

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.240000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:15:23 AM May 13, 2025
Ref Offset 5.3 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.233 540 GHz
8.296 dBm
Center 5.24000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

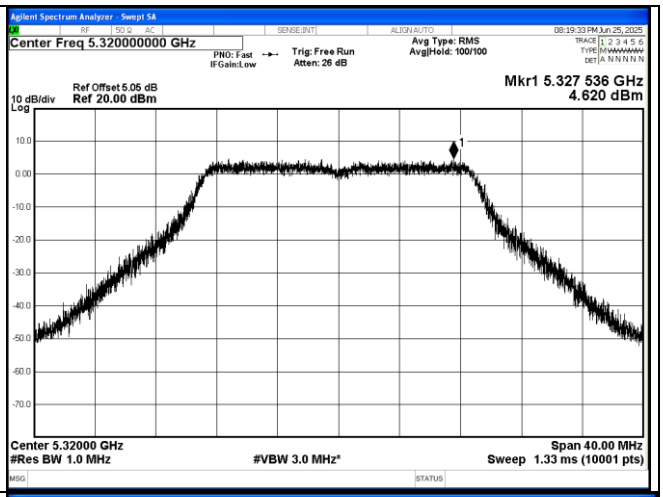

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.260000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
08:06:05 PM Jun 25, 2025
Ref Offset 5.17 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.264 752 GHz
3.163 dBm
Center 5.26000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

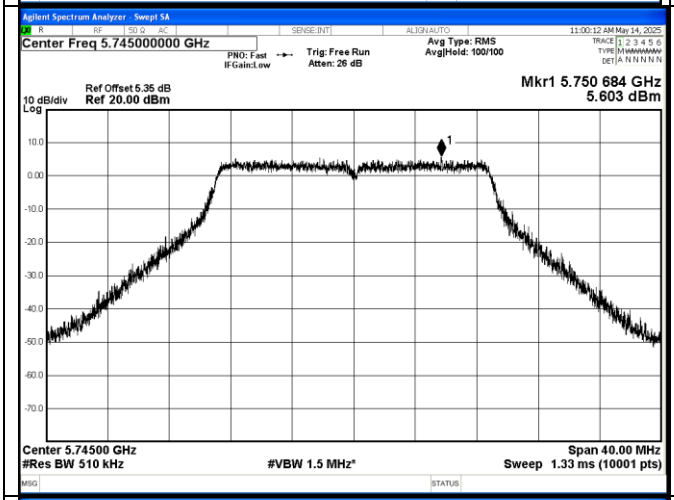

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.260000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
08:06:10 PM Jun 25, 2025
Ref Offset 5.1 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.255 068 GHz
3.439 dBm
Center 5.26000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

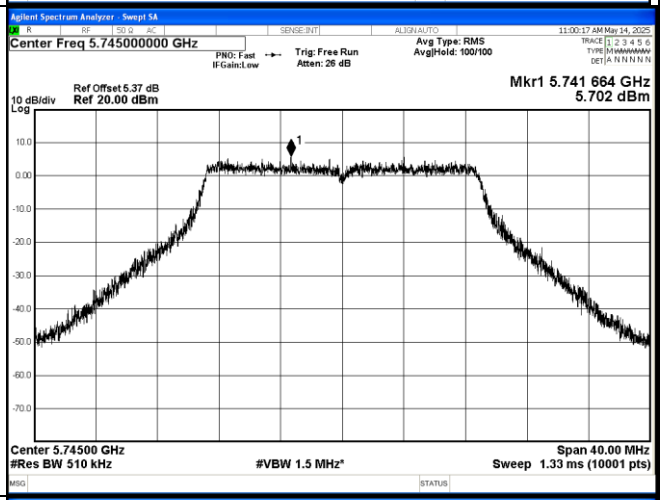

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.300000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
08:10:21 PM Jun 25, 2025
Ref Offset 5.08 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.303 280 GHz
3.193 dBm
Center 5.30000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 35.80 MHz
Sweep 1.33 ms (10001 pts)

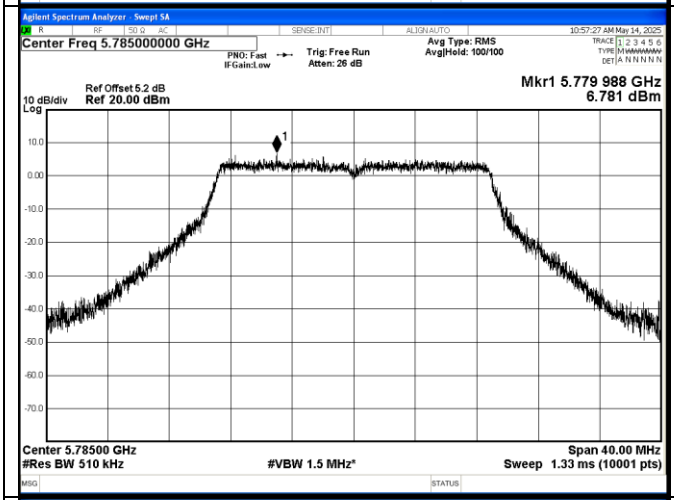

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.300000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
08:10:26 PM Jun 25, 2025
Ref Offset 5.11 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.292 306 GHz
4.361 dBm
Center 5.30000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 35.80 MHz
Sweep 1.33 ms (10001 pts)

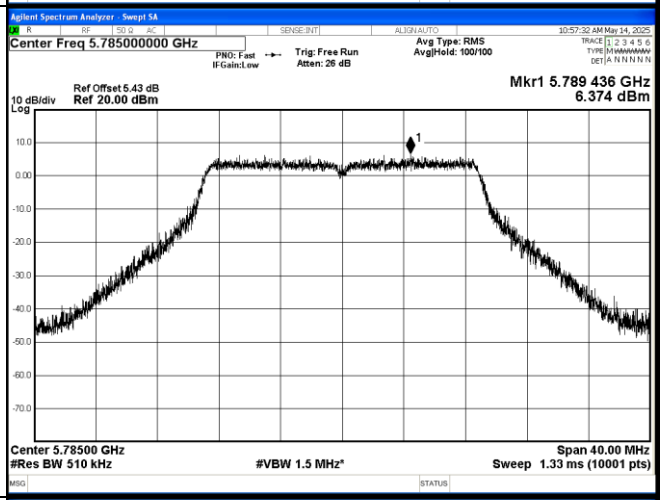

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
08:19:28 PM Jun 25, 2025
Ref Offset 5.05 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.317 324 GHz
3.022 dBm
Center 5.32000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

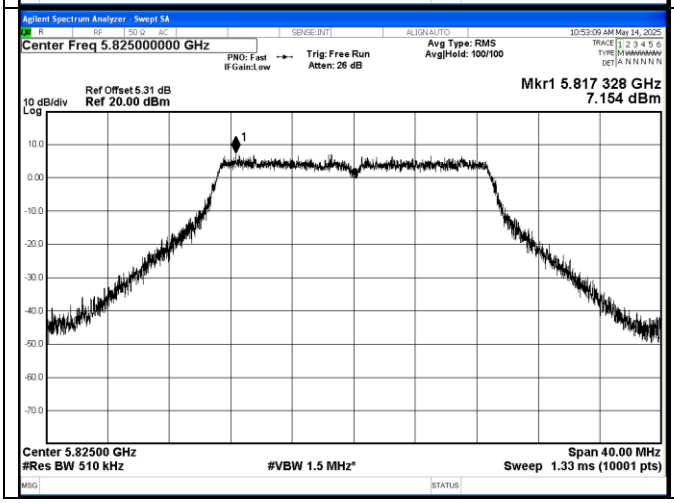

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
08:19:33 PM Jun 25, 2025
Ref Offset 5.05 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.327 536 GHz
4.620 dBm
Center 5.32000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

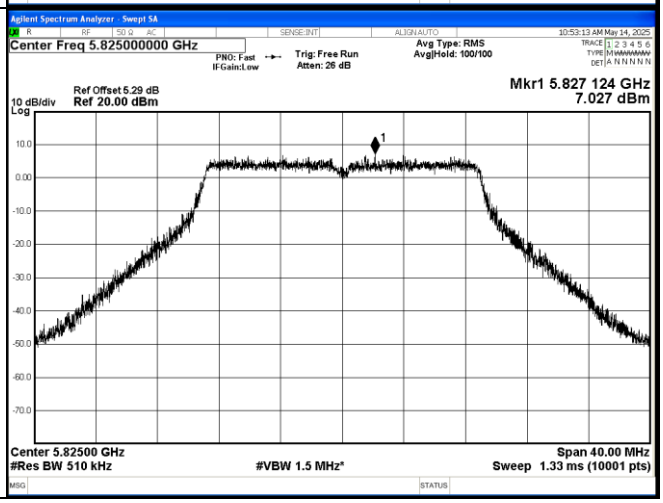

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.745000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:00:12 AM May 14, 2025
Ref Offset 5.35 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.750 684 GHz
5.603 dBm
Center 5.74500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.745000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:00:17 AM May 14, 2025
Ref Offset 5.37 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.741 664 GHz
5.702 dBm
Center 5.74500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.785000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:57:27 AM May 14, 2025
Ref Offset 5.2 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.779 988 GHz
6.781 dBm
Center 5.78500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.785000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:57:32 AM May 14, 2025
Ref Offset 5.43 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.789 436 GHz
6.374 dBm
Center 5.78500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:53:09 AM May 14, 2025
Ref Offset 5.31 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.817 328 GHz
7.154 dBm
Center 5.82500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:53:13 AM May 14, 2025
Ref Offset 5.29 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.827 124 GHz
7.027 dBm
Center 5.82500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

802.11n HT40 mode:						
CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
38	5190	7.462	7.294	10.389	14.43	Pass
46	5230	6.288	7.822	10.133	14.43	Pass

CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
54	5270	4.142	4.005	7.109	8.43	Pass
62	5310	5.027	5.238	8.144	8.43	Pass

CH	Freq.	ANT1_PSD (dBm/500kHz)	ANT2_PSD (dBm/500kHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
151	5755	2.983	3.138	6.071	28.31	Pass
159	5795	3.323	3.912	6.638	28.31	Pass

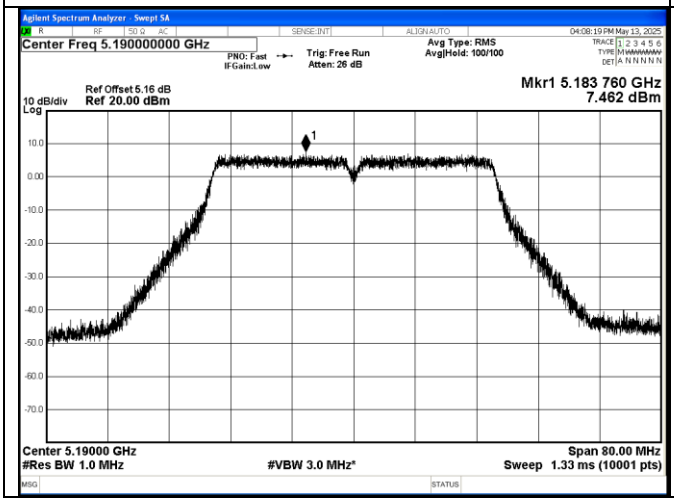
Note:

Antenna gain(G) of 802.11 a/n/ac/ax/be: 5150MHz to 5350MHz: 5.56 dBi,5725MHz to 5850MHz: 4.68 dBi(ANT1&2).

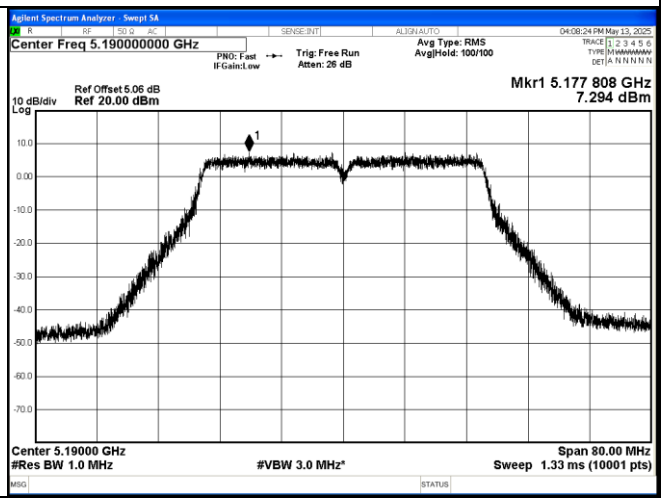
For 802.11n, 802.11ac, 802.11ax and 802.11be, the EUT incorporates a MIMO function. The 5150MHz to 5350MHz: Antenna directional gain = GANT + Array Gain = 8.57 dBi, and 5725MHz to 5850MHz: Antenna directional gain = GANT + Array Gain = 7.69 dBi, where Array Gain = 10 log(2/1) = 3.01 dB.

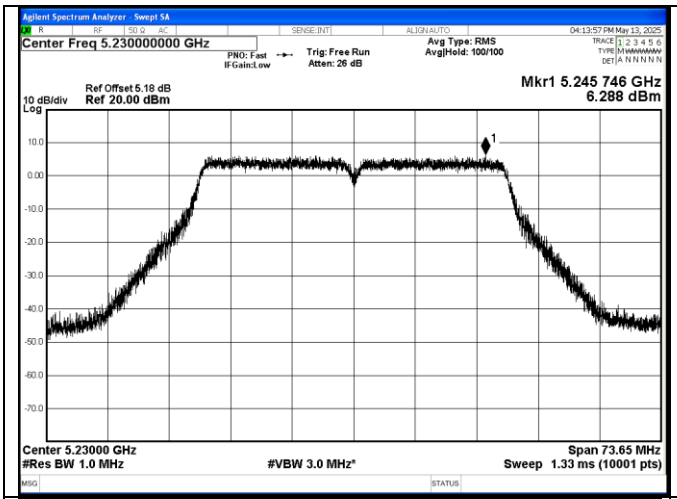
The maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The band 5150MHz to 5250MHz: maximum power spectral density limit is 17-(8.57-6)=14.43. The band 5250MHz to 5350MHz: maximum power spectral density limit is 11-(8.57-6)=8.43. The band 5725MHz to 5850MHz: maximum power spectral density limit is 30-(7.69-6)=28.31.

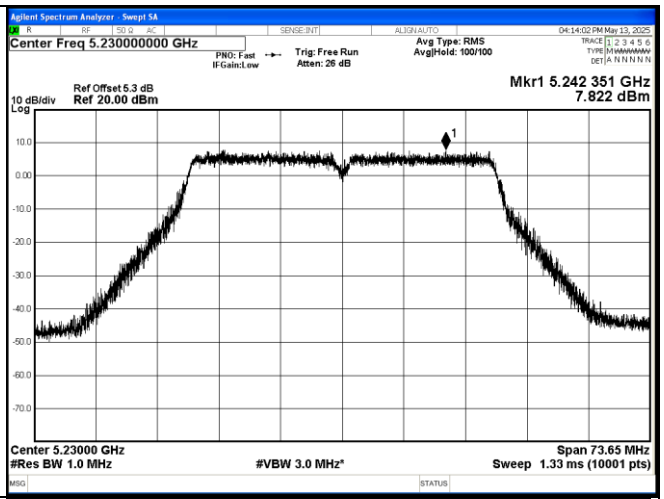
ANT 1

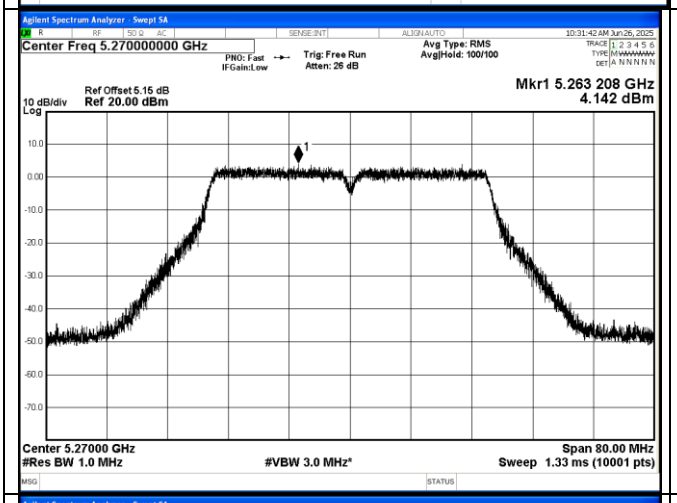


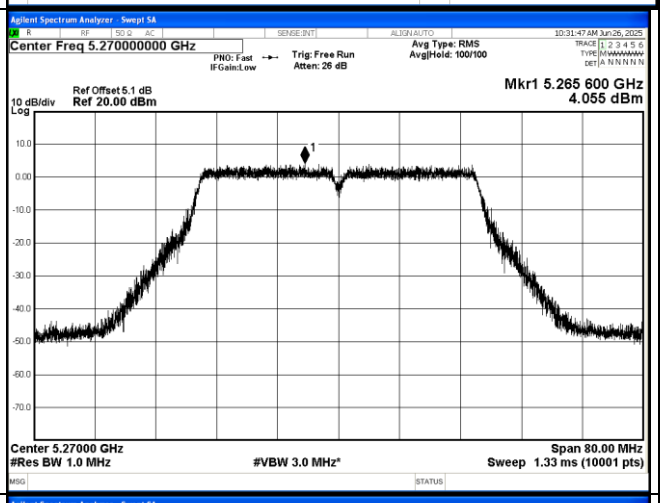
ANT 2

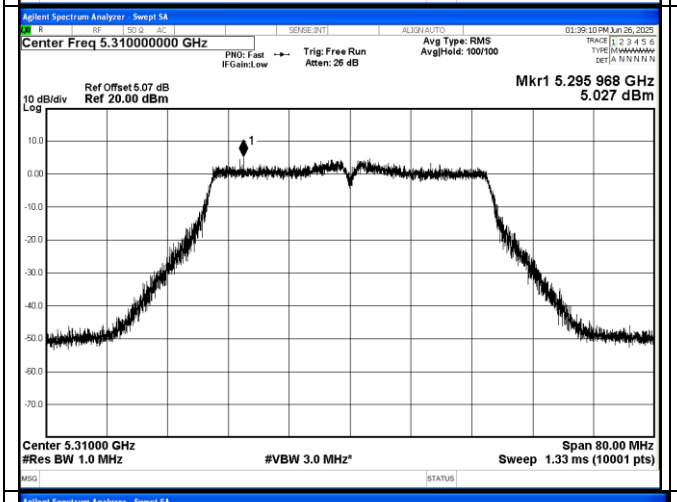


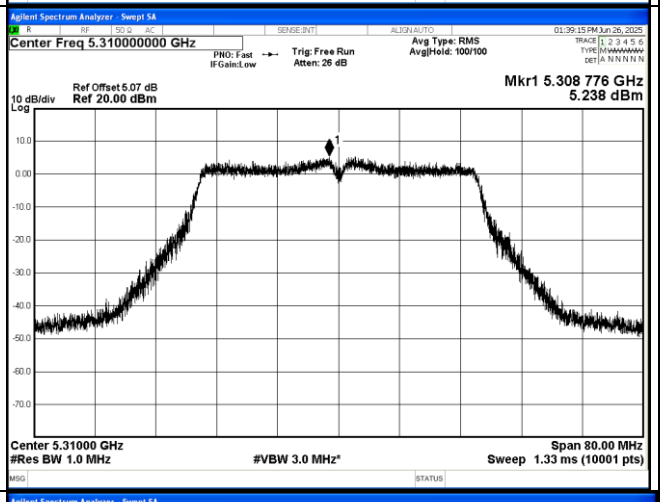

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.230000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
04:13:57 PM May 13, 2025
Ref Offset 5.18 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.245 746 GHz
6.288 dBm
Center 5.23000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 73.65 MHz
Sweep 1.33 ms (10001 pts)

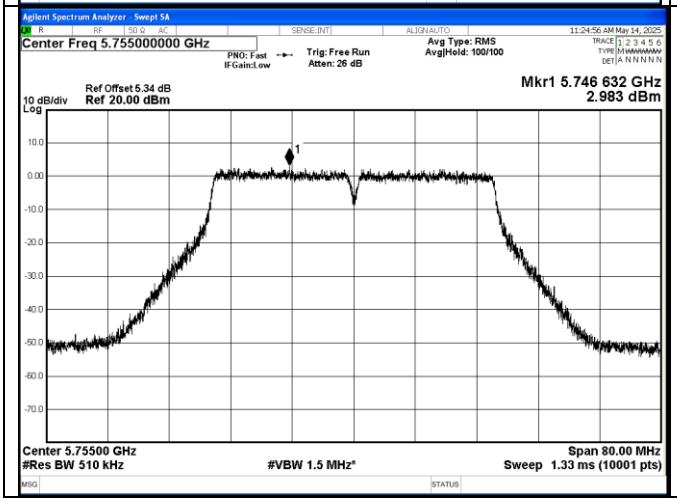

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.230000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
04:14:02 PM May 13, 2025
Ref Offset 5.3 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.242 351 GHz
7.822 dBm
Center 5.23000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 73.65 MHz
Sweep 1.33 ms (10001 pts)

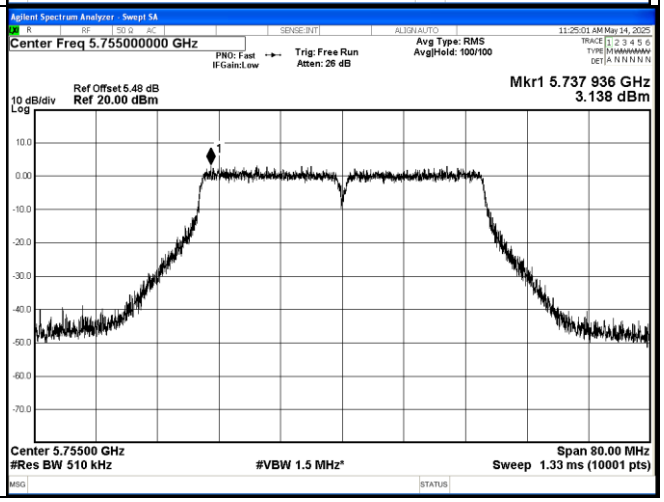

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.270000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:31:42 AM Jun 26, 2025
Ref Offset 5.15 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.263 208 GHz
4.142 dBm
Center 5.27000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 80.00 MHz
Sweep 1.33 ms (10001 pts)

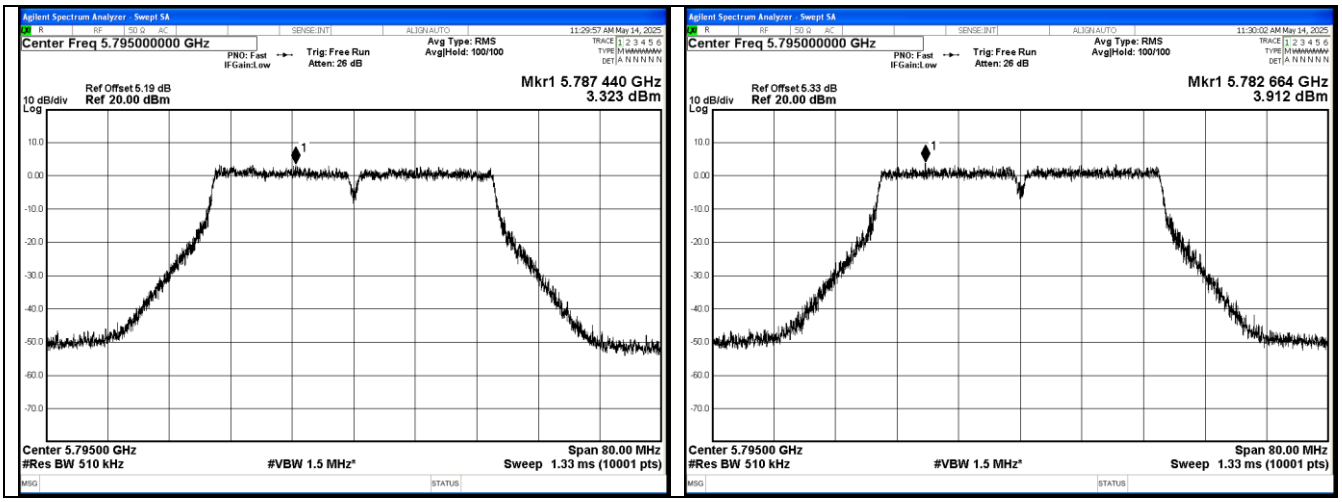

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.270000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:31:47 AM Jun 26, 2025
Ref Offset 5.1 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.265 600 GHz
4.055 dBm
Center 5.27000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 80.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.310000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
01:39:10 PM Jun 26, 2025
Ref Offset 5.07 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.295 968 GHz
5.027 dBm
Center 5.31000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 80.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.310000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
01:39:15 PM Jun 26, 2025
Ref Offset 5.07 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.308 776 GHz
5.238 dBm
Center 5.31000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 80.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.755000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:24:56 AM May 14, 2025
Ref Offset 5.34 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.746 632 GHz
2.983 dBm
Center 5.75500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 80.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.755000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:25:01 AM May 14, 2025
Ref Offset 5.48 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.737 936 GHz
3.138 dBm
Center 5.75500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 80.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:29:57 AM May 14, 2025
Mkr1 5.787 440 GHz
3.323 dBm
Ref Offset 5.19 dB
10 dB/div
Log
Ref 20.00 dBm
Center 5.79500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 80.00 MHz
Sweep 1.33 ms (10001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:30:02 AM May 14, 2025
Mkr1 5.782 664 GHz
3.912 dBm
Ref Offset 5.33 dB
10 dB/div
Log
Ref 20.00 dBm
Center 5.79500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 80.00 MHz
Sweep 1.33 ms (10001 pts)

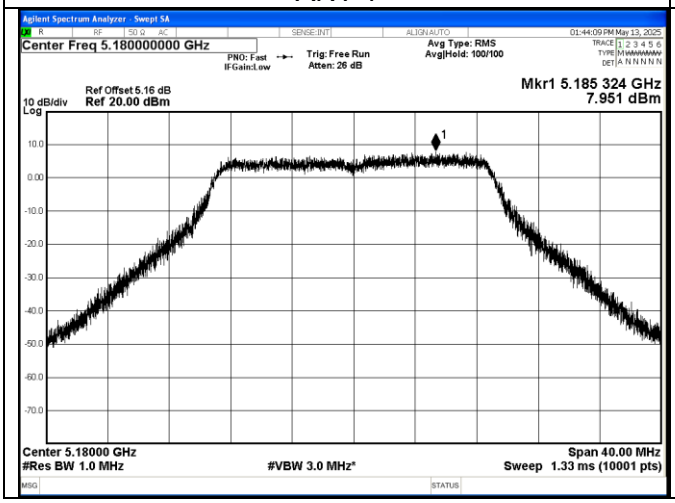
802.11ac VHT20 mode:						
CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
36	5180	7.951	7.483	10.734	14.43	Pass
44	5200	7.905	7.579	10.755	14.43	Pass
48	5240	6.972	7.675	10.348	14.43	Pass

CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
52	5260	4.041	4.058	7.06	8.43	Pass
56	5300	2.567	4.179	6.458	8.43	Pass
64	5320	3.373	4.111	6.768	8.43	Pass

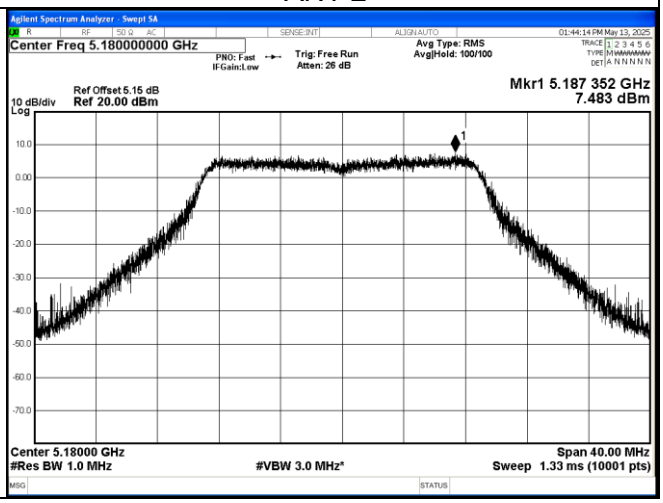
CH	Freq.	ANT1_PSD (dBm/500kHz)	ANT2_PSD (dBm/500kHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
149	5745	6.383	6.689	9.549	28.31	Pass
157	5785	6.781	7.055	9.93	28.31	Pass
165	5825	7.215	7.947	10.607	28.31	Pass

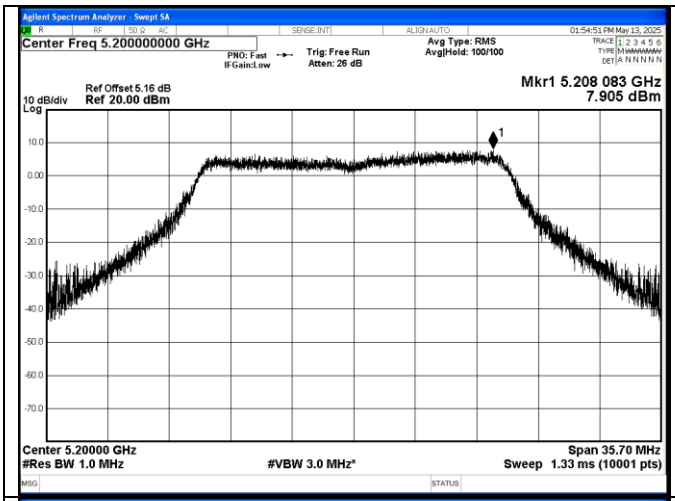
Note:
Antenna gain(G) of 802.11 a/n/ac/ax/be: 5150MHz to 5350MHz: 5.56 dBi,5725MHz to 5850MHz: 4.68 dBi(ANT1&2).
For 802.11n, 802.11ac, 802.11ax and 802.11be, the EUT incorporates a MIMO function. The 5150MHz to 5350MHz: Antenna directional gain = GANT + Array Gain = 8.57 dBi, and 5725MHz to 5850MHz: Antenna directional gain = GANT + Array Gain = 7.69 dBi, where Array Gain = 10 log(2/1) = 3.01 dB.
The maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The band 5150MHz to 5250MHz: maximum power spectral density limit is 17-(8.57-6)=14.43. The band 5250MHz to 5350MHz: maximum power spectral density limit is 11-(8.57-6)=8.43. The band 5725MHz to 5850MHz: maximum power spectral density limit is 30-(7.69-6)=28.31.

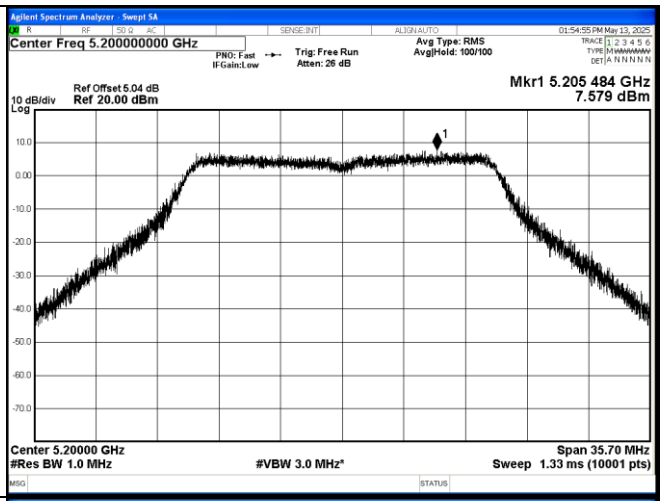
ANT 1

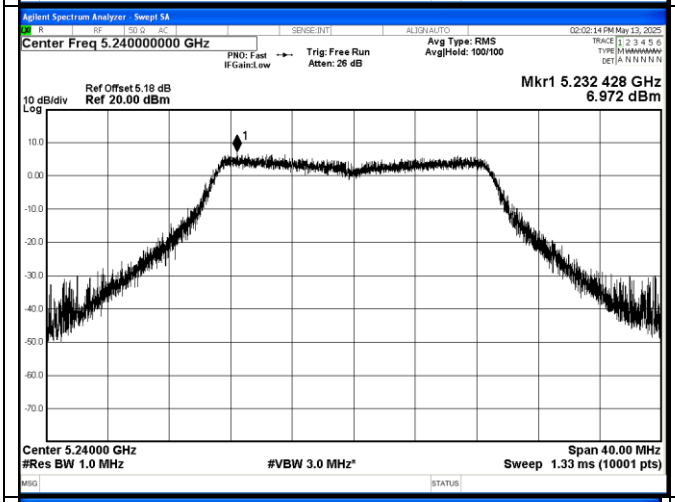


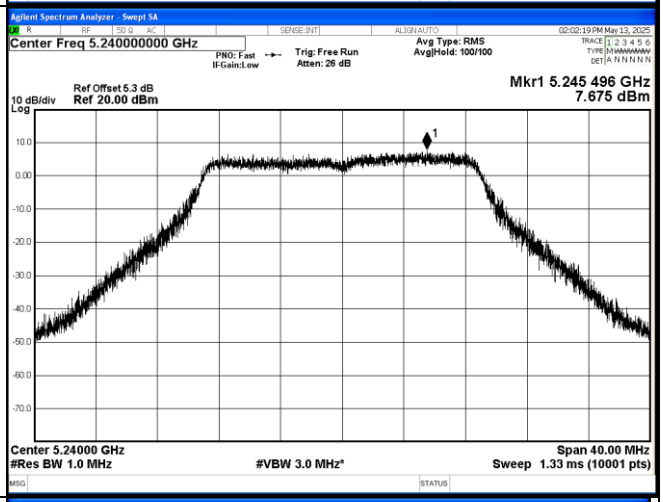
ANT 2

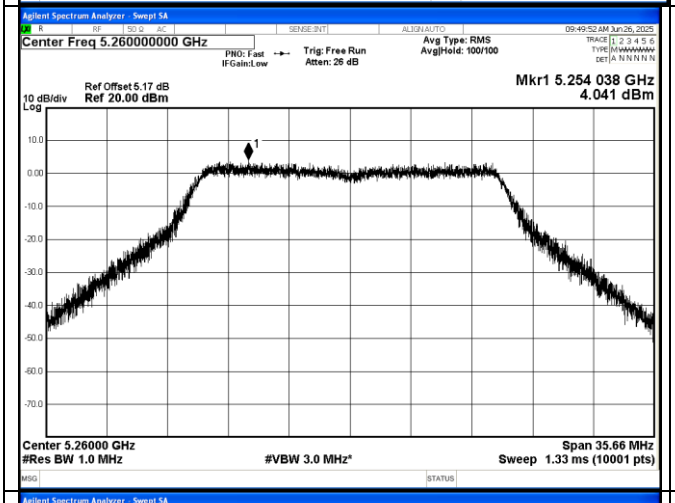


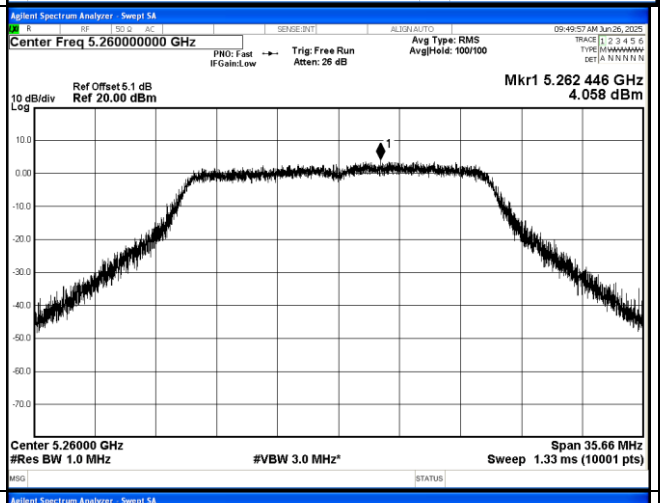

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.200000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
01:54:51 PM May 13, 2025
Ref Offset 5.16 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.208 083 GHz
7.905 dBm
Center 5.20000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 35.70 MHz
Sweep 1.33 ms (10001 pts)

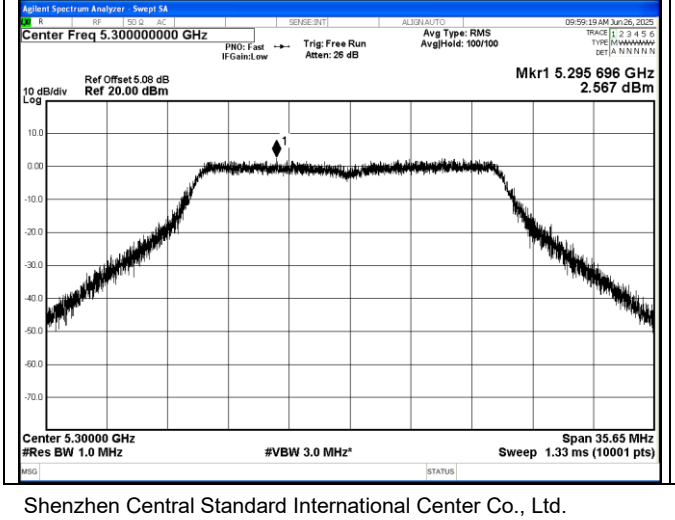

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.200000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
01:54:55 PM May 13, 2025
Ref Offset 5.04 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.205 484 GHz
7.579 dBm
Center 5.20000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 35.70 MHz
Sweep 1.33 ms (10001 pts)

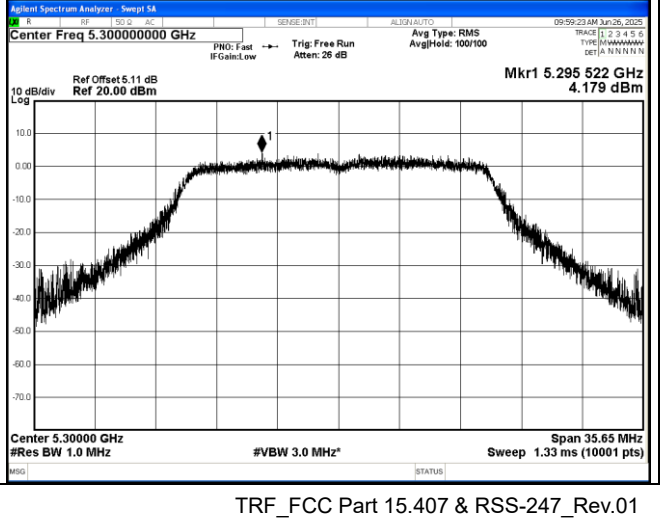

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.240000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
02:02:14 PM May 13, 2025
Ref Offset 5.18 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.232 428 GHz
6.972 dBm
Center 5.24000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

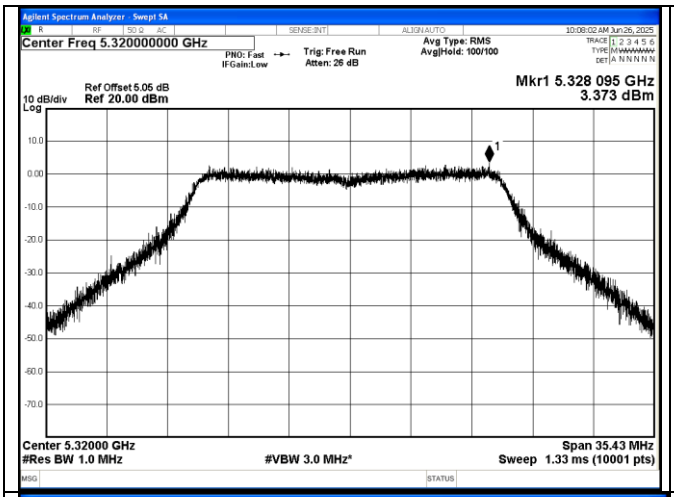

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.240000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
02:02:19 PM May 13, 2025
Ref Offset 5.3 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.245 496 GHz
7.675 dBm
Center 5.24000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

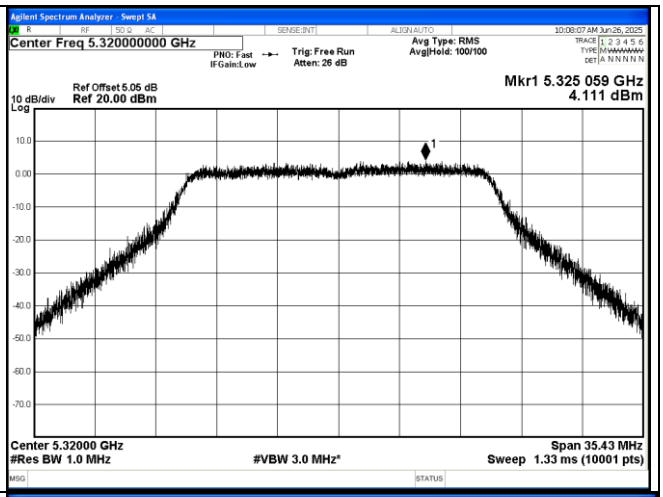

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.260000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
09:49:52 AM Jun 26, 2025
Ref Offset 5.17 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.254 038 GHz
4.041 dBm
Center 5.26000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 35.66 MHz
Sweep 1.33 ms (10001 pts)

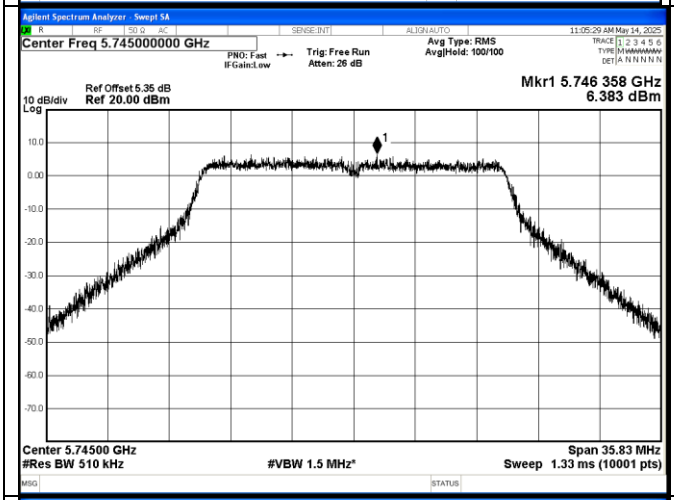

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.260000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
09:49:57 AM Jun 26, 2025
Ref Offset 5.1 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.262 446 GHz
4.058 dBm
Center 5.26000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 35.66 MHz
Sweep 1.33 ms (10001 pts)

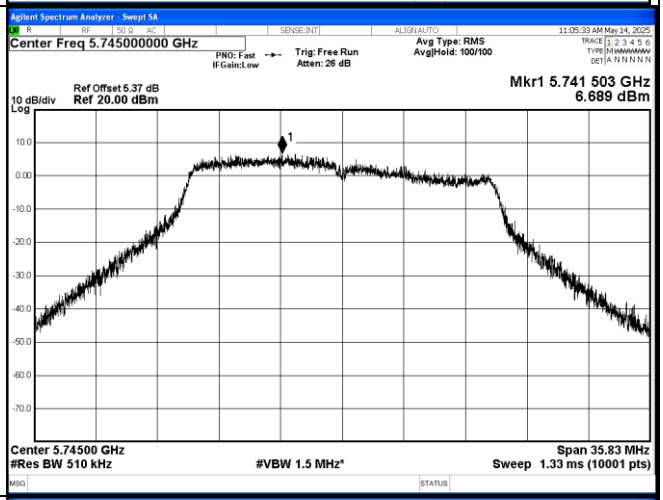

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.300000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
09:59:19 AM Jun 26, 2025
Ref Offset 5.08 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.295 696 GHz
2.567 dBm
Center 5.30000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 35.65 MHz
Sweep 1.33 ms (10001 pts)

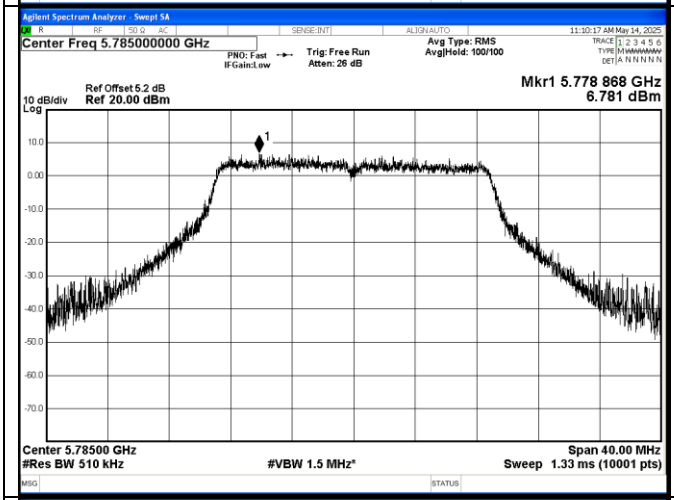

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.300000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
09:59:23 AM Jun 26, 2025
Ref Offset 5.11 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.295 522 GHz
4.179 dBm
Center 5.30000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 35.65 MHz
Sweep 1.33 ms (10001 pts)

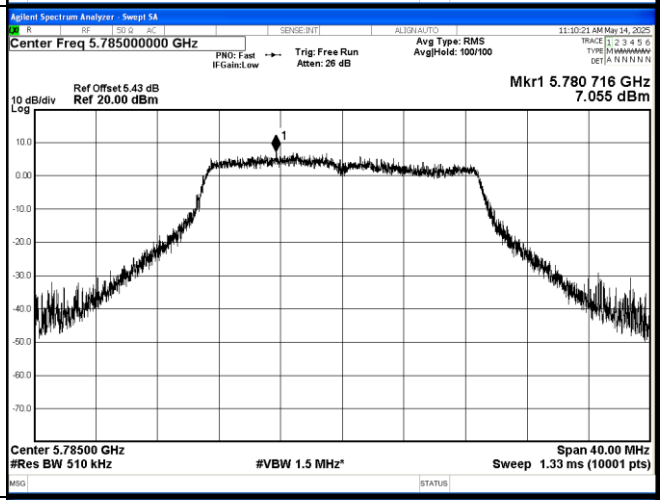

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:08:02 AM Jun 26, 2025
Ref Offset 5.05 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.328 095 GHz
3.373 dBm
Center 5.32000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 35.43 MHz
Sweep 1.33 ms (10001 pts)

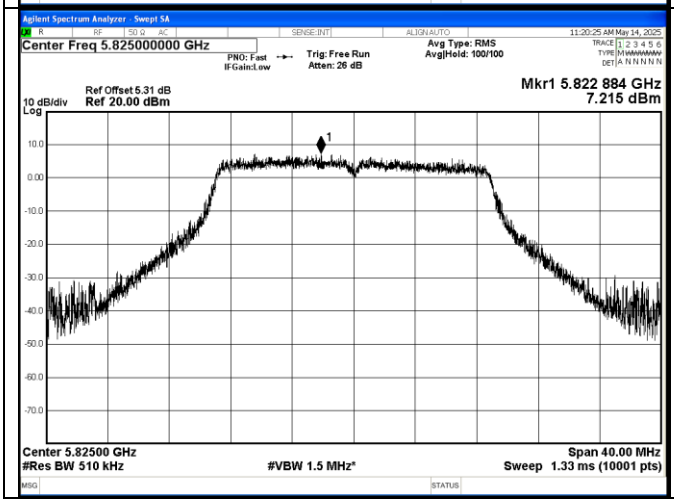

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
10:08:07 AM Jun 26, 2025
Ref Offset 5.05 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.325 059 GHz
4.111 dBm
Center 5.32000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 35.43 MHz
Sweep 1.33 ms (10001 pts)

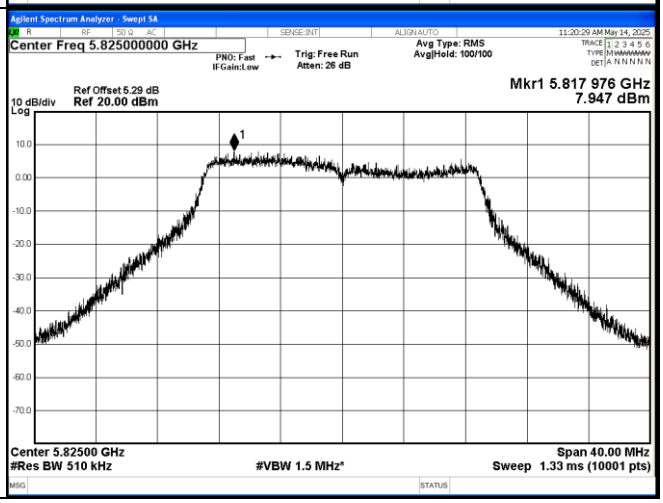

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.745000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:05:29 AM May 14, 2025
Ref Offset 5.35 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.746 358 GHz
6.383 dBm
Center 5.74500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 35.83 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.745000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:05:33 AM May 14, 2025
Ref Offset 5.37 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.741 503 GHz
6.689 dBm
Center 5.74500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 35.83 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.785000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:10:17 AM May 14, 2025
Ref Offset 5.2 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.778 868 GHz
6.781 dBm
Center 5.78500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.785000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:10:21 AM May 14, 2025
Ref Offset 5.43 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.780 716 GHz
7.055 dBm
Center 5.78500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:20:25 AM May 14, 2025
Ref Offset 5.31 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.822 884 GHz
7.215 dBm
Center 5.82500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 26 dB
Avg Type: RMS
Avg|Hold: 100/100
11:20:29 AM May 14, 2025
Ref Offset 5.29 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 5.817 976 GHz
7.947 dBm
Center 5.82500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 40.00 MHz
Sweep 1.33 ms (10001 pts)

802.11ac VHT40 mode:						
CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
38	5190	7.609	7.287	10.461	14.43	Pass
46	5230	7.276	8.277	10.816	14.43	Pass

CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
54	5270	3.989	4.972	7.519	8.43	Pass
62	5310	3.811	4.933	7.418	8.43	Pass

CH	Freq.	ANT1_PSD (dBm/500kHz)	ANT2_PSD (dBm/500kHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
151	5755	3.999	4.699	7.373	28.31	Pass
159	5795	4.041	4.865	7.483	28.31	Pass

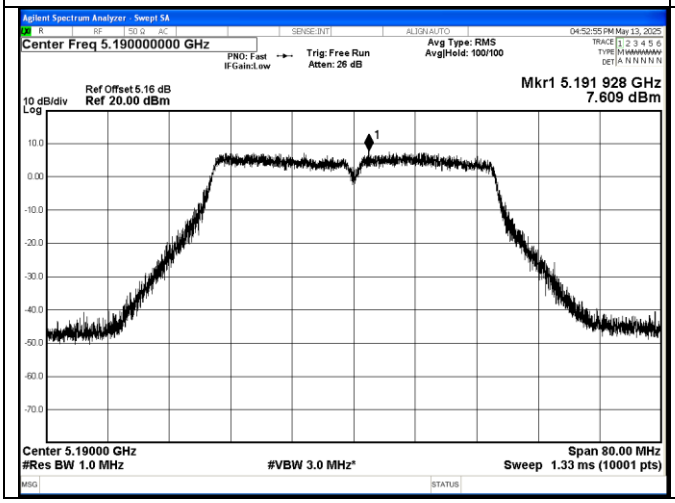
Note:

Antenna gain(G) of 802.11 a/n/ac/ax/be: 5150MHz to 5350MHz: 5.56 dBi,5725MHz to 5850MHz: 4.68 dBi(ANT1&2).

For 802.11n, 802.11ac, 802.11ax and 802.11be, the EUT incorporates a MIMO function. The 5150MHz to 5350MHz: Antenna directional gain = GANT + Array Gain = 8.57 dBi, and 5725MHz to 5850MHz: Antenna directional gain = GANT + Array Gain = 7.69 dBi, where Array Gain = 10 log(2/1) = 3.01 dB.

The maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The band 5150MHz to 5250MHz: maximum power spectral density limit is 17-(8.57-6)=14.43. The band 5250MHz to 5350MHz: maximum power spectral density limit is 11-(8.57-6)=8.43. The band 5725MHz to 5850MHz: maximum power spectral density limit is 30-(7.69-6)=28.31.

ANT 1



ANT 2