

The screenshot displays the 'Spectrum Analyzer 1' window. At the top, the 'KEYSTAGE' section shows input settings: 'Input: Full', 'Coupling: AC', 'Ref: Auto', 'Input 2: 50 Ω', 'Cor: Cross', 'Pwr: Ref', 'Unit: dBm', 'Att: 12 dB', 'UV Path: Standard', 'Trig: Free Run', 'Gate: Off', 'P#B: Low', 'Center Freq: 0.945000000 GHz', 'Avid: 100', '100/10', 'Radio: SSI', and 'Noise'. The 'Frequency' tab is selected, showing a plot of 'Span: 200.00 MHz' and 'CF Step: 20.000000 MHz'. The plot shows a signal at 0.9450 GHz with a bandwidth of 4.0000 MHz. The 'Sweep' is set to 1.00 ms (1001 pts). The 'Matrix' section shows 'Occupied Bandwidth: 77.530 MHz', 'Transmit Freq Error: -167.16 kHz', and 'x dB Bandwidth: 82.60 MHz'. The 'Measure Trace' section shows 'Total Power: 20.4 dBm', '% of OBW Power: 99.00%', and 'x dB: -26.00 dB'. The 'Settings' panel on the right shows 'Span: 200.00 MHz', 'CF Step: 20.000000 MHz', 'Auto', 'Mean', 'Freq Offset: 0 Hz', and 'Local'.

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input RF
Coupling: AC
Align: Auto

Input 2: 69.0 GHz
Cen Freq: 7.00500000 GHz
Freq Ref: 10.000000 MHz
Unit: GHz

Atten: 12.0 dB
Preamp: Off
BW Path: Standard
IF Path: Low

Trig: Free Run
Slope: Off
Scale: Low

Center Freq: 7.005000000 GHz
Span: 100.000000 MHz
Radio: Std Noise

Center Frequency
7.005000000 GHz

Span
100.00 MHz

CF Step
10.000000 MHz

Auto
Main

Freq Offset
0 Hz

Center 7.00500 GHz
#Video BW 2.0000 MHz

Span 100 MHz
Sweep 1.00 ms (1001 pts)

Matrix

Measure Trace		Trace 1	
Occupied Bandwidth	38.007 MHz	Total Power	16.9 dBm
Transmit Freq Error	-85.297 kHz	% of OBW Power	99.00 %
dB Bandwidth	44.50 MHz	x dB	-26.00 dB

Local

Spectrum Analyzer 1
Occupied BW

KEYSTAGE Input: FS
R: T → Coupling: AGC
A: N/A Auto

Input 2: 50 Ω
Corr: Corr Ref
Prog Ref: Int Off
NH: Off

Att: 20 dB
Pres: CF
JW Path: Standard
HF Gain: Low

Trig: Free Run
Gate: Off
Scale: 0 dB

Center Freq: 0.98500000 GHz
Aval: 100 MHz
Radio: SH Menu

Center Frequency
0.985000000 GHz

Span
400.000 MHz

CF Step
40.000000 MHz

Auto
Main

Freq Offset
0 Hz

Scale/Chir 10.0 dB
Ref Value 23.00 dBm

Center 0.9850 GHz
dBW BW 2.0000 MHz

Span 400 MHz
Sweep 1.00 ms (1001 pts)

Metrics

Occupied Bandwidth	Measure Trace	Trace 1
156.50 MHz	Total Power	23.5 dBm
Transmit Freq Error	% of OBW Power	99.00 %
x dB Bandwidth		-26.00 dB

Local

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2 BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 44 of 239

7.3 Conducted Output Power and Max EIRP Measurement

§15.407(a)(7)(8), RSS-248 [4.5.3], [4.5.5]

Test Overview and Limits

A transmitter antenna terminal of the EUT is connected to the input of an RF pulse power sensor. Measurement is made using a broadband average power meter while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies.

In the 5.925 – 7.125GHz band, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm for Standard Power mode (SP), and 24dBm for Low Power Indoor mode (LPI).

Test Procedure Used

ANSI C63.10-2020 – Section 12.4.3.2 Method PM-G
KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G
ANSI C63.10-2020 – Section 14.4 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)1) Measure-and-Sum Technique

Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-2. Test Instrument & Measurement Setup

Test Notes

None

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 45 of 239

V 11.0 5/2025

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7.3.1 Antenna WF5B Conducted Output Power Measurements – SP

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	6Mbps	18.45	1.30	19.75	30.00	-10.25
	6175	45	6Mbps	18.28	1.80	20.08	30.00	-9.92
	6415	93	36Mbps	18.21	1.30	19.51	30.00	-10.50
	6435	97	6Mbps	17.45	1.70	19.15	30.00	-10.85
	6475	105	36Mbps	17.39	1.70	19.09	30.00	-10.92
	6515	113	6Mbps	17.50	1.70	19.20	30.00	-10.80
	6535	117	6Mbps	17.28	2.60	19.88	30.00	-10.12
	6695	149	6Mbps	17.28	2.60	19.88	30.00	-10.12
	6855	181	6Mbps	17.35	2.60	19.95	30.00	-10.05

Table 7-8. Antenna WF5B 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	MCS3	18.42	1.30	19.72	30.00	-10.28
	6175	45	MCS3	18.28	1.80	20.08	30.00	-9.93
	6415	93	MCS3	18.14	1.30	19.44	30.00	-10.56
	6435	97	MCS0	17.38	1.70	19.08	30.00	-10.92
	6475	105	MCS3	17.35	1.70	19.05	30.00	-10.95
	6515	113	MCS5	17.46	1.70	19.16	30.00	-10.84
	6535	117	MCS0	17.49	2.60	20.09	30.00	-9.91
	6695	149	MCS0	17.46	2.60	20.06	30.00	-9.94
	6855	181	MCS3	17.33	2.60	19.93	30.00	-10.07

Table 7-9. Antenna WF5B 20MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	MCS0	18.46	1.30	19.76	30.00	-10.24
	6165	43	MCS0	18.15	1.80	19.95	30.00	-10.05
	6405	91	MCS0	18.48	1.30	19.78	30.00	-10.22
	6445	99	MCS5	17.40	1.70	19.10	30.00	-10.90
	6485	107	MCS0	17.40	1.70	19.10	30.00	-10.90
	6525	115	MCS3	17.41	2.60	20.01	30.00	-9.99
	6565	123	MCS0	17.41	2.60	20.01	30.00	-9.99
	6725	155	MCS0	17.50	2.60	20.10	30.00	-9.90
	6845	179	MCS0	17.30	2.60	19.90	30.00	-10.10

Table 7-10. Antenna WF5B 40MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	MCS5	18.45	1.30	19.75	30.00	-10.25
	6145	39	MCS0	18.33	1.80	20.13	30.00	-9.87
	6385	87	MCS0	18.46	1.30	19.76	30.00	-10.24
	6465	103	MCS0	17.30	1.70	19.00	30.00	-11.00
	6545	119	MCS3	17.42	2.60	20.02	30.00	-9.98
	6705	151	MCS0	17.48	2.60	20.08	30.00	-9.93
	6785	167	MCS0	17.36	2.60	19.96	30.00	-10.04

Table 7-11. Antenna WF5B 80MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	MCS3	18.34	1.30	19.64	30.00	-10.36
	6185	47	MCS0	18.31	1.80	20.11	30.00	-9.89
	6345	79	MCS5	18.32	1.30	19.62	30.00	-10.38
	6505	111	MCS5	17.28	1.70	18.98	30.00	-11.02
	6665	143	MCS0	17.44	2.60	20.04	30.00	-9.96

Table 7-12. Antenna WF5B 160MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		Page 46 of 239

7.3.2 Antenna WF5B Conducted Output Power Measurements – LPI

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	6Mbps	6.88	1.30	8.18	24.00	-15.83
	6175	45	6Mbps	7.01	1.80	8.81	24.00	-15.19
	6415	93	6Mbps	7.80	1.30	9.10	24.00	-14.90
	6435	97	6Mbps	7.35	1.70	9.05	24.00	-14.95
	6475	105	18Mbps	7.31	1.70	9.01	24.00	-14.99
	6515	113	36Mbps	7.12	1.70	8.82	24.00	-15.18
	6535	117	6Mbps	6.46	2.60	9.06	24.00	-14.94
	6695	149	18Mbps	6.49	2.60	9.09	24.00	-14.91
	6875	185	6Mbps	5.74	2.60	8.34	24.00	-15.66
	6895	189	6Mbps	5.23	3.50	8.73	24.00	-15.27
	6995	209	6Mbps	5.17	3.50	8.67	24.00	-15.33
	7115	233	6Mbps	4.89	3.50	8.39	24.00	-15.61

Table 7-13. Antenna WF5B 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	MCS3	6.80	1.30	8.10	24.00	-15.90
	6175	45	MCS5	7.24	1.80	9.04	24.00	-14.96
	6415	93	MCS3	8.00	1.30	9.30	24.00	-14.70
	6435	97	MCS0	7.57	1.70	9.27	24.00	-14.73
	6475	105	MCS5	7.60	1.70	9.30	24.00	-14.71
	6515	113	MCS0	7.48	1.70	9.18	24.00	-14.82
	6535	117	MCS0	6.49	2.60	9.09	24.00	-14.91
	6695	149	MCS0	6.26	2.60	8.86	24.00	-15.14
	6875	185	MCS0	5.74	2.60	8.34	24.00	-15.66
	6895	189	MCS3	5.68	3.50	9.18	24.00	-14.82
	6995	209	MCS0	5.69	3.50	9.19	24.00	-14.81
	7115	233	MCS0	4.74	3.50	8.24	24.00	-15.77

Table 7-14. Antenna WF5B 20MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	MCS0	10.04	1.30	11.34	24.00	-12.66
	6165	43	MCS0	10.02	1.80	11.82	24.00	-12.18
	6405	91	MCS0	10.89	1.30	12.19	24.00	-11.81
	6445	99	MCS0	10.49	1.70	12.19	24.00	-11.81
	6485	107	MCS0	10.54	1.70	12.24	24.00	-11.76
	6525	115	MCS3	9.43	2.60	12.03	24.00	-11.97
	6565	123	MCS5	9.54	2.60	12.14	24.00	-11.86
	6725	155	MCS5	9.19	2.60	11.79	24.00	-12.21
	6845	179	MCS5	9.42	2.60	12.02	24.00	-11.98
	6885	187	MCS5	8.50	3.50	12.00	24.00	-12.00
	7005	211	MCS3	8.57	3.50	12.07	24.00	-11.93
	7085	227	MCS0	8.40	3.50	11.90	24.00	-12.11

Table 7-15. Antenna WF5B 40MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 47 of 239

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	MCS0	12.87	1.30	14.17	24.00	-9.83
	6145	39	MCS0	13.26	1.80	15.06	24.00	-8.94
	6385	87	MCS3	13.71	1.30	15.01	24.00	-8.99
	6465	103	MCS5	13.49	1.70	15.19	24.00	-8.81
	6545	119	MCS0	12.48	2.60	15.08	24.00	-8.92
	6705	151	MCS5	12.67	2.60	15.27	24.00	-8.74
	6865	183	MCS0	11.62	2.60	14.22	24.00	-9.78
	6945	199	MCS0	11.60	3.50	15.10	24.00	-8.90
	7025	215	MCS5	11.75	3.50	15.25	24.00	-8.75

Table 7-16. Antenna WF5B 80MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	MCS0	15.62	1.30	16.92	24.00	-7.08
	6185	47	MCS0	15.75	1.80	17.55	24.00	-6.45
	6345	79	MCS5	16.78	1.30	18.08	24.00	-5.92
	6505	111	MCS3	15.15	1.70	16.85	24.00	-7.15
	6665	143	MCS0	15.14	2.60	17.74	24.00	-6.26
	6825	175	MCS3	14.23	2.60	16.83	24.00	-7.18
	6985	207	MCS5	14.48	3.50	17.98	24.00	-6.02

Table 7-17. Antenna WF5B 160MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 48 of 239

7.3.3 Antenna 4a Conducted Output Power Measurements – SP

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	6Mbps	18.80	1.60	20.40	30.00	-9.60
	6175	45	6Mbps	18.89	1.00	19.89	30.00	-10.11
	6415	93	6Mbps	18.63	0.50	19.13	30.00	-10.87
	6435	97	6Mbps	18.42	1.10	19.52	30.00	-10.48
	6475	105	6Mbps	18.35	1.10	19.45	30.00	-10.55
	6515	113	6Mbps	18.25	1.10	19.35	30.00	-10.65
	6535	117	6Mbps	18.25	2.30	20.55	30.00	-9.45
	6695	149	6Mbps	18.21	2.30	20.51	30.00	-9.49
	6855	181	6Mbps	18.26	2.30	20.56	30.00	-9.44

Table 7-18. Antenna 4a 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	MCS0	18.86	1.60	20.46	30.00	-9.54
	6175	45	MCS0	18.93	1.00	19.93	30.00	-10.07
	6415	93	MCS0	18.63	0.50	19.13	30.00	-10.87
	6435	97	MCS0	18.42	1.10	19.52	30.00	-10.48
	6475	105	MCS0	18.33	1.10	19.43	30.00	-10.57
	6515	113	MCS0	18.33	1.10	19.43	30.00	-10.57
	6535	117	MCS0	18.15	2.30	20.45	30.00	-9.55
	6695	149	MCS0	18.22	2.30	20.52	30.00	-9.48
	6855	181	MCS0	18.31	2.30	20.61	30.00	-9.40

Table 7-19. Antenna 4a 20MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	MCS0	18.98	1.60	20.58	30.00	-9.42
	6165	43	MCS0	18.76	1.00	19.76	30.00	-10.24
	6405	91	MCS5	18.99	0.50	19.49	30.00	-10.51
	6445	99	MCS0	18.29	1.10	19.39	30.00	-10.61
	6485	107	MCS0	18.30	1.10	19.40	30.00	-10.60
	6525	115	MCS3	18.37	2.30	20.67	30.00	-9.33
	6565	123	MCS0	18.40	2.30	20.70	30.00	-9.30
	6725	155	MCS0	18.39	2.30	20.69	30.00	-9.31
	6845	179	MCS0	18.28	2.30	20.58	30.00	-9.42

Table 7-20. Antenna 4a 40MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	MCS5	18.94	1.60	20.54	30.00	-9.46
	6145	39	MCS0	18.97	1.00	19.97	30.00	-10.03
	6385	87	MCS3	18.70	0.50	19.20	30.00	-10.80
	6465	103	MCS3	18.30	1.10	19.40	30.00	-10.60
	6545	119	MCS5	18.41	2.30	20.71	30.00	-9.29
	6705	151	MCS5	18.48	2.30	20.78	30.00	-9.22
	6785	167	MCS0	18.45	2.30	20.75	30.00	-9.26

Table 7-21. Antenna 4a 80MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	MCS3	18.70	1.60	20.30	30.00	-9.70
	6185	47	MCS0	18.95	1.00	19.95	30.00	-10.05
	6345	79	MCS3	18.90	0.50	19.40	30.00	-10.60
	6505	111	MCS5	18.50	1.10	19.60	30.00	-10.40
	6665	143	MCS5	18.32	2.30	20.62	30.00	-9.38

Table 7-22. Antenna 4a 160MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 49 of 239	

7.3.4 Antenna 4a Conducted Output Power Measurements – LPI

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	36Mbps	6.68	1.60	8.28	24.00	-15.72
	6175	45	18Mbps	8.06	1.00	9.06	24.00	-14.94
	6415	93	36Mbps	8.69	0.50	9.19	24.00	-14.81
	6435	97	18Mbps	8.05	1.10	9.15	24.00	-14.85
	6475	105	36Mbps	7.93	1.10	9.03	24.00	-14.97
	6515	113	36Mbps	8.06	1.10	9.16	24.00	-14.84
	6535	117	18Mbps	6.80	2.30	9.10	24.00	-14.90
	6695	149	6Mbps	6.70	2.30	9.00	24.00	-15.00
	6875	185	36Mbps	6.63	2.30	8.93	24.00	-15.07
	6895	189	36Mbps	9.44	-0.50	8.94	24.00	-15.06
	6995	209	36Mbps	9.36	-0.50	8.86	24.00	-15.14
	7115	233	6Mbps	8.34	-0.50	7.84	24.00	-16.16

Table 7-23. Antenna 4a 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	MCS0	6.71	1.60	8.31	24.00	-15.69
	6175	45	MCS5	8.18	1.00	9.18	24.00	-14.82
	6415	93	MCS0	8.89	0.50	9.39	24.00	-14.61
	6435	97	MCS0	7.96	1.10	9.06	24.00	-14.94
	6475	105	MCS0	8.16	1.10	9.26	24.00	-14.74
	6515	113	MCS0	7.81	1.10	8.91	24.00	-15.09
	6535	117	MCS3	6.55	2.30	8.85	24.00	-15.15
	6695	149	MCS3	6.52	2.30	8.82	24.00	-15.18
	6875	185	MCS3	7.06	2.30	9.36	24.00	-14.64
	6895	189	MCS5	9.46	-0.50	8.96	24.00	-15.04
	6995	209	MCS3	9.49	-0.50	8.99	24.00	-15.01
	7115	233	MCS3	8.58	-0.50	8.08	24.00	-15.92

Table 7-24. Antenna 4a 20MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	MCS0	9.62	1.60	11.22	24.00	-12.78
	6165	43	MCS5	11.16	1.00	12.16	24.00	-11.84
	6405	91	MCS0	11.72	0.50	12.22	24.00	-11.78
	6445	99	MCS0	10.82	1.10	11.92	24.00	-12.08
	6485	107	MCS0	10.70	1.10	11.80	24.00	-12.20
	6525	115	MCS0	9.77	2.30	12.07	24.00	-11.93
	6565	123	MCS5	9.83	2.30	12.13	24.00	-11.87
	6725	155	MCS0	9.68	2.30	11.98	24.00	-12.03
	6845	179	MCS0	9.66	2.30	11.96	24.00	-12.05
	6885	187	MCS3	9.84	-0.50	9.34	24.00	-14.66
	7005	211	MCS0	12.34	-0.50	11.84	24.00	-12.16
	7085	227	MCS3	12.56	-0.50	12.06	24.00	-11.94

Table 7-25. Antenna 4a 40MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 50 of 239

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	MCS3	12.77	1.60	14.37	24.00	-9.63
	6145	39	MCS5	14.29	1.00	15.29	24.00	-8.71
	6385	87	MCS0	14.79	0.50	15.29	24.00	-8.71
	6465	103	MCS0	14.06	1.10	15.16	24.00	-8.84
	6545	119	MCS5	12.99	2.30	15.29	24.00	-8.71
	6705	151	MCS0	12.72	2.30	15.02	24.00	-8.98
	6865	183	MCS3	12.61	2.30	14.91	24.00	-9.10
	6945	199	MCS0	15.54	-0.50	15.04	24.00	-8.96
	7025	215	MCS0	15.41	-0.50	14.91	24.00	-9.09

Table 7-26. Antenna 4a 80MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	MCS0	15.50	1.60	17.10	24.00	-6.90
	6185	47	MCS0	16.98	1.00	17.98	24.00	-6.02
	6345	79	MCS0	17.38	0.50	17.88	24.00	-6.12
	6505	111	MCS3	15.66	1.10	16.76	24.00	-7.24
	6665	143	MCS0	15.63	2.30	17.93	24.00	-6.07
	6825	175	MCS3	15.35	2.30	17.65	24.00	-6.35
	6985	207	MCS0	18.15	-0.50	17.65	24.00	-6.35

Table 7-27. Antenna 4a 160MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 51 of 239

7.3.5 Antenna 2a Conducted Output Power Measurements – SP

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	6Mbps	18.42	-1.50	16.92	30.00	-13.08
	6175	45	36Mbps	18.32	0.80	19.12	30.00	-10.89
	6415	93	36Mbps	18.33	-0.30	18.03	30.00	-11.97
	6435	97	18Mbps	17.46	-0.10	17.36	30.00	-12.64
	6475	105	36Mbps	17.14	-0.10	17.04	30.00	-12.96
	6515	113	36Mbps	17.45	-0.10	17.35	30.00	-12.65
	6535	117	36Mbps	17.41	1.30	18.71	30.00	-11.29
	6695	149	18Mbps	17.28	1.30	18.58	30.00	-11.42
	6855	181	18Mbps	17.49	1.30	18.79	30.00	-11.21

Table 7-28. Antenna 2a 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	MCS3	18.46	-1.50	16.96	30.00	-13.04
	6175	45	MCS3	18.31	0.80	19.11	30.00	-10.89
	6415	93	MCS0	18.50	-0.30	18.20	30.00	-11.80
	6435	97	MCS0	17.38	-0.10	17.28	30.00	-12.72
	6475	105	MCS3	17.31	-0.10	17.21	30.00	-12.79
	6515	113	MCS0	17.21	-0.10	17.11	30.00	-12.89
	6535	117	MCS0	17.43	1.30	18.73	30.00	-11.28
	6695	149	MCS5	17.42	1.30	18.72	30.00	-11.28
	6855	181	MCS0	17.48	1.30	18.78	30.00	-11.22

Table 7-29. Antenna 2a 20MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	MCS3	18.30	-1.50	16.80	30.00	-13.20
	6165	43	MCS5	18.47	0.80	19.27	30.00	-10.74
	6405	91	MCS0	18.29	-0.30	17.99	30.00	-12.01
	6445	99	MCS3	17.35	-0.10	17.25	30.00	-12.75
	6485	107	MCS3	17.36	-0.10	17.26	30.00	-12.74
	6525	115	MCS0	17.27	1.30	18.57	30.00	-11.43
	6565	123	MCS0	17.48	1.30	18.78	30.00	-11.22
	6725	155	MCS5	17.45	1.30	18.75	30.00	-11.25
	6845	179	MCS0	17.26	1.30	18.56	30.00	-11.44

Table 7-30. Antenna 2a 40MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	MCS3	18.39	-1.50	16.89	30.00	-13.11
	6145	39	MCS3	18.40	0.80	19.20	30.00	-10.80
	6385	87	MCS3	18.35	-0.30	18.05	30.00	-11.95
	6465	103	MCS0	17.19	-0.10	17.09	30.00	-12.91
	6545	119	MCS3	17.32	1.30	18.62	30.00	-11.38
	6705	151	MCS3	17.33	1.30	18.63	30.00	-11.37
	6785	167	MCS3	17.32	1.30	18.62	30.00	-11.38

Table 7-31. Antenna 2a 80MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	MCS5	18.44	-1.50	16.94	30.00	-13.06
	6185	47	MCS0	18.45	0.80	19.25	30.00	-10.75
	6345	79	MCS5	18.22	-0.30	17.92	30.00	-12.08
	6505	111	MCS3	17.45	-0.10	17.35	30.00	-12.65
	6665	143	MCS0	17.28	1.30	18.58	30.00	-11.42

Table 7-32. Antenna 2a 160MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 52 of 239	

7.3.6 Antenna 2a Conducted Output Power Measurements – LPI

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	36Mbps	6.82	-1.50	5.32	24.00	-18.68
	6175	45	36Mbps	6.97	0.80	7.77	24.00	-16.23
	6415	93	6Mbps	7.74	-0.30	7.44	24.00	-16.56
	6435	97	36Mbps	7.28	-0.10	7.18	24.00	-16.82
	6475	105	18Mbps	7.39	-0.10	7.29	24.00	-16.71
	6515	113	18Mbps	7.15	-0.10	7.05	24.00	-16.95
	6535	117	18Mbps	6.38	1.30	7.68	24.00	-16.33
	6695	149	6Mbps	6.40	1.30	7.70	24.00	-16.30
	6875	185	36Mbps	5.46	1.30	6.76	24.00	-17.24
	6895	189	36Mbps	5.32	-0.30	5.02	24.00	-18.98
	6995	209	6Mbps	5.21	-0.30	4.91	24.00	-19.09
	7115	233	36Mbps	4.99	-0.30	4.69	24.00	-19.31

Table 7-33. Antenna 2a 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5955	1	MCS5	6.80	-1.50	5.30	24.00	-18.70
	6175	45	MCS5	7.25	0.80	8.05	24.00	-15.95
	6415	93	MCS3	7.84	-0.30	7.54	24.00	-16.46
	6435	97	MCS0	7.53	-0.10	7.43	24.00	-16.57
	6475	105	MCS3	7.58	-0.10	7.48	24.00	-16.52
	6515	113	MCS3	7.57	-0.10	7.47	24.00	-16.53
	6535	117	MCS3	6.47	1.30	7.77	24.00	-16.23
	6695	149	MCS3	6.47	1.30	7.77	24.00	-16.23
	6875	185	MCS3	5.68	1.30	6.98	24.00	-17.02
	6895	189	MCS3	5.63	-0.30	5.33	24.00	-18.67
	6995	209	MCS5	5.53	-0.30	5.23	24.00	-18.77
	7115	233	MCS3	5.06	-0.30	4.76	24.00	-19.25

Table 7-34. Antenna 2a 20MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	MCS0	9.86	-1.50	8.36	24.00	-15.64
	6165	43	MCS0	10.13	0.80	10.93	24.00	-13.07
	6405	91	MCS0	10.98	-0.30	10.68	24.00	-13.32
	6445	99	MCS0	10.37	-0.10	10.27	24.00	-13.74
	6485	107	MCS0	10.45	-0.10	10.35	24.00	-13.65
	6525	115	MCS0	9.36	1.30	10.66	24.00	-13.34
	6565	123	MCS0	9.46	1.30	10.76	24.00	-13.24
	6725	155	MCS5	9.29	1.30	10.59	24.00	-13.41
	6845	179	MCS3	9.43	1.30	10.73	24.00	-13.27
	6885	187	MCS0	8.37	-0.30	8.07	24.00	-15.93
	7005	211	MCS0	8.38	-0.30	8.08	24.00	-15.92
	7085	227	MCS0	8.37	-0.30	8.07	24.00	-15.93

Table 7-35. Antenna 2a 40MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 53 of 239

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	MCS0	12.85	-1.50	11.35	24.00	-12.65
	6145	39	MCS5	13.28	0.80	14.08	24.00	-9.93
	6385	87	MCS0	13.87	-0.30	13.57	24.00	-10.43
	6465	103	MCS5	13.59	-0.10	13.49	24.00	-10.51
	6545	119	MCS0	12.49	1.30	13.79	24.00	-10.22
	6705	151	MCS5	12.66	1.30	13.96	24.00	-10.04
	6865	183	MCS0	11.65	1.30	12.95	24.00	-11.05
	6945	199	MCS5	11.41	-0.30	11.11	24.00	-12.89
	7025	215	MCS3	11.77	-0.30	11.47	24.00	-12.53

Table 7-36. Antenna 2a 80MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Data Rate	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	MCS3	15.48	-1.50	13.98	24.00	-10.02
	6185	47	MCS3	15.69	0.80	16.49	24.00	-7.51
	6345	79	MCS5	16.76	-0.30	16.46	24.00	-7.54
	6505	111	MCS3	15.13	-0.10	15.03	24.00	-8.98
	6665	143	MCS5	15.18	1.30	16.48	24.00	-7.52
	6825	175	MCS5	14.23	1.30	15.53	24.00	-8.47
	6985	207	MCS5	14.45	-0.30	14.15	24.00	-9.85

Table 7-37. Antenna 2a 160MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 54 of 239

7.3.7 CDD Primary Conducted Output Power Measurements – SP

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed				
	5955	1	CDD	6Mbps	18.46	18.33	21.40	1.60	23.00	30.00	-7.00
	6175	45	CDD	18Mbps	18.12	18.47	21.31	1.80	23.11	30.00	-6.89
	6415	93	CDD	36Mbps	18.50	18.43	21.48	1.30	22.78	30.00	-7.22
	6435	97	CDD	36Mbps	17.40	17.27	20.35	1.70	22.05	30.00	-7.95
	6475	105	CDD	18Mbps	17.32	17.16	20.25	1.70	21.95	30.00	-8.05
	6515	113	CDD	36Mbps	17.45	17.21	20.34	1.70	22.04	30.00	-7.96
	6535	117	CDD	18Mbps	17.26	17.49	20.39	2.60	22.99	30.00	-7.01
	6695	149	CDD	36Mbps	17.50	17.37	20.44	2.60	23.04	30.00	-6.96
	6855	181	CDD	6Mbps	17.16	17.12	20.15	2.60	22.75	30.00	-7.25

Table 7-38. CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed				
	5955	1	CDD	MCS3	18.38	18.46	21.43	1.60	23.03	30.00	-6.97
	6175	45	CDD	MCS3	18.22	18.50	21.37	1.80	23.17	30.00	-6.83
	6415	93	CDD	MCS0	18.46	18.43	21.45	1.30	22.75	30.00	-7.25
	6435	97	CDD	MCS5	17.36	17.34	20.36	1.70	22.06	30.00	-7.94
	6475	105	CDD	MCS5	17.37	17.20	20.30	1.70	22.00	30.00	-8.00
	6515	113	CDD	MCS5	17.48	17.14	20.32	1.70	22.02	30.00	-7.98
	6535	117	CDD	MCS0	17.47	17.45	20.47	2.60	23.07	30.00	-6.93
	6695	149	CDD	MCS0	17.43	17.28	20.36	2.60	22.96	30.00	-7.04
	6855	181	CDD	MCS3	17.31	17.33	20.33	2.60	22.93	30.00	-7.07

Table 7-39. CDD Primary 20MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed				
	5965	3	CDD	MCS0	18.46	18.45	21.47	1.60	23.07	30.00	-6.93
	6165	43	CDD	MCS5	18.11	18.34	21.23	1.80	23.03	30.00	-6.97
	6405	91	CDD	MCS3	18.46	18.35	21.42	1.30	22.72	30.00	-7.28
	6445	99	CDD	MCS0	17.41	17.46	20.44	1.70	22.14	30.00	-7.86
	6485	107	CDD	MCS0	17.42	17.47	20.46	1.70	22.16	30.00	-7.84
	6525	115	CDD	MCS0	17.44	17.39	20.43	2.60	23.03	30.00	-6.97
	6565	123	CDD	MCS0	17.16	17.36	20.27	2.60	22.87	30.00	-7.13
	6725	155	CDD	MCS0	17.29	17.31	20.31	2.60	22.91	30.00	-7.09
	6845	179	CDD	MCS0	17.49	17.34	20.42	2.60	23.02	30.00	-6.98

Table 7-40. CDD Primary 40MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed				
	5985	7	CDD	MCS5	18.45	18.14	21.31	1.60	22.91	30.00	-7.09
	6145	39	CDD	MCS0	18.31	18.27	21.30	1.80	23.10	30.00	-6.90
	6385	87	CDD	MCS0	18.48	18.22	21.36	1.30	22.66	30.00	-7.34
	6465	103	CDD	MCS0	17.30	17.30	20.31	1.70	22.01	30.00	-7.99
	6545	119	CDD	MCS3	17.41	17.30	20.37	2.60	22.97	30.00	-7.03
	6705	151	CDD	MCS5	17.42	17.32	20.38	2.60	22.98	30.00	-7.02
	6785	167	CDD	MCS0	17.35	17.25	20.31	2.60	22.91	30.00	-7.09

Table 7-41. CDD Primary 80MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed				
	6025	15	CDD	MCS3	18.32	18.47	21.40	1.60	23.00	30.00	-7.00
	6185	47	CDD	MCS0	18.31	18.30	21.31	1.80	23.11	30.00	-6.89
	6345	79	CDD	MCS3	18.32	18.44	21.39	1.30	22.69	30.00	-7.31
	6505	111	CDD	MCS3	17.12	17.47	20.31	1.70	22.01	30.00	-7.99
	6665	143	CDD	MCS0	17.46	17.43	20.45	2.60	23.05	30.00	-6.95

Table 7-42. CDD Primary 160MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 55 of 239

7.3.8 CDD/SDM Primary Conducted Output Power Measurements – LPI

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed				
	5955	1	CDD	6Mbps	0.67	0.77	3.73	1.60	5.33	24.00	-18.67
	6175	45	CDD	18Mbps	1.46	1.38	4.43	1.80	6.23	24.00	-17.77
	6415	93	CDD	6Mbps	2.13	1.99	5.07	1.30	6.37	24.00	-17.63
	6435	97	CDD	6Mbps	1.66	1.59	4.64	1.70	6.34	24.00	-17.66
	6475	105	CDD	6Mbps	1.68	1.52	4.61	1.70	6.31	24.00	-17.69
	6515	113	CDD	6Mbps	1.69	1.67	4.69	1.70	6.39	24.00	-17.61
	6535	117	CDD	36Mbps	0.26	0.35	3.32	2.60	5.92	24.00	-18.08
	6695	149	CDD	36Mbps	0.43	0.49	3.47	2.60	6.07	24.00	-17.93
	6875	185	CDD	36Mbps	0.16	0.20	3.19	2.60	5.79	24.00	-18.21
	6895	189	CDD	36Mbps	0.35	1.01	3.70	3.50	7.20	24.00	-16.80
	6995	209	CDD	18Mbps	1.01	0.95	3.99	3.50	7.49	24.00	-16.51
	7115	233	CDD	36Mbps	-0.11	0.38	3.15	3.50	6.65	24.00	-17.35

Table 7-43. CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed				
	5955	1	SDM	MCS3	3.62	3.49	6.56	1.45	8.01	24.00	-15.99
	6175	45	SDM	MCS0	4.63	4.51	7.58	1.42	9.00	24.00	-15.00
	6415	93	SDM	MCS0	5.39	5.12	8.27	0.92	9.19	24.00	-14.81
	6435	97	SDM	MCS0	4.83	4.45	7.65	1.41	9.06	24.00	-14.94
	6475	105	SDM	MCS3	4.74	4.68	7.72	1.41	9.13	24.00	-14.87
	6515	113	SDM	MCS5	4.68	4.81	7.76	1.41	9.17	24.00	-14.83
	6535	117	SDM	MCS0	3.37	3.49	6.44	2.45	8.89	24.00	-15.11
	6695	149	SDM	MCS0	3.49	3.38	6.45	2.45	8.90	24.00	-15.10
	6875	185	SDM	MCS3	3.26	3.45	6.36	2.45	8.81	24.00	-15.19
	6895	189	SDM	MCS0	4.17	3.88	7.03	1.95	8.98	24.00	-15.02
	6995	209	SDM	MCS5	4.20	3.88	7.05	1.95	9.00	24.00	-15.00
	7115	233	SDM	MCS3	3.09	3.33	6.22	1.95	8.17	24.00	-15.83

Table 7-44. SDM Primary 20MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed				
	5965	3	SDM	MCS0	6.83	6.67	9.76	1.45	11.21	24.00	-12.79
	6165	43	SDM	MCS0	7.36	7.50	10.44	1.42	11.86	24.00	-12.14
	6405	91	SDM	MCS0	8.37	8.24	11.31	0.92	12.23	24.00	-11.77
	6445	99	SDM	MCS5	7.66	7.40	10.54	1.41	11.95	24.00	-12.05
	6485	107	SDM	MCS0	7.41	7.69	10.56	1.41	11.97	24.00	-12.03
	6525	115	SDM	MCS0	6.50	6.59	9.55	2.45	12.00	24.00	-12.00
	6565	123	SDM	MCS3	6.52	6.66	9.60	2.45	12.05	24.00	-11.95
	6725	155	SDM	MCS3	6.54	6.42	9.49	2.45	11.94	24.00	-12.06
	6845	179	SDM	MCS5	6.57	6.38	9.49	2.45	11.94	24.00	-12.06
	6885	187	SDM	MCS3	6.04	6.23	9.15	1.95	11.10	24.00	-12.90
	7005	211	SDM	MCS0	6.94	6.90	9.93	1.95	11.88	24.00	-12.12
	7085	227	SDM	MCS5	6.87	6.82	9.86	1.95	11.81	24.00	-12.19

Table 7-45. SDM Primary 40MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed				
	5985	7	SDM	MCS0	9.55	9.68	12.63	1.45	14.08	24.00	-9.92
	6145	39	SDM	MCS0	10.61	10.65	13.64	1.42	15.06	24.00	-8.94
	6385	87	SDM	MCS3	11.20	11.21	14.21	0.92	15.13	24.00	-8.87
	6465	103	SDM	MCS0	10.89	10.85	13.88	1.41	15.29	24.00	-8.71
	6545	119	SDM	MCS0	9.52	9.45	12.49	2.45	14.94	24.00	-9.06
	6705	151	SDM	MCS0	9.41	9.42	12.42	2.45	14.87	24.00	-9.13
	6865	183	SDM	MCS0	9.14	9.03	12.09	2.45	14.54	24.00	-9.46
	6945	199	SDM	MCS5	10.09	10.02	13.07	1.95	15.02	24.00	-8.98
	7025	215	SDM	MCS0	10.08	9.94	13.02	1.95	14.97	24.00	-9.03

Table 7-46. SDM Primary 80MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna 4a	Summed				
	6025	15	SDM	MCS3	12.38	12.40	15.40	1.45	16.85	24.00	-7.15
	6185	47	SDM	MCS3	13.18	13.05	16.13	1.42	17.55	24.00	-6.45
	6345	79	SDM	MCS0	14.09	14.10	17.10	0.92	18.02	24.00	-5.98
	6505	111	SDM	MCS5	12.31	12.25	15.29	1.41	16.70	24.00	-7.30
	6665	143	SDM	MCS5	12.22	12.16	15.20	2.45	17.65	24.00	-6.35
	6825	175	SDM	MCS5	11.69	11.76	14.74	2.45	17.19	24.00	-6.81
	6985	207	SDM	MCS0	12.87	12.81	15.85	1.95	17.80	24.00	-6.20

Table 7-47. SDM Primary 160MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 56 of 239	

7.3.9 CDD Diversity Conducted Output Power Measurements – SP

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed				
	5955	1	CDD	18Mbps	18.43	18.38	21.41	1.60	23.01	30.00	-6.99
	6175	45	CDD	18Mbps	18.47	18.20	21.35	1.00	22.35	30.00	-7.65
	6415	93	CDD	6Mbps	18.47	18.42	21.46	0.50	21.96	30.00	-8.04
	6435	97	CDD	6Mbps	17.29	17.19	20.25	1.10	21.35	30.00	-8.65
	6475	105	CDD	6Mbps	17.15	17.34	20.25	1.10	21.35	30.00	-8.65
	6515	113	CDD	6Mbps	17.16	17.21	20.20	1.10	21.30	30.00	-8.70
	6535	117	CDD	18Mbps	17.49	17.41	20.46	2.30	22.76	30.00	-7.24
	6695	149	CDD	6Mbps	17.40	17.17	20.30	2.30	22.60	30.00	-7.40
	6855	181	CDD	36Mbps	17.11	17.49	20.32	2.30	22.62	30.00	-7.38

Table 7-48. CDD Diversity 20MHz BW 802.11da (UNII) Maximum Conducted Output Power

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed				
	5955	1	CDD	MCS3	18.46	18.44	21.46	1.60	23.06	30.00	-6.94
	6175	45	CDD	MCS3	18.50	18.21	21.37	1.00	22.37	30.00	-7.63
	6415	93	CDD	MCS0	18.43	18.34	21.39	0.50	21.89	30.00	-8.11
	6435	97	CDD	MCS5	17.34	17.13	20.25	1.10	21.35	30.00	-8.65
	6475	105	CDD	MCS3	17.19	17.29	20.25	1.10	21.35	30.00	-8.65
	6515	113	CDD	MCS0	17.12	17.17	20.15	1.10	21.25	30.00	-8.75
	6535	117	CDD	MCS5	17.46	17.42	20.45	2.30	22.75	30.00	-7.25
	6695	149	CDD	MCS0	17.28	17.23	20.26	2.30	22.56	30.00	-7.44
	6855	181	CDD	MCS3	17.33	17.49	20.42	2.30	22.72	30.00	-7.28

Table 7-49. CDD Diversity 20MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed				
	5965	3	CDD	MCS0	18.45	18.34	21.41	1.60	23.01	30.00	-6.99
	6165	43	CDD	MCS5	18.34	18.43	21.40	1.00	22.40	30.00	-7.60
	6405	91	CDD	MCS5	18.25	18.43	21.35	0.50	21.85	30.00	-8.15
	6445	99	CDD	MCS5	17.43	17.25	20.35	1.10	21.45	30.00	-8.55
	6485	107	CDD	MCS5	17.41	17.34	20.38	1.10	21.48	30.00	-8.52
	6525	115	CDD	MCS0	17.39	17.48	20.44	2.30	22.74	30.00	-7.26
	6565	123	CDD	MCS0	17.36	17.41	20.39	2.30	22.69	30.00	-7.31
	6725	155	CDD	MCS0	17.31	17.41	20.37	2.30	22.67	30.00	-7.33
	6845	179	CDD	MCS0	17.34	17.19	20.27	2.30	22.57	30.00	-7.43

Table 7-50. CDD Diversity 40MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed				
	5985	7	CDD	MCS0	18.24	18.39	21.32	1.60	22.92	30.00	-7.08
	6145	39	CDD	MCS0	18.27	18.43	21.36	1.00	22.36	30.00	-7.64
	6385	87	CDD	MCS5	18.14	18.41	21.29	0.50	21.79	30.00	-8.21
	6465	103	CDD	MCS0	17.30	17.21	20.27	1.10	21.37	30.00	-8.63
	6545	119	CDD	MCS0	17.36	17.27	20.33	2.30	22.63	30.00	-7.37
	6705	151	CDD	MCS0	17.43	17.32	20.39	2.30	22.69	30.00	-7.31
	6785	167	CDD	MCS0	17.25	17.29	20.28	2.30	22.58	30.00	-7.42

Table 7-51. CDD Diversity 80MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed				
	6025	15	CDD	MCS5	18.32	18.41	21.38	1.60	22.98	30.00	-7.02
	6185	47	CDD	MCS5	18.44	18.49	21.47	1.00	22.47	30.00	-7.53
	6345	79	CDD	MCS3	18.44	18.26	21.36	0.50	21.86	30.00	-8.14
	6505	111	CDD	MCS3	17.47	17.46	20.47	1.10	21.57	30.00	-8.43
	6665	143	CDD	MCS0	17.43	17.37	20.41	2.30	22.71	30.00	-7.29

Table 7-52. CDD Diversity 160MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		Page 57 of 239

7.3.10 CDD/SDM Diversity Conducted Output Power Measurements – LPI

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed				
	5955	1	CDD	18Mbps	0.60	0.69	3.65	1.60	5.25	24.00	-18.75
	6175	45	CDD	36Mbps	1.49	1.52	4.51	1.00	5.51	24.00	-18.49
	6415	93	CDD	18Mbps	2.00	2.29	5.16	0.50	5.66	24.00	-18.34
	6435	97	CDD	6Mbps	1.59	1.57	4.59	1.10	5.69	24.00	-18.31
	6475	105	CDD	36Mbps	1.52	1.17	4.36	1.10	5.46	24.00	-18.54
	6515	113	CDD	6Mbps	1.67	1.62	4.66	1.10	5.76	24.00	-18.24
	6535	117	CDD	36Mbps	0.35	0.48	3.43	2.30	5.73	24.00	-18.27
	6695	149	CDD	6Mbps	0.44	0.60	3.53	2.30	5.83	24.00	-18.17
	6875	185	CDD	36Mbps	0.20	0.19	3.21	2.30	5.51	24.00	-18.49
	6895	189	CDD	36Mbps	1.01	0.25	3.66	-0.30	3.36	24.00	-20.64
	6995	209	CDD	18Mbps	0.95	0.97	3.97	-0.30	3.67	24.00	-20.33
	7115	233	CDD	36Mbps	0.38	-0.32	3.06	-0.30	2.76	24.00	-21.24

Table 7-53. CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed				
	5955	1	SDM	MCS5	3.49	3.68	6.60	0.32	6.92	24.00	-17.08
	6175	45	SDM	MCS5	4.54	4.67	7.62	0.90	8.52	24.00	-15.48
	6415	93	SDM	MCS0	5.12	5.23	8.19	0.12	8.31	24.00	-15.69
	6435	97	SDM	MCS0	4.45	4.81	7.64	0.54	8.18	24.00	-15.82
	6475	105	SDM	MCS3	4.68	4.60	7.65	0.54	8.19	24.00	-15.81
	6515	113	SDM	MCS0	4.76	4.61	7.70	0.54	8.24	24.00	-15.76
	6535	117	SDM	MCS0	3.49	3.33	6.42	1.83	8.25	24.00	-15.75
	6695	149	SDM	MCS0	3.38	3.45	6.42	1.83	8.25	24.00	-15.75
	6875	185	SDM	MCS5	3.44	3.46	6.46	1.83	8.29	24.00	-15.71
	6895	189	SDM	MCS3	3.90	4.11	7.02	-0.40	6.62	24.00	-17.38
	6995	209	SDM	MCS3	3.89	4.14	7.03	-0.40	6.63	24.00	-17.37
	7115	233	SDM	MCS3	3.33	3.32	6.33	-0.40	5.93	24.00	-18.07

Table 7-54. SDM Diversity 20MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed				
	5965	3	SDM	MCS0	6.67	6.82	9.75	0.32	10.07	24.00	-13.93
	6165	43	SDM	MCS0	7.50	7.41	10.47	0.90	11.37	24.00	-12.63
	6405	91	SDM	MCS0	8.24	8.30	11.28	0.12	11.40	24.00	-12.60
	6445	99	SDM	MCS5	7.40	7.66	10.54	0.54	11.08	24.00	-12.92
	6485	107	SDM	MCS0	7.69	7.62	10.66	0.54	11.20	24.00	-12.80
	6525	115	SDM	MCS5	6.57	6.53	9.56	1.83	11.39	24.00	-12.61
	6565	123	SDM	MCS3	6.66	6.63	9.66	1.83	11.49	24.00	-12.51
	6725	155	SDM	MCS0	6.47	6.43	9.46	1.83	11.29	24.00	-12.71
	6845	179	SDM	MCS5	6.38	6.48	9.44	1.83	11.27	24.00	-12.73
	6885	187	SDM	MCS3	6.23	5.96	9.11	-0.40	8.71	24.00	-15.29
	7005	211	SDM	MCS0	6.90	7.02	9.97	-0.40	9.57	24.00	-14.43
	7085	227	SDM	MCS0	6.84	7.13	10.00	-0.40	9.60	24.00	-14.40

Table 7-55. SDM Diversity 40MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed				
	5985	7	SDM	MCS0	9.68	9.67	12.68	0.32	13.00	24.00	-11.00
	6145	39	SDM	MCS5	10.49	10.60	13.56	0.90	14.46	24.00	-9.54
	6385	87	SDM	MCS0	11.23	11.27	14.26	0.12	14.38	24.00	-9.62
	6465	103	SDM	MCS0	10.85	10.85	13.86	0.54	14.40	24.00	-9.60
	6545	119	SDM	MCS3	9.44	9.59	12.52	1.83	14.35	24.00	-9.65
	6705	151	SDM	MCS0	9.42	9.48	12.46	1.83	14.29	24.00	-9.71
	6865	183	SDM	MCS0	9.03	9.18	12.12	1.83	13.95	24.00	-10.05
	6945	199	SDM	MCS5	10.02	10.03	13.03	-0.40	12.63	24.00	-11.37
	7025	215	SDM	MCS5	9.90	9.88	12.90	-0.40	12.50	24.00	-11.50

Table 7-56. SDM Diversity 80MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Data Rate	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna 4a	Antenna 2a	Summed				
	6025	15	SDM	MCS5	12.22	12.44	15.34	0.32	15.66	24.00	-8.34
	6185	47	SDM	MCS0	13.13	13.22	16.19	0.90	17.09	24.00	-6.91
	6345	79	SDM	MCS3	14.01	14.15	17.09	0.12	17.21	24.00	-6.79
	6505	111	SDM	MCS5	12.25	12.34	15.30	0.54	15.84	24.00	-8.16
	6665	143	SDM	MCS3	12.34	12.29	15.32	1.83	17.15	24.00	-6.85
	6825	175	SDM	MCS0	11.64	11.87	14.76	1.83	16.59	24.00	-7.41
	6985	207	SDM	MCS5	12.75	12.87	15.82	-0.40	15.42	24.00	-8.58

Table 7-57. SDM Diversity 160MHz BW 802.11be(SU) (UNII) Maximum Conducted Output Power

Note:

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 58 of 239

Per ANSI C63.10-2020 and KDB 662911 v02r01 Section E)1), the conducted powers at Antenna WF5B and Antenna 4a were first measured separately during CDD/SDM transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2020 Subclause 14.6.3, the correlated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = G_{ANT} + \text{Array Gain dBi}$$

Per ANSI C63.10-2020 Subclause 14.6.3, the uncorrelated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = 10 \log [(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

Sample SDM Calculation:

At 5955MHz in 802.11be (20MHz BW) mode, the average conducted output power was measured to be 3.62 dBm for Antenna WF5B and 3.49 dBm for Antenna 4a.

$$\text{Antenna WF5B} + \text{Antenna 4a} = \text{SDM}$$

$$(3.62\text{dBm} + 3.49 \text{ dBm}) = (2.301\text{mW} + 2.233\text{mW}) = 4.534 \text{ mW} = 6.56 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5955MHz in 802.11be (20MHz BW), SDM mode, the average SDM conducted power was calculated to be 6.56 dBm with directional gain of 1.45 dBi.

$$\text{e.i.r.p. (dBm)} = \text{Conducted Power (dBm)} + \text{Ant gain (dBi)}$$

$$6.56 \text{ dBm} + 1.45 \text{ dBi} = 8.01 \text{ dBm}$$

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 59 of 239

V 11.0 5/2025

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7.4 Maximum Power Spectral Density

§15.407(a)(7)(8), RSS-248 [4.5.3], [4.5.5]

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

In the 5.925 – 7.125GHz band, the maximum permissible power spectral density must not exceed -1dBm e.i.r.p. in any 1-megahertz band for Low Power Indoor operating modes.

In the 5.925 – 6.425GHz, 6.425 – 6.525GHz & 6.525 – 6.875GHz bands, the maximum permissible power spectral density must not exceed 17dBm e.i.r.p. in any 1-megahertz band for Standard Power operating modes.

Test Procedure Used

ANSI C63.10-2020 – Section 12.4.2.2

KDB 789033 D02 v02r01 – Section F

ANSI C63.10-2020 – Section 14.5.2.2 Measure-and-Sum Technique

KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Set span to encompass the entire 99% OBW of the signal
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points $\geq 2 \times (\text{span/RBW})$
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-3. Test Instrument & Measurement Setup

Test Notes

1. All data rates and channels were investigated, and tabular data has been reported. Only the worst-case plot was reported.
2. The duty cycle correction factor (DCCF) has been applied as an amplitude offset in the spectrum analyzer to ensure the required correction is accurately reflected in the measured Power Spectral Density (PSD). The offset value is indicated on each PSD plot.

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 60 of 239

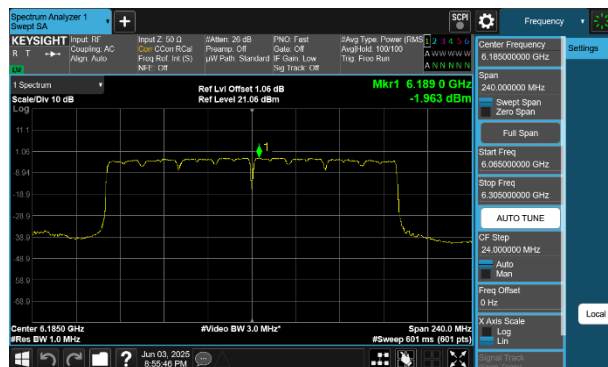
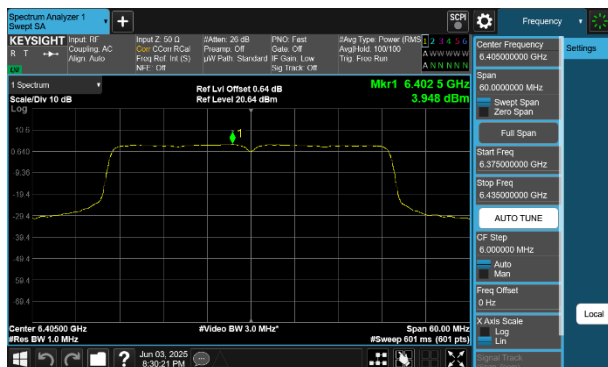
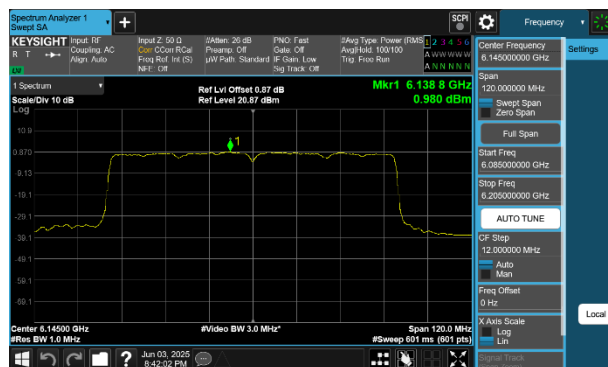
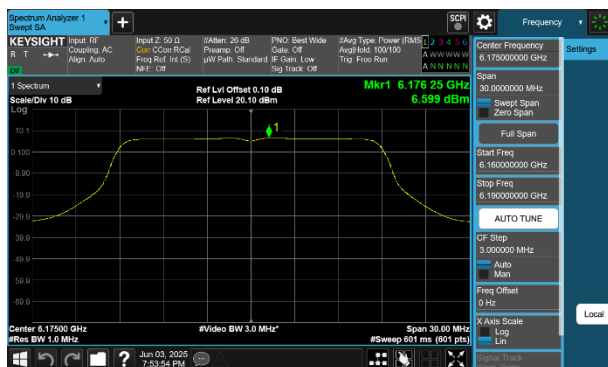
V 11.0 5/2025

7.4.1 Antenna WF5B Power Spectral Density Measurements – SP

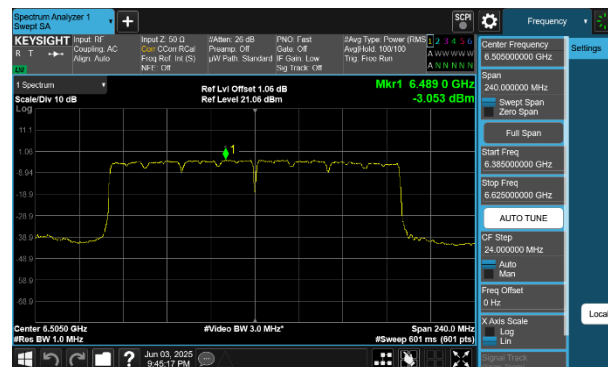
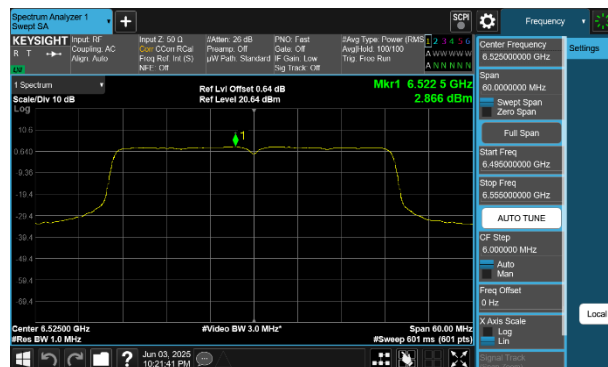
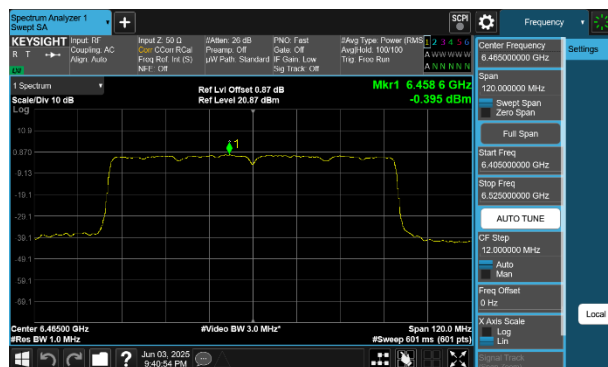
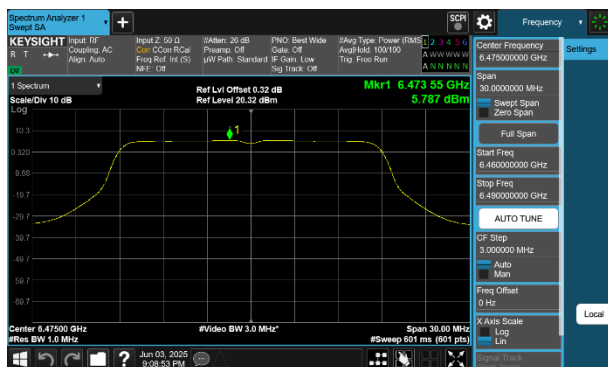
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	6Mbps	6.92	1.30	8.22	17	-8.78
	6175	45	a	6Mbps	6.60	1.80	8.40	17	-8.60
	6415	93	a	6Mbps	6.78	1.30	8.08	17	-8.92
	5955	1	be (20MHz)	MCS5	6.62	1.30	7.92	17	-9.08
	6175	45	be (20MHz)	MCS5	6.34	1.80	8.14	17	-8.86
	6415	93	be (20MHz)	MCS5	6.46	1.30	7.76	17	-9.24
	5965	3	be (40MHz)	MCS5	3.68	1.30	4.98	17	-12.02
	6165	43	be (40MHz)	MCS5	3.38	1.80	5.18	17	-11.82
	6405	91	be (40MHz)	MCS5	3.95	1.30	5.25	17	-11.75
	5985	7	be (80MHz)	MCS5	1.05	1.30	2.35	17	-14.65
	6145	39	be (80MHz)	MCS5	0.98	1.80	2.78	17	-14.22
	6385	87	be (80MHz)	MCS3	1.04	1.30	2.34	17	-14.66
Band 6	6025	15	be (160MHz)	MCS5	-2.08	1.30	-0.78	17	-17.78
	6185	47	be (160MHz)	MCS5	-1.96	1.80	-0.16	17	-17.16
	6345	79	be (160MHz)	MCS3	-1.87	1.30	-0.57	17	-17.57
	6435	97	a	36Mbps	5.71	1.70	7.41	17	-9.59
	6475	105	a	36Mbps	5.79	1.70	7.49	17	-9.51
	6515	113	a	36Mbps	5.64	1.70	7.34	17	-9.66
	6435	97	be (20MHz)	MCS5	5.54	1.70	7.24	17	-9.76
	6475	105	be (20MHz)	MCS5	5.62	1.70	7.32	17	-9.68
	6515	113	be (20MHz)	MCS5	5.47	1.70	7.17	17	-9.83
	6445	99	be (40MHz)	MCS5	2.55	1.70	4.25	17	-12.75
	6485	107	be (40MHz)	MCS5	2.53	1.70	4.23	17	-12.77
	6525	115	be (40MHz)	MCS5	2.87	1.70	4.57	17	-12.43
Band 7	6465	103	be (80MHz)	MCS5	-0.40	1.70	1.31	17	-15.70
	6505	111	be (160MHz)	MCS5	-3.05	1.70	-1.35	17	-18.35
	6535	117	a	36Mbps	5.50	2.60	8.10	17	-8.90
	6695	149	a	36Mbps	5.54	2.60	8.14	17	-8.86
	6855	181	a	6Mbps	5.83	2.60	8.43	17	-8.57
	6535	117	be (20MHz)	MCS0	5.40	2.60	8.00	17	-9.00
	6695	149	be (20MHz)	MCS0	5.41	2.60	8.01	17	-8.99
	6855	181	be (20MHz)	MCS5	5.70	2.60	8.30	17	-8.70
	6725	155	be (40MHz)	MCS5	2.81	2.60	5.41	17	-11.59
	6845	179	be (40MHz)	MCS5	2.76	2.60	5.36	17	-11.64
	6545	119	be (80MHz)	MCS5	-0.18	2.60	2.42	17	-14.58
	6705	151	be (80MHz)	MCS5	0.19	2.60	2.79	17	-14.21
	6785	167	be (80MHz)	MCS5	-0.19	2.60	2.41	17	-14.59
	6665	143	be (160MHz)	MCS3	-2.73	2.60	-0.13	17	-17.13

Table 7-58. Power Spectral Density Measurements Antenna WF5B

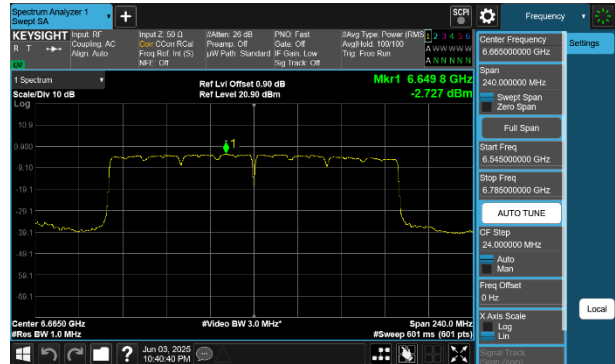
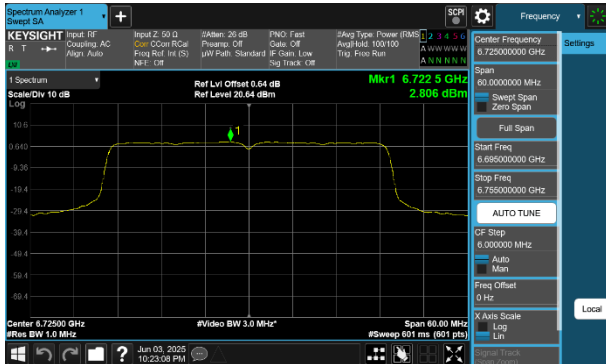
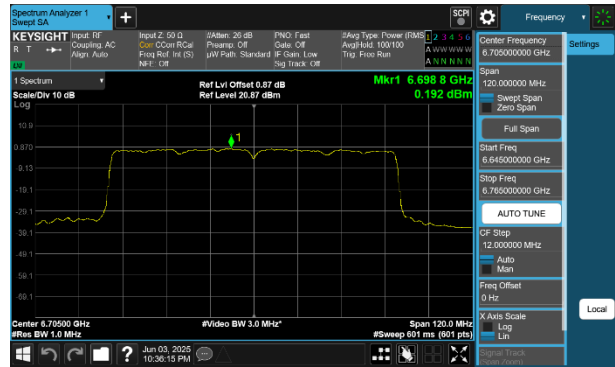
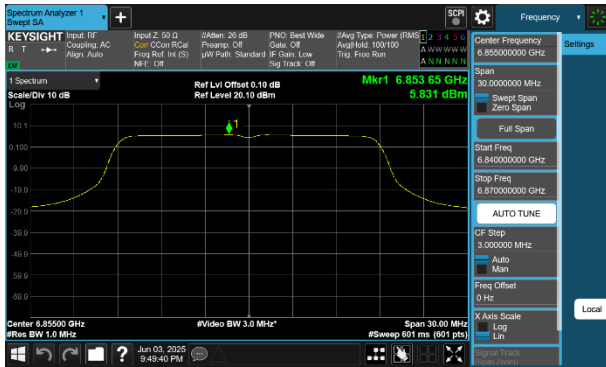
FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 61 of 239



FCC ID: BCGA3358 IC: 579C-A3358	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 62 of 239



FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		Page 63 of 239



FCC ID: BCGA3358 IC: 579C-A3358	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 64 of 239

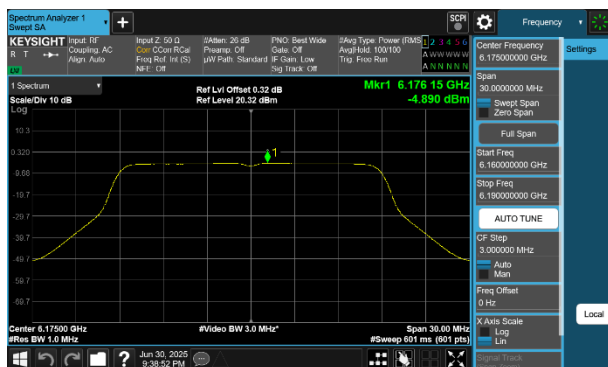
7.4.2 Antenna WF5B Power Spectral Density Measurements – LPI

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	36Mbps	-5.06	1.30	-3.76	-1	-2.76
	6175	45	a	36Mbps	-4.89	1.80	-3.09	-1	-2.09
	6415	93	a	36Mbps	-4.80	1.30	-3.50	-1	-2.50
	5955	1	be (20MHz)	MCS5	-5.21	1.30	-3.91	-1	-2.91
	6175	45	be (20MHz)	MCS5	-5.64	1.80	-3.84	-1	-2.84
	6415	93	be (20MHz)	MCS3	-4.83	1.30	-3.53	-1	-2.53
	5965	3	be (40MHz)	MCS5	-4.75	1.30	-3.45	-1	-2.45
	6165	43	be (40MHz)	MCS5	-5.74	1.80	-3.94	-1	-2.94
	6405	91	be (40MHz)	MCS5	-3.35	1.30	-2.05	-1	-1.05
	5985	7	be (80MHz)	MCS0	-5.25	1.30	-3.95	-1	-2.95
	6145	39	be (80MHz)	MCS3	-4.42	1.80	-2.62	-1	-1.62
	6385	87	be (80MHz)	MCS0	-3.69	1.30	-2.39	-1	-1.39
	6025	15	be (160MHz)	MCS5	-3.60	1.30	-2.30	-1	-1.30
	6185	47	be (160MHz)	MCS5	-3.70	1.80	-1.90	-1	-0.90
Band 6	6345	79	be (160MHz)	MCS5	-4.17	1.30	-2.87	-1	-1.87
	6435	97	a	36Mbps	-5.05	1.70	-3.35	-1	-2.35
	6475	105	a	18Mbps	-5.24	1.70	-3.54	-1	-2.54
	6515	113	a	36Mbps	-5.48	1.70	-3.78	-1	-2.78
	6435	97	be (20MHz)	MCS0	-7.48	1.70	-5.78	-1	-4.78
	6475	105	be (20MHz)	MCS3	-7.59	1.70	-5.89	-1	-4.89
	6515	113	be (20MHz)	MCS5	-7.70	1.70	-6.00	-1	-5.00
	6445	99	be (40MHz)	MCS5	-3.85	1.70	-2.15	-1	-1.15
	6485	107	be (40MHz)	MCS5	-3.87	1.70	-2.17	-1	-1.17
	6525	115	be (40MHz)	MCS3	-6.08	1.70	-4.38	-1	-3.38
	6465	103	be (80MHz)	MCS5	-3.82	1.70	-2.12	-1	-1.12
	6505	111	be (160MHz)	MCS5	-4.16	1.70	-2.46	-1	-1.46
	6535	117	a	18Mbps	-5.82	2.60	-3.22	-1	-2.22
	6695	149	a	18Mbps	-5.48	2.60	-2.88	-1	-1.88
Band 7	6875	185	a	6Mbps	-5.72	2.60	-3.12	-1	-2.12
	6535	117	be (20MHz)	MCS5	-5.78	2.60	-3.18	-1	-2.18
	6695	149	be (20MHz)	MCS5	-5.74	2.60	-3.14	-1	-2.14
	6875	185	be (20MHz)	MCS3	-5.84	2.60	-3.24	-1	-2.24
	6725	155	be (40MHz)	MCS3	-5.67	2.60	-3.07	-1	-2.07
	6845	179	be (40MHz)	MCS0	-5.64	2.60	-3.04	-1	-2.04
	6545	119	be (80MHz)	MCS0	-5.72	2.60	-3.12	-1	-2.12
	6705	151	be (80MHz)	MCS5	-5.32	2.60	-2.72	-1	-1.72
	6865	183	be (80MHz)	MCS0	-5.51	2.60	-2.91	-1	-1.91
	6665	143	be (160MHz)	MCS5	-4.22	2.60	-1.62	-1	-0.62
	6825	175	be (160MHz)	MCS0	-5.99	2.60	-3.39	-1	-2.39
	6895	189	a	36Mbps	-6.75	3.50	-3.25	-1	-2.25
	6995	209	a	36Mbps	-6.08	3.50	-2.58	-1	-1.58
	7115	233	a	36Mbps	-6.97	3.50	-3.47	-1	-2.47
Band 8	6895	189	be (20MHz)	MCS5	-6.35	3.50	-2.85	-1	-1.85
	6995	209	be (20MHz)	MCS5	-5.75	3.50	-2.25	-1	-1.25
	7115	233	be (20MHz)	MCS5	-6.70	3.50	-3.20	-1	-2.20
	6885	187	be (40MHz)	MCS3	-6.20	3.50	-2.70	-1	-1.70
	7005	211	be (40MHz)	MCS3	-6.31	3.50	-2.81	-1	-1.81
	7085	227	be (40MHz)	MCS5	-6.99	3.50	-3.49	-1	-2.49
	6945	199	be (80MHz)	MCS0	-6.55	3.50	-3.05	-1	-2.05
	7025	215	be (80MHz)	MCS5	-5.86	3.50	-2.36	-1	-1.36
	6985	207	be (160MHz)	MCS0	-5.54	3.50	-2.04	-1	-1.04

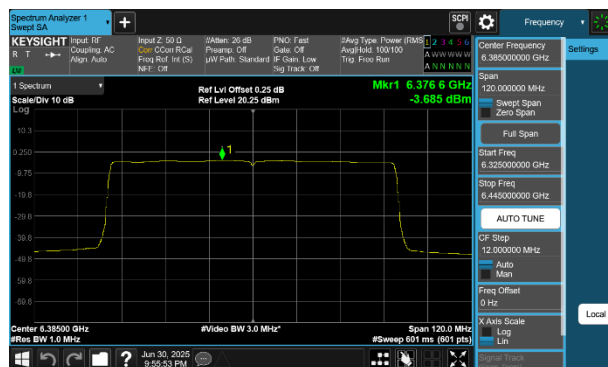
Table 7-59. Power Spectral Density Measurements Antenna WF5B

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 65 of 239

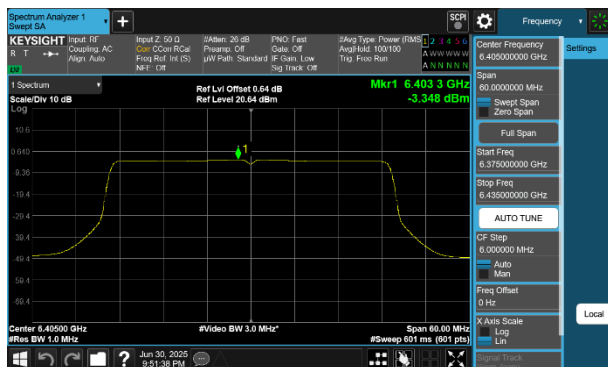
V 11.0 5/2025



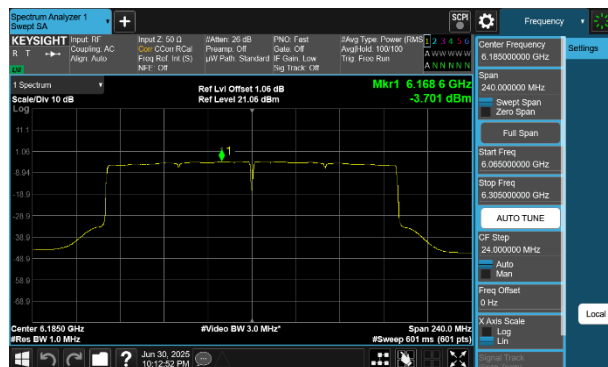
Plot 7-97 PSD Antenna WF5B (20MHz BW 802.11a - Ch.45)



Plot 7-99 PSD Antenna WF5B (80MHz BW 802.11be(SU) - Ch.87)

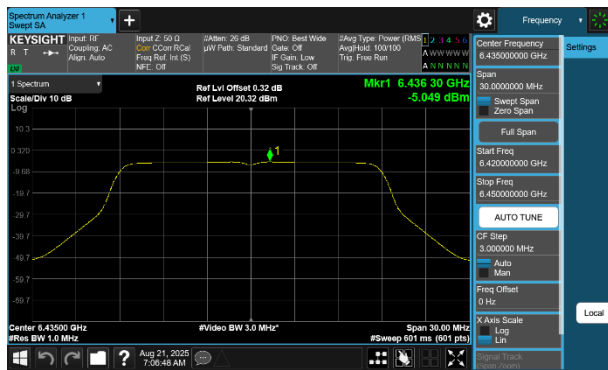


Plot 7-98 PSD Antenna WF5B (40MHz BW 802.11be(SU) - Ch.91)

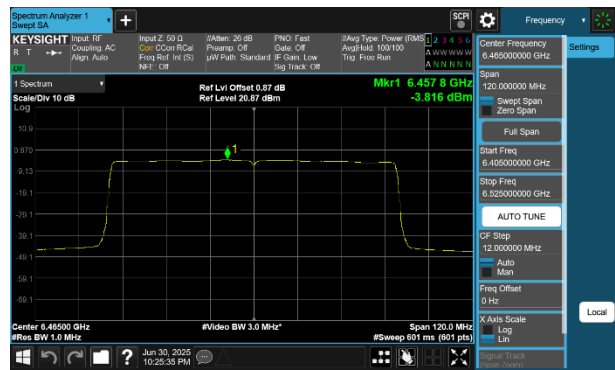


Plot 7-100 PSD Antenna WF5B (160MHz BW 802.11be(SU) - Ch.47)

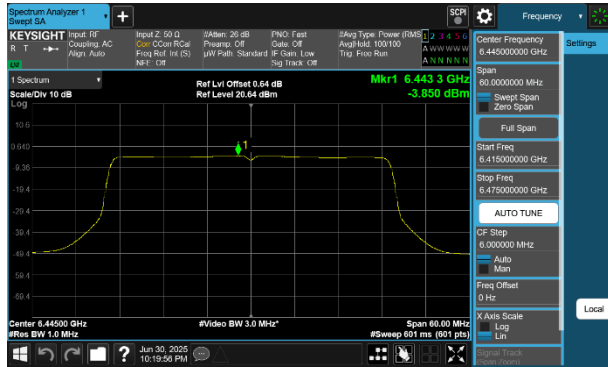
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		Page 66 of 239



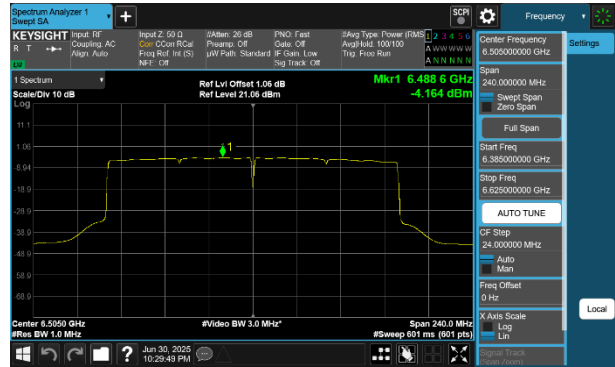
Plot 7-101 PSD Antenna WF5B (20MHz BW 802.11a - Ch.97)



Plot 7-103 PSD Antenna WF5B (80MHz BW 802.11be(SU) - Ch.103)

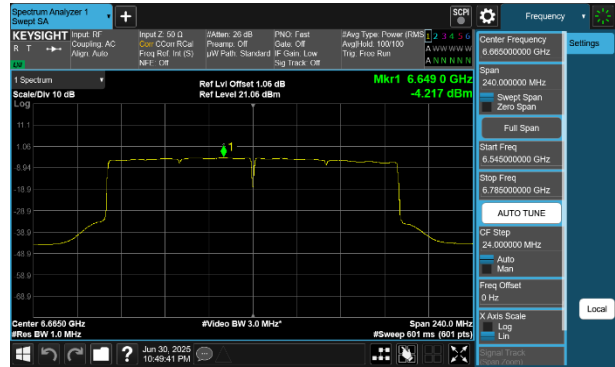
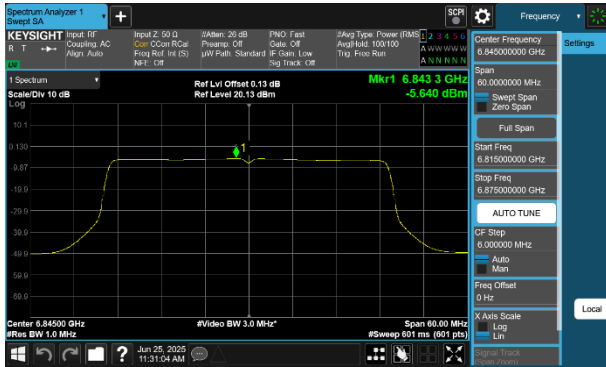
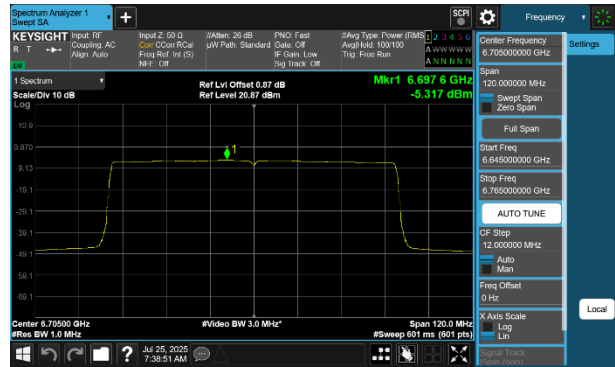
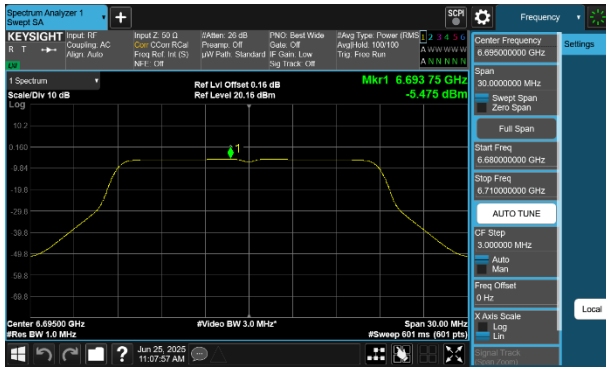


Plot 7-102 PSD Antenna WF5B (40MHz BW 802.11be(SU) - Ch.99)

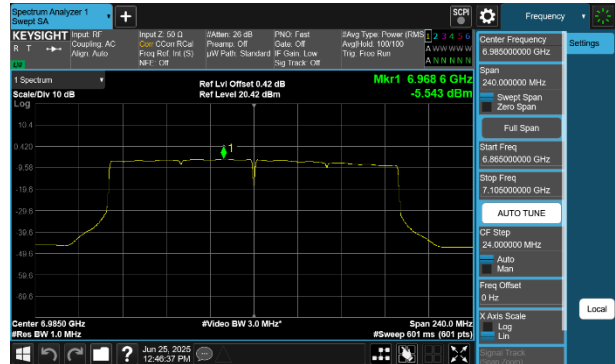
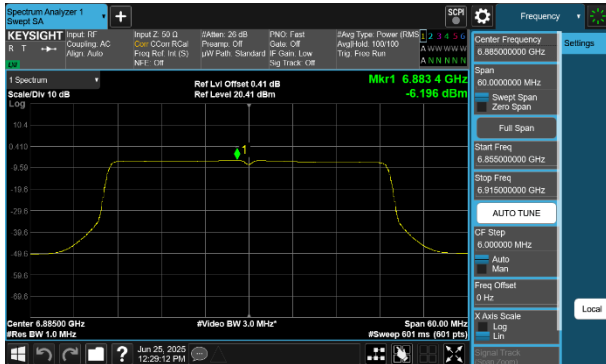
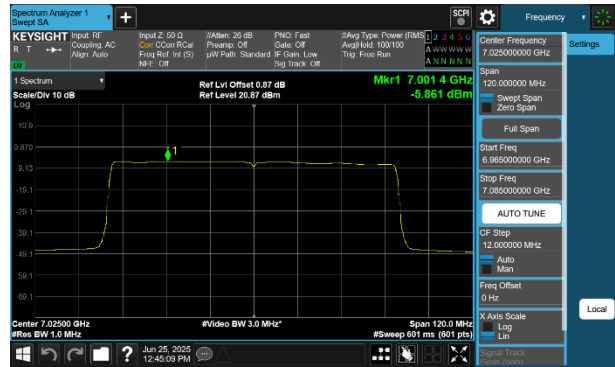
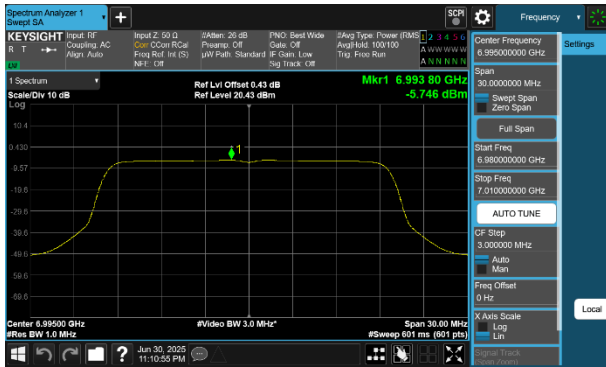


Plot 7-104 PSD Antenna WF5B (160MHz BW 802.11be(SU) - Ch.111)

FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 67 of 239	



FCC ID: BCGA3358 IC: 579C-A3358	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 68 of 239



FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG			Page 69 of 239
Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		

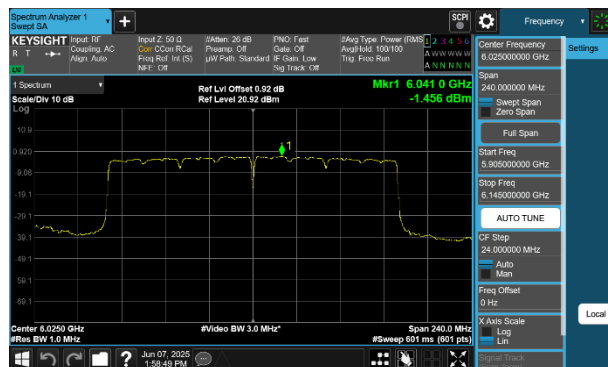
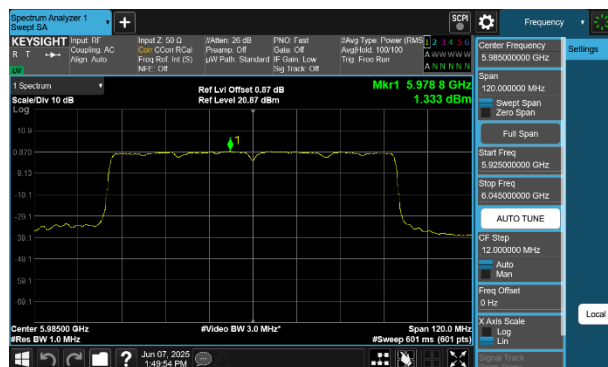
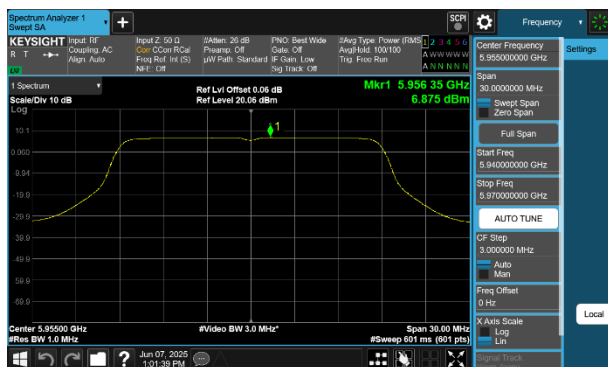
7.4.3 Antenna 4a Power Spectral Density Measurements – SP

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	6Mbps	6.88	1.60	8.48	17	-8.53
	6175	45	a	6Mbps	7.06	1.00	8.06	17	-8.94
	6415	93	a	6Mbps	6.48	0.50	6.98	17	-10.02
	5955	1	be (20MHz)	MCS0	6.65	1.60	8.25	17	-8.75
	6175	45	be (20MHz)	MCS0	6.81	1.00	7.81	17	-9.19
	6415	93	be (20MHz)	MCS5	6.36	0.50	6.86	17	-10.14
	5965	3	be (40MHz)	MCS5	3.96	1.60	5.56	17	-11.44
	6165	43	be (40MHz)	MCS5	3.71	1.00	4.71	17	-12.29
	6405	91	be (40MHz)	MCS5	3.85	0.50	4.35	17	-12.65
	5985	7	be (80MHz)	MCS5	1.33	1.60	2.93	17	-14.07
	6145	39	be (80MHz)	MCS5	1.52	1.00	2.52	17	-14.48
	6385	87	be (80MHz)	MCS5	0.91	0.50	1.41	17	-15.59
	6025	15	be (160MHz)	MCS3	-1.46	1.60	0.14	17	-16.86
	6185	47	be (160MHz)	MCS0	-1.41	1.00	-0.41	17	-17.41
Band 6	6345	79	be (160MHz)	MCS3	-1.47	0.50	-0.97	17	-17.97
	6435	97	a	6Mbps	6.31	1.10	7.41	17	-9.59
	6475	105	a	36Mbps	6.15	1.10	7.25	17	-9.75
	6515	113	a	36Mbps	6.19	1.10	7.29	17	-9.72
	6435	97	be (20MHz)	MCS0	6.03	1.10	7.13	17	-9.87
	6475	105	be (20MHz)	MCS5	5.96	1.10	7.06	17	-9.95
	6515	113	be (20MHz)	MCS5	5.98	1.10	7.08	17	-9.92
	6445	99	be (40MHz)	MCS5	3.10	1.10	4.20	17	-12.80
	6485	107	be (40MHz)	MCS5	2.94	1.10	4.04	17	-12.97
	6525	115	be (40MHz)	MCS0	2.95	1.10	4.05	17	-12.95
	6465	103	be (80MHz)	MCS5	0.58	1.10	1.68	17	-15.32
	6505	111	be (160MHz)	MCS3	-2.09	1.10	-0.99	17	-17.99
Band 7	6535	117	a	6Mbps	5.95	2.30	8.25	17	-8.75
	6695	149	a	6Mbps	6.47	2.30	8.77	17	-8.23
	6855	181	a	6Mbps	6.33	2.30	8.63	17	-8.37
	6535	117	be (20MHz)	MCS3	5.77	2.30	8.07	17	-8.93
	6695	149	be (20MHz)	MCS0	6.22	2.30	8.52	17	-8.48
	6855	181	be (20MHz)	MCS0	6.09	2.30	8.39	17	-8.61
	6725	155	be (40MHz)	MCS5	3.49	2.30	5.79	17	-11.21
	6845	179	be (40MHz)	MCS5	3.37	2.30	5.67	17	-11.34
	6545	119	be (80MHz)	MCS5	0.80	2.30	3.10	17	-13.90
	6705	151	be (80MHz)	MCS5	1.01	2.30	3.31	17	-13.70
	6785	167	be (80MHz)	MCS5	0.93	2.30	3.23	17	-13.77
	6665	143	be (160MHz)	MCS3	-1.73	2.30	0.58	17	-16.43

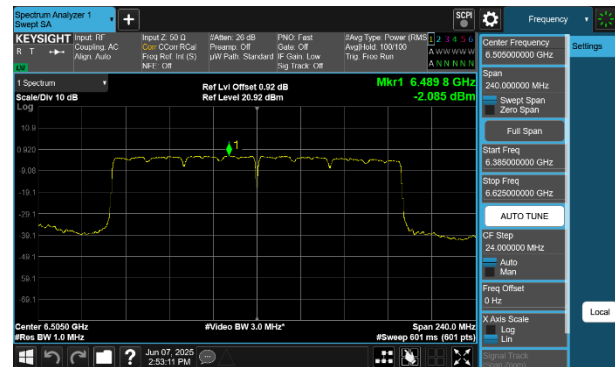
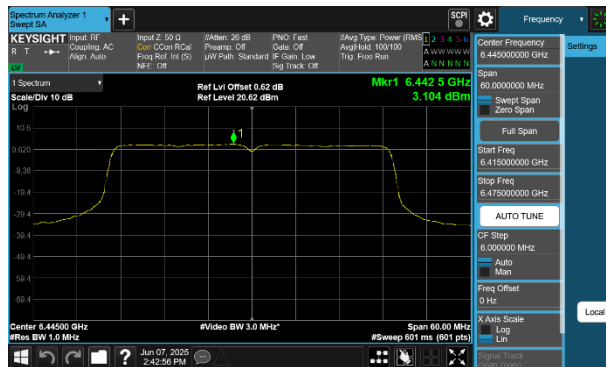
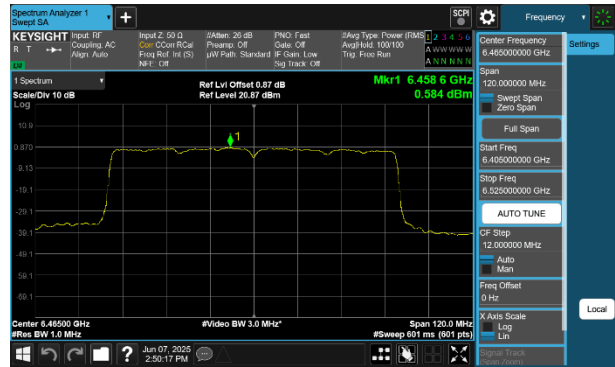
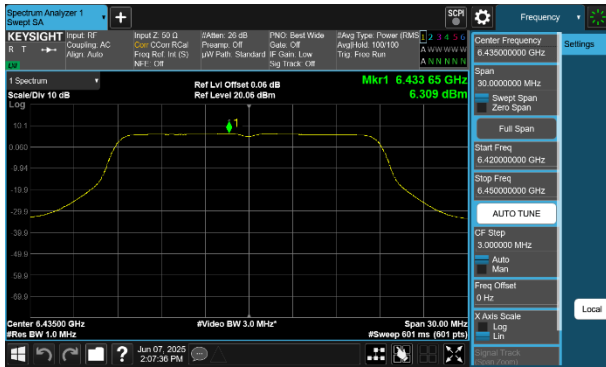
Table 7-60. Power Spectral Density Measurements Antenna 4a

FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 70 of 239

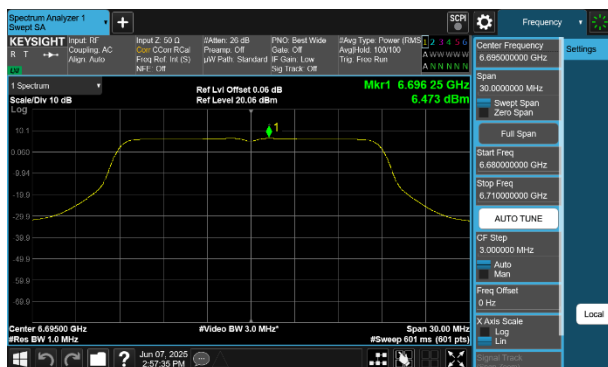
V 11.0 5/2025



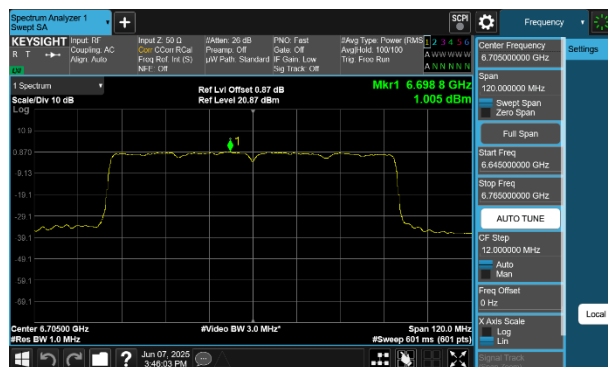
FCC ID: BCGA3358 IC: 579C-A3358	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 71 of 239



FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		Page 72 of 239



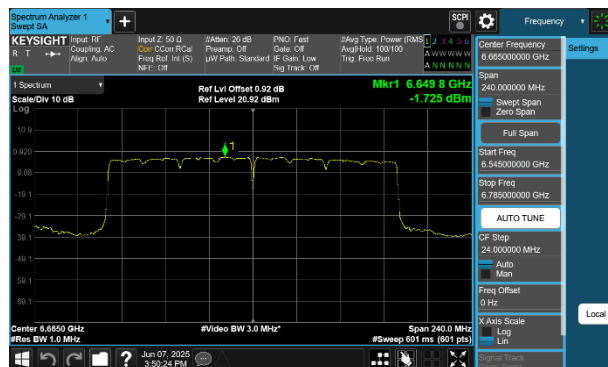
Plot 7-121 PSD Antenna 4a (20MHz BW 802.11a - Ch.149)



Plot 7-123 PSD Antenna 4a (80MHz BW 802.11be(SU) - Ch.151)



Plot 7-122 PSD Antenna 4a (40MHz BW 802.11be(SU) - Ch.155)



Plot 7-124 PSD Antenna 4a (160MHz BW 802.11be(SU) - Ch.143)

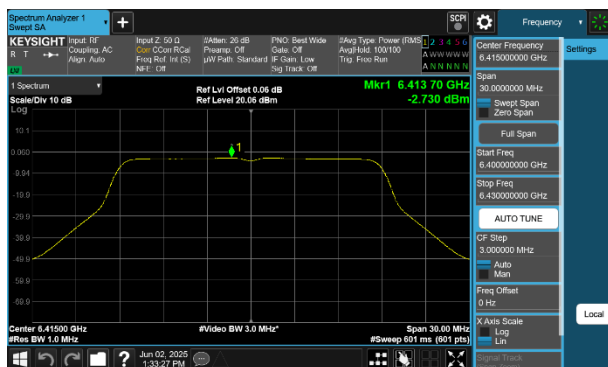
FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 73 of 239	

7.4.4 Antenna 4a Power Spectral Density Measurements – LPI

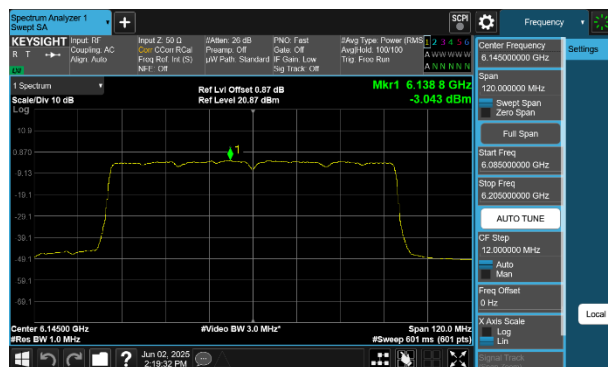
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	36Mbps	-6.72	1.60	-5.12	-1	-4.12
	6175	45	a	36Mbps	-3.79	1.00	-2.79	-1	-1.79
	6415	93	a	6Mbps	-2.73	0.50	-2.23	-1	-1.23
	5955	1	be (20MHz)	MCS5	-6.92	1.60	-5.32	-1	-4.32
	6175	45	be (20MHz)	MCS5	-3.77	1.00	-2.77	-1	-1.77
	6415	93	be (20MHz)	MCS5	-2.98	0.50	-2.48	-1	-1.48
	5965	3	be (40MHz)	MCS5	-6.62	1.60	-5.02	-1	-4.02
	6165	43	be (40MHz)	MCS5	-4.12	1.00	-3.12	-1	-2.12
	6405	91	be (40MHz)	MCS0	-3.87	0.50	-3.37	-1	-2.37
	5985	7	be (80MHz)	MCS5	-4.60	1.60	-3.00	-1	-2.00
	6145	39	be (80MHz)	MCS5	-3.04	1.00	-2.04	-1	-1.04
	6385	87	be (80MHz)	MCS5	-2.57	0.50	-2.07	-1	-1.07
	6025	15	be (160MHz)	MCS0	-4.55	1.60	-2.95	-1	-1.95
	6185	47	be (160MHz)	MCS5	-3.30	1.00	-2.30	-1	-1.30
Band 6	6345	79	be (160MHz)	MCS3	-2.80	0.50	-2.30	-1	-1.30
	6435	97	a	18Mbps	-4.43	1.10	-3.33	-1	-2.33
	6475	105	a	18Mbps	-4.74	1.10	-3.64	-1	-2.64
	6515	113	a	18Mbps	-4.79	1.10	-3.69	-1	-2.69
	6435	97	be (20MHz)	MCS3	-4.90	1.10	-3.80	-1	-2.80
	6475	105	be (20MHz)	MCS3	-5.15	1.10	-4.05	-1	-3.05
	6515	113	be (20MHz)	MCS3	-5.21	1.10	-4.11	-1	-3.11
	6445	99	be (40MHz)	MCS0	-4.93	1.10	-3.83	-1	-2.83
	6485	107	be (40MHz)	MCS0	-5.08	1.10	-3.98	-1	-2.98
	6525	115	be (40MHz)	MCS5	-6.17	1.10	-5.07	-1	-4.07
	6465	103	be (80MHz)	MCS5	-4.30	1.10	-3.20	-1	-2.20
	6505	111	be (160MHz)	MCS3	-4.72	1.10	-3.62	-1	-2.62
	6535	117	a	18Mbps	-5.12	2.30	-2.82	-1	-1.82
	6695	149	a	36Mbps	-5.06	2.30	-2.76	-1	-1.76
Band 7	6875	185	a	36Mbps	-5.61	2.30	-3.31	-1	-2.31
	6535	117	be (20MHz)	MCS5	-6.60	2.30	-4.30	-1	-3.30
	6695	149	be (20MHz)	MCS5	-5.89	2.30	-3.59	-1	-2.59
	6875	185	be (20MHz)	MCS0	-4.70	2.30	-2.40	-1	-1.40
	6725	155	be (40MHz)	MCS5	-5.09	2.30	-2.79	-1	-1.79
	6845	179	be (40MHz)	MCS5	-5.02	2.30	-2.72	-1	-1.72
	6545	119	be (80MHz)	MCS5	-4.44	2.30	-2.14	-1	-1.14
	6705	151	be (80MHz)	MCS5	-5.65	2.30	-3.35	-1	-2.35
	6865	183	be (80MHz)	MCS5	-5.63	2.30	-3.33	-1	-2.33
	6665	143	be (160MHz)	MCS5	-4.43	2.30	-2.13	-1	-1.13
	6825	175	be (160MHz)	MCS5	-4.41	2.30	-2.11	-1	-1.11
	6895	189	a	18Mbps	-4.21	-0.50	-4.71	-1	-3.71
	6995	209	a	18Mbps	-4.39	-0.50	-4.89	-1	-3.89
	7115	233	a	36Mbps	-3.89	-0.50	-4.39	-1	-3.39
Band 8	6895	189	be (20MHz)	MCS5	-2.97	-0.50	-3.47	-1	-2.47
	6995	209	be (20MHz)	MCS5	-3.12	-0.50	-3.62	-1	-2.62
	7115	233	be (20MHz)	MCS5	-3.88	-0.50	-4.38	-1	-3.38
	6885	187	be (40MHz)	MCS5	-5.35	-0.50	-5.85	-1	-4.85
	7005	211	be (40MHz)	MCS0	-4.77	-0.50	-5.27	-1	-4.27
	7085	227	be (40MHz)	MCS3	-2.81	-0.50	-3.31	-1	-2.31
	6945	199	be (80MHz)	MCS5	-3.88	-0.50	-4.38	-1	-3.38
	7025	215	be (80MHz)	MCS5	-2.24	-0.50	-2.74	-1	-1.74
	6985	207	be (160MHz)	MCS0	-3.89	-0.50	-4.39	-1	-3.39

Table 7-61. Power Spectral Density Measurements Antenna 4a

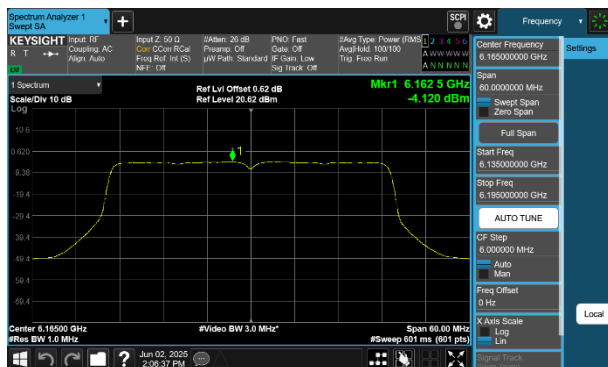
FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 74 of 239



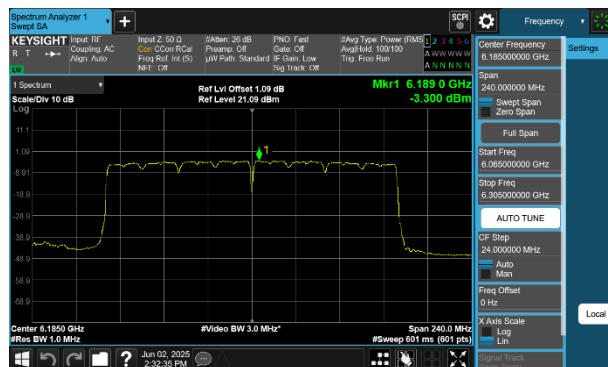
Plot 7-125 PSD Antenna 4a (20MHz BW 802.11a - Ch.93)



Plot 7-127 PSD Antenna 4a (80MHz BW 802.11be(SU) - Ch.39)

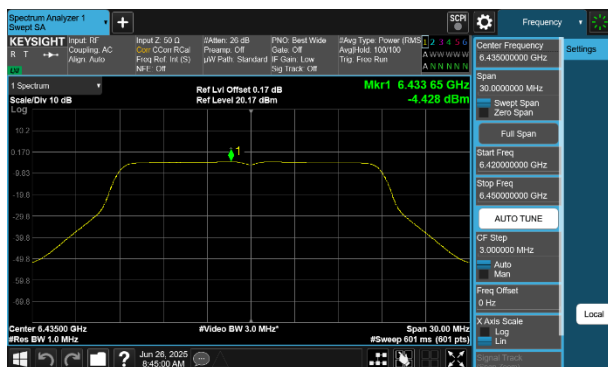


Plot 7-126 PSD Antenna 4a (40MHz BW 802.11be(SU) - Ch.43)

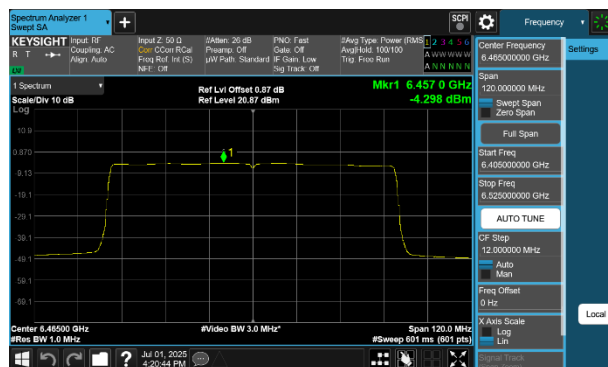


Plot 7-128 PSD Antenna 4a (160MHz BW 802.11be(SU) - Ch.47)

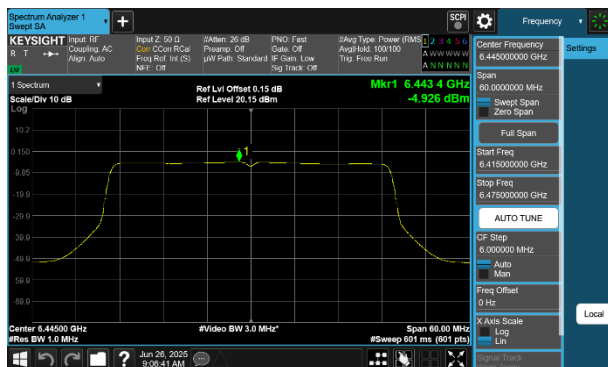
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		Page 75 of 239



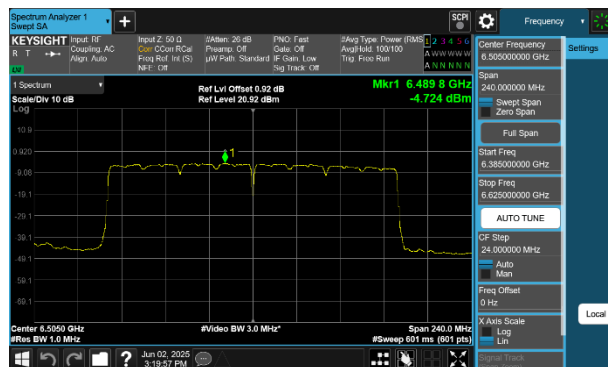
Plot 7-129 PSD Antenna 4a (20MHz BW 802.11a - Ch.97)



Plot 7-131 PSD Antenna 4a (80MHz BW 802.11be(SU) - Ch.103)

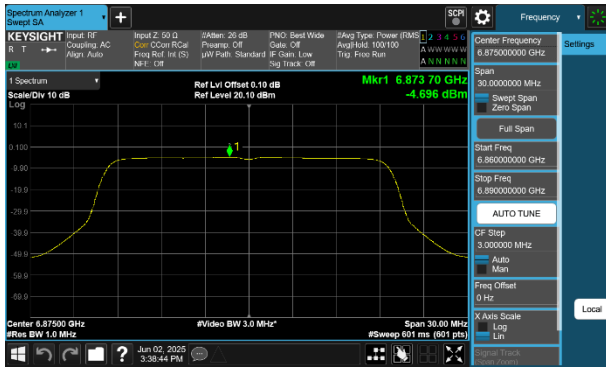


Plot 7-130 PSD Antenna 4a (40MHz BW 802.11be(SU) - Ch.99)

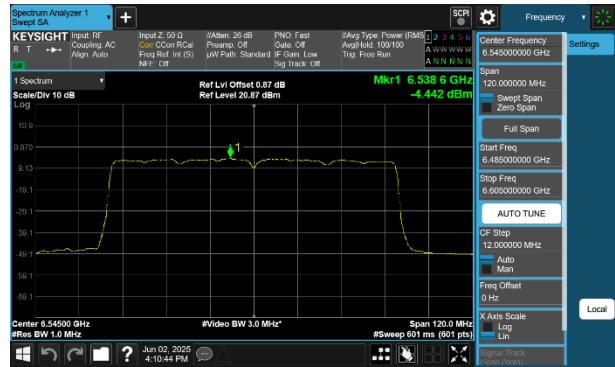


Plot 7-132 PSD Antenna 4a (160MHz BW 802.11be(SU) - Ch.111)

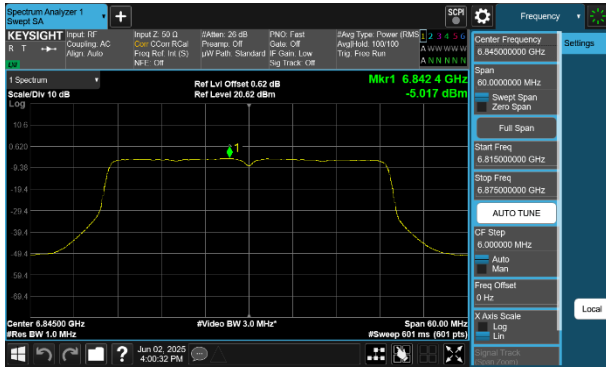
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG			Page 76 of 239
Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		



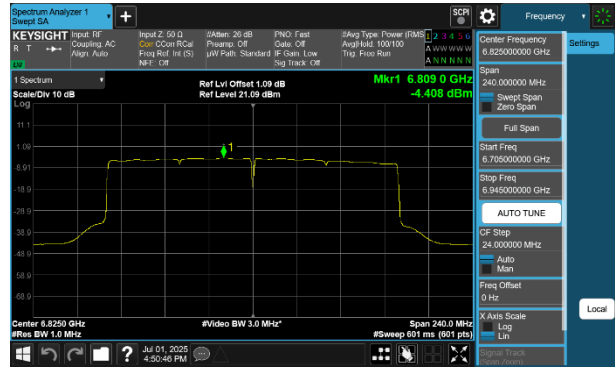
Plot 7-133 PSD Antenna 4a (20MHz BW 802.11be(SU) - Ch.185)



Plot 7-135 PSD Antenna 4a (80MHz BW 802.11be(SU) - Ch.119)

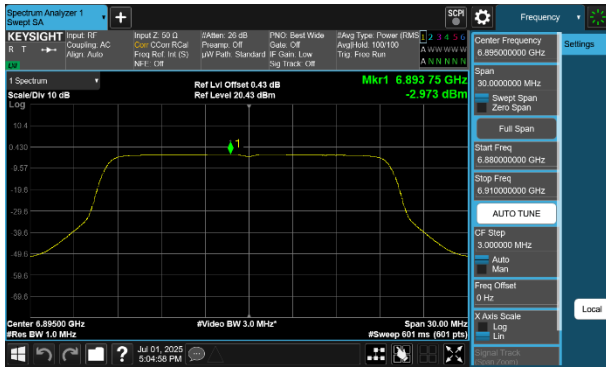


Plot 7-134 PSD Antenna 4a (40MHz BW 802.11be(SU) - Ch.179)

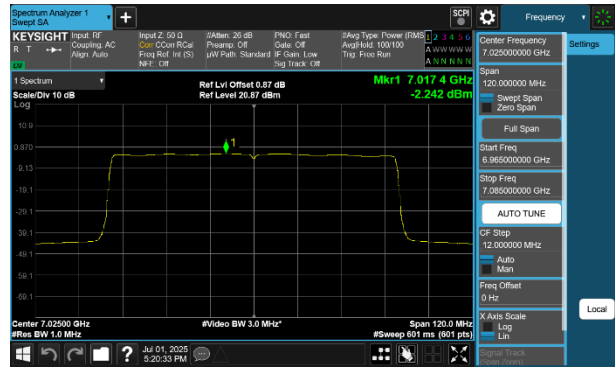


Plot 7-136 PSD Antenna 4a (160MHz BW 802.11be(SU) - Ch.175)

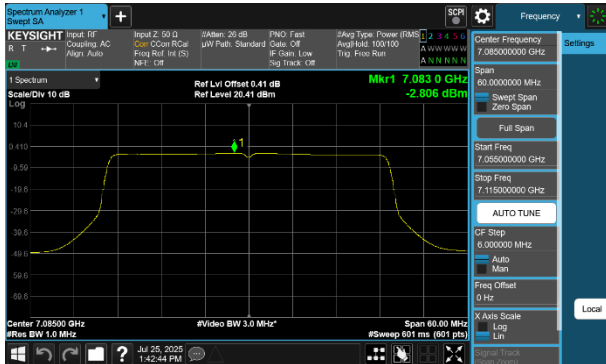
FCC ID: BCGA3358 IC: 579C-A3358	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 77 of 239



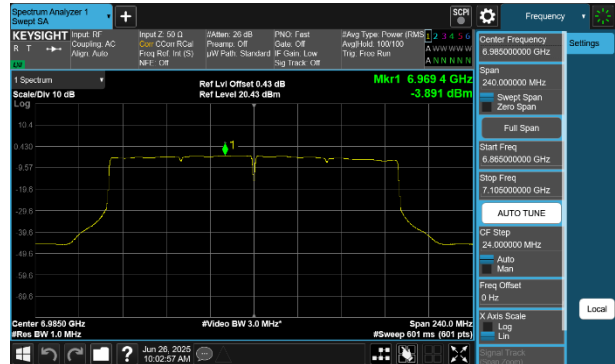
Plot 7-137 PSD Antenna 4a (20MHz BW 802.11be(SU) - Ch.189)



Plot 7-139 PSD Antenna 4a (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-138 PSD Antenna 4a (40MHz BW 802.11be(SU) - Ch.227)



Plot 7-140 PSD Antenna 4a (160MHz BW 802.11be(SU) - Ch.207)

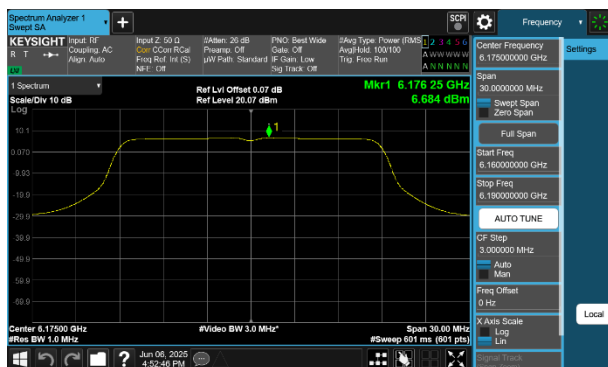
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG			Page 78 of 239
Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		

7.4.5 Antenna 2a Power Spectral Density Measurements – SP

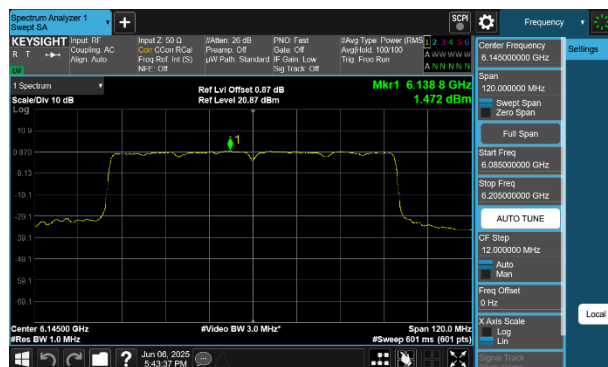
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	6Mbps	6.85	-1.50	5.35	17	-11.65
	6175	45	a	6Mbps	6.68	0.80	7.48	17	-9.52
	6415	93	a	36Mbps	6.42	-0.30	6.12	17	-10.88
	5955	1	be (20MHz)	MCS3	6.76	-1.50	5.26	17	-11.74
	6175	45	be (20MHz)	MCS5	6.68	0.80	7.48	17	-9.52
	6415	93	be (20MHz)	MCS0	6.45	-0.30	6.15	17	-10.85
	5965	3	be (40MHz)	MCS5	3.89	-1.50	2.39	17	-14.62
	6165	43	be (40MHz)	MCS5	4.07	0.80	4.87	17	-12.13
	6405	91	be (40MHz)	MCS5	3.59	-0.30	3.29	17	-13.71
	5985	7	be (80MHz)	MCS5	1.27	-1.50	-0.23	17	-17.23
	6145	39	be (80MHz)	MCS5	1.47	0.80	2.27	17	-14.73
	6385	87	be (80MHz)	MCS5	1.00	-0.30	0.70	17	-16.30
	6025	15	be (160MHz)	MCS5	-1.53	-1.50	-3.03	17	-20.03
	6185	47	be (160MHz)	MCS3	-1.24	0.80	-0.44	17	-17.44
Band 6	6345	79	be (160MHz)	MCS5	-1.88	-0.30	-2.18	17	-19.18
	6435	97	a	36Mbps	5.94	-0.10	5.84	17	-11.16
	6475	105	a	36Mbps	5.38	-0.10	5.28	17	-11.72
	6515	113	a	36Mbps	5.80	-0.10	5.70	17	-11.31
	6435	97	be (20MHz)	MCS0	5.57	-0.10	5.47	17	-11.53
	6475	105	be (20MHz)	MCS5	5.44	-0.10	5.34	17	-11.66
	6515	113	be (20MHz)	MCS5	5.32	-0.10	5.22	17	-11.78
	6445	99	be (40MHz)	MCS5	2.91	-0.10	2.81	17	-14.20
	6485	107	be (40MHz)	MCS5	2.86	-0.10	2.76	17	-14.24
	6525	115	be (40MHz)	MCS5	3.01	-0.10	2.91	17	-14.09
Band 7	6465	103	be (80MHz)	MCS5	0.06	-0.10	-0.04	17	-17.04
	6505	111	be (160MHz)	MCS5	-2.59	-0.10	-2.69	17	-19.69
	6535	117	a	36Mbps	5.80	1.30	7.10	17	-9.90
	6695	149	a	36Mbps	5.81	1.30	7.11	17	-9.89
	6855	181	a	18Mbps	6.10	1.30	7.40	17	-9.60
	6535	117	be (20MHz)	MCS3	5.50	1.30	6.80	17	-10.20
	6695	149	be (20MHz)	MCS5	5.79	1.30	7.09	17	-9.91
	6855	181	be (20MHz)	MCS0	5.78	1.30	7.08	17	-9.92
	6725	155	be (40MHz)	MCS5	2.91	1.30	4.21	17	-12.79
	6845	179	be (40MHz)	MCS5	2.78	1.30	4.08	17	-12.92
	6545	119	be (80MHz)	MCS5	0.29	1.30	1.59	17	-15.41
	6705	151	be (80MHz)	MCS5	0.45	1.30	1.75	17	-15.25
	6785	167	be (80MHz)	MCS5	0.09	1.30	1.39	17	-15.61
	6665	143	be (160MHz)	MCS5	-2.47	1.30	-1.17	17	-18.17

Table 7-62. Power Spectral Density Measurements Antenna 2a

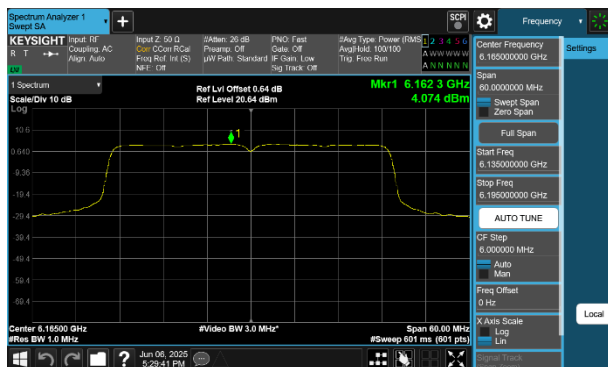
FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 79 of 239



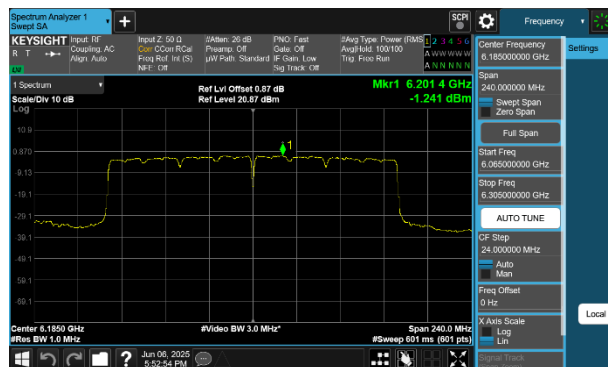
Plot 7-141 PSD Antenna 2a (20MHz BW 802.11a - Ch.45)



Plot 7-143 PSD Antenna 2a (80MHz BW 802.11be(SU) - Ch.39)

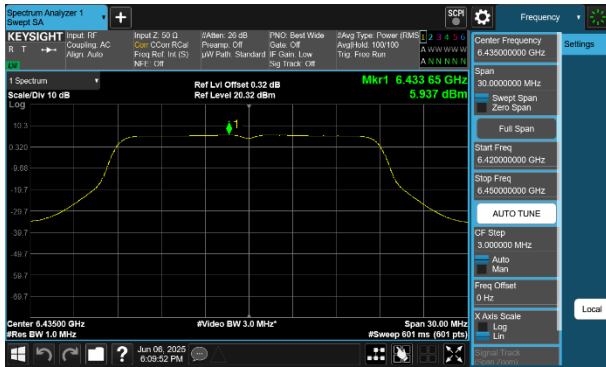


Plot 7-142 PSD Antenna 2a (40MHz BW 802.11be(SU) - Ch.43)

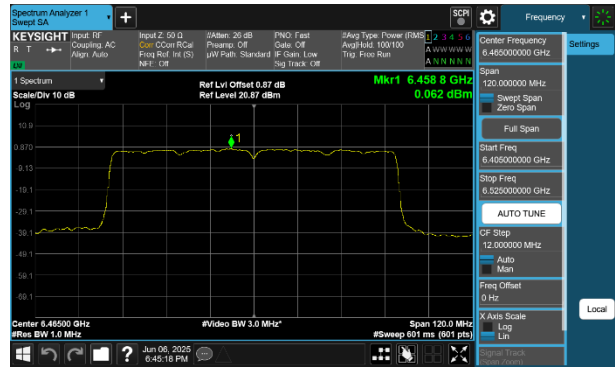


Plot 7-144 PSD Antenna 2a (160MHz BW 802.11be(SU) - Ch.47)

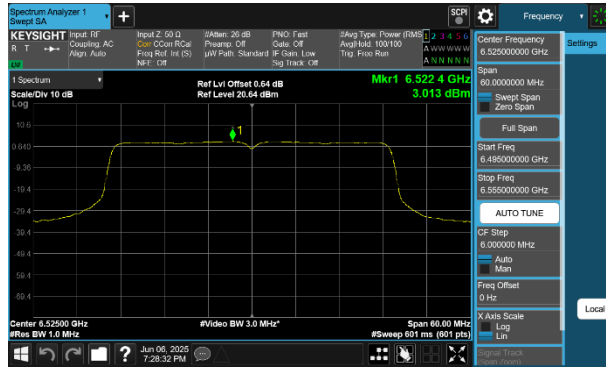
FCC ID: BCGA3358 IC: 579C-A3358			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 80 of 239	



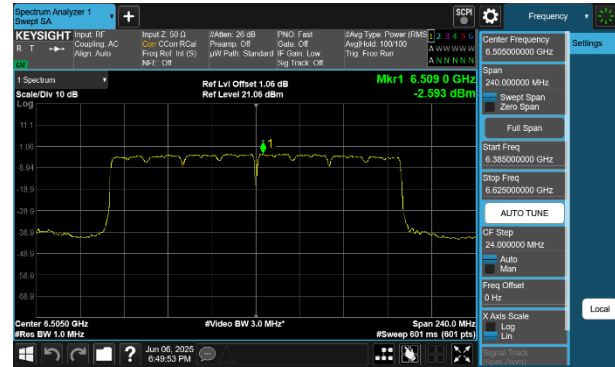
Plot 7-145 PSD Antenna 2a (20MHz BW 802.11a - Ch.97)



Plot 7-147 PSD Antenna 2a (80MHz BW 802.11be(SU) - Ch.103)

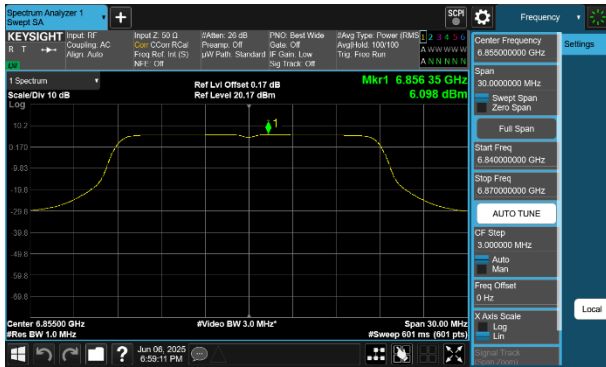


Plot 7-146 PSD Antenna 2a (40MHz BW 802.11be(SU) - Ch.115)

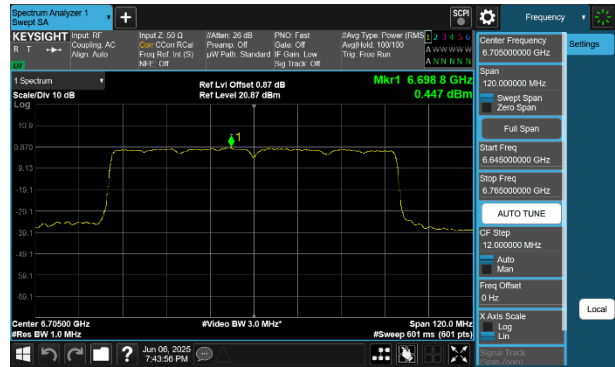


Plot 7-148 PSD Antenna 2a (160MHz BW 802.11be(SU) - Ch.111)

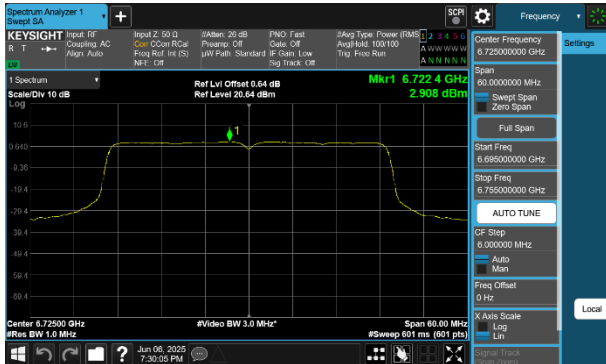
FCC ID: BCGA3358 IC: 579C-A3358	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 81 of 239



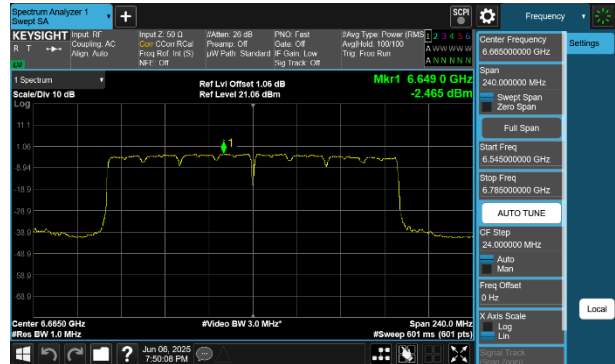
Plot 7-149 PSD Antenna 2a (20MHz BW 802.11a - Ch.181)



Plot 7-151 PSD Antenna 2a (80MHz BW 802.11be(SU) - Ch.151)



Plot 7-150 PSD Antenna 2a (40MHz BW 802.11be(SU) - Ch.155)



Plot 7-152 PSD Antenna 2a (160MHz BW 802.11be(SU) - Ch.143)

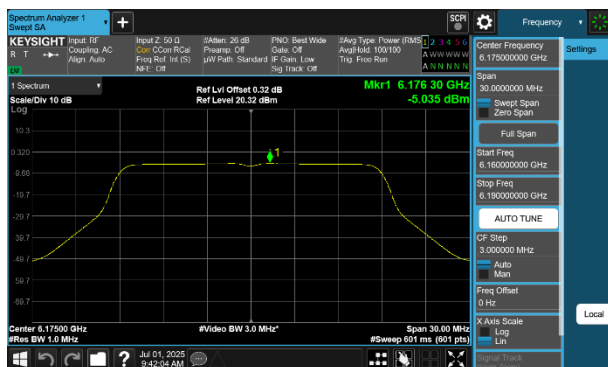
FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG			Page 82 of 239
Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		

7.4.6 Antenna 2a Power Spectral Density Measurements – LPI

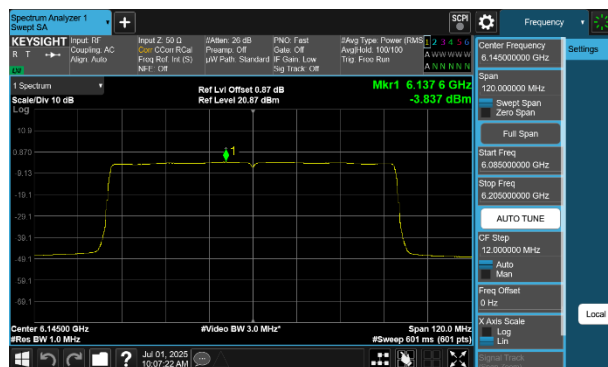
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	36Mbps	-4.83	-1.50	-6.33	-1	-5.33
	6175	45	a	36Mbps	-5.04	0.80	-4.24	-1	-3.24
	6415	93	a	18Mbps	-4.87	-0.30	-5.17	-1	-4.17
	5955	1	be (20MHz)	MCS5	-5.02	-1.50	-6.52	-1	-5.52
	6175	45	be (20MHz)	MCS3	-5.41	0.80	-4.61	-1	-3.61
	6415	93	be (20MHz)	MCS0	-4.74	-0.30	-5.04	-1	-4.04
	5965	3	be (40MHz)	MCS5	-4.52	-1.50	-6.02	-1	-5.02
	6165	43	be (40MHz)	MCS5	-5.62	0.80	-4.82	-1	-3.82
	6405	91	be (40MHz)	MCS5	-3.55	-0.30	-3.85	-1	-2.85
	5985	7	be (80MHz)	MCS0	-4.98	-1.50	-6.48	-1	-5.48
	6145	39	be (80MHz)	MCS5	-3.84	0.80	-3.04	-1	-2.04
	6385	87	be (80MHz)	MCS0	-3.85	-0.30	-4.15	-1	-3.15
	6025	15	be (160MHz)	MCS5	-3.73	-1.50	-5.23	-1	-4.23
	6185	47	be (160MHz)	MCS5	-3.45	0.80	-2.65	-1	-1.65
Band 6	6345	79	be (160MHz)	MCS0	-4.29	-0.30	-4.59	-1	-3.59
	6435	97	a	6Mbps	-4.24	-0.10	-4.34	-1	-3.34
	6475	105	a	36Mbps	-4.34	-0.10	-4.44	-1	-3.44
	6515	113	a	36Mbps	-4.45	-0.10	-4.55	-1	-3.55
	6435	97	be (20MHz)	MCS5	-4.44	-0.10	-4.54	-1	-3.54
	6475	105	be (20MHz)	MCS5	-4.51	-0.10	-4.61	-1	-3.61
	6515	113	be (20MHz)	MCS5	-4.63	-0.10	-4.73	-1	-3.73
	6445	99	be (40MHz)	MCS5	-3.97	-0.10	-4.07	-1	-3.07
	6485	107	be (40MHz)	MCS5	-3.95	-0.10	-4.05	-1	-3.05
	6525	115	be (40MHz)	MCS0	-5.74	-0.10	-5.84	-1	-4.84
	6465	103	be (80MHz)	MCS5	-4.12	-0.10	-4.22	-1	-3.22
	6505	111	be (160MHz)	MCS5	-4.19	-0.10	-4.29	-1	-3.29
	6535	117	a	6Mbps	-5.18	1.30	-3.88	-1	-2.88
	6695	149	a	6Mbps	-5.36	1.30	-4.06	-1	-3.06
Band 7	6875	185	a	18Mbps	-5.80	1.30	-4.50	-1	-3.50
	6535	117	be (20MHz)	MCS3	-5.81	1.30	-4.51	-1	-3.51
	6695	149	be (20MHz)	MCS5	-5.54	1.30	-4.24	-1	-3.24
	6875	185	be (20MHz)	MCS5	-5.79	1.30	-4.49	-1	-3.49
	6725	155	be (40MHz)	MCS3	-5.84	1.30	-4.54	-1	-3.54
	6845	179	be (40MHz)	MCS0	-5.54	1.30	-4.24	-1	-3.24
	6545	119	be (80MHz)	MCS0	-5.26	1.30	-3.96	-1	-2.96
	6705	151	be (80MHz)	MCS5	-5.13	1.30	-3.83	-1	-2.83
	6865	183	be (80MHz)	MCS0	-5.67	1.30	-4.37	-1	-3.37
	6665	143	be (160MHz)	MCS0	-4.53	1.30	-3.23	-1	-2.23
	6825	175	be (160MHz)	MCS5	-6.01	1.30	-4.71	-1	-3.71
	6895	189	a	36Mbps	-6.53	-0.30	-6.83	-1	-5.83
	6995	209	a	36Mbps	-6.50	-0.30	-6.80	-1	-5.80
	7115	233	a	18Mbps	-6.58	-0.30	-6.88	-1	-5.88
Band 8	6895	189	be (20MHz)	MCS3	-6.37	-0.30	-6.67	-1	-5.67
	6995	209	be (20MHz)	MCS5	-6.41	-0.30	-6.71	-1	-5.71
	7115	233	be (20MHz)	MCS3	-6.87	-0.30	-7.17	-1	-6.17
	6885	187	be (40MHz)	MCS0	-6.24	-0.30	-6.54	-1	-5.54
	7005	211	be (40MHz)	MCS0	-6.48	-0.30	-6.78	-1	-5.78
	7085	227	be (40MHz)	MCS5	-6.19	-0.30	-6.49	-1	-5.49
	6945	199	be (80MHz)	MCS5	-6.24	-0.30	-6.54	-1	-5.54
	7025	215	be (80MHz)	MCS5	-6.05	-0.30	-6.35	-1	-5.35
	6985	207	be (160MHz)	MCS5	-5.59	-0.30	-5.89	-1	-4.89

Table 7-63. Power Spectral Density Measurements Antenna 2a

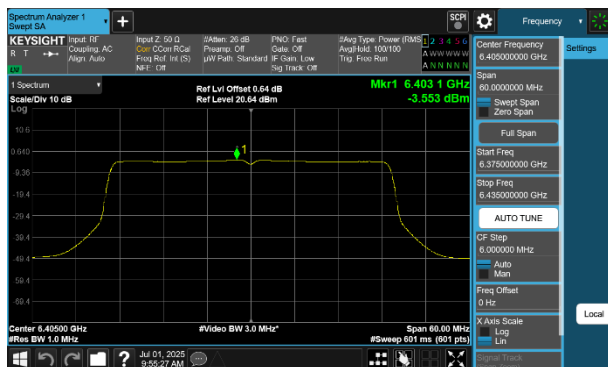
FCC ID: BCGA3358 IC: 579C-A3358	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 83 of 239



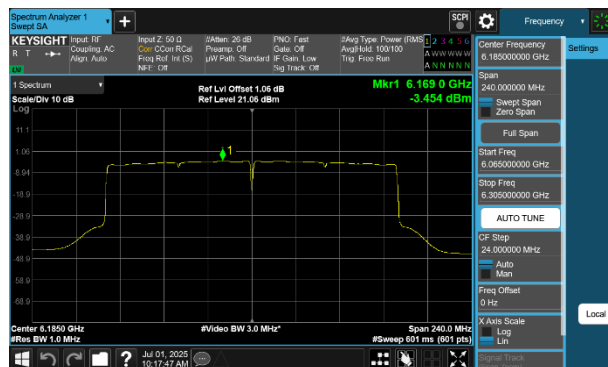
Plot 7-153 PSD Antenna 2a (20MHz BW 802.11a - Ch.45)



Plot 7-155 PSD Antenna 2a (80MHz BW 802.11be(SU) - Ch.39)



Plot 7-154 PSD Antenna 2a (40MHz BW 802.11be(SU) - Ch.91)



Plot 7-156 PSD Antenna 2a (160MHz BW 802.11be(SU) - Ch.47)

FCC ID: BCGA3358 IC: 579C-A3358		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170039-24-R2.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 84 of 239