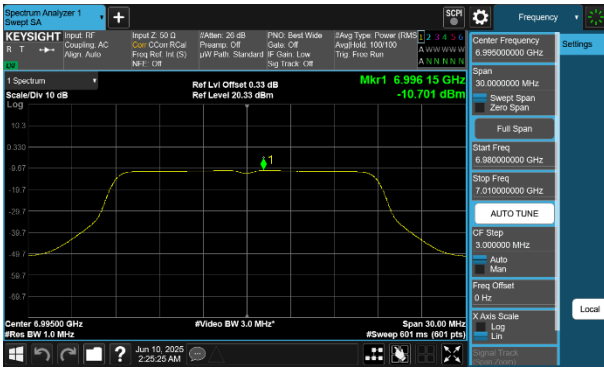
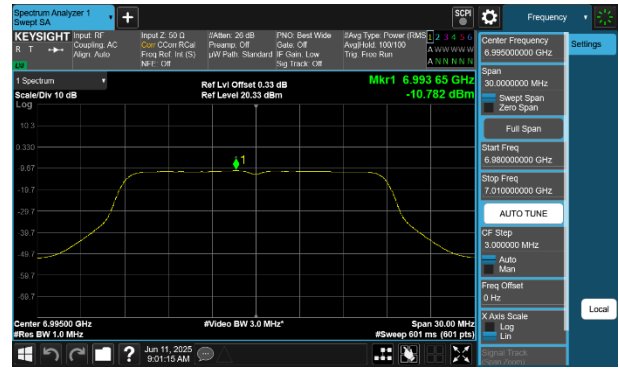
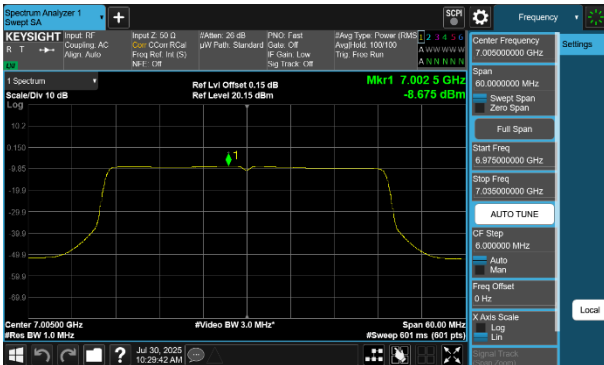




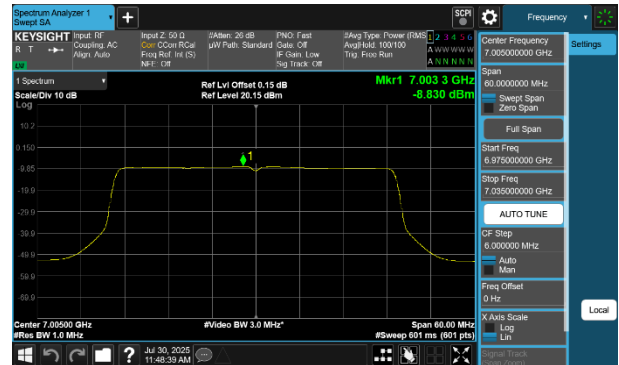
Plot 7-217 PSD CDD Primary Antenna WF5B (20MHz BW 802.11a - Ch.209)



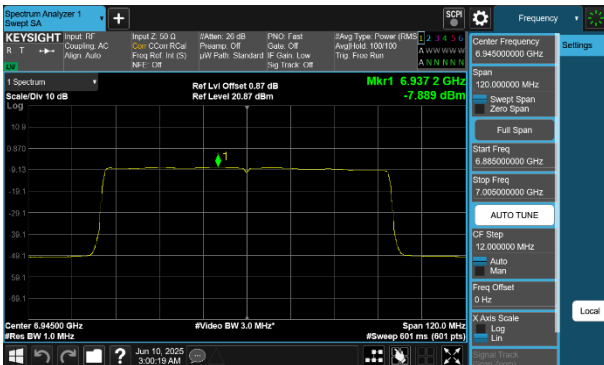
Plot 7-221 PSD CDD Primary Antenna 4a (20MHz BW 802.11a - Ch.209)



Plot 7-218 PSD SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) - Ch.211)



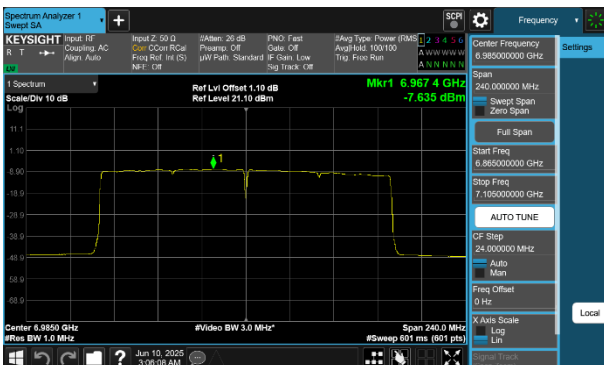
Plot 7-222 PSD SDM Primary Antenna 4a (40MHz BW 802.11be(SU) - Ch.211)



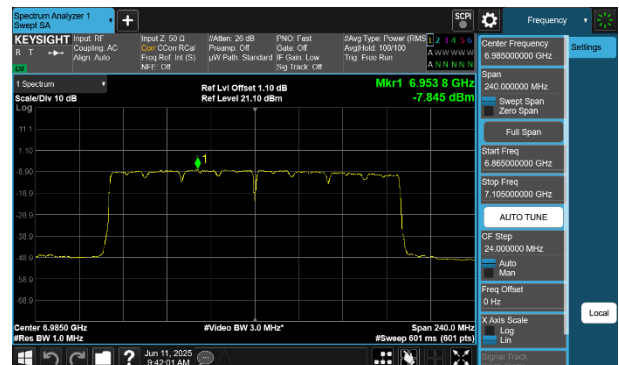
Plot 7-219 PSD SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) - Ch.199)



Plot 7-223 PSD SDM Primary Antenna 4a (80MHz BW 802.11be(SU) - Ch.199)



Plot 7-220 PSD SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) - Ch.207)



Plot 7-224 PSD SDM Primary Antenna 4a (160MHz BW 802.11be(SU) - Ch.207)

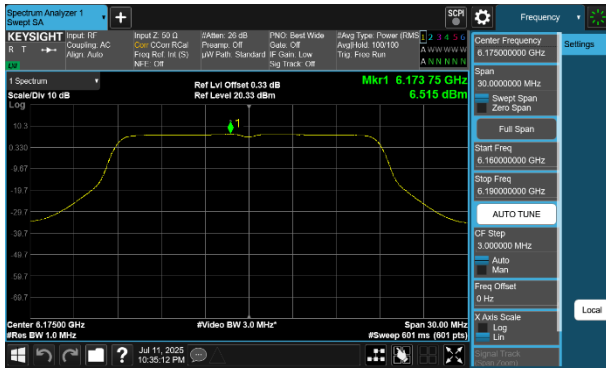
FCC ID: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 96 of 239

7.4.9 CDD Diversity Power Spectral Density Measurements – SP

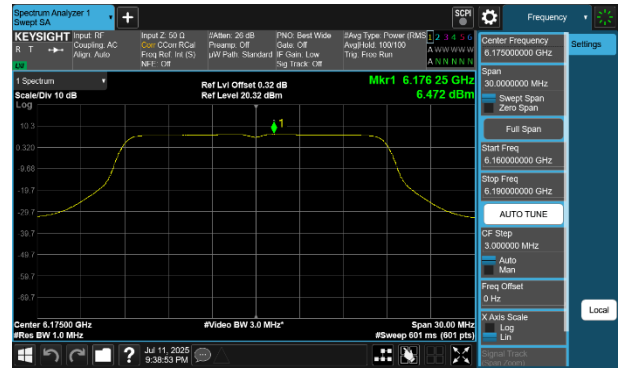
	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate	Antenna 4a Measured Power Density [dBm/MHz]	Antenna 2a Measured Power Density [dBm/MHz]	Summed MIMO Power Density [dBm/MHz]	Directional Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	CDD	36Mbps	6.06	6.01	9.05	3.11	12.16	17	-4.84
	6175	45	a	CDD	36Mbps	6.52	6.47	9.50	3.71	13.22	17	-3.78
	6415	93	a	CDD	6Mbps	6.93	6.59	9.77	3.29	13.07	17	-3.93
	5955	1	be (20MHz)	CDD	MCS5	5.75	5.81	8.79	3.11	11.90	17	-5.10
	6175	45	be (20MHz)	CDD	MCS5	6.33	6.31	9.33	3.71	13.04	17	-3.96
	6415	93	be (20MHz)	CDD	MCS5	6.23	6.54	9.40	3.29	12.69	17	-4.31
	5965	3	be (40MHz)	CDD	MCS0	2.73	2.64	5.69	3.11	8.80	17	-8.20
	6165	43	be (40MHz)	CDD	MCS0	2.65	2.70	5.69	3.71	9.40	17	-7.60
	6405	91	be (40MHz)	CDD	MCS0	3.08	2.79	5.95	3.29	9.24	17	-7.76
	5985	7	be (80MHz)	CDD	MCS5	-0.63	-0.33	2.53	3.11	5.64	17	-11.36
	6145	39	be (80MHz)	CDD	MCS0	-0.06	0.01	2.99	3.71	6.70	17	-10.30
	6385	87	be (80MHz)	CDD	MCS0	0.10	-0.17	2.98	3.29	6.27	17	-10.73
	6025	15	be (160MHz)	CDD	MCS3	-3.16	-3.04	-0.09	3.11	3.02	17	-13.98
	6185	47	be (160MHz)	CDD	MCS0	-3.00	-2.90	0.06	3.71	3.77	17	-13.23
	6345	79	be (160MHz)	CDD	MCS0	-2.92	-3.15	-0.02	3.29	3.27	17	-13.73
Band 6	6435	97	a	CDD	12Mbps	5.14	4.76	7.96	3.91	11.87	17	-5.13
	6475	105	a	CDD	12Mbps	5.01	4.81	7.92	3.91	11.83	17	-5.17
	6515	113	a	CDD	36Mbps	5.00	4.81	7.91	3.91	11.83	17	-5.17
	6435	97	be (20MHz)	CDD	MCS0	4.89	4.53	7.72	3.91	11.63	17	-5.37
	6475	105	be (20MHz)	CDD	MCS3	4.74	4.83	7.79	3.91	11.70	17	-5.30
	6515	113	be (20MHz)	CDD	MCS0	4.86	4.73	7.81	3.91	11.72	17	-5.28
	6445	99	be (40MHz)	CDD	MCS0	1.94	1.91	4.93	3.91	8.84	17	-8.16
	6485	107	be (40MHz)	CDD	MCS0	1.79	1.86	4.84	3.91	8.75	17	-8.25
	6525	115	be (40MHz)	CDD	MCS5	1.90	1.76	4.84	3.91	8.75	17	-8.25
	6465	103	be (80MHz)	CDD	MCS0	-1.16	-1.14	1.86	3.91	5.77	17	-11.23
	6505	111	be (160MHz)	CDD	MCS0	-4.28	-4.14	-1.20	3.91	2.71	17	-14.29
	6535	117	a	CDD	12Mbps	5.10	5.05	8.08	3.68	11.76	17	-5.24
	6695	149	a	CDD	6Mbps	4.95	5.20	8.09	3.68	11.77	17	-5.23
	6855	181	a	CDD	6Mbps	5.19	5.50	8.36	3.68	12.04	17	-4.96
	6535	117	be (20MHz)	CDD	MCS0	4.80	4.72	7.77	3.68	11.45	17	-5.55
	6695	149	be (20MHz)	CDD	MCS0	4.66	5.12	7.91	3.68	11.59	17	-5.41
Band 7	6855	181	be (20MHz)	CDD	MCS0	4.72	4.98	7.86	3.68	11.54	17	-5.46
	6565	123	be (40MHz)	CDD	MCS0	1.92	1.45	4.70	3.68	8.38	17	-8.62
	6725	155	be (40MHz)	CDD	MCS0	1.98	1.80	4.90	3.68	8.58	17	-8.42
	6845	179	be (40MHz)	CDD	MCS0	2.00	1.91	4.97	3.68	8.65	17	-8.35
	6545	119	be (80MHz)	CDD	MCS3	-1.06	-1.25	1.86	3.68	5.54	17	-11.46
	6705	151	be (80MHz)	CDD	MCS0	-1.09	-1.00	1.97	3.68	5.65	17	-11.35
	6785	167	be (80MHz)	CDD	MCS0	-0.96	-0.98	2.04	3.68	5.72	17	-11.28
	6665	143	be (160MHz)	CDD	MCS0	-3.66	-3.74	-0.69	3.68	2.99	17	-14.01

Table 7-66. Power Spectral Density Measurements SDM Diversity

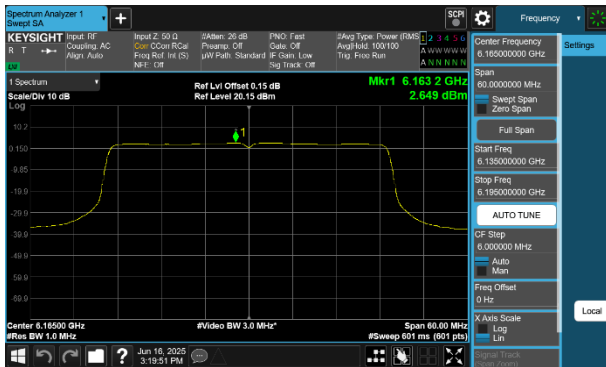
FCC ID: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 97 of 239



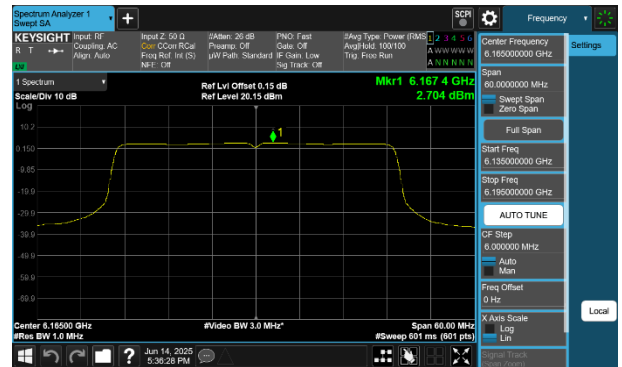
Plot 7-225 PSD CDD Diversity Antenna 4a (20MHz BW 802.11a - Ch.45)



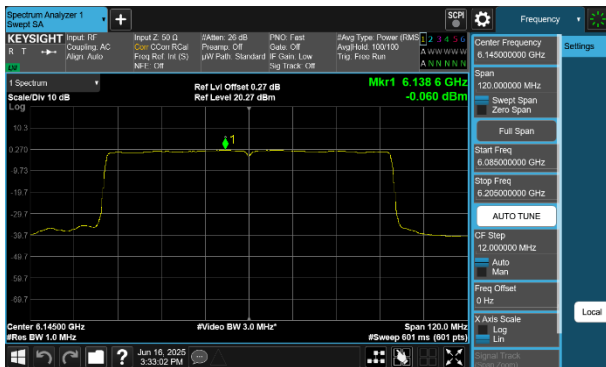
Plot 7-229 PSD CDD Diversity Antenna 2a (20MHz BW 802.11a - Ch.45)



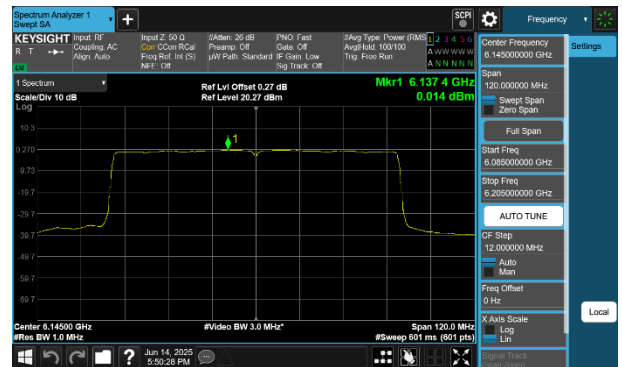
Plot 7-226 PSD CDD Diversity Antenna 4a (40MHz BW 802.11be(SU) - Ch.43)



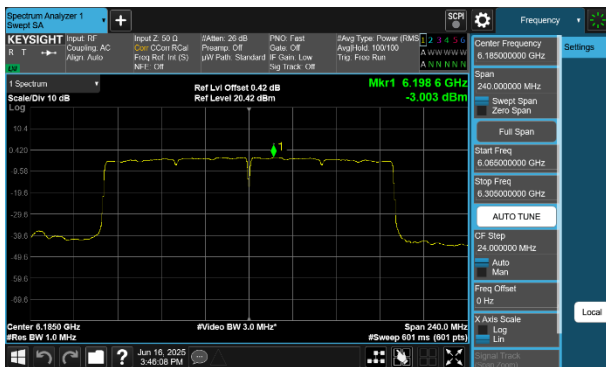
Plot 7-230 PSD CDD Diversity Antenna 2a (40MHz BW 802.11be(SU) - Ch.43)



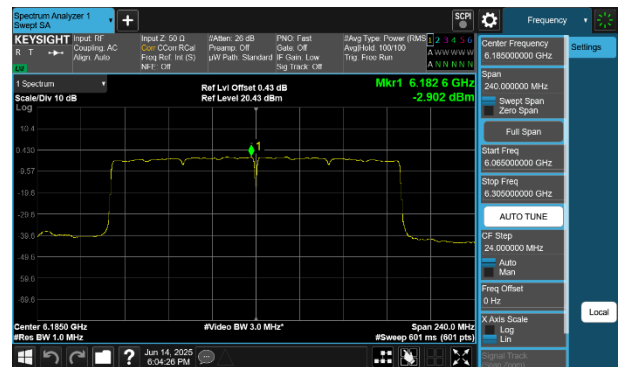
Plot 7-227 PSD CDD Diversity Antenna 4a (80MHz BW 802.11be(SU) - Ch.39)



Plot 7-231 PSD CDD Diversity Antenna 2a (80MHz BW 802.11be(SU) - Ch.39)

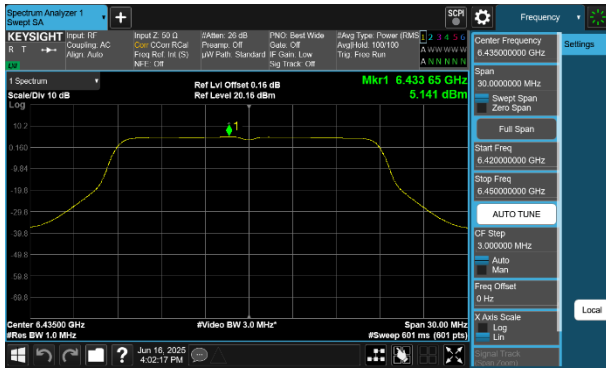


Plot 7-228 PSD CDD Diversity Antenna 4a (160MHz BW 802.11be(SU) - Ch.47)

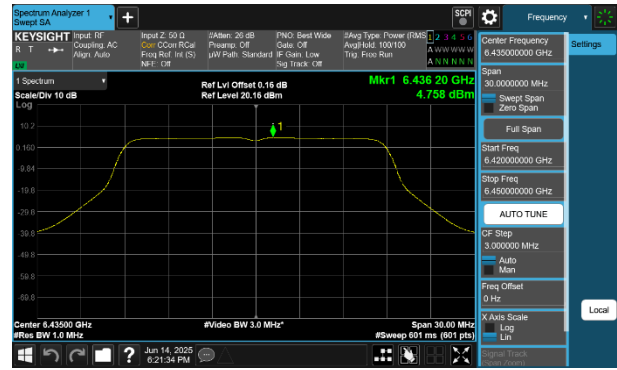


Plot 7-232 PSD CDD Diversity Antenna 2a (160MHz BW 802.11be(SU) - Ch.47)

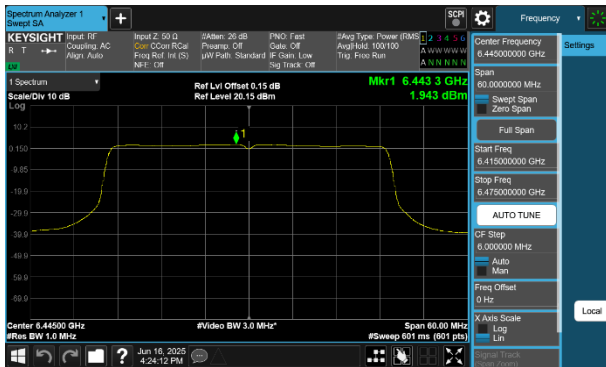
FCC ID: BCGA3361 IC: 579C-A3361			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		Page 98 of 239



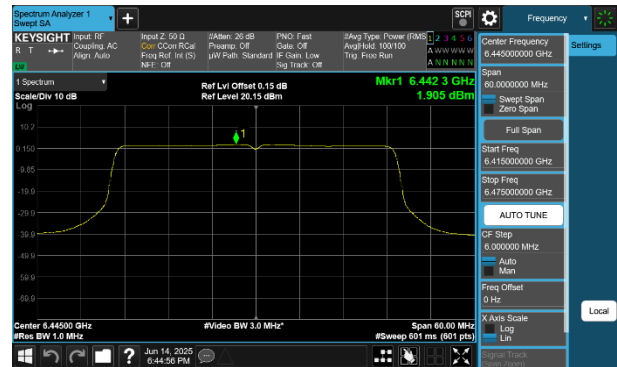
Plot 7-233 PSD CDD Diversity Antenna 4a (20MHz BW 802.11a - Ch.97)



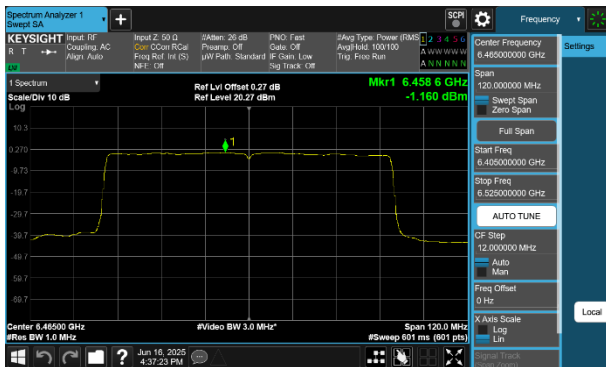
Plot 7-237 PSD CDD Diversity Antenna 2a (20MHz BW 802.11a - Ch.97)



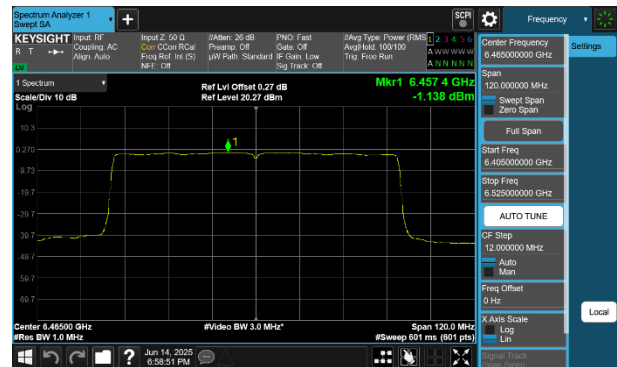
Plot 7-234 PSD CDD Diversity Antenna 4a (40MHz BW 802.11be(SU) - Ch.99)



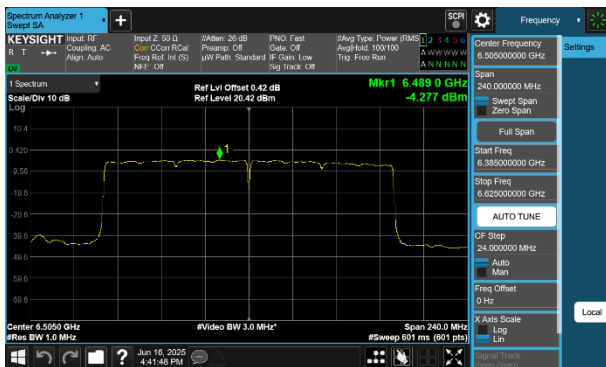
Plot 7-238 PSD CDD Diversity Antenna 2a (40MHz BW 802.11be(SU) - Ch.99)



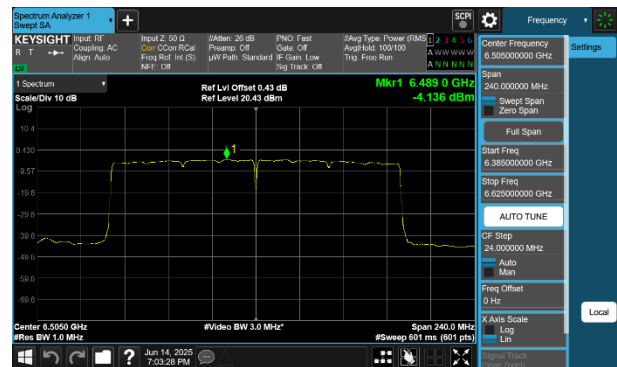
Plot 7-235 PSD CDD Diversity Antenna 4a (80MHz BW 802.11be(SU) - Ch.103)



Plot 7-239 PSD CDD Diversity Antenna 2a (80MHz BW 802.11be(SU) - Ch.103)

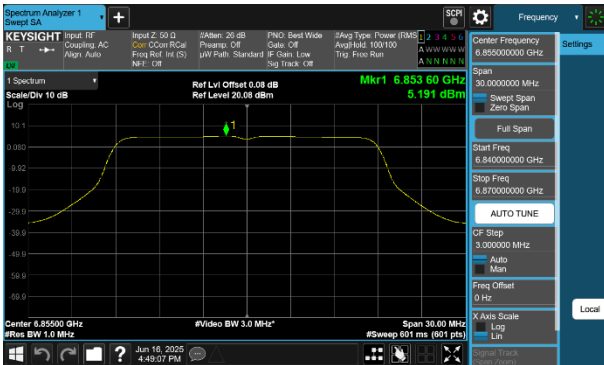


Plot 7-236 PSD CDD Diversity Antenna 4a (160MHz BW 802.11be(SU) - Ch.111)

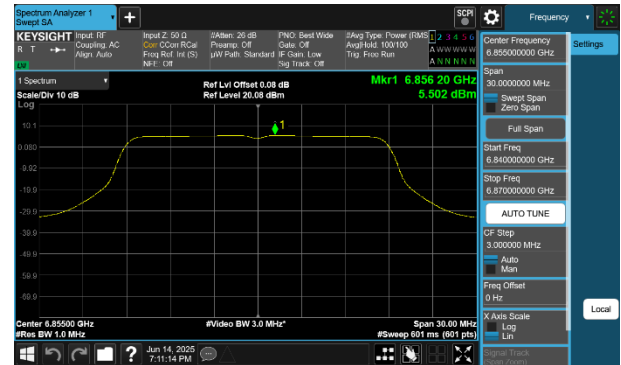


Plot 7-240 PSD CDD Diversity Antenna 2a (160MHz BW 802.11be(SU) - Ch.111)

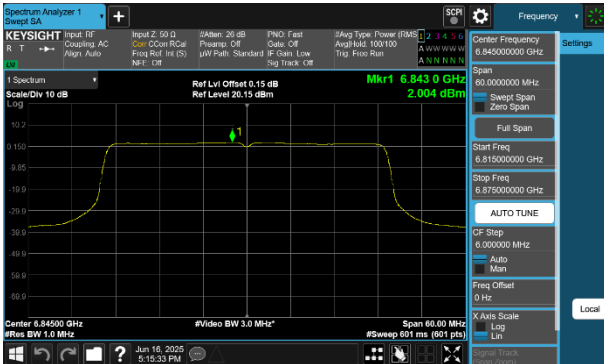
FCC ID: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 99 of 239



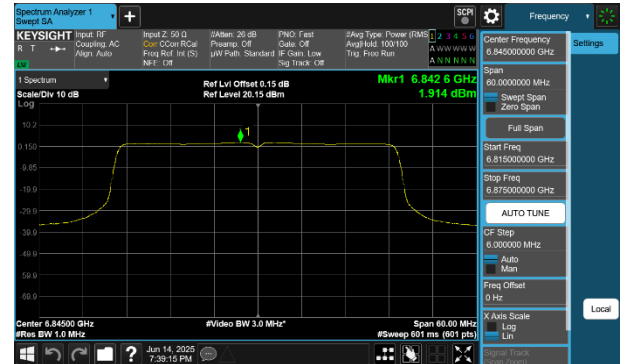
Plot 7-241 PSD CDD Diversity Antenna 4a (20MHz BW 802.11a - Ch.181)



Plot 7-245 PSD CDD Diversity Antenna 2a (20MHz BW 802.11a - Ch.181)



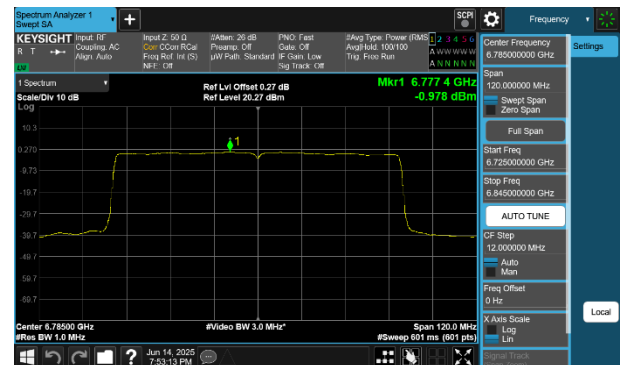
Plot 7-242 PSD CDD Diversity Antenna 4a (40MHz BW 802.11be(SU) - Ch.179)



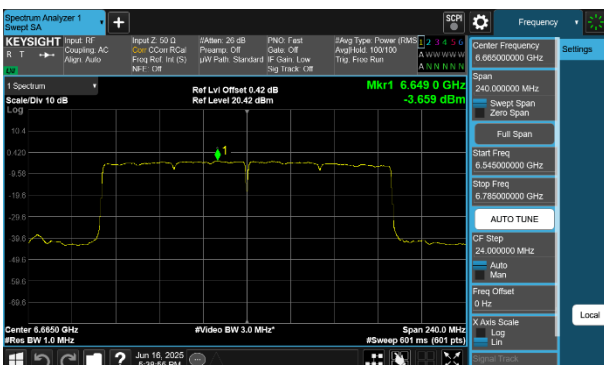
Plot 7-246 PSD CDD Diversity Antenna 2a (40MHz BW 802.11be(SU) - Ch.179)



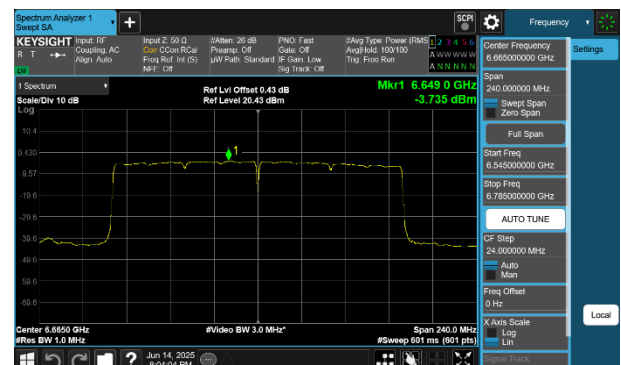
Plot 7-243 PSD CDD Diversity Antenna 4a (80MHz BW 802.11be(SU) - Ch.167)



Plot 7-247 PSD CDD Diversity Antenna 2a (80MHz BW 802.11be(SU) - Ch.167)



Plot 7-244 PSD CDD Diversity Antenna 4a (160MHz BW 802.11be(SU) - Ch.143)



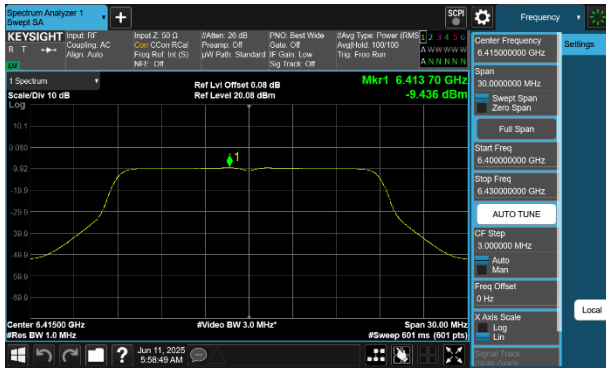
Plot 7-248 PSD CDD Diversity Antenna 2a (160MHz BW 802.11be(SU) - Ch.143)

FCC ID: BCGA3361 IC: 579C-A3361	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 100 of 239

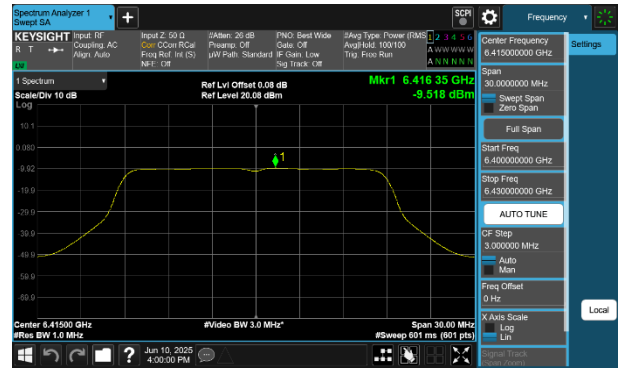
7.4.10 CDD/SDM Diversity Power Spectral Density Measurements – LPI

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate	Antenna 4a Measured Power Density [dBm/MHz]	Antenna 2a Measured Power Density [dBm/MHz]	Summed MIMO Power Density [dBm/MHz]	Directional Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	CDD	12Mbps	-11.61	-11.64	-8.62	3.11	-5.50	-1	-4.50
	6175	45	a	CDD	12Mbps	-9.83	-10.25	-7.03	3.71	-3.31	-1	-2.31
	6415	93	a	CDD	6Mbps	-9.44	-9.52	-6.47	3.29	-3.17	-1	-2.17
	5955	1	be (20MHz)	SDM	MCS0	-8.32	-8.79	-5.54	0.10	-5.44	-1	-4.44
	6175	45	be (20MHz)	SDM	MCS3	-7.07	-7.63	-4.33	0.75	-3.58	-1	-2.58
	6415	93	be (20MHz)	SDM	MCS3	-6.53	-6.99	-3.75	0.31	-3.43	-1	-2.43
	5965	3	be (40MHz)	SDM	MCSS	-8.53	-8.79	-5.65	0.10	-5.55	-1	-4.55
	6165	43	be (40MHz)	SDM	MCS0	-7.39	-7.71	-4.54	0.75	-3.78	-1	-2.78
	6405	91	be (40MHz)	SDM	MCS0	-6.91	-7.17	-4.03	0.31	-3.72	-1	-2.72
	5985	7	be (80MHz)	SDM	MCS0	-7.98	-8.49	-5.22	0.10	-5.12	-1	-4.12
	6145	39	be (80MHz)	SDM	MCS0	-7.06	-7.38	-4.21	0.75	-3.45	-1	-2.45
	6385	87	be (80MHz)	SDM	MCS3	-6.21	-6.91	-3.54	0.31	-3.22	-1	-2.22
	6025	15	be (160MHz)	SDM	MCS0	-8.22	-8.71	-5.45	0.10	-5.35	-1	-4.35
	6185	47	be (160MHz)	SDM	MCS0	-7.07	-7.49	-4.26	0.75	-3.51	-1	-2.51
	6345	79	be (160MHz)	SDM	MCS3	-5.86	-6.90	-3.34	0.31	-3.02	-1	-2.02
Band 6	6435	97	a	CDD	6Mbps	-10.89	-10.60	-7.73	3.91	-3.82	-1	-2.82
	6475	105	a	CDD	6Mbps	-10.40	-10.96	-7.66	3.91	-3.75	-1	-2.75
	6515	113	a	CDD	36Mbps	-10.12	-11.50	-7.74	3.91	-3.83	-1	-2.83
	6435	97	be (20MHz)	SDM	MCS3	-7.96	-8.28	-5.11	0.90	-4.21	-1	-3.21
	6475	105	be (20MHz)	SDM	MCS3	-8.16	-8.23	-5.18	0.90	-4.28	-1	-3.28
	6515	113	be (20MHz)	SDM	MCSS	-8.06	-8.49	-5.26	0.90	-4.36	-1	-3.36
	6445	99	be (40MHz)	SDM	MCS0	-8.04	-8.37	-5.19	0.90	-4.29	-1	-3.29
	6485	107	be (40MHz)	SDM	MCS0	-8.14	-8.45	-5.28	0.90	-4.38	-1	-3.38
	6525	115	be (40MHz)	SDM	MCS3	-9.36	-9.72	-6.52	0.90	-5.62	-1	-4.62
	6465	103	be (80MHz)	SDM	MCS0	-7.72	-7.89	-4.79	0.90	-3.89	-1	-2.89
	6505	111	be (160MHz)	SDM	MCSS	-8.20	-9.51	-5.79	0.90	-4.89	-1	-3.89
	6535	117	a	CDD	36Mbps	-11.98	-12.40	-9.18	3.68	-5.50	-1	-4.50
	6695	149	a	CDD	36Mbps	-11.77	-12.24	-8.98	3.68	-5.30	-1	-4.30
	6875	185	a	CDD	36Mbps	-11.80	-12.53	-9.14	3.68	-5.46	-1	-4.46
	6535	117	be (20MHz)	SDM	MCS3	-9.03	-9.05	-6.03	0.74	-5.29	-1	-4.29
Band 7	6695	149	be (20MHz)	SDM	MCSS	-8.62	-9.13	-5.86	0.74	-5.12	-1	-4.12
	6875	185	be (20MHz)	SDM	MCSS	-8.97	-9.34	-6.14	0.74	-5.40	-1	-4.40
	6565	123	be (40MHz)	SDM	MCSS	-9.26	-9.81	-6.52	0.74	-5.78	-1	-4.78
	6725	155	be (40MHz)	SDM	MCSS	-9.14	-9.89	-6.49	0.74	-5.75	-1	-4.75
	6845	179	be (40MHz)	SDM	MCSS	-9.12	-9.98	-6.52	0.74	-5.78	-1	-4.78
	6545	119	be (80MHz)	SDM	MCS0	-8.62	-9.01	-5.80	0.74	-5.06	-1	-4.06
	6705	151	be (80MHz)	SDM	MCS3	-8.19	-9.17	-5.64	0.74	-4.90	-1	-3.90
	6865	183	be (80MHz)	SDM	MCS0	-9.42	-9.73	-6.56	0.74	-5.83	-1	-4.83
	6665	143	be (160MHz)	SDM	MCSS	-9.26	-9.48	-6.36	0.74	-5.62	-1	-4.62
	6825	175	be (160MHz)	SDM	MCSS	-8.42	-9.83	-6.06	0.74	-5.32	-1	-4.32
	6895	189	a	CDD	36Mbps	-10.92	-12.20	-8.50	2.31	-6.19	-1	-5.19
	6995	209	a	CDD	12Mbps	-10.82	-11.72	-8.24	2.31	-5.93	-1	-4.93
	7115	233	a	CDD	36Mbps	-11.46	-12.22	-8.81	2.31	-6.50	-1	-5.50
	6895	189	be (20MHz)	SDM	MCS0	-8.87	-9.31	-6.07	-0.70	-6.77	-1	-5.77
	6995	209	be (20MHz)	SDM	MCS0	-8.67	-8.92	-5.79	-0.70	-6.48	-1	-5.48
Band 8	7115	233	be (20MHz)	SDM	MCSS	-9.41	-9.91	-6.64	-0.70	-7.34	-1	-6.34
	6885	187	be (40MHz)	SDM	MCS0	-9.83	-9.64	-6.72	-0.70	-7.42	-1	-6.42
	7005	211	be (40MHz)	SDM	MCS0	-8.83	-9.29	-6.05	-0.70	-6.74	-1	-5.74
	7085	227	be (40MHz)	SDM	MCS3	-8.81	-8.92	-5.86	-0.70	-6.55	-1	-5.55
	6945	199	be (80MHz)	SDM	MCSS	-7.88	-8.70	-5.26	-0.70	-5.96	-1	-4.96
	7025	215	be (80MHz)	SDM	MCSS	-8.61	-9.12	-5.85	-0.70	-6.55	-1	-5.55
	6985	207	be (160MHz)	SDM	MCSS	-7.85	-8.94	-5.35	-0.70	-6.05	-1	-5.05

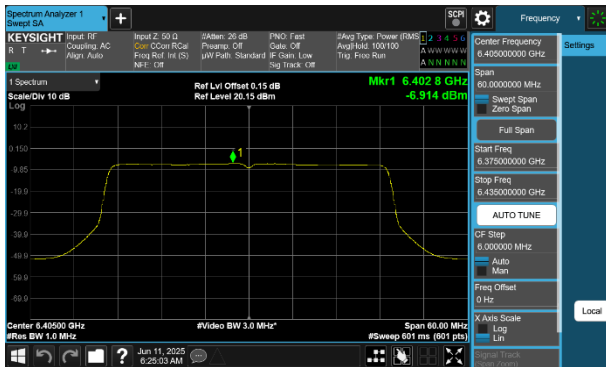
Table 7-67. Power Spectral Density Measurements SDM/CDD Diversity



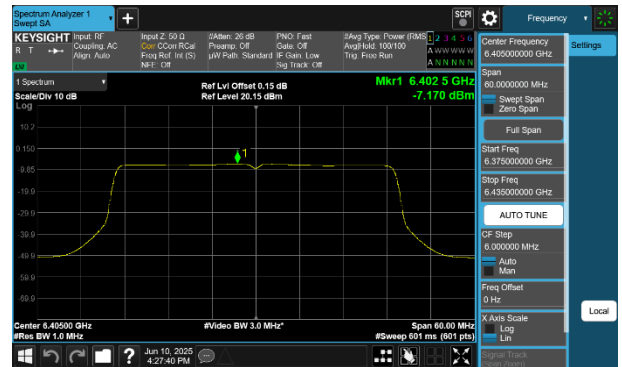
Plot 7-249 PSD CDD Diversity Antenna 4a (20MHz BW 802.11a - Ch.93)



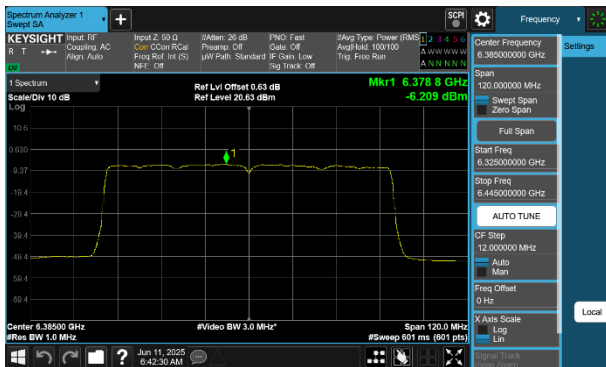
Plot 7-253 PSD CDD Diversity Antenna 2a (20MHz BW 802.11a - Ch.93)



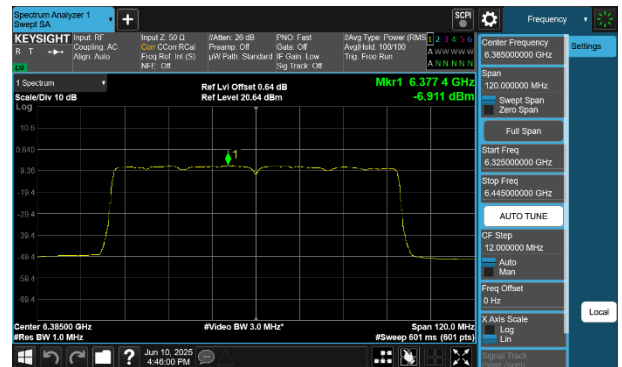
Plot 7-250 PSD SDM Diversity Antenna 4a (40MHz BW 802.11be(SU) - Ch.91)



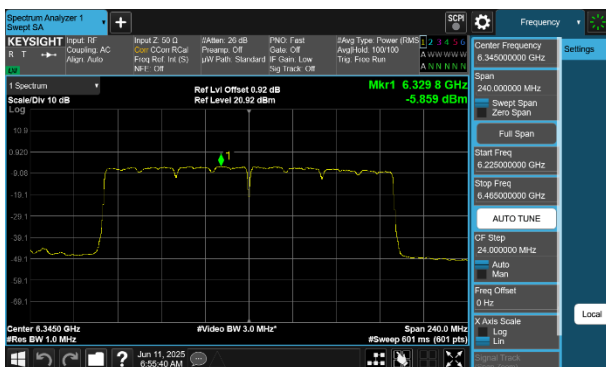
Plot 7-254 PSD SDM Diversity Antenna 2a (40MHz BW 802.11be(SU) - Ch.91)



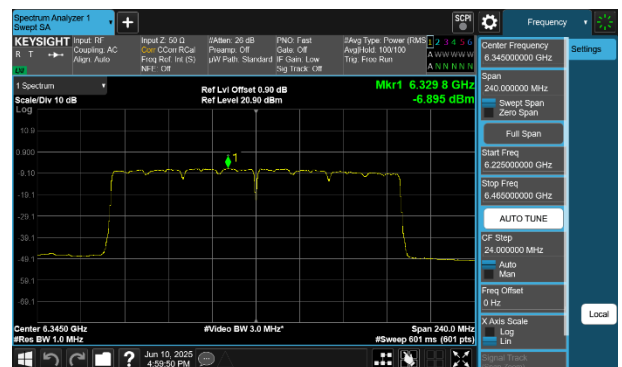
Plot 7-251 PSD SDM Diversity Antenna 4a (80MHz BW 802.11be(SU) - Ch.87)



Plot 7-255 PSD SDM Diversity Antenna 2a (80MHz BW 802.11be(SU) - Ch.87)

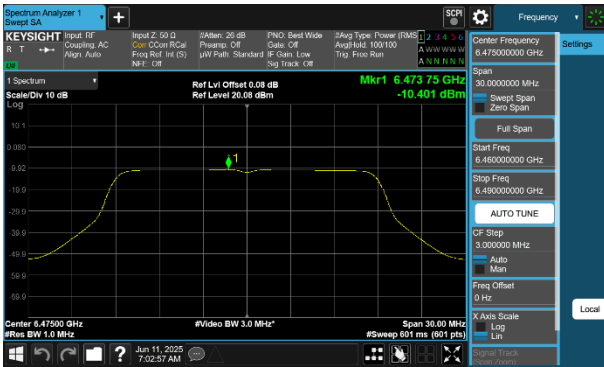


Plot 7-252 PSD SDM Diversity Antenna 4a (160MHz BW 802.11be(SU) - Ch.79)

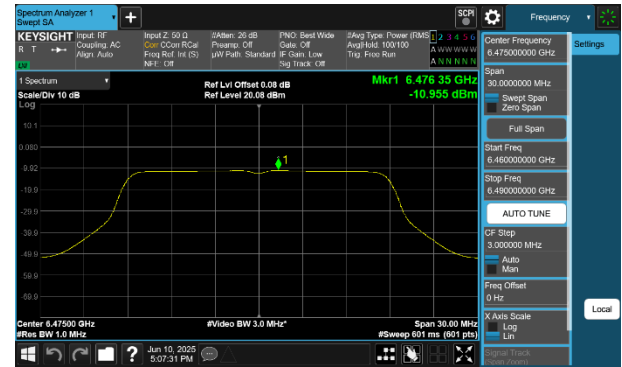


Plot 7-256 PSD SDM Diversity Antenna 2a (160MHz BW 802.11be(SU) - Ch.79)

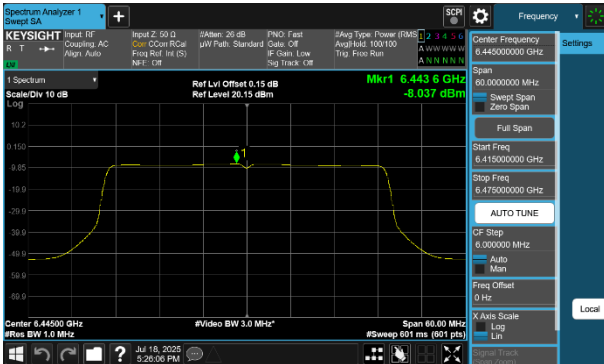
FCC ID: BCGA3361 IC: 579C-A3361			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 102 of 239	



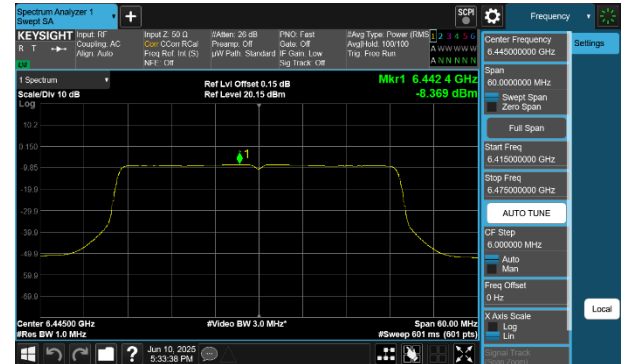
Plot 7-257 PSD CDD Diversity Antenna 4a (20MHz BW 802.11a - Ch.105)



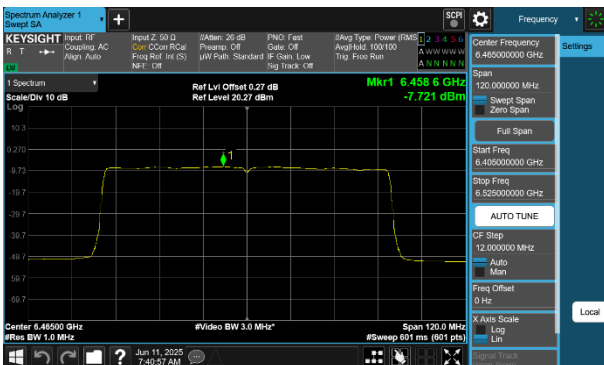
Plot 7-261 PSD CDD Diversity Antenna 2a (20MHz BW 802.11a - Ch.105)



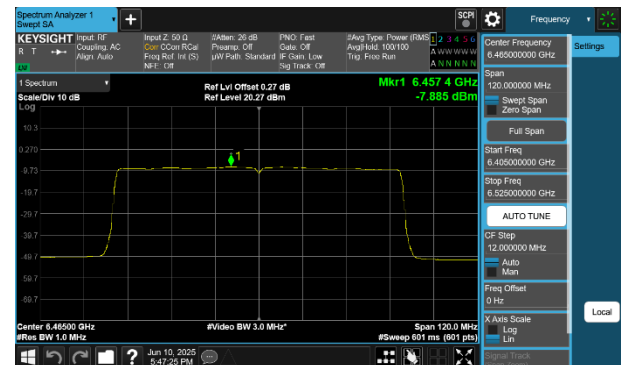
Plot 7-258 PSD SDM Diversity Antenna 4a (40MHz BW 802.11be(SU) - Ch.99)



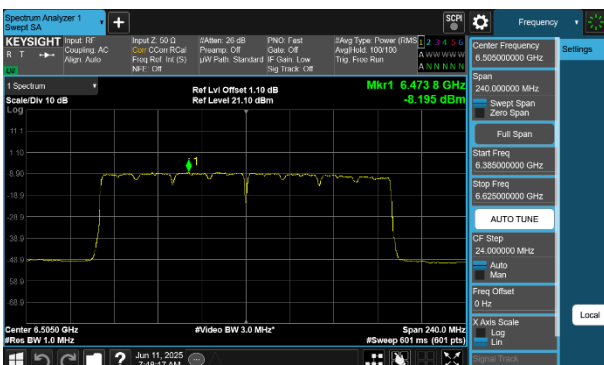
Plot 7-262 PSD SDM Diversity Antenna 2a (40MHz BW 802.11be(SU) - Ch.99)



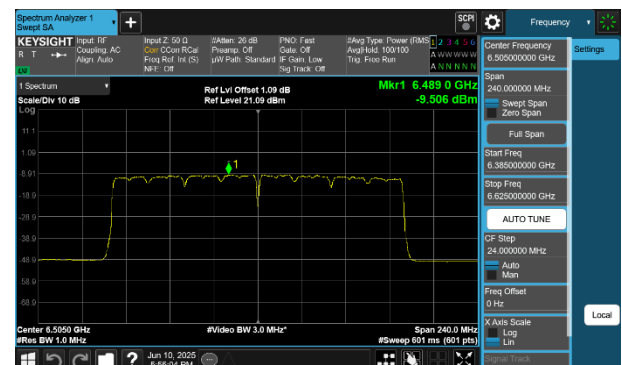
Plot 7-259 PSD SDM Diversity Antenna 4a (80MHz BW 802.11be(SU) - Ch.103)



Plot 7-263 PSD SDM Diversity Antenna 2a (80MHz BW 802.11be(SU) - Ch.103)



Plot 7-260 PSD SDM Diversity Antenna 4a (160MHz BW 802.11be(SU) - Ch.111)

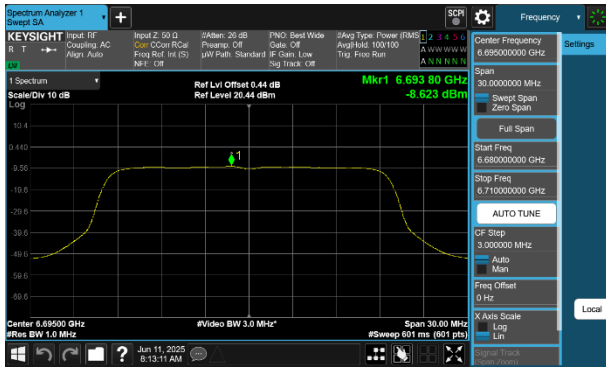


Plot 7-264 PSD SDM Diversity Antenna 2a (160MHz BW 802.11be(SU) - Ch.111)

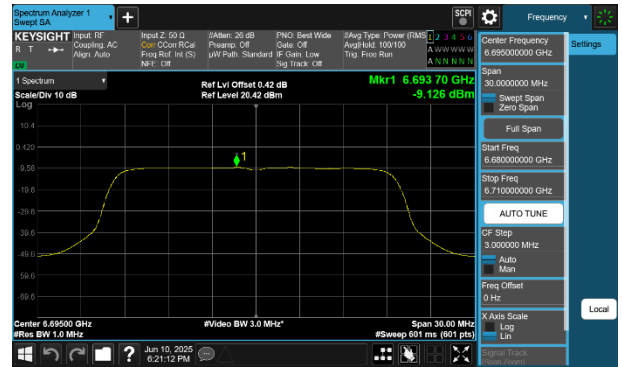
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG			Page 103 of 239

Test Dates:
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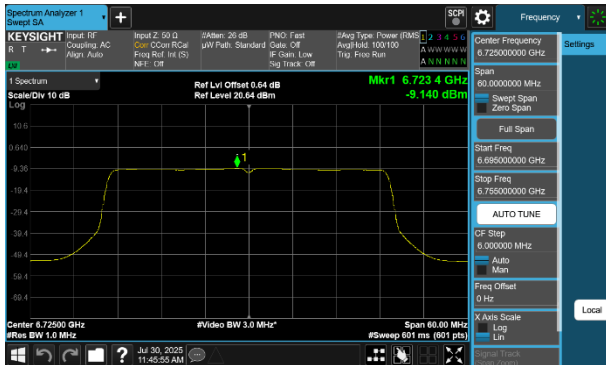
EUT Type:
Tablet Device



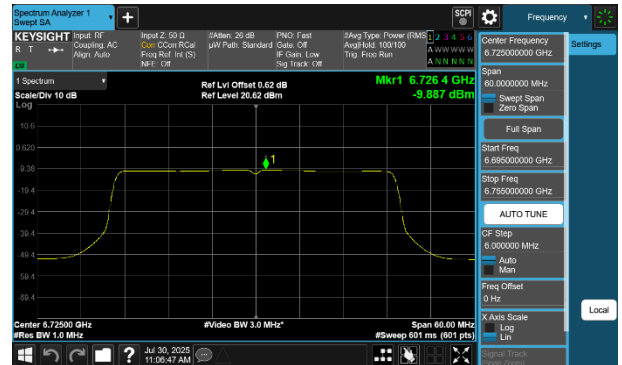
Plot 7-265 PSD SDM Diversity Antenna 4a (20MHz BW 802.11be(SU) - Ch.149)



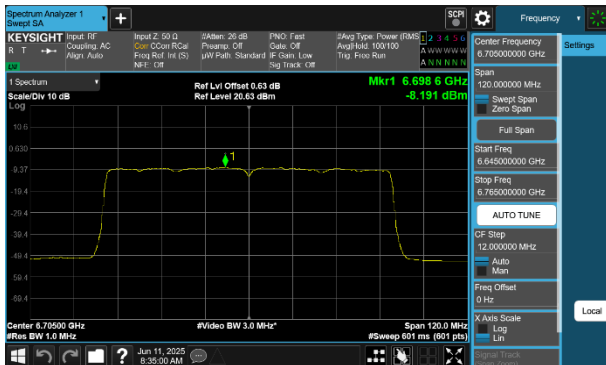
Plot 7-269 PSD SDM Diversity Antenna 2a (20MHz BW 802.11be(SU) - Ch.149)



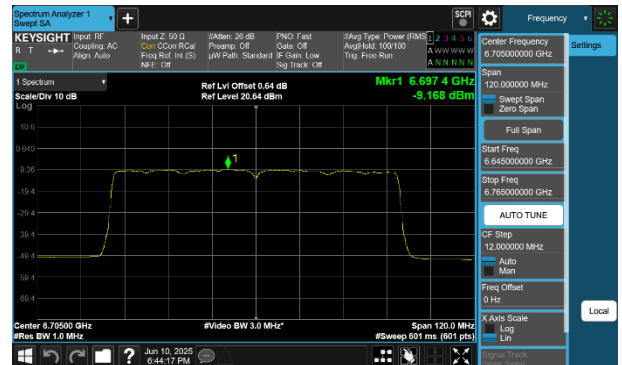
Plot 7-266 PSD SDM Diversity Antenna 4a (40MHz BW 802.11be(SU) - Ch.155)



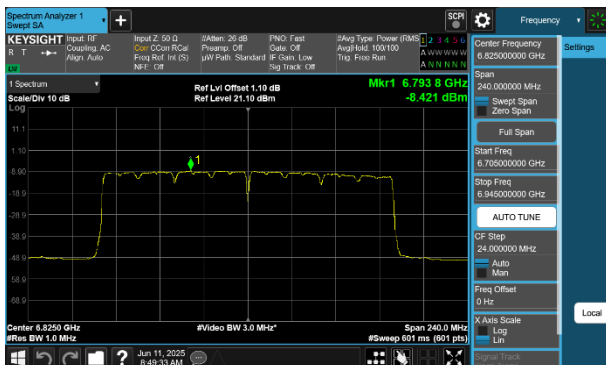
Plot 7-270 PSD SDM Diversity Antenna 2a (40MHz BW 802.11be(SU) - Ch.155)



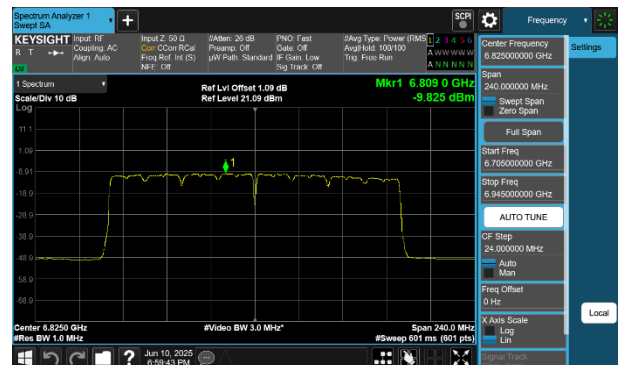
Plot 7-267 PSD SDM Diversity Antenna 4a (80MHz BW 802.11be(SU) - Ch.151)



Plot 7-271 PSD SDM Diversity Antenna 2a (80MHz BW 802.11be(SU) - Ch.151)

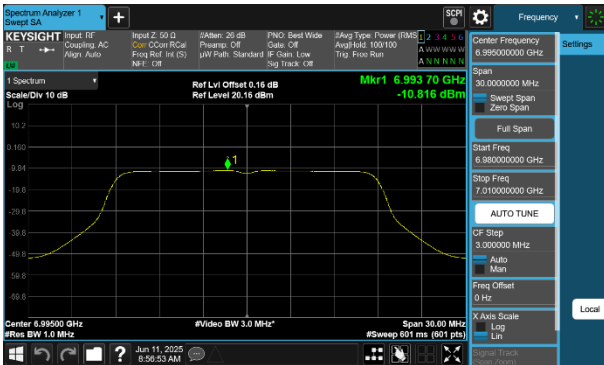


Plot 7-268 PSD SDM Diversity Antenna 4a (160MHz BW 802.11be(SU) - Ch.175)

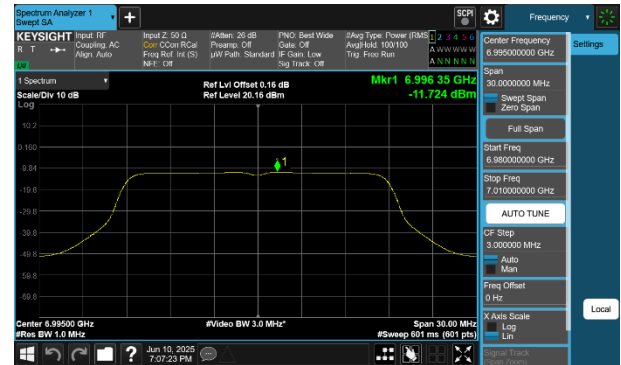


Plot 7-272 PSD SDM Diversity Antenna 2a (160MHz BW 802.11be(SU) - Ch.175)

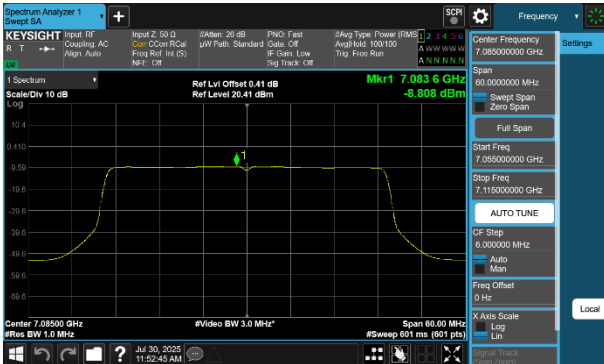
FCC ID: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 104 of 239



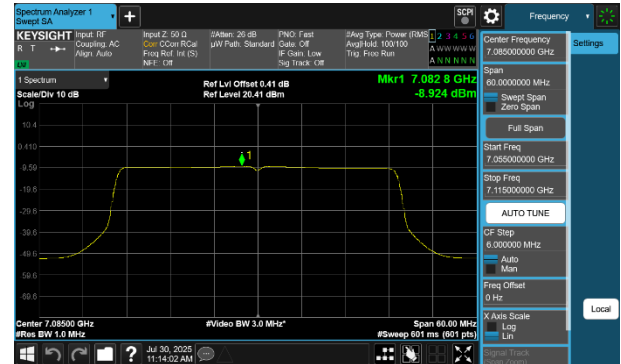
Plot 7-273 PSD CDD Diversity Antenna 4a (20MHz BW 802.11a - Ch.209)



Plot 7-277 PSD CDD Diversity Antenna 2a (20MHz BW 802.11a - Ch.209)



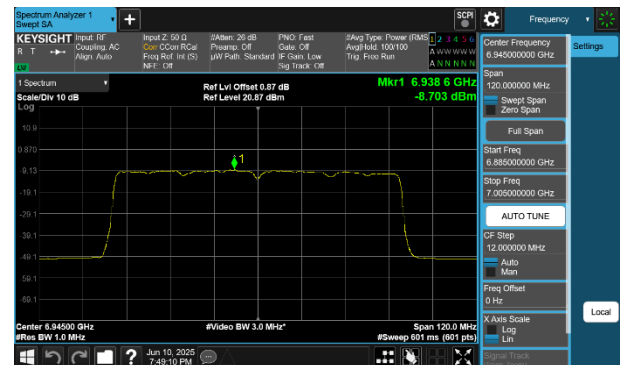
Plot 7-274 PSD SDM Diversity Antenna 4a (40MHz BW 802.11be(SU) - Ch.227)



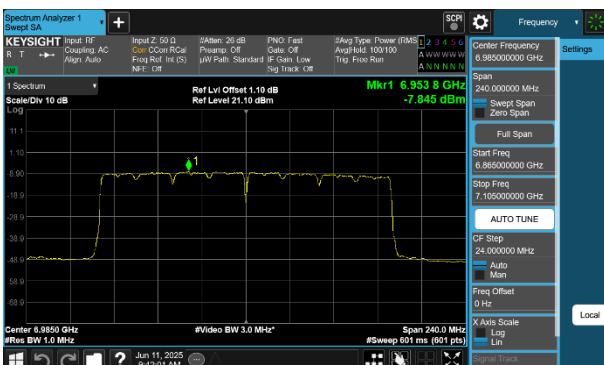
Plot 7-278 PSD SDM Diversity Antenna 2a (40MHz BW 802.11be(SU) - Ch.227)



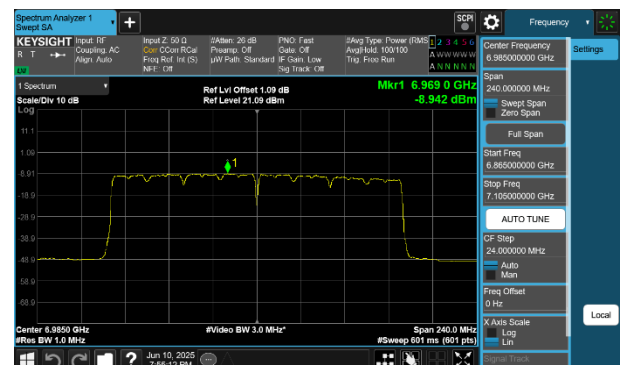
Plot 7-275 PSD SDM Diversity Antenna 4a (80MHz BW 802.11be(SU) - Ch.199)



Plot 7-279 PSD SDM Diversity Antenna 2a (80MHz BW 802.11be(SU) - Ch.199)



Plot 7-276 PSD SDM Diversity Antenna 4a (160MHz BW 802.11be(SU) - Ch.207)



Plot 7-280 PSD SDM Diversity Antenna 2a (160MHz BW 802.11be(SU) - Ch.207)

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Note:

Per ANSI C63.10-2020 Section 14.5.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna WF5B and Antenna 4a were first measured separately as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Sample Directional Gain Calculation:

For correlated signals, assuming the antenna gain is 2.2 dBi for Antenna WF5B and 0.1 dBi for Antenna 4a.

$$\begin{aligned}\text{Directional gain} &= 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{2.2/20} + 10^{0.1/20})^2 / 2] \text{ dBi} \\ &= 4.22 \text{ dBi}\end{aligned}$$

For uncorrelated signals, assuming the antenna gain is 2.2 dBi for Antenna WF5B and 0.1 dBi for Antenna 4a.

$$\begin{aligned}\text{Directional gain} &= 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{2.2/10} + 10^{0.1/10}) / 2] \text{ dBi} \\ &= 1.28 \text{ dBi}\end{aligned}$$

Sample SDM Calculation:

At 5955MHz in 802.11be (20MHz BW) mode, the average conducted power spectral density was measured to be -8.29 dBm for Antenna WF5B and -8.47 dBm for Antenna 4a.

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

$$(-8.29 \text{ dBm} + -8.47 \text{ dBm}) = (0.1483 \text{ mW} + 0.1422 \text{ mW}) = 0.2905 \text{ mW} = -5.37 \text{ dBm}$$

Sample e.i.r.p Power Spectral Density Calculation:

At 5955MHz in 802.11be (20MHz BW) mode, the average SDM power density was calculated to be -5.37 dBm with directional gain of 1.28 dBi.

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

$$-5.37 \text{ dBm} + 1.28 \text{ dBi} = -4.09 \text{ dBm}$$

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7.5 In-Band Emissions

§15.407(b)(7), RSS-248 [4.6.2]

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.

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

Test Procedure Used

ANSI C63.10-2020 – Section 12.4.2.2

KDB 987594 D02 v03 – Section J

Test Settings

1. Connect output of the antenna port to a spectrum analyzer or EMI receiver, with appropriate attenuation, as to not damage the instrumentation.
2. Set the reference level of the measuring equipment in accordance with procedure 4.1.6.2 of ANSI C63.10-2020.
3. Measure the 26 dB EBW using the test procedure 12.5.2 of ANSI C63.10-2020. (This will be used to determine the channel edge.)
4. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
 - a) Set the span to encompass the entire 26 dB EBW of the signal.
 - b) Set RBW = same RBW used for 26 dB EBW measurement.
 - c) Set VBW $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - e) Sweep time = auto.
 - f) Detector = RMS (i.e., power averaging)
 - g) Trace average at least 100 traces in power averaging (rms) mode.
 - h) Use the peak search function on the instrument to find the peak of the spectrum.
5. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.
6. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
 - i) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
 - j) Suppressed by 28 dB at one channel bandwidth from the channel center.
 - k) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
7. Adjust the span to encompass the entire mask as necessary.
8. Clear trace.
9. Trace average at least 100 traces in power averaging (rms) mode.
10. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

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Test Setup

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



Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. All data rates and channels (low, mid, and high) were investigated, and tabular data provided. Only the worst-case plots are reported.

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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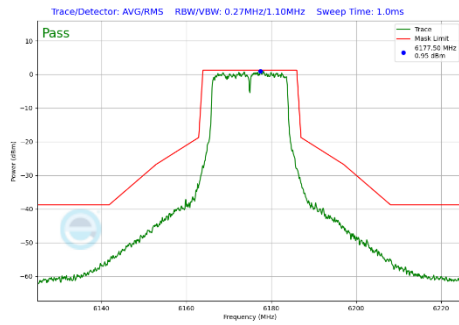
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7.5.1 Antenna WF5B In-Band Emission Measurements – SP

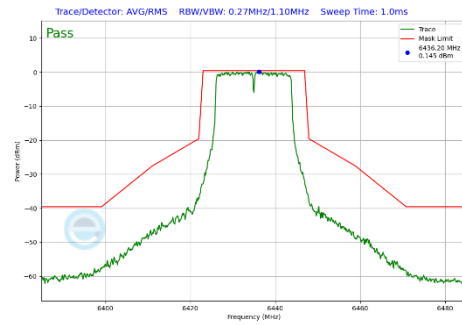
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Antenna WF5B In-Band Emission
Band 5	5955	1	a	6Mbps	Pass
	6175	45	a	36Mbps	Pass
	6415	93	a	36Mbps	Pass
	5955	1	be (20MHz)	MCS0	Pass
	6175	45	be (20MHz)	MCS3	Pass
	6415	93	be (20MHz)	MCS3	Pass
	5965	3	be (40MHz)	MCS0	Pass
	6165	43	be (40MHz)	MCS0	Pass
	6405	91	be (40MHz)	MCS0	Pass
	5985	7	be (80MHz)	MCS0	Pass
	6145	39	be (80MHz)	MCS0	Pass
	6385	87	be (80MHz)	MCS0	Pass
	6025	15	be (160MHz)	MCS0	Pass
	6185	47	be (160MHz)	MCS0	Pass
	6345	79	be (160MHz)	MCS0	Pass
Band 6	6435	97	a	6Mbps	Pass
	6475	105	a	6Mbps	Pass
	6515	113	a	6Mbps	Pass
	6435	97	be (20MHz)	MCS3	Pass
	6475	105	be (20MHz)	MCS3	Pass
	6515	113	be (20MHz)	MCS3	Pass
	6445	99	be (40MHz)	MCS0	Pass
	6485	107	be (40MHz)	MCS0	Pass
	6525	115	be (40MHz)	MCS5	Pass
	6465	103	be (80MHz)	MCS0	Pass
	6505	111	be (160MHz)	MCS0	Pass
Band 7	6535	117	a	6Mbps	Pass
	6695	149	a	6Mbps	Pass
	6855	181	a	12Mbps	Pass
	6535	117	be (20MHz)	MCS3	Pass
	6695	149	be (20MHz)	MCS3	Pass
	6855	181	be (20MHz)	MCS0	Pass
	6565	123	be (40MHz)	MCS5	Pass
	6725	155	be (40MHz)	MCS0	Pass
	6845	179	be (40MHz)	MCS3	Pass
	6545	119	be (80MHz)	MCS0	Pass
	6705	151	be (80MHz)	MCS0	Pass
	6785	167	be (80MHz)	MCS0	Pass
	6665	143	be (160MHz)	MCS0	Pass

Table 7-68. In-Band Emission Measurements Antenna WF5B

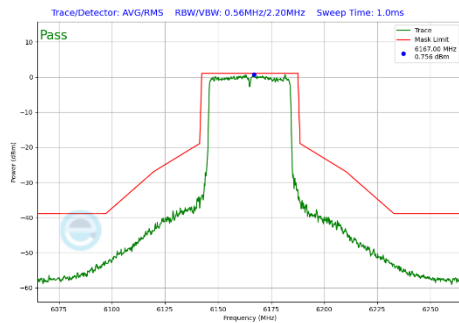
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 109 of 239



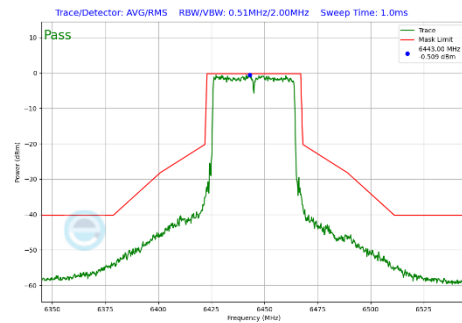
Plot 7-281 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11a (UNII Band 5) - Ch.45)



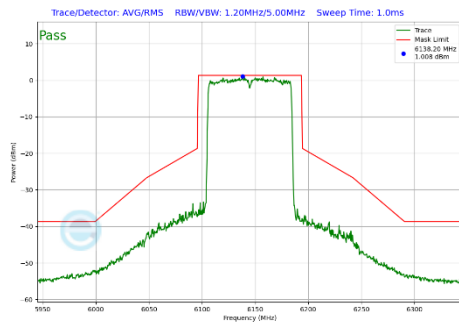
Plot 7-285 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11a (UNII Band 6) - Ch.97)



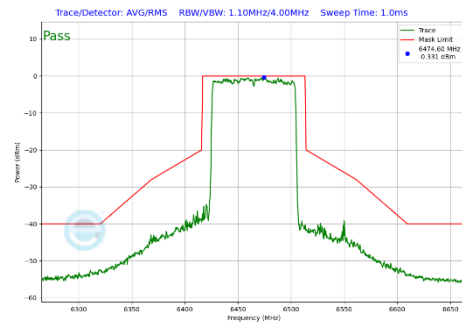
Plot 7-282 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.43)



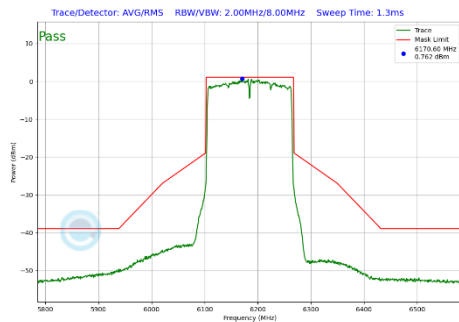
Plot 7-286 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.99)



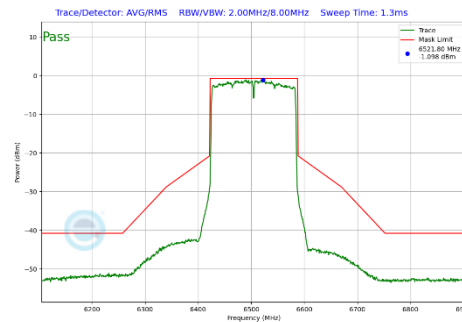
Plot 7-283 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.39)



Plot 7-287 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)

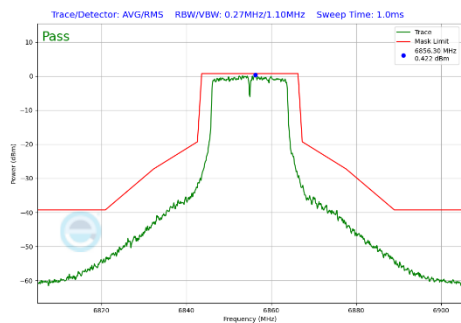


Plot 7-284 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.47)

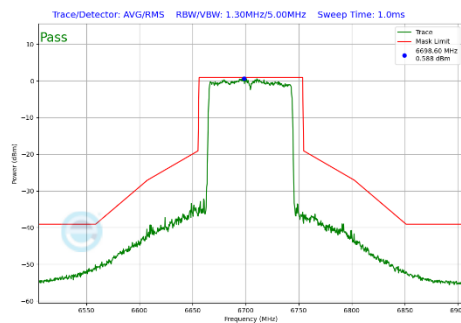


Plot 7-288 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

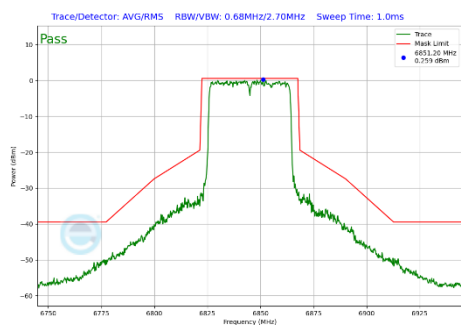
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 110 of 239



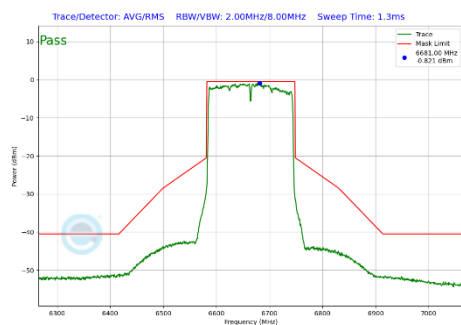
Plot 7-289 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11a (UNII Band 7) - Ch.181)



Plot 7-291 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.151)



Plot 7-290 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.179)



Plot 7-292 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)

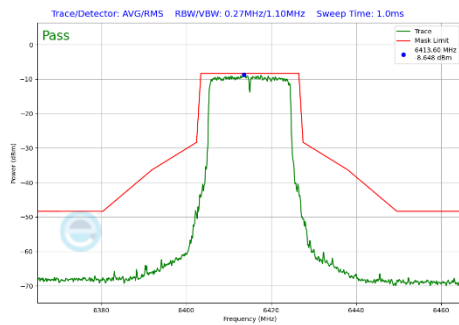
FCC ID: BCGA3361 IC: 579C-A3361			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device		Page 111 of 239

7.5.2 Antenna WF5B In-Band Emission Measurements – LPI

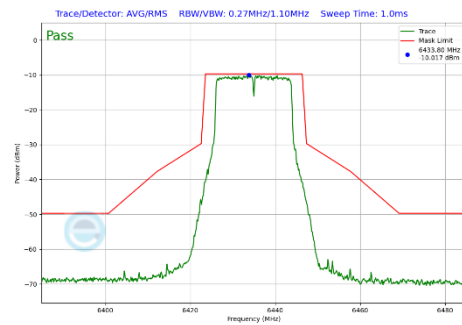
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Antenna WF5B In-Band Emission
Band 5	5955	1	a	36Mbps	Pass
	6175	45	a	12Mbps	Pass
	6415	93	a	36Mbps	Pass
	5955	1	be (20MHz)	MCS3	Pass
	6175	45	be (20MHz)	MCS5	Pass
	6415	93	be (20MHz)	MCS0	Pass
	5965	3	be (40MHz)	MCS5	Pass
	6165	43	be (40MHz)	MCS0	Pass
	6405	91	be (40MHz)	MCS3	Pass
	5985	7	be (80MHz)	MCS0	Pass
	6145	39	be (80MHz)	MCS0	Pass
	6385	87	be (80MHz)	MCS5	Pass
	6025	15	be (160MHz)	MCS5	Pass
	6185	47	be (160MHz)	MCS0	Pass
	6345	79	be (160MHz)	MCS5	Pass
Band 6	6435	97	a	6Mbps	Pass
	6475	105	a	6Mbps	Pass
	6515	113	a	36Mbps	Pass
	6435	97	be (20MHz)	MCS5	Pass
	6475	105	be (20MHz)	MCS3	Pass
	6515	113	be (20MHz)	MCS0	Pass
	6445	99	be (40MHz)	MCS0	Pass
	6485	107	be (40MHz)	MCS0	Pass
	6525	115	be (40MHz)	MCS5	Pass
	6465	103	be (80MHz)	MCS5	Pass
Band 7	6505	111	be (160MHz)	MCS5	Pass
	6535	117	a	36Mbps	Pass
	6695	149	a	12Mbps	Pass
	6875	185	a	6Mbps	Pass
	6535	117	be (20MHz)	MCS0	Pass
	6695	149	be (20MHz)	MCS5	Pass
	6875	185	be (20MHz)	MCS5	Pass
	6565	123	be (40MHz)	MCS5	Pass
	6725	155	be (40MHz)	MCS5	Pass
	6845	179	be (40MHz)	MCS3	Pass
	6545	119	be (80MHz)	MCS0	Pass
	6705	151	be (80MHz)	MCS5	Pass
	6865	183	be (80MHz)	MCS5	Pass
Band 8	6665	143	be (160MHz)	MCS0	Pass
	6825	175	be (160MHz)	MCS5	Pass
	6895	189	a	36Mbps	Pass
	6995	209	a	36Mbps	Pass
	7115	233	a	12Mbps	Pass
	6895	189	be (20MHz)	MCS5	Pass
	6995	209	be (20MHz)	MCS3	Pass
	7115	233	be (20MHz)	MCS0	Pass
	6885	187	be (40MHz)	MCS3	Pass
	7005	211	be (40MHz)	MCS0	Pass
	7085	227	be (40MHz)	MCS3	Pass
	6945	199	be (80MHz)	MCS5	Pass
	7025	215	be (80MHz)	MCS5	Pass
	6985	207	be (160MHz)	MCS5	Pass

Table 7-69. In-Band Emission Measurements Antenna WF5B

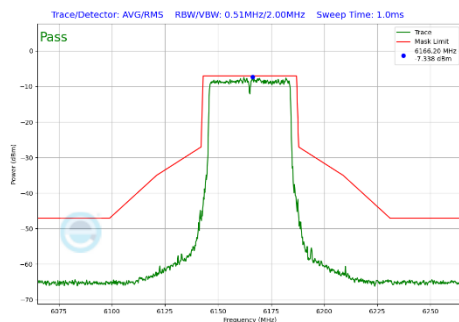
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 112 of 239



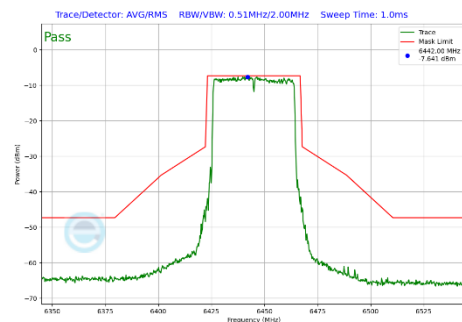
Plot 7-293 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11be(SU) (UNII Band 5) - Ch.93)



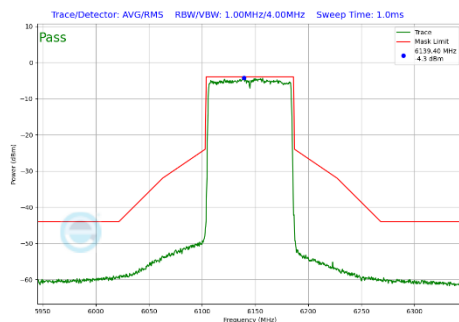
Plot 7-297 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11a (UNII Band 6) - Ch.97)



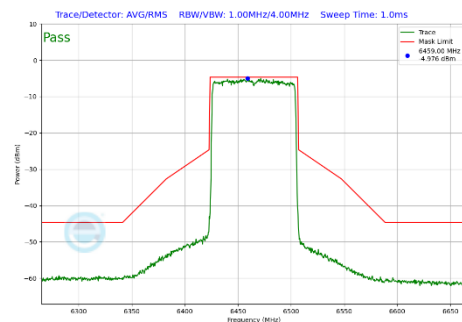
Plot 7-294 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.43)



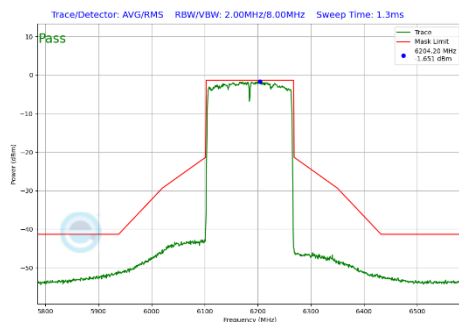
Plot 7-298 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.99)



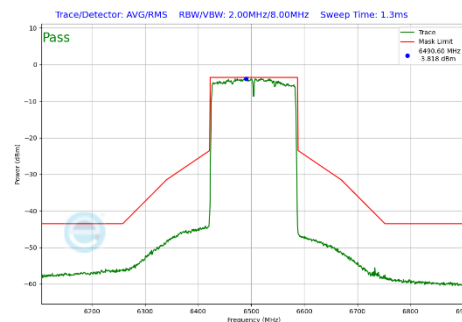
Plot 7-295 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.39)



Plot 7-299 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)



Plot 7-296 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.47)



Plot 7-300 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-24-R1.BCG	Test Dates: 5/12/2025 - 8/27/2025	EUT Type: Tablet Device	Page 113 of 239