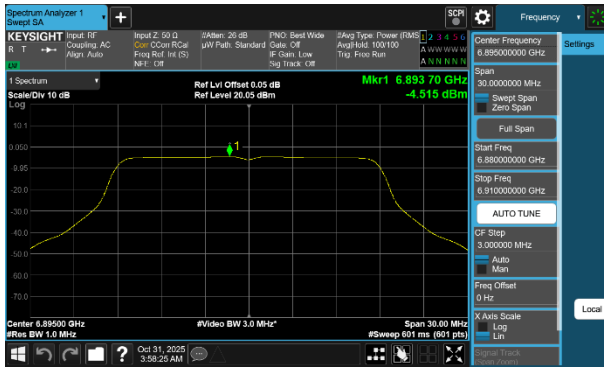
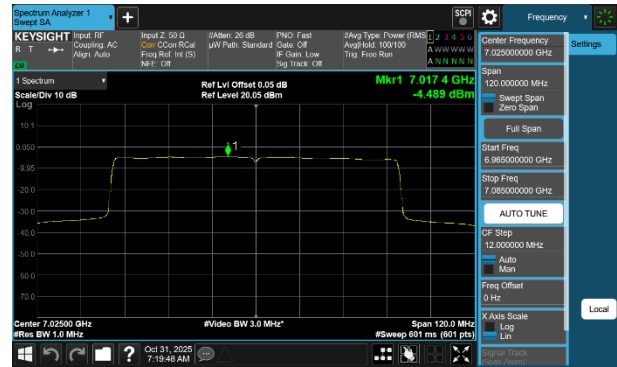
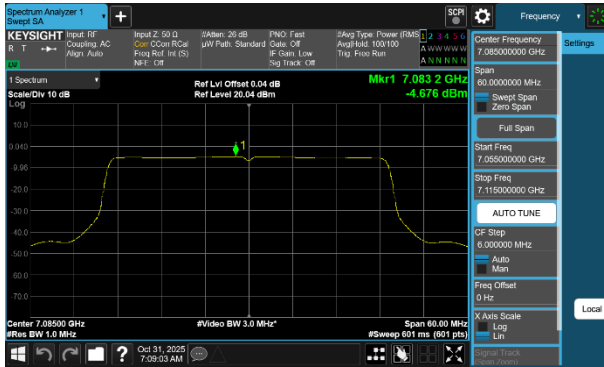




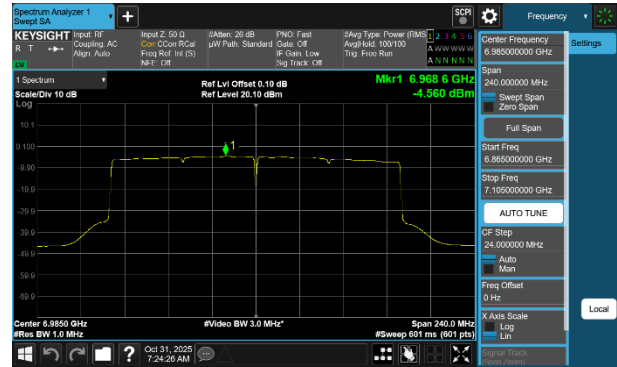
Plot 7-81 PSD Antenna WF8 (20MHz BW 802.11a - Ch.189)



Plot 7-83 PSD Antenna WF8 (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-82 PSD Antenna WF8 (40MHz BW 802.11be(SU) - Ch.227)



Plot 7-84 PSD Antenna WF8 (160MHz BW 802.11be(SU) - Ch.207)

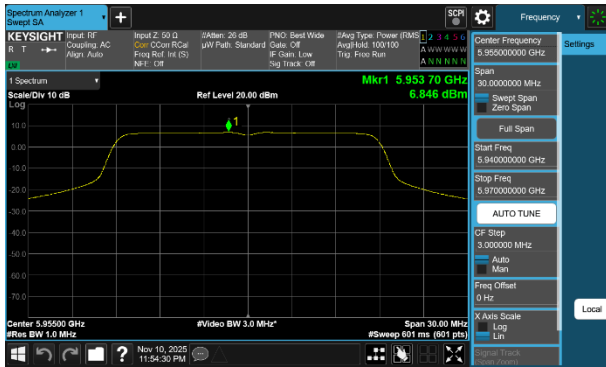
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 60 of 180

7.4.3 Antenna WF7a Power Spectral Density Measurements – SP

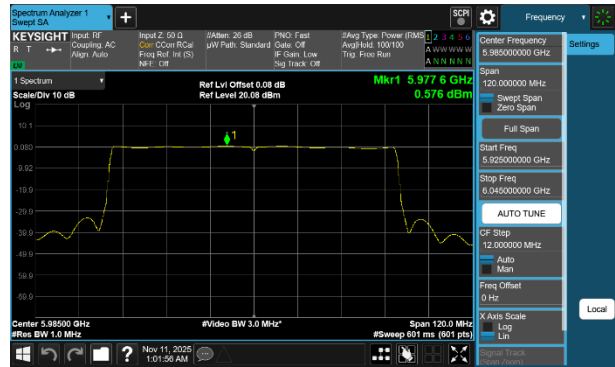
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	36Mbps	6.85	4.20	11.05	17	-5.95
	6175	45	a	12Mbps	7.60	3.10	10.70	17	-6.31
	6415	93	a	36Mbps	6.88	3.50	10.38	17	-6.62
	5955	1	be (20MHz)	MCS0	6.44	4.20	10.64	17	-6.36
	6175	45	be (20MHz)	MCS0	6.97	3.10	10.07	17	-6.93
	6415	93	be (20MHz)	MCS0	6.79	3.50	10.29	17	-6.71
	5965	3	be (40MHz)	MCS3	3.58	4.20	7.78	17	-9.22
	6165	43	be (40MHz)	MCS3	4.22	3.10	7.32	17	-9.69
	6405	91	be (40MHz)	MCS3	3.75	3.50	7.25	17	-9.75
	5985	7	be (80MHz)	MCS0	0.58	4.20	4.78	17	-12.22
	6145	39	be (80MHz)	MCS5	1.22	3.10	4.32	17	-12.69
	6385	87	be (80MHz)	MCS0	0.72	3.50	4.22	17	-12.78
	6025	15	be (160MHz)	MCS5	-1.81	4.20	2.39	17	-14.61
	6185	47	be (160MHz)	MCS5	-1.36	3.10	1.74	17	-15.26
Band 6	6345	79	be (160MHz)	MCS5	-1.80	3.50	1.70	17	-15.30
	6435	97	a	12Mbps	6.47	4.20	10.67	17	-6.33
	6475	105	a	6Mbps	6.37	4.20	10.57	17	-6.43
	6515	113	a	12Mbps	6.61	4.20	10.81	17	-6.19
	6435	97	be (20MHz)	MCS3	6.07	4.20	10.27	17	-6.73
	6475	105	be (20MHz)	MCS0	6.03	4.20	10.23	17	-6.77
	6515	113	be (20MHz)	MCS0	6.24	4.20	10.44	17	-6.56
	6445	99	be (40MHz)	MCS3	2.96	4.20	7.16	17	-9.84
	6485	107	be (40MHz)	MCS5	3.15	4.20	7.35	17	-9.65
	6525	115	be (40MHz)	MCS5	3.39	4.20	7.59	17	-9.41
	6465	103	be (80MHz)	MCS5	0.22	4.20	4.42	17	-12.58
	6505	111	be (160MHz)	MCS5	-2.44	4.20	1.76	17	-15.24
Band 7	6535	117	a	6Mbps	6.59	3.10	9.69	17	-7.31
	6695	149	a	12Mbps	6.98	3.10	10.08	17	-6.93
	6855	181	a	12Mbps	7.12	3.10	10.22	17	-6.78
	6535	117	be (20MHz)	MCS0	5.99	3.10	9.09	17	-7.91
	6695	149	be (20MHz)	MCS0	6.48	3.10	9.58	17	-7.42
	6855	181	be (20MHz)	MCS0	6.48	3.10	9.58	17	-7.42
	6725	155	be (40MHz)	MCS5	3.59	3.10	6.69	17	-10.31
	6845	179	be (40MHz)	MCS3	3.64	3.10	6.74	17	-10.26
	6545	119	be (80MHz)	MCS3	0.60	3.10	3.70	17	-13.30
	6705	151	be (80MHz)	MCS5	0.71	3.10	3.81	17	-13.19
	6785	167	be (80MHz)	MCS0	1.05	3.10	4.15	17	-12.85
	6665	143	be (160MHz)	MCS5	-1.88	3.10	1.22	17	-15.78

Table 7-38. Power Spectral Density Measurements Antenna WF7a

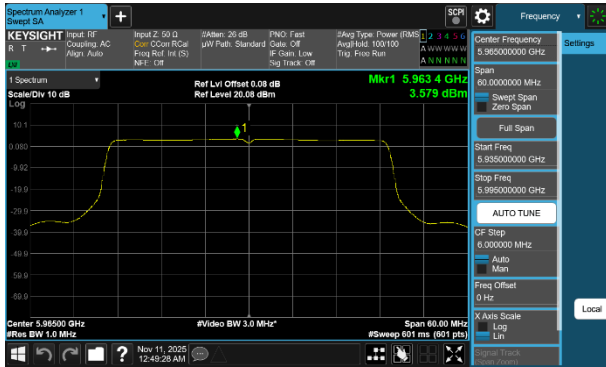
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 61 of 180



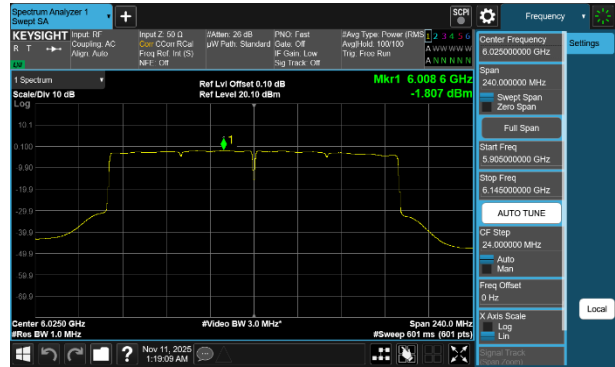
Plot 7-85 PSD Antenna WF7a (20MHz BW 802.11a - Ch.1)



Plot 7-87 PSD Antenna WF7a (80MHz BW 802.11be(SU) - Ch.7)

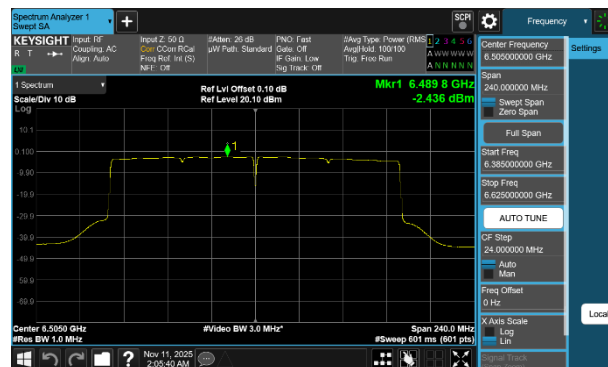
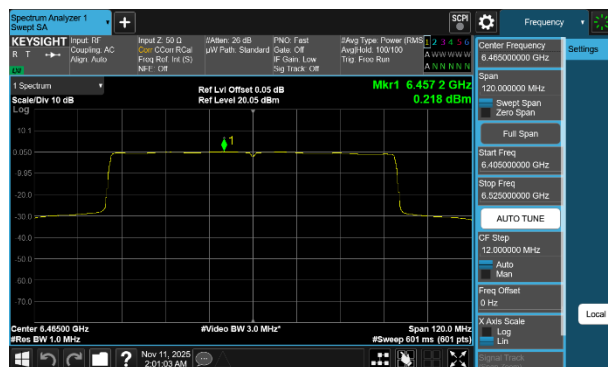
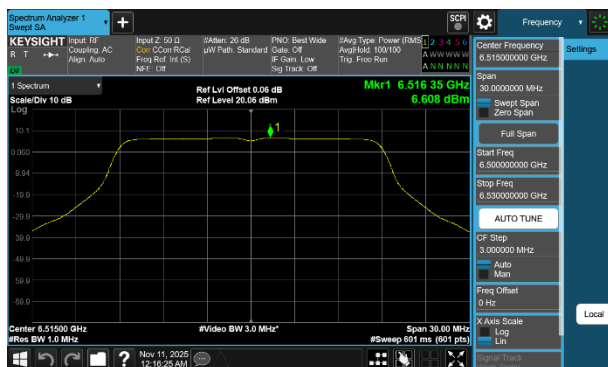


Plot 7-86 PSD Antenna WF7a (40MHz BW 802.11be(SU) - Ch.3)

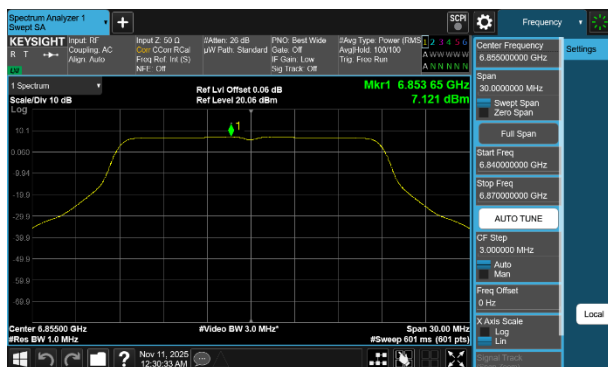


Plot 7-88 PSD Antenna WF7a (160MHz BW 802.11be(SU) - Ch.15)

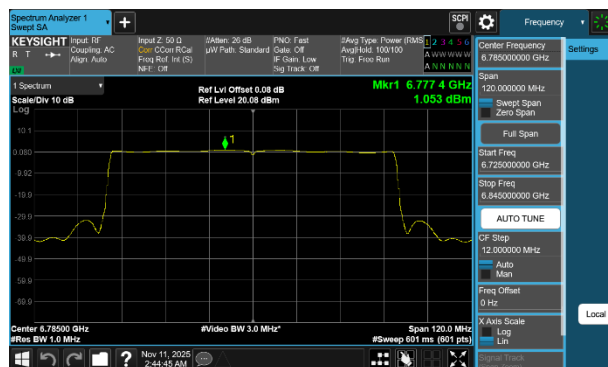
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 62 of 180



FCC ID: BCGA3459 IC: 579C-A3459			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device		Page 63 of 180



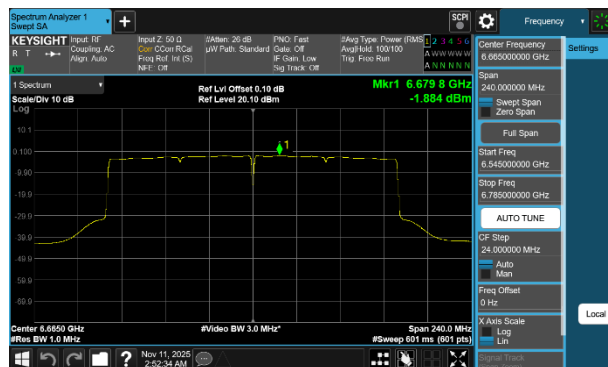
Plot 7-93 PSD Antenna WF7a (20MHz BW 802.11a - Ch.181)



Plot 7-95 PSD Antenna WF7a (80MHz BW 802.11be(SU) - Ch.167)



Plot 7-94 PSD Antenna WF7a (40MHz BW 802.11be(SU) - Ch.179)



Plot 7-96 PSD Antenna WF7a (160MHz BW 802.11be(SU) - Ch.143)

FCC ID: BCGA3459 IC: 579C-A3459	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 64 of 180

7.4.4 Antenna WF7a Power Spectral Density Measurements – LPI

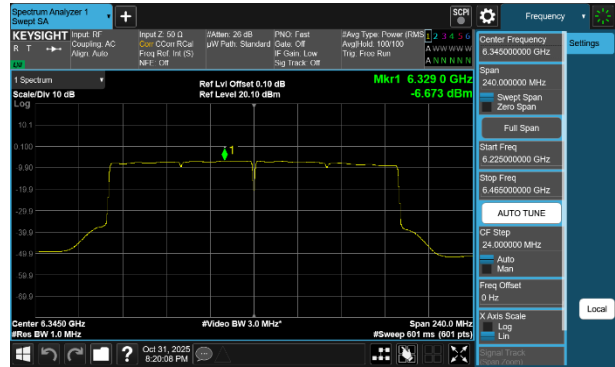
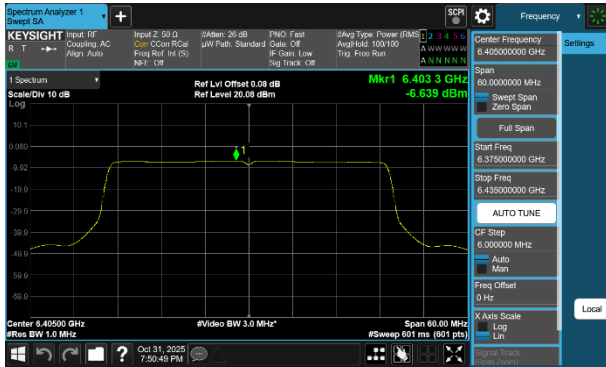
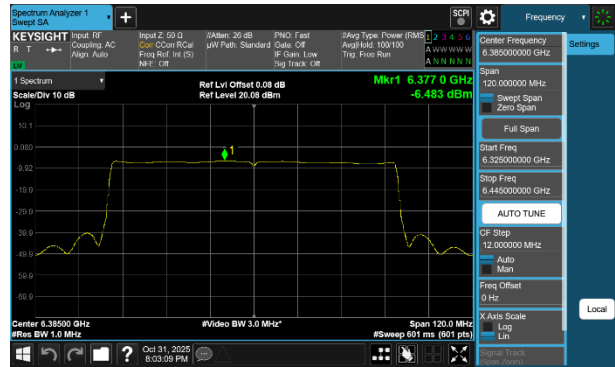
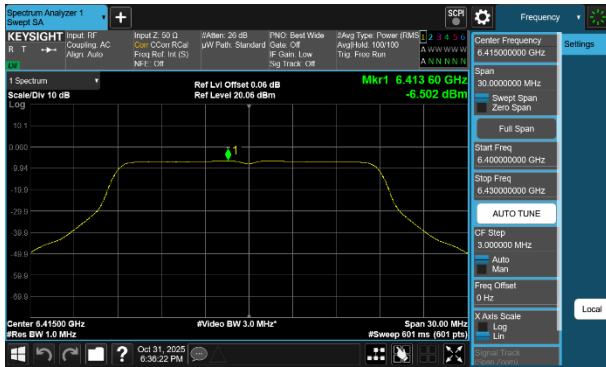
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	6Mbps	-7.77	4.20	-3.57	-1	-2.57
	6175	45	a	12Mbps	-6.67	3.10	-3.57	-1	-2.57
	6415	93	a	12Mbps	-6.50	3.50	-3.00	-1	-2.00
	5955	1	be (20MHz)	MCS0	-8.07	4.20	-3.87	-1	-2.87
	6175	45	be (20MHz)	MCS0	-7.03	3.10	-3.93	-1	-2.93
	6415	93	be (20MHz)	MCS3	-6.69	3.50	-3.19	-1	-2.19
	5965	3	be (40MHz)	MCS3	-8.31	4.20	-4.11	-1	-3.11
	6165	43	be (40MHz)	MCS0	-6.69	3.10	-3.59	-1	-2.59
	6405	91	be (40MHz)	MCS3	-6.64	3.50	-3.14	-1	-2.14
	5985	7	be (80MHz)	MCS0	-8.16	4.20	-3.96	-1	-2.96
	6145	39	be (80MHz)	MCS0	-6.57	3.10	-3.47	-1	-2.47
	6385	87	be (80MHz)	MCS0	-6.48	3.50	-2.98	-1	-1.98
Band 6	6025	15	be (160MHz)	MCS5	-7.54	4.20	-3.34	-1	-2.34
	6185	47	be (160MHz)	MCS5	-6.70	3.10	-3.60	-1	-2.60
	6345	79	be (160MHz)	MCS5	-6.67	3.50	-3.17	-1	-2.17
	6435	97	a	12Mbps	-7.12	4.20	-2.92	-1	-1.92
	6475	105	a	12Mbps	-7.12	4.20	-2.92	-1	-1.92
	6515	113	a	36Mbps	-7.32	4.20	-3.12	-1	-2.12
	6435	97	be (20MHz)	MCS0	-7.21	4.20	-3.01	-1	-2.01
	6475	105	be (20MHz)	MCS0	-7.20	4.20	-3.00	-1	-2.00
	6515	113	be (20MHz)	MCS0	-7.42	4.20	-3.22	-1	-2.22
	6445	99	be (40MHz)	MCS5	-6.92	4.20	-2.72	-1	-1.72
	6485	107	be (40MHz)	MCS5	-7.31	4.20	-3.11	-1	-2.11
	6525	115	be (40MHz)	MCS0	-7.26	4.20	-3.06	-1	-2.06
Band 7	6465	103	be (80MHz)	MCS5	-7.06	4.20	-2.86	-1	-1.86
	6505	111	be (160MHz)	MCS5	-6.99	4.20	-2.79	-1	-1.79
	6535	117	a	36Mbps	-6.26	3.10	-3.16	-1	-2.16
	6695	149	a	12Mbps	-5.96	3.10	-2.86	-1	-1.86
	6875	185	a	6Mbps	-6.39	3.10	-3.29	-1	-2.29
	6535	117	be (20MHz)	MCS0	-6.59	3.10	-3.49	-1	-2.49
	6695	149	be (20MHz)	MCS0	-6.35	3.10	-3.25	-1	-2.25
	6875	185	be (20MHz)	MCS0	-6.73	3.10	-3.63	-1	-2.63
	6565	123	be (40MHz)	MCS0	-6.30	3.10	-3.20	-1	-2.20
	6725	155	be (40MHz)	MCS3	-6.19	3.10	-3.09	-1	-2.09
	6845	179	be (40MHz)	MCS3	-6.25	3.10	-3.15	-1	-2.15
	6545	119	be (80MHz)	MCS0	-7.32	3.10	-4.22	-1	-3.22
Band 8	6705	151	be (80MHz)	MCS5	-5.94	3.10	-2.84	-1	-1.84
	6865	183	be (80MHz)	MCS0	-6.15	3.10	-3.05	-1	-2.05
	6665	143	be (160MHz)	MCS5	-6.05	3.10	-2.95	-1	-1.95
	6825	175	be (160MHz)	MCS0	-6.06	3.10	-2.96	-1	-1.96
	6895	189	a	6Mbps	-4.25	0.90	-3.35	-1	-2.35
	6995	209	a	6Mbps	-4.08	0.90	-3.18	-1	-2.18
	7115	233	a	12Mbps	-4.95	0.90	-4.05	-1	-3.05
	6895	189	be (20MHz)	MCS0	-4.55	0.90	-3.65	-1	-2.65
	6995	209	be (20MHz)	MCS0	-4.36	0.90	-3.46	-1	-2.46
	7115	233	be (20MHz)	MCS0	-5.07	0.90	-4.17	-1	-3.17
	6885	187	be (40MHz)	MCS3	-6.27	0.90	-5.37	-1	-4.37
	7005	211	be (40MHz)	MCS0	-4.03	0.90	-3.13	-1	-2.13
	7085	227	be (40MHz)	MCS0	-4.40	0.90	-3.50	-1	-2.50
	6945	199	be (80MHz)	MCS0	-4.04	0.90	-3.14	-1	-2.14
	7025	215	be (80MHz)	MCS0	-3.69	0.90	-2.79	-1	-1.79
	6985	207	be (160MHz)	MCS3	-3.72	0.90	-2.82	-1	-1.82

Table 7-39. Power Spectral Density Measurements Antenna WF7a

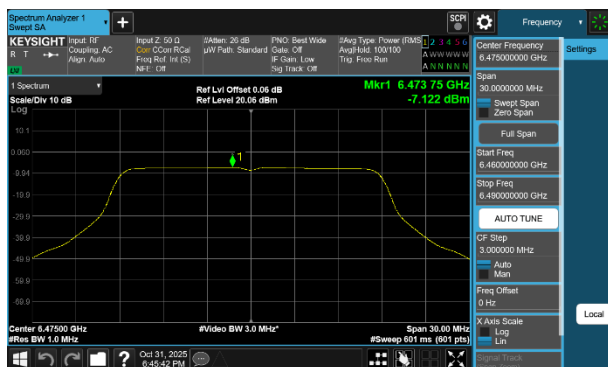
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 65 of 180

V 11.0 5/2025

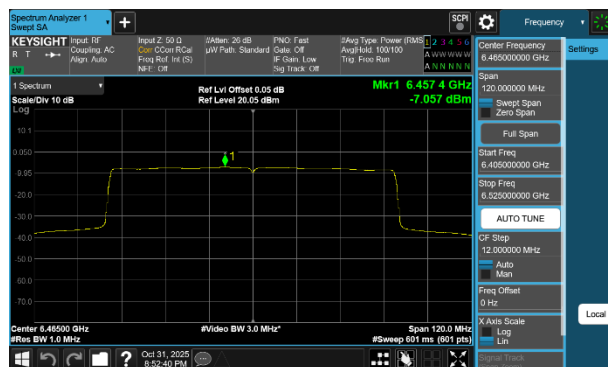
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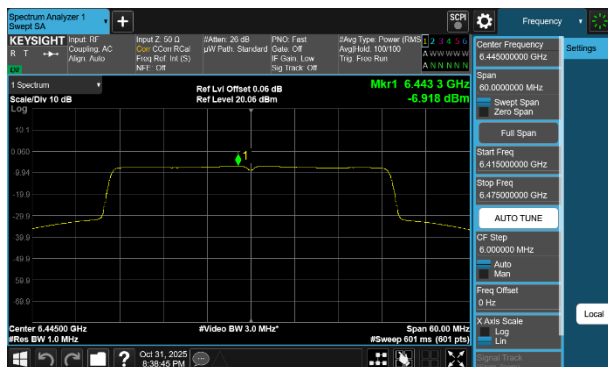
FCC ID: BCGA3459 IC: 579C-A3459	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 66 of 180



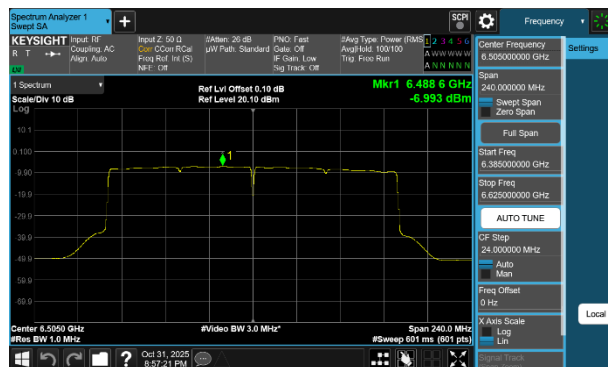
Plot 7-101 PSD Antenna WF7a (20MHz BW 802.11a - Ch.105)



Plot 7-103 PSD Antenna WF7a (80MHz BW 802.11be(SU) - Ch.103)

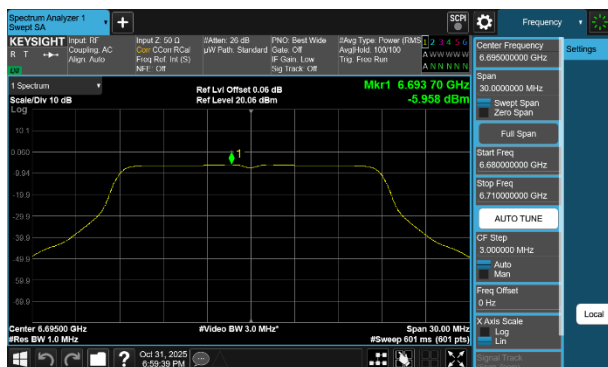


Plot 7-102 PSD Antenna WF7a (40MHz BW 802.11be(SU) - Ch.99)

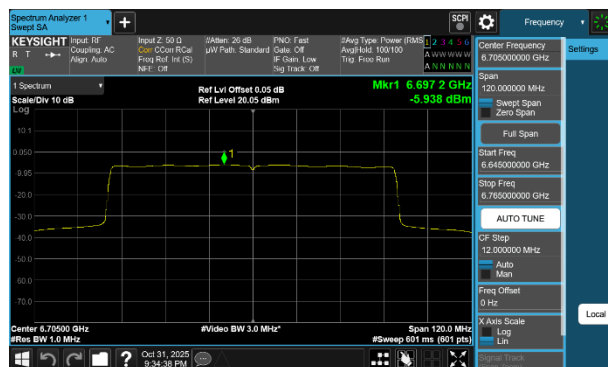


Plot 7-104 PSD Antenna WF7a (160MHz BW 802.11be(SU) - Ch.111)

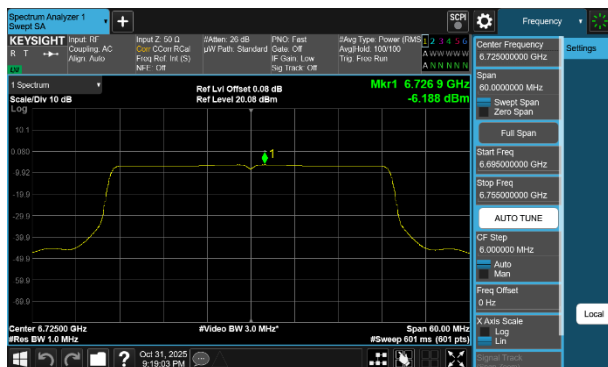
FCC ID: BCGA3459 IC: 579C-A3459	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 67 of 180



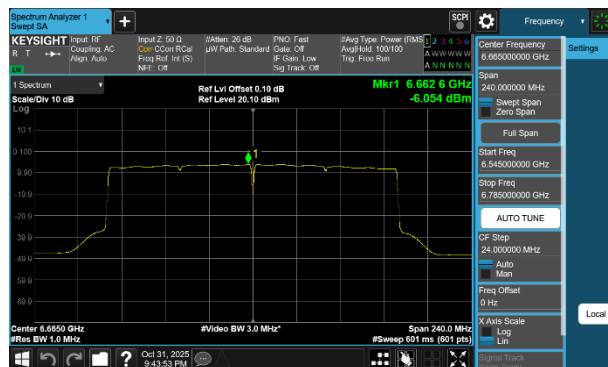
Plot 7-105 PSD Antenna WF7a (20MHz BW 802.11a - Ch.149)



Plot 7-107 PSD Antenna WF7a (80MHz BW 802.11be(SU) - Ch.151)

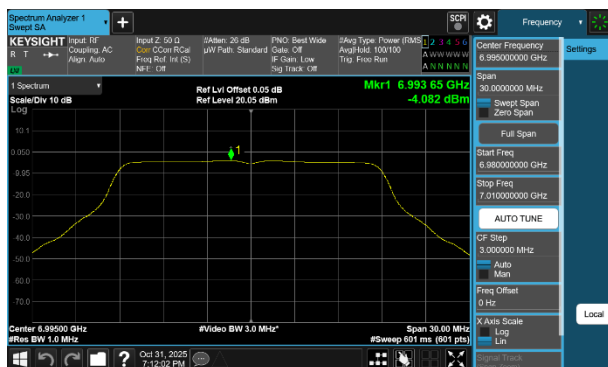


Plot 7-106 PSD Antenna WF7a (40MHz BW 802.11be(SU) - Ch.155)

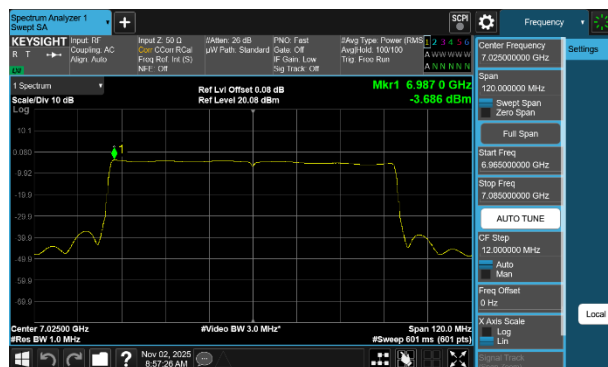


Plot 7-108 PSD Antenna WF7a (160MHz BW 802.11be(SU) - Ch.143)

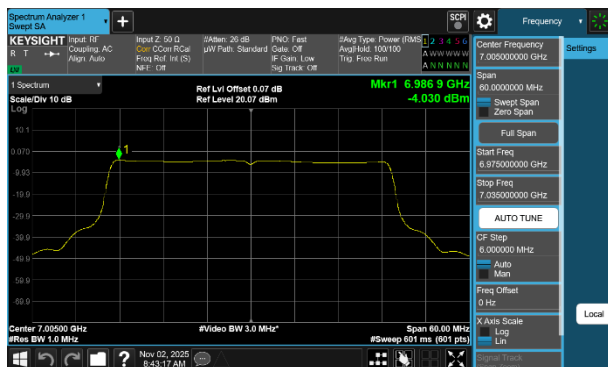
FCC ID: BCGA3459 IC: 579C-A3459	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 68 of 180



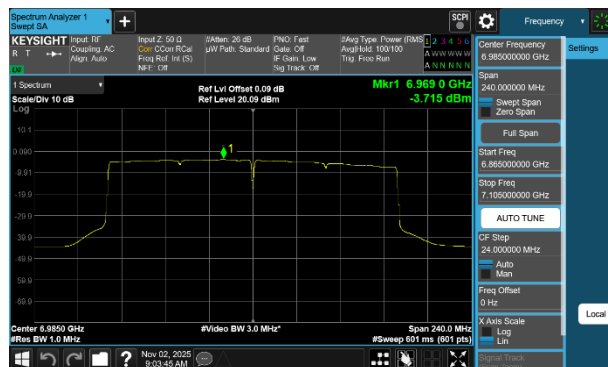
Plot 7-109 PSD Antenna WF7a (20MHz BW 802.11a - Ch.209)



Plot 7-111 PSD Antenna WF7a (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-110 PSD Antenna WF7a (40MHz BW 802.11be(SU) - Ch.211)



Plot 7-112 PSD Antenna WF7a (160MHz BW 802.11be(SU) - Ch.207)

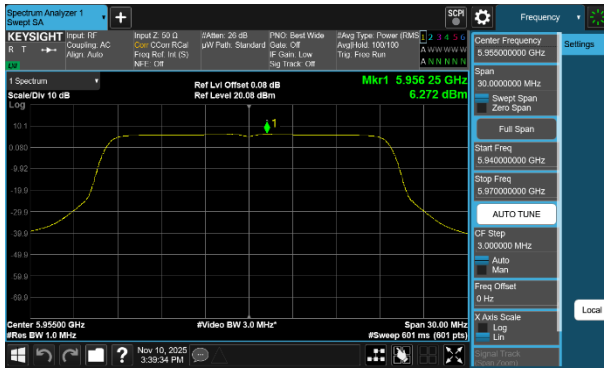
FCC ID: BCGA3459 IC: 579C-A3459	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 69 of 180

7.4.5 CDD Power Spectral Density Measurements – SP

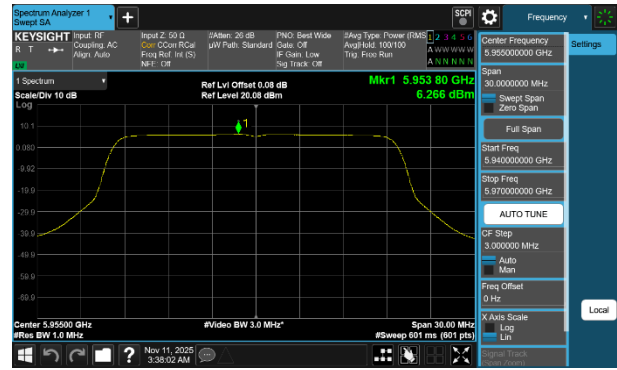
	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate	Antenna WF8 Measured Power Density [dBm/MHz]	Antenna WF7a Measured Power Density [dBm/MHz]	Summed MIMO Power Density [dBm/MHz]	Directional Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	CDD	6Mbps	3.55	3.38	6.48	7.26	13.74	17	-3.26
	6175	45	a	CDD	12Mbps	5.34	5.62	8.49	6.47	14.96	17	-2.04
	6415	93	a	CDD	36Mbps	6.52	6.21	9.38	5.35	14.73	17	-2.27
	5955	1	be (20MHz)	CDD	MCS3	6.27	6.27	9.28	7.26	16.54	17	-0.46
	6175	45	be (20MHz)	CDD	MCS3	6.95	7.00	9.99	6.47	16.46	17	-0.54
	6415	93	be (20MHz)	CDD	MCS3	6.89	6.80	9.86	5.35	15.21	17	-1.79
	5965	3	be (40MHz)	CDD	MCS3	3.79	3.64	6.72	7.26	13.99	17	-3.01
	6165	43	be (40MHz)	CDD	MCS5	4.01	4.25	7.14	6.47	13.61	17	-3.39
	6405	91	be (40MHz)	CDD	MCS5	3.71	3.78	6.75	5.35	12.10	17	-4.90
	5985	7	be (80MHz)	CDD	MCS0	0.60	0.59	3.60	7.26	10.87	17	-6.13
	6145	39	be (80MHz)	CDD	MCS3	1.14	1.15	4.15	6.47	10.62	17	-6.38
	6385	87	be (80MHz)	CDD	MCS3	1.01	0.64	3.84	5.35	9.19	17	-7.81
	6025	15	be (160MHz)	CDD	MCS5	-2.12	-1.71	1.10	7.26	8.36	17	-8.64
	6185	47	be (160MHz)	CDD	MCS3	-1.64	-1.63	1.38	6.47	7.84	17	-9.16
	6345	79	be (160MHz)	CDD	MCS5	-1.75	-1.50	1.39	5.35	6.74	17	-10.26
Band 6	6435	97	a	CDD	12Mbps	6.21	5.99	9.11	5.40	14.51	17	-2.49
	6475	105	a	CDD	36Mbps	6.10	5.72	8.93	5.40	14.33	17	-2.67
	6515	113	a	CDD	6Mbps	6.35	6.11	9.24	5.40	14.64	17	-2.36
	6435	97	be (20MHz)	CDD	MCS5	6.05	5.60	8.84	5.40	14.24	17	-2.76
	6475	105	be (20MHz)	CDD	MCS0	5.84	5.50	8.68	5.40	14.08	17	-2.92
	6515	113	be (20MHz)	CDD	MCS3	5.74	5.85	8.80	5.40	14.20	17	-2.80
	6445	99	be (40MHz)	CDD	MCS5	3.27	2.50	5.91	5.40	11.31	17	-5.69
	6485	107	be (40MHz)	CDD	MCS5	2.98	2.41	5.71	5.40	11.11	17	-5.89
	6525	115	be (40MHz)	CDD	MCS5	3.08	2.63	5.87	5.40	11.27	17	-5.73
	6465	103	be (80MHz)	CDD	MCS5	0.10	0.03	3.07	5.40	8.47	17	-8.53
	6505	111	be (160MHz)	CDD	MCS5	-2.53	-3.10	0.21	5.40	5.61	17	-11.39
	6535	117	a	CDD	36Mbps	5.97	5.92	8.96	5.44	14.39	17	-2.61
	6695	149	a	CDD	12Mbps	6.29	6.35	9.33	5.44	14.77	17	-2.23
	6855	181	a	CDD	36Mbps	5.89	6.45	9.19	5.44	14.63	17	-2.37
	6535	117	be (20MHz)	CDD	MCS3	5.79	5.83	8.82	5.44	14.26	17	-2.74
Band 7	6695	149	be (20MHz)	CDD	MCS0	5.88	6.21	9.06	5.44	14.49	17	-2.51
	6855	181	be (20MHz)	CDD	MCS3	5.97	6.34	9.17	5.44	14.61	17	-2.39
	6725	155	be (40MHz)	CDD	MCS5	3.03	3.14	6.09	5.44	11.53	17	-5.47
	6845	179	be (40MHz)	CDD	MCS5	2.85	3.14	6.01	5.44	11.45	17	-5.55
	6545	119	be (80MHz)	CDD	MCS3	-0.09	0.09	3.01	5.44	8.45	17	-8.55
	6705	151	be (80MHz)	CDD	MCS0	0.13	0.00	3.08	5.44	8.52	17	-8.48
	6785	167	be (80MHz)	CDD	MCS5	0.07	0.36	3.23	5.44	8.66	17	-8.34
	6665	143	be (160MHz)	CDD	MCS5	-2.82	-2.54	0.33	5.44	5.77	17	-11.23

Table 7-40. Power Spectral Density Measurements CDD

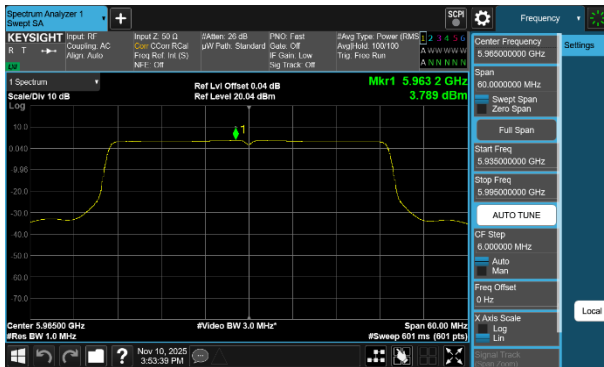
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 70 of 180



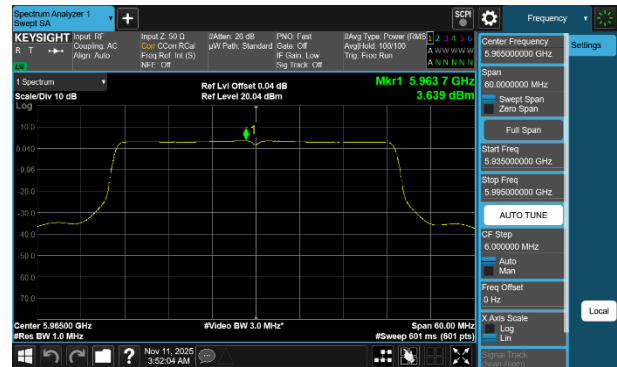
Plot 7-113 PSD CDD Antenna WF8 (20MHz BW 802.11be(SU) - Ch.1)



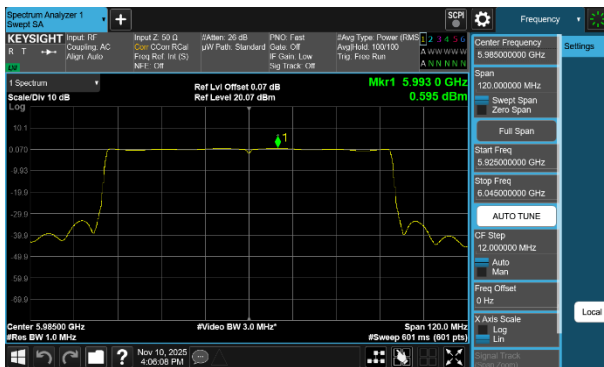
Plot 7-117 PSD CDD Antenna WF7a (20MHz BW 802.11be(SU) - Ch.1)



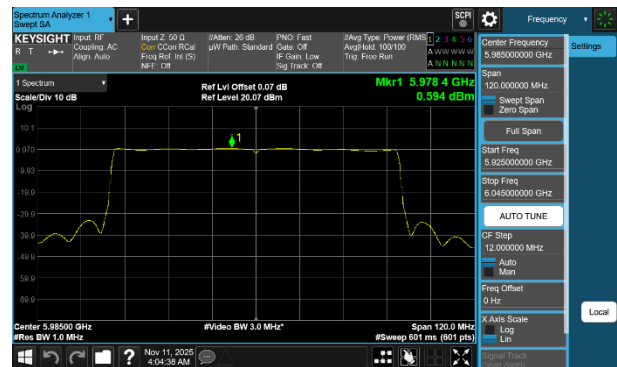
Plot 7-114 PSD CDD Antenna WF8 (40MHz BW 802.11be(SU) - Ch.3)



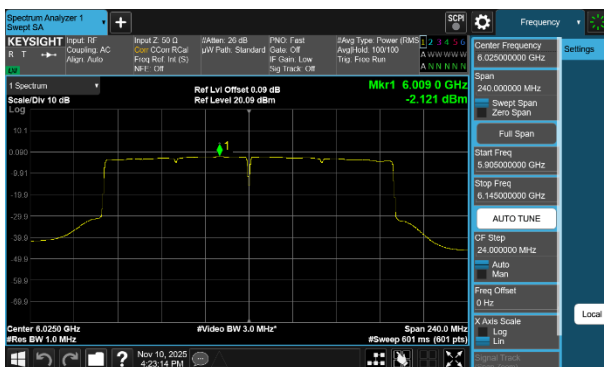
Plot 7-118 PSD CDD Antenna WF7a (40MHz BW 802.11be(SU) - Ch.3)



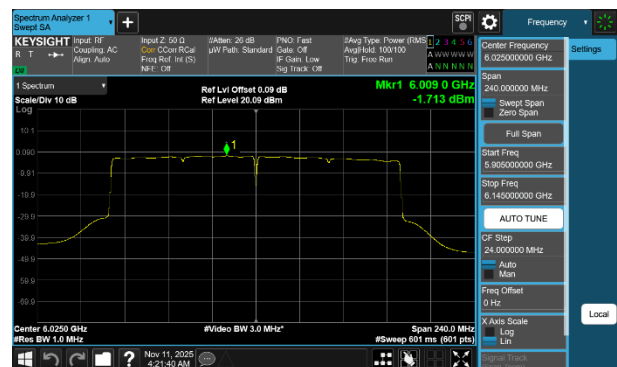
Plot 7-115 PSD CDD Antenna WF8 (80MHz BW 802.11be(SU) - Ch.7)



Plot 7-119 PSD CDD Antenna WF7a (80MHz BW 802.11be(SU) - Ch.7)

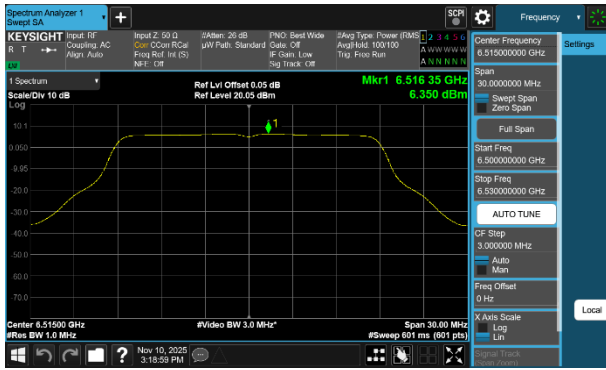


Plot 7-116 PSD CDD Antenna WF8 (160MHz BW 802.11be(SU) - Ch.15)

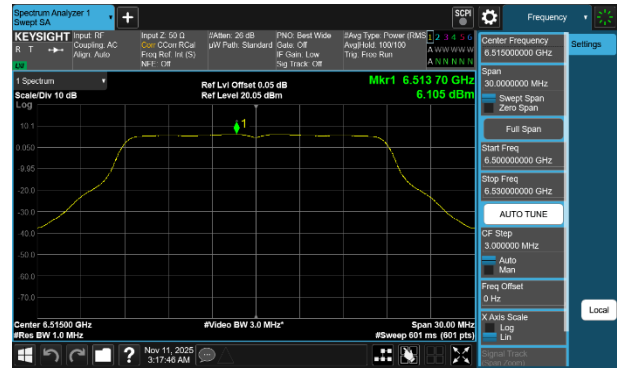


Plot 7-120 PSD CDD Antenna WF7a (160MHz BW 802.11be(SU) - Ch.15)

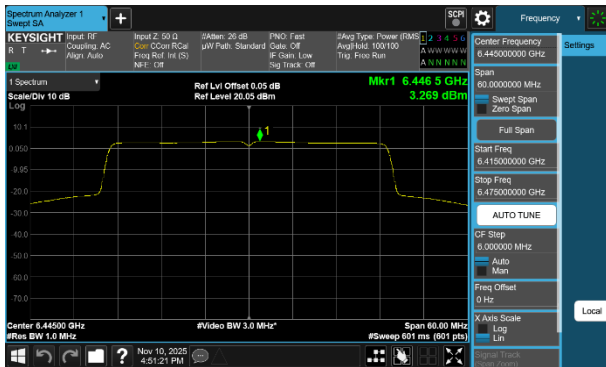
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 71 of 180



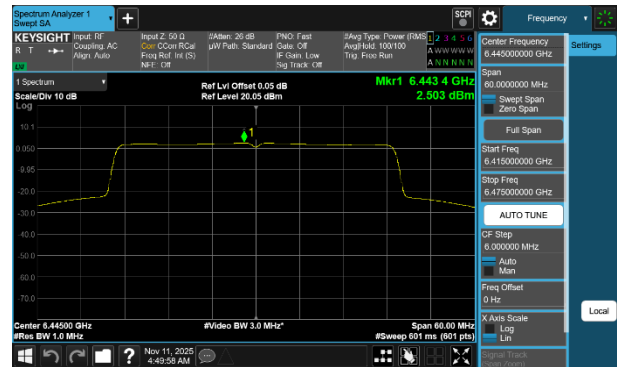
Plot 7-121 PSD CDD Antenna WF8 (20MHz BW 802.11a - Ch.113)



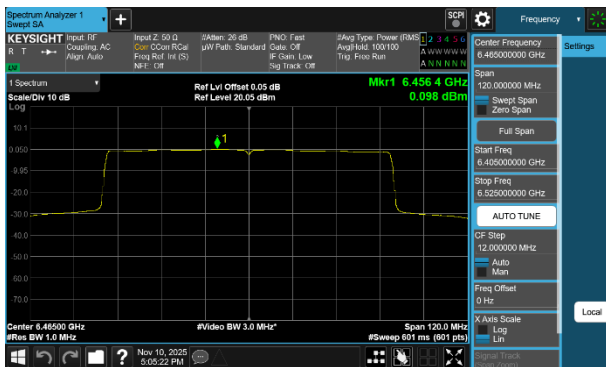
Plot 7-125 PSD CDD Antenna WF7a (20MHz BW 802.11a - Ch.113)



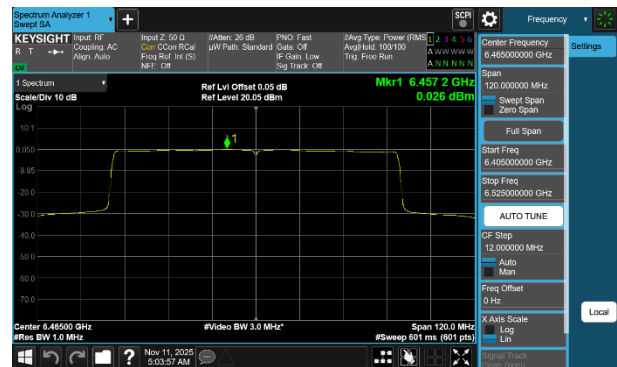
Plot 7-122 PSD CDD Antenna WF8 (40MHz BW 802.11be(SU) - Ch.99)



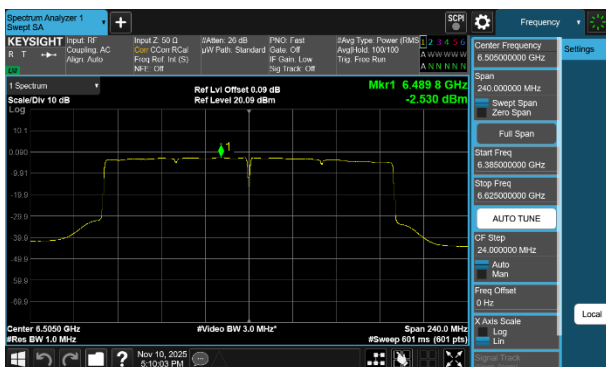
Plot 7-126 PSD CDD Antenna WF7a (40MHz BW 802.11be(SU) - Ch.99)



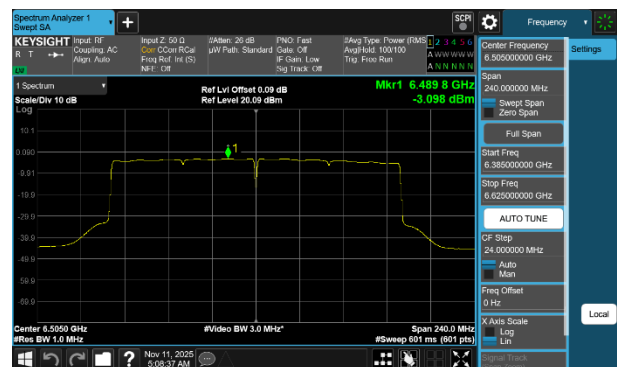
Plot 7-123 PSD CDD Antenna WF8 (80MHz BW 802.11be(SU) - Ch.103)



Plot 7-127 PSD CDD Antenna WF7a (80MHz BW 802.11be(SU) - Ch.103)

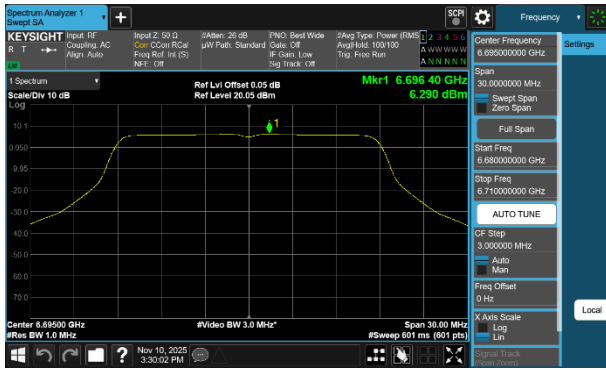


Plot 7-124 PSD CDD Antenna WF8 (160MHz BW 802.11be(SU) - Ch.111)

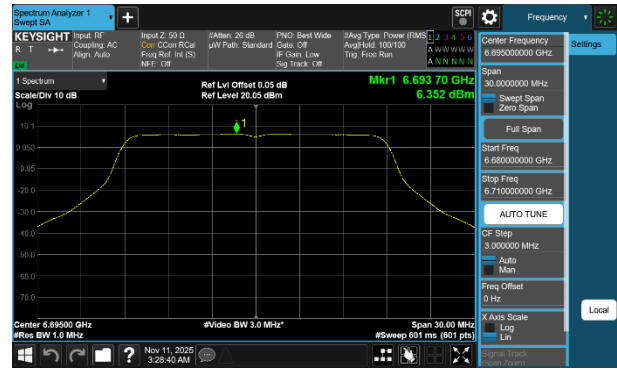


Plot 7-128 PSD CDD Antenna WF7a (160MHz BW 802.11be(SU) - Ch.111)

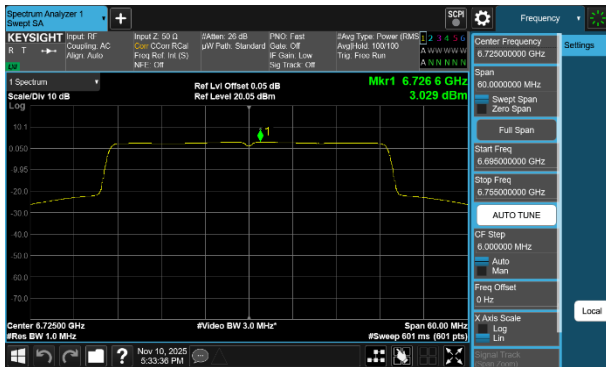
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 72 of 180



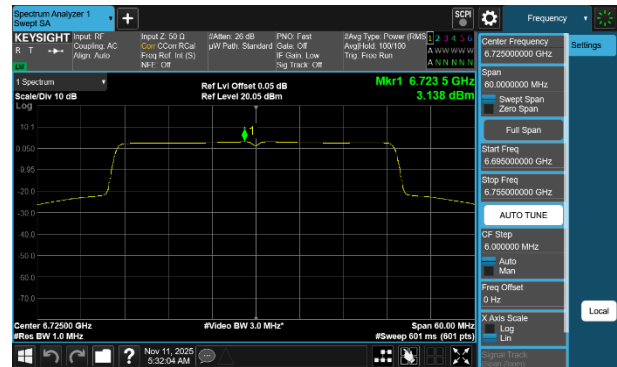
Plot 7-129 PSD CDD Antenna WF8 (20MHz BW 802.11a - Ch.149)



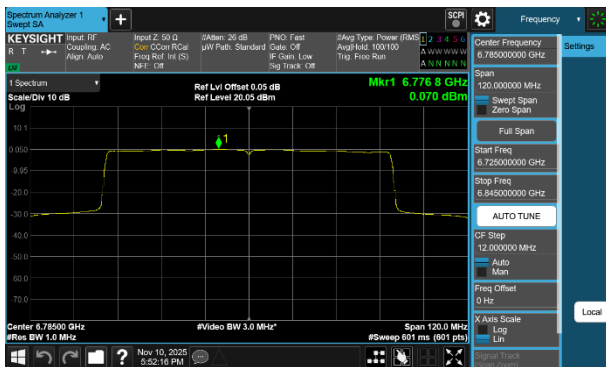
Plot 7-133 PSD CDD Antenna WF7a (20MHz BW 802.11a - Ch.149)



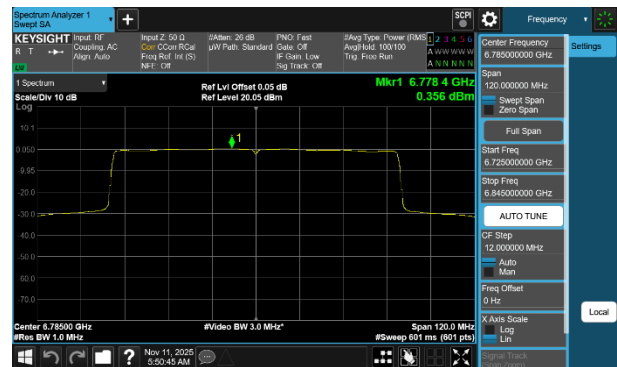
Plot 7-130 PSD CDD Antenna WF8 (40MHz BW 802.11be(SU) - Ch.155)



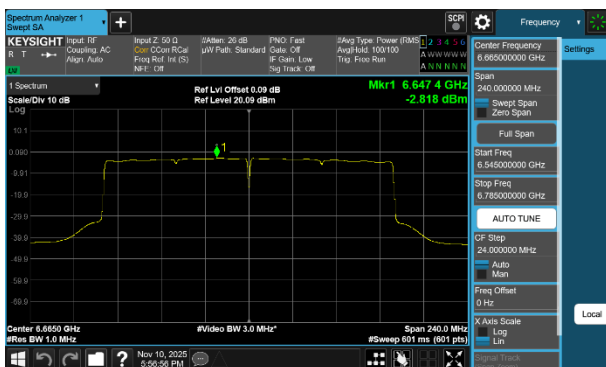
Plot 7-134 PSD CDD Antenna WF7a (40MHz BW 802.11be(SU) - Ch.155)



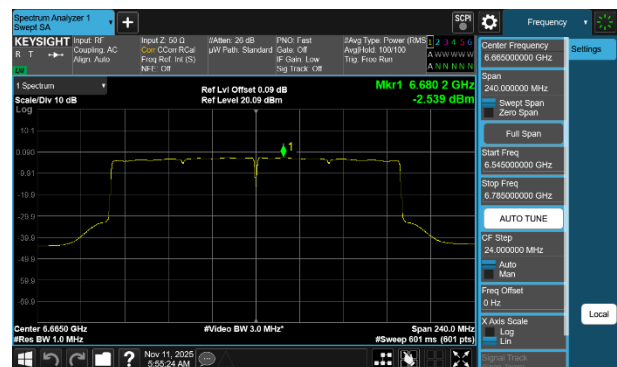
Plot 7-131 PSD CDD Antenna WF8 (80MHz BW 802.11be(SU) - Ch.167)



Plot 7-135 PSD CDD Antenna WF7a (80MHz BW 802.11be(SU) - Ch.167)



Plot 7-132 PSD CDD Antenna WF8 (160MHz BW 802.11be(SU) - Ch.143)



Plot 7-136 PSD CDD Antenna WF7a (160MHz BW 802.11be(SU) - Ch.143)

FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 73 of 180

7.4.6 CDD/SDM Power Spectral Density Measurements – LPI

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate	Antenna WF8 Measured Power Density [dBm/MHz]	Antenna WF7a 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	6Mbps	-14.30	-13.62	-10.94	7.26	-3.68	-1	-2.68
	6175	45	a	CDD	12Mbps	-13.01	-13.17	-10.08	6.47	-3.61	-1	-2.61
	6415	93	a	CDD	6Mbps	-11.50	-11.97	-8.72	5.35	-3.37	-1	-2.37
	5955	1	be (20MHz)	SDM	MCS0	-11.70	-10.96	-8.31	4.25	-4.06	-1	-3.06
	6175	45	be (20MHz)	SDM	MCS3	-10.37	-10.58	-7.46	3.46	-4.00	-1	-3.00
	6415	93	be (20MHz)	SDM	MCS0	-9.04	-8.36	-5.67	2.43	-3.25	-1	-2.25
	5965	3	be (40MHz)	SDM	MCS5	-11.55	-11.32	-8.43	4.25	-4.17	-1	-3.17
	6165	43	be (40MHz)	SDM	MCS3	-9.87	-10.03	-6.94	3.46	-3.48	-1	-2.48
	6405	91	be (40MHz)	SDM	MCS5	-8.97	-8.61	-5.77	2.43	-3.35	-1	-2.35
	5985	7	be (80MHz)	SDM	MCS5	-11.05	-11.01	-8.02	4.25	-3.77	-1	-2.77
	6145	39	be (80MHz)	SDM	MCS0	-9.82	-10.15	-6.97	3.46	-3.51	-1	-2.51
	6385	87	be (80MHz)	SDM	MCS0	-8.56	-8.63	-5.59	2.43	-3.16	-1	-2.16
	6025	15	be (160MHz)	SDM	MCS3	-10.49	-10.46	-7.46	4.25	-3.21	-1	-2.21
	6185	47	be (160MHz)	SDM	MCS5	-9.78	-9.85	-6.80	3.46	-3.34	-1	-2.34
	6345	79	be (160MHz)	SDM	MCS5	-8.69	-8.60	-5.64	2.43	-3.21	-1	-2.21
Band 6	6435	97	a	CDD	36Mbps	-11.92	-11.41	-8.65	5.40	-3.25	-1	-2.25
	6475	105	a	CDD	6Mbps	-11.68	-11.23	-8.44	5.40	-3.04	-1	-2.04
	6515	113	a	CDD	12Mbps	-11.95	-11.73	-8.83	5.40	-3.43	-1	-2.43
	6435	97	be (20MHz)	SDM	MCS3	-8.95	-8.90	-5.91	2.62	-3.30	-1	-2.30
	6475	105	be (20MHz)	SDM	MCS0	-8.51	-8.65	-5.57	2.62	-2.95	-1	-1.95
	6515	113	be (20MHz)	SDM	MCS3	-8.98	-9.04	-6.00	2.62	-3.38	-1	-2.38
	6445	99	be (40MHz)	SDM	MCS5	-8.61	-8.64	-5.62	2.62	-3.00	-1	-2.00
	6485	107	be (40MHz)	SDM	MCS0	-8.76	-8.82	-5.78	2.62	-3.16	-1	-2.16
	6525	115	be (40MHz)	SDM	MCS3	-9.41	-9.37	-6.38	2.62	-3.76	-1	-2.76
	6465	103	be (80MHz)	SDM	MCS0	-8.46	-8.53	-5.49	2.62	-2.87	-1	-1.87
Band 7	6505	111	be (160MHz)	SDM	MCS5	-9.18	-9.09	-6.13	2.62	-3.51	-1	-2.51
	6535	117	a	CDD	36Mbps	-12.36	-11.75	-9.03	5.44	-3.60	-1	-2.60
	6695	149	a	CDD	6Mbps	-11.83	-11.60	-8.70	5.44	-3.26	-1	-2.26
	6875	185	a	CDD	6Mbps	-11.40	-11.84	-8.60	5.44	-3.16	-1	-2.16
	6535	117	be (20MHz)	SDM	MCS3	-8.86	-8.75	-5.79	2.46	-3.34	-1	-2.34
	6695	149	be (20MHz)	SDM	MCS3	-8.61	-8.46	-5.53	2.46	-3.07	-1	-2.07
	6875	185	be (20MHz)	SDM	MCS3	-8.34	-9.12	-5.70	2.46	-3.24	-1	-2.24
	6565	123	be (40MHz)	SDM	MCS3	-8.49	-8.80	-5.63	2.46	-3.18	-1	-2.18
	6725	155	be (40MHz)	SDM	MCS5	-8.71	-8.57	-5.63	2.46	-3.17	-1	-2.17
	6845	179	be (40MHz)	SDM	MCS5	-8.61	-8.70	-5.65	2.46	-3.19	-1	-2.19
	6545	119	be (80MHz)	SDM	MCS3	-9.09	-9.40	-6.23	2.46	-3.78	-1	-2.78
	6705	151	be (80MHz)	SDM	MCS5	-8.23	-8.47	-5.34	2.46	-2.88	-1	-1.88
	6865	183	be (80MHz)	SDM	MCS0	-8.39	-8.90	-5.63	2.46	-3.17	-1	-2.17
	6665	143	be (160MHz)	SDM	MCS5	-8.09	-8.43	-5.24	2.46	-2.79	-1	-1.79
	6825	175	be (160MHz)	SDM	MCS5	-8.20	-8.71	-5.44	2.46	-2.98	-1	-1.98
Band 8	6895	189	a	CDD	6Mbps	-11.00	-11.05	-8.02	4.53	-3.48	-1	-2.48
	6995	209	a	CDD	6Mbps	-11.19	-11.14	-8.16	4.53	-3.63	-1	-2.63
	7115	233	a	CDD	12Mbps	-11.54	-12.33	-8.90	4.53	-4.37	-1	-3.37
	6895	189	be (20MHz)	SDM	MCS3	-7.68	-8.32	-4.98	1.54	-3.44	-1	-2.44
	6995	209	be (20MHz)	SDM	MCS3	-7.59	-8.01	-4.78	1.54	-3.24	-1	-2.24
	7115	233	be (20MHz)	SDM	MCS0	-8.07	-8.74	-5.38	1.54	-3.84	-1	-2.84
	6885	187	be (40MHz)	SDM	MCS5	-8.35	-9.08	-5.69	1.54	-4.15	-1	-3.15
	7005	211	be (40MHz)	SDM	MCS0	-7.48	-7.57	-4.51	1.54	-2.97	-1	-1.97
	7085	227	be (40MHz)	SDM	MCS5	-7.35	-8.06	-4.68	1.54	-3.14	-1	-2.14
	6945	199	be (80MHz)	SDM	MCS0	-6.98	-7.90	-4.40	1.54	-2.86	-1	-1.86
	7025	215	be (80MHz)	SDM	MCS0	-6.91	-7.43	-4.15	1.54	-2.61	-1	-1.61
	6985	207	be (160MHz)	SDM	MCS3	-7.09	-7.47	-4.26	1.54	-2.72	-1	-1.72

Table 7-41. Power Spectral Density Measurements CDD/SDM

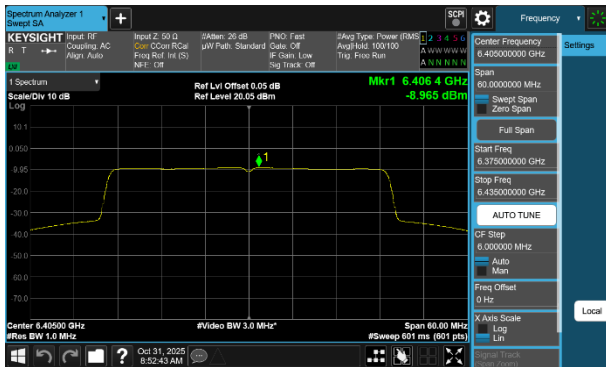
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 74 of 180



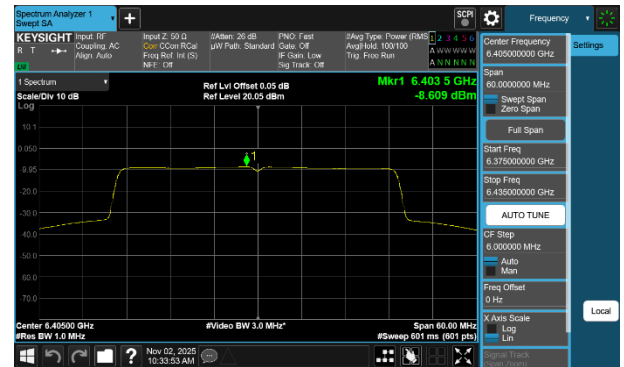
Plot 7-137 PSD SDM Antenna WF8 (20MHz BW 802.11be(SU) - Ch.93)



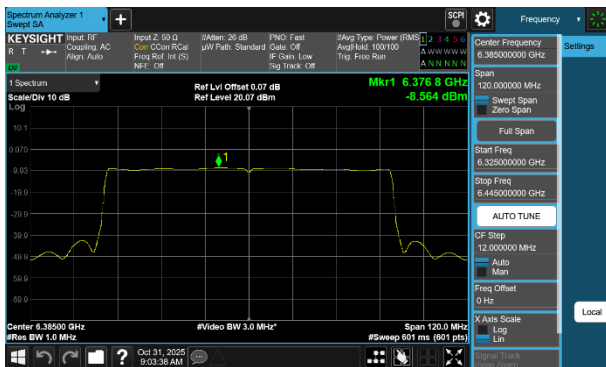
Plot 7-141 PSD SDM Antenna WF7a (20MHz BW 802.11be(SU) - Ch.93)



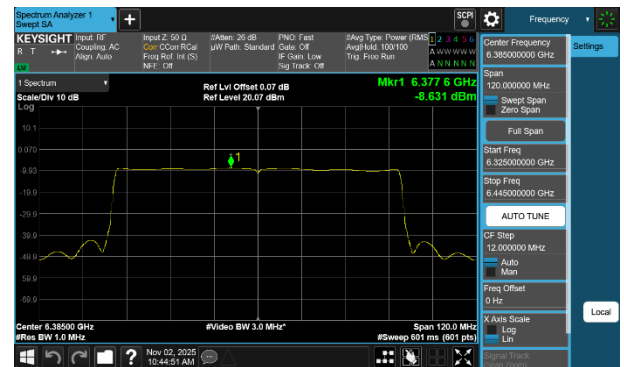
Plot 7-138 PSD SDM Antenna WF8 (40MHz BW 802.11be(SU) - Ch.91)



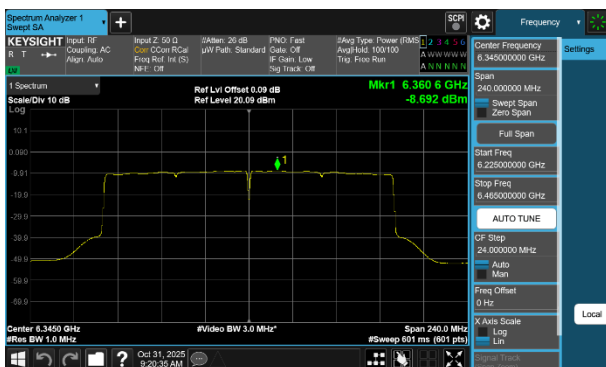
Plot 7-142 PSD SDM Antenna WF7a (40MHz BW 802.11be(SU) - Ch.91)



Plot 7-139 PSD SDM Antenna WF8 (80MHz BW 802.11be(SU) - Ch.87)



Plot 7-143 PSD SDM Antenna WF7a (80MHz BW 802.11be(SU) - Ch.87)

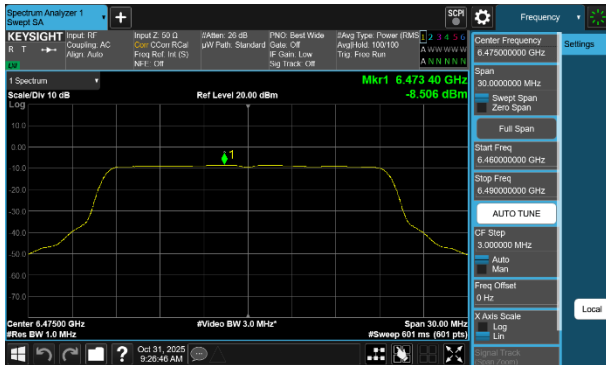


Plot 7-140 PSD SDM Antenna WF8 (160MHz BW 802.11be(SU) - Ch.79)

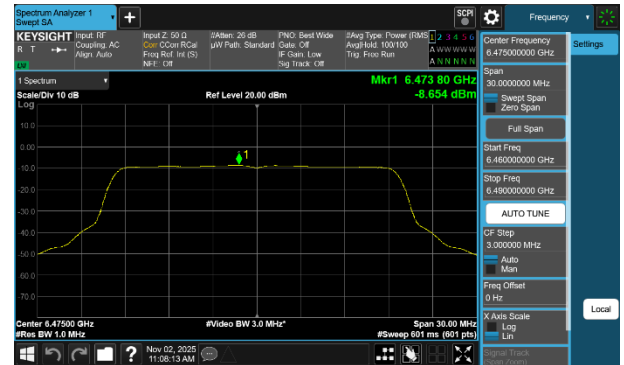


Plot 7-144 PSD SDM Antenna WF7a (160MHz BW 802.11be(SU) - Ch.79)

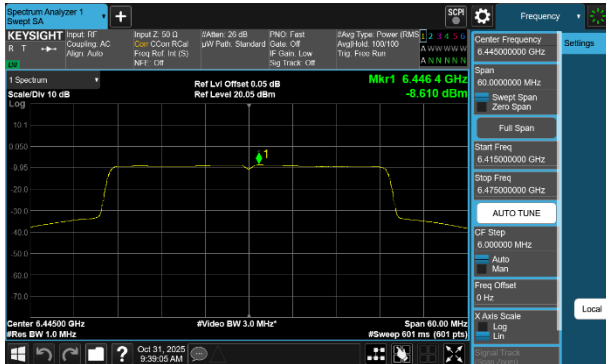
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 75 of 180



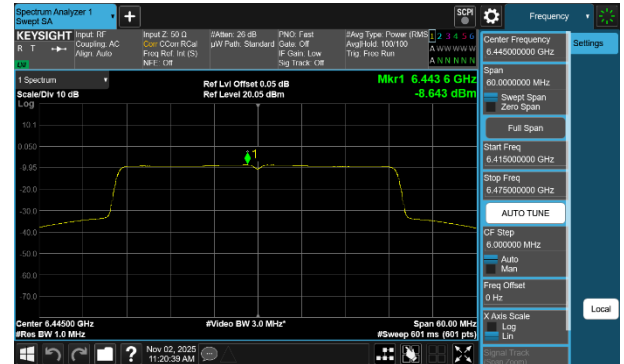
Plot 7-145 PSD SDM Antenna WF8 (20MHz BW 802.11be(SU) - Ch.105)



Plot 7-149 PSD SDM Antenna WF7a (20MHz BW 802.11be(SU) - Ch.105)



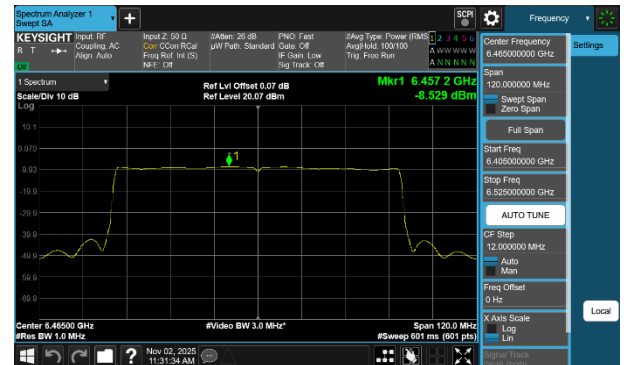
Plot 7-146 PSD SDM Antenna WF8 (40MHz BW 802.11be(SU) - Ch.99)



Plot 7-150 PSD SDM Antenna WF7a (40MHz BW 802.11be(SU) - Ch.99)



Plot 7-147 PSD SDM Antenna WF8 (80MHz BW 802.11be(SU) - Ch.103)



Plot 7-151 PSD SDM Antenna WF7a (80MHz BW 802.11be(SU) - Ch.103)

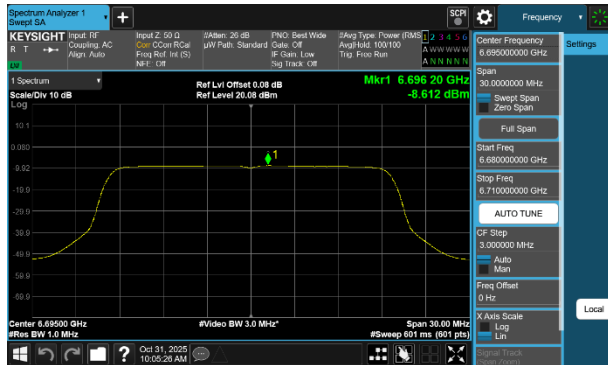


Plot 7-148 PSD SDM Antenna WF8 (160MHz BW 802.11be(SU) - Ch.111)

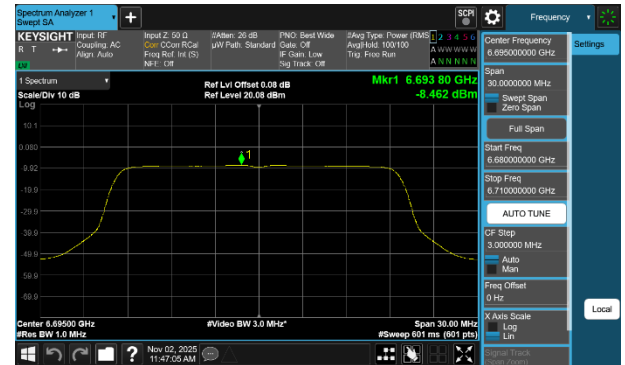


Plot 7-152 PSD SDM Antenna WF7a (160MHz BW 802.11be(SU) - Ch.111)

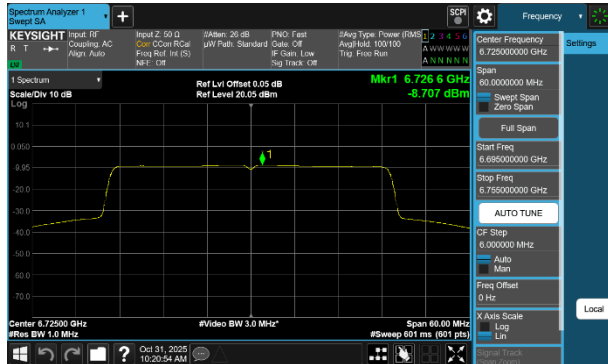
FCC ID: BCGA3459 IC: 579C-A3459	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100079-15-R4.BCG	Test Dates: 09/15/2025 - 12/2/2025	EUT Type: Tablet Device	Page 76 of 180



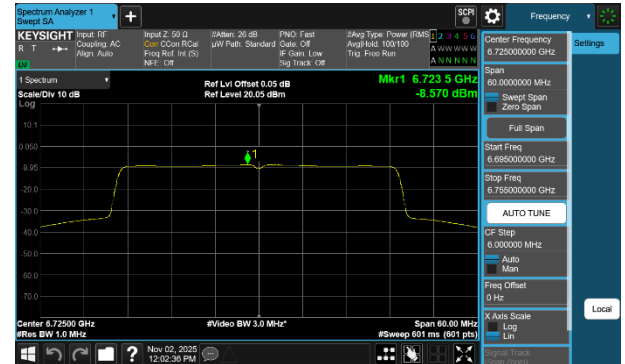
Plot 7-153 PSD SDM Antenna WF8 (20MHz BW 802.11be(SU) - Ch.149)



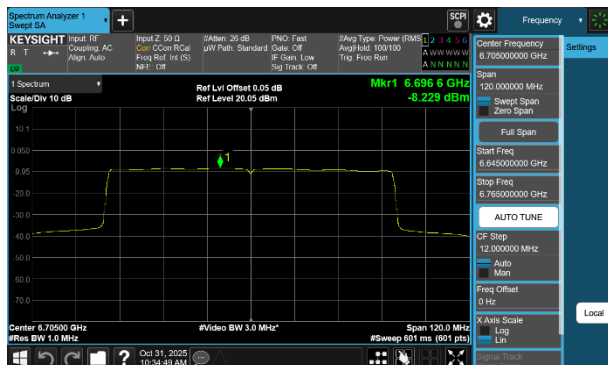
Plot 7-157 PSD SDM Antenna WF7a (20MHz BW 802.11be(SU) - Ch.149)



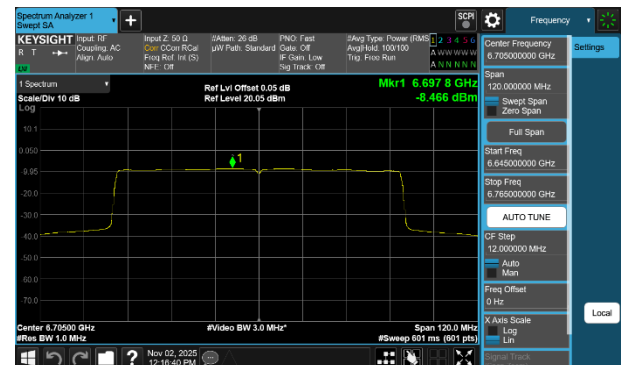
Plot 7-154 PSD SDM Antenna WF8 (40MHz BW 802.11be(SU) - Ch.155)



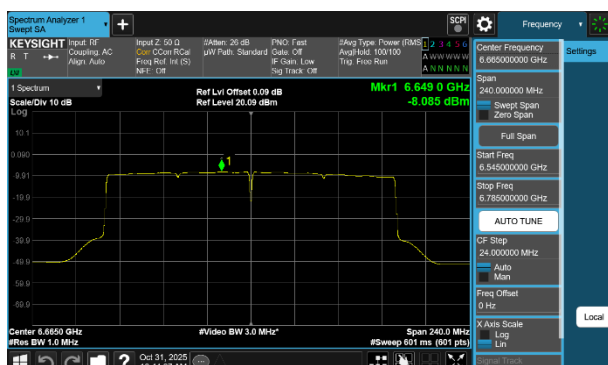
Plot 7-158 PSD SDM Antenna WF7a (40MHz BW 802.11be(SU) - Ch.155)



Plot 7-155 PSD SDM Antenna WF8 (80MHz BW 802.11be(SU) - Ch.151)



Plot 7-159 PSD SDM Antenna WF7a (80MHz BW 802.11be(SU) - Ch.151)

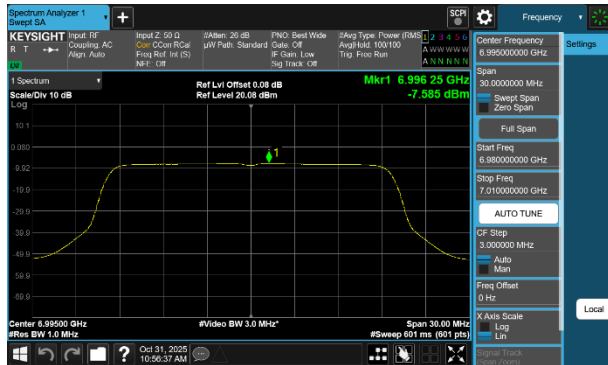


Plot 7-156 PSD SDM Antenna WF8 (160MHz BW 802.11be(SU) - Ch.143)

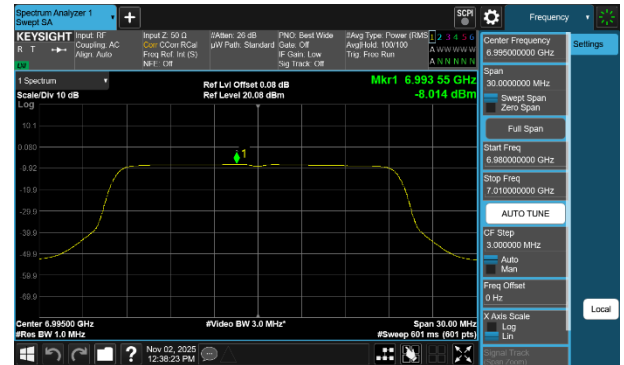


Plot 7-160 PSD SDM Antenna WF7a (160MHz BW 802.11be(SU) - Ch.143)

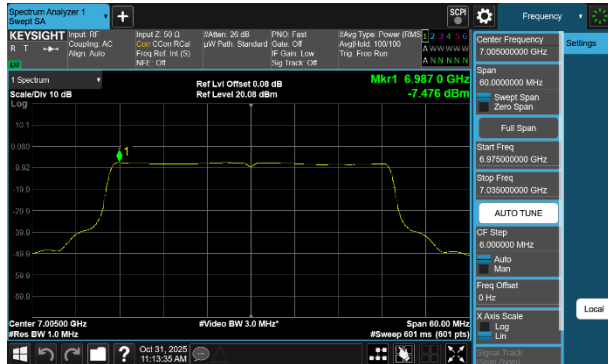
FCC ID: BCGA3459 IC: 579C-A3459	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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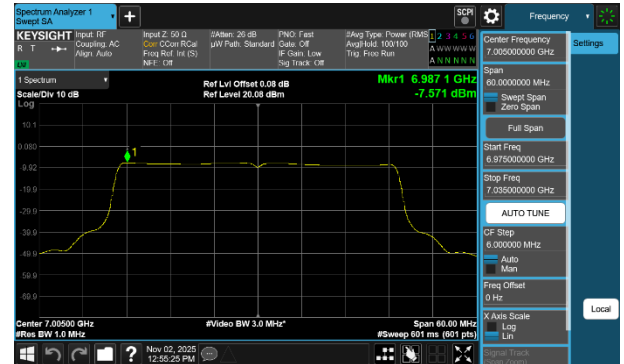
Plot 7-161 PSD SDM Antenna WF8 (20MHz BW 802.11be(SU) - Ch.209)



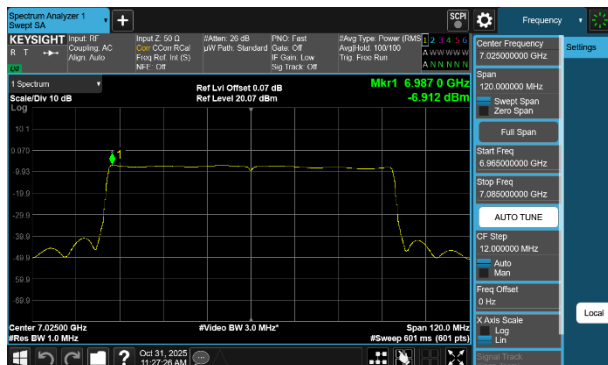
Plot 7-165 PSD SDM Antenna WF7a (20MHz BW 802.11be(SU) - Ch.209)



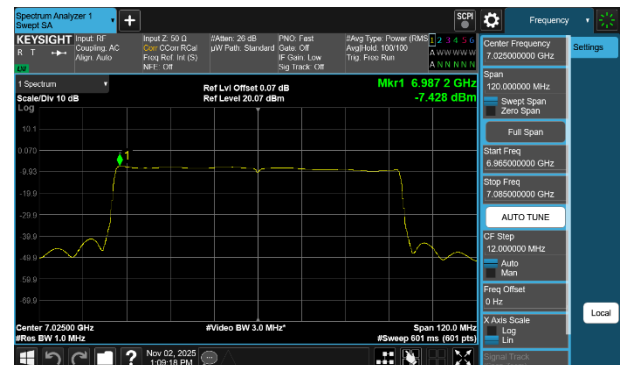
Plot 7-162 PSD SDM Antenna WF8 (40MHz BW 802.11be(SU) - Ch.211)



Plot 7-166 PSD SDM Antenna WF7a (40MHz BW 802.11be(SU) - Ch.211)



Plot 7-163 PSD SDM Antenna WF8 (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-167 PSD SDM Antenna WF7a (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-164 PSD SDM Antenna WF8 (160MHz BW 802.11be(SU) - Ch.207)



Plot 7-168 PSD SDM Antenna WF7a (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 WF8 and Antenna WF7a 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 4.30 dBi for Antenna WF8 and 4.20 dBi for Antenna WF7a.

$$\begin{aligned}\text{Directional gain} &= 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{4.3/20} + 10^{4.2/20} / 2] \text{ dBi} \\ &= 7.26 \text{ dBi}\end{aligned}$$

For uncorrelated signals, assuming the antenna gain is 4.30 dBi for Antenna WF8 and 4.20 dBi for Antenna WF7a.

$$\begin{aligned}\text{Directional gain} &= 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{4.3/10} + 10^{4.2/10} / 2] \text{ dBi} \\ &= 4.25 \text{ dBi}\end{aligned}$$

Sample SDM Calculation:

At 5955MHz in 802.11be (20MHz BW) mode, the average conducted power spectral density was measured to be -11.70 dBm for Antenna WF8 and -10.96 dBm for Antenna WF7a.

$$\text{Antenna WF8} + \text{Antenna WF7a} = \text{CDD/SDM}$$

$$(-11.70 \text{ dBm} + -10.96 \text{ dBm}) = (0.068 \text{ mW} + 0.080 \text{ mW}) = 0.148 \text{ mW} = -8.31 \text{ dBm}$$

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 -8.31 dBm with directional gain of 4.25 dBi.

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

$$-8.31 \text{ dBm} + 4.25 \text{ dBi} = -4.06 \text{ dBm}$$

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