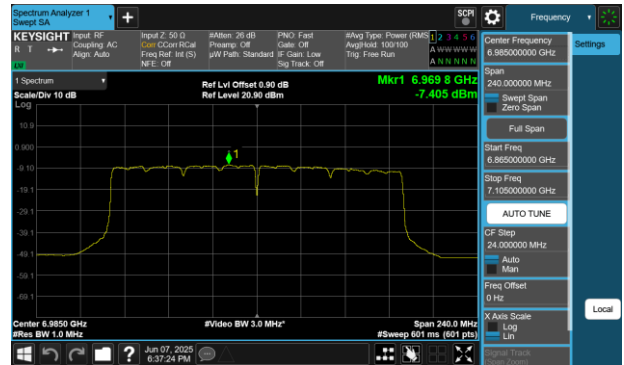
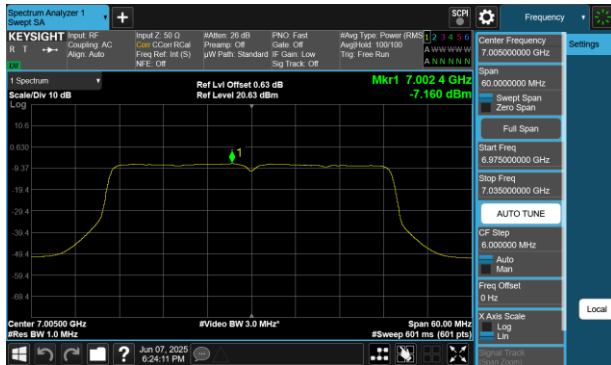
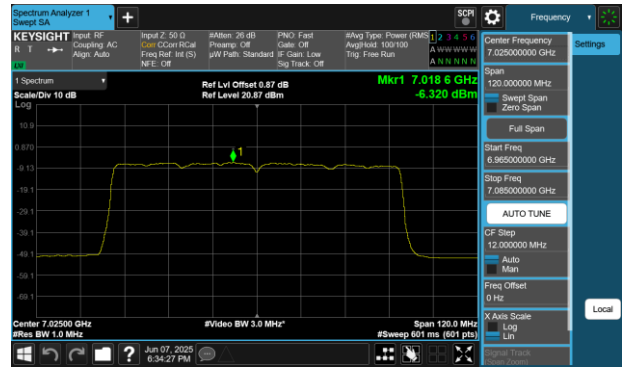
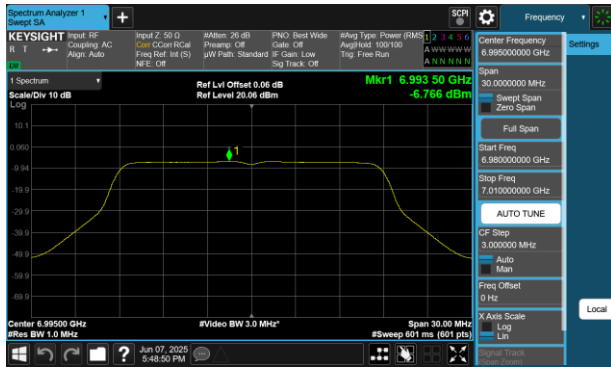




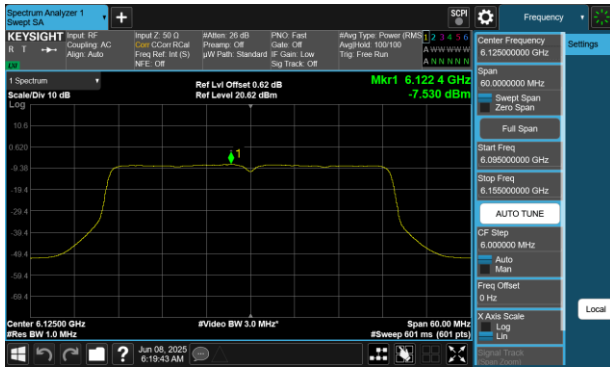
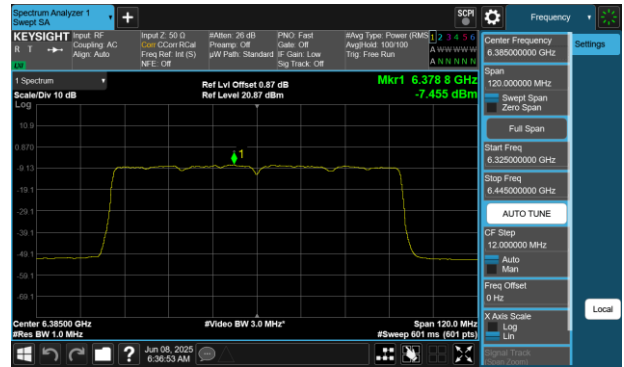
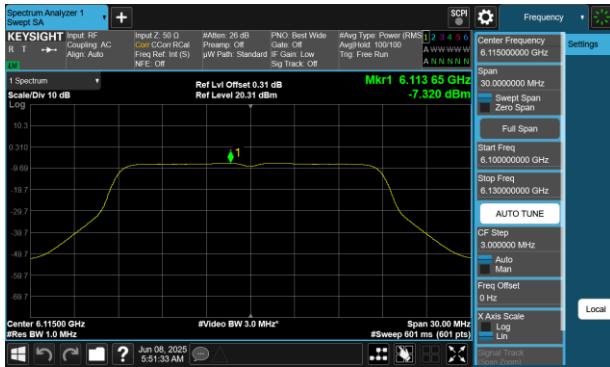
FCC ID: BCGA3357 IC: 579C-A3357	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 53 of 188

7.4.3 Antenna WF7 Power Spectral Density Measurements – VLP

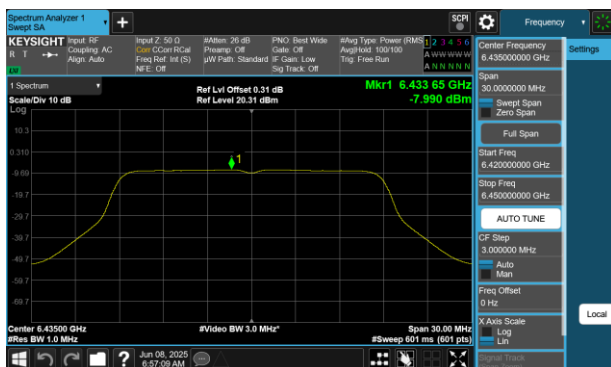
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	6115	33	a	36Mbps	-7.32	-0.2	-7.52	-5	-2.52
	6255	61	a	36Mbps	-7.55	-0.2	-7.75	-5	-2.75
	6415	93	a	36Mbps	-7.95	0.4	-7.55	-5	-2.55
	6115	33	be (20MHz)	MCS3	-7.60	-0.2	-7.80	-5	-2.80
	6255	61	be (20MHz)	MCS5	-7.62	-0.2	-7.82	-5	-2.82
	6415	93	be (20MHz)	MCS5	-7.99	0.4	-7.59	-5	-2.59
	6125	35	be (40MHz)	MCS5	-7.53	-0.2	-7.73	-5	-2.73
	6245	59	be (40MHz)	MCS5	-7.80	-0.2	-8.00	-5	-3.00
	6405	91	be (40MHz)	MCS5	-8.42	0.4	-8.02	-5	-3.02
	6145	39	be (80MHz)	MCS5	-6.87	-0.2	-7.07	-5	-2.07
	6225	55	be (80MHz)	MCS5	-6.94	-0.2	-7.14	-5	-2.14
	6385	87	be (80MHz)	MCS5	-7.46	0.4	-7.06	-5	-2.06
	6185	47	be (160MHz)	MCS5	-7.54	-0.2	-7.74	-5	-2.74
Band 6	6345	79	be (160MHz)	MCS3	-8.94	0.4	-8.54	-5	-3.54
	6435	97	a	36Mbps	-7.99	1.1	-6.89	-5	-1.89
	6475	105	a	36Mbps	-8.02	1.1	-6.92	-5	-1.92
	6515	113	a	36Mbps	-8.07	1.1	-6.97	-5	-1.97
	6435	97	be (20MHz)	MCS5	-8.00	1.1	-6.90	-5	-1.90
	6475	105	be (20MHz)	MCS5	-8.03	1.1	-6.93	-5	-1.93
	6515	113	be (20MHz)	MCS5	-8.07	1.1	-6.97	-5	-1.97
	6445	99	be (40MHz)	MCS5	-8.11	1.1	-7.01	-5	-2.01
	6485	107	be (40MHz)	MCS3	-8.07	1.1	-6.97	-5	-1.97
	6525	115	be (40MHz)	MCS5	-8.79	1.1	-7.69	-5	-2.69
	6465	103	be (80MHz)	MCS5	-7.40	1.1	-6.30	-5	-1.30
	6505	111	be (160MHz)	MCS5	-8.42	1.1	-7.32	-5	-2.32
	6535	117	a	36Mbps	-8.45	0.7	-7.75	-5	-2.75
Band 7	6695	149	a	36Mbps	-8.42	0.7	-7.72	-5	-2.72
	6875	185	a	36Mbps	-8.65	0.7	-7.95	-5	-2.95
	6535	117	be (20MHz)	MCS5	-8.42	0.7	-7.72	-5	-2.72
	6695	149	be (20MHz)	MCS5	-8.42	0.7	-7.72	-5	-2.72
	6875	185	be (20MHz)	MCS5	-8.90	0.7	-8.20	-5	-3.20
	6565	123	be (40MHz)	MCS5	-8.62	0.7	-7.92	-5	-2.92
	6725	155	be (40MHz)	MCS5	-8.63	0.7	-7.93	-5	-2.93
	6845	179	be (40MHz)	MCS5	-8.56	0.7	-7.86	-5	-2.86
	6545	119	be (80MHz)	MCS5	-7.71	0.7	-7.01	-5	-2.01
	6705	151	be (80MHz)	MCS5	-7.83	0.7	-7.13	-5	-2.13
	6865	183	be (80MHz)	MCS5	-8.26	0.7	-7.56	-5	-2.56
	6665	143	be (160MHz)	MCS5	-8.56	0.7	-7.86	-5	-2.86
	6825	175	be (160MHz)	MCS5	-8.83	0.7	-8.13	-5	-3.13
Band 8	6895	189	a	36Mbps	-8.67	-0.7	-9.37	-5	-4.37
	6995	209	a	36Mbps	-8.82	-0.7	-9.52	-5	-4.52
	7115	233	a	36Mbps	-9.37	-0.7	-10.07	-5	-5.07
	6895	189	be (20MHz)	MCS5	-9.44	-0.7	-10.14	-5	-5.14
	6995	209	be (20MHz)	MCS5	-9.56	-0.7	-10.26	-5	-5.26
	7115	233	be (20MHz)	MCS5	-9.15	-0.7	-9.85	-5	-4.85
	6885	187	be (40MHz)	MCS5	-9.26	-0.7	-9.96	-5	-4.96
	7005	211	be (40MHz)	MCS5	-9.32	-0.7	-10.02	-5	-5.02
	7085	227	be (40MHz)	MCS5	-9.25	-0.7	-9.95	-5	-4.95
	6945	199	be (80MHz)	MCS5	-8.33	-0.7	-9.03	-5	-4.03
	7025	215	be (80MHz)	MCS5	-8.22	-0.7	-8.92	-5	-3.92
	6985	207	be (160MHz)	MCS3	-9.34	-0.7	-10.04	-5	-5.04

Table 7-32. Power Spectral Density Measurements Antenna WF7

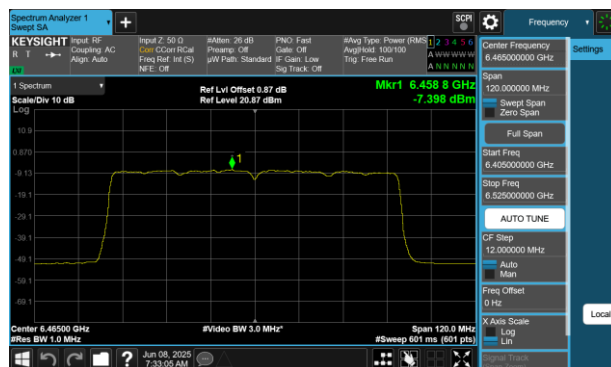
FCC ID: BCGA3357 IC: 579C-A3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 54 of 188



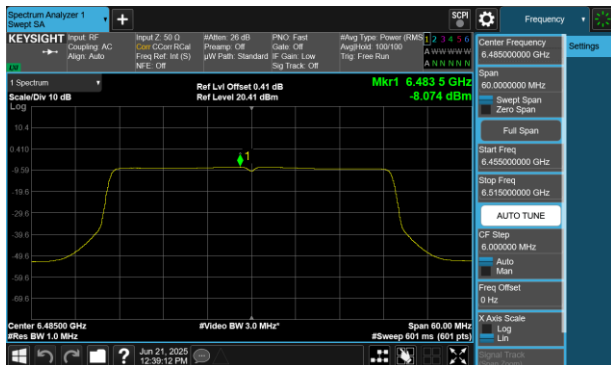
FCC ID: BCGA3357 IC: 579C-A3357	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 55 of 188



Plot 7-85 PSD Antenna WF7 (20MHz BW 802.11a - Ch.97)



Plot 7-87 PSD Antenna WF7 (80MHz BW 802.11be(SU) - Ch.103)

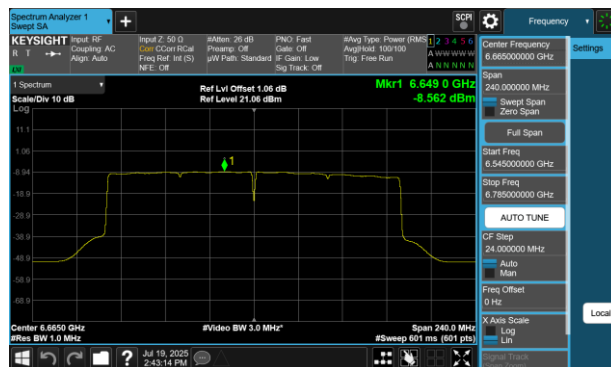
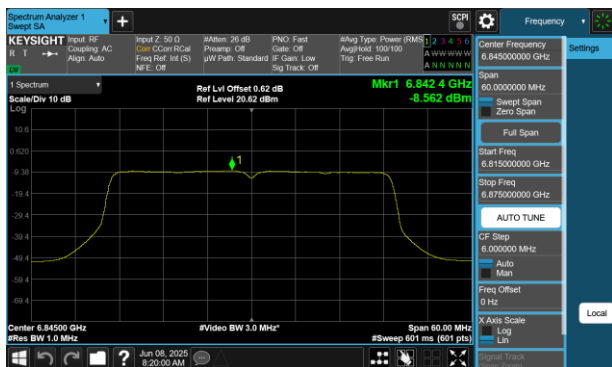
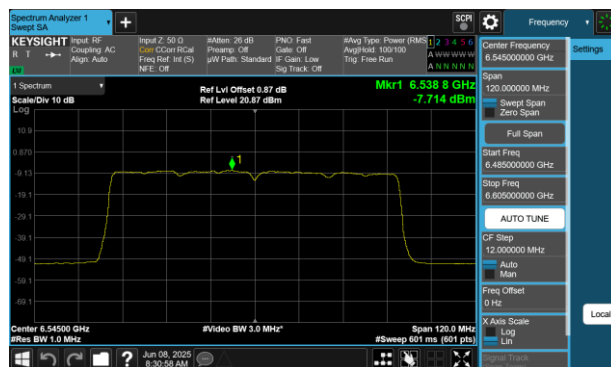
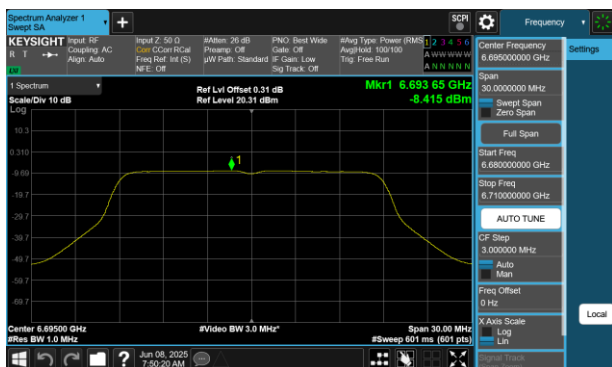


Plot 7-86 PSD Antenna WF7 (40MHz BW 802.11be(SU) - Ch.107)

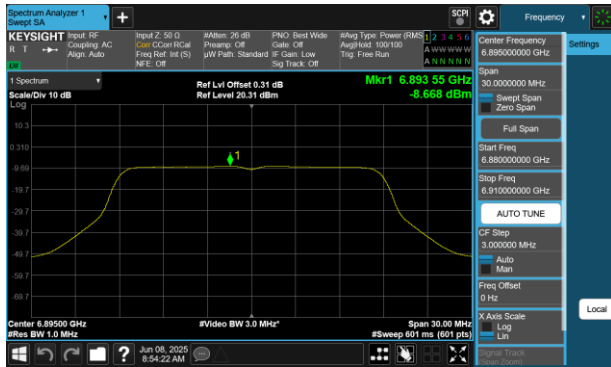


Plot 7-88 PSD Antenna WF7 (160MHz BW 802.11be(SU) - Ch.111)

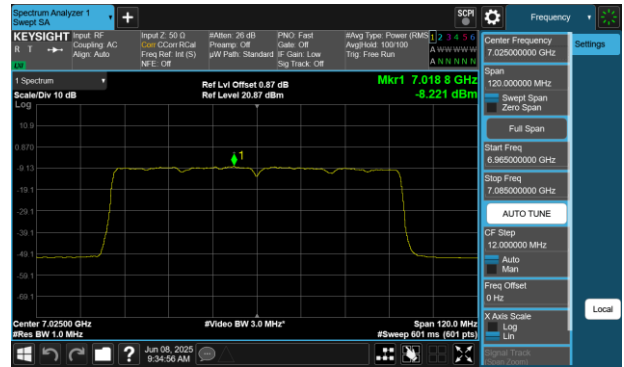
FCC ID: BCGA3357 IC: 579C-A3357			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 56 of 188	



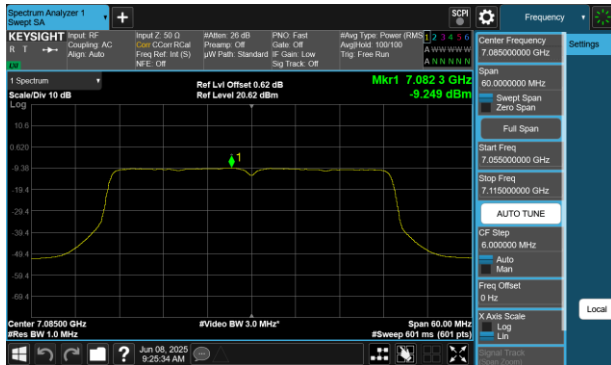
FCC ID: BCGA3357 IC: 579C-A3357	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 57 of 188



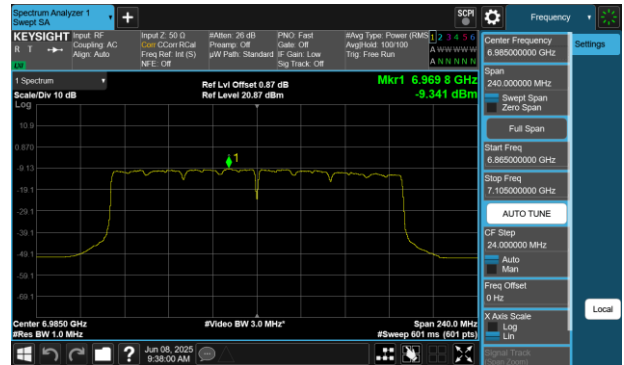
Plot 7-93 PSD Antenna WF7 (20MHz BW 802.11a - Ch.189)



Plot 7-95 PSD Antenna WF7 (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-94 PSD Antenna WF7 (40MHz BW 802.11be(SU) - Ch.227)



Plot 7-96 PSD Antenna WF7 (160MHz BW 802.11be(SU) - Ch.207)

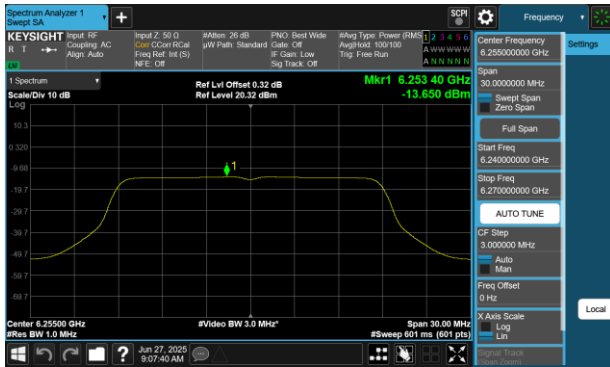
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG			Page 58 of 188

7.4.4 CDD/SDM Primary Power Spectral Density Measurements – VLP

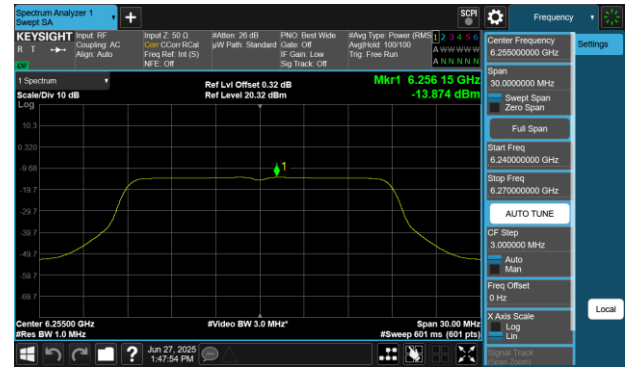
	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate	Antenna WF5B Measured Power Density [dBm/MHz]	Antenna WF8 Measured Power Density [dBm/MHz]	Summed MIMO Power Density [dBm/MHz]	Directional Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	6115	33	a	CDD	36Mbps	-13.80	-14.00	-10.89	3.46	-7.43	-5	-2.43
	6255	61	a	CDD	36Mbps	-13.65	-13.87	-10.75	3.46	-7.29	-5	-2.29
	6415	93	a	CDD	6Mbps	-14.31	-14.25	-11.27	3.46	-7.81	-5	-2.81
	6115	33	be (20MHz)	SDM	MCS3	-11.42	-11.29	-8.35	0.45	-7.90	-5	-2.90
	6255	61	be (20MHz)	SDM	MCSS	-11.08	-10.93	-7.99	0.45	-7.54	-5	-2.54
	6415	93	be (20MHz)	SDM	MCSS	-11.27	-11.37	-8.31	0.49	-7.82	-5	-2.82
	6125	35	be (40MHz)	SDM	MCSS	-10.71	-10.62	-7.65	0.45	-7.20	-5	-2.20
	6245	59	be (40MHz)	SDM	MCSS	-10.89	-10.77	-7.82	0.45	-7.37	-5	-2.37
	6405	91	be (40MHz)	SDM	MCSS	-11.77	-11.75	-8.75	0.49	-8.26	-5	-3.26
	6145	39	be (80MHz)	SDM	MCSS	-14.33	-14.37	-11.34	0.45	-10.89	-5	-5.89
	6225	55	be (80MHz)	SDM	MCS0	-14.04	-14.19	-11.11	0.45	-10.66	-5	-5.66
	6385	87	be (80MHz)	SDM	MCSS	-11.30	-11.50	-8.39	0.49	-7.89	-5	-2.89
	6185	47	be (160MHz)	SDM	MCS0	-11.64	-11.90	-8.75	0.45	-8.30	-5	-3.30
	6345	79	be (160MHz)	SDM	MCS0	-12.47	-12.51	-9.48	0.49	-8.99	-5	-3.99
	6435	97	a	CDD	6Mbps	-13.29	-13.09	-10.17	2.76	-7.41	-5	-2.41
Band 6	6475	105	a	CDD	36Mbps	-13.29	-13.32	-10.29	2.76	-7.53	-5	-2.53
	6515	113	a	CDD	36Mbps	-13.51	-13.40	-10.44	2.76	-7.68	-5	-2.68
	6435	97	be (20MHz)	SDM	MCSS	-10.96	-11.20	-8.07	-0.25	-8.32	-5	-3.32
	6475	105	be (20MHz)	SDM	MCSS	-10.80	-10.95	-7.87	-0.25	-8.12	-5	-3.12
	6515	113	be (20MHz)	SDM	MCSS	-11.42	-10.78	-8.08	-0.25	-8.33	-5	-3.33
	6445	99	be (40MHz)	SDM	MCSS	-10.65	-10.46	-7.54	-0.25	-7.79	-5	-2.79
	6485	107	be (40MHz)	SDM	MCS3	-10.81	-9.86	-7.30	-0.25	-7.55	-5	-2.55
	6525	115	be (40MHz)	SDM	MCSS	-11.10	-11.43	-8.25	-0.25	-8.50	-5	-3.50
	6465	103	be (80MHz)	SDM	MCSS	-9.94	-9.96	-6.94	-0.25	-7.19	-5	-2.19
	6505	111	be (160MHz)	SDM	MCSS	-12.13	-12.37	-9.24	-0.25	-9.49	-5	-4.49
	6535	117	a	CDD	6Mbps	-13.86	-14.01	-10.92	4.02	-6.90	-5	-1.90
	6695	149	a	CDD	36Mbps	-14.02	-13.79	-10.89	4.02	-6.87	-5	-1.87
	6875	185	a	CDD	36Mbps	-14.27	-13.97	-11.11	4.02	-7.09	-5	-2.09
	6535	117	be (20MHz)	SDM	MCS3	-11.07	-10.81	-7.93	1.02	-6.91	-5	-1.91
	6695	149	be (20MHz)	SDM	MCS3	-11.10	-10.77	-7.92	1.02	-6.91	-5	-1.91
Band 7	6875	185	be (20MHz)	SDM	MCSS	-11.11	-10.97	-8.03	1.02	-7.01	-5	-2.01
	6565	123	be (40MHz)	SDM	MCSS	-11.15	-11.40	-8.26	1.02	-7.25	-5	-2.25
	6725	155	be (40MHz)	SDM	MCSS	-11.39	-11.41	-8.39	1.02	-7.37	-5	-2.37
	6845	179	be (40MHz)	SDM	MCSS	-11.30	-11.07	-8.17	1.02	-7.16	-5	-2.16
	6545	119	be (80MHz)	SDM	MCSS	-10.54	-10.44	-7.48	1.02	-6.46	-5	-1.46
	6705	151	be (80MHz)	SDM	MCSS	-10.71	-10.38	-7.53	1.02	-6.51	-5	-1.51
	6865	183	be (80MHz)	SDM	MCSS	-10.64	-10.59	-7.60	1.02	-6.59	-5	-1.59
	6665	143	be (160MHz)	SDM	MCS0	-11.95	-12.43	-9.17	1.02	-8.16	-5	-3.16
	6825	175	be (160MHz)	SDM	MCS0	-11.94	-12.45	-9.18	1.02	-8.16	-5	-3.16
	6895	189	a	CDD	36Mbps	-13.91	-13.82	-10.85	4.01	-6.84	-5	-1.84
	6995	209	a	CDD	18Mbps	-13.97	-13.93	-10.94	4.01	-6.93	-5	-1.93
	7115	233	a	CDD	36Mbps	-14.76	-14.43	-11.58	4.01	-7.57	-5	-2.57
	6895	189	be (20MHz)	SDM	MCSS	-11.67	-11.31	-8.48	1.05	-7.42	-5	-2.42
	6995	209	be (20MHz)	SDM	MCSS	-11.75	-11.26	-8.49	1.05	-7.44	-5	-2.44
	7115	233	be (20MHz)	SDM	MCSS	-11.97	-11.23	-8.58	1.05	-7.52	-5	-2.52
Band 8	6885	187	be (40MHz)	SDM	MCSS	-11.43	-11.62	-8.51	1.05	-7.46	-5	-2.46
	7005	211	be (40MHz)	SDM	MCSS	-11.29	-11.15	-8.21	1.05	-7.15	-5	-2.15
	7085	227	be (40MHz)	SDM	MCSS	-11.68	-11.10	-8.37	1.05	-7.32	-5	-2.32
	6945	199	be (80MHz)	SDM	MCSS	-10.47	-10.54	-7.50	1.05	-6.44	-5	-1.44
	7025	215	be (80MHz)	SDM	MCSS	-10.52	-10.40	-7.45	1.05	-6.40	-5	-1.40
	6985	207	be (160MHz)	SDM	MCS3	-11.59	-11.46	-8.51	1.05	-7.46	-5	-2.46

Table 7-33. Power Spectral Density Measurements CDD/SDM Primary

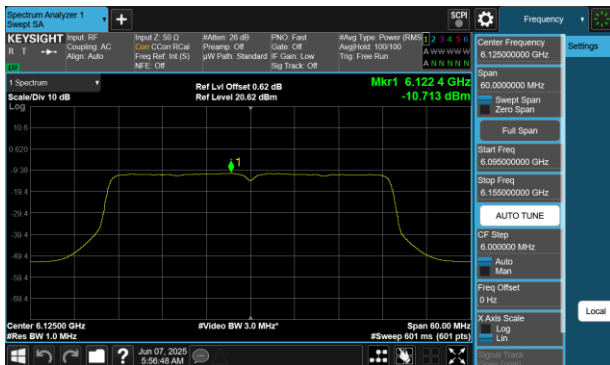
FCC ID: BCGA3357 IC: 579C-A3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 59 of 188



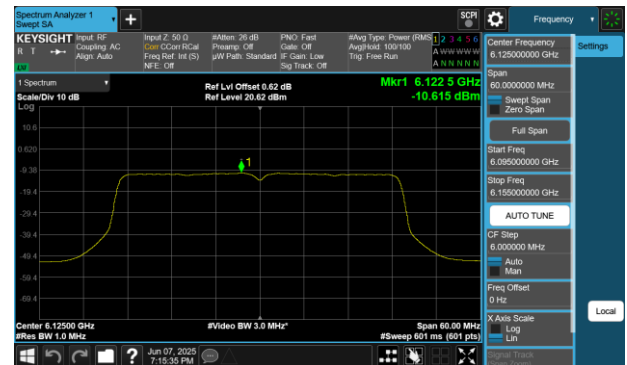
Plot 7-97 PSD CDD Primary Antenna WF5B (20MHz BW 802.11a - Ch.61)



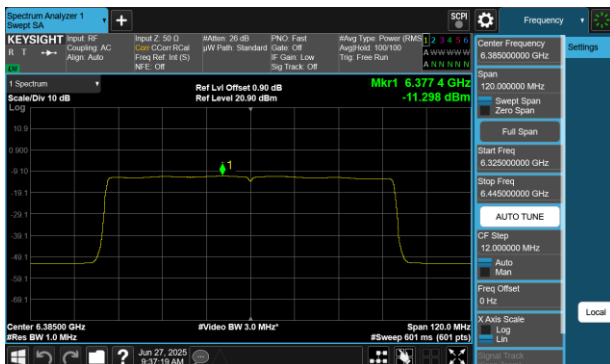
Plot 7-101 PSD CDD Primary Antenna WF8 (20MHz BW 802.11a - Ch.61)



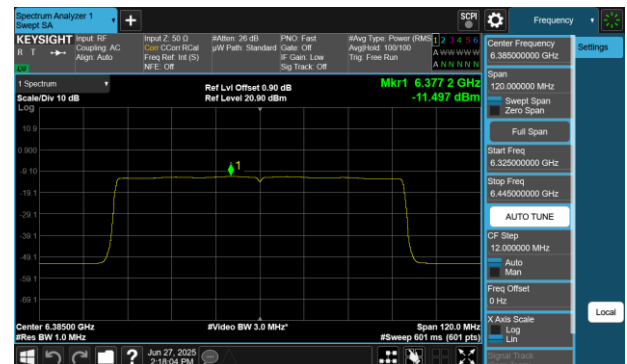
Plot 7-98 PSD SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) - Ch.35)



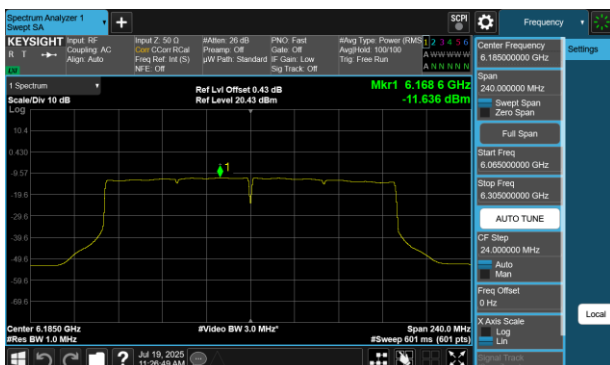
Plot 7-102 PSD SDM Primary Antenna WF8 (40MHz BW 802.11be(SU) - Ch.35)



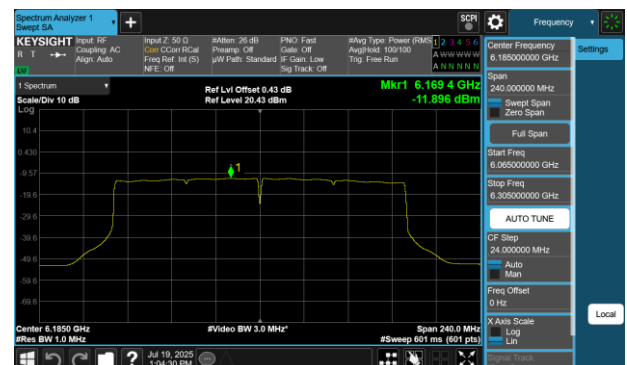
Plot 7-99 PSD SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) - Ch.87)



Plot 7-103 PSD SDM Primary Antenna WF8 (80MHz BW 802.11be(SU) - Ch.87)

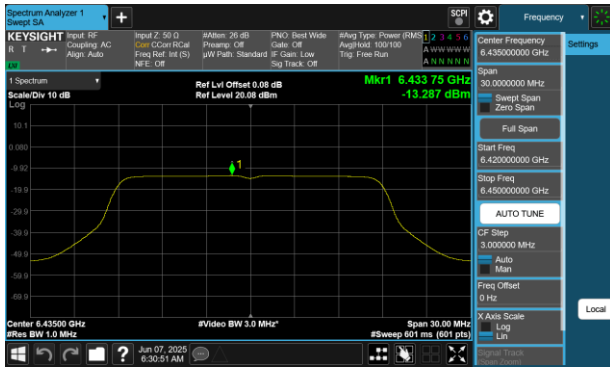


Plot 7-100 PSD SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) - Ch.47)

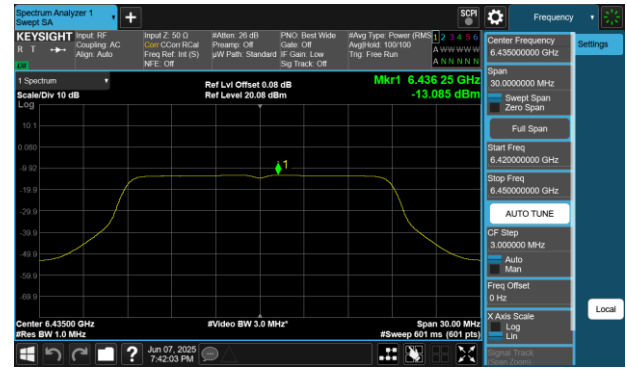


Plot 7-104 PSD SDM Primary Antenna WF8 (160MHz BW 802.11be(SU) - Ch.47)

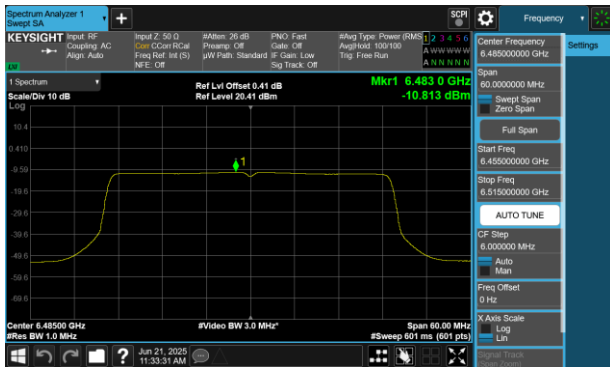
FCC ID: BCGA3357 IC: 579C-A3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 60 of 188



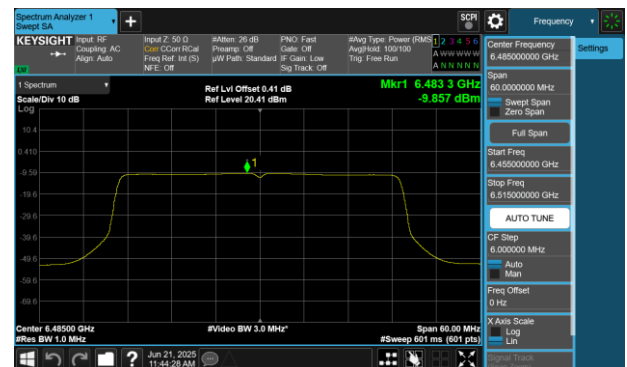
Plot 7-105 PSD CDD Primary Antenna WF5B (20MHz BW 802.11a - Ch.97)



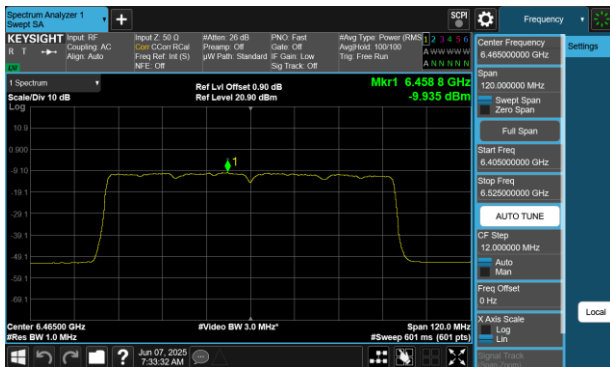
Plot 7-109 PSD CDD Primary Antenna WF8 (20MHz BW 802.11a - Ch.97)



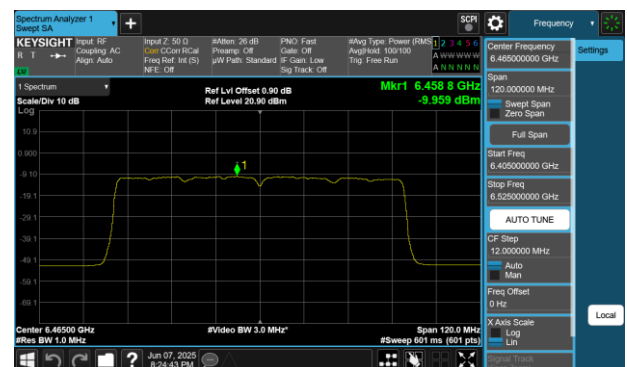
Plot 7-106 PSD SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) - Ch.107)



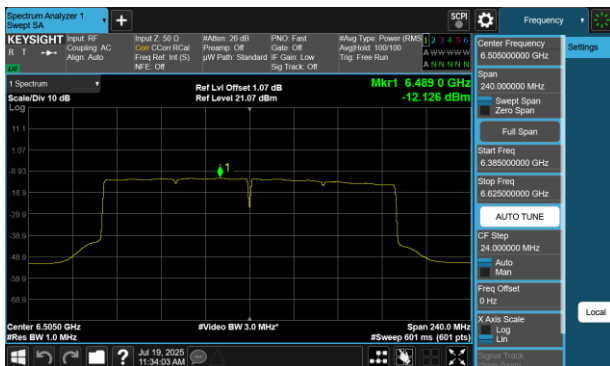
Plot 7-110 PSD SDM Primary Antenna WF8 (40MHz BW 802.11be(SU) - Ch.107)



Plot 7-107 PSD SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) - Ch.103)



Plot 7-111 PSD SDM Primary Antenna WF8 (80MHz BW 802.11be(SU) - Ch.103)

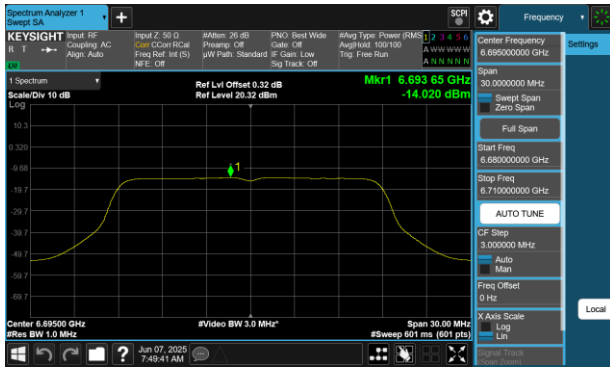


Plot 7-108 PSD SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) - Ch.111)

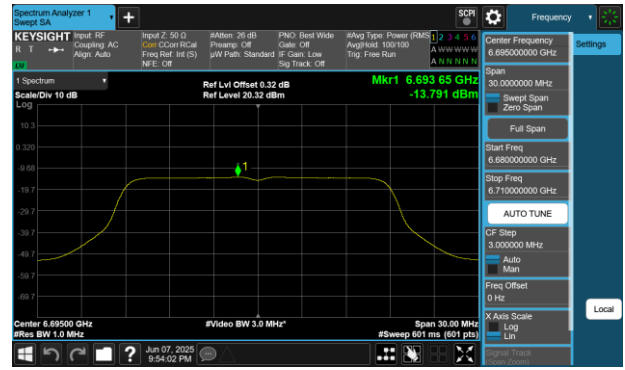


Plot 7-112 PSD SDM Primary Antenna WF8 (160MHz BW 802.11be(SU) - Ch.111)

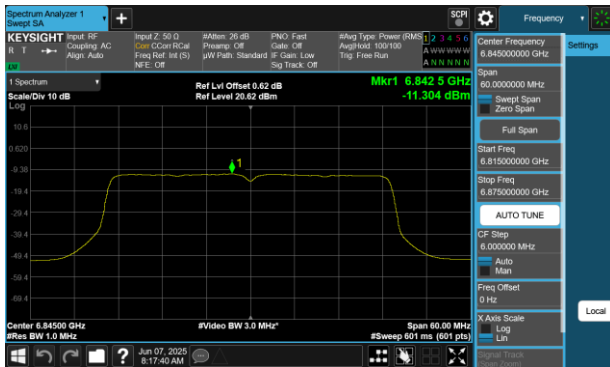
FCC ID: BCGA3357 IC: 579C-A3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 61 of 188



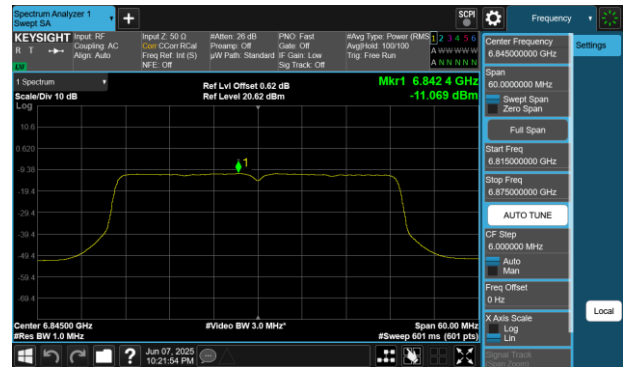
Plot 7-113 PSD CDD Primary Antenna WF5B (20MHz BW 802.11a - Ch.149)



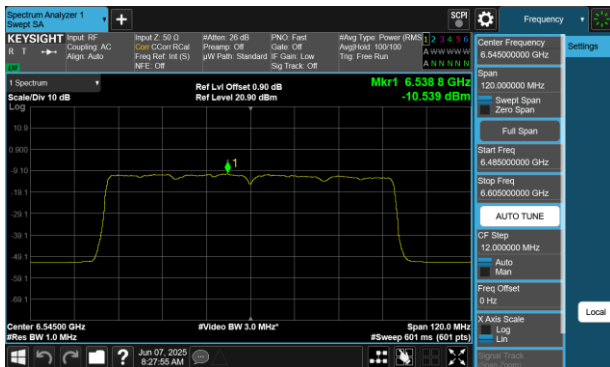
Plot 7-117 PSD CDD Primary Antenna WF8 (20MHz BW 802.11a - Ch.149)



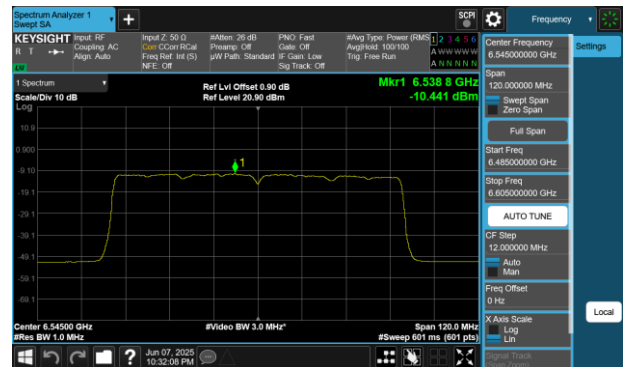
Plot 7-114 PSD SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) - Ch.179)



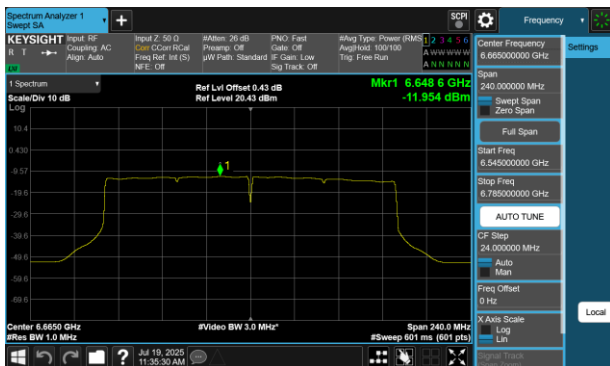
Plot 7-118 PSD SDM Primary Antenna WF8 (40MHz BW 802.11be(SU) - Ch.179)



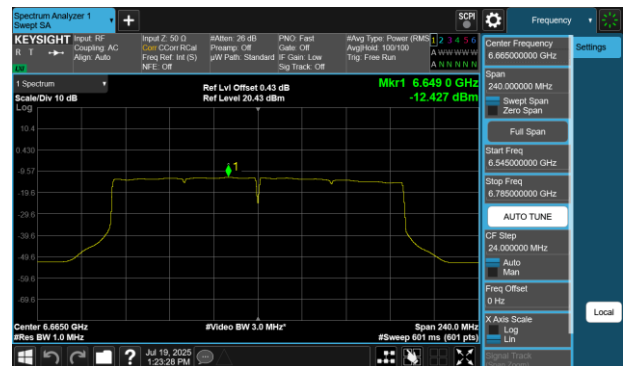
Plot 7-115 PSD SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) - Ch.119)



Plot 7-119 PSD SDM Primary Antenna WF8 (80MHz BW 802.11be(SU) - Ch.119)

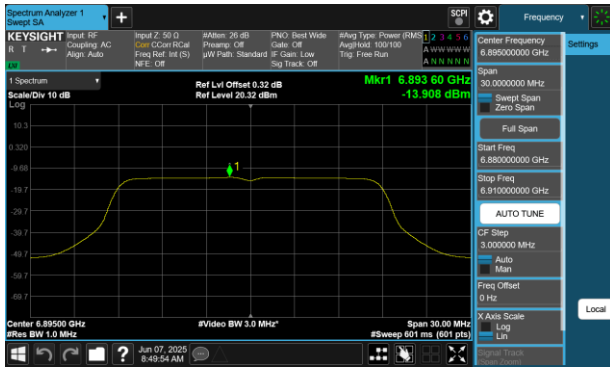


Plot 7-116 PSD SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) - Ch.143)

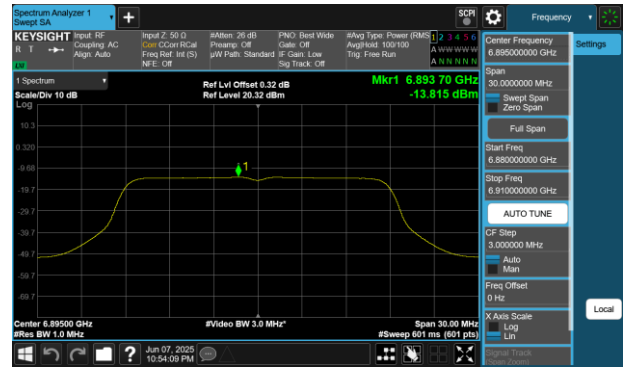


Plot 7-120 PSD SDM Primary Antenna WF8 (160MHz BW 802.11be(SU) - Ch.143)

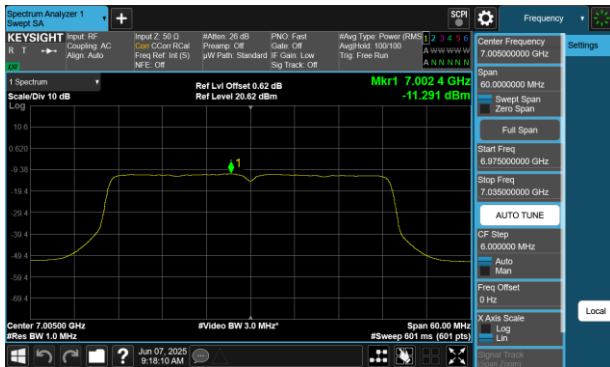
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 62 of 188



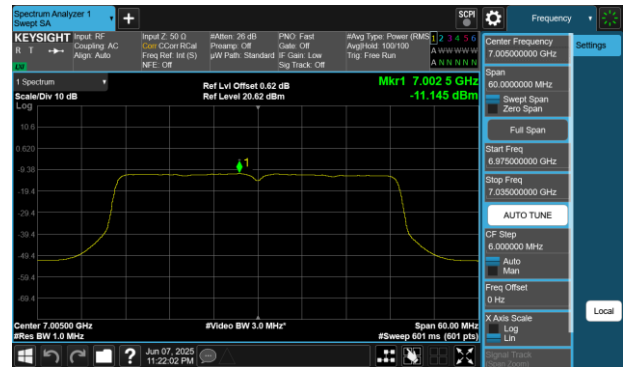
Plot 7-121 PSD CDD Primary Antenna WF5B (20MHz BW 802.11a - Ch.189)



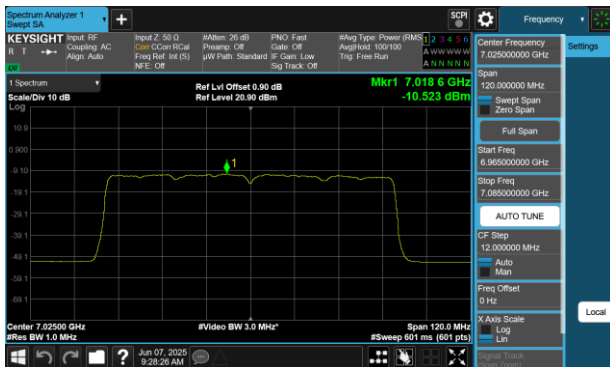
Plot 7-125 PSD CDD Primary Antenna WF8 (20MHz BW 802.11a - Ch.189)



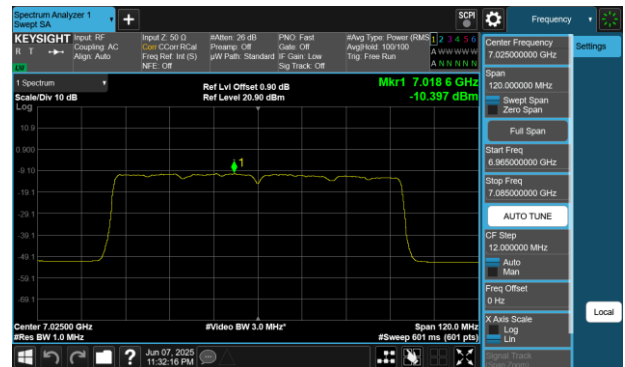
Plot 7-122 PSD SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) - Ch.211)



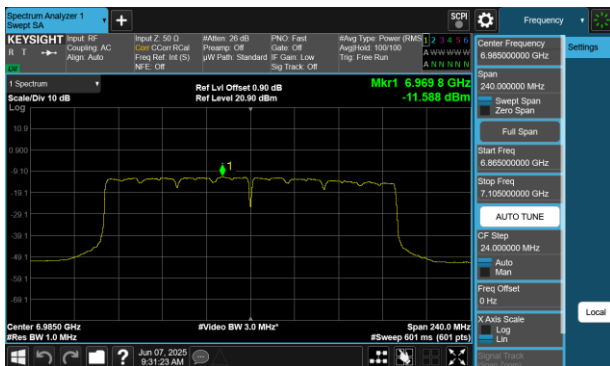
Plot 7-126 PSD SDM Primary Antenna WF8 (40MHz BW 802.11be(SU) - Ch.211)



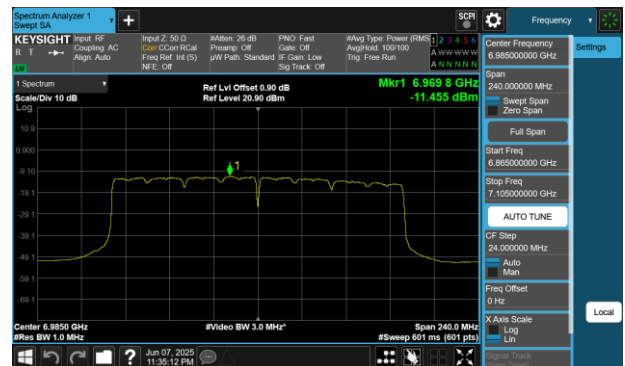
Plot 7-123 PSD SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-127 PSD SDM Primary Antenna WF8 (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-124 PSD SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) - Ch.207)



Plot 7-128 PSD SDM Primary Antenna WF8 (160MHz BW 802.11be(SU) - Ch.207)

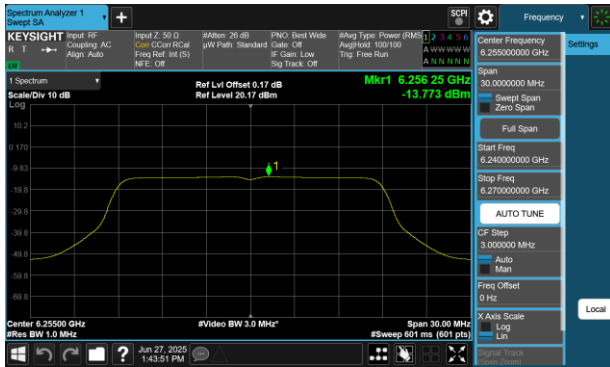
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 63 of 188

7.4.5 CDD/SDM Diversity Power Spectral Density Measurements – VLP

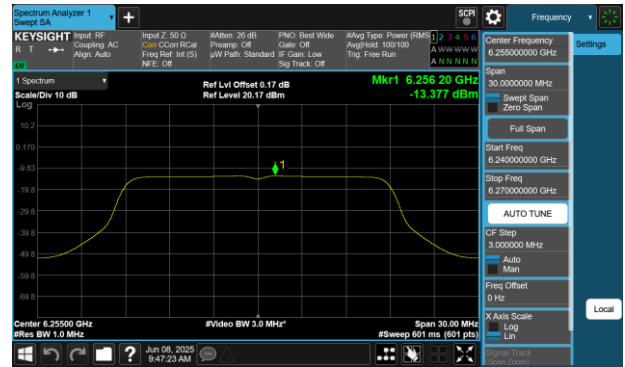
	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate	Antenna WF8 Measured Power Density [dBm/MHz]	Antenna WF7 Measured Power Density [dBm/MHz]	Summed MIMO Power Density [dBm/MHz]	Directional Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	6115	33	a	CDD	36Mbps	-14.00	-13.37	-10.66	3.12	-7.55	-5	-2.55
	6255	61	a	CDD	18Mbps	-13.77	-13.38	-10.56	3.12	-7.44	-5	-2.44
	6415	93	a	CDD	36Mbps	-14.23	-13.30	-10.73	2.97	-7.76	-5	-2.76
	6115	33	be (20MHz)	SDM	MCS0	-11.45	-10.23	-7.79	0.11	-7.68	-5	-2.68
	6255	61	be (20MHz)	SDM	MCS5	-10.93	-11.23	-8.06	0.11	-7.95	-5	-2.95
	6415	93	be (20MHz)	SDM	MCS5	-11.37	-10.20	-7.73	-0.03	-7.76	-5	-2.76
	6125	35	be (40MHz)	SDM	MCS5	-10.62	-10.74	-7.67	0.11	-7.56	-5	-2.56
	6245	59	be (40MHz)	SDM	MCS5	-10.77	-11.00	-7.87	0.11	-7.76	-5	-2.76
	6405	91	be (40MHz)	SDM	MCS5	-11.75	-10.92	-8.30	-0.03	-8.33	-5	-3.33
	6145	39	be (80MHz)	SDM	MCS5	-14.37	-9.88	-8.56	0.11	-8.45	-5	-3.45
	6225	55	be (80MHz)	SDM	MCS5	-14.27	-9.96	-8.59	0.11	-8.48	-5	-3.48
	6385	87	be (80MHz)	SDM	MCS5	-11.50	-9.97	-7.66	-0.03	-7.69	-5	-2.69
	6185	47	be (160MHz)	SDM	MCS0	-11.90	-11.55	-8.71	0.11	-8.60	-5	-3.60
	6345	79	be (160MHz)	SDM	MCS3	-12.65	-11.20	-8.86	-0.03	-8.88	-5	-3.88
Band 6	6435	97	a	CDD	36Mbps	-13.22	-13.22	-10.21	3.48	-6.73	-5	-1.73
	6475	105	a	CDD	36Mbps	-13.32	-13.22	-10.26	3.48	-6.77	-5	-1.77
	6515	113	a	CDD	36Mbps	-13.40	-13.23	-10.30	3.48	-6.82	-5	-1.82
	6435	97	be (20MHz)	SDM	MCS3	-11.29	-11.30	-8.28	0.50	-7.78	-5	-2.78
	6475	105	be (20MHz)	SDM	MCS5	-10.95	-11.33	-8.13	0.50	-7.63	-5	-2.63
	6515	113	be (20MHz)	SDM	MCS3	-10.92	-11.41	-8.15	0.50	-7.65	-5	-2.65
	6445	99	be (40MHz)	SDM	MCS5	-10.46	-10.61	-7.52	0.50	-7.02	-5	-2.02
	6485	107	be (40MHz)	SDM	MCS3	-9.86	-10.59	-7.20	0.50	-6.70	-5	-1.70
	6525	115	be (40MHz)	SDM	MCS5	-11.43	-11.32	-8.36	0.50	-7.86	-5	-2.86
	6465	103	be (80MHz)	SDM	MCS5	-9.96	-9.83	-6.88	0.50	-6.38	-5	-1.38
	6505	111	be (160MHz)	SDM	MCS0	-12.58	-12.23	-9.39	0.50	-8.89	-5	-3.89
Band 7	6535	117	a	CDD	6Mbps	-14.01	-13.93	-10.96	3.66	-7.30	-5	-2.30
	6695	149	a	CDD	36Mbps	-13.79	-13.84	-10.81	3.66	-7.15	-5	-2.15
	6875	185	a	CDD	36Mbps	-13.97	-14.07	-11.01	3.66	-7.35	-5	-2.35
	6535	117	be (20MHz)	SDM	MCS3	-10.81	-11.38	-8.07	0.65	-7.42	-5	-2.42
	6695	149	be (20MHz)	SDM	MCS3	-10.77	-11.15	-7.95	0.65	-7.30	-5	-2.30
	6875	185	be (20MHz)	SDM	MCS5	-10.97	-11.24	-8.09	0.65	-7.44	-5	-2.44
	6565	123	be (40MHz)	SDM	MCS3	-11.62	-11.81	-8.70	0.65	-8.05	-5	-3.05
	6725	155	be (40MHz)	SDM	MCS5	-11.41	-11.11	-8.25	0.65	-7.60	-5	-2.60
	6845	179	be (40MHz)	SDM	MCS5	-11.07	-11.32	-8.18	0.65	-7.53	-5	-2.53
	6545	119	be (80MHz)	SDM	MCS5	-10.44	-10.56	-7.49	0.65	-6.84	-5	-1.84
	6705	151	be (80MHz)	SDM	MCS5	-10.38	-10.54	-7.45	0.65	-6.80	-5	-1.80
	6865	183	be (80MHz)	SDM	MCS5	-10.59	-10.70	-7.63	0.65	-6.98	-5	-1.98
	6665	143	be (160MHz)	SDM	MCS0	-12.43	-12.03	-9.21	0.65	-8.56	-5	-3.56
	6825	175	be (160MHz)	SDM	MCS5	-12.47	-12.02	-9.23	0.65	-8.58	-5	-3.58
Band 8	6895	189	a	CDD	6Mbps	-13.79	-14.20	-10.98	2.67	-8.31	-5	-3.31
	6995	209	a	CDD	18Mbps	-13.93	-14.31	-11.10	2.67	-8.44	-5	-3.44
	7115	233	a	CDD	36Mbps	-14.43	-14.34	-11.37	2.67	-8.71	-5	-3.71
	6895	189	be (20MHz)	SDM	MCS3	-11.42	-11.75	-8.57	-0.34	-8.91	-5	-3.91
	6995	209	be (20MHz)	SDM	MCS5	-11.26	-11.60	-8.42	-0.34	-8.76	-5	-3.76
	7115	233	be (20MHz)	SDM	MCS5	-11.23	-11.71	-8.46	-0.34	-8.79	-5	-3.79
	6885	187	be (40MHz)	SDM	MCS5	-11.62	-11.74	-8.67	-0.34	-9.00	-5	-4.00
	7005	211	be (40MHz)	SDM	MCS5	-11.15	-11.34	-8.23	-0.34	-8.57	-5	-3.57
	7085	227	be (40MHz)	SDM	MCS5	-11.10	-11.17	-8.13	-0.34	-8.46	-5	-3.46
	6945	199	be (80MHz)	SDM	MCS5	-10.54	-10.55	-7.54	-0.34	-7.87	-5	-2.87
	7025	215	be (80MHz)	SDM	MCS5	-10.40	-10.68	-7.53	-0.34	-7.86	-5	-2.86
	6985	207	be (160MHz)	SDM	MCS3	-11.46	-11.74	-8.59	-0.34	-8.92	-5	-3.92

Table 7-34. Power Spectral Density Measurements CDD/SDM Diversity

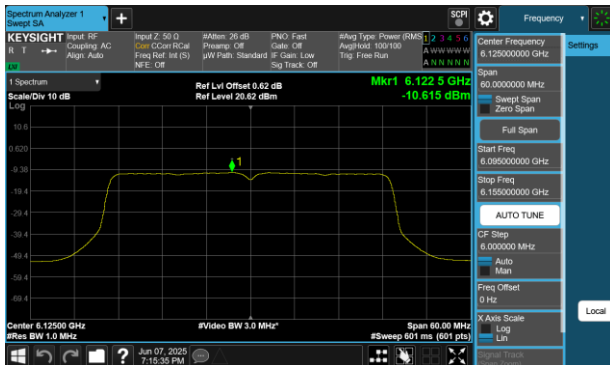
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 64 of 188



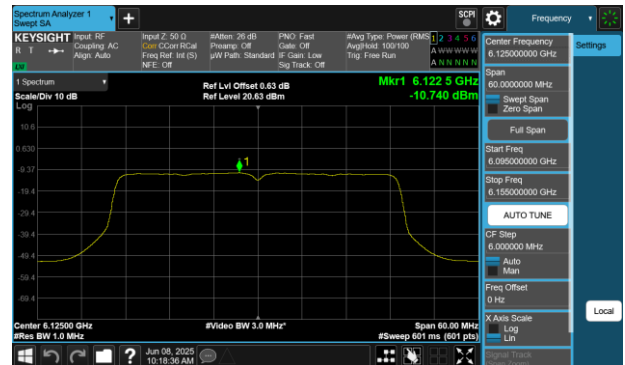
Plot 7-129 PSD CDD Diversity Antenna WF8 (20MHz BW 802.11a - Ch.61)



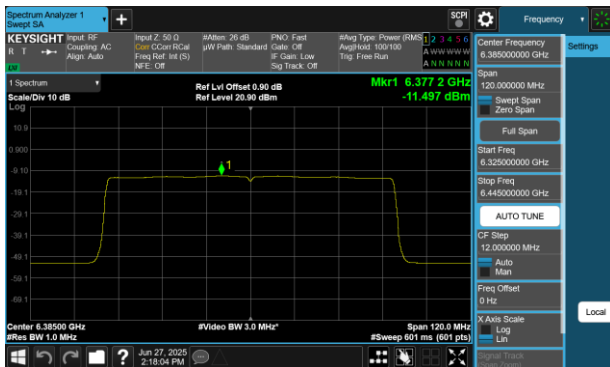
Plot 7-133 PSD CDD Diversity Antenna WF7 (20MHz BW 802.11a - Ch.61)



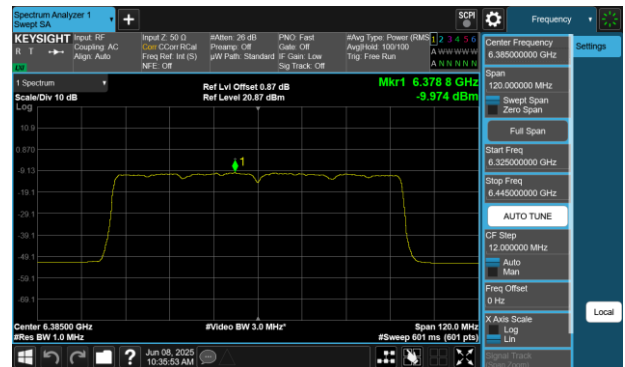
Plot 7-130 PSD SDM Diversity Antenna WF8 (40MHz BW 802.11be(SU) - Ch.35)



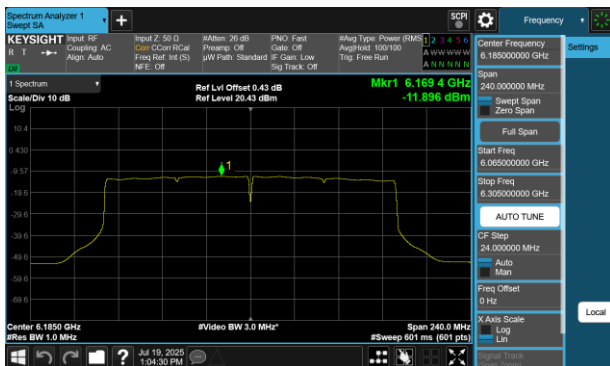
Plot 7-134 PSD SDM Diversity Antenna WF7 (40MHz BW 802.11be(SU) - Ch.35)



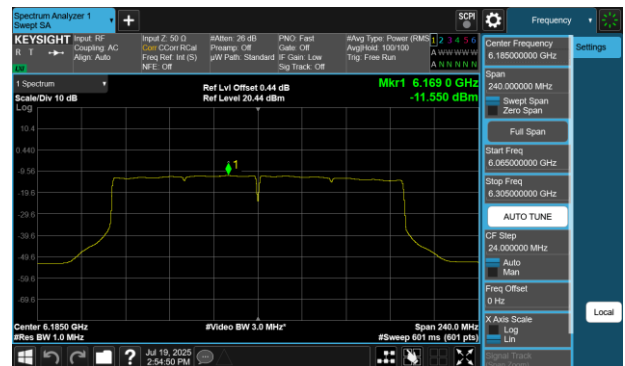
Plot 7-131 PSD SDM Diversity Antenna WF8 (80MHz BW 802.11be(SU) - Ch.87)



Plot 7-135 PSD SDM Diversity Antenna WF7 (80MHz BW 802.11be(SU) - Ch.87)

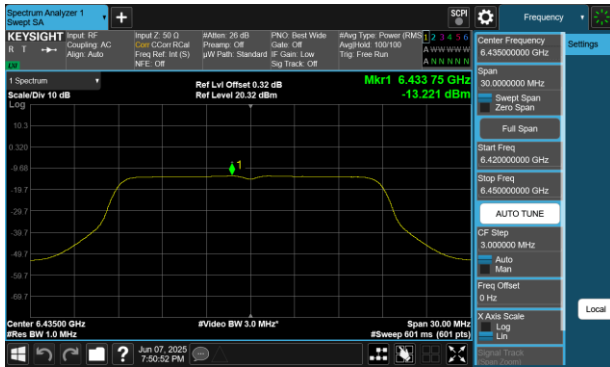


Plot 7-132 PSD SDM Diversity Antenna WF8 (160MHz BW 802.11be(SU) - Ch.47)

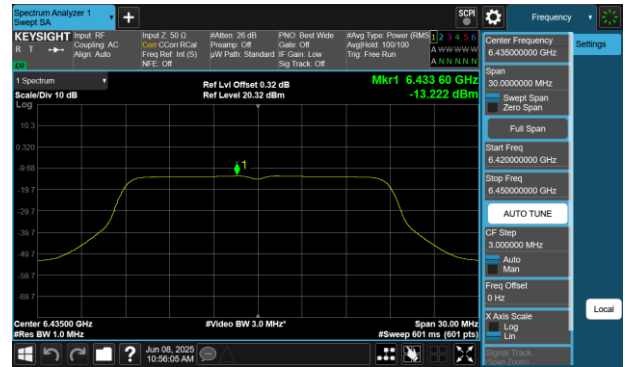


Plot 7-136 PSD SDM Diversity Antenna WF7 (160MHz BW 802.11be(SU) - Ch.47)

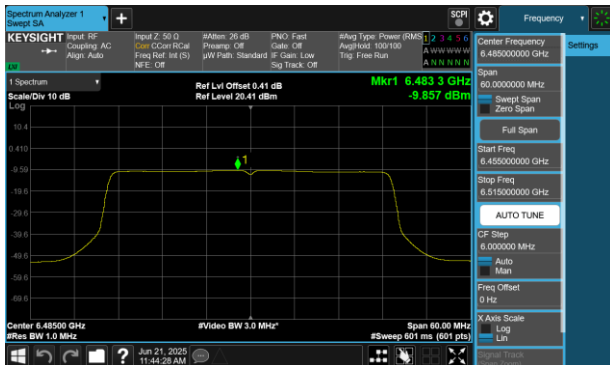
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 65 of 188



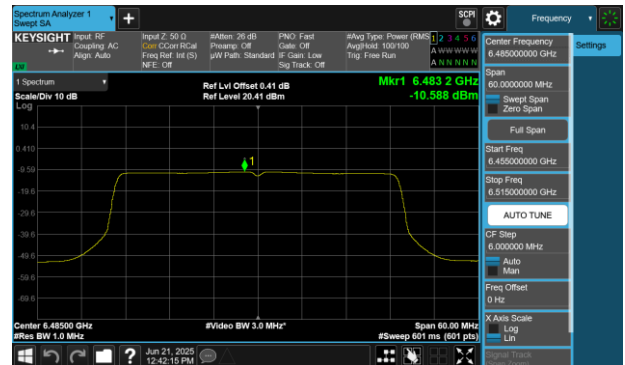
Plot 7-137 PSD CDD Diversity Antenna WF8 (20MHz BW 802.11a - Ch.97)



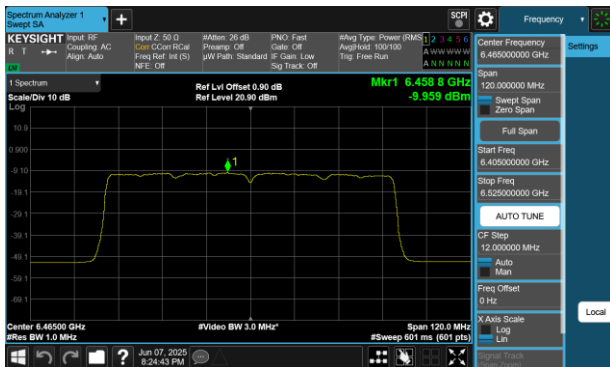
Plot 7-141 PSD CDD Diversity Antenna WF7 (20MHz BW 802.11a - Ch.97)



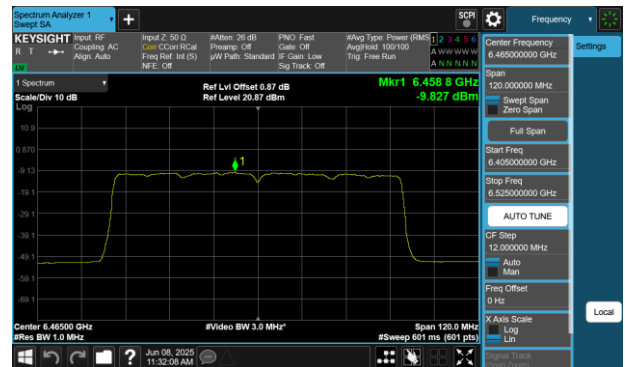
Plot 7-138 PSD SDM Diversity Antenna WF8 (40MHz BW 802.11be(SU) - Ch.107)



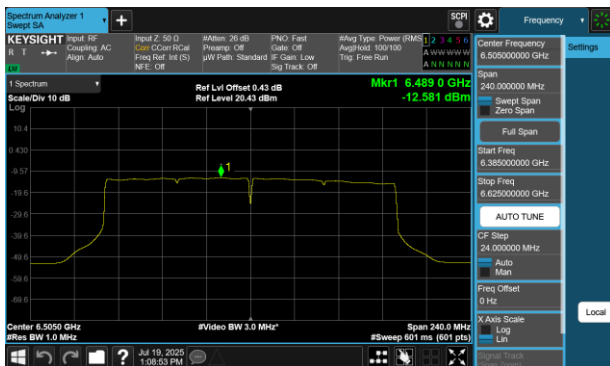
Plot 7-142 PSD SDM Diversity Antenna WF7 (40MHz BW 802.11be(SU) - Ch.107)



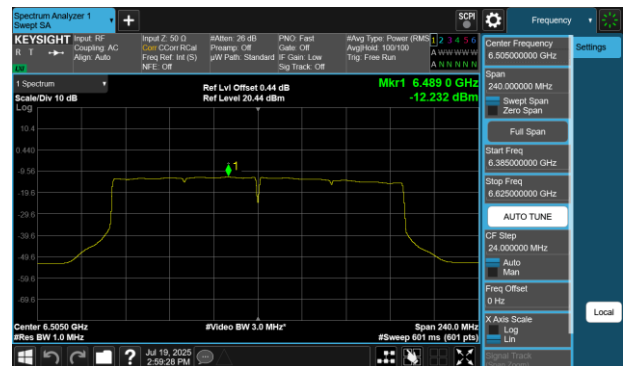
Plot 7-139 PSD SDM Diversity Antenna WF8 (80MHz BW 802.11be(SU) - Ch.103)



Plot 7-143 PSD SDM Diversity Antenna WF7 (80MHz BW 802.11be(SU) - Ch.103)

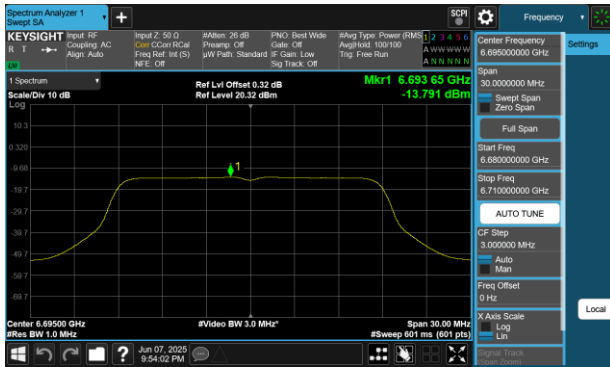


Plot 7-140 PSD SDM Diversity Antenna WF8 (160MHz BW 802.11be(SU) - Ch.111)

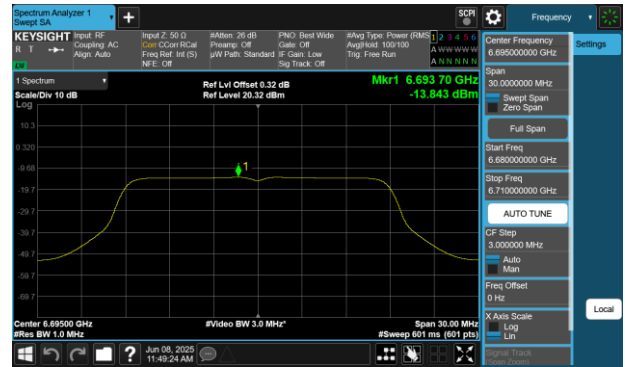


Plot 7-144 PSD SDM Diversity Antenna WF7 (160MHz BW 802.11be(SU) - Ch.111)

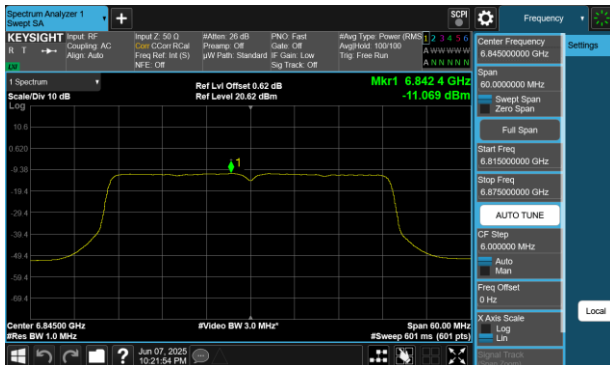
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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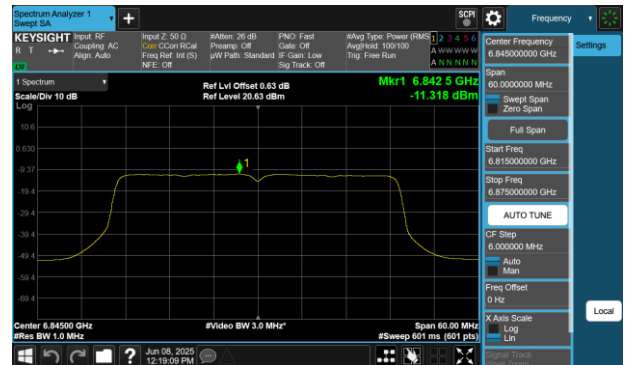
Plot 7-145 PSD CDD Diversity Antenna WF8 (20MHz BW 802.11a - Ch.149)



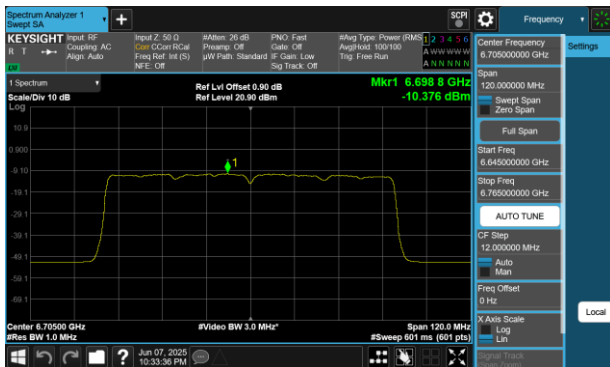
Plot 7-149 PSD CDD Diversity Antenna WF7 (20MHz BW 802.11a - Ch.149)



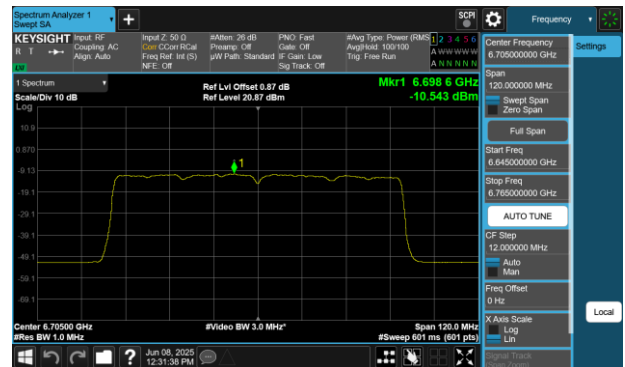
Plot 7-146 PSD SDM Diversity Antenna WF8 (40MHz BW 802.11be(SU) - Ch.179)



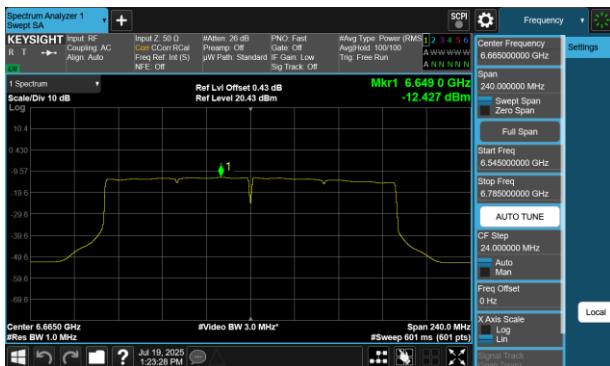
Plot 7-150 PSD SDM Diversity Antenna WF7 (40MHz BW 802.11be(SU) - Ch.179)



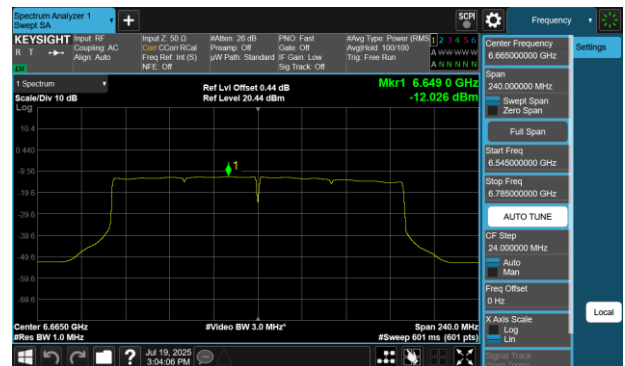
Plot 7-147 PSD SDM Diversity Antenna WF8 (80MHz BW 802.11be(SU) - Ch.151)



Plot 7-151 PSD SDM Diversity Antenna WF7 (80MHz BW 802.11be(SU) - Ch.151)

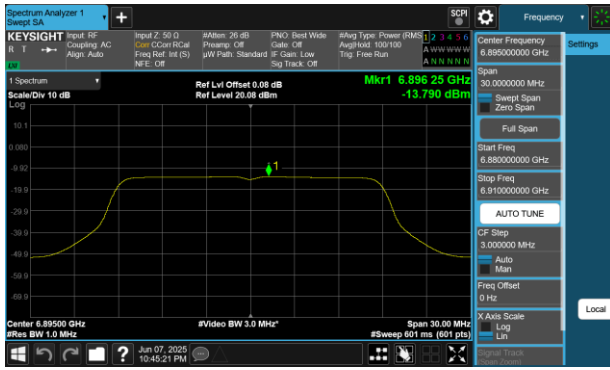


Plot 7-148 PSD SDM Diversity Antenna WF8 (160MHz BW 802.11be(SU) - Ch.143)

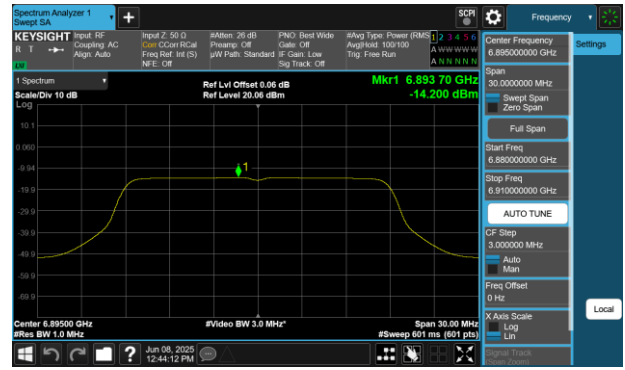


Plot 7-152 PSD SDM Diversity Antenna WF7 (160MHz BW 802.11be(SU) - Ch.143)

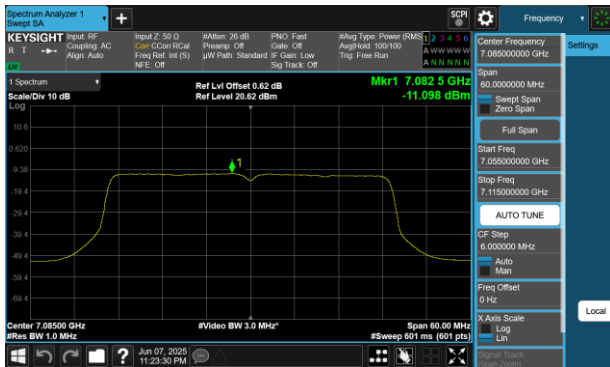
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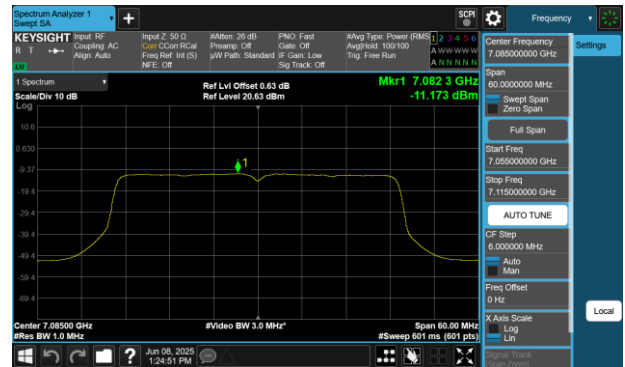
Plot 7-153 PSD CDD Diversity Antenna WF8 (20MHz BW 802.11a - Ch.189)



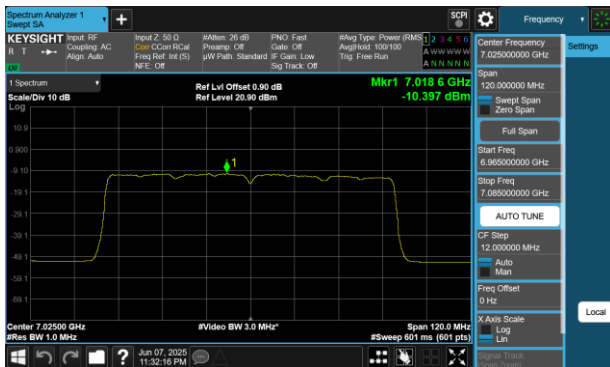
Plot 7-157 PSD CDD Diversity Antenna WF7 (20MHz BW 802.11a - Ch.189)



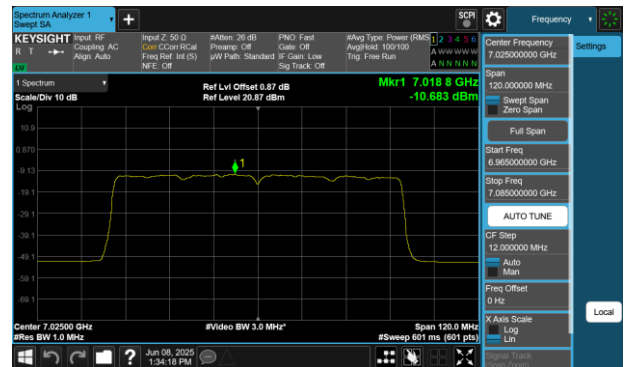
Plot 7-154 PSD SDM Diversity Antenna WF8 (40MHz BW 802.11be(SU) - Ch.227)



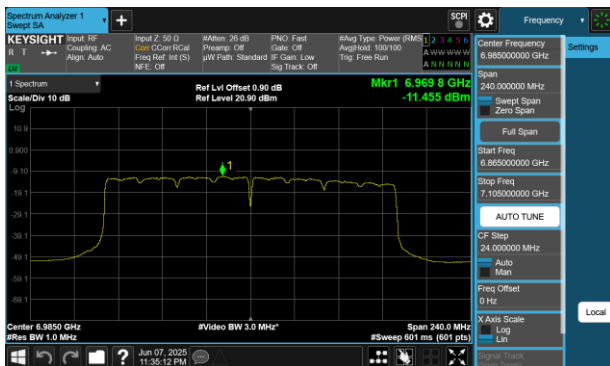
Plot 7-158 PSD SDM Diversity Antenna WF7 (40MHz BW 802.11be(SU) - Ch.227)



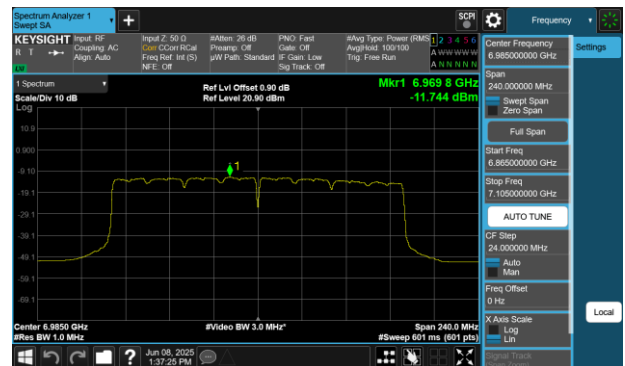
Plot 7-155 PSD SDM Diversity Antenna WF8 (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-159 PSD SDM Diversity Antenna WF7 (80MHz BW 802.11be(SU) - Ch.215)



Plot 7-156 PSD SDM Diversity Antenna WF8 (160MHz BW 802.11be(SU) - Ch.207)



Plot 7-160 PSD SDM Diversity Antenna WF7 (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 WF8 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 0.5 dBi for Antenna WF5B and 0.4 dBi for Antenna WF8.

$$\begin{aligned}\text{Directional gain} &= 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{0.5/20} + 10^{0.4/20})^2 / 2] \text{ dBi} \\ &= 3.46 \text{ dBi}\end{aligned}$$

For uncorrelated signals, assuming the antenna gain is 0.5 dBi for Antenna WF5B and 0.4 dBi for Antenna WF8.

$$\begin{aligned}\text{Directional gain} &= 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{0.5/10} + 10^{0.4/10}) / 2] \text{ dBi} \\ &= 0.45 \text{ dBi}\end{aligned}$$

Sample SDM Calculation:

At 6115MHz in 802.11be (20MHz BW) mode, the average conducted power spectral density was measured to be -11.42 dBm for Antenna WF5B and -11.29 dBm for Antenna WF8.

$$\text{Antenna WF5B} + \text{Antenna WF8} = \text{CDD/SDM}$$

$$(-11.42 \text{ dBm} + -11.29 \text{ dBm}) = (0.072 \text{ mW} + 0.074 \text{ mW}) = 0.146 \text{ mW} = -8.35 \text{ dBm}$$

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

At 6115MHz in 802.11be (20MHz BW) mode, the average SDM power density was calculated to be -8.35 dBm with directional gain of 0.45 dBi.

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

$$-8.35 \text{ dBm} + 0.45 \text{ dBi} = -7.90 \text{ dBm}$$

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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 12.4.1 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. Only the worst-case plots are reported.

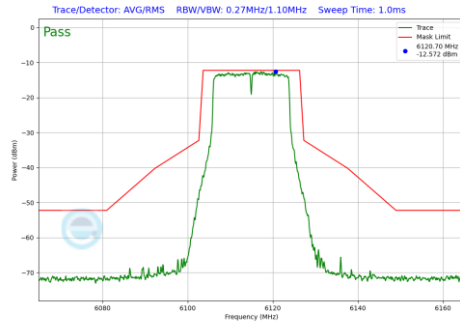
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7.5.1 Antenna WF5B In-Band Emission Measurements – VLP

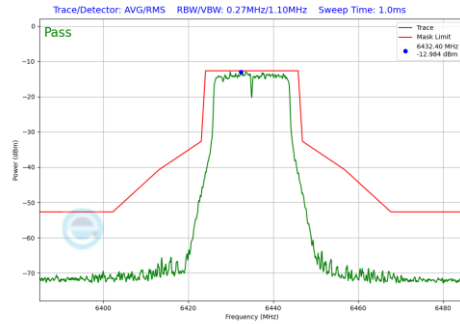
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Antenna WF5B In-Band Emission
Band 5	6115	33	a	6Mbps	Pass
	6175	61	a	36Mbps	Pass
	6415	93	a	36Mbps	Pass
	6115	33	be (20MHz)	MCS5	Pass
	6175	61	be (20MHz)	MCS5	Pass
	6415	93	be (20MHz)	MCS5	Pass
	6125	35	be (40MHz)	MCS5	Pass
	6165	59	be (40MHz)	MCS5	Pass
	6405	91	be (40MHz)	MCS5	Pass
	6145	39	be (80MHz)	MCS5	Pass
	6145	55	be (80MHz)	MCS5	Pass
	6385	87	be (80MHz)	MCS5	Pass
	6185	47	be (160MHz)	MCS5	Pass
Band 6	6345	79	be (160MHz)	MCS3	Pass
	6435	97	a	36Mbps	Pass
	6475	105	a	36Mbps	Pass
	6515	113	a	36Mbps	Pass
	6345	97	be (20MHz)	MCS5	Pass
	6475	105	be (20MHz)	MCS5	Pass
	6515	113	be (20MHz)	MCS5	Pass
	6445	99	be (40MHz)	MCS5	Pass
	6485	107	be (40MHz)	MCS5	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	36Mbps	Pass
	6875	185	a	36Mbps	Pass
	6535	117	be (20MHz)	MCS5	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
	6885	179	be (40MHz)	MCS5	Pass
	6545	119	be (80MHz)	MCS5	Pass
	6705	151	be (80MHz)	MCS5	Pass
	6865	183	be (80MHz)	MCS5	Pass
	6665	143	be (160MHz)	MCS5	Pass
	6825	175	be (160MHz)	MCS5	Pass
Band 8	6895	189	a	36Mbps	Pass
	6995	209	a	36Mbps	Pass
	7115	233	a	36Mbps	Pass
	6895	189	be (20MHz)	MCS5	Pass
	6995	209	be (20MHz)	MCS5	Pass
	7115	233	be (20MHz)	MCS5	Pass
	6925	187	be (40MHz)	MCS5	Pass
	7005	211	be (40MHz)	MCS5	Pass
	7085	227	be (40MHz)	MCS5	Pass
	6945	199	be (80MHz)	MCS5	Pass
	7025	215	be (80MHz)	MCS5	Pass
	6985	207	be (160MHz)	MCS3	Pass

Table 7-35. In-Band Emission Measurements Antenna WF5B

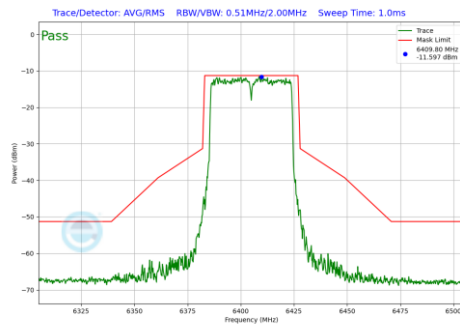
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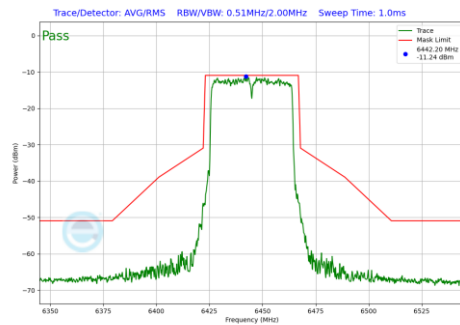
Plot 7-161 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11a (UNII Band 5) - Ch.33)



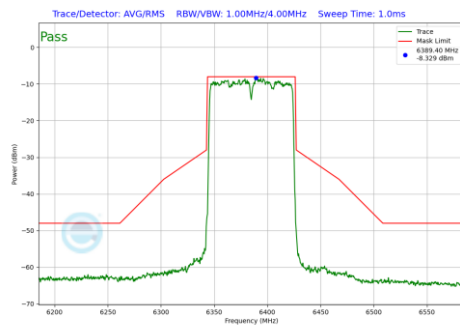
Plot 7-165 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11a (UNII Band 6) - Ch.97)



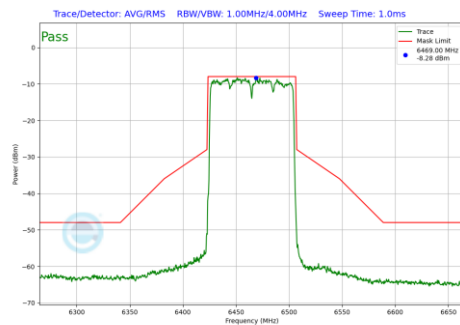
Plot 7-162 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.91)



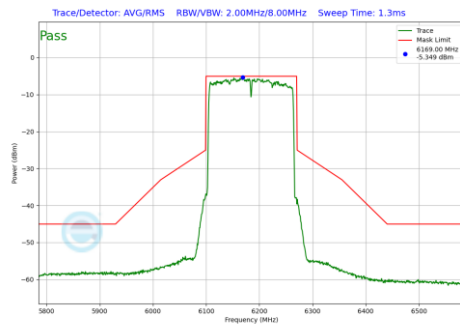
Plot 7-166 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.99)



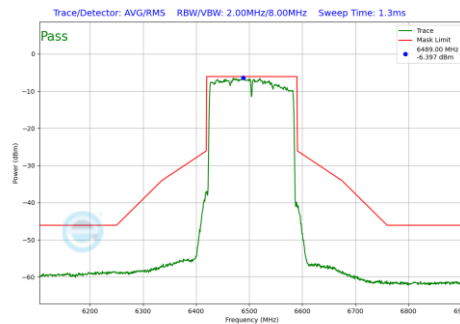
Plot 7-163 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.87)



Plot 7-167 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)



Plot 7-164 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.47)



Plot 7-168 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

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