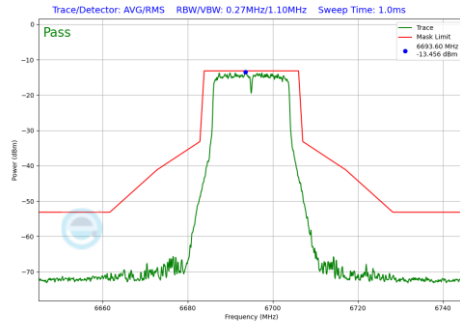
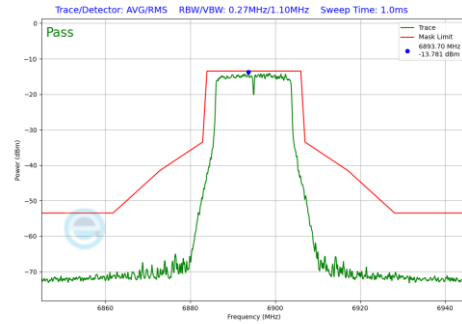
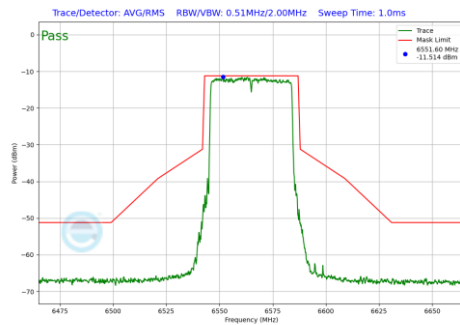




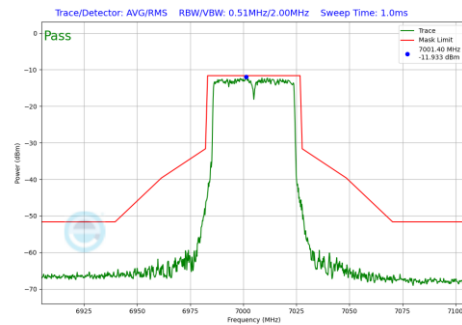
Plot 7-169 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11a (UNII Band 7) - Ch.149)



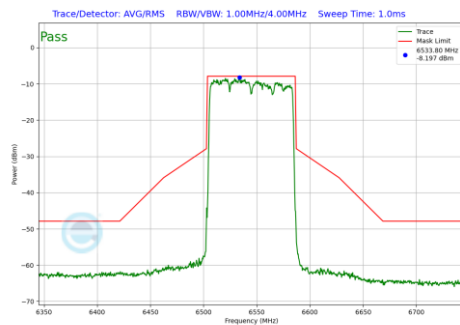
Plot 7-173 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11a (UNII Band 8) - Ch.189)



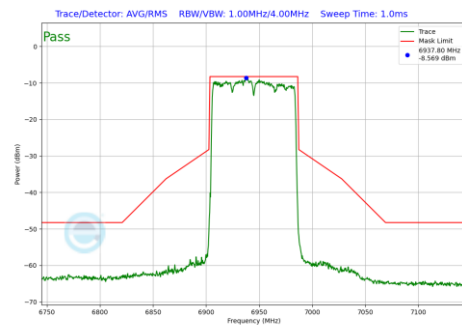
Plot 7-170 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.123)



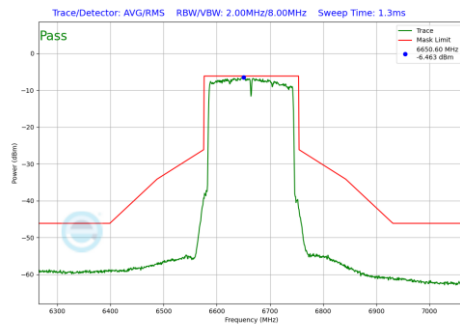
Plot 7-174 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 8) - Ch.211)



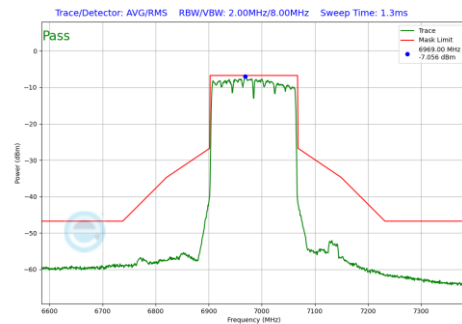
Plot 7-171 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.119)



Plot 7-175 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 8) - Ch.199)



Plot 7-172 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)



Plot 7-176 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 8) - 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 74 of 188	

7.5.2 Antenna WF8 In-Band Emission Measurements – VLP

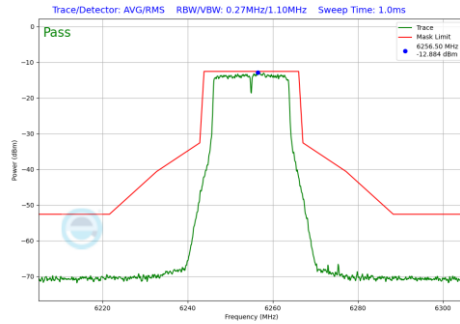
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Antenna WF8 In-Band Emission
Band 5	6115	33	a	6Mbps	Pass
	6175	61	a	36Mbps	Pass
	6415	93	a	36Mbps	Pass
	6115	33	be (20MHz)	MCS3	Pass
	6175	61	be (20MHz)	MCS3	Pass
	6415	93	be (20MHz)	MCS3	Pass
	6125	35	be (40MHz)	MCS3	Pass
	6165	59	be (40MHz)	MCS3	Pass
	6405	91	be (40MHz)	MCS0	Pass
	6145	39	be (80MHz)	MCS0	Pass
	6145	55	be (80MHz)	MCS0	Pass
	6385	87	be (80MHz)	MCS5	Pass
	6185	47	be (160MHz)	MCS5	Pass
Band 6	6345	79	be (160MHz)	MCS0	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)	MCS3	Pass
	6525	115	be (40MHz)	MCS5	Pass
	6465	103	be (80MHz)	MCS5	Pass
Band 7	6505	111	be (160MHz)	MCS5	Pass
	6535	117	a	18Mbps	Pass
	6695	149	a	18Mbps	Pass
	6875	185	a	36Mbps	Pass
	6535	117	be (20MHz)	MCS3	Pass
	6695	149	be (20MHz)	MCS5	Pass
	6875	185	be (20MHz)	MCS3	Pass
	6565	123	be (40MHz)	MCS3	Pass
	6725	155	be (40MHz)	MCS0	Pass
	6885	179	be (40MHz)	MCS5	Pass
	6545	119	be (80MHz)	MCS5	Pass
	6705	151	be (80MHz)	MCS0	Pass
	6865	183	be (80MHz)	MCS0	Pass
	6665	143	be (160MHz)	MCS5	Pass
Band 8	6825	175	be (160MHz)	MCS3	Pass
	6895	189	a	36Mbps	Pass
	6995	209	a	6Mbps	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)	MCS0	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 7-36. In-Band Emission Measurements Antenna WF8

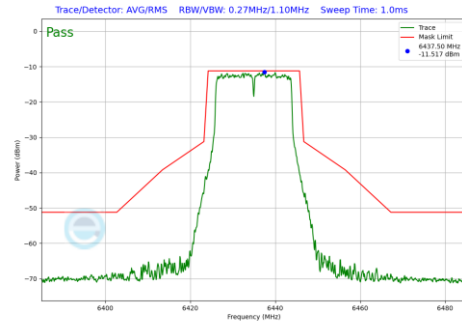
FCC ID: BCGA3357 IC: 579C-A3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 75 of 188

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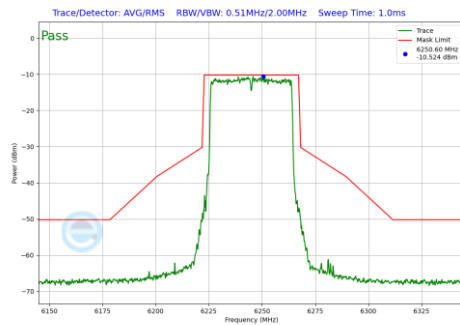
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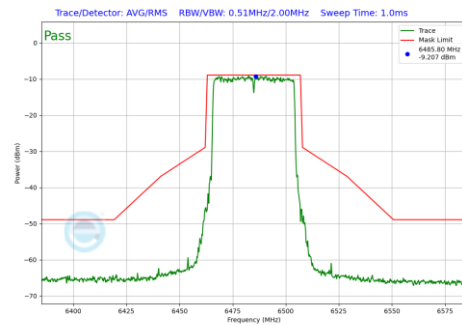
Plot 7-177 In-Band Emission Plot Antenna WF8 (20MHz BW 802.11a (UNII Band 5) - Ch.61)



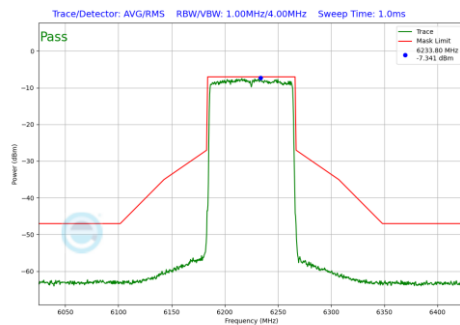
Plot 7-181 In-Band Emission Plot Antenna WF8 (20MHz BW 802.11a (UNII Band 6) - Ch.97)



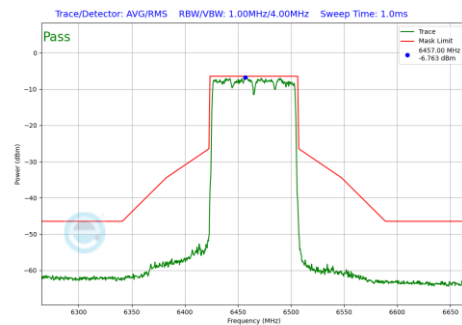
Plot 7-178 In-Band Emission Plot Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.59)



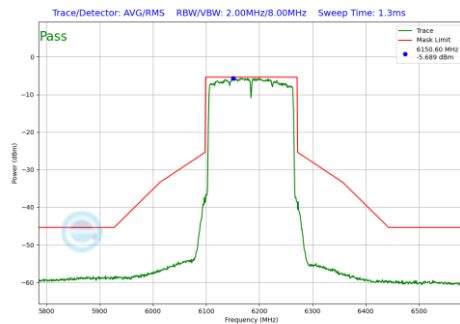
Plot 7-182 In-Band Emission Plot Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.107)



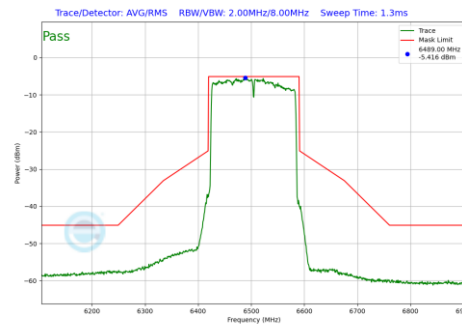
Plot 7-179 In-Band Emission Plot Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.55)



Plot 7-183 In-Band Emission Plot Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)

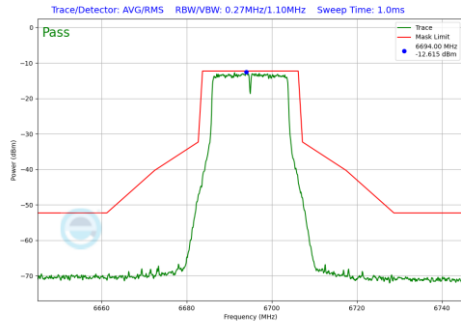


Plot 7-180 In-Band Emission Plot Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.47)

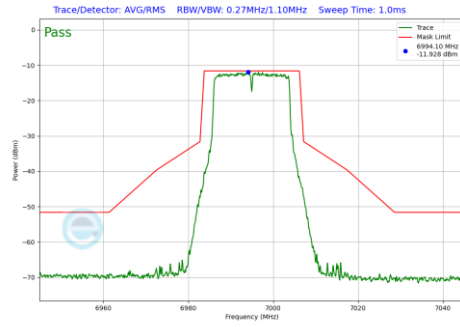


Plot 7-184 In-Band Emission Plot Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

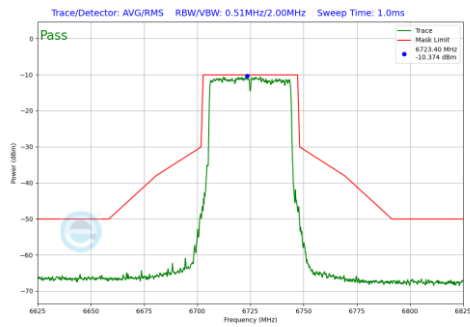
FCC ID: BCGA3357 IC: 579C-A3357			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 76 of 188	



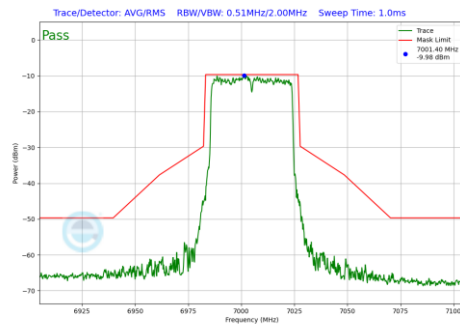
Plot 7-185 In-Band Emission Plot Antenna WF8 (20MHz BW 802.11a (UNII Band 7) - Ch.149)



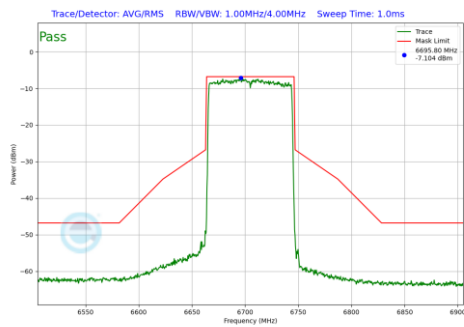
Plot 7-189 In-Band Emission Plot Antenna WF8 (20MHz BW 802.11a (UNII Band 8) - Ch.209)



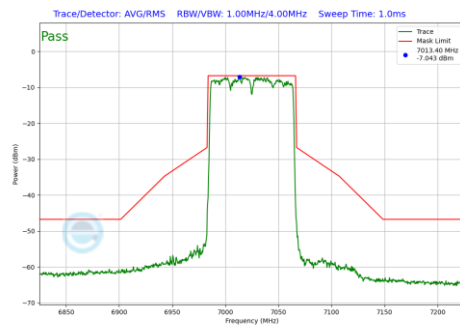
Plot 7-186 In-Band Emission Plot Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.155)



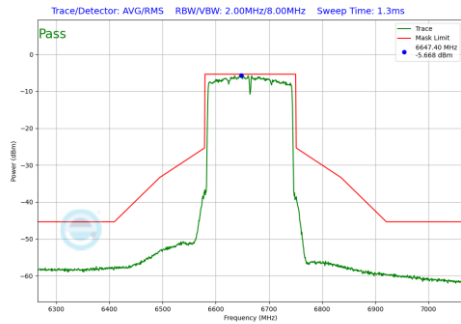
Plot 7-190 In-Band Emission Plot Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 8) - Ch.211)



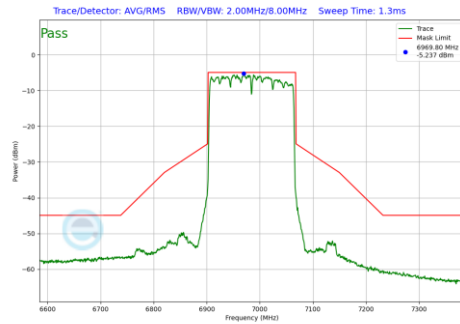
Plot 7-187 In-Band Emission Plot Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.151)



Plot 7-191 In-Band Emission Plot Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 8) - Ch.215)



Plot 7-188 In-Band Emission Plot Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)



Plot 7-192 In-Band Emission Plot Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 8) - 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 77 of 188	

7.5.3 Antenna WF7 In-Band Emission Measurements – VLP

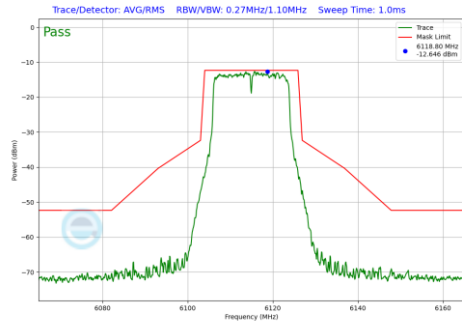
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Antenna WF7 In-Band Emission
Band 5	6115	33	a	36Mbps	Pass
	6255	61	a	36Mbps	Pass
	6415	93	a	36Mbps	Pass
	6115	33	be (20MHz)	MCS3	Pass
	6255	61	be (20MHz)	MCS5	Pass
	6415	93	be (20MHz)	MCS5	Pass
	6125	35	be (40MHz)	MCS5	Pass
	6245	59	be (40MHz)	MCS5	Pass
	6405	91	be (40MHz)	MCS5	Pass
	6145	39	be (80MHz)	MCS5	Pass
	6225	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
	6435	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)	MCS3	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
	6845	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
	6885	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 7-37. In-Band Emission Measurements Antenna WF8

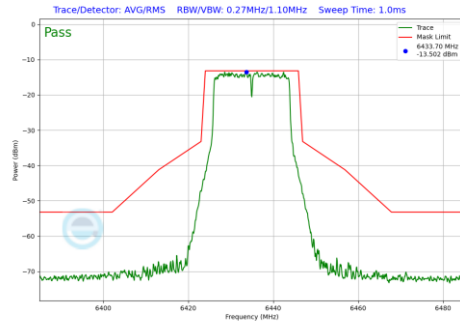
FCC ID: BCGA3357 IC: 579C-A3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 78 of 188

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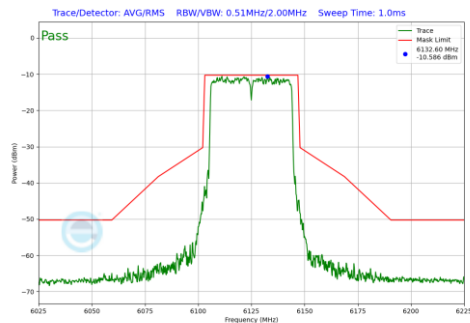
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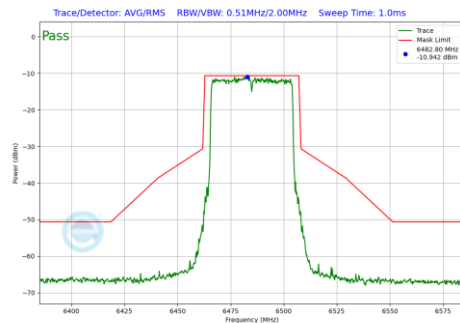
Plot 7-193 In-Band Emission Plot Antenna WF7 (20MHz BW 802.11a (UNII Band 5) - Ch.33)



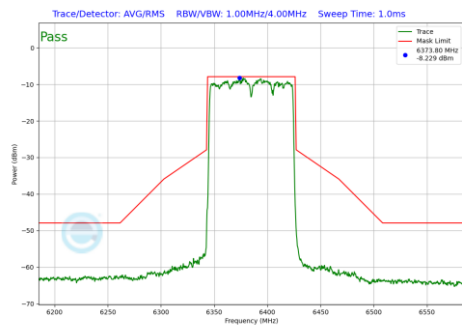
Plot 7-197 In-Band Emission Plot Antenna WF7 (20MHz BW 802.11a (UNII Band 6) - Ch.97)



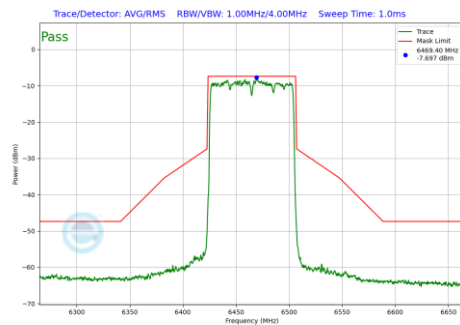
Plot 7-194 In-Band Emission Plot Antenna WF7 (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.35)



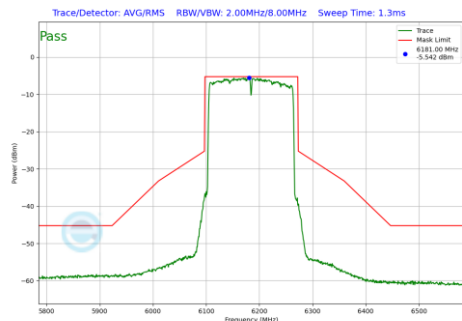
Plot 7-198 In-Band Emission Plot Antenna WF7 (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.107)



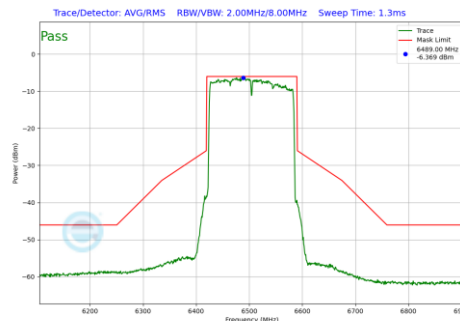
Plot 7-195 In-Band Emission Plot Antenna WF7 (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.87)



Plot 7-199 In-Band Emission Plot Antenna WF7 (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)

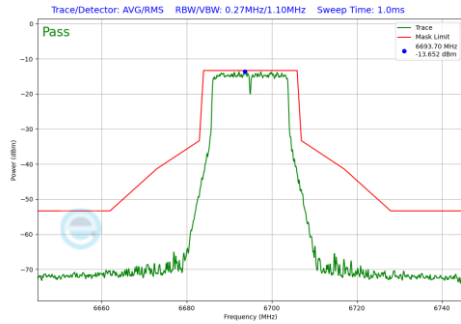


Plot 7-196 In-Band Emission Plot Antenna WF7 (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.47)

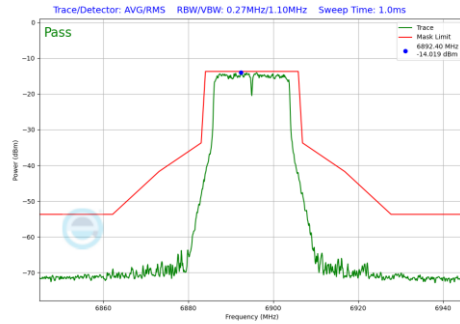


Plot 7-200 In-Band Emission Plot Antenna WF7 (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

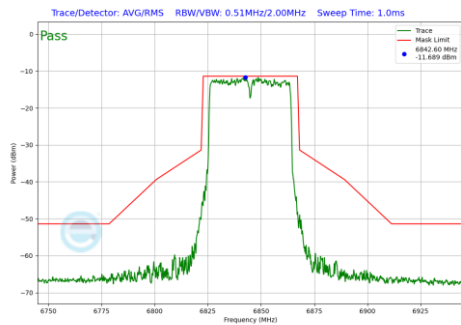
FCC ID: BCGA3357 IC: 579C-A3357			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 79 of 188	



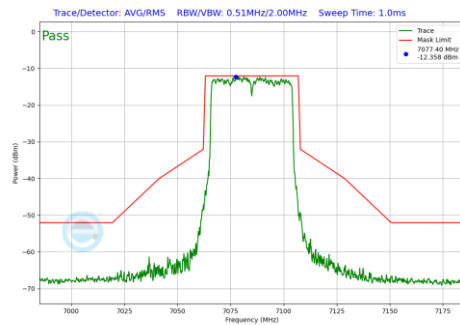
Plot 7-201 In-Band Emission Plot Antenna WF7 (20MHz BW 802.11a (UNII Band 7) - Ch.149)



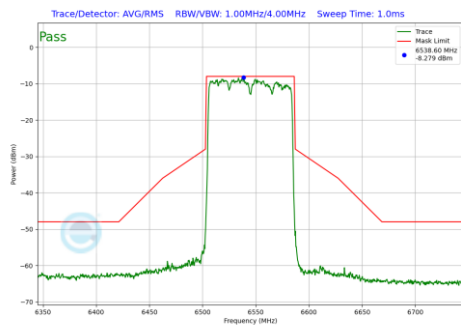
Plot 7-205 In-Band Emission Plot Antenna WF7 (20MHz BW 802.11a (UNII Band 8) - Ch.189)



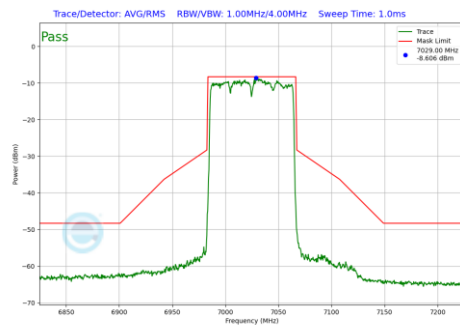
Plot 7-202 In-Band Emission Plot Antenna WF7 (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.179)



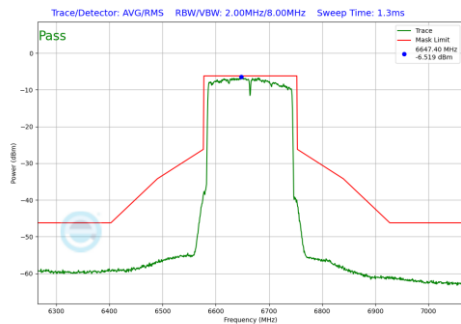
Plot 7-206 In-Band Emission Plot Antenna WF7 (40MHz BW 802.11be(SU) (UNII Band 8) - Ch.227)



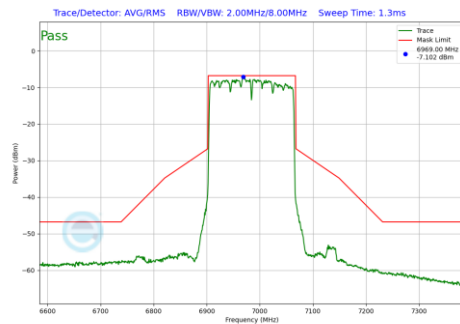
Plot 7-203 In-Band Emission Plot Antenna WF7 (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.119)



Plot 7-207 In-Band Emission Plot Antenna WF7 (80MHz BW 802.11be(SU) (UNII Band 8) - Ch.215)



Plot 7-204 In-Band Emission Plot Antenna WF7 (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)



Plot 7-208 In-Band Emission Plot Antenna WF7 (160MHz BW 802.11be(SU) (UNII Band 8) - 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 80 of 188	

7.5.4 CDD/SDM Primary In-Band Emission Measurements – VLP

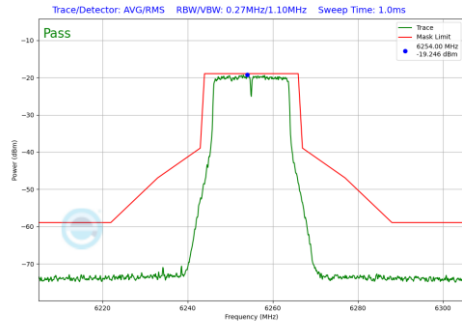
	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate	Antenna WF5B In-Band Emission	Antenna WF8 In-Band Emission
Band 5	6115	33	a	CDD	36Mbps	Pass	Pass
	6255	61	a	CDD	36Mbps	Pass	Pass
	6415	93	a	CDD	6Mbps	Pass	Pass
	6115	33	be (20MHz)	SDM	MCS3	Pass	Pass
	6255	61	be (20MHz)	SDM	MCS5	Pass	Pass
	6415	93	be (20MHz)	SDM	MCS5	Pass	Pass
	6125	35	be (40MHz)	SDM	MCS5	Pass	Pass
	6245	59	be (40MHz)	SDM	MCS5	Pass	Pass
	6405	91	be (40MHz)	SDM	MCS5	Pass	Pass
	6145	39	be (80MHz)	SDM	MCS5	Pass	Pass
	6225	55	be (80MHz)	SDM	MCS0	Pass	Pass
	6385	87	be (80MHz)	SDM	MCS5	Pass	Pass
	6185	47	be (160MHz)	SDM	MCS0	Pass	Pass
Band 6	6345	79	be (160MHz)	SDM	MCS0	Pass	Pass
	6435	97	a	CDD	6Mbps	Pass	Pass
	6475	105	a	CDD	36Mbps	Pass	Pass
	6515	113	a	CDD	36Mbps	Pass	Pass
	6435	97	be (20MHz)	SDM	MCS5	Pass	Pass
	6475	105	be (20MHz)	SDM	MCS5	Pass	Pass
	6515	113	be (20MHz)	SDM	MCS5	Pass	Pass
	6445	99	be (40MHz)	SDM	MCS5	Pass	Pass
	6485	107	be (40MHz)	SDM	MCS3	Pass	Pass
	6525	115	be (40MHz)	SDM	MCS5	Pass	Pass
Band 7	6465	103	be (80MHz)	SDM	MCS5	Pass	Pass
	6505	111	be (160MHz)	SDM	MCS5	Pass	Pass
	6535	117	a	CDD	6Mbps	Pass	Pass
	6695	149	a	CDD	36Mbps	Pass	Pass
	6875	185	a	CDD	36Mbps	Pass	Pass
	6535	117	be (20MHz)	SDM	MCS3	Pass	Pass
	6695	149	be (20MHz)	SDM	MCS3	Pass	Pass
	6875	185	be (20MHz)	SDM	MCS5	Pass	Pass
	6565	123	be (40MHz)	SDM	MCS5	Pass	Pass
	6725	155	be (40MHz)	SDM	MCS5	Pass	Pass
	6845	179	be (40MHz)	SDM	MCS5	Pass	Pass
	6545	119	be (80MHz)	SDM	MCS5	Pass	Pass
	6705	151	be (80MHz)	SDM	MCS5	Pass	Pass
Band 8	6865	183	be (80MHz)	SDM	MCS5	Pass	Pass
	6665	143	be (160MHz)	SDM	MCS0	Pass	Pass
	6825	175	be (160MHz)	SDM	MCS0	Pass	Pass
	6895	189	a	CDD	36Mbps	Pass	Pass
	6995	209	a	CDD	18Mbps	Pass	Pass
	7115	233	a	CDD	36Mbps	Pass	Pass
	6895	189	be (20MHz)	SDM	MCS5	Pass	Pass
	6995	209	be (20MHz)	SDM	MCS5	Pass	Pass
	7115	233	be (20MHz)	SDM	MCS5	Pass	Pass
	6885	187	be (40MHz)	SDM	MCS5	Pass	Pass
	7005	211	be (40MHz)	SDM	MCS5	Pass	Pass
	7085	227	be (40MHz)	SDM	MCS5	Pass	Pass
	6945	199	be (80MHz)	SDM	MCS5	Pass	Pass
	7025	215	be (80MHz)	SDM	MCS5	Pass	Pass
	6985	207	be (160MHz)	SDM	MCS3	Pass	Pass

Table 7-38. In-Band Emission Measurements CDD/SDM Primary

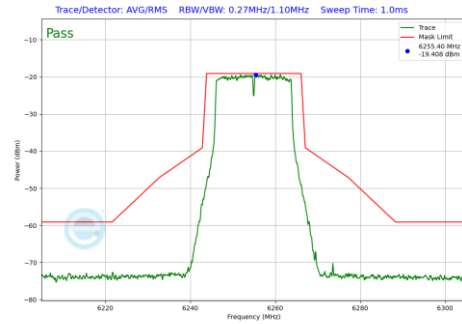
FCC ID: BCGA3357 IC: 579C-A3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 81 of 188

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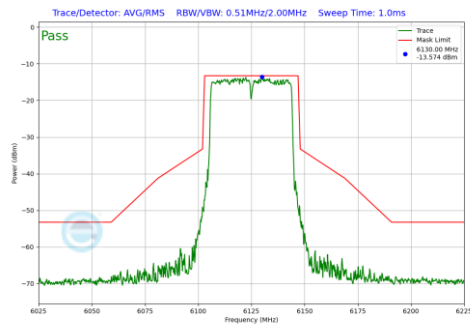
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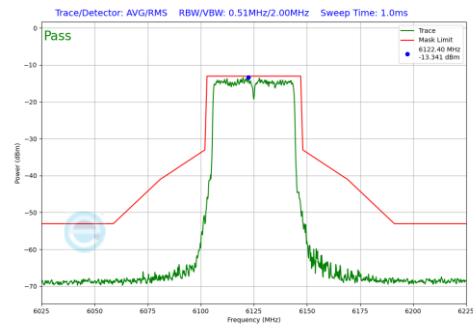
Plot 7-209 In-Band Emission Plot CDD Primary Antenna WF5B (20MHz BW 802.11a (UNII Band 5) - Ch.61)



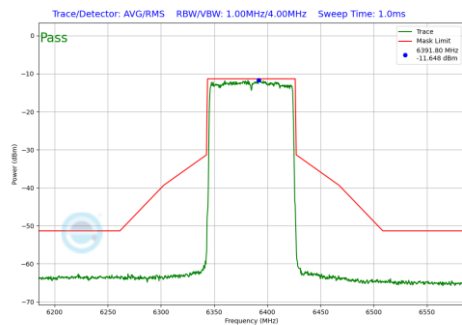
Plot 7-213 In-Band Emission Plot CDD Primary Antenna WF8 (20MHz BW 802.11a (UNII Band 5) - Ch.61)



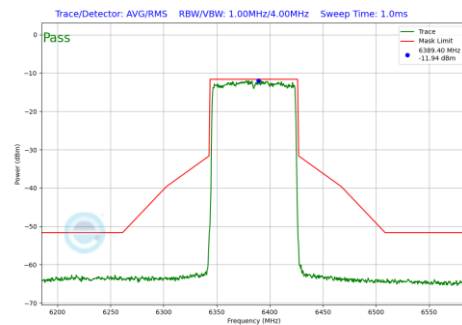
Plot 7-210 In-Band Emission Plot SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.35)



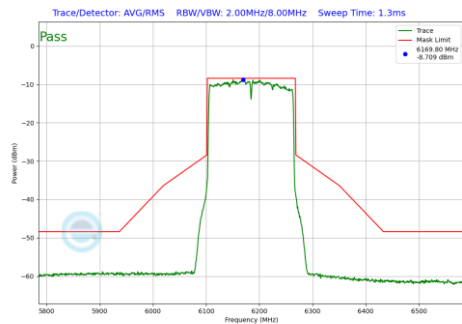
Plot 7-214 In-Band Emission Plot SDM Primary Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.35)



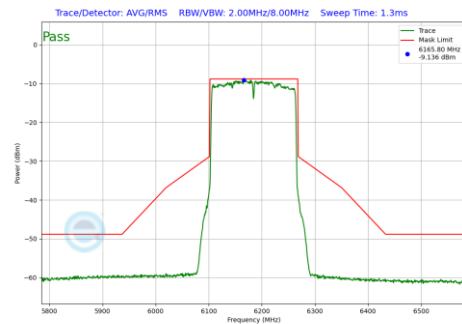
Plot 7-211 In-Band Emission Plot SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.87)



Plot 7-215 In-Band Emission Plot SDM Primary Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.87)

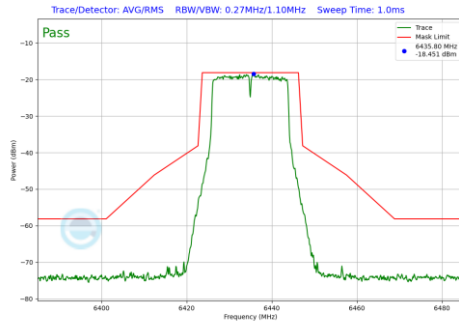


Plot 7-212 In-Band Emission Plot SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.47)

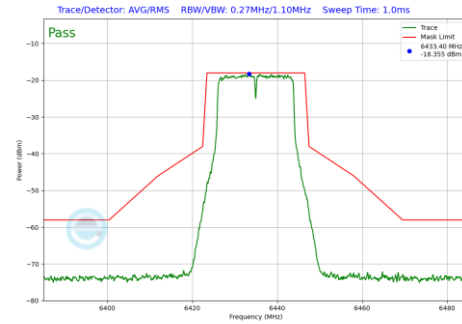


Plot 7-216 In-Band Emission Plot SDM Primary Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.47)

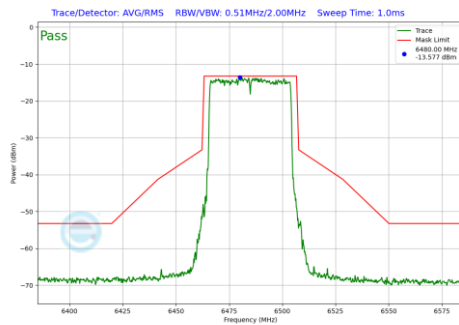
FCC ID: BCGA3357 IC: 579C-A3357			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 82 of 188	



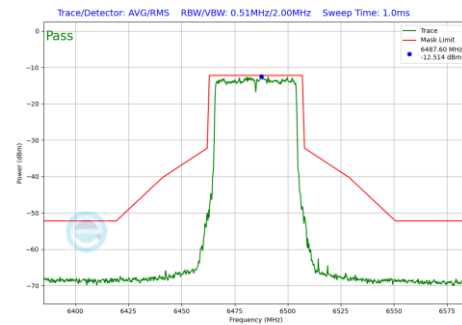
Plot 7-217 In-Band Emission Plot CDD Primary Antenna WF5B (20MHz BW 802.11a (UNII Band 6) - Ch.97)



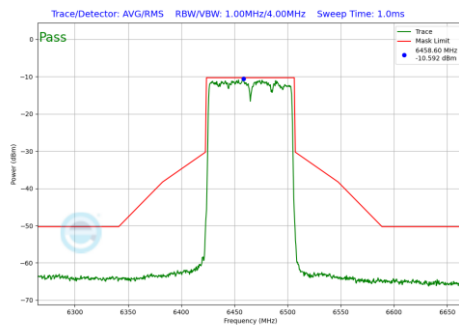
Plot 7-221 In-Band Emission Plot CDD Primary Antenna WF8 (20MHz BW 802.11a (UNII Band 6) - Ch.97)



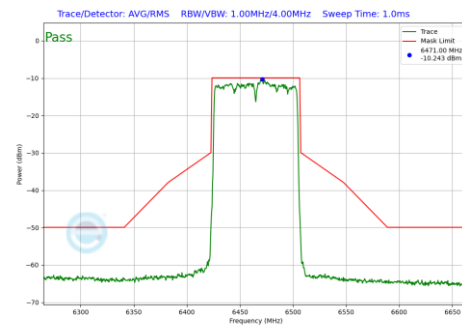
Plot 7-218 In-Band Emission Plot SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.107)



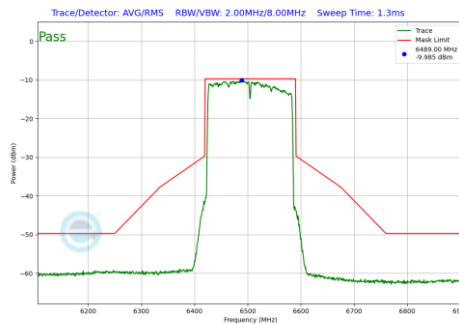
Plot 7-222 In-Band Emission Plot SDM Primary Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.107)



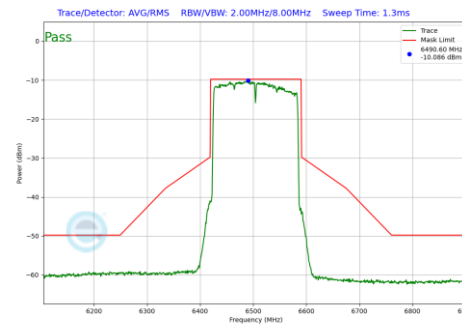
Plot 7-219 In-Band Emission Plot SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)



Plot 7-223 In-Band Emission Plot SDM Primary Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)

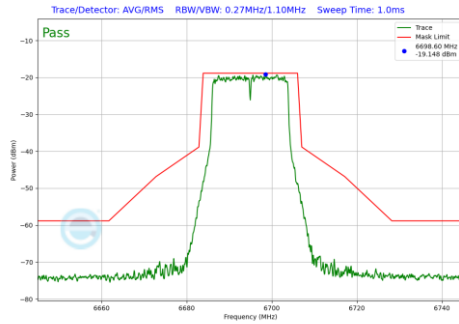


Plot 7-220 In-Band Emission Plot SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

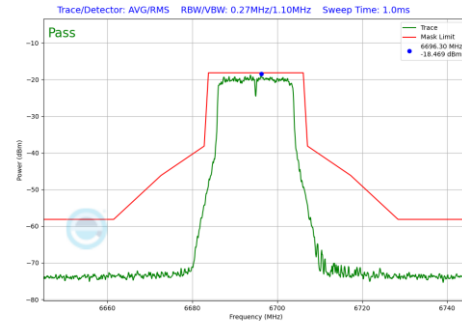


Plot 7-224 In-Band Emission Plot SDM Primary Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

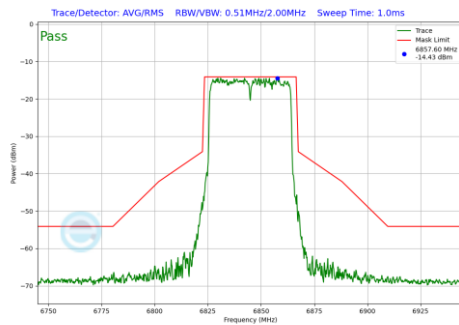
FCC ID: BCGA3357 IC: 579C-A3357			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 83 of 188	



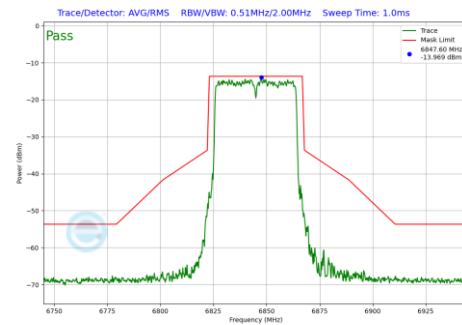
Plot 7-225 In-Band Emission Plot CDD Primary Antenna WF5B (20MHz BW 802.11a (UNII Band 7) - Ch.149)



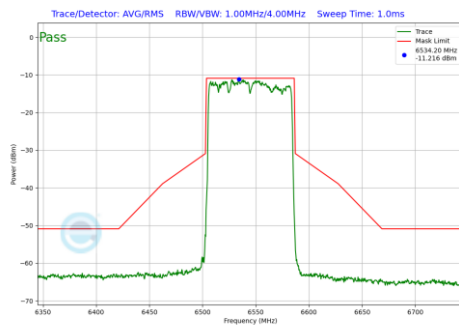
Plot 7-229 In-Band Emission Plot CDD Primary Antenna WF8 (20MHz BW 802.11a (UNII Band 7) - Ch.149)



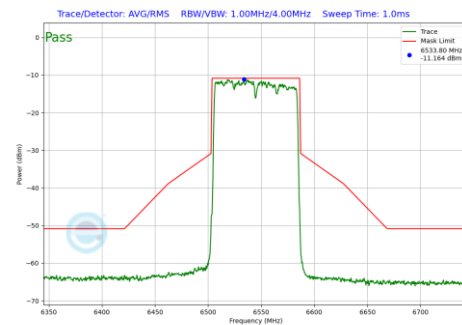
Plot 7-226 In-Band Emission Plot SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.179)



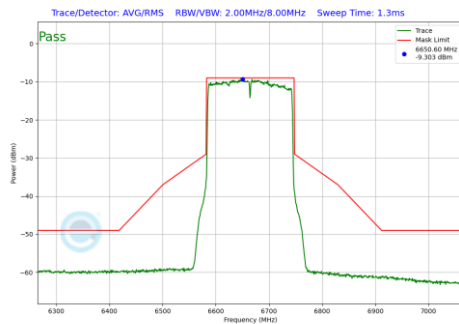
Plot 7-230 In-Band Emission Plot SDM Primary Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.179)



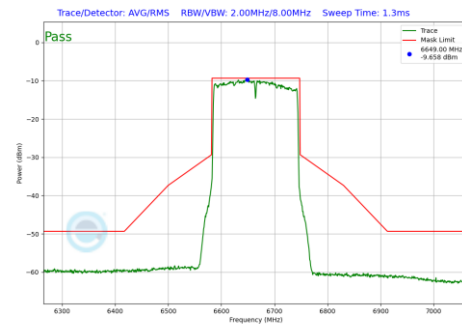
Plot 7-227 In-Band Emission Plot SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.119)



Plot 7-231 In-Band Emission Plot SDM Primary Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.119)

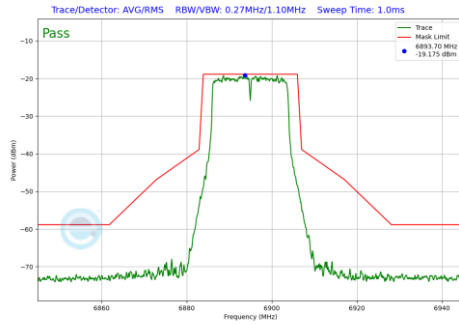


Plot 7-228 In-Band Emission Plot SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)

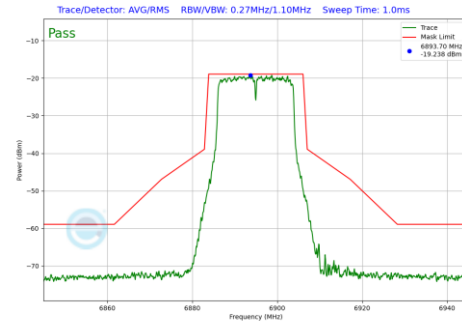


Plot 7-232 In-Band Emission Plot SDM Primary Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)

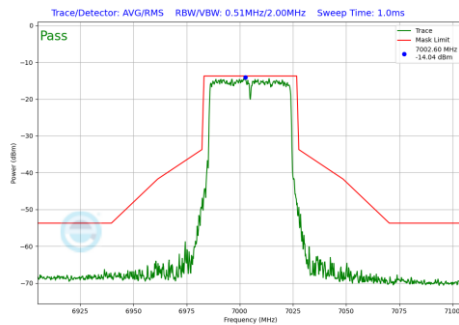
FCC ID: BCGA3357 IC: 579C-A3357			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 84 of 188	



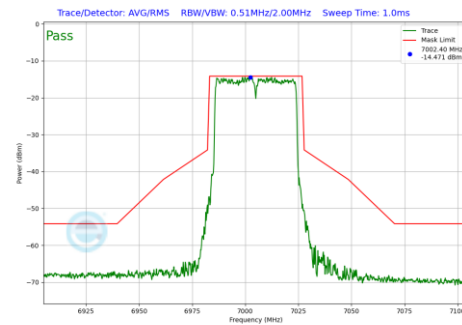
Plot 7-233 In-Band Emission Plot SDM Primary Antenna WF5B (20MHz BW 802.11a (UNII Band 8) - Ch.189)



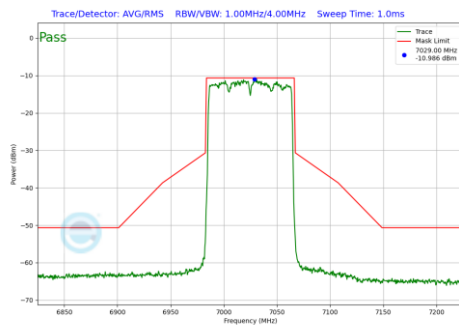
Plot 7-237 In-Band Emission Plot CDD Primary Antenna WF8 (20MHz BW 802.11a (UNII Band 8) - Ch.189)



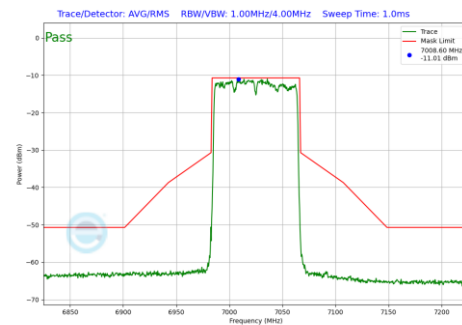
Plot 7-234 In-Band Emission Plot SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 8) - Ch.211)



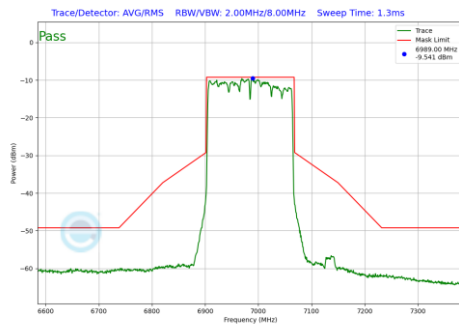
Plot 7-238 In-Band Emission Plot SDM Primary Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 8) - Ch.211)



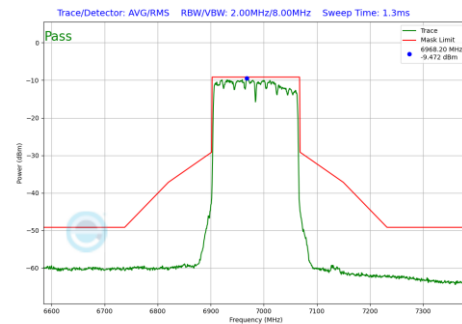
Plot 7-235 In-Band Emission Plot SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 8) - Ch.215)



Plot 7-239 In-Band Emission Plot SDM Primary Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 8) - Ch.215)



Plot 7-236 In-Band Emission Plot SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 8) - Ch.207)



Plot 7-240 In-Band Emission Plot SDM Primary Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 8) - 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 85 of 188	

7.5.5 CDD/SDM Diversity In-Band Emission Measurements – VLP

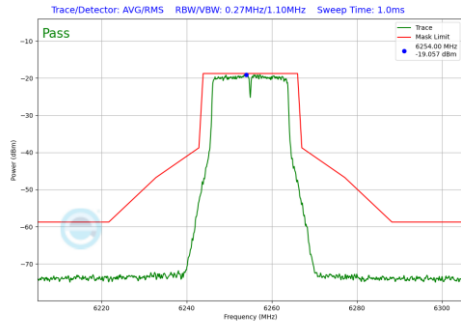
	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate	Antenna WF8 In-Band Emission	Antenna WF7 In-Band Emission
Band 5	6115	33	a	CDD	36Mbps	Pass	Pass
	6255	61	a	CDD	18Mbps	Pass	Pass
	6415	93	a	CDD	36Mbps	Pass	Pass
	6115	33	be (20MHz)	SDM	MCS0	Pass	Pass
	6255	61	be (20MHz)	SDM	MCS5	Pass	Pass
	6415	93	be (20MHz)	SDM	MCS5	Pass	Pass
	6125	35	be (40MHz)	SDM	MCS5	Pass	Pass
	6245	59	be (40MHz)	SDM	MCS5	Pass	Pass
	6405	91	be (40MHz)	SDM	MCS5	Pass	Pass
	6145	39	be (80MHz)	SDM	MCS5	Pass	Pass
	6225	55	be (80MHz)	SDM	MCS5	Pass	Pass
	6385	87	be (80MHz)	SDM	MCS5	Pass	Pass
Band 6	6185	47	be (160MHz)	SDM	MCS0	Pass	Pass
	6345	79	be (160MHz)	SDM	MCS3	Pass	Pass
	6435	97	a	CDD	36Mbps	Pass	Pass
	6475	105	a	CDD	36Mbps	Pass	Pass
	6515	113	a	CDD	36Mbps	Pass	Pass
	6435	97	be (20MHz)	SDM	MCS3	Pass	Pass
	6475	105	be (20MHz)	SDM	MCS5	Pass	Pass
	6515	113	be (20MHz)	SDM	MCS3	Pass	Pass
	6445	99	be (40MHz)	SDM	MCS5	Pass	Pass
	6485	107	be (40MHz)	SDM	MCS3	Pass	Pass
	6525	115	be (40MHz)	SDM	MCS5	Pass	Pass
	6465	103	be (80MHz)	SDM	MCS5	Pass	Pass
Band 7	6505	111	be (160MHz)	SDM	MCS0	Pass	Pass
	6535	117	a	CDD	6Mbps	Pass	Pass
	6695	149	a	CDD	36Mbps	Pass	Pass
	6875	185	a	CDD	36Mbps	Pass	Pass
	6535	117	be (20MHz)	SDM	MCS3	Pass	Pass
	6695	149	be (20MHz)	SDM	MCS3	Pass	Pass
	6875	185	be (20MHz)	SDM	MCS5	Pass	Pass
	6565	123	be (40MHz)	SDM	MCS3	Pass	Pass
	6725	155	be (40MHz)	SDM	MCS5	Pass	Pass
	6845	179	be (40MHz)	SDM	MCS5	Pass	Pass
	6545	119	be (80MHz)	SDM	MCS5	Pass	Pass
	6705	151	be (80MHz)	SDM	MCS5	Pass	Pass
Band 8	6865	183	be (80MHz)	SDM	MCS5	Pass	Pass
	6665	143	be (160MHz)	SDM	MCS0	Pass	Pass
	6825	175	be (160MHz)	SDM	MCS5	Pass	Pass
	6895	189	a	CDD	6Mbps	Pass	Pass
	6995	209	a	CDD	18Mbps	Pass	Pass
	7115	233	a	CDD	36Mbps	Pass	Pass
	6895	189	be (20MHz)	SDM	MCS3	Pass	Pass
	6995	209	be (20MHz)	SDM	MCS5	Pass	Pass
	7115	233	be (20MHz)	SDM	MCS5	Pass	Pass
	6885	187	be (40MHz)	SDM	MCS5	Pass	Pass
	7005	211	be (40MHz)	SDM	MCS5	Pass	Pass
	7085	227	be (40MHz)	SDM	MCS5	Pass	Pass
	6945	199	be (80MHz)	SDM	MCS5	Pass	Pass
	7025	215	be (80MHz)	SDM	MCS5	Pass	Pass
	6985	207	be (160MHz)	SDM	MCS3	Pass	Pass

Table 7-39. In-Band Emission Measurements CDD/SDM Diversity

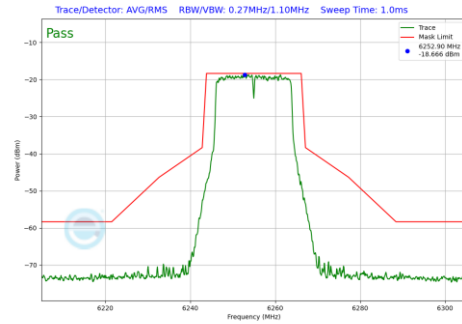
FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 86 of 188

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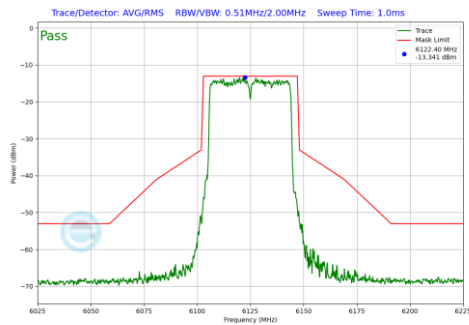
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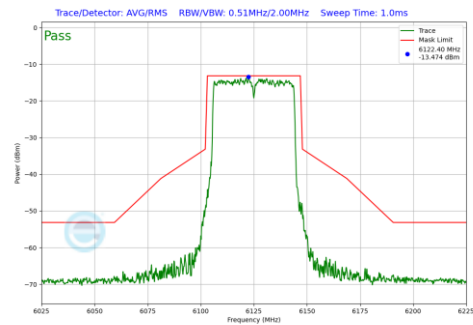
Plot 7-241 In-Band Emission Plot CDD Diversity Antenna WF8 (20MHz BW 802.11a (UNII Band 5) - Ch.61)



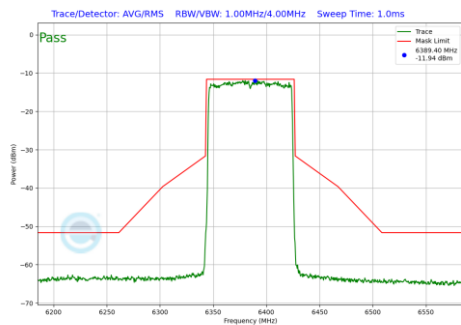
Plot 7-245 In-Band Emission Plot CDD Diversity Antenna WF7 (20MHz BW 802.11a (UNII Band 5) - Ch.61)



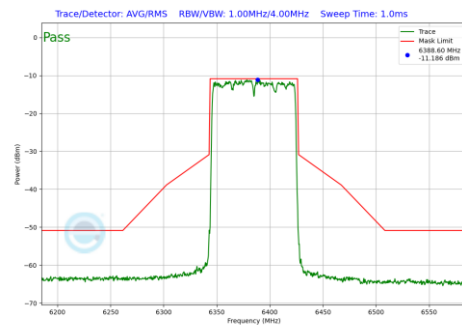
Plot 7-242 In-Band Emission Plot SDM Diversity Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.35)



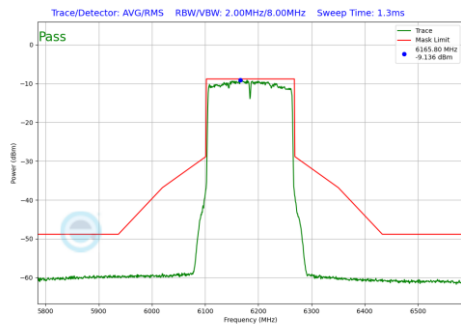
Plot 7-246 In-Band Emission Plot SDM Diversity Antenna WF7 (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.35)



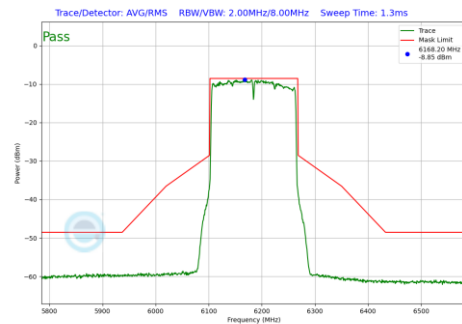
Plot 7-243 In-Band Emission Plot SDM Diversity Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.87)



Plot 7-247 In-Band Emission Plot SDM Diversity Antenna WF7 (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.87)

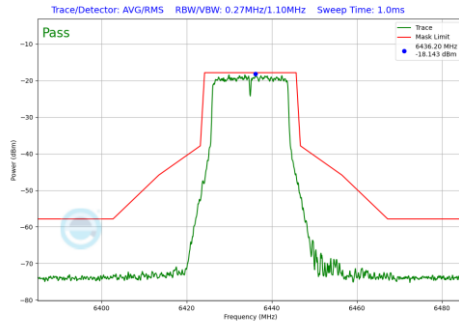


Plot 7-244 In-Band Emission Plot SDM Diversity Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.47)

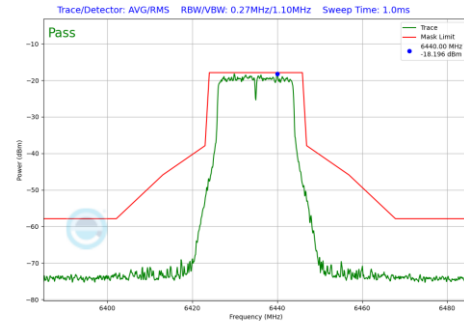


Plot 7-248 In-Band Emission Plot SDM Diversity Antenna WF7 (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.47)

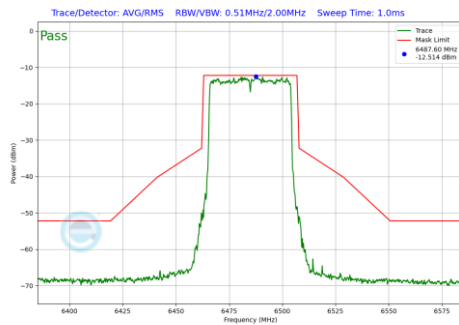
FCC ID: BCGA3357 IC: 579C-A3357			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 87 of 188	



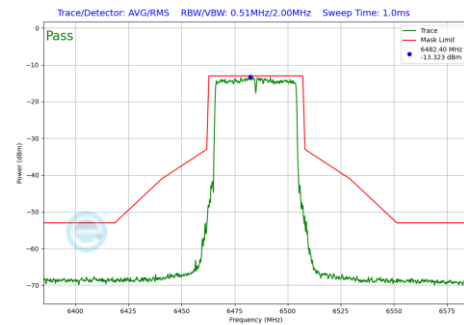
Plot 7-249 In-Band Emission Plot CDD Diversity Antenna WF8 (20MHz BW 802.11a (UNII Band 6) - Ch.97)



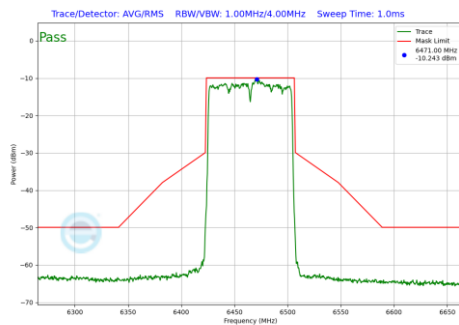
Plot 7-253 In-Band Emission Plot CDD Diversity Antenna WF7 (20MHz BW 802.11a (UNII Band 6) - Ch.97)



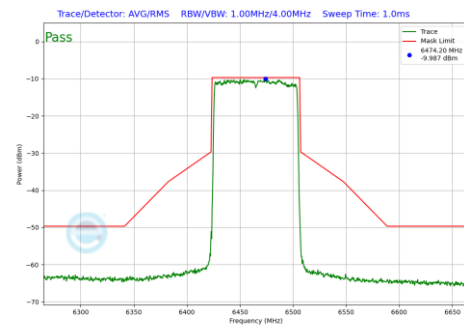
Plot 7-250 In-Band Emission Plot SDM Diversity Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.107)



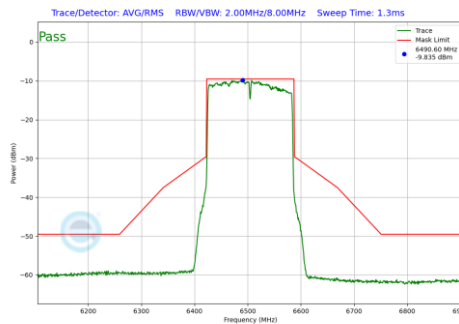
Plot 7-254 In-Band Emission Plot SDM Diversity Antenna WF7 (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.107)



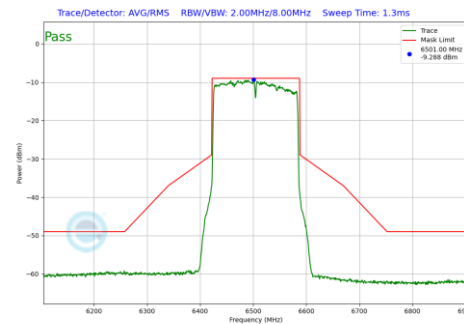
Plot 7-251 In-Band Emission Plot SDM Diversity Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)



Plot 7-255 In-Band Emission Plot SDM Diversity Antenna WF7 (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)

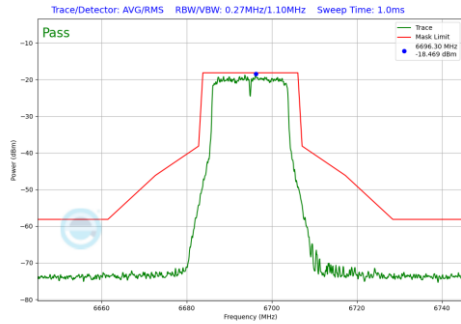


Plot 7-252 In-Band Emission Plot SDM Diversity Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

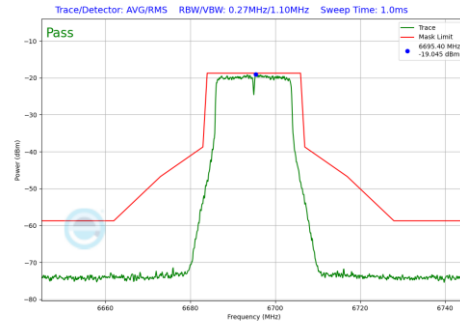


Plot 7-256 In-Band Emission Plot SDM Diversity Antenna WF7 (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

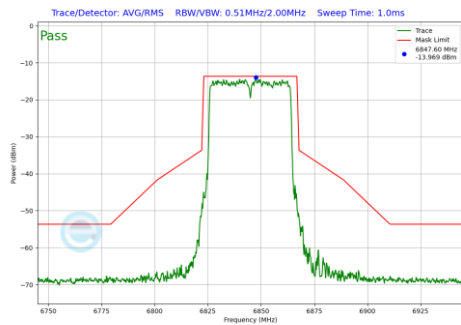
FCC ID: BCGA3357 IC: 579C-A3357			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 88 of 188	



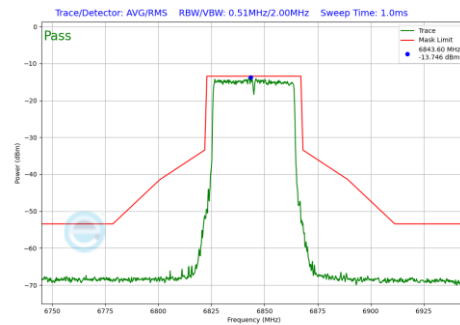
Plot 7-257 In-Band Emission Plot CDD Diversity Antenna WF8 (20MHz BW 802.11a (UNII Band 7) - Ch.149)



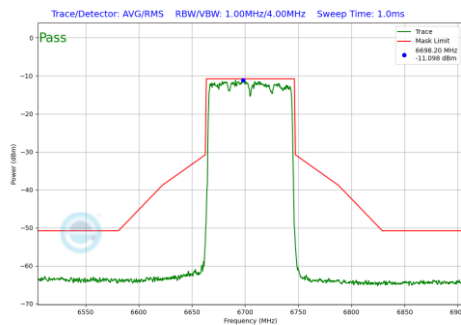
Plot 7-261 In-Band Emission Plot CDD Diversity Antenna WF7 (20MHz BW 802.11a (UNII Band 7) - Ch.149)



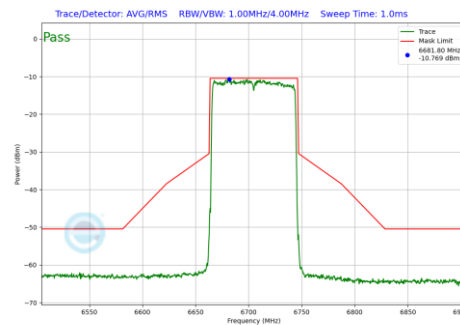
Plot 7-258 In-Band Emission Plot SDM Diversity Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.179)



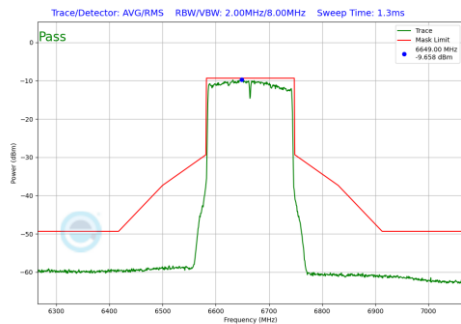
Plot 7-262 In-Band Emission Plot SDM Diversity Antenna WF7 (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.179)



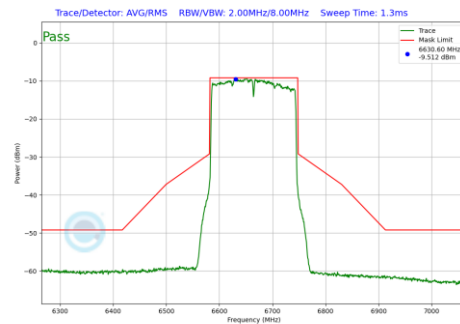
Plot 7-259 In-Band Emission Plot SDM Diversity Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.151)



Plot 7-263 In-Band Emission Plot SDM Diversity Antenna WF7 (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.151)

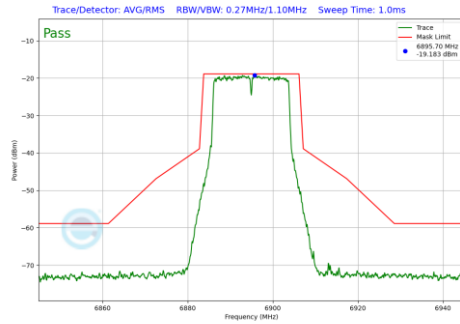


Plot 7-260 In-Band Emission Plot SDM Diversity Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)

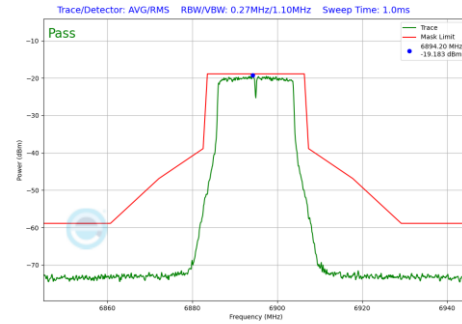


Plot 7-264 In-Band Emission Plot SDM Diversity Antenna WF7 (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)

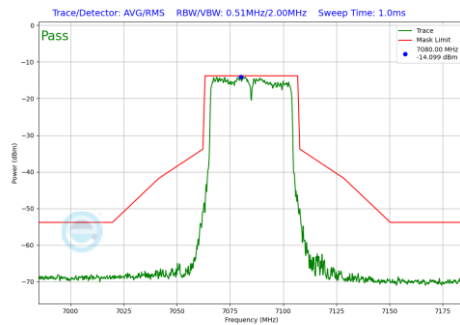
FCC ID: BCGA3357 IC: 579C-A3357			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-17-R1.BCG	Test Dates: 5/12/2025 - 8/26/2025	EUT Type: Tablet Device	Page 89 of 188	



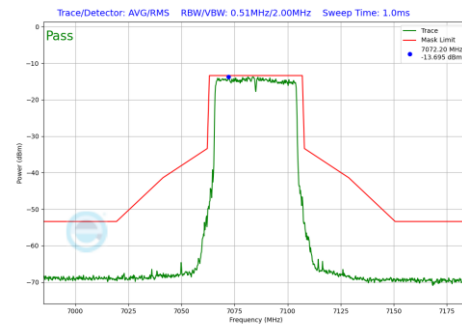
Plot 7-265 In-Band Emission Plot CDD Diversity Antenna WF8 (20MHz BW 802.11a (UNII Band 8) - Ch.189)



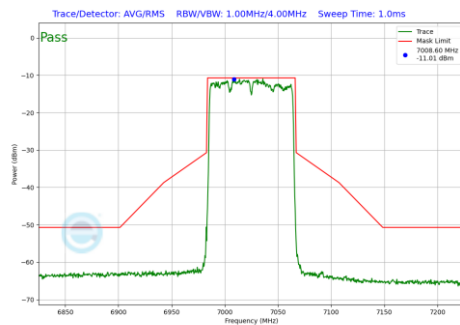
Plot 7-269 In-Band Emission Plot CDD Diversity Antenna WF7 (20MHz BW 802.11a (UNII Band 8) - Ch.189)



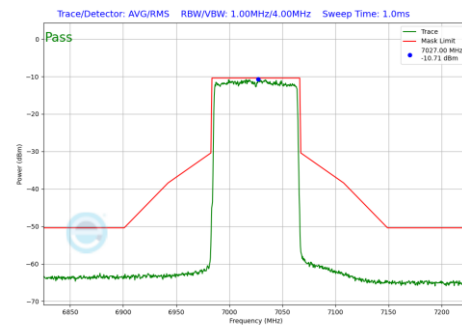
Plot 7-266 In-Band Emission Plot SDM Diversity Antenna WF8 (40MHz BW 802.11be(SU) (UNII Band 8) - Ch.227)



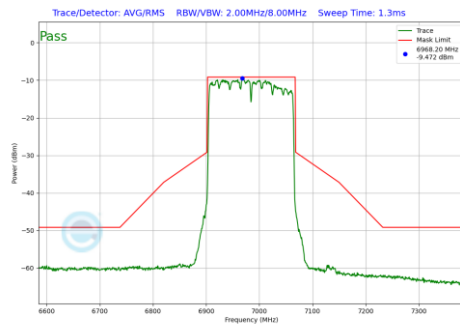
Plot 7-270 In-Band Emission Plot SDM Diversity Antenna WF7 (40MHz BW 802.11be(SU) (UNII Band 8) - Ch.227)



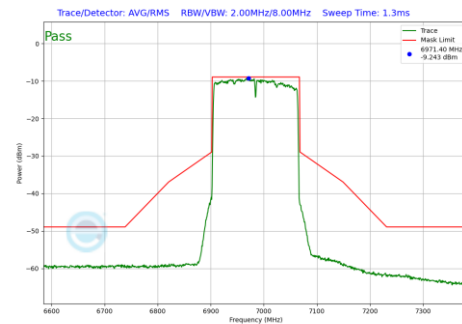
Plot 7-267 In-Band Emission Plot SDM Diversity Antenna WF8 (80MHz BW 802.11be(SU) (UNII Band 8) - Ch.215)



Plot 7-271 In-Band Emission Plot SDM Diversity Antenna WF7 (80MHz BW 802.11be(SU) (UNII Band 8) - Ch.215)



Plot 7-268 In-Band Emission Plot SDM Diversity Antenna WF8 (160MHz BW 802.11be(SU) (UNII Band 8) - Ch.207)



Plot 7-272 In-Band Emission Plot SDM Diversity Antenna WF7 (160MHz BW 802.11be(SU) (UNII Band 8) - Ch.207)

FCC ID: BCGA3357 IC: 579C-A3357			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.6 Contention Based Protocol

§15.407(d)(6); RSS-248[4.7]

Test Overview and Limit

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices), while very low power devices operating in the 5.925-6.425 GHz and 6.525-6.875 GHz bands are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed indoor low-power and very low power devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor and very low power devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel.

Test Procedure Used

KDB 987594 D02 v03 – Section I

Test Settings

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT.
4. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
5. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
6. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
7. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2.
8. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
9. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
10. Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
11. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

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Test Setup

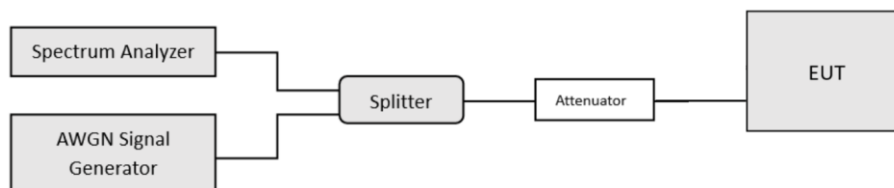


Figure 7-5. Contention-based protocol test setup, conducted method

Test Notes

1. The EUT supports channel puncturing.
2. Per guidance from KDB 987594 D02 v03, contention-based protocol was tested using an AWGN signal with a bandwidth of 10MHz. The amplitude of the signal was increased until detected by the EUT, signaled by the ceasing of transmission, marker indicates the point at which the AWGN signal is introduced.
3. Per KDB 987594 D04 v03, contention-based protocol was tested with receiver with the lowest antenna gain.
4. 15 trials were ran in order to assure that at least 90% of certainty was met.

Detection Level = Injected AWGN Power (dBm) – Antenna Gain (dBi) + Path Loss (dB)

Equation 7-1. Incumbent Detection Level Calculation

FCC ID: BCGA3357 IC: 579C-A3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	Incumbent Frequency [MHz]	Injected (AWGN) [dBm]	Antenna Gain [dBi]	Adjusted Power Level [dBm]	Detection Limit [dBm]	Margin [dB]
UNII Band 5	53	6215	20	6215	-67.61	-3.80	-63.81	-62.0	-1.81
				6110	-67.65	-3.80	-63.85	-62.0	-1.85
	47	6185	160	6185	-67.67	-3.80	-63.87	-62.0	-1.87
				6260	-67.54	-3.80	-63.74	-62.0	-1.74
UNII Band 6	101	6455	20	6455	-67.54	-3.80	-63.74	-62.0	-1.74
				6430	-67.52	-3.80	-63.72	-62.0	-1.72
	111	6505	160	6505	-67.56	-3.80	-63.76	-62.0	-1.76
				6580	-67.63	-3.80	-63.83	-62.0	-1.83
UNII Band 7	149	6695	20	6695	-67.72	-3.80	-63.92	-62.0	-1.92
				6590	-67.62	-3.80	-63.82	-62.0	-1.82
	143	6665	160	6665	-67.71	-3.80	-63.91	-62.0	-1.91
				6740	-67.81	-3.80	-64.01	-62.0	-2.01
UNII Band 8	197	6935	20	6935	-67.72	-3.80	-63.92	-62.0	-1.92
				6910	-67.70	-3.80	-63.90	-62.0	-1.90
	207	6985	160	6985	-67.75	-3.80	-63.95	-62.0	-1.95
				7060	-67.61	-3.80	-63.81	-62.0	-1.81

Table 7-40. Contention Based Protocol – Incumbent Detection Results

Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	Incumbent Frequency [MHz]	EUT Transmission Status		
					Adjusted AWGN Power (dBm)		
					Normal	Minimal	Ceased
UNII Band 5	53	6215	20	6215	-74.99	-65.06	-63.81
				6110	-75.03	-65.10	-63.85
	47	6185	160	6185	-75.05	-65.12	-63.87
				6260	-74.92	-64.99	-63.74
UNII Band 6	101	6455	20	6455	-74.92	-64.99	-63.74
				6430	-74.90	-64.97	-63.72
	111	6505	160	6505	-74.94	-65.01	-63.76
				6580	-75.01	-65.08	-63.83
UNII Band 7	149	6695	20	6695	-74.90	-65.14	-63.92
				6750	-74.80	-65.04	-63.82
	143	6665	160	6825	-74.89	-65.13	-63.91
				6900	-74.99	-65.23	-64.01
UNII Band 8	197	6935	20	6935	-74.90	-65.14	-63.92
				6910	-74.88	-65.12	-63.90
	207	6985	160	6985	-74.93	-65.17	-63.95
				7060	-74.79	-65.03	-63.81

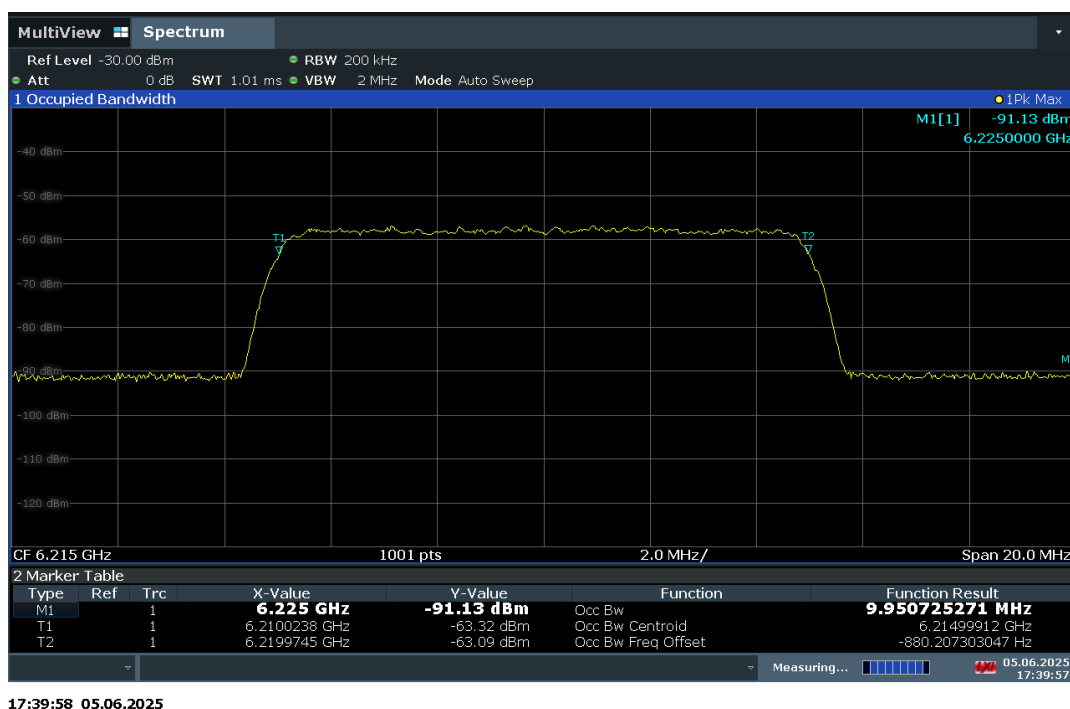
Table 7-41. Contention Based Protocol VLP – Detection Results – All Tx Cases

CBP Detection (1 = Detection, Blank = No Detection)																					
Band	Channel	Channel Frequency [MHz]	Channel BW [MHz]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Detection Rate [%]	Limit [%]	Pass/Fail
UNII Band 5	53	6215	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90
	47	6185	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90
UNII Band 6	101	6455	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90
	111	6505	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90
UNII Band 7	149	6695	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90
	143	6665	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90
UNII Band 8	197	6935	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90
	207	6985	160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90	Pass
				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100.0	90

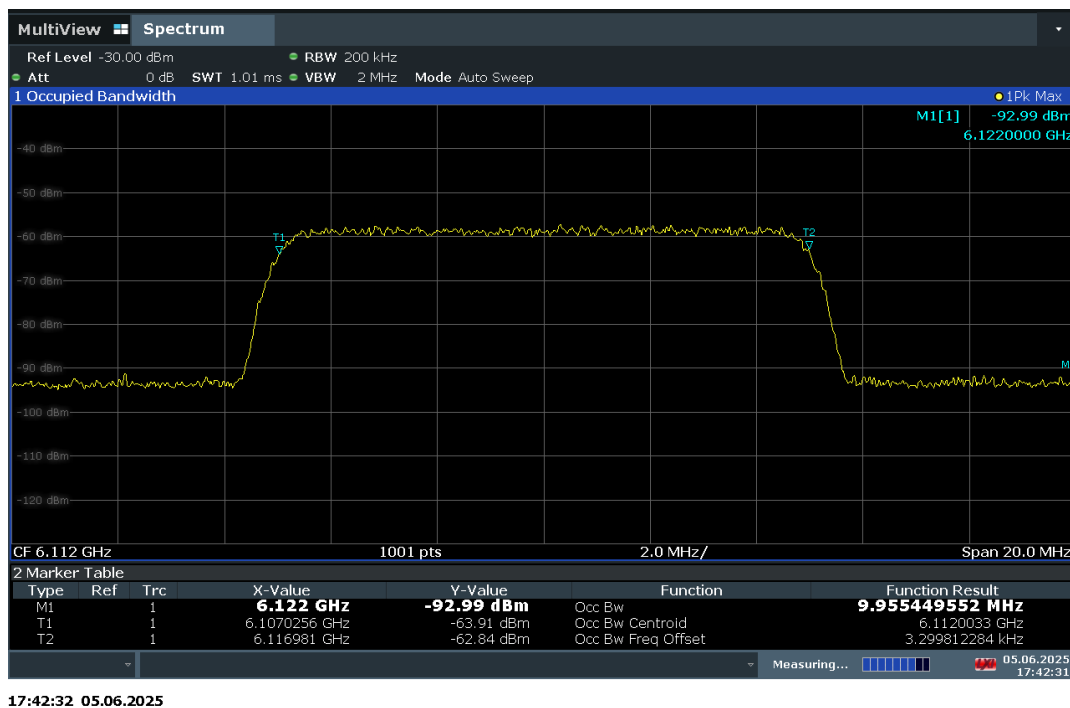
Table 7-42. Contention Based Protocol – Incumbent Detection Trial Results

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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AWGN Plots



Plot 7-273. AWGN Signal – UNII 5 – 20MHz

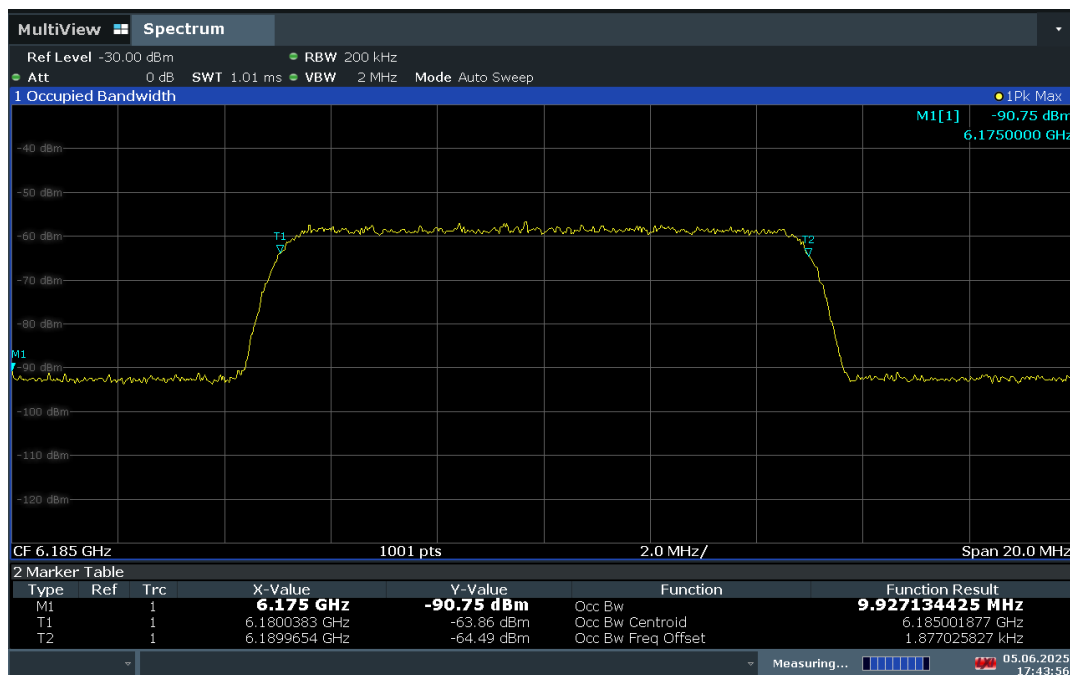


Plot 7-274. AWGN Signal – UNII 5 – 160MHz - Low

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 94 of 188

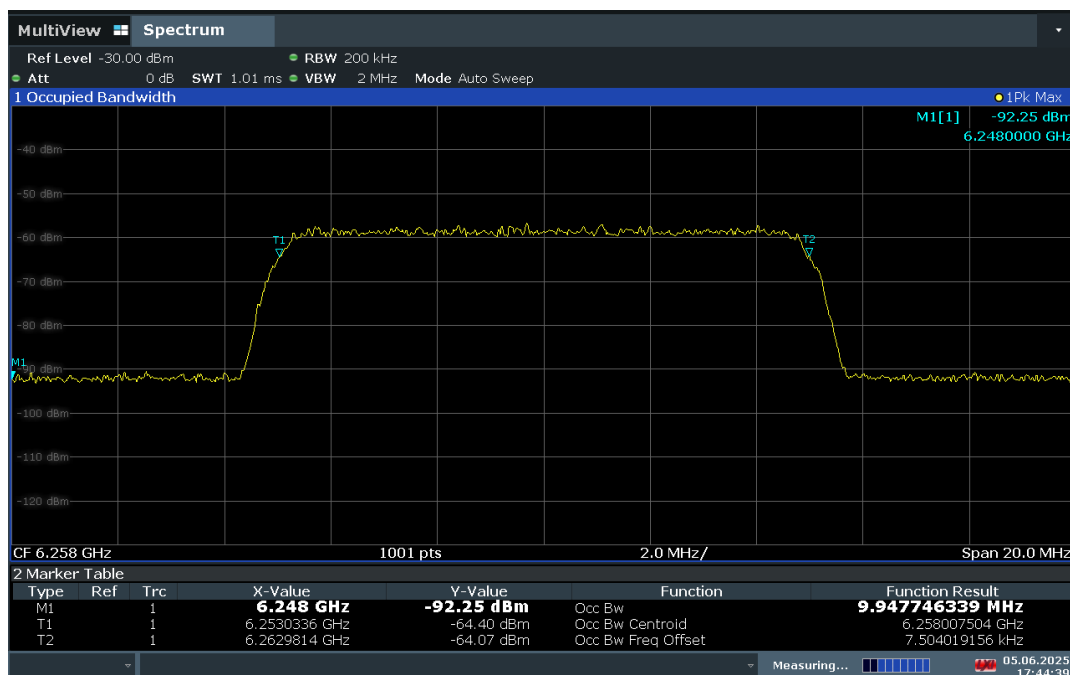
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17:43:57 05.06.2025

Plot 7-275. AWGN Signal – UNII 5 – 160MHz – Mid



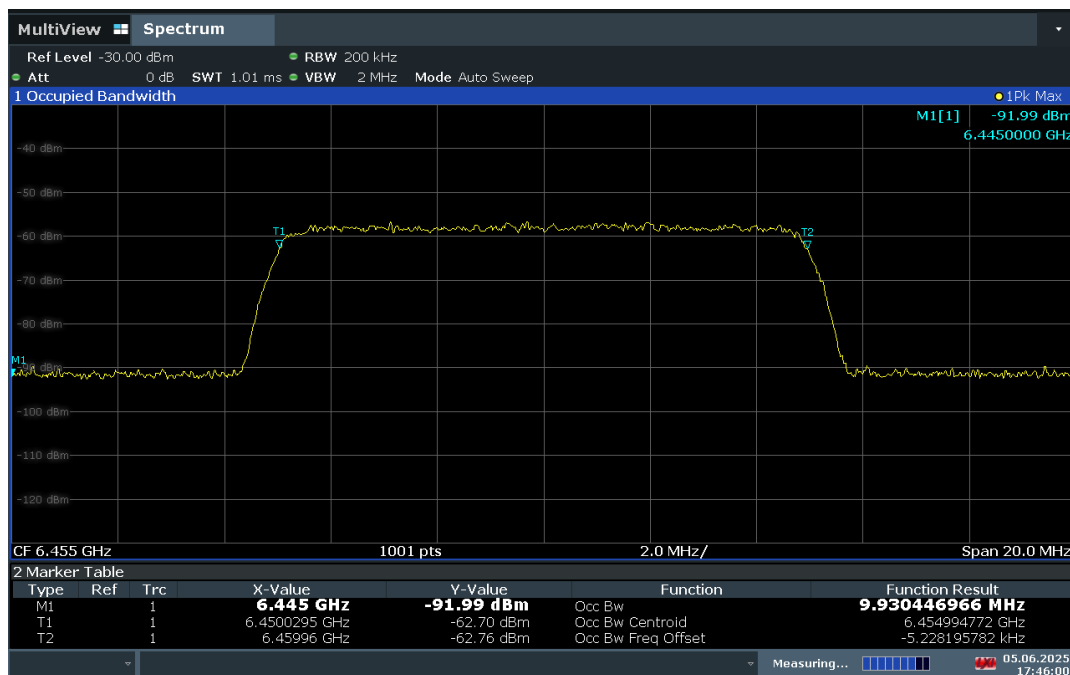
17:44:40 05.06.2025

Plot 7-276. AWGN Signal – UNII 5 – 160MHz - High

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 95 of 188

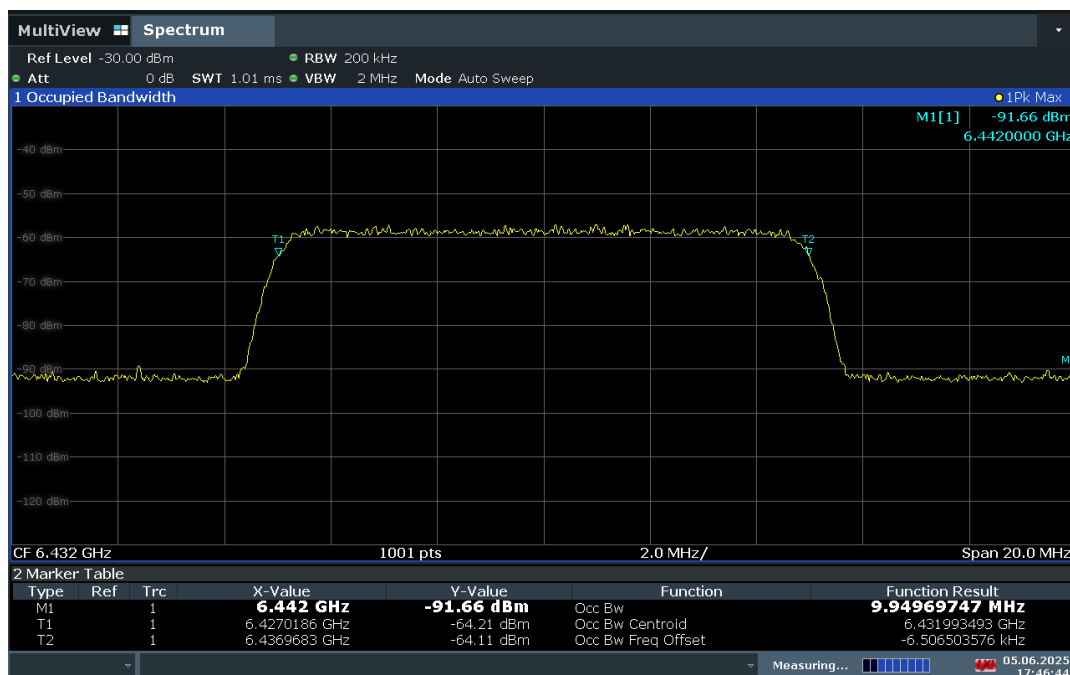
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17:46:01 05.06.2025

Plot 7-277. AWGN Signal – UNII 6 – 20MHz



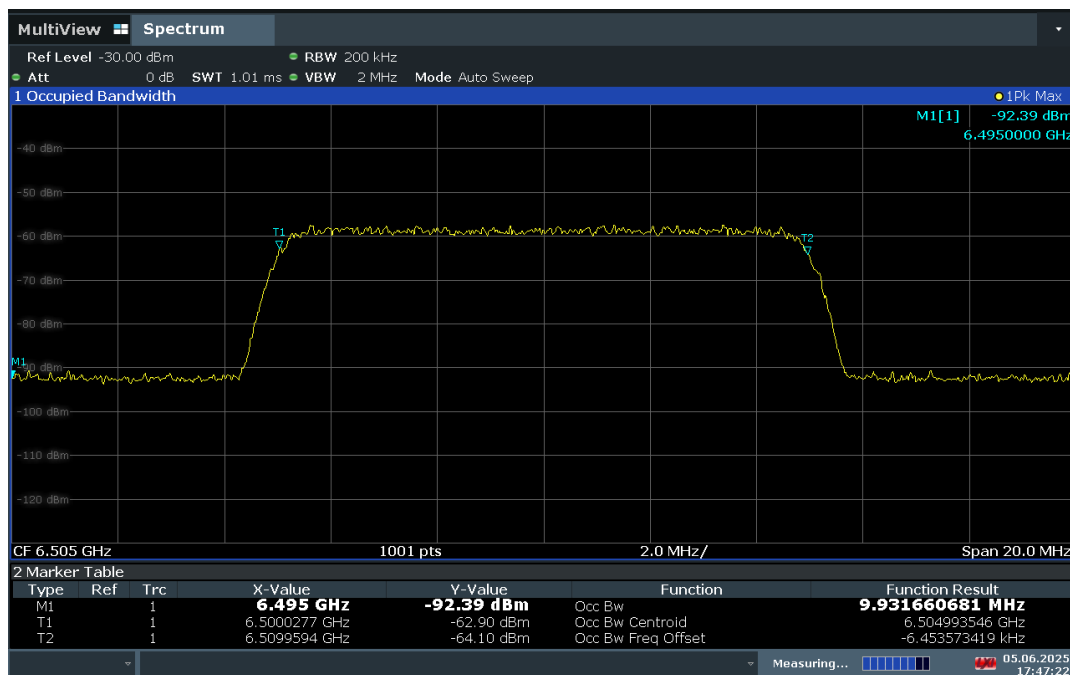
17:46:45 05.06.2025

Plot 7-278. AWGN Signal – UNII 6 – 160MHz - Low

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 96 of 188

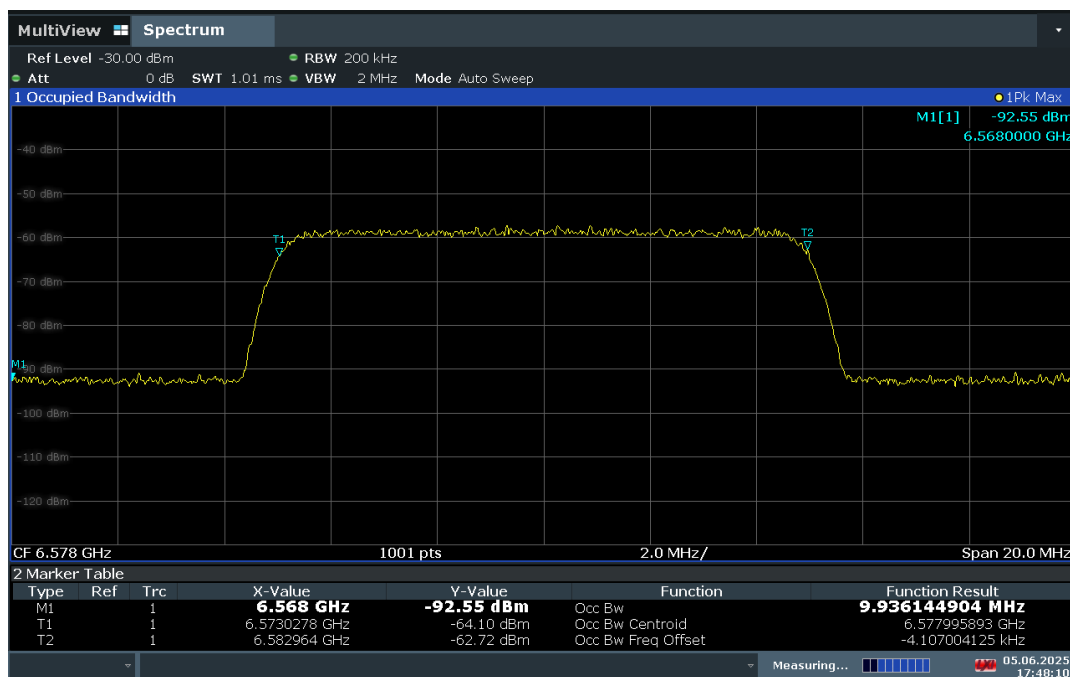
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17:47:23 05.06.2025

Plot 7-279. AWGN Signal – UNII 6 – 160MHz – Mid



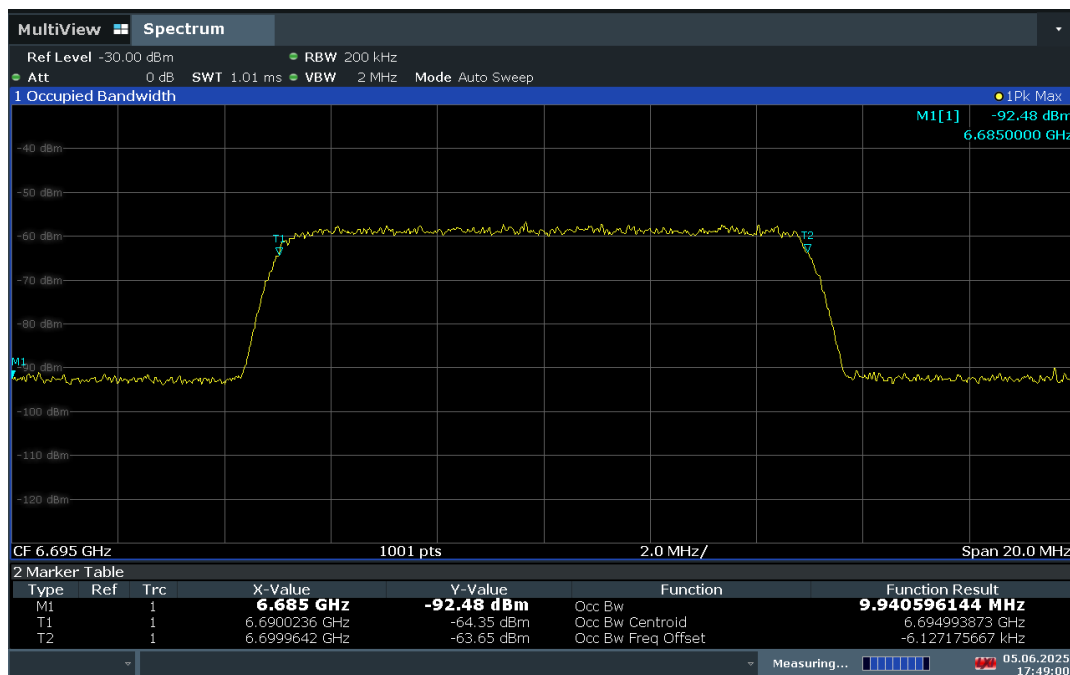
17:48:11 05.06.2025

Plot 7-280. AWGN Signal – UNII 6 – 160MHz - High

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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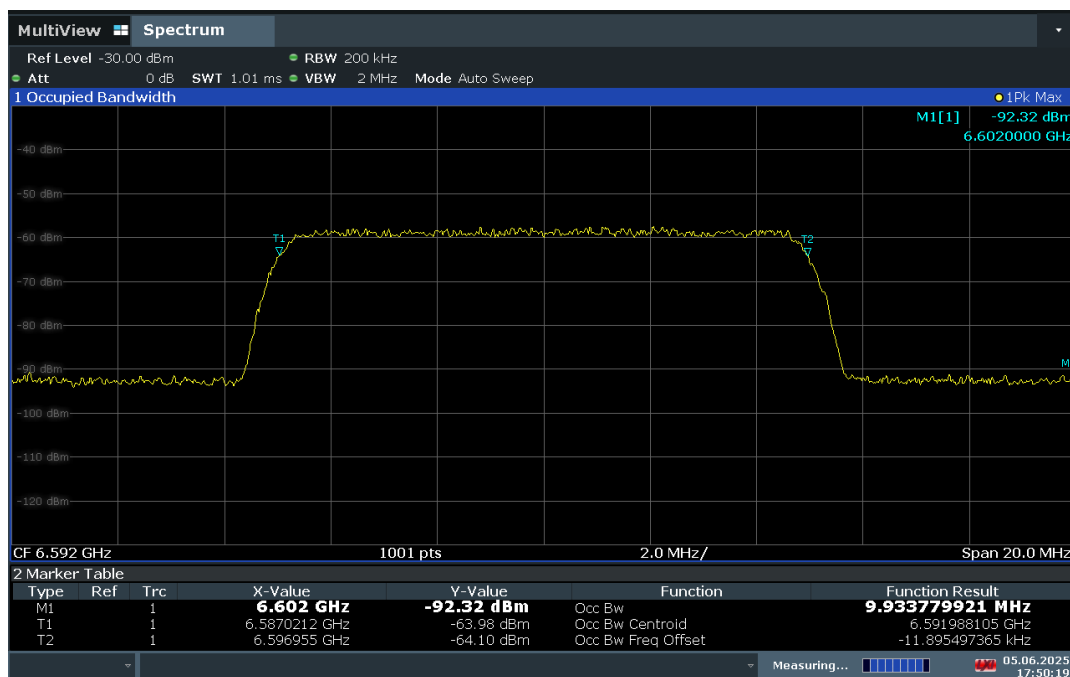
V 11.0 05/2025

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17:49:00 05.06.2025

Plot 7-281. AWGN Signal – UNII 7 – 20MHz



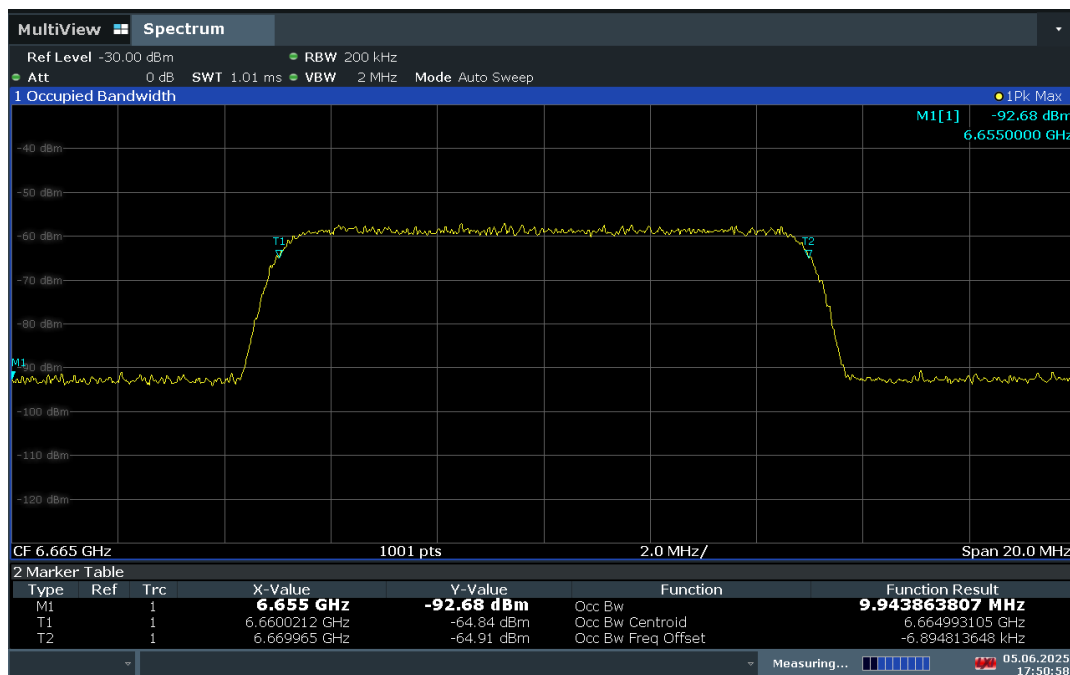
17:50:19 05.06.2025

Plot 7-282. AWGN Signal – UNII 7 – 160MHz - Low

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 98 of 188

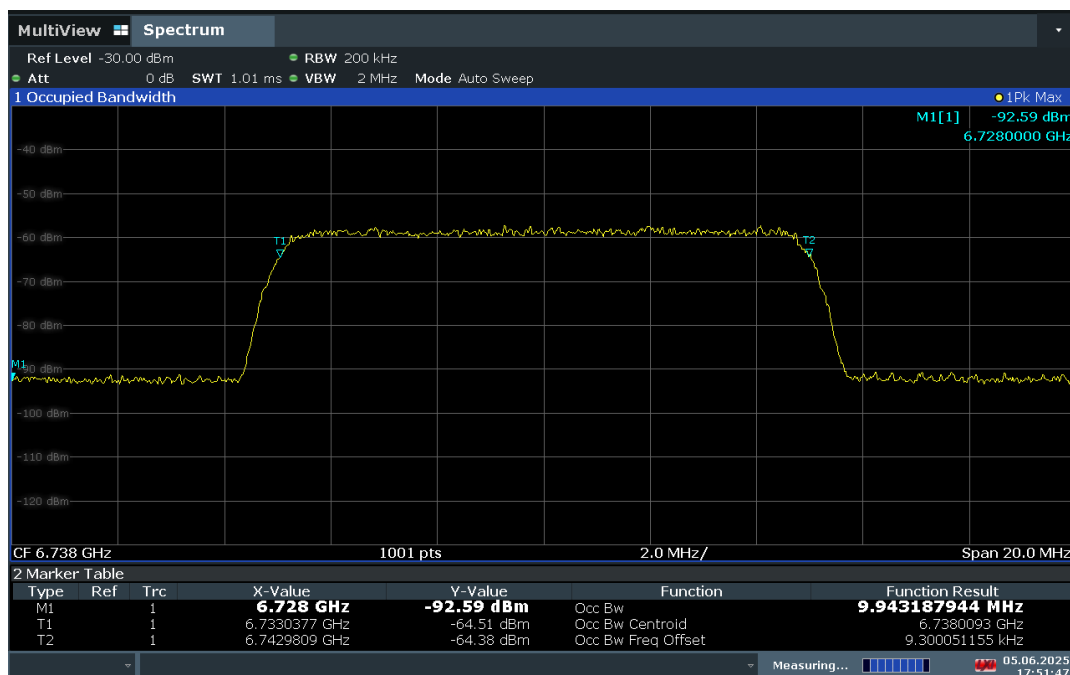
V 11.0 05/2025

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17:50:59 05.06.2025

Plot 7-283. AWGN Signal – UNII 7 – 160MHz – Mid



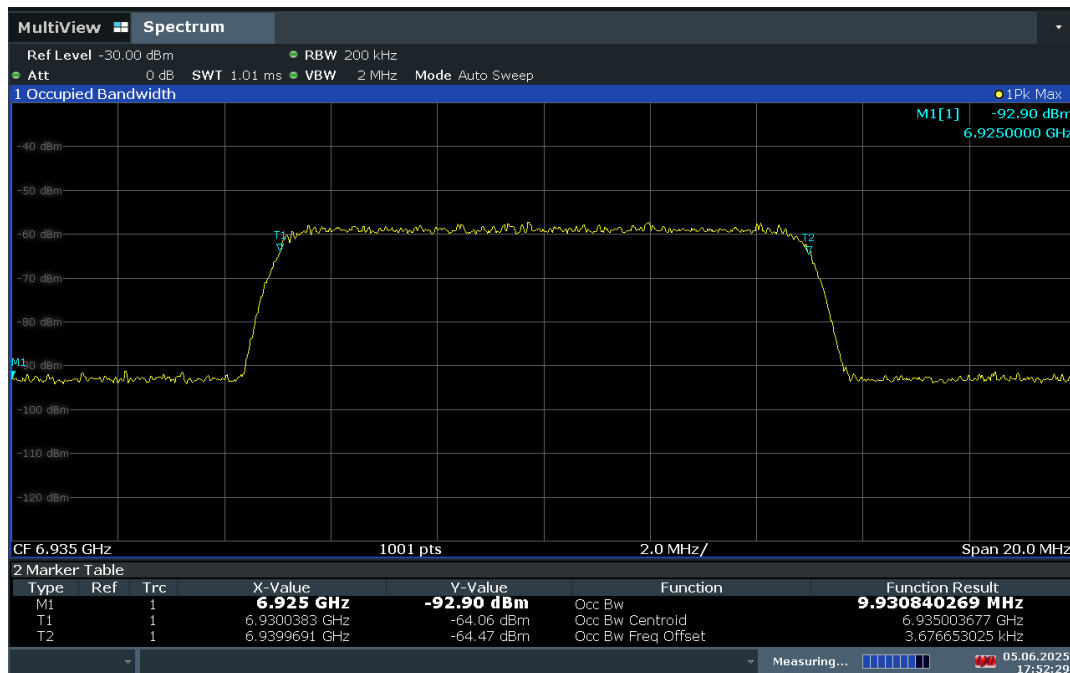
17:51:47 05.06.2025

Plot 7-284. AWGN Signal – UNII 7 – 160MHz - High

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 99 of 188

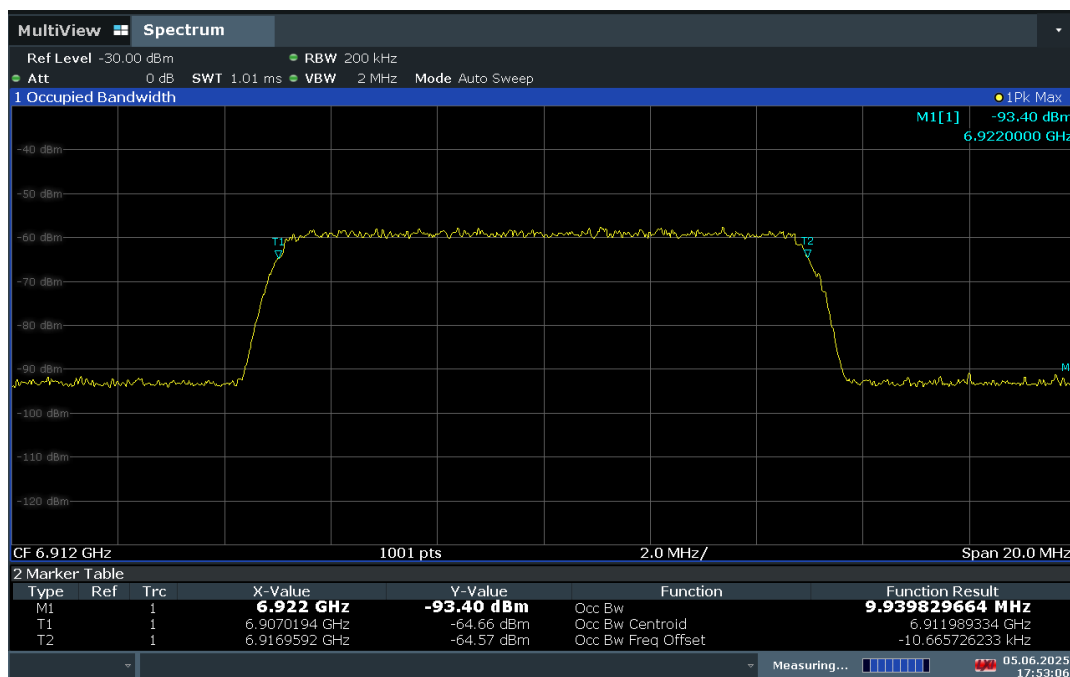
V 11.0 05/2025

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17:52:29 05.06.2025

Plot 7-285. AWGN Signal – UNII 8 – 20MHz



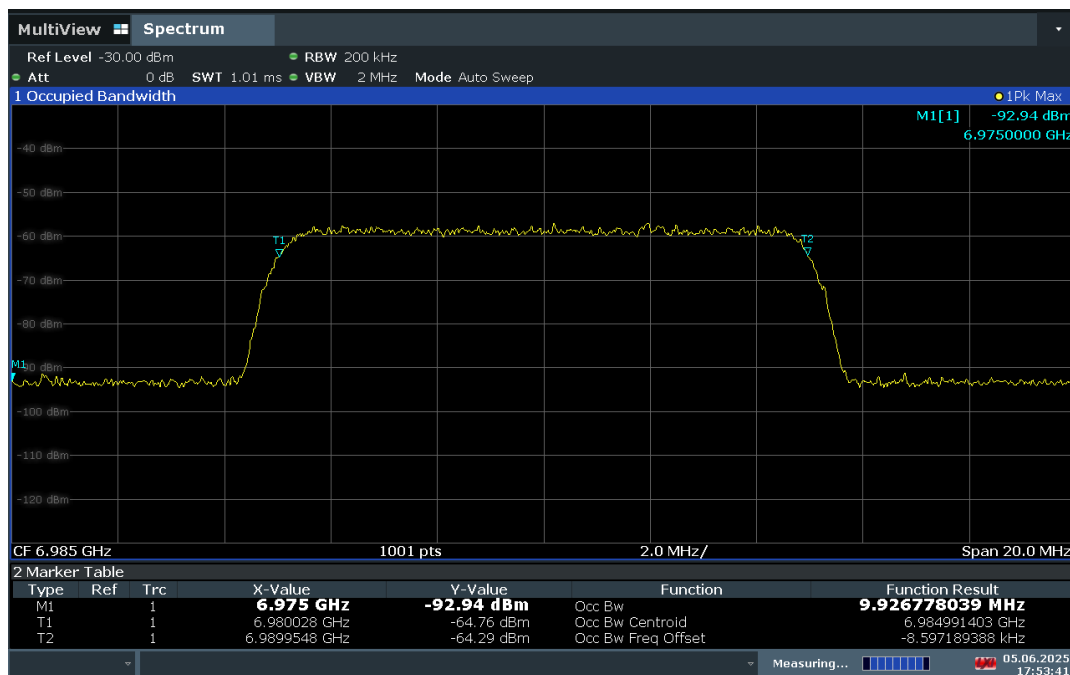
17:53:06 05.06.2025

Plot 7-286. AWGN Signal – UNII 8 – 160MHz - Low

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 100 of 188

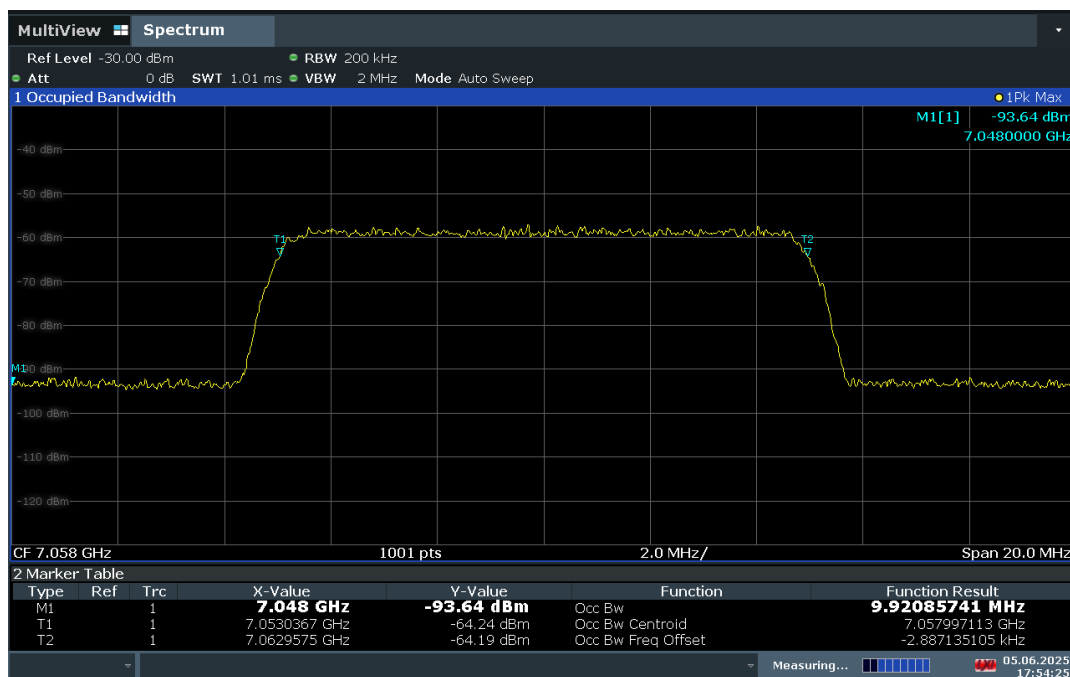
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17:53:41 05.06.2025

Plot 7-287. AWGN Signal – UNII 8 – 160MHz – Mid



17:54:26 05.06.2025

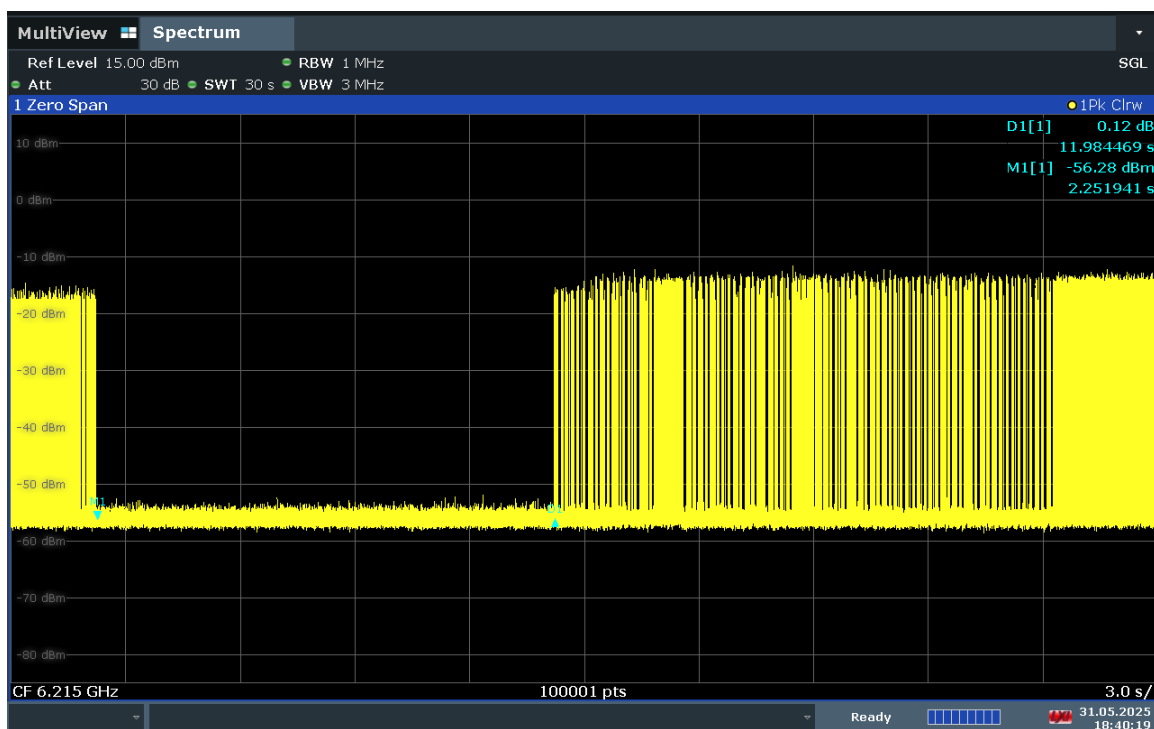
Plot 7-288. AWGN Signal – UNII 8 – 160MHz - High

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 101 of 188

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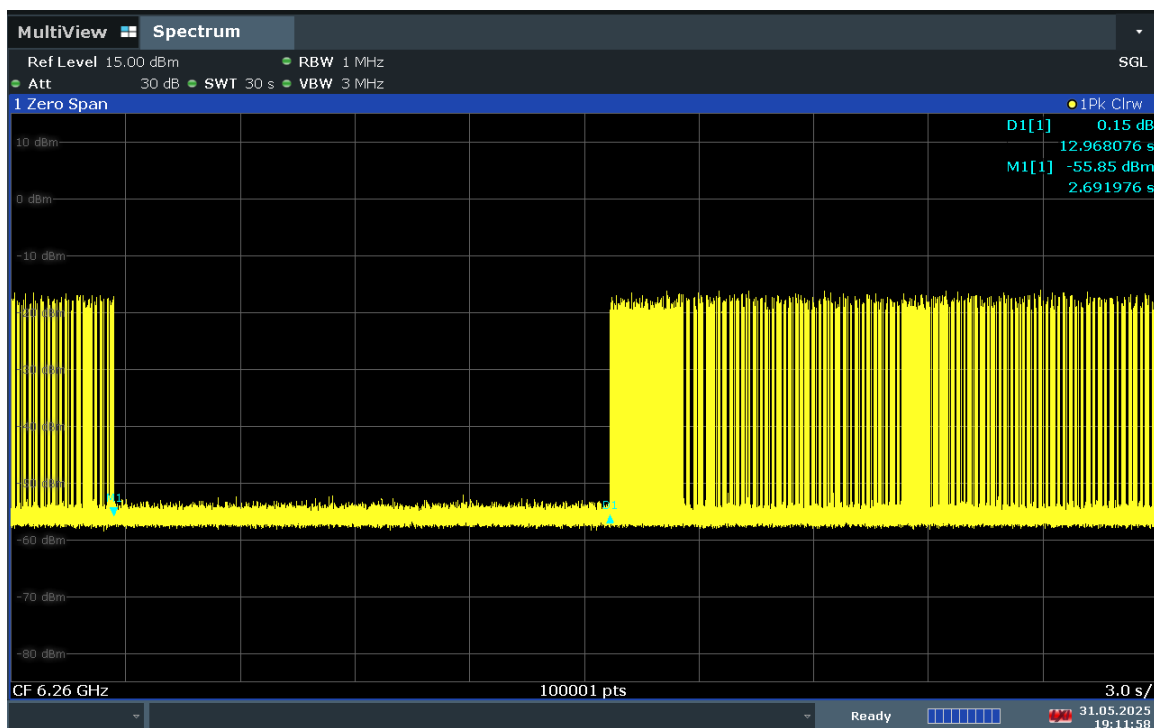
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Contention-Based Protocol Timing Plots



18:40:19 31.05.2025

Plot 7-289. Contention Based Protocol Timing Plot – UNII 5 – 20MHz Channel 53



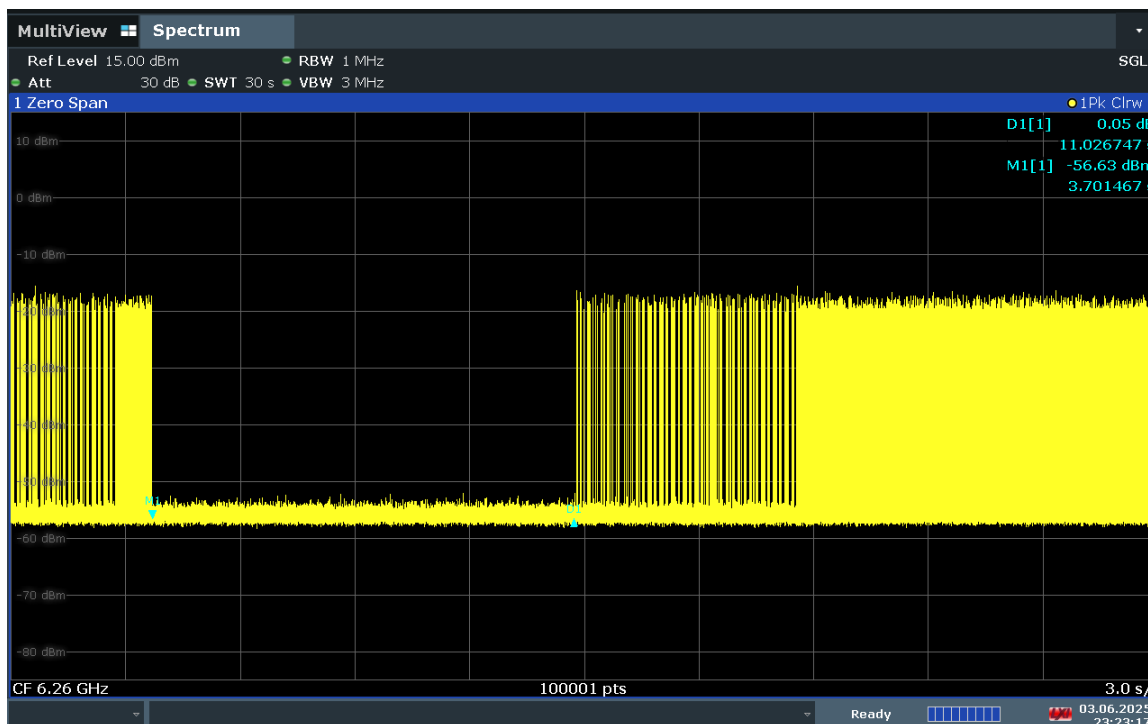
19:11:59 31.05.2025

Plot 7-290. Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – Low

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 102 of 188

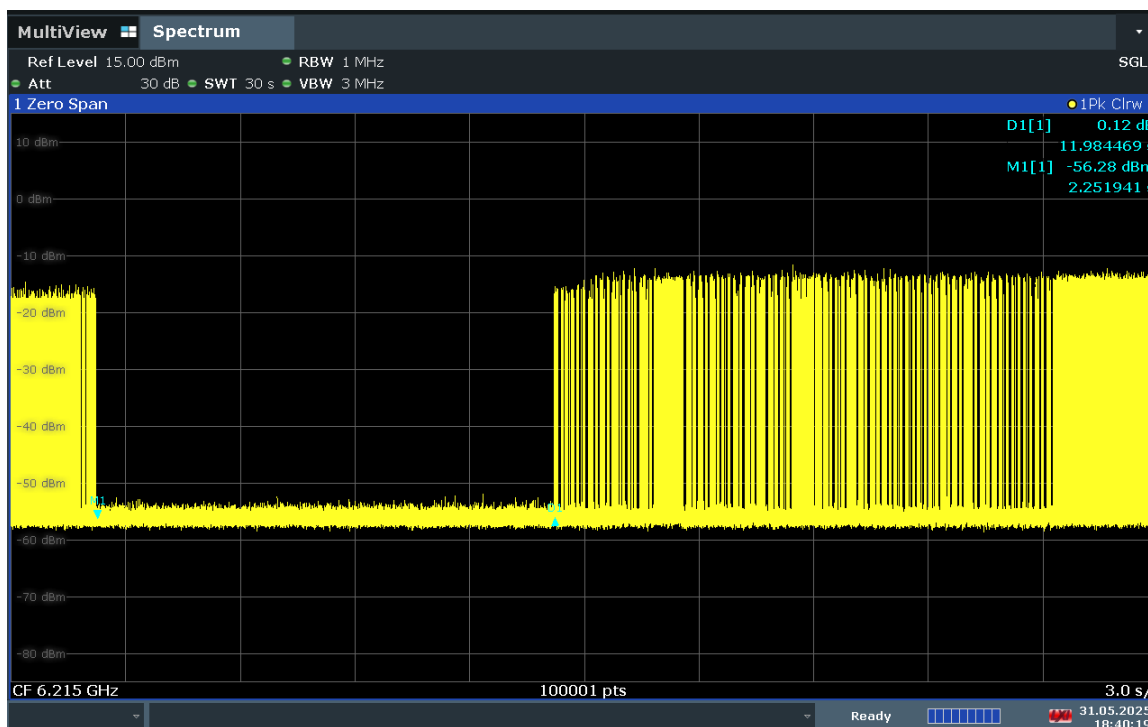
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23:23:18 03.06.2025

Plot 7-291. Contention Based Protocol Timing Plot –UNII 5 – 160MHz Channel 47 – Mid



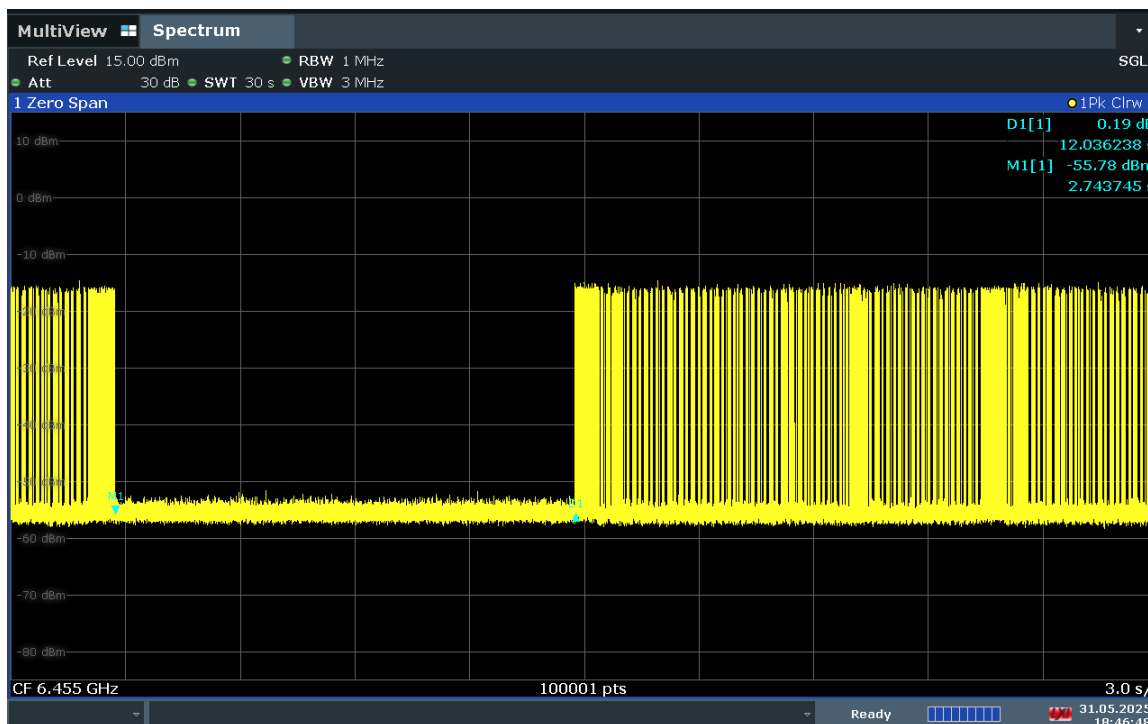
18:40:19 31.05.2025

Plot 7-292. Contention Based Protocol Timing Plot – UNII 5 – 160MHz Channel 47 – High

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 103 of 188

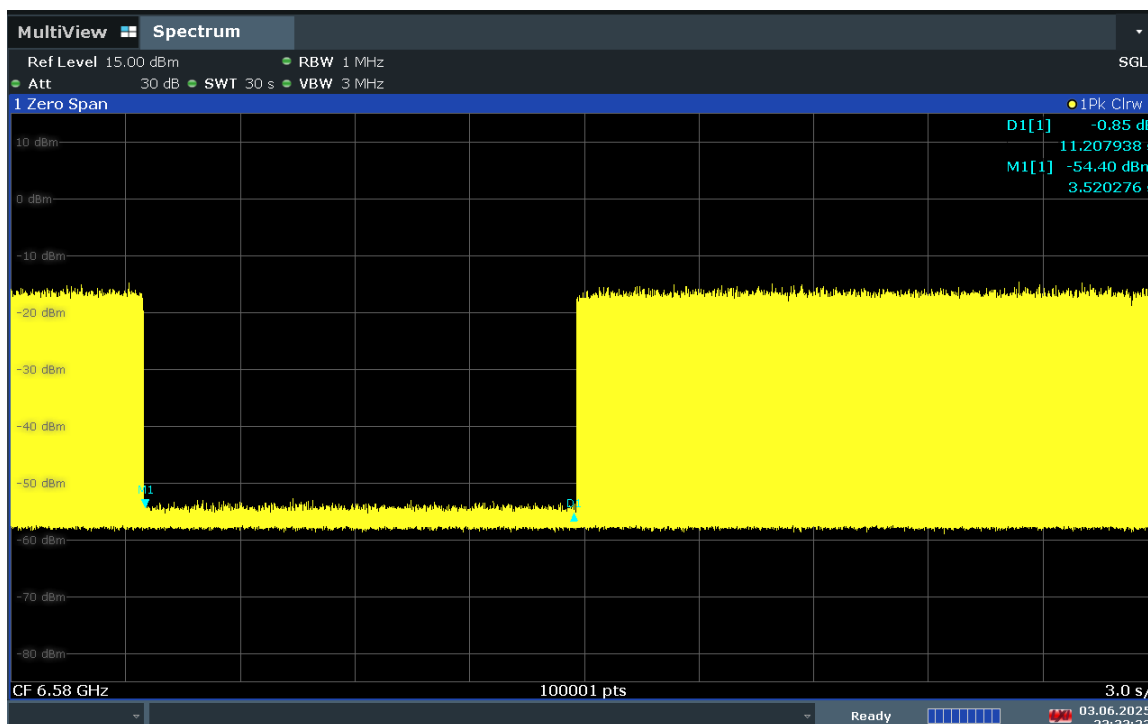
V 11.0 05/2025

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18:46:49 31.05.2025

Plot 7-293. Contention Based Protocol Timing Plot – UNII 6 – 20MHz Channel 101



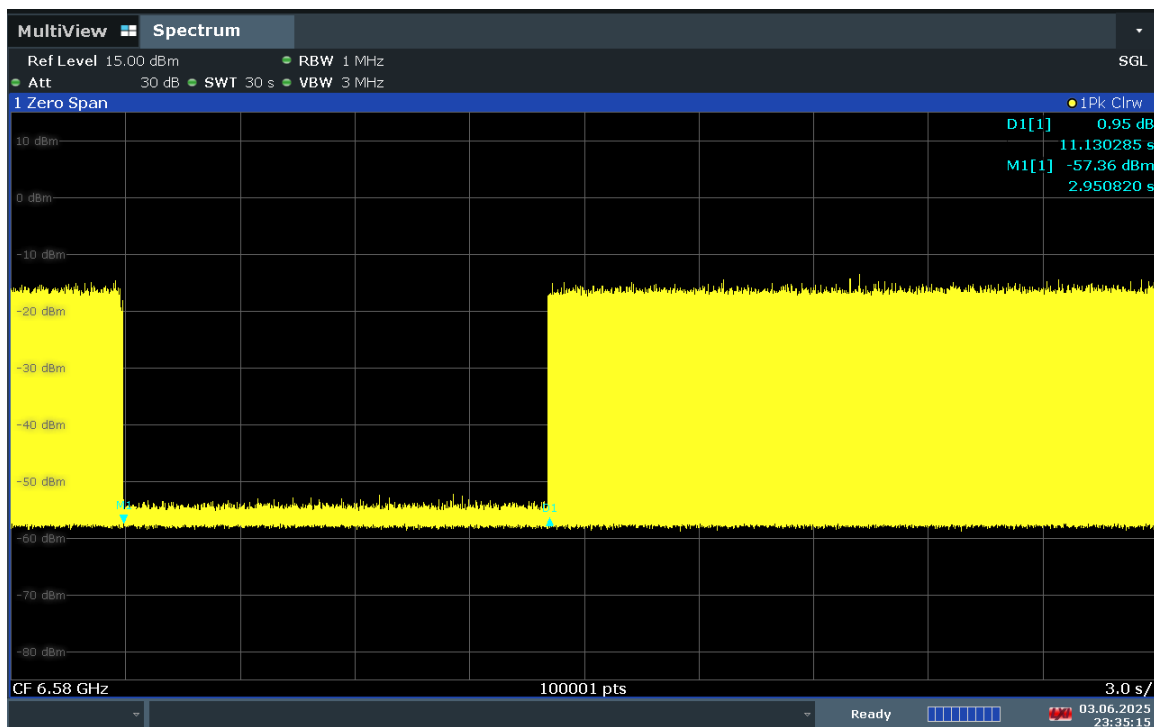
23:33:23 03.06.2025

Plot 7-294. Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – Low

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 104 of 188

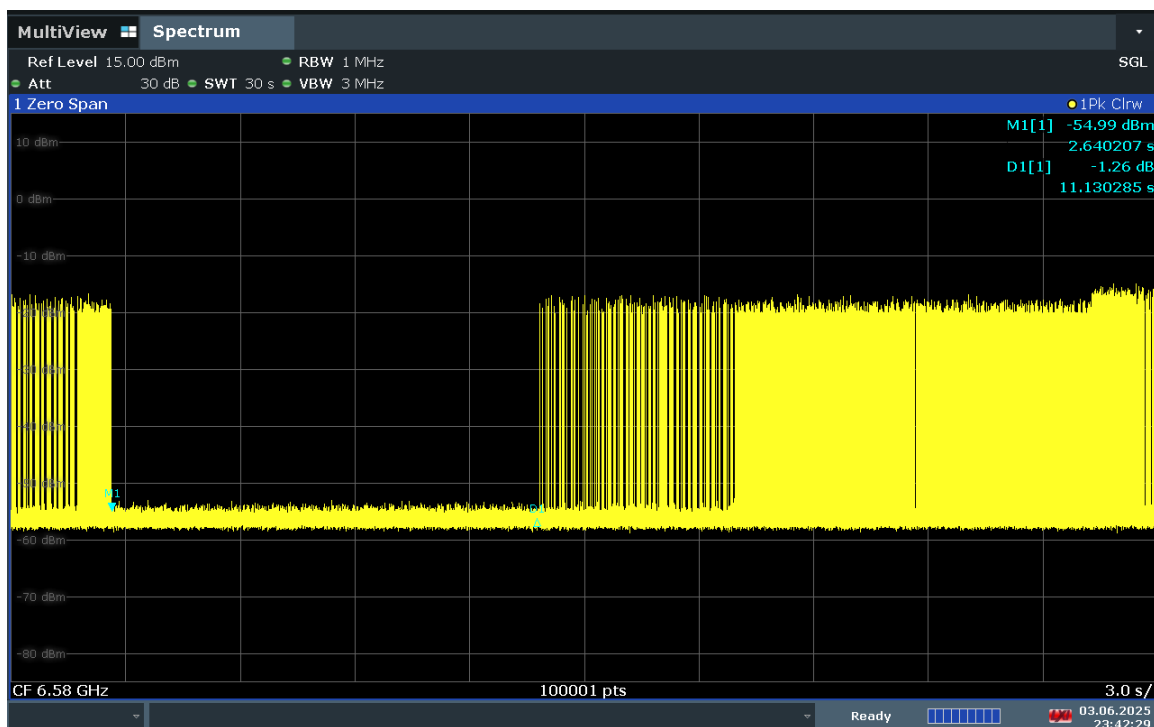
V 11.0 05/2025

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23:35:15 03.06.2025

Plot 7-295. Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – Mid



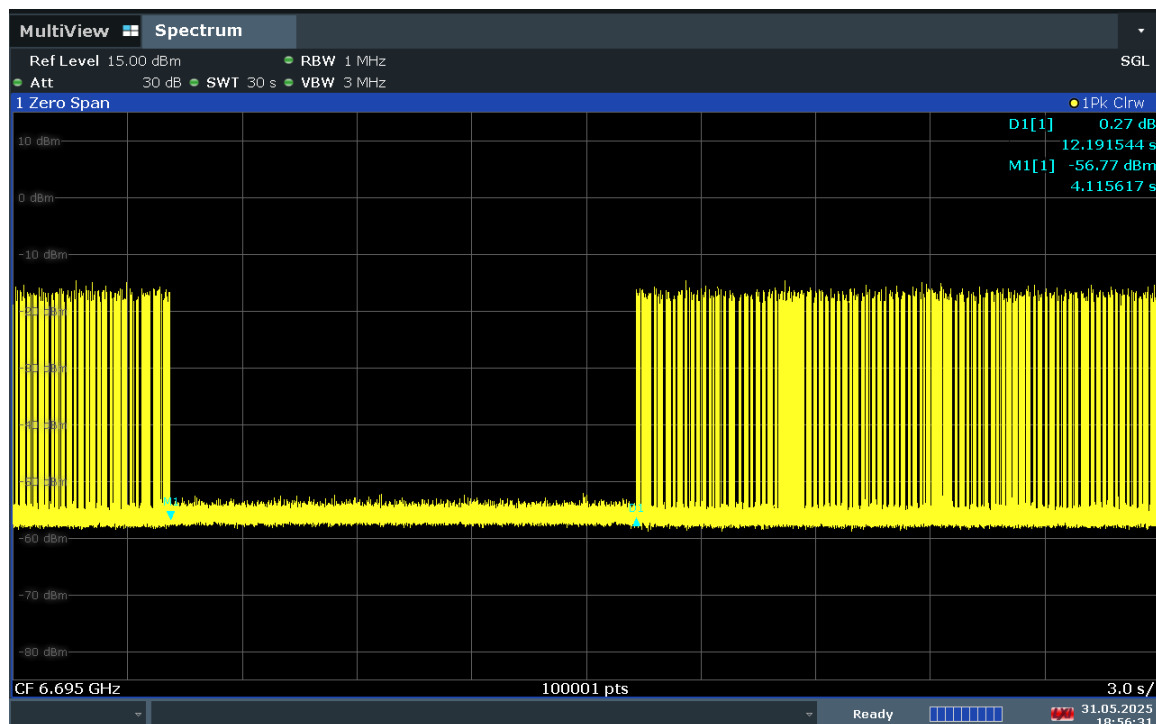
23:42:29 03.06.2025

Plot 7-296. Contention Based Protocol Timing Plot – UNII 6 – 160MHz Channel 111 – High

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 105 of 188

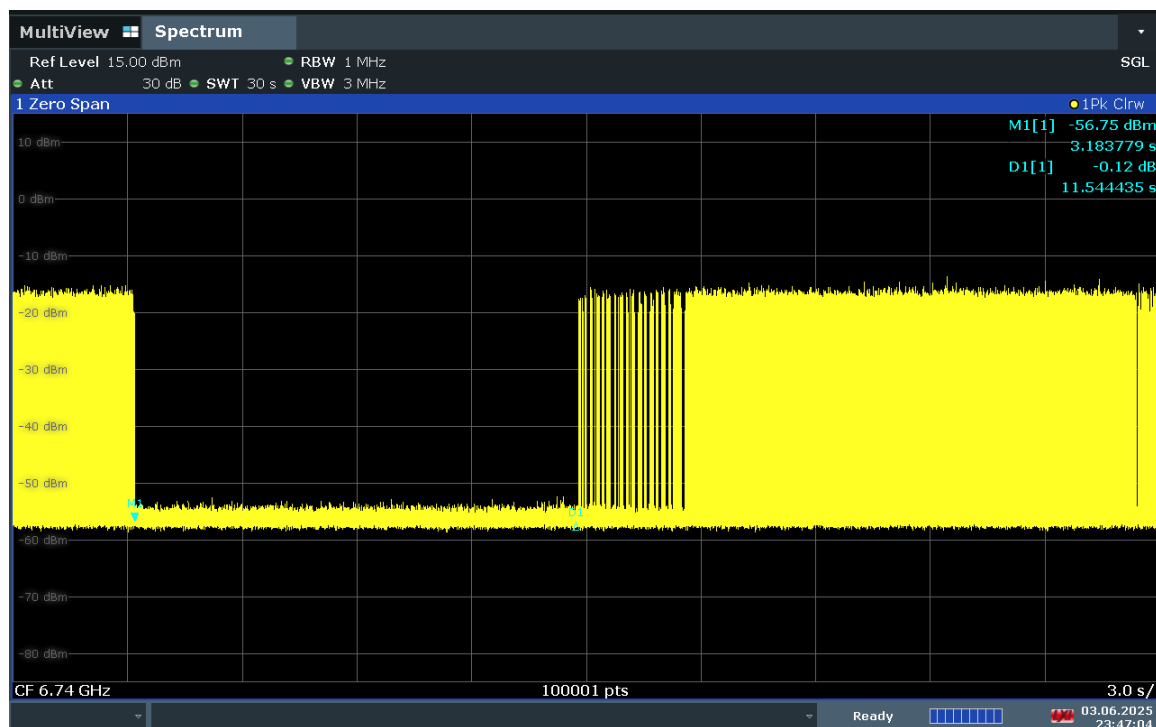
V 11.0 05/2025

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18:56:32 31.05.2025

Plot 7-297. Contention Based Protocol Timing Plot – UNII 7 – 20MHz Channel 149



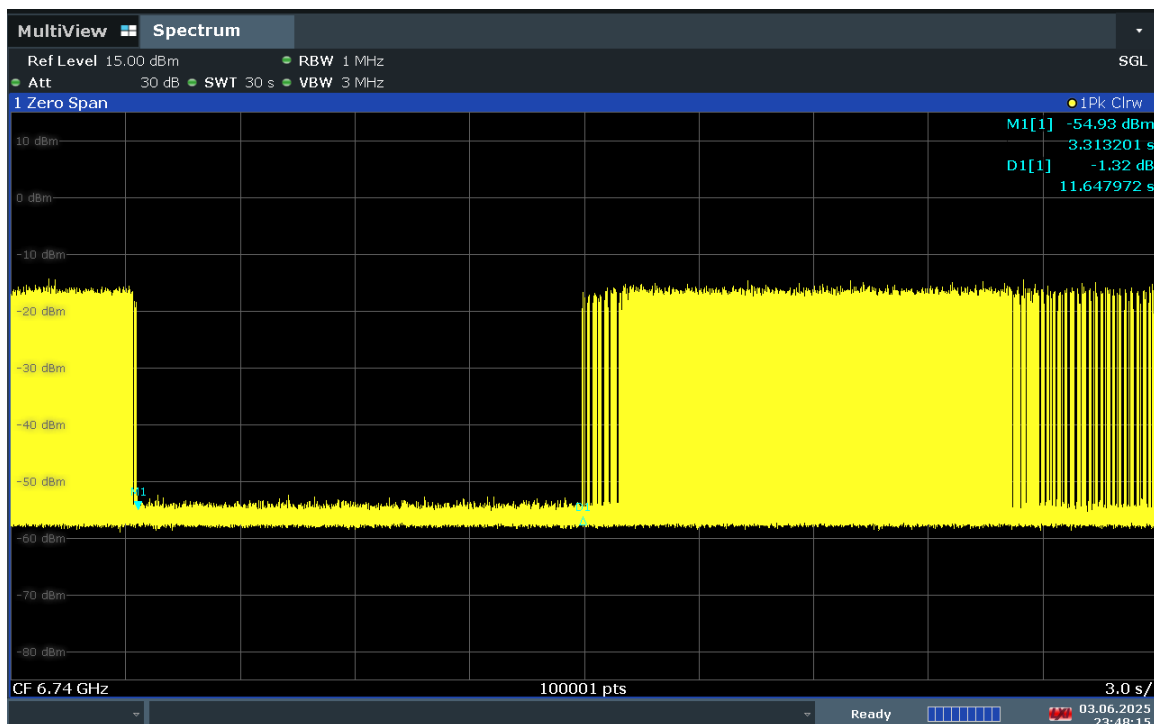
23:47:04 03.06.2025

Plot 7-298. Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – Low

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 106 of 188

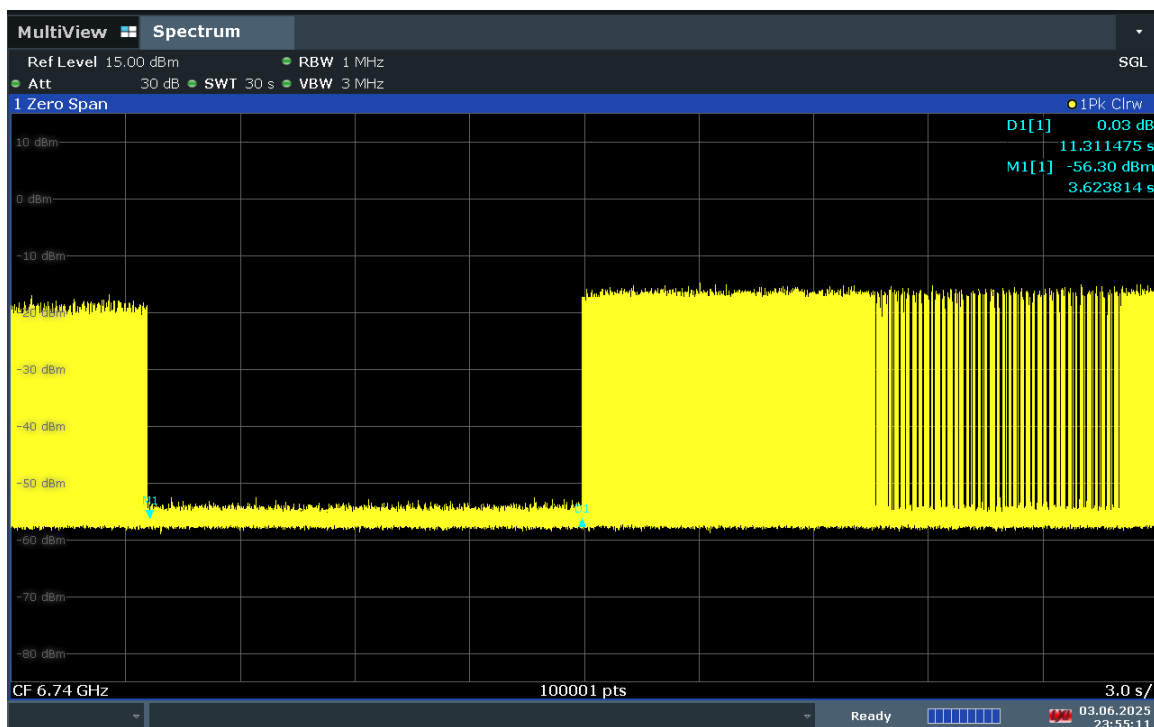
V 11.0 05/2025

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23:48:15 03.06.2025

Plot 7-299. Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – Mid



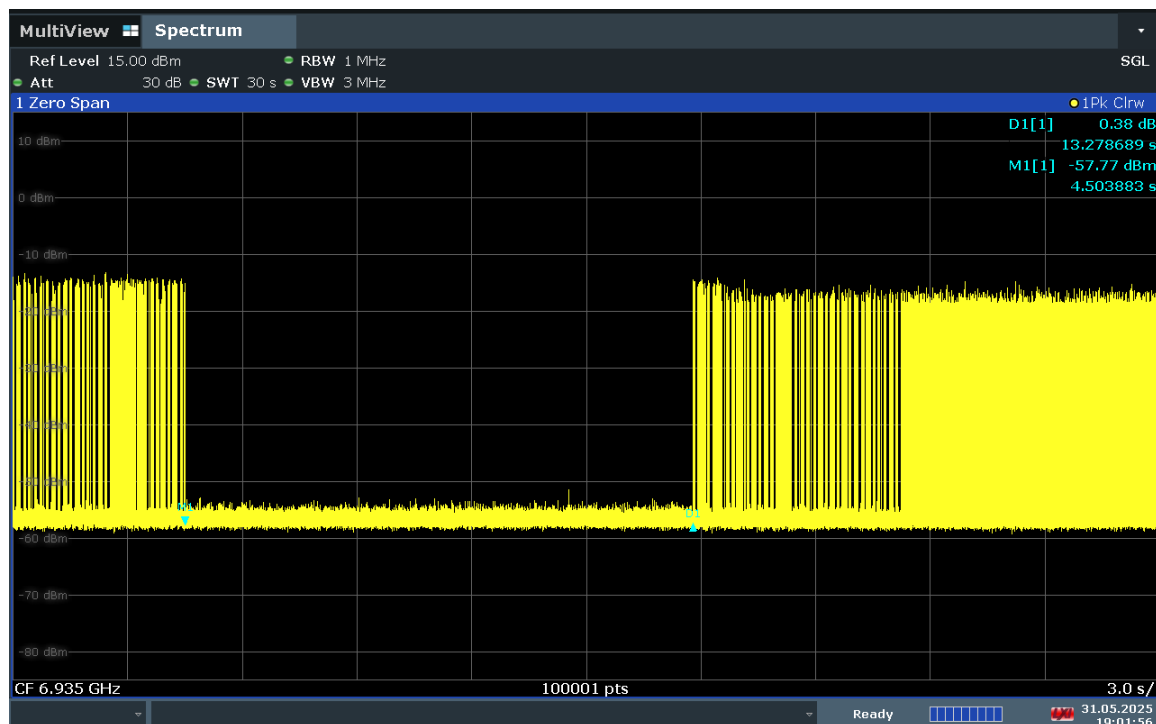
23:55:11 03.06.2025

Plot 7-300. Contention Based Protocol Timing Plot – UNII 7 – 160MHz Channel 143 – High

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 107 of 188

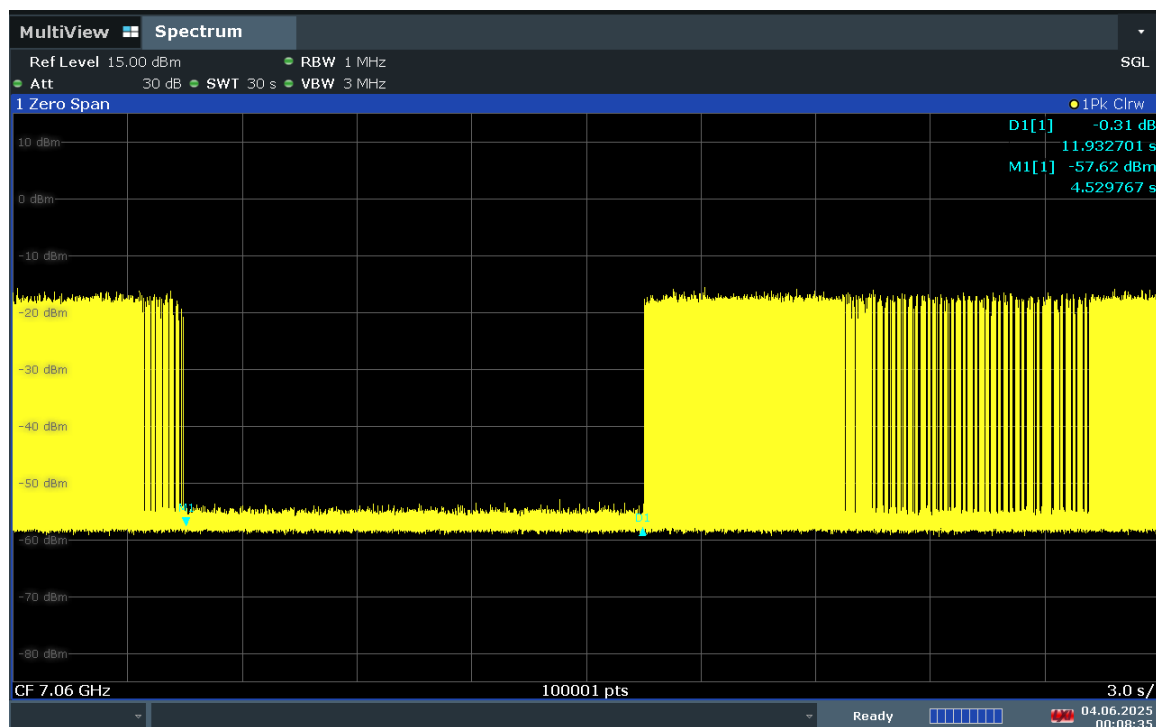
V 11.0 05/2025

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19:01:57 31.05.2025

Plot 7-301. Contention Based Protocol Timing Plot – UNII 8 – 20MHz Channel 197



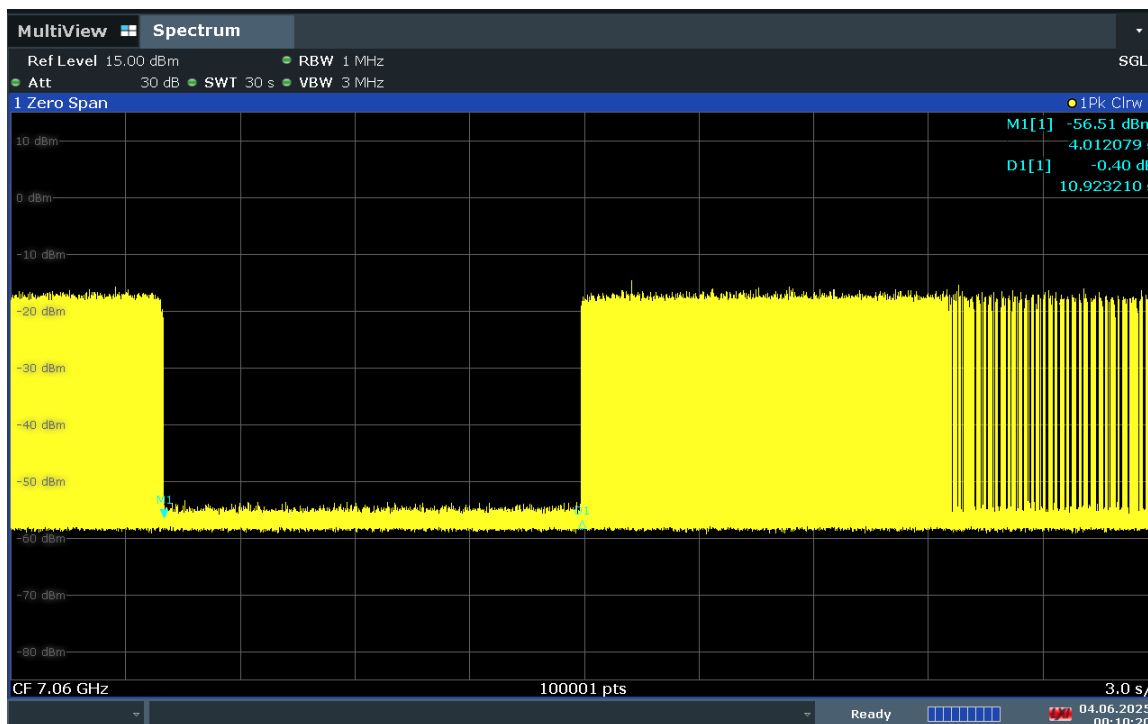
00:08:36 04.06.2025

Plot 7-302. Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – Low

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 108 of 188

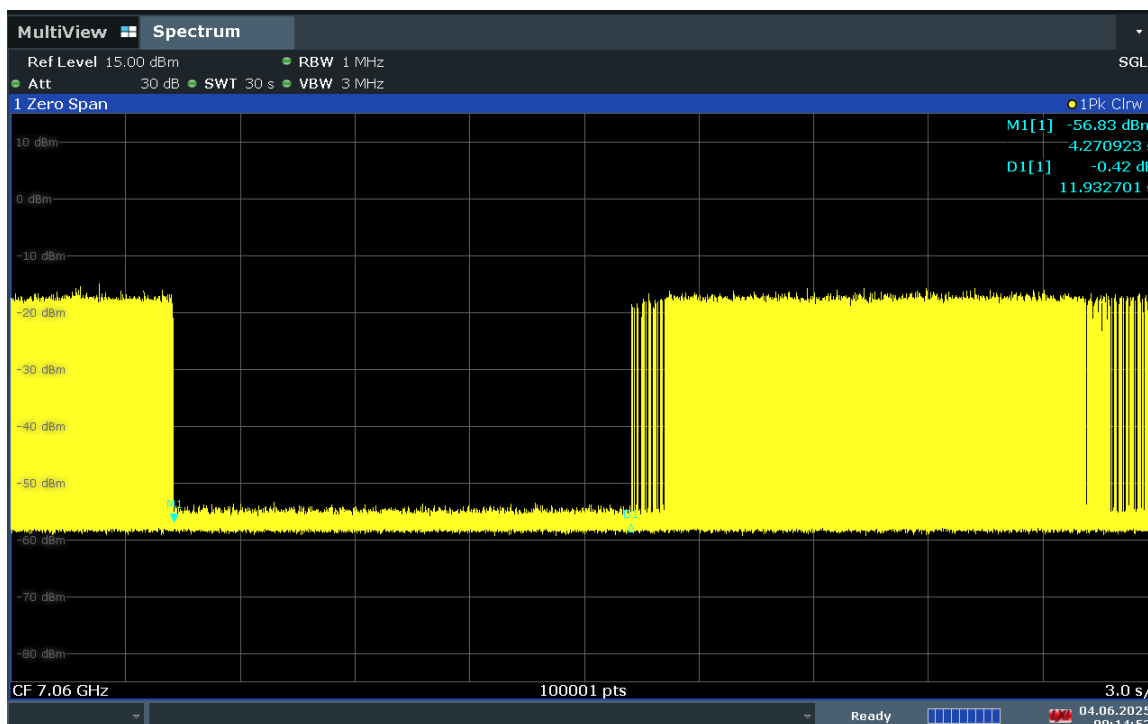
V 11.0 05/2025

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00:10:20 04.06.2025

Plot 7-303. Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – Mid



00:14:52 04.06.2025

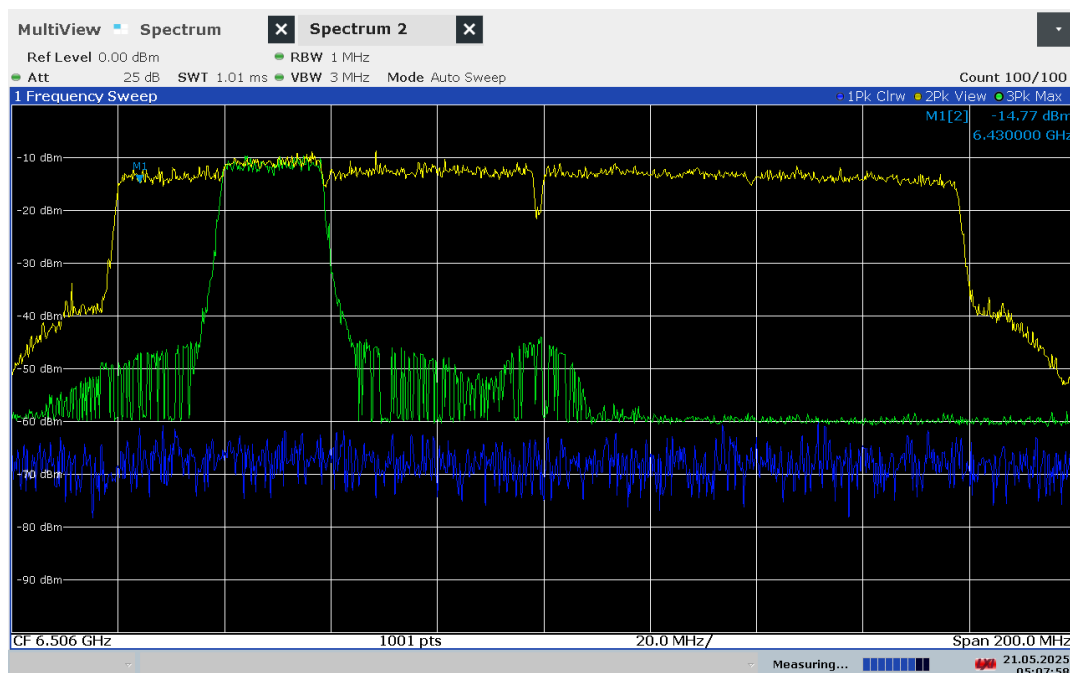
Plot 7-304. Contention Based Protocol Timing Plot – UNII 8 – 160MHz Channel 207 – High

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 109 of 188

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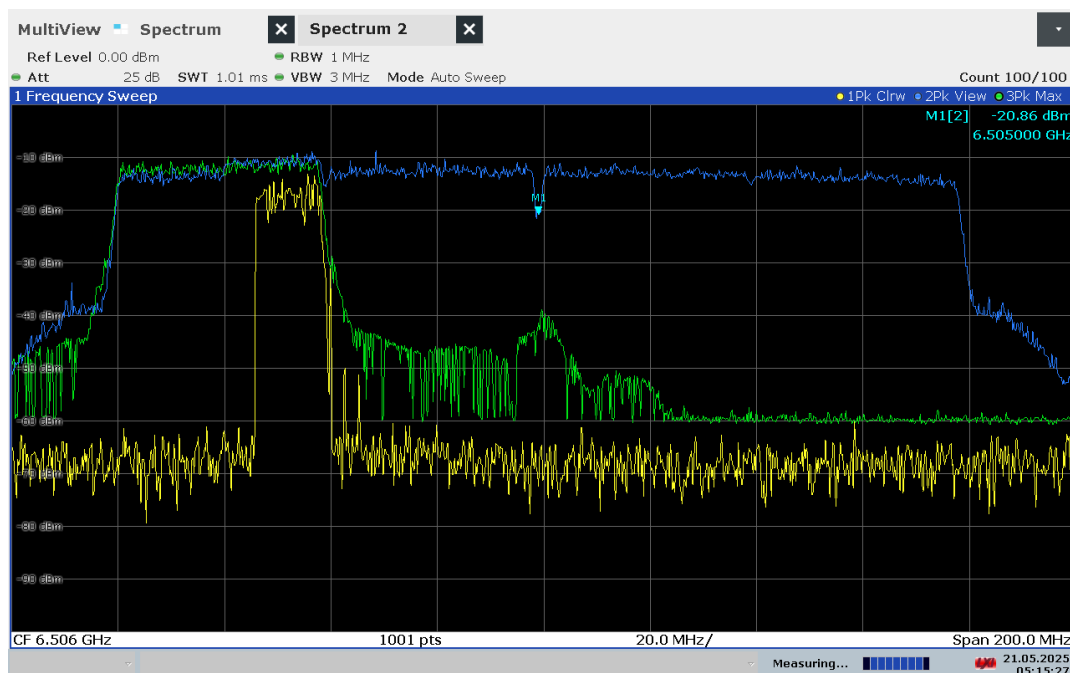
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CBP Bandwidth Reduction Plots



05:07:59 21.05.2025

Plot 7-305. 160MHz Bandwidth, AWGN Signal Injected – 6430Mhz



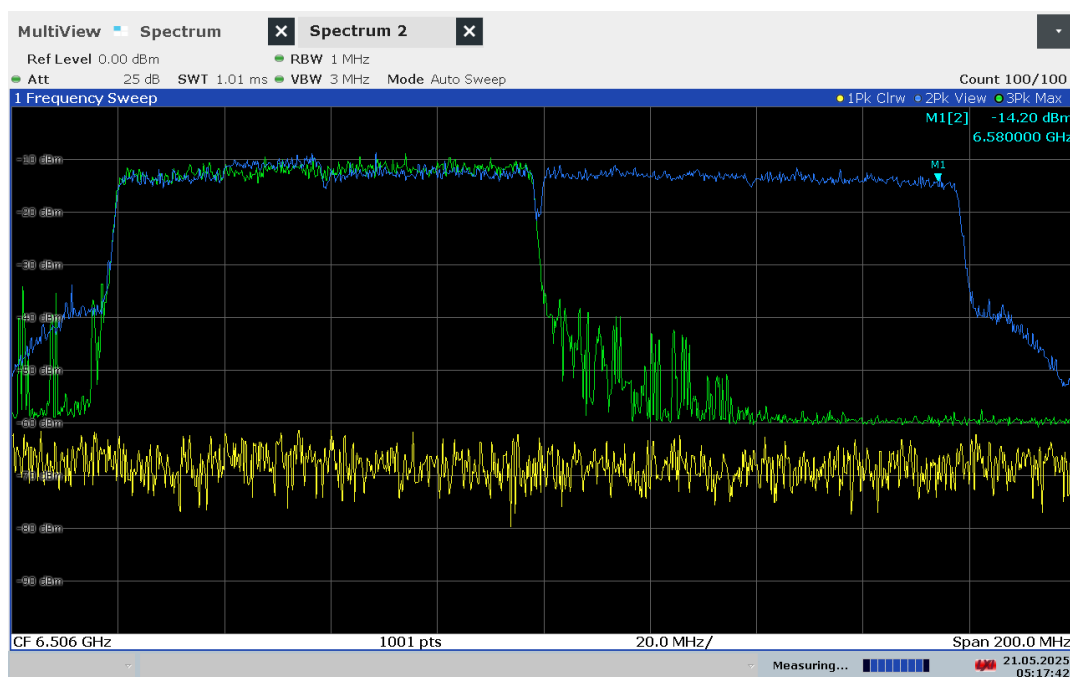
05:15:27 21.05.2025

Plot 7-306. 160MHz Bandwidth, AWGN Signal Injected – 6505MHz

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 110 of 188

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05:17:43 21.05.2025

Plot 7-307. 160MHz Bandwidth, AWGN Signal Injected – 6580MHz

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 111 of 188

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7.7 Transmit Power Control (TPC)

§15.407(d)(10); RSS-248[4.5.6]

Test Overview and Limit

Very low power devices operating in the 5.925-6.425 and 6.525-6.875 GHz bands shall employ a transmit power control (TPC) mechanism. A very low power device is required to have the capability to operate at least 6 dB below the maximum EIRP power spectral density (PSD) value of -5 dBm/MHz.

Test Procedure Used

ANSI C63.10-2020 – Section 12.4.2.6
KDB 789033 D02 v02r01 – Section F

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Set span to encompass the entire 99% OBW of the signal.
3. Set sweep trigger to “free run.”
4. Set RBW = 1 MHz
5. Set VBW $\geq$ 3 MHz
6. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$.
7. Sweep time $\leq (\text{number of points in sweep}) \times T$, where T is defined
8. Detector = power averaging (rms).
9. Trace mode = max hold.
10. Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

Test Setup

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

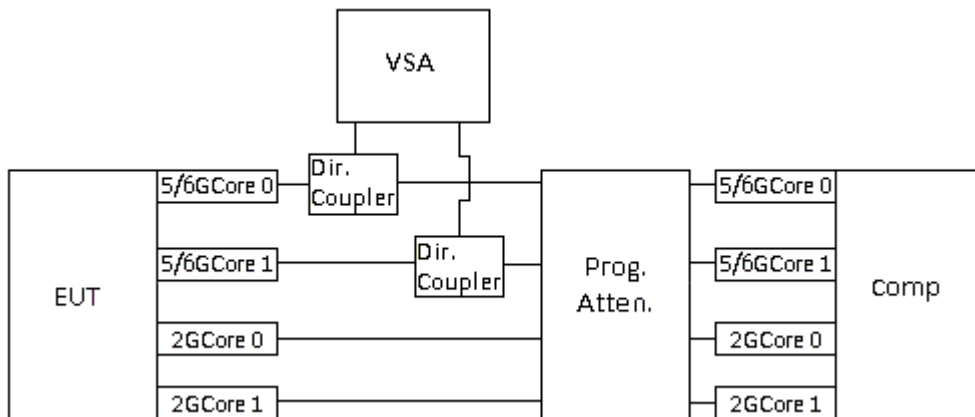


Figure 7-6. Test Instrument & Measurement Setup

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 112 of 188

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This test demonstrates the ability of the device to increase and decrease power by the required 6dB as the RSSI is decreased and increased.

1. Configure EUT and companion device for peer-to-peer communication as shown in Figure 7-6.
2. Set variable attenuator to 0dB (noise free spectral environment, high RSSI simulation)
3. Establish a link and start communication between EUT and companion device
4. Capture PSD on spectrum analyzer
5. Set attenuator to 20dB (noisy spectral environment, low RSSI simulation)
6. Capture PSD on spectrum analyzer
7. Compare the highest PSD captured in step 4 to the highest PSD on step 6 and determine the delta.

Test Notes

1. The companion device used was model: A3360 (refer to Table 2-10)
2. Per manufacturer's declaration, after establishing communication between the EUT and the companion device, 6GHz UNII signal was used to maintain communication and traffic.
3. TPC is triggered when a high RSSI is detected. As RSSI detected signal decreases, the transmitters output power will increase back to maximum allowed power.

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 113 of 188

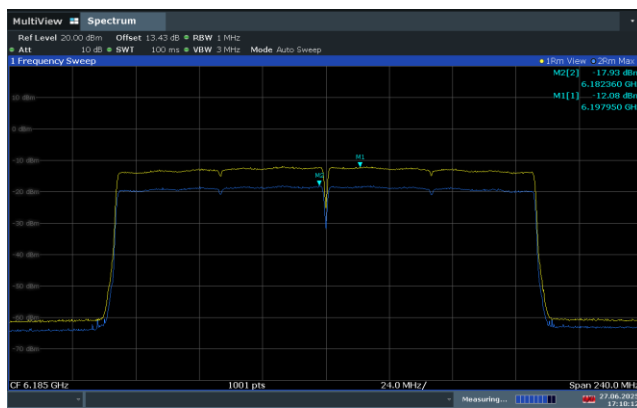
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BW [MHz]	Frequency [MHz]	MIMO		Summed Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	e.i.r.p. Power Density Limit [dBm/MHz]	Pass/Fail
		Measured Power Density [dBm/MHz]						
		Antenna WF8	Antenna WF5B					
160	6185	-12.08	-11.25	-8.63	0.40	-8.23	-5.00	Pass

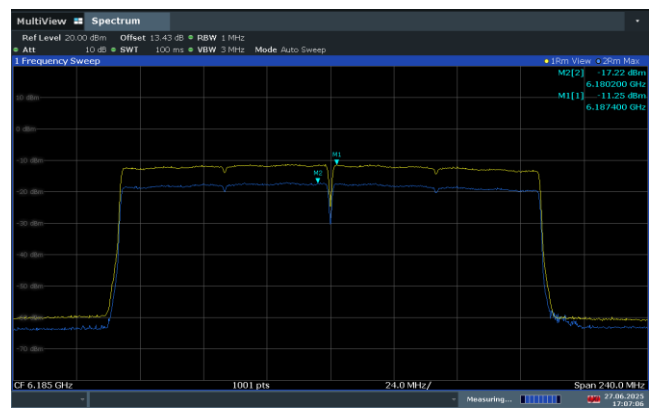
Table 7-43. PSD Measurements (No TPC)

BW [MHz]	Frequency [MHz]	MIMO		Summed Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	e.i.r.p. Power Density Limit [dBm/MHz]	Pass/Fail
		Measured Power Density [dBm/MHz]						
		Antenna WF8	Antenna WF5B					
160	6185	-17.93	-17.22	-14.55	0.40	-14.15	-5.00	Pass

Table 7-44. PSD Measurements (with TPC)



Plot 7-308. 160MHz Bandwidth – 6185MHz Antenna WF8



Plot 7-309. 160MHz Bandwidth – 6185MHz Antenna WF5B

FCC ID: BCGA3357 IC: 579C-A3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.8 Radiated Spurious Emissions – Above 1GHz

§15.407(b) §15.205 §15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. 802.11a, 802.11be(SU) (20MHz BW), 802.11be(SU) (40MHz BW), 802.11be(SU) (80MHz), 802.11be(SU) (160MHz) and modulations/data rates were investigated among the UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

For transmitters operating in the 5.925-7.125 GHz band: All emissions outside of the 5.925-7.125 GHz band shall not exceed an EIRP of -27 dBm/MHz. Emissions found in a restricted band are subject to the limits of 15.209 and RSS-Gen (8.9) as shown in the table below.

Frequency	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-45. Radiated Limits

Test Procedures Used

ANSI C63.10-2020 – Sections 12.7.7, 12.7.6.

KDB 789033 D02 v02r01 – Section G

Test Settings

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span/RBW}$)
6. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

FCC ID: BCGA3357 IC: 579C-A3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Test Setup

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

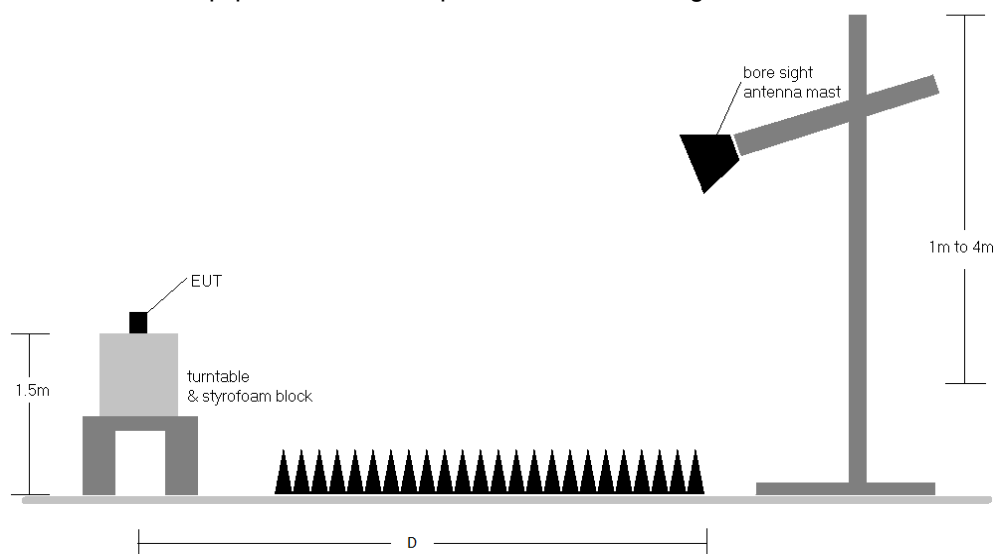


Figure 7-7. Test Instrument & Measurement Setup

FCC ID: BCGA3357 IC: 579C-A3357			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Test Notes

1. All emissions that lie in the restricted bands (denoted by a * next to the frequency) specified in §15.205 and section 8.10 of RSS-Gen are below the limit shown in Table 7-45.
2. All spurious emissions lying in restricted bands specified in §15.205 and section 8.10 of RSS-Gen are below the limit shown in Table 7-45. All spurious emissions that do not lie in a restricted band are subject to a limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
8. All data rates were investigated and only the worse case is reported
9. The unit was tested with all possible modes and only the highest emission is reported.
10. The “-” shown in the following RSE tables are used to denote a noise floor measurement.
11. All radiated measurements were tested at the highest supported power setting per band.

Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level [dB μ V/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] – Preamplifier Gain [dB]
- Margin [dB] = Field Strength Level [dB μ V/m] – Limit [dB μ V/m]

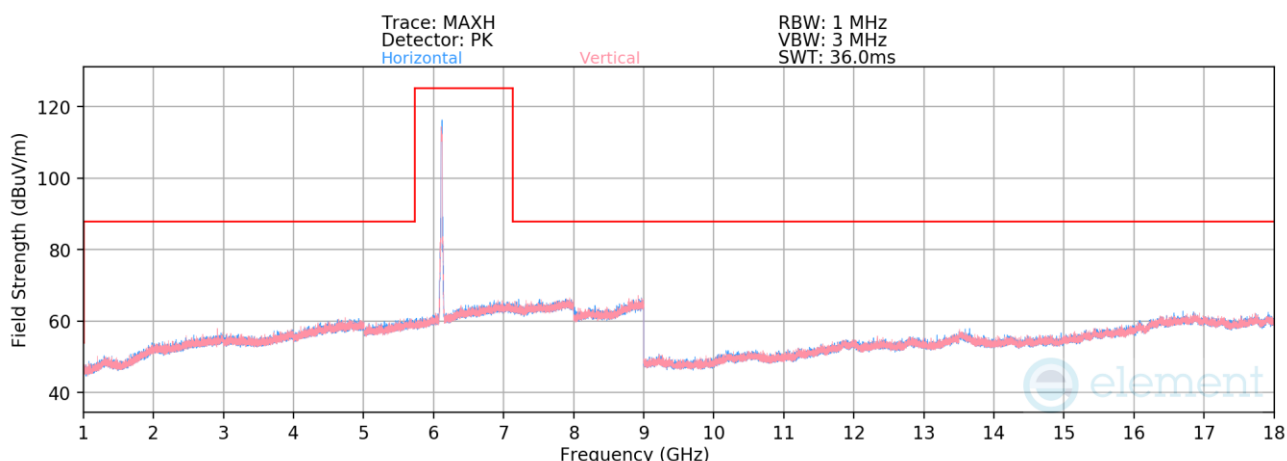
Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.7.6 to 7.7.25 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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7.8.1 SDM Primary Radiated Spurious Emission



Plot 7-310. Radiated Spurious Emissions 1-18GHz SDM Primary (802.11be – Ch. 33)

Mode:	802.11be
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6115MHz
Channel:	33

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	12230.00	Average	V	-	-	-85.20	20.63	42.42	53.98	-11.56
*	12230.00	Peak	V	-	-	-73.89	20.63	53.74	73.98	-20.24

Table 7-46. Radiated Spurious Emission Measurements SDM Primary

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