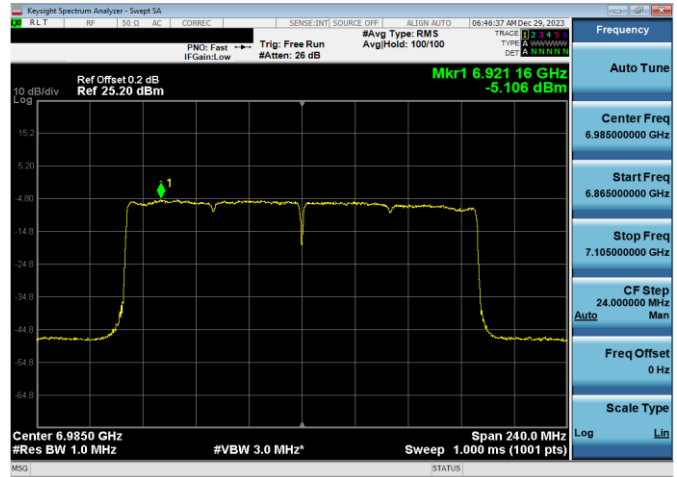


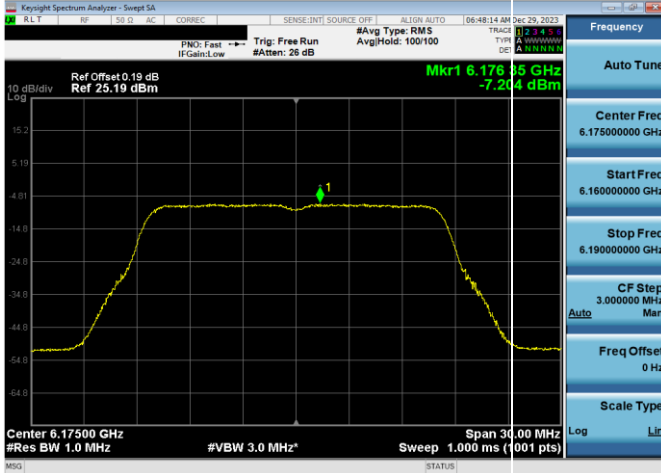
Plot 7-139. Power Spectral Density Plot Antenna WF8 Low Power Indoor (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS2)



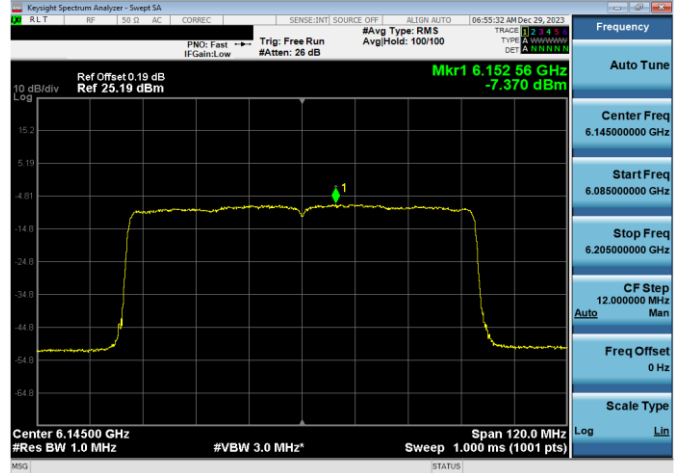
Plot 7-140. Power Spectral Density Plot Antenna WF8 Low Power Indoor (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS2)

FCC ID: BCGA2902 IC: 579C-A2902		<b>MEASUREMENT REPORT</b> (Certification)	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270063-13-R1.BCG	<b>Test Dates:</b> 11/29/2023 - 04/04/2024	<b>EUT Type:</b> Tablet Device	Page 84 of 336

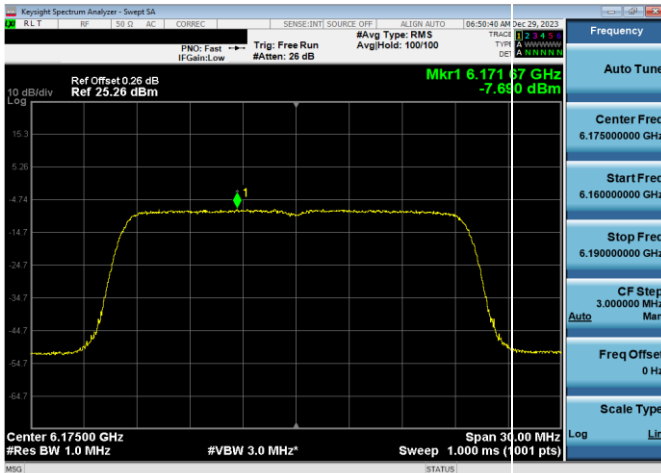
Mid Data Rate



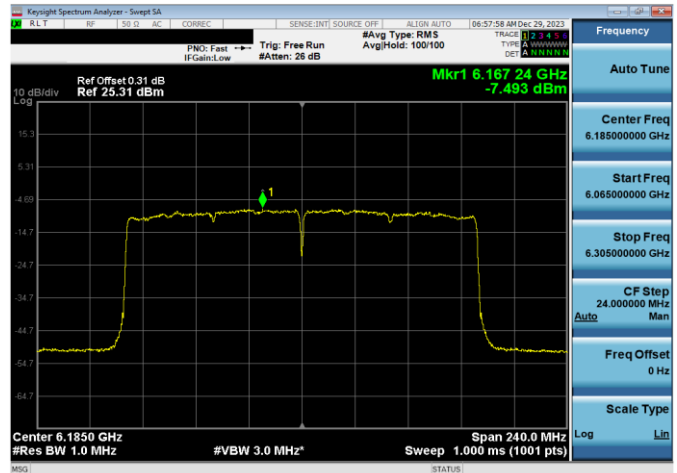
Plot 7-141. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11a (UNII Band 5) – Ch. 45, 24Mbps)



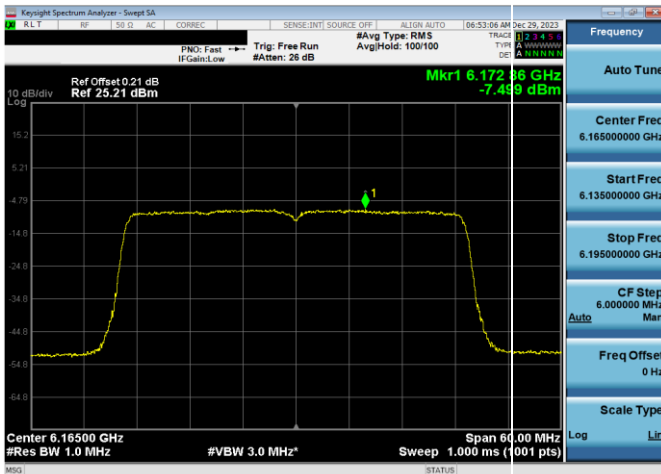
Plot 7-144. Power Spectral Density Plot Antenna WF8 Low Power Indoor (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS4)



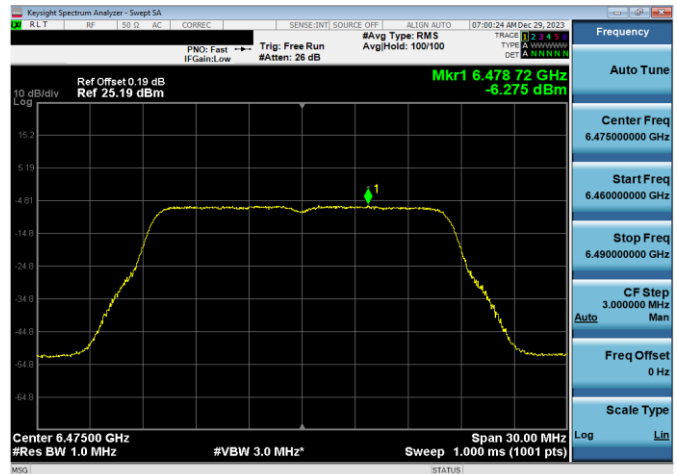
Plot 7-142. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS4)



Plot 7-145. Power Spectral Density Plot Antenna WF8 Low Power Indoor (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS4)

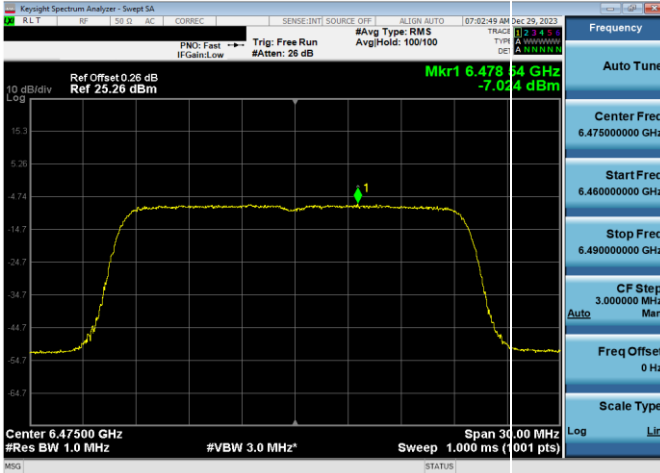


Plot 7-143. Power Spectral Density Plot Antenna WF8 Low Power Indoor (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS4)



Plot 7-146. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11a (UNII Band 6) – Ch. 105, 24Mbps)

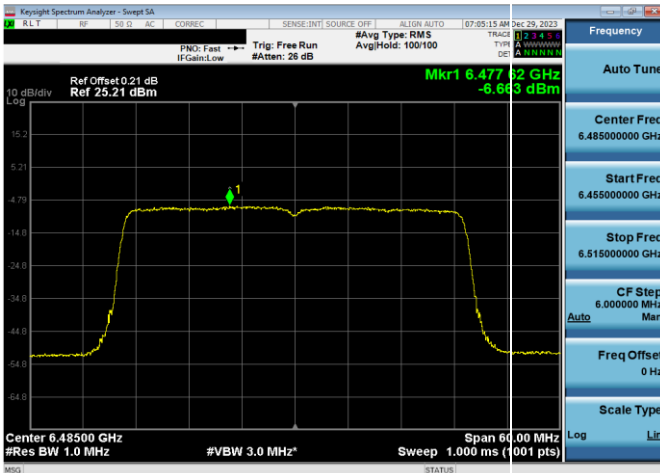
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 85 of 336



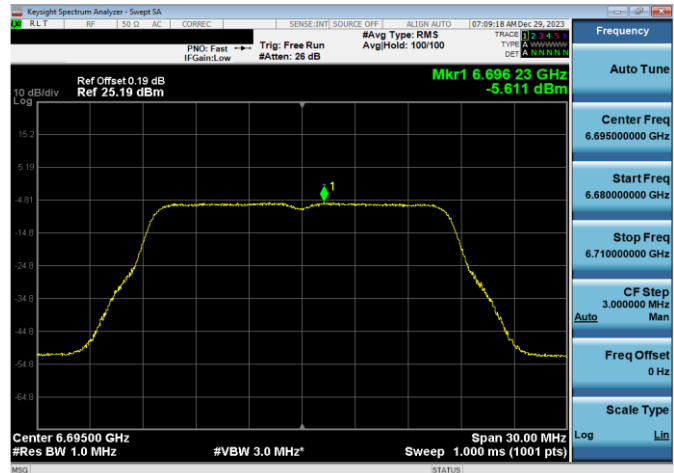
Plot 7-147. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11ax (UNII Band 6) - Ch. 105, MCS4)



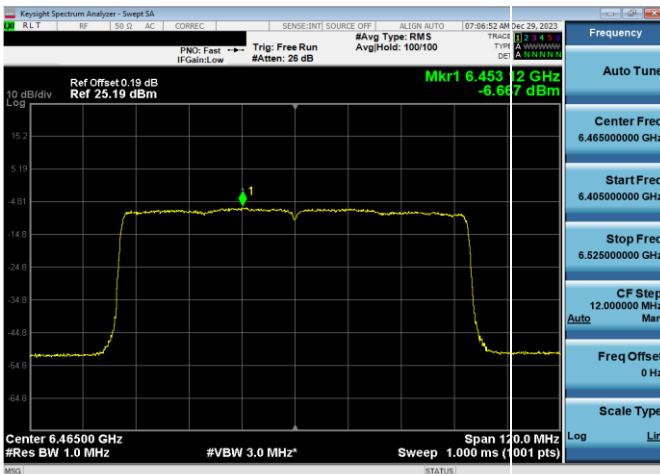
Plot 7-150. Power Spectral Density Plot Antenna WF8 Low Power Indoor (160MHz 802.11ax (UNII Band 6) - Ch. 111, MCS4)



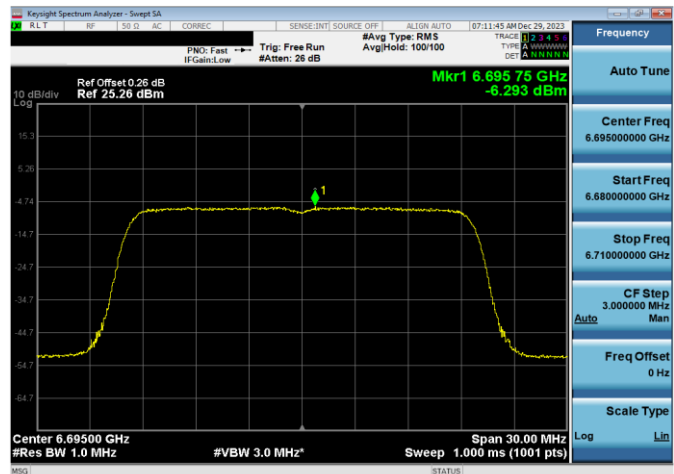
Plot 7-148. Power Spectral Density Plot Antenna WF8 Low Power Indoor (40MHz 802.11ax (UNII Band 6) - Ch. 107, MCS4)



Plot 7-151. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11a (UNII Band 7) - Ch. 149, 24Mbps)

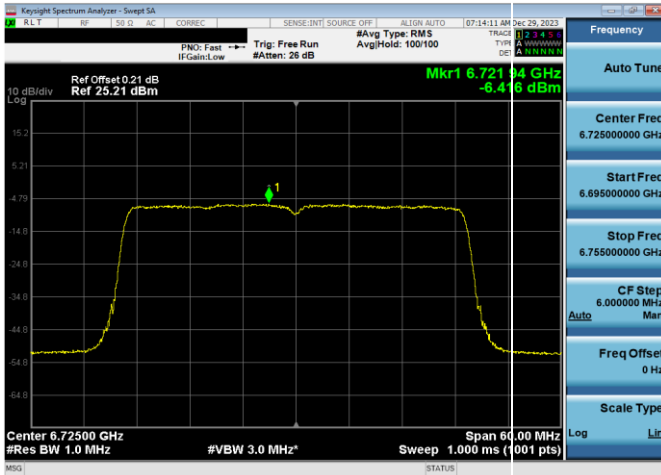


Plot 7-149. Power Spectral Density Plot Antenna WF8 Low Power Indoor (80MHz 802.11ax (UNII Band 6) - Ch. 103, MCS4)

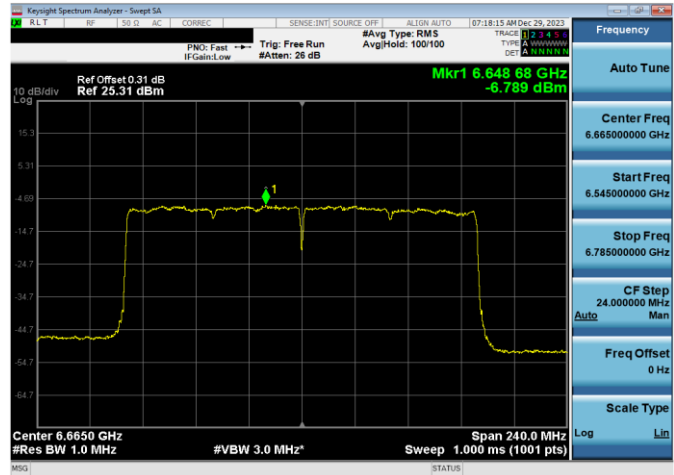


Plot 7-152. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11ax (UNII Band 7) - Ch. 149, MCS4)

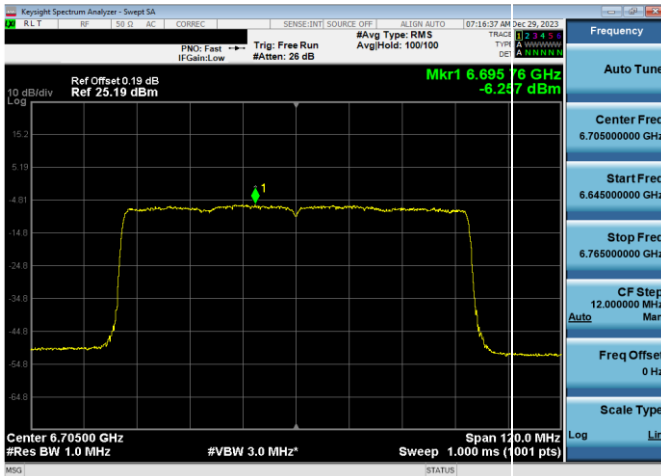
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 86 of 336



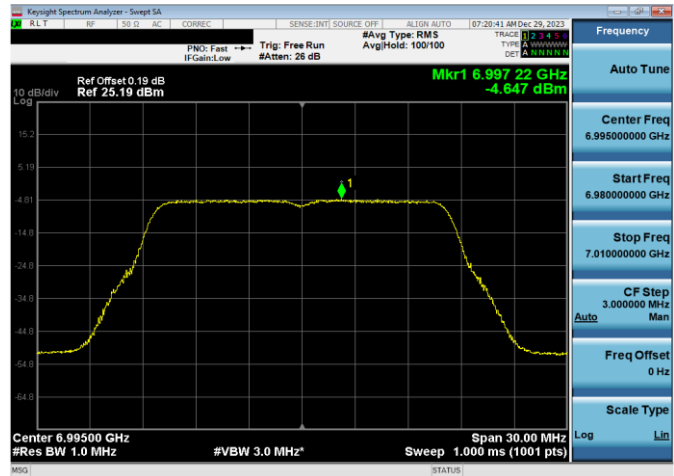
Plot 7-153. Power Spectral Density Plot Antenna WF8 Low Power Indoor (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS4)



Plot 7-155. Power Spectral Density Plot Antenna WF8 Low Power Indoor (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS4)



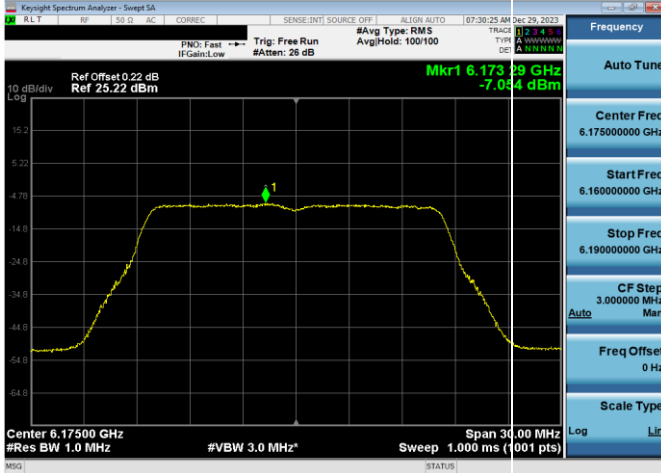
Plot 7-154. Power Spectral Density Plot Antenna WF8 Low Power Indoor (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS4)



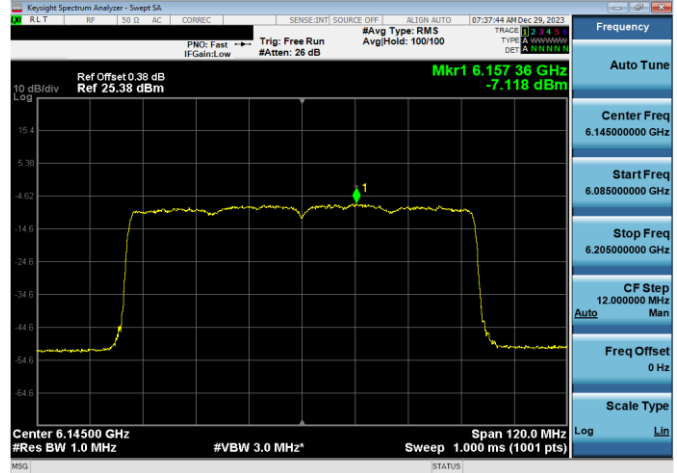
Plot 7-156. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11a (UNII Band 8) – Ch. 209, 24Mbps)

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 87 of 336

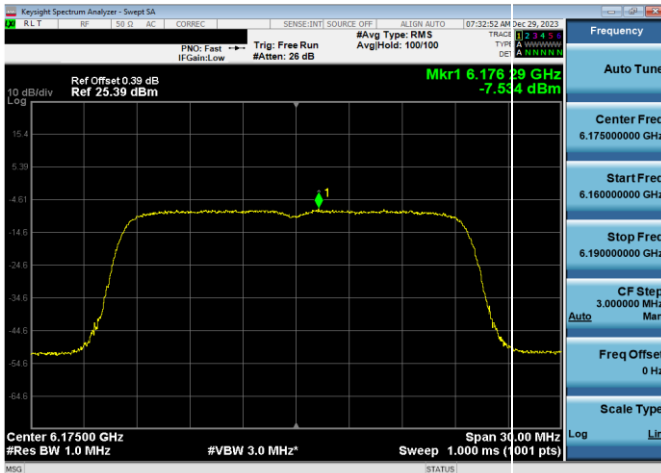
High Data Rate



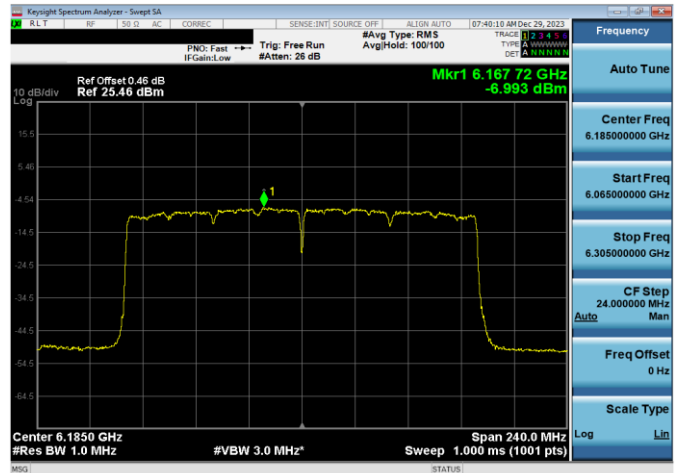
Plot 7-157. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11a (UNII Band 5) - Ch. 45, 54Mbps)



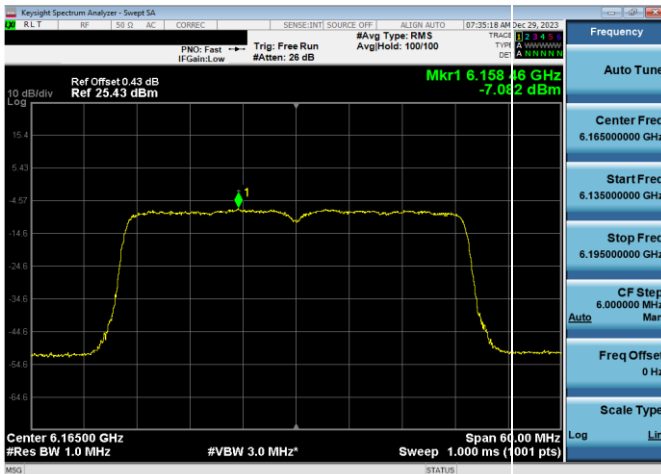
Plot 7-160. Power Spectral Density Plot Antenna WF8 Low Power Indoor (80MHz 802.11ax (UNII Band 5) - Ch. 39, MCS11)



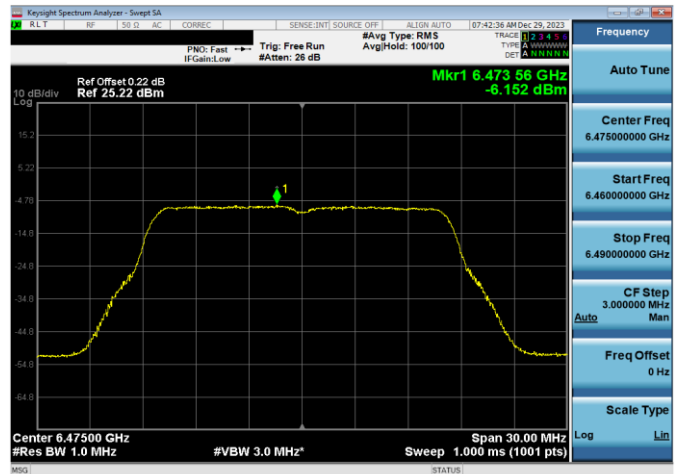
Plot 7-158. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11ax (UNII Band 5) - Ch. 45, MCS11)



Plot 7-161. Power Spectral Density Plot Antenna WF8 Low Power Indoor (160MHz 802.11ax (UNII Band 5) - Ch. 47, MCS11)

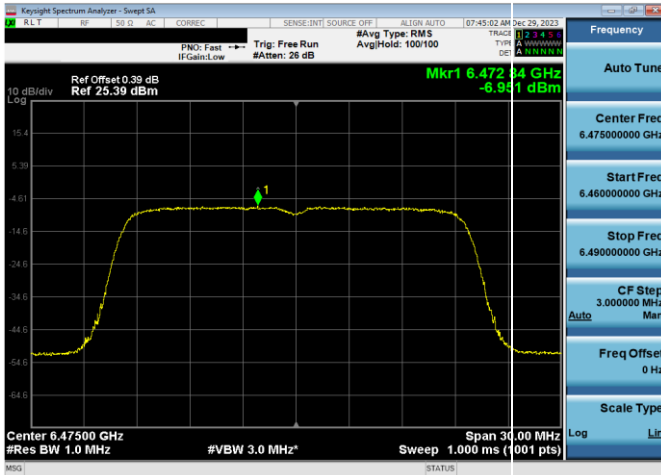


Plot 7-159. Power Spectral Density Plot Antenna WF8 Low Power Indoor (40MHz 802.11ax (UNII Band 5) - Ch. 43, MCS11)

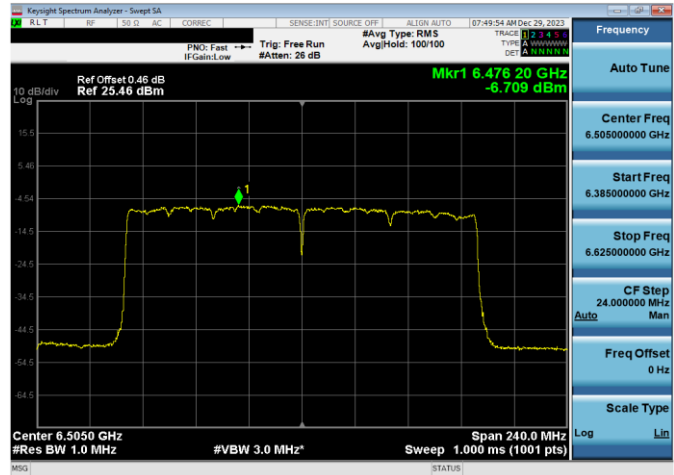


Plot 7-162. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11a (UNII Band 6) - Ch. 105, 54Mbps)

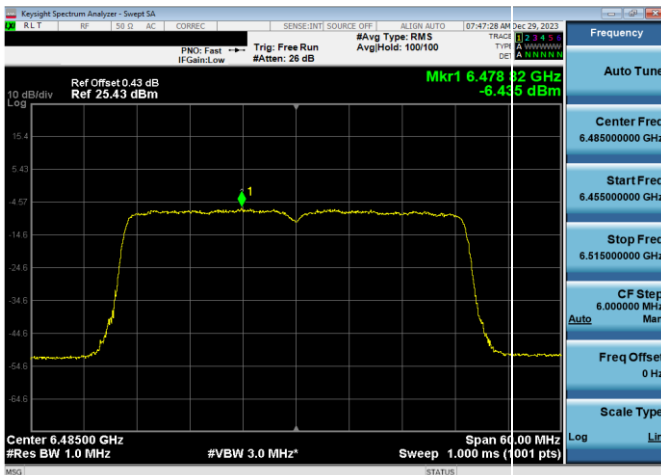
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 88 of 336



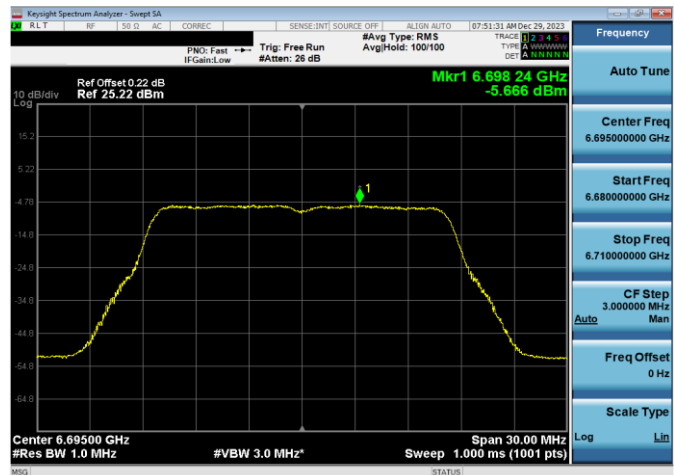
Plot 7-163. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS11)



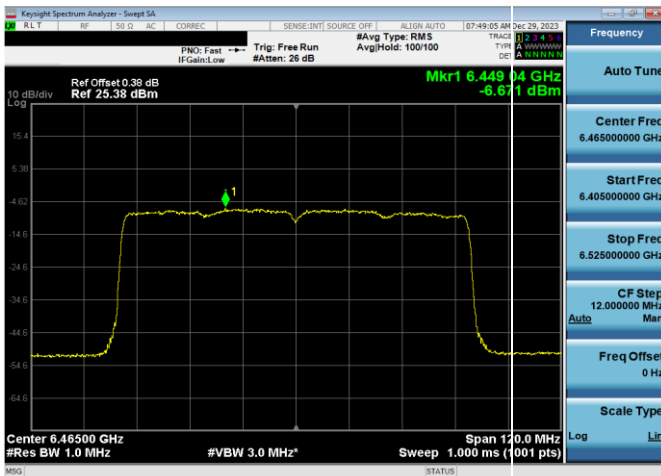
Plot 7-166. Power Spectral Density Plot Antenna WF8 Low Power Indoor (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS11)



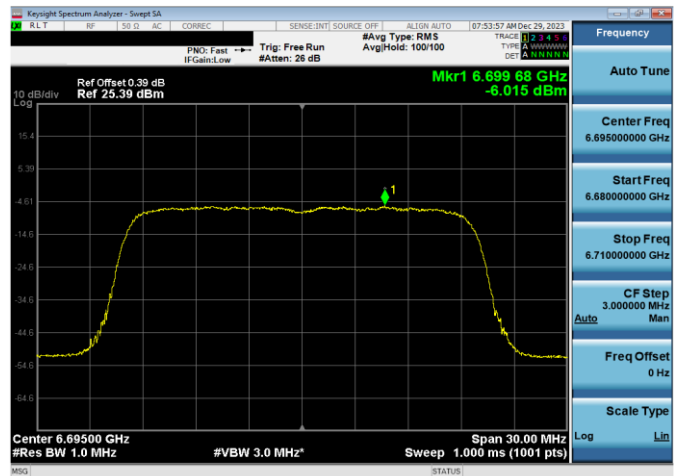
Plot 7-164. Power Spectral Density Plot Antenna WF8 Low Power Indoor (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS11)



Plot 7-167. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11a (UNII Band 7) – Ch. 149, 54Mbps)



Plot 7-165. Power Spectral Density Plot Antenna WF8 Low Power Indoor (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS11)

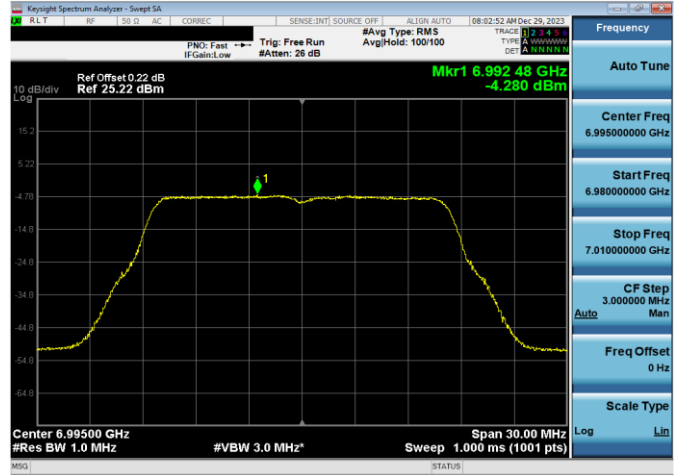


Plot 7-168. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS11)

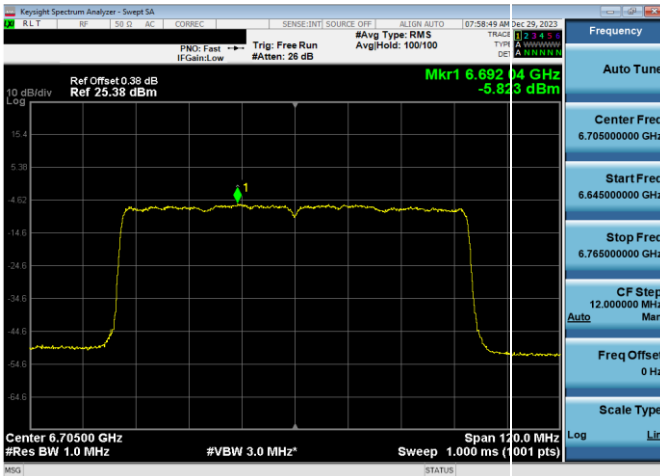
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 89 of 336



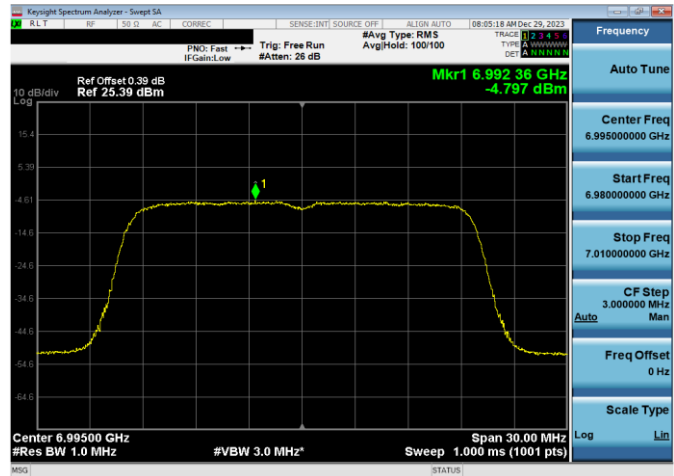
Plot 7-169. Power Spectral Density Plot Antenna WF8 Low Power Indoor (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS11)



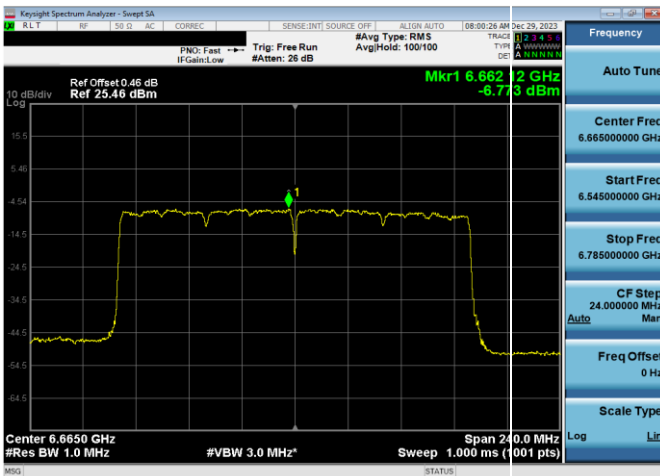
Plot 7-172. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11a (UNII Band 8) – Ch. 209, 54Mbps)



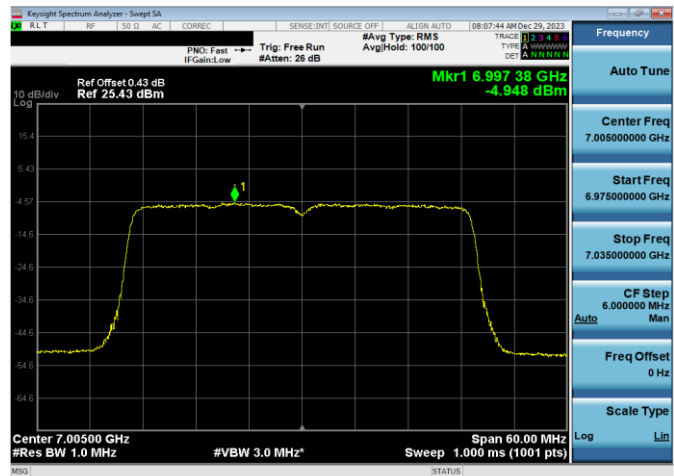
Plot 7-170. Power Spectral Density Plot Antenna WF8 Low Power Indoor (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS11)



Plot 7-173. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS11)

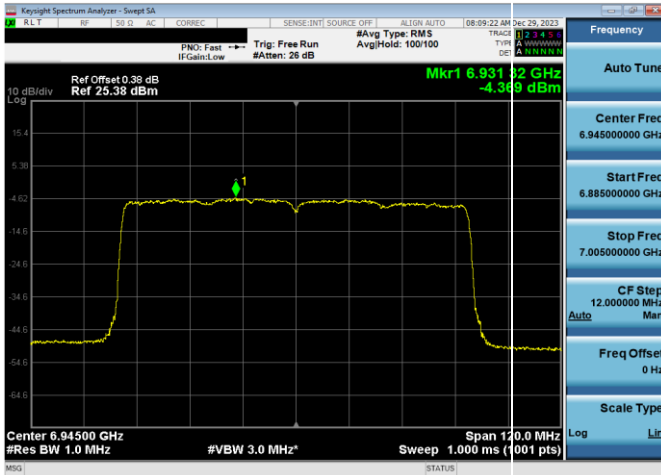


Plot 7-171. Power Spectral Density Plot Antenna WF8 Low Power Indoor (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS11)

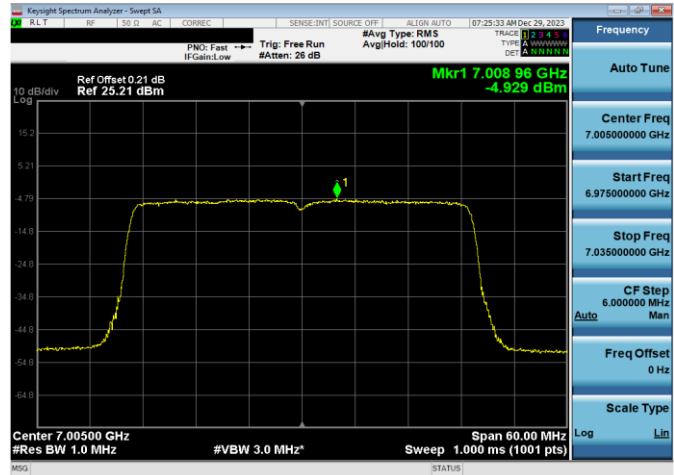


Plot 7-174. Power Spectral Density Plot Antenna WF8 Low Power Indoor (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS11)

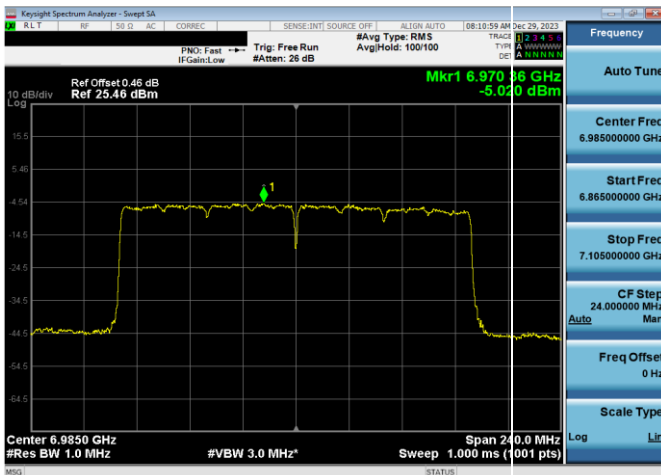
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 90 of 336



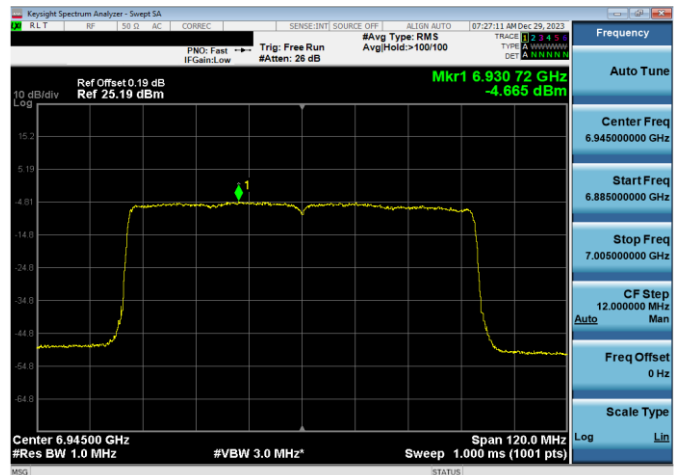
Plot 7-175. Power Spectral Density Plot Antenna WF8 Low Power Indoor (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS11)



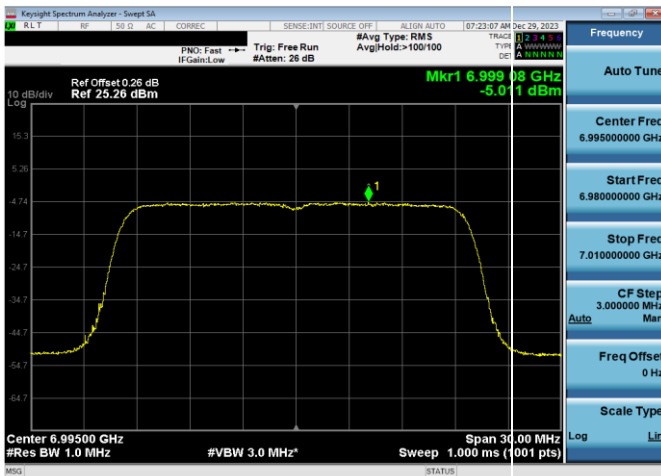
Plot 7-178. Power Spectral Density Plot Antenna WF8 Low Power Indoor (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS11)



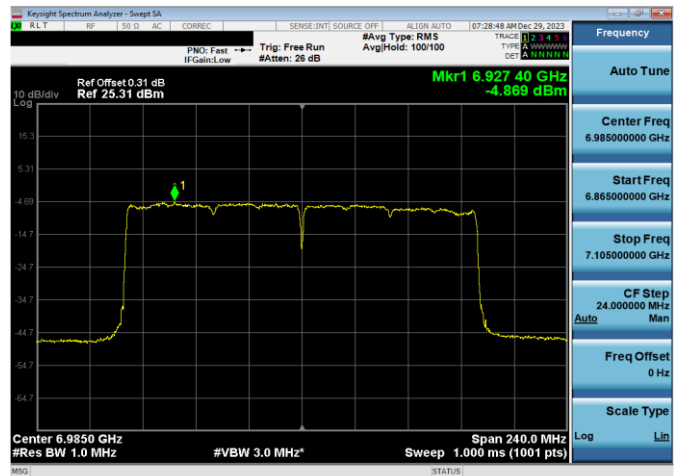
Plot 7-176. Power Spectral Density Plot Antenna WF8 Low Power Indoor (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS11)



Plot 7-179. Power Spectral Density Plot Antenna WF8 Low Power Indoor (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS11)



Plot 7-177. Power Spectral Density Plot Antenna WF8 Low Power Indoor (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS11)



Plot 7-180. Power Spectral Density Plot Antenna WF8 Low Power Indoor (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS11)

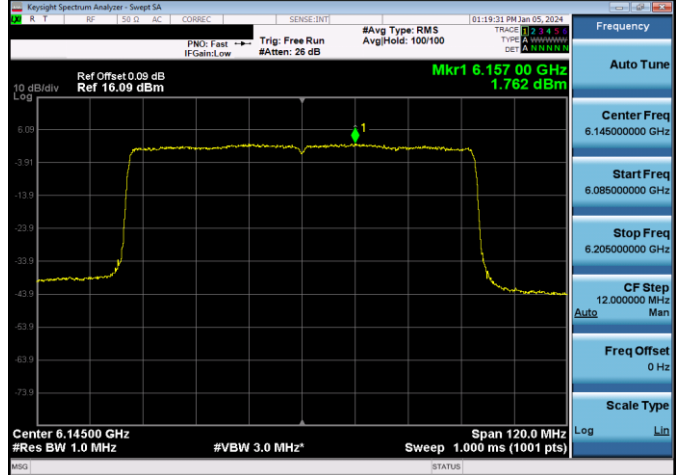
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 91 of 336



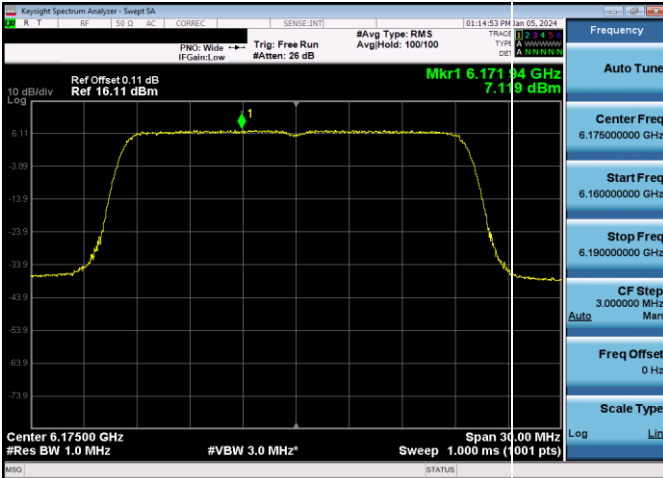
Low Data Rate



Plot 7-181. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11a (UNII Band 5) – Ch. 45, 12Mbps)



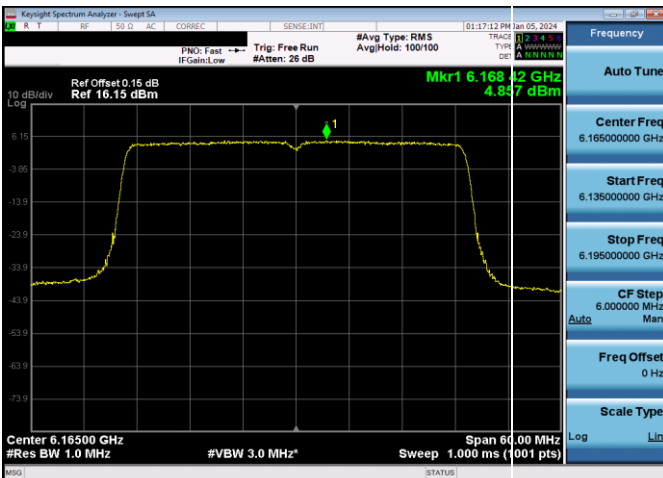
Plot 7-184. Power Spectral Density Plot Antenna WF8 Standard Power (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS2)



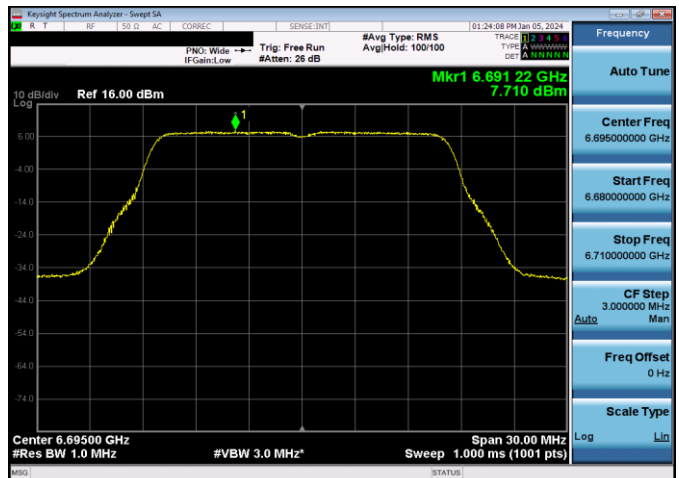
Plot 7-182. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS2)



Plot 7-185. Power Spectral Density Plot Antenna WF8 Standard Power (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS2)

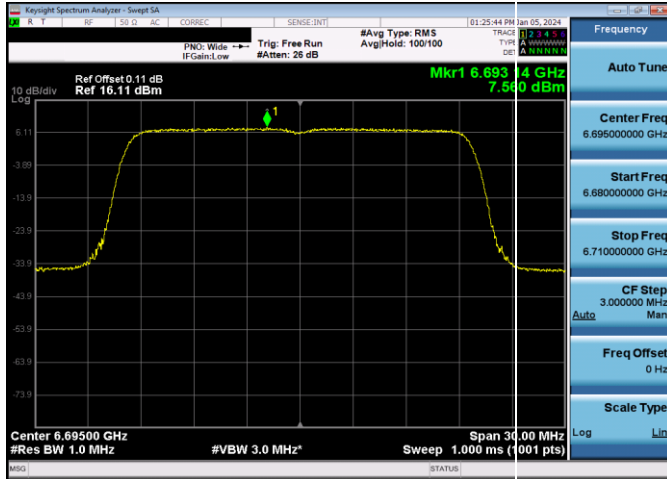


Plot 7-183. Power Spectral Density Plot Antenna WF8 Standard Power (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS2)

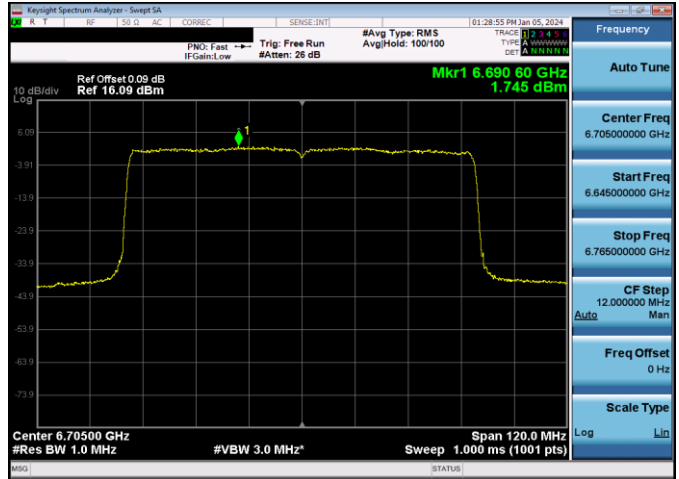


Plot 7-186. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11a (UNII Band 7) – Ch. 149, 12Mbps)

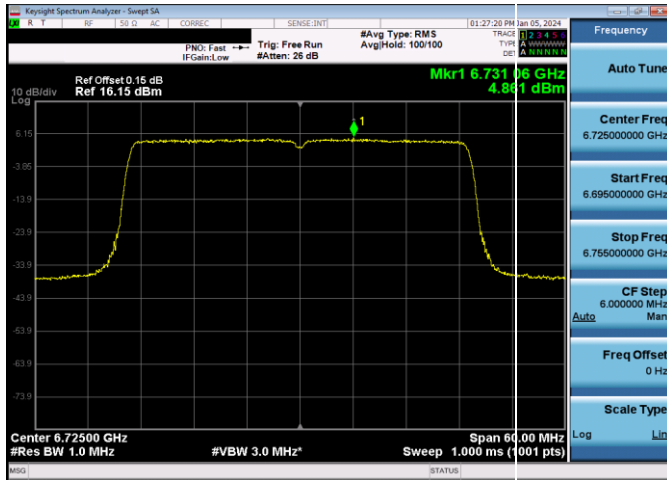
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 92 of 336



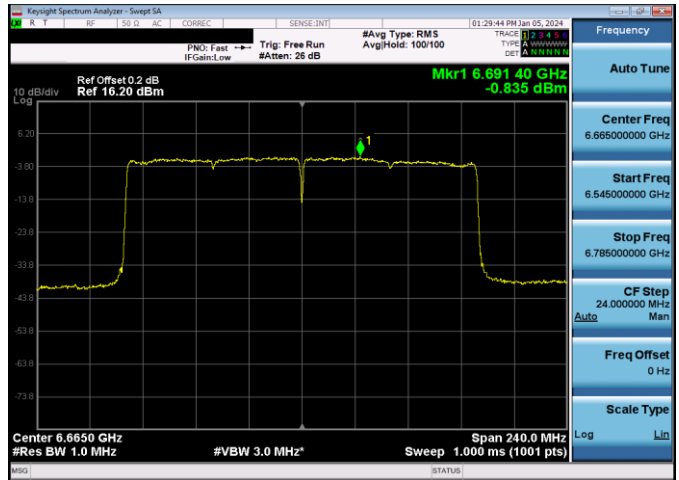
Plot 7-187. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS2)



Plot 7-189. Power Spectral Density Plot Antenna WF8 Standard Power (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS2)



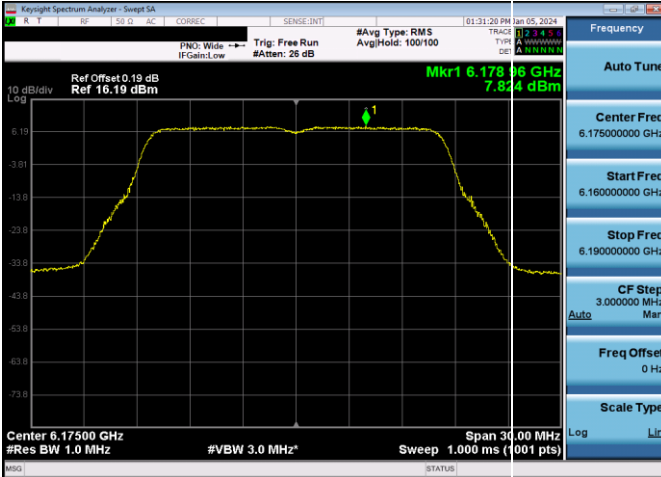
Plot 7-188. Power Spectral Density Plot Antenna WF8 Standard Power (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS2)



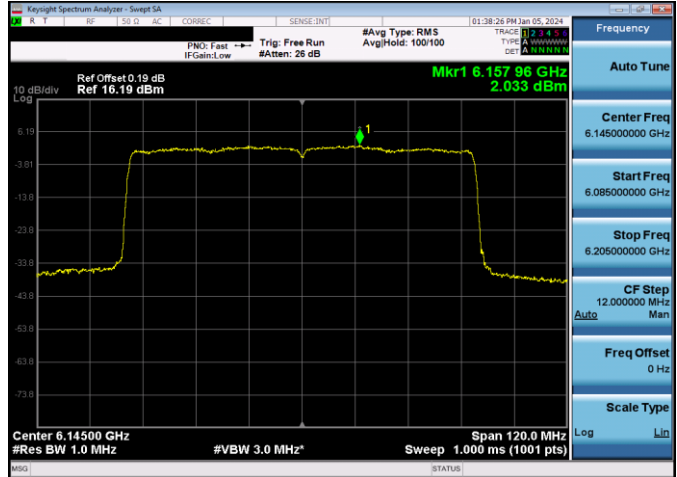
Plot 7-190. Power Spectral Density Plot Antenna WF8 Standard Power (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS2)

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 93 of 336

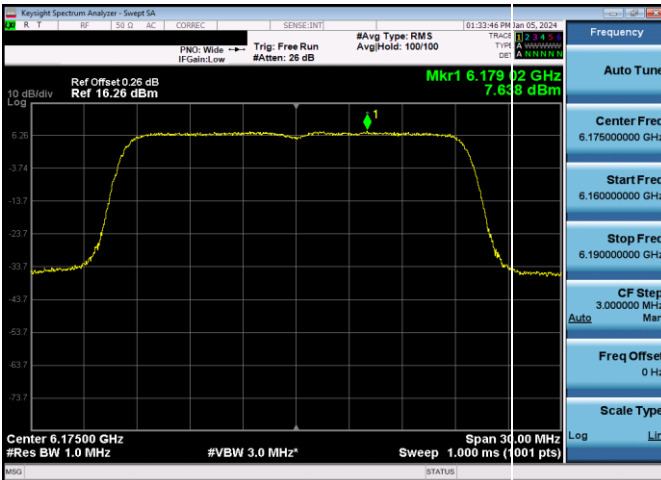
Mid Data Rate



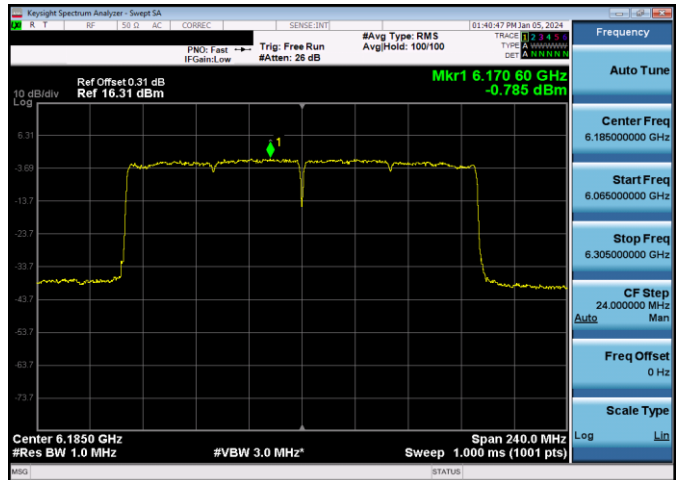
Plot 7-191. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11a (UNII Band 5) – Ch. 45, 24Mbps)



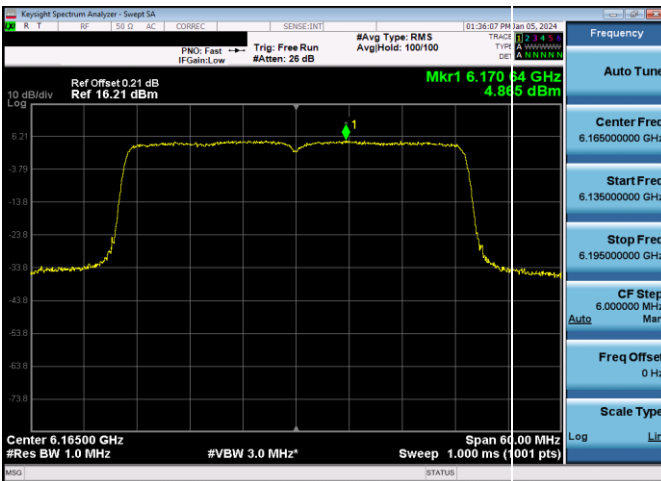
Plot 7-194. Power Spectral Density Plot Antenna WF8 Standard Power (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS4)



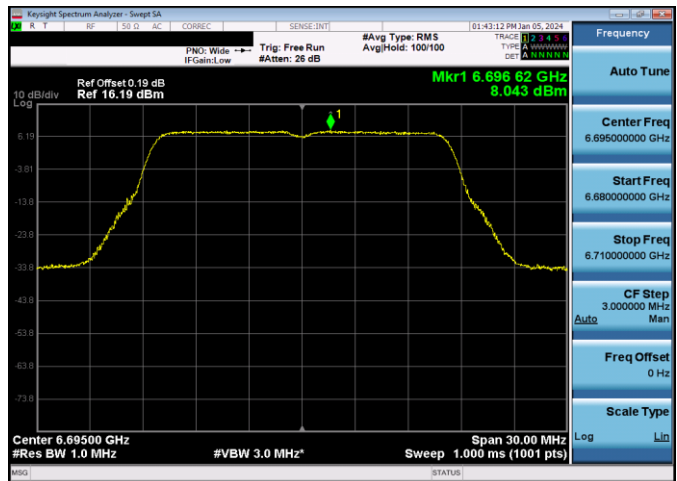
Plot 7-192. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS4)



Plot 7-195. Power Spectral Density Plot Antenna WF8 Standard Power (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS4)

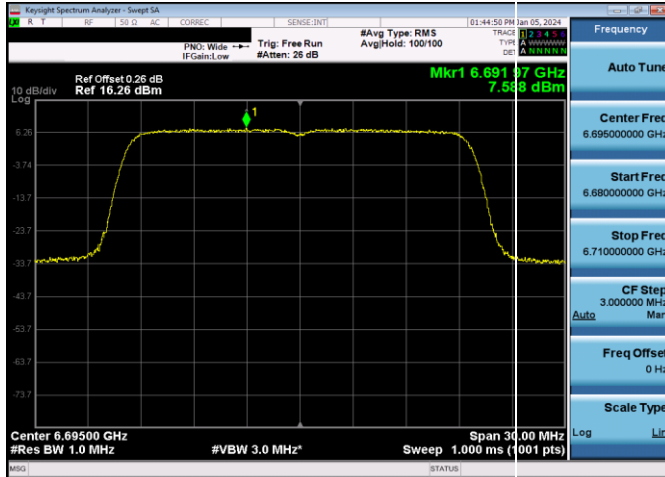


Plot 7-193. Power Spectral Density Plot Antenna WF8 Standard Power (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS4)

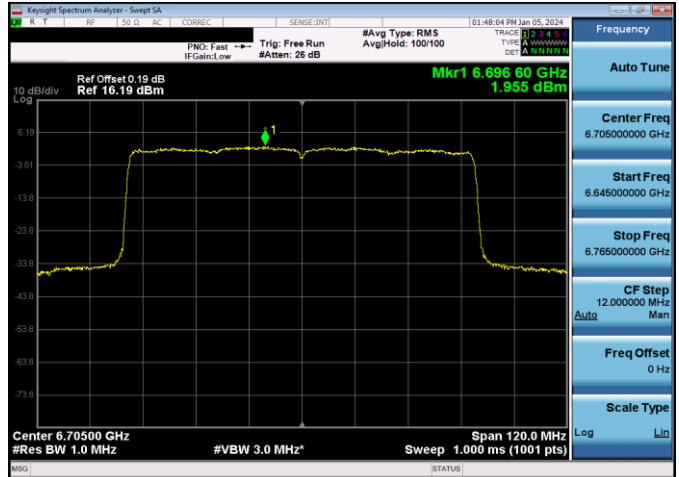


Plot 7-196. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11a (UNII Band 7) – Ch. 149, 24Mbps)

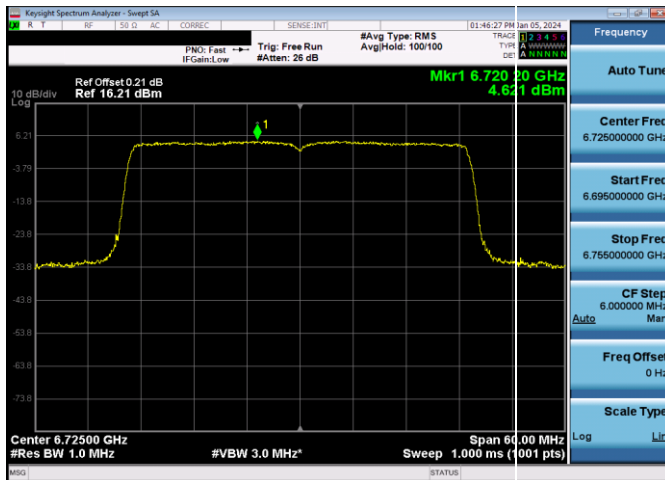
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 94 of 336



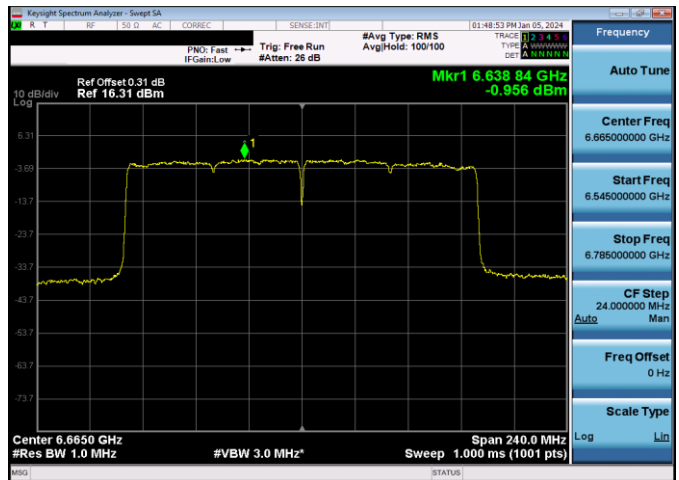
Plot 7-197. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS4)



Plot 7-199. Power Spectral Density Plot Antenna WF8 Standard Power (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS4)



Plot 7-198. Power Spectral Density Plot Antenna WF8 Standard Power (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS4)



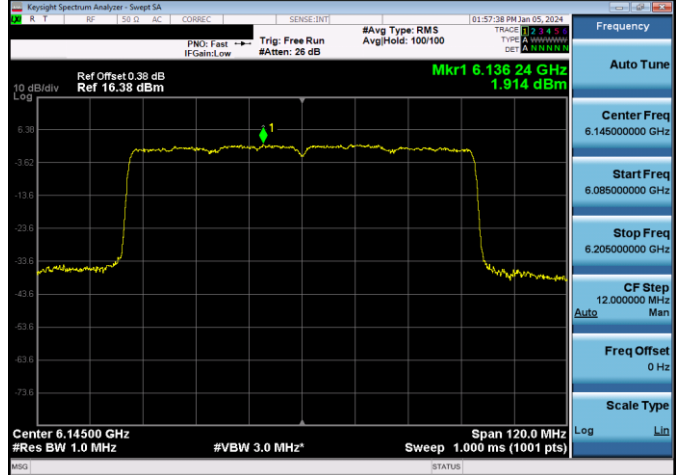
Plot 7-200. Power Spectral Density Plot Antenna WF8 Standard Power (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS4)

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 95 of 336

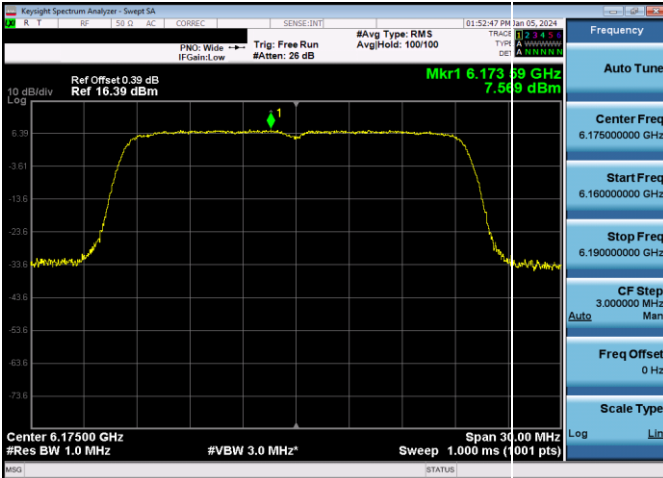
High Data Rate



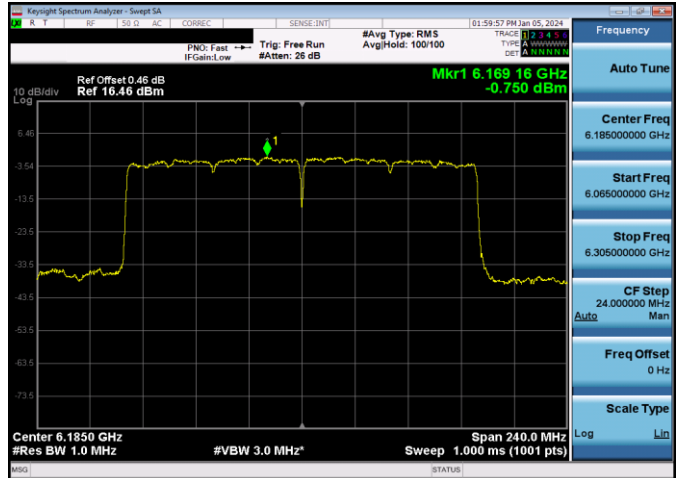
Plot 7-201. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11a (UNII Band 5) – Ch. 45, 54Mbps)



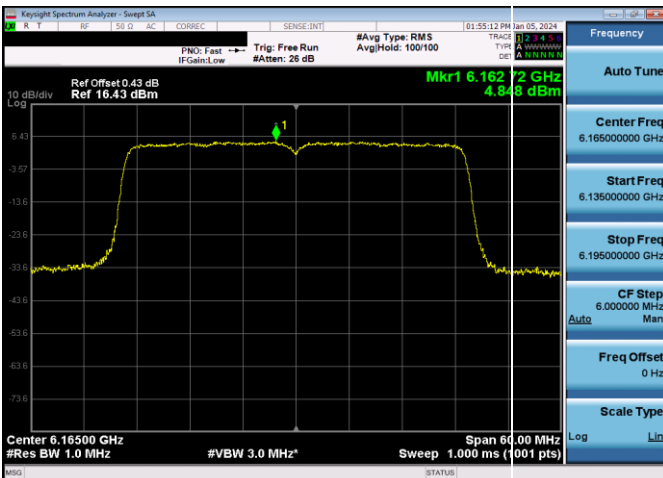
Plot 7-204. Power Spectral Density Plot Antenna WF8 Standard Power (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS11)



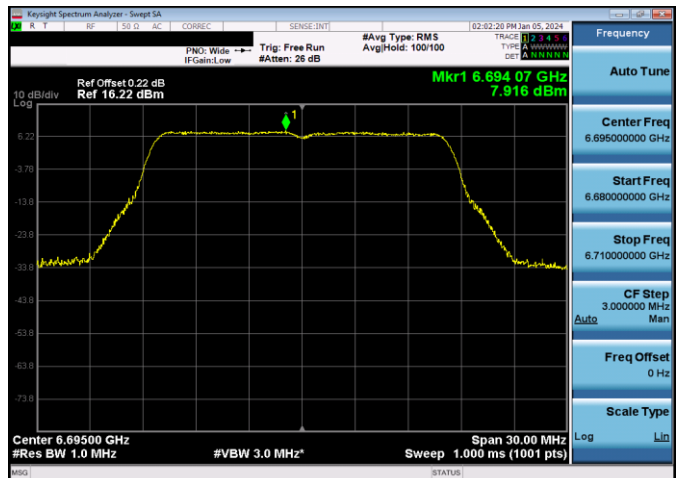
Plot 7-202. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS11)



Plot 7-205. Power Spectral Density Plot Antenna WF8 Standard Power (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS11)

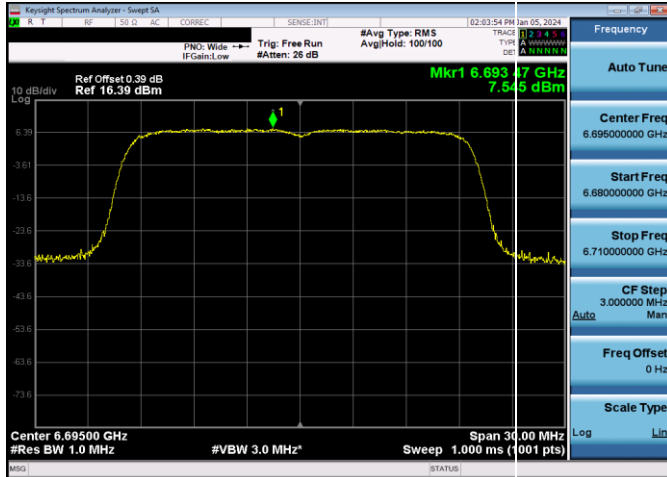


Plot 7-203. Power Spectral Density Plot Antenna WF8 Standard Power (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS11)

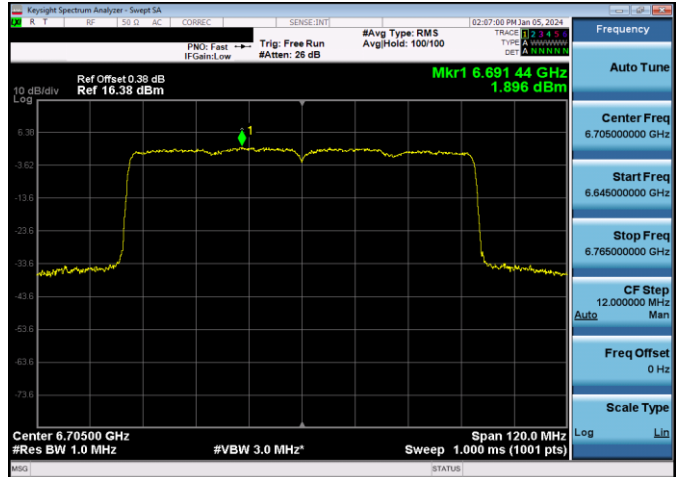


Plot 7-206. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11a (UNII Band 7) – Ch. 149, 54Mbps)

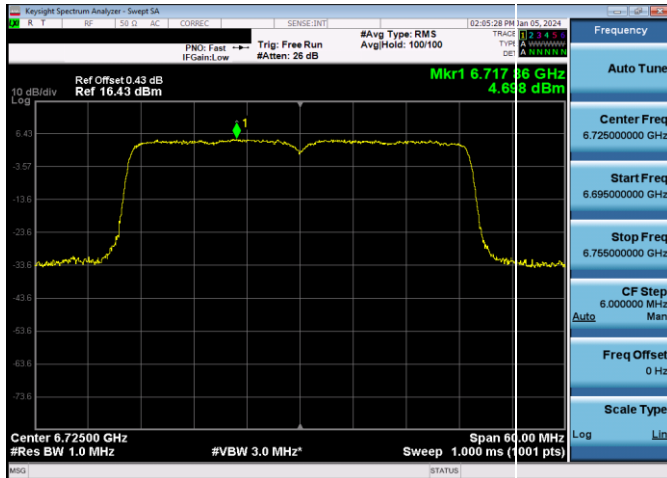
FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 96 of 336



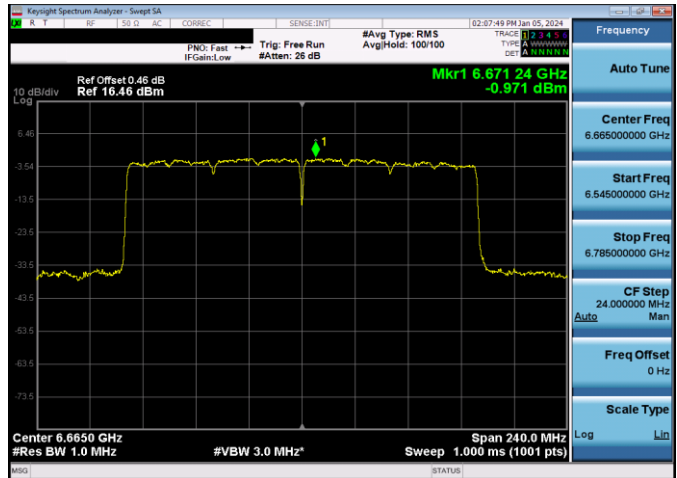
Plot 7-207. Power Spectral Density Plot Antenna WF8 Standard Power (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS11)



Plot 7-209. Power Spectral Density Plot Antenna WF8 Standard Power (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS11)



Plot 7-208. Power Spectral Density Plot Antenna WF8 Standard Power (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS11)




Plot 7-210. Power Spectral Density Plot Antenna WF8 Standard Power (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS11)

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 97 of 336

## 7.4.2 Antenna WF7a Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	12	-8.19	3.70	-4.49	-1	-3.49
	6175	45	a	12	-7.07	3.70	-3.37	-1	-2.37
	6415	93	a	12	-6.35	3.70	-2.65	-1	-1.65
	5955	1	ax (20MHz)	24/25.8 (MCS2)	-8.72	3.70	-5.02	-1	-4.02
	6175	45	ax (20MHz)	24/25.8 (MCS2)	-7.63	3.70	-3.93	-1	-2.93
	6415	93	ax (20MHz)	24/25.8 (MCS2)	-6.89	3.70	-3.19	-1	-2.19
	5695	3	ax (40MHz)	49/51.6 (MCS2)	-8.01	3.70	-4.31	-1	-3.31
	6165	43	ax (40MHz)	49/51.6 (MCS2)	-7.23	3.70	-3.53	-1	-2.53
	6405	91	ax (40MHz)	49/51.6 (MCS2)	-7.21	3.70	-3.51	-1	-2.51
	5985	7	ax (80MHz)	102/108.1 (MCS2)	-7.90	3.70	-4.20	-1	-3.20
	6145	39	ax (80MHz)	102/108.1 (MCS2)	-7.22	3.70	-3.52	-1	-2.52
	6385	87	ax (80MHz)	102/108.1 (MCS2)	-6.48	3.70	-2.78	-1	-1.78
	6025	15	ax (160MHz)	183.8/216.2 (MCS2)	-8.36	3.70	-4.66	-1	-3.66
	6185	47	ax (160MHz)	183.8/216.2 (MCS2)	-7.38	3.70	-3.68	-1	-2.68
6345	79	ax (160MHz)	183.8/216.2 (MCS2)	-7.18	3.70	-3.48	-1	-2.48	
Band 6	6435	97	a	12	-6.75	3.70	-3.05	-1	-2.05
	6475	105	a	12	-6.50	3.70	-2.80	-1	-1.80
	6515	113	a	12	-6.74	3.70	-3.04	-1	-2.04
	6345	97	ax (20MHz)	24/25.8 (MCS2)	-7.30	3.70	-3.60	-1	-2.60
	6475	105	ax (20MHz)	24/25.8 (MCS2)	-7.41	3.70	-3.71	-1	-2.71
	6515	113	ax (20MHz)	24/25.8 (MCS2)	-7.41	3.70	-3.71	-1	-2.71
	6445	99	ax (40MHz)	49/51.6 (MCS2)	-7.13	3.70	-3.43	-1	-2.43
	6485	107	ax (40MHz)	49/51.6 (MCS2)	-7.12	3.70	-3.42	-1	-2.42
	6525	115	ax (40MHz)	49/51.6 (MCS2)	-7.05	3.70	-3.35	-1	-2.35
	6465	103	ax (80MHz)	102/108.1 (MCS2)	-7.13	3.70	-3.43	-1	-2.43
Band 7	6505	111	ax (160MHz)	183.8/216.2 (MCS2)	-6.79	3.70	-3.09	-1	-2.09
	6535	117	a	12	-6.18	3.10	-3.08	-1	-2.08
	6695	149	a	12	-6.02	3.10	-2.92	-1	-1.92
	6875	185	a	12	-6.35	3.10	-3.25	-1	-2.25
	6535	117	ax (20MHz)	24/25.8 (MCS2)	-6.72	3.10	-3.62	-1	-2.62
	6695	149	ax (20MHz)	24/25.8 (MCS2)	-6.39	3.10	-3.29	-1	-2.29
	6875	185	ax (20MHz)	24/25.8 (MCS2)	-6.71	3.10	-3.61	-1	-2.61
	6565	123	ax (40MHz)	49/51.6 (MCS2)	-6.48	3.10	-3.38	-1	-2.38
	6725	155	ax (40MHz)	49/51.6 (MCS2)	-6.43	3.10	-3.33	-1	-2.33
	6885	179	ax (40MHz)	49/51.6 (MCS2)	-6.57	3.10	-3.47	-1	-2.47
	6545	119	ax (80MHz)	102/108.1 (MCS2)	-6.72	3.10	-3.62	-1	-2.62
	6705	151	ax (80MHz)	102/108.1 (MCS2)	-6.30	3.10	-3.20	-1	-2.20
	6865	183	ax (80MHz)	102/108.1 (MCS2)	-6.16	3.10	-3.06	-1	-2.06
	6665	143	ax (160MHz)	183.8/216.2 (MCS2)	-6.56	3.10	-3.46	-1	-2.46
Band 8	6825	175	ax (160MHz)	183.8/216.2 (MCS2)	-6.61	3.10	-3.51	-1	-2.51
	6895	189	a	12	-4.23	2.60	-1.63	-1	-0.63
	6995	209	a	12	-4.12	2.60	-1.52	-1	-0.52
	7115	233	a	12	-4.15	2.60	-1.55	-1	-0.55
	6895	189	ax (20MHz)	24/25.8 (MCS2)	-4.85	2.60	-2.25	-1	-1.25
	6995	209	ax (20MHz)	24/25.8 (MCS2)	-4.68	2.60	-2.08	-1	-1.08
	7115	233	ax (20MHz)	24/25.8 (MCS2)	-4.47	2.60	-1.87	-1	-0.87
	6925	187	ax (40MHz)	49/51.6 (MCS2)	-6.85	2.60	-4.25	-1	-3.25
	7005	211	ax (40MHz)	49/51.6 (MCS2)	-4.91	2.60	-2.31	-1	-1.31
	7085	227	ax (40MHz)	49/51.6 (MCS2)	-4.70	2.60	-2.10	-1	-1.10
	6945	199	ax (80MHz)	102/108.1 (MCS2)	-4.54	2.60	-1.94	-1	-0.94
	7025	215	ax (80MHz)	102/108.1 (MCS2)	-4.80	2.60	-2.20	-1	-1.20
	6985	207	ax (160MHz)	183.8/216.2 (MCS2)	-5.28	2.60	-2.68	-1	-1.68

Table 7-86. Power Spectral Density Measurements Antenna WF7a Low Power Indoor (Low Data Rate)

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 98 of 336

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	24	-8.05	3.70	-4.35	-1	-3.35
	6175	45	a	24	-6.95	3.70	-3.25	-1	-2.25
	6415	93	a	24	-6.46	3.70	-2.76	-1	-1.76
	5955	1	ax (20MHz)	49/51.6 (MCS4)	-8.76	3.70	-5.06	-1	-4.06
	6175	45	ax (20MHz)	49/51.6 (MCS4)	-7.42	3.70	-3.72	-1	-2.72
	6415	93	ax (20MHz)	49/51.6 (MCS4)	-7.13	3.70	-3.43	-1	-2.43
	5695	3	ax (40MHz)	98/103.2 (MCS4)	-7.82	3.70	-4.12	-1	-3.12
	6165	43	ax (40MHz)	98/103.2 (MCS4)	-7.46	3.70	-3.76	-1	-2.76
	6405	91	ax (40MHz)	98/103.2 (MCS4)	-6.79	3.70	-3.09	-1	-2.09
	5985	7	ax (80MHz)	204/216.2 (MCS4)	-7.65	3.70	-3.95	-1	-2.95
	6145	39	ax (80MHz)	204/216.2 (MCS4)	-7.20	3.70	-3.50	-1	-2.50
	6385	87	ax (80MHz)	204/216.2 (MCS4)	-6.26	3.70	-2.56	-1	-1.56
	6025	15	ax (160MHz)	367.5/432.4 (MCS4)	-8.18	3.70	-4.48	-1	-3.48
6185	47	ax (160MHz)	367.5/432.4 (MCS4)	-7.44	3.70	-3.74	-1	-2.74	
6345	79	ax (160MHz)	367.5/432.4 (MCS4)	-6.98	3.70	-3.28	-1	-2.28	
Band 6	6435	97	a	24	-6.87	3.70	-3.17	-1	-2.17
	6475	105	a	24	-6.89	3.70	-3.19	-1	-2.19
	6515	113	a	24	-6.97	3.70	-3.27	-1	-2.27
	6345	97	ax (20MHz)	49/51.6 (MCS4)	-7.38	3.70	-3.68	-1	-2.68
	6475	105	ax (20MHz)	49/51.6 (MCS4)	-7.11	3.70	-3.41	-1	-2.41
	6515	113	ax (20MHz)	49/51.6 (MCS4)	-7.57	3.70	-3.87	-1	-2.87
	6445	99	ax (40MHz)	98/103.2 (MCS4)	-6.88	3.70	-3.18	-1	-2.18
	6485	107	ax (40MHz)	98/103.2 (MCS4)	-6.99	3.70	-3.29	-1	-2.29
	6525	115	ax (40MHz)	98/103.2 (MCS4)	-7.05	3.70	-3.35	-1	-2.35
	6465	103	ax (80MHz)	204/216.2 (MCS4)	-6.65	3.70	-2.95	-1	-1.95
	6505	111	ax (160MHz)	367.5/432.4 (MCS4)	-6.83	3.70	-3.13	-1	-2.13
Band 7	6535	117	a	24	-6.33	3.10	-3.23	-1	-2.23
	6695	149	a	24	-5.93	3.10	-2.83	-1	-1.83
	6875	185	a	24	-6.03	3.10	-2.93	-1	-1.93
	6535	117	ax (20MHz)	49/51.6 (MCS4)	-6.90	3.10	-3.80	-1	-2.80
	6695	149	ax (20MHz)	49/51.6 (MCS4)	-6.27	3.10	-3.17	-1	-2.17
	6875	185	ax (20MHz)	49/51.6 (MCS4)	-6.88	3.10	-3.78	-1	-2.78
	6565	123	ax (40MHz)	98/103.2 (MCS4)	-6.46	3.10	-3.36	-1	-2.36
	6725	155	ax (40MHz)	98/103.2 (MCS4)	-6.34	3.10	-3.24	-1	-2.24
	6885	179	ax (40MHz)	98/103.2 (MCS4)	-6.26	3.10	-3.16	-1	-2.16
	6545	119	ax (80MHz)	204/216.2 (MCS4)	-6.83	3.10	-3.73	-1	-2.73
	6705	151	ax (80MHz)	204/216.2 (MCS4)	-6.15	3.10	-3.05	-1	-2.05
	6865	183	ax (80MHz)	204/216.2 (MCS4)	-6.11	3.10	-3.01	-1	-2.01
	6665	143	ax (160MHz)	367.5/432.4 (MCS4)	-6.64	3.10	-3.54	-1	-2.54
6825	175	ax (160MHz)	367.5/432.4 (MCS4)	-6.15	3.10	-3.05	-1	-2.05	
Band 8	6895	189	a	24	-4.26	2.60	-1.66	-1	-0.66
	6995	209	a	24	-4.33	2.60	-1.73	-1	-0.73
	7115	233	a	24	-4.22	2.60	-1.62	-1	-0.62
	6895	189	ax (20MHz)	49/51.6 (MCS4)	-4.78	2.60	-2.18	-1	-1.18
	6995	209	ax (20MHz)	49/51.6 (MCS4)	-4.71	2.60	-2.11	-1	-1.11
	7115	233	ax (20MHz)	49/51.6 (MCS4)	-4.28	2.60	-1.68	-1	-0.68
	6925	187	ax (40MHz)	98/103.2 (MCS4)	-6.59	2.60	-3.99	-1	-2.99
	7005	211	ax (40MHz)	98/103.2 (MCS4)	-5.25	2.60	-2.65	-1	-1.65
	7085	227	ax (40MHz)	98/103.2 (MCS4)	-4.61	2.60	-2.01	-1	-1.01
	6945	199	ax (80MHz)	204/216.2 (MCS4)	-5.02	2.60	-2.42	-1	-1.42
	7025	215	ax (80MHz)	204/216.2 (MCS4)	-4.74	2.60	-2.14	-1	-1.14
6985	207	ax (160MHz)	367.5/432.4 (MCS4)	-5.04	2.60	-2.44	-1	-1.44	


**Table 7-87. Power Spectral Density Measurements Antenna WF7a Low Power Indoor (Mid Data Rate)**

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 99 of 336



	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	54	-7.90	3.70	-4.20	-1	-3.20
	6175	45	a	54	-7.04	3.70	-3.34	-1	-2.34
	6415	93	a	54	-6.06	3.70	-2.36	-1	-1.36
	5955	1	ax (20MHz)	135/143.4 (MCS11)	-8.21	3.70	-4.51	-1	-3.51
	6175	45	ax (20MHz)	135/143.4 (MCS11)	-7.68	3.70	-3.98	-1	-2.98
	6415	93	ax (20MHz)	135/143.4 (MCS11)	-6.82	3.70	-3.12	-1	-2.12
	5695	3	ax (40MHz)	271/286.8 (MCS11)	-7.56	3.70	-3.86	-1	-2.86
	6165	43	ax (40MHz)	271/286.8 (MCS11)	-7.24	3.70	-3.54	-1	-2.54
	6405	91	ax (40MHz)	271/286.8 (MCS11)	-6.83	3.70	-3.13	-1	-2.13
	5985	7	ax (80MHz)	567/600.5 (MCS11)	-7.97	3.70	-4.27	-1	-3.27
	6145	39	ax (80MHz)	567/600.5 (MCS11)	-7.04	3.70	-3.34	-1	-2.34
	6385	87	ax (80MHz)	567/600.5 (MCS11)	-6.33	3.70	-2.63	-1	-1.63
	6025	15	ax (160MHz)	1020.8/1201 (MCS11)	-8.16	3.70	-4.46	-1	-3.46
6185	47	ax (160MHz)	1020.8/1201 (MCS11)	-7.39	3.70	-3.69	-1	-2.69	
6345	79	ax (160MHz)	1020.8/1201 (MCS11)	-6.82	3.70	-3.12	-1	-2.12	
Band 6	6435	97	a	54	-6.81	3.70	-3.11	-1	-2.11
	6475	105	a	54	-6.39	3.70	-2.69	-1	-1.69
	6515	113	a	54	-6.12	3.70	-2.42	-1	-1.42
	6345	97	ax (20MHz)	135/143.4 (MCS11)	-7.31	3.70	-3.61	-1	-2.61
	6475	105	ax (20MHz)	135/143.4 (MCS11)	-7.19	3.70	-3.49	-1	-2.49
	6515	113	ax (20MHz)	135/143.4 (MCS11)	-7.35	3.70	-3.65	-1	-2.65
	6445	99	ax (40MHz)	271/286.8 (MCS11)	-7.04	3.70	-3.34	-1	-2.34
	6485	107	ax (40MHz)	271/286.8 (MCS11)	-6.74	3.70	-3.04	-1	-2.04
	6525	115	ax (40MHz)	271/286.8 (MCS11)	-6.84	3.70	-3.14	-1	-2.14
	6465	103	ax (80MHz)	567/600.5 (MCS11)	-6.83	3.70	-3.13	-1	-2.13
	6505	111	ax (160MHz)	1020.8/1201 (MCS11)	-6.81	3.70	-3.11	-1	-2.11
Band 7	6535	117	a	54	-5.85	3.10	-2.75	-1	-1.75
	6695	149	a	54	-5.61	3.10	-2.51	-1	-1.51
	6875	185	a	54	-6.02	3.10	-2.92	-1	-1.92
	6535	117	ax (20MHz)	135/143.4 (MCS11)	-6.57	3.10	-3.47	-1	-2.47
	6695	149	ax (20MHz)	135/143.4 (MCS11)	-6.32	3.10	-3.22	-1	-2.22
	6875	185	ax (20MHz)	135/143.4 (MCS11)	-6.18	3.10	-3.08	-1	-2.08
	6565	123	ax (40MHz)	271/286.8 (MCS11)	-6.37	3.10	-3.27	-1	-2.27
	6725	155	ax (40MHz)	271/286.8 (MCS11)	-6.16	3.10	-3.06	-1	-2.06
	6885	179	ax (40MHz)	271/286.8 (MCS11)	-6.41	3.10	-3.31	-1	-2.31
	6545	119	ax (80MHz)	567/600.5 (MCS11)	-6.76	3.10	-3.66	-1	-2.66
	6705	151	ax (80MHz)	567/600.5 (MCS11)	-6.21	3.10	-3.11	-1	-2.11
	6865	183	ax (80MHz)	567/600.5 (MCS11)	-6.20	3.10	-3.10	-1	-2.10
	6665	143	ax (160MHz)	1020.8/1201 (MCS11)	-6.49	3.10	-3.39	-1	-2.39
6825	175	ax (160MHz)	1020.8/1201 (MCS11)	-6.42	3.10	-3.32	-1	-2.32	
Band 8	6895	189	a	54	-4.39	2.60	-1.79	-1	-0.79
	6995	209	a	54	-4.13	2.60	-1.53	-1	-0.53
	7115	233	a	54	-4.21	2.60	-1.61	-1	-0.61
	6895	189	ax (20MHz)	135/143.4 (MCS11)	-4.51	2.60	-1.91	-1	-0.91
	6995	209	ax (20MHz)	135/143.4 (MCS11)	-4.73	2.60	-2.13	-1	-1.13
	7115	233	ax (20MHz)	135/143.4 (MCS11)	-4.15	2.60	-1.55	-1	-0.55
	6925	187	ax (40MHz)	271/286.8 (MCS11)	-6.74	2.60	-4.14	-1	-3.14
	7005	211	ax (40MHz)	271/286.8 (MCS11)	-4.73	2.60	-2.13	-1	-1.13
	7085	227	ax (40MHz)	271/286.8 (MCS11)	-4.69	2.60	-2.09	-1	-1.09
	6945	199	ax (80MHz)	567/600.5 (MCS11)	-4.76	2.60	-2.16	-1	-1.16
	7025	215	ax (80MHz)	567/600.5 (MCS11)	-4.73	2.60	-2.13	-1	-1.13
6985	207	ax (160MHz)	1020.8/1201 (MCS11)	-6.10	2.60	-3.50	-1	-2.50	

**Table 7-88. Power Spectral Density Measurements Antenna WF7a Low Power Indoor (High Data Rate)**

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 100 of 336

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	12	7.56	3.70	11.26	17	-5.74
	6175	45	a	12	7.81	3.70	11.51	17	-5.49
	6415	93	a	12	7.47	3.70	11.17	17	-5.83
	5955	1	ax (20MHz)	24/25.8 (MCS2)	7.07	3.70	10.77	17	-6.23
	6175	45	ax (20MHz)	24/25.8 (MCS2)	7.55	3.70	11.25	17	-5.75
	6415	93	ax (20MHz)	24/25.8 (MCS2)	7.07	3.70	10.77	17	-6.23
	5965	3	ax (40MHz)	49/51.6 (MCS2)	4.52	3.70	8.22	17	-8.78
	6165	43	ax (40MHz)	49/51.6 (MCS2)	5.04	3.70	8.74	17	-8.26
	6405	91	ax (40MHz)	49/51.6 (MCS2)	4.55	3.70	8.25	17	-8.75
	5985	7	ax (80MHz)	102/108.1 (MCS2)	2.15	3.70	5.85	17	-11.15
	6145	39	ax (80MHz)	102/108.1 (MCS2)	1.81	3.70	5.51	17	-11.49
	6385	87	ax (80MHz)	102/108.1 (MCS2)	1.98	3.70	5.68	17	-11.32
	6025	15	ax (160MHz)	183.8/216.2 (MCS2)	-0.18	3.70	3.52	17	-13.48
6185	47	ax (160MHz)	183.8/216.2 (MCS2)	-0.75	3.70	2.95	17	-14.05	
6345	79	ax (160MHz)	183.8/216.2 (MCS2)	-1.14	3.70	2.56	17	-14.44	
Band 7	6535	117	a	12	7.10	3.10	10.20	17	-6.80
	6695	149	a	12	7.44	3.10	10.54	17	-6.46
	6535	117	ax (20MHz)	24/25.8 (MCS2)	6.85	3.10	9.95	17	-7.05
	6695	149	ax (20MHz)	24/25.8 (MCS2)	7.61	3.10	10.71	17	-6.29
	6565	123	ax (40MHz)	49/51.6 (MCS2)	4.01	3.10	7.11	17	-9.89
	6725	155	ax (40MHz)	49/51.6 (MCS2)	4.90	3.10	8.00	17	-9.00
	6845	179	ax (40MHz)	49/51.6 (MCS2)	5.32	3.10	8.42	17	-8.58
	6705	151	ax (80MHz)	102/108.1 (MCS2)	2.01	3.10	5.11	17	-11.90
	6665	143	ax (160MHz)	183.8/216.2 (MCS2)	-1.04	3.10	2.06	17	-14.94

**Table 7-89. Power Spectral Density Measurements Antenna WF7a Standard Power (Low Data Rate)**

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	24	7.90	3.70	11.60	17	-5.41
	6175	45	a	24	8.06	3.70	11.76	17	-5.24
	6415	93	a	24	7.67	3.70	11.37	17	-5.63
	5955	1	ax (20MHz)	49/51.6 (MCS4)	7.47	3.70	11.17	17	-5.83
	6175	45	ax (20MHz)	49/51.6 (MCS4)	7.74	3.70	11.44	17	-5.56
	6415	93	ax (20MHz)	49/51.6 (MCS4)	7.26	3.70	10.96	17	-6.04
	5965	3	ax (40MHz)	98/103.2 (MCS4)	4.80	3.70	8.50	17	-8.50
	6165	43	ax (40MHz)	98/103.2 (MCS4)	5.36	3.70	9.06	17	-7.95
	6405	91	ax (40MHz)	98/103.2 (MCS4)	4.51	3.70	8.21	17	-8.79
	5985	7	ax (80MHz)	204/216.2 (MCS4)	2.38	3.70	6.08	17	-10.92
	6145	39	ax (80MHz)	204/216.2 (MCS4)	2.14	3.70	5.84	17	-11.17
	6385	87	ax (80MHz)	204/216.2 (MCS4)	2.33	3.70	6.03	17	-10.97
	6025	15	ax (160MHz)	367.5/432.4 (MCS4)	-0.18	3.70	3.52	17	-13.48
6185	47	ax (160MHz)	367.5/432.4 (MCS4)	-0.53	3.70	3.17	17	-13.83	
6345	79	ax (160MHz)	367.5/432.4 (MCS4)	-0.92	3.70	2.78	17	-14.22	
Band 7	6535	117	a	367.5/432.4 (MCS4)	7.33	3.10	10.43	17	-6.57
	6695	149	a	367.5/432.4 (MCS4)	7.64	3.10	10.74	17	-6.26
	6535	117	ax (20MHz)	49/51.6 (MCS4)	7.06	3.10	10.16	17	-6.84
	6695	149	ax (20MHz)	49/51.6 (MCS4)	7.45	3.10	10.55	17	-6.45
	6565	123	ax (40MHz)	98/103.2 (MCS4)	4.12	3.10	7.22	17	-9.79
	6725	155	ax (40MHz)	98/103.2 (MCS4)	5.28	3.10	8.38	17	-8.62
	6845	179	ax (40MHz)	98/103.2 (MCS4)	5.48	3.10	8.58	17	-8.42
	6705	151	ax (80MHz)	204/216.2 (MCS4)	2.40	3.10	5.50	17	-11.50
	6665	143	ax (160MHz)	367.5/432.4 (MCS4)	-0.59	3.10	2.51	17	-14.49

**Table 7-90. Power Spectral Density Measurements Antenna WF7a Standard Power (Mid Data Rate)**

FCC ID: BCGA2902 IC: 579C-A2902		MEASUREMENT REPORT (Certification)	Approved by: Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 101 of 336

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	54	7.84	3.70	11.54	17	-5.46
	6175	45	a	54	8.19	3.70	11.89	17	-5.11
	6415	93	a	54	7.59	3.70	11.29	17	-5.71
	5955	1	ax (20MHz)	135/143.4 (MCS11)	7.30	3.70	11.00	17	-6.00
	6175	45	ax (20MHz)	135/143.4 (MCS11)	7.71	3.70	11.41	17	-5.59
	6415	93	ax (20MHz)	135/143.4 (MCS11)	7.30	3.70	11.00	17	-6.00
	5965	3	ax (40MHz)	271/286.8 (MCS11)	4.57	3.70	8.27	17	-8.73
	6165	43	ax (40MHz)	271/286.8 (MCS11)	5.26	3.70	8.96	17	-8.04
	6405	91	ax (40MHz)	271/286.8 (MCS11)	4.66	3.70	8.36	17	-8.64
	5985	7	ax (80MHz)	567/600.5 (MCS11)	2.36	3.70	6.06	17	-10.94
	6145	39	ax (80MHz)	567/600.5 (MCS11)	2.09	3.70	5.79	17	-11.21
	6385	87	ax (80MHz)	567/600.5 (MCS11)	2.31	3.70	6.01	17	-10.99
	6025	15	ax (160MHz)	1020.8/1201 (MCS11)	-0.19	3.70	3.51	17	-13.49
	6185	47	ax (160MHz)	1020.8/1201 (MCS11)	-0.56	3.70	3.14	17	-13.86
6345	79	ax (160MHz)	1020.8/1201 (MCS11)	-1.03	3.70	2.67	17	-14.33	
Band 7	6535	117	a	54	7.24	3.10	10.34	17	-6.66
	6695	149	a	54	7.80	3.10	10.90	17	-6.10
	6535	117	ax (20MHz)	135/143.4 (MCS11)	6.74	3.10	9.84	17	-7.16
	6695	149	ax (20MHz)	135/143.4 (MCS11)	7.53	3.10	10.63	17	-6.37
	6565	123	ax (40MHz)	271/286.8 (MCS11)	4.28	3.10	7.38	17	-9.62
	6725	155	ax (40MHz)	271/286.8 (MCS11)	5.16	3.10	8.26	17	-8.74
	6845	179	ax (40MHz)	271/286.8 (MCS11)	5.72	3.10	8.82	17	-8.18
	6705	151	ax (80MHz)	567/600.5 (MCS11)	2.08	3.10	5.18	17	-11.82
	6665	143	ax (160MHz)	1020.8/1201 (MCS11)	-1.13	3.10	1.97	17	-15.03

**Table 7-91. Power Spectral Density Measurements Antenna WF7a Standard Power (High Data Rate)**

FCC ID: BCGA2902 IC: 579C-A2902		<b>MEASUREMENT REPORT</b> (Certification)	<b>Approved by:</b> Technical Manager
Test Report S/N: 1C2311270063-13-R1.BCG	Test Dates: 11/29/2023 - 04/04/2024	EUT Type: Tablet Device	Page 102 of 336