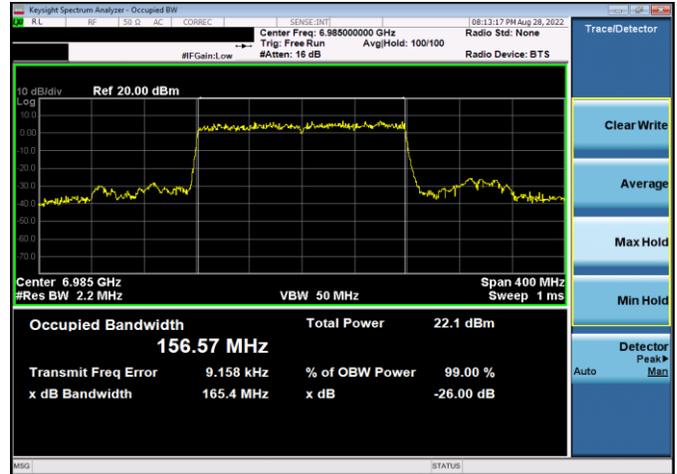


Plot 7-59. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz  
802.11ax (UNII Band 8) – Ch. 199, MCS11)



Plot 7-60. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz  
802.11ax (UNII Band 8) – Ch. 207, MCS11)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 32 of 282

## 7.2.2 Antenna 4a 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]	Maximum Bandwidth Limit [MHz]	Pass / Fail
Band 5	5955	1	a	12	16.52	20.49	320	Pass
	6175	45	a	12	16.55	20.72	320	Pass
	6415	93	a	12	16.62	20.75	320	Pass
	5955	1	ax (20MHz)	24/25.8 (MCS2)	19.08	21.27	320	Pass
	6175	45	ax (20MHz)	24/25.8 (MCS2)	19.03	21.20	320	Pass
	6415	93	ax (20MHz)	24/25.8 (MCS2)	19.06	21.14	320	Pass
	5965	3	ax (40MHz)	49/51.6 (MCS2)	37.88	41.39	320	Pass
	6165	43	ax (40MHz)	49/51.6 (MCS2)	37.91	41.57	320	Pass
	6405	91	ax (40MHz)	49/51.6 (MCS2)	37.89	41.36	320	Pass
	5985	7	ax (80MHz)	102/108.1 (MCS2)	77.16	82.00	320	Pass
	6145	39	ax (80MHz)	102/108.1 (MCS2)	77.24	81.89	320	Pass
	6385	87	ax (80MHz)	102/108.1 (MCS2)	77.23	81.87	320	Pass
	6025	15	ax (160MHz)	183.8/216.2 (MCS2)	156.39	166.17	320	Pass
	6185	47	ax (160MHz)	183.8/216.2 (MCS2)	156.69	167.62	320	Pass
6345	79	ax (160MHz)	183.8/216.2 (MCS2)	156.63	166.20	320	Pass	
Band 6	6435	97	a	12	16.59	20.75	320	Pass
	6475	105	a	12	16.60	20.96	320	Pass
	6515	113	a	12	16.58	20.86	320	Pass
	6435	97	ax (20MHz)	24/25.8 (MCS2)	19.04	21.28	320	Pass
	6475	105	ax (20MHz)	24/25.8 (MCS2)	19.05	21.27	320	Pass
	6515	113	ax (20MHz)	24/25.8 (MCS2)	19.01	21.32	320	Pass
	6445	99	ax (40MHz)	49/51.6 (MCS2)	37.95	41.45	320	Pass
	6485	107	ax (40MHz)	49/51.6 (MCS2)	37.94	41.46	320	Pass
	6525	115	ax (40MHz)	49/51.6 (MCS2)	37.94	41.45	320	Pass
	6465	103	ax (80MHz)	102/108.1 (MCS2)	77.14	81.98	320	Pass
6505	111	ax (160MHz)	183.8/216.2 (MCS2)	156.51	165.90	320	Pass	
Band 7	6535	117	a	12	16.76	20.93	320	Pass
	6695	149	a	12	16.70	20.79	320	Pass
	6875	185	a	12	16.74	20.77	320	Pass
	6535	117	ax (20MHz)	24/25.8 (MCS2)	18.97	21.06	320	Pass
	6695	149	ax (20MHz)	24/25.8 (MCS2)	19.00	21.26	320	Pass
	6875	185	ax (20MHz)	24/25.8 (MCS2)	18.99	21.13	320	Pass
	6565	123	ax (40MHz)	49/51.6 (MCS2)	37.92	41.76	320	Pass
	6725	155	ax (40MHz)	49/51.6 (MCS2)	37.92	41.82	320	Pass
	6845	179	ax (40MHz)	49/51.6 (MCS2)	37.91	41.52	320	Pass
	6545	119	ax (80MHz)	102/108.1 (MCS2)	77.29	81.79	320	Pass
	6705	151	ax (80MHz)	102/108.1 (MCS2)	77.20	81.59	320	Pass
	6865	183	ax (80MHz)	102/108.1 (MCS2)	77.05	82.29	320	Pass
	6665	143	ax (160MHz)	183.8/216.2 (MCS2)	156.24	166.19	320	Pass
	6825	175	ax (160MHz)	183.8/216.2 (MCS2)	156.60	166.70	320	Pass
Band 8	6895	189	a	12	16.58	20.46	320	Pass
	6995	209	a	12	16.54	20.45	320	Pass
	7115	233	a	12	16.53	20.45	320	Pass
	6895	189	ax (20MHz)	24/25.8 (MCS2)	19.01	21.07	320	Pass
	6995	209	ax (20MHz)	24/25.8 (MCS2)	18.97	21.23	320	Pass
	7115	233	ax (20MHz)	24/25.8 (MCS2)	19.01	21.14	320	Pass
	6885	187	ax (40MHz)	49/51.6 (MCS2)	37.92	41.40	320	Pass
	7005	211	ax (40MHz)	49/51.6 (MCS2)	37.94	41.29	320	Pass
	7085	227	ax (40MHz)	49/51.6 (MCS2)	37.89	41.38	320	Pass
	6945	199	ax (80MHz)	102/108.1 (MCS2)	77.11	81.80	320	Pass
	7025	215	ax (80MHz)	102/108.1 (MCS2)	77.18	81.41	320	Pass
	6985	207	ax (160MHz)	183.8/216.2 (MCS2)	156.75	166.50	320	Pass

**Table 7-5. Conducted Bandwidth Measurements Antenna 4a (Low Data Rate)**

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 33 of 282

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [MHz]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]	Maximum Bandwidth Limit [MHz]	Pass / Fail
Band 5	5955	1	a	24	16.52	20.41	320	Pass
	6175	45	a	24	16.57	20.37	320	Pass
	6415	93	a	24	16.56	20.42	320	Pass
	5955	1	ax (20MHz)	49/51.6 (MCS4)	19.00	21.06	320	Pass
	6175	45	ax (20MHz)	49/51.6 (MCS4)	19.03	21.06	320	Pass
	6415	93	ax (20MHz)	49/51.6 (MCS4)	19.04	21.24	320	Pass
	5965	3	ax (40MHz)	98/103.2 (MCS4)	37.90	41.65	320	Pass
	6165	43	ax (40MHz)	98/103.2 (MCS4)	37.89	41.60	320	Pass
	6405	91	ax (40MHz)	98/103.2 (MCS4)	37.90	41.57	320	Pass
	5985	7	ax (80MHz)	204/216.2 (MCS4)	77.22	81.73	320	Pass
	6145	39	ax (80MHz)	204/216.2 (MCS4)	77.34	82.03	320	Pass
	6385	87	ax (80MHz)	204/216.2 (MCS4)	77.18	81.99	320	Pass
	6025	15	ax (160MHz)	367.5/432.4 (MCS4)	156.36	165.92	320	Pass
6185	47	ax (160MHz)	367.5/432.4 (MCS4)	156.49	166.57	320	Pass	
6345	79	ax (160MHz)	367.5/432.4 (MCS4)	156.32	165.77	320	Pass	
Band 6	6435	97	a	24	16.57	20.40	320	Pass
	6475	105	a	24	16.55	20.39	320	Pass
	6515	113	a	24	16.56	20.31	320	Pass
	6435	97	ax (20MHz)	49/51.6 (MCS4)	19.02	21.18	320	Pass
	6475	105	ax (20MHz)	49/51.6 (MCS4)	19.01	21.09	320	Pass
	6515	113	ax (20MHz)	49/51.6 (MCS4)	19.03	21.39	320	Pass
	6445	99	ax (40MHz)	98/103.2 (MCS4)	37.90	41.67	320	Pass
	6485	107	ax (40MHz)	98/103.2 (MCS4)	37.92	41.56	320	Pass
	6525	115	ax (40MHz)	98/103.2 (MCS4)	37.88	41.38	320	Pass
	6465	103	ax (80MHz)	204/216.2 (MCS4)	77.27	81.94	320	Pass
6505	111	ax (160MHz)	367.5/432.4 (MCS4)	156.43	166.56	320	Pass	
Band 7	6535	117	a	24	16.47	20.42	320	Pass
	6695	149	a	24	16.52	20.34	320	Pass
	6875	185	a	24	16.52	20.55	320	Pass
	6535	117	ax (20MHz)	49/51.6 (MCS4)	18.99	21.17	320	Pass
	6695	149	ax (20MHz)	49/51.6 (MCS4)	19.03	21.12	320	Pass
	6875	185	ax (20MHz)	49/51.6 (MCS4)	19.01	21.20	320	Pass
	6565	123	ax (40MHz)	98/103.2 (MCS4)	37.94	41.69	320	Pass
	6725	155	ax (40MHz)	98/103.2 (MCS4)	37.94	41.65	320	Pass
	6845	179	ax (40MHz)	98/103.2 (MCS4)	38.00	41.53	320	Pass
	6545	119	ax (80MHz)	204/216.2 (MCS4)	77.18	81.72	320	Pass
	6705	151	ax (80MHz)	204/216.2 (MCS4)	77.19	82.00	320	Pass
	6865	183	ax (80MHz)	204/216.2 (MCS4)	77.21	81.71	320	Pass
	6665	143	ax (160MHz)	367.5/432.4 (MCS4)	156.45	166.60	320	Pass
6825	175	ax (160MHz)	367.5/432.4 (MCS4)	156.63	165.47	320	Pass	
Band 8	6895	189	a	24	16.52	20.36	320	Pass
	6995	209	a	24	16.51	20.55	320	Pass
	7115	233	a	24	16.53	20.55	320	Pass
	6895	189	ax (20MHz)	49/51.6 (MCS4)	18.95	20.91	320	Pass
	6995	209	ax (20MHz)	49/51.6 (MCS4)	19.02	20.92	320	Pass
	7115	233	ax (20MHz)	49/51.6 (MCS4)	18.98	21.10	320	Pass
	6885	187	ax (40MHz)	98/103.2 (MCS4)	37.91	41.65	320	Pass
	7005	211	ax (40MHz)	98/103.2 (MCS4)	37.85	41.60	320	Pass
	7085	227	ax (40MHz)	98/103.2 (MCS4)	37.89	41.57	320	Pass
	6945	199	ax (80MHz)	204/216.2 (MCS4)	77.29	81.89	320	Pass
7025	215	ax (80MHz)	204/216.2 (MCS4)	77.40	81.50	320	Pass	
6985	207	ax (160MHz)	367.5/432.4 (MCS4)	156.32	165.58	320	Pass	

**Table 7-6. Conducted Bandwidth Measurements Antenna 4a (Mid Data Rate)**

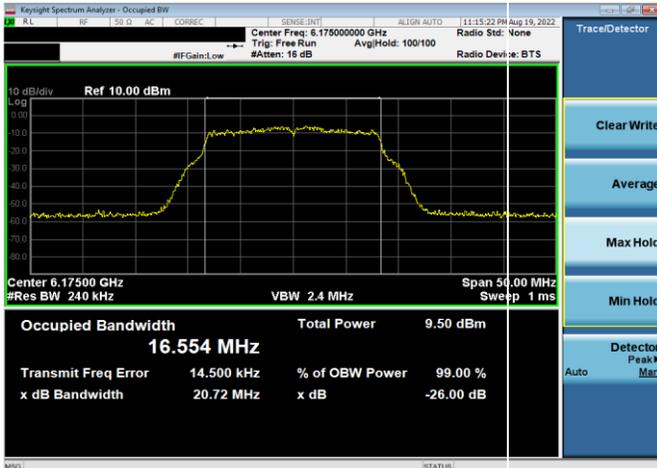
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 34 of 282

	Frequency [MHz]	Channel	802.11 MODE	Data Rate [MHz]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]	Maximum Bandwidth Limit [MHz]	Pass / Fail
Band 5	5955	1	a	54	16.69	20.78	320	Pass
	6175	45	a	54	16.65	20.69	320	Pass
	6415	93	a	54	16.70	20.77	320	Pass
	5955	1	ax (20MHz)	135/143.4 (MCS11)	18.99	21.06	320	Pass
	6175	45	ax (20MHz)	135/143.4 (MCS11)	19.04	21.23	320	Pass
	6415	93	ax (20MHz)	135/143.4 (MCS11)	19.00	21.16	320	Pass
	5965	3	ax (40MHz)	271/286.8 (MCS11)	37.89	41.01	320	Pass
	6165	43	ax (40MHz)	271/286.8 (MCS11)	37.90	41.26	320	Pass
	6405	91	ax (40MHz)	271/286.8 (MCS11)	37.92	41.24	320	Pass
	5985	7	ax (80MHz)	567/600.5 (MCS11)	77.11	81.64	320	Pass
	6145	39	ax (80MHz)	567/600.5 (MCS11)	76.99	81.70	320	Pass
	6385	87	ax (80MHz)	567/600.5 (MCS11)	77.13	81.53	320	Pass
	6025	15	ax (160MHz)	1020.8/1201 (MCS11)	156.44	165.32	320	Pass
6185	47	ax (160MHz)	1020.8/1201 (MCS11)	156.58	167.14	320	Pass	
6345	79	ax (160MHz)	1020.8/1201 (MCS11)	156.13	165.95	320	Pass	
Band 6	6435	97	a	54	16.68	20.80	320	Pass
	6475	105	a	54	16.69	20.75	320	Pass
	6515	113	a	54	16.67	20.60	320	Pass
	6435	97	ax (20MHz)	135/143.4 (MCS11)	19.04	21.20	320	Pass
	6475	105	ax (20MHz)	135/143.4 (MCS11)	19.00	21.34	320	Pass
	6515	113	ax (20MHz)	135/143.4 (MCS11)	19.05	21.31	320	Pass
	6445	99	ax (40MHz)	271/286.8 (MCS11)	37.93	41.29	320	Pass
	6485	107	ax (40MHz)	271/286.8 (MCS11)	37.99	41.39	320	Pass
	6525	115	ax (40MHz)	271/286.8 (MCS11)	37.89	41.47	320	Pass
	6465	103	ax (80MHz)	567/600.5 (MCS11)	77.17	81.55	320	Pass
6505	111	ax (160MHz)	1020.8/1201 (MCS11)	156.12	165.46	320	Pass	
Band 7	6535	117	a	54	16.68	20.86	320	Pass
	6695	149	a	54	16.64	20.92	320	Pass
	6875	185	a	54	16.64	20.64	320	Pass
	6535	117	ax (20MHz)	135/143.4 (MCS11)	19.05	21.03	320	Pass
	6695	149	ax (20MHz)	135/143.4 (MCS11)	18.96	20.83	320	Pass
	6875	185	ax (20MHz)	135/143.4 (MCS11)	19.03	21.19	320	Pass
	6565	123	ax (40MHz)	271/286.8 (MCS11)	37.91	41.19	320	Pass
	6725	155	ax (40MHz)	271/286.8 (MCS11)	37.90	41.41	320	Pass
	6845	179	ax (40MHz)	271/286.8 (MCS11)	37.91	41.17	320	Pass
	6545	119	ax (80MHz)	567/600.5 (MCS11)	77.02	81.10	320	Pass
	6705	151	ax (80MHz)	567/600.5 (MCS11)	77.12	81.51	320	Pass
	6865	183	ax (80MHz)	567/600.5 (MCS11)	77.18	81.31	320	Pass
	6665	143	ax (160MHz)	1020.8/1201 (MCS11)	156.62	165.21	320	Pass
6825	175	ax (160MHz)	1020.8/1201 (MCS11)	156.38	166.24	320	Pass	
Band 8	6895	189	a	54	16.67	20.64	320	Pass
	6995	209	a	54	16.69	20.53	320	Pass
	7115	233	a	54	16.64	20.83	320	Pass
	6895	189	ax (20MHz)	135/143.4 (MCS11)	19.06	20.89	320	Pass
	6995	209	ax (20MHz)	135/143.4 (MCS11)	19.01	21.14	320	Pass
	7115	233	ax (20MHz)	135/143.4 (MCS11)	19.03	21.07	320	Pass
	6885	187	ax (40MHz)	271/286.8 (MCS11)	37.86	41.29	320	Pass
	7005	211	ax (40MHz)	271/286.8 (MCS11)	37.90	41.43	320	Pass
	7085	227	ax (40MHz)	271/286.8 (MCS11)	37.85	41.16	320	Pass
	6945	199	ax (80MHz)	567/600.5 (MCS11)	77.01	81.29	320	Pass
7025	215	ax (80MHz)	567/600.5 (MCS11)	77.10	81.44	320	Pass	
6985	207	ax (160MHz)	1020.8/1201 (MCS11)	156.78	165.81	320	Pass	

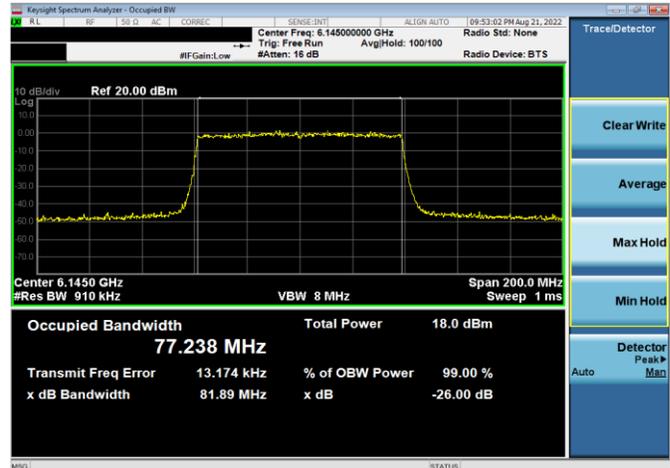
**Table 7-7. Conducted Bandwidth Measurements Antenna 4a (High Data Rate)**

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 35 of 282

### Low Data Rate



Plot 7-61. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 5) – Ch. 45, 12Mbps)



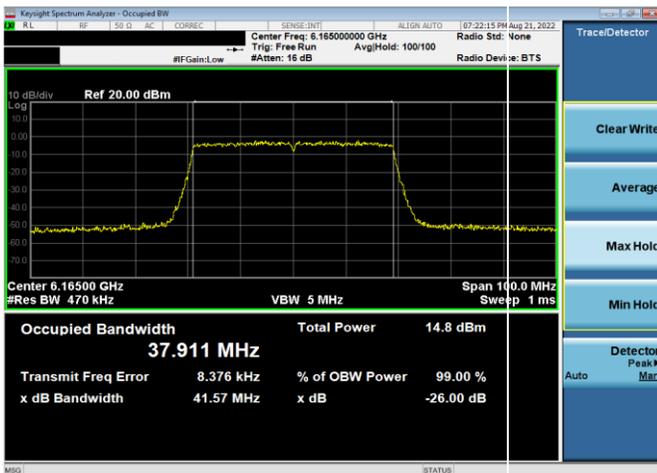
Plot 7-64. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS2)



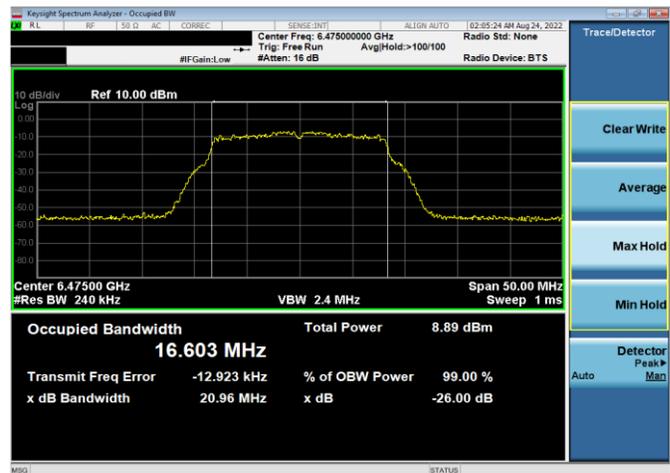
Plot 7-62. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS2)



Plot 7-65. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS2)



Plot 7-63. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS2)

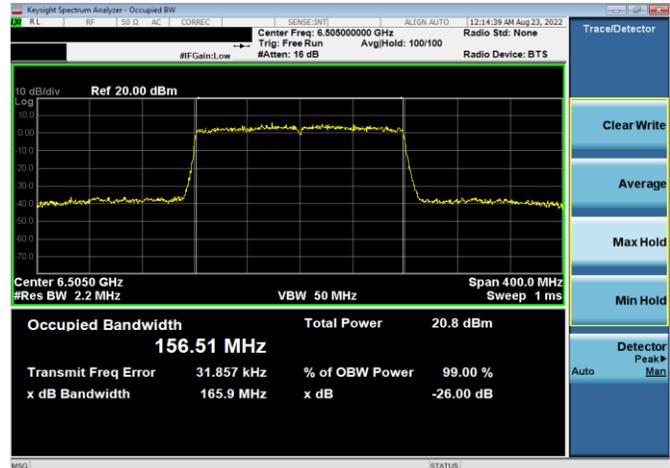


Plot 7-66. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 6) – Ch. 105, 12Mbps)

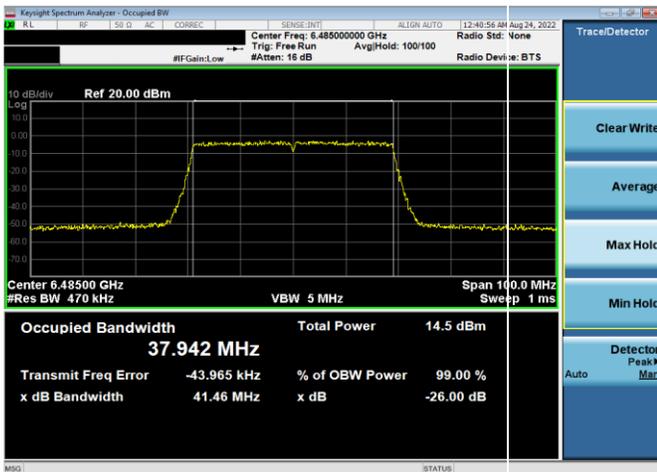
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 36 of 282



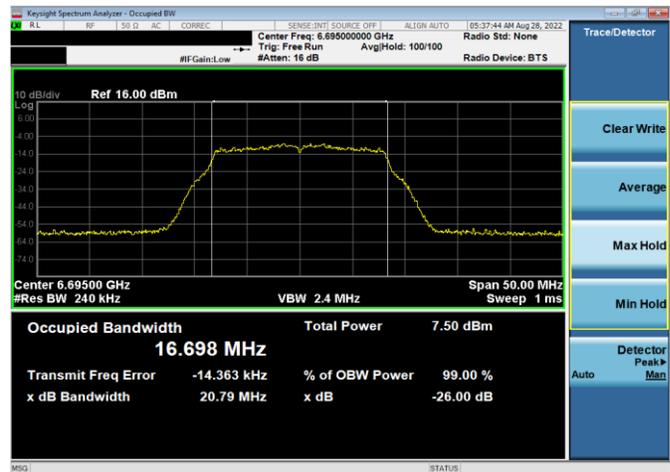
Plot 7-67. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS2)



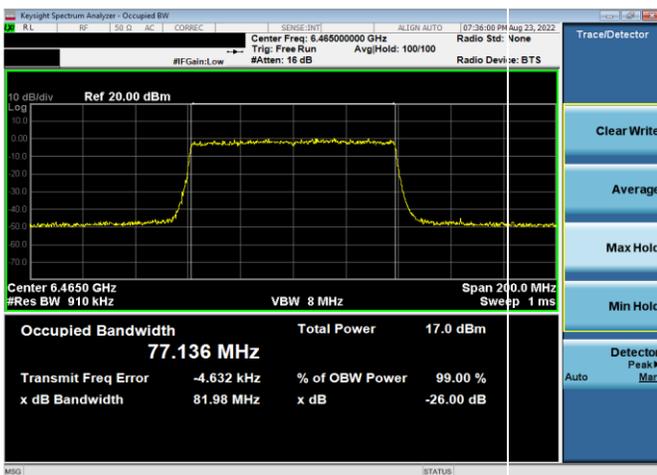
Plot 7-70. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS2)



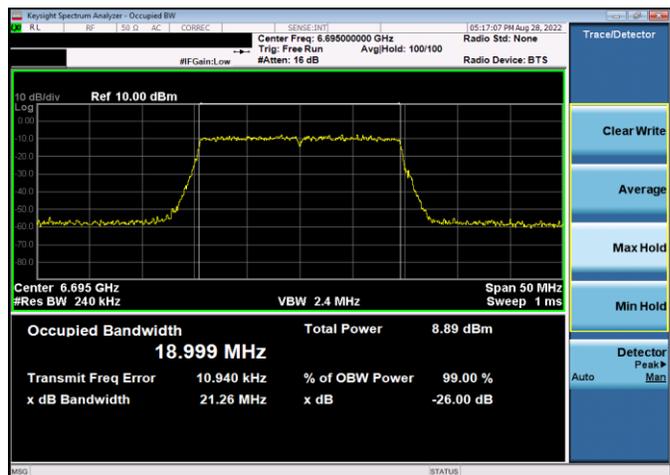
Plot 7-68. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS2)



Plot 7-71. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 7) – Ch. 149, 12Mbps)

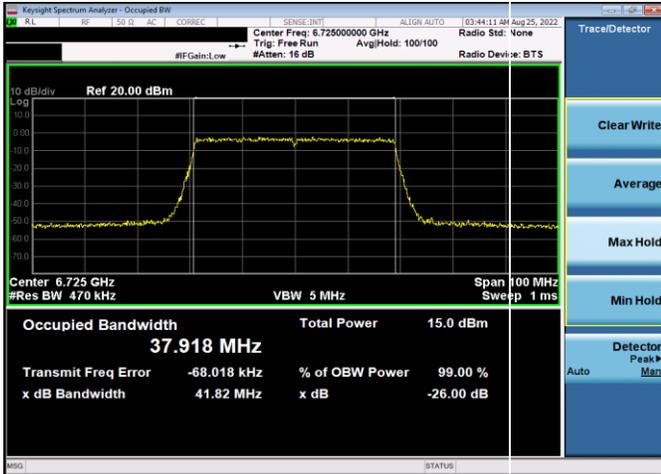


Plot 7-69. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS2)

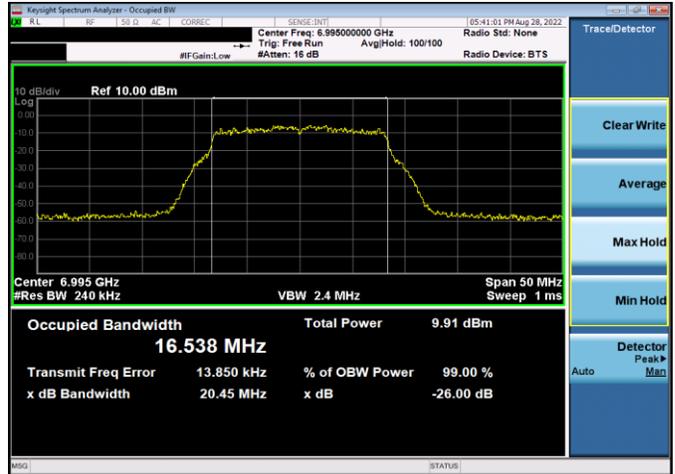


Plot 7-72. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS2)

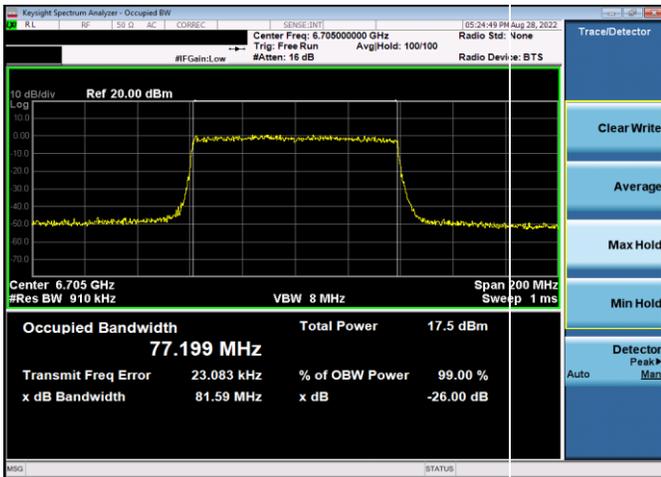
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 37 of 282



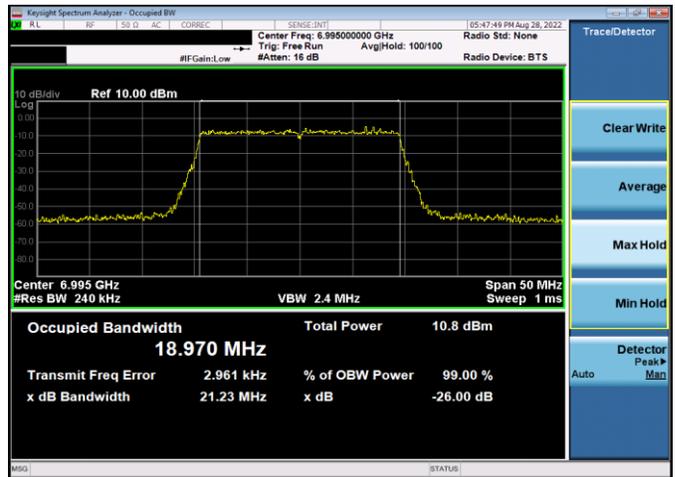
Plot 7-73. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS2)



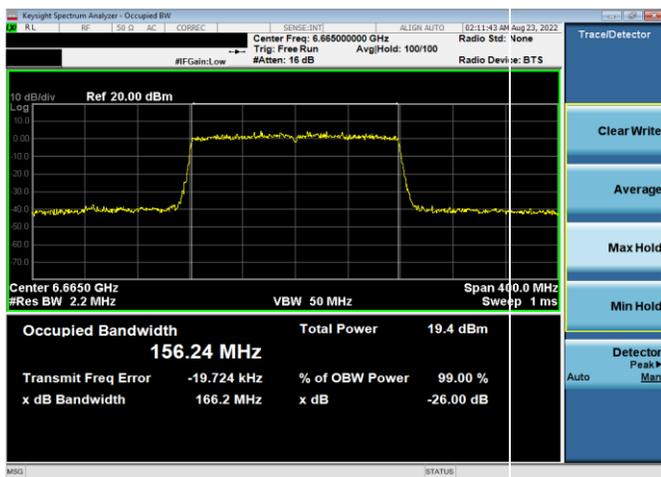
Plot 7-76. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 8) – Ch. 209, 12Mbps)



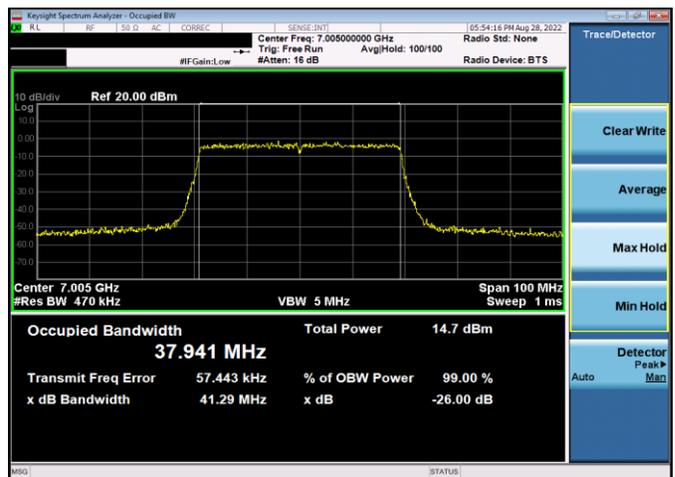
Plot 7-74. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS2)



Plot 7-77. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS2)

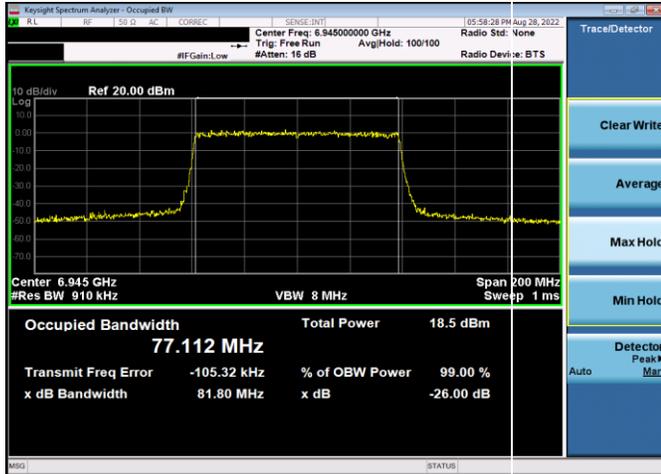


Plot 7-75. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS2)

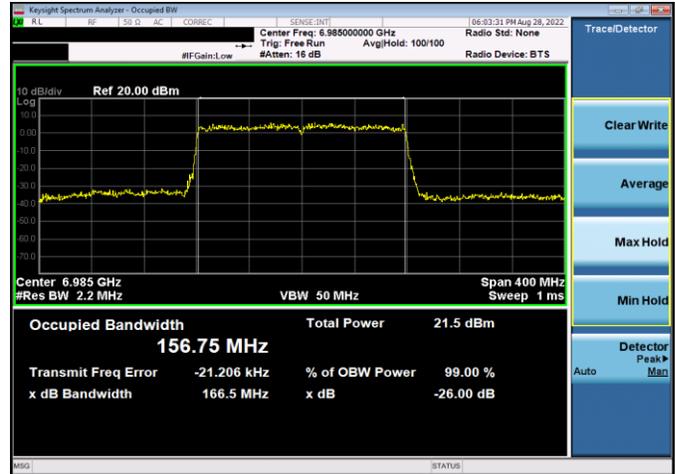


Plot 7-78. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS2)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 38 of 282



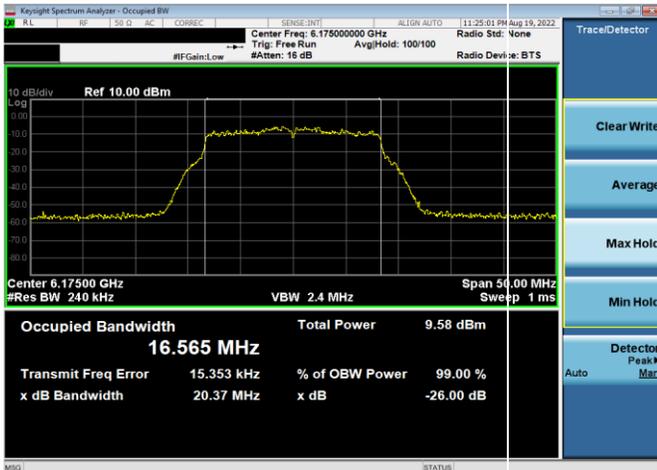
Plot 7-79. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz)  
802.11ax (UNII Band 8) – Ch. 199, MCS2)



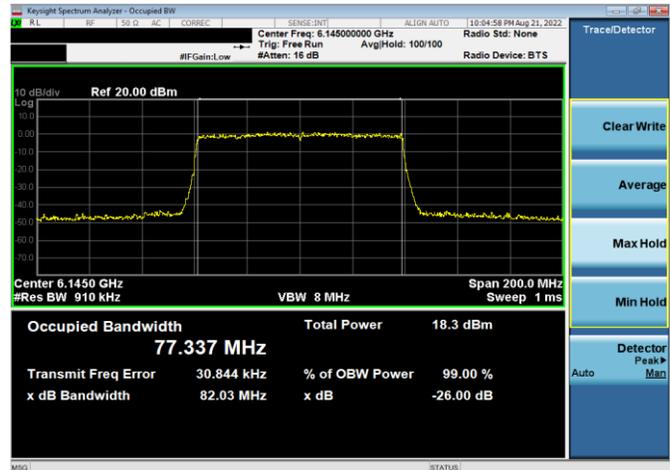
Plot 7-80. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz)  
802.11ax (UNII Band 8) – Ch. 207, MCS2)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 39 of 282

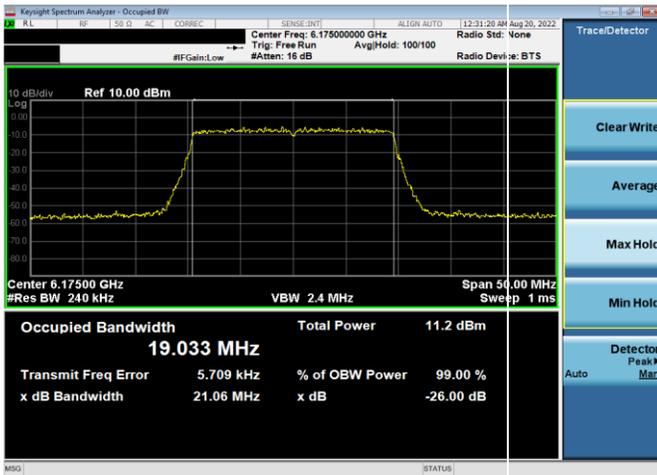
Mid Data Rate



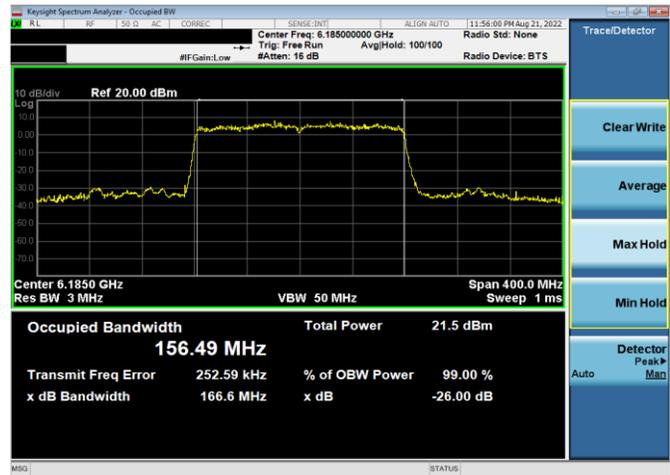
Plot 7-81. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 5) – Ch. 45, 24Mbps)



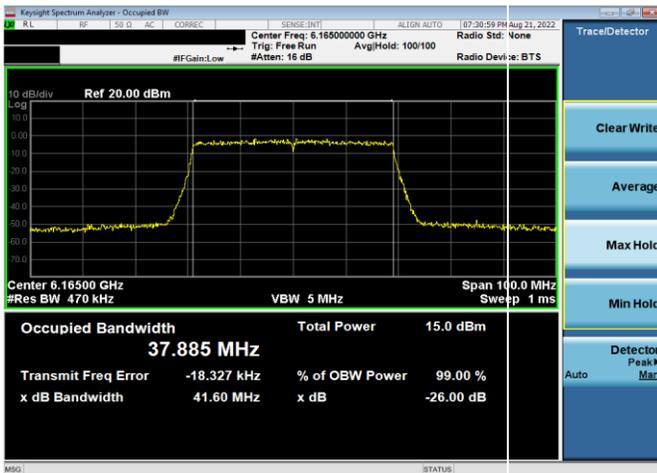
Plot 7-84. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS4)



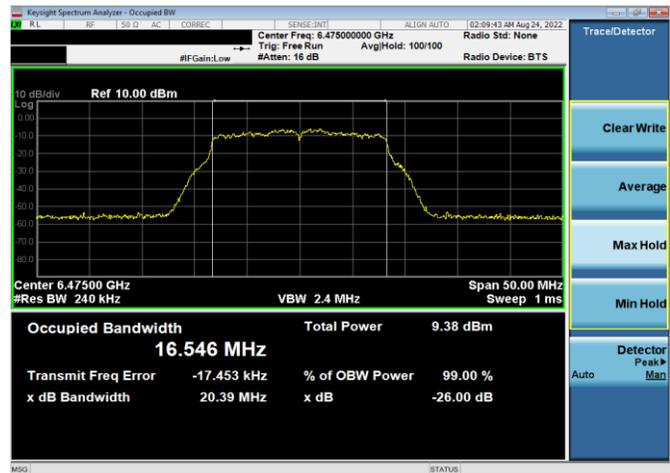
Plot 7-82. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS4)



Plot 7-85. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS4)

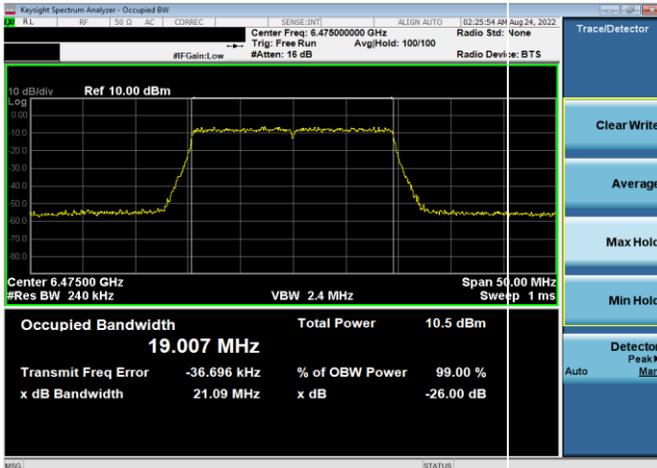


Plot 7-83. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS4)

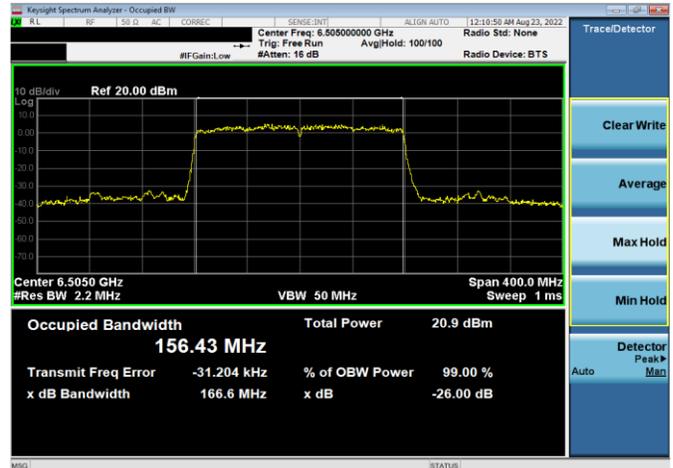


Plot 7-86. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 6) – Ch. 105, 24Mbps)

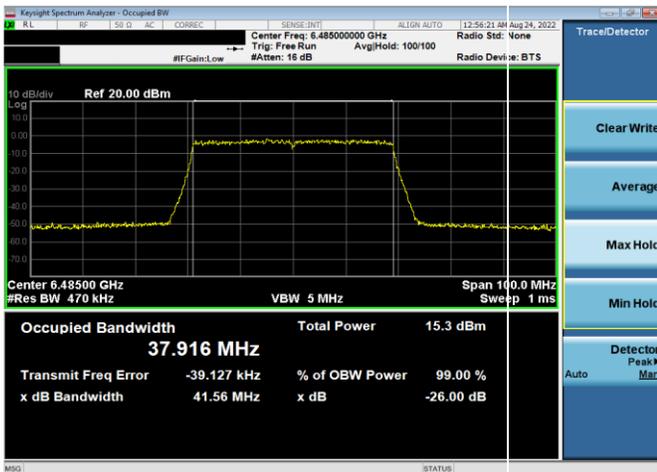
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 40 of 282



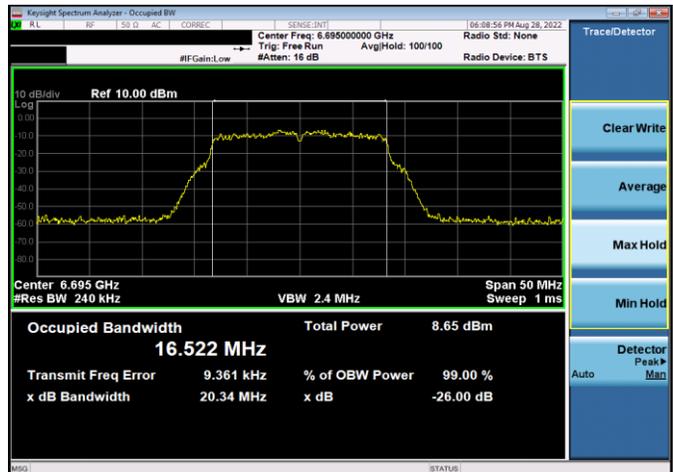
Plot 7-87. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS4)



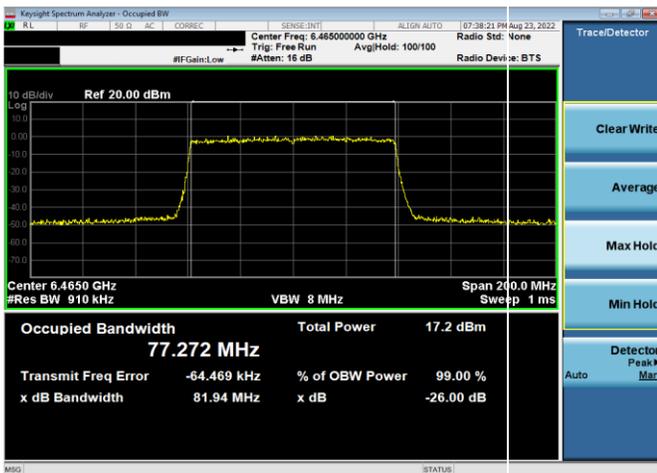
Plot 7-90. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS4)



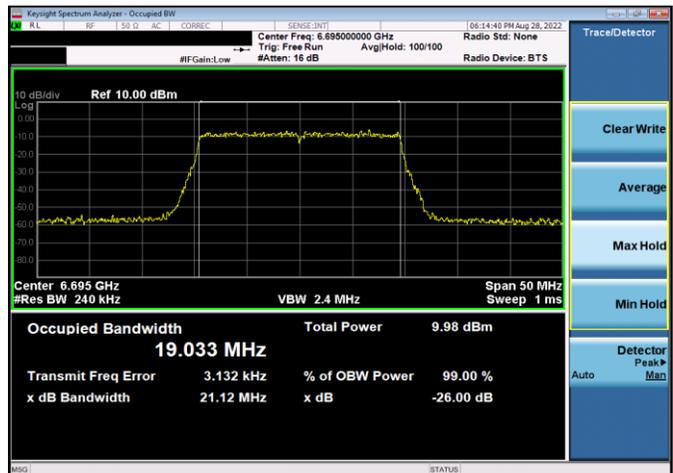
Plot 7-88. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS4)



Plot 7-91. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 7) – Ch. 149, 24Mbps)

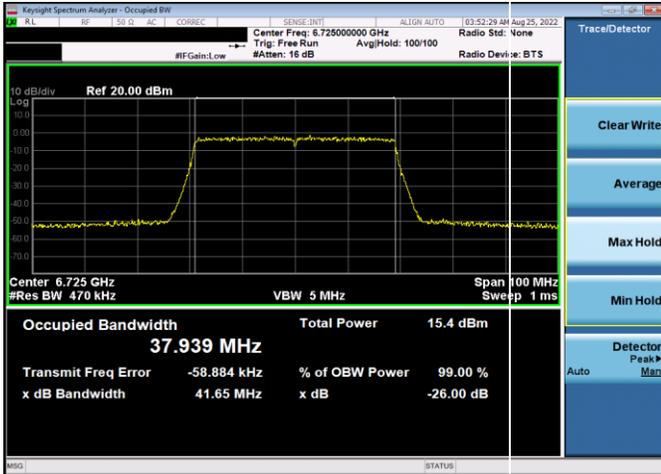


Plot 7-89. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS4)

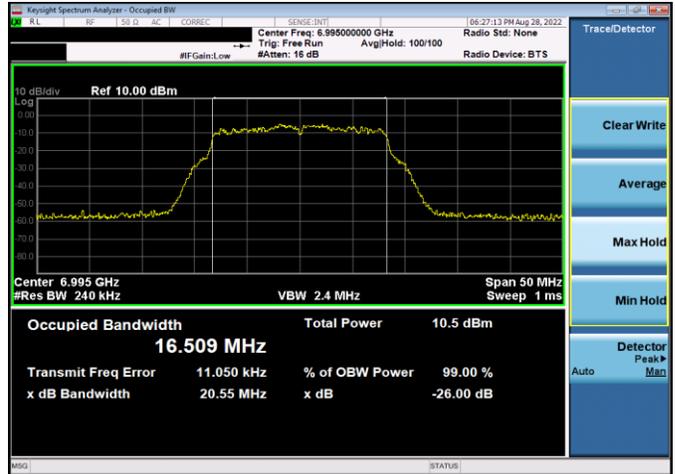


Plot 7-92. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS4)

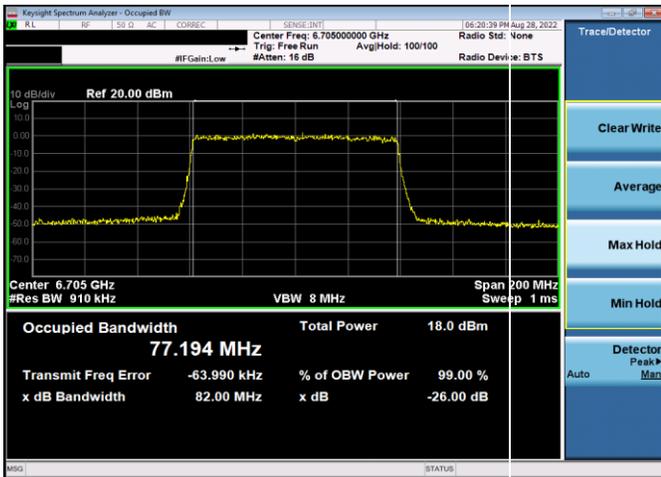
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 41 of 282



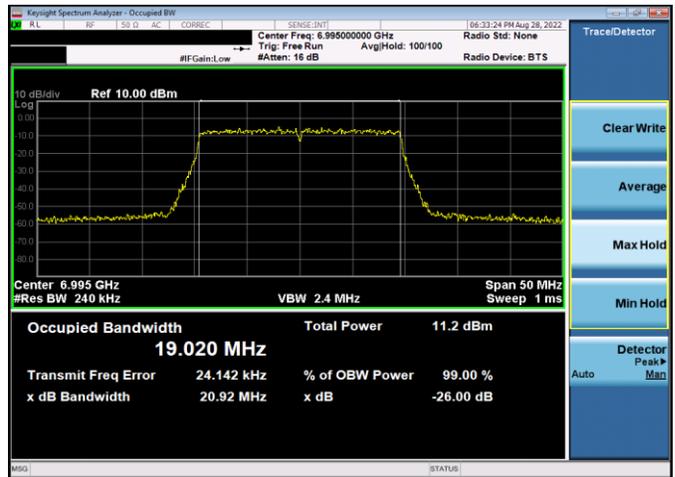
Plot 7-93. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS4)



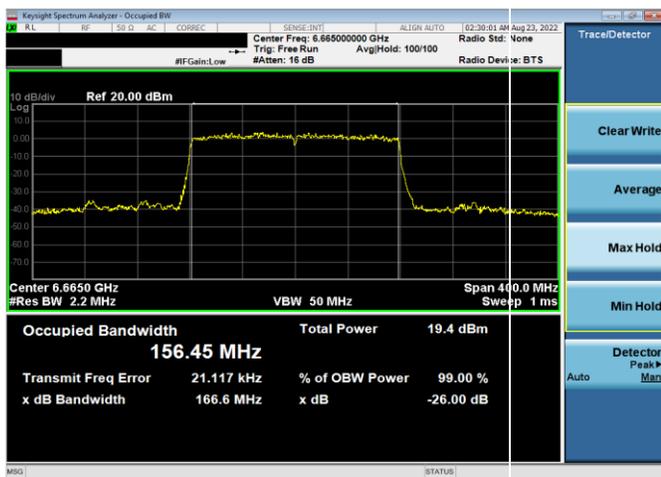
Plot 7-96. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 8) – Ch. 209, 24Mbps)



Plot 7-94. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS4)



Plot 7-97. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS4)

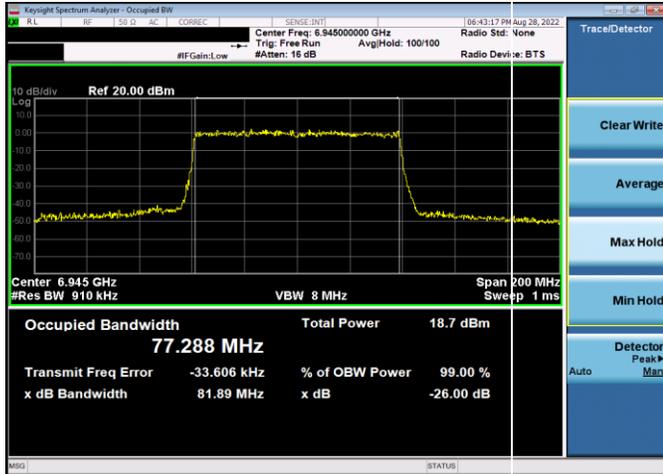


Plot 7-95. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS4)

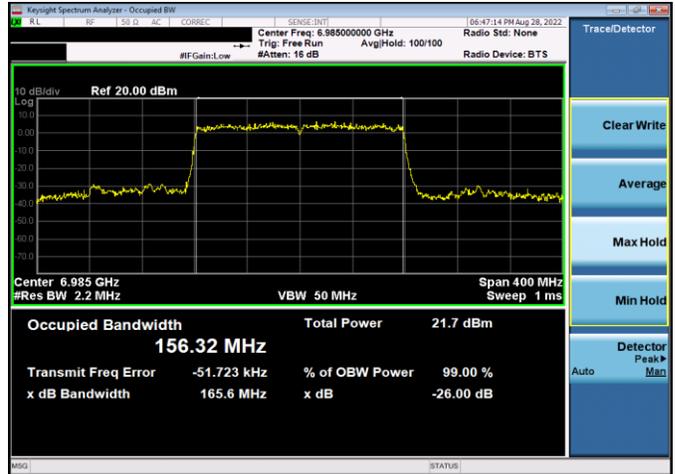


Plot 7-98. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS4)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 42 of 282



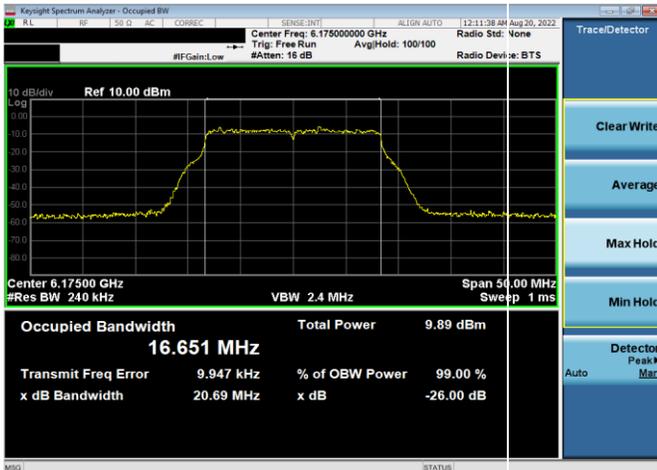
Plot 7-99. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS4)



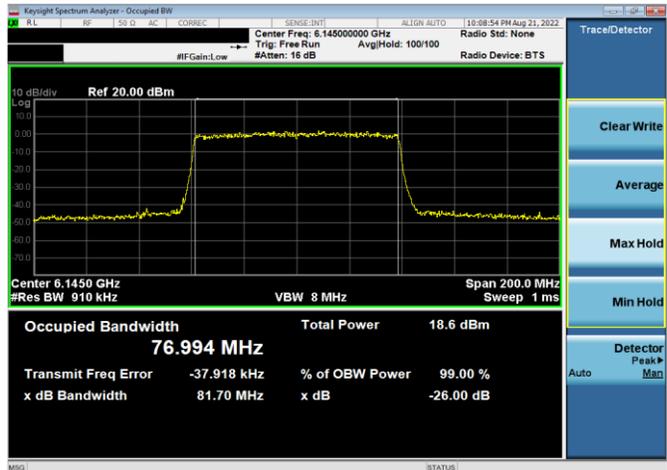
Plot 7-100. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS4)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 43 of 282

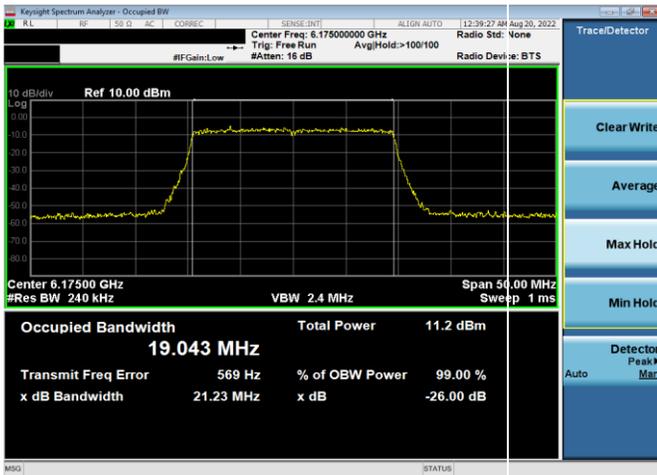
### High Data Rate



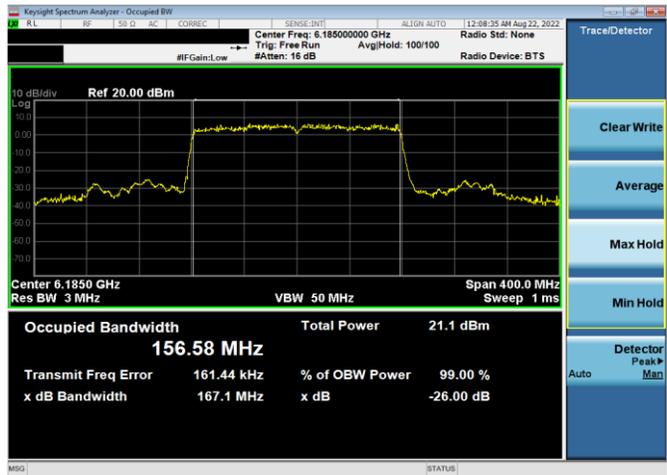
Plot 7-101. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 5) – Ch. 45, 54Mbps)



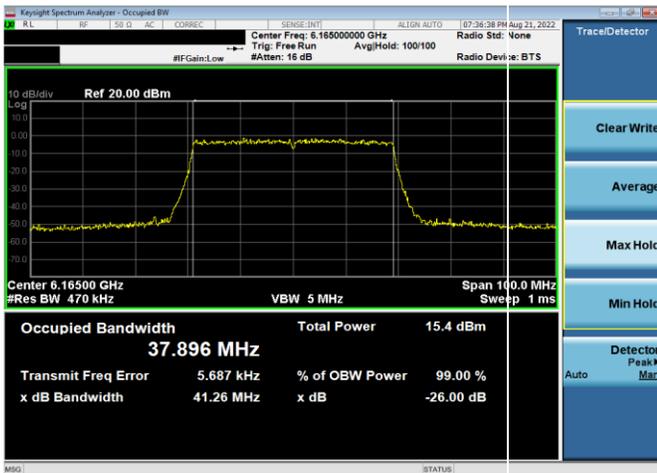
Plot 7-104. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS11)



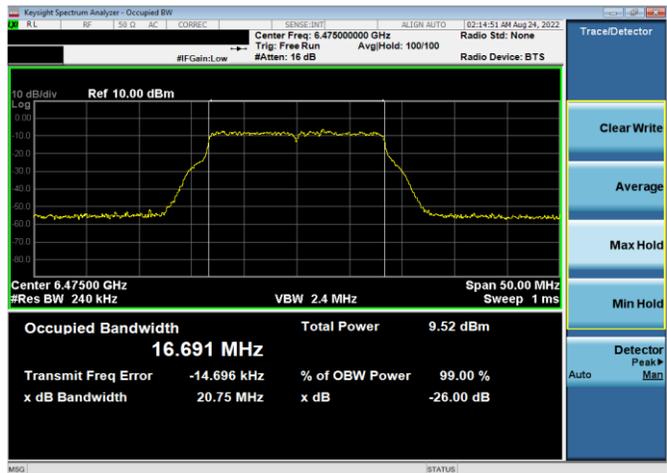
Plot 7-102. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS11)



Plot 7-105. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS11)

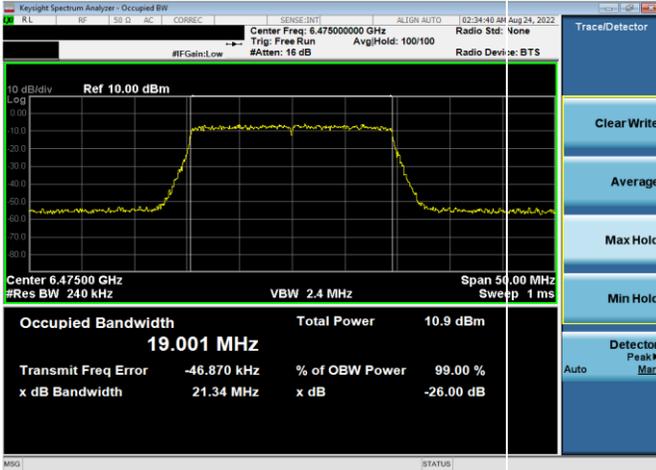


Plot 7-103. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS11)

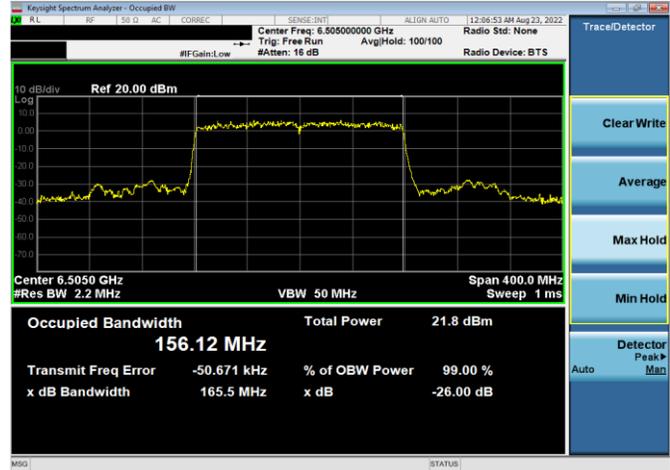


Plot 7-106. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 6) – Ch. 105, 54Mbps)

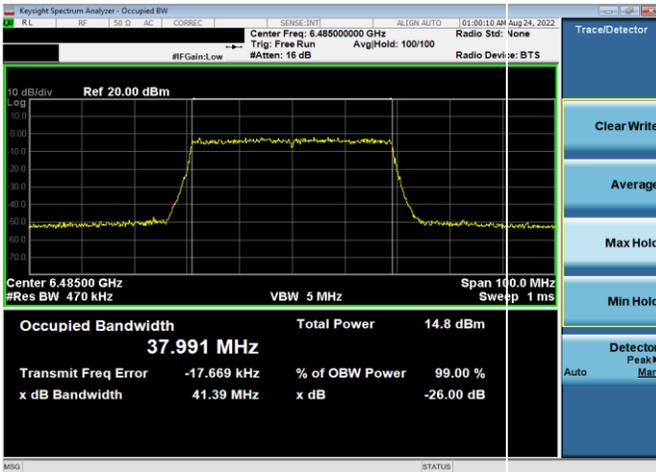
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 44 of 282



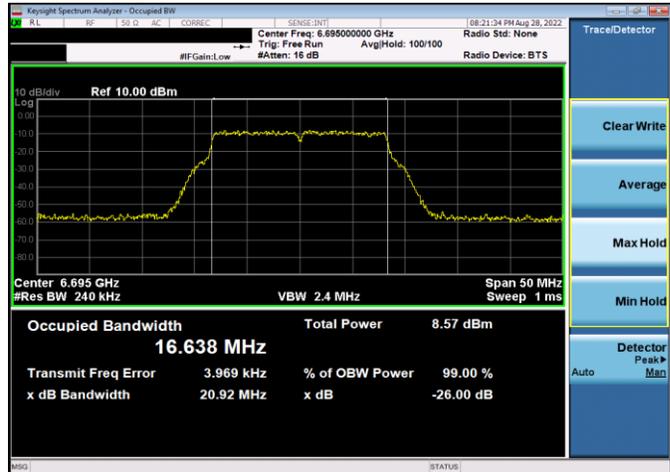
Plot 7-107. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS11)



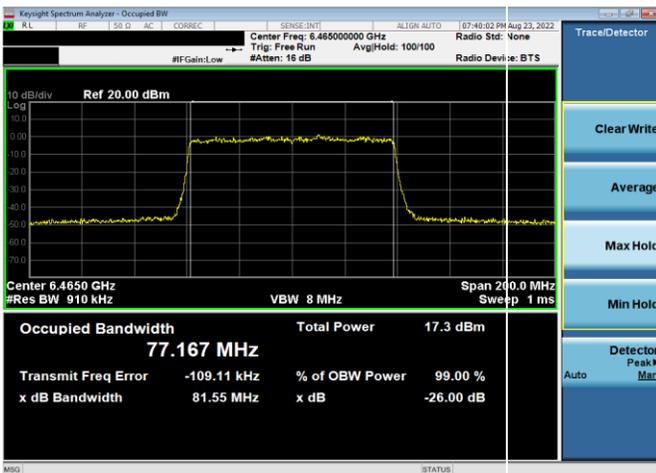
Plot 7-110. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS11)



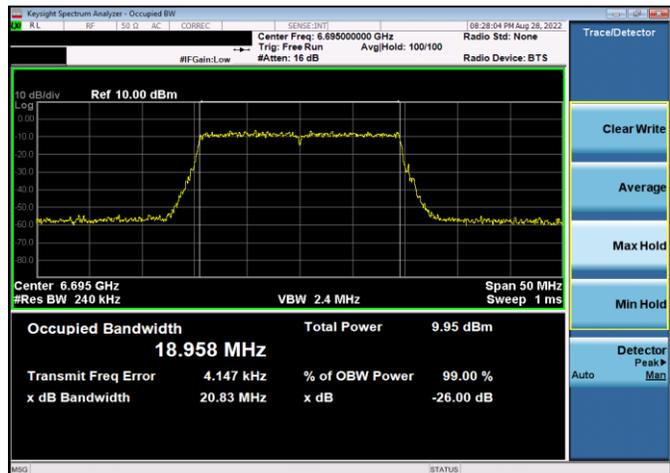
Plot 7-108. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS11)



Plot 7-111. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 7) – Ch. 149, 54Mbps)

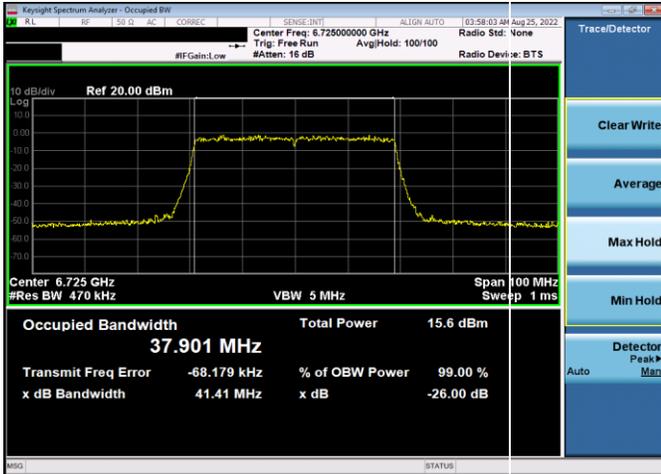


Plot 7-109. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS11)

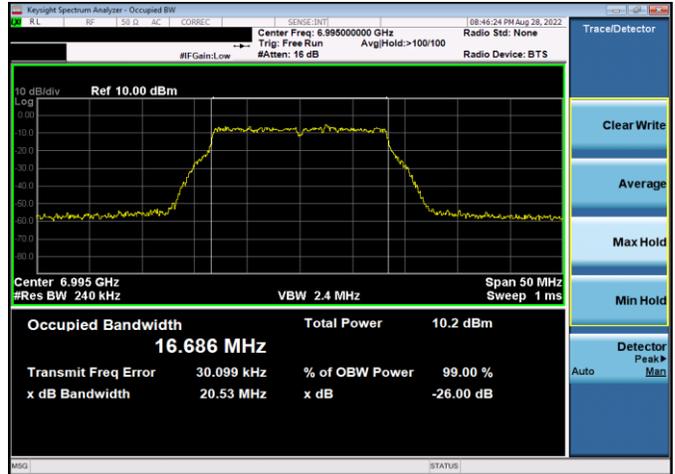


Plot 7-112. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS11)

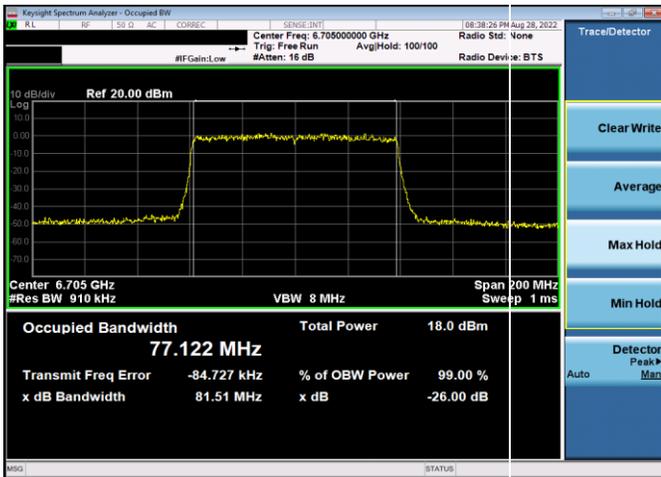
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 45 of 282



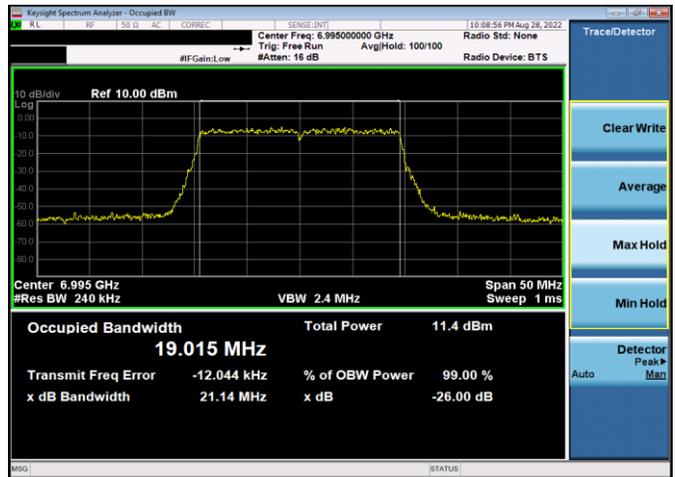
Plot 7-113. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS11)



Plot 7-116. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11a (UNII Band 8) – Ch. 209, 54Mbps)



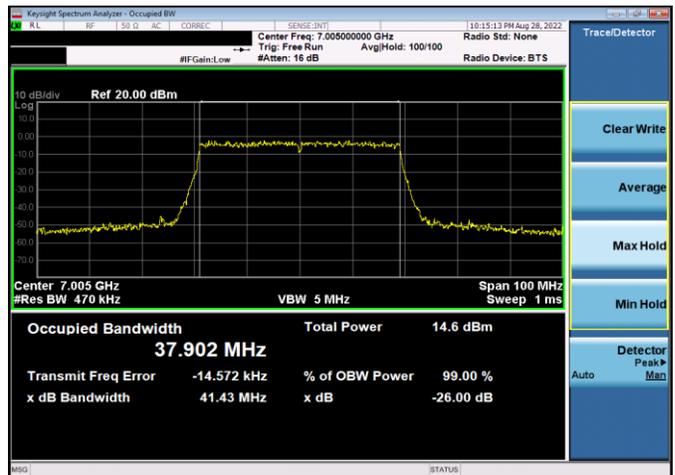
Plot 7-114. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS11)



Plot 7-117. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS11)

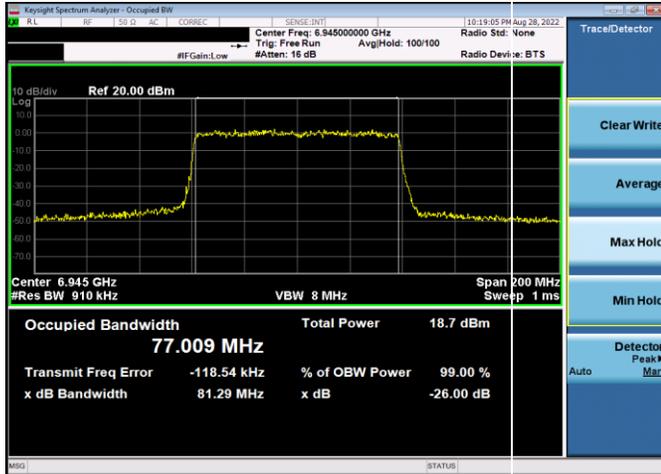


Plot 7-115. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS11)

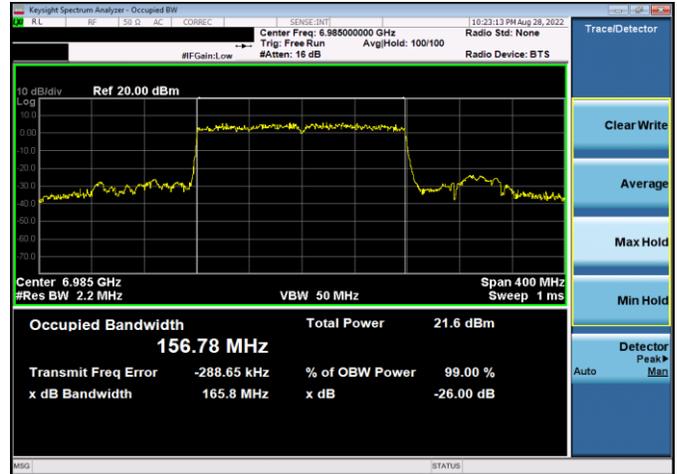


Plot 7-118. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS11)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 46 of 282



Plot 7-119. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz)  
802.11ax (UNII Band 8) – Ch. 199, MCS11)



Plot 7-120. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz)  
802.11ax (UNII Band 8) – Ch. 207, MCS11)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 47 of 282

### 7.3 Conducted Output Power and Max EIRP Measurement – 802.11a/ax(SU) §15.407(a)(8), RSS-248 [4.6.2]

#### Test Overview and Limits

A transmitter antenna terminal of the EUT is connected to the input of an RF pulse power sensor. Measurement is made using a broadband average power meter while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies.

***In the 5.925 – 7.125GHz band, the maximum e.i.r.p. over the frequency band of operation must not exceed 24dBm.***

#### Test Procedure Used

ANSI C63.10-2013 – Section 12.3.3.2 Method PM-G  
KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G  
ANSI C63.10-2013 – Section 14.2 Measure-and-Sum Technique  
KDB 662911 v02r01 – Section E)1) Measure-and-Sum Technique

#### Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

#### Test Setup

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



Figure 7-2. Test Instrument & Measurement Setup

#### Test Notes

None

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 48 of 282

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### 7.3.1 Antenna 5b Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
				5955	1				
6175	45	AVG	3.02	2.96	3.90	6.92	24.00	-17.08	
6415	93	AVG	3.07	3.23	4.30	7.53	24.00	-16.47	
6435	97	AVG	2.97	2.92	4.30	7.27	24.00	-16.73	
6475	105	AVG	2.89	2.89	4.30	7.19	24.00	-16.81	
6515	113	AVG	2.88	2.79	3.40	6.28	24.00	-17.72	
6535	117	AVG	2.62	2.54	3.40	6.02	24.00	-17.98	
6695	149	AVG	2.68	2.75	4.20	6.95	24.00	-17.05	
6875	185	AVG	2.60	2.75	4.70	7.45	24.00	-16.55	
6895	189	AVG	2.96	3.07	4.70	7.77	24.00	-16.23	
6995	209	AVG	3.20	3.21	4.20	7.41	24.00	-16.59	
7095	229	AVG	3.16	3.03	4.10	7.26	24.00	-16.74	
7115	233	AVG	2.50	2.24	4.10	6.60	24.00	-17.40	

Table 7-8. Antenna 5b 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
				5955	1				
6175	45	AVG	3.17	3.18	3.90	7.08	24.00	-16.92	
6415	93	AVG	3.13	3.18	4.30	7.48	24.00	-16.52	
6435	97	AVG	2.92	2.94	4.30	7.24	24.00	-16.76	
6475	105	AVG	2.88	2.96	4.30	7.26	24.00	-16.74	
6515	113	AVG	2.76	2.75	3.40	6.16	24.00	-17.84	
6535	117	AVG	2.64	2.69	3.40	6.09	24.00	-17.91	
6695	149	AVG	2.54	2.66	4.20	6.86	24.00	-17.14	
6875	185	AVG	2.60	2.67	4.70	7.37	24.00	-16.63	
6895	189	AVG	3.09	3.01	4.70	7.79	24.00	-16.21	
6995	209	AVG	3.13	3.17	4.20	7.37	24.00	-16.63	
7095	229	AVG	3.12	3.25	4.10	7.35	24.00	-16.65	
7115	233	AVG	1.78	1.82	4.10	5.92	24.00	-18.08	

Table 7-9. Antenna 5b 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 49 of 282

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
				5955	1				
6175	45	AVG	3.20	3.05	3.90	7.10	24.00	-16.90	
6415	93	AVG	3.18	3.00	4.30	7.48	24.00	-16.52	
6435	97	AVG	2.75	2.95	4.30	7.25	24.00	-16.75	
6475	105	AVG	2.91	2.78	4.30	7.21	24.00	-16.79	
6515	113	AVG	2.87	2.98	3.40	6.38	24.00	-17.62	
6535	117	AVG	2.70	2.71	3.40	6.11	24.00	-17.89	
6695	149	AVG	2.71	2.55	4.20	6.91	24.00	-17.09	
6875	185	AVG	2.53	2.55	4.70	7.25	24.00	-16.75	
6895	189	AVG	3.03	3.25	4.70	7.95	24.00	-16.05	
6995	209	AVG	3.01	3.13	4.20	7.33	24.00	-16.67	
7095	229	AVG	3.24	3.15	4.10	7.34	24.00	-16.66	
7115	233	AVG	1.36	1.35	4.10	5.46	24.00	-18.54	

Table 7-10. Antenna 5b 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]								
									5965	3	AVG	6.06	4.20	10.26	24.00	-13.74
									6205	51	AVG	6.14	4.10	10.24	24.00	-13.76
6405	91	AVG	6.25	4.20	10.45	24.00	-13.55									
6445	99	AVG	5.87	4.30	10.17	24.00	-13.83									
6485	107	AVG	5.81	4.30	10.11	24.00	-13.89									
6525	115	AVG	5.59	3.40	8.99	24.00	-15.01									
6565	123	AVG	5.56	3.40	8.96	24.00	-15.04									
6725	155	AVG	5.68	4.10	9.78	24.00	-14.22									
6845	179	AVG	5.74	4.70	10.44	24.00	-13.56									
6885	187	AVG	5.75	4.70	10.45	24.00	-13.55									
6965	203	AVG	6.19	4.20	10.39	24.00	-13.61									
7085	227	AVG	6.08	4.10	10.18	24.00	-13.82									

Table 7-11. Antenna 5b 40MHz 802.11ax(SU) BW (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 50 of 282

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	6.25	4.20	10.45	24.00	-13.55
	6205	51	AVG	6.24	4.10	10.34	24.00	-13.66
	6405	91	AVG	6.22	4.20	10.42	24.00	-13.58
	6445	99	AVG	5.96	4.30	10.26	24.00	-13.74
	6485	107	AVG	5.96	4.30	10.26	24.00	-13.74
	6525	115	AVG	5.56	3.40	8.96	24.00	-15.04
	6565	123	AVG	5.59	3.40	8.99	24.00	-15.01
	6725	155	AVG	5.66	4.10	9.76	24.00	-14.24
	6845	179	AVG	5.65	4.70	10.35	24.00	-13.65
	6885	187	AVG	5.72	4.70	10.42	24.00	-13.58
	6965	203	AVG	6.01	4.20	10.21	24.00	-13.79
	7085	227	AVG	6.22	4.10	10.32	24.00	-13.68

Table 7-12. Antenna 5b 40MHz 802.11ax(SU) BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	6.22	4.20	10.42	24.00	-13.58
	6205	51	AVG	6.14	4.10	10.24	24.00	-13.76
	6405	91	AVG	6.07	4.20	10.27	24.00	-13.73
	6445	99	AVG	5.75	4.30	10.05	24.00	-13.95
	6485	107	AVG	5.89	4.30	10.19	24.00	-13.81
	6525	115	AVG	5.62	3.40	9.02	24.00	-14.98
	6565	123	AVG	5.71	3.40	9.11	24.00	-14.89
	6725	155	AVG	5.64	4.10	9.74	24.00	-14.26
	6845	179	AVG	5.61	4.70	10.31	24.00	-13.69
	6885	187	AVG	5.54	4.70	10.24	24.00	-13.76
	6965	203	AVG	6.11	4.20	10.31	24.00	-13.69
	7085	227	AVG	6.10	4.10	10.20	24.00	-13.80

Table 7-13. Antenna 5b 40MHz 802.11ax(SU) BW (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 51 of 282

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	9.07	4.20	13.27	24.00	-10.73
	6225	55	AVG	9.11	4.10	13.21	24.00	-10.79
	6385	87	AVG	9.25	4.20	13.45	24.00	-10.55
	6465	103	AVG	8.77	4.30	13.07	24.00	-10.93
	6545	119	AVG	8.59	3.40	11.99	24.00	-12.01
	6705	151	AVG	8.57	4.20	12.77	24.00	-11.23
	6865	183	AVG	8.70	4.70	13.40	24.00	-10.60
	6945	199	AVG	9.19	4.20	13.39	24.00	-10.61
	7025	215	AVG	9.05	4.10	13.15	24.00	-10.85

Table 7-14. Antenna 5b 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	8.98	4.20	13.18	24.00	-10.82
	6225	55	AVG	9.06	4.10	13.16	24.00	-10.84
	6385	87	AVG	9.03	4.20	13.23	24.00	-10.77
	6465	103	AVG	8.96	4.30	13.26	24.00	-10.74
	6545	119	AVG	8.70	3.40	12.10	24.00	-11.90
	6625	135	AVG	8.56	4.20	12.76	24.00	-11.24
	6705	151	AVG	8.65	4.20	12.85	24.00	-11.15
	6785	167	AVG	8.51	4.10	12.61	24.00	-11.39
	6865	183	AVG	8.51	4.70	13.21	24.00	-10.79
	6945	199	AVG	9.00	4.20	13.20	24.00	-10.80
	7025	215	AVG	9.04	4.10	13.14	24.00	-10.86

Table 7-15. Antenna 5b 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 52 of 282

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	9.24	4.20	13.44	24.00	-10.56
	6225	55	AVG	9.06	4.10	13.16	24.00	-10.84
	6385	87	AVG	9.16	4.20	13.36	24.00	-10.64
	6465	103	AVG	8.78	4.30	13.08	24.00	-10.92
	6545	119	AVG	8.63	3.40	12.03	24.00	-11.97
	6625	135	AVG	8.67	4.20	12.87	24.00	-11.13
	6705	151	AVG	8.53	4.20	12.73	24.00	-11.27
	6785	167	AVG	8.71	4.10	12.81	24.00	-11.19
	6865	183	AVG	8.74	4.70	13.44	24.00	-10.56
	6945	199	AVG	9.21	4.20	13.41	24.00	-10.59
7025	215	AVG	9.14	4.10	13.24	24.00	-10.76	

Table 7-16. Antenna 5b 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	12.58	3.90	16.48	24.00	-7.52
	6185	47	AVG	13.05	3.90	16.95	24.00	-7.05
	6345	79	AVG	13.23	4.20	17.43	24.00	-6.57
	6505	111	AVG	12.74	3.40	16.14	24.00	-7.86
	6665	143	AVG	12.75	4.20	16.95	24.00	-7.05
	6825	175	AVG	12.63	4.70	17.33	24.00	-6.67
6985	207	AVG	12.69	4.20	16.89	24.00	-7.11	

Table 7-17. Antenna 5b 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	12.63	3.90	16.53	24.00	-7.47
	6185	47	AVG	13.12	3.90	17.02	24.00	-6.98
	6345	79	AVG	13.17	4.20	17.37	24.00	-6.63
	6505	111	AVG	12.61	3.40	16.01	24.00	-7.99
	6665	143	AVG	12.75	4.20	16.95	24.00	-7.05
	6825	175	AVG	12.74	4.70	17.44	24.00	-6.56
6985	207	AVG	12.51	4.20	16.71	24.00	-7.29	

Table 7-18. Antenna 5b 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-21-R1.BCG	Test Dates: 05/27/2022 - 9/12/2022	EUT Type: Tablet Device	Page 53 of 282

5GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	12.69	3.90	16.59	24.00	-7.41
	6185	47	AVG	13.09	3.90	16.99	24.00	-7.01
	6345	79	AVG	13.23	4.20	17.43	24.00	-6.57
	6505	111	AVG	12.67	3.40	16.07	24.00	-7.93
	6665	143	AVG	12.60	4.20	16.80	24.00	-7.20
	6825	175	AVG	12.54	4.70	17.24	24.00	-6.76
	6985	207	AVG	12.72	4.20	16.92	24.00	-7.08

Table 7-19. Antenna 5b 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2205090025-21-R1.BCG	<b>Test Dates:</b> 05/27/2022 - 9/12/2022	<b>EUT Type:</b> Tablet Device	Page 54 of 282

### 7.3.2 Antenna 4a Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
				5955	1				
6175	45	AVG	3.10	3.12	-0.60	2.52	24.00	-21.48	
6415	93	AVG	3.17	3.24	1.20	4.44	24.00	-19.56	
6435	97	AVG	2.90	2.96	1.20	4.16	24.00	-19.84	
6475	105	AVG	2.80	3.00	1.20	4.20	24.00	-19.80	
6515	113	AVG	3.00	2.93	-0.30	2.70	24.00	-21.30	
6535	117	AVG	2.48	2.40	-0.30	2.18	24.00	-21.82	
6695	149	AVG	2.62	2.47	-1.60	1.02	24.00	-22.98	
6875	185	AVG	2.48	2.53	-2.40	0.13	24.00	-23.87	
6895	189	AVG	3.06	3.00	-2.40	0.66	24.00	-23.34	
6995	209	AVG	3.06	3.02	-3.30	-0.24	24.00	-24.24	
7095	229	AVG	2.92	2.67	-4.90	-1.98	24.00	-25.98	
7115	233	AVG	2.47	2.03	-4.90	-2.43	24.00	-26.43	

Table 7-20. Antenna 4a 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
				5955	1				
6175	45	AVG	3.09	3.00	-0.60	2.49	24.00	-21.51	
6415	93	AVG	3.02	3.17	1.20	4.37	24.00	-19.63	
6435	97	AVG	2.96	2.98	1.20	4.18	24.00	-19.82	
6475	105	AVG	2.78	2.80	1.20	4.00	24.00	-20.00	
6515	113	AVG	3.00	2.98	-0.30	2.70	24.00	-21.30	
6535	117	AVG	2.57	2.71	-0.30	2.41	24.00	-21.59	
6695	149	AVG	2.51	2.75	-1.60	1.15	24.00	-22.85	
6875	185	AVG	2.69	2.69	-2.40	0.29	24.00	-23.71	
6895	189	AVG	3.21	3.11	-2.40	0.81	24.00	-23.19	
6995	209	AVG	3.08	3.04	-3.30	-0.22	24.00	-24.22	
7095	229	AVG	2.73	3.25	-4.90	-1.65	24.00	-25.65	
7115	233	AVG	1.73	1.55	-4.90	-3.17	24.00	-27.17	

Table 7-21. Antenna 4a 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
				5955	1				
6175	45	AVG	3.11	3.18	-0.60	2.58	24.00	-21.42	
6415	93	AVG	3.10	3.13	1.20	4.33	24.00	-19.67	
6435	97	AVG	2.75	2.95	1.20	4.15	24.00	-19.85	
6475	105	AVG	2.97	2.76	1.20	4.17	24.00	-19.83	
6515	113	AVG	2.86	2.86	-0.30	2.56	24.00	-21.44	
6535	117	AVG	2.57	2.61	-0.30	2.31	24.00	-21.69	
6695	149	AVG	2.56	2.51	-1.60	0.96	24.00	-23.04	
6875	185	AVG	2.59	2.66	-2.40	0.26	24.00	-23.74	
6895	189	AVG	3.06	3.25	-2.40	0.85	24.00	-23.15	
6995	209	AVG	3.04	3.04	-3.30	-0.26	24.00	-24.26	
7095	229	AVG	3.01	3.03	-4.90	-1.87	24.00	-25.87	
7115	233	AVG	1.30	1.42	-4.90	-3.48	24.00	-27.48	

Table 7-22. Antenna 4a 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]								
									5965	3	AVG	6.04	-0.70	5.34	24.00	-18.66
									6205	51	AVG	6.15	0.60	6.75	24.00	-17.25
6405	91	AVG	6.02	1.00	7.02	24.00	-16.98									
6445	99	AVG	6.00	1.20	7.20	24.00	-16.80									
6485	107	AVG	5.95	1.20	7.15	24.00	-16.85									
6525	115	AVG	5.51	-0.30	5.21	24.00	-18.79									
6565	123	AVG	5.58	-0.30	5.28	24.00	-18.72									
6725	155	AVG	5.66	-1.50	4.16	24.00	-19.84									
6845	179	AVG	5.52	-2.40	3.12	24.00	-20.88									
6885	187	AVG	5.47	-2.40	3.07	24.00	-20.93									
6965	203	AVG	5.96	-3.30	2.66	24.00	-21.34									
7085	227	AVG	6.25	-4.90	1.35	24.00	-22.65									

Table 7-23. Antenna 4a 40MHz 802.11ax(SU) BW (UNII) Maximum Conducted Output Power (Low Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	5.95	-0.70	5.25	24.00	-18.75
	6205	51	AVG	6.18	0.60	6.78	24.00	-17.22
	6405	91	AVG	6.14	1.00	7.14	24.00	-16.86
	6445	99	AVG	5.88	1.20	7.08	24.00	-16.92
	6485	107	AVG	5.92	1.20	7.12	24.00	-16.88
	6525	115	AVG	5.51	-0.30	5.21	24.00	-18.79
	6565	123	AVG	5.58	-0.30	5.28	24.00	-18.72
	6725	155	AVG	5.70	-1.50	4.20	24.00	-19.80
	6845	179	AVG	5.66	-2.40	3.26	24.00	-20.74
	6885	187	AVG	5.69	-2.40	3.29	24.00	-20.71
	6965	203	AVG	6.10	-3.30	2.80	24.00	-21.20
	7085	227	AVG	6.20	-4.90	1.30	24.00	-22.70

Table 7-24. Antenna 4a 40MHz 802.11ax(SU) BW (UNII) Maximum Conducted Output Power (Mid Data Rate)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	6.21	-0.70	5.51	24.00	-18.49
	6205	51	AVG	6.19	0.60	6.79	24.00	-17.21
	6405	91	AVG	6.18	1.00	7.18	24.00	-16.82
	6445	99	AVG	5.85	1.20	7.05	24.00	-16.95
	6485	107	AVG	5.97	1.20	7.17	24.00	-16.83
	6525	115	AVG	5.53	-0.30	5.23	24.00	-18.77
	6565	123	AVG	5.56	-0.30	5.26	24.00	-18.74
	6725	155	AVG	5.66	-1.50	4.16	24.00	-19.84
	6845	179	AVG	5.75	-2.40	3.35	24.00	-20.65
	6885	187	AVG	5.73	-2.40	3.33	24.00	-20.67
	6965	203	AVG	6.23	-3.30	2.93	24.00	-21.07
	7085	227	AVG	6.20	-4.90	1.30	24.00	-22.70

Table 7-25. Antenna 4a 40MHz 802.11ax(SU) BW (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	9.05	-0.70	8.35	24.00	-15.65
	6225	55	AVG	9.21	0.60	9.81	24.00	-14.19
	6385	87	AVG	9.01	1.00	10.01	24.00	-13.99
	6465	103	AVG	8.92	1.20	10.12	24.00	-13.88
	6545	119	AVG	8.56	-0.30	8.26	24.00	-15.74
	6705	151	AVG	8.59	-1.60	6.99	24.00	-17.01
	6865	183	AVG	8.50	-2.40	6.10	24.00	-17.90
	6945	199	AVG	9.24	-3.30	5.94	24.00	-18.06
	7025	215	AVG	9.19	-4.90	4.29	24.00	-19.71

Table 7-26. Antenna 4a 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	9.08	-0.70	8.38	24.00	-15.62
	6225	55	AVG	9.03	0.60	9.63	24.00	-14.37
	6385	87	AVG	9.08	1.00	10.08	24.00	-13.92
	6465	103	AVG	8.98	1.20	10.18	24.00	-13.82
	6545	119	AVG	8.52	-0.30	8.22	24.00	-15.78
	6625	135	AVG	8.53	-1.60	6.93	24.00	-17.07
	6705	151	AVG	8.74	-1.60	7.14	24.00	-16.86
	6785	167	AVG	8.50	-1.50	7.00	24.00	-17.00
	6865	183	AVG	8.54	-2.40	6.14	24.00	-17.86
	6945	199	AVG	9.04	-3.30	5.74	24.00	-18.26
7025	215	AVG	9.18	-4.90	4.28	24.00	-19.72	

Table 7-27. Antenna 4a 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	9.10	-0.70	8.40	24.00	-15.60
	6225	55	AVG	9.05	0.60	9.65	24.00	-14.35
	6385	87	AVG	9.00	1.00	10.00	24.00	-14.00
	6465	103	AVG	8.98	1.20	10.18	24.00	-13.82
	6545	119	AVG	8.66	-0.30	8.36	24.00	-15.64
	6625	135	AVG	8.57	-1.60	6.97	24.00	-17.03
	6705	151	AVG	8.58	-1.60	6.98	24.00	-17.02
	6785	167	AVG	8.54	-1.50	7.04	24.00	-16.96
	6865	183	AVG	8.54	-2.40	6.14	24.00	-17.86
	6945	199	AVG	9.24	-3.30	5.94	24.00	-18.06
	7025	215	AVG	9.21	-4.90	4.31	24.00	-19.69

Table 7-28. Antenna 4a 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

5GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	12.71	-0.90	11.81	24.00	-12.19
	6185	47	AVG	13.24	-0.60	12.64	24.00	-11.36
	6345	79	AVG	13.14	1.00	14.14	24.00	-9.86
	6505	111	AVG	12.59	-0.30	12.29	24.00	-11.71
	6665	143	AVG	12.57	-1.60	10.97	24.00	-13.03
	6825	175	AVG	12.50	-2.40	10.10	24.00	-13.90
	6985	207	AVG	12.71	-3.30	9.41	24.00	-14.59

Table 7-29. Antenna 4a 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Low Data Rate)

5GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	12.72	-0.90	11.82	24.00	-12.18
	6185	47	AVG	13.11	-0.60	12.51	24.00	-11.49
	6345	79	AVG	13.16	1.00	14.16	24.00	-9.84
	6505	111	AVG	12.68	-0.30	12.38	24.00	-11.62
	6665	143	AVG	12.64	-1.60	11.04	24.00	-12.96
	6825	175	AVG	12.59	-2.40	10.19	24.00	-13.81
	6985	207	AVG	12.66	-3.30	9.36	24.00	-14.64

Table 7-30. Antenna 4a 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (Mid Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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5GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	12.66	-0.90	11.76	24.00	-12.24
	6185	47	AVG	13.07	-0.60	12.47	24.00	-11.53
	6345	79	AVG	13.19	1.00	14.19	24.00	-9.81
	6505	111	AVG	12.73	-0.30	12.43	24.00	-11.57
	6665	143	AVG	12.67	-1.60	11.07	24.00	-12.93
	6825	175	AVG	12.59	-2.40	10.19	24.00	-13.81
	6985	207	AVG	12.62	-3.30	9.32	24.00	-14.68

Table 7-31. Antenna 4a 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power (High Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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