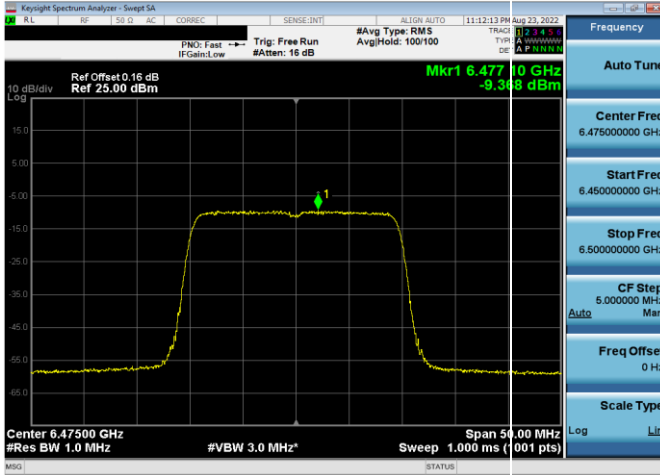
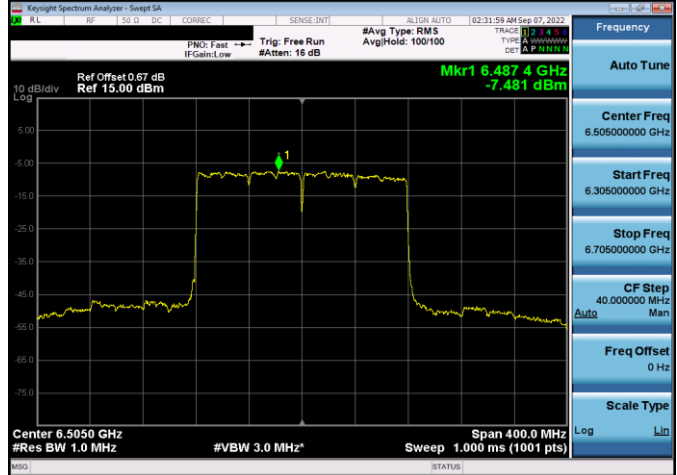
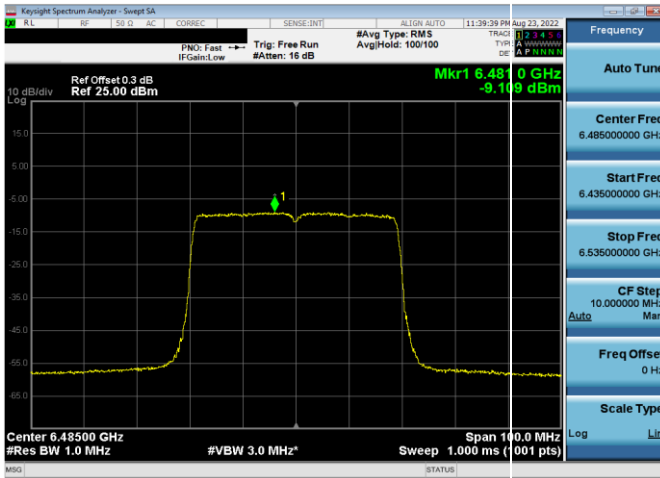




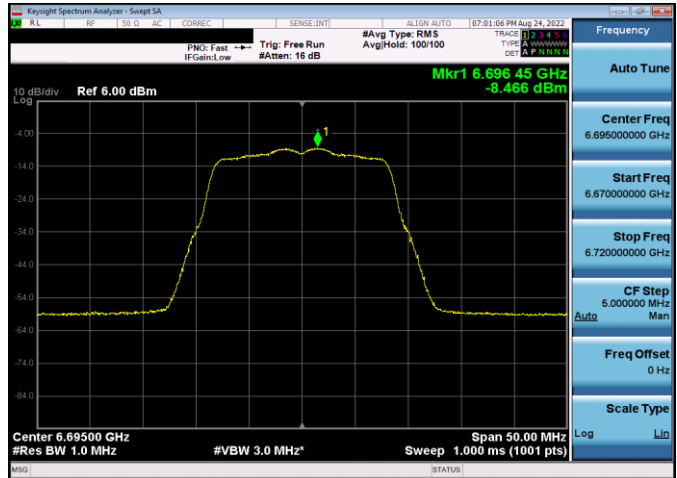
Plot 7-127. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS2)



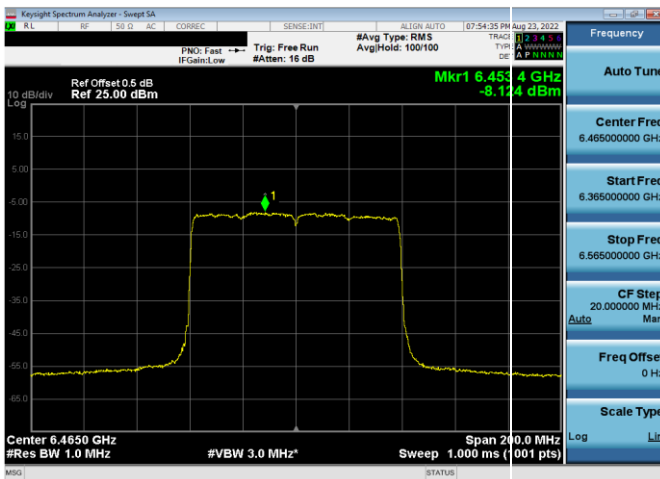
Plot 7-130. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS2)



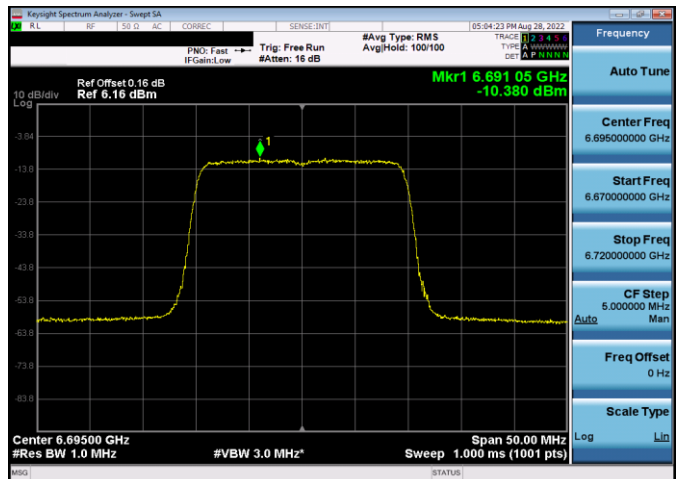
Plot 7-128. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS2)



Plot 7-131. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 7) – Ch. 149, 12Mbps)

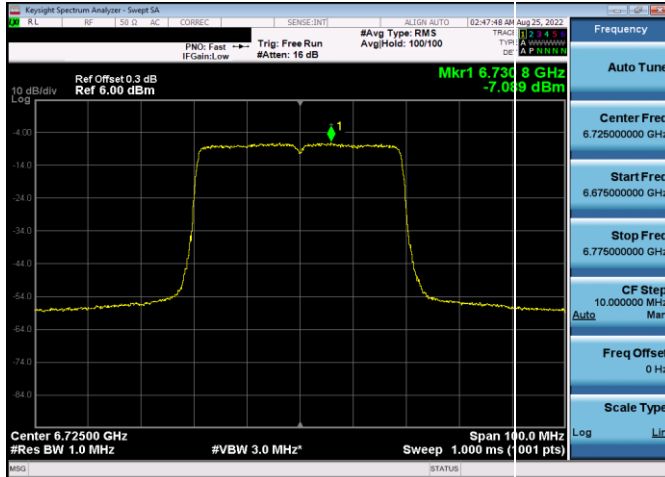


Plot 7-129. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS2)

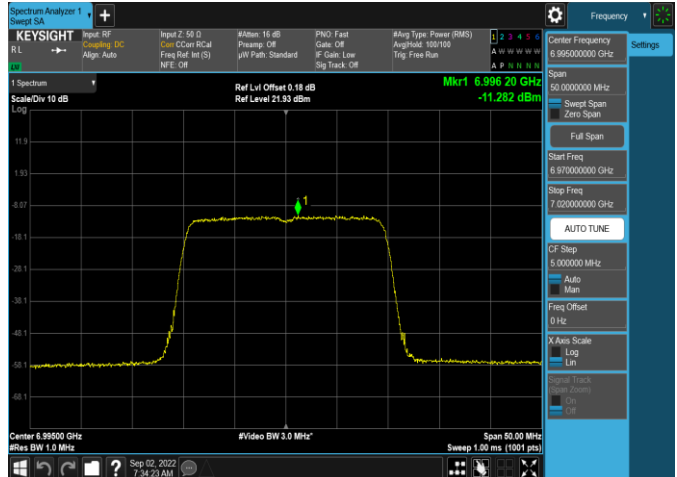


Plot 7-132. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS2)

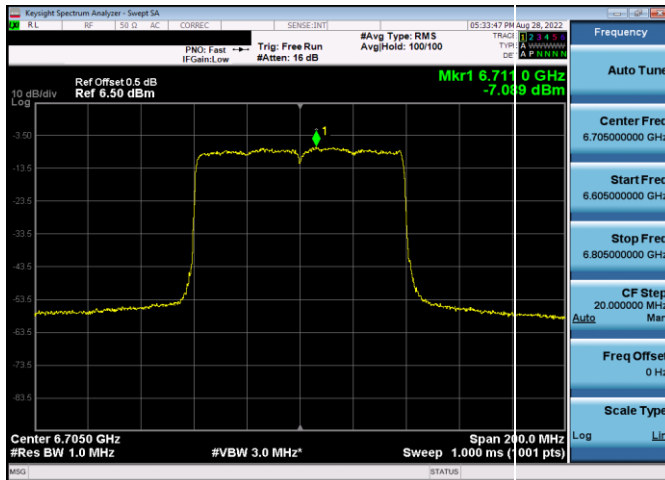
|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022 | EUT Type:<br>Tablet Device            | Page 71 of 282                    |



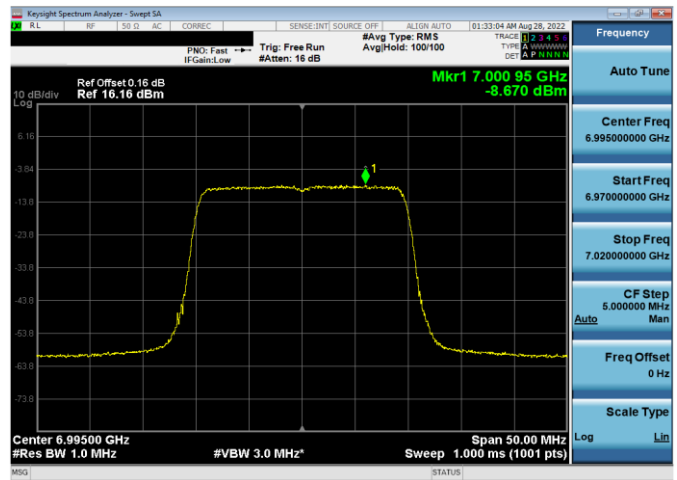
Plot 7-133. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS2)



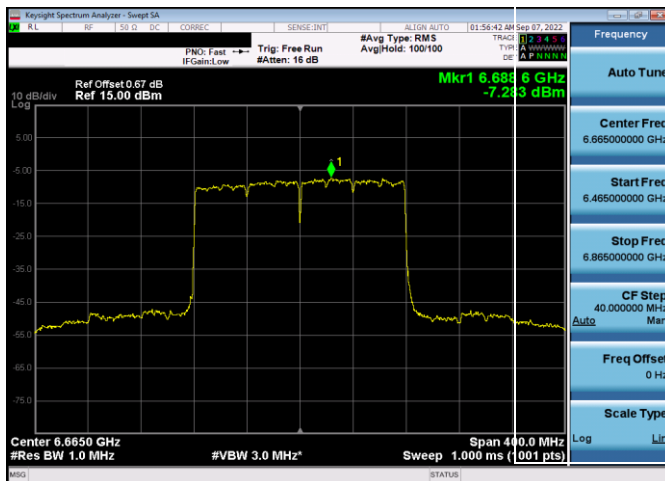
Plot 7-136. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 8) – Ch. 209, 12Mbps)



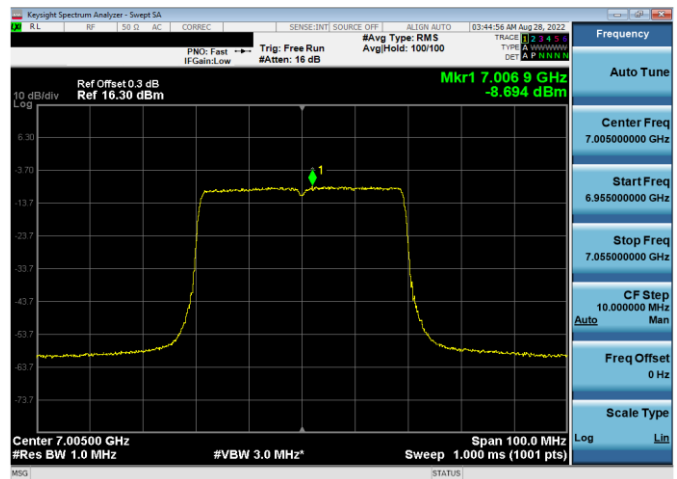
Plot 7-134. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS2)



Plot 7-137. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS2)

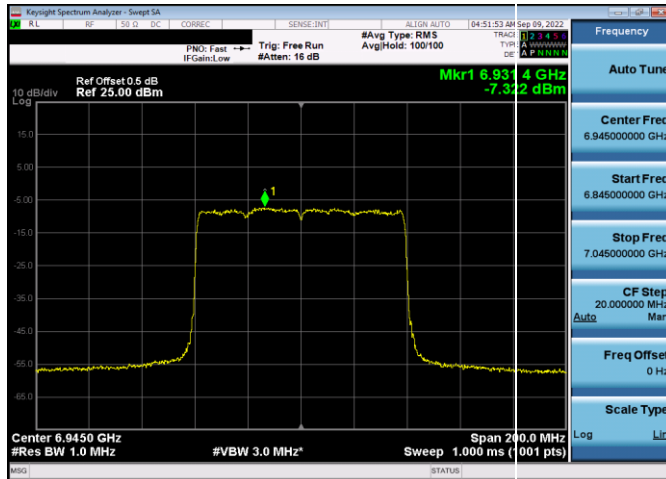


Plot 7-135. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS2)

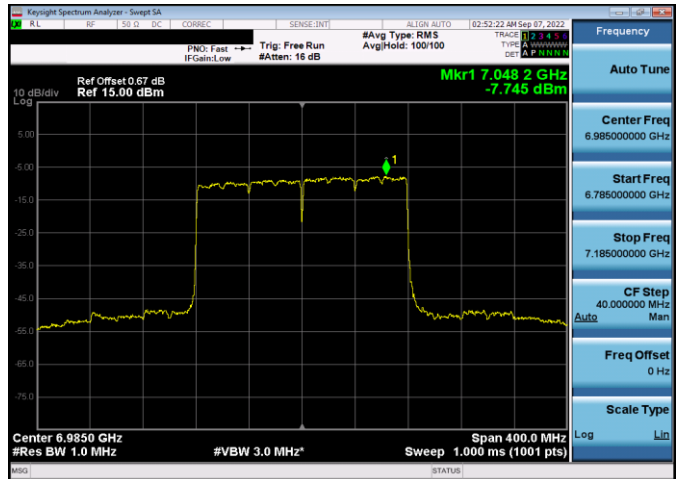


Plot 7-138. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS2)

|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022 | EUT Type:<br>Tablet Device            | Page 72 of 282                    |



Plot 7-139. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS2)

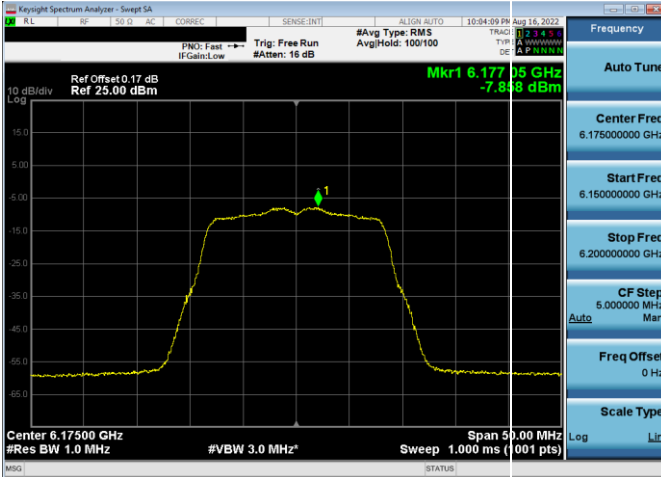


Plot 7-140. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS2)

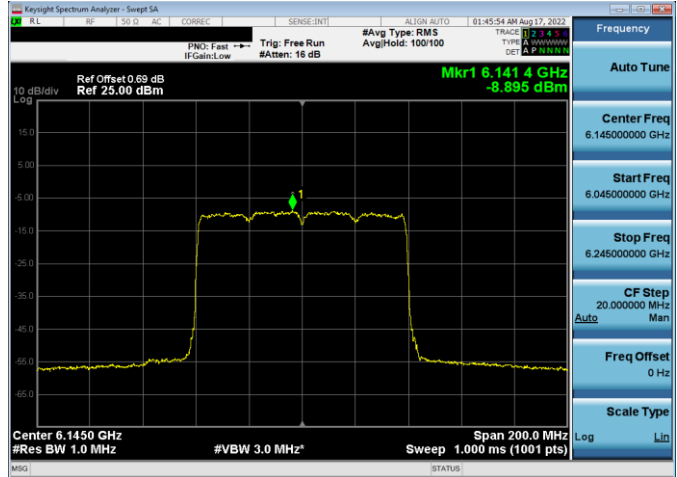
|                                            |                                                                                     |                            |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         |  |                            | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022                                               | EUT Type:<br>Tablet Device |                                       | Page 73 of 282                    |

V 10.5 12/15/2021

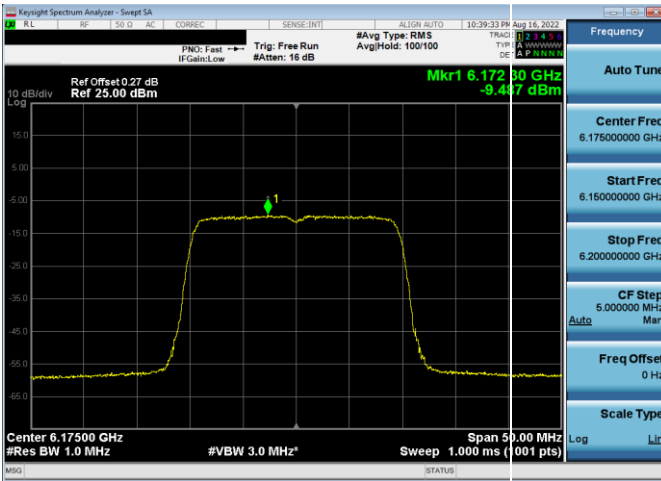
## Mid Data Rate



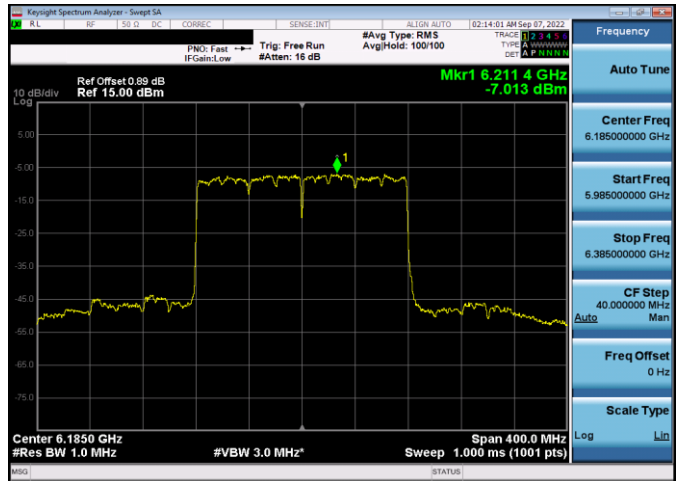
Plot 7-141. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 5) – Ch. 45, 24Mbps)



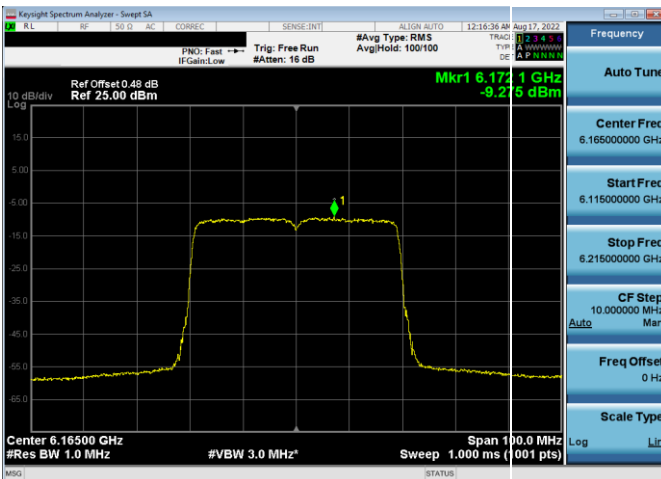
Plot 7-144. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS4)



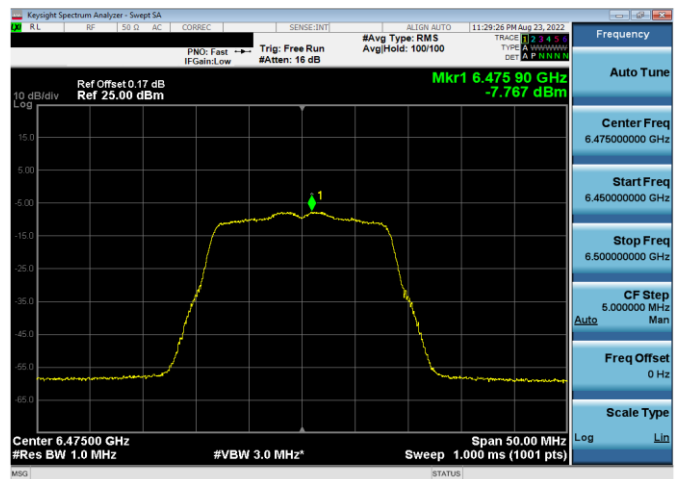
Plot 7-142. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS4)



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



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

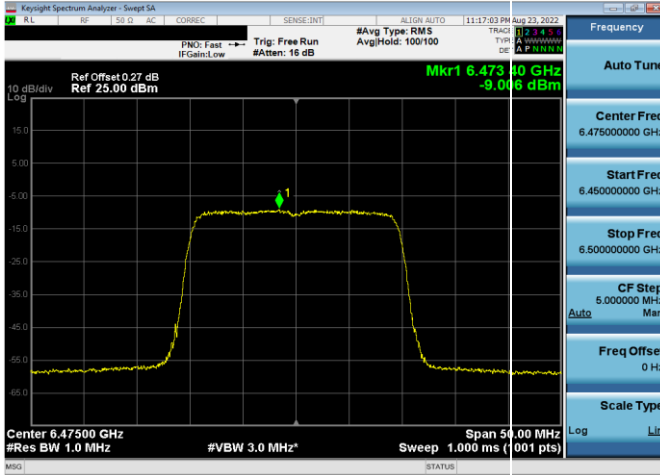


Plot 7-146. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 6) – Ch. 105, 24Mbps)

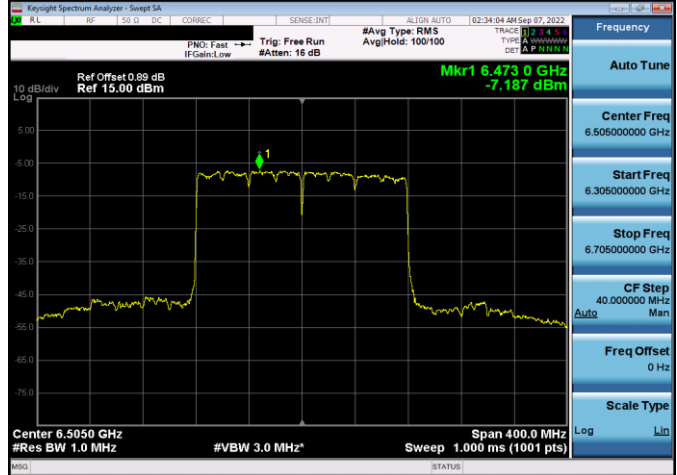
|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         |                                       | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022 | EUT Type:<br>Tablet Device            | Page 74 of 282                    |

V 10.5 12/15/2021

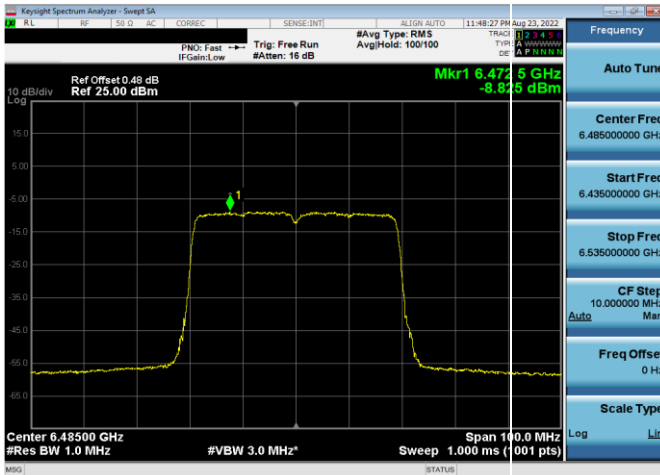
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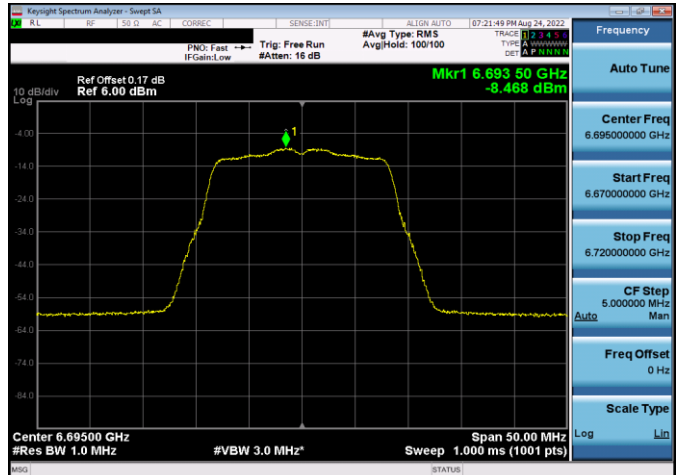
Plot 7-147. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS4)



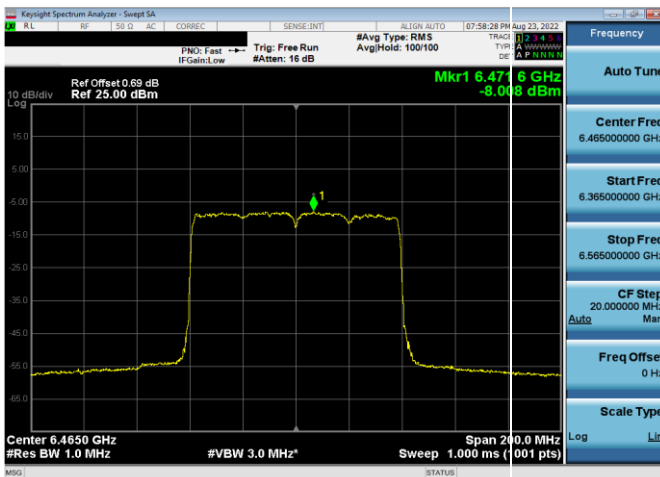
Plot 7-150. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS4)



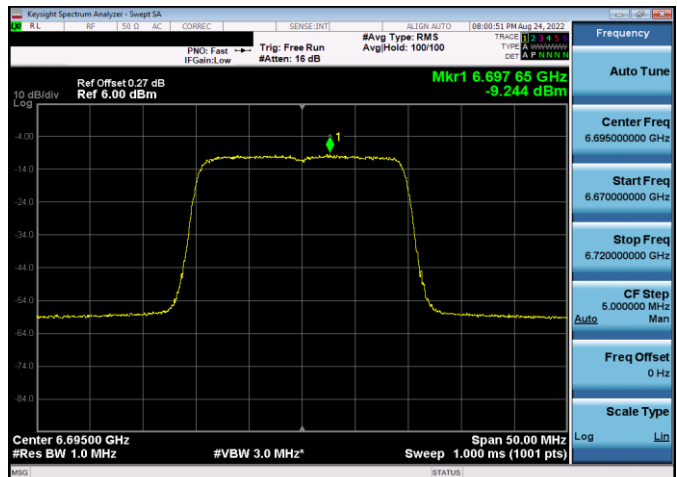
Plot 7-148. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS4)



Plot 7-151. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 7) – Ch. 149, 24Mbps)

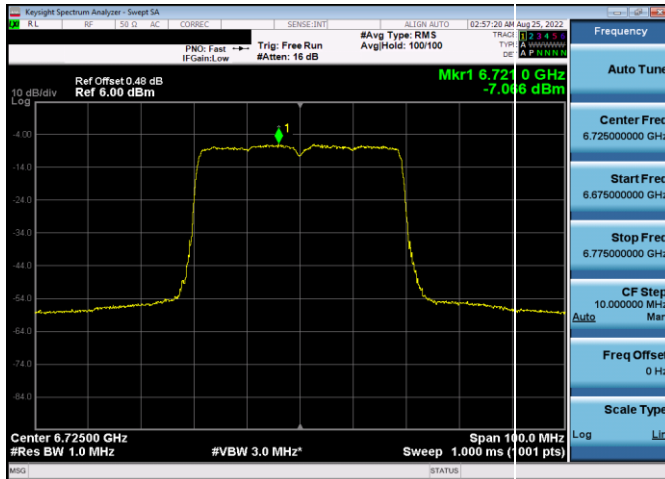


Plot 7-149. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS4)

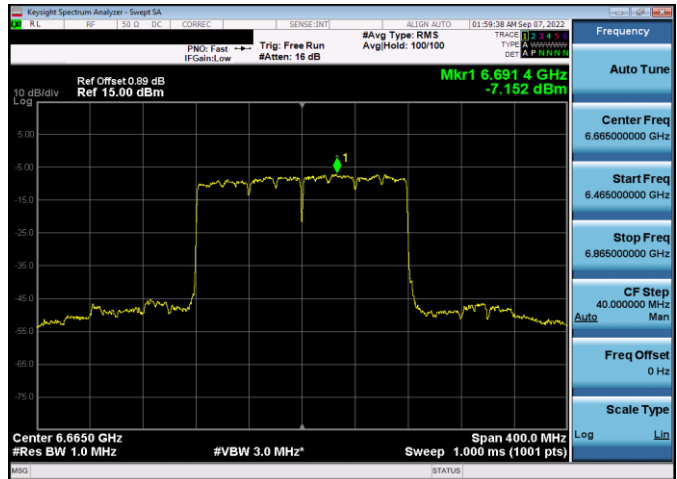


Plot 7-152. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS4)

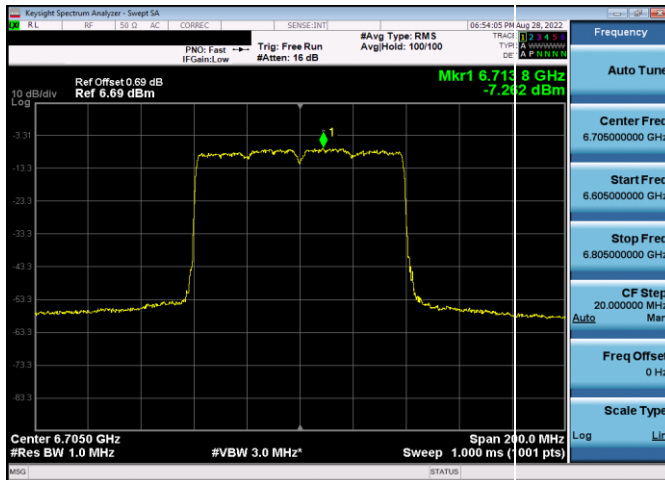
|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022 | EUT Type:<br>Tablet Device            | Page 75 of 282                    |



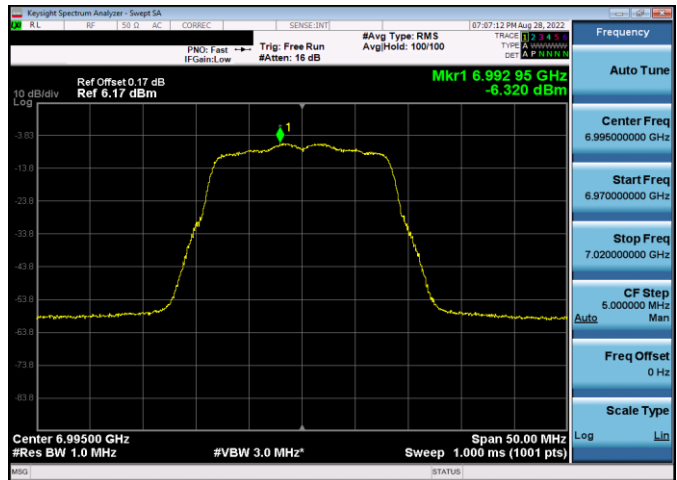
Plot 7-153. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS4)



Plot 7-155. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS4)



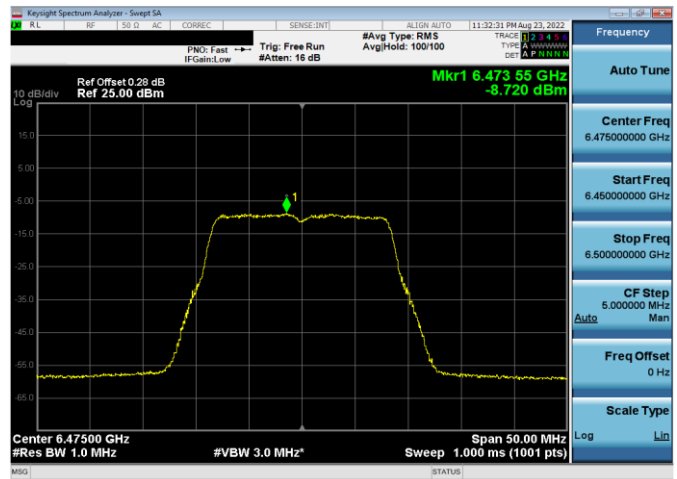
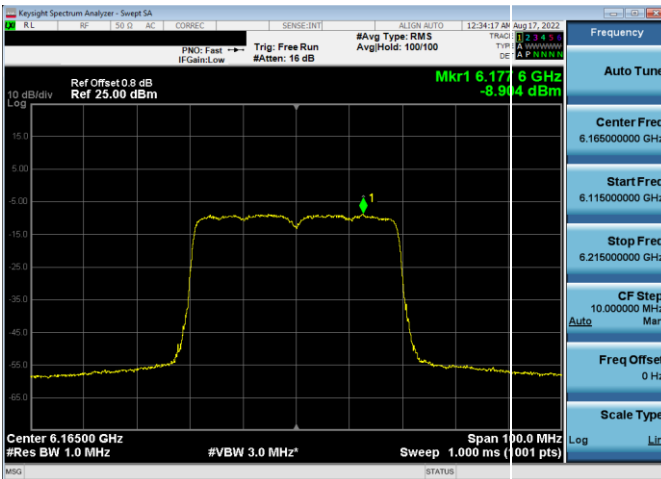
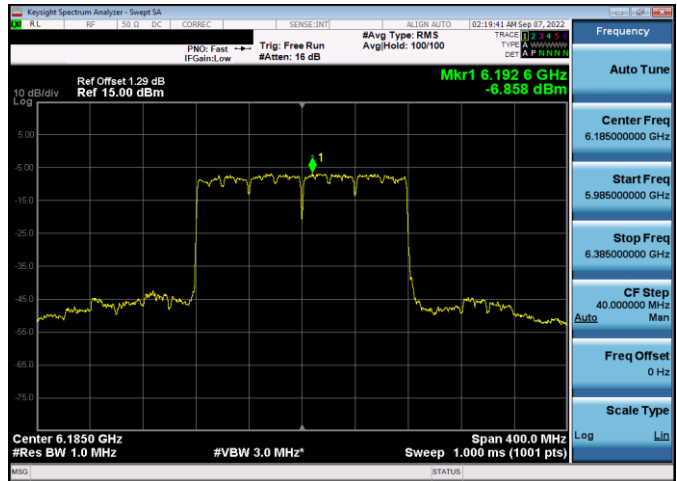
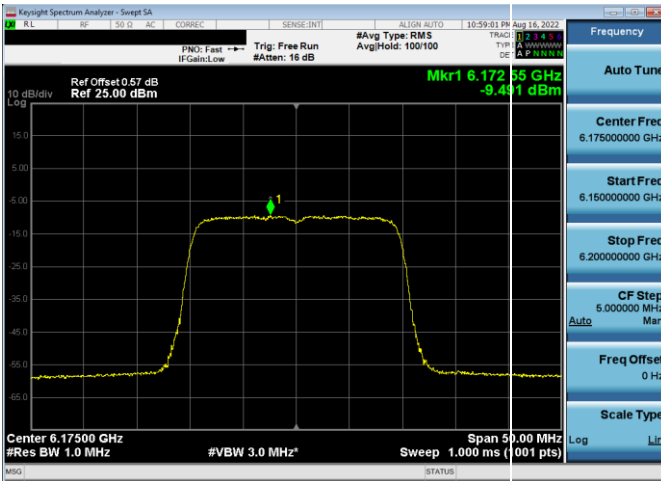
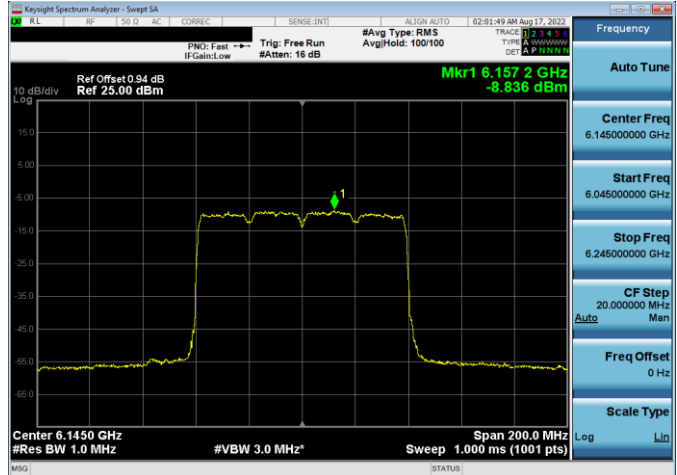
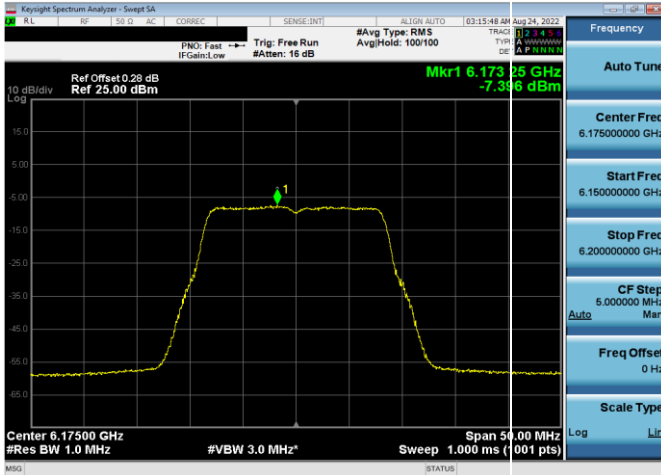
Plot 7-154. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS4)



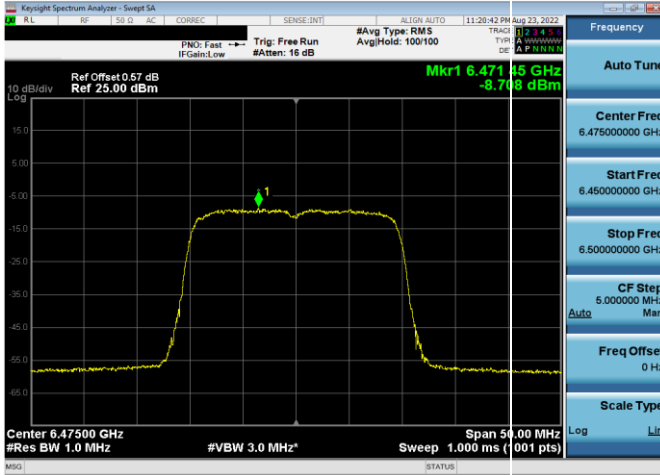
Plot 7-156. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 8) – Ch. 209, 24Mbps)

|                                            |                                                                                                                           |                            |                                   |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         |  MEASUREMENT REPORT<br>(CERTIFICATION) |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022                                                                                     | EUT Type:<br>Tablet Device | Page 76 of 282                    |

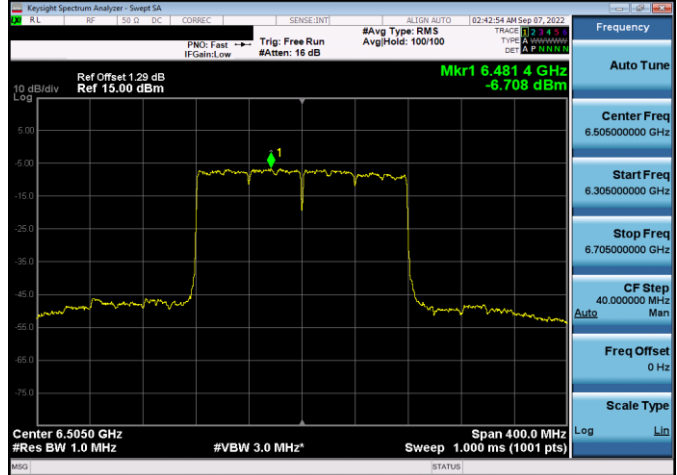
## High Data Rate



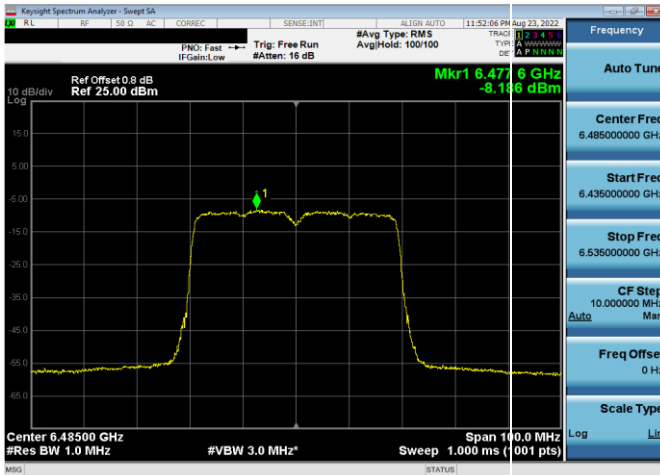
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022                                               | EUT Type:<br>Tablet Device            | Page 77 of 282                    |



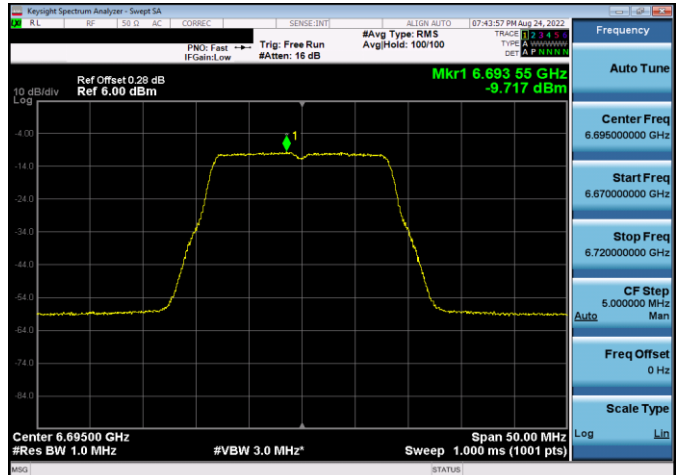
Plot 7-163. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS11)



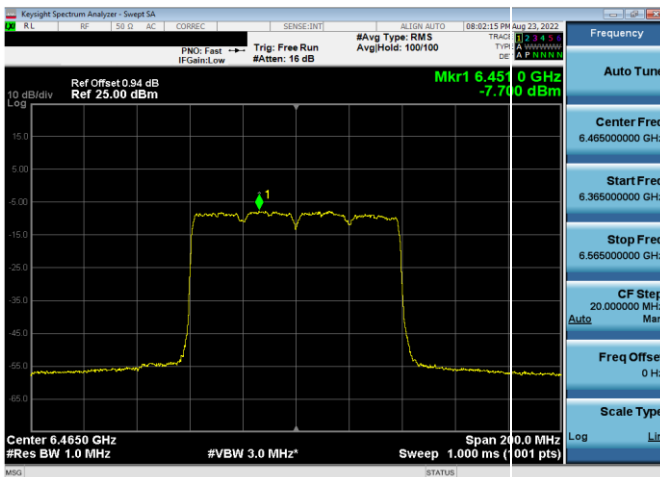
Plot 7-166. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS11)



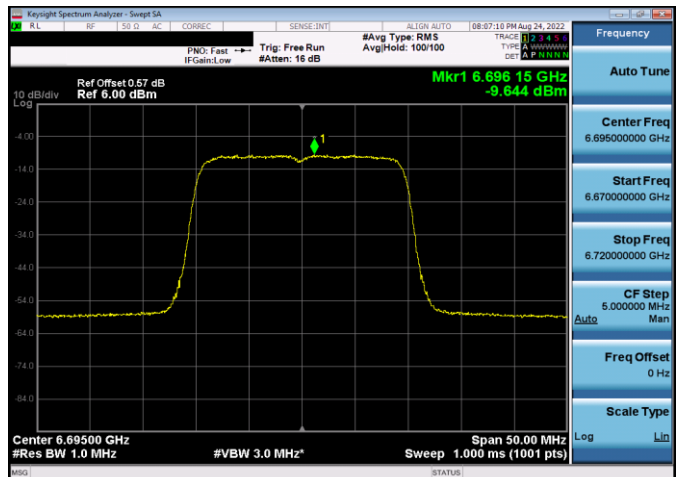
Plot 7-164. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS11)



Plot 7-167. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 7) – Ch. 149, 54Mbps)

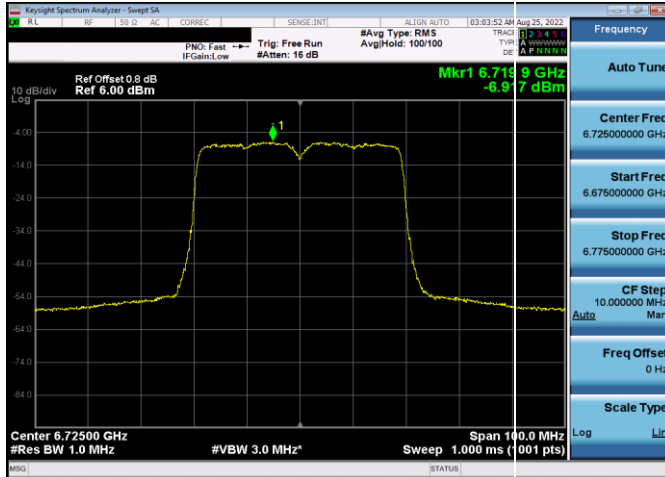


Plot 7-165. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS11)

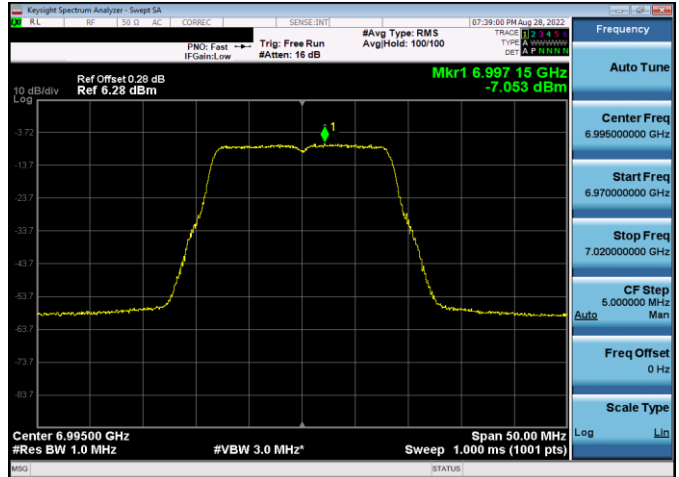


Plot 7-168. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS11)

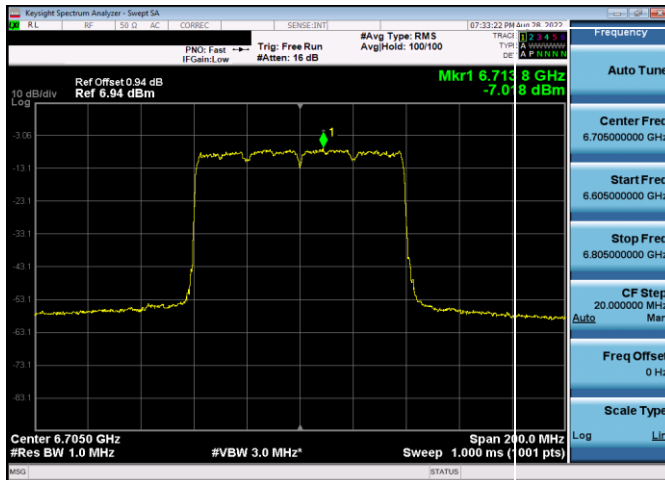
|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022 | EUT Type:<br>Tablet Device            | Page 78 of 282                    |



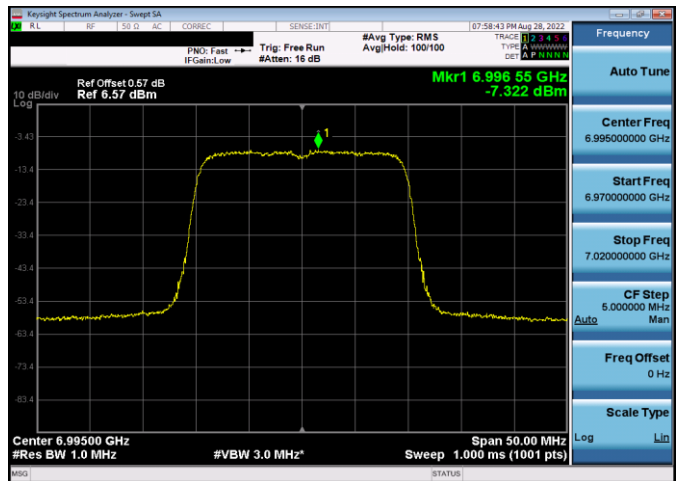
Plot 7-169. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS11)



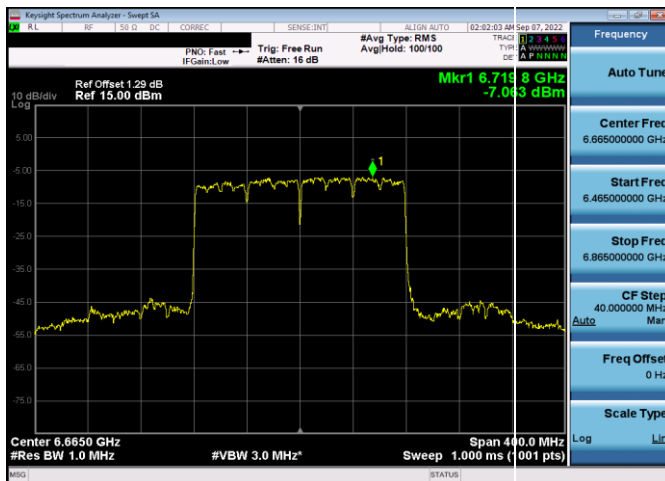
Plot 7-172. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 8) – Ch. 209, 54Mbps)



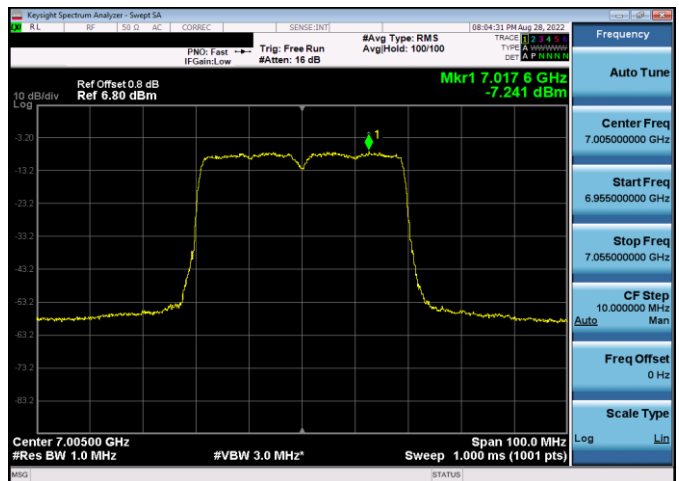
Plot 7-170. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS11)



Plot 7-173. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS11)

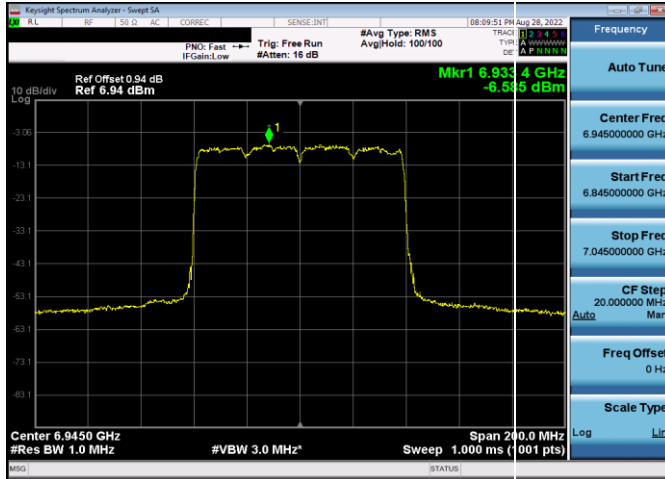


Plot 7-171. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS11)

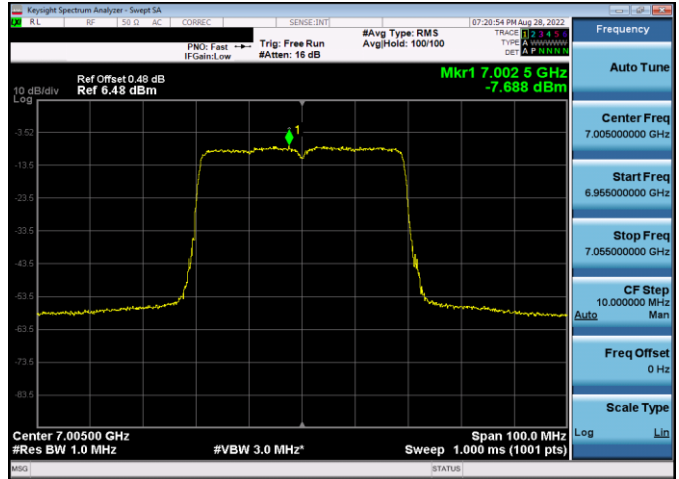


Plot 7-174. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS11)

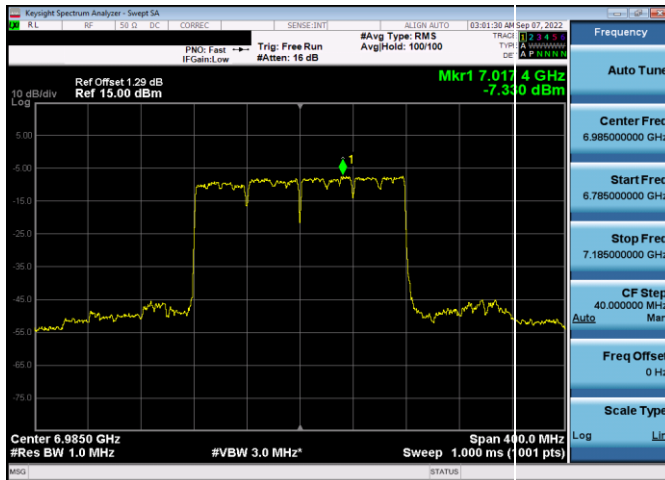
|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022 | EUT Type:<br>Tablet Device            | Page 79 of 282                    |



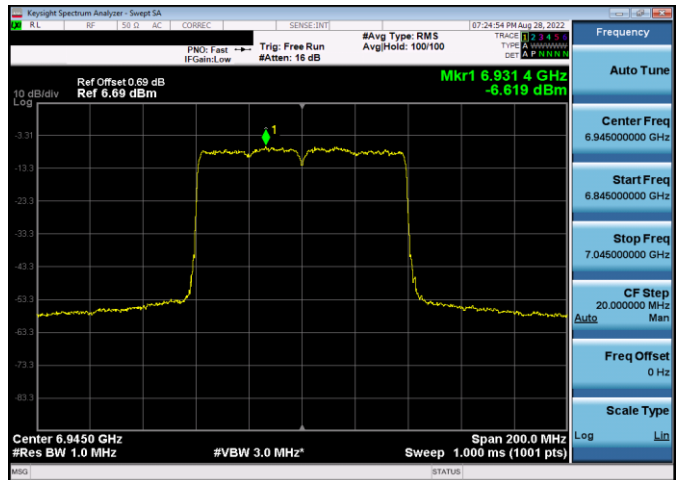
Plot 7-175. Power Spectral Density Plot Antenna 5b (80MHz) 802.11ax (UNII Band 8) – Ch. 199, MCS11)



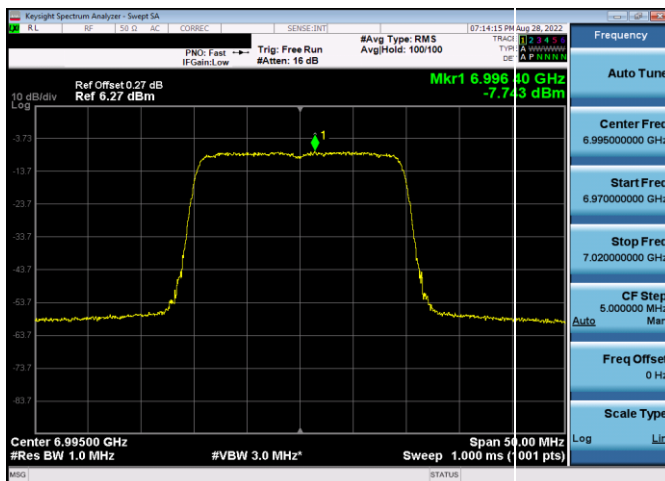
Plot 7-178. Power Spectral Density Plot Antenna 5b (40MHz) 802.11ax (UNII Band 8) – Ch. 211, MCS11)



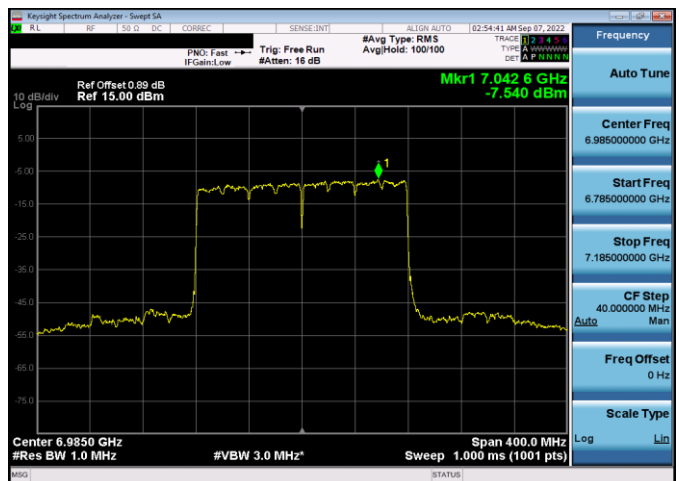
Plot 7-176. Power Spectral Density Plot Antenna 5b (160MHz) 802.11ax (UNII Band 8) – Ch. 207, MCS11)



Plot 7-179. Power Spectral Density Plot Antenna 5b (80MHz) 802.11ax (UNII Band 8) – Ch. 199, MCS11)



Plot 7-177. Power Spectral Density Plot Antenna 5b (20MHz) 802.11ax (UNII Band 8) – Ch. 209, MCS11)



Plot 7-180. Power Spectral Density Plot Antenna 5b (160MHz) 802.11ax (UNII Band 8) – Ch. 207, MCS11)

|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022 | EUT Type:<br>Tablet Device            | Page 80 of 282                    |

## 7.4.2 Antenna 4a Power Spectral Density Measurements

|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [MHz]    | 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                 | -7.84                            | -0.70              | -8.54                     | -1                         | -7.54       |
|        | 6175            | 45          | a           | 12                 | -7.46                            | -0.60              | -8.06                     | -1                         | -7.06       |
|        | 6415            | 93          | a           | 12                 | -7.44                            | 1.20               | -6.24                     | -1                         | -5.24       |
|        | 5955            | 1           | ax (20MHz)  | 24/25.8 (MCS2)     | -9.33                            | -0.70              | -10.03                    | -1                         | -9.03       |
|        | 6175            | 45          | ax (20MHz)  | 24/25.8 (MCS2)     | -8.89                            | -0.60              | -9.49                     | -1                         | -8.49       |
|        | 6415            | 93          | ax (20MHz)  | 24/25.8 (MCS2)     | -9.09                            | 1.20               | -7.89                     | -1                         | -6.89       |
|        | 5965            | 3           | ax (40MHz)  | 49/51.6 (MCS2)     | -8.49                            | -0.70              | -9.19                     | -1                         | -8.19       |
|        | 6165            | 43          | ax (40MHz)  | 49/51.6 (MCS2)     | -8.28                            | -0.60              | -8.88                     | -1                         | -7.88       |
|        | 6405            | 91          | ax (40MHz)  | 49/51.6 (MCS2)     | -8.70                            | 1.00               | -7.70                     | -1                         | -6.70       |
|        | 5985            | 7           | ax (80MHz)  | 102/108.1 (MCS2)   | -8.33                            | -0.70              | -9.03                     | -1                         | -8.03       |
|        | 6145            | 39          | ax (80MHz)  | 102/108.1 (MCS2)   | -8.29                            | -0.60              | -8.89                     | -1                         | -7.89       |
|        | 6385            | 87          | ax (80MHz)  | 102/108.1 (MCS2)   | -8.43                            | 1.00               | -7.43                     | -1                         | -6.43       |
|        | 6025            | 15          | ax (160MHz) | 183.8/216.2 (MCS2) | -8.04                            | -0.90              | -8.94                     | -1                         | -7.94       |
|        | 6185            | 47          | ax (160MHz) | 183.8/216.2 (MCS2) | -8.00                            | -0.60              | -8.60                     | -1                         | -7.60       |
| Band 6 | 6345            | 79          | ax (160MHz) | 183.8/216.2 (MCS2) | -7.87                            | 1.00               | -6.87                     | -1                         | -5.87       |
|        | 6435            | 97          | a           | 12                 | -7.77                            | 1.20               | -6.57                     | -1                         | -5.57       |
|        | 6475            | 105         | a           | 12                 | -7.69                            | 1.20               | -6.49                     | -1                         | -5.49       |
|        | 6515            | 113         | a           | 12                 | -7.94                            | -0.30              | -8.24                     | -1                         | -7.24       |
|        | 6435            | 97          | ax (20MHz)  | 24/25.8 (MCS2)     | -9.27                            | 1.20               | -8.07                     | -1                         | -7.07       |
|        | 6475            | 105         | ax (20MHz)  | 24/25.8 (MCS2)     | -9.38                            | 1.20               | -8.18                     | -1                         | -7.18       |
|        | 6515            | 113         | ax (20MHz)  | 24/25.8 (MCS2)     | -9.42                            | -0.30              | -9.72                     | -1                         | -8.72       |
|        | 6445            | 99          | ax (40MHz)  | 49/51.6 (MCS2)     | -8.69                            | 1.20               | -7.49                     | -1                         | -6.49       |
|        | 6485            | 107         | ax (40MHz)  | 49/51.6 (MCS2)     | -8.67                            | 1.20               | -7.47                     | -1                         | -6.47       |
|        | 6525            | 115         | ax (40MHz)  | 49/51.6 (MCS2)     | -8.66                            | -0.30              | -8.96                     | -1                         | -7.96       |
| Band 7 | 6465            | 103         | ax (80MHz)  | 102/108.1 (MCS2)   | -8.93                            | 1.20               | -7.73                     | -1                         | -6.73       |
|        | 6505            | 111         | ax (160MHz) | 183.8/216.2 (MCS2) | -8.00                            | -0.30              | -8.30                     | -1                         | -7.30       |
|        | 6535            | 117         | a           | 12                 | -8.87                            | -0.30              | -9.17                     | -1                         | -8.17       |
|        | 6695            | 149         | a           | 12                 | -9.58                            | -1.60              | -11.18                    | -1                         | -10.18      |
|        | 6875            | 185         | a           | 12                 | -8.94                            | -2.40              | -11.34                    | -1                         | -10.34      |
|        | 6535            | 117         | ax (20MHz)  | 24/25.8 (MCS2)     | -10.78                           | -0.30              | -11.08                    | -1                         | -10.08      |
|        | 6695            | 149         | ax (20MHz)  | 24/25.8 (MCS2)     | -9.85                            | -1.60              | -11.45                    | -1                         | -10.45      |
|        | 6875            | 185         | ax (20MHz)  | 24/25.8 (MCS2)     | -10.23                           | -2.40              | -12.63                    | -1                         | -11.63      |
|        | 6565            | 123         | ax (40MHz)  | 49/51.6 (MCS2)     | -8.33                            | -0.30              | -8.63                     | -1                         | -7.63       |
|        | 6725            | 155         | ax (40MHz)  | 49/51.6 (MCS2)     | -7.99                            | -1.50              | -9.49                     | -1                         | -8.49       |
|        | 6845            | 179         | ax (40MHz)  | 49/51.6 (MCS2)     | -8.22                            | -2.40              | -10.62                    | -1                         | -9.62       |
|        | 6545            | 119         | ax (80MHz)  | 102/108.1 (MCS2)   | -7.89                            | -0.30              | -8.19                     | -1                         | -7.19       |
|        | 6705            | 151         | ax (80MHz)  | 102/108.1 (MCS2)   | -8.08                            | -1.60              | -9.68                     | -1                         | -8.68       |
|        | 6865            | 183         | ax (80MHz)  | 102/108.1 (MCS2)   | -7.71                            | -2.40              | -10.11                    | -1                         | -9.11       |
| Band 8 | 6665            | 143         | ax (160MHz) | 183.8/216.2 (MCS2) | -8.50                            | -1.60              | -10.10                    | -1                         | -9.10       |
|        | 6825            | 175         | ax (160MHz) | 183.8/216.2 (MCS2) | -8.55                            | -2.40              | -10.95                    | -1                         | -9.95       |
|        | 6895            | 189         | a           | 12                 | -6.15                            | -2.40              | -8.55                     | -1                         | -7.55       |
|        | 6995            | 209         | a           | 12                 | -6.44                            | -3.30              | -9.74                     | -1                         | -8.74       |
|        | 7115            | 233         | a           | 12                 | -8.46                            | -4.90              | -13.36                    | -1                         | -12.36      |
|        | 6895            | 189         | ax (20MHz)  | 24/25.8 (MCS2)     | -7.72                            | -2.40              | -10.12                    | -1                         | -9.12       |
|        | 6995            | 209         | ax (20MHz)  | 24/25.8 (MCS2)     | -7.97                            | -3.30              | -11.27                    | -1                         | -10.27      |
|        | 7115            | 233         | ax (20MHz)  | 24/25.8 (MCS2)     | -9.99                            | -4.90              | -14.89                    | -1                         | -13.89      |
|        | 6885            | 187         | ax (40MHz)  | 49/51.6 (MCS2)     | -7.97                            | -2.40              | -10.37                    | -1                         | -9.37       |
|        | 7005            | 211         | ax (40MHz)  | 49/51.6 (MCS2)     | -7.64                            | -3.30              | -10.94                    | -1                         | -9.94       |
|        | 7085            | 227         | ax (40MHz)  | 49/51.6 (MCS2)     | -7.77                            | -4.90              | -12.67                    | -1                         | -11.67      |
|        | 6945            | 199         | ax (80MHz)  | 102/108.1 (MCS2)   | -6.98                            | -3.30              | -10.28                    | -1                         | -9.28       |
|        | 7025            | 215         | ax (80MHz)  | 102/108.1 (MCS2)   | -7.66                            | -4.90              | -12.56                    | -1                         | -11.56      |
|        | 6985            | 207         | ax (160MHz) | 183.8/216.2 (MCS2) | -8.80                            | -3.30              | -12.10                    | -1                         | -11.10      |

Table 7-47. Power Spectral Density Measurements Antenna 4a (Low Data Rate)

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022                                                                                             | EUT Type:<br>Tablet Device | Page 81 of 282                    |

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|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [MHz]    | 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                 | -7.73                            | -0.70              | -8.43                     | -1                         | -7.43       |
|        | 6175            | 45          | a           | 24                 | -7.29                            | -0.60              | -7.89                     | -1                         | -6.89       |
|        | 6415            | 93          | a           | 24                 | -7.37                            | 1.20               | -6.17                     | -1                         | -5.17       |
|        | 5955            | 1           | ax (20MHz)  | 49/51.6 (MCS4)     | -8.87                            | -0.70              | -9.57                     | -1                         | -8.57       |
|        | 6175            | 45          | ax (20MHz)  | 49/51.6 (MCS4)     | -8.80                            | -0.60              | -9.40                     | -1                         | -8.40       |
|        | 6415            | 93          | ax (20MHz)  | 49/51.6 (MCS4)     | -8.80                            | 1.20               | -7.60                     | -1                         | -6.60       |
|        | 5965            | 3           | ax (40MHz)  | 98/103.2 (MCS4)    | -8.12                            | -0.70              | -8.82                     | -1                         | -7.82       |
|        | 6165            | 43          | ax (40MHz)  | 98/103.2 (MCS4)    | -8.28                            | -0.60              | -8.88                     | -1                         | -7.88       |
|        | 6405            | 91          | ax (40MHz)  | 98/103.2 (MCS4)    | -8.33                            | 1.00               | -7.33                     | -1                         | -6.33       |
|        | 5985            | 7           | ax (80MHz)  | 204/216.2 (MCS4)   | -8.19                            | -0.70              | -8.89                     | -1                         | -7.89       |
|        | 6145            | 39          | ax (80MHz)  | 204/216.2 (MCS4)   | -8.01                            | -0.60              | -8.61                     | -1                         | -7.61       |
|        | 6385            | 87          | ax (80MHz)  | 204/216.2 (MCS4)   | -8.03                            | 1.00               | -7.03                     | -1                         | -6.03       |
|        | 6025            | 15          | ax (160MHz) | 367.5/432.4 (MCS4) | -7.61                            | -0.90              | -8.51                     | -1                         | -7.51       |
|        | 6185            | 47          | ax (160MHz) | 367.5/432.4 (MCS4) | -7.60                            | -0.60              | -8.20                     | -1                         | -7.20       |
| Band 6 | 6345            | 79          | ax (160MHz) | 367.5/432.4 (MCS4) | -7.30                            | 1.00               | -6.30                     | -1                         | -5.30       |
|        | 6435            | 97          | a           | 24                 | -7.87                            | 1.20               | -6.67                     | -1                         | -5.67       |
|        | 6475            | 105         | a           | 24                 | -7.85                            | 1.20               | -6.65                     | -1                         | -5.65       |
|        | 6515            | 113         | a           | 24                 | -7.80                            | -0.30              | -8.10                     | -1                         | -7.10       |
|        | 6435            | 97          | ax (20MHz)  | 49/51.6 (MCS4)     | -9.42                            | 1.20               | -8.22                     | -1                         | -7.22       |
|        | 6475            | 105         | ax (20MHz)  | 49/51.6 (MCS4)     | -9.12                            | 1.20               | -7.92                     | -1                         | -6.92       |
|        | 6515            | 113         | ax (20MHz)  | 49/51.6 (MCS4)     | -9.42                            | -0.30              | -9.72                     | -1                         | -8.72       |
|        | 6445            | 99          | ax (40MHz)  | 98/103.2 (MCS4)    | -8.67                            | 1.20               | -7.47                     | -1                         | -6.47       |
|        | 6485            | 107         | ax (40MHz)  | 98/103.2 (MCS4)    | -7.91                            | 1.20               | -6.71                     | -1                         | -5.71       |
|        | 6525            | 115         | ax (40MHz)  | 98/103.2 (MCS4)    | -8.34                            | -0.30              | -8.64                     | -1                         | -7.64       |
| Band 7 | 6465            | 103         | ax (80MHz)  | 204/216.2 (MCS4)   | -8.69                            | 1.20               | -7.49                     | -1                         | -6.49       |
|        | 6505            | 111         | ax (160MHz) | 367.5/432.4 (MCS4) | -7.78                            | -0.30              | -8.08                     | -1                         | -7.08       |
|        | 6535            | 117         | a           | 24                 | -9.36                            | -0.30              | -9.66                     | -1                         | -8.66       |
|        | 6695            | 149         | a           | 24                 | -7.89                            | -1.60              | -9.49                     | -1                         | -8.49       |
|        | 6875            | 185         | a           | 24                 | -7.91                            | -2.40              | -10.31                    | -1                         | -9.31       |
|        | 6535            | 117         | ax (20MHz)  | 49/51.6 (MCS4)     | -10.42                           | -0.30              | -10.72                    | -1                         | -9.72       |
|        | 6695            | 149         | ax (20MHz)  | 49/51.6 (MCS4)     | -9.25                            | -1.60              | -10.85                    | -1                         | -9.85       |
|        | 6875            | 185         | ax (20MHz)  | 49/51.6 (MCS4)     | -9.88                            | -2.40              | -12.28                    | -1                         | -11.28      |
|        | 6565            | 123         | ax (40MHz)  | 98/103.2 (MCS4)    | -8.21                            | -0.30              | -8.51                     | -1                         | -7.51       |
|        | 6725            | 155         | ax (40MHz)  | 98/103.2 (MCS4)    | -7.99                            | -1.50              | -9.49                     | -1                         | -8.49       |
|        | 6845            | 179         | ax (40MHz)  | 98/103.2 (MCS4)    | -7.85                            | -2.40              | -10.25                    | -1                         | -9.25       |
|        | 6545            | 119         | ax (80MHz)  | 204/216.2 (MCS4)   | -7.48                            | -0.30              | -7.78                     | -1                         | -6.78       |
|        | 6705            | 151         | ax (80MHz)  | 204/216.2 (MCS4)   | -7.68                            | -1.60              | -9.28                     | -1                         | -8.28       |
|        | 6865            | 183         | ax (80MHz)  | 204/216.2 (MCS4)   | -7.39                            | -2.40              | -9.79                     | -1                         | -8.79       |
| Band 8 | 6665            | 143         | ax (160MHz) | 367.5/432.4 (MCS4) | -8.00                            | -1.60              | -9.60                     | -1                         | -8.60       |
|        | 6825            | 175         | ax (160MHz) | 367.5/432.4 (MCS4) | -8.03                            | -2.40              | -10.43                    | -1                         | -9.43       |
|        | 6895            | 189         | a           | 24                 | -6.43                            | -2.40              | -8.83                     | -1                         | -7.83       |
|        | 6995            | 209         | a           | 24                 | -6.13                            | -3.30              | -9.43                     | -1                         | -8.43       |
|        | 7115            | 233         | a           | 24                 | -8.54                            | -4.90              | -13.44                    | -1                         | -12.44      |
|        | 6895            | 189         | ax (20MHz)  | 49/51.6 (MCS4)     | -7.76                            | -2.40              | -10.16                    | -1                         | -9.16       |
|        | 6995            | 209         | ax (20MHz)  | 49/51.6 (MCS4)     | -8.02                            | -3.30              | -11.32                    | -1                         | -10.32      |
|        | 7115            | 233         | ax (20MHz)  | 49/51.6 (MCS4)     | -9.97                            | -4.90              | -14.87                    | -1                         | -13.87      |
|        | 6885            | 187         | ax (40MHz)  | 98/103.2 (MCS4)    | -7.55                            | -2.40              | -9.95                     | -1                         | -8.95       |
|        | 7005            | 211         | ax (40MHz)  | 98/103.2 (MCS4)    | -7.57                            | -3.30              | -10.87                    | -1                         | -9.87       |
|        | 7085            | 227         | ax (40MHz)  | 98/103.2 (MCS4)    | -7.88                            | -4.90              | -12.78                    | -1                         | -11.78      |
|        | 6945            | 199         | ax (80MHz)  | 204/216.2 (MCS4)   | -6.90                            | -3.30              | -10.20                    | -1                         | -9.20       |
|        | 7025            | 215         | ax (80MHz)  | 204/216.2 (MCS4)   | -7.28                            | -4.90              | -12.18                    | -1                         | -11.18      |
|        | 6985            | 207         | ax (160MHz) | 367.5/432.4 (MCS4) | -8.35                            | -3.30              | -11.65                    | -1                         | -10.65      |

**Table 7-48. Power Spectral Density Measurements Antenna 4a (Mid Data Rate)**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022                                                                                             | EUT Type:<br>Tablet Device | Page 82 of 282                    |

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|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [MHz]     | 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                  | -8.84                            | -0.70              | -9.54                     | -1                         | -8.54       |
|        | 6175            | 45          | a           | 54                  | -8.17                            | -0.60              | -8.77                     | -1                         | -7.77       |
|        | 6415            | 93          | a           | 54                  | -8.29                            | 1.20               | -7.09                     | -1                         | -6.09       |
|        | 5955            | 1           | ax (20MHz)  | 135/143.4 (MCS11)   | -8.95                            | -0.70              | -9.65                     | -1                         | -8.65       |
|        | 6175            | 45          | ax (20MHz)  | 135/143.4 (MCS11)   | -8.63                            | -0.60              | -9.23                     | -1                         | -8.23       |
|        | 6415            | 93          | ax (20MHz)  | 135/143.4 (MCS11)   | -8.70                            | 1.20               | -7.50                     | -1                         | -6.50       |
|        | 5965            | 3           | ax (40MHz)  | 271/286.8 (MCS11)   | -8.06                            | -0.70              | -8.76                     | -1                         | -7.76       |
|        | 6165            | 43          | ax (40MHz)  | 271/286.8 (MCS11)   | -7.97                            | -0.60              | -8.57                     | -1                         | -7.57       |
|        | 6405            | 91          | ax (40MHz)  | 271/286.8 (MCS11)   | -8.24                            | 1.00               | -7.24                     | -1                         | -6.24       |
|        | 5985            | 7           | ax (80MHz)  | 567/600.5 (MCS11)   | -8.27                            | -0.70              | -8.97                     | -1                         | -7.97       |
|        | 6145            | 39          | ax (80MHz)  | 567/600.5 (MCS11)   | -8.06                            | -0.60              | -8.66                     | -1                         | -7.66       |
|        | 6385            | 87          | ax (80MHz)  | 567/600.5 (MCS11)   | -7.73                            | 1.00               | -6.73                     | -1                         | -5.73       |
|        | 6025            | 15          | ax (160MHz) | 1020.8/1201 (MCS11) | -7.40                            | -0.90              | -8.30                     | -1                         | -7.30       |
|        | 6185            | 47          | ax (160MHz) | 1020.8/1201 (MCS11) | -7.39                            | -0.60              | -7.99                     | -1                         | -6.99       |
| Band 6 | 6345            | 79          | ax (160MHz) | 1020.8/1201 (MCS11) | -7.05                            | 1.00               | -6.05                     | -1                         | -5.05       |
|        | 6435            | 97          | a           | 54                  | -9.04                            | 1.20               | -7.84                     | -1                         | -6.84       |
|        | 6475            | 105         | a           | 54                  | -8.51                            | 1.20               | -7.31                     | -1                         | -6.31       |
|        | 6515            | 113         | a           | 54                  | -8.90                            | -0.30              | -9.20                     | -1                         | -8.20       |
|        | 6435            | 97          | ax (20MHz)  | 135/143.4 (MCS11)   | -9.19                            | 1.20               | -7.99                     | -1                         | -6.99       |
|        | 6475            | 105         | ax (20MHz)  | 135/143.4 (MCS11)   | -9.29                            | 1.20               | -8.09                     | -1                         | -7.09       |
|        | 6515            | 113         | ax (20MHz)  | 135/143.4 (MCS11)   | -9.12                            | -0.30              | -9.42                     | -1                         | -8.42       |
|        | 6445            | 99          | ax (40MHz)  | 271/286.8 (MCS11)   | -8.49                            | 1.20               | -7.29                     | -1                         | -6.29       |
|        | 6485            | 107         | ax (40MHz)  | 271/286.8 (MCS11)   | -8.27                            | 1.20               | -7.07                     | -1                         | -6.07       |
|        | 6525            | 115         | ax (40MHz)  | 271/286.8 (MCS11)   | -8.46                            | -0.30              | -8.76                     | -1                         | -7.76       |
| Band 7 | 6465            | 103         | ax (80MHz)  | 567/600.5 (MCS11)   | -8.30                            | 1.20               | -7.10                     | -1                         | -6.10       |
|        | 6505            | 111         | ax (160MHz) | 1020.8/1201 (MCS11) | -7.47                            | -0.30              | -7.77                     | -1                         | -6.77       |
|        | 6535            | 117         | a           | 54                  | -9.21                            | -0.30              | -9.51                     | -1                         | -8.51       |
|        | 6695            | 149         | a           | 54                  | -9.25                            | -1.60              | -10.85                    | -1                         | -9.85       |
|        | 6875            | 185         | a           | 54                  | -9.19                            | -2.40              | -11.59                    | -1                         | -10.59      |
|        | 6535            | 117         | ax (20MHz)  | 135/143.4 (MCS11)   | -10.66                           | -0.30              | -10.96                    | -1                         | -9.96       |
|        | 6695            | 149         | ax (20MHz)  | 135/143.4 (MCS11)   | -9.40                            | -1.60              | -11.00                    | -1                         | -10.00      |
|        | 6875            | 185         | ax (20MHz)  | 135/143.4 (MCS11)   | -9.26                            | -2.40              | -11.66                    | -1                         | -10.66      |
|        | 6565            | 123         | ax (40MHz)  | 271/286.8 (MCS11)   | -7.76                            | -0.30              | -8.06                     | -1                         | -7.06       |
|        | 6725            | 155         | ax (40MHz)  | 271/286.8 (MCS11)   | -7.81                            | -1.50              | -9.31                     | -1                         | -8.31       |
|        | 6845            | 179         | ax (40MHz)  | 271/286.8 (MCS11)   | -7.63                            | -2.40              | -10.03                    | -1                         | -9.03       |
|        | 6545            | 119         | ax (80MHz)  | 567/600.5 (MCS11)   | -7.89                            | -0.30              | -8.19                     | -1                         | -7.19       |
|        | 6705            | 151         | ax (80MHz)  | 567/600.5 (MCS11)   | -7.55                            | -1.60              | -9.15                     | -1                         | -8.15       |
|        | 6865            | 183         | ax (80MHz)  | 567/600.5 (MCS11)   | -7.33                            | -2.40              | -9.73                     | -1                         | -8.73       |
| Band 8 | 6665            | 143         | ax (160MHz) | 1020.8/1201 (MCS11) | -7.89                            | -1.60              | -9.49                     | -1                         | -8.49       |
|        | 6825            | 175         | ax (160MHz) | 1020.8/1201 (MCS11) | -7.88                            | -2.40              | -10.28                    | -1                         | -9.28       |
|        | 6895            | 189         | a           | 54                  | -7.21                            | -2.40              | -9.61                     | -1                         | -8.61       |
|        | 6995            | 209         | a           | 54                  | -7.49                            | -3.30              | -10.79                    | -1                         | -9.79       |
|        | 7115            | 233         | a           | 54                  | -10.34                           | -4.90              | -15.24                    | -1                         | -14.24      |
|        | 6895            | 189         | ax (20MHz)  | 135/143.4 (MCS11)   | -7.62                            | -2.40              | -10.02                    | -1                         | -9.02       |
|        | 6995            | 209         | ax (20MHz)  | 135/143.4 (MCS11)   | -8.01                            | -3.30              | -11.31                    | -1                         | -10.31      |
|        | 7115            | 233         | ax (20MHz)  | 135/143.4 (MCS11)   | -10.69                           | -4.90              | -15.59                    | -1                         | -14.59      |
|        | 6885            | 187         | ax (40MHz)  | 271/286.8 (MCS11)   | -7.57                            | -2.40              | -9.97                     | -1                         | -8.97       |
|        | 7005            | 211         | ax (40MHz)  | 271/286.8 (MCS11)   | -7.61                            | -3.30              | -10.91                    | -1                         | -9.91       |
|        | 7085            | 227         | ax (40MHz)  | 271/286.8 (MCS11)   | -8.05                            | -4.90              | -12.95                    | -1                         | -11.95      |
|        | 6945            | 199         | ax (80MHz)  | 567/600.5 (MCS11)   | -6.87                            | -3.30              | -10.17                    | -1                         | -9.17       |
|        | 7025            | 215         | ax (80MHz)  | 567/600.5 (MCS11)   | -7.28                            | -4.90              | -12.18                    | -1                         | -11.18      |
|        | 6985            | 207         | ax (160MHz) | 1020.8/1201 (MCS11) | -8.15                            | -3.30              | -11.45                    | -1                         | -10.45      |

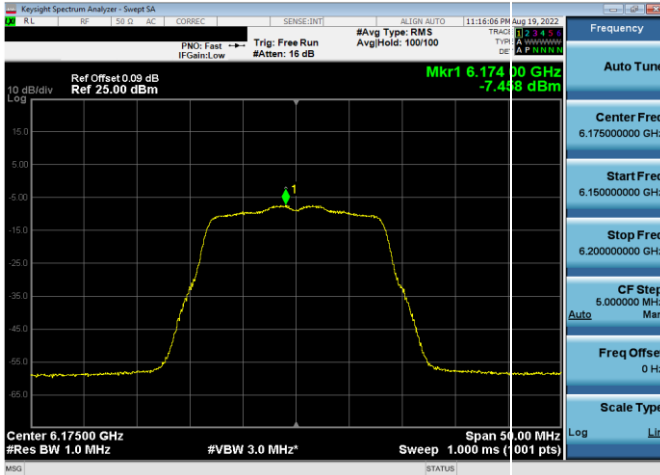
**Table 7-49. Power Spectral Density Measurements Antenna 4a (High Data Rate)**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022                                                                                             | EUT Type:<br>Tablet Device | Page 83 of 282                    |

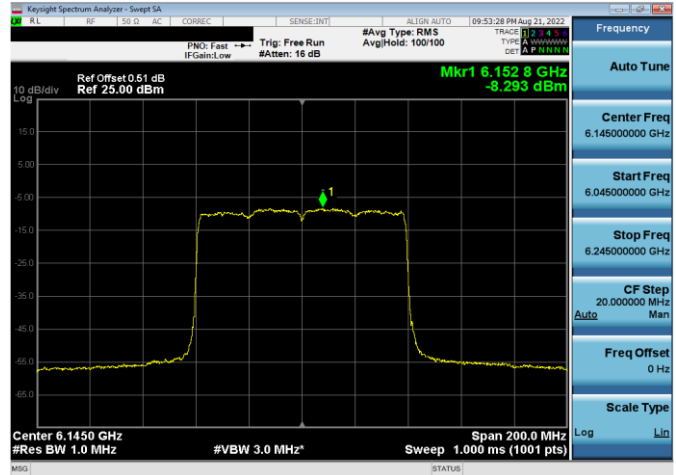
V 10.5 12/15/2021

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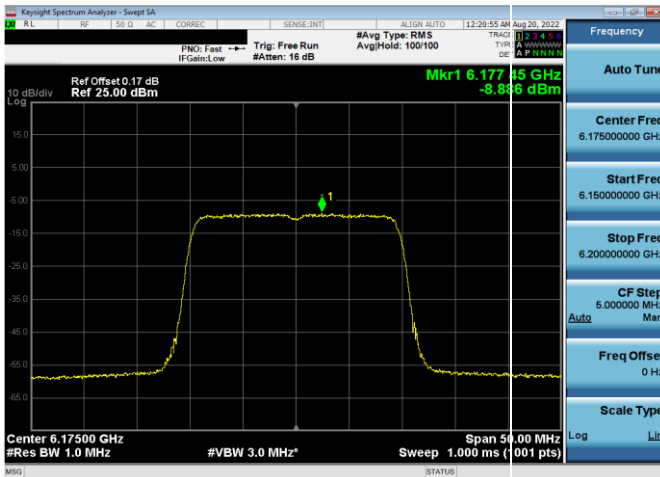
## Low Data Rate



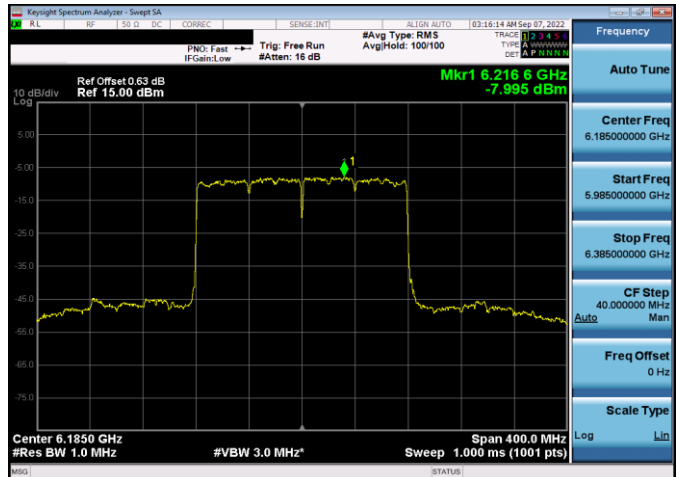
Plot 7-181. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 5) – Ch. 45, 12Mbps)



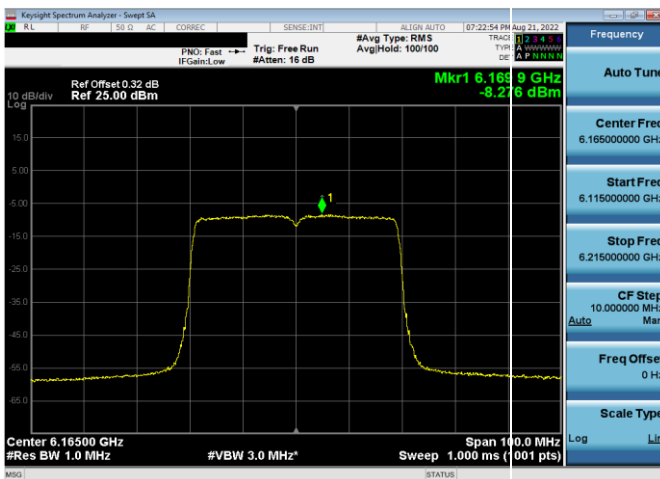
Plot 7-184. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS2)



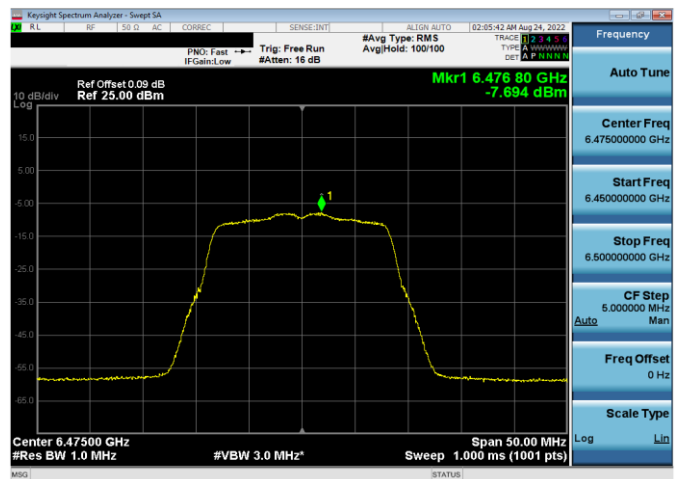
Plot 7-182. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS2)



Plot 7-185. Power Spectral Density Plot Antenna 4a (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS2)



Plot 7-183. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS2)

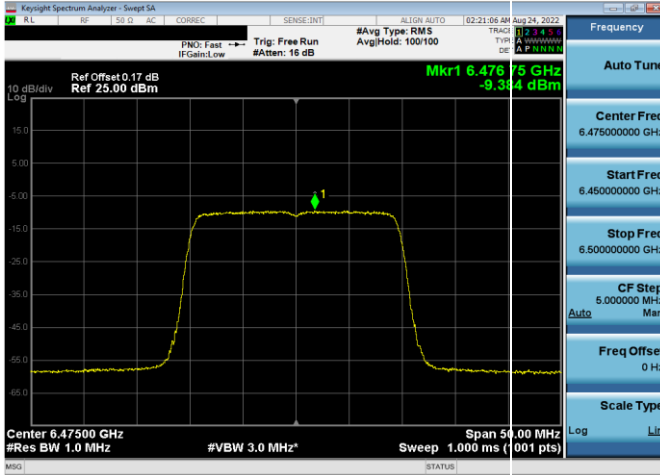


Plot 7-186. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 6) – Ch. 105, 12Mbps)

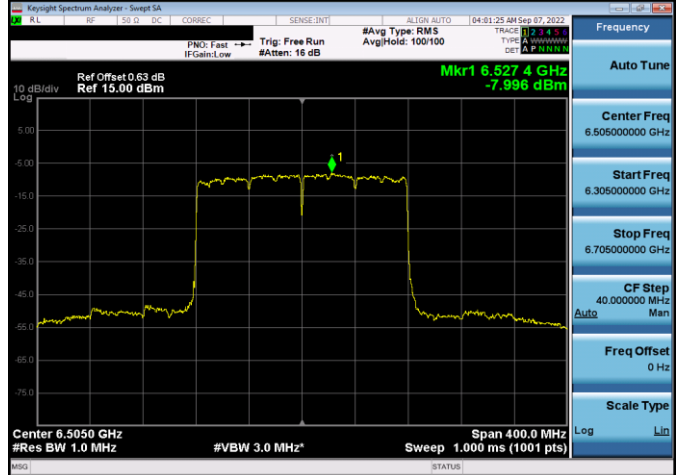
|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         |                                       | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022 | EUT Type:<br>Tablet Device            | Page 84 of 282                    |

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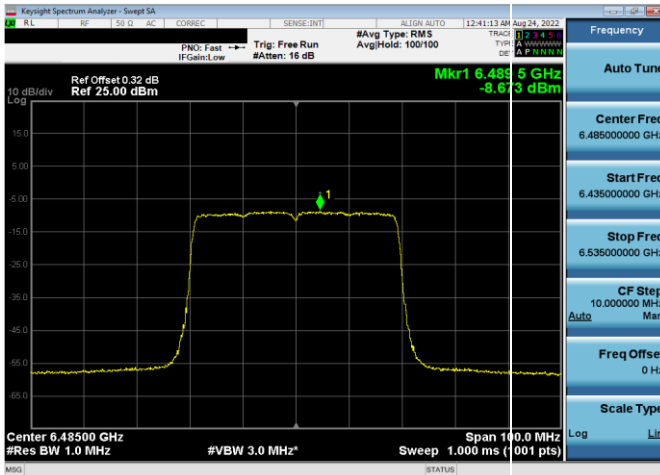
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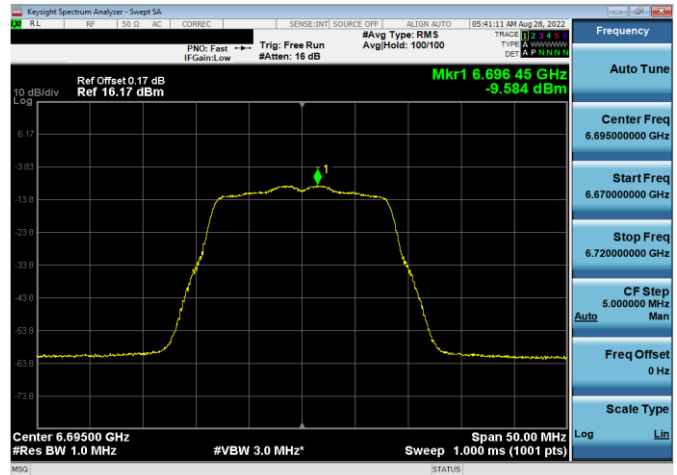
Plot 7-187. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS2)



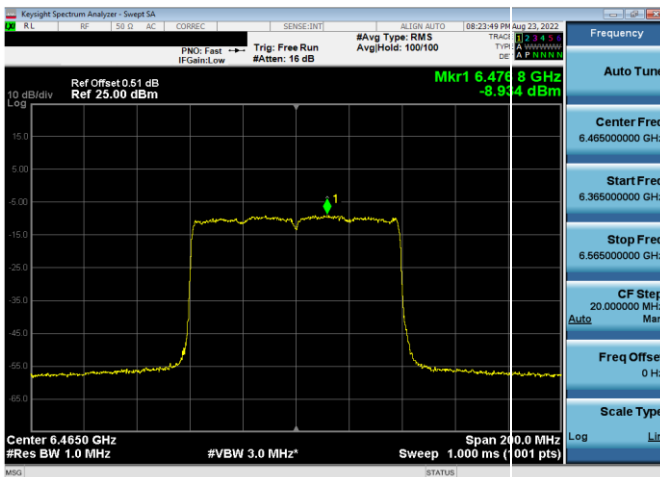
Plot 7-190. Power Spectral Density Plot Antenna 4a (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS2)



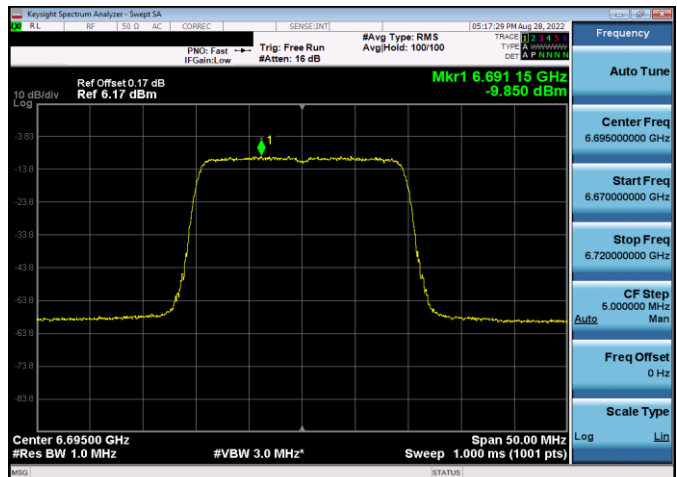
Plot 7-188. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS2)



Plot 7-191. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 7) – Ch. 149, 12Mbps)



Plot 7-189. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS2)



Plot 7-192. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS2)

|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-21-R2.BCG | Test Dates:<br>05/27/2022 - 9/12/2022 | EUT Type:<br>Tablet Device            | Page 85 of 282                    |