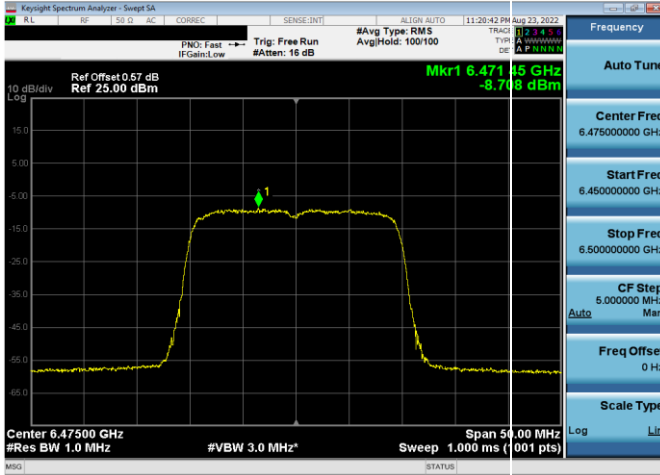
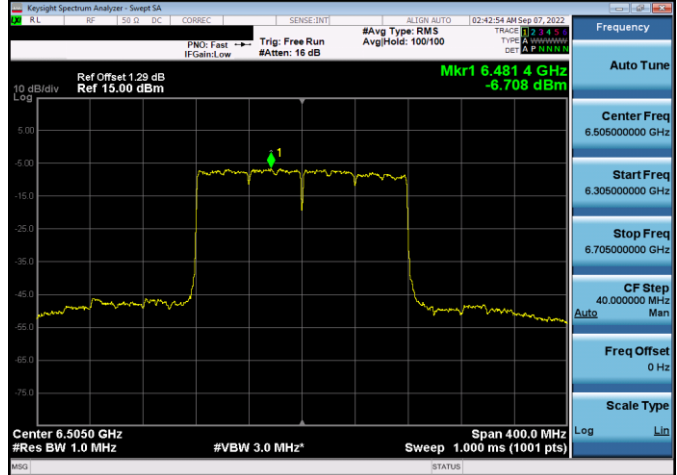
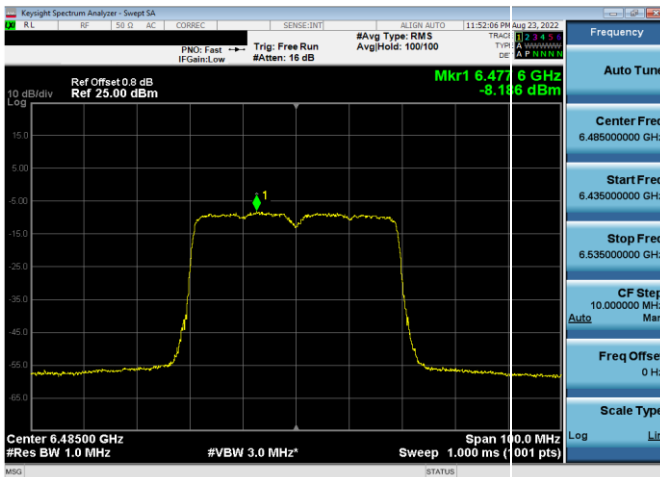




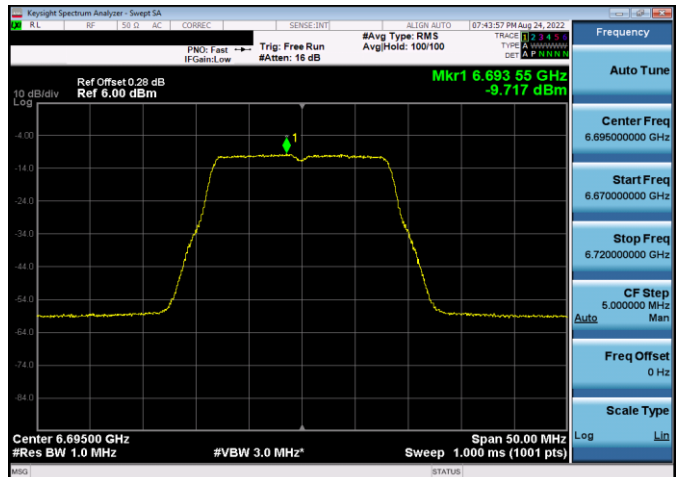
Plot 7-163. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS11)



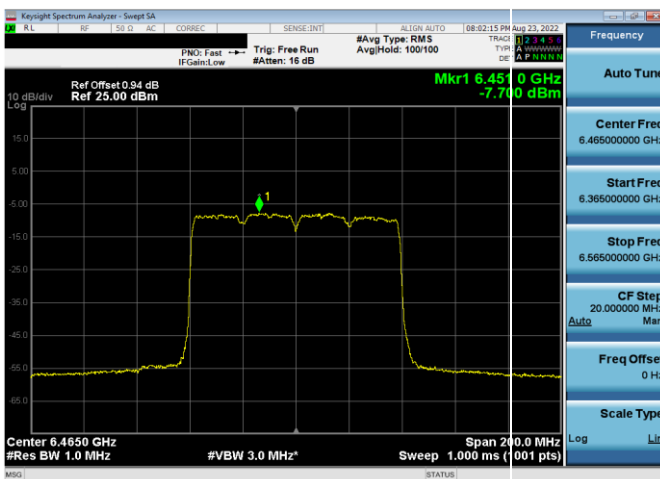
Plot 7-166. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS11)



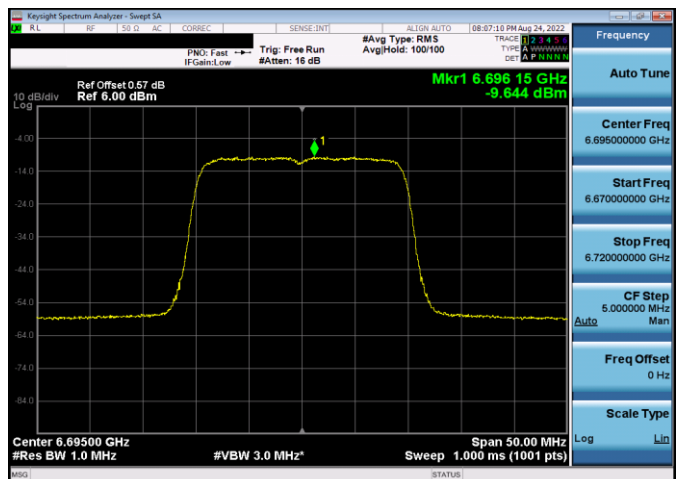
Plot 7-164. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS11)



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

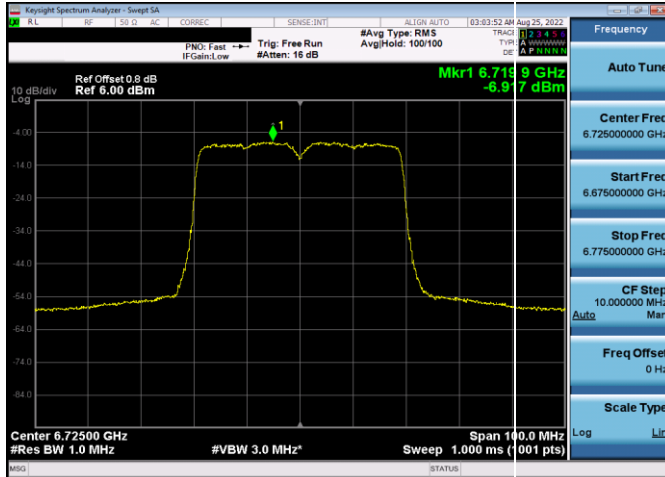


Plot 7-165. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS11)

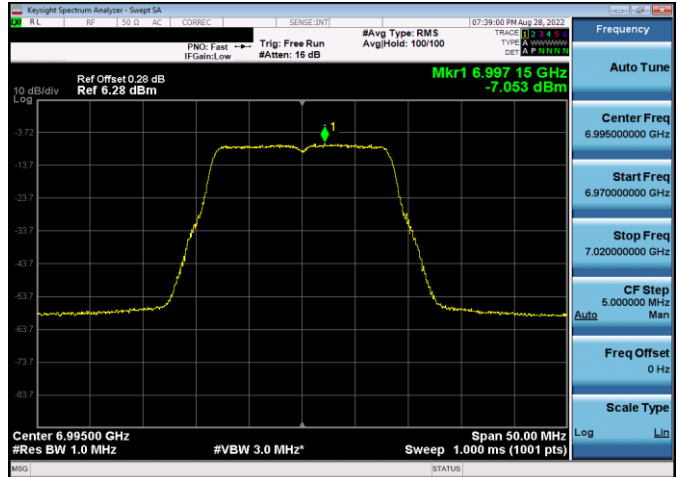


Plot 7-168. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS11)

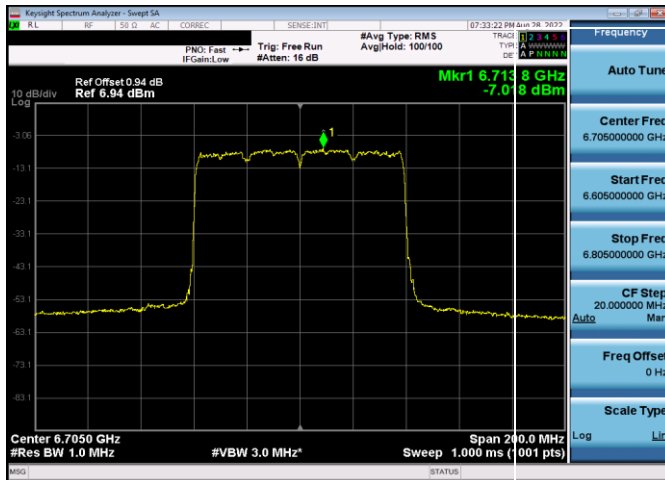
|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| 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                    |



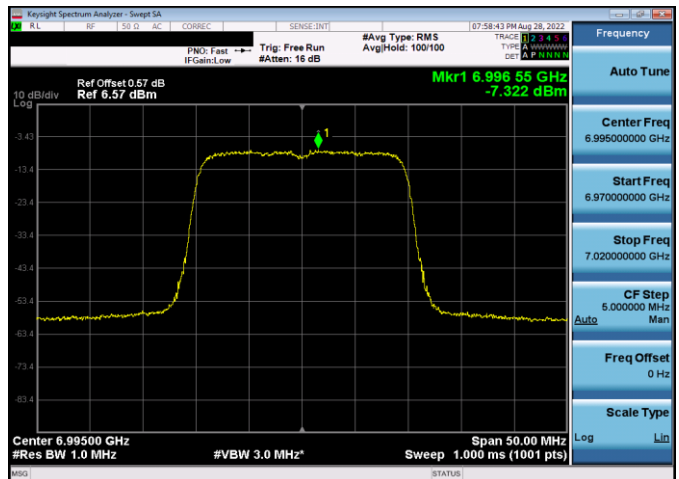
Plot 7-169. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS11)



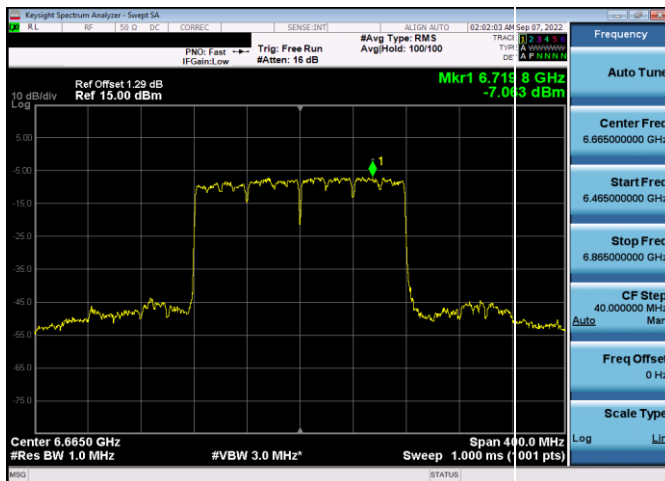
Plot 7-172. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 8) – Ch. 209, 54Mbps)



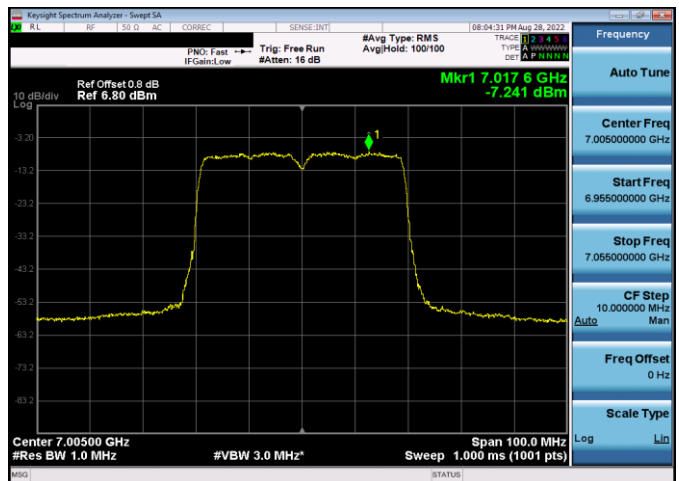
Plot 7-170. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS11)



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

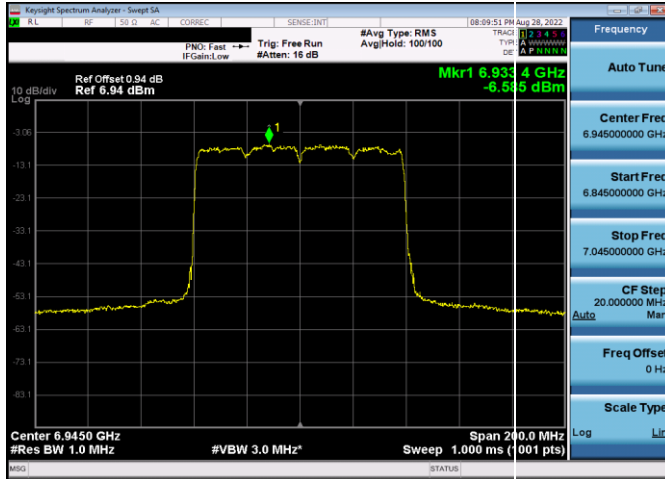


Plot 7-171. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS11)

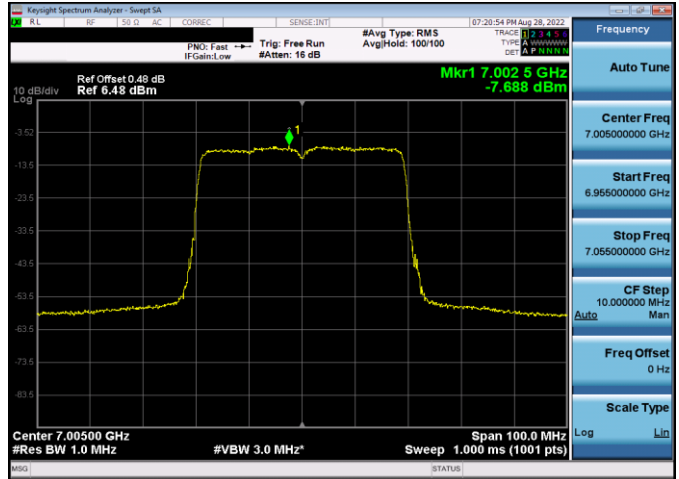


Plot 7-174. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS11)

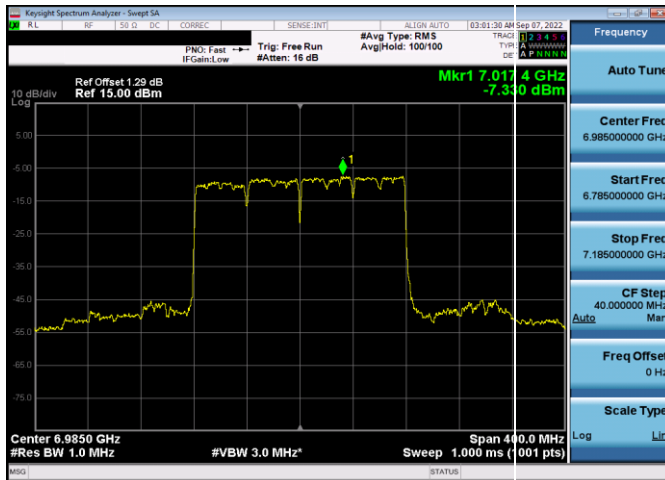
|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| 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                    |



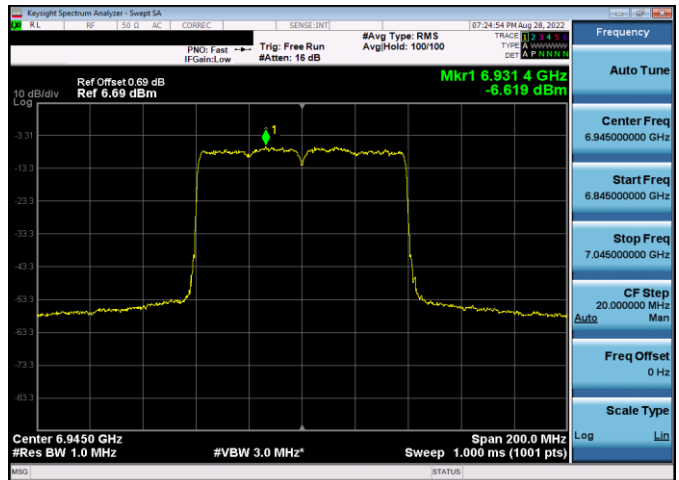
Plot 7-175. Power Spectral Density Plot Antenna 5b (80MHz) 802.11ax (UNII Band 8) – Ch. 199, MCS11)



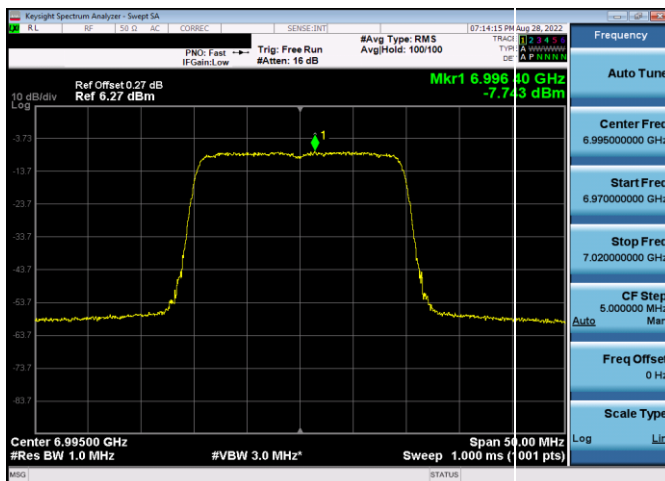
Plot 7-178. Power Spectral Density Plot Antenna 5b (40MHz) 802.11ax (UNII Band 8) – Ch. 211, MCS11)



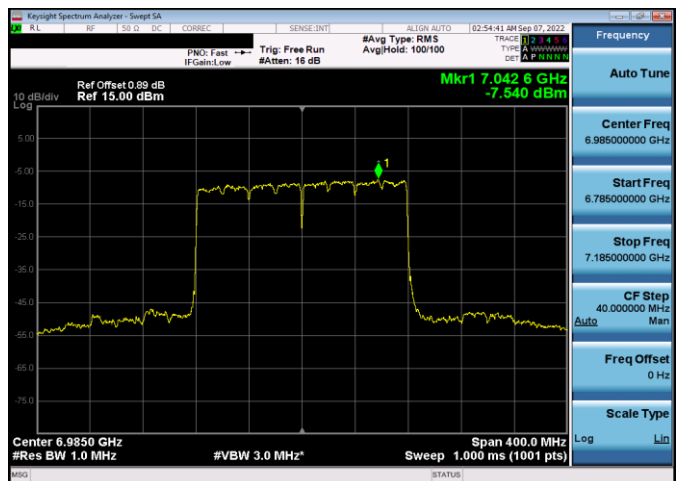
Plot 7-176. Power Spectral Density Plot Antenna 5b (160MHz) 802.11ax (UNII Band 8) – Ch. 207, MCS11)



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                    |

V 10.5 12/15/2021

|        | 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       |
| Band 6 | 6185            | 47          | ax (160MHz) | 367.5/432.4 (MCS4) | -7.60                            | -0.60              | -8.20                     | -1                         | -7.20       |
|        | 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       |
| Band 7 | 6525            | 115         | ax (40MHz)  | 98/103.2 (MCS4)    | -8.34                            | -0.30              | -8.64                     | -1                         | -7.64       |
|        | 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       |
| Band 8 | 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       |
|        | 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                    |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

|        | 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       |
| Band 8 | 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       |
|        | 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      |

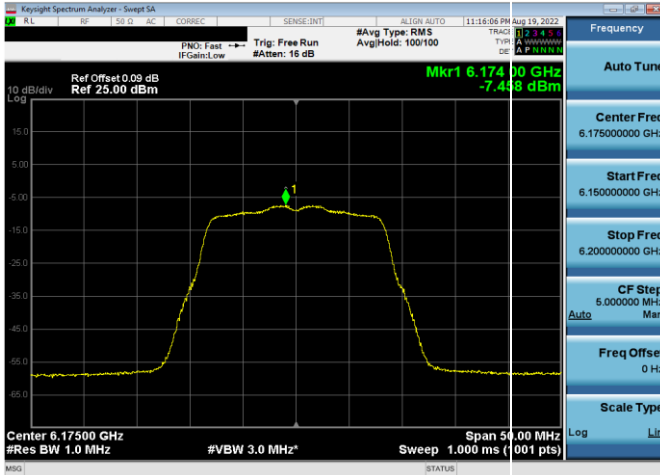
**Table 7-49. Power Spectral Density Measurements Antenna 4a (High Data Rate)**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| 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                    |

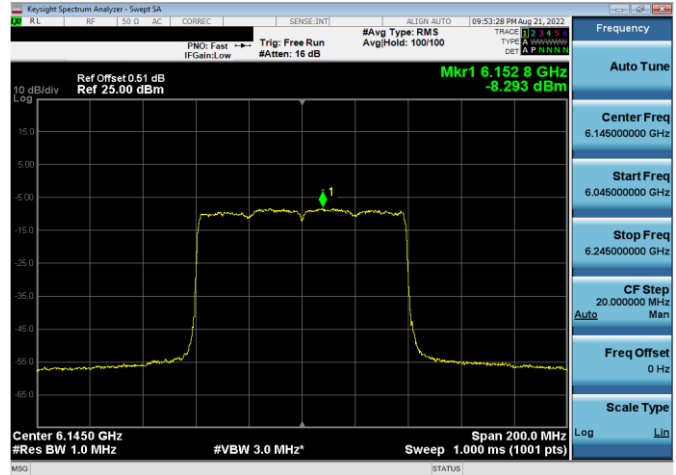
V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

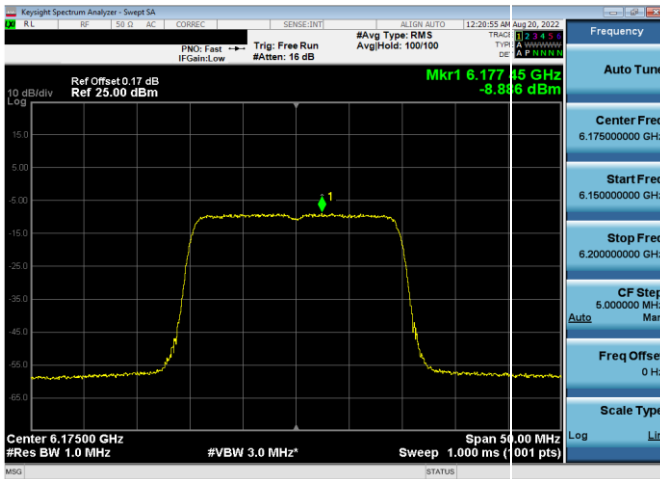
## Low Data Rate



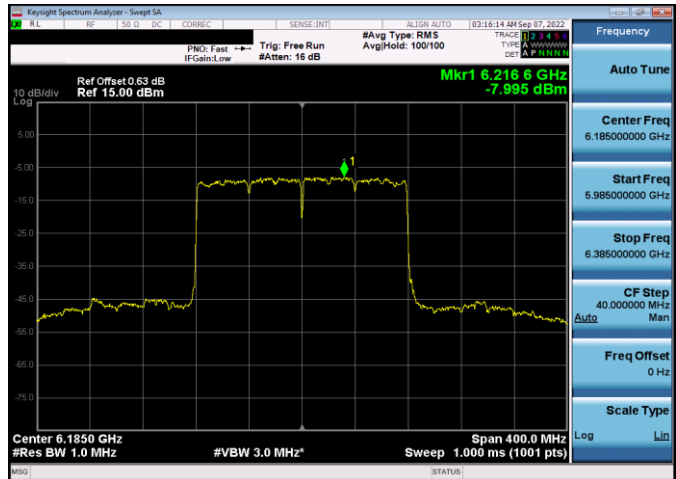
Plot 7-181. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 5) – Ch. 45, 12Mbps)



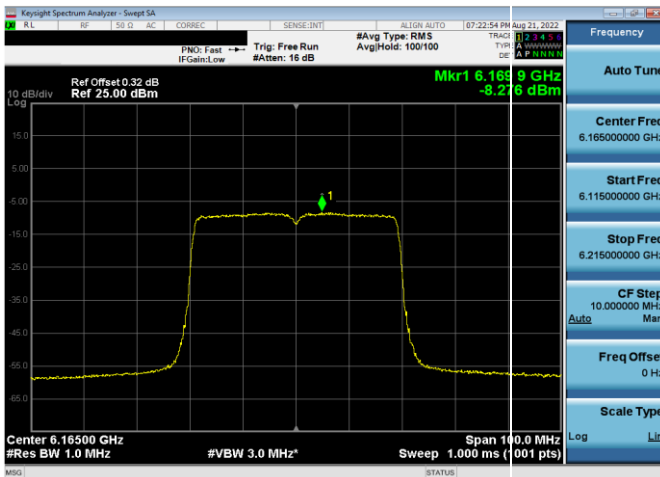
Plot 7-184. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS2)



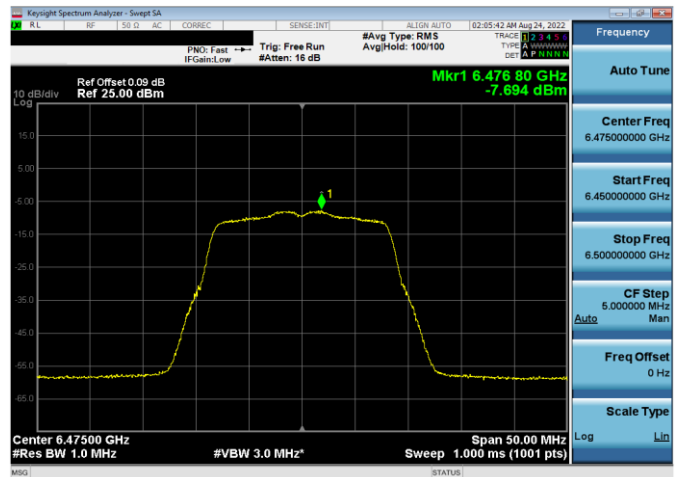
Plot 7-182. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS2)



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)

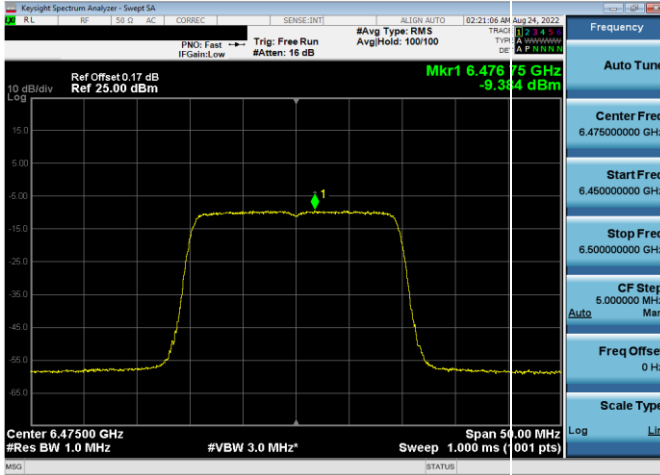


Plot 7-186. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 6) – Ch. 105, 12Mbps)

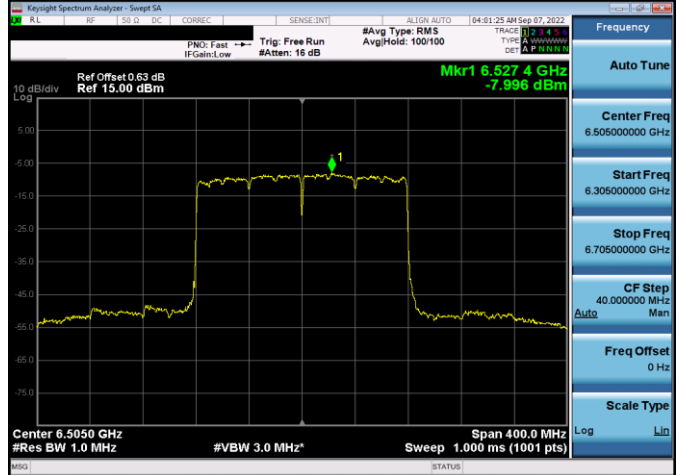
|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| 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                    |

V 10.5 12/15/2021

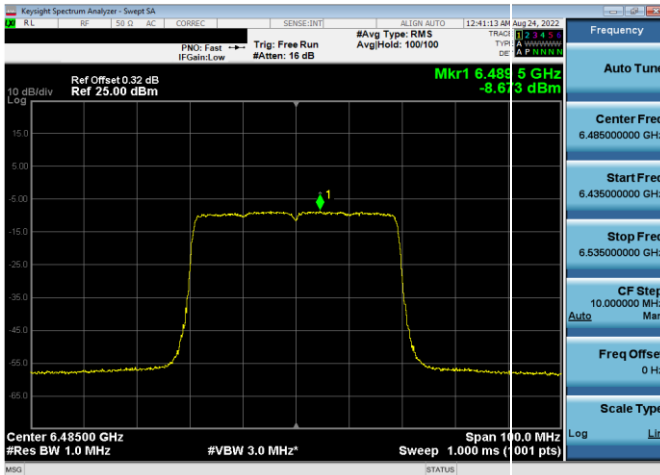
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).



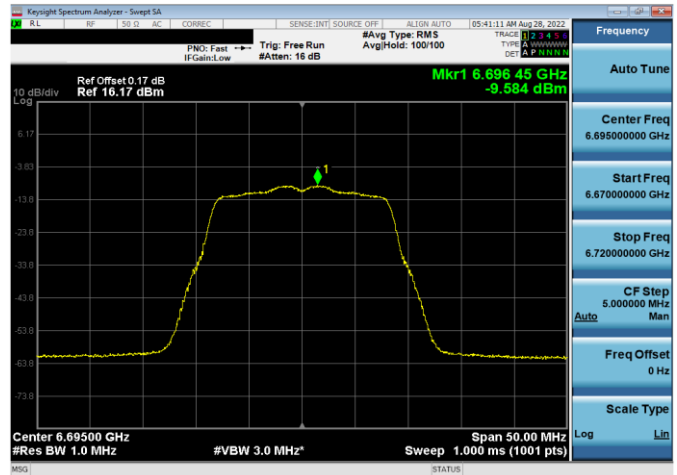
Plot 7-187. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS2)



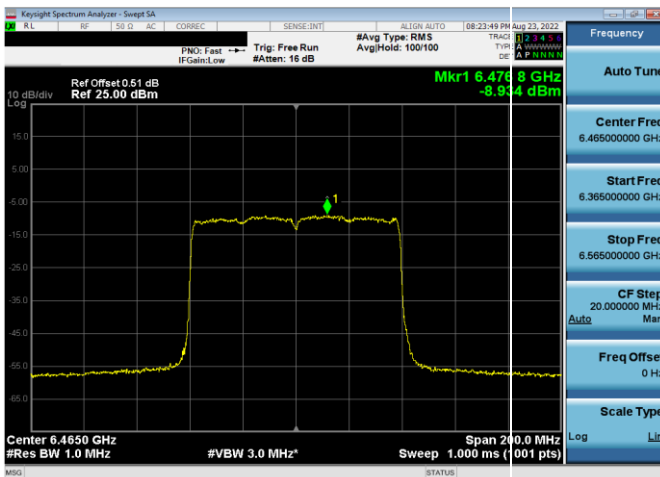
Plot 7-190. Power Spectral Density Plot Antenna 4a (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS2)



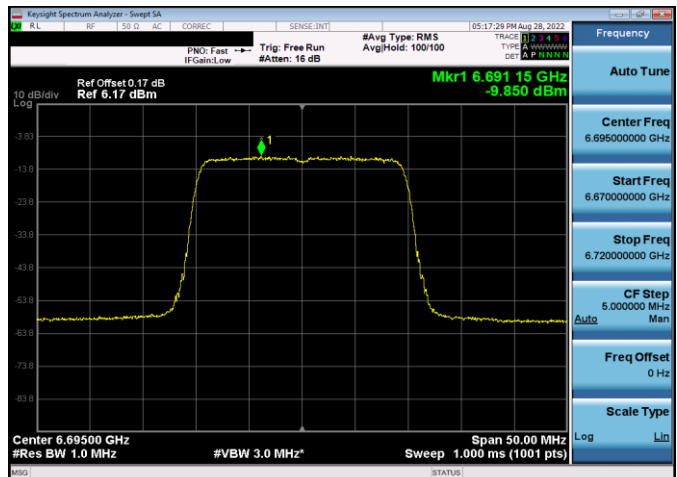
Plot 7-188. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS2)



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

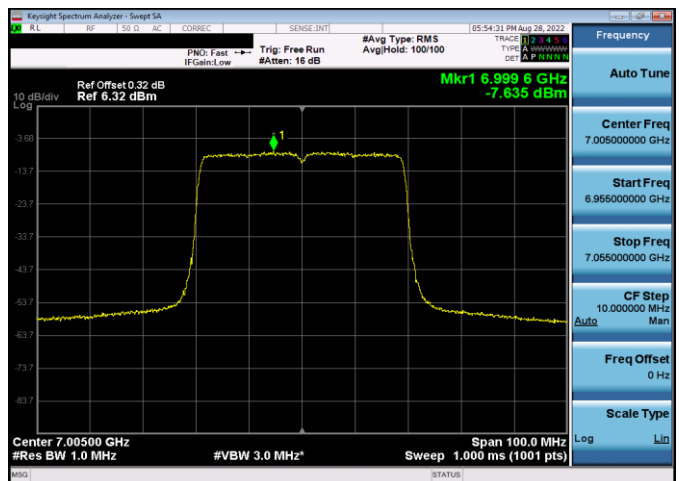
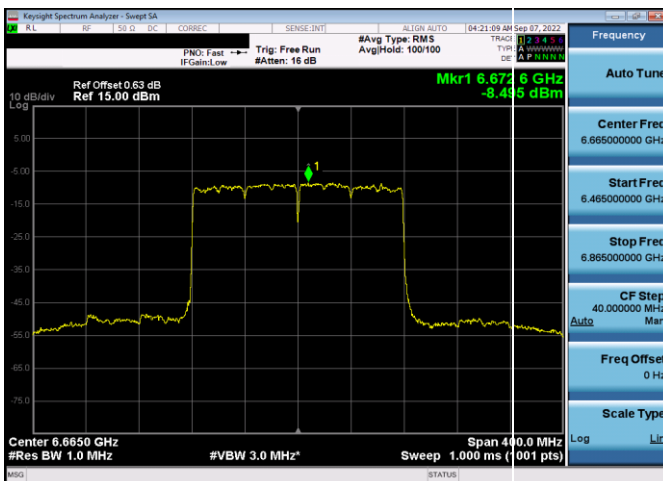
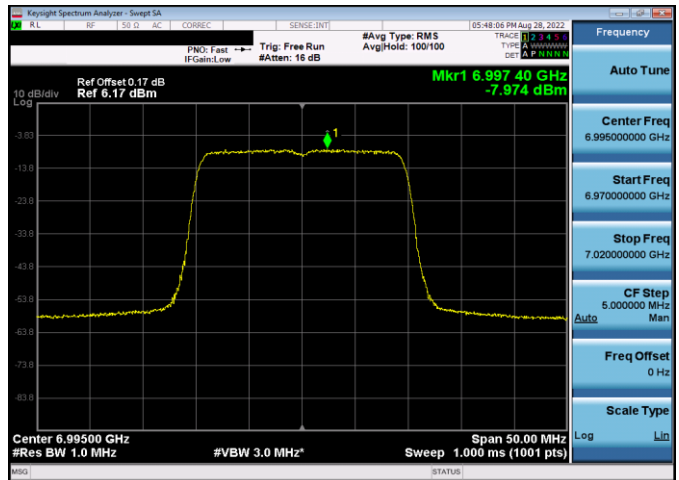
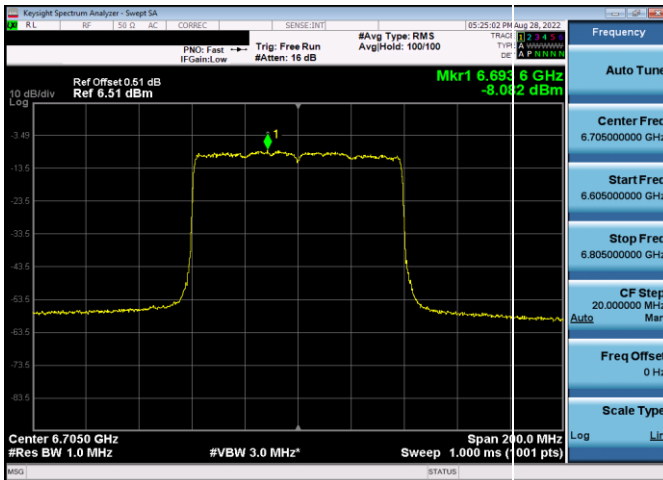
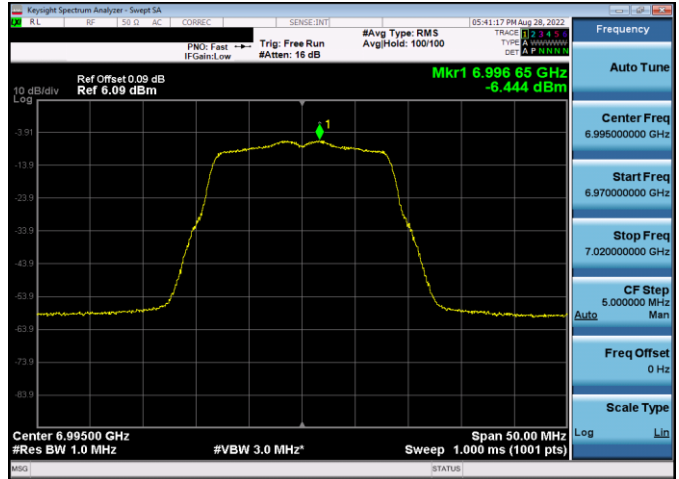
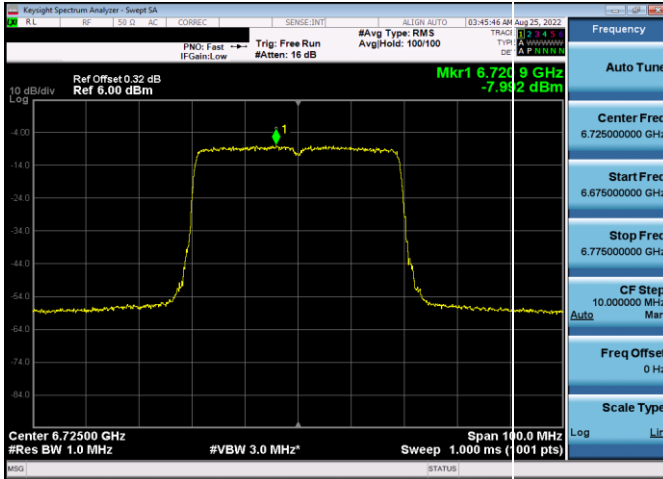


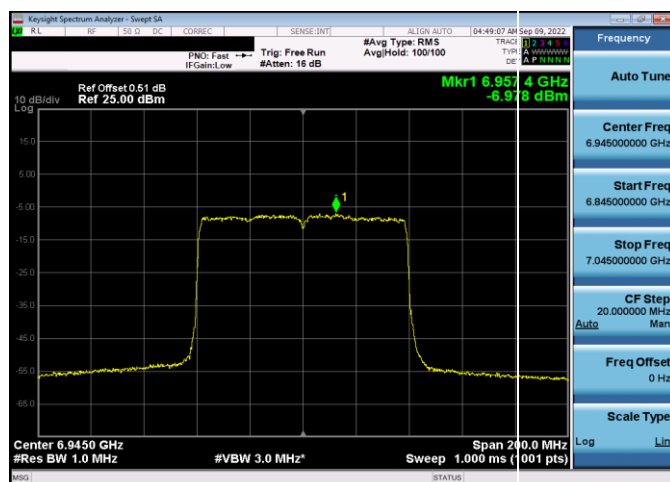
Plot 7-189. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS2)



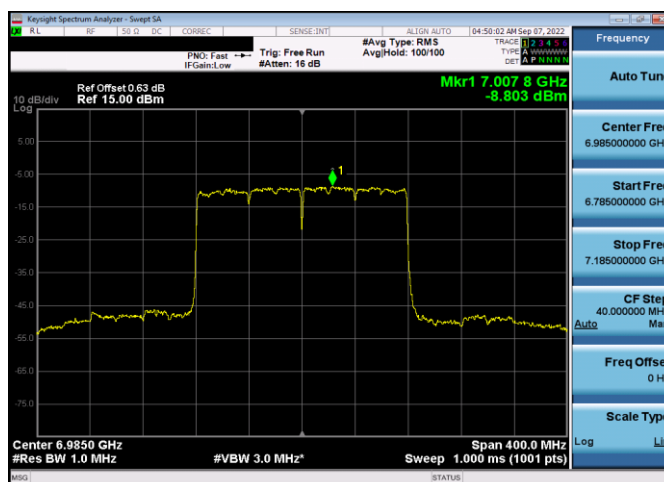
Plot 7-192. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS2)

|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| 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                    |





Plot 7-199. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS2)

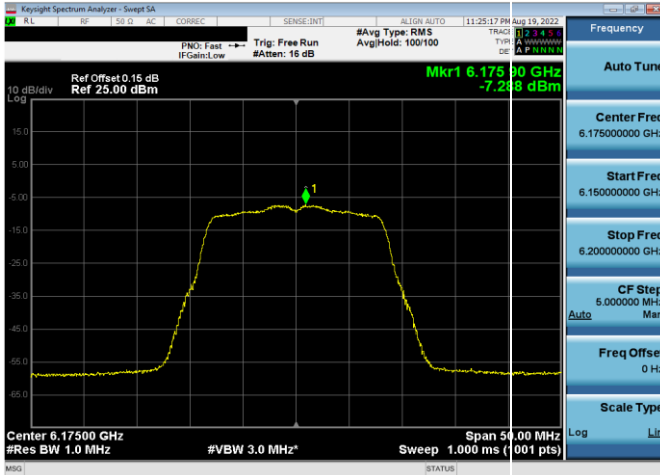


Plot 7-200. Power Spectral Density Plot Antenna 4a (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS2)

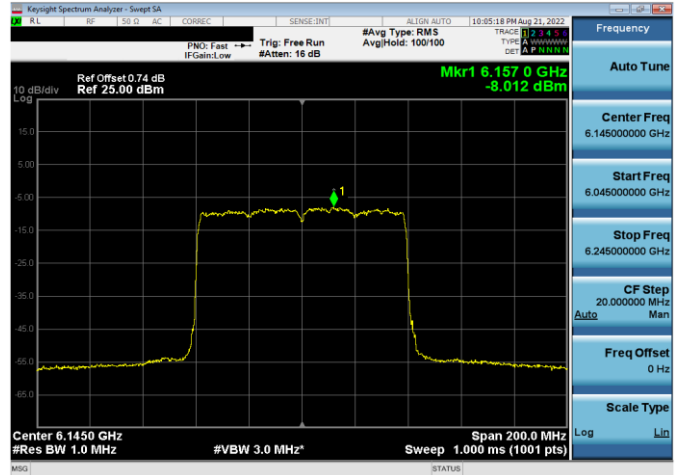
|                                            |                                                                                                                                  |                            |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2435<br>IC: 579C-A2435         |  <b>MEASUREMENT REPORT</b><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 87 of 282                    |

V 10.5 12/15/2021

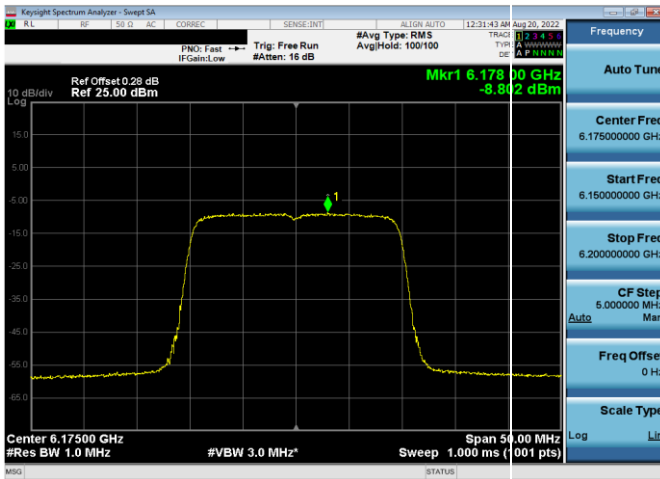
## Mid Data Rate



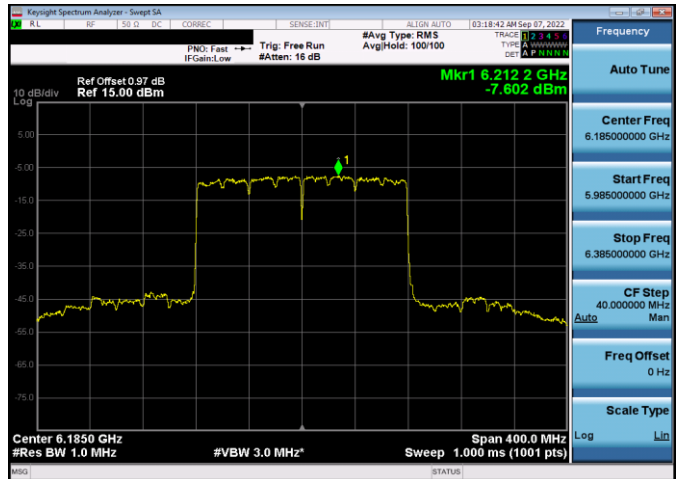
Plot 7-201. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 5) – Ch. 45, 24Mbps)



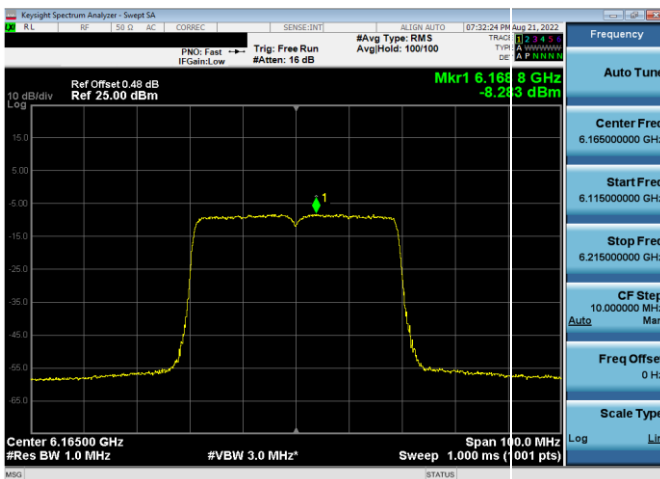
Plot 7-204. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS4)



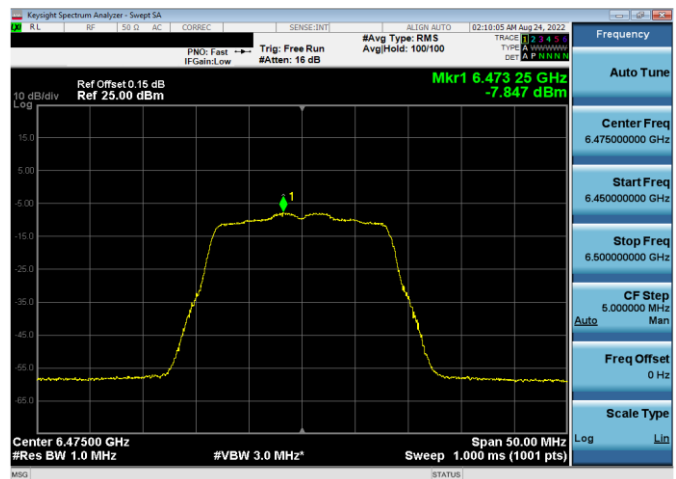
Plot 7-202. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS4)



Plot 7-205. Power Spectral Density Plot Antenna 4a (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS4)



Plot 7-203. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS4)

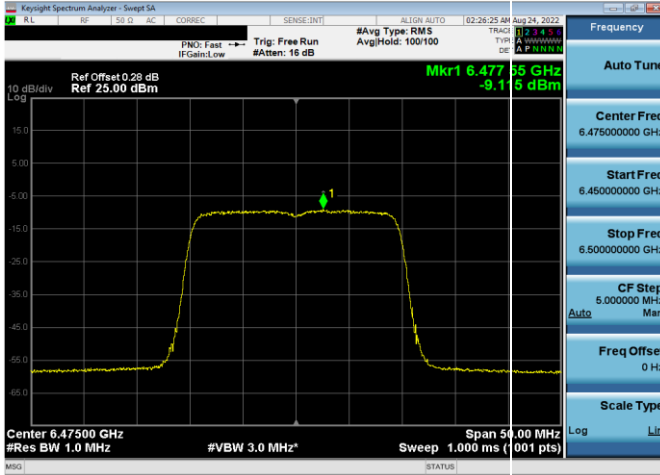


Plot 7-206. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 6) – Ch. 105, 24Mbps)

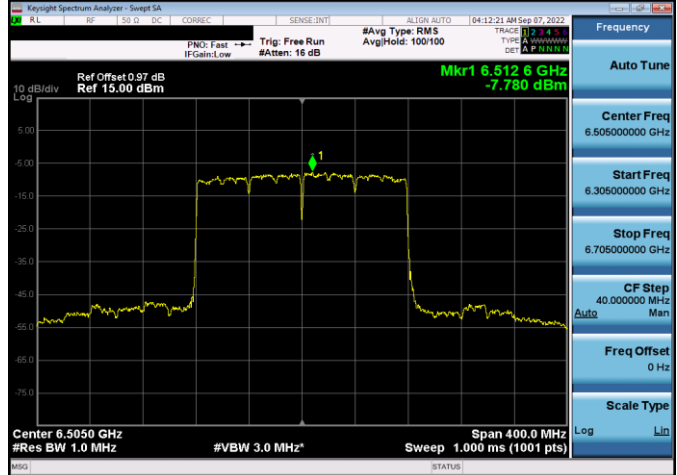
|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| 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 88 of 282                    |

V 10.5 12/15/2021

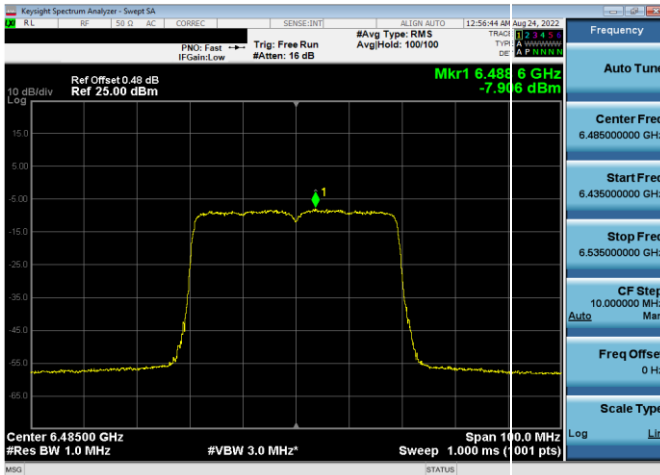
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).



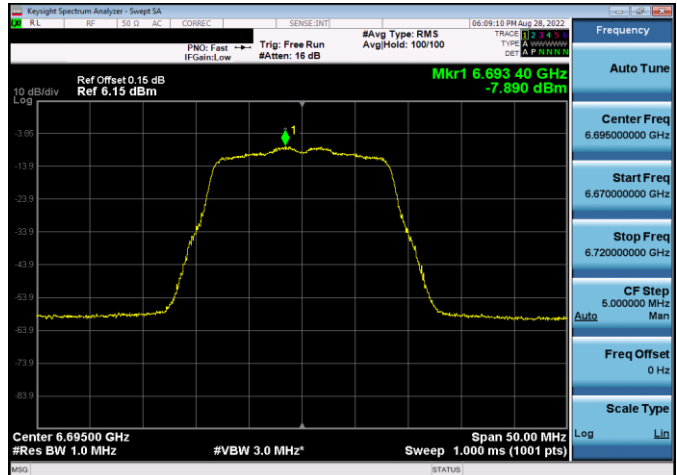
Plot 7-207. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS4)



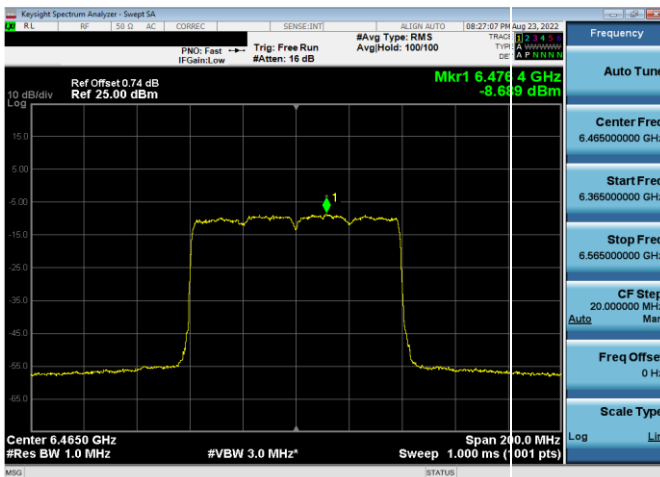
Plot 7-210. Power Spectral Density Plot Antenna 4a (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS4)



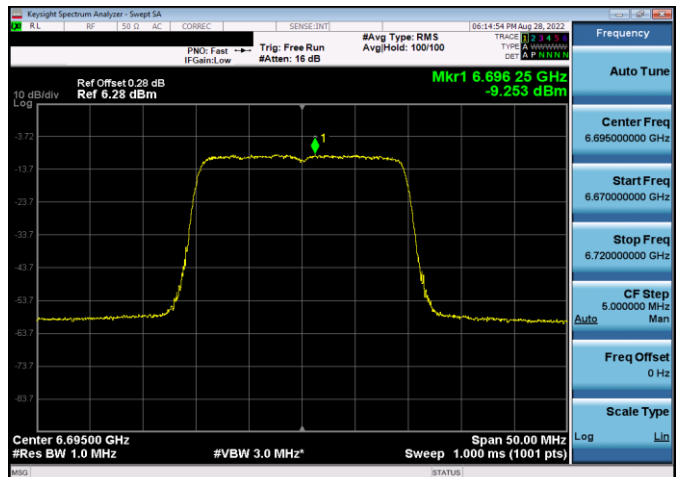
Plot 7-208. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS4)



Plot 7-211. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 7) – Ch. 149, 24Mbps)

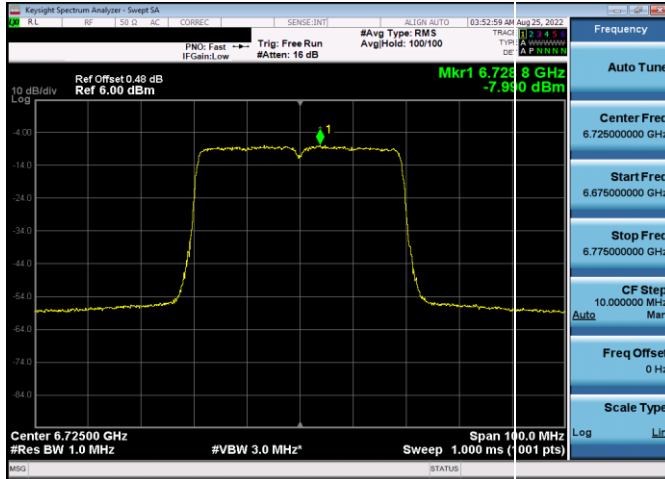


Plot 7-209. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS4)

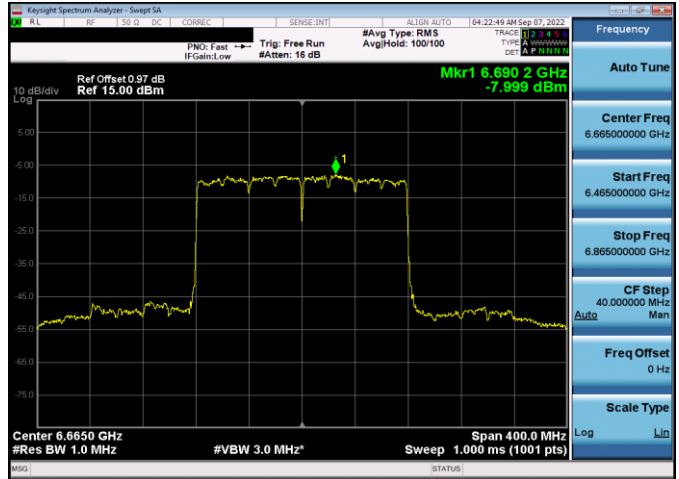


Plot 7-212. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS4)

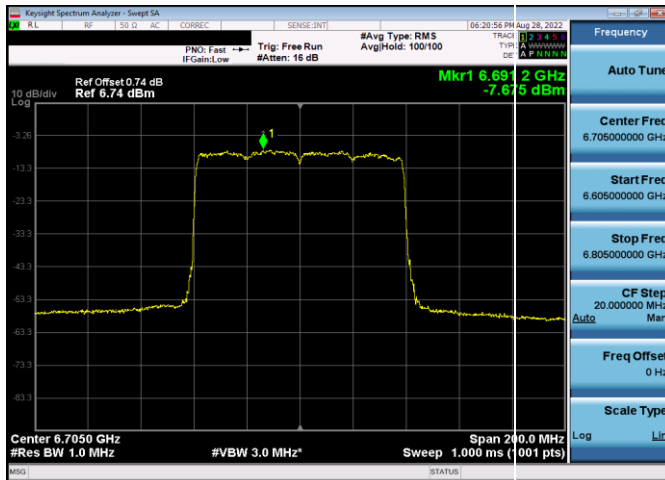
|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| 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 89 of 282                    |



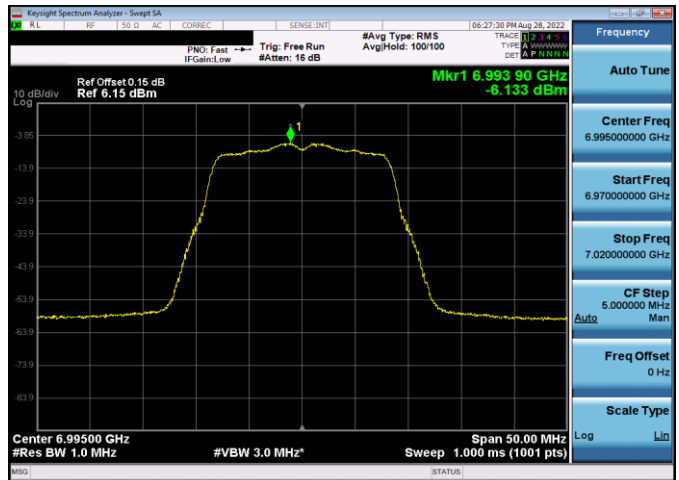
Plot 7-213. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS4)



Plot 7-215. Power Spectral Density Plot Antenna 4a (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS4)



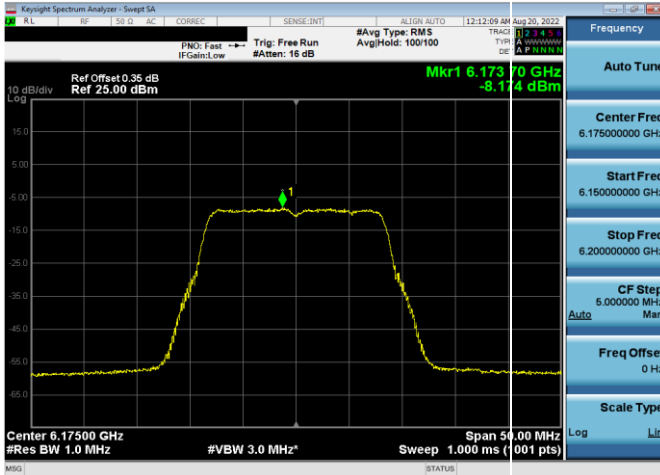
Plot 7-214. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS4)



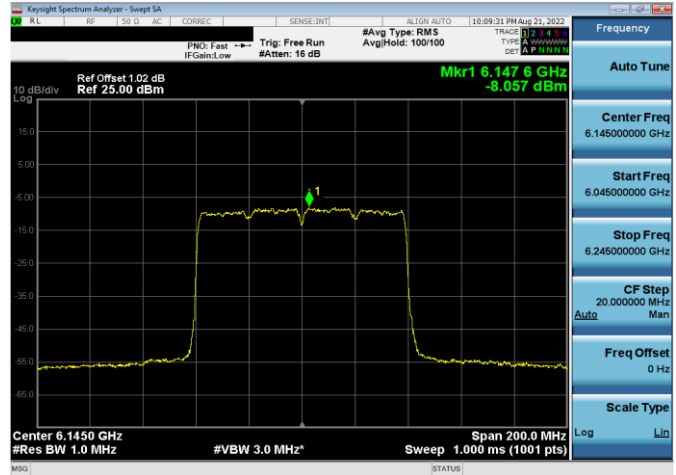
Plot 7-216. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 8) – Ch. 209, 24Mbps)

|                                            |                                       |                                       |                                   |
|--------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| 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 90 of 282                    |

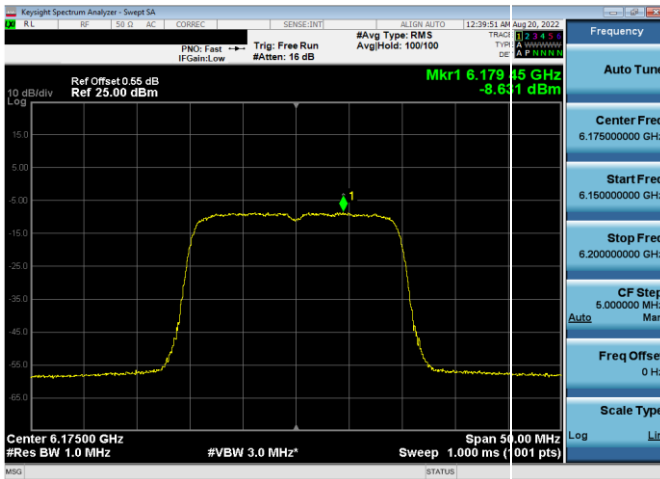
## High Data Rate



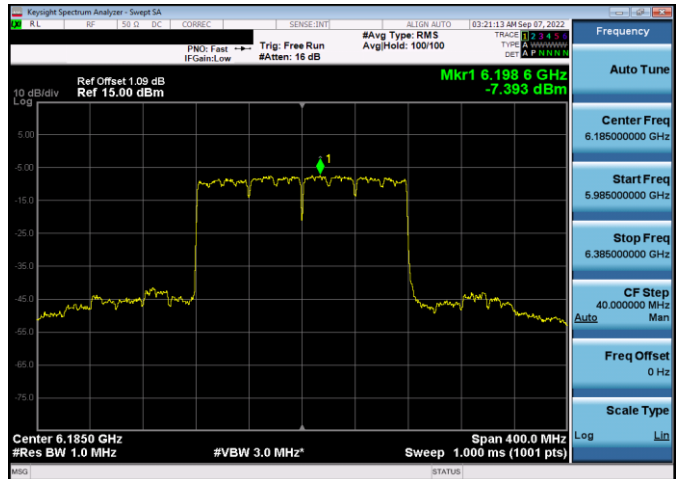
Plot 7-217. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 5) – Ch. 45, 54Mbps)



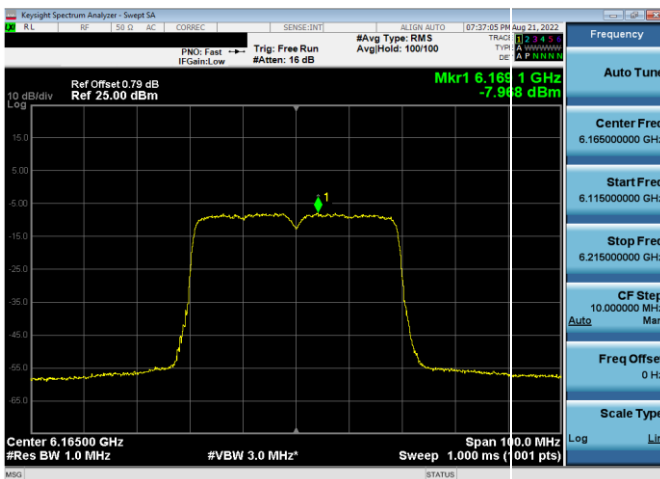
Plot 7-220. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS11)



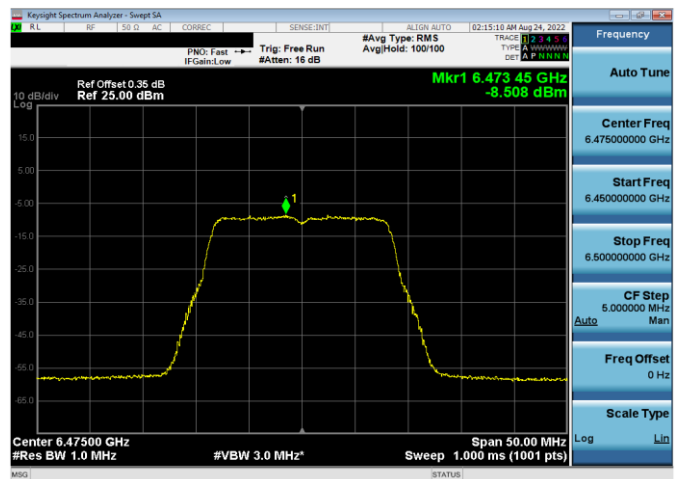
Plot 7-218. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS11)



Plot 7-221. Power Spectral Density Plot Antenna 4a (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS11)



Plot 7-219. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS11)



Plot 7-222. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 6) – Ch. 105, 54Mbps)

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| 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 91 of 282                    |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).