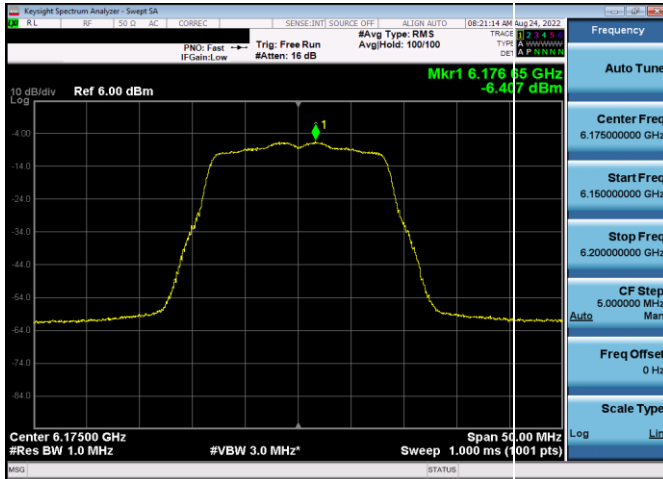
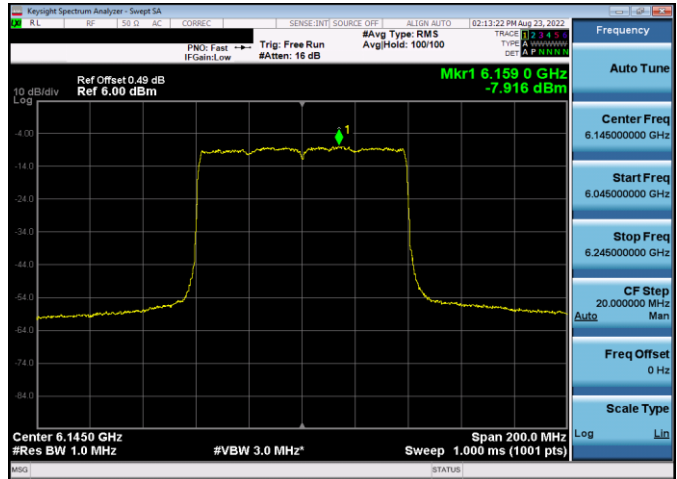


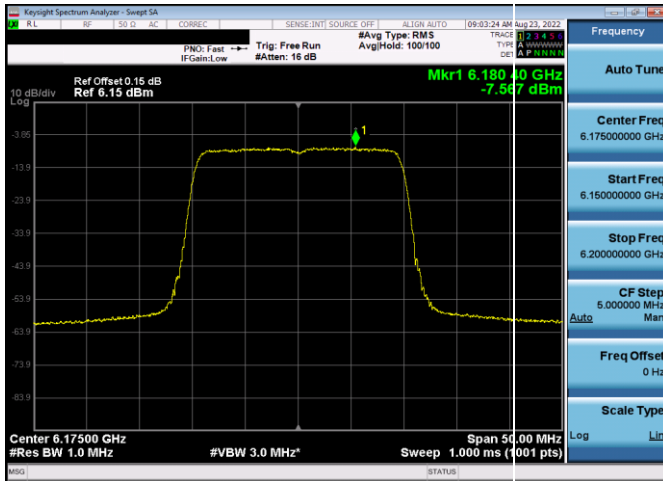
## Low Data Rate



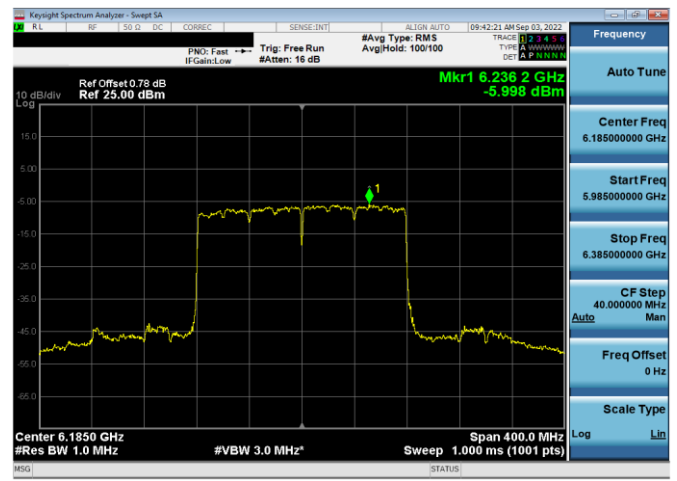
Plot 7-121. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 5) – Ch. 45, MCS2)



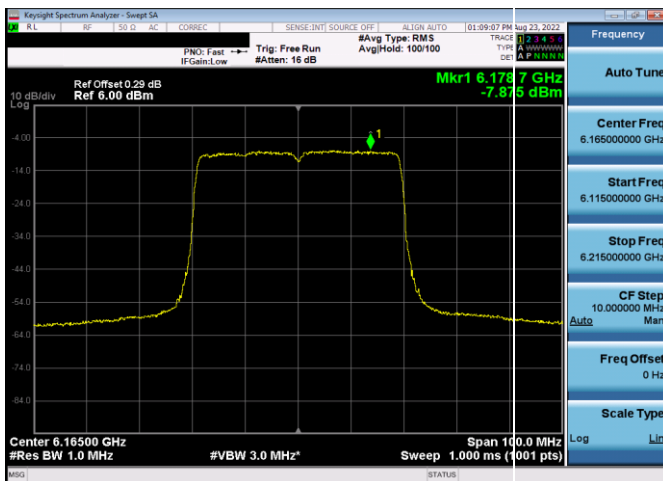
Plot 7-124. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS2)



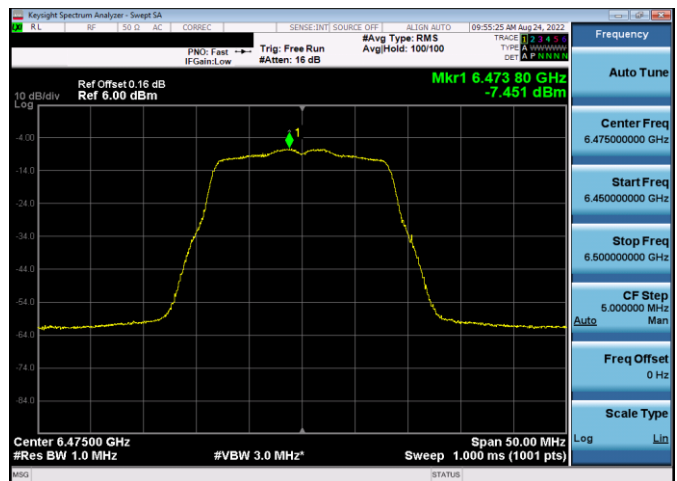
Plot 7-122. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS2)



Plot 7-125. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS2)



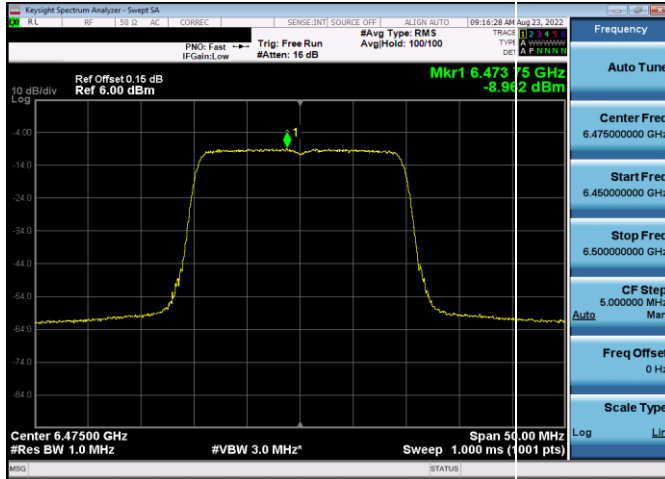
Plot 7-123. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS2)



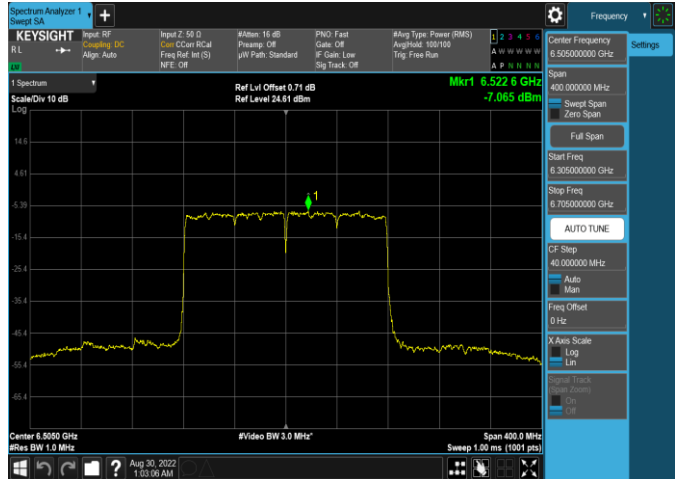
Plot 7-126. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 6) – Ch. 105, MCS2)

|                                            |                                      |                                       |                                   |
|--------------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022 | EUT Type:<br>Tablet Device            | Page 68 of 282                    |

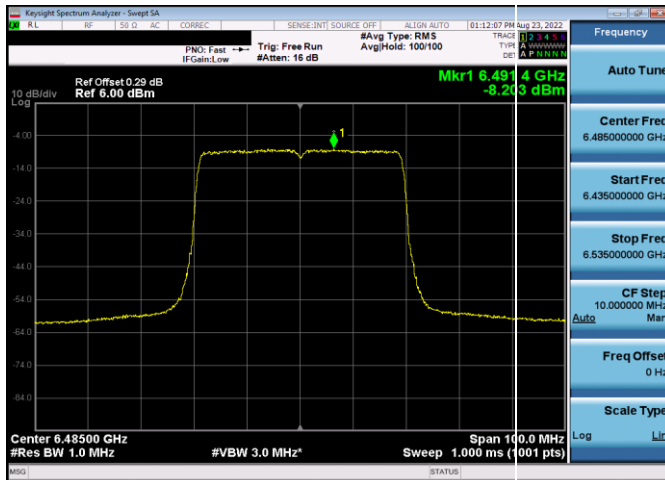
V 10.5 12/15/2021



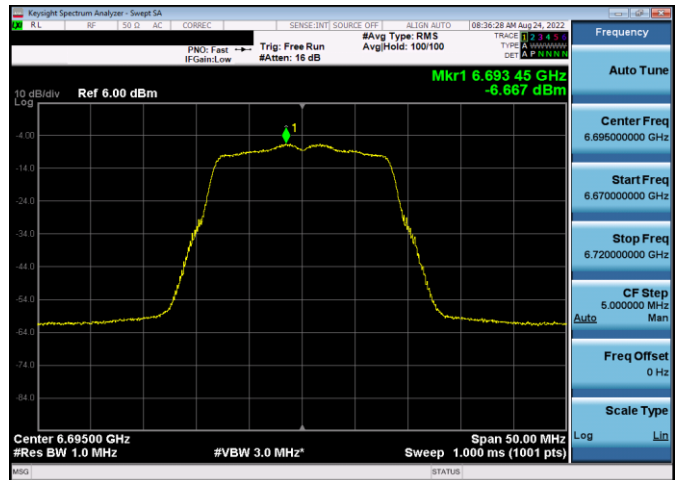
Plot 7-127. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS2)



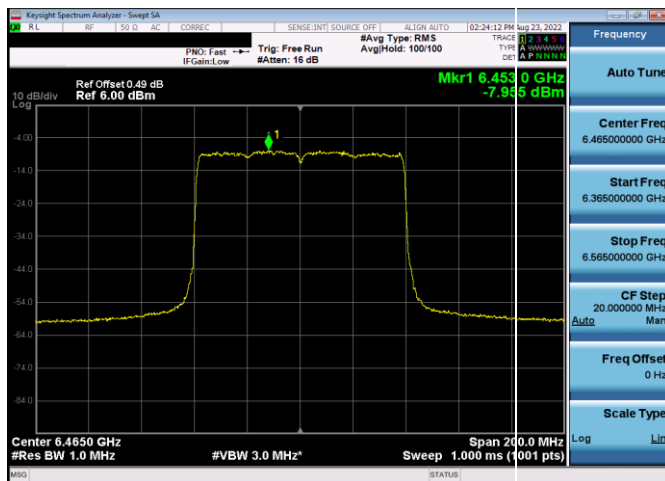
Plot 7-130. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS2)



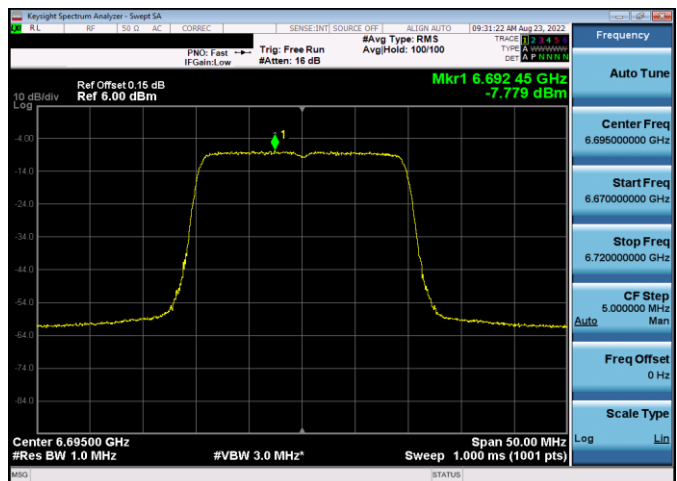
Plot 7-128. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS2)



Plot 7-131. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 7) – Ch. 149, MCS2)

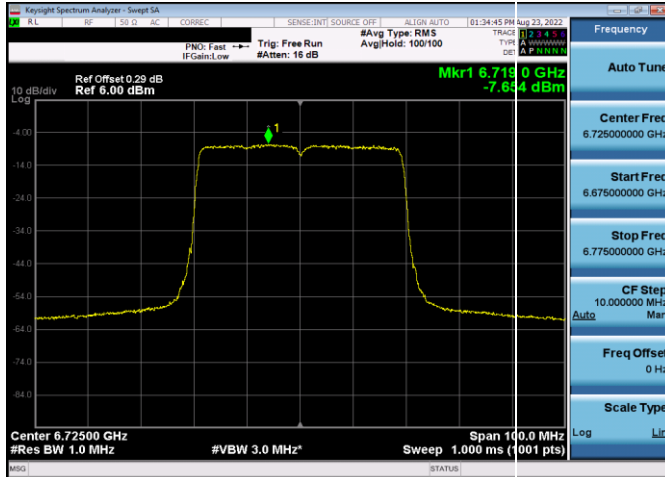


Plot 7-129. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS2)

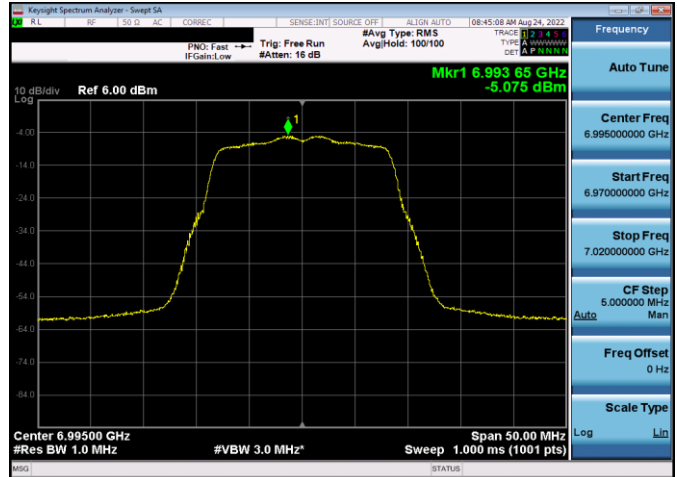


Plot 7-132. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS2)

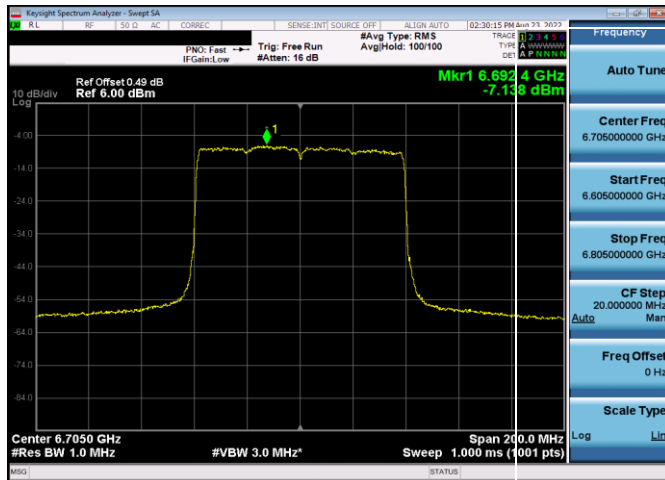
|                                            |                                      |                                       |                                   |
|--------------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022 | EUT Type:<br>Tablet Device            | Page 69 of 282                    |



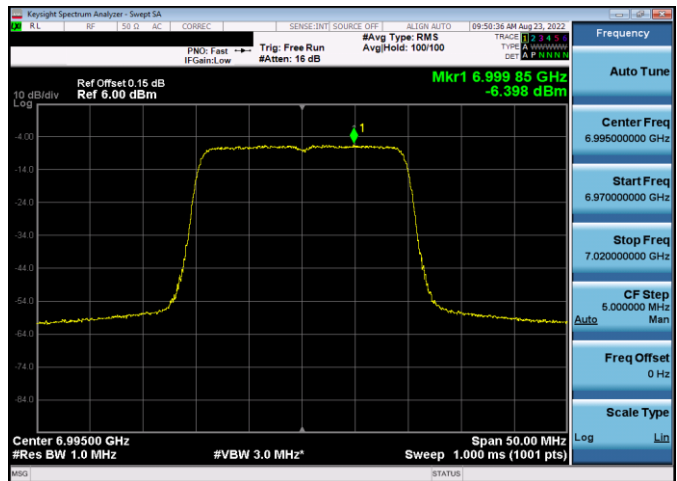
Plot 7-133. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS2)



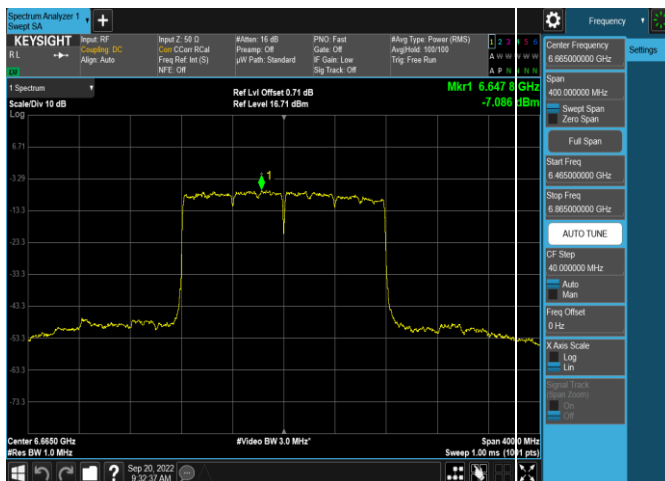
Plot 7-136. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 8) – Ch. 209, MCS2)



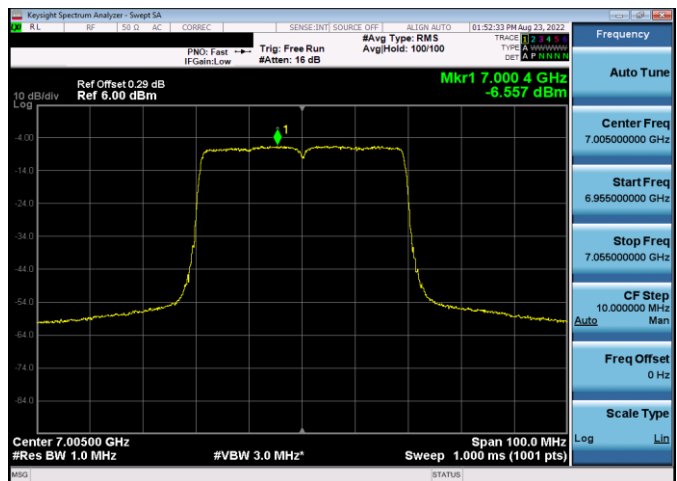
Plot 7-134. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS2)



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

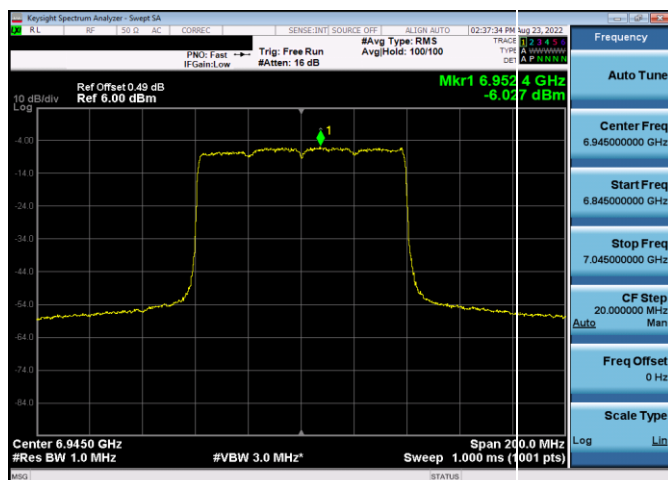


Plot 7-135. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS2)

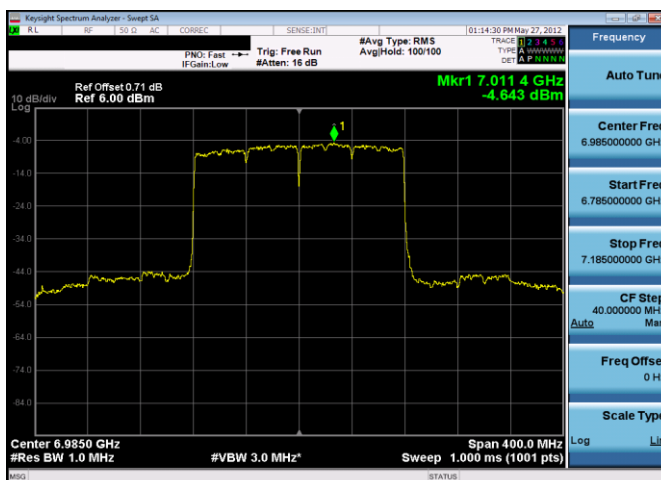


Plot 7-138. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS2)

|                                            |                                      |                                       |                                   |
|--------------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022 | EUT Type:<br>Tablet Device            | Page 70 of 282                    |



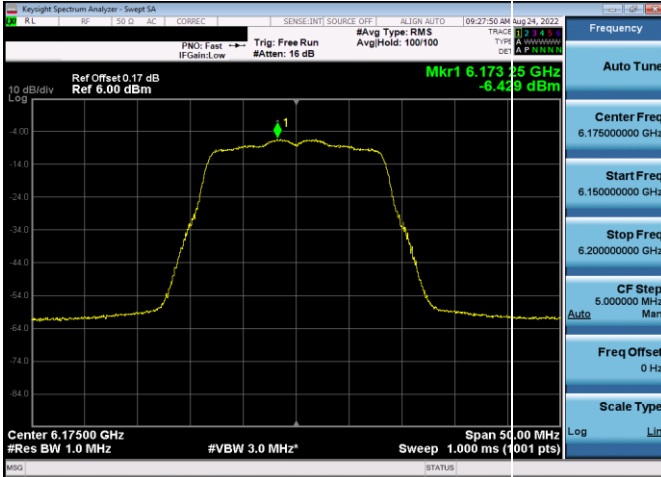
Plot 7-139. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS2)



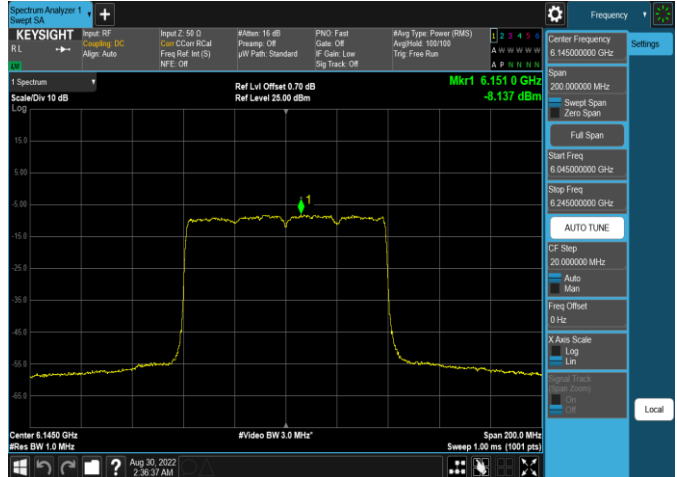
Plot 7-140. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS2)

|                                            |                                                                                                                                   |                            |                                          |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | <b>Approved by:</b><br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022                                                                                              | EUT Type:<br>Tablet Device | Page 71 of 282                           |

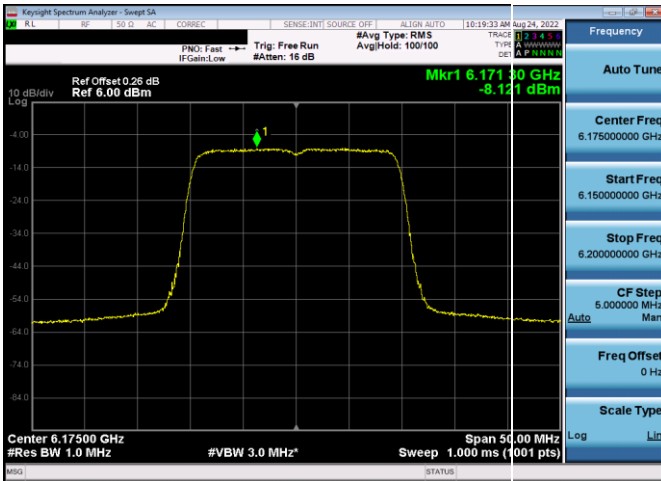
## Mid Data Rate



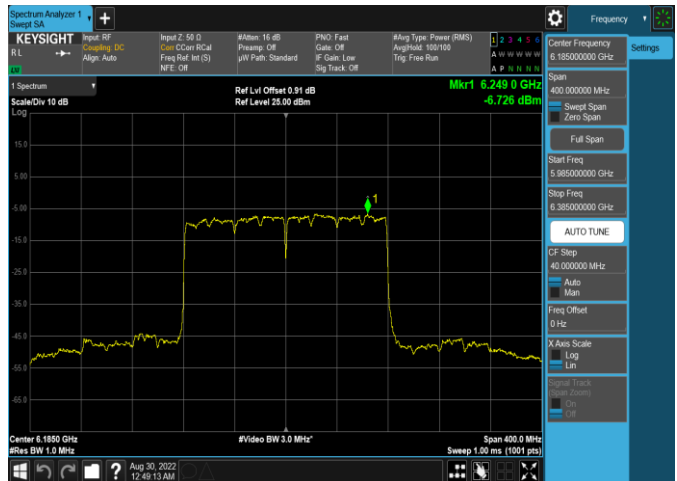
Plot 7-141. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 5) – Ch. 45, MCS4)



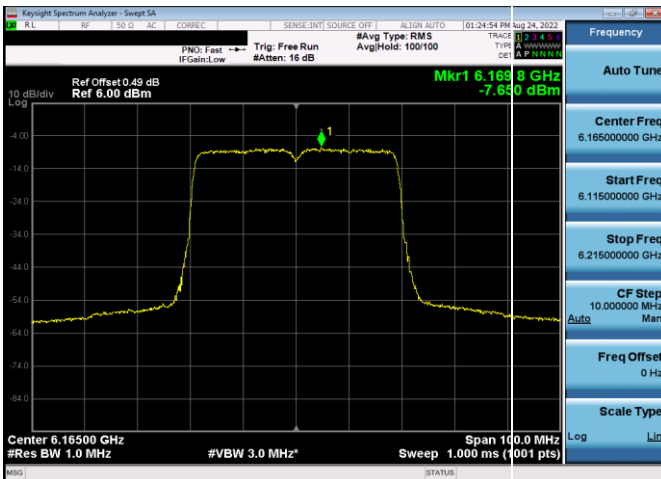
Plot 7-144. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS4)



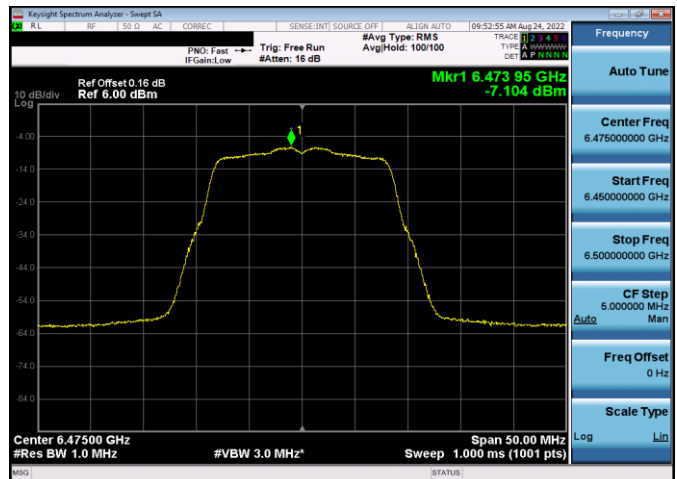
Plot 7-142. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS4)



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



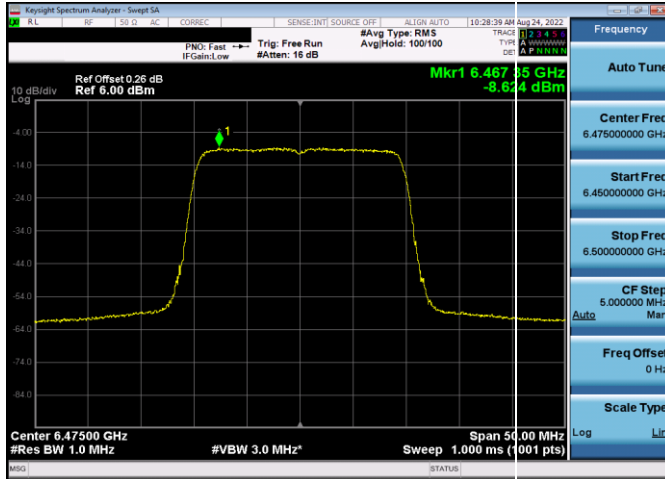
Plot 7-143. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS4)



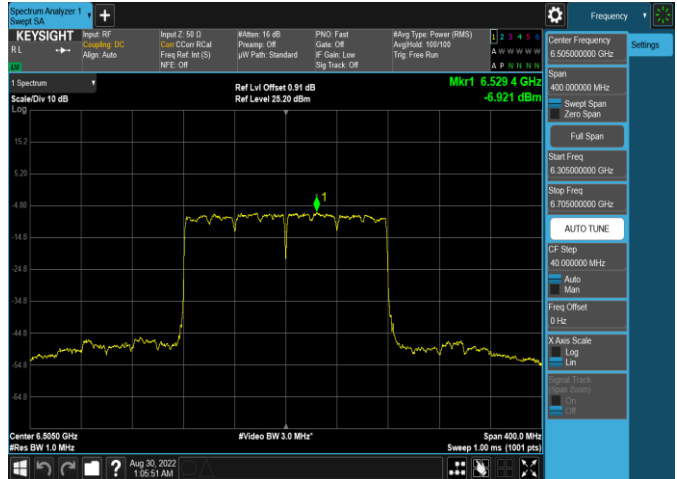
Plot 7-146. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 6) – Ch. 105, MCS4)

|                                            |                                      |                                       |                                   |
|--------------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022 | EUT Type:<br>Tablet Device            | Page 72 of 282                    |

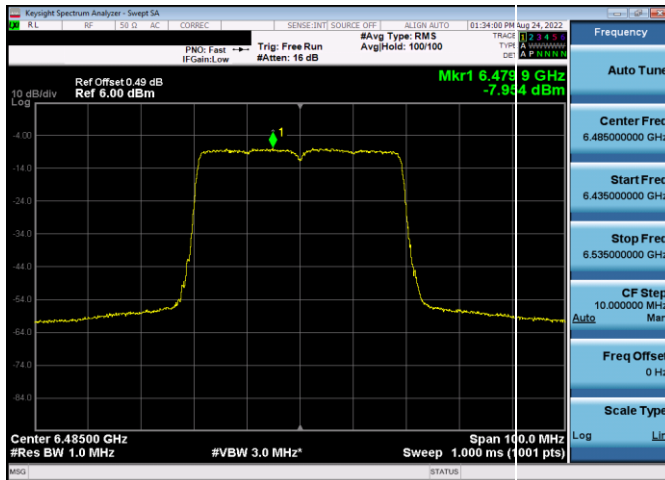




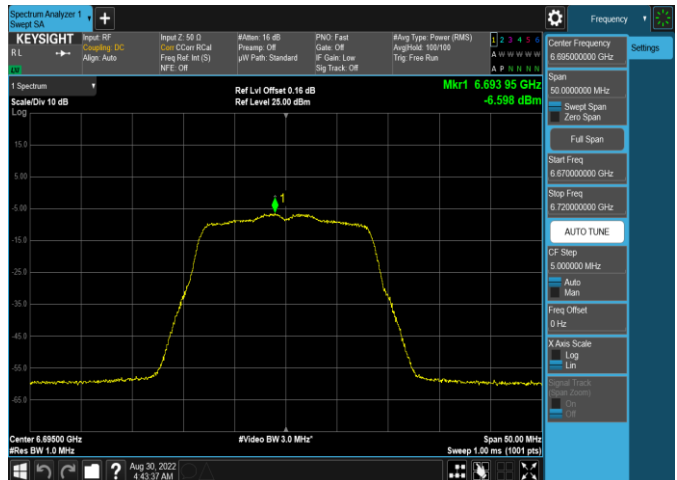
Plot 7-147. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS4)



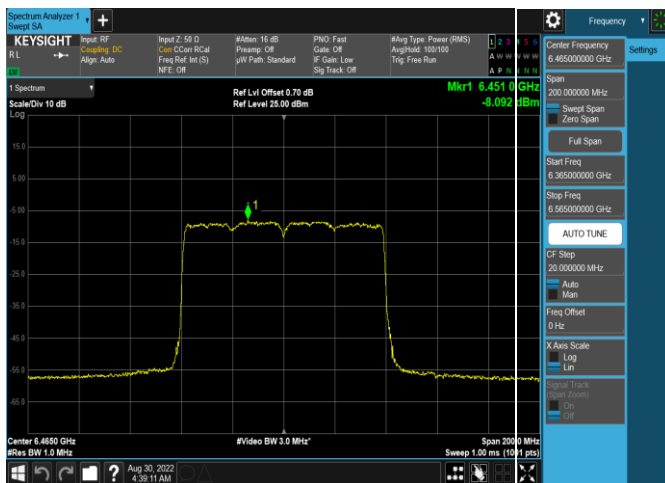
Plot 7-150. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS4)



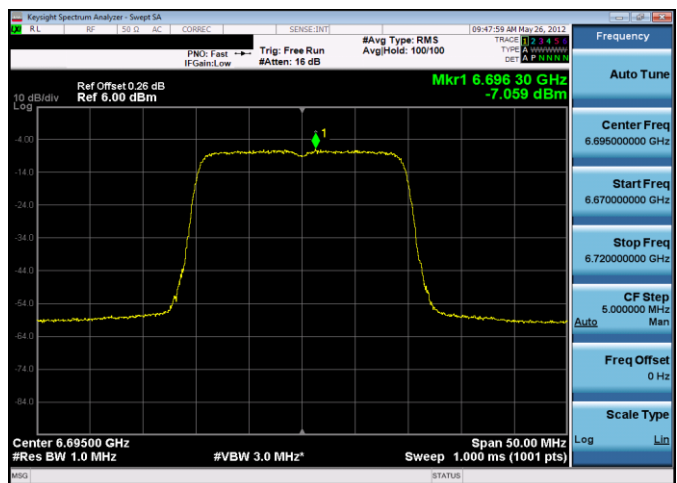
Plot 7-148. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS4)



Plot 7-151. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 7) – Ch. 149, MCS4)

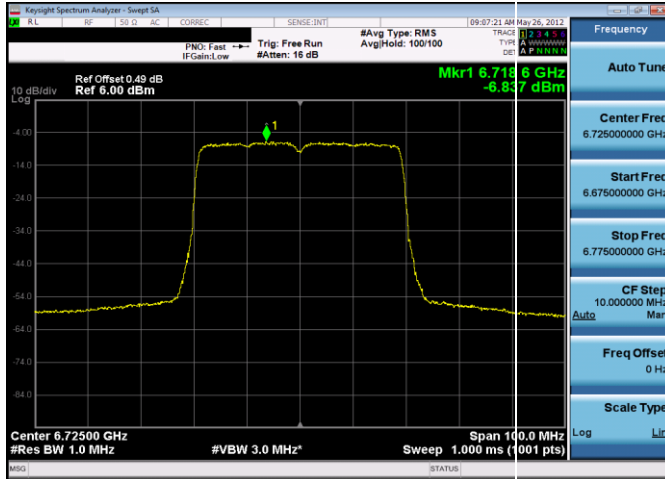


Plot 7-149. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS4)

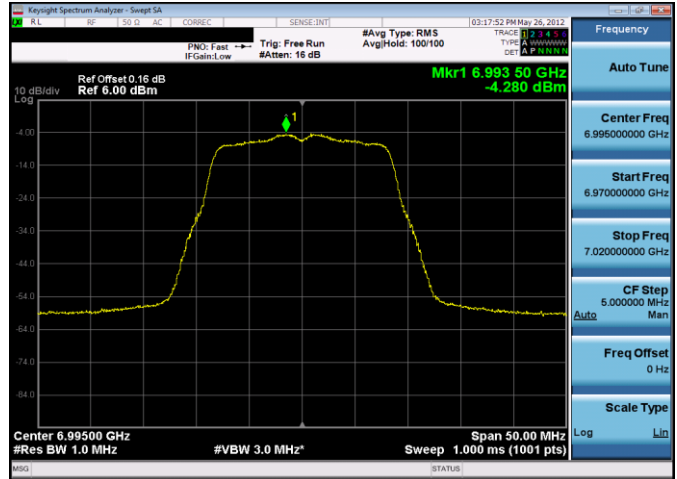


Plot 7-152. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS4)

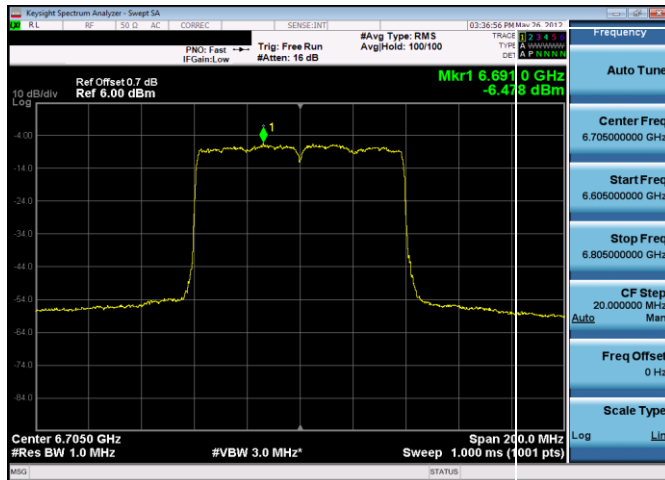
|                                            |                                      |                                       |                                   |
|--------------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022 | EUT Type:<br>Tablet Device            | Page 73 of 282                    |



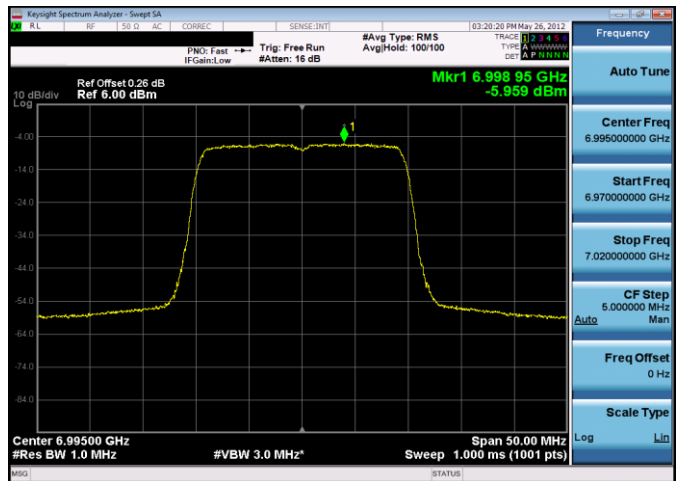
Plot 7-153. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS4)



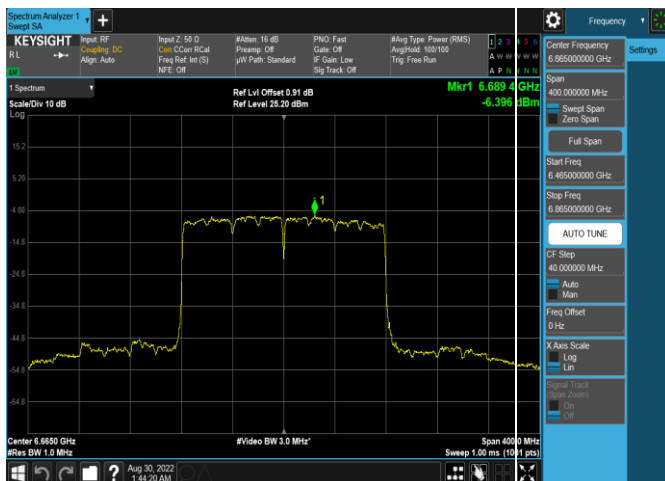
Plot 7-156. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 8) – Ch. 209, MCS4)



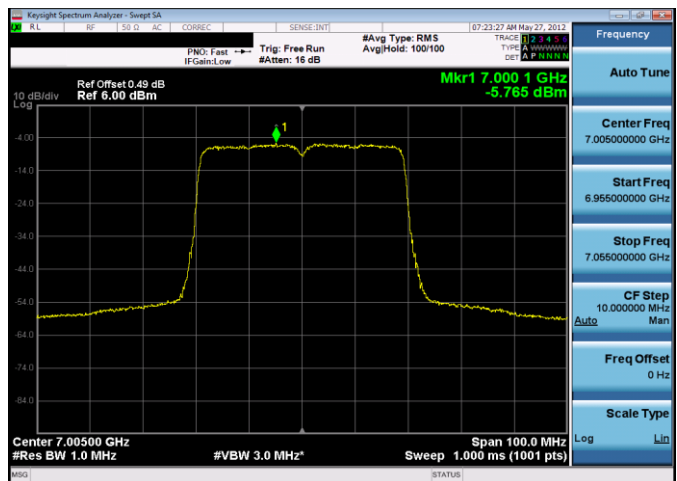
Plot 7-154. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS4)



Plot 7-157. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS4)

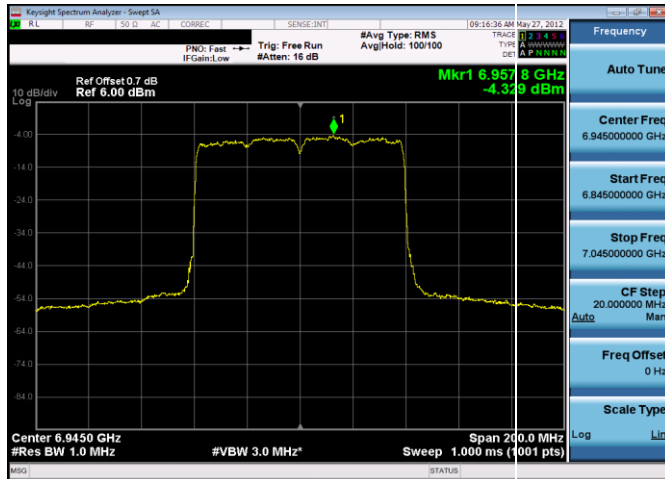


Plot 7-155. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS4)



Plot 7-158. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS4)

|                                            |                                      |                                       |                                   |
|--------------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         |                                      | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022 | EUT Type:<br>Tablet Device            | Page 74 of 282                    |



Plot 7-159. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS4)



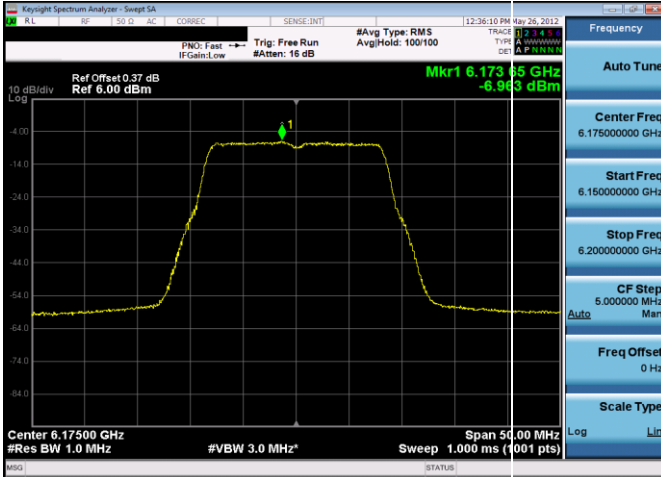
Plot 7-160. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS4)

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022                                                                                              | EUT Type:<br>Tablet Device | Page 75 of 282                    |

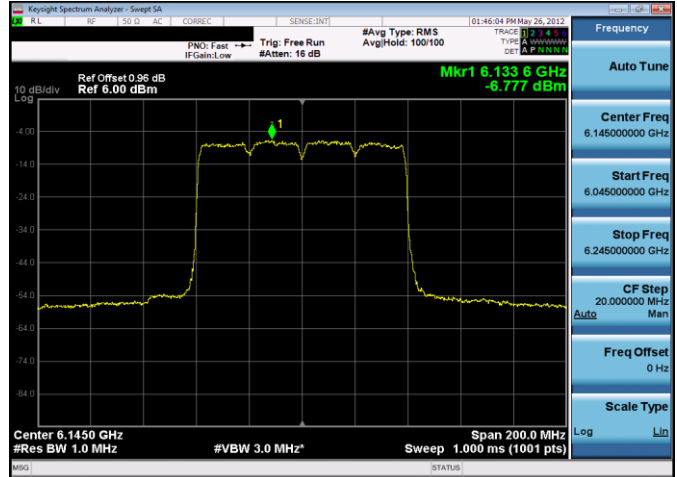
V 10.5 12/15/2021



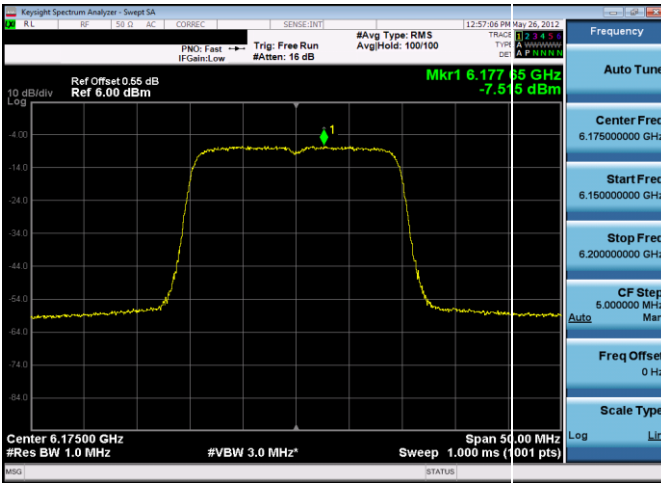
## High Data Rate



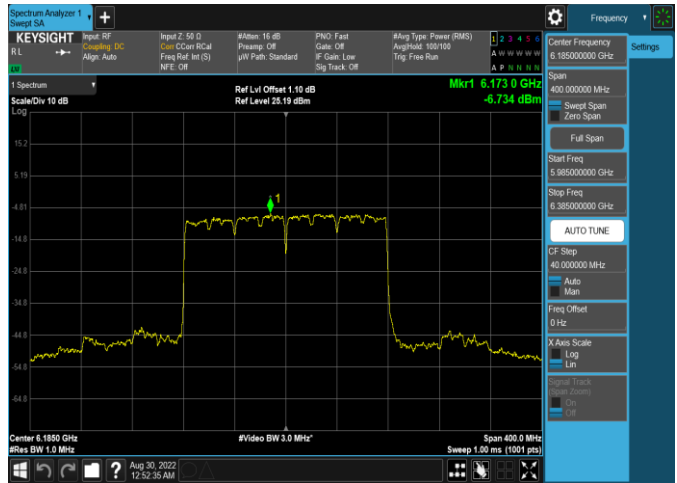
Plot 7-161. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 5) – Ch. 45, MCS11)



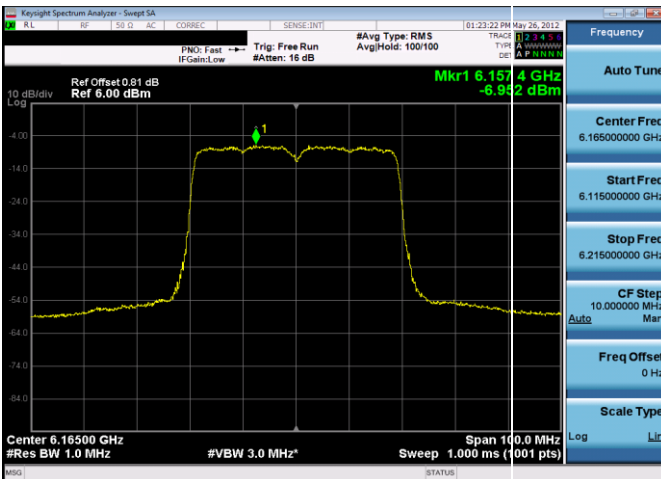
Plot 7-164. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS11)



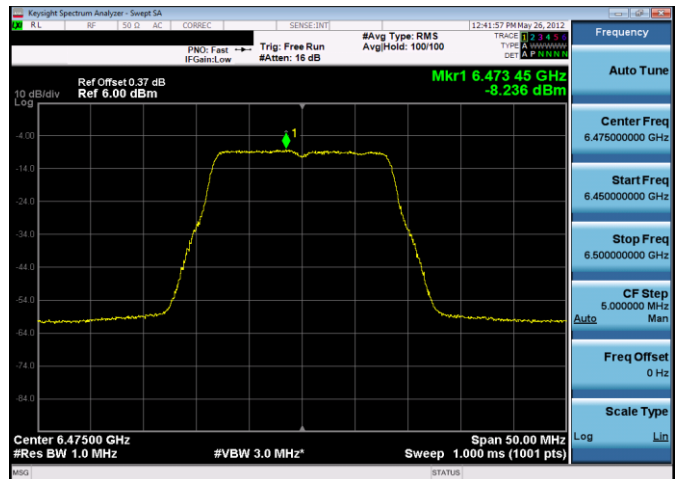
Plot 7-162. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS11)



Plot 7-165. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS11)

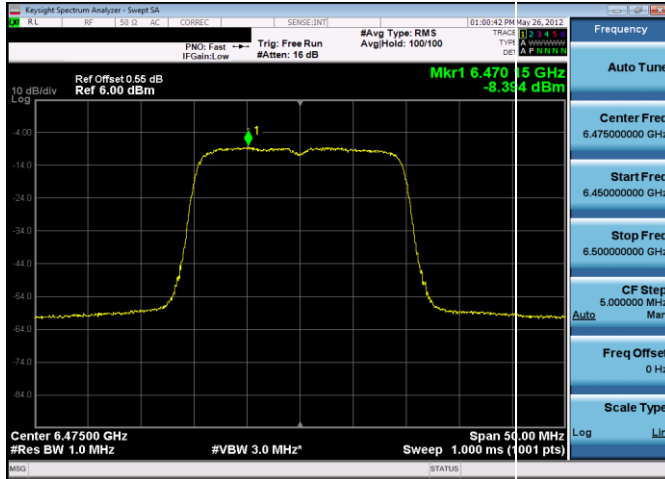


Plot 7-163. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS11)

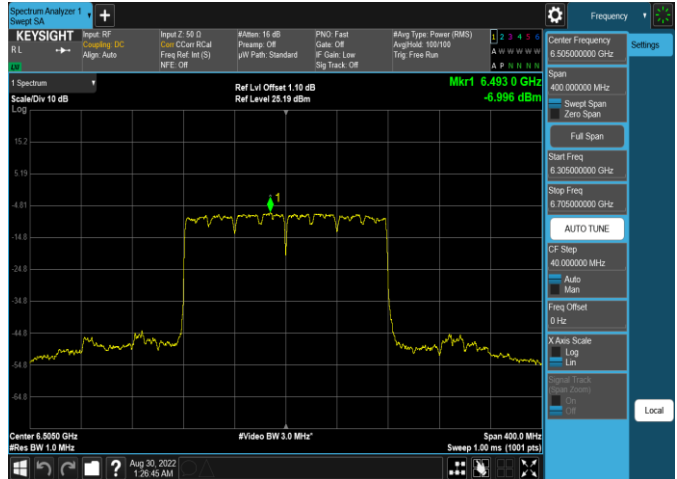


Plot 7-166. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 6) – Ch. 105, MCS11)

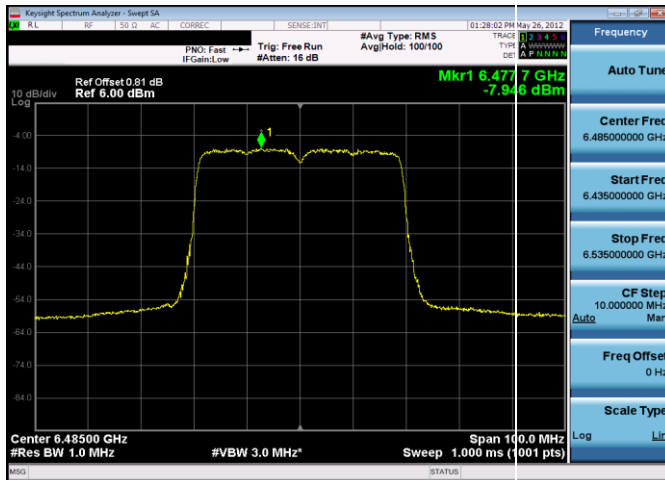
|                                            |                                      |                                       |                                   |
|--------------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         |                                      | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022 | EUT Type:<br>Tablet Device            | Page 76 of 282                    |



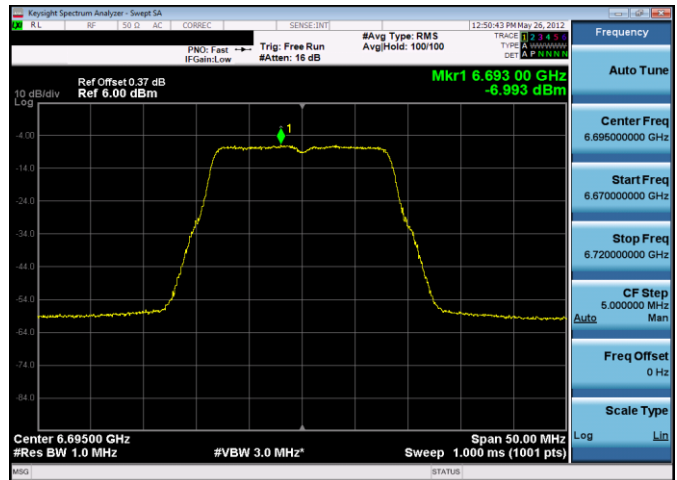
Plot 7-167. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS11)



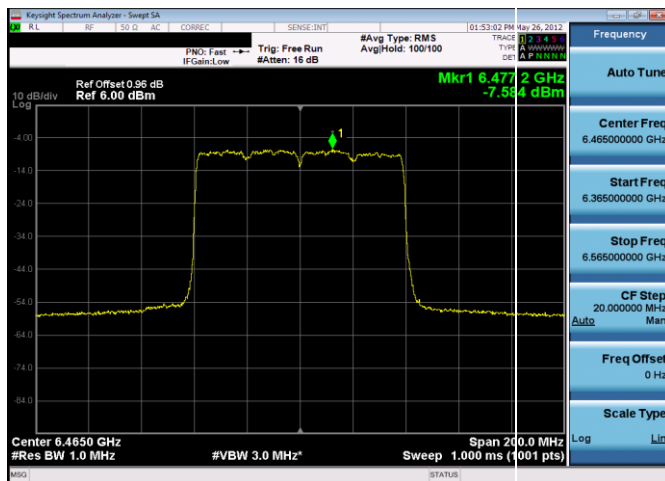
Plot 7-170. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS11)



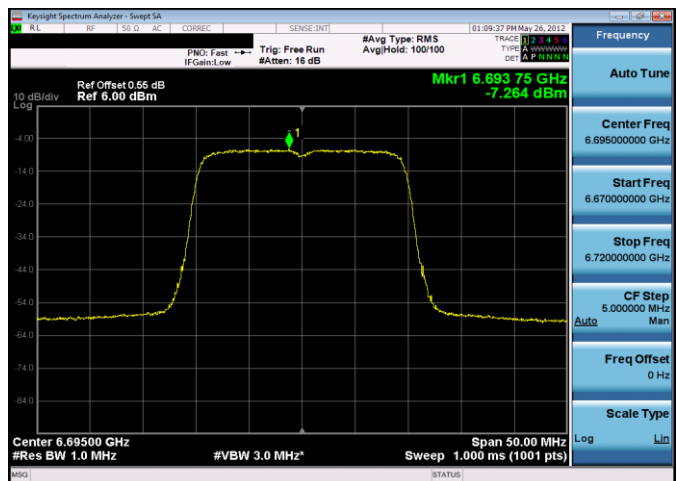
Plot 7-168. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS11)



Plot 7-171. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 7) – Ch. 149, MCS11)

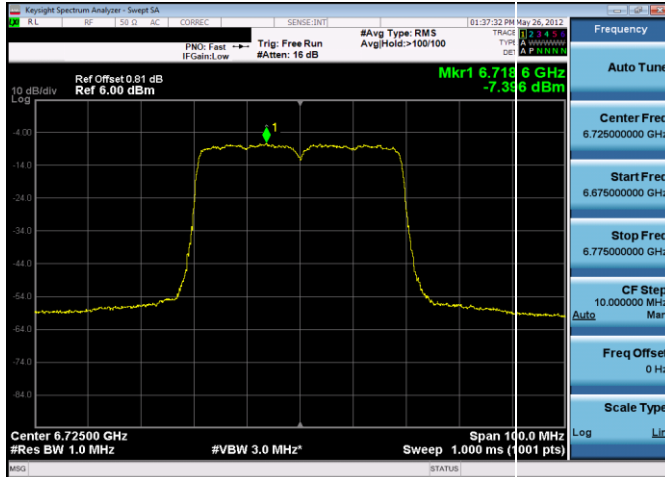


Plot 7-169. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS11)

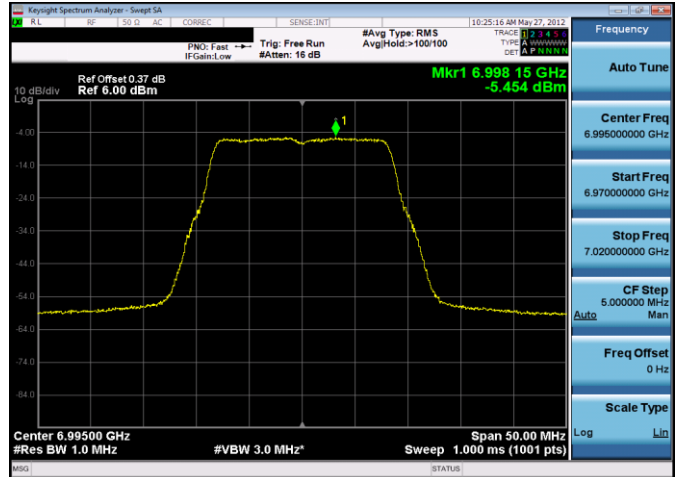


Plot 7-172. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS11)

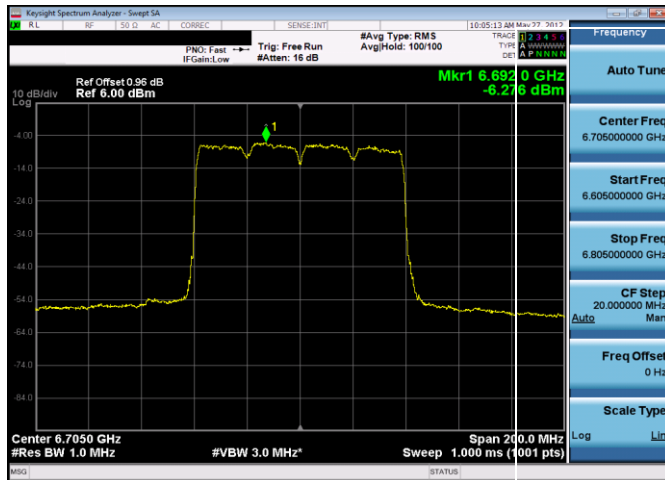
|                                            |                                      |                                       |                                   |
|--------------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022 | EUT Type:<br>Tablet Device            | Page 77 of 282                    |



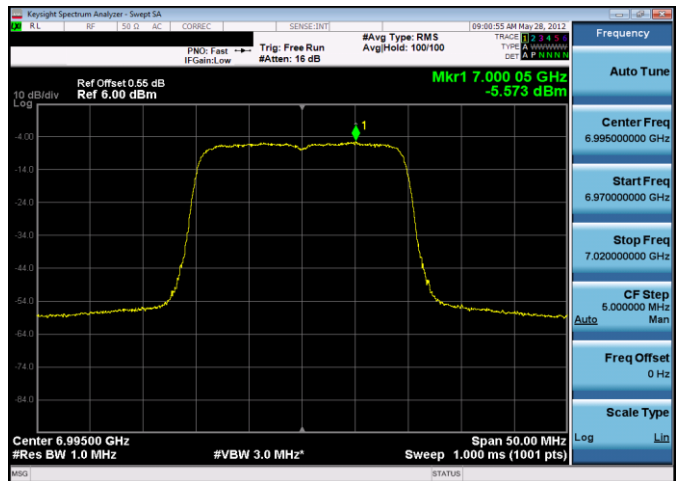
Plot 7-173. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS11)



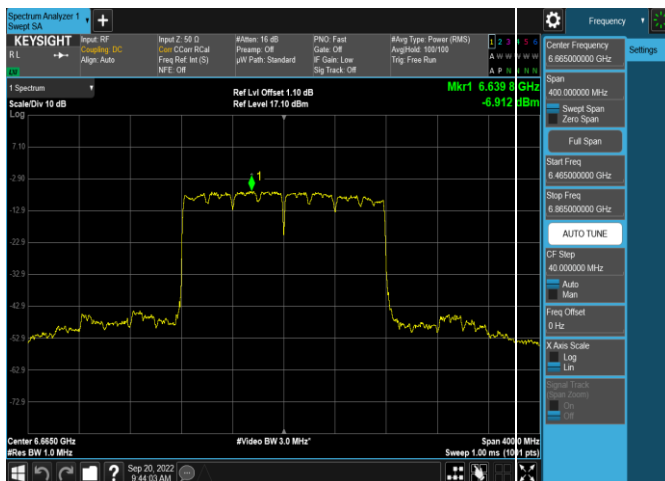
Plot 7-176. Power Spectral Density Plot Antenna 5b (20MHz 802.11a (UNII Band 8) – Ch. 209, MCS11)



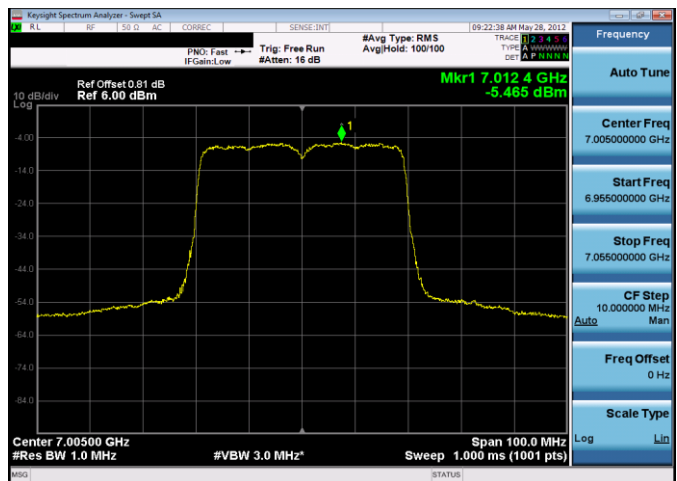
Plot 7-174. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS11)



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

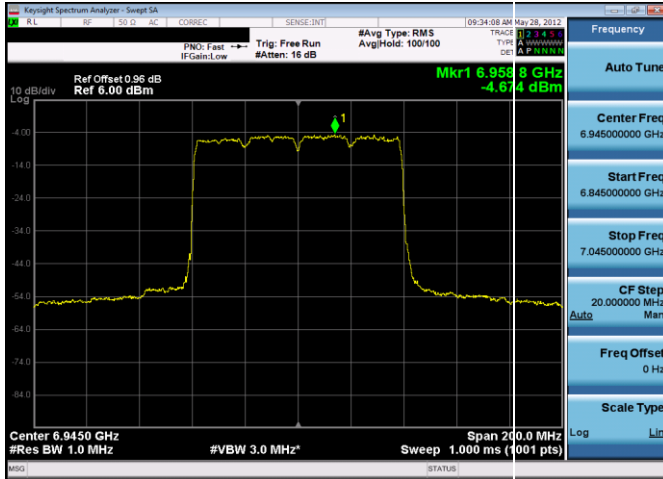


Plot 7-175. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS11)

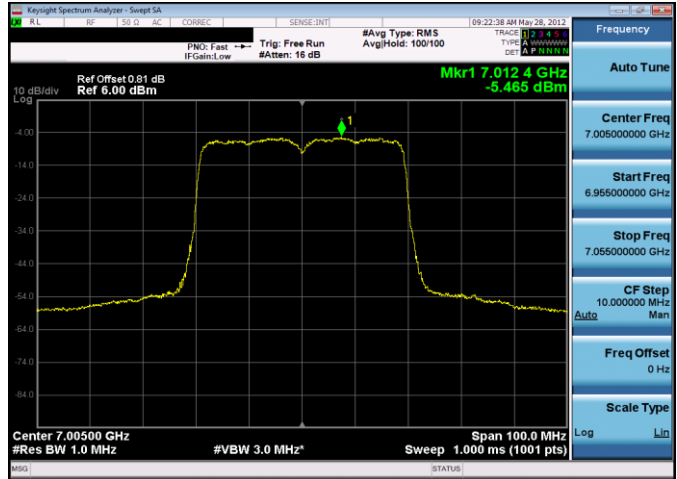


Plot 7-178. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS11)

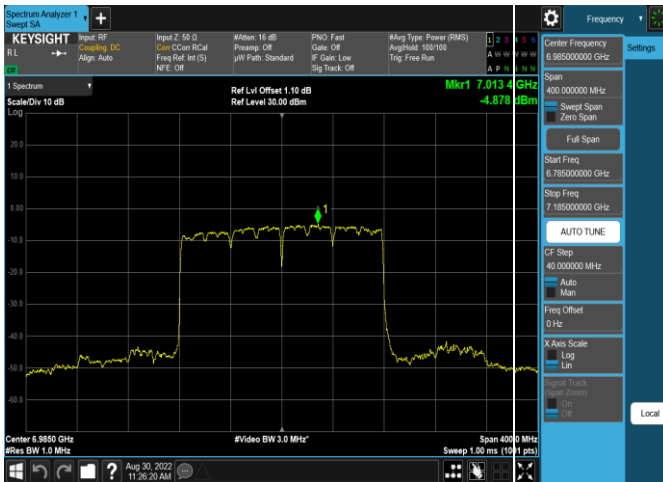
|                                            |                                       |                                   |
|--------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022  | Page 78 of 282                    |
|                                            | EUT Type:<br>Tablet Device            |                                   |



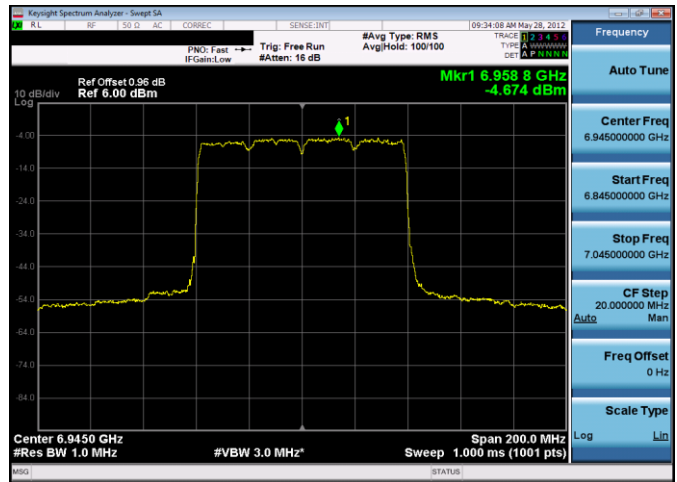
Plot 7-179. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS11)



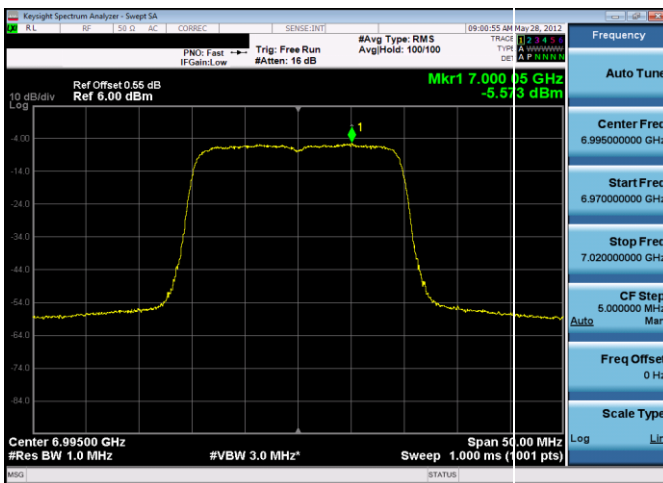
Plot 7-182. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS11)



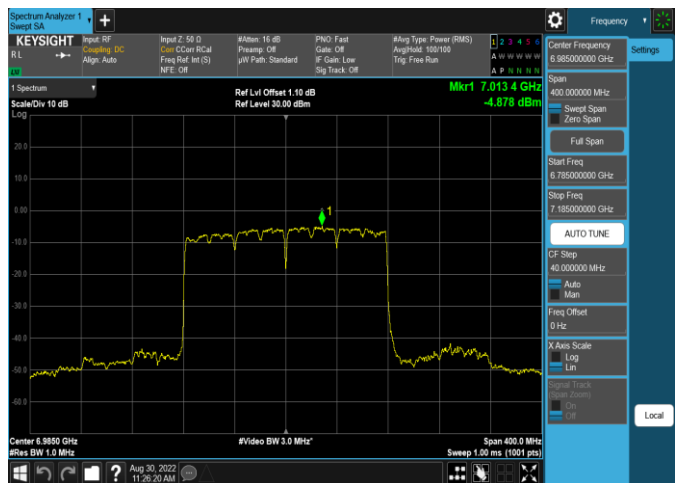
Plot 7-180. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS11)



Plot 7-183. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS11)



Plot 7-181. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS11)



Plot 7-184. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS11)

|                                            |                                      |                                       |                                   |
|--------------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022 | EUT Type:<br>Tablet Device            | Page 79 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                 | -5.71                            | 0.10               | -5.61                     | -1                         | -4.61       |
|        | 6175            | 45          | a           | 12                 | -6.10                            | 1.30               | -4.80                     | -1                         | -3.80       |
|        | 6415            | 93          | a           | 12                 | -9.93                            | 1.80               | -8.13                     | -1                         | -7.13       |
|        | 5955            | 1           | ax (20MHz)  | 24/25.8 (MCS2)     | -7.64                            | 0.10               | -7.54                     | -1                         | -6.54       |
|        | 6175            | 45          | ax (20MHz)  | 24/25.8 (MCS2)     | -7.64                            | 1.30               | -6.34                     | -1                         | -5.34       |
|        | 6415            | 93          | ax (20MHz)  | 24/25.8 (MCS2)     | -10.67                           | 1.80               | -8.87                     | -1                         | -7.87       |
|        | 5965            | 3           | ax (40MHz)  | 49/51.6 (MCS2)     | -7.68                            | 0.10               | -7.58                     | -1                         | -6.58       |
|        | 6165            | 43          | ax (40MHz)  | 49/51.6 (MCS2)     | -7.49                            | 1.30               | -6.19                     | -1                         | -5.19       |
|        | 6405            | 91          | ax (40MHz)  | 49/51.6 (MCS2)     | -8.21                            | 1.40               | -6.81                     | -1                         | -5.81       |
|        | 5985            | 7           | ax (80MHz)  | 102/108.1 (MCS2)   | -7.40                            | 0.10               | -7.30                     | -1                         | -6.30       |
|        | 6145            | 39          | ax (80MHz)  | 102/108.1 (MCS2)   | -7.34                            | 1.30               | -6.04                     | -1                         | -5.04       |
|        | 6385            | 87          | ax (80MHz)  | 102/108.1 (MCS2)   | -8.06                            | 1.40               | -6.66                     | -1                         | -5.66       |
|        | 6025            | 15          | ax (160MHz) | 183.8/216.2 (MCS2) | -7.51                            | 1.70               | -5.81                     | -1                         | -4.81       |
|        | 6185            | 47          | ax (160MHz) | 183.8/216.2 (MCS2) | -7.24                            | 1.30               | -5.94                     | -1                         | -4.94       |
| Band 6 | 6345            | 79          | ax (160MHz) | 183.8/216.2 (MCS2) | -8.22                            | 1.40               | -6.82                     | -1                         | -5.82       |
|        | 6435            | 97          | a           | 12                 | -7.78                            | 1.80               | -5.98                     | -1                         | -4.98       |
|        | 6475            | 105         | a           | 12                 | -8.21                            | 1.80               | -6.41                     | -1                         | -5.41       |
|        | 6515            | 113         | a           | 12                 | -13.80                           | 1.10               | -12.70                    | -1                         | -11.70      |
|        | 6435            | 97          | ax (20MHz)  | 24/25.8 (MCS2)     | -8.69                            | 1.80               | -6.89                     | -1                         | -5.89       |
|        | 6475            | 105         | ax (20MHz)  | 24/25.8 (MCS2)     | -9.58                            | 1.80               | -7.78                     | -1                         | -6.78       |
|        | 6515            | 113         | ax (20MHz)  | 24/25.8 (MCS2)     | -9.29                            | 1.10               | -8.19                     | -1                         | -7.19       |
|        | 6445            | 99          | ax (40MHz)  | 49/51.6 (MCS2)     | -8.27                            | 1.80               | -6.47                     | -1                         | -5.47       |
|        | 6485            | 107         | ax (40MHz)  | 49/51.6 (MCS2)     | -8.54                            | 1.80               | -6.74                     | -1                         | -5.74       |
|        | 6525            | 115         | ax (40MHz)  | 49/51.6 (MCS2)     | -8.28                            | 1.10               | -7.18                     | -1                         | -6.18       |
| Band 7 | 6465            | 103         | ax (80MHz)  | 102/108.1 (MCS2)   | -8.49                            | 1.80               | -6.69                     | -1                         | -5.69       |
|        | 6505            | 111         | ax (160MHz) | 183.8/216.2 (MCS2) | -8.15                            | 1.10               | -7.05                     | -1                         | -6.05       |
|        | 6535            | 117         | a           | 12                 | -7.03                            | 1.10               | -5.93                     | -1                         | -4.93       |
|        | 6695            | 149         | a           | 12                 | -6.76                            | 0.60               | -6.16                     | -1                         | -5.16       |
|        | 6875            | 185         | a           | 12                 | -5.83                            | -1.00              | -6.83                     | -1                         | -5.83       |
|        | 6535            | 117         | ax (20MHz)  | 24/25.8 (MCS2)     | -8.34                            | 1.10               | -7.24                     | -1                         | -6.24       |
|        | 6695            | 149         | ax (20MHz)  | 24/25.8 (MCS2)     | -7.82                            | 0.60               | -7.22                     | -1                         | -6.22       |
|        | 6875            | 185         | ax (20MHz)  | 24/25.8 (MCS2)     | -6.87                            | -1.00              | -7.87                     | -1                         | -6.87       |
|        | 6565            | 123         | ax (40MHz)  | 49/51.6 (MCS2)     | -8.38                            | 1.10               | -7.28                     | -1                         | -6.28       |
|        | 6725            | 155         | ax (40MHz)  | 49/51.6 (MCS2)     | -7.64                            | 0.70               | -6.94                     | -1                         | -5.94       |
|        | 6845            | 179         | ax (40MHz)  | 49/51.6 (MCS2)     | -6.72                            | -1.00              | -7.72                     | -1                         | -6.72       |
|        | 6545            | 119         | ax (80MHz)  | 102/108.1 (MCS2)   | -8.19                            | 1.10               | -7.09                     | -1                         | -6.09       |
| Band 8 | 6705            | 151         | ax (80MHz)  | 102/108.1 (MCS2)   | -7.56                            | 0.60               | -6.96                     | -1                         | -5.96       |
|        | 6865            | 183         | ax (80MHz)  | 102/108.1 (MCS2)   | -6.38                            | -1.00              | -7.38                     | -1                         | -6.38       |
|        | 6665            | 143         | ax (160MHz) | 183.8/216.2 (MCS2) | -7.62                            | 0.60               | -7.02                     | -1                         | -6.02       |
|        | 6825            | 175         | ax (160MHz) | 183.8/216.2 (MCS2) | -6.71                            | -1.00              | -7.71                     | -1                         | -6.71       |
|        | 6895            | 189         | a           | 12                 | -4.52                            | -1.00              | -5.52                     | -1                         | -4.52       |
|        | 6995            | 209         | a           | 12                 | -4.28                            | -2.00              | -6.28                     | -1                         | -5.28       |
|        | 7115            | 233         | a           | 12                 | -5.39                            | -3.00              | -8.39                     | -1                         | -7.39       |
|        | 6895            | 189         | ax (20MHz)  | 24/25.8 (MCS2)     | -5.46                            | -1.00              | -6.46                     | -1                         | -5.46       |
|        | 6995            | 209         | ax (20MHz)  | 24/25.8 (MCS2)     | -5.88                            | -2.00              | -7.88                     | -1                         | -6.88       |
|        | 7115            | 233         | ax (20MHz)  | 24/25.8 (MCS2)     | -6.59                            | -3.00              | -9.59                     | -1                         | -8.59       |
|        | 6885            | 187         | ax (40MHz)  | 49/51.6 (MCS2)     | -7.08                            | -1.00              | -8.08                     | -1                         | -7.08       |
|        | 7005            | 211         | ax (40MHz)  | 49/51.6 (MCS2)     | -5.86                            | -2.00              | -7.86                     | -1                         | -6.86       |
|        | 7085            | 227         | ax (40MHz)  | 49/51.6 (MCS2)     | -4.98                            | -3.00              | -7.98                     | -1                         | -6.98       |
|        | 6945            | 199         | ax (80MHz)  | 102/108.1 (MCS2)   | -5.47                            | -2.00              | -7.47                     | -1                         | -6.47       |
|        | 7025            | 215         | ax (80MHz)  | 102/108.1 (MCS2)   | -5.00                            | -3.30              | -8.30                     | -1                         | -7.30       |
|        | 6985            | 207         | ax (160MHz) | 183.8/216.2 (MCS2) | -5.57                            | -2.00              | -7.57                     | -1                         | -6.57       |

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

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022                                                                                              | EUT Type:<br>Tablet Device | Page 80 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                 | -5.42                            | 0.10               | -5.32                     | -1                         | -4.32       |
|        | 6175            | 45          | a           | 24                 | -5.49                            | 1.30               | -4.19                     | -1                         | -3.19       |
|        | 6415            | 93          | a           | 24                 | -8.84                            | 1.80               | -7.04                     | -1                         | -6.04       |
|        | 5955            | 1           | ax (20MHz)  | 49/51.6 (MCS4)     | -7.86                            | 0.10               | -7.76                     | -1                         | -6.76       |
|        | 6175            | 45          | ax (20MHz)  | 49/51.6 (MCS4)     | -7.81                            | 1.30               | -6.51                     | -1                         | -5.51       |
|        | 6415            | 93          | ax (20MHz)  | 49/51.6 (MCS4)     | -10.22                           | 1.80               | -8.42                     | -1                         | -7.42       |
|        | 5965            | 3           | ax (40MHz)  | 98/103.2 (MCS4)    | -6.51                            | 0.10               | -6.41                     | -1                         | -5.41       |
|        | 6165            | 43          | ax (40MHz)  | 98/103.2 (MCS4)    | -7.72                            | 1.30               | -6.42                     | -1                         | -5.42       |
|        | 6405            | 91          | ax (40MHz)  | 98/103.2 (MCS4)    | -8.30                            | 1.40               | -6.90                     | -1                         | -5.90       |
|        | 5985            | 7           | ax (80MHz)  | 204/216.2 (MCS4)   | -8.87                            | 0.10               | -8.77                     | -1                         | -7.77       |
|        | 6145            | 39          | ax (80MHz)  | 204/216.2 (MCS4)   | -9.36                            | 1.30               | -8.06                     | -1                         | -7.06       |
|        | 6385            | 87          | ax (80MHz)  | 204/216.2 (MCS4)   | -9.74                            | 1.40               | -8.34                     | -1                         | -7.34       |
|        | 6025            | 15          | ax (160MHz) | 367.5/432.4 (MCS4) | -7.37                            | 1.70               | -5.67                     | -1                         | -4.67       |
| Band 6 | 6185            | 47          | ax (160MHz) | 367.5/432.4 (MCS4) | -7.10                            | 1.30               | -5.80                     | -1                         | -4.80       |
|        | 6345            | 79          | ax (160MHz) | 367.5/432.4 (MCS4) | -7.77                            | 1.40               | -6.37                     | -1                         | -5.37       |
|        | 6435            | 97          | a           | 24                 | -7.47                            | 1.80               | -5.67                     | -1                         | -4.67       |
|        | 6475            | 105         | a           | 24                 | -8.06                            | 1.80               | -6.26                     | -1                         | -5.26       |
|        | 6515            | 113         | a           | 24                 | -8.27                            | 1.10               | -7.17                     | -1                         | -6.17       |
|        | 6435            | 97          | ax (20MHz)  | 49/51.6 (MCS4)     | -8.90                            | 1.80               | -7.10                     | -1                         | -6.10       |
|        | 6475            | 105         | ax (20MHz)  | 49/51.6 (MCS4)     | -9.49                            | 1.80               | -7.69                     | -1                         | -6.69       |
|        | 6515            | 113         | ax (20MHz)  | 49/51.6 (MCS4)     | -9.37                            | 1.10               | -8.27                     | -1                         | -7.27       |
|        | 6445            | 99          | ax (40MHz)  | 98/103.2 (MCS4)    | -8.53                            | 1.80               | -6.73                     | -1                         | -5.73       |
|        | 6485            | 107         | ax (40MHz)  | 98/103.2 (MCS4)    | -8.39                            | 1.80               | -6.59                     | -1                         | -5.59       |
| Band 7 | 6525            | 115         | ax (40MHz)  | 98/103.2 (MCS4)    | -8.28                            | 1.10               | -7.18                     | -1                         | -6.18       |
|        | 6465            | 103         | ax (80MHz)  | 204/216.2 (MCS4)   | -8.83                            | 1.80               | -7.03                     | -1                         | -6.03       |
|        | 6505            | 111         | ax (160MHz) | 367.5/432.4 (MCS4) | -7.55                            | 1.10               | -6.45                     | -1                         | -5.45       |
|        | 6535            | 117         | a           | 24                 | -6.99                            | 1.10               | -5.89                     | -1                         | -4.89       |
|        | 6695            | 149         | a           | 24                 | -6.84                            | 0.60               | -6.24                     | -1                         | -5.24       |
|        | 6875            | 185         | a           | 24                 | -5.69                            | -1.00              | -6.69                     | -1                         | -5.69       |
|        | 6535            | 117         | ax (20MHz)  | 49/51.6 (MCS4)     | -8.21                            | 1.10               | -7.11                     | -1                         | -6.11       |
|        | 6695            | 149         | ax (20MHz)  | 49/51.6 (MCS4)     | -7.36                            | 0.60               | -6.76                     | -1                         | -5.76       |
|        | 6875            | 185         | ax (20MHz)  | 49/51.6 (MCS4)     | -6.93                            | -1.00              | -7.93                     | -1                         | -6.93       |
|        | 6565            | 123         | ax (40MHz)  | 98/103.2 (MCS4)    | -7.93                            | 1.10               | -6.83                     | -1                         | -5.83       |
|        | 6725            | 155         | ax (40MHz)  | 98/103.2 (MCS4)    | -7.70                            | 0.70               | -7.00                     | -1                         | -6.00       |
|        | 6845            | 179         | ax (40MHz)  | 98/103.2 (MCS4)    | -7.33                            | -1.00              | -8.33                     | -1                         | -7.33       |
| Band 8 | 6545            | 119         | ax (80MHz)  | 204/216.2 (MCS4)   | -8.30                            | 1.10               | -7.20                     | -1                         | -6.20       |
|        | 6705            | 151         | ax (80MHz)  | 204/216.2 (MCS4)   | -7.66                            | 0.60               | -7.06                     | -1                         | -6.06       |
|        | 6865            | 183         | ax (80MHz)  | 204/216.2 (MCS4)   | -7.22                            | -1.00              | -8.22                     | -1                         | -7.22       |
|        | 6665            | 143         | ax (160MHz) | 367.5/432.4 (MCS4) | -7.23                            | 0.60               | -6.63                     | -1                         | -5.63       |
|        | 6825            | 175         | ax (160MHz) | 367.5/432.4 (MCS4) | -7.03                            | -1.00              | -8.03                     | -1                         | -7.03       |
|        | 6895            | 189         | a           | 24                 | -4.41                            | -1.00              | -5.41                     | -1                         | -4.41       |
|        | 6995            | 209         | a           | 24                 | -4.36                            | -2.00              | -6.36                     | -1                         | -5.36       |
|        | 7115            | 233         | a           | 24                 | -5.24                            | -3.00              | -8.24                     | -1                         | -7.24       |
|        | 6895            | 189         | ax (20MHz)  | 49/51.6 (MCS4)     | -5.07                            | -1.00              | -6.07                     | -1                         | -5.07       |
|        | 6995            | 209         | ax (20MHz)  | 49/51.6 (MCS4)     | -5.61                            | -2.00              | -7.61                     | -1                         | -6.61       |
|        | 7115            | 233         | ax (20MHz)  | 49/51.6 (MCS4)     | -6.28                            | -3.00              | -9.28                     | -1                         | -8.28       |
|        | 6885            | 187         | ax (40MHz)  | 98/103.2 (MCS4)    | -7.30                            | -1.00              | -8.30                     | -1                         | -7.30       |
|        | 7005            | 211         | ax (40MHz)  | 98/103.2 (MCS4)    | -5.32                            | -2.00              | -7.32                     | -1                         | -6.32       |
|        | 7085            | 227         | ax (40MHz)  | 98/103.2 (MCS4)    | -5.48                            | -3.00              | -8.48                     | -1                         | -7.48       |
|        | 6945            | 199         | ax (80MHz)  | 204/216.2 (MCS4)   | -4.93                            | -2.00              | -6.93                     | -1                         | -5.93       |
|        | 7025            | 215         | ax (80MHz)  | 204/216.2 (MCS4)   | -5.09                            | -3.30              | -8.39                     | -1                         | -7.39       |
|        | 6985            | 207         | ax (160MHz) | 367.5/432.4 (MCS4) | -5.53                            | -2.00              | -7.53                     | -1                         | -6.53       |

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

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022                                                                                              | EUT Type:<br>Tablet Device | Page 81 of 282                    |

V 10.5 12/15/2021

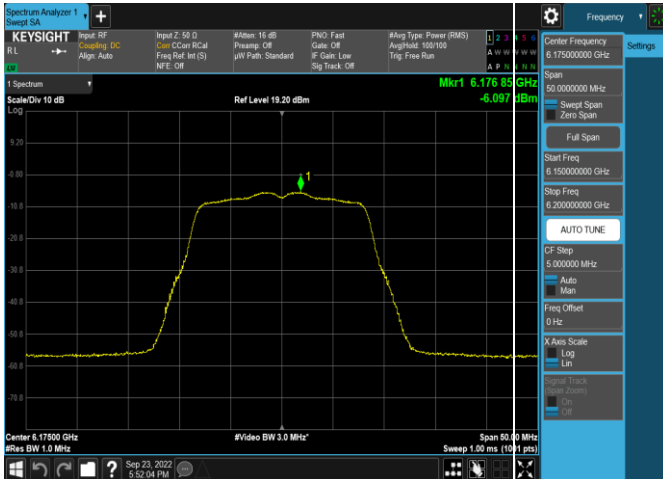
|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [MHz]     | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p Density [dBm/MHz] | Max EIRP Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|---------------------|----------------------------------|--------------------|---------------------------|----------------------------|-------------|
| Band 5 | 5955            | 1           | a           | 54                  | -6.66                            | 0.10               | -6.56                     | -1                         | -5.56       |
|        | 6175            | 45          | a           | 54                  | -6.59                            | 1.30               | -5.29                     | -1                         | -4.29       |
|        | 6415            | 93          | a           | 54                  | -9.35                            | 1.80               | -7.55                     | -1                         | -6.55       |
|        | 5955            | 1           | ax (20MHz)  | 135/143.4 (MCS11)   | -6.89                            | 0.10               | -6.79                     | -1                         | -5.79       |
|        | 6175            | 45          | ax (20MHz)  | 135/143.4 (MCS11)   | -7.91                            | 1.30               | -6.61                     | -1                         | -5.61       |
|        | 6415            | 93          | ax (20MHz)  | 135/143.4 (MCS11)   | -11.22                           | 1.80               | -9.42                     | -1                         | -8.42       |
|        | 5965            | 3           | ax (40MHz)  | 271/286.8 (MCS11)   | -6.74                            | 0.10               | -6.64                     | -1                         | -5.64       |
|        | 6165            | 43          | ax (40MHz)  | 271/286.8 (MCS11)   | -7.43                            | 1.30               | -6.13                     | -1                         | -5.13       |
|        | 6405            | 91          | ax (40MHz)  | 271/286.8 (MCS11)   | -8.47                            | 1.40               | -7.07                     | -1                         | -6.07       |
|        | 5985            | 7           | ax (80MHz)  | 567/600.5 (MCS11)   | -7.61                            | 0.10               | -7.51                     | -1                         | -6.51       |
|        | 6145            | 39          | ax (80MHz)  | 567/600.5 (MCS11)   | -8.06                            | 1.30               | -6.76                     | -1                         | -5.76       |
|        | 6385            | 87          | ax (80MHz)  | 567/600.5 (MCS11)   | -8.45                            | 1.40               | -7.05                     | -1                         | -6.05       |
|        | 6025            | 15          | ax (160MHz) | 1020.8/1201 (MCS11) | -7.22                            | 1.70               | -5.52                     | -1                         | -4.52       |
| Band 6 | 6185            | 47          | ax (160MHz) | 1020.8/1201 (MCS11) | -7.09                            | 1.30               | -5.79                     | -1                         | -4.79       |
|        | 6345            | 79          | ax (160MHz) | 1020.8/1201 (MCS11) | -7.84                            | 1.40               | -6.44                     | -1                         | -5.44       |
|        | 6435            | 97          | a           | 54                  | -7.34                            | 1.80               | -5.54                     | -1                         | -4.54       |
|        | 6475            | 105         | a           | 54                  | -7.88                            | 1.80               | -6.08                     | -1                         | -5.08       |
|        | 6515            | 113         | a           | 54                  | -7.50                            | 1.10               | -6.40                     | -1                         | -5.40       |
|        | 6435            | 97          | ax (20MHz)  | 135/143.4 (MCS11)   | -8.24                            | 1.80               | -6.44                     | -1                         | -5.44       |
|        | 6475            | 105         | ax (20MHz)  | 135/143.4 (MCS11)   | -8.13                            | 1.80               | -6.33                     | -1                         | -5.33       |
|        | 6515            | 113         | ax (20MHz)  | 135/143.4 (MCS11)   | -8.20                            | 1.10               | -7.10                     | -1                         | -6.10       |
|        | 6445            | 99          | ax (40MHz)  | 271/286.8 (MCS11)   | -8.43                            | 1.80               | -6.63                     | -1                         | -5.63       |
|        | 6485            | 107         | ax (40MHz)  | 271/286.8 (MCS11)   | -8.21                            | 1.80               | -6.41                     | -1                         | -5.41       |
| Band 7 | 6525            | 115         | ax (40MHz)  | 271/286.8 (MCS11)   | -7.94                            | 1.10               | -6.84                     | -1                         | -5.84       |
|        | 6465            | 103         | ax (80MHz)  | 567/600.5 (MCS11)   | -8.65                            | 1.80               | -6.85                     | -1                         | -5.85       |
|        | 6505            | 111         | ax (160MHz) | 1020.8/1201 (MCS11) | -7.44                            | 1.10               | -6.34                     | -1                         | -5.34       |
|        | 6535            | 117         | a           | 54                  | -8.18                            | 1.10               | -7.08                     | -1                         | -6.08       |
|        | 6695            | 149         | a           | 54                  | -8.03                            | 0.60               | -7.43                     | -1                         | -6.43       |
|        | 6875            | 185         | a           | 54                  | -7.08                            | -1.00              | -8.08                     | -1                         | -7.08       |
|        | 6535            | 117         | ax (20MHz)  | 135/143.4 (MCS11)   | -7.87                            | 1.10               | -6.77                     | -1                         | -5.77       |
|        | 6695            | 149         | ax (20MHz)  | 135/143.4 (MCS11)   | -7.61                            | 0.60               | -7.01                     | -1                         | -6.01       |
|        | 6875            | 185         | ax (20MHz)  | 135/143.4 (MCS11)   | -7.40                            | -1.00              | -8.40                     | -1                         | -7.40       |
|        | 6565            | 123         | ax (40MHz)  | 271/286.8 (MCS11)   | -7.46                            | 1.10               | -6.36                     | -1                         | -5.36       |
| Band 8 | 6725            | 155         | ax (40MHz)  | 271/286.8 (MCS11)   | -7.45                            | 0.70               | -6.75                     | -1                         | -5.75       |
|        | 6845            | 179         | ax (40MHz)  | 271/286.8 (MCS11)   | -6.98                            | -1.00              | -7.98                     | -1                         | -6.98       |
|        | 6545            | 119         | ax (80MHz)  | 567/600.5 (MCS11)   | -8.09                            | 1.10               | -6.99                     | -1                         | -5.99       |
|        | 6705            | 151         | ax (80MHz)  | 567/600.5 (MCS11)   | -7.19                            | 0.60               | -6.59                     | -1                         | -5.59       |
|        | 6865            | 183         | ax (80MHz)  | 567/600.5 (MCS11)   | -6.84                            | -1.00              | -7.84                     | -1                         | -6.84       |
|        | 6665            | 143         | ax (160MHz) | 1020.8/1201 (MCS11) | -7.20                            | 0.60               | -6.60                     | -1                         | -5.60       |
|        | 6825            | 175         | ax (160MHz) | 1020.8/1201 (MCS11) | -6.82                            | -1.00              | -7.82                     | -1                         | -6.82       |
|        | 6895            | 189         | a           | 54                  | -5.78                            | -1.00              | -6.78                     | -1                         | -5.78       |
|        | 6995            | 209         | a           | 54                  | -5.40                            | -2.00              | -7.40                     | -1                         | -6.40       |
|        | 7115            | 233         | a           | 54                  | -6.69                            | -3.00              | -9.69                     | -1                         | -8.69       |
| Band 8 | 6895            | 189         | ax (20MHz)  | 135/143.4 (MCS11)   | -5.84                            | -1.00              | -6.84                     | -1                         | -5.84       |
|        | 6995            | 209         | ax (20MHz)  | 135/143.4 (MCS11)   | -6.90                            | -2.00              | -8.90                     | -1                         | -7.90       |
|        | 7115            | 233         | ax (20MHz)  | 135/143.4 (MCS11)   | -7.89                            | -3.00              | -10.89                    | -1                         | -9.89       |
|        | 6885            | 187         | ax (40MHz)  | 271/286.8 (MCS11)   | -7.07                            | -1.00              | -8.07                     | -1                         | -7.07       |
|        | 7005            | 211         | ax (40MHz)  | 271/286.8 (MCS11)   | -6.65                            | -2.00              | -8.65                     | -1                         | -7.65       |
|        | 7085            | 227         | ax (40MHz)  | 271/286.8 (MCS11)   | -6.45                            | -3.00              | -9.45                     | -1                         | -8.45       |
|        | 6945            | 199         | ax (80MHz)  | 567/600.5 (MCS11)   | -5.06                            | -2.00              | -7.06                     | -1                         | -6.06       |
|        | 7025            | 215         | ax (80MHz)  | 567/600.5 (MCS11)   | -6.23                            | -3.30              | -9.53                     | -1                         | -8.53       |
|        | 6985            | 207         | ax (160MHz) | 1020.8/1201 (MCS11) | -5.34                            | -2.00              | -7.34                     | -1                         | -6.34       |

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

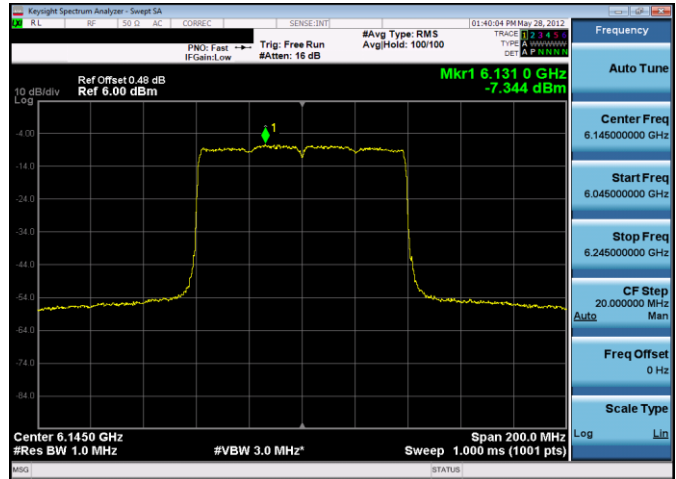
|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022                                                                                              | EUT Type:<br>Tablet Device | Page 82 of 282                    |

V 10.5 12/15/2021

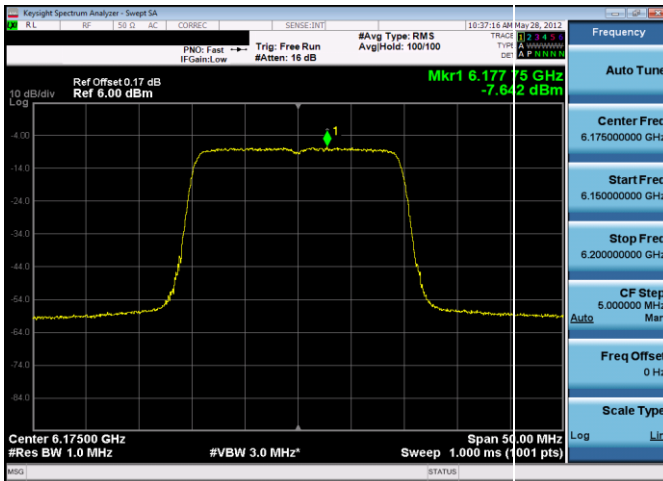
## Low Data Rate



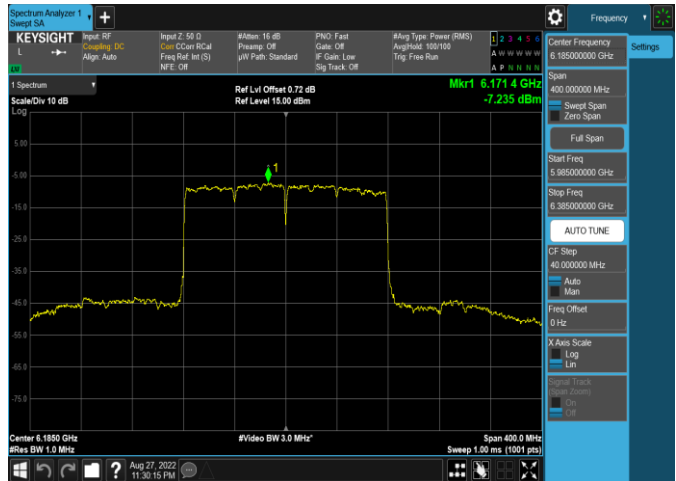
Plot 7-185. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 5) – Ch. 45, MCS2)



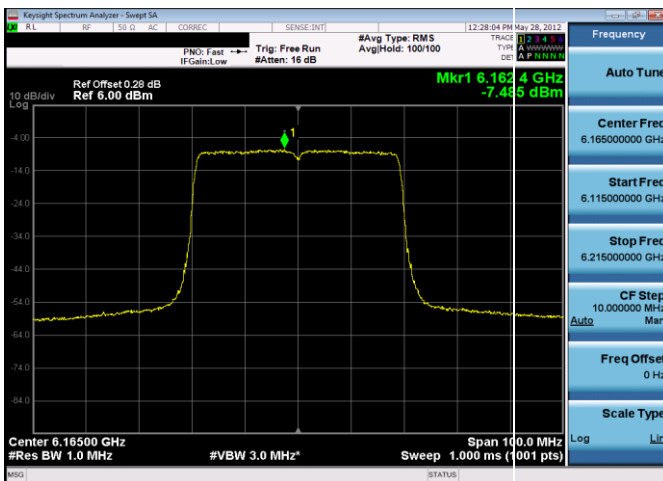
Plot 7-188. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS2)



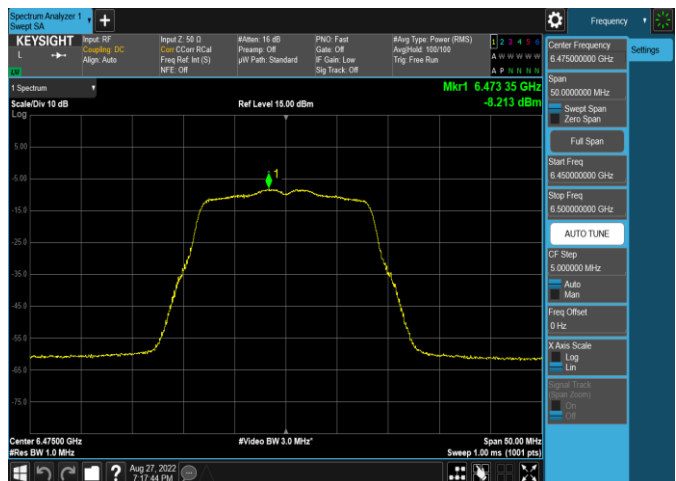
Plot 7-186. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS2)



Plot 7-189. Power Spectral Density Plot Antenna 4a (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS2)



Plot 7-187. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS2)



Plot 7-190. Power Spectral Density Plot Antenna 4a (20MHz 802.11a (UNII Band 6) – Ch. 105, MCS2)

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764<br>IC: 579C-A2764         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090028-21-R3.BCG | Test Dates:<br>5/30/2022 - 9/16/2022                                                | EUT Type:<br>Tablet Device            | Page 83 of 282                    |