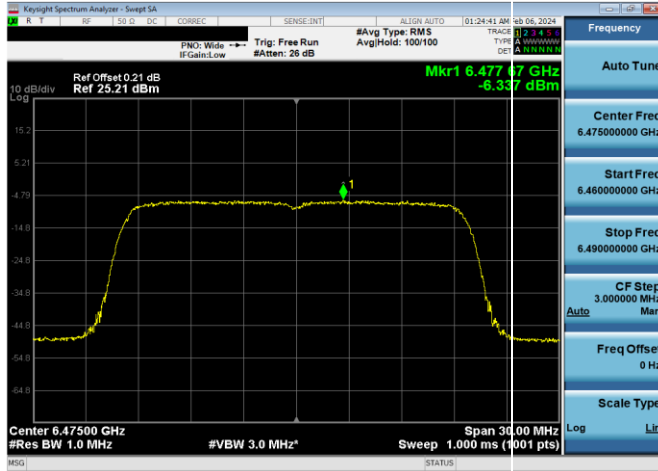
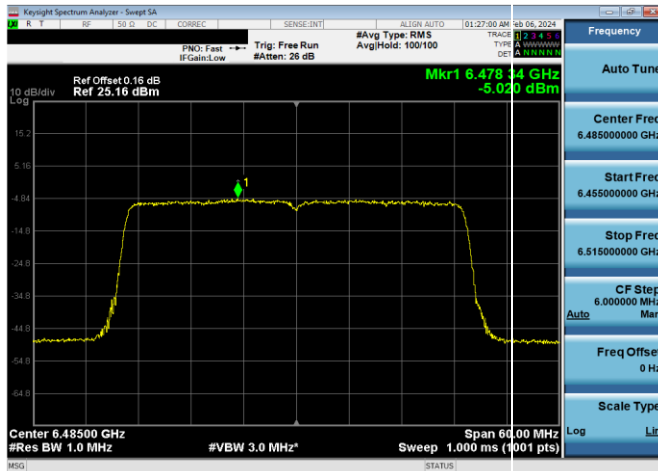




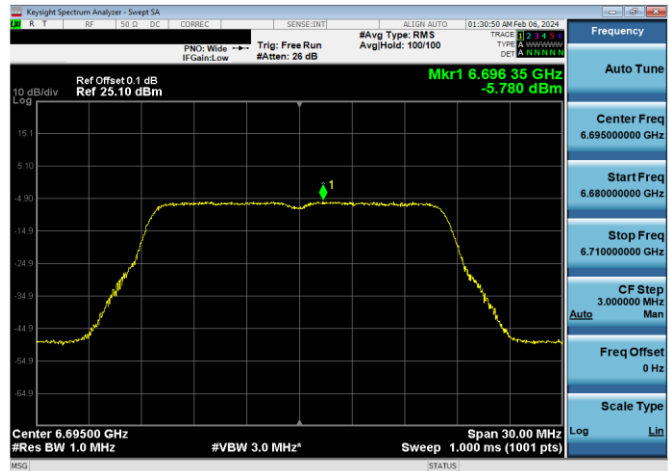
Plot 7-207. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS4)



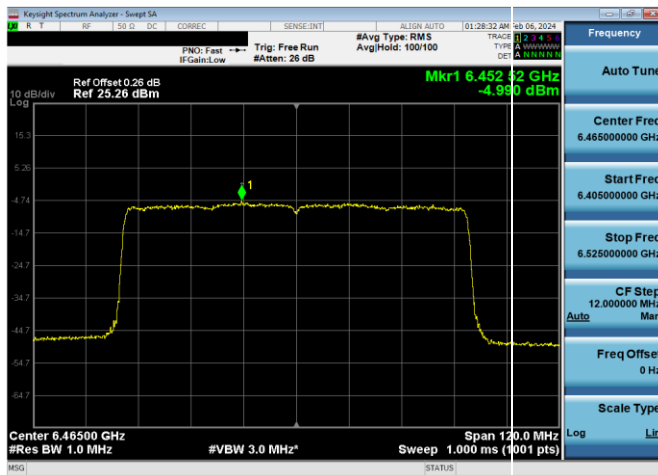
Plot 7-210. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS4)



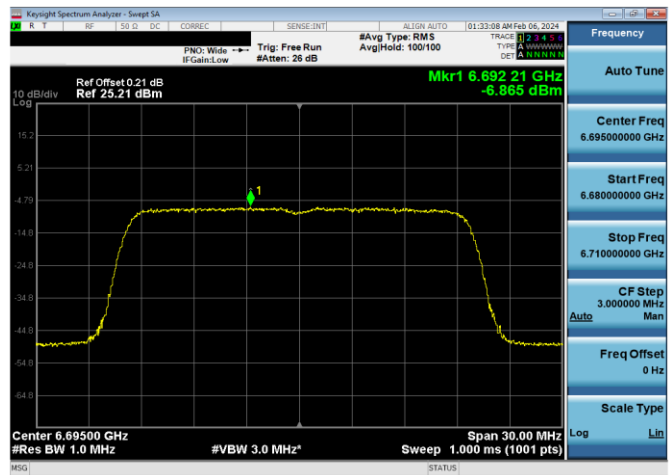
Plot 7-208. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS4)



Plot 7-211. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 7) – Ch. 149, 24Mbps)

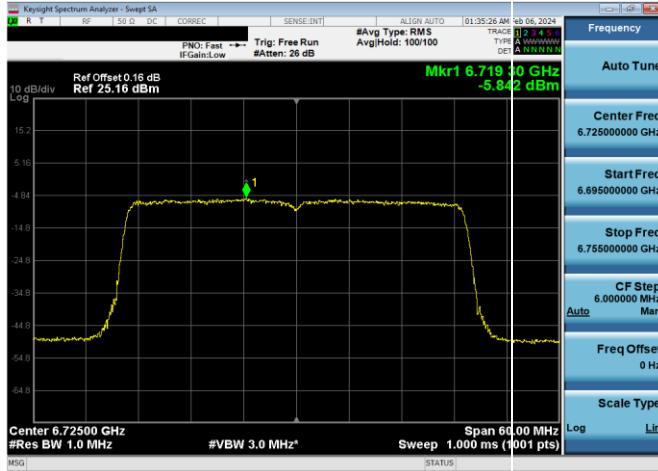


Plot 7-209. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS4)

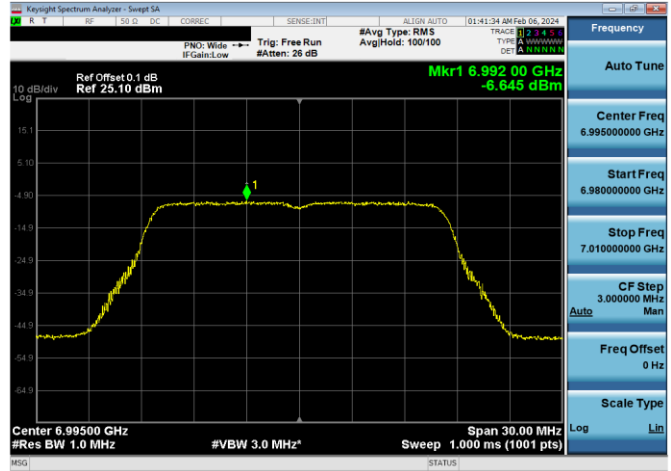


Plot 7-212. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS4)

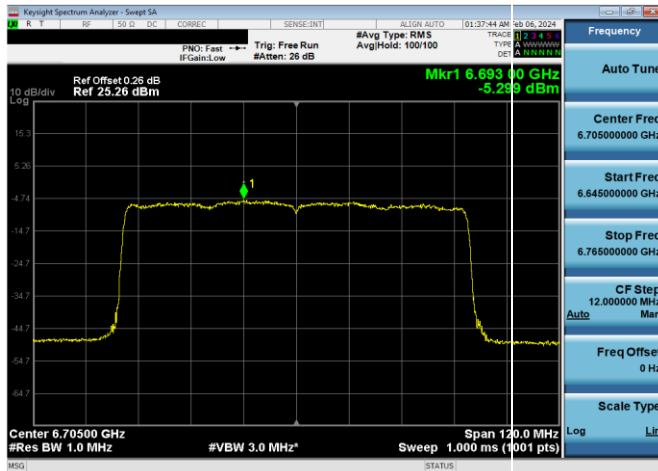
|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 117 of 510                   |



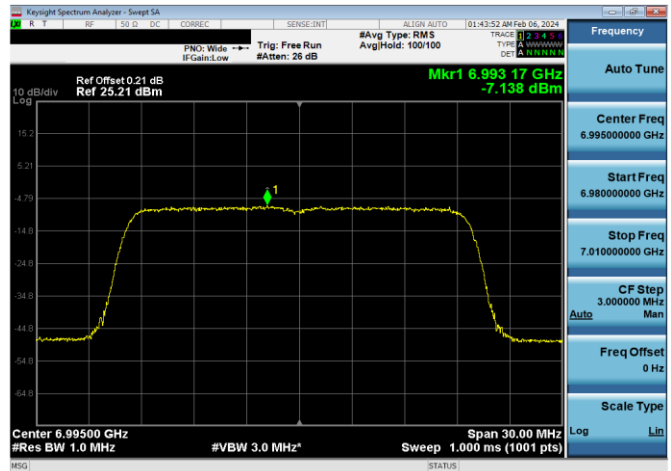
Plot 7-213. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS4)



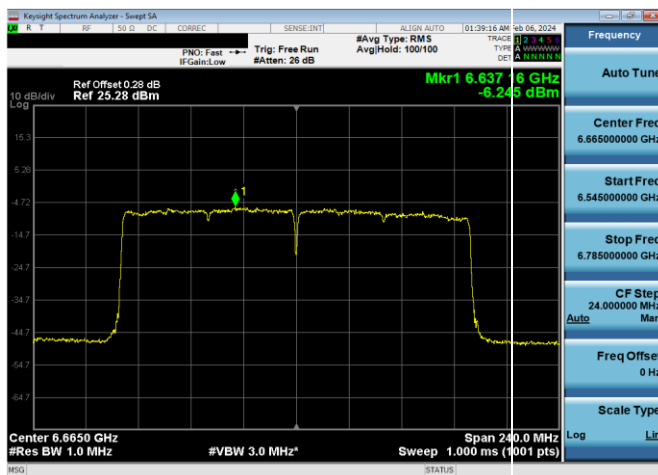
Plot 7-216. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 8) – Ch. 209, 24Mbps)



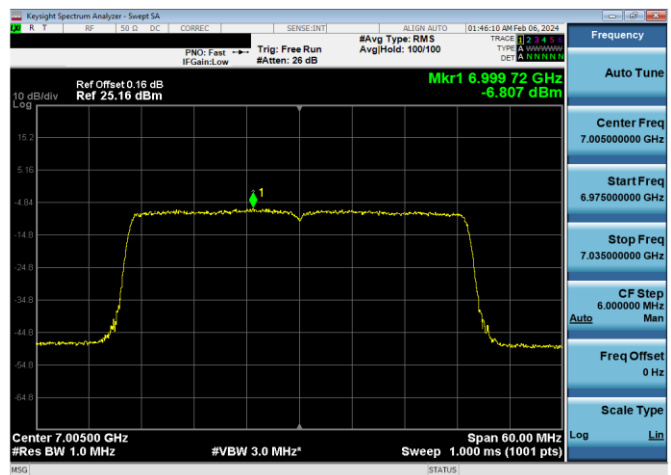
Plot 7-214. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS4)



Plot 7-217. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS4)

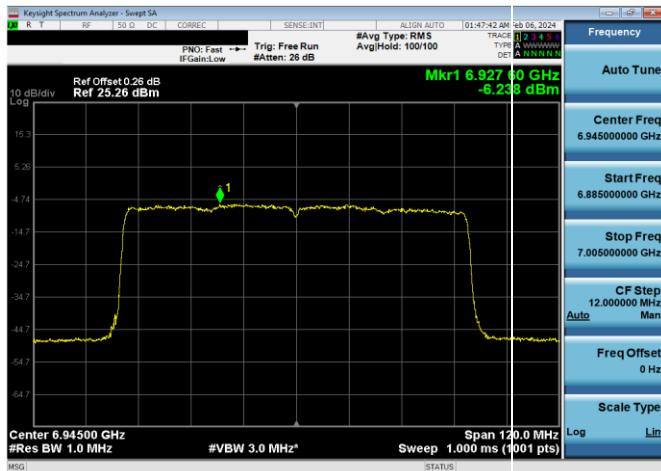


Plot 7-215. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS4)

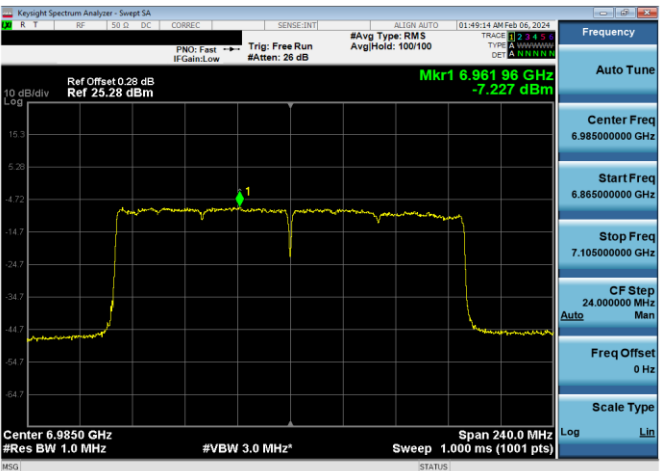


Plot 7-218. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS4)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 118 of 510                   |



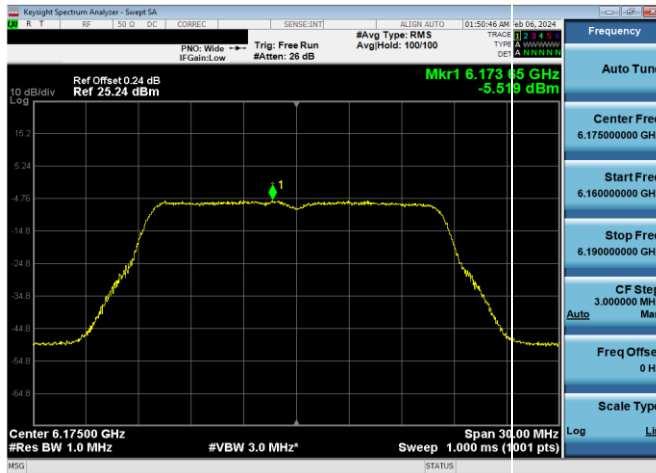
Plot 7-219. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS4)



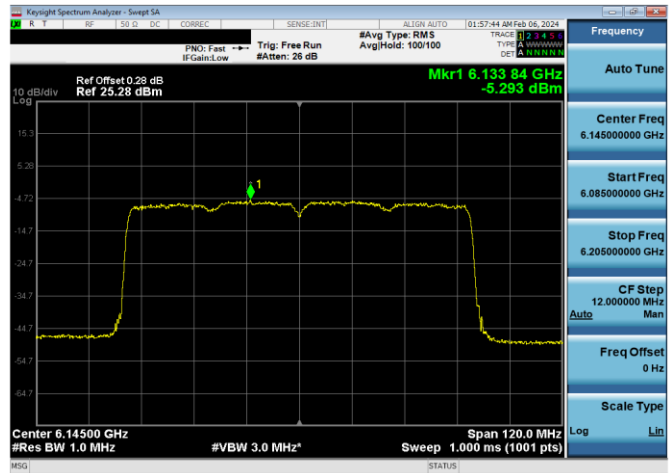
Plot 7-220. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS4)

|                                            |  |                                        |  |                                       |  |                                   |  |
|--------------------------------------------|--|----------------------------------------|--|---------------------------------------|--|-----------------------------------|--|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |  | element                                |  | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |  |
| Test Report S/N:<br>1C2311270068-24-R2.BCG |  | Test Dates:<br>11/28/2023 - 04/04/2024 |  | EUT Type:<br>Tablet Device            |  | Page 119 of 510                   |  |

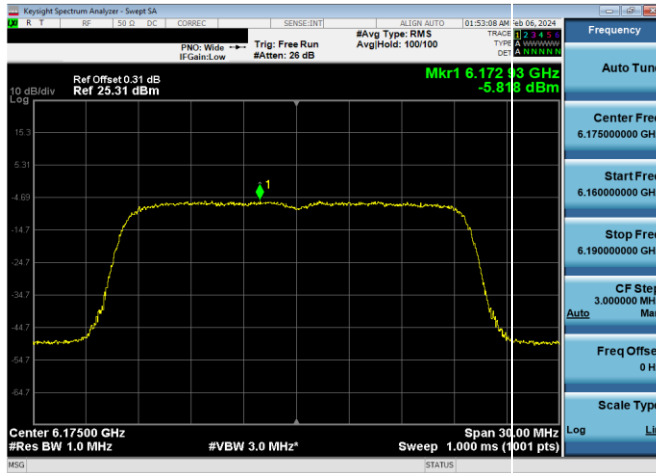
## High Data Rate



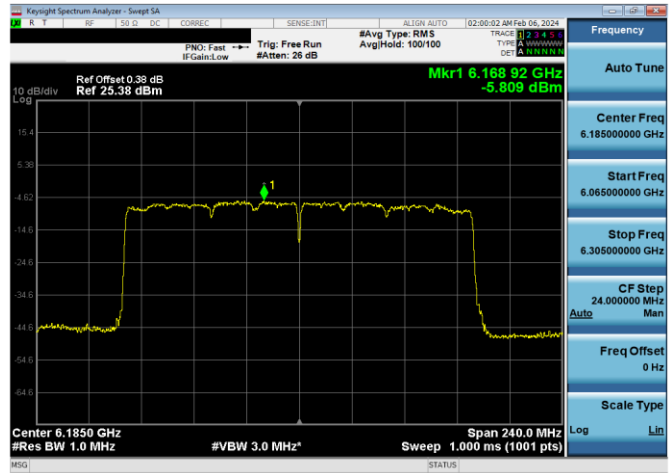
Plot 7-221. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 5) – Ch. 45, 54Mbps)



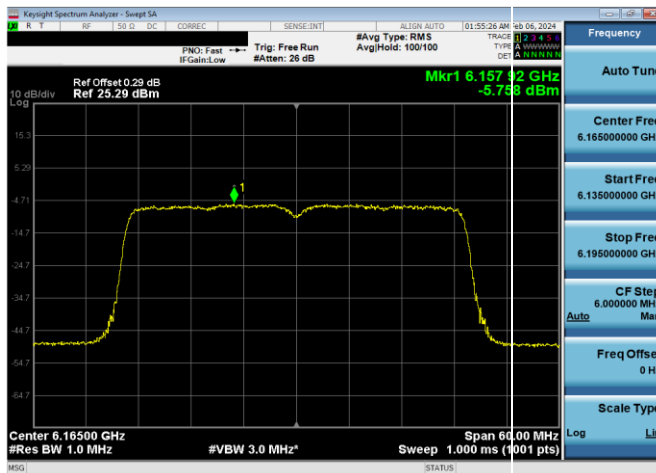
Plot 7-224. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS11)



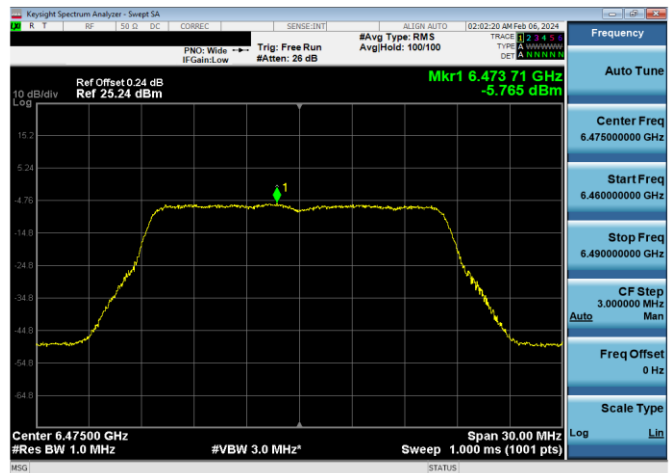
Plot 7-222. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS11)



Plot 7-225. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS11)

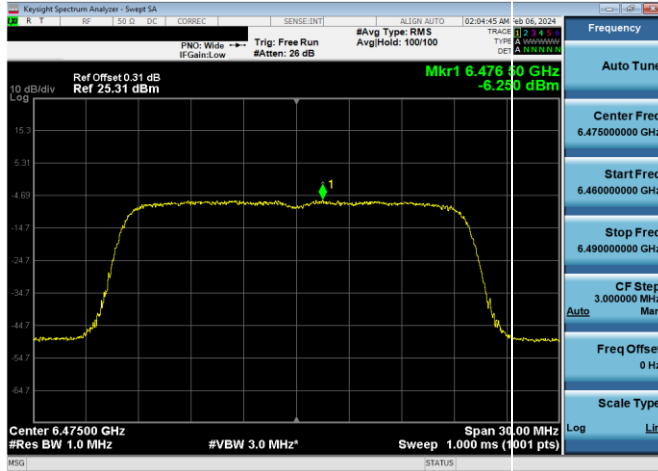


Plot 7-223. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS11)

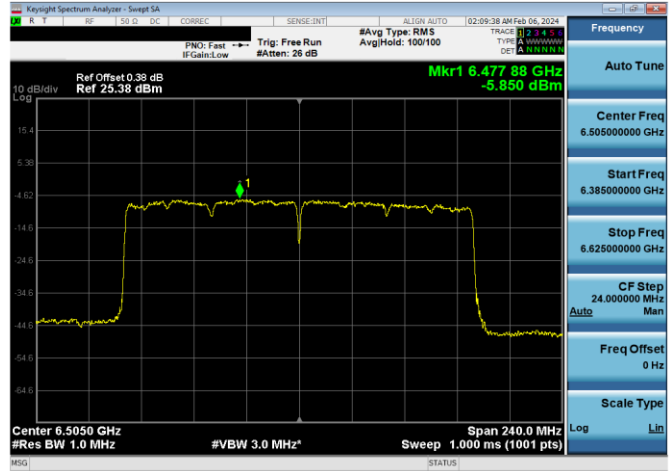


Plot 7-226. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 6) – Ch. 105, 54Mbps)

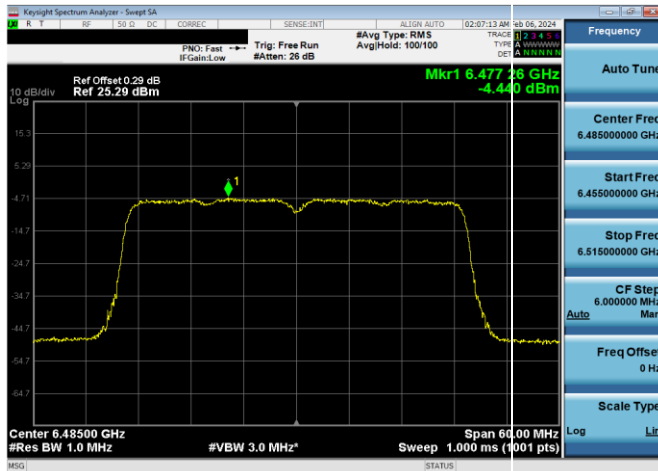
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024                                              | EUT Type:<br>Tablet Device            | Page 120 of 510                   |



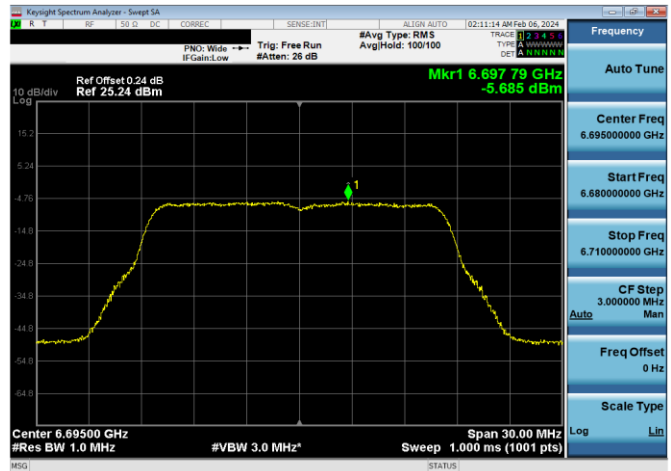
Plot 7-227. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS11)



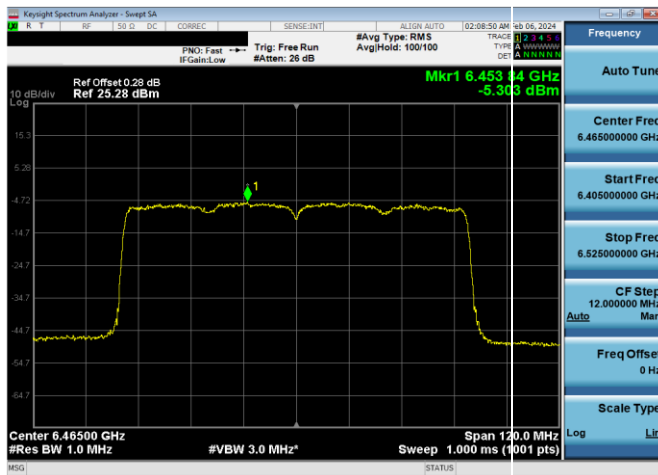
Plot 7-230. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS11)



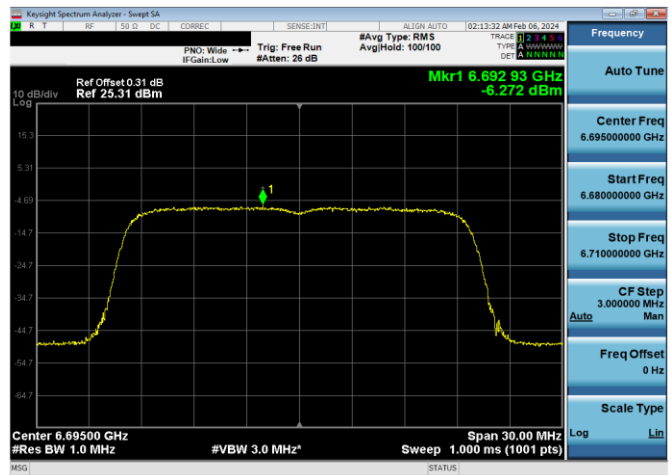
Plot 7-228. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS11)



Plot 7-231. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 7) – Ch. 149, 54Mbps)

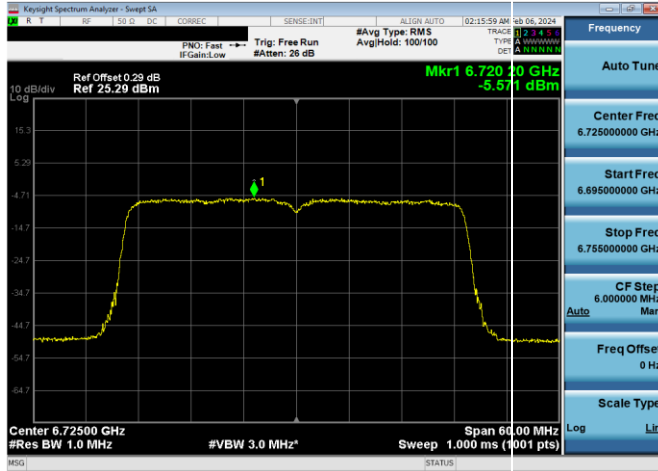


Plot 7-229. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS11)

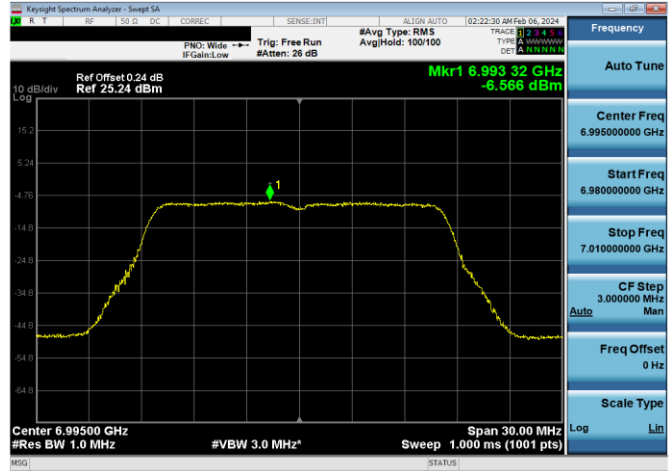


Plot 7-232. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS11)

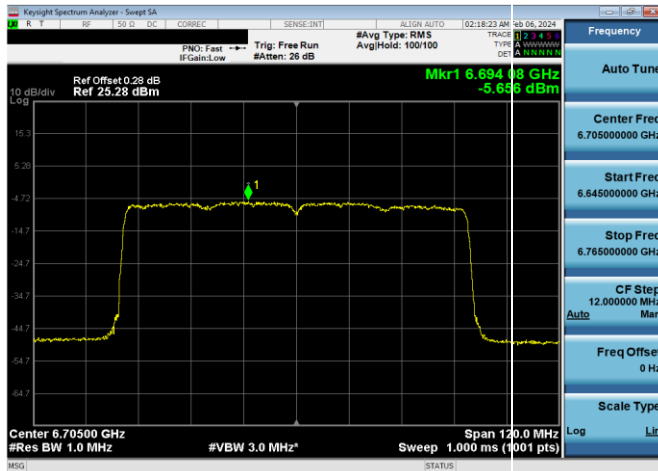
|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 121 of 510                   |



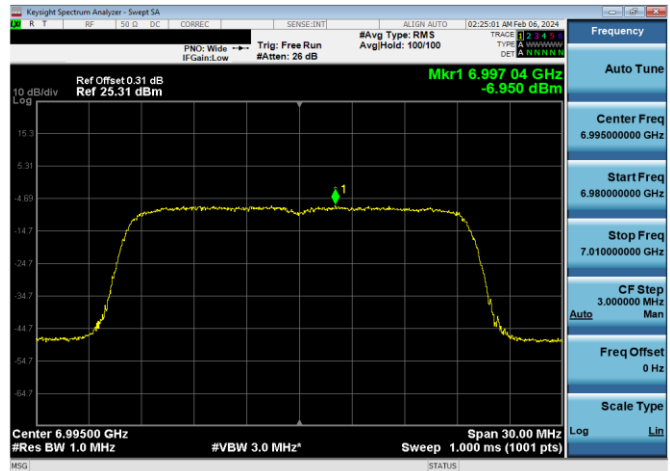
Plot 7-233. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS11)



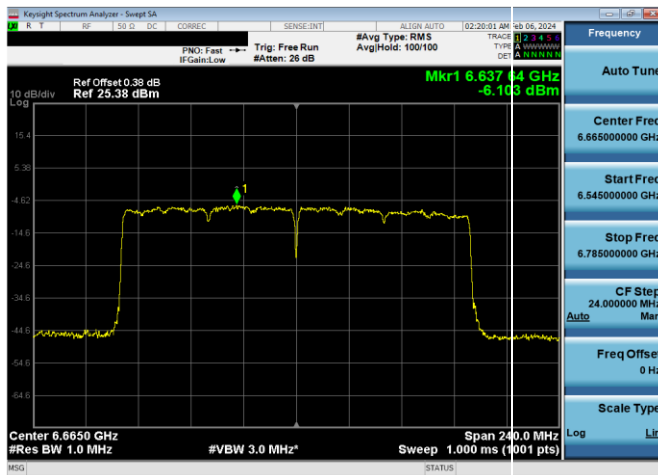
Plot 7-236. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 8) – Ch. 209, 54Mbps)



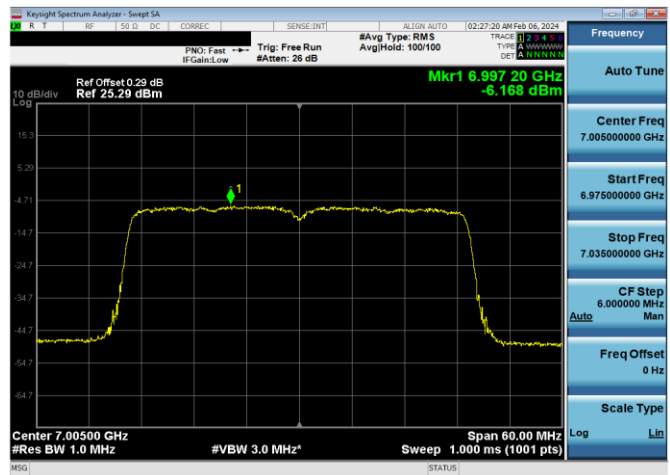
Plot 7-234. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS11)



Plot 7-237. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS11)

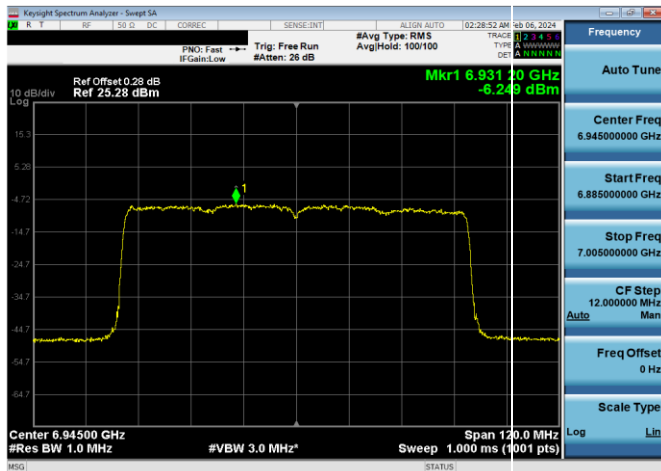


Plot 7-235. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS11)

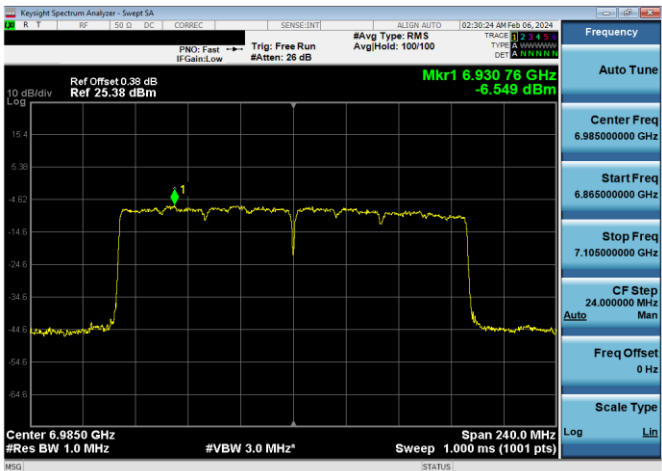


Plot 7-238. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS11)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 122 of 510                   |



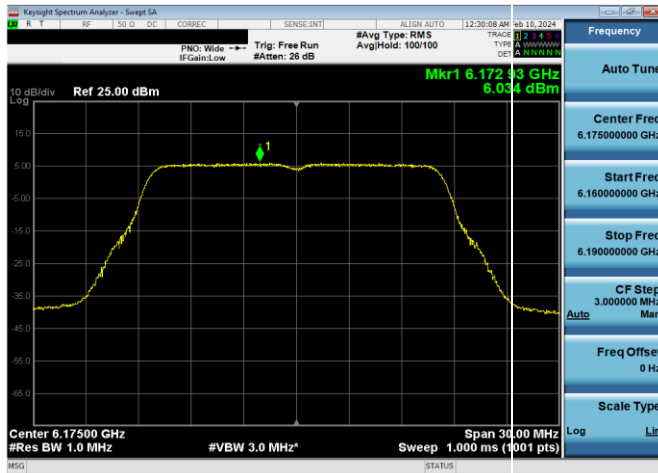
Plot 7-239. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS11)



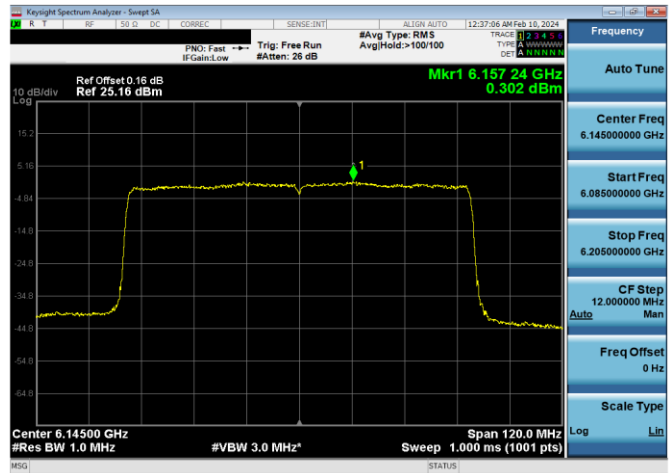
Plot 7-240. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS11)

|                                            |                                                                                                                           |                            |                                   |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |  MEASUREMENT REPORT<br>(CERTIFICATION) |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024                                                                                    | EUT Type:<br>Tablet Device | Page 123 of 510                   |

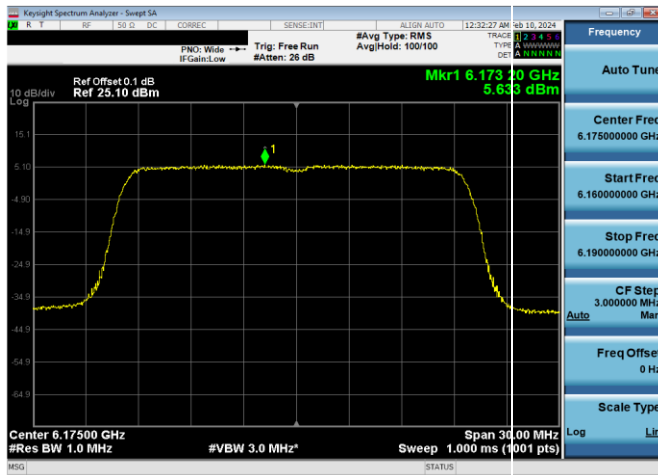
## Low Data Rate



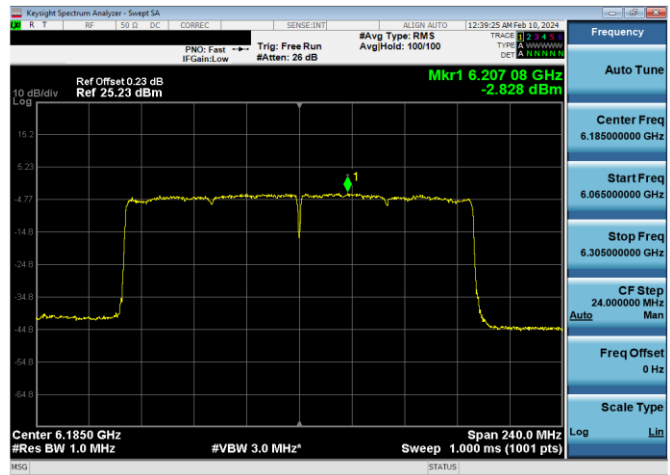
Plot 7-241. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11a (UNII Band 5) – Ch. 45, 12Mbps)



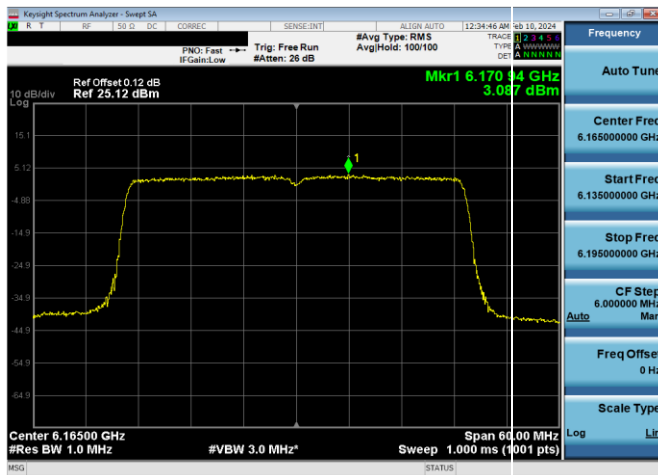
Plot 7-244. Power Spectral Density Plot Antenna WF5B Standard Power (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS2)



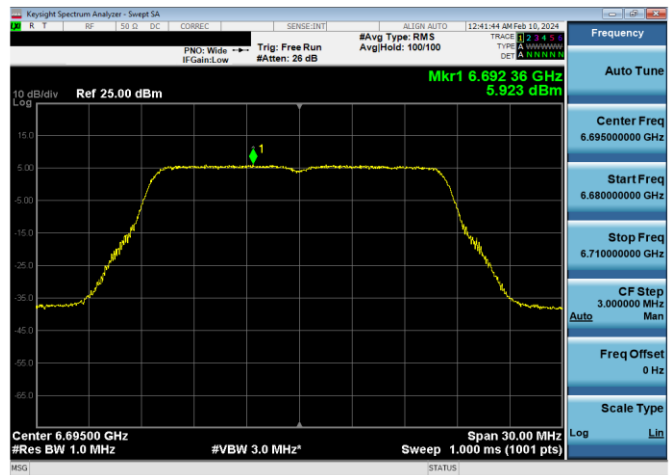
Plot 7-242. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS2)



Plot 7-245. Power Spectral Density Plot Antenna WF5B Standard Power (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS2)

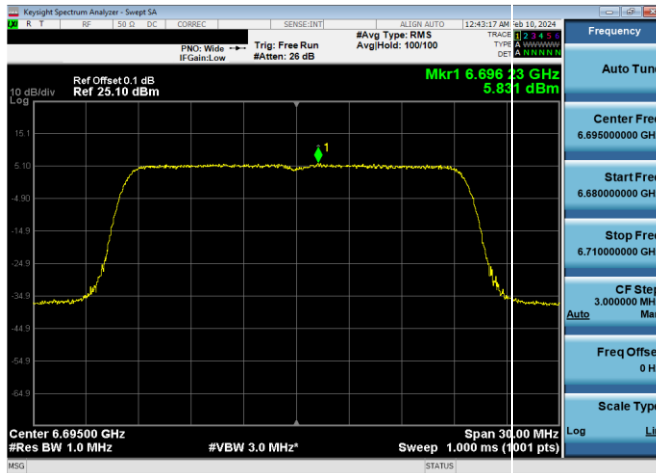


Plot 7-243. Power Spectral Density Plot Antenna WF5B Standard Power (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS2)

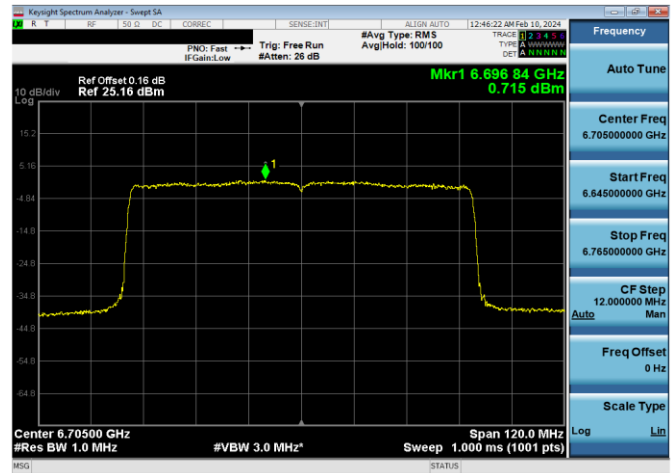


Plot 7-246. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11a (UNII Band 7) – Ch. 149, 12Mbps)

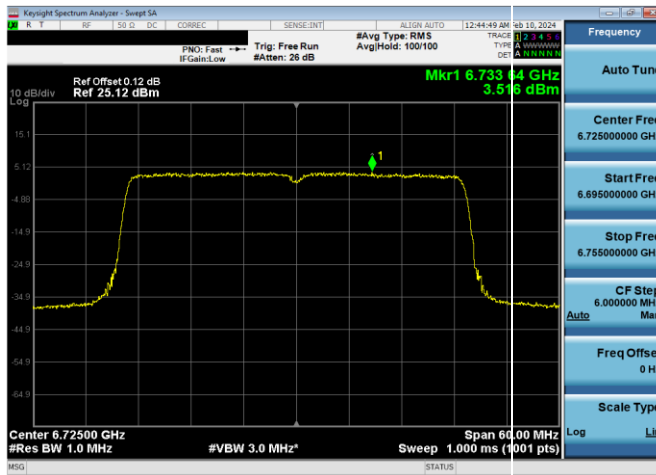
|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |                                        | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 124 of 510                   |



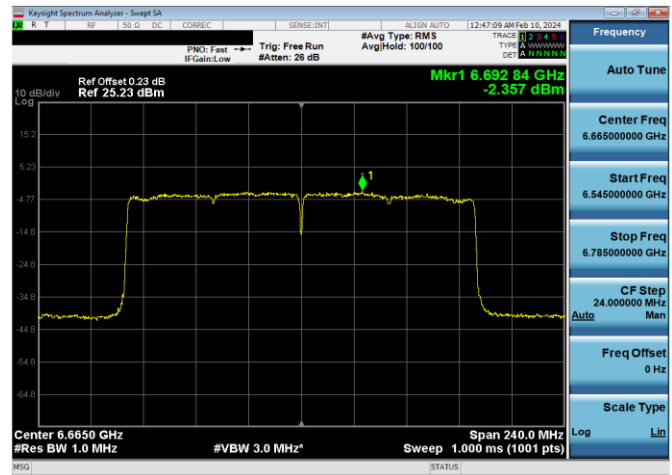
Plot 7-247. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS2)



Plot 7-249. Power Spectral Density Plot Antenna WF5B Standard Power (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS2)



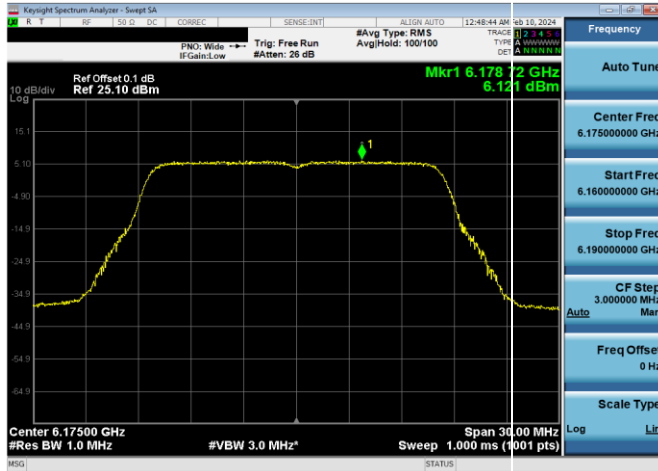
Plot 7-248. Power Spectral Density Plot Antenna WF5B Standard Power (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS2)



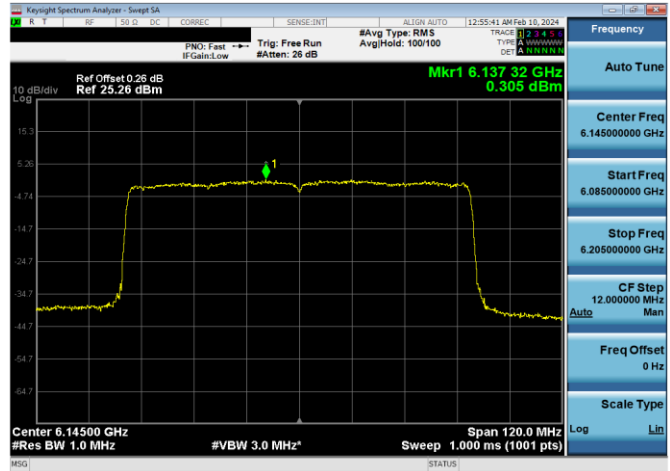
Plot 7-250. Power Spectral Density Plot Antenna WF5B Standard Power (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS2)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 125 of 510                   |

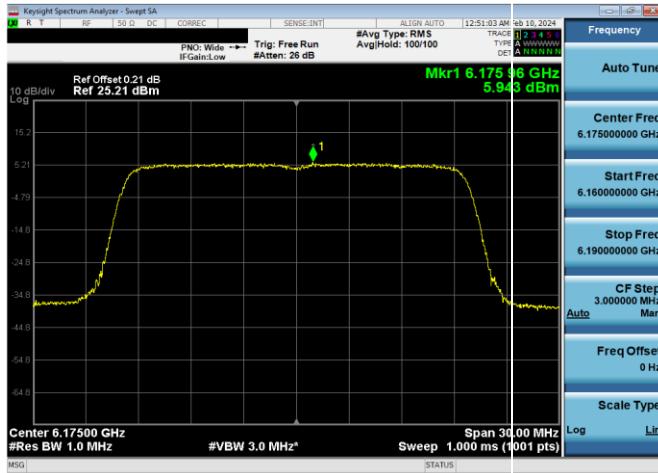
## Mid Data Rate



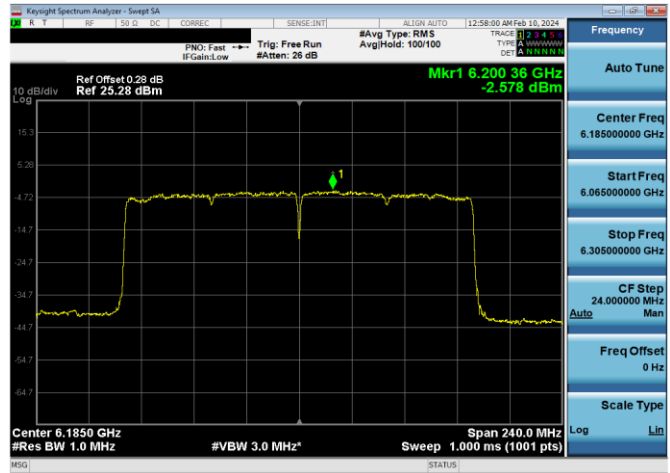
Plot 7-251. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11a (UNII Band 5) – Ch. 45, 24Mbps)



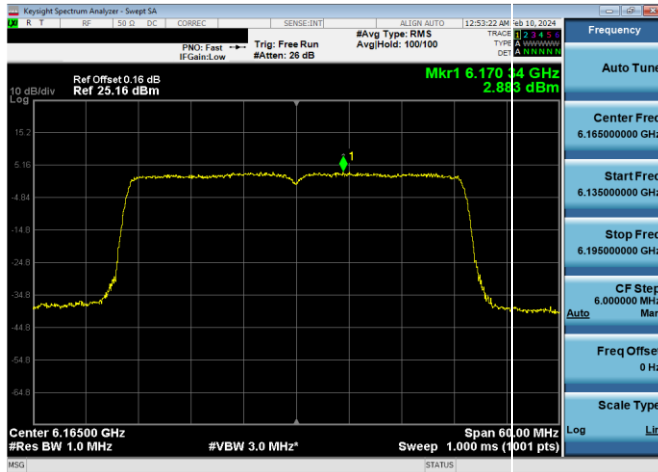
Plot 7-254. Power Spectral Density Plot Antenna WF5B Standard Power (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS4)



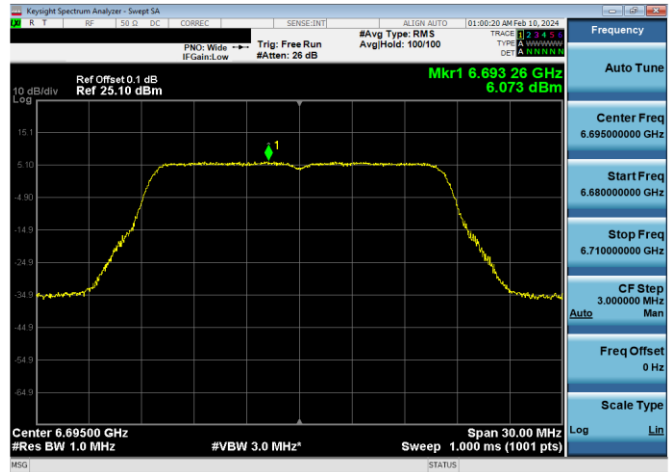
Plot 7-252. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS4)



Plot 7-255. Power Spectral Density Plot Antenna WF5B Standard Power (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS4)

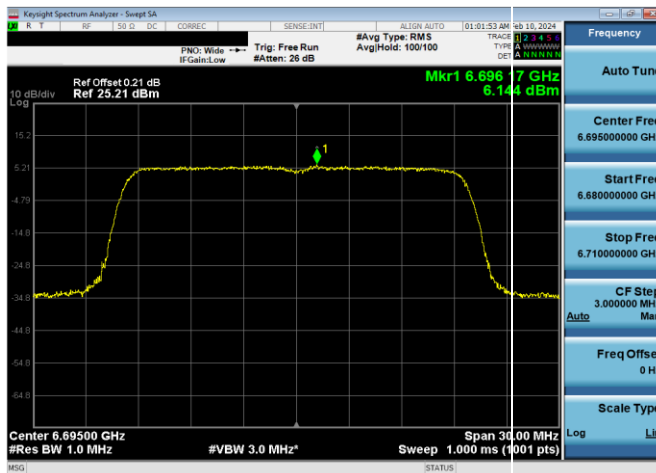


Plot 7-253. Power Spectral Density Plot Antenna WF5B Standard Power (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS4)

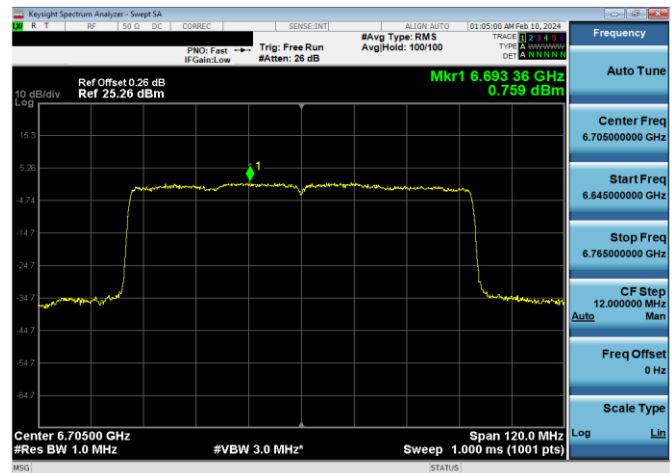


Plot 7-256. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11a (UNII Band 7) – Ch. 149, 24Mbps)

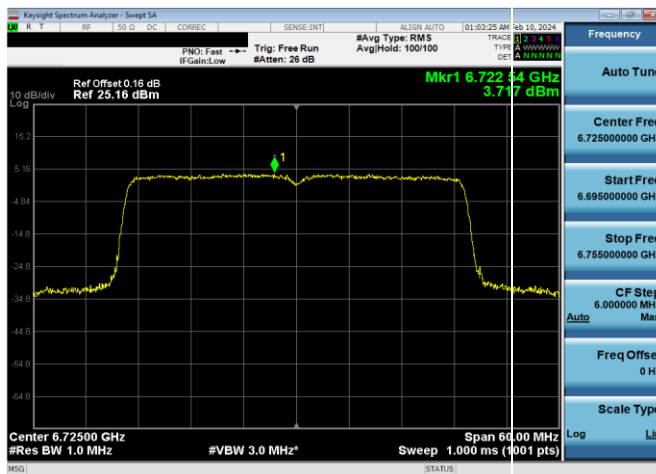
|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |                                        | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 126 of 510                   |



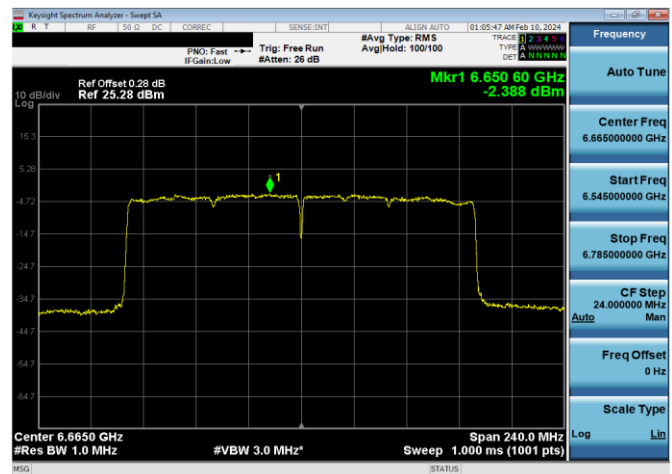
Plot 7-257. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS4)



Plot 7-259. Power Spectral Density Plot Antenna WF5B Standard Power (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS4)



Plot 7-258. Power Spectral Density Plot Antenna WF5B Standard Power (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS4)



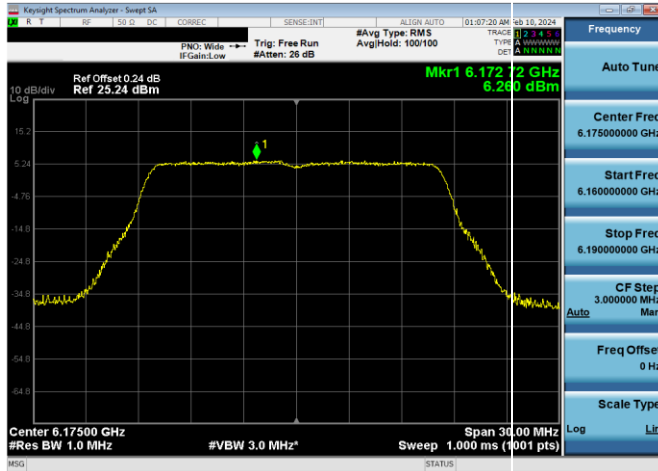
Plot 7-260. Power Spectral Density Plot Antenna WF5B Standard Power (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS4)

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024                                                                                            | EUT Type:<br>Tablet Device | Page 127 of 510                   |

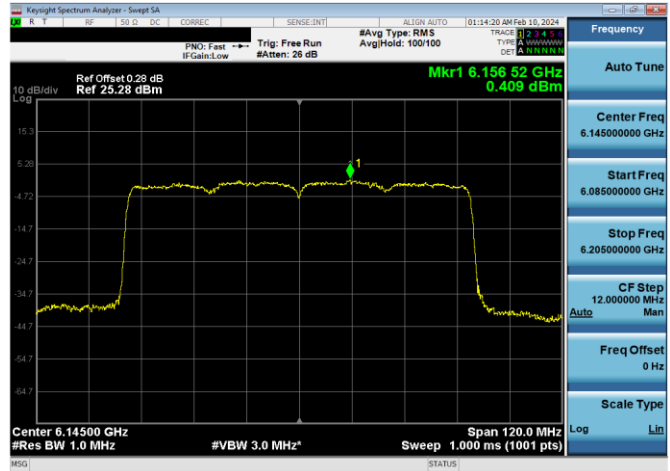
V 10.50.40 12/15/2021

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 Materials Technology. 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).

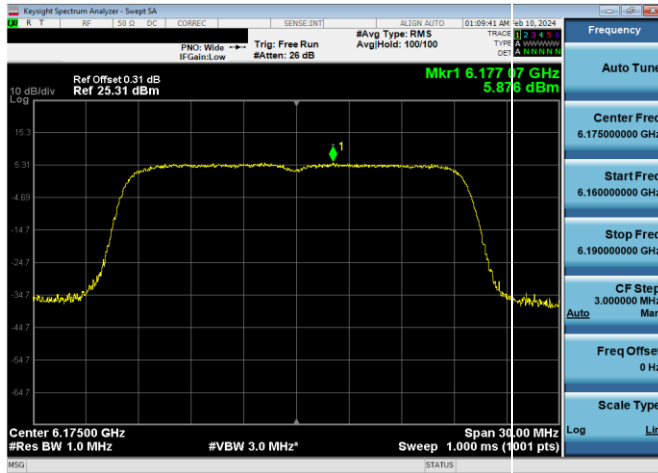
## High Data Rate



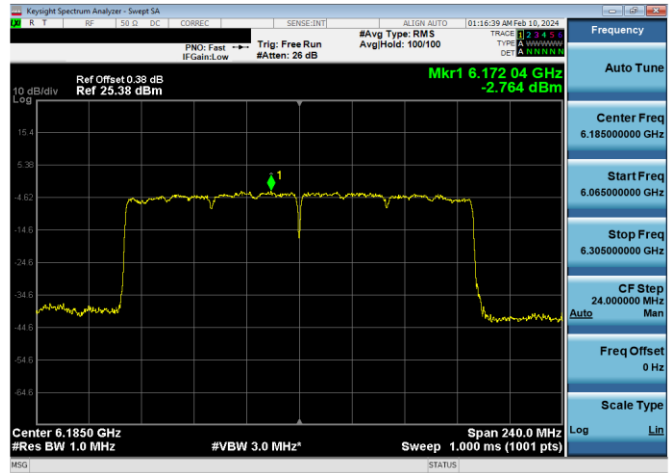
Plot 7-261. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11a (UNII Band 5) – Ch. 45, 54Mbps)



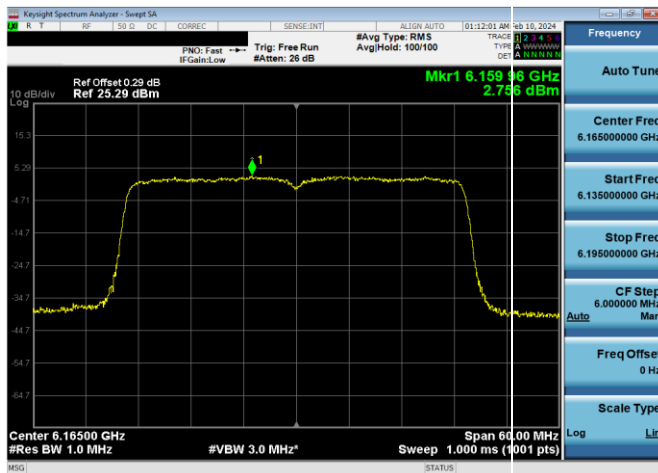
Plot 7-264. Power Spectral Density Plot Antenna WF5B Standard Power (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS11)



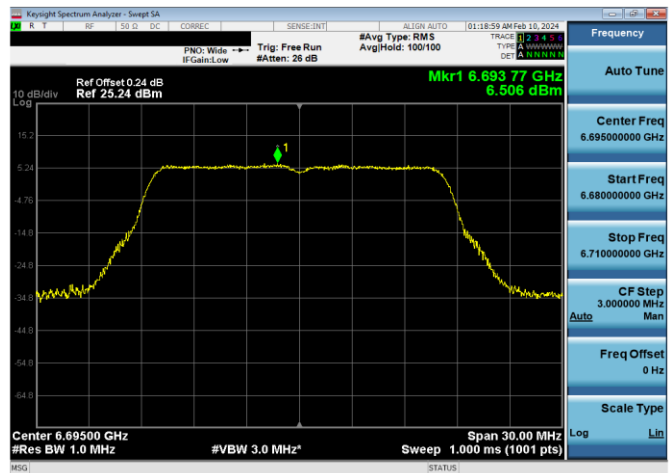
Plot 7-262. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS11)



Plot 7-265. Power Spectral Density Plot Antenna WF5B Standard Power (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS11)

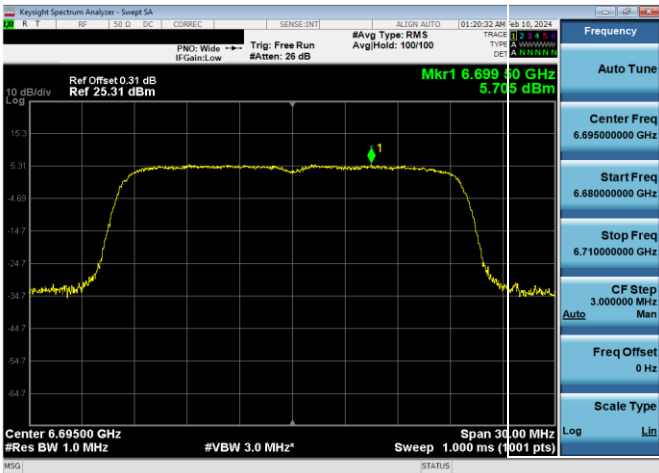


Plot 7-263. Power Spectral Density Plot Antenna WF5B Standard Power (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS11)

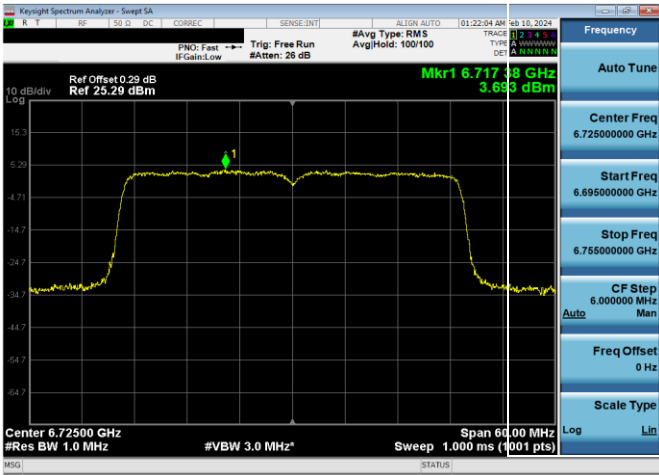


Plot 7-266. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11a (UNII Band 7) – Ch. 149, 54Mbps)

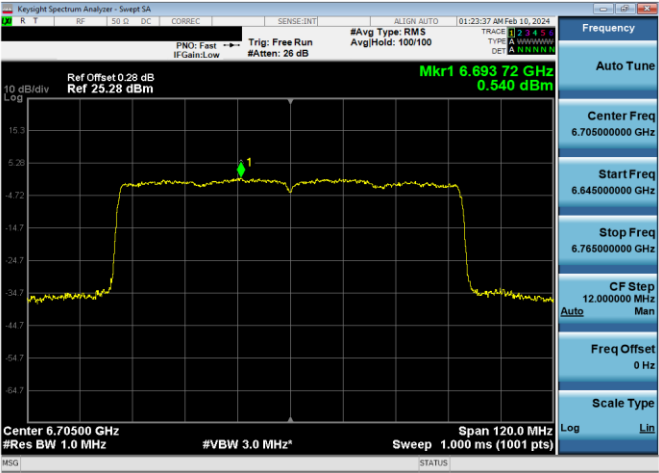
|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |                                        | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 128 of 510                   |



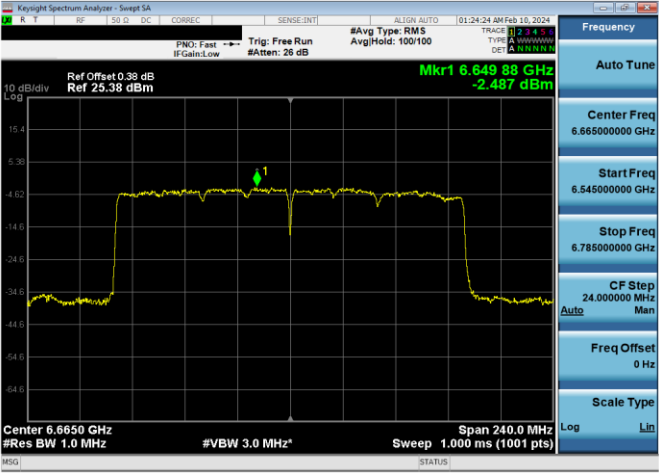
Plot 7-267. Power Spectral Density Plot Antenna WF5B Standard Power (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS11)



Plot 7-268. Power Spectral Density Plot Antenna WF5B Standard Power (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS11)



Plot 7-269. Power Spectral Density Plot Antenna WF5B Standard Power (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS11)



Plot 7-270. Power Spectral Density Plot Antenna WF5B Standard Power (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS11)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 129 of 510                   |

## 7.4.2 Antenna 4a Power Spectral Density Measurements

|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps]   | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p Power Density [dBm/MHz] | Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|--------------------|----------------------------------|--------------------|---------------------------------|--------------------------------------|-------------|
| Band 5 | 5955            | 1           | a           | 12                 | -5.14                            | 2.30               | -2.84                           | -1                                   | -1.84       |
|        | 6175            | 45          | a           | 12                 | -5.18                            | 2.30               | -2.88                           | -1                                   | -1.88       |
|        | 6415            | 93          | a           | 12                 | -5.14                            | 2.30               | -2.84                           | -1                                   | -1.84       |
|        | 5955            | 1           | ax (20MHz)  | 24/25.8 (MCS2)     | -5.41                            | 2.30               | -3.11                           | -1                                   | -2.11       |
|        | 6175            | 45          | ax (20MHz)  | 24/25.8 (MCS2)     | -6.11                            | 2.30               | -3.81                           | -1                                   | -2.81       |
|        | 6415            | 93          | ax (20MHz)  | 24/25.8 (MCS2)     | -5.18                            | 2.30               | -2.88                           | -1                                   | -1.88       |
|        | 5965            | 3           | ax (40MHz)  | 49/51.6 (MCS2)     | -4.75                            | 2.30               | -2.45                           | -1                                   | -1.45       |
|        | 6165            | 43          | ax (40MHz)  | 49/51.6 (MCS2)     | -5.52                            | 2.30               | -3.22                           | -1                                   | -2.22       |
|        | 6405            | 91          | ax (40MHz)  | 49/51.6 (MCS2)     | -5.20                            | 2.30               | -2.90                           | -1                                   | -1.90       |
|        | 5985            | 7           | ax (80MHz)  | 102/108.1 (MCS2)   | -4.78                            | 2.30               | -2.48                           | -1                                   | -1.48       |
|        | 6145            | 39          | ax (80MHz)  | 102/108.1 (MCS2)   | -5.48                            | 2.30               | -3.18                           | -1                                   | -2.18       |
|        | 6385            | 87          | ax (80MHz)  | 102/108.1 (MCS2)   | -4.74                            | 2.30               | -2.44                           | -1                                   | -1.44       |
|        | 6025            | 15          | ax (160MHz) | 183.8/216.2 (MCS2) | -5.41                            | 2.30               | -3.11                           | -1                                   | -2.11       |
|        | 6185            | 47          | ax (160MHz) | 183.8/216.2 (MCS2) | -6.18                            | 2.30               | -3.88                           | -1                                   | -2.88       |
| Band 6 | 6435            | 97          | a           | 12                 | -5.11                            | 2.20               | -2.91                           | -1                                   | -1.91       |
|        | 6475            | 105         | a           | 12                 | -5.08                            | 2.20               | -2.88                           | -1                                   | -1.88       |
|        | 6515            | 113         | a           | 12                 | -4.96                            | 2.20               | -2.76                           | -1                                   | -1.76       |
|        | 6435            | 97          | ax (20MHz)  | 24/25.8 (MCS2)     | -5.39                            | 2.20               | -3.19                           | -1                                   | -2.19       |
|        | 6475            | 105         | ax (20MHz)  | 24/25.8 (MCS2)     | -5.58                            | 2.20               | -3.38                           | -1                                   | -2.38       |
|        | 6515            | 113         | ax (20MHz)  | 24/25.8 (MCS2)     | -5.59                            | 2.20               | -3.39                           | -1                                   | -2.39       |
|        | 6445            | 99          | ax (40MHz)  | 49/51.6 (MCS2)     | -4.92                            | 2.20               | -2.72                           | -1                                   | -1.72       |
|        | 6485            | 107         | ax (40MHz)  | 49/51.6 (MCS2)     | -4.88                            | 2.20               | -2.68                           | -1                                   | -1.68       |
|        | 6525            | 115         | ax (40MHz)  | 49/51.6 (MCS2)     | -5.66                            | 2.20               | -3.46                           | -1                                   | -2.46       |
|        | 6465            | 103         | ax (80MHz)  | 102/108.1 (MCS2)   | -4.63                            | 2.20               | -2.43                           | -1                                   | -1.43       |
| Band 7 | 6505            | 111         | ax (160MHz) | 183.8/216.2 (MCS2) | -6.47                            | 2.20               | -4.27                           | -1                                   | -3.27       |
|        | 6535            | 117         | a           | 12                 | -5.71                            | 2.10               | -3.61                           | -1                                   | -2.61       |
|        | 6695            | 149         | a           | 12                 | -5.60                            | 2.10               | -3.50                           | -1                                   | -2.50       |
|        | 6875            | 185         | a           | 12                 | -6.67                            | 2.10               | -4.57                           | -1                                   | -3.57       |
|        | 6535            | 117         | ax (20MHz)  | 24/25.8 (MCS2)     | -6.30                            | 2.10               | -4.20                           | -1                                   | -3.20       |
|        | 6695            | 149         | ax (20MHz)  | 24/25.8 (MCS2)     | -5.86                            | 2.10               | -3.76                           | -1                                   | -2.76       |
|        | 6875            | 185         | ax (20MHz)  | 24/25.8 (MCS2)     | -7.28                            | 2.10               | -5.18                           | -1                                   | -4.18       |
|        | 6565            | 123         | ax (40MHz)  | 49/51.6 (MCS2)     | -5.84                            | 2.10               | -3.74                           | -1                                   | -2.74       |
|        | 6725            | 155         | ax (40MHz)  | 49/51.6 (MCS2)     | -5.01                            | 2.10               | -2.91                           | -1                                   | -1.91       |
|        | 6845            | 179         | ax (40MHz)  | 49/51.6 (MCS2)     | -5.56                            | 2.10               | -3.46                           | -1                                   | -2.46       |
|        | 6545            | 119         | ax (80MHz)  | 102/108.1 (MCS2)   | -5.15                            | 2.10               | -3.05                           | -1                                   | -2.05       |
|        | 6705            | 151         | ax (80MHz)  | 102/108.1 (MCS2)   | -5.82                            | 2.10               | -3.72                           | -1                                   | -2.72       |
|        | 6865            | 183         | ax (80MHz)  | 102/108.1 (MCS2)   | -6.77                            | 2.10               | -4.67                           | -1                                   | -3.67       |
|        | 6665            | 143         | ax (160MHz) | 183.8/216.2 (MCS2) | -6.21                            | 2.10               | -4.11                           | -1                                   | -3.11       |
| Band 8 | 6825            | 175         | ax (160MHz) | 183.8/216.2 (MCS2) | -6.83                            | 2.10               | -4.73                           | -1                                   | -3.73       |
|        | 6895            | 189         | a           | 12                 | -6.69                            | 1.80               | -4.89                           | -1                                   | -3.89       |
|        | 6995            | 209         | a           | 12                 | -6.67                            | 1.80               | -4.87                           | -1                                   | -3.87       |
|        | 7115            | 233         | a           | 12                 | -6.51                            | 1.80               | -4.71                           | -1                                   | -3.71       |
|        | 6895            | 189         | ax (20MHz)  | 24/25.8 (MCS2)     | -7.17                            | 1.80               | -5.37                           | -1                                   | -4.37       |
|        | 6995            | 209         | ax (20MHz)  | 24/25.8 (MCS2)     | -7.46                            | 1.80               | -5.66                           | -1                                   | -4.66       |
|        | 7115            | 233         | ax (20MHz)  | 24/25.8 (MCS2)     | -7.39                            | 1.80               | -5.59                           | -1                                   | -4.59       |
|        | 6885            | 187         | ax (40MHz)  | 49/51.6 (MCS2)     | -6.52                            | 1.80               | -4.72                           | -1                                   | -3.72       |
|        | 7005            | 211         | ax (40MHz)  | 49/51.6 (MCS2)     | -6.63                            | 1.80               | -4.83                           | -1                                   | -3.83       |
|        | 7085            | 227         | ax (40MHz)  | 49/51.6 (MCS2)     | -6.72                            | 1.80               | -4.92                           | -1                                   | -3.92       |
|        | 6945            | 199         | ax (80MHz)  | 102/108.1 (MCS2)   | -6.58                            | 1.80               | -4.78                           | -1                                   | -3.78       |
|        | 7025            | 215         | ax (80MHz)  | 102/108.1 (MCS2)   | -6.29                            | 1.80               | -4.49                           | -1                                   | -3.49       |
|        | 6985            | 207         | ax (160MHz) | 183.8/216.2 (MCS2) | -6.74                            | 1.80               | -4.94                           | -1                                   | -3.94       |

**Table 7-137. Power Spectral Density Measurements Antenna 4a (Low Data Rate)**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024                                                                                            | EUT Type:<br>Tablet Device | Page 130 of 510                   |

V 10.50.40 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 Materials Technology. 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 [Mbps]   | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p Power Density [dBm/MHz] | Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|--------------------|----------------------------------|--------------------|---------------------------------|--------------------------------------|-------------|
| Band 5 | 5955            | 1           | a           | 24                 | -5.07                            | 2.30               | -2.77                           | -1                                   | -1.77       |
|        | 6175            | 45          | a           | 24                 | -5.74                            | 2.30               | -3.44                           | -1                                   | -2.44       |
|        | 6415            | 93          | a           | 24                 | -4.82                            | 2.30               | -2.52                           | -1                                   | -1.52       |
|        | 5955            | 1           | ax (20MHz)  | 49/51.6 (MCS4)     | -5.24                            | 2.30               | -2.94                           | -1                                   | -1.94       |
|        | 6175            | 45          | ax (20MHz)  | 49/51.6 (MCS4)     | -6.03                            | 2.30               | -3.73                           | -1                                   | -2.73       |
|        | 6415            | 93          | ax (20MHz)  | 49/51.6 (MCS4)     | -5.46                            | 2.30               | -3.16                           | -1                                   | -2.16       |
|        | 5965            | 3           | ax (40MHz)  | 98/103.2 (MCS4)    | -4.57                            | 2.30               | -2.27                           | -1                                   | -1.27       |
|        | 6165            | 43          | ax (40MHz)  | 98/103.2 (MCS4)    | -5.58                            | 2.30               | -3.28                           | -1                                   | -2.28       |
|        | 6405            | 91          | ax (40MHz)  | 98/103.2 (MCS4)    | -5.13                            | 2.30               | -2.83                           | -1                                   | -1.83       |
|        | 5985            | 7           | ax (80MHz)  | 204/216.2 (MCS4)   | -4.51                            | 2.30               | -2.21                           | -1                                   | -1.21       |
|        | 6145            | 39          | ax (80MHz)  | 204/216.2 (MCS4)   | -5.74                            | 2.30               | -3.44                           | -1                                   | -2.44       |
|        | 6385            | 87          | ax (80MHz)  | 204/216.2 (MCS4)   | -4.81                            | 2.30               | -2.51                           | -1                                   | -1.51       |
|        | 6025            | 15          | ax (160MHz) | 367.5/432.4 (MCS4) | -5.28                            | 2.30               | -2.98                           | -1                                   | -1.98       |
|        | 6185            | 47          | ax (160MHz) | 367.5/432.4 (MCS4) | -5.89                            | 2.30               | -3.59                           | -1                                   | -2.59       |
| Band 6 | 6345            | 79          | ax (160MHz) | 367.5/432.4 (MCS4) | -5.84                            | 2.30               | -3.54                           | -1                                   | -2.54       |
|        | 6435            | 97          | a           | 24                 | -4.93                            | 2.20               | -2.73                           | -1                                   | -1.73       |
|        | 6475            | 105         | a           | 24                 | -4.93                            | 2.20               | -2.73                           | -1                                   | -1.73       |
|        | 6515            | 113         | a           | 24                 | -4.92                            | 2.20               | -2.72                           | -1                                   | -1.72       |
|        | 6435            | 97          | ax (20MHz)  | 49/51.6 (MCS4)     | -5.35                            | 2.20               | -3.15                           | -1                                   | -2.15       |
|        | 6475            | 105         | ax (20MHz)  | 49/51.6 (MCS4)     | -5.42                            | 2.20               | -3.22                           | -1                                   | -2.22       |
|        | 6515            | 113         | ax (20MHz)  | 49/51.6 (MCS4)     | -5.29                            | 2.20               | -3.09                           | -1                                   | -2.09       |
|        | 6445            | 99          | ax (40MHz)  | 98/103.2 (MCS4)    | -4.79                            | 2.20               | -2.59                           | -1                                   | -1.59       |
|        | 6485            | 107         | ax (40MHz)  | 98/103.2 (MCS4)    | -4.77                            | 2.20               | -2.57                           | -1                                   | -1.57       |
|        | 6525            | 115         | ax (40MHz)  | 98/103.2 (MCS4)    | -5.48                            | 2.20               | -3.28                           | -1                                   | -2.28       |
|        | 6465            | 103         | ax (80MHz)  | 204/216.2 (MCS4)   | -4.55                            | 2.20               | -2.35                           | -1                                   | -1.35       |
| Band 7 | 6505            | 111         | ax (160MHz) | 367.5/432.4 (MCS4) | -6.24                            | 2.20               | -4.04                           | -1                                   | -3.04       |
|        | 6535            | 117         | a           | 24                 | -5.97                            | 2.10               | -3.87                           | -1                                   | -2.87       |
|        | 6695            | 149         | a           | 24                 | -5.30                            | 2.10               | -3.20                           | -1                                   | -2.20       |
|        | 6875            | 185         | a           | 24                 | -7.02                            | 2.10               | -4.92                           | -1                                   | -3.92       |
|        | 6535            | 117         | ax (20MHz)  | 49/51.6 (MCS4)     | -6.22                            | 2.10               | -4.12                           | -1                                   | -3.12       |
|        | 6695            | 149         | ax (20MHz)  | 49/51.6 (MCS4)     | -5.76                            | 2.10               | -3.66                           | -1                                   | -2.66       |
|        | 6875            | 185         | ax (20MHz)  | 49/51.6 (MCS4)     | -7.20                            | 2.10               | -5.10                           | -1                                   | -4.10       |
|        | 6565            | 123         | ax (40MHz)  | 98/103.2 (MCS4)    | -5.95                            | 2.10               | -3.85                           | -1                                   | -2.85       |
|        | 6725            | 155         | ax (40MHz)  | 98/103.2 (MCS4)    | -5.04                            | 2.10               | -2.94                           | -1                                   | -1.94       |
|        | 6845            | 179         | ax (40MHz)  | 98/103.2 (MCS4)    | -5.66                            | 2.10               | -3.56                           | -1                                   | -2.56       |
|        | 6545            | 119         | ax (80MHz)  | 204/216.2 (MCS4)   | -5.30                            | 2.10               | -3.20                           | -1                                   | -2.20       |
|        | 6705            | 151         | ax (80MHz)  | 204/216.2 (MCS4)   | -5.35                            | 2.10               | -3.25                           | -1                                   | -2.25       |
|        | 6865            | 183         | ax (80MHz)  | 204/216.2 (MCS4)   | -6.49                            | 2.10               | -4.39                           | -1                                   | -3.39       |
|        | 6665            | 143         | ax (160MHz) | 367.5/432.4 (MCS4) | -6.47                            | 2.10               | -4.37                           | -1                                   | -3.37       |
| Band 8 | 6825            | 175         | ax (160MHz) | 367.5/432.4 (MCS4) | -6.46                            | 2.10               | -4.36                           | -1                                   | -3.36       |
|        | 6895            | 189         | a           | 24                 | -6.71                            | 1.80               | -4.91                           | -1                                   | -3.91       |
|        | 6995            | 209         | a           | 24                 | -6.89                            | 1.80               | -5.09                           | -1                                   | -4.09       |
|        | 7115            | 233         | a           | 24                 | -6.71                            | 1.80               | -4.91                           | -1                                   | -3.91       |
|        | 6895            | 189         | ax (20MHz)  | 49/51.6 (MCS4)     | -7.07                            | 1.80               | -5.27                           | -1                                   | -4.27       |
|        | 6995            | 209         | ax (20MHz)  | 49/51.6 (MCS4)     | -7.23                            | 1.80               | -5.43                           | -1                                   | -4.43       |
|        | 7115            | 233         | ax (20MHz)  | 49/51.6 (MCS4)     | -7.34                            | 1.80               | -5.54                           | -1                                   | -4.54       |
|        | 6885            | 187         | ax (40MHz)  | 98/103.2 (MCS4)    | -6.17                            | 1.80               | -4.37                           | -1                                   | -3.37       |
|        | 7005            | 211         | ax (40MHz)  | 98/103.2 (MCS4)    | -6.58                            | 1.80               | -4.78                           | -1                                   | -3.78       |
|        | 7085            | 227         | ax (40MHz)  | 98/103.2 (MCS4)    | -6.23                            | 1.80               | -4.43                           | -1                                   | -3.43       |
|        | 6945            | 199         | ax (80MHz)  | 204/216.2 (MCS4)   | -6.31                            | 1.80               | -4.51                           | -1                                   | -3.51       |
|        | 7025            | 215         | ax (80MHz)  | 204/216.2 (MCS4)   | -6.63                            | 1.80               | -4.83                           | -1                                   | -3.83       |
|        | 6985            | 207         | ax (160MHz) | 367.5/432.4 (MCS4) | -6.80                            | 1.80               | -5.00                           | -1                                   | -4.00       |

**Table 7-138. Power Spectral Density Measurements Antenna 4a (Mid Data Rate)**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024                                                                                            | EUT Type:<br>Tablet Device | Page 131 of 510                   |

V 10.50.40 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 Materials Technology. 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 [Mbps]    | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p Power Density [dBm/MHz] | Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|---------------------|----------------------------------|--------------------|---------------------------------|--------------------------------------|-------------|
| Band 5 | 5955            | 1           | a           | 54                  | -4.95                            | 2.30               | -2.65                           | -1                                   | -1.65       |
|        | 6175            | 45          | a           | 54                  | -5.23                            | 2.30               | -2.93                           | -1                                   | -1.93       |
|        | 6415            | 93          | a           | 54                  | -4.91                            | 2.30               | -2.61                           | -1                                   | -1.61       |
|        | 5955            | 1           | ax (20MHz)  | 135/143.4 (MCS11)   | -5.19                            | 2.30               | -2.89                           | -1                                   | -1.89       |
|        | 6175            | 45          | ax (20MHz)  | 135/143.4 (MCS11)   | -5.93                            | 2.30               | -3.63                           | -1                                   | -2.63       |
|        | 6415            | 93          | ax (20MHz)  | 135/143.4 (MCS11)   | -4.95                            | 2.30               | -2.65                           | -1                                   | -1.65       |
|        | 5965            | 3           | ax (40MHz)  | 271/286.8 (MCS11)   | -4.36                            | 2.30               | -2.06                           | -1                                   | -1.06       |
|        | 6165            | 43          | ax (40MHz)  | 271/286.8 (MCS11)   | -5.47                            | 2.30               | -3.17                           | -1                                   | -2.17       |
|        | 6405            | 91          | ax (40MHz)  | 271/286.8 (MCS11)   | -4.62                            | 2.30               | -2.32                           | -1                                   | -1.32       |
|        | 5985            | 7           | ax (80MHz)  | 567/600.5 (MCS11)   | -4.63                            | 2.30               | -2.33                           | -1                                   | -1.33       |
|        | 6145            | 39          | ax (80MHz)  | 567/600.5 (MCS11)   | -5.55                            | 2.30               | -3.25                           | -1                                   | -2.25       |
|        | 6385            | 87          | ax (80MHz)  | 567/600.5 (MCS11)   | -4.82                            | 2.30               | -2.52                           | -1                                   | -1.52       |
|        | 6025            | 15          | ax (160MHz) | 1020.8/1201 (MCS11) | -5.58                            | 2.30               | -3.28                           | -1                                   | -2.28       |
|        | 6185            | 47          | ax (160MHz) | 1020.8/1201 (MCS11) | -6.39                            | 2.30               | -4.09                           | -1                                   | -3.09       |
| Band 6 | 6345            | 79          | ax (160MHz) | 1020.8/1201 (MCS11) | -6.00                            | 2.30               | -3.70                           | -1                                   | -2.70       |
|        | 6435            | 97          | a           | 54                  | -4.79                            | 2.20               | -2.59                           | -1                                   | -1.59       |
|        | 6475            | 105         | a           | 54                  | -4.95                            | 2.20               | -2.75                           | -1                                   | -1.75       |
|        | 6515            | 113         | a           | 54                  | -5.34                            | 2.20               | -3.14                           | -1                                   | -2.14       |
|        | 6435            | 97          | ax (20MHz)  | 135/143.4 (MCS11)   | -5.33                            | 2.20               | -3.13                           | -1                                   | -2.13       |
|        | 6475            | 105         | ax (20MHz)  | 135/143.4 (MCS11)   | -5.42                            | 2.20               | -3.22                           | -1                                   | -2.22       |
|        | 6515            | 113         | ax (20MHz)  | 135/143.4 (MCS11)   | -5.86                            | 2.20               | -3.66                           | -1                                   | -2.66       |
|        | 6445            | 99          | ax (40MHz)  | 271/286.8 (MCS11)   | -4.62                            | 2.20               | -2.42                           | -1                                   | -1.42       |
|        | 6485            | 107         | ax (40MHz)  | 271/286.8 (MCS11)   | -4.81                            | 2.20               | -2.61                           | -1                                   | -1.61       |
|        | 6525            | 115         | ax (40MHz)  | 271/286.8 (MCS11)   | -5.46                            | 2.20               | -3.26                           | -1                                   | -2.26       |
|        | 6465            | 103         | ax (80MHz)  | 567/600.5 (MCS11)   | -4.39                            | 2.20               | -2.19                           | -1                                   | -1.19       |
|        | 6505            | 111         | ax (160MHz) | 1020.8/1201 (MCS11) | -6.20                            | 2.20               | -4.00                           | -1                                   | -3.00       |
| Band 7 | 6535            | 117         | a           | 54                  | -6.13                            | 2.10               | -4.03                           | -1                                   | -3.03       |
|        | 6695            | 149         | a           | 54                  | -5.54                            | 2.10               | -3.44                           | -1                                   | -2.44       |
|        | 6875            | 185         | a           | 54                  | -6.76                            | 2.10               | -4.66                           | -1                                   | -3.66       |
|        | 6535            | 117         | ax (20MHz)  | 135/143.4 (MCS11)   | -6.20                            | 2.10               | -4.10                           | -1                                   | -3.10       |
|        | 6695            | 149         | ax (20MHz)  | 135/143.4 (MCS11)   | -5.75                            | 2.10               | -3.65                           | -1                                   | -2.65       |
|        | 6875            | 185         | ax (20MHz)  | 135/143.4 (MCS11)   | -7.11                            | 2.10               | -5.01                           | -1                                   | -4.01       |
|        | 6565            | 123         | ax (40MHz)  | 271/286.8 (MCS11)   | -5.91                            | 2.10               | -3.81                           | -1                                   | -2.81       |
|        | 6725            | 155         | ax (40MHz)  | 271/286.8 (MCS11)   | -4.92                            | 2.10               | -2.82                           | -1                                   | -1.82       |
|        | 6845            | 179         | ax (40MHz)  | 271/286.8 (MCS11)   | -5.34                            | 2.10               | -3.24                           | -1                                   | -2.24       |
|        | 6545            | 119         | ax (80MHz)  | 567/600.5 (MCS11)   | -5.42                            | 2.10               | -3.32                           | -1                                   | -2.32       |
|        | 6705            | 151         | ax (80MHz)  | 567/600.5 (MCS11)   | -5.03                            | 2.10               | -2.93                           | -1                                   | -1.93       |
|        | 6865            | 183         | ax (80MHz)  | 567/600.5 (MCS11)   | -6.45                            | 2.10               | -4.35                           | -1                                   | -3.35       |
|        | 6665            | 143         | ax (160MHz) | 1020.8/1201 (MCS11) | -5.98                            | 2.10               | -3.88                           | -1                                   | -2.88       |
|        | 6825            | 175         | ax (160MHz) | 1020.8/1201 (MCS11) | -6.69                            | 2.10               | -4.59                           | -1                                   | -3.59       |
| Band 8 | 6895            | 189         | a           | 54                  | -6.57                            | 1.80               | -4.77                           | -1                                   | -3.77       |
|        | 6995            | 209         | a           | 54                  | -6.64                            | 1.80               | -4.84                           | -1                                   | -3.84       |
|        | 7115            | 233         | a           | 54                  | -6.73                            | 1.80               | -4.93                           | -1                                   | -3.93       |
|        | 6895            | 189         | ax (20MHz)  | 135/143.4 (MCS11)   | -7.38                            | 1.80               | -5.58                           | -1                                   | -4.58       |
|        | 6995            | 209         | ax (20MHz)  | 135/143.4 (MCS11)   | -7.17                            | 1.80               | -5.37                           | -1                                   | -4.37       |
|        | 7115            | 233         | ax (20MHz)  | 135/143.4 (MCS11)   | -6.87                            | 1.80               | -5.07                           | -1                                   | -4.07       |
|        | 6885            | 187         | ax (40MHz)  | 271/286.8 (MCS11)   | -6.33                            | 1.80               | -4.53                           | -1                                   | -3.53       |
|        | 7005            | 211         | ax (40MHz)  | 271/286.8 (MCS11)   | -6.59                            | 1.80               | -4.79                           | -1                                   | -3.79       |
|        | 7085            | 227         | ax (40MHz)  | 271/286.8 (MCS11)   | -6.21                            | 1.80               | -4.41                           | -1                                   | -3.41       |
|        | 6945            | 199         | ax (80MHz)  | 567/600.5 (MCS11)   | -6.48                            | 1.80               | -4.68                           | -1                                   | -3.68       |
|        | 7025            | 215         | ax (80MHz)  | 567/600.5 (MCS11)   | -6.35                            | 1.80               | -4.55                           | -1                                   | -3.55       |
|        | 6985            | 207         | ax (160MHz) | 1020.8/1201 (MCS11) | -6.78                            | 1.80               | -4.98                           | -1                                   | -3.98       |

**Table 7-139. Power Spectral Density Measurements Antenna 4a (High Data Rate)**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024                                                                                            | EUT Type:<br>Tablet Device | Page 132 of 510                   |

V 10.50.40 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 Materials Technology. 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 [Mbps]   | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p Power Density [dBm/MHz] | Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|--------------------|----------------------------------|--------------------|---------------------------------|--------------------------------------|-------------|
| Band 5 | 5955            | 1           | a           | 12                 | 6.34                             | 2.30               | 8.64                            | 17                                   | -8.36       |
|        | 6175            | 45          | a           | 12                 | 6.74                             | 2.30               | 9.04                            | 17                                   | -7.96       |
|        | 6415            | 93          | a           | 12                 | 6.62                             | 2.30               | 8.92                            | 17                                   | -8.08       |
|        | 5955            | 1           | ax (20MHz)  | 24/25.8 (MCS2)     | 6.12                             | 2.30               | 8.42                            | 17                                   | -8.58       |
|        | 6175            | 45          | ax (20MHz)  | 24/25.8 (MCS2)     | 6.51                             | 2.30               | 8.81                            | 17                                   | -8.19       |
|        | 6415            | 93          | ax (20MHz)  | 24/25.8 (MCS2)     | 6.46                             | 2.30               | 8.76                            | 17                                   | -8.24       |
|        | 5965            | 3           | ax (40MHz)  | 49/51.6 (MCS2)     | 4.26                             | 2.30               | 6.56                            | 17                                   | -10.44      |
|        | 6165            | 43          | ax (40MHz)  | 49/51.6 (MCS2)     | 3.72                             | 2.30               | 6.02                            | 17                                   | -10.98      |
|        | 6405            | 91          | ax (40MHz)  | 49/51.6 (MCS2)     | 3.86                             | 2.30               | 6.16                            | 17                                   | -10.84      |
|        | 5985            | 7           | ax (80MHz)  | 102/108.1 (MCS2)   | 1.25                             | 2.30               | 3.55                            | 17                                   | -13.45      |
|        | 6145            | 39          | ax (80MHz)  | 102/108.1 (MCS2)   | 0.94                             | 2.30               | 3.24                            | 17                                   | -13.76      |
|        | 6385            | 87          | ax (80MHz)  | 102/108.1 (MCS2)   | 1.10                             | 2.30               | 3.40                            | 17                                   | -13.60      |
|        | 6025            | 15          | ax (160MHz) | 183.8/216.2 (MCS2) | -2.00                            | 2.30               | 0.30                            | 17                                   | -16.70      |
|        | 6181            | 47          | ax (160MHz) | 183.8/216.2 (MCS2) | -1.89                            | 2.30               | 0.41                            | 17                                   | -16.59      |
|        | 6345            | 79          | ax (160MHz) | 183.8/216.2 (MCS2) | -1.95                            | 2.30               | 0.35                            | 17                                   | -16.65      |
| Band 7 | 6535            | 117         | a           | 12                 | 6.87                             | 2.10               | 8.97                            | 17                                   | -8.03       |
|        | 6695            | 149         | a           | 12                 | 6.54                             | 2.10               | 8.64                            | 17                                   | -8.36       |
|        | 6875            | 181         | a           | 12                 | 4.43                             | 2.10               | 6.53                            | 17                                   | -10.47      |
|        | 6535            | 117         | ax (20MHz)  | 24/25.8 (MCS2)     | 6.48                             | 2.10               | 8.58                            | 17                                   | -8.42       |
|        | 6695            | 149         | ax (20MHz)  | 24/25.8 (MCS2)     | 6.31                             | 2.10               | 8.41                            | 17                                   | -8.59       |
|        | 6875            | 181         | ax (20MHz)  | 24/25.8 (MCS2)     | 4.12                             | 2.10               | 6.22                            | 17                                   | -10.79      |
|        | 6565            | 123         | ax (40MHz)  | 49/51.6 (MCS2)     | 4.26                             | 2.10               | 6.36                            | 17                                   | -10.64      |
|        | 6725            | 155         | ax (40MHz)  | 49/51.6 (MCS2)     | 3.80                             | 2.10               | 5.90                            | 17                                   | -11.10      |
|        | 6845            | 179         | ax (40MHz)  | 49/51.6 (MCS2)     | 3.77                             | 2.10               | 5.87                            | 17                                   | -11.13      |
|        | 6545            | 135         | ax (80MHz)  | 102/108.1 (MCS2)   | -1.58                            | 2.10               | 0.52                            | 17                                   | -16.48      |
|        | 6705            | 151         | ax (80MHz)  | 102/108.1 (MCS2)   | 1.20                             | 2.10               | 3.30                            | 17                                   | -13.70      |
|        | 6865            | 167         | ax (80MHz)  | 102/108.1 (MCS2)   | -1.60                            | 2.10               | 0.50                            | 17                                   | -16.50      |
|        | 6665            | 143         | ax (160MHz) | 183.8/216.2 (MCS2) | -1.71                            | 2.10               | 0.39                            | 17                                   | -16.61      |

**Table 7-140. Power Spectral Density Measurements Antenna 4a Standard Power (Low Data Rate)**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024                                                                                            | EUT Type:<br>Tablet Device | Page 133 of 510                   |

V 10.50.40 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 Materials Technology. 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 Power Density [dBm/MHz] | Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|--------------------|----------------------------------|--------------------|---------------------------------|--------------------------------------|-------------|
| Band 5 | 5955            | 1           | a           | 24                 | 6.46                             | 2.30               | 8.76                            | 17                                   | -8.24       |
|        | 6175            | 45          | a           | 24                 | 7.02                             | 2.30               | 9.32                            | 17                                   | -7.68       |
|        | 6415            | 93          | a           | 24                 | 6.72                             | 2.30               | 9.02                            | 17                                   | -7.98       |
|        | 5955            | 1           | ax (20MHz)  | 49/51.6 (MCS4)     | 6.42                             | 2.30               | 8.72                            | 17                                   | -8.28       |
|        | 6175            | 45          | ax (20MHz)  | 49/51.6 (MCS4)     | 6.69                             | 2.30               | 8.99                            | 17                                   | -8.01       |
|        | 6415            | 93          | ax (20MHz)  | 49/51.6 (MCS4)     | 6.58                             | 2.30               | 8.88                            | 17                                   | -8.12       |
|        | 5965            | 3           | ax (40MHz)  | 98/103.2 (MCS4)    | 4.33                             | 2.30               | 6.63                            | 17                                   | -10.37      |
|        | 6165            | 43          | ax (40MHz)  | 98/103.2 (MCS4)    | 3.83                             | 2.30               | 6.13                            | 17                                   | -10.87      |
|        | 6405            | 91          | ax (40MHz)  | 98/103.2 (MCS4)    | 3.91                             | 2.30               | 6.21                            | 17                                   | -10.79      |
|        | 5985            | 7           | ax (80MHz)  | 204/216.2 (MCS4)   | 1.31                             | 2.30               | 3.61                            | 17                                   | -13.39      |
|        | 6145            | 39          | ax (80MHz)  | 204/216.2 (MCS4)   | 1.39                             | 2.30               | 3.69                            | 17                                   | -13.31      |
|        | 6385            | 87          | ax (80MHz)  | 204/216.2 (MCS4)   | 1.28                             | 2.30               | 3.58                            | 17                                   | -13.42      |
|        | 6025            | 15          | ax (160MHz) | 367.5/432.4 (MCS4) | -1.97                            | 2.30               | 0.33                            | 17                                   | -16.67      |
|        | 6181            | 47          | ax (160MHz) | 367.5/432.4 (MCS4) | -1.65                            | 2.30               | 0.65                            | 17                                   | -16.35      |
|        | 6345            | 79          | ax (160MHz) | 367.5/432.4 (MCS4) | -1.89                            | 2.30               | 0.41                            | 17                                   | -16.59      |
| Band 7 | 6535            | 117         | a           | 24                 | 6.73                             | 2.10               | 8.83                            | 17                                   | -8.17       |
|        | 6695            | 149         | a           | 24                 | 6.69                             | 2.10               | 8.79                            | 17                                   | -8.21       |
|        | 6875            | 181         | a           | 24                 | 4.53                             | 2.10               | 6.63                            | 17                                   | -10.37      |
|        | 6535            | 117         | ax (20MHz)  | 49/51.6 (MCS4)     | 6.58                             | 2.10               | 8.68                            | 18                                   | -9.32       |
|        | 6695            | 149         | ax (20MHz)  | 49/51.6 (MCS4)     | 6.53                             | 2.10               | 8.63                            | 19                                   | -10.37      |
|        | 6875            | 181         | ax (20MHz)  | 49/51.6 (MCS4)     | 6.00                             | 2.10               | 8.10                            | 20                                   | -11.90      |
|        | 6565            | 123         | ax (40MHz)  | 98/103.2 (MCS4)    | 4.19                             | 2.10               | 6.29                            | 21                                   | -14.71      |
|        | 6725            | 155         | ax (40MHz)  | 98/103.2 (MCS4)    | 3.94                             | 2.10               | 6.04                            | 17                                   | -10.97      |
|        | 6845            | 179         | ax (40MHz)  | 98/103.2 (MCS4)    | 3.85                             | 2.10               | 5.95                            | 17                                   | -11.05      |
|        | 6545            | 135         | ax (80MHz)  | 204/216.2 (MCS4)   | -1.57                            | 2.10               | 0.53                            | 17                                   | -16.47      |
|        | 6705            | 151         | ax (80MHz)  | 204/216.2 (MCS4)   | 1.57                             | 2.10               | 3.67                            | 17                                   | -13.33      |
|        | 6865            | 167         | ax (80MHz)  | 204/216.2 (MCS4)   | -1.46                            | 2.10               | 0.64                            | 17                                   | -16.36      |
|        | 6665            | 143         | ax (160MHz) | 367.5/432.4 (MCS4) | -1.79                            | 2.10               | 0.31                            | 17                                   | -16.69      |

**Table 7-141. Power Spectral Density Measurements Antenna 4a Standard Power (Mid Data Rate)**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024                                                                                            | EUT Type:<br>Tablet Device | Page 134 of 510                   |

V 10.50.40 12/15/2021

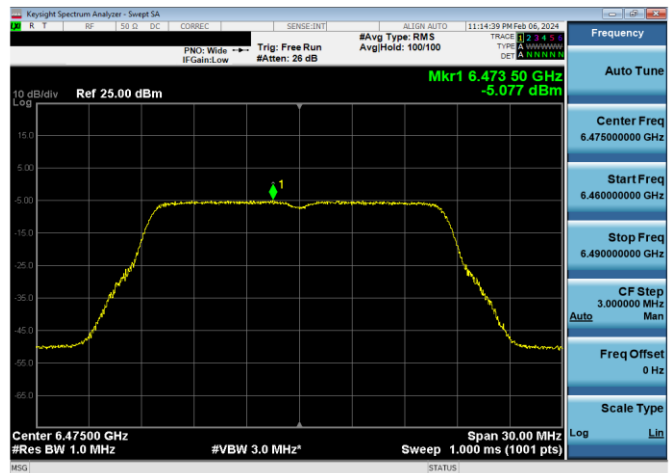
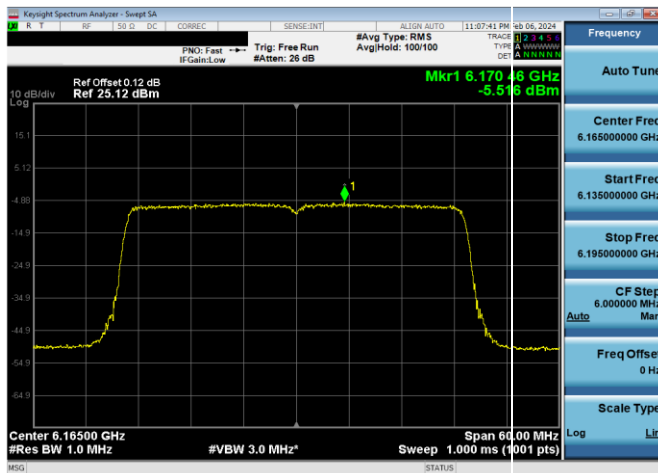
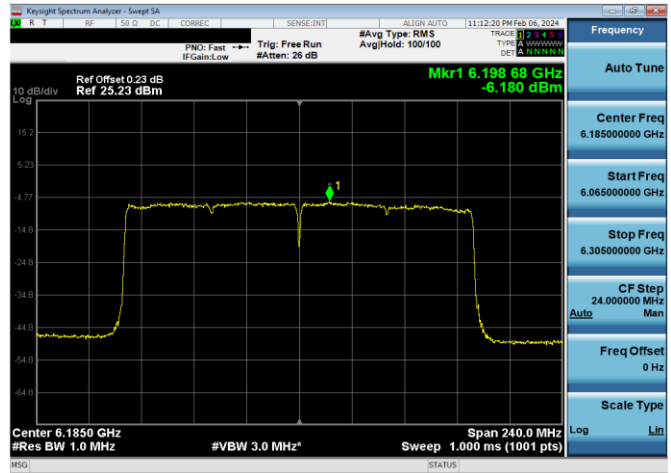
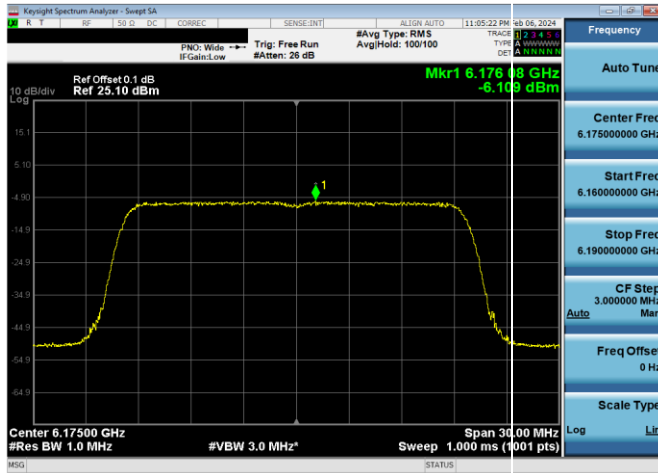
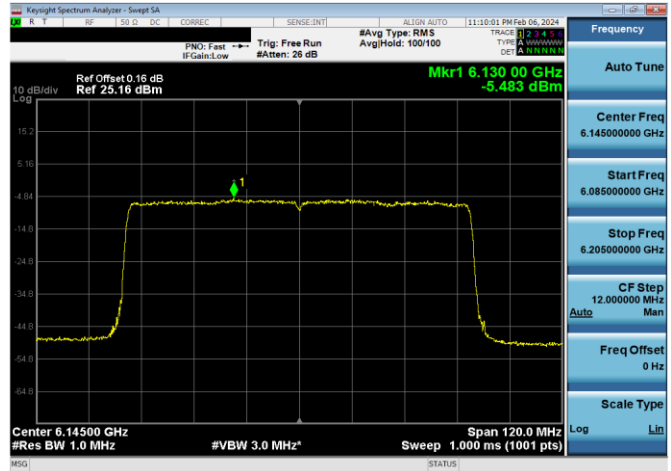
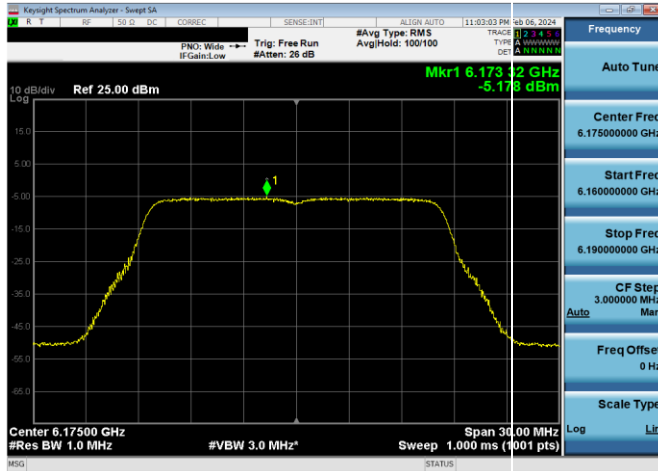
|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [MHz]     | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p Power Density [dBm/MHz] | Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|---------------------|----------------------------------|--------------------|---------------------------------|--------------------------------------|-------------|
| Band 5 | 5955            | 1           | a           | 54                  | 6.56                             | 2.30               | 8.86                            | 17                                   | -8.14       |
|        | 6175            | 45          | a           | 54                  | 7.07                             | 2.30               | 9.37                            | 17                                   | -7.63       |
|        | 6415            | 93          | a           | 54                  | 6.89                             | 2.30               | 9.19                            | 17                                   | -7.81       |
|        | 5955            | 1           | ax (20MHz)  | 135/143.4 (MCS11)   | 6.26                             | 2.30               | 8.56                            | 17                                   | -8.44       |
|        | 6175            | 45          | ax (20MHz)  | 135/143.4 (MCS11)   | 6.60                             | 2.30               | 8.90                            | 17                                   | -8.11       |
|        | 6415            | 93          | ax (20MHz)  | 135/143.4 (MCS11)   | 6.49                             | 2.30               | 8.79                            | 17                                   | -8.21       |
|        | 5965            | 3           | ax (40MHz)  | 271/286.8 (MCS11)   | 4.55                             | 2.30               | 6.85                            | 17                                   | -10.15      |
|        | 6165            | 43          | ax (40MHz)  | 271/286.8 (MCS11)   | 3.71                             | 2.30               | 6.01                            | 17                                   | -10.99      |
|        | 6405            | 91          | ax (40MHz)  | 271/286.8 (MCS11)   | 3.72                             | 2.30               | 6.02                            | 17                                   | -10.98      |
|        | 5985            | 7           | ax (80MHz)  | 567/600.5 (MCS11)   | 1.04                             | 2.30               | 3.34                            | 17                                   | -13.66      |
|        | 6145            | 39          | ax (80MHz)  | 567/600.5 (MCS11)   | 0.84                             | 2.30               | 3.14                            | 17                                   | -13.86      |
|        | 6385            | 87          | ax (80MHz)  | 567/600.5 (MCS11)   | 0.71                             | 2.30               | 3.01                            | 17                                   | -13.99      |
|        | 6025            | 15          | ax (160MHz) | 1020.8/1201 (MCS11) | -2.08                            | 2.30               | 0.22                            | 17                                   | -16.78      |
|        | 6181            | 47          | ax (160MHz) | 1020.8/1201 (MCS11) | -2.14                            | 2.30               | 0.16                            | 17                                   | -16.84      |
| Band 7 | 6345            | 79          | ax (160MHz) | 1020.8/1201 (MCS11) | -2.24                            | 2.30               | 0.06                            | 17                                   | -16.94      |
|        | 6535            | 117         | a           | 54                  | 7.00                             | 2.10               | 9.10                            | 17                                   | -7.90       |
|        | 6695            | 149         | a           | 54                  | 6.76                             | 2.10               | 8.86                            | 17                                   | -8.14       |
|        | 6875            | 181         | a           | 54                  | 4.88                             | 2.10               | 6.98                            | 17                                   | -10.02      |
|        | 6535            | 117         | ax (20MHz)  | 135/143.4 (MCS11)   | 6.57                             | 2.10               | 8.67                            | 17                                   | -8.34       |
|        | 6695            | 149         | ax (20MHz)  | 135/143.4 (MCS11)   | 6.51                             | 2.10               | 8.61                            | 17                                   | -8.39       |
|        | 6875            | 181         | ax (20MHz)  | 135/143.4 (MCS11)   | 4.39                             | 2.10               | 6.49                            | 17                                   | -10.51      |
|        | 6565            | 123         | ax (40MHz)  | 271/286.8 (MCS11)   | 4.07                             | 2.10               | 6.17                            | 17                                   | -10.83      |
|        | 6725            | 155         | ax (40MHz)  | 271/286.8 (MCS11)   | 3.81                             | 2.10               | 5.91                            | 17                                   | -11.09      |
|        | 6845            | 179         | ax (40MHz)  | 271/286.8 (MCS11)   | 3.83                             | 2.10               | 5.93                            | 17                                   | -11.07      |
|        | 6545            | 135         | ax (80MHz)  | 567/600.5 (MCS11)   | -1.40                            | 2.10               | 0.70                            | 17                                   | -16.30      |
|        | 6705            | 151         | ax (80MHz)  | 567/600.5 (MCS11)   | 1.26                             | 2.10               | 3.36                            | 17                                   | -13.64      |
|        | 6865            | 167         | ax (80MHz)  | 567/600.5 (MCS11)   | -1.49                            | 2.10               | 0.61                            | 17                                   | -16.39      |
|        | 6665            | 143         | ax (160MHz) | 1020.8/1201 (MCS11) | -1.97                            | 2.10               | 0.13                            | 17                                   | -16.87      |

**Table 7-142. Power Spectral Density Measurements Antenna 4a Standard Power (High Data Rate)**

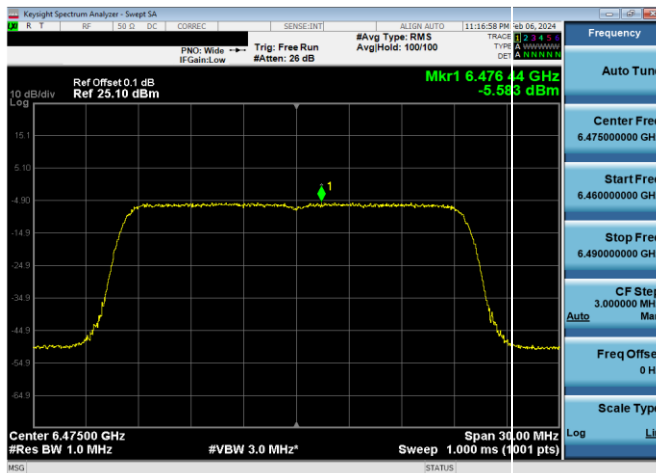
|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024                                                                                            | EUT Type:<br>Tablet Device | Page 135 of 510                   |

V 10.50.40 12/15/2021

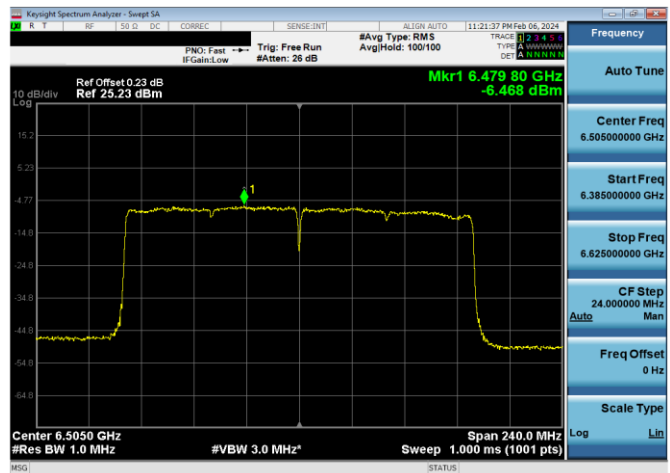
## Low Data Rate



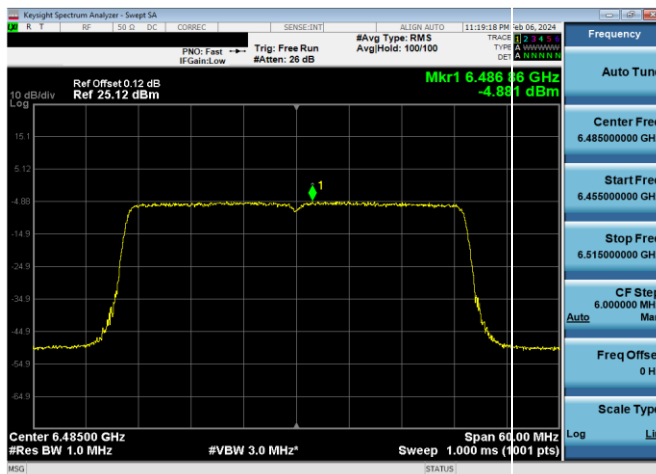
|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 136 of 510                   |



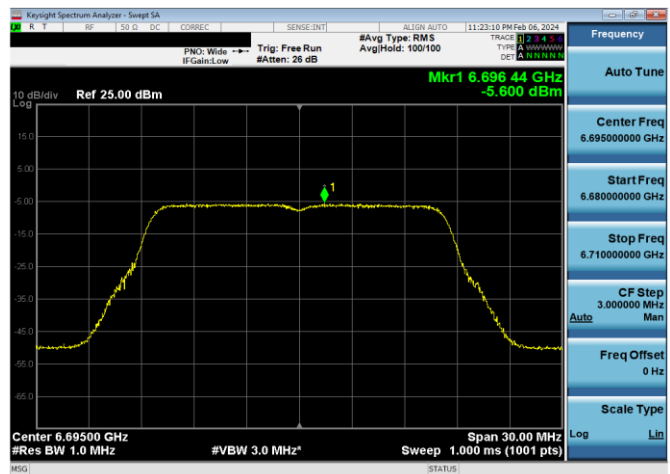
Plot 7-277. Power Spectral Density Plot Antenna 4a LPI (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS2)



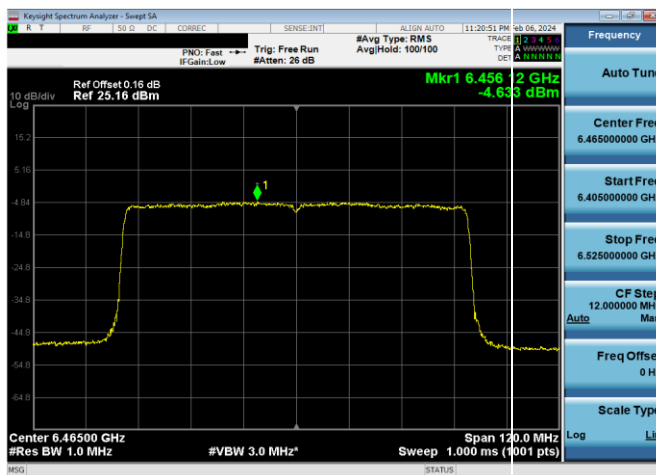
Plot 7-280. Power Spectral Density Plot Antenna 4a LPI (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS2)



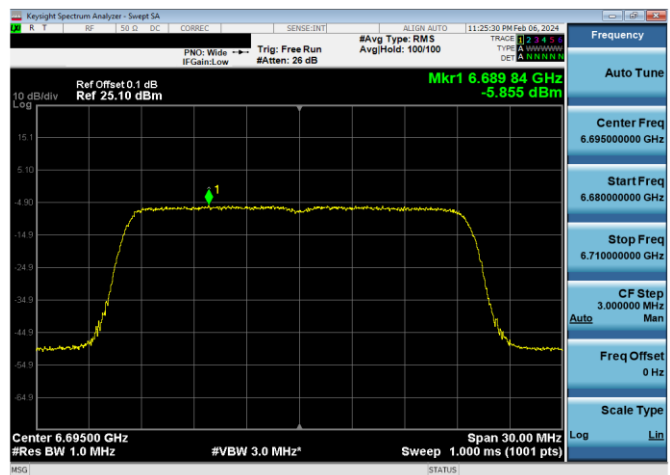
Plot 7-278. Power Spectral Density Plot Antenna 4a LPI (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS2)



Plot 7-281. Power Spectral Density Plot Antenna 4a LPI (20MHz 802.11a (UNII Band 7) – Ch. 149, 12Mbps)



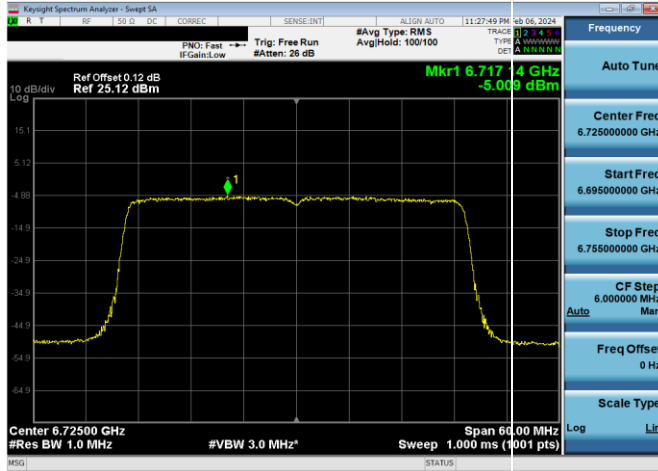
Plot 7-279. Power Spectral Density Plot Antenna 4a LPI (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS2)



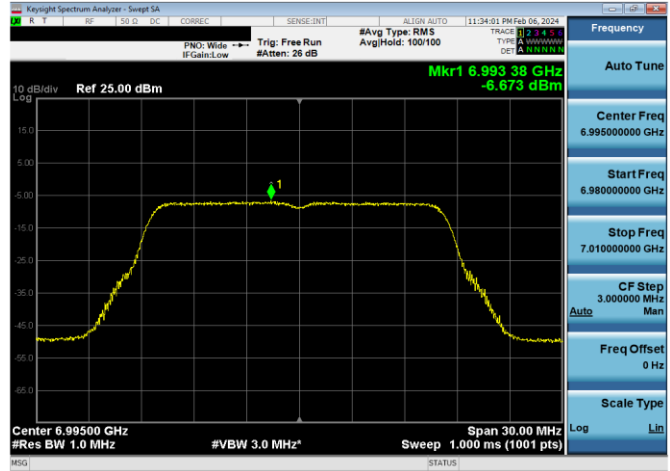
Plot 7-282. Power Spectral Density Plot Antenna 4a LPI (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS2)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 137 of 510                   |

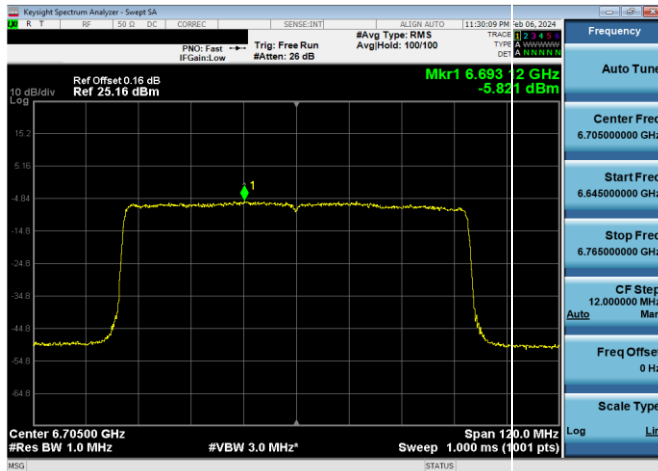
V 10.50.40 12/15/2021



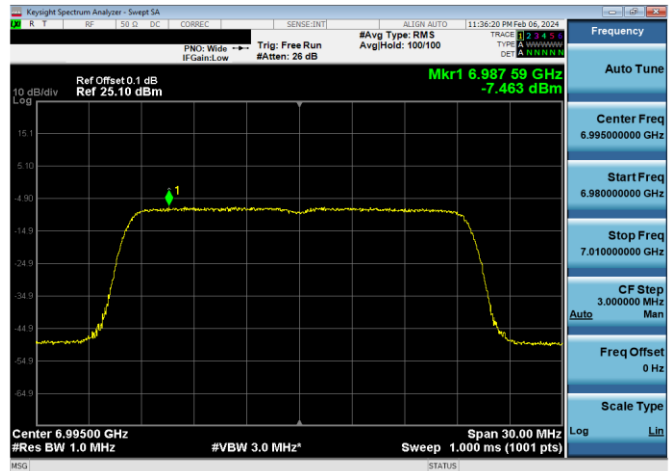
Plot 7-283. Power Spectral Density Plot Antenna 4a LPI (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS2)



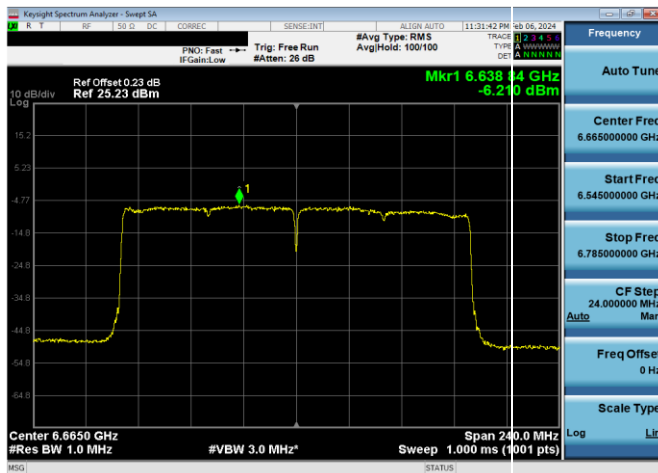
Plot 7-286. Power Spectral Density Plot Antenna 4a LPI (20MHz 802.11a (UNII Band 8) – Ch. 209, 12Mbps)



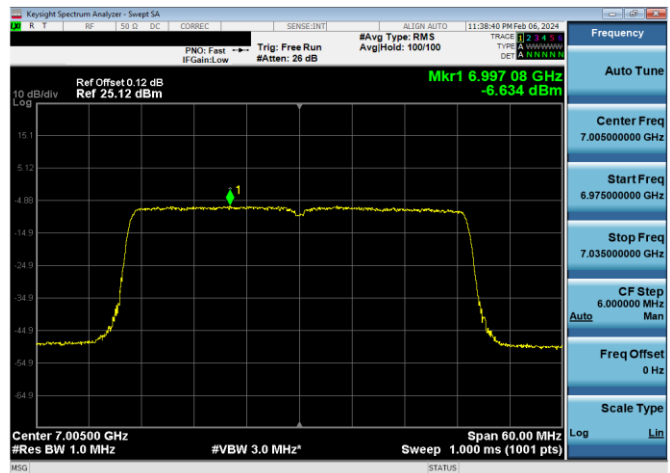
Plot 7-284. Power Spectral Density Plot Antenna 4a LPI (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS2)



Plot 7-287. Power Spectral Density Plot Antenna 4a LPI (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS2)



Plot 7-285. Power Spectral Density Plot Antenna 4a LPI (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS2)



Plot 7-288. Power Spectral Density Plot Antenna 4a LPI (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS2)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837         |                                        | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-24-R2.BCG | Test Dates:<br>11/28/2023 - 04/04/2024 | EUT Type:<br>Tablet Device            | Page 138 of 510                   |