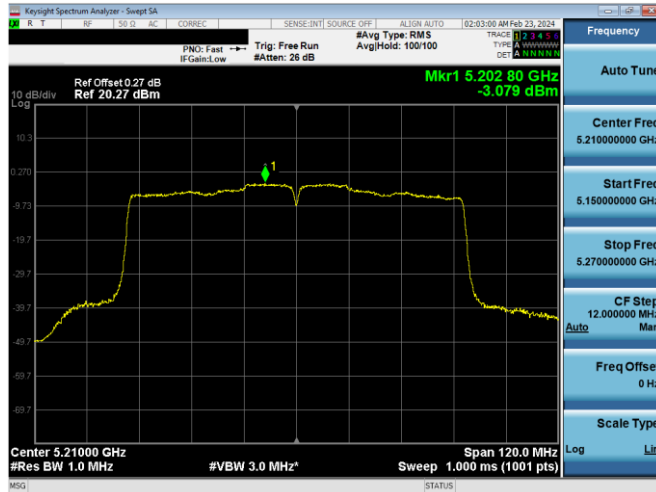
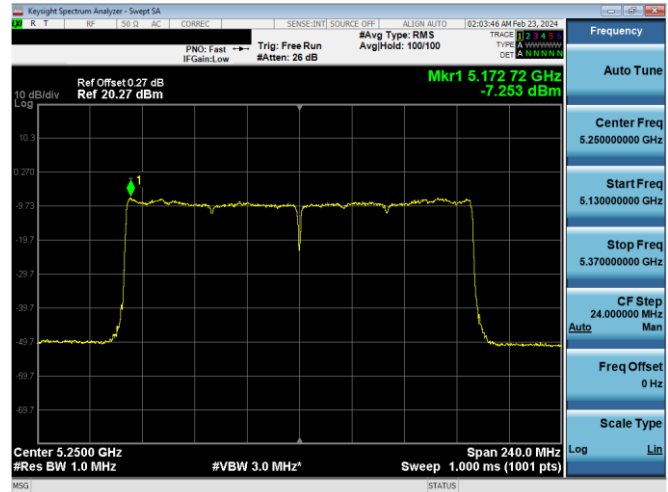
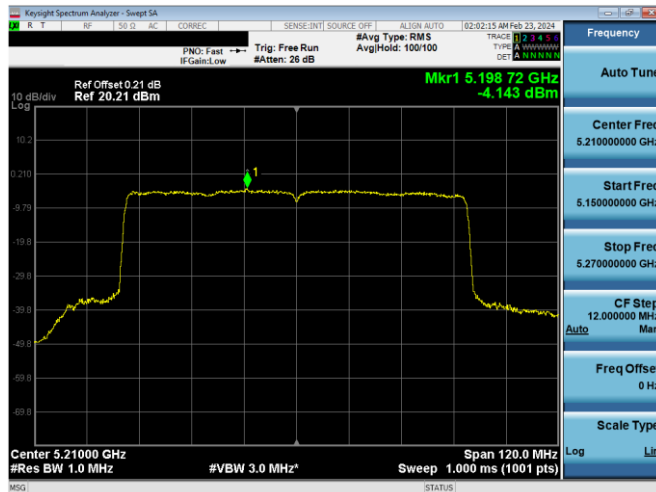




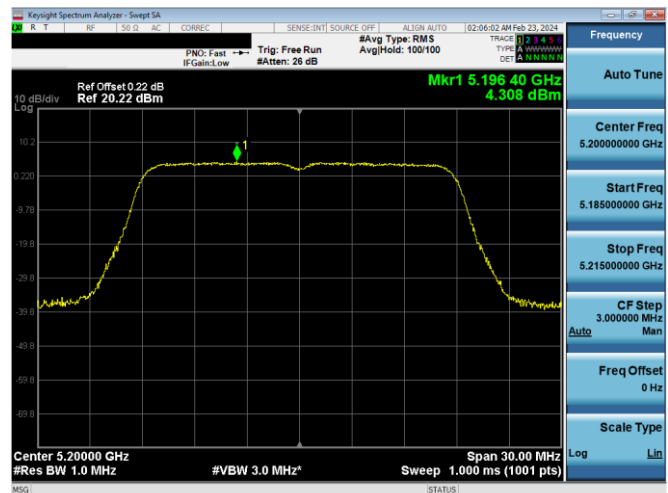
Plot 7-348. ISED PSD Antenna WF5b (80MHz BW 11ac – Ch.42, MCS4)



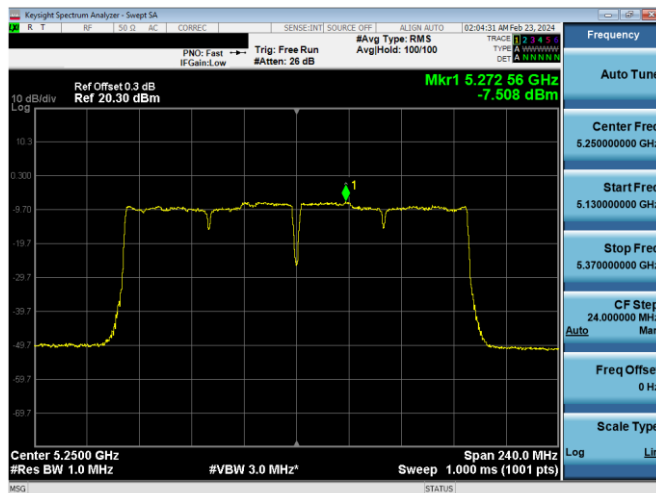
Plot 7-351. ISED PSD Antenna WF5b (160MHz BW 11ax (SU) – Ch.50, MCS4)



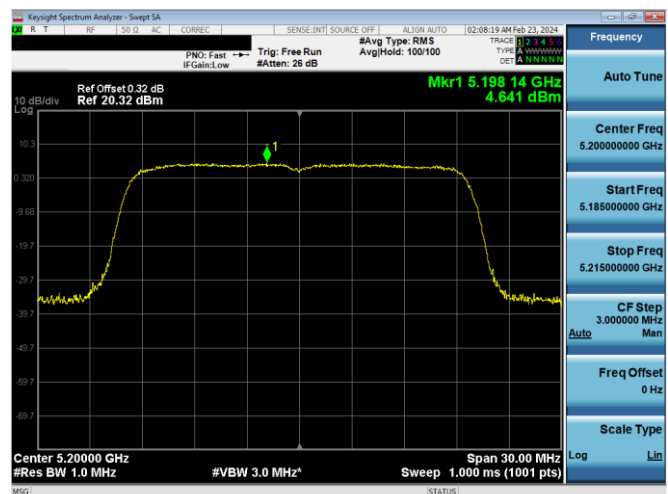
Plot 7-349. ISED PSD Antenna WF5b (80MHz BW 11ax (SU) – Ch.42, MCS4)



Plot 7-352. ISED PSD Antenna WF5b (20MHz BW 11n – Ch.40, MCS7)

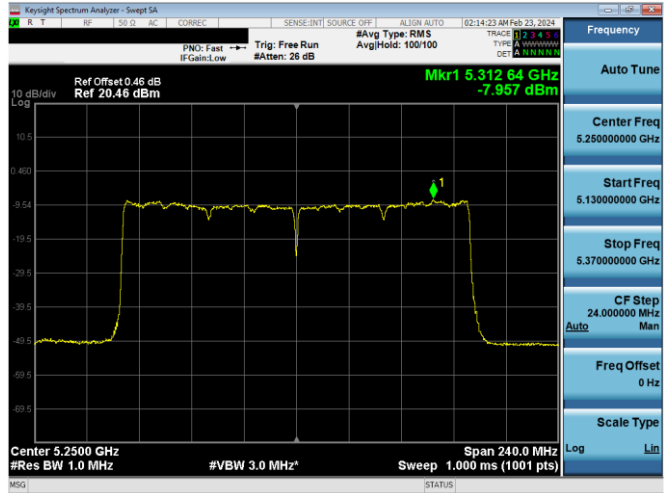
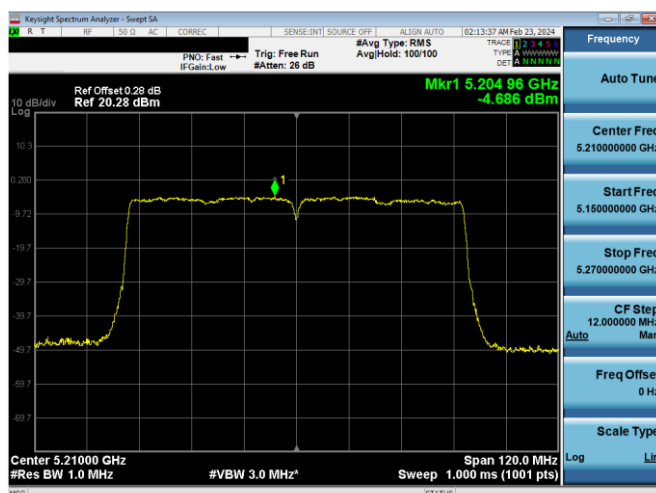
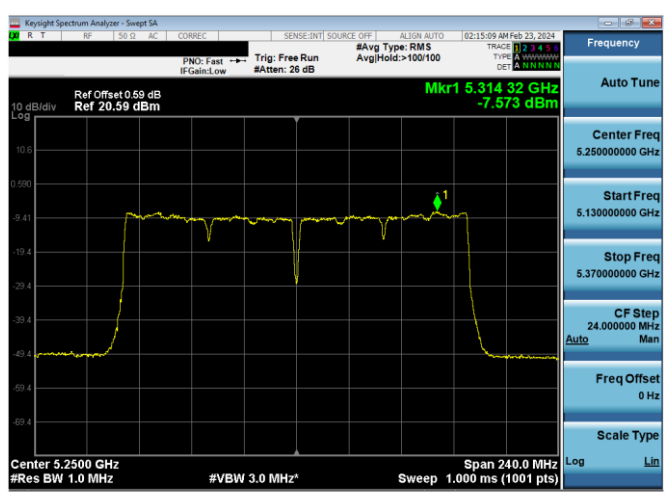
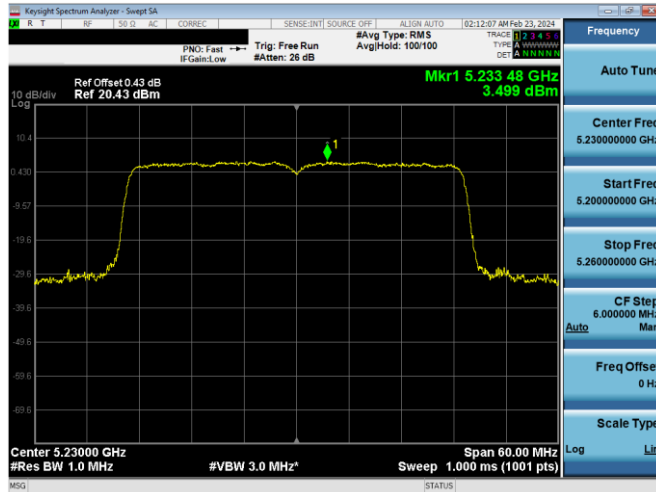
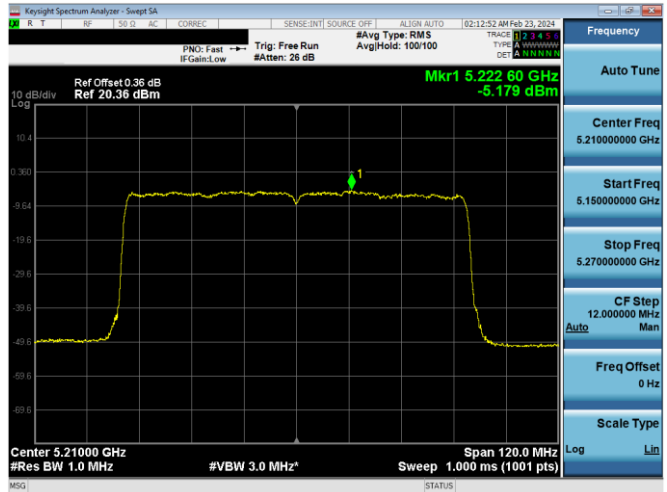
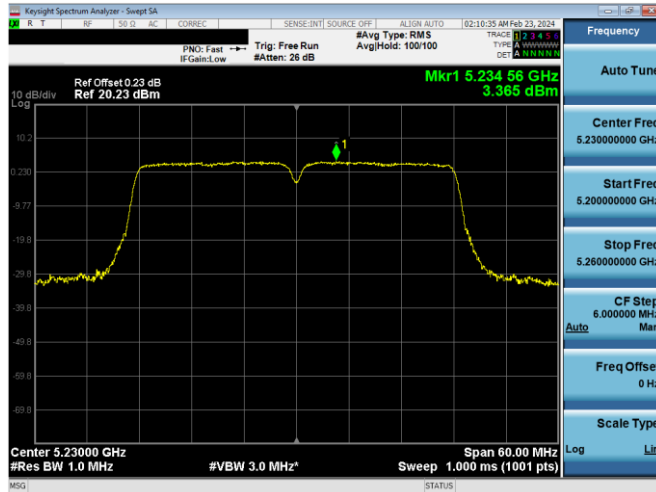


Plot 7-350. ISED PSD Antenna WF5b (160MHz BW 11ac – Ch.50, MCS4)



Plot 7-353. ISED PSD Antenna WF5b (20MHz BW 11ax(SU) – Ch.40, MCS11)

|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 163 of 577                   |



|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 164 of 577                   |

## 7.5.2 Antenna 4a Power Spectral Density Measurements

|          | Frequency [MHz] | Channel No. | 802.11 MODE      | Data Rate [Mbps] | Measured Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|----------|-----------------|-------------|------------------|------------------|----------------------------------|-----------------------------|-------------|
| Band 1   | 5180            | 36          | n (20MHz)        | 19.5/21.7 (MCS2) | 7.32                             | 11.00                       | -3.68       |
|          | 5200            | 40          | n (20MHz)        | 19.5/21.7 (MCS2) | 7.83                             | 11.00                       | -3.17       |
|          | 5240            | 48          | n (20MHz)        | 19.5/21.7 (MCS2) | 7.60                             | 11.00                       | -3.40       |
|          | 5180            | 36          | ax (SU) (20MHz)  | 24/25.8 (MCS2)   | 4.88                             | 11.00                       | -6.12       |
|          | 5200            | 40          | ax (SU) (20MHz)  | 24/25.8 (MCS2)   | 6.55                             | 11.00                       | -4.45       |
|          | 5240            | 48          | ax (SU) (20MHz)  | 24/25.8 (MCS2)   | 6.33                             | 11.00                       | -4.67       |
|          | 5190            | 38          | n (40MHz)        | 40/40.5 (MCS2)   | 1.18                             | 11.00                       | -9.82       |
|          | 5230            | 46          | n (40MHz)        | 40/40.5 (MCS2)   | 5.72                             | 11.00                       | -5.28       |
|          | 5190            | 38          | ax (SU) (40MHz)  | 49/51.6 (MCS2)   | -0.02                            | 11.00                       | -11.02      |
|          | 5230            | 46          | ax (SU) (40MHz)  | 49/51.6 (MCS2)   | 4.27                             | 11.00                       | -6.74       |
|          | 5210            | 42          | ac (80MHz)       | 87.8/97.5 (MCS2) | -2.18                            | 11.00                       | -13.18      |
|          | 5210            | 42          | ax (SU) (80MHz)  | 102/108.1 (MCS2) | -3.20                            | 11.00                       | -14.20      |
| Band 1/2 | 5250            | 50          | ac (160MHz)      | 87.8/97.5 (MCS2) | -6.59                            | 11.00                       | -17.59      |
|          | 5250            | 50          | ax (SU) (160MHz) | 102/108.1 (MCS2) | -7.40                            | 11.00                       | -18.40      |
| Band 2A  | 5260            | 52          | n (20MHz)        | 19.5/21.7 (MCS2) | 7.41                             | 11.00                       | -3.59       |
|          | 5300            | 60          | n (20MHz)        | 19.5/21.7 (MCS2) | 7.65                             | 11.00                       | -3.35       |
|          | 5320            | 64          | n (20MHz)        | 19.5/21.7 (MCS2) | 7.74                             | 11.00                       | -3.27       |
|          | 5260            | 52          | ax (SU) (20MHz)  | 24/25.8 (MCS2)   | 6.07                             | 11.00                       | -4.93       |
|          | 5300            | 60          | ax (SU) (20MHz)  | 24/25.8 (MCS2)   | 6.08                             | 11.00                       | -4.92       |
|          | 5320            | 64          | ax (SU) (20MHz)  | 24/25.8 (MCS2)   | 6.39                             | 11.00                       | -4.62       |
|          | 5270            | 54          | n (40MHz)        | 40/40.5 (MCS2)   | 5.43                             | 11.00                       | -5.57       |
|          | 5310            | 62          | n (40MHz)        | 40/40.5 (MCS2)   | 3.79                             | 11.00                       | -7.21       |
|          | 5270            | 54          | ax (SU) (40MHz)  | 49/51.6 (MCS2)   | 4.13                             | 11.00                       | -6.88       |
|          | 5310            | 62          | ax (SU) (40MHz)  | 49/51.6 (MCS2)   | 1.61                             | 11.00                       | -9.39       |
|          | 5290            | 58          | ac (80MHz)       | 87.8/97.5 (MCS2) | -0.47                            | 11.00                       | -11.47      |
|          | 5290            | 58          | ax (SU) (80MHz)  | 102/108.1 (MCS2) | -1.71                            | 11.00                       | -12.71      |
|          | 5500            | 100         | n (20MHz)        | 19.5/21.7 (MCS2) | 6.89                             | 11.00                       | -4.11       |
|          | 5580            | 116         | n (20MHz)        | 19.5/21.7 (MCS2) | 7.06                             | 11.00                       | -3.94       |
|          | *5600           | 120         | n (20MHz)        | 19.5/21.7 (MCS2) | 6.97                             | 11.00                       | -4.03       |
| Band 2C  | 5700            | 140         | n (20MHz)        | 19.5/21.7 (MCS2) | 8.00                             | 11.00                       | -3.00       |
|          | 5720            | 144         | n (20MHz)        | 19.5/21.7 (MCS2) | 6.27                             | 11.00                       | -4.73       |
|          | 5500            | 100         | ax (SU) (20MHz)  | 24/25.8 (MCS2)   | 4.34                             | 11.00                       | -6.66       |
|          | 5580            | 116         | ax (SU) (20MHz)  | 24/25.8 (MCS2)   | 5.50                             | 11.00                       | -5.50       |
|          | *5600           | 120         | ax (SU) (20MHz)  | 24/25.8 (MCS2)   | 5.59                             | 11.00                       | -5.41       |
|          | 5700            | 140         | ax (SU) (20MHz)  | 24/25.8 (MCS2)   | 5.33                             | 11.00                       | -5.67       |
|          | 5720            | 144         | ax (SU) (20MHz)  | 24/25.8 (MCS2)   | 4.94                             | 11.00                       | -6.06       |
|          | 5510            | 102         | n (40MHz)        | 40/40.5 (MCS2)   | 3.52                             | 11.00                       | -7.48       |
|          | 5550            | 110         | n (40MHz)        | 40/40.5 (MCS2)   | 4.87                             | 11.00                       | -6.13       |
|          | *5590           | 118         | n (40MHz)        | 40/40.5 (MCS2)   | 4.30                             | 11.00                       | -6.70       |
|          | 5670            | 134         | n (40MHz)        | 40/40.5 (MCS2)   | 4.82                             | 11.00                       | -6.18       |
|          | 5710            | 142         | n (40MHz)        | 40/40.5 (MCS2)   | 4.68                             | 11.00                       | -6.32       |
|          | 5510            | 102         | ax (SU) (40MHz)  | 49/51.6 (MCS2)   | 0.54                             | 11.00                       | -10.46      |
|          | 5550            | 110         | ax (SU) (40MHz)  | 49/51.6 (MCS2)   | 3.65                             | 11.00                       | -7.35       |
|          | *5590           | 118         | ax (SU) (40MHz)  | 49/51.6 (MCS2)   | 2.97                             | 11.00                       | -8.03       |
|          | 5670            | 134         | ax (SU) (40MHz)  | 49/51.6 (MCS2)   | 2.43                             | 11.00                       | -8.57       |
|          | 5710            | 142         | ax (SU) (40MHz)  | 49/51.6 (MCS2)   | 2.90                             | 11.00                       | -8.10       |
|          | 5530            | 106         | ac (80MHz)       | 87.8/97.5 (MCS2) | -1.48                            | 11.00                       | -12.48      |
|          | *5610           | 122         | ac (80MHz)       | 87.8/97.5 (MCS2) | 0.99                             | 11.00                       | -10.01      |
|          | 5690            | 138         | ac (80MHz)       | 87.8/97.5 (MCS2) | 0.59                             | 11.00                       | -10.41      |
|          | 5530            | 106         | ax (SU) (80MHz)  | 102/108.1 (MCS2) | -3.19                            | 11.00                       | -14.19      |
|          | *5610           | 122         | ax (SU) (80MHz)  | 102/108.1 (MCS2) | 0.02                             | 11.00                       | -10.98      |
|          | 5690            | 138         | ax (SU) (80MHz)  | 102/108.1 (MCS2) | -0.49                            | 11.00                       | -11.49      |
|          | *5570           | 114         | ac (160MHz)      | 87.8/97.5 (MCS2) | -8.12                            | 11.00                       | -19.12      |
|          | *5570           | 114         | ax (SU) (160MHz) | 102/108.1 (MCS2) | -9.31                            | 11.00                       | -20.31      |

**Table 7-209. Power Spectral Density Measurements Antenna 4a (Low Data Rate)**

\*TDWR channel is not supported for ISSED (denoted by a \* next to the frequency)

|                                         |                                                                                                                                   |                            |                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024                                                                                             | EUT Type:<br>Tablet Device | Page 165 of 577                   |

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|          | Frequency [MHz] | Channel No. | 802.11 MODE      | Data Rate [Mbps] | Measured Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|----------|-----------------|-------------|------------------|------------------|----------------------------------|-----------------------------|-------------|
| Band 1   | 5180            | 36          | n (20MHz)        | 39/43.3 (MCS4)   | 6.29                             | 11.00                       | -4.71       |
|          | 5200            | 40          | n (20MHz)        | 39/43.3 (MCS4)   | 8.04                             | 11.00                       | -2.96       |
|          | 5240            | 48          | n (20MHz)        | 39/43.3 (MCS4)   | 7.59                             | 11.00                       | -3.41       |
|          | 5180            | 36          | ax (SU) (20MHz)  | 49/51.6 (MCS4)   | 4.10                             | 11.00                       | -6.90       |
|          | 5200            | 40          | ax (SU) (20MHz)  | 49/51.6 (MCS4)   | 6.83                             | 11.00                       | -4.17       |
|          | 5240            | 48          | ax (SU) (20MHz)  | 49/51.6 (MCS4)   | 6.46                             | 11.00                       | -4.54       |
|          | 5190            | 38          | n (40MHz)        | 81/90 (MCS4)     | 1.09                             | 11.00                       | -9.91       |
|          | 5230            | 46          | n (40MHz)        | 81/90 (MCS4)     | 5.87                             | 11.00                       | -5.13       |
|          | 5190            | 38          | ax (SU) (40MHz)  | 98/103.2 (MCS4)  | -0.06                            | 11.00                       | -11.06      |
|          | 5230            | 46          | ax (SU) (40MHz)  | 98/103.2 (MCS4)  | 4.44                             | 11.00                       | -6.56       |
|          | 5210            | 42          | ac (80MHz)       | 175.5/195 (MCS4) | -2.53                            | 11.00                       | -13.53      |
|          | 5210            | 42          | ax (SU) (80MHz)  | 204/216.2 (MCS4) | -3.13                            | 11.00                       | -14.13      |
| Band 1/2 | 5250            | 50          | ac (160MHz)      | 175.5/195 (MCS4) | -7.30                            | 11.00                       | -18.30      |
|          | 5250            | 50          | ax (SU) (160MHz) | 204/216.2 (MCS4) | -7.68                            | 11.00                       | -18.68      |
| Band 2A  | 5260            | 52          | n (20MHz)        | 39/43.3 (MCS4)   | 7.62                             | 11.00                       | -3.38       |
|          | 5300            | 60          | n (20MHz)        | 39/43.3 (MCS4)   | 7.70                             | 11.00                       | -3.30       |
|          | 5320            | 64          | n (20MHz)        | 39/43.3 (MCS4)   | 7.21                             | 11.00                       | -3.79       |
|          | 5260            | 52          | ax (SU) (20MHz)  | 49/51.6 (MCS4)   | 6.22                             | 11.00                       | -4.78       |
|          | 5300            | 60          | ax (SU) (20MHz)  | 49/51.6 (MCS4)   | 6.38                             | 11.00                       | -4.62       |
|          | 5320            | 64          | ax (SU) (20MHz)  | 49/51.6 (MCS4)   | 4.96                             | 11.00                       | -6.04       |
|          | 5270            | 54          | n (40MHz)        | 81/90 (MCS4)     | 5.64                             | 11.00                       | -5.36       |
|          | 5310            | 62          | n (40MHz)        | 81/90 (MCS4)     | 2.68                             | 11.00                       | -8.32       |
|          | 5270            | 54          | ax (SU) (40MHz)  | 98/103.2 (MCS4)  | 4.23                             | 11.00                       | -6.77       |
|          | 5310            | 62          | ax (SU) (40MHz)  | 98/103.2 (MCS4)  | 0.81                             | 11.00                       | -10.19      |
|          | 5290            | 58          | ac (80MHz)       | 175.5/195 (MCS4) | -1.39                            | 11.00                       | -12.39      |
|          | 5290            | 58          | ax (SU) (80MHz)  | 204/216.2 (MCS4) | -2.53                            | 11.00                       | -13.53      |
| Band 2C  | 5500            | 100         | n (20MHz)        | 39/43.3 (MCS4)   | 5.42                             | 11.00                       | -5.59       |
|          | 5580            | 116         | n (20MHz)        | 39/43.3 (MCS4)   | 7.05                             | 11.00                       | -3.96       |
|          | *5600           | 120         | n (20MHz)        | 39/43.3 (MCS4)   | 7.13                             | 11.00                       | -3.87       |
|          | 5700            | 140         | n (20MHz)        | 39/43.3 (MCS4)   | 6.86                             | 11.00                       | -4.14       |
|          | 5720            | 144         | n (20MHz)        | 39/43.3 (MCS4)   | 6.53                             | 11.00                       | -4.48       |
|          | 5500            | 100         | ax (SU) (20MHz)  | 49/51.6 (MCS4)   | 3.44                             | 11.00                       | -7.56       |
|          | 5580            | 116         | ax (SU) (20MHz)  | 49/51.6 (MCS4)   | 5.65                             | 11.00                       | -5.35       |
|          | *5600           | 120         | ax (SU) (20MHz)  | 49/51.6 (MCS4)   | 5.60                             | 11.00                       | -5.40       |
|          | 5700            | 140         | ax (SU) (20MHz)  | 49/51.6 (MCS4)   | 4.38                             | 11.00                       | -6.62       |
|          | 5720            | 144         | ax (SU) (20MHz)  | 49/51.6 (MCS4)   | 5.18                             | 11.00                       | -5.82       |
|          | 5510            | 102         | n (40MHz)        | 81/90 (MCS4)     | 1.37                             | 11.00                       | -9.63       |
|          | 5550            | 110         | n (40MHz)        | 81/90 (MCS4)     | 4.77                             | 11.00                       | -6.23       |
|          | *5590           | 118         | n (40MHz)        | 81/90 (MCS4)     | 5.01                             | 11.00                       | -6.00       |
|          | 5670            | 134         | n (40MHz)        | 81/90 (MCS4)     | 5.94                             | 11.00                       | -5.06       |
|          | 5710            | 142         | n (40MHz)        | 81/90 (MCS4)     | 4.96                             | 11.00                       | -6.04       |
|          | 5510            | 102         | ax (SU) (40MHz)  | 98/103.2 (MCS4)  | -0.75                            | 11.00                       | -11.75      |
|          | 5550            | 110         | ax (SU) (40MHz)  | 98/103.2 (MCS4)  | 2.79                             | 11.00                       | -8.21       |
|          | *5590           | 118         | ax (SU) (40MHz)  | 98/103.2 (MCS4)  | 2.75                             | 11.00                       | -8.25       |
|          | 5670            | 134         | ax (SU) (40MHz)  | 98/103.2 (MCS4)  | 2.89                             | 11.00                       | -8.11       |
|          | 5710            | 142         | ax (SU) (40MHz)  | 98/103.2 (MCS4)  | 2.90                             | 11.00                       | -8.10       |
|          | 5530            | 106         | ac (80MHz)       | 175.5/195 (MCS4) | -2.48                            | 11.00                       | -13.48      |
|          | *5610           | 122         | ac (80MHz)       | 175.5/195 (MCS4) | 0.61                             | 11.00                       | -10.39      |
|          | 5690            | 138         | ac (80MHz)       | 175.5/195 (MCS4) | 0.71                             | 11.00                       | -10.30      |
|          | 5530            | 106         | ax (SU) (80MHz)  | 204/216.2 (MCS4) | -4.39                            | 11.00                       | -15.39      |
|          | *5610           | 122         | ax (SU) (80MHz)  | 204/216.2 (MCS4) | -1.39                            | 11.00                       | -12.39      |
|          | 5690            | 138         | ax (SU) (80MHz)  | 204/216.2 (MCS4) | -0.22                            | 11.00                       | -11.22      |
|          | *5570           | 114         | ac (160MHz)      | 175.5/195 (MCS4) | -8.47                            | 11.00                       | -19.47      |
|          | *5570           | 114         | ax (SU) (160MHz) | 204/216.2 (MCS4) | -9.45                            | 11.00                       | -20.45      |

**Table 7-210. Power Spectral Density Measurements Antenna 4a (Mid Data Rate)**

\*TDWR channel is not supported for ISSED (denoted by a \* next to the frequency)

|                                         |                                                                                                                                   |                            |                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024                                                                                             | EUT Type:<br>Tablet Device | Page 166 of 577                   |

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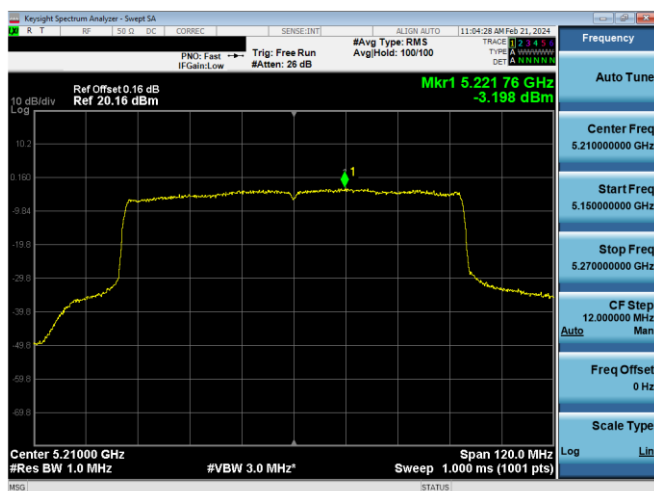
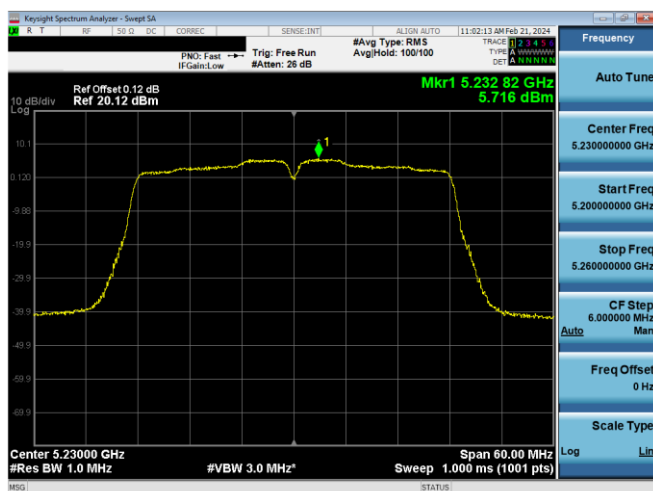
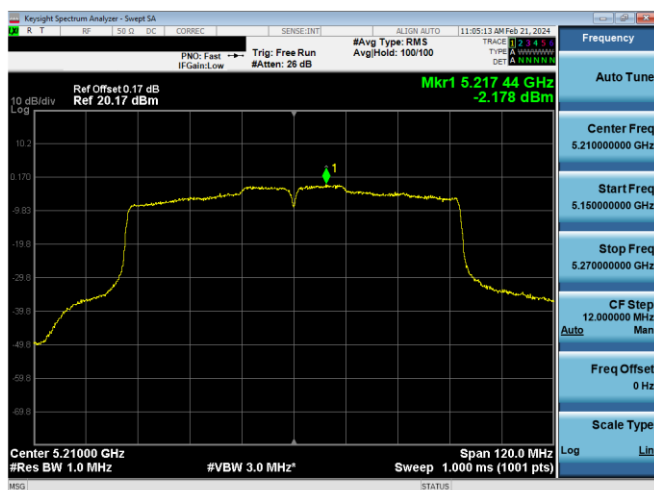
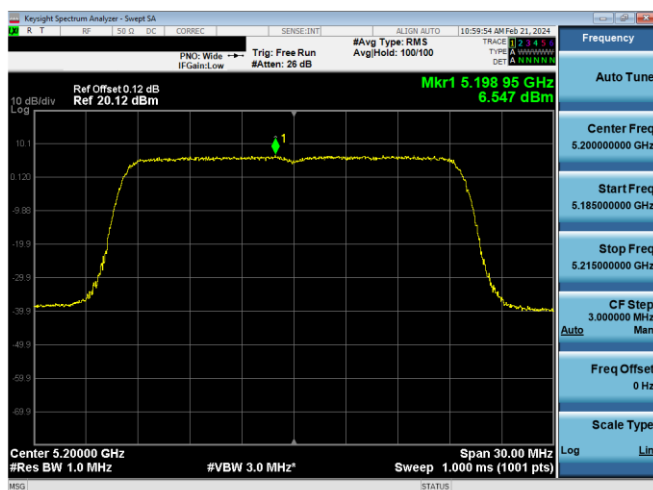
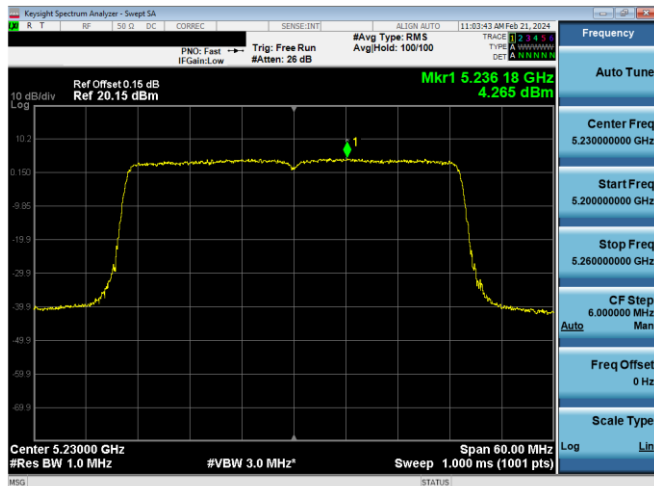
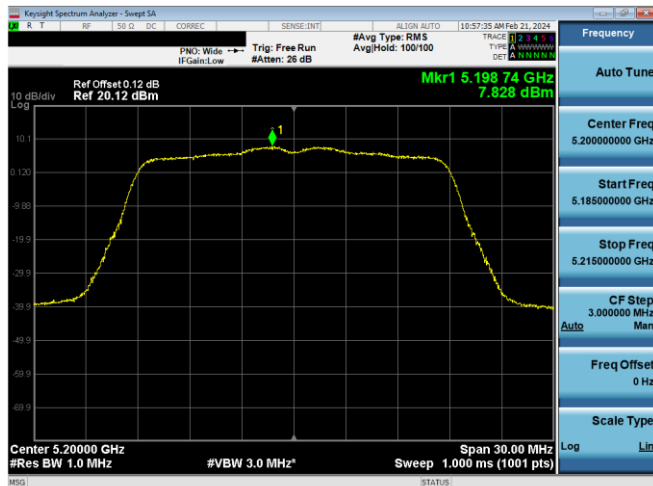
|          | Frequency [MHz] | Channel No. | 802.11 MODE      | Data Rate [Mbps]  | Measured Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|----------|-----------------|-------------|------------------|-------------------|----------------------------------|-----------------------------|-------------|
| Band 1   | 5180            | 36          | n (20MHz)        | 65/72.2 (MCS7)    | 4.33                             | 11.00                       | -6.68       |
|          | 5200            | 40          | n (20MHz)        | 65/72.2 (MCS7)    | 6.87                             | 11.00                       | -4.13       |
|          | 5240            | 48          | n (20MHz)        | 65/72.2 (MCS7)    | 6.37                             | 11.00                       | -4.63       |
|          | 5180            | 36          | ax (SU) (20MHz)  | 135/143.4 (MCS11) | 3.68                             | 11.00                       | -7.32       |
|          | 5200            | 40          | ax (SU) (20MHz)  | 135/143.4 (MCS11) | 6.75                             | 11.00                       | -4.26       |
|          | 5240            | 48          | ax (SU) (20MHz)  | 135/143.4 (MCS11) | 6.23                             | 11.00                       | -4.77       |
|          | 5190            | 38          | n (40MHz)        | 135/150 (MCS7)    | -0.23                            | 11.00                       | -11.23      |
|          | 5230            | 46          | n (40MHz)        | 135/150 (MCS7)    | 4.53                             | 11.00                       | -6.47       |
|          | 5190            | 38          | ax (SU) (40MHz)  | 271/286 (MCS11)   | -0.94                            | 11.00                       | -11.94      |
|          | 5230            | 46          | ax (SU) (40MHz)  | 271/286 (MCS11)   | 4.43                             | 11.00                       | -6.57       |
|          | 5210            | 42          | ac (80MHz)       | 390/433.3 (MCS9)  | -4.01                            | 11.00                       | -15.01      |
|          | 5210            | 42          | ax (SU) (80MHz)  | 567/600.5 (MCS11) | -4.95                            | 11.00                       | -15.95      |
| Band 1/2 | 5250            | 50          | ac (160MHz)      | 390/433.3 (MCS9)  | -8.98                            | 11.00                       | -19.98      |
|          | 5250            | 50          | ax (SU) (160MHz) | 567/600.5 (MCS11) | -8.08                            | 11.00                       | -19.08      |
| Band 2A  | 5260            | 52          | n (20MHz)        | 65/72.2 (MCS7)    | 6.41                             | 11.00                       | -4.60       |
|          | 5300            | 60          | n (20MHz)        | 65/72.2 (MCS7)    | 6.45                             | 11.00                       | -4.55       |
|          | 5320            | 64          | n (20MHz)        | 65/72.2 (MCS7)    | 4.65                             | 11.00                       | -6.35       |
|          | 5260            | 52          | ax (SU) (20MHz)  | 135/143.4 (MCS11) | 6.21                             | 11.00                       | -4.80       |
|          | 5300            | 60          | ax (SU) (20MHz)  | 135/143.4 (MCS11) | 6.32                             | 11.00                       | -4.68       |
|          | 5320            | 64          | ax (SU) (20MHz)  | 135/143.4 (MCS11) | 4.26                             | 11.00                       | -6.74       |
|          | 5270            | 54          | n (40MHz)        | 135/150 (MCS7)    | 4.28                             | 11.00                       | -6.72       |
|          | 5310            | 62          | n (40MHz)        | 135/150 (MCS7)    | -0.18                            | 11.00                       | -11.18      |
|          | 5270            | 54          | ax (SU) (40MHz)  | 271/286 (MCS11)   | 4.18                             | 11.00                       | -6.82       |
|          | 5310            | 62          | ax (SU) (40MHz)  | 271/286 (MCS11)   | -0.85                            | 11.00                       | -11.85      |
|          | 5290            | 58          | ac (80MHz)       | 390/433.3 (MCS9)  | -3.49                            | 11.00                       | -14.49      |
|          | 5290            | 58          | ax (SU) (80MHz)  | 567/600.5 (MCS11) | -3.42                            | 11.00                       | -14.42      |
| Band 2C  | 5500            | 100         | n (20MHz)        | 65/72.2 (MCS7)    | 2.55                             | 11.00                       | -8.45       |
|          | 5580            | 116         | n (20MHz)        | 65/72.2 (MCS7)    | 5.86                             | 11.00                       | -5.14       |
|          | *5600           | 120         | n (20MHz)        | 65/72.2 (MCS7)    | 5.74                             | 11.00                       | -5.27       |
|          | 5700            | 140         | n (20MHz)        | 65/72.2 (MCS7)    | 3.49                             | 11.00                       | -7.51       |
|          | 5720            | 144         | n (20MHz)        | 65/72.2 (MCS7)    | 5.13                             | 11.00                       | -5.88       |
|          | 5500            | 100         | ax (SU) (20MHz)  | 135/143.4 (MCS11) | 2.16                             | 11.00                       | -8.84       |
|          | 5580            | 116         | ax (SU) (20MHz)  | 135/143.4 (MCS11) | 5.58                             | 11.00                       | -5.42       |
|          | *5600           | 120         | ax (SU) (20MHz)  | 135/143.4 (MCS11) | 5.58                             | 11.00                       | -5.42       |
|          | 5700            | 140         | ax (SU) (20MHz)  | 135/143.4 (MCS11) | 3.25                             | 11.00                       | -7.75       |
|          | 5720            | 144         | ax (SU) (20MHz)  | 135/143.4 (MCS11) | 5.04                             | 11.00                       | -5.96       |
|          | 5510            | 102         | n (40MHz)        | 135/150 (MCS7)    | -2.30                            | 11.00                       | -13.30      |
|          | 5550            | 110         | n (40MHz)        | 135/150 (MCS7)    | 1.94                             | 11.00                       | -9.06       |
|          | *5590           | 118         | n (40MHz)        | 135/150 (MCS7)    | 3.15                             | 11.00                       | -7.85       |
|          | 5670            | 134         | n (40MHz)        | 135/150 (MCS7)    | 1.69                             | 11.00                       | -9.31       |
|          | 5710            | 142         | n (40MHz)        | 135/150 (MCS7)    | 2.81                             | 11.00                       | -8.19       |
|          | 5510            | 102         | ax (SU) (40MHz)  | 271/286 (MCS11)   | -2.32                            | 11.00                       | -13.32      |
|          | 5550            | 110         | ax (SU) (40MHz)  | 271/286 (MCS11)   | 2.13                             | 11.00                       | -8.87       |
|          | *5590           | 118         | ax (SU) (40MHz)  | 271/286 (MCS11)   | 3.08                             | 11.00                       | -7.92       |
|          | 5670            | 134         | ax (SU) (40MHz)  | 271/286 (MCS11)   | -0.45                            | 11.00                       | -11.45      |
|          | 5710            | 142         | ax (SU) (40MHz)  | 271/286 (MCS11)   | 2.95                             | 11.00                       | -8.05       |
|          | 5530            | 106         | ac (80MHz)       | 390/433.3 (MCS9)  | -5.48                            | 11.00                       | -16.48      |
|          | *5610           | 122         | ac (80MHz)       | 390/433.3 (MCS9)  | -0.28                            | 11.00                       | -11.28      |
|          | 5690            | 138         | ac (80MHz)       | 390/433.3 (MCS9)  | -0.39                            | 11.00                       | -11.39      |
|          | 5530            | 106         | ax (SU) (80MHz)  | 567/600.5 (MCS11) | -5.68                            | 11.00                       | -16.68      |
|          | *5610           | 122         | ax (SU) (80MHz)  | 567/600.5 (MCS11) | -2.31                            | 11.00                       | -13.31      |
|          | 5690            | 138         | ax (SU) (80MHz)  | 567/600.5 (MCS11) | -0.19                            | 11.00                       | -11.19      |
|          | *5570           | 114         | ac (160MHz)      | 390/433.3 (MCS9)  | -10.53                           | 11.00                       | -21.53      |
|          | *5570           | 114         | ax (SU) (160MHz) | 567/600.5 (MCS11) | -10.89                           | 11.00                       | -21.89      |

**Table 7-211. Power Spectral Density Measurements Antenna 4a (High Data Rate)**

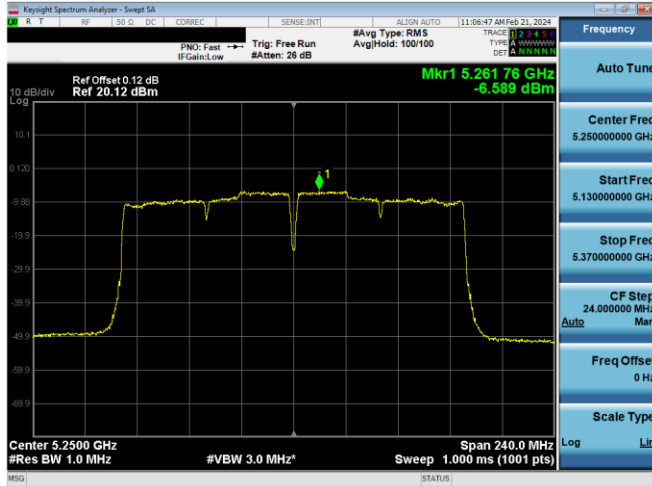
\*TDWR channel is not supported for ISSED (denoted by a \* next to the frequency)

|                                         |                                                                                                                                   |                            |                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024                                                                                             | EUT Type:<br>Tablet Device | Page 167 of 577                   |

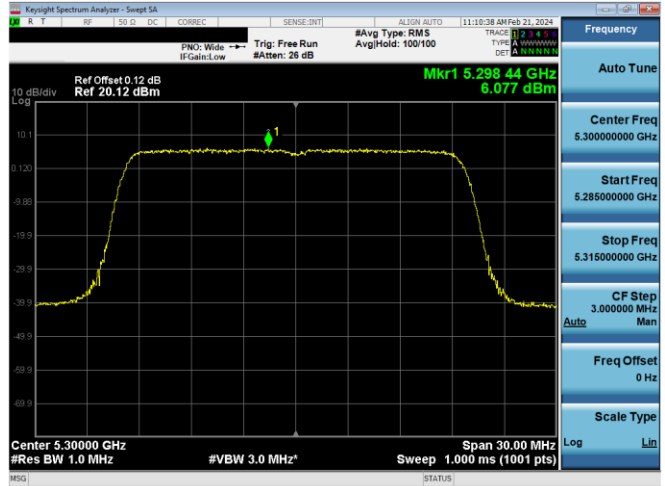
V 10.5 12/15/2021



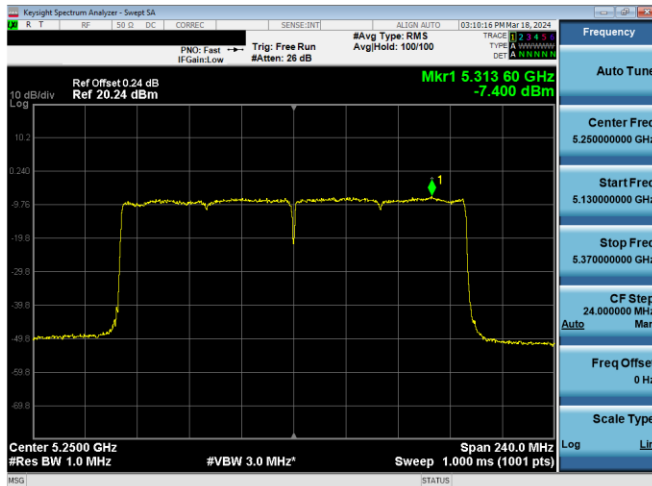
|                                         |                                                                                     |                                       |                                   |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024                                               | EUT Type:<br>Tablet Device            | Page 168 of 577                   |



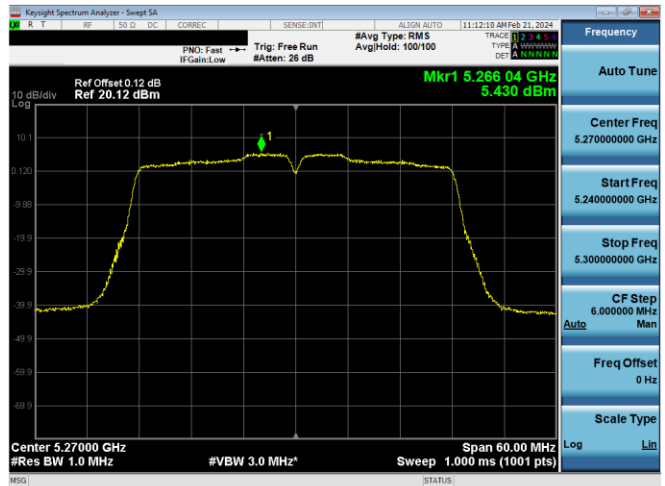
Plot 7-366. PSD Antenna 4a (160MHz BW 802.11ac – Ch. 50, MCS2)



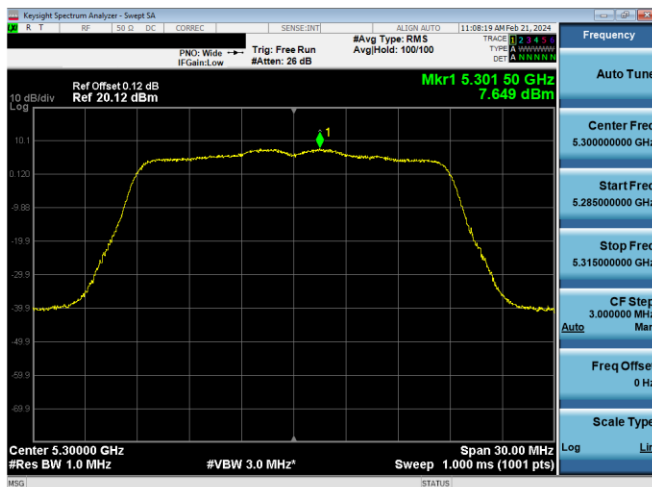
Plot 7-369. PSD Antenna 4a (20MHz BW 802.11ax(SU) – Ch. 60, MCS2)



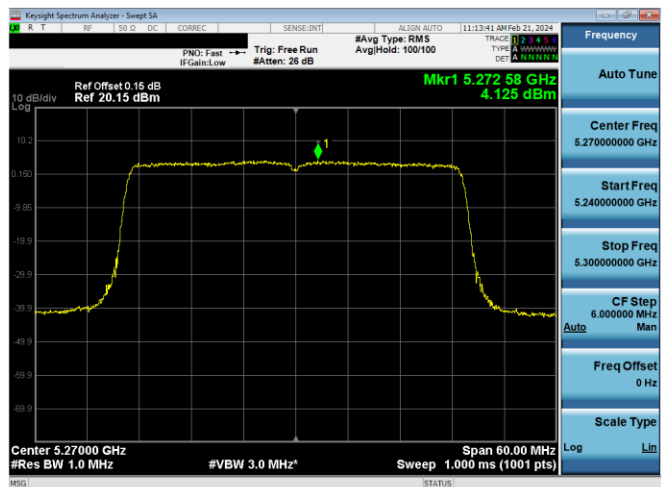
Plot 7-367. PSD Antenna 4a (160MHz BW 802.11ax(SU) – Ch. 50, MCS2)



Plot 7-370. PSD Antenna 4a (40MHz BW 802.11n – Ch. 54, MCS2)

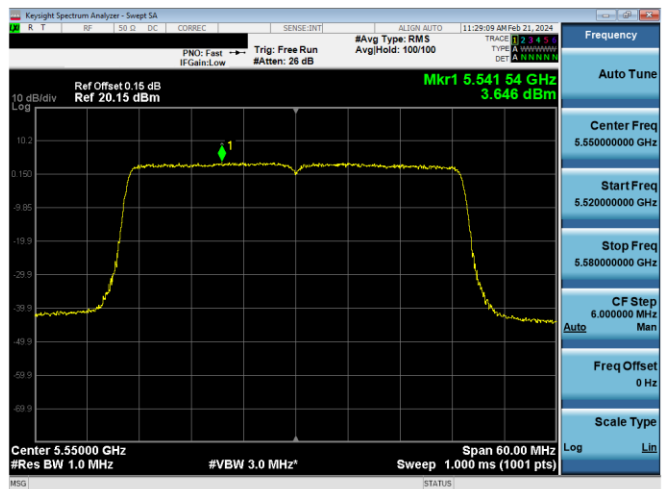
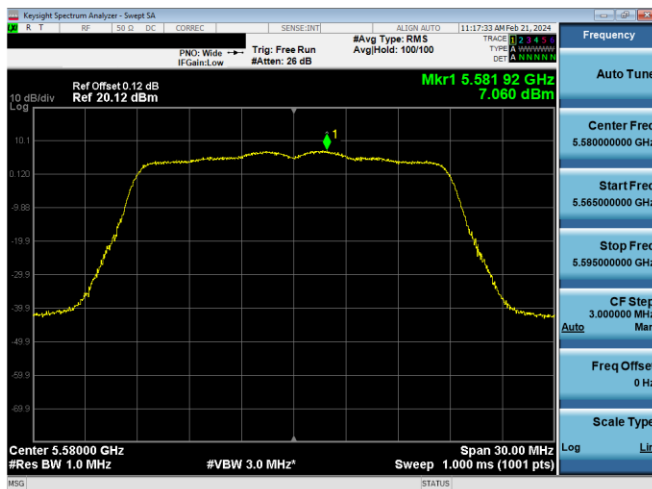
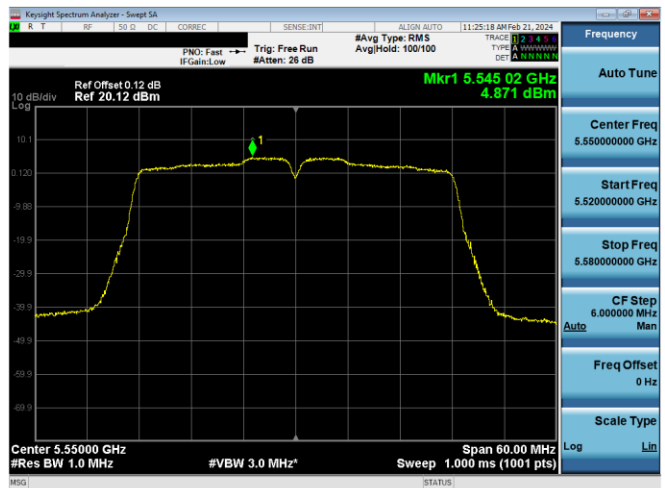
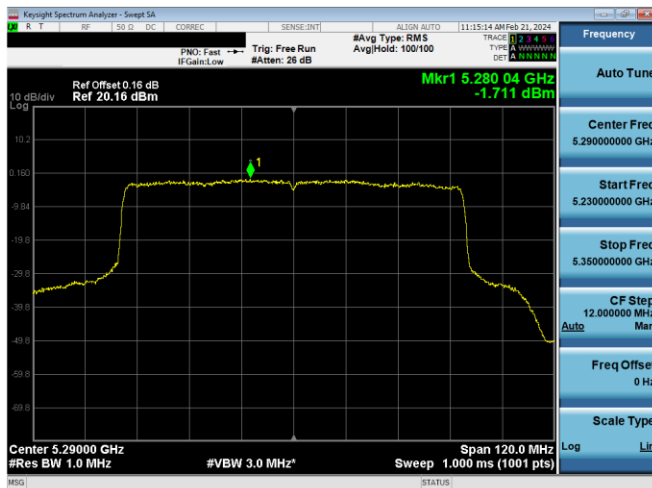
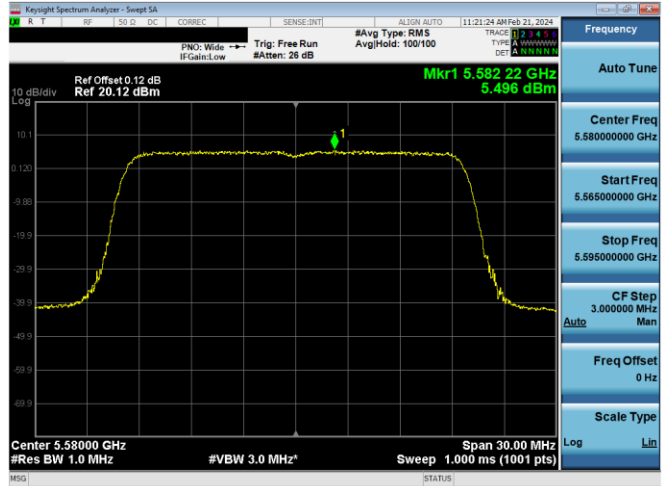
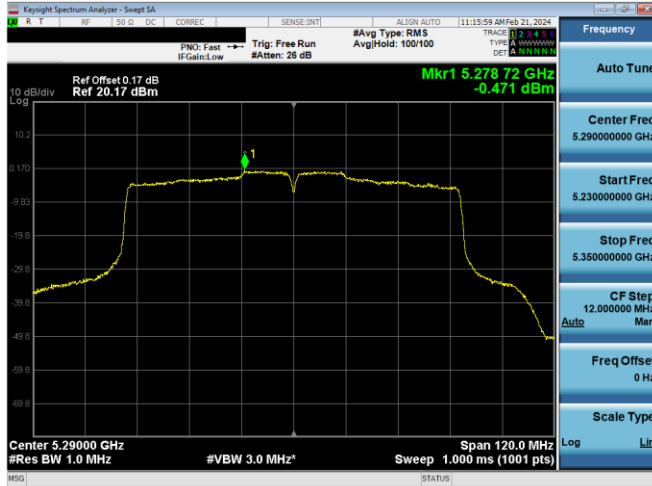


Plot 7-368. PSD Antenna 4a (20MHz BW 802.11n – Ch. 60, MCS2)

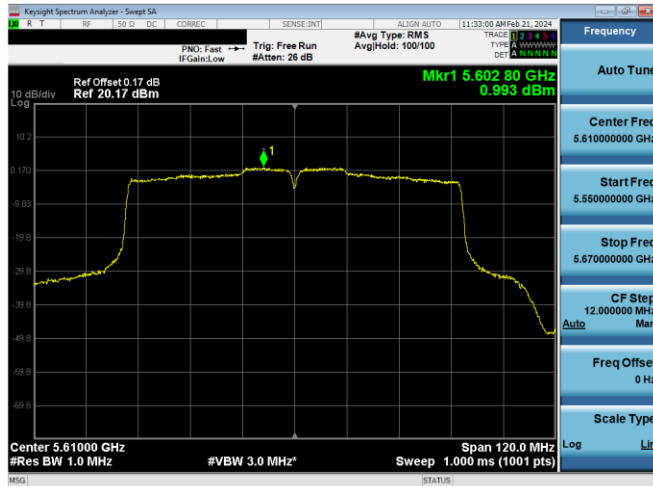


Plot 7-371. PSD Antenna 4a (40MHz BW 802.11ax(SU) – Ch. 54, MCS2)

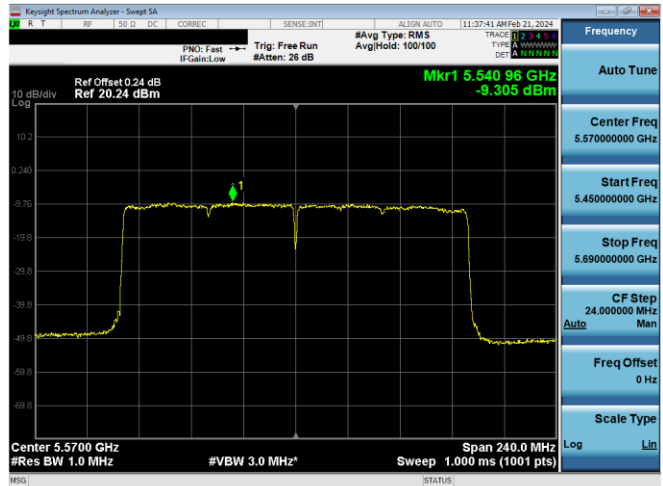
|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 169 of 577                   |



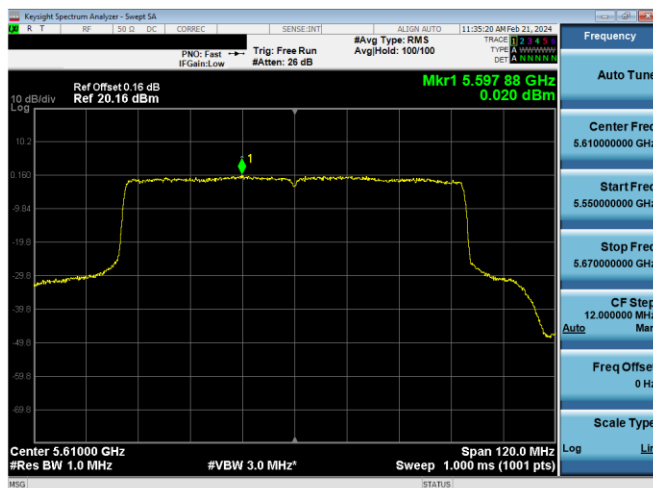
|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 170 of 577                   |



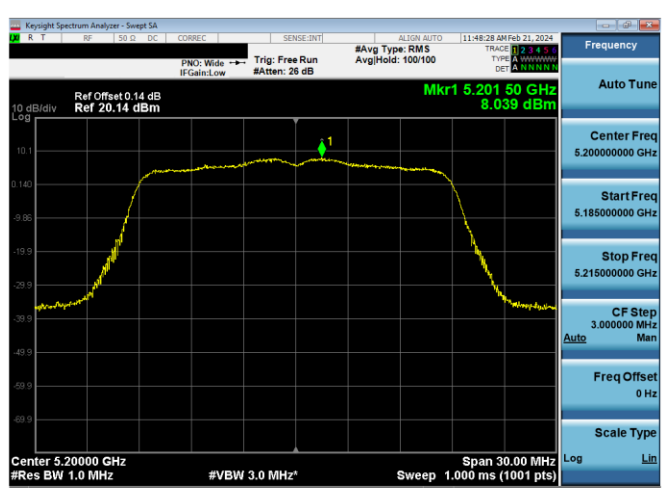
Plot 7-378. PSD Antenna 4a (80MHz BW 802.11ac – Ch. 122, MCS2)



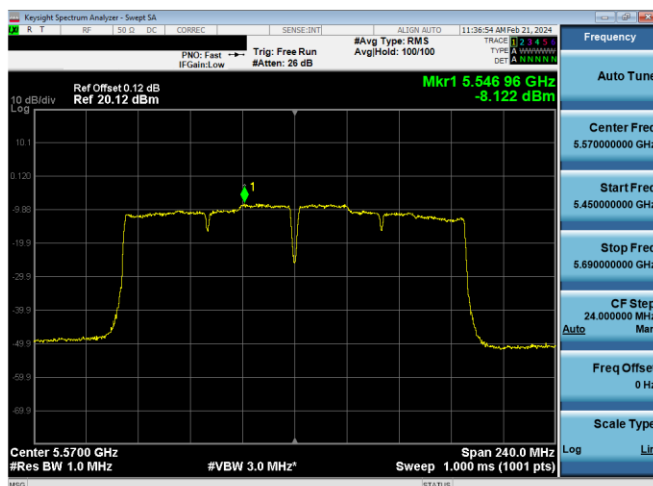
Plot 7-381. PSD Antenna 4a (160MHz BW 802.11ax(SU) – Ch. 114, MCS2)



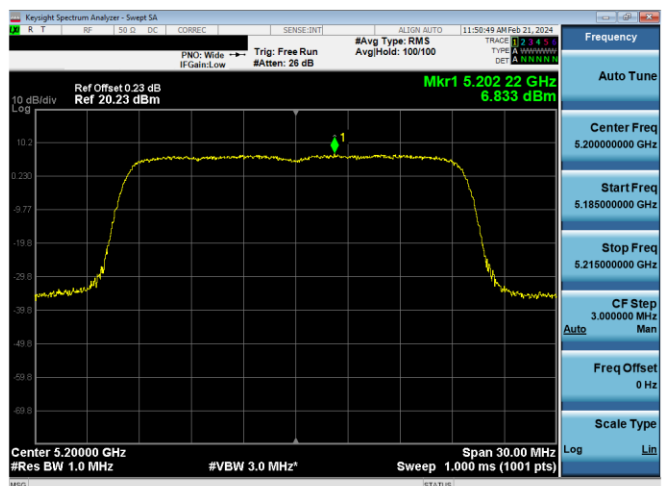
Plot 7-379. PSD Antenna 4a (80MHz BW 802.11ax(SU) – Ch. 122, MCS2)



Plot 7-382. PSD Antenna 4a (20MHz BW 802.11n – Ch. 40, MCS4)

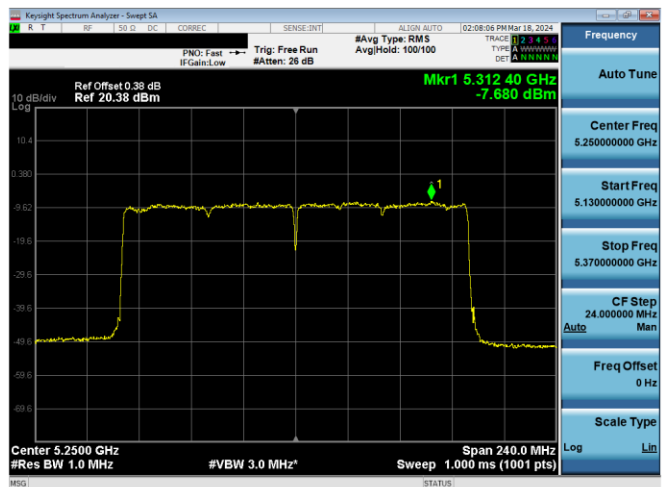
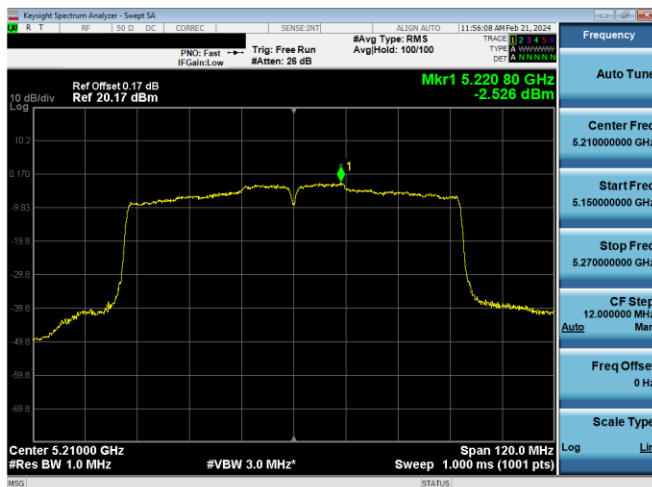
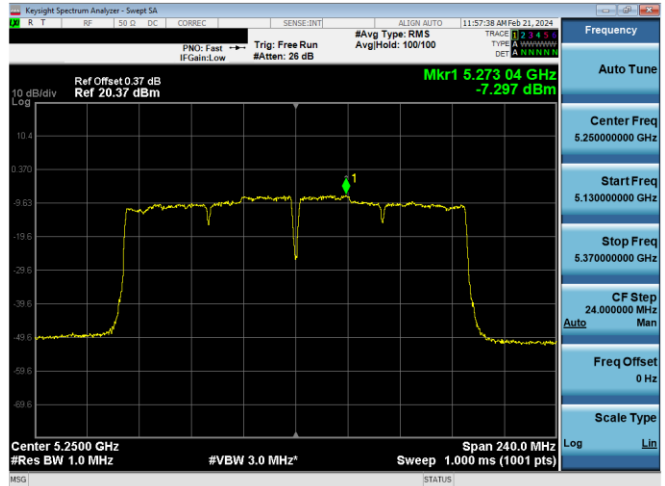
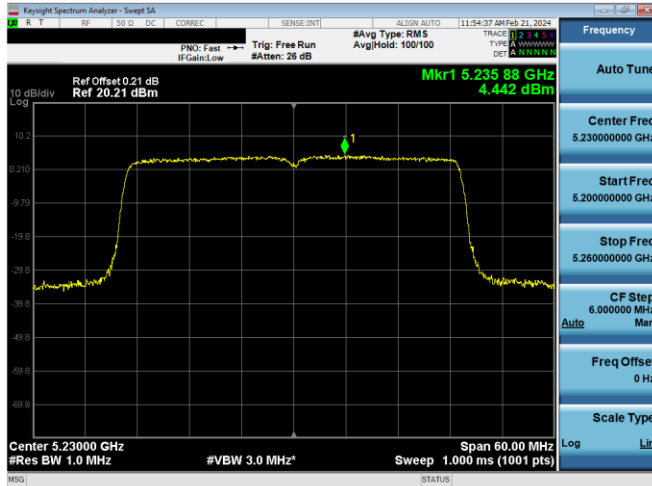
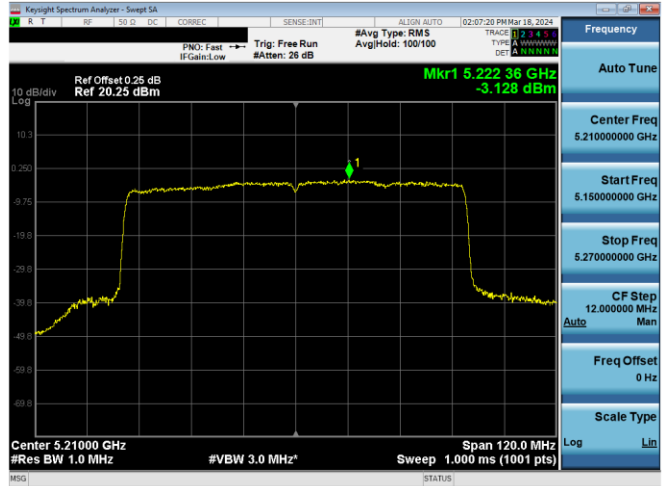
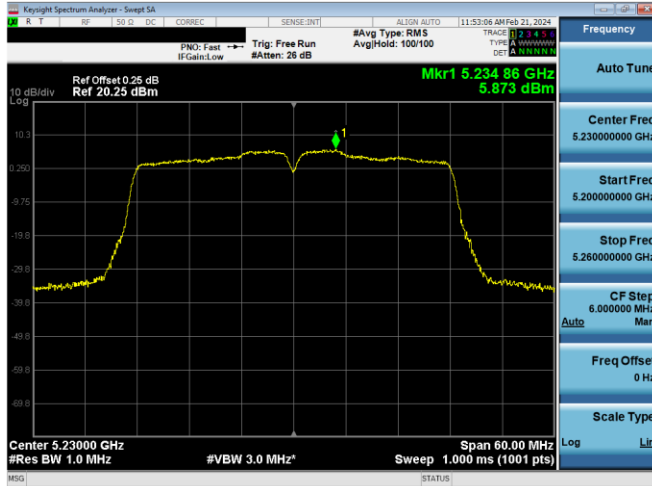


Plot 7-380. PSD Antenna 4a (160MHz BW 802.11ac – Ch. 114, MCS2)

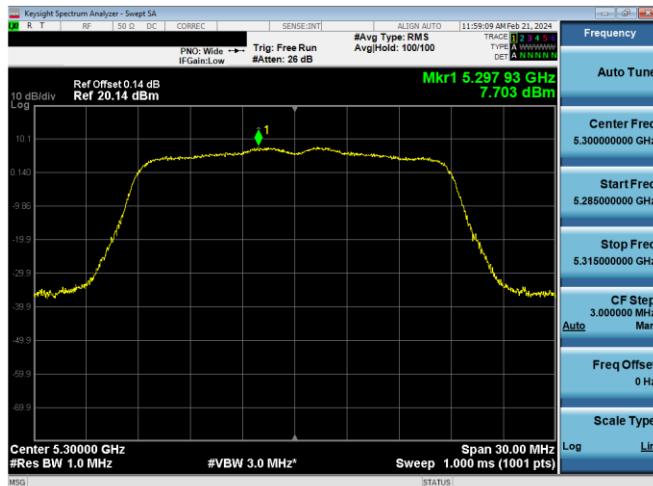


Plot 7-383. PSD Antenna 4a (20MHz BW 802.11ax(SU) – Ch. 40, MCS4)

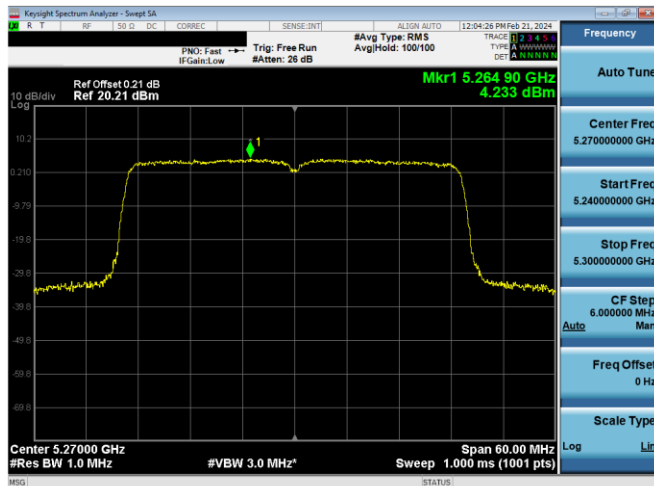
|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 171 of 577                   |



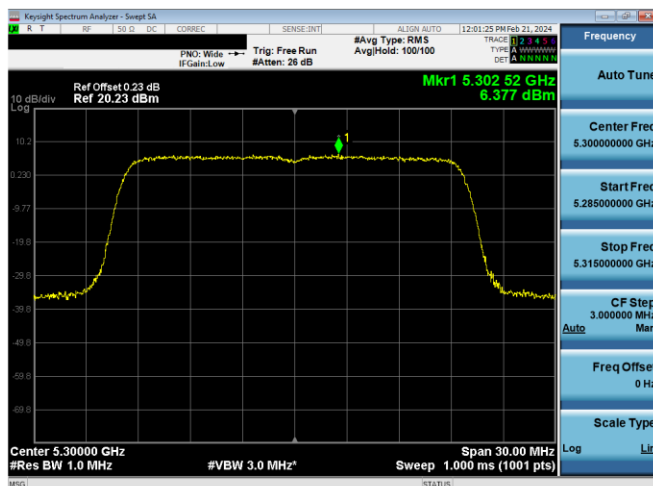
|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 172 of 577                   |



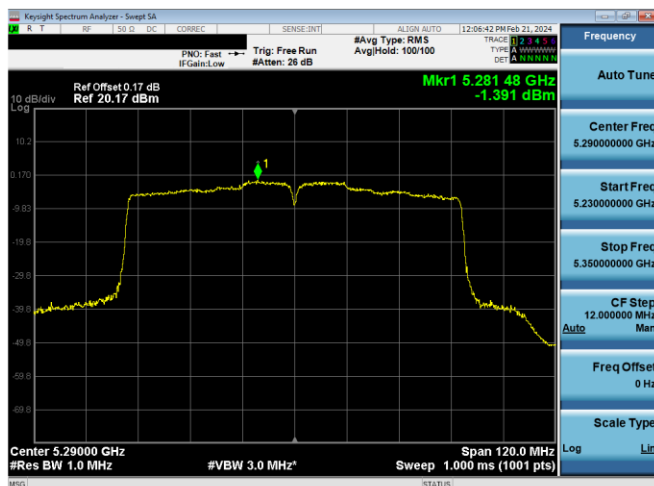
Plot 7-390. PSD Antenna 4a (20MHz BW 802.11n – Ch. 60, MCS4)



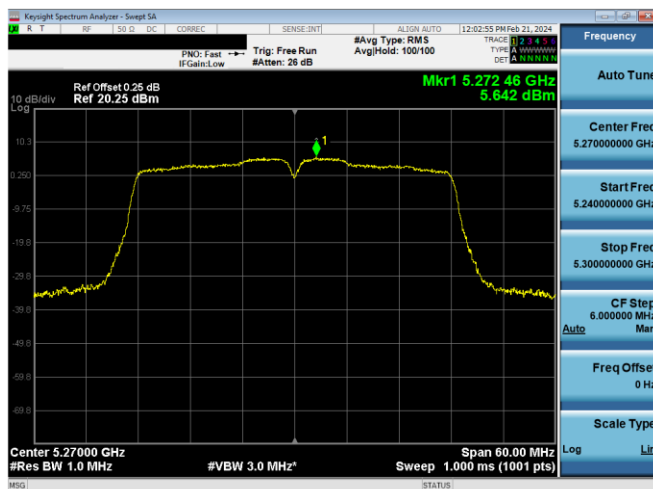
Plot 7-393. PSD Antenna 4a (40MHz BW 802.11ax(SU) – Ch. 54, MCS4)



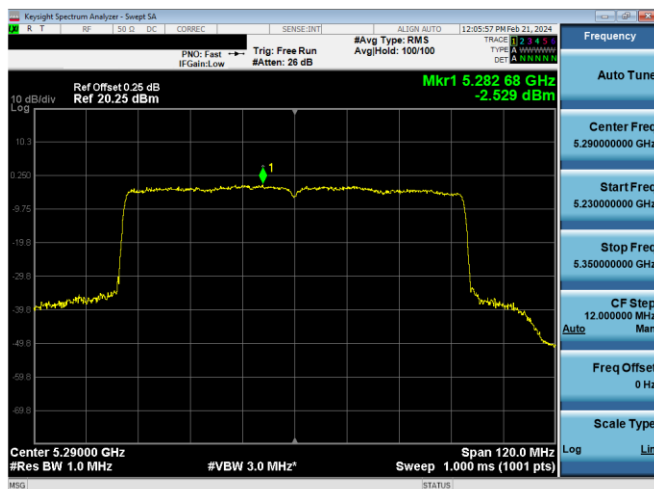
Plot 7-391. PSD Antenna 4a (20MHz BW 802.11ax(SU) – Ch. 60, MCS4)



Plot 7-394. PSD Antenna 4a (80MHz BW 802.11ac – Ch. 58, MCS4)

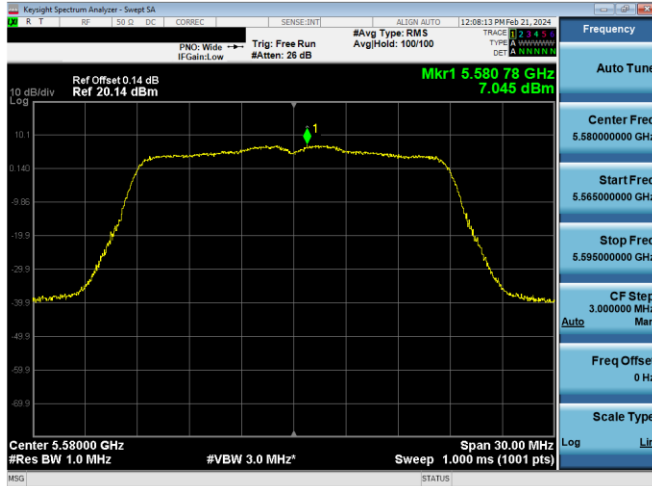


Plot 7-392. PSD Antenna 4a (40MHz BW 802.11n – Ch. 54, MCS4)

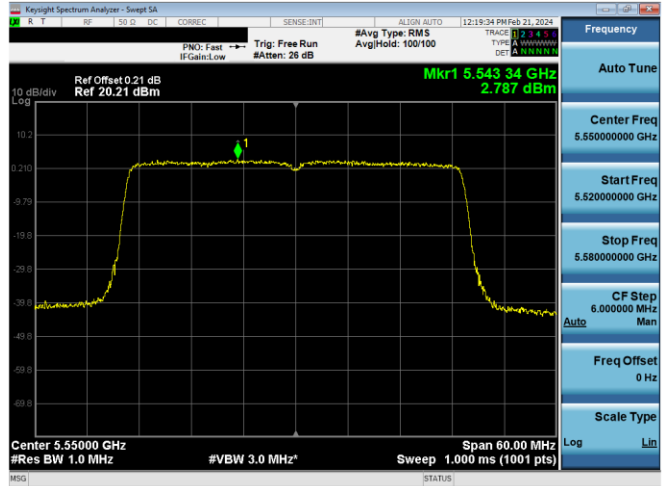


Plot 7-395. PSD Antenna 4a (80MHz BW 802.11ax(SU) – Ch. 58, MCS4)

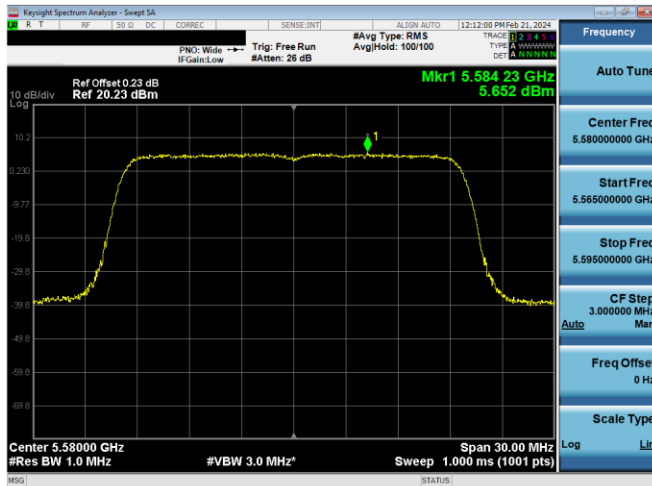
|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 173 of 577                   |



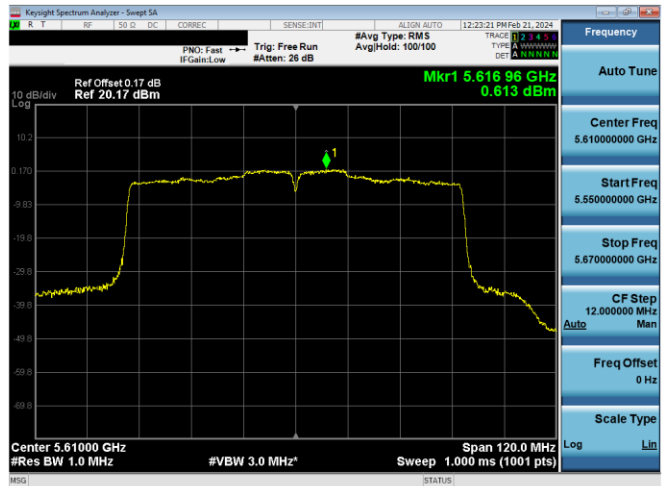
Plot 7-396. PSD Antenna 4a (20MHz BW 802.11n – Ch. 116, MCS4)



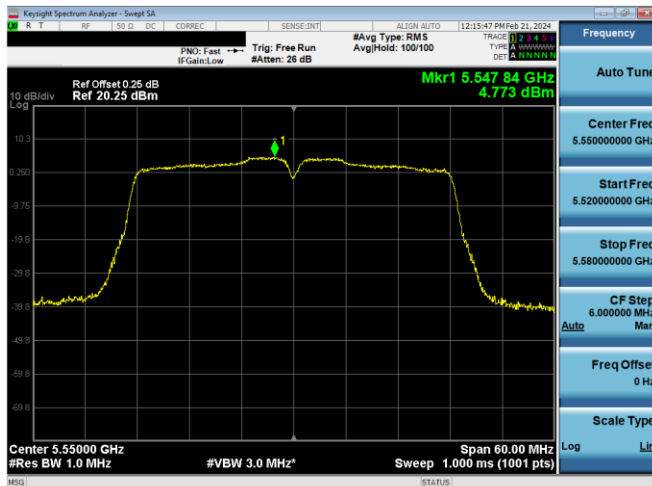
Plot 7-399. PSD Antenna 4a (40MHz BW 802.11ax(SU) – Ch. 110, MCS4)



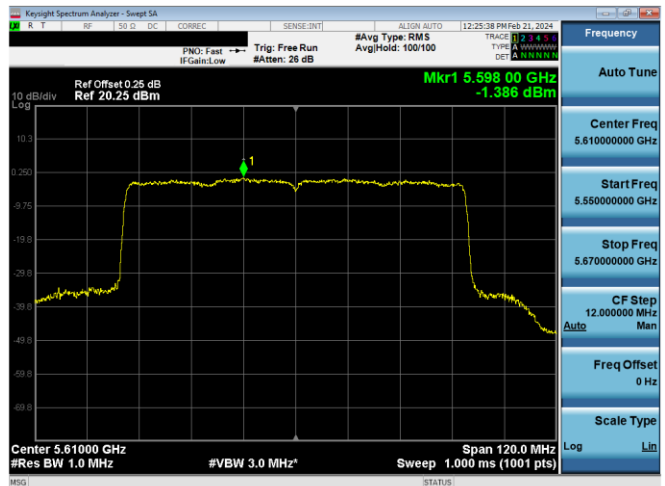
Plot 7-397. PSD Antenna 4a (20MHz BW 802.11ax(SU) – Ch. 116, MCS4)



Plot 7-400. PSD Antenna 4a (80MHz BW 802.11ac – Ch. 122, MCS4)

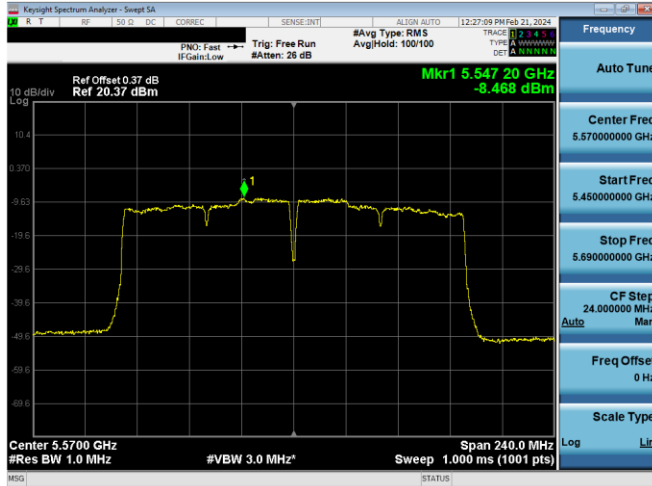


Plot 7-398. PSD Antenna 4a (40MHz BW 802.11n – Ch. 110, MCS4)

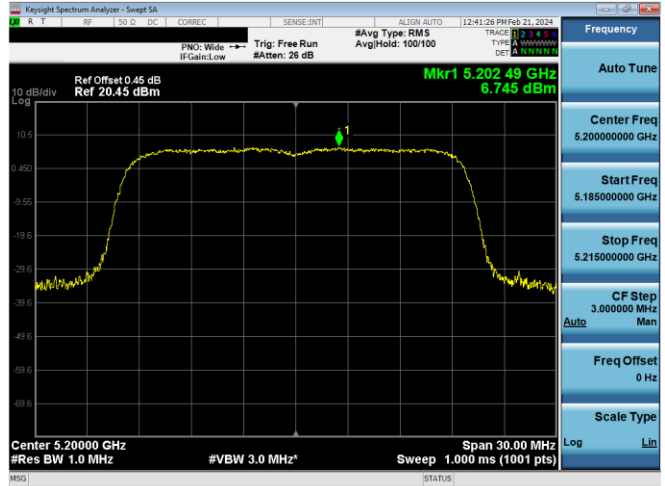


Plot 7-401. PSD Antenna 4a (80MHz BW 802.11ax(SU) – Ch. 122, MCS4)

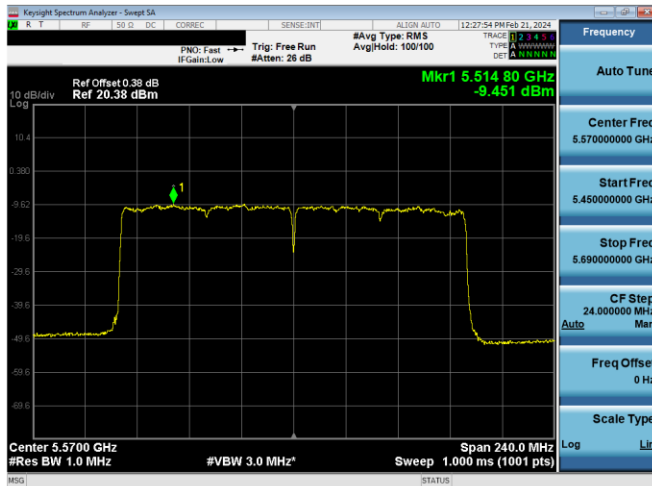
|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 174 of 577                   |



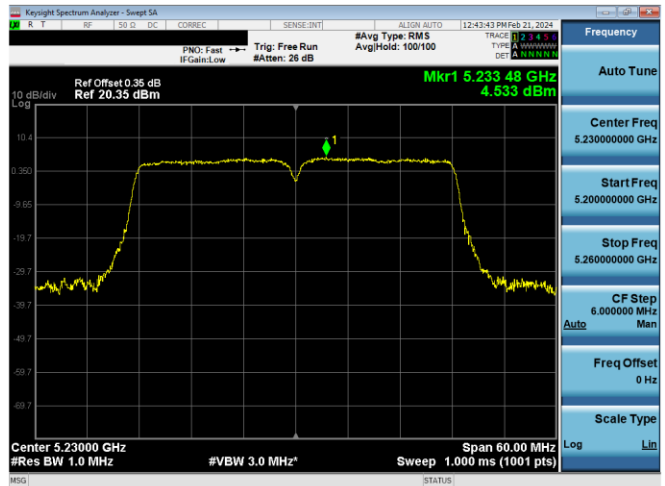
Plot 7-402. PSD Antenna 4a (160MHz BW 802.11ac – Ch. 114, MCS4)



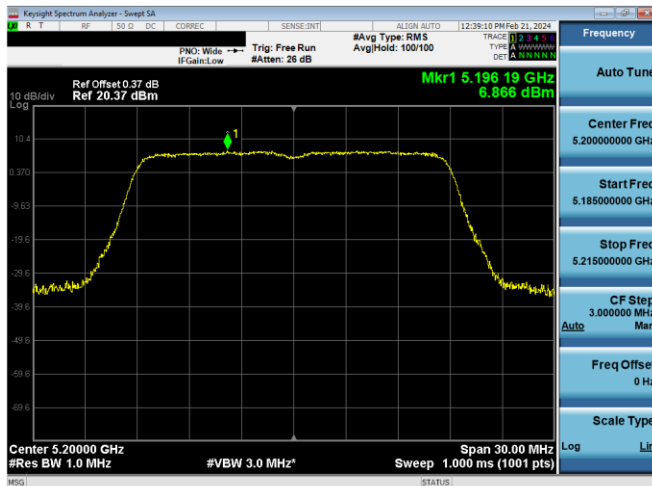
Plot 7-405. PSD Antenna 4a (20MHz BW 802.11ax(SU) – Ch. 40, MCS11)



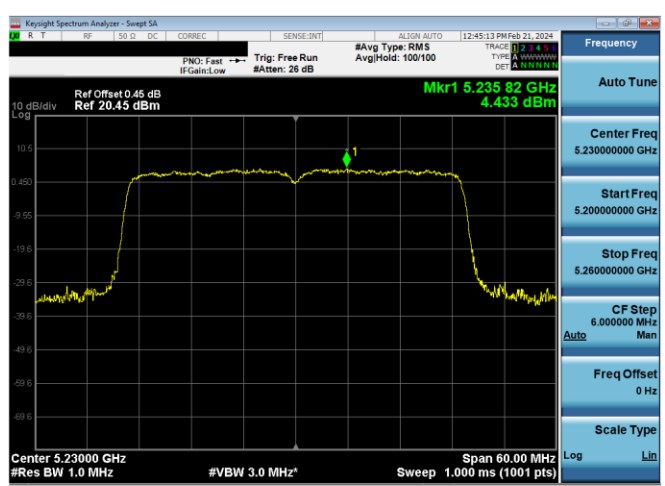
Plot 7-403. PSD Antenna 4a (160MHz BW 802.11ax(SU) – Ch. 114, MCS4)



Plot 7-406. PSD Antenna 4a (40MHz BW 802.11n – Ch. 46, MCS7)

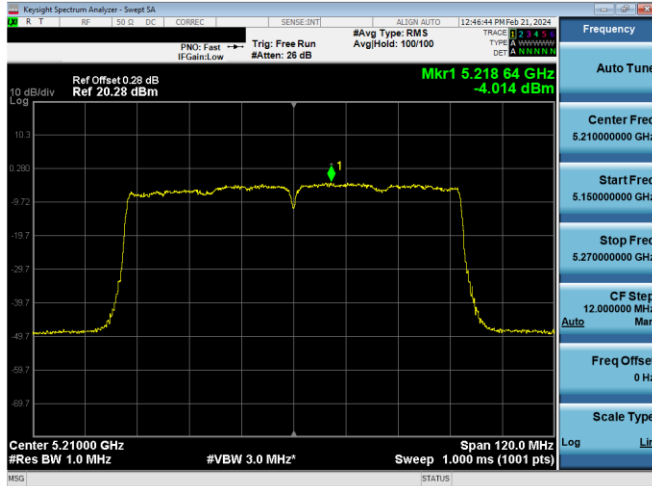


Plot 7-404. PSD Antenna 4a (20MHz BW 802.11n – Ch. 40, MCS7)

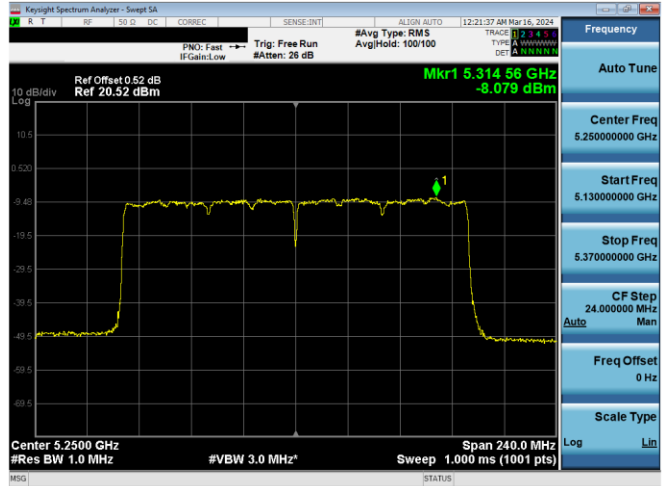


Plot 7-407. PSD Antenna 4a (40MHz BW 802.11ax(SU) – Ch. 46, MCS11)

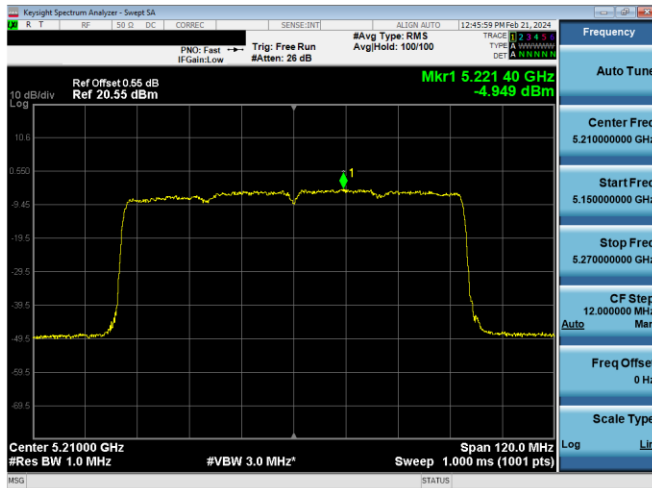
|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 175 of 577                   |



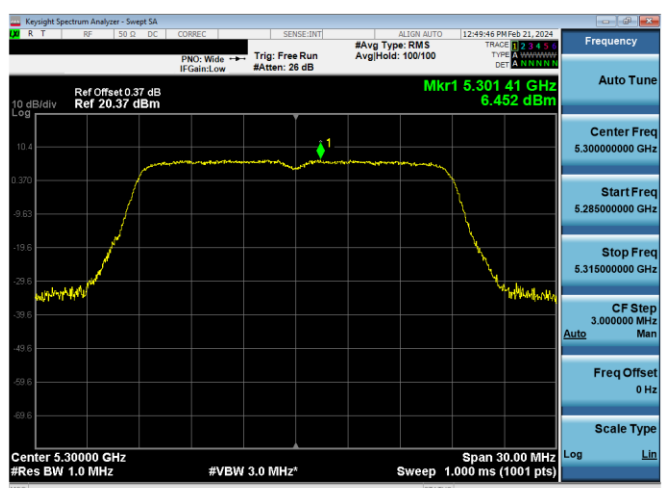
Plot 7-408. PSD Antenna 4a (80MHz BW 802.11ac – Ch. 42, MCS9)



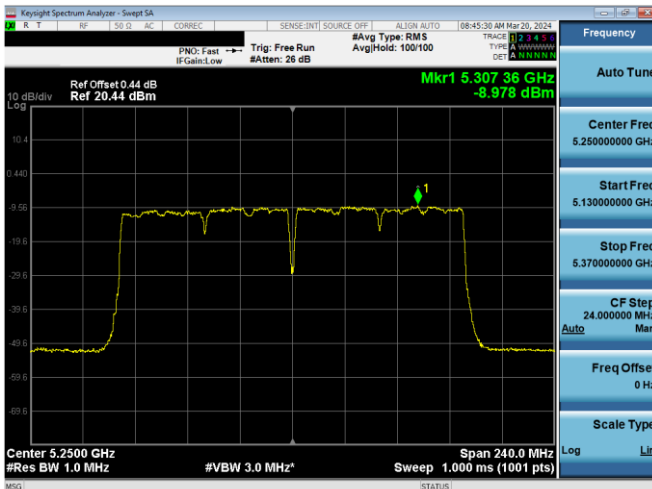
Plot 7-411. PSD Antenna 4a (160MHz BW 802.11ax(SU) – Ch. 50, MCS11)



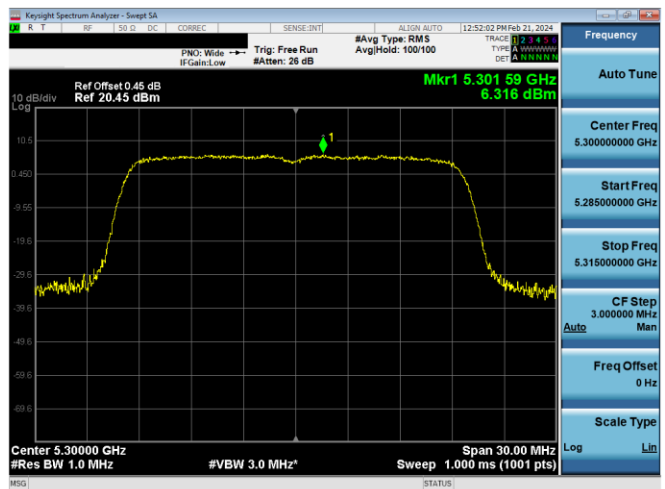
Plot 7-409. PSD Antenna 4a (80MHz BW 802.11ax(SU) – Ch. 42, MCS11)



Plot 7-412. PSD Antenna 4a (20MHz BW 802.11n – Ch. 60, MCS7)

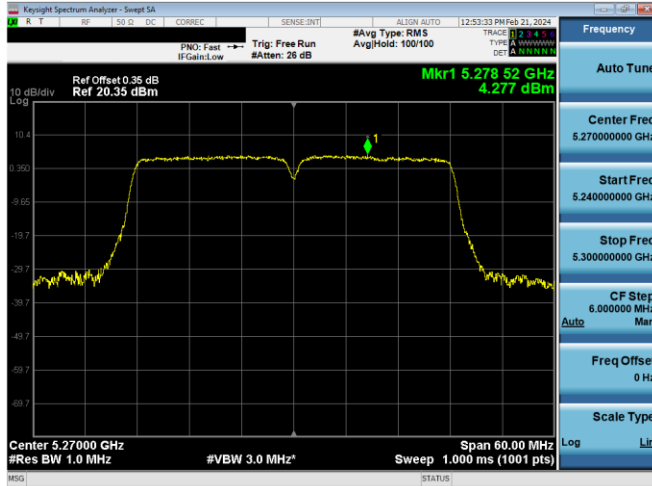


Plot 7-410. PSD Antenna 4a (160MHz BW 802.11ac – Ch. 50, MCS9)

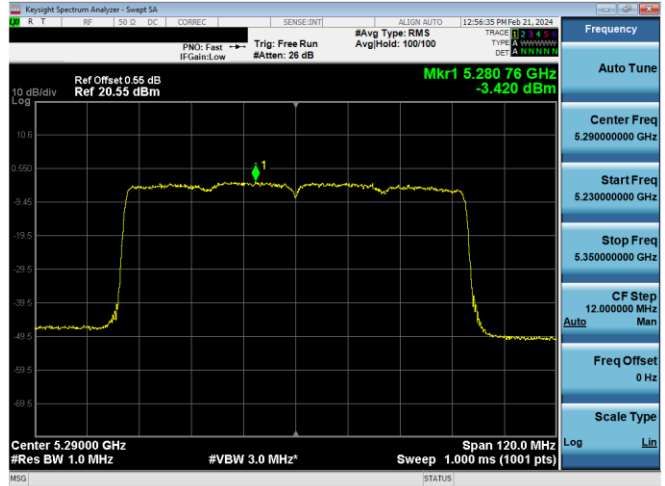


Plot 7-413. PSD Antenna 4a (20MHz BW 802.11ax(SU) – Ch. 60, MCS11)

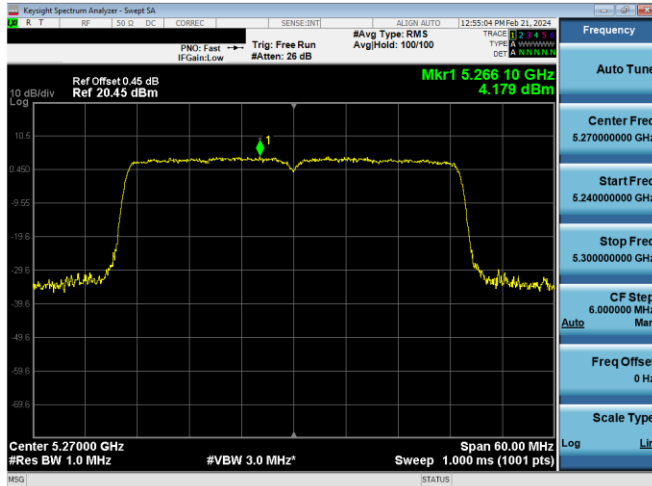
|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 176 of 577                   |



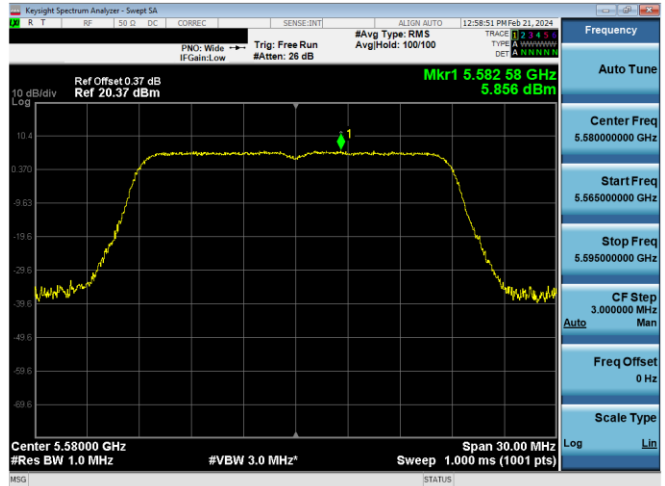
Plot 7-414. PSD Antenna 4a (40MHz BW 802.11n – Ch. 54, MCS7)



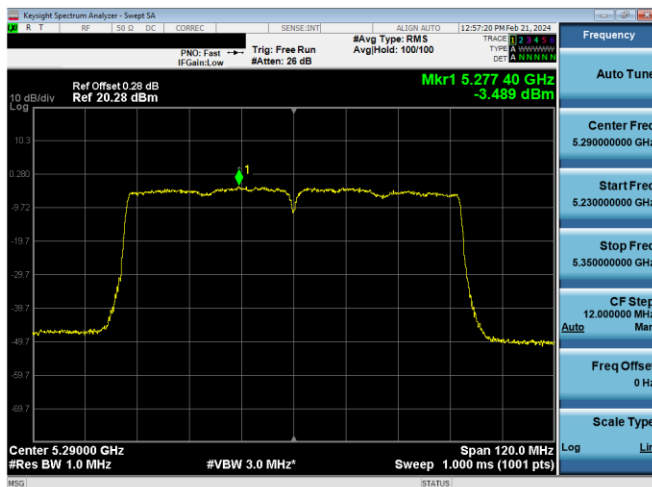
Plot 7-417. PSD Antenna 4a (80MHz BW 802.11ax(SU) – Ch. 58, MCS11)



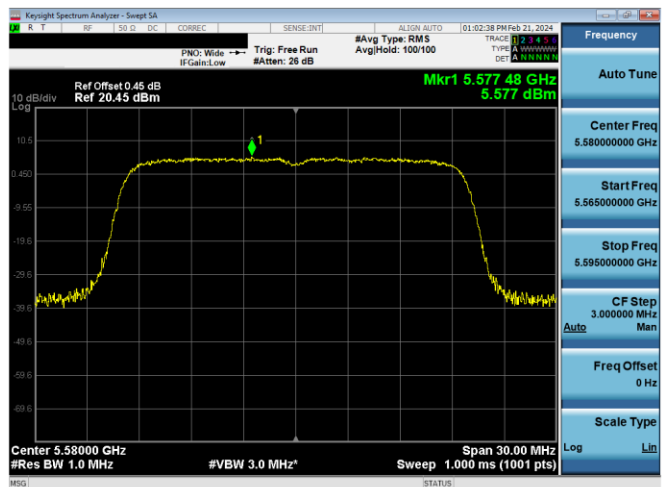
Plot 7-415. PSD Antenna 4a (40MHz BW 802.11ax(SU) – Ch. 54, MCS11)



Plot 7-418. PSD Antenna 4a (20MHz BW 802.11n – Ch. 116, MCS7)

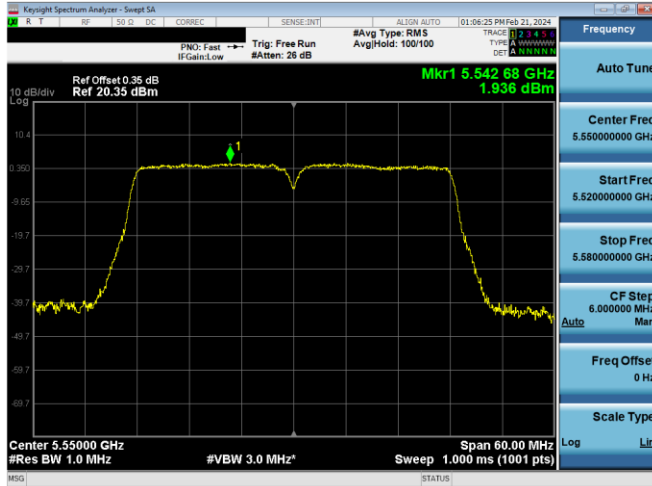


Plot 7-416. PSD Antenna 4a (80MHz BW 802.11ac – Ch. 58, MCS9)

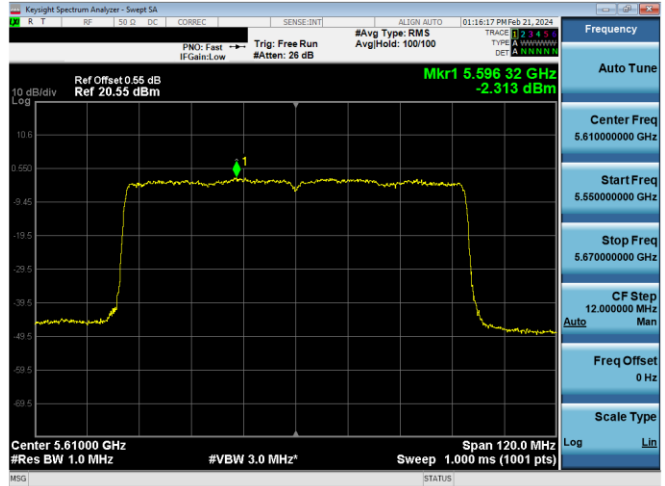


Plot 7-419. PSD Antenna 4a (20MHz BW 802.11ax(SU) – Ch. 116, MCS11)

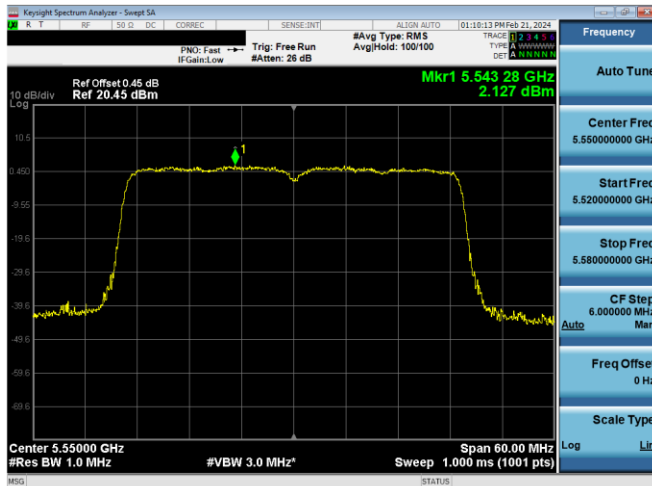
|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 177 of 577                   |



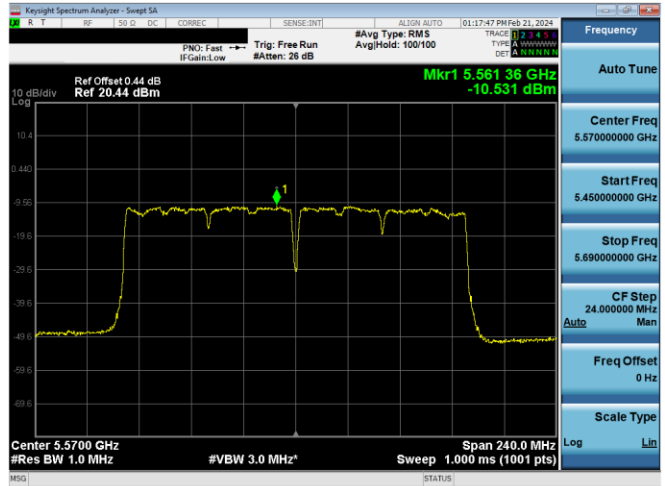
Plot 7-420. PSD Antenna 4a (40MHz BW 802.11n – Ch. 110, MCS7)



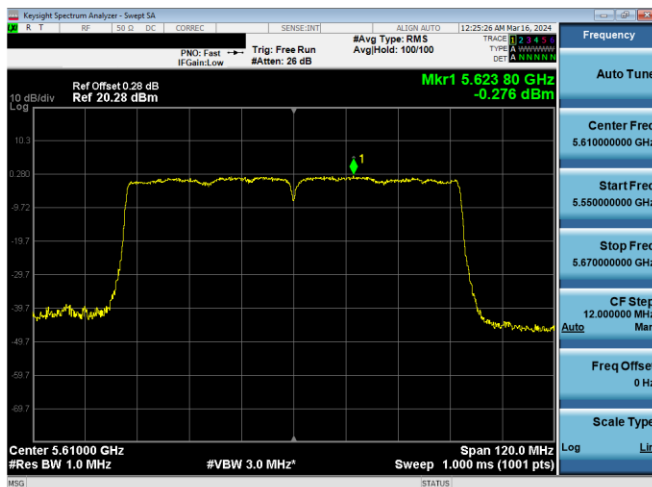
Plot 7-423. PSD Antenna 4a (80MHz BW 802.11ax(SU) – Ch. 122, MCS11)



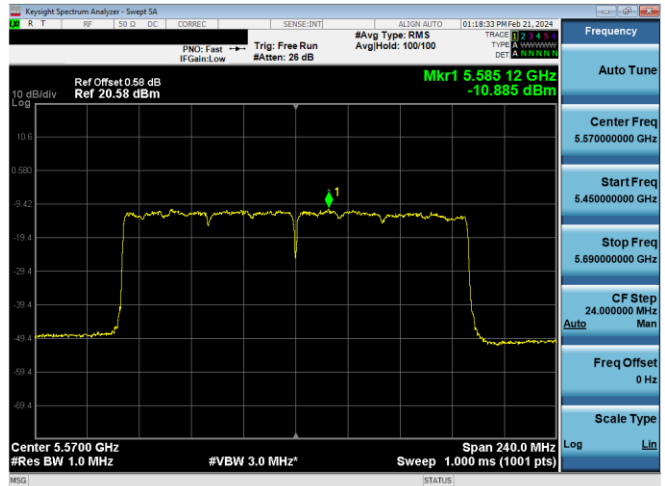
Plot 7-421. PSD Antenna 4a (40MHz BW 802.11ax(SU) – Ch. 110, MCS11)



Plot 7-424. PSD Antenna 4a (160MHz BW 802.11ac – Ch. 114, MCS9)



Plot 7-422. PSD Antenna 4a (80MHz BW 802.11ac – Ch. 122, MCS9)



Plot 7-425. PSD Antenna 4a (160MHz BW 802.11ax(SU) – Ch. 114, MCS11)

|                                         |                                       |                                       |                                   |
|-----------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      | element                               | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024 | EUT Type:<br>Tablet Device            | Page 178 of 577                   |

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|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps] | Measured Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|---------|-----------------|------------------|-------------------------------------|--------------------------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 19.5/21.7 (MCS2) | 4.71                                | 30.0                                       | -25.3       |
|        | 5785            | 157     | n (20MHz)       | 19.5/21.7 (MCS2) | 5.10                                | 30.0                                       | -24.9       |
|        | 5825            | 165     | n (20MHz)       | 19.5/21.7 (MCS2) | 5.49                                | 30.0                                       | -24.5       |
|        | 5745            | 149     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 4.35                                | 30.0                                       | -25.7       |
|        | 5785            | 157     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 3.94                                | 30.0                                       | -26.1       |
|        | 5825            | 165     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 4.14                                | 30.0                                       | -25.9       |
|        | 5755            | 151     | n (40MHz)       | 40/40.5 (MCS2)   | 3.58                                | 30.0                                       | -26.4       |
|        | 5795            | 159     | n (40MHz)       | 40/40.5 (MCS2)   | 3.03                                | 30.0                                       | -27.0       |
|        | 5755            | 151     | ax (SU) (40MHz) | 49/51.6 (MCS2)   | 2.46                                | 30.0                                       | -27.5       |
|        | 5795            | 159     | ax (SU) (40MHz) | 49/51.6 (MCS2)   | 1.88                                | 30.0                                       | -28.1       |
|        | 5775            | 155     | ac (80MHz)      | 87.8/97.5 (MCS2) | 0.19                                | 30.0                                       | -29.8       |
|        | 5775            | 155     | ax (SU) (80MHz) | 102/108.1 (MCS2) | -1.48                               | 30.0                                       | -31.5       |

**Table 7-212. Band 3 Power Spectral Density Measurements Antenna 4a (Low Data Rate)**

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps] | Measured Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|---------|-----------------|------------------|-------------------------------------|--------------------------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 39/43.3 (MCS4)   | 5.48                                | 30.0                                       | -24.5       |
|        | 5785            | 157     | n (20MHz)       | 39/43.3 (MCS4)   | 5.38                                | 30.0                                       | -24.6       |
|        | 5825            | 165     | n (20MHz)       | 39/43.3 (MCS4)   | 5.23                                | 30.0                                       | -24.8       |
|        | 5745            | 149     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 4.63                                | 30.0                                       | -25.4       |
|        | 5785            | 157     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 4.39                                | 30.0                                       | -25.6       |
|        | 5825            | 165     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 4.33                                | 30.0                                       | -25.7       |
|        | 5755            | 151     | n (40MHz)       | 81/90 (MCS4)     | 4.05                                | 30.0                                       | -25.9       |
|        | 5795            | 159     | n (40MHz)       | 81/90 (MCS4)     | 3.23                                | 30.0                                       | -26.8       |
|        | 5755            | 151     | ax (SU) (40MHz) | 98/103.2 (MCS4)  | 2.61                                | 30.0                                       | -27.4       |
|        | 5795            | 159     | ax (SU) (40MHz) | 98/103.2 (MCS4)  | 2.02                                | 30.0                                       | -28.0       |
|        | 5775            | 155     | ac (80MHz)      | 175.5/195 (MCS4) | 0.17                                | 30.0                                       | -29.8       |
|        | 5775            | 155     | ax (SU) (80MHz) | 204/216.2 (MCS4) | -2.07                               | 30.0                                       | -32.1       |

**Table 7-213. Band 3 Power Spectral Density Measurements Antenna 4a (Mid Data Rate)**

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps]  | Measured Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|---------|-----------------|-------------------|-------------------------------------|--------------------------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 65/72.2 (MCS7)    | 4.76                                | 30.0                                       | -25.2       |
|        | 5785            | 157     | n (20MHz)       | 65/72.2 (MCS7)    | 4.40                                | 30.0                                       | -25.6       |
|        | 5825            | 165     | n (20MHz)       | 65/72.2 (MCS7)    | 4.54                                | 30.0                                       | -25.5       |
|        | 5745            | 149     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 4.93                                | 30.0                                       | -25.1       |
|        | 5785            | 157     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 4.26                                | 30.0                                       | -25.7       |
|        | 5825            | 165     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 4.17                                | 30.0                                       | -25.8       |
|        | 5755            | 151     | n (40MHz)       | 135/150 (MCS7)    | 2.29                                | 30.0                                       | -27.7       |
|        | 5795            | 159     | n (40MHz)       | 135/150 (MCS7)    | 1.98                                | 30.0                                       | -28.0       |
|        | 5755            | 151     | ax (SU) (40MHz) | 271/286 (MCS11)   | 1.31                                | 30.0                                       | -28.7       |
|        | 5795            | 159     | ax (SU) (40MHz) | 271/286 (MCS11)   | 2.11                                | 30.0                                       | -27.9       |
|        | 5775            | 155     | ac (80MHz)      | 390/433.3 (MCS9)  | -1.88                               | 30.0                                       | -31.9       |
|        | 5775            | 155     | ax (SU) (80MHz) | 567/600.5 (MCS11) | -1.86                               | 30.0                                       | -31.9       |

**Table 7-214. Band 3 Power Spectral Density Measurements Antenna 4a (High Data Rate)**

|                                         |                                                                                                                               |                            |                                   |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2837<br>IC: 579C-A2837      |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270068-22.BCG | Test Dates:<br>11/28/2023 - 1/15/2024                                                                                         | EUT Type:<br>Tablet Device | Page 179 of 577                   |