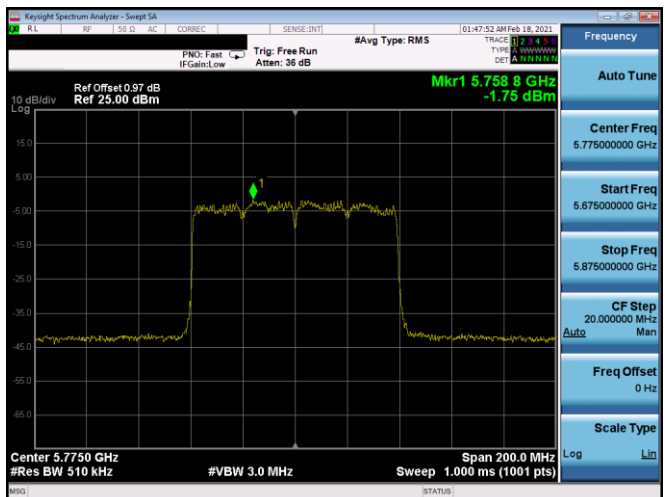
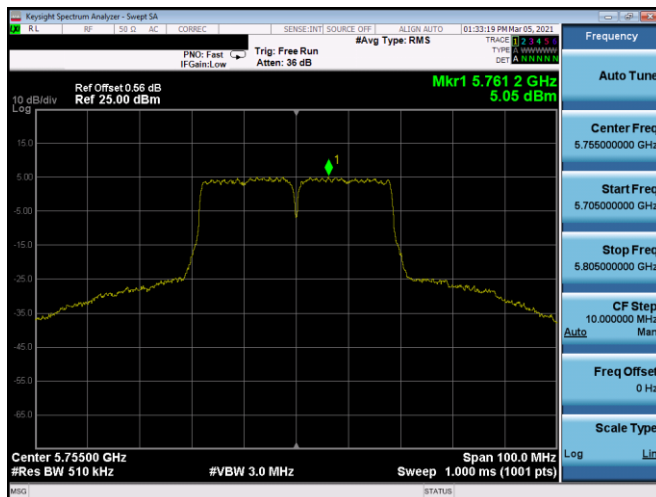
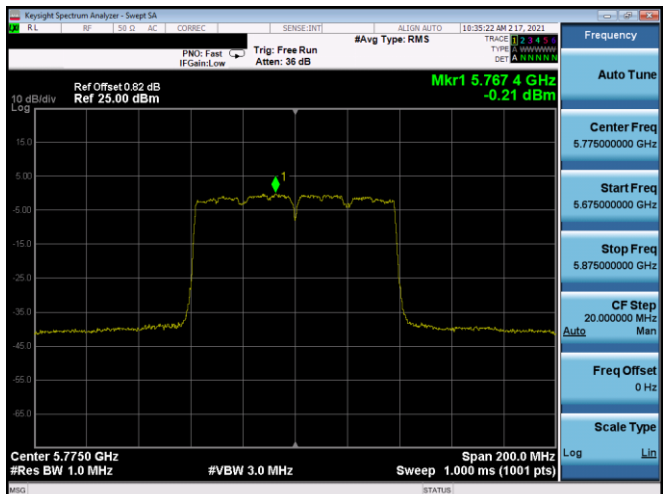
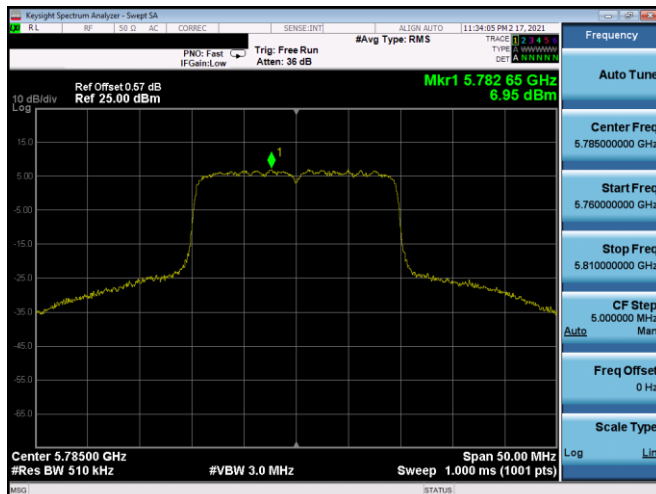
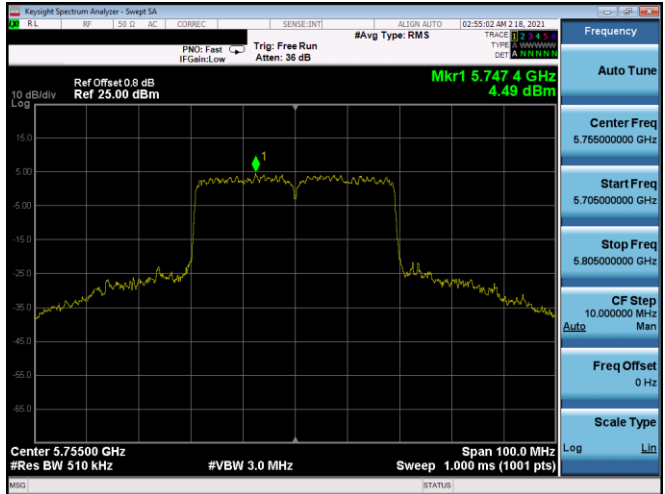
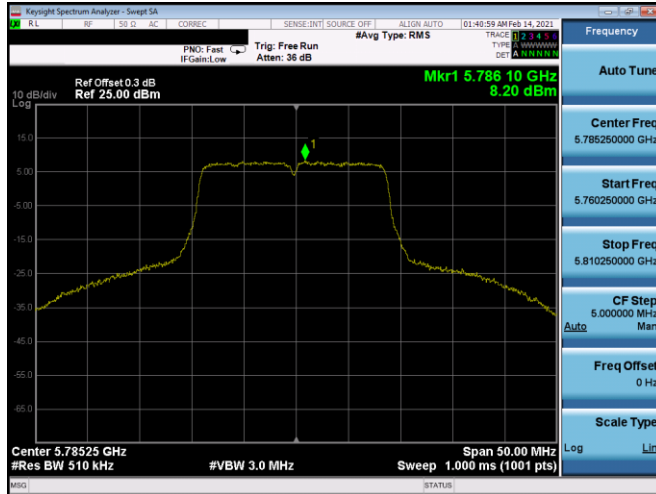




|                                                |                                              |                                                     |                                        |
|------------------------------------------------|----------------------------------------------|-----------------------------------------------------|----------------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378             |                                              | <b>MEASUREMENT REPORT</b><br><b>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2101020004-08.BCG | <b>Test Dates:</b><br>02/15/2021 - 3/16/2021 | <b>EUT Type:</b><br>Tablet Device                   | Page 100 of 349                        |

|        | 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] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|---------------|------------------|----------------------------------|--------------------|----------------------------------|-------------------------------------------|-------------|
| Band 1 | 5180            | 36          | n (20MHz)     | 6.5/7.2 (MCS0)   | 3.50                             | 3.80               | 7.30                             | 10.0                                      | -2.70       |
|        | 5200            | 40          | n (20MHz)     | 6.5/7.2 (MCS0)   | 3.40                             | 3.80               | 7.20                             | 10.0                                      | -2.80       |
|        | 5240            | 48          | n (20MHz)     | 6.5/7.2 (MCS0)   | 3.66                             | 3.80               | 7.46                             | 10.0                                      | -2.54       |
|        | 5180            | 36          | ax-SU (20MHz) | 8/8.6 (MCS0)     | 1.66                             | 3.80               | 5.46                             | 10.0                                      | -4.54       |
|        | 5200            | 40          | ax-SU (20MHz) | 8/8.6 (MCS0)     | 1.77                             | 3.80               | 5.57                             | 10.0                                      | -4.43       |
|        | 5240            | 48          | ax-SU (20MHz) | 8/8.6 (MCS0)     | 2.09                             | 3.80               | 5.89                             | 10.0                                      | -4.11       |
|        | 5190            | 38          | n (40MHz)     | 13.5/15 (MCS0)   | 2.14                             | 3.80               | 5.94                             | 10.0                                      | -4.06       |
|        | 5230            | 46          | n (40MHz)     | 13.5/15 (MCS0)   | 3.95                             | 3.80               | 7.75                             | 10.0                                      | -2.25       |
|        | 5190            | 38          | ax-SU (40MHz) | 16/17.2 (MCS0)   | -0.32                            | 3.80               | 3.48                             | 10.0                                      | -6.52       |
|        | 5230            | 46          | ax-SU (40MHz) | 16/17.2 (MCS0)   | 2.34                             | 3.80               | 6.14                             | 10.0                                      | -3.86       |
|        | 5210            | 42          | ac (80MHz)    | 29.3/32.5 (MCS0) | -0.70                            | 3.80               | 3.10                             | 10.0                                      | -6.90       |
|        | 5210            | 42          | ax-SU (80MHz) | 34/36.0 (MCS0)   | -6.17                            | 3.80               | -2.37                            | 10.0                                      | -12.37      |

**Table 7-98. ISD Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 5T (Low Data Rate)**

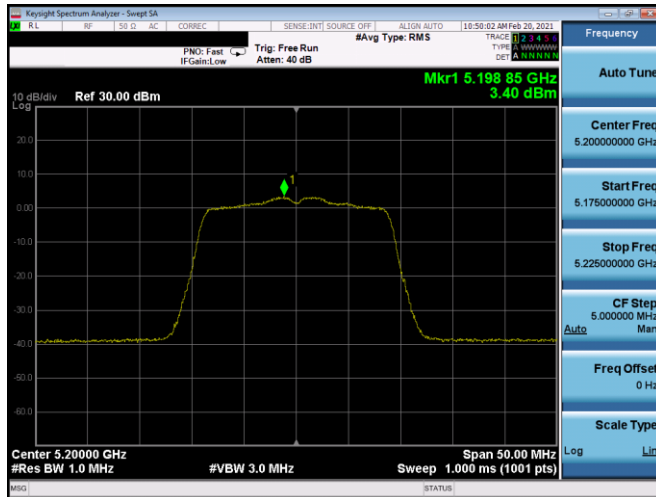
|        | Frequency [MHz] | Channel No. | 802.11 Mode   | Data Rate [Mbps] | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|---------------|------------------|----------------------------------|--------------------|----------------------------------|-------------------------------------------|-------------|
| Band 1 | 5180            | 36          | n (20MHz)     | 26/28.9 (MCS3)   | 3.94                             | 3.80               | 7.74                             | 10.0                                      | -2.26       |
|        | 5200            | 40          | n (20MHz)     | 26/28.9 (MCS3)   | 3.94                             | 3.80               | 7.74                             | 10.0                                      | -2.26       |
|        | 5240            | 48          | n (20MHz)     | 26/28.9 (MCS3)   | 4.16                             | 3.80               | 7.96                             | 10.0                                      | -2.04       |
|        | 5180            | 36          | ax-SU (20MHz) | 33/34.4 (MCS3)   | 2.43                             | 3.80               | 6.23                             | 10.0                                      | -3.77       |
|        | 5200            | 40          | ax-SU (20MHz) | 33/34.4 (MCS3)   | 2.47                             | 3.80               | 6.27                             | 10.0                                      | -3.73       |
|        | 5240            | 48          | ax-SU (20MHz) | 33/34.4 (MCS3)   | 2.70                             | 3.80               | 6.50                             | 10.0                                      | -3.50       |
|        | 5190            | 38          | n (40MHz)     | 54/60 (MCS3)     | 1.90                             | 3.80               | 5.70                             | 10.0                                      | -4.31       |
|        | 5230            | 46          | n (40MHz)     | 54/60 (MCS3)     | 4.37                             | 3.80               | 8.17                             | 10.0                                      | -1.83       |
|        | 5190            | 38          | ax-SU (40MHz) | 65/68.8 (MCS3)   | -0.02                            | 3.80               | 3.78                             | 10.0                                      | -6.22       |
|        | 5230            | 46          | ax-SU (40MHz) | 65/68.8 (MCS3)   | 2.68                             | 3.80               | 6.48                             | 10.0                                      | -3.52       |
|        | 5210            | 42          | ac (80MHz)    | 117/130 (MCS3)   | -0.47                            | 3.80               | 3.33                             | 10.0                                      | -6.67       |
|        | 5210            | 42          | ax-SU (80MHz) | 136/144.1 (MCS3) | -4.73                            | 3.80               | -0.93                            | 10.0                                      | -10.93      |

**Table 7-99. ISD Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 5T (Mid Data Rate)**

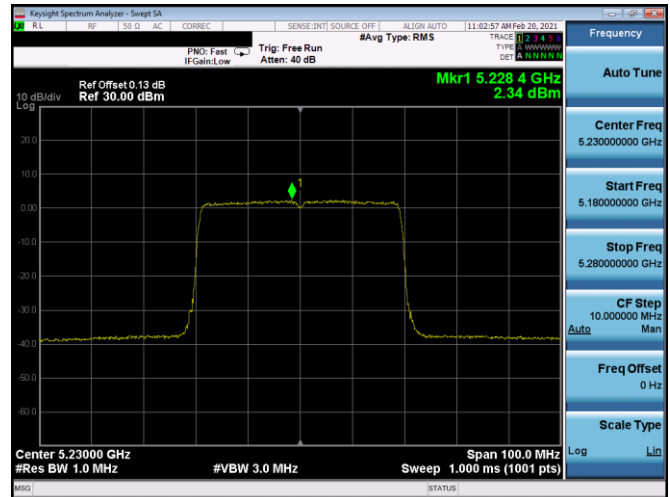
|        | Frequency [MHz] | Channel No. | 802.11 Mode   | Data Rate [Mbps]  | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|---------------|-------------------|----------------------------------|--------------------|----------------------------------|-------------------------------------------|-------------|
| Band 1 | 5180            | 36          | n (20MHz)     | 52/57.8 (MCS5)    | 3.71                             | 3.80               | 7.51                             | 10.0                                      | -2.49       |
|        | 5200            | 40          | n (20MHz)     | 52/57.8 (MCS5)    | 2.50                             | 3.80               | 6.30                             | 10.0                                      | -3.70       |
|        | 5240            | 48          | n (20MHz)     | 52/57.8 (MCS5)    | 2.95                             | 3.80               | 6.75                             | 10.0                                      | -3.25       |
|        | 5180            | 36          | ax-SU (20MHz) | 135/143.4 (MCS11) | 2.74                             | 3.80               | 6.54                             | 10.0                                      | -3.46       |
|        | 5200            | 40          | ax-SU (20MHz) | 135/143.4 (MCS11) | 3.02                             | 3.80               | 6.82                             | 10.0                                      | -3.18       |
|        | 5240            | 48          | ax-SU (20MHz) | 135/143.4 (MCS11) | 3.15                             | 3.80               | 6.95                             | 10.0                                      | -3.05       |
|        | 5190            | 38          | n (40MHz)     | 108/120 (MCS5)    | 0.08                             | 3.80               | 3.88                             | 10.0                                      | -6.12       |
|        | 5230            | 46          | n (40MHz)     | 108/120 (MCS5)    | 2.78                             | 3.80               | 6.58                             | 10.0                                      | -3.42       |
|        | 5190            | 38          | ax-SU (40MHz) | 271/286.8 (MCS11) | -0.64                            | 3.80               | 3.16                             | 10.0                                      | -6.84       |
|        | 5230            | 46          | ax-SU (40MHz) | 271/286.8 (MCS11) | 2.84                             | 3.80               | 6.64                             | 10.0                                      | -3.36       |
|        | 5210            | 42          | ac (80MHz)    | 234/260 (MCS5)    | -3.96                            | 3.80               | -0.16                            | 10.0                                      | -10.16      |
|        | 5210            | 42          | ax-SU (80MHz) | 567/600.5 (MCS11) | -5.49                            | 3.80               | -1.69                            | 10.0                                      | -11.69      |

**Table 7-100. ISD Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 5T (High Data Rate)**

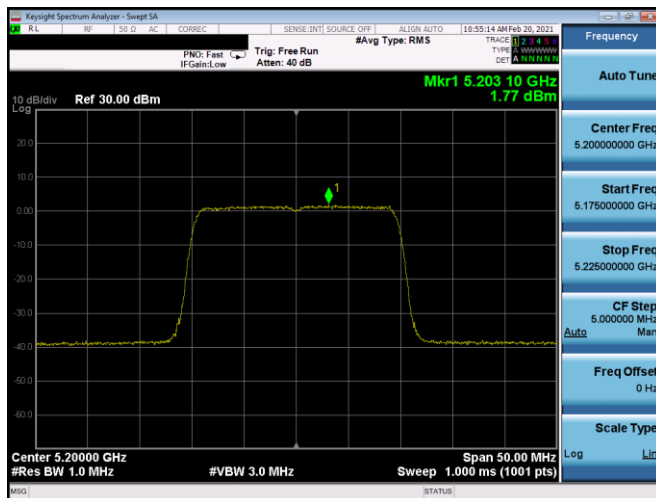
|                                         |                                                                                                                                                                                                |                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378      | <br>Proud to be part of  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020004-08.BCG | Test Dates:<br>02/15/2021 - 3/16/2021                                                                                                                                                          | EUT Type:<br>Tablet Device            | Page 101 of 349                 |



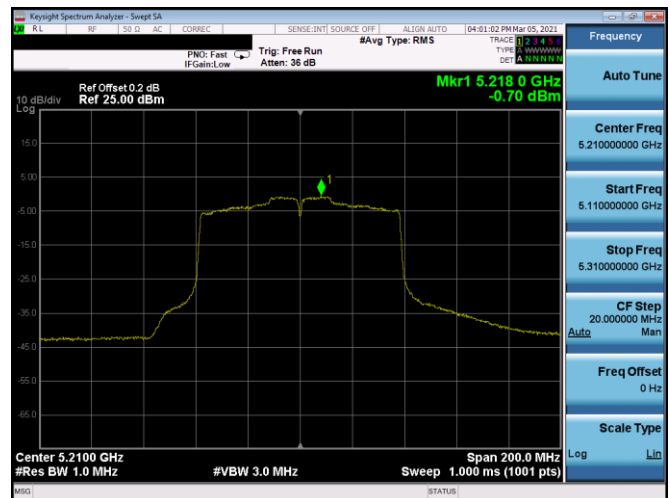
Plot 7-217. ISED PSD Antenna 5T (20MHz BW 11n – Ch.40, MCS0)



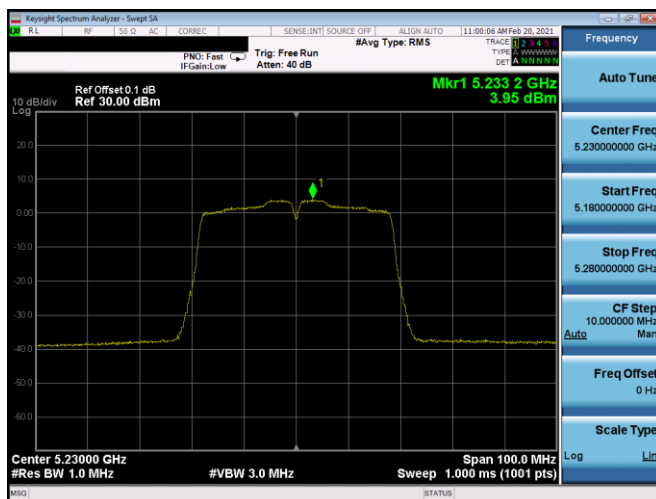
Plot 7-220. ISED PSD Antenna 5T (40MHz BW 11ax(SU) – Ch.46, MCS0)



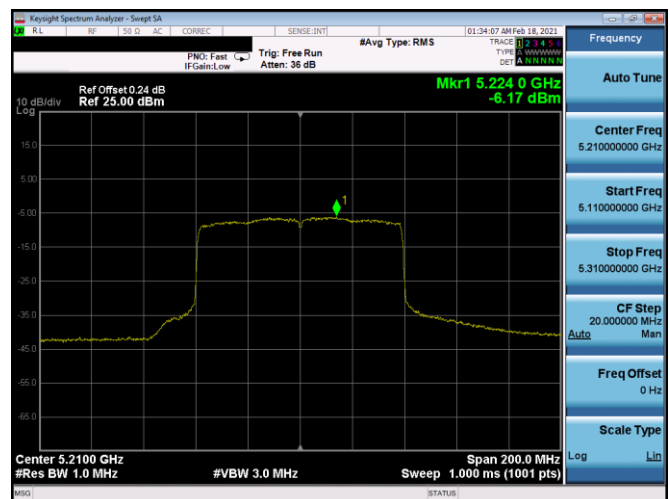
Plot 7-218. ISED PSD Antenna 5T (20MHz BW 11ax(SU) – Ch.40, MCS0)



Plot 7-221. ISED PSD Antenna 5T (80MHz BW 11ac – Ch.42, MCS0)

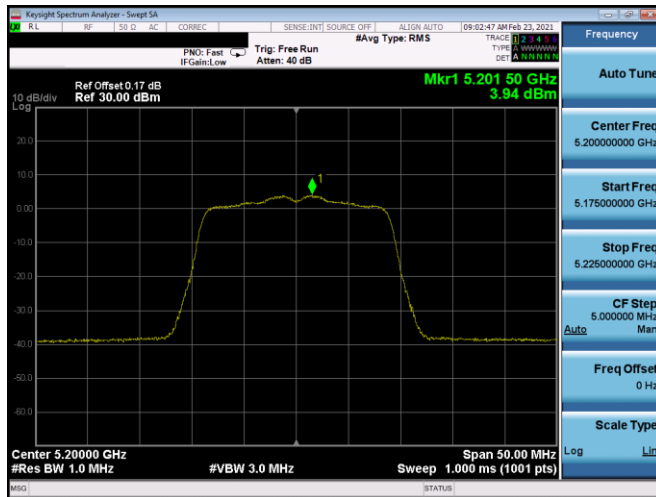


Plot 7-219. ISED PSD Antenna 5T (40MHz BW 11n – Ch.46, MCS0)

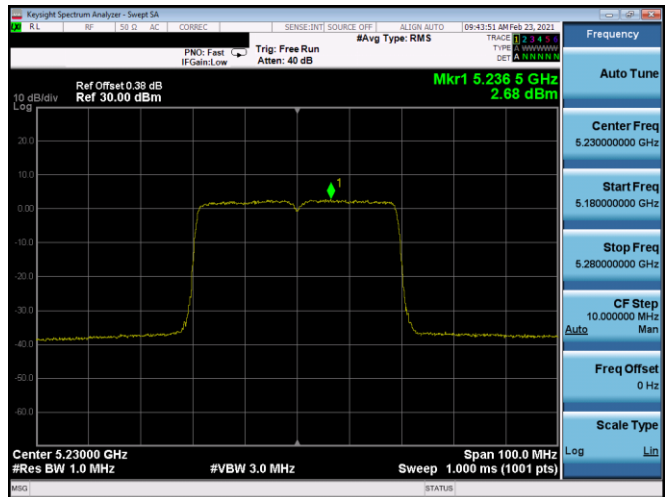


Plot 7-222. ISED PSD Antenna 5T (80MHz BW 11ax (SU) – Ch.42, MCS0)

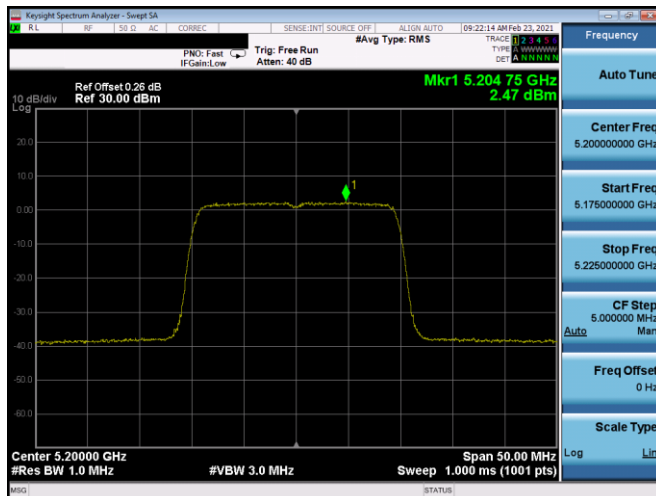
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378      | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020004-08.BCG | Test Dates:<br>02/15/2021 - 3/16/2021        | EUT Type:<br>Tablet Device            | Page 102 of 349                 |



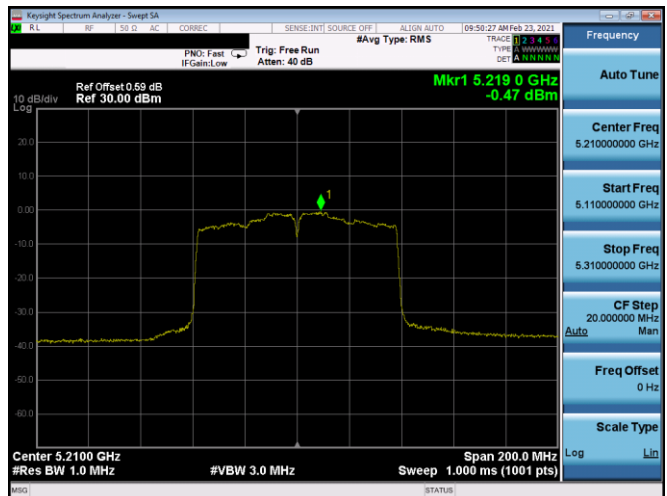
Plot 7-223. ISSED PSD Antenna 5T (20MHz BW 11n – Ch.40, MCS3)



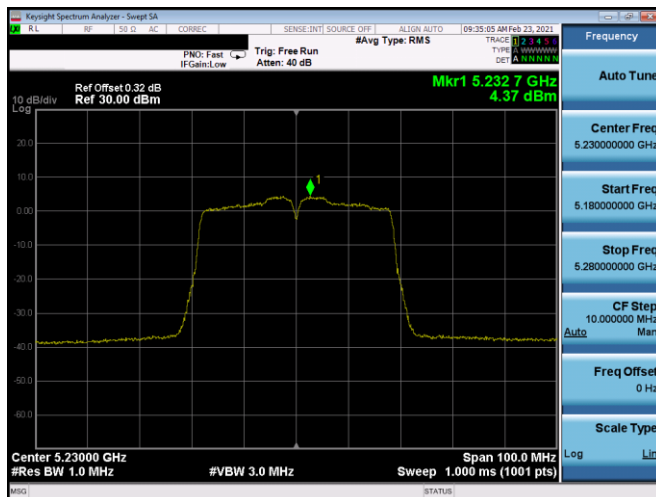
Plot 7-226. ISSED PSD Antenna 5T (40MHz BW 11ax(SU) – Ch.46, MCS3)



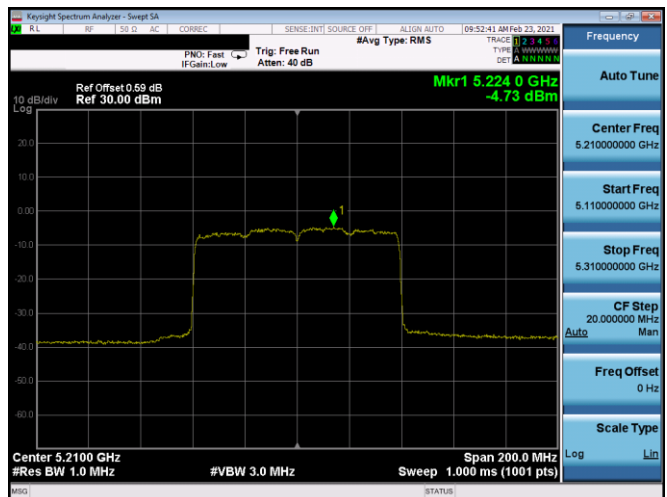
Plot 7-224. ISSED PSD Antenna 5T (20MHz BW 11ax(SU) – Ch.40, MCS3)



Plot 7-227. ISSED PSD Antenna 5T (80MHz BW 11ac – Ch.42, MCS3)

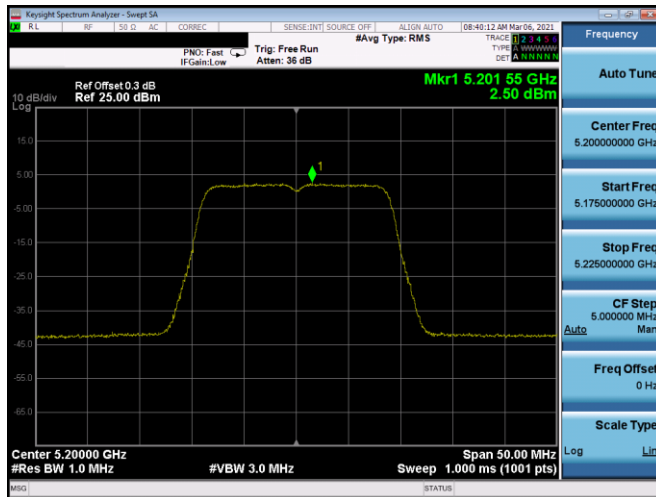


Plot 7-225. ISSED PSD Antenna 5T (40MHz BW 11n – Ch.46, MCS3)

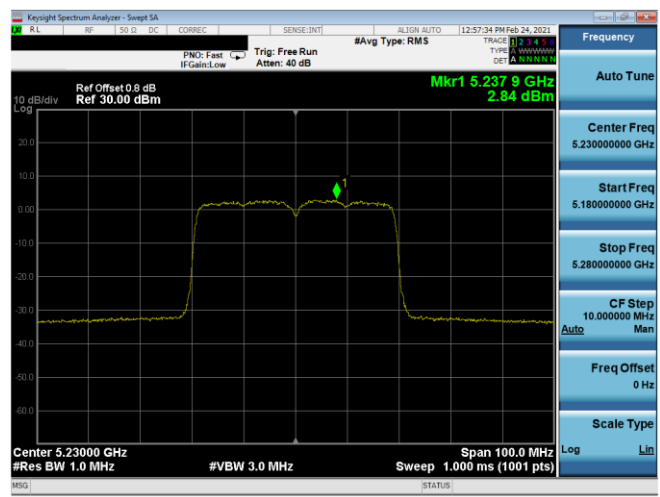


Plot 7-228. ISSED PSD Antenna 5T (80MHz BW 11ax(SU) – Ch.42, MCS3)

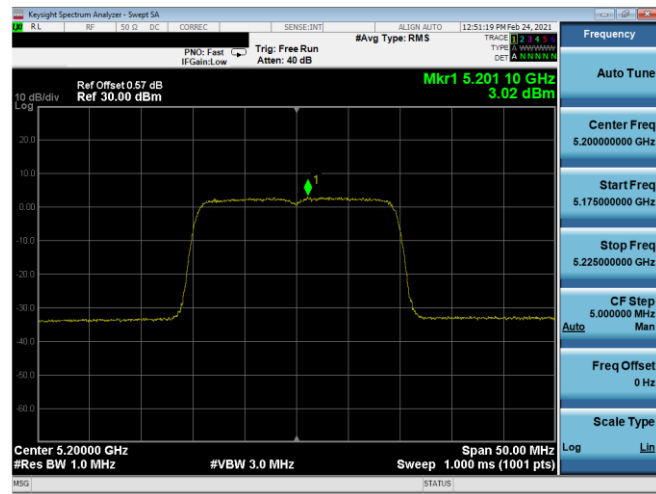
|                                                |                                              |                                               |                                        |
|------------------------------------------------|----------------------------------------------|-----------------------------------------------|----------------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378             |                                              | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2101020004-08.BCG | <b>Test Dates:</b><br>02/15/2021 - 3/16/2021 | <b>EUT Type:</b><br>Tablet Device             | Page 103 of 349                        |



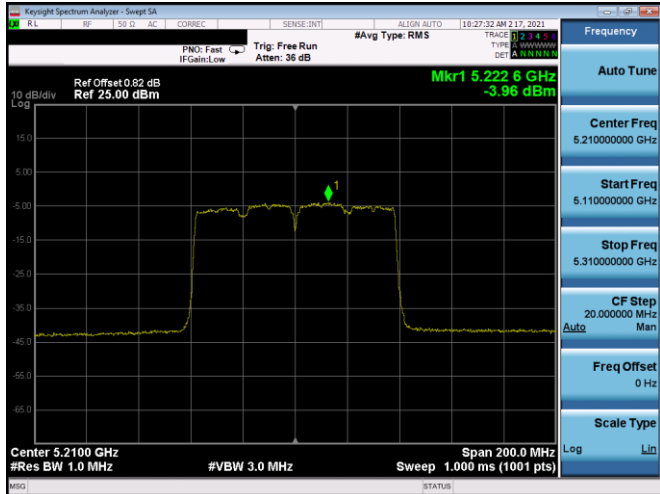
Plot 7-229. ISED PSD Antenna 5T (20MHz BW 11n – Ch.40, MCS5)



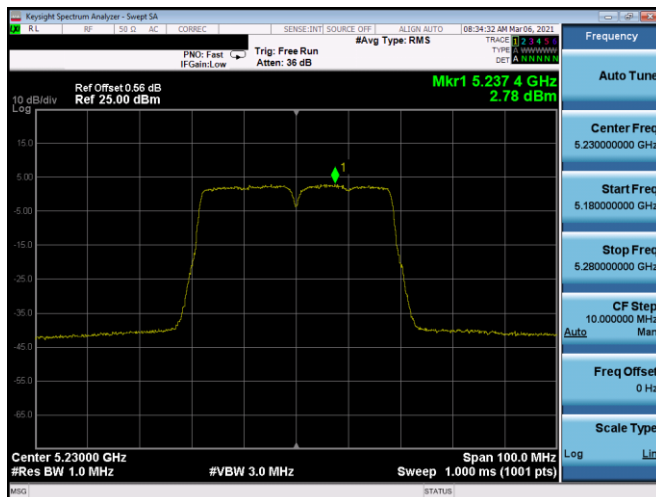
Plot 7-232. ISED PSD Antenna 5T (40MHz BW 11ax(SU) – Ch.46, MCS11)



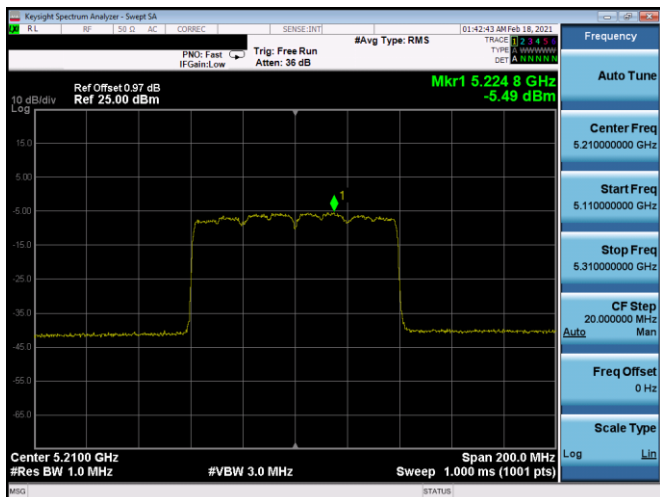
Plot 7-230. ISED PSD Antenna 5T (20MHz BW 11ax(SU) – Ch.40, MCS11)



Plot 7-233. ISED PSD Antenna 5T (80MHz BW 11ac – Ch.42, MCS5)



Plot 7-231. ISED PSD Antenna 5T (40MHz BW 11n – Ch.46, MCS5)



Plot 7-234. ISED PSD Antenna 5T (80MHz BW 11ax(SU) – Ch.42, MCS11)

|                                                |                                              |                                                     |                                        |
|------------------------------------------------|----------------------------------------------|-----------------------------------------------------|----------------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378             |                                              | <b>MEASUREMENT REPORT</b><br><b>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2101020004-08.BCG | <b>Test Dates:</b><br>02/15/2021 - 3/16/2021 | <b>EUT Type:</b><br>Tablet Device                   | Page 104 of 349                        |

## 7.5.2 Antenna 5B 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)     | 6.5/7.2 (MCS0)   | 7.43                             | 11.0                        | -3.57       |
|         | 5200            | 40          | n (20MHz)     | 6.5/7.2 (MCS0)   | 9.26                             | 11.0                        | -1.74       |
|         | 5240            | 48          | n (20MHz)     | 6.5/7.2 (MCS0)   | 9.35                             | 11.0                        | -1.65       |
|         | 5180            | 36          | ax-SU (20MHz) | 8/8.6 (MCS0)     | 5.01                             | 11.0                        | -5.99       |
|         | 5200            | 40          | ax-SU (20MHz) | 8/8.6 (MCS0)     | 7.69                             | 11.0                        | -3.31       |
|         | 5240            | 48          | ax-SU (20MHz) | 8/8.6 (MCS0)     | 7.84                             | 11.0                        | -3.16       |
|         | 5190            | 38          | n (40MHz)     | 13.5/15 (MCS0)   | 1.83                             | 11.0                        | -9.17       |
|         | 5230            | 46          | n (40MHz)     | 13.5/15 (MCS0)   | 7.88                             | 11.0                        | -3.12       |
|         | 5190            | 38          | ax-SU (40MHz) | 16/17.2 (MCS0)   | 0.94                             | 11.0                        | -10.06      |
|         | 5230            | 46          | ax-SU (40MHz) | 16/17.2 (MCS0)   | 5.83                             | 11.0                        | -5.17       |
|         | 5210            | 42          | ac (80MHz)    | 29.3/32.5 (MCS0) | -2.06                            | 11.0                        | -13.06      |
|         | 5210            | 42          | ax-SU (80MHz) | 34/36 (MCS0)     | -4.33                            | 11.0                        | -15.33      |
| Band 2A | 5260            | 52          | n (20MHz)     | 6.5/7.2 (MCS0)   | 9.74                             | 11.0                        | -1.26       |
|         | 5280            | 56          | n (20MHz)     | 6.5/7.2 (MCS0)   | 9.39                             | 11.0                        | -1.61       |
|         | 5320            | 64          | n (20MHz)     | 6.5/7.2 (MCS0)   | 8.65                             | 11.0                        | -2.35       |
|         | 5260            | 52          | ax-SU (20MHz) | 8/8.6 (MCS0)     | 7.87                             | 11.0                        | -3.13       |
|         | 5280            | 56          | ax-SU (20MHz) | 8/8.6 (MCS0)     | 7.92                             | 11.0                        | -3.08       |
|         | 5320            | 64          | ax-SU (20MHz) | 8/8.6 (MCS0)     | 6.76                             | 11.0                        | -4.24       |
|         | 5270            | 54          | n (40MHz)     | 13.5/15 (MCS0)   | 8.15                             | 11.0                        | -2.85       |
|         | 5310            | 62          | n (40MHz)     | 13.5/15 (MCS0)   | 1.90                             | 11.0                        | -9.10       |
|         | 5270            | 54          | ax-SU (40MHz) | 16/17.2 (MCS0)   | 6.57                             | 11.0                        | -4.43       |
|         | 5310            | 62          | ax-SU (40MHz) | 16/17.2 (MCS0)   | 0.41                             | 11.0                        | -10.59      |
|         | 5290            | 58          | ac (80MHz)    | 29.3/32.5 (MCS0) | -3.11                            | 11.0                        | -14.11      |
|         | 5290            | 58          | ax-SU (80MHz) | 34/36 (MCS0)     | -2.53                            | 11.0                        | -13.53      |
|         | 5500            | 100         | n (20MHz)     | 6.5/7.2 (MCS0)   | 8.58                             | 11.0                        | -2.42       |
|         | 5580            | 116         | n (20MHz)     | 6.5/7.2 (MCS0)   | 10.06                            | 11.0                        | -0.94       |
| Band 2C | 5720            | 144         | n (20MHz)     | 6.5/7.2 (MCS0)   | 10.29                            | 11.0                        | -0.71       |
|         | 5500            | 100         | ax-SU (20MHz) | 8/8.6 (MCS0)     | 5.80                             | 11.0                        | -5.20       |
|         | 5580            | 116         | ax-SU (20MHz) | 8/8.6 (MCS0)     | 8.07                             | 11.0                        | -2.93       |
|         | 5720            | 144         | ax-SU (20MHz) | 8/8.6 (MCS0)     | 8.58                             | 11.0                        | -2.42       |
|         | 5510            | 102         | n (40MHz)     | 13.5/15 (MCS0)   | 2.85                             | 11.0                        | -8.15       |
|         | 5550            | 110         | n (40MHz)     | 13.5/15 (MCS0)   | 8.39                             | 11.0                        | -2.61       |
|         | *5590           | 118         | n (40MHz)     | 13.5/15 (MCS0)   | 8.52                             | 11.0                        | -2.48       |
|         | 5710            | 142         | n (40MHz)     | 13.5/15 (MCS0)   | 8.86                             | 11.0                        | -2.14       |
|         | 5510            | 102         | ax-SU (40MHz) | 16/17.2 (MCS0)   | 1.41                             | 11.0                        | -9.59       |
|         | 5550            | 110         | ax-SU (40MHz) | 16/17.2 (MCS0)   | 5.04                             | 11.0                        | -5.96       |
|         | *5590           | 118         | ax-SU (40MHz) | 16/17.2 (MCS0)   | 6.78                             | 11.0                        | -4.22       |
|         | 5710            | 142         | ax-SU (40MHz) | 16/17.2 (MCS0)   | 6.91                             | 11.0                        | -4.09       |
|         | 5530            | 106         | ac (80MHz)    | 29.3/32.5 (MCS0) | -2.02                            | 11.0                        | -13.02      |
|         | *5610           | 122         | ac (80MHz)    | 29.3/32.5 (MCS9) | 4.30                             | 11.0                        | -6.70       |
|         | 5690            | 138         | ac (80MHz)    | 29.3/32.5 (MCS0) | 2.95                             | 11.0                        | -8.05       |
|         | 5530            | 106         | ax-SU (80MHz) | 34/36 (MCS0)     | -3.31                            | 11.0                        | -14.31      |
|         | *5610           | 122         | ax-SU (80MHz) | 34/36 (MCS0)     | 0.96                             | 11.0                        | -10.04      |
|         | 5690            | 138         | ax-SU (80MHz) | 34/36 (MCS0)     | 4.25                             | 11.0                        | -6.75       |

Table 7-101. Power Spectral Density Measurements Antenna 5B (Low Data Rate)

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

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020004-08.BCG | Test Dates:<br>02/15/2021 - 3/16/2021                                               | EUT Type:<br>Tablet Device            | Page 105 of 349                 |

|         | 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)     | 26/28.9 (MCS3)   | 7.13                             | 11.0                        | -3.87       |
|         | 5200            | 40          | n (20MHz)     | 26/28.9 (MCS3)   | 7.13                             | 11.0                        | -3.87       |
|         | 5240            | 48          | n (20MHz)     | 26/28.9 (MCS3)   | 9.87                             | 11.0                        | -1.13       |
|         | 5180            | 36          | ax-SU (20MHz) | 33/34.4 (MCS3)   | 4.88                             | 11.0                        | -6.12       |
|         | 5200            | 40          | ax-SU (20MHz) | 33/34.4 (MCS3)   | 8.22                             | 11.0                        | -2.78       |
|         | 5240            | 48          | ax-SU (20MHz) | 33/34.4 (MCS3)   | 8.35                             | 11.0                        | -2.65       |
|         | 5190            | 38          | n (40MHz)     | 54/60 (MCS3)     | 0.85                             | 11.0                        | -10.15      |
|         | 5230            | 46          | n (40MHz)     | 54/60 (MCS3)     | 6.84                             | 11.0                        | -4.16       |
|         | 5190            | 38          | ax-SU (40MHz) | 65/68.8 (MCS3)   | 0.33                             | 11.0                        | -10.67      |
|         | 5230            | 46          | ax-SU (40MHz) | 65/68.8 (MCS3)   | 5.41                             | 11.0                        | -5.59       |
|         | 5210            | 42          | ac (80MHz)    | 117/130 (MCS3)   | -0.43                            | 11.0                        | -11.43      |
|         | 5210            | 42          | ax-SU (80MHz) | 136/144.1 (MCS3) | -4.64                            | 11.0                        | -15.64      |
| Band 2A | 5260            | 52          | n (20MHz)     | 26/28.9 (MCS3)   | 9.70                             | 11.0                        | -1.30       |
|         | 5280            | 56          | n (20MHz)     | 26/28.9 (MCS3)   | 9.94                             | 11.0                        | -1.06       |
|         | 5320            | 64          | n (20MHz)     | 26/28.9 (MCS3)   | 7.02                             | 11.0                        | -3.98       |
|         | 5260            | 52          | ax-SU (20MHz) | 33/34.4 (MCS3)   | 8.37                             | 11.0                        | -2.63       |
|         | 5280            | 56          | ax-SU (20MHz) | 33/34.4 (MCS3)   | 8.47                             | 11.0                        | -2.53       |
|         | 5320            | 64          | ax-SU (20MHz) | 33/34.4 (MCS3)   | 5.94                             | 11.0                        | -5.06       |
|         | 5270            | 54          | n (40MHz)     | 54/60 (MCS3)     | 8.70                             | 11.0                        | -2.30       |
|         | 5310            | 62          | n (40MHz)     | 54/60 (MCS3)     | -0.31                            | 11.0                        | -11.31      |
|         | 5270            | 54          | ax-SU (40MHz) | 65/68.8 (MCS3)   | 6.12                             | 11.0                        | -4.88       |
|         | 5310            | 62          | ax-SU (40MHz) | 65/68.8 (MCS3)   | -0.26                            | 11.0                        | -11.26      |
|         | 5290            | 58          | ac (80MHz)    | 117/130 (MCS3)   | -3.09                            | 11.0                        | -14.09      |
|         | 5290            | 58          | ax-SU (80MHz) | 136/144.1 (MCS3) | -3.00                            | 11.0                        | -14.00      |
| Band 2C | 5500            | 100         | n (20MHz)     | 26/28.9 (MCS3)   | 7.22                             | 11.0                        | -3.78       |
|         | 5580            | 116         | n (20MHz)     | 26/28.9 (MCS3)   | 10.52                            | 11.0                        | -0.48       |
|         | 5720            | 144         | n (20MHz)     | 26/28.9 (MCS3)   | 10.56                            | 11.0                        | -0.44       |
|         | 5500            | 100         | ax-SU (20MHz) | 33/34.4 (MCS3)   | 4.85                             | 11.0                        | -6.15       |
|         | 5580            | 116         | ax-SU (20MHz) | 33/34.4 (MCS3)   | 8.70                             | 11.0                        | -2.30       |
|         | 5720            | 144         | ax-SU (20MHz) | 33/34.4 (MCS3)   | 8.93                             | 11.0                        | -2.07       |
|         | 5510            | 102         | n (40MHz)     | 54/60 (MCS3)     | 1.15                             | 11.0                        | -9.85       |
|         | 5550            | 110         | n (40MHz)     | 54/60 (MCS3)     | 7.20                             | 11.0                        | -3.80       |
|         | *5590           | 118         | n (40MHz)     | 54/60 (MCS3)     | 8.78                             | 11.0                        | -2.22       |
|         | 5710            | 142         | n (40MHz)     | 54/60 (MCS3)     | 7.83                             | 11.0                        | -3.17       |
|         | 5510            | 102         | ax-SU (40MHz) | 65/68.8 (MCS3)   | -0.03                            | 11.0                        | -11.03      |
|         | 5550            | 110         | ax-SU (40MHz) | 65/68.8 (MCS3)   | 5.04                             | 11.0                        | -5.96       |
|         | *5590           | 118         | ax-SU (40MHz) | 65/68.8 (MCS3)   | 7.14                             | 11.0                        | -3.86       |
|         | 5710            | 142         | ax-SU (40MHz) | 65/68.8 (MCS3)   | 7.26                             | 11.0                        | -3.74       |
|         | 5530            | 106         | ac (80MHz)    | 117/130 (MCS3)   | -2.34                            | 11.0                        | -13.34      |
|         | *5610           | 122         | ac (80MHz)    | 117/130 (MCS3)   | 3.84                             | 11.0                        | -7.16       |
|         | 5690            | 138         | ac (80MHz)    | 117/130 (MCS3)   | 3.58                             | 11.0                        | -7.42       |
|         | 5530            | 106         | ax-SU (80MHz) | 136/144.1 (MCS3) | -3.93                            | 11.0                        | -14.93      |
|         | *5610           | 122         | ax-SU (80MHz) | 136/144.1 (MCS3) | 0.39                             | 11.0                        | -10.61      |
|         | 5690            | 138         | ax-SU (80MHz) | 136/144.1 (MCS3) | 4.44                             | 11.0                        | -6.56       |

**Table 7-102. Power Spectral Density Measurements Antenna 5B (Mid Data Rate)**

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

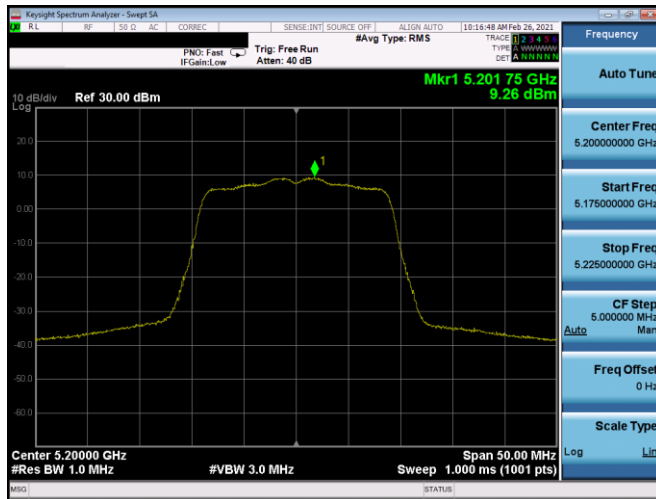
|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020004-08.BCG | Test Dates:<br>02/15/2021 - 3/16/2021                                               | EUT Type:<br>Tablet Device            | Page 106 of 349                 |

|         | 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)     | 52/57.8 (MCS5)    | 5.36                             | 11.0                        | -5.64       |
|         | 5200            | 40          | n (20MHz)     | 52/57.8 (MCS5)    | 8.62                             | 11.0                        | -2.38       |
|         | 5240            | 48          | n (20MHz)     | 52/57.8 (MCS5)    | 8.68                             | 11.0                        | -2.32       |
|         | 5180            | 36          | ax-SU (20MHz) | 135/143.4 (MCS11) | 4.46                             | 11.0                        | -6.54       |
|         | 5200            | 40          | ax-SU (20MHz) | 135/143.4 (MCS11) | 7.96                             | 11.0                        | -3.04       |
|         | 5240            | 48          | ax-SU (20MHz) | 135/143.4 (MCS11) | 8.57                             | 11.0                        | -2.43       |
|         | 5190            | 38          | n (40MHz)     | 108/120 (MCS5)    | -1.10                            | 11.0                        | -12.10      |
|         | 5230            | 46          | n (40MHz)     | 108/120 (MCS5)    | 4.91                             | 11.0                        | -6.09       |
|         | 5190            | 38          | ax-SU (40MHz) | 271/286.8 (MCS11) | -0.67                            | 11.0                        | -11.67      |
|         | 5230            | 46          | ax-SU (40MHz) | 271/286.8 (MCS11) | 5.03                             | 11.0                        | -5.97       |
|         | 5210            | 42          | ac (80MHz)    | 234/260 (MCS5)    | -4.02                            | 11.0                        | -15.02      |
|         | 5210            | 42          | ax-SU (80MHz) | 567/600.5 (MCS11) | -5.11                            | 11.0                        | -16.11      |
| Band 2A | 5260            | 52          | n (20MHz)     | 52/57.8 (MCS5)    | 8.95                             | 11.0                        | -2.05       |
|         | 5280            | 56          | n (20MHz)     | 52/57.8 (MCS5)    | 8.72                             | 11.0                        | -2.28       |
|         | 5320            | 64          | n (20MHz)     | 52/57.8 (MCS5)    | 5.37                             | 11.0                        | -5.63       |
|         | 5260            | 52          | ax-SU (20MHz) | 135/143.4 (MCS11) | 8.39                             | 11.0                        | -2.61       |
|         | 5280            | 56          | ax-SU (20MHz) | 135/143.4 (MCS11) | 8.50                             | 11.0                        | -2.50       |
|         | 5320            | 64          | ax-SU (20MHz) | 135/143.4 (MCS11) | 5.41                             | 11.0                        | -5.59       |
|         | 5270            | 54          | n (40MHz)     | 108/120 (MCS5)    | 4.97                             | 11.0                        | -6.03       |
|         | 5310            | 62          | n (40MHz)     | 108/120 (MCS5)    | -1.38                            | 11.0                        | -12.38      |
|         | 5270            | 54          | ax-SU (40MHz) | 271/286.8 (MCS11) | 5.45                             | 11.0                        | -5.55       |
|         | 5310            | 62          | ax-SU (40MHz) | 271/286.8 (MCS11) | -0.01                            | 11.0                        | -11.01      |
|         | 5290            | 58          | ac (80MHz)    | 234/260 (MCS5)    | -3.68                            | 11.0                        | -14.68      |
|         | 5290            | 58          | ax-SU (80MHz) | 567/600.5 (MCS11) | -3.83                            | 11.0                        | -14.83      |
| Band 2C | 5500            | 100         | n (20MHz)     | 52/57.8 (MCS5)    | 5.92                             | 11.0                        | -5.08       |
|         | 5580            | 116         | n (20MHz)     | 52/57.8 (MCS5)    | 9.60                             | 11.0                        | -1.40       |
|         | 5720            | 144         | n (20MHz)     | 52/57.8 (MCS5)    | 9.76                             | 11.0                        | -1.24       |
|         | 5500            | 100         | ax-SU (20MHz) | 135/143.4 (MCS11) | 3.95                             | 11.0                        | -7.05       |
|         | 5580            | 116         | ax-SU (20MHz) | 135/143.4 (MCS11) | 8.84                             | 11.0                        | -2.16       |
|         | 5720            | 144         | ax-SU (20MHz) | 135/143.4 (MCS11) | 9.04                             | 11.0                        | -1.96       |
|         | 5510            | 102         | n (40MHz)     | 108/120 (MCS5)    | -2.36                            | 11.0                        | -13.36      |
|         | 5550            | 110         | n (40MHz)     | 108/120 (MCS5)    | 4.96                             | 11.0                        | -6.04       |
|         | *5590           | 118         | n (40MHz)     | 108/120 (MCS5)    | 5.73                             | 11.0                        | -5.27       |
|         | 5710            | 142         | n (40MHz)     | 108/120 (MCS5)    | 7.71                             | 11.0                        | -3.29       |
|         | 5510            | 102         | ax-SU (40MHz) | 271/286.8 (MCS11) | -1.11                            | 11.0                        | -12.11      |
|         | 5550            | 110         | ax-SU (40MHz) | 271/286.8 (MCS11) | 4.71                             | 11.0                        | -6.29       |
|         | *5590           | 118         | ax-SU (40MHz) | 271/286.8 (MCS11) | 7.59                             | 11.0                        | -3.41       |
|         | 5710            | 142         | ax-SU (40MHz) | 271/286.8 (MCS11) | 7.56                             | 11.0                        | -3.44       |
|         | 5530            | 106         | ac (80MHz)    | 234/260 (MCS5)    | -4.68                            | 11.0                        | -15.68      |
|         | *5610           | 122         | ac (80MHz)    | 234/260 (MCS5)    | 2.02                             | 11.0                        | -8.98       |
|         | 5690            | 138         | ac (80MHz)    | 234/260 (MCS5)    | 1.17                             | 11.0                        | -9.83       |
|         | 5530            | 106         | ax-SU (80MHz) | 567/600.5 (MCS11) | -4.70                            | 11.0                        | -15.70      |
|         | *5610           | 122         | ax-SU (80MHz) | 567/600.5 (MCS11) | -0.12                            | 11.0                        | -11.12      |
|         | 5690            | 138         | ax-SU (80MHz) | 567/600.5 (MCS11) | 4.93                             | 11.0                        | -6.07       |

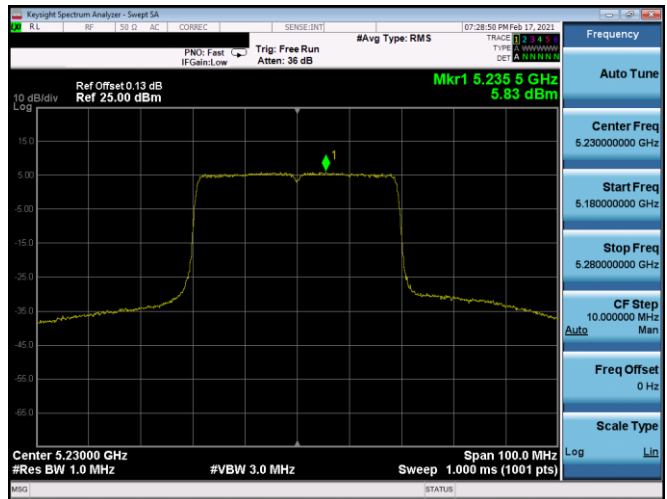
**Table 7-103. Power Spectral Density Measurements Antenna 5B (High Data Rate)**

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

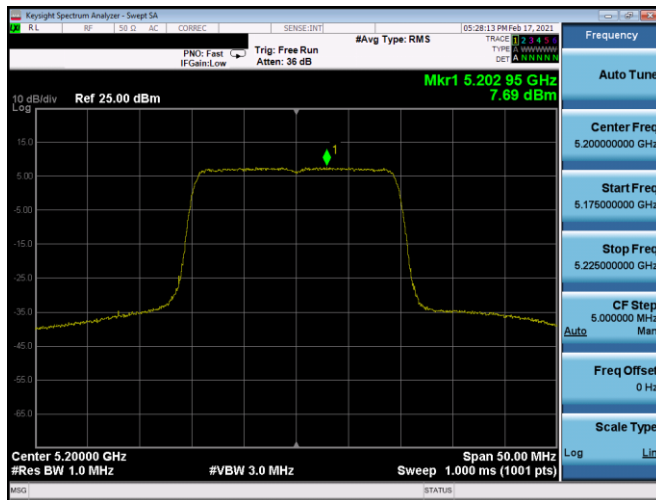
|                                         |                                                                                                                                                                                                              |                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378      |  <b>PCTEST</b><br>Proud to be part of  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020004-08.BCG | Test Dates:<br>02/15/2021 - 3/16/2021                                                                                                                                                                        | EUT Type:<br>Tablet Device            | Page 107 of 349                 |



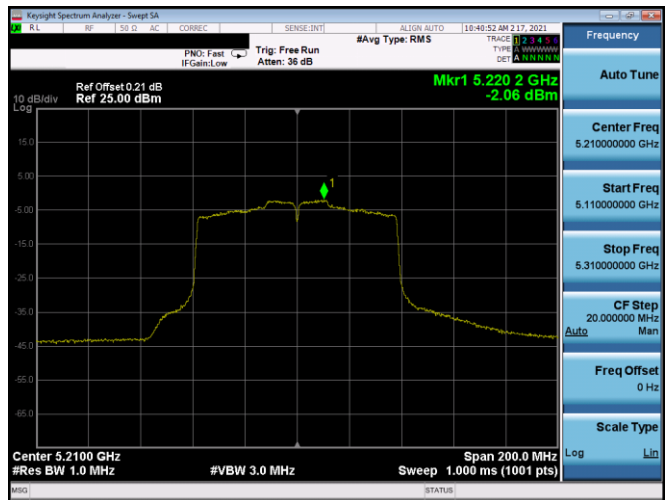
Plot 7-235. PSD Antenna 5B (20MHz BW 802.11n – Ch. 40, MCS0)



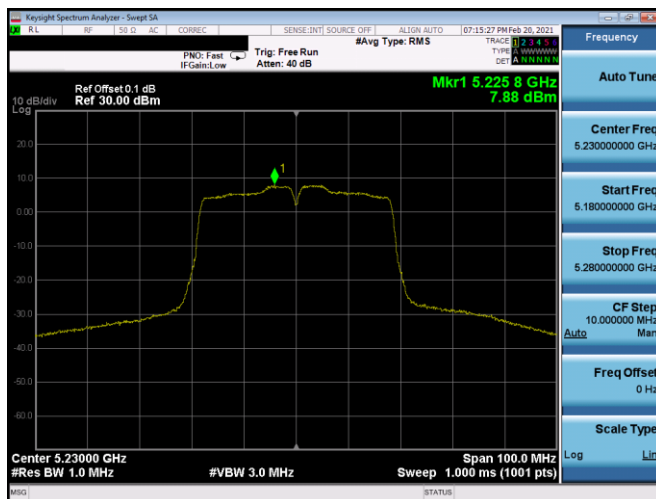
Plot 7-238. PSD Antenna 5B (40MHz BW 802.11ax(SU) – Ch. 46, MCS0)



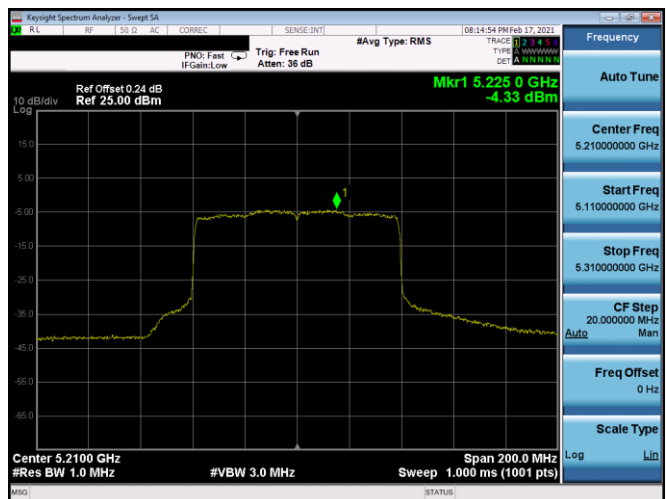
Plot 7-236. PSD Antenna 5B (20MHz BW 802.11ax(SU) – Ch. 40, MCS0)



Plot 7-239. PSD Antenna 5B (80MHz BW 802.11ac – Ch. 42, MCS0)

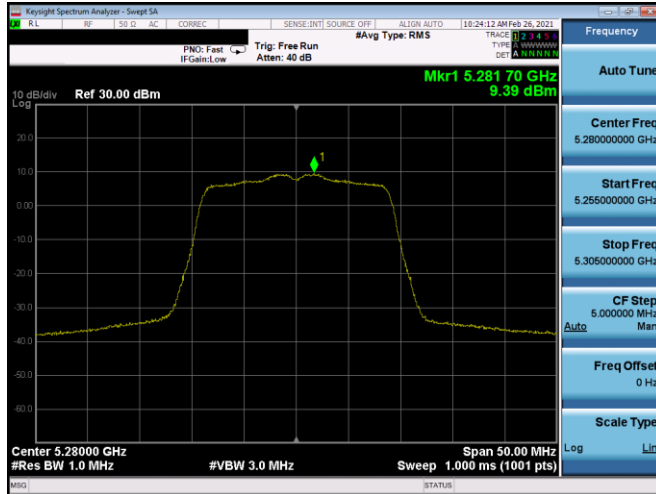


Plot 7-237. PSD Antenna 5B (40MHz BW 802.11n – Ch. 46, MCS0)

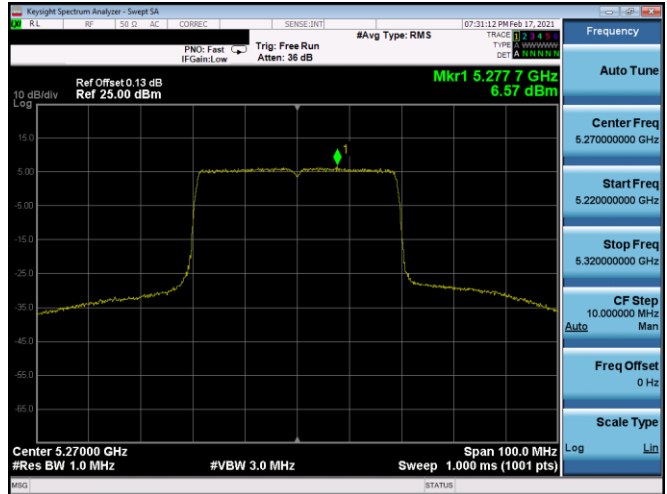


Plot 7-240. PSD Antenna 5B (80MHz BW 802.11ax(SU) – Ch. 42, MCS0)

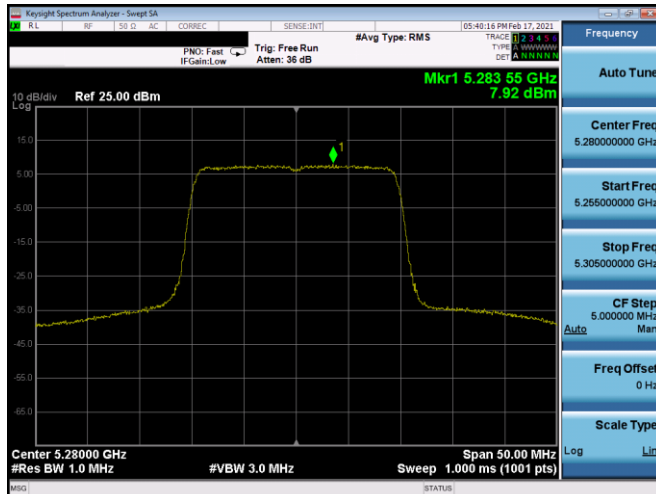
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378      | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020004-08.BCG | Test Dates:<br>02/15/2021 - 3/16/2021        | EUT Type:<br>Tablet Device            | Page 108 of 349                 |



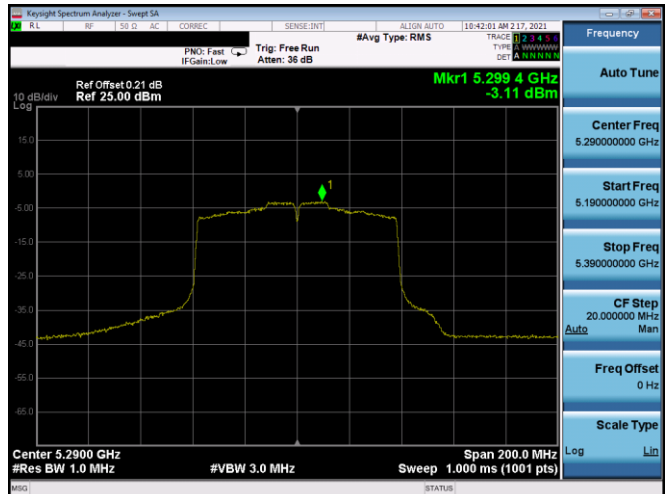
Plot 7-241. PSD Antenna 5B (20MHz BW 802.11n – Ch. 56, MCS0)



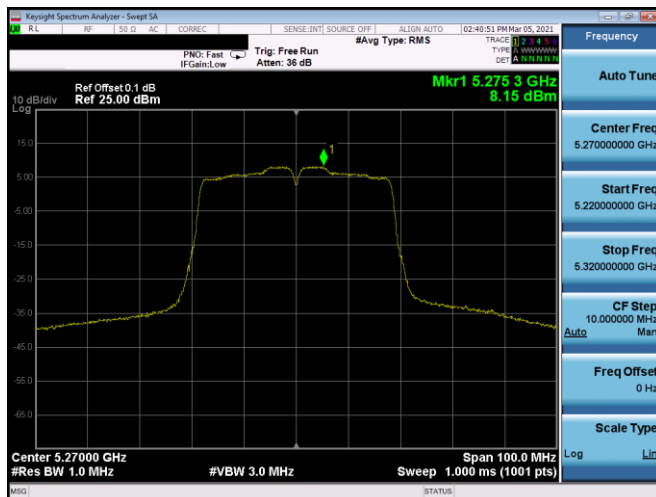
Plot 7-244. PSD Antenna 5B (40MHz BW 802.11ax(SU) – Ch. 54, MCS0)



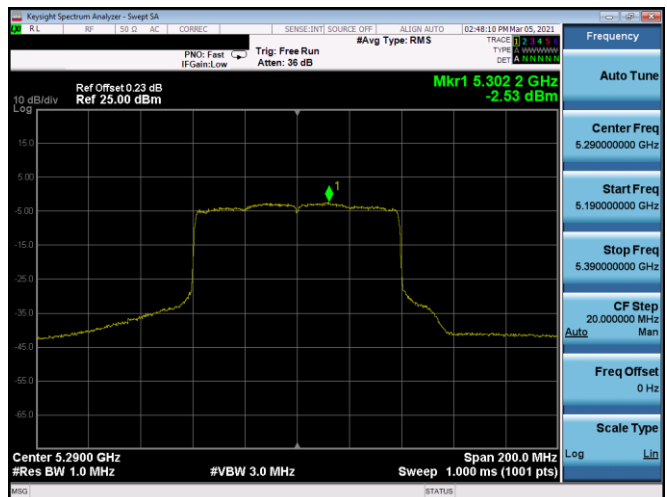
Plot 7-242. PSD Antenna 5B (20MHz BW 802.11ax(SU) – Ch. 56, MCS0)



Plot 7-245. PSD Antenna 5B (80MHz BW 802.11ac – Ch. 58, MCS0)

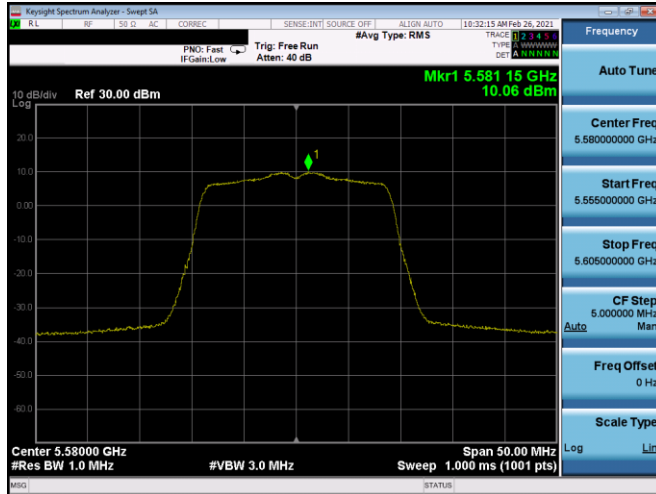


Plot 7-243. PSD Antenna 5B (40MHz BW 802.11n – Ch. 54, MCS0)

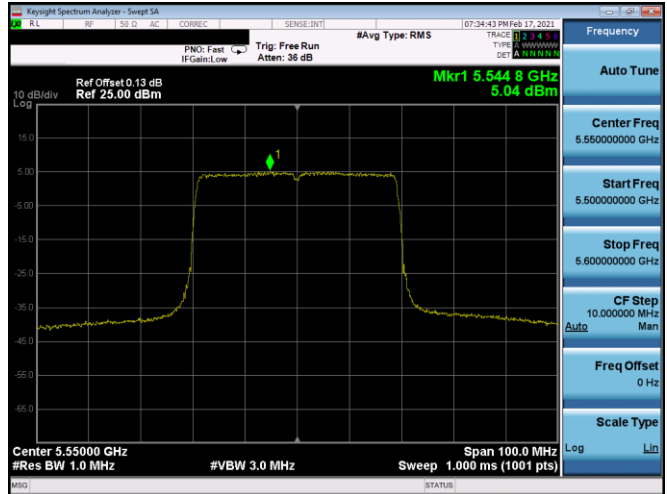


Plot 7-246. PSD Antenna 5B (80MHz BW 802.11ax(SU) – Ch. 58, MCS0)

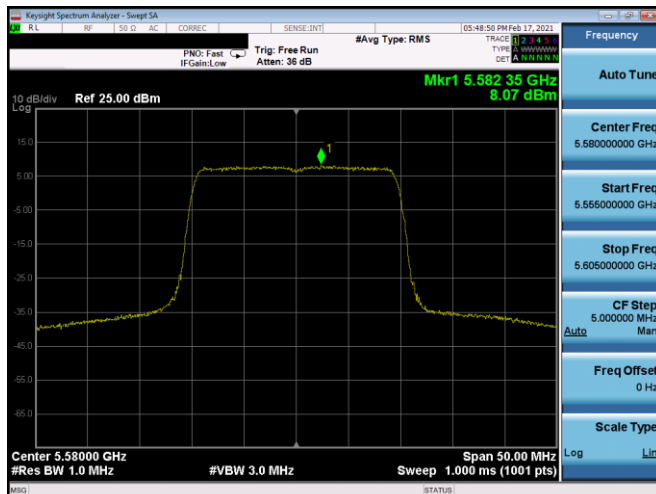
|                                                |                                              |                                                     |                                        |
|------------------------------------------------|----------------------------------------------|-----------------------------------------------------|----------------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378             |                                              | <b>MEASUREMENT REPORT</b><br><b>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2101020004-08.BCG | <b>Test Dates:</b><br>02/15/2021 - 3/16/2021 | <b>EUT Type:</b><br>Tablet Device                   | Page 109 of 349                        |



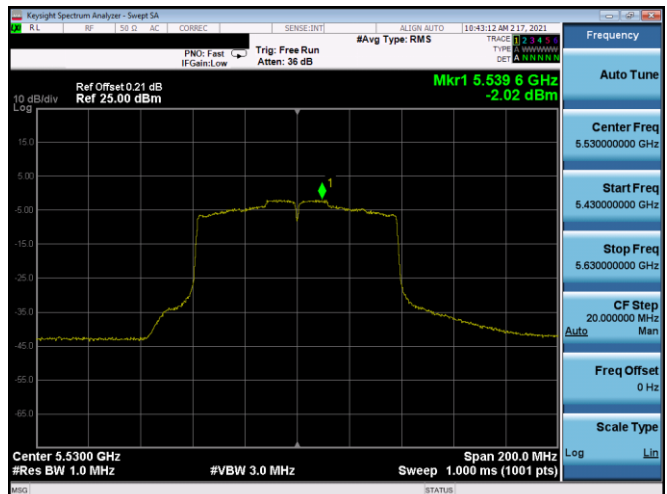
Plot 7-247. PSD Antenna 5B (20MHz BW 802.11n – Ch. 116, MCS0)



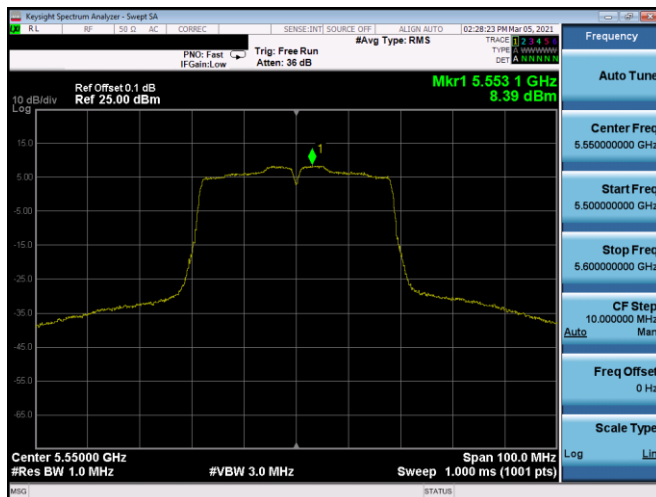
Plot 7-250. PSD Antenna 5B (40MHz BW 802.11ax(SU) – Ch. 110, MCS0)



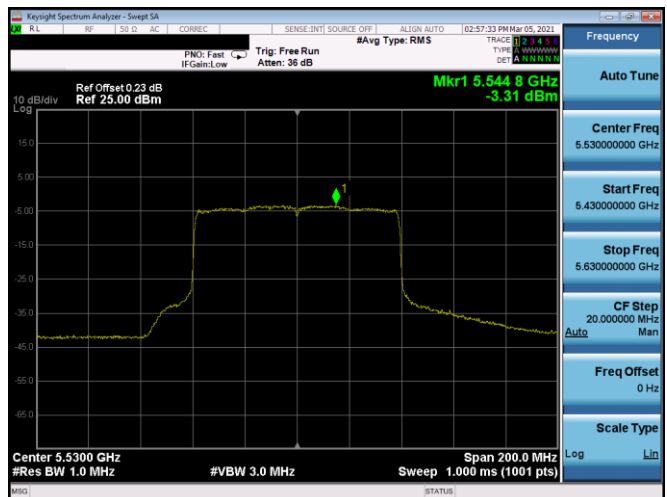
Plot 7-248. PSD Antenna 5B (20MHz BW 802.11ax(SU) – Ch. 116, MCS0)



Plot 7-251. PSD Antenna 5B (80MHz BW 802.11ac – Ch. 106, MCS0)

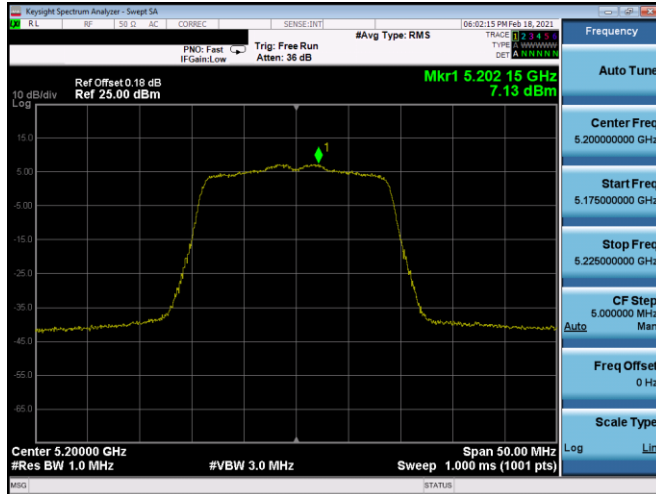


Plot 7-249. PSD Antenna 5B (40MHz BW 802.11n – Ch. 110, MCS0)

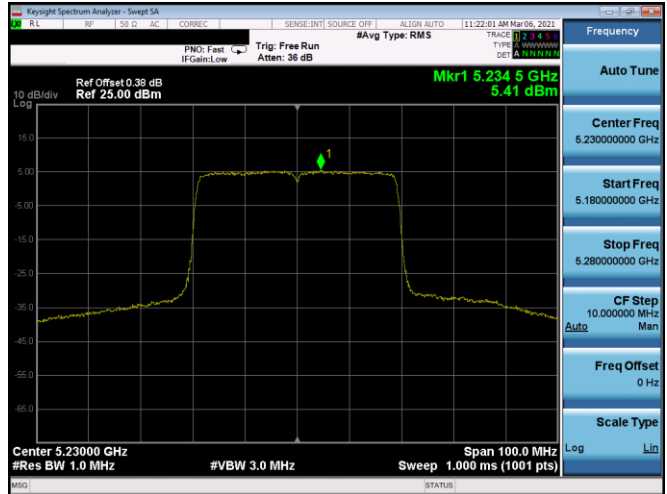


Plot 7-252. PSD Antenna 5B (80MHz BW 802.11ax(SU) – Ch. 106, MCS0)

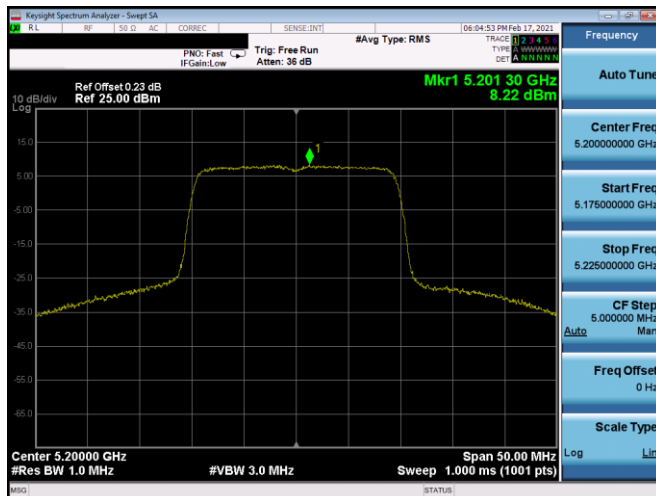
|                                                |                                              |                                                     |                                        |
|------------------------------------------------|----------------------------------------------|-----------------------------------------------------|----------------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378             |                                              | <b>MEASUREMENT REPORT</b><br><b>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2101020004-08.BCG | <b>Test Dates:</b><br>02/15/2021 - 3/16/2021 | <b>EUT Type:</b><br>Tablet Device                   | Page 110 of 349                        |



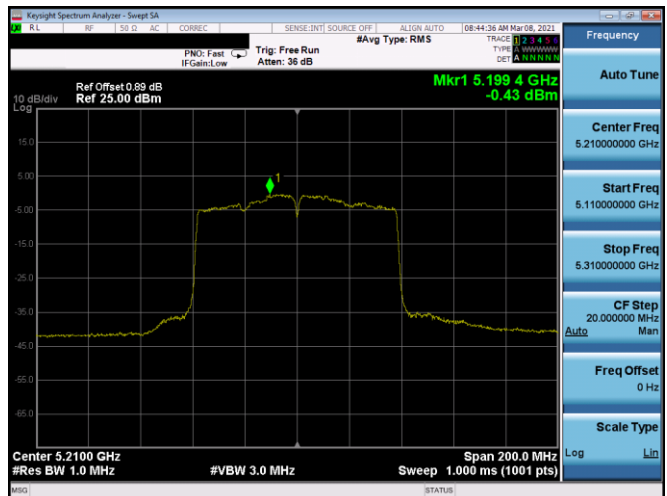
Plot 7-253. PSD Antenna 5B (20MHz BW 802.11n – Ch. 40, MCS3)



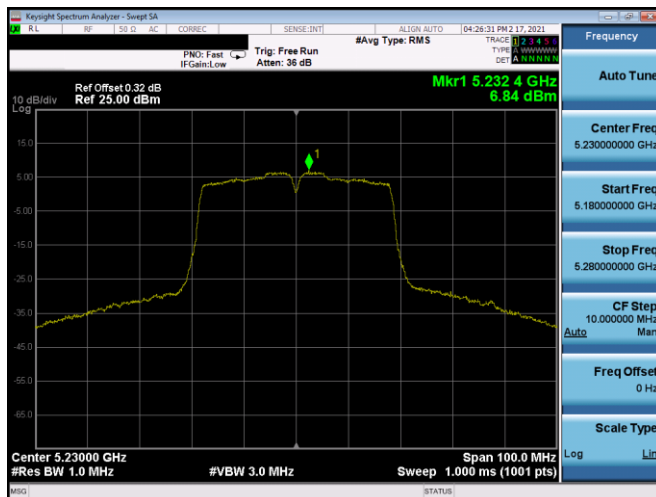
Plot 7-256. PSD Antenna 5B (40MHz BW 802.11ax(SU) – Ch. 46, MCS3)



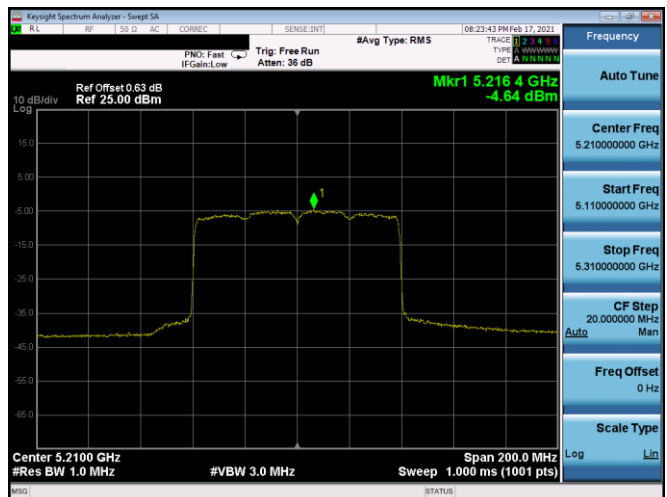
Plot 7-254. PSD Antenna 5B (20MHz BW 802.11ax(SU) – Ch. 40, MCS3)



Plot 7-257. PSD Antenna 5B (80MHz BW 802.11ac – Ch. 42, MCS3)

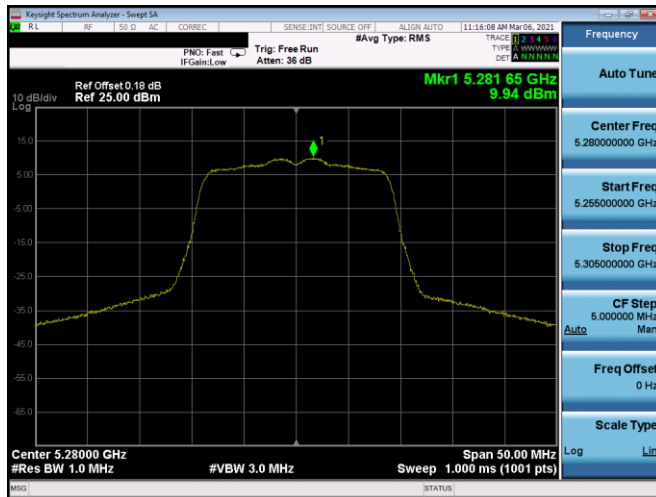


Plot 7-255. PSD Antenna 5B (40MHz BW 802.11n – Ch. 46, MCS3)

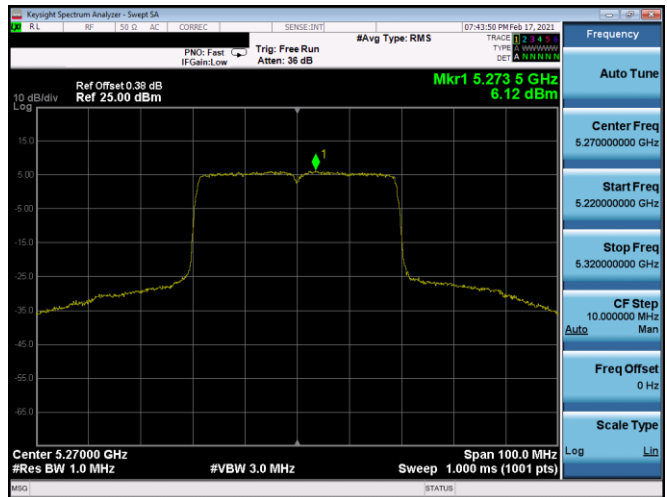


Plot 7-258. PSD Antenna 5B (80MHz BW 802.11ax(SU) – Ch. 42, MCS3)

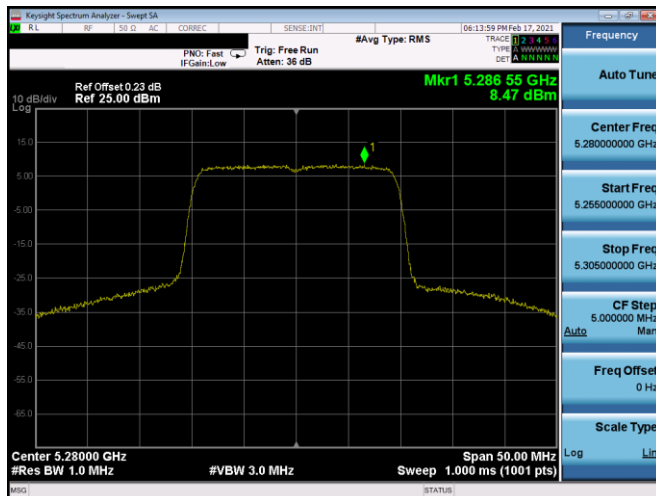
|                                                |                                              |                                              |                                        |
|------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378             |                                              | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2101020004-08.BCG | <b>Test Dates:</b><br>02/15/2021 - 3/16/2021 | <b>EUT Type:</b><br>Tablet Device            | Page 111 of 349                        |



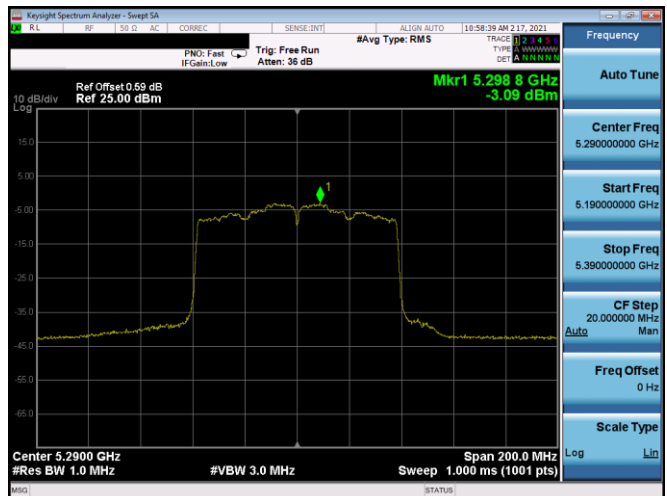
Plot 7-259. PSD Antenna 5B (20MHz BW 802.11n – Ch. 56, MCS3)



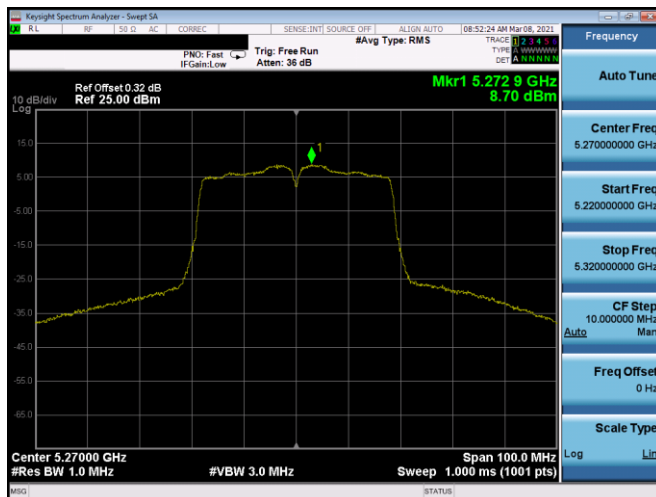
Plot 7-262. PSD Antenna 5B (40MHz BW 802.11ax(SU) – Ch. 54, MCS3)



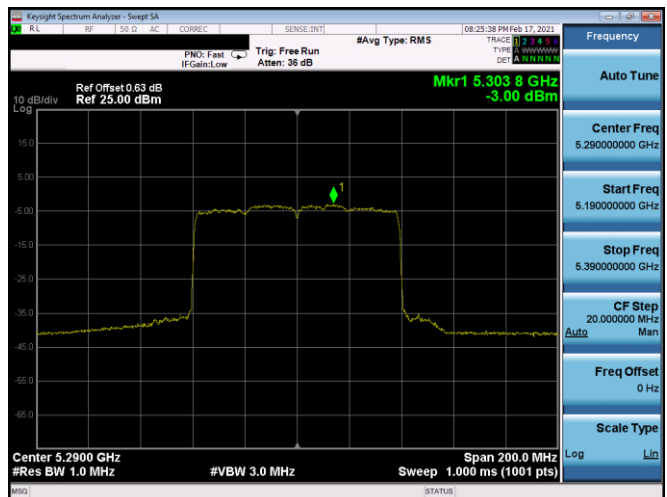
Plot 7-260. PSD Antenna 5B (20MHz BW 802.11ax(SU) – Ch. 56, MCS3)



Plot 7-263. PSD Antenna 5B (80MHz BW 802.11ac – Ch. 58, MCS3)

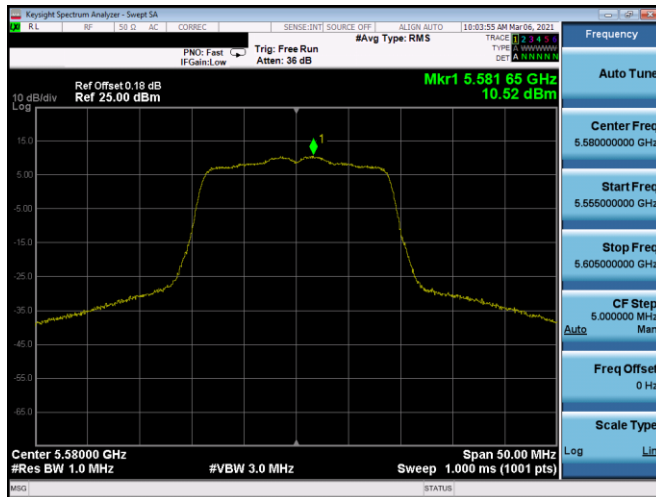


Plot 7-261. PSD Antenna 5B (40MHz BW 802.11n – Ch. 54, MCS3)

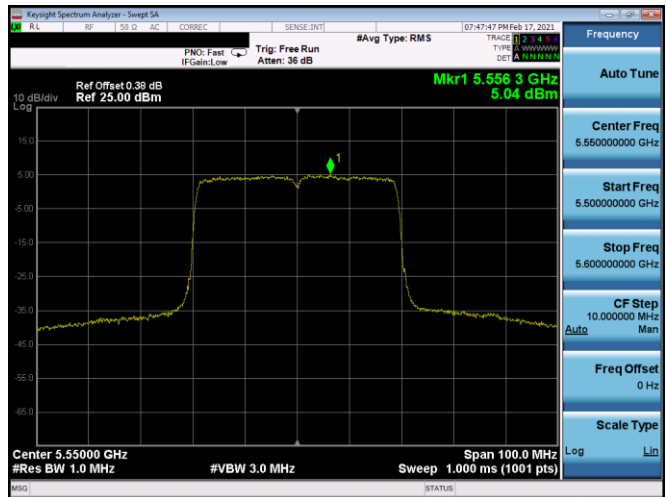


Plot 7-264. PSD Antenna 5B (80MHz BW 802.11ax(SU) – Ch. 58, MCS3)

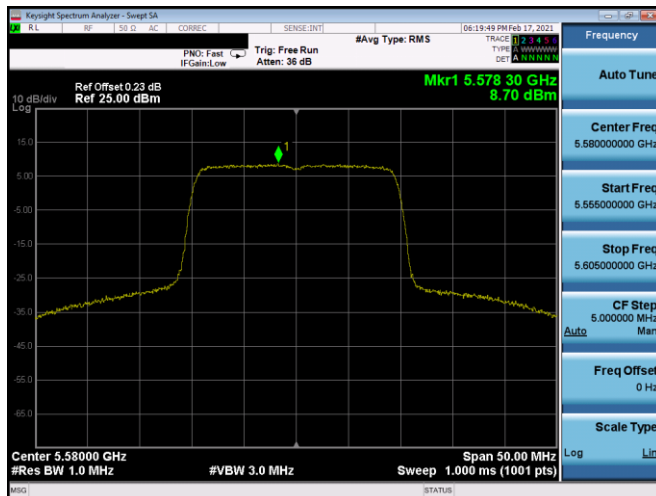
|                                                |                                              |                                                     |                                        |
|------------------------------------------------|----------------------------------------------|-----------------------------------------------------|----------------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378             |                                              | <b>MEASUREMENT REPORT</b><br><b>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2101020004-08.BCG | <b>Test Dates:</b><br>02/15/2021 - 3/16/2021 | <b>EUT Type:</b><br>Tablet Device                   | Page 112 of 349                        |



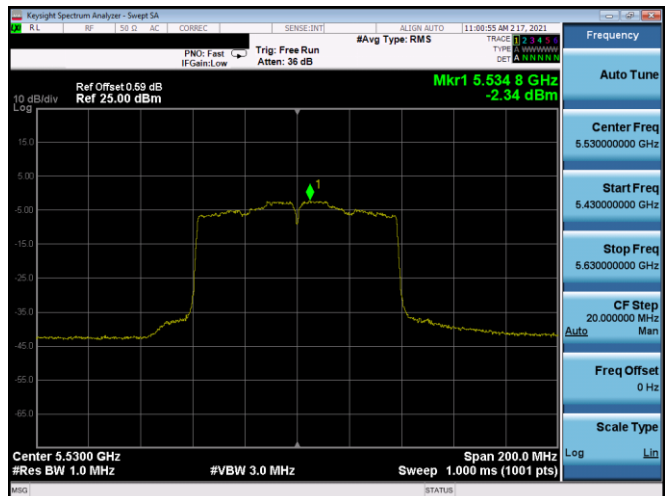
Plot 7-265. PSD Antenna 5B (20MHz BW 802.11n – Ch. 116, MCS3)



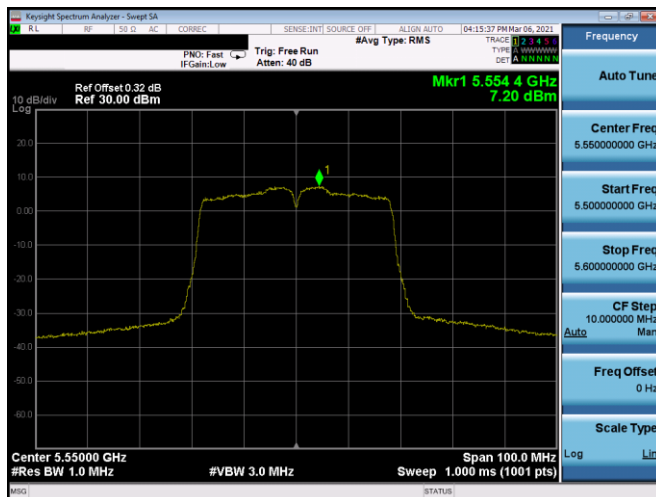
Plot 7-268. PSD Antenna 5B (40MHz BW 802.11ax(SU) – Ch. 110, MCS3)



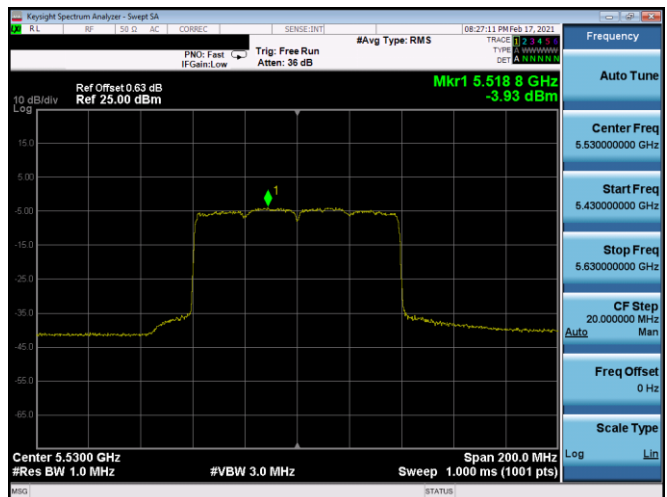
Plot 7-266. PSD Antenna 5B (20MHz BW 802.11ax(SU) – Ch. 116, MCS3)



Plot 7-269. PSD Antenna 5B (80MHz BW 802.11ac – Ch. 106, MCS3)



Plot 7-267. PSD Antenna 5B (40MHz BW 802.11n – Ch. 110, MCS3)



Plot 7-270. PSD Antenna 5B (80MHz BW 802.11ax(SU) – Ch. 106, MCS3)

|                                                |                                              |                                                     |                                        |
|------------------------------------------------|----------------------------------------------|-----------------------------------------------------|----------------------------------------|
| FCC ID: BCGA2378<br>IC: 579C-A2378             |                                              | <b>MEASUREMENT REPORT</b><br><b>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2101020004-08.BCG | <b>Test Dates:</b><br>02/15/2021 - 3/16/2021 | <b>EUT Type:</b><br>Tablet Device                   | Page 113 of 349                        |