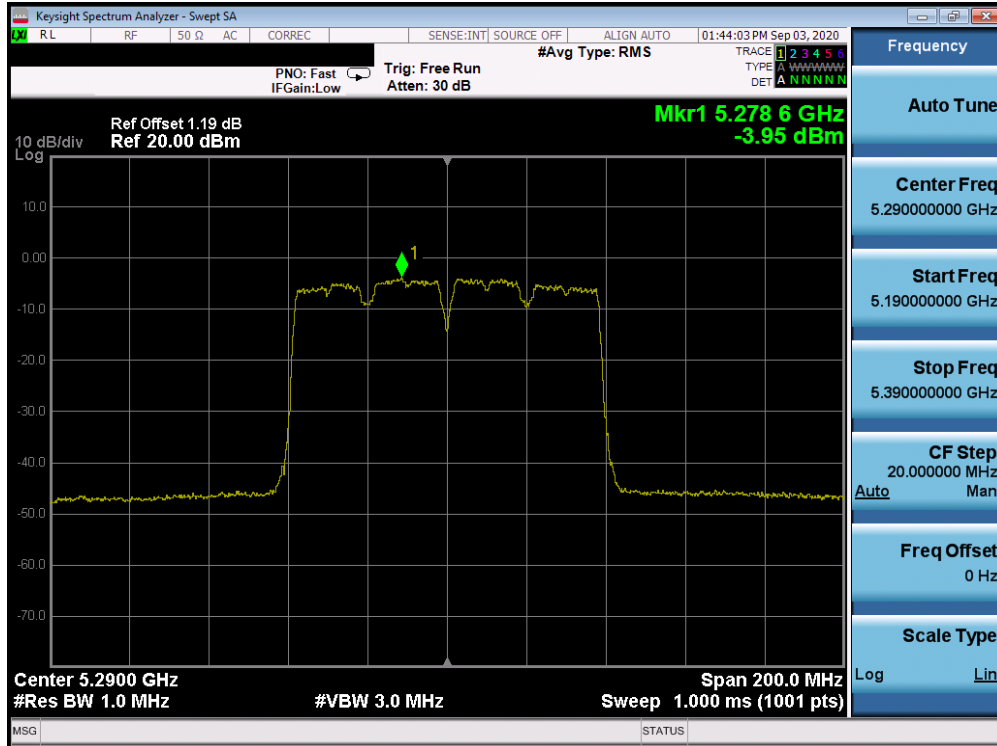
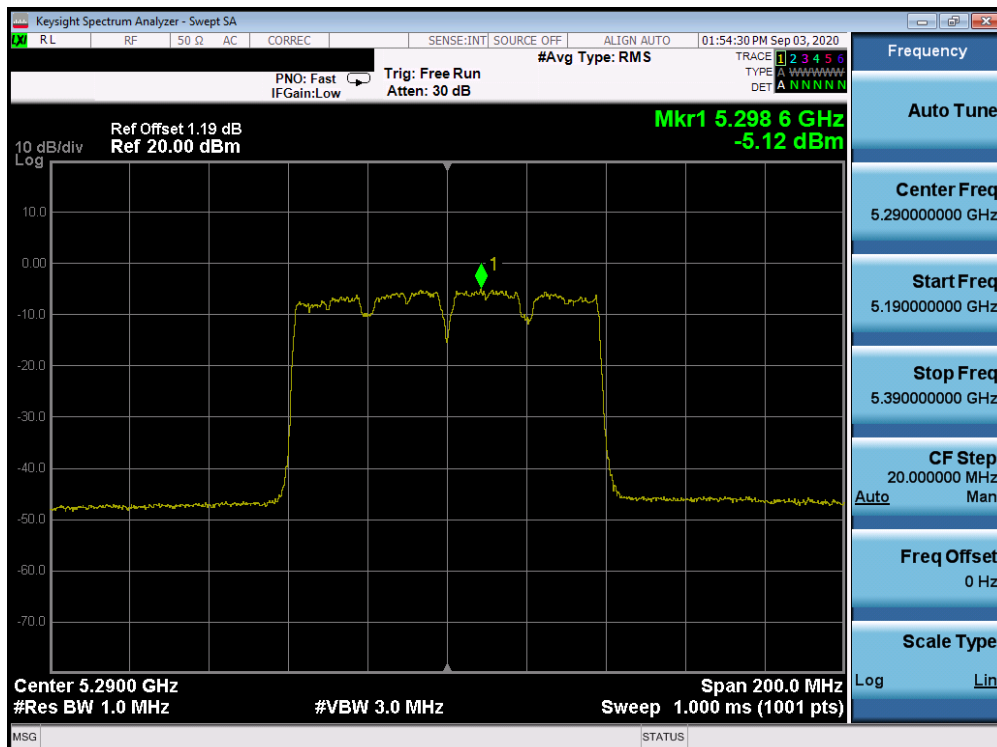


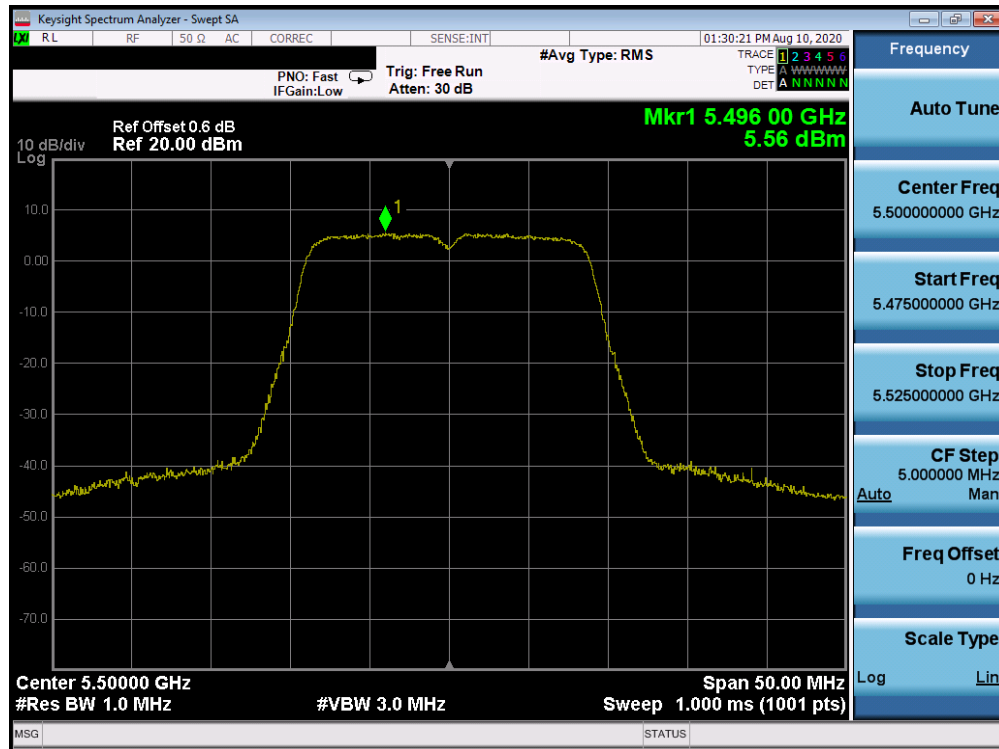


Plot 7-207. Power Spectral Density Plot CDD Primary Antenna 2b (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

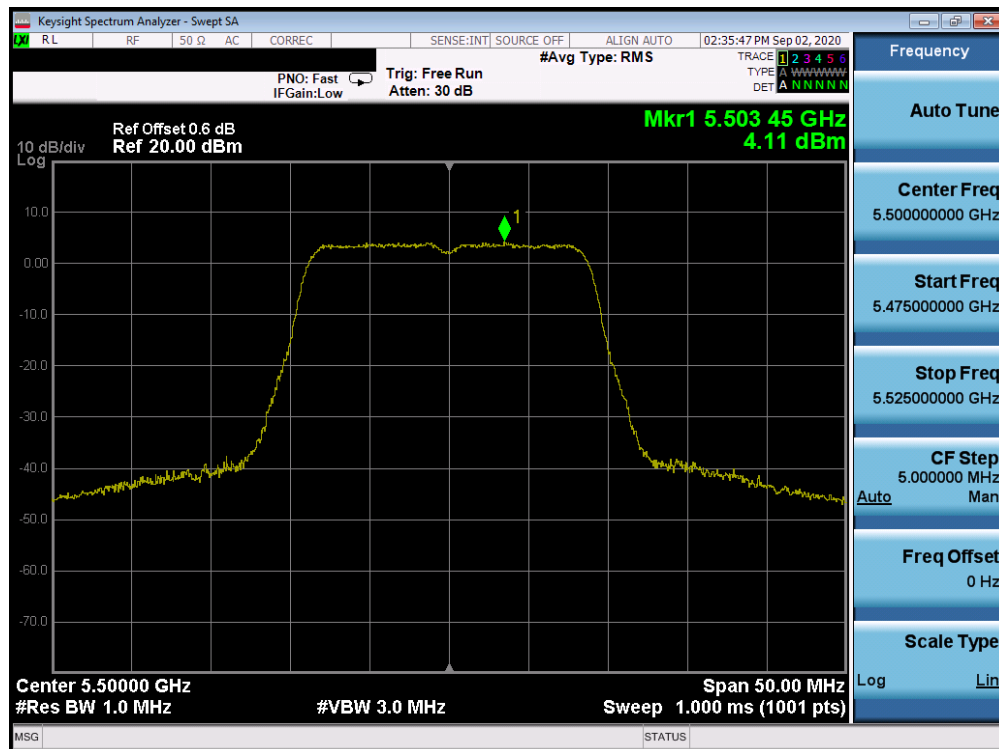


Plot 7-208. Power Spectral Density Plot CDD Primary Antenna 2a (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 148 of 344                 |

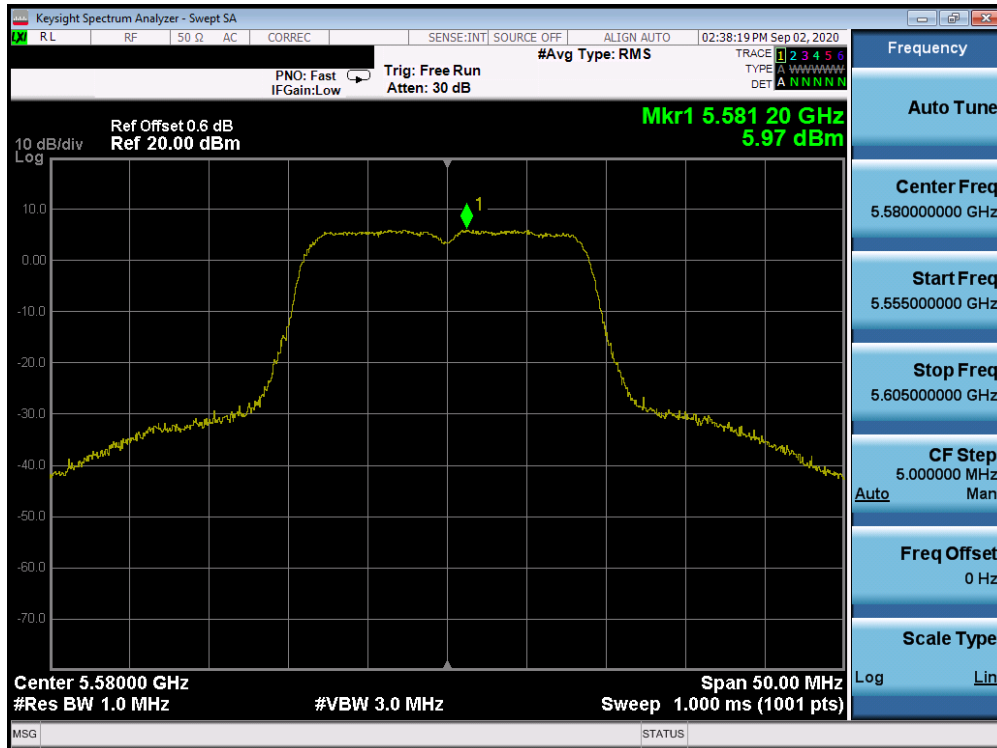


Plot 7-209. Power Spectral Density Plot CDD Primary Antenna 2b (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

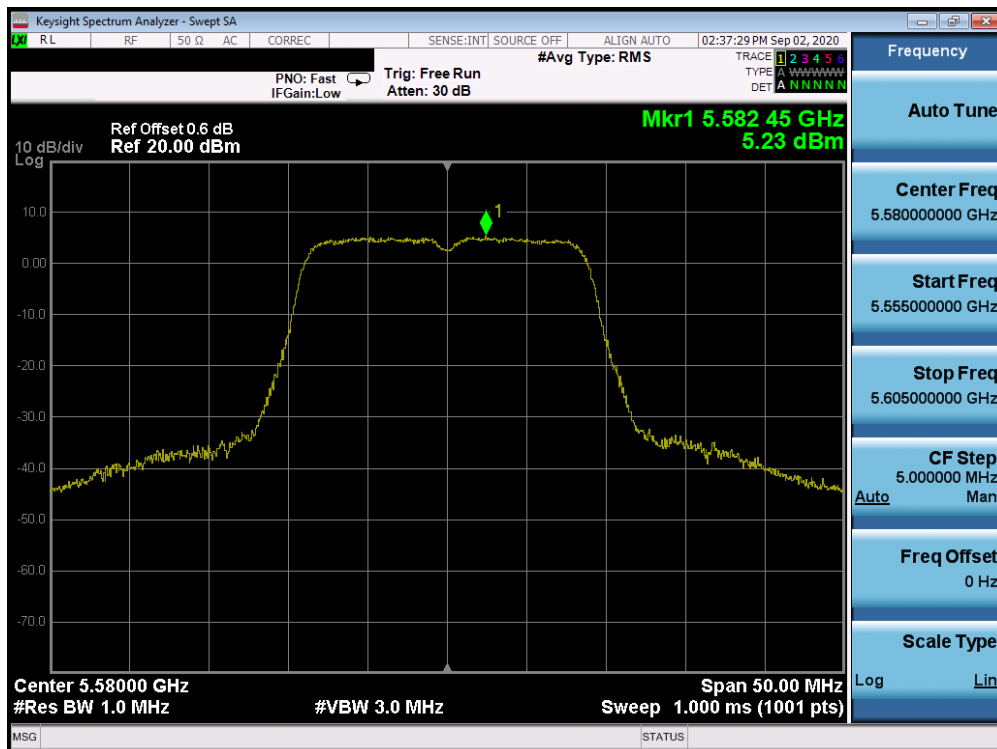


Plot 7-210. Power Spectral Density Plot CDD Primary Antenna 2a (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 149 of 344                 |

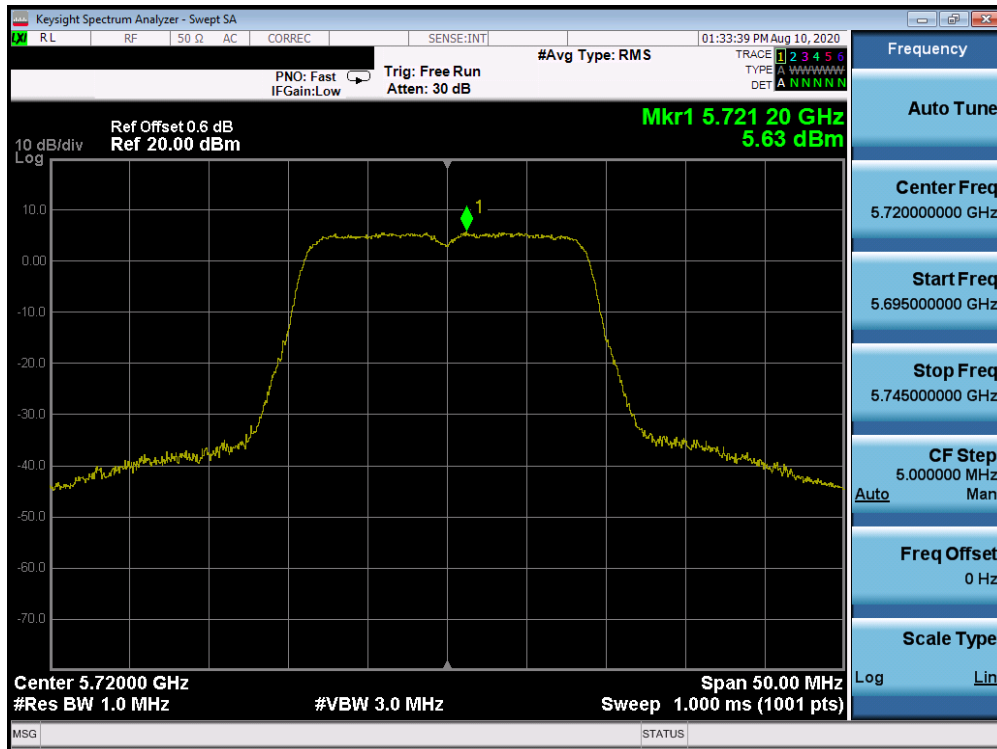


Plot 7-211. Power Spectral Density Plot CDD Antenna 2b (20MHz BW 802.11n (UNII Band 2C) – Ch. 116

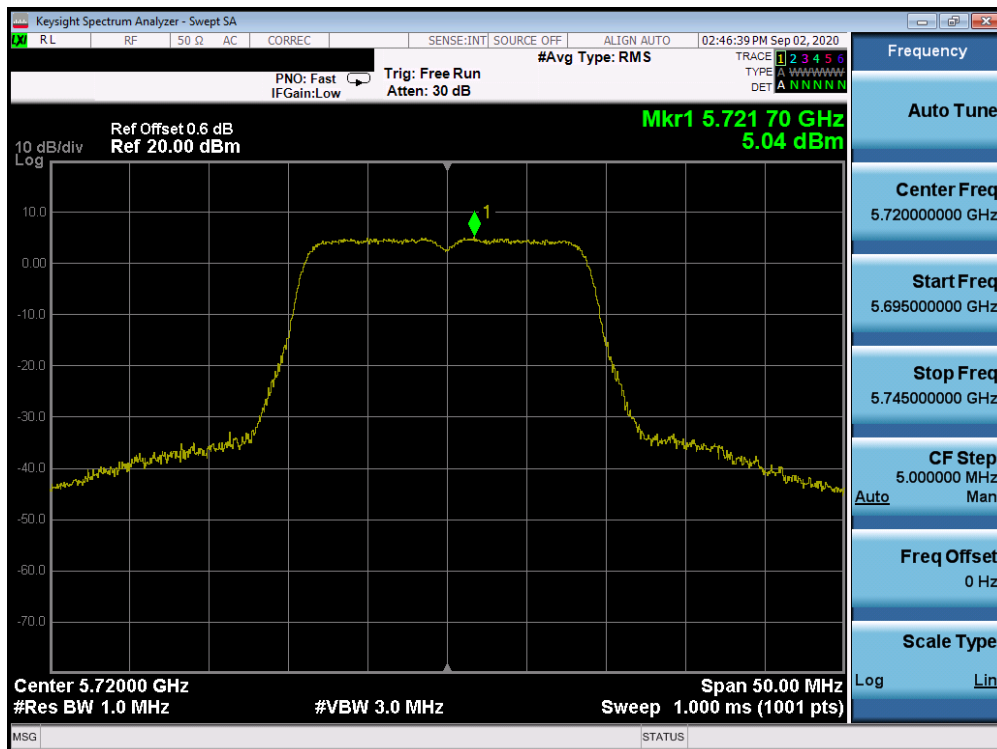


Plot 7-212. Power Spectral Density Plot CDD Primary Antenna 2a (20MHz BW 802.11n (UNII Band 2C) – Ch. 116)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 150 of 344                 |

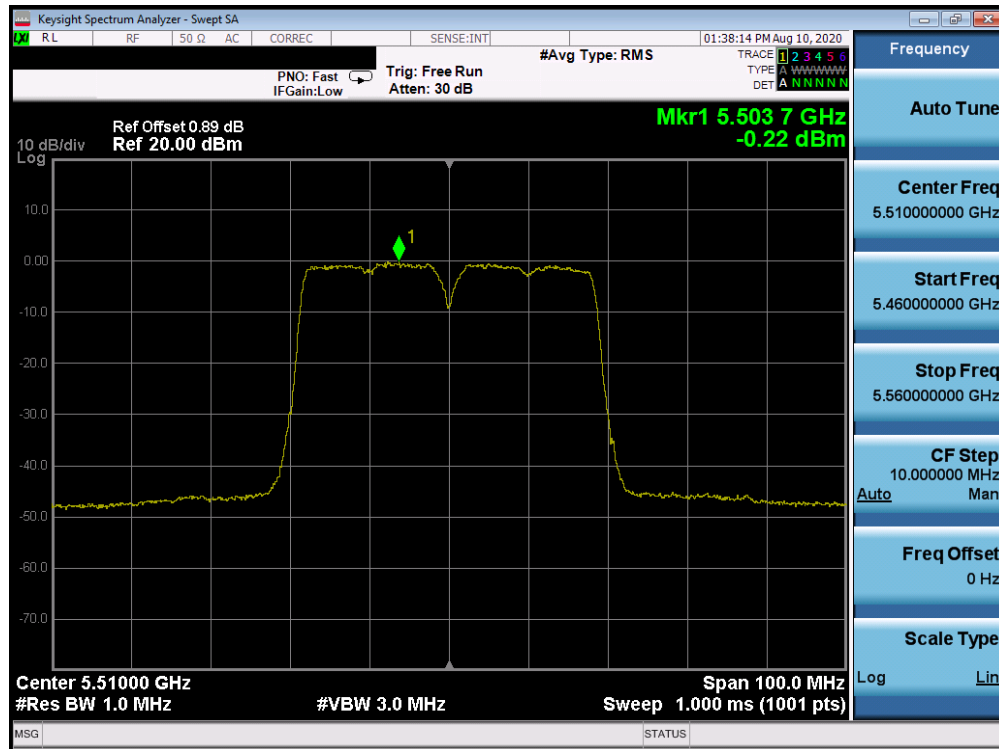


Plot 7-213. Power Spectral Density Plot CDD Primary Antenna 2b (20MHz BW 802.11n (UNII Band 2C) – Ch. 144

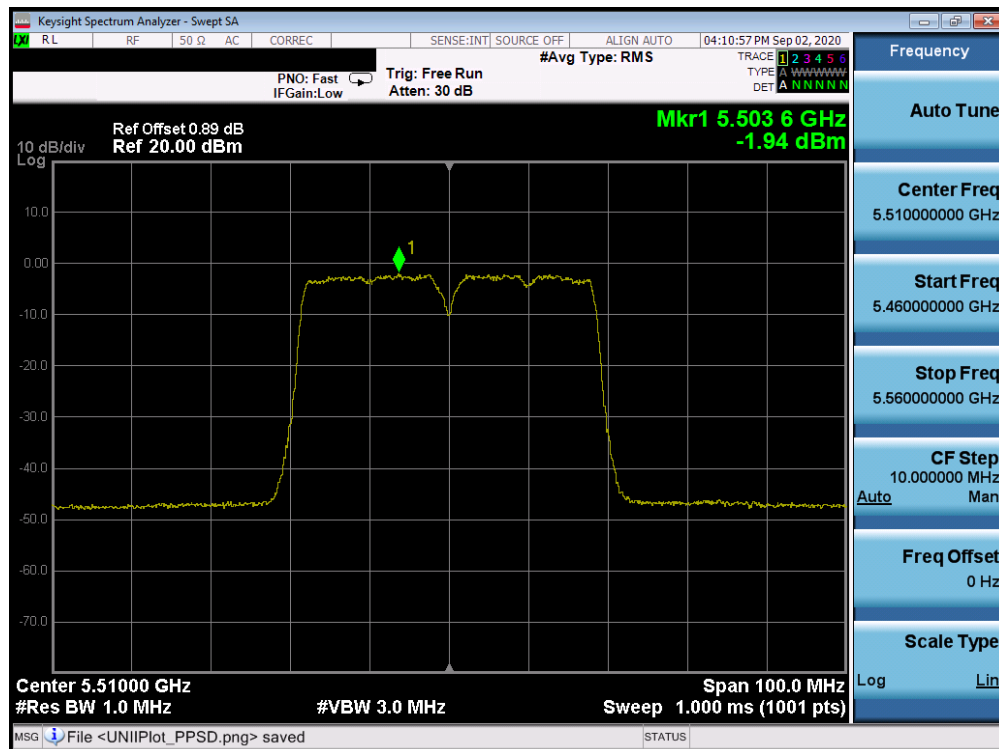


Plot 7-214. Power Spectral Density Plot CDD Primary Antenna 2a (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 151 of 344                 |

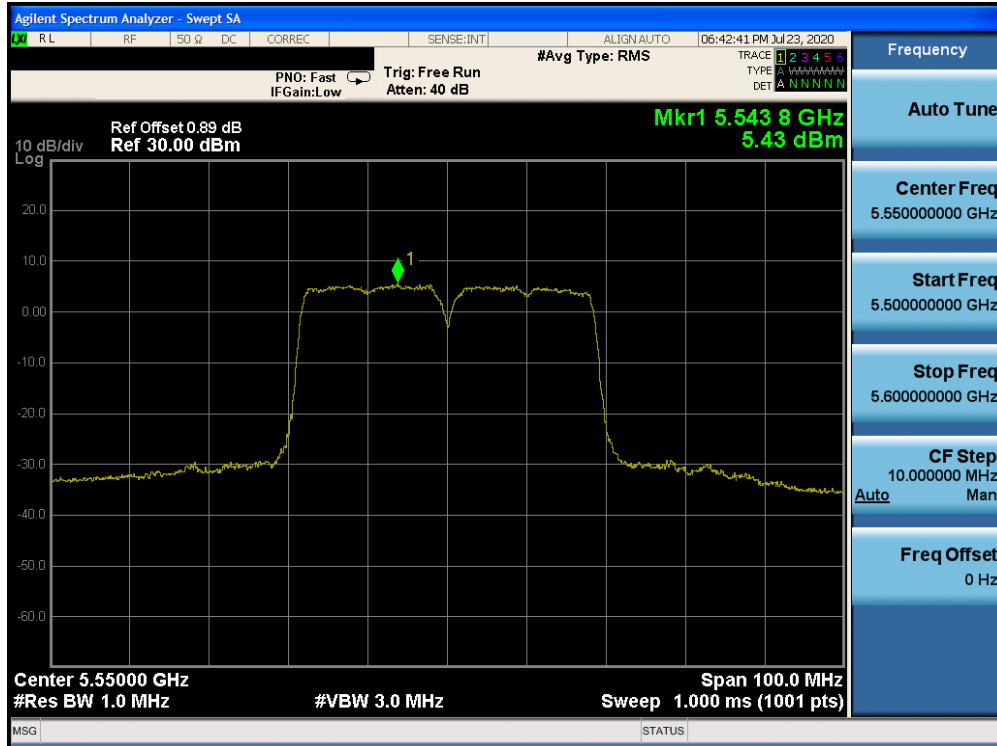


Plot 7-215. Power Spectral Density Plot CDD Primary Antenna 2b (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

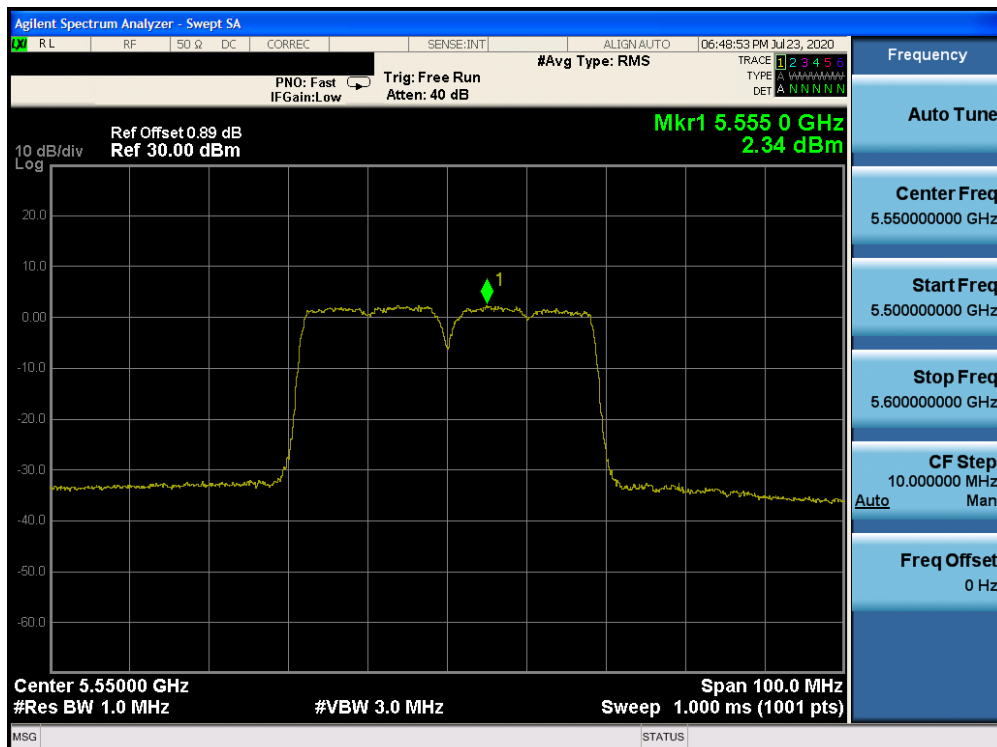


Plot 7-216. Power Spectral Density Plot CDD Primary Antenna 2a (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 152 of 344                 |

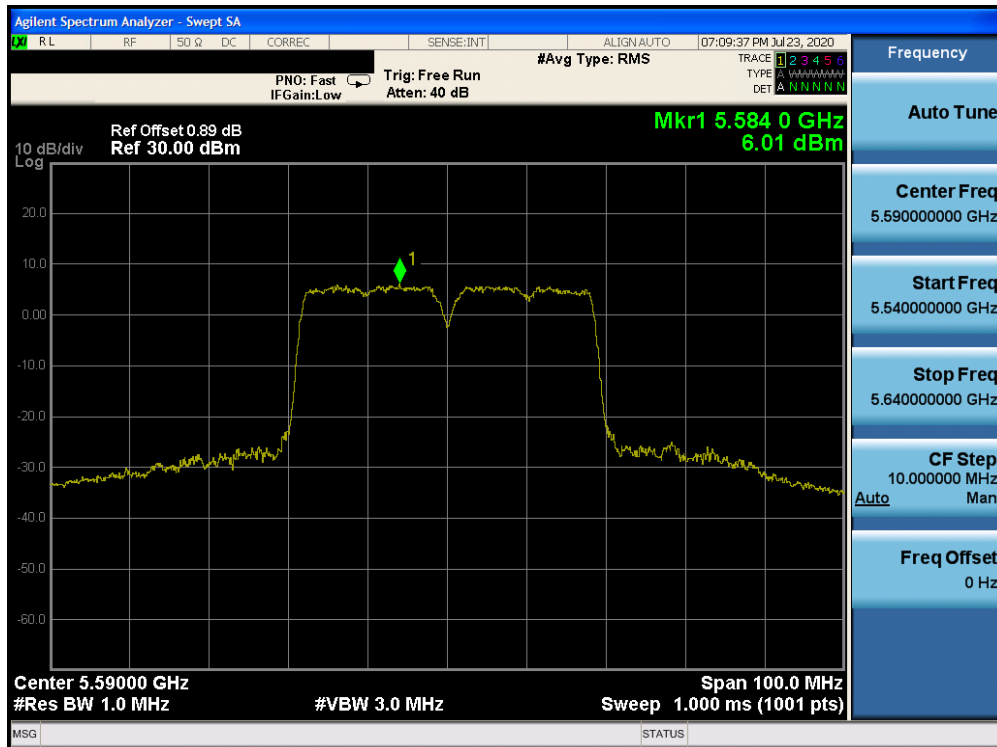


Plot 7-217. Power Spectral Density Plot CDD Primary Antenna 2b (40MHz BW 802.11n (UNII Band 2C) – Ch. 110)

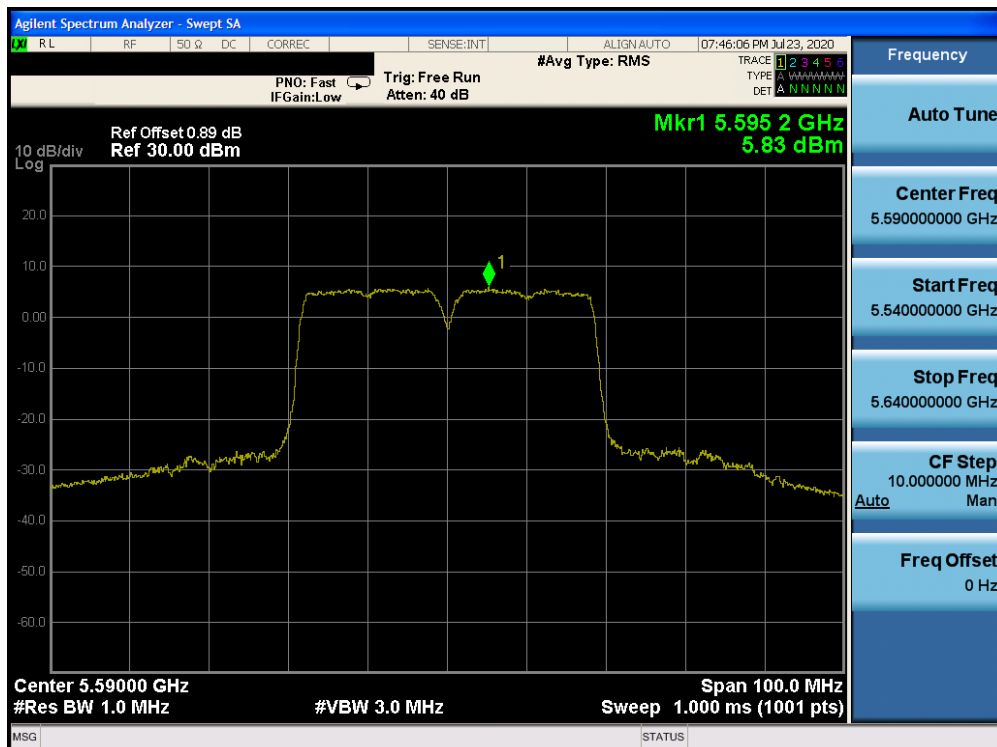


Plot 7-218. Power Spectral Density Plot CDD Primary Antenna 2a (40MHz BW 802.11n (UNII Band 2C) – Ch. 110)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 153 of 344                 |

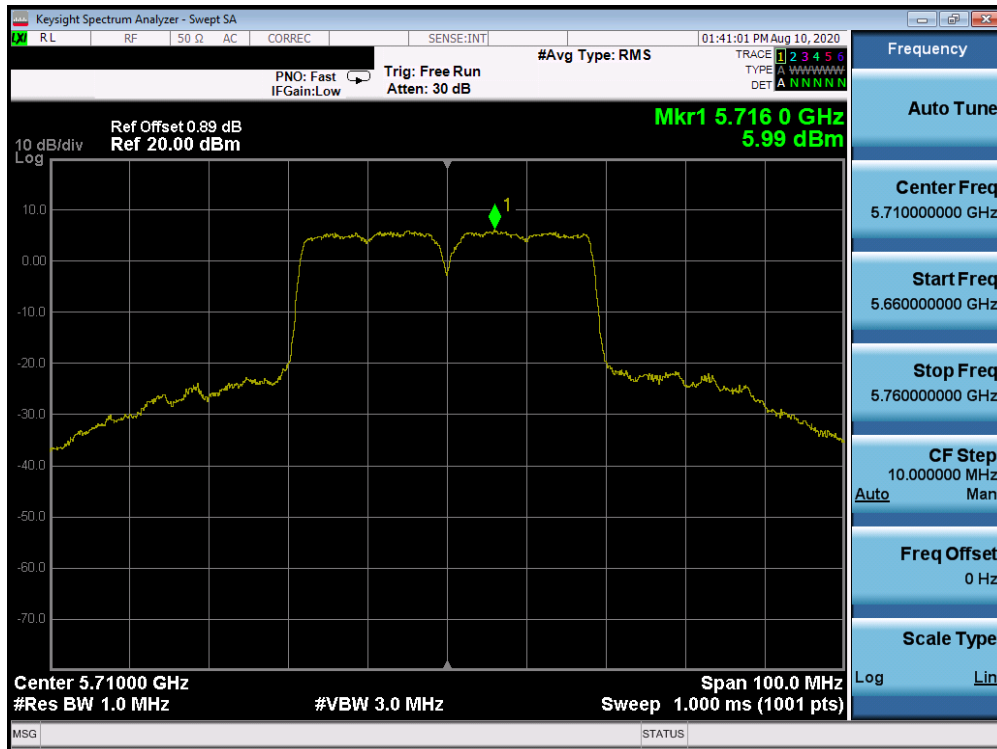


Plot 7-219. Power Spectral Density Plot CDD Primary Antenna 2b (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

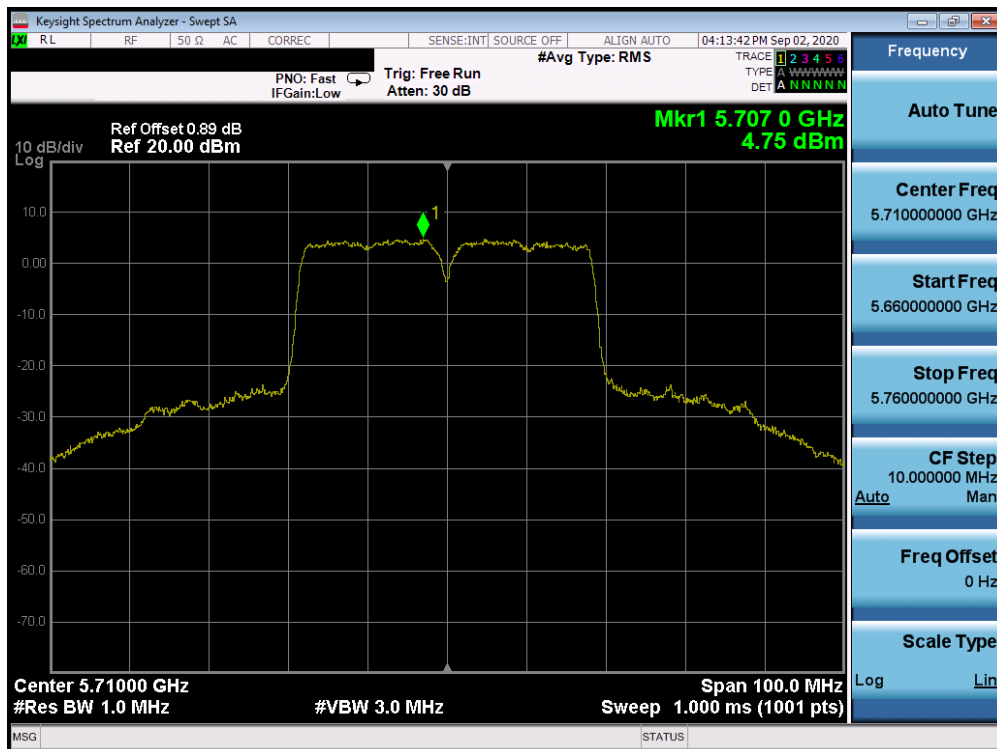


Plot 7-220. Power Spectral Density Plot CDD Primary Antenna 2a (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 154 of 344                 |



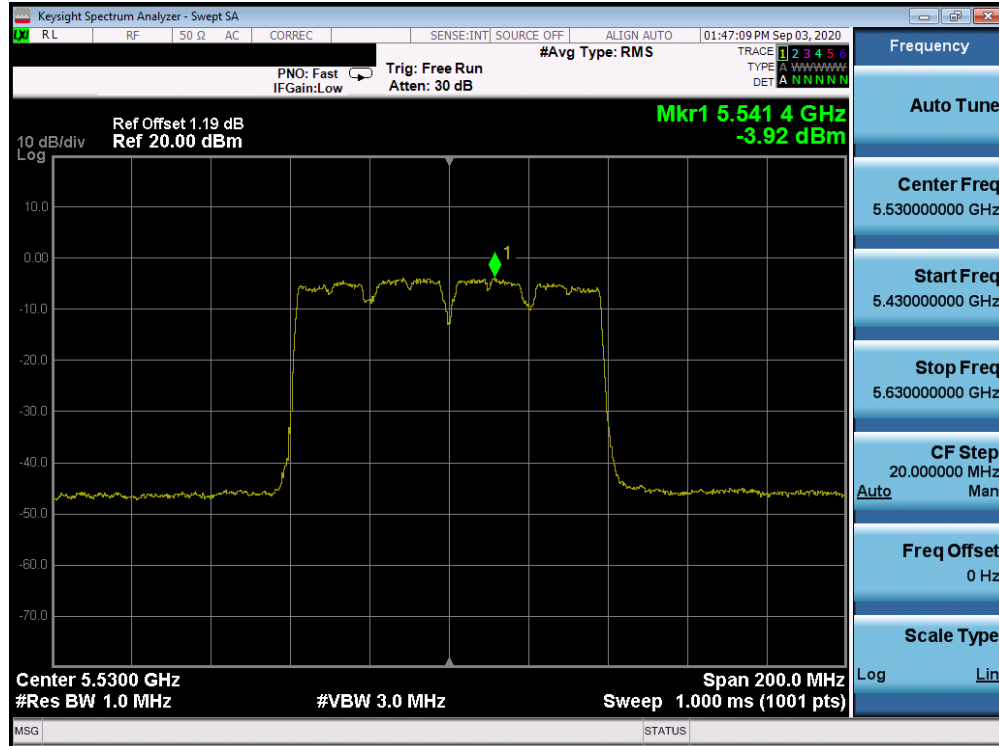
Plot 7-221. Power Spectral Density Plot CDD Primary Antenna 2b (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)



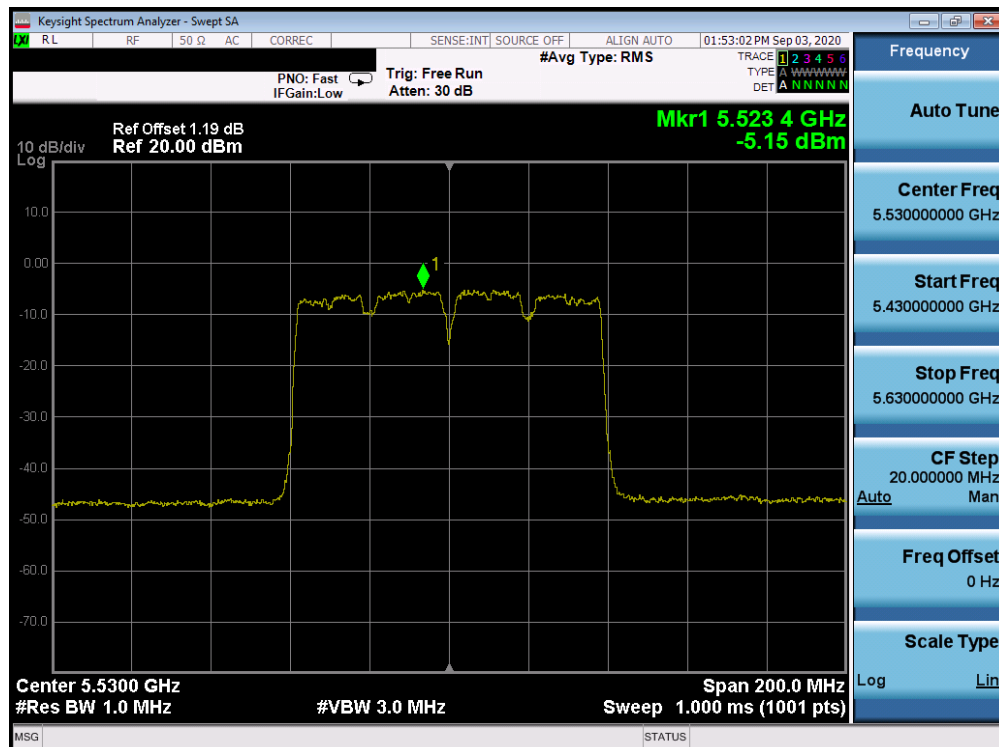
Plot 7-222. Power Spectral Density Plot CDD Primary Antenna 2a (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 155 of 344                 |



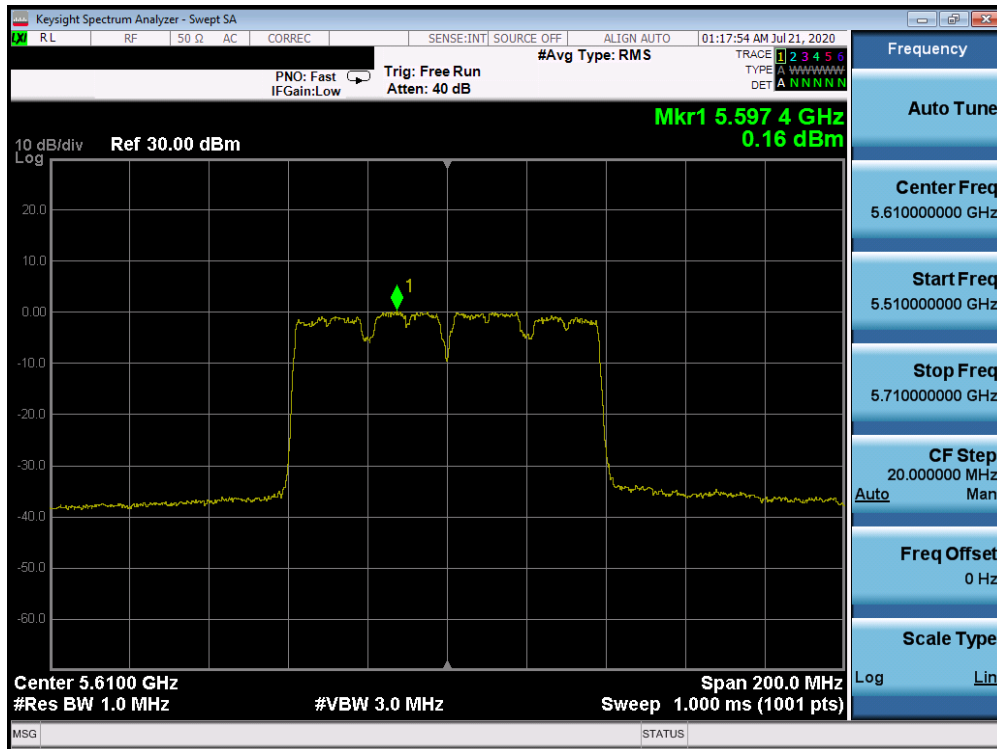


Plot 7-223. Power Spectral Density Plot CDD Primary Antenna 2b (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

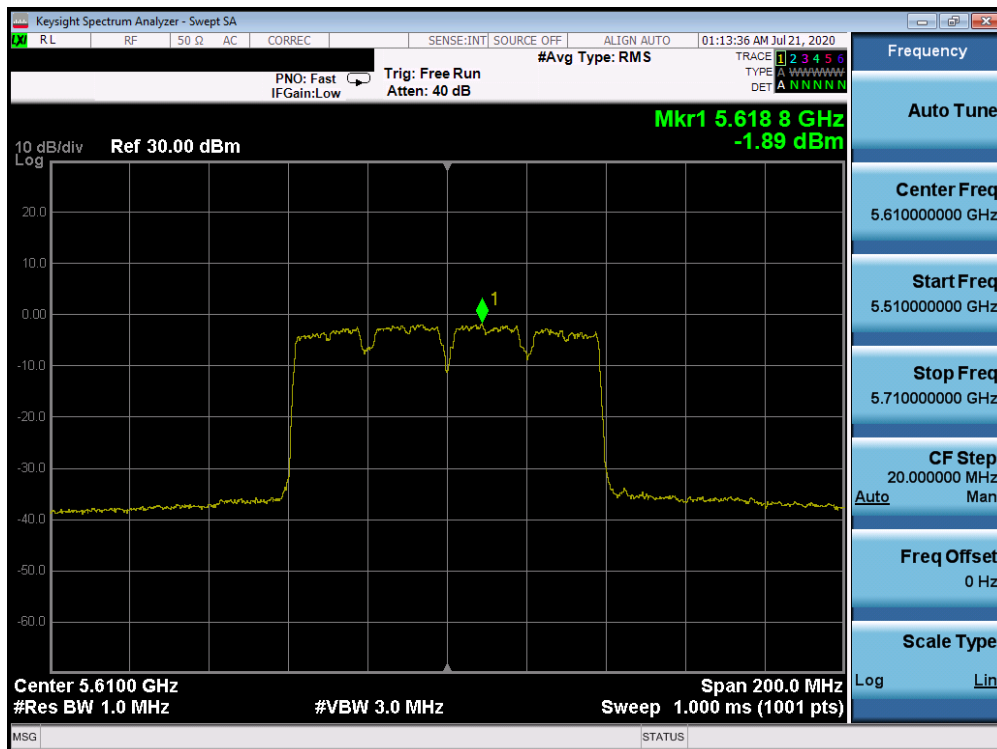


Plot 7-224. Power Spectral Density Plot CDD Primary Antenna 2a (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 156 of 344                 |

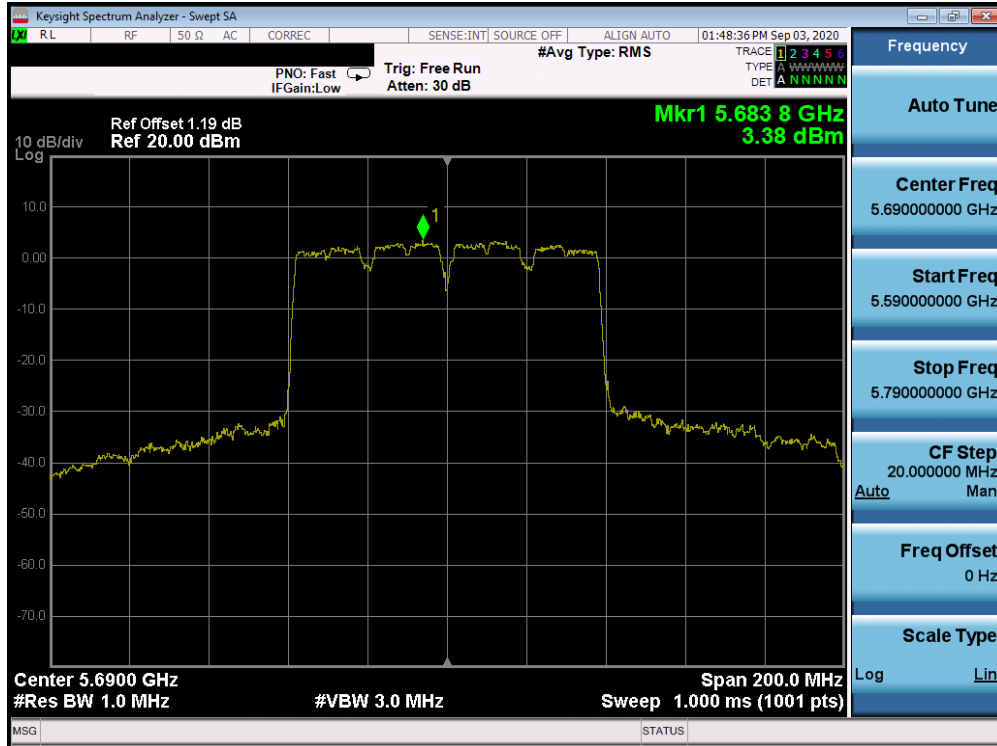


Plot 7-225. Power Spectral Density Plot CDD Primary Antenna 2b (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

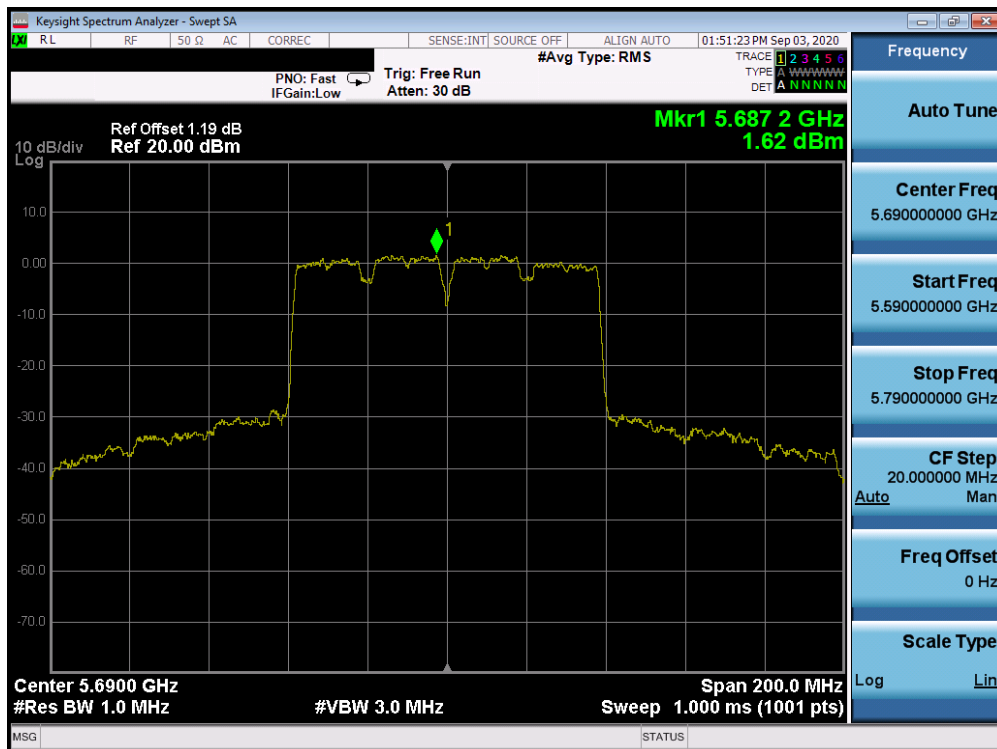


Plot 7-226. Power Spectral Density Plot CDD Primary Antenna 2a (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 157 of 344                 |



Plot 7-227. Power Spectral Density Plot CDD Primary Antenna 2b (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)



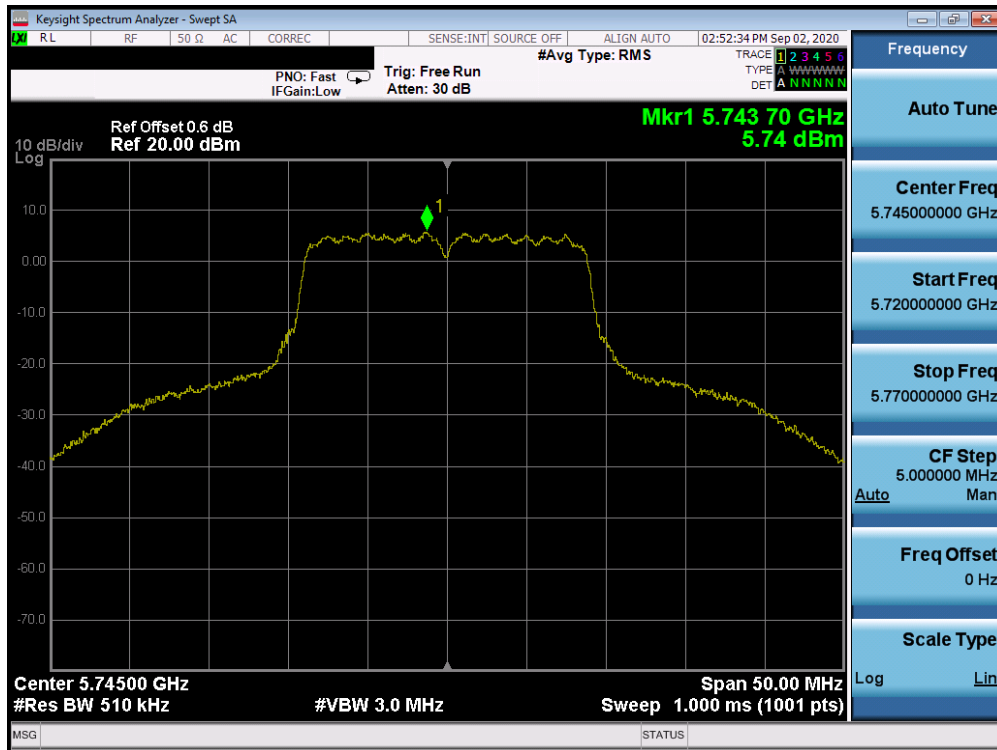
Plot 7-228. Power Spectral Density Plot CDD Primary Antenna 2a (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 158 of 344                 |

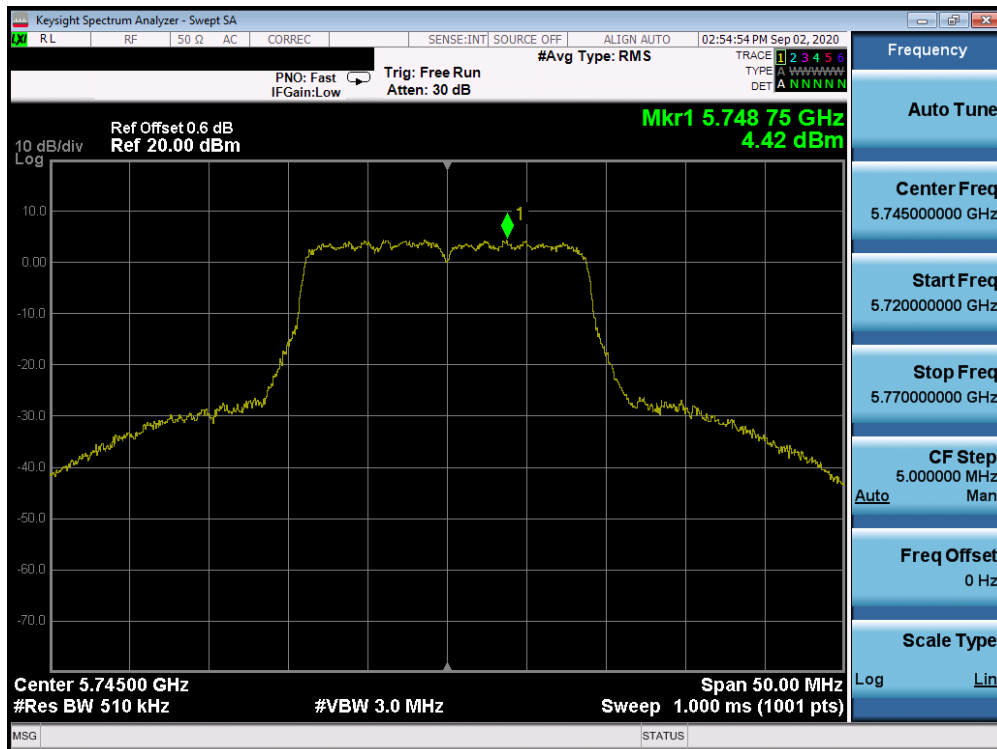
|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps]  | Antenna 2b Power Density [dBm/500kHz] | Antenna 2a Power Density [dBm/500kHz] | Summed Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|-------------------|---------------------------------------|---------------------------------------|-----------------------------------|--------------------------------------------|-------------|
| Band 3 | 5745            | 149         | n (20MHz)   | 130/144.4 (MCS15) | 5.74                                  | 4.42                                  | 8.14                              | 30.0                                       | -21.86      |
|        | 5785            | 157         | n (20MHz)   | 130/144.4 (MCS15) | 5.96                                  | 4.38                                  | 8.25                              | 30.0                                       | -21.75      |
|        | 5825            | 165         | n (20MHz)   | 130/144.4 (MCS15) | 5.69                                  | 4.91                                  | 8.33                              | 30.0                                       | -21.67      |
|        | 5755            | 151         | n (40MHz)   | 270/300 (MCS15)   | 4.52                                  | 3.13                                  | 6.89                              | 30.0                                       | -23.11      |
|        | 5795            | 159         | n (40MHz)   | 270/300 (MCS15)   | 4.36                                  | 3.21                                  | 6.83                              | 30.0                                       | -23.17      |
|        | 5775            | 155         | ac (80MHz)  | 780/866.7 (MCS9)  | -0.20                                 | -1.49                                 | 2.21                              | 30.0                                       | -27.79      |

**Table 7-53. Band 3 CDD Primary Power Spectral Density Measurements**

|                                         |                                                                                                                                         |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  <b>MEASUREMENT REPORT</b><br><b>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                                                                                  | EUT Type:<br>Tablet Device | Page 159 of 344                 |

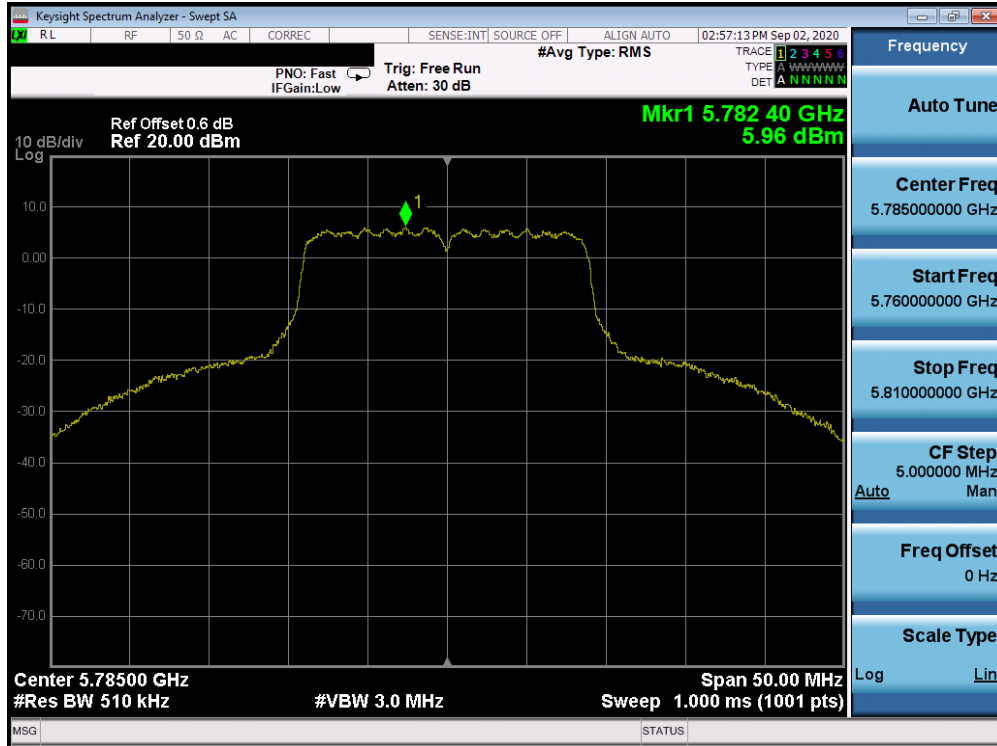


Plot 7-229. Power Spectral Density Plot CDD Primary Antenna 2b (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

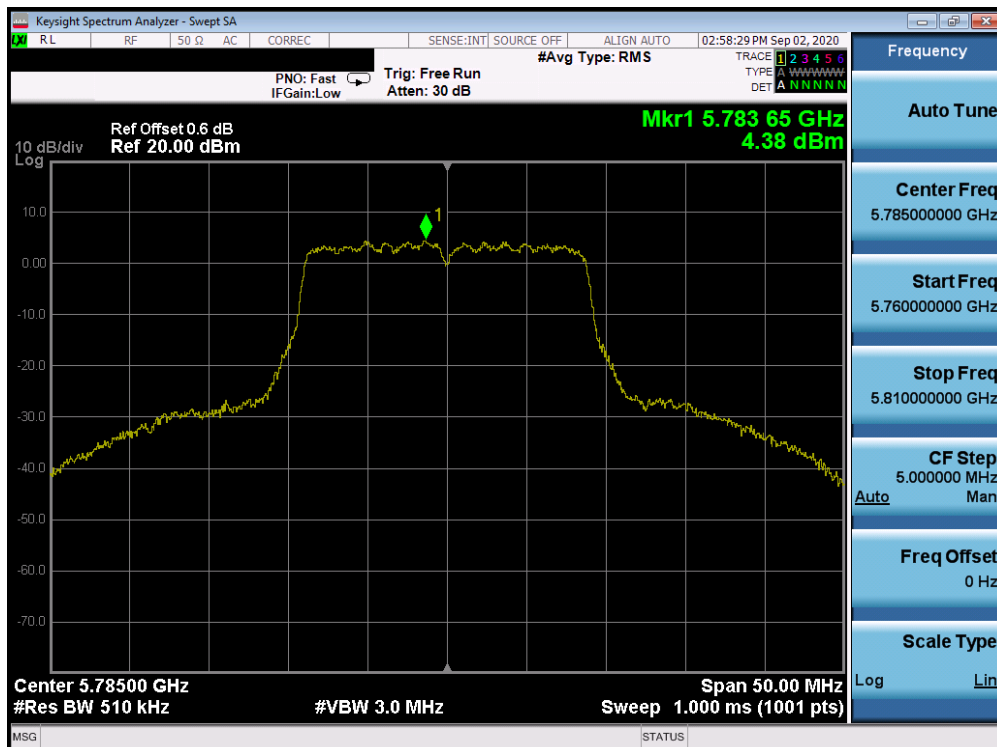


Plot 7-230. Power Spectral Density Plot CDD Primary Antenna 2a (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 160 of 344                 |

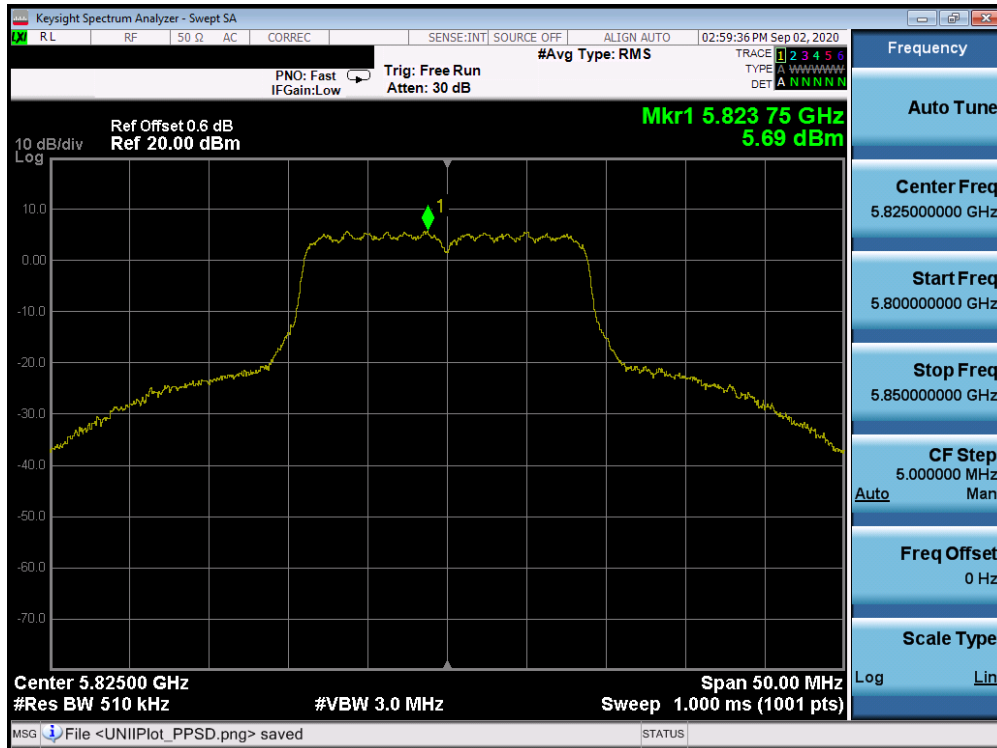


Plot 7-231. Power Spectral Density Plot CDD Primary Antenna 2b (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

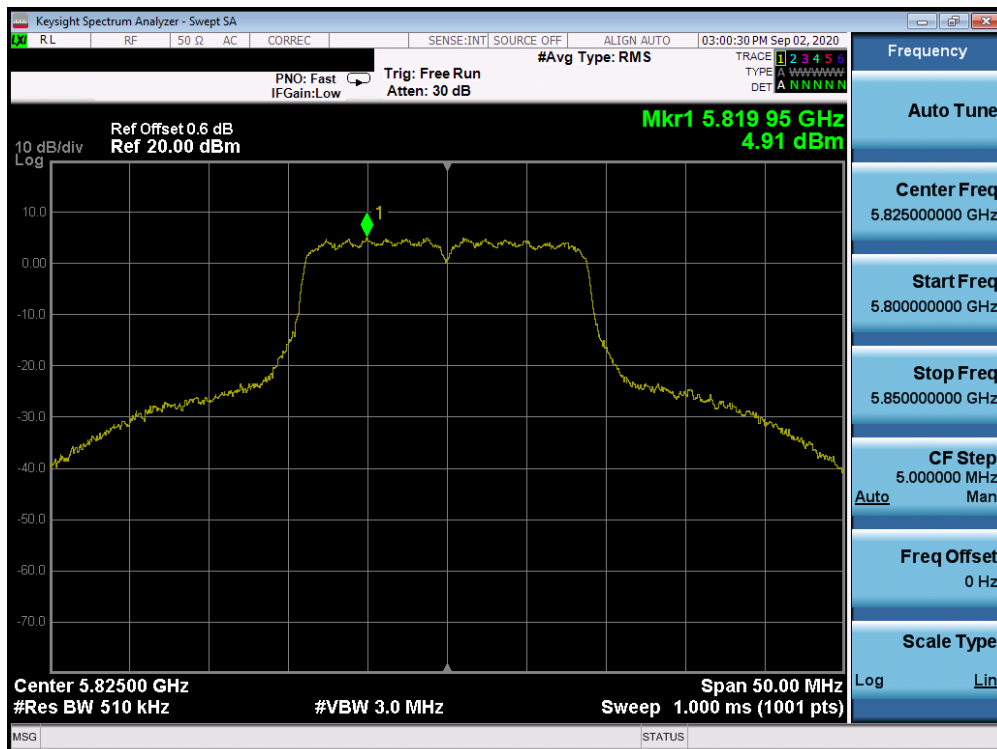


Plot 7-232. Power Spectral Density Plot CDD Primary Antenna 2a (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 161 of 344                 |



Plot 7-233. Power Spectral Density Plot CDD Primary Antenna 2b (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

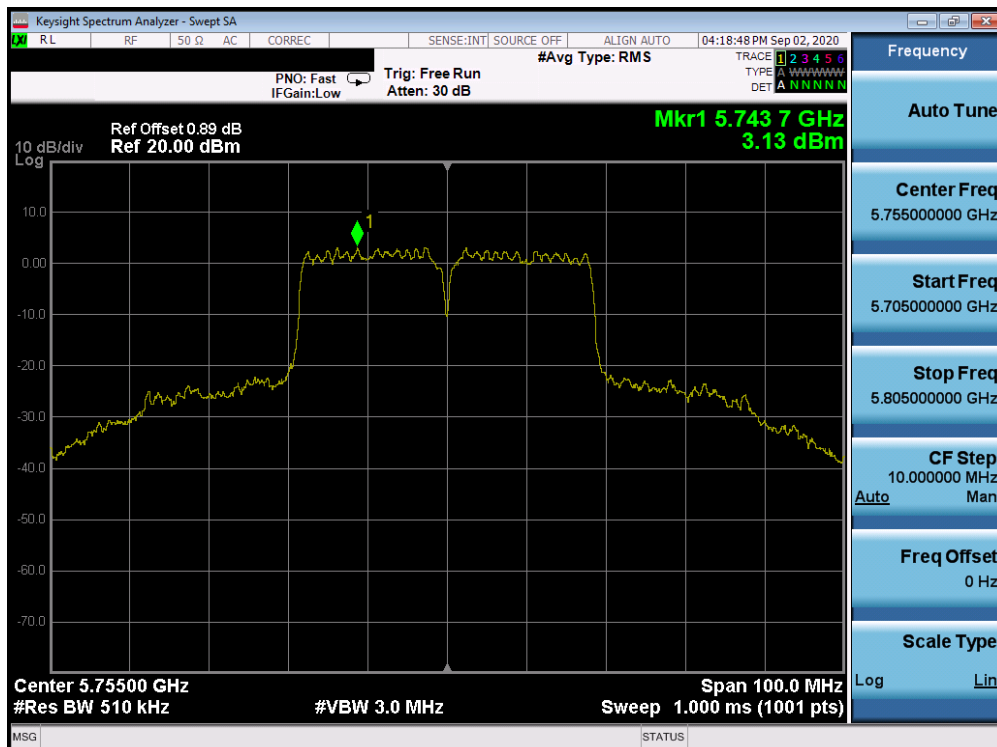


Plot 7-234. Power Spectral Density Plot CDD Primary Antenna 2a (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 162 of 344                 |



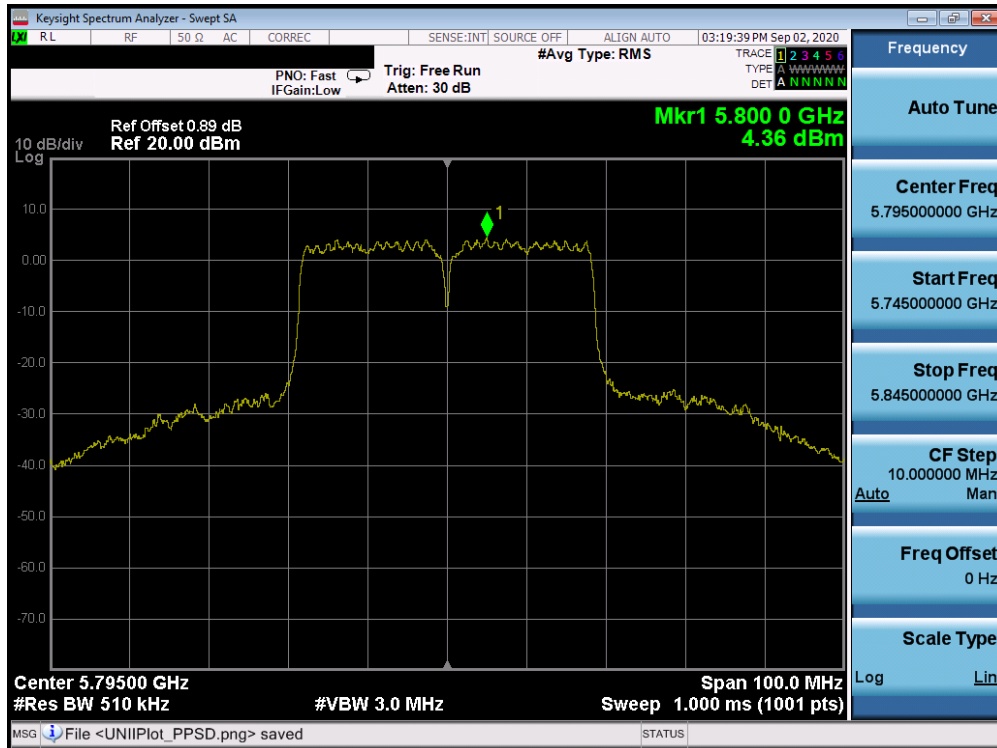
Plot 7-235. Power Spectral Density Plot CDD Primary Antenna 2b (40MHz BW 802.11n (UNII Band 3) – Ch. 151)



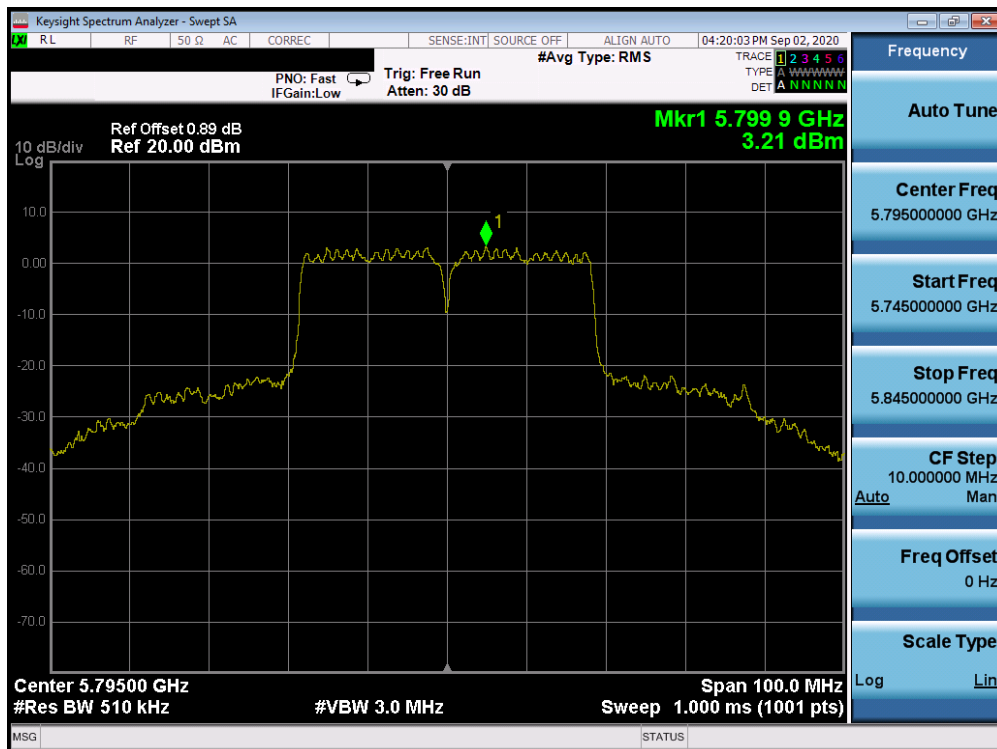
Plot 7-236. Power Spectral Density Plot CDD Primary Antenna 2a (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 163 of 344                 |



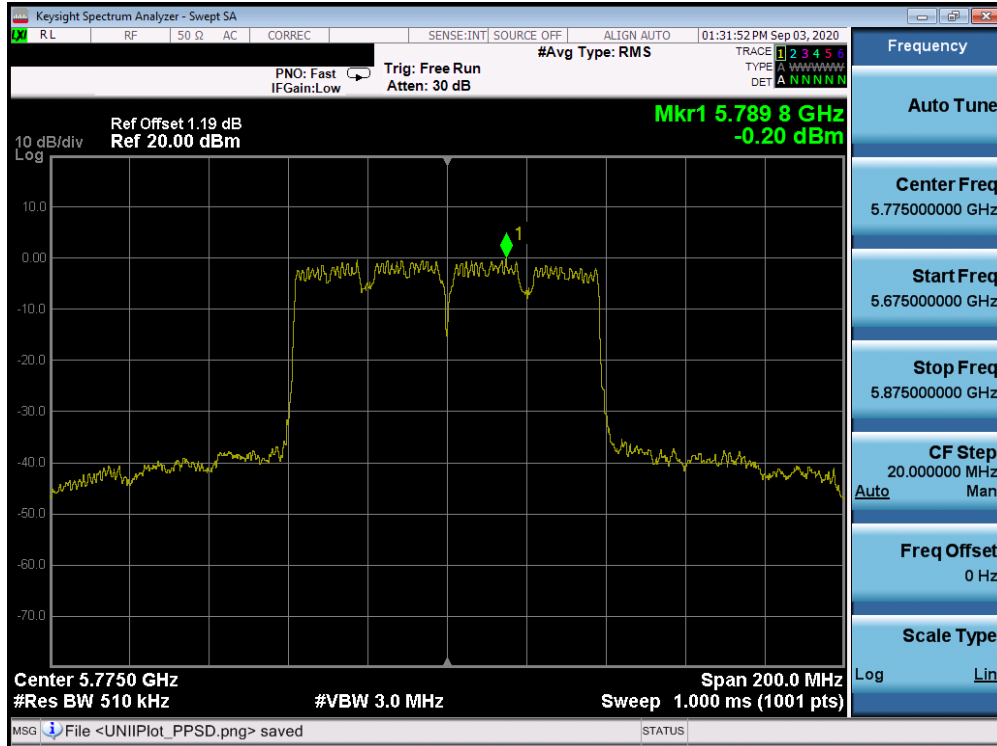


Plot 7-237. Power Spectral Density Plot CDD Primary Antenna 2b (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

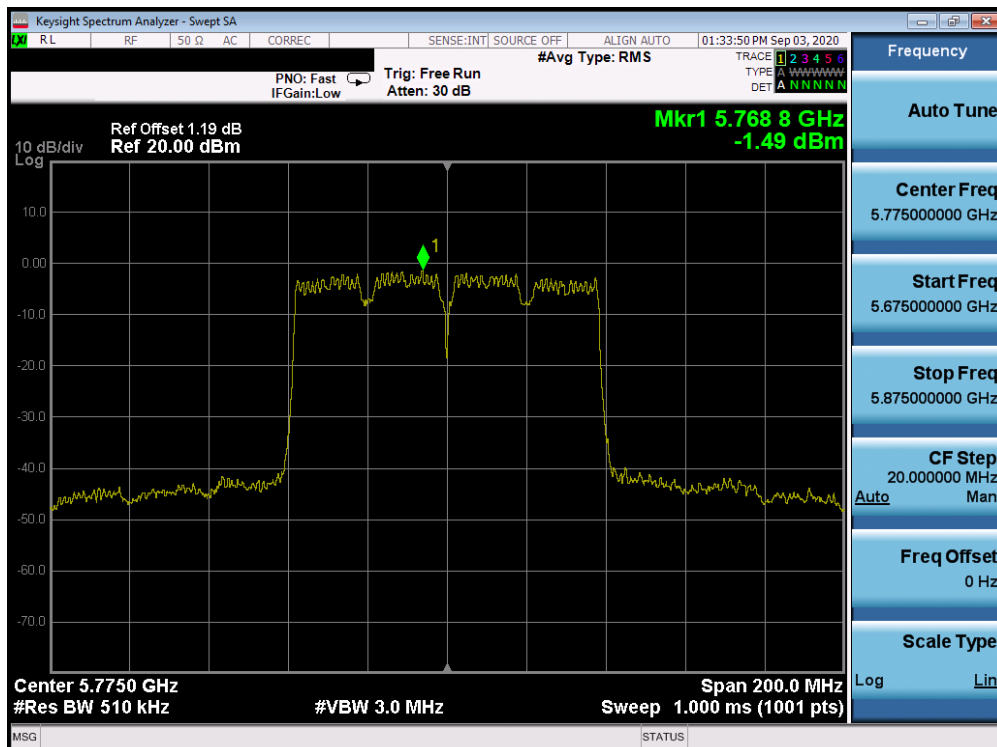


Plot 7-238. Power Spectral Density Plot CDD Primary Antenna 2a (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 164 of 344                 |



Plot 7-239. Power Spectral Density Plot CDD Primary Antenna 2b (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)



Plot 7-240. Power Spectral Density Plot CDD Primary Antenna 2a (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 165 of 344                 |

## Summed CDD/SDM Diversity Power Spectral Density Measurements

|         | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps]  | Antenna 2b Power Density [dBm/MHz] | Antenna 1b Power Density [dBm/MHz] | Summed Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|---------|-----------------|-------------|-------------|-------------------|------------------------------------|------------------------------------|--------------------------------|-----------------------------|-------------|
| Band 1  | 5180            | 36          | n (20MHz)   | 130/144.4 (MCS15) | 5.88                               | 5.70                               | 8.80                           | 11.0                        | -2.20       |
|         | 5200            | 40          | n (20MHz)   | 130/144.4 (MCS15) | 6.18                               | 6.40                               | 9.30                           | 11.0                        | -1.70       |
|         | 5240            | 48          | n (20MHz)   | 130/144.4 (MCS15) | 6.21                               | 6.31                               | 9.27                           | 11.0                        | -1.73       |
|         | 5190            | 38          | n (40MHz)   | 270/300 (MCS15)   | -0.18                              | -0.42                              | 2.71                           | 11.0                        | -8.29       |
|         | 5230            | 46          | n (40MHz)   | 270/300 (MCS15)   | 5.25                               | 5.32                               | 8.30                           | 11.0                        | -2.70       |
|         | 5210            | 42          | ac (80MHz)  | 780/866.7 (MCS9)  | -3.56                              | -3.15                              | -0.34                          | 11.0                        | -11.34      |
| Band 2A | 5260            | 52          | n (20MHz)   | 130/144.4 (MCS15) | 6.23                               | 6.17                               | 9.21                           | 11.0                        | -1.79       |
|         | 5280            | 56          | n (20MHz)   | 130/144.4 (MCS15) | 6.44                               | 6.35                               | 9.41                           | 11.0                        | -1.59       |
|         | 5320            | 64          | n (20MHz)   | 130/144.4 (MCS15) | 6.26                               | 5.67                               | 8.99                           | 11.0                        | -2.01       |
|         | 5270            | 54          | n (40MHz)   | 270/300 (MCS15)   | 6.40                               | 5.95                               | 9.19                           | 11.0                        | -1.81       |
|         | 5310            | 62          | n (40MHz)   | 270/300 (MCS15)   | -0.74                              | 0.38                               | 2.87                           | 11.0                        | -8.13       |
|         | 5290            | 58          | ac (80MHz)  | 780/866.7 (MCS9)  | -3.95                              | -4.07                              | -1.00                          | 11.0                        | -12.00      |
| Band 2C | 5500            | 100         | n (20MHz)   | 130/144.4 (MCS15) | 5.56                               | 5.33                               | 8.46                           | 11.0                        | -2.54       |
|         | 5580            | 116         | n (20MHz)   | 130/144.4 (MCS15) | 5.97                               | 5.84                               | 8.92                           | 11.0                        | -2.08       |
|         | 5720            | 144         | n (20MHz)   | 130/144.4 (MCS15) | 5.63                               | 5.57                               | 8.61                           | 11.0                        | -2.39       |
|         | 5510            | 102         | n (40MHz)   | 270/300 (MCS15)   | -0.22                              | -0.13                              | 2.84                           | 11.0                        | -8.16       |
|         | 5550            | 110         | n (40MHz)   | 270/300 (MCS15)   | 5.43                               | 4.89                               | 8.18                           | 11.0                        | -2.82       |
|         | *5590           | 118         | n (40MHz)   | 270/300 (MCS15)   | 6.01                               | 5.49                               | 8.77                           | 11.0                        | -2.23       |
|         | 5710            | 142         | n (40MHz)   | 270/300 (MCS15)   | 5.99                               | 5.83                               | 8.92                           | 11.0                        | -2.08       |
|         | 5530            | 106         | ac (80MHz)  | 780/866.7 (MCS9)  | -3.92                              | -4.00                              | -0.95                          | 11.0                        | -11.95      |
|         | *5610           | 122         | ac (80MHz)  | 780/866.7 (MCS9)  | 0.16                               | -0.35                              | 2.92                           | 11.0                        | -8.08       |
|         | 5690            | 138         | ac (80MHz)  | 780/866.7 (MCS9)  | 3.38                               | 3.30                               | 6.35                           | 11.0                        | -4.65       |

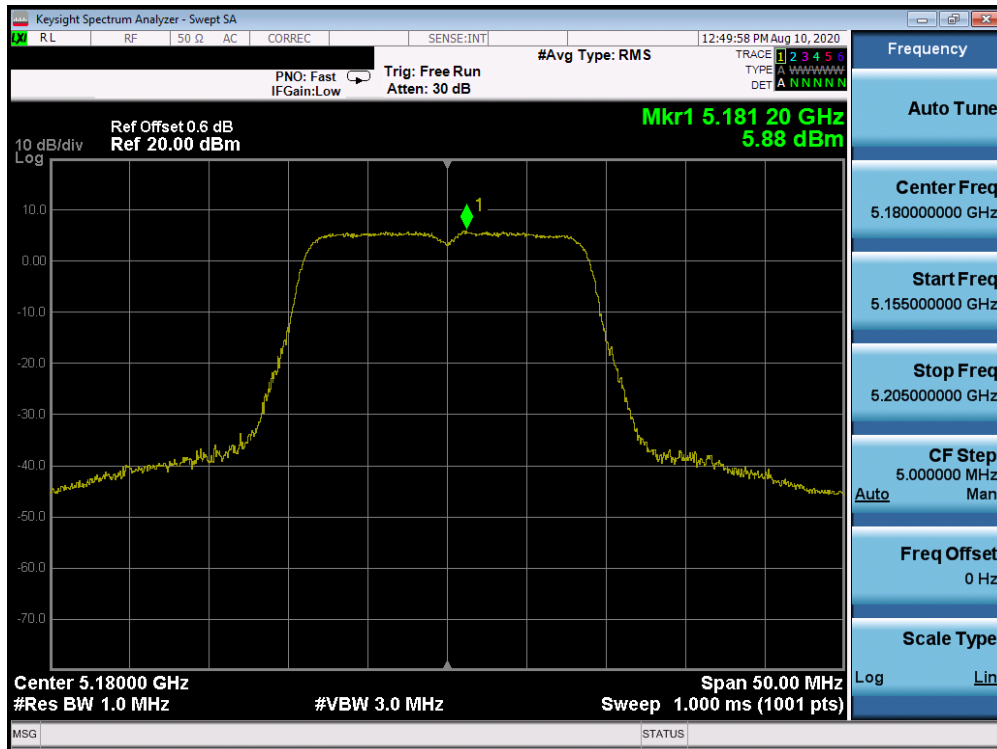
**Table 7-54. Bands 1, 2A, 2C CDD/SDM Diversity Power Spectral Density Measurements**

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

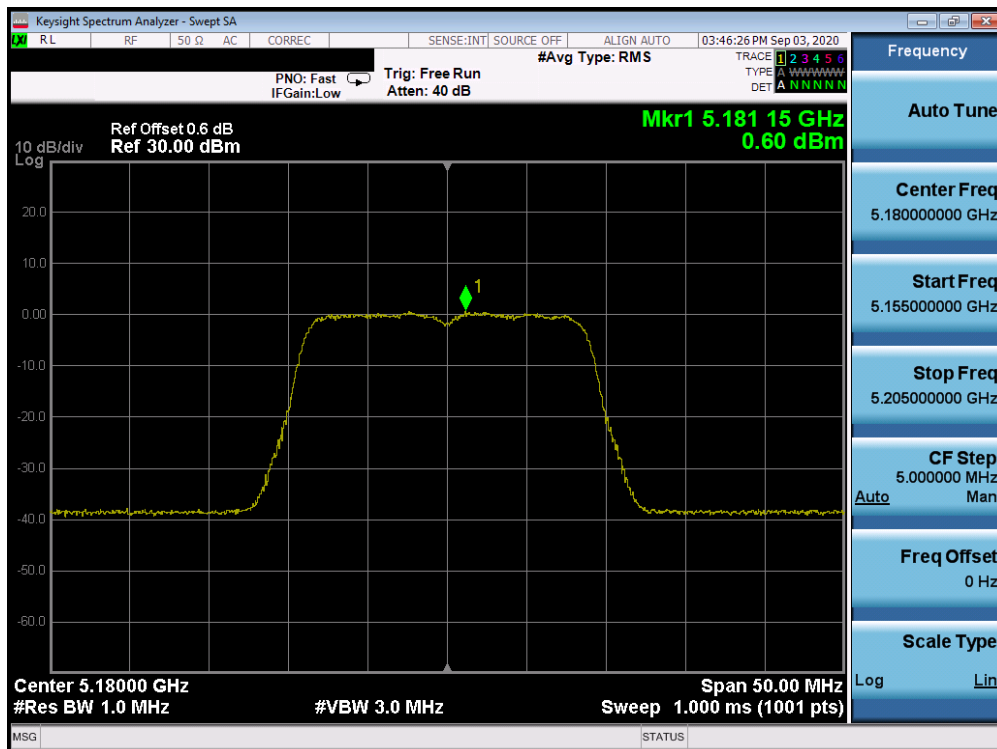
|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps]  | Antenna 2b Power Density [dBm/MHz] | Antenna 1b Power Density [dBm/MHz] | Summed Power Density [dBm/MHz] | Directional Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|-------------------|------------------------------------|------------------------------------|--------------------------------|--------------------------------|----------------------------------|-------------------------------------------|-------------|
| Band 1 | 5180            | 36          | n (20MHz)   | 130/144.4 (MCS15) | 0.60                               | 0.06                               | 3.35                           | -0.63                          | 2.72                             | 10.0                                      | -7.28       |
|        | 5200            | 40          | n (20MHz)   | 130/144.4 (MCS15) | 0.35                               | 0.20                               | 3.29                           | -0.63                          | 2.66                             | 10.0                                      | -7.34       |
|        | 5240            | 48          | n (20MHz)   | 130/144.4 (MCS15) | 0.94                               | 0.90                               | 3.93                           | -0.63                          | 3.30                             | 10.0                                      | -6.70       |
|        | 5190            | 38          | n (40MHz)   | 270/300 (MCS15)   | -1.34                              | -1.56                              | 1.56                           | -0.63                          | 0.93                             | 10.0                                      | -9.07       |
|        | 5230            | 46          | n (40MHz)   | 270/300 (MCS15)   | -1.01                              | -1.39                              | 1.81                           | -0.63                          | 1.19                             | 10.0                                      | -8.81       |
|        | 5210            | 42          | ac (80MHz)  | 780/866.7 (MCS9)  | -3.56                              | -3.15                              | -0.34                          | 2.37                           | 2.03                             | 10.0                                      | -7.97       |

**Table 7-55. Band 1 CDD/SDM Diversity e.i.r.p. Power Spectral Density Measurements (ISED)**

|                                         |                                                                                                                                                                                                              |                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  <b>PCTEST</b><br>Proud to be part of  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                                                                                                                                                       | EUT Type:<br>Tablet Device            | Page 166 of 344                 |

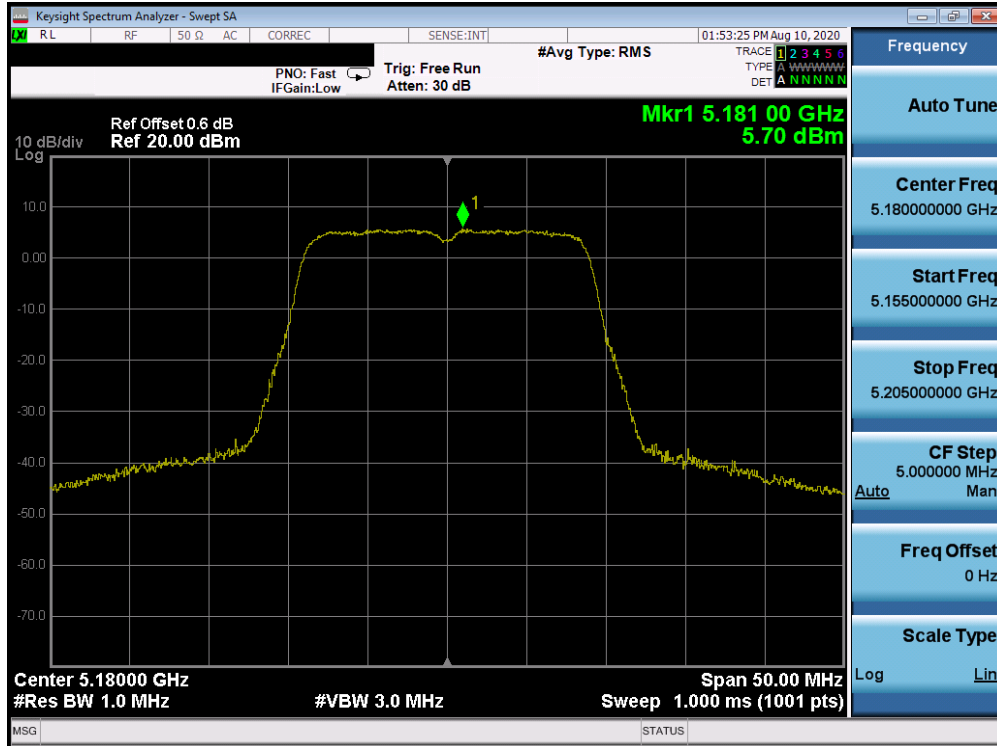


Plot 7-241. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 1) – Ch. 36)

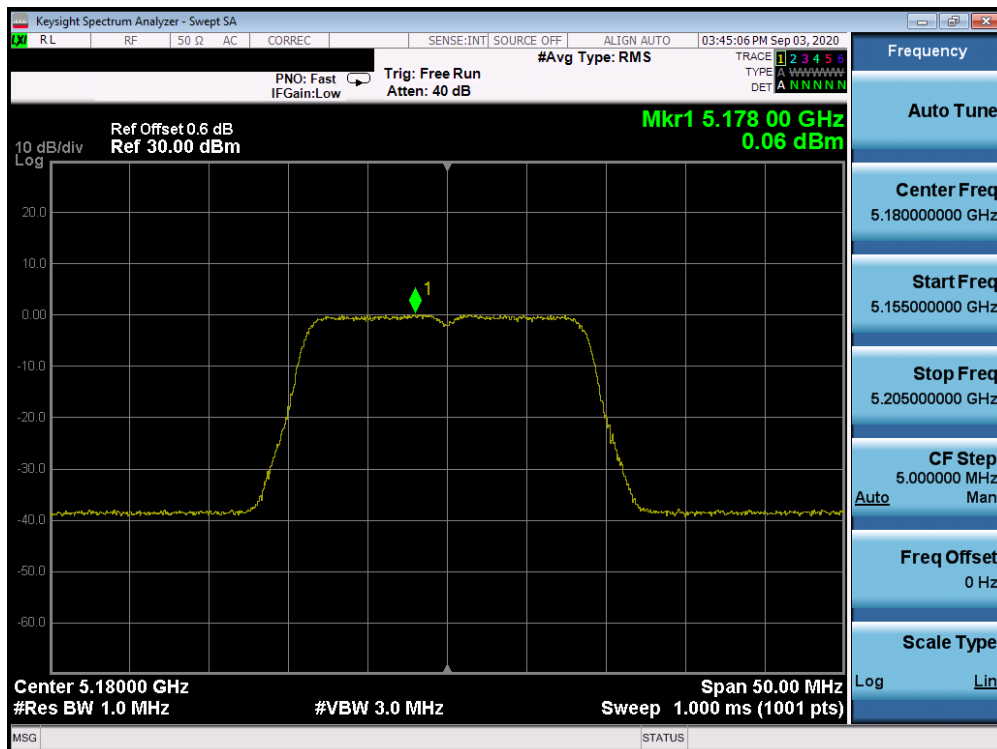


Plot 7-242. ISD Power Spectral Density Plot SDM Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 1) – Ch. 36)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 167 of 344                 |

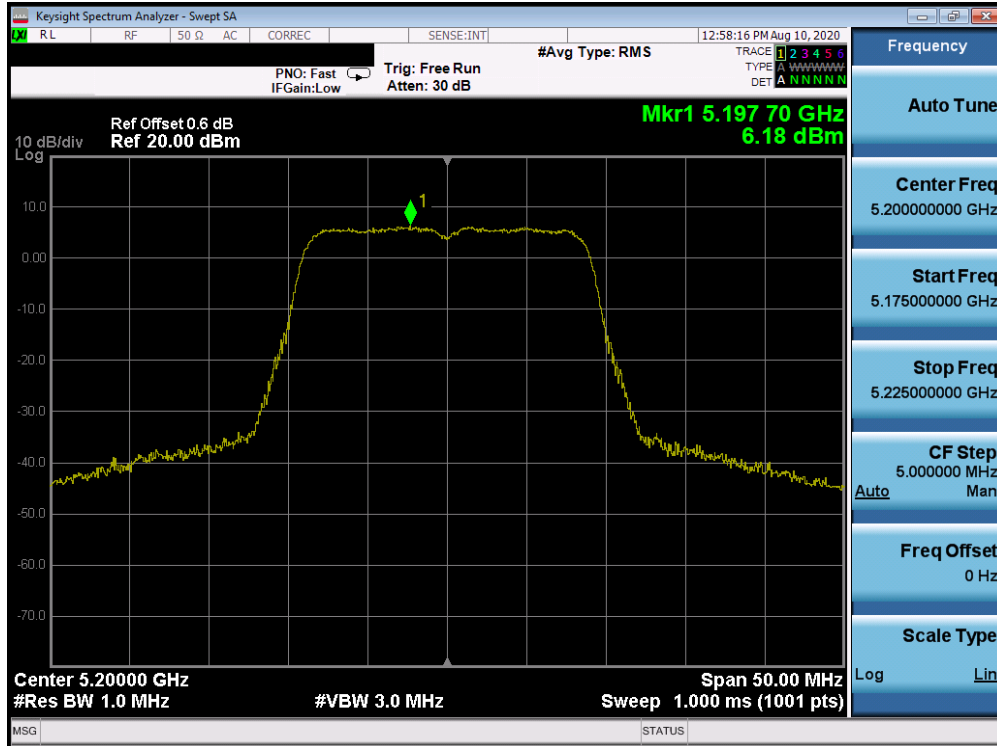


Plot 7-243. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 1) – Ch. 36)

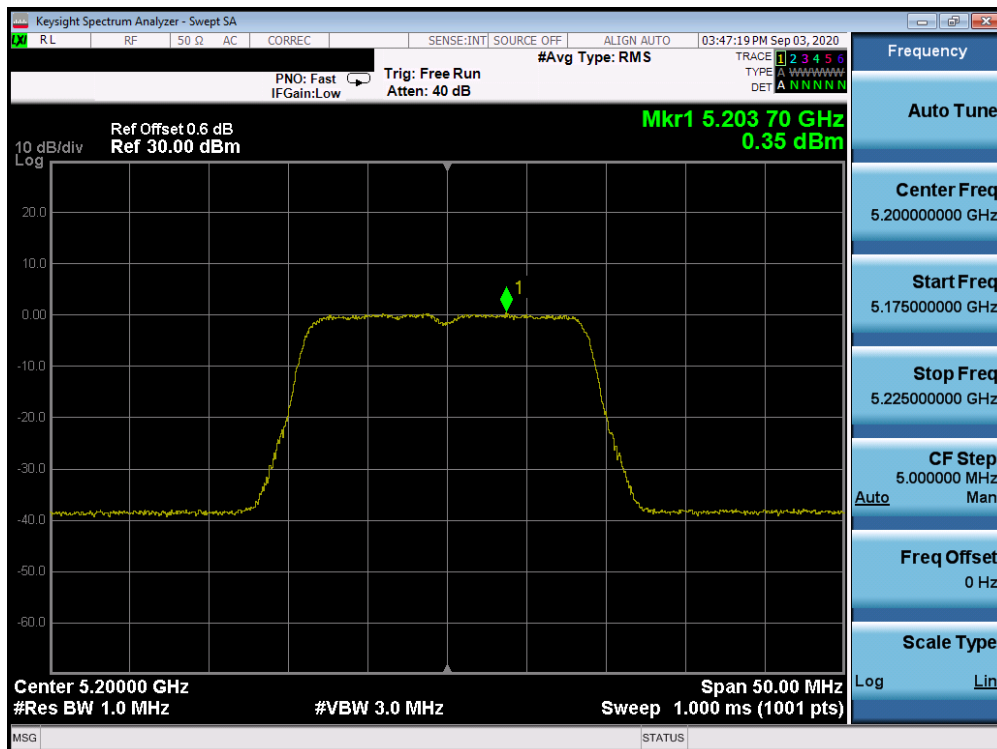


Plot 7-244. ISD Power Spectral Density Plot SDM Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 1) – Ch. 36)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 168 of 344                 |

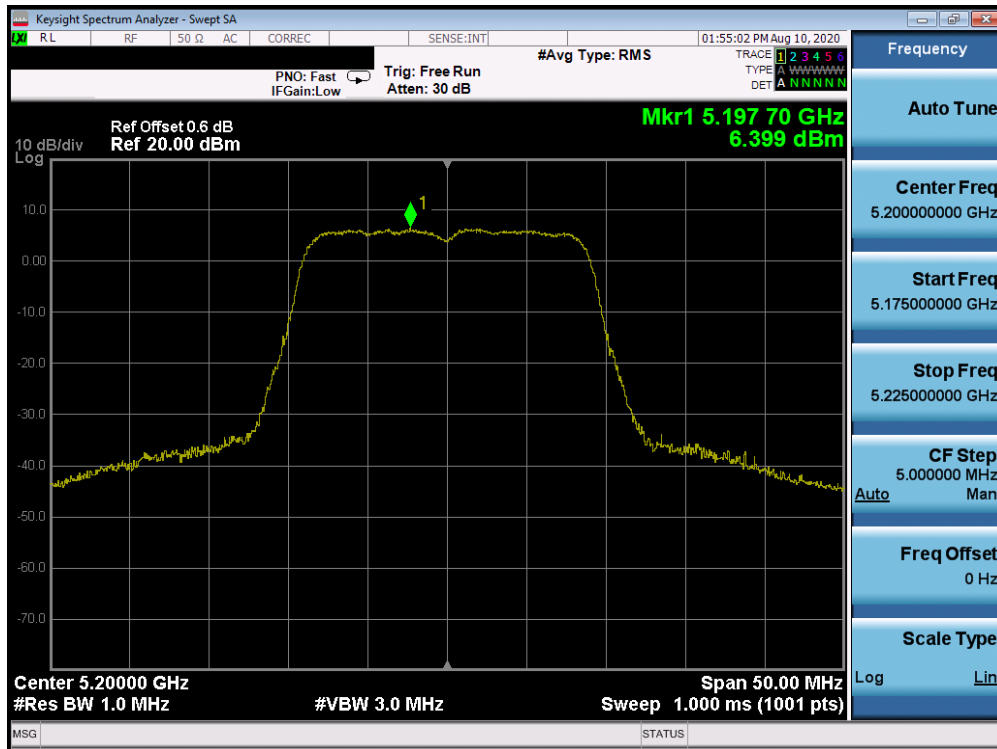


Plot 7-245. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 1) – Ch. 40)

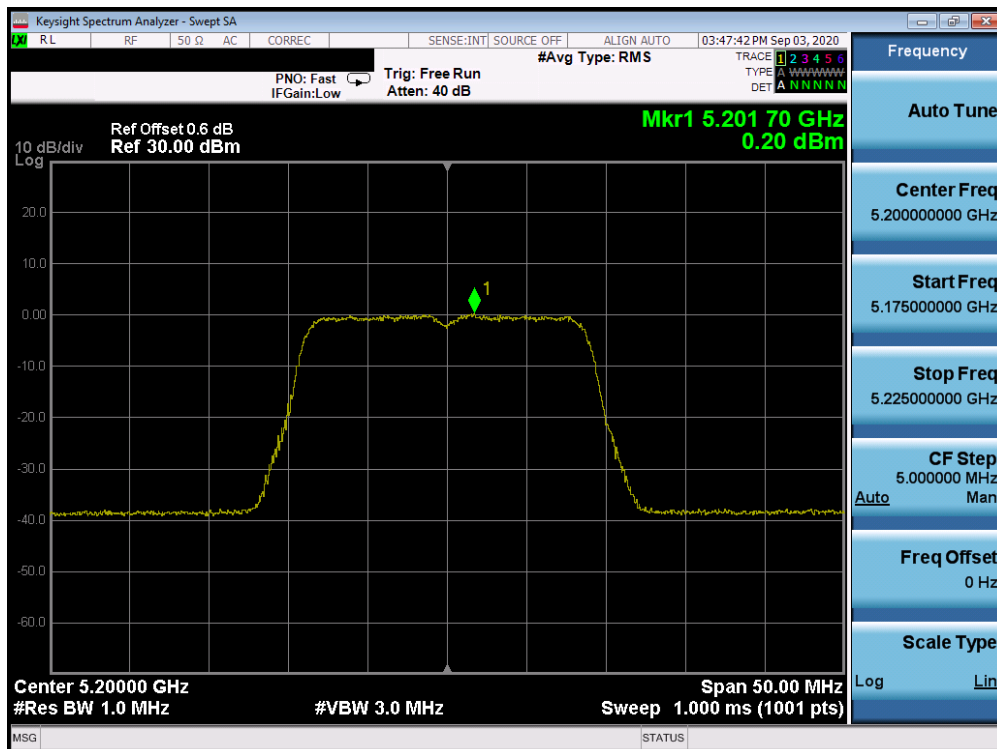


Plot 7-246. ISD Power Spectral Density Plot SDM Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 1) – Ch. 40)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 169 of 344                 |



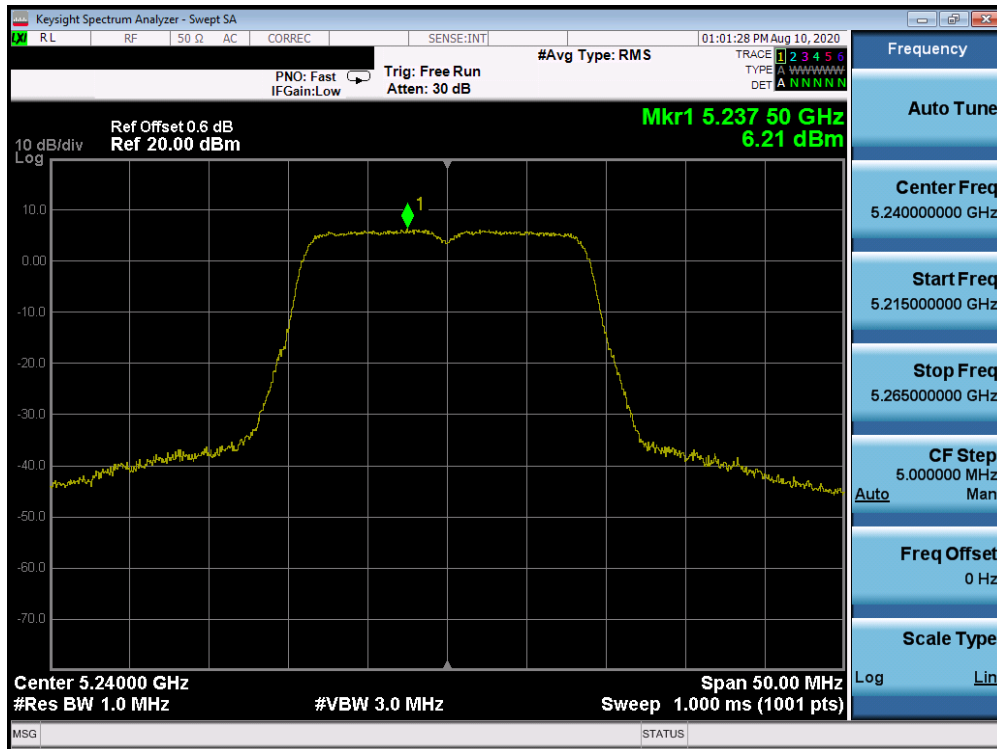
Plot 7-247. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 1) – Ch. 40)



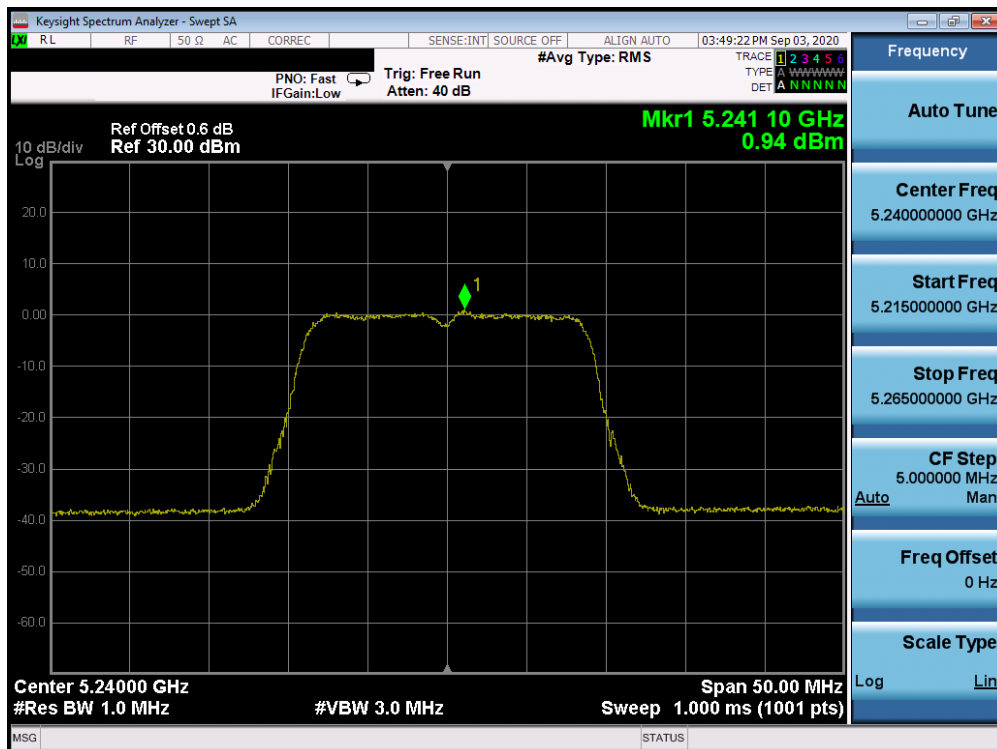
Plot 7-248. ISD Power Spectral Density Plot SDM Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 1) – Ch. 40)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 170 of 344                 |





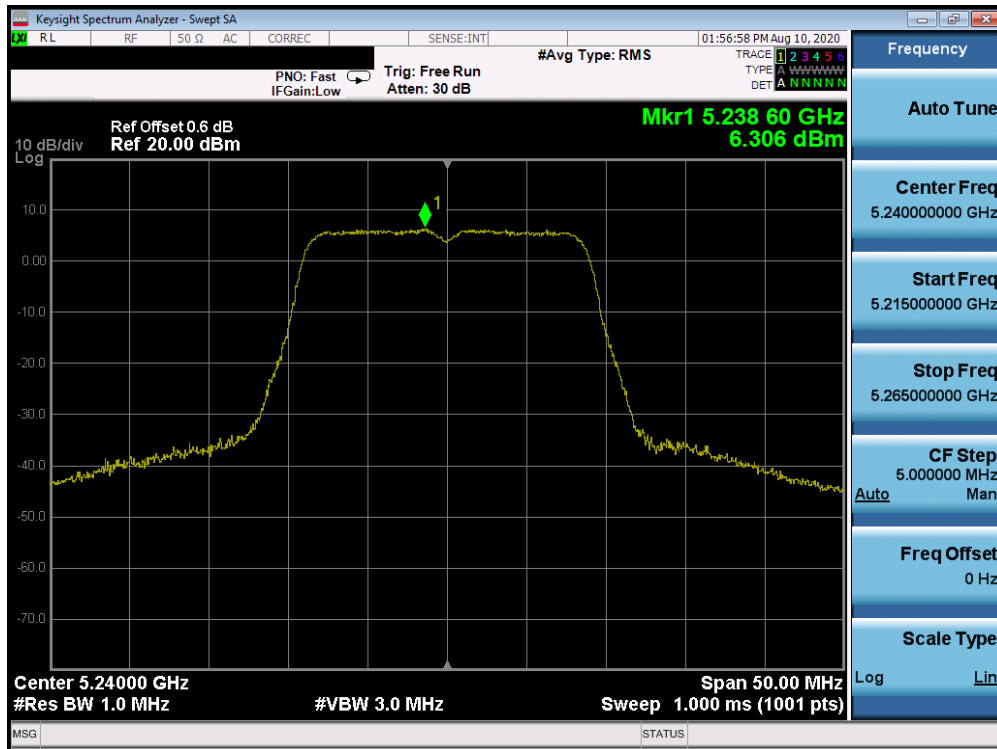
Plot 7-249. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 1) – Ch. 48)



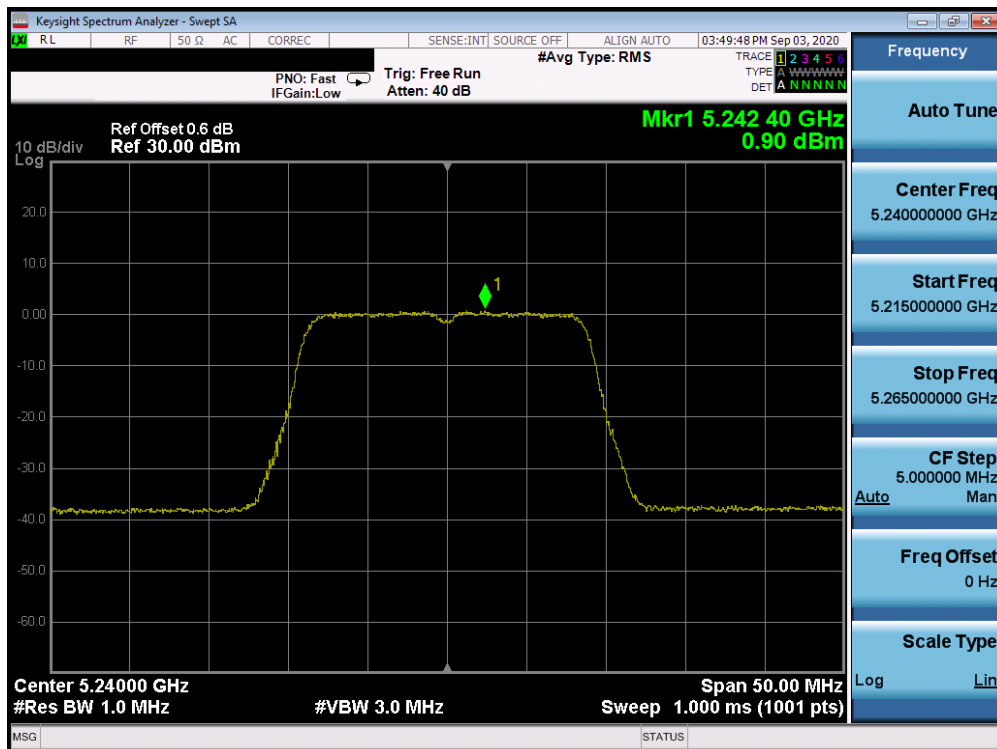
Plot 7-250. ISED Power Spectral Density Plot SDM Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 1) – Ch. 48)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 171 of 344                 |



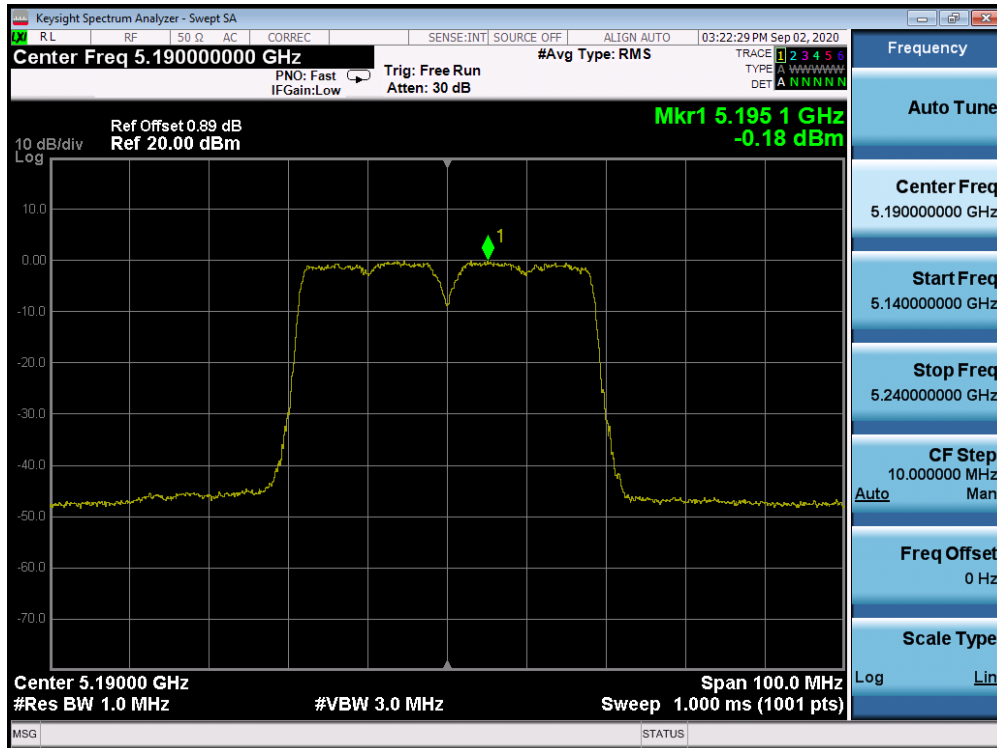


Plot 7-251. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 1) – Ch. 48)

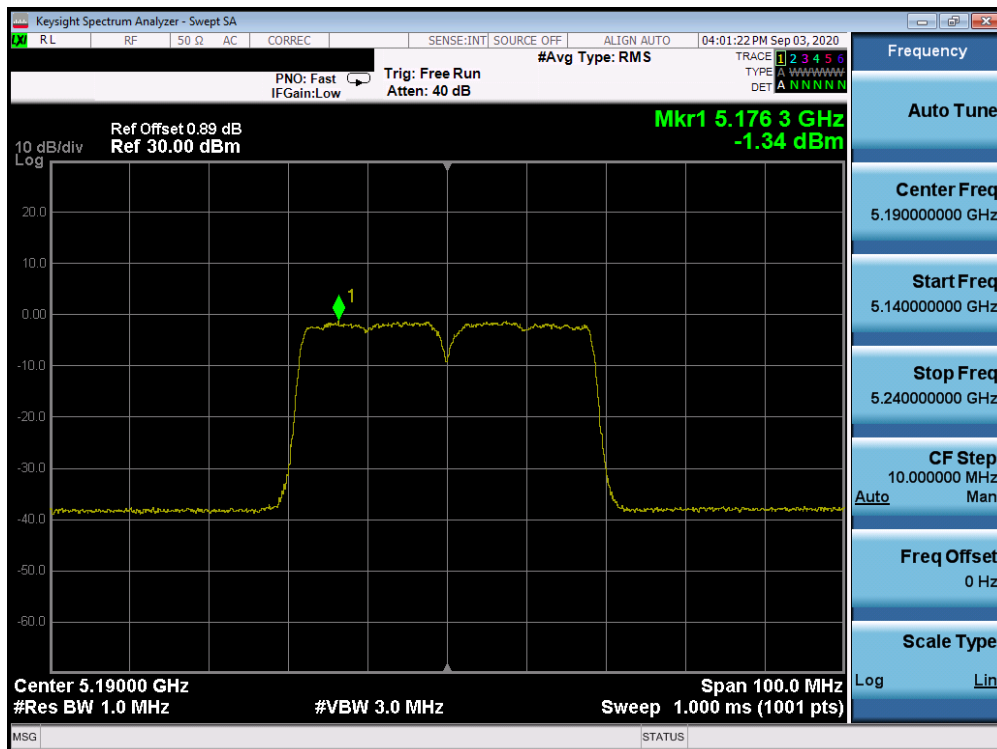


Plot 7-252. ISD Power Spectral Density Plot SDM Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 1) – Ch. 48)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 172 of 344                 |

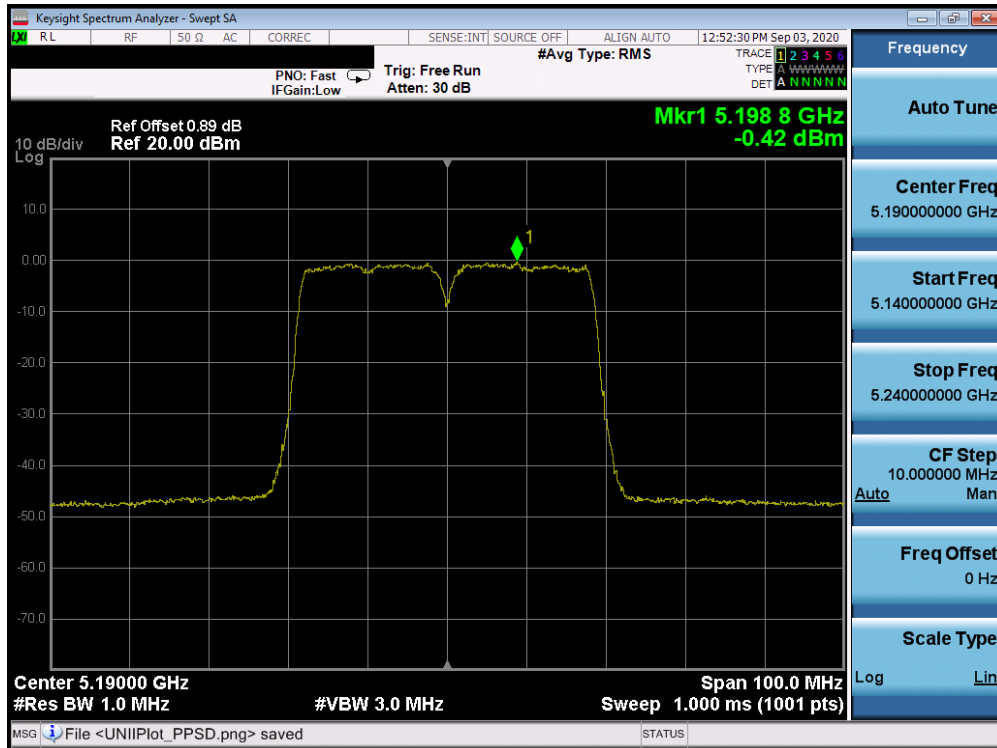


Plot 7-253. Power Spectral Density Plot CDD Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 1) – Ch. 38)

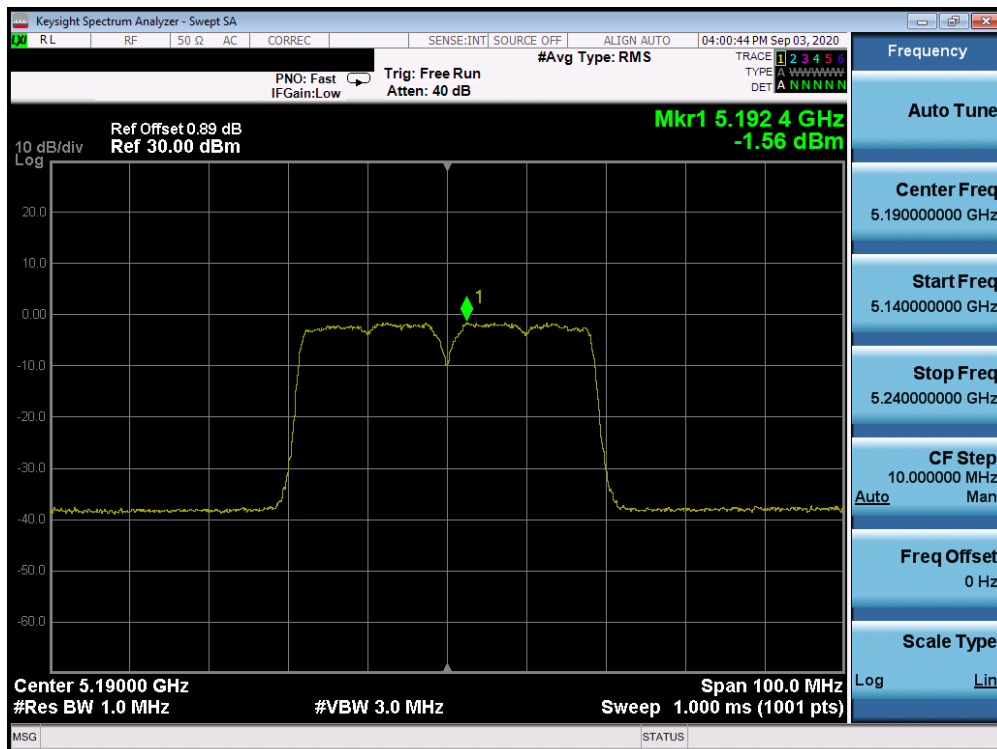


Plot 7-254. ISD Power Spectral Density Plot SDM Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 1) – Ch. 38)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 173 of 344                 |

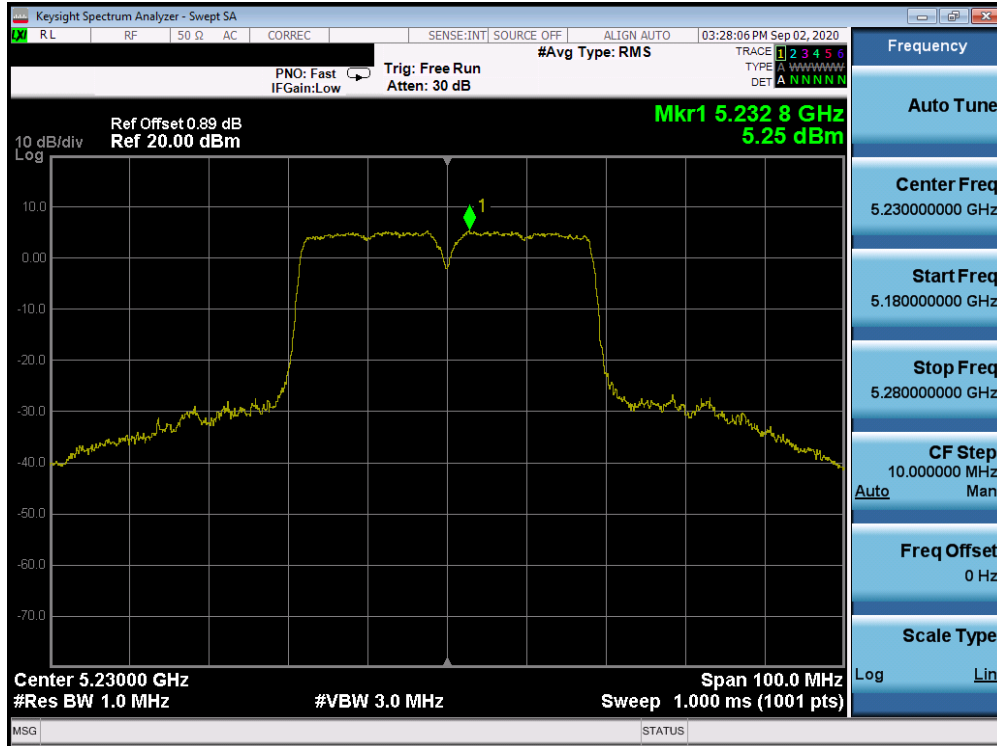


Plot 7-255. Power Spectral Density Plot CDD Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 1) – Ch. 38)

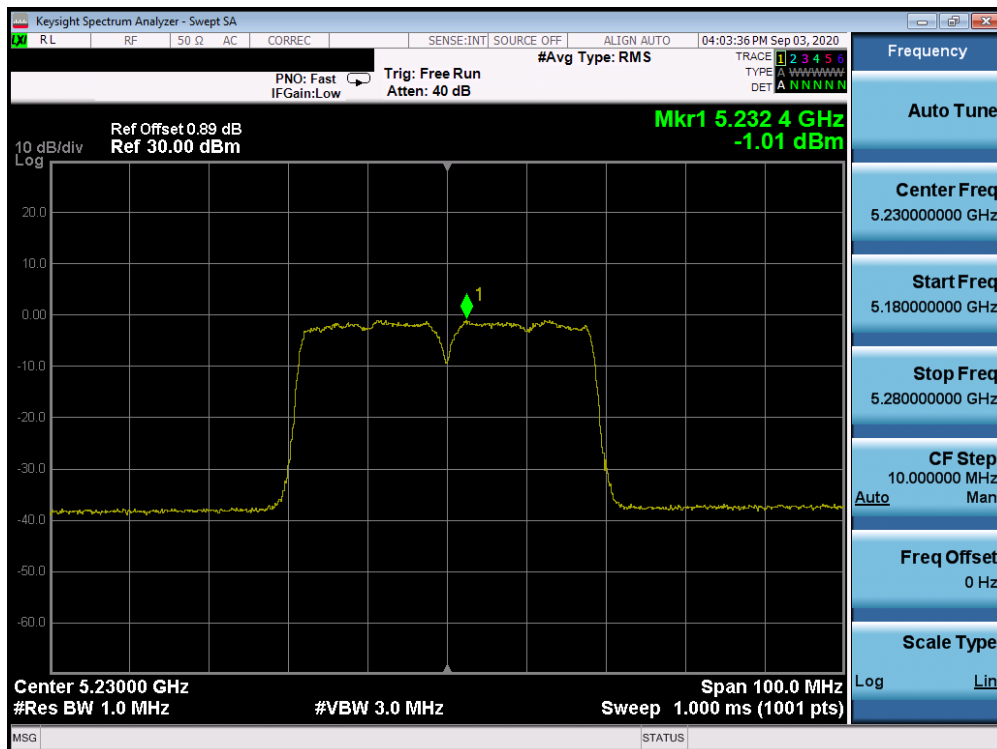


Plot 7-256. ISD Power Spectral Density Plot SDM Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 1) – Ch. 38)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 174 of 344                 |



Plot 7-257. Power Spectral Density Plot CDD Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 1) – Ch. 46)

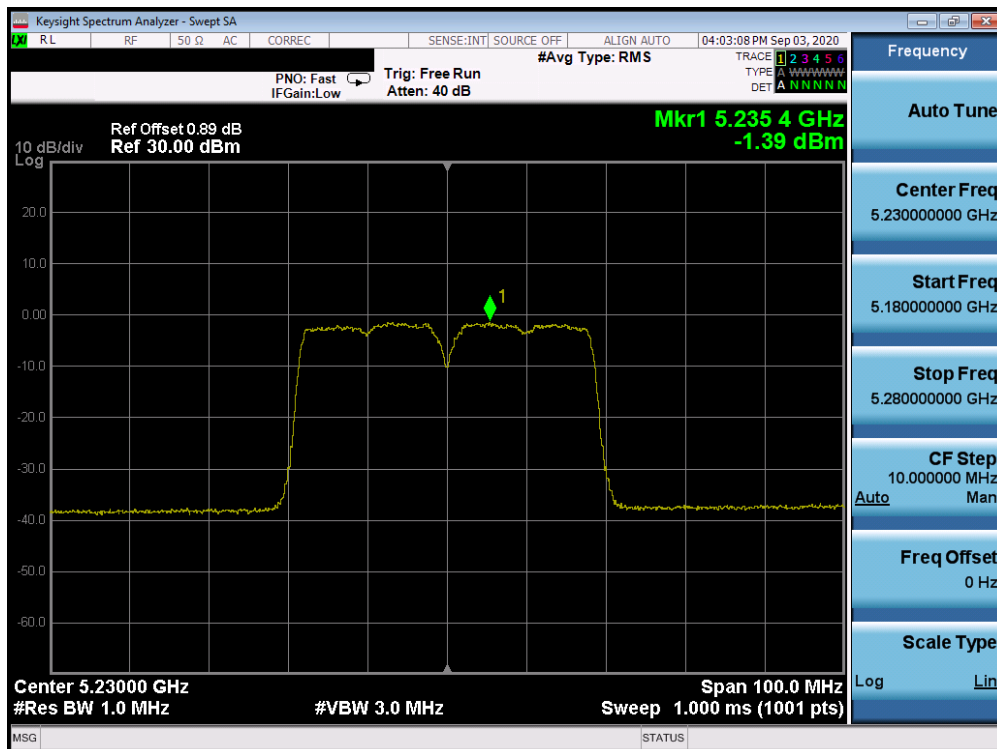


Plot 7-258. ISD Power Spectral Density Plot SDM Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 1) – Ch. 46)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 175 of 344                 |

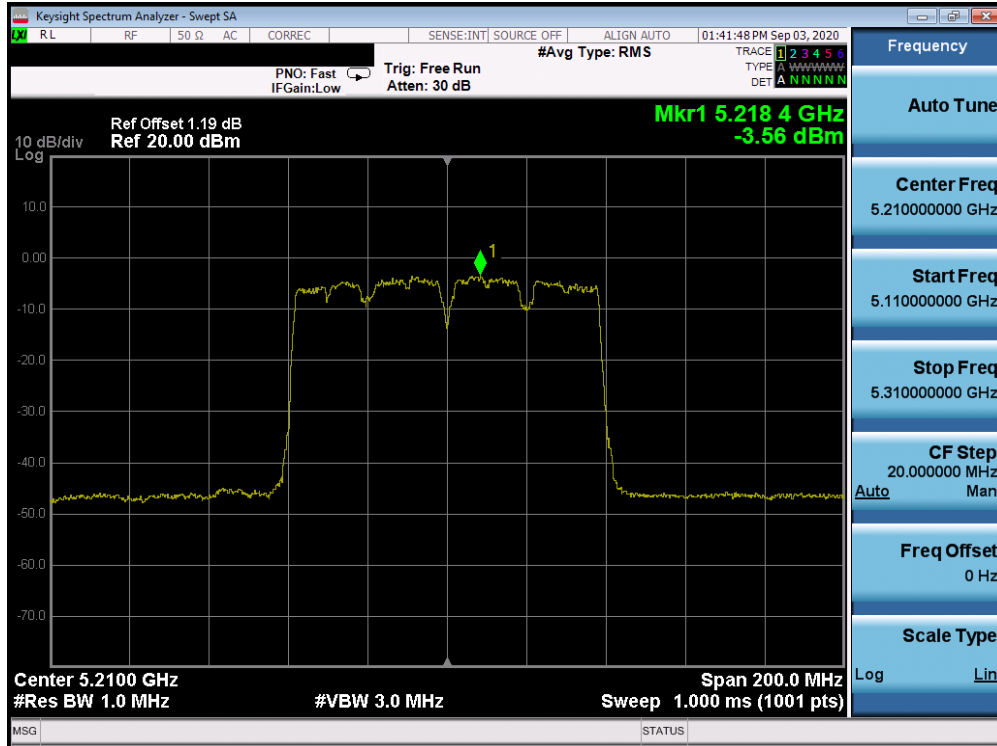


Plot 7-259. Power Spectral Density Plot CDD Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 1) – Ch. 46)

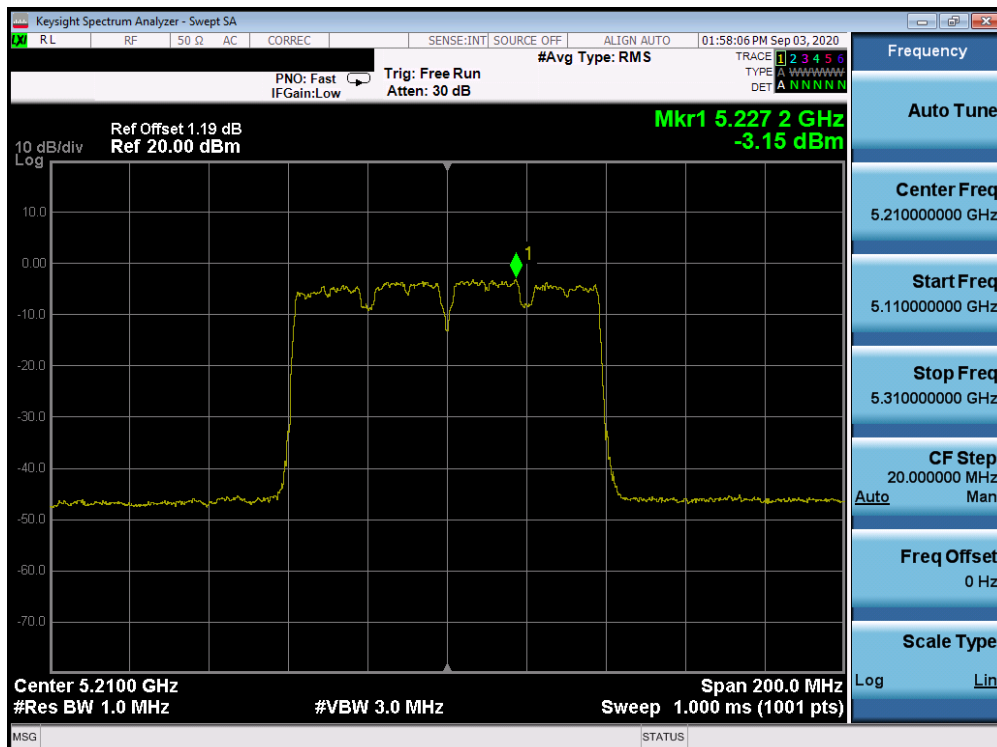


Plot 7-260. ISED Power Spectral Density Plot SDM Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 1) – Ch. 46)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 176 of 344                 |

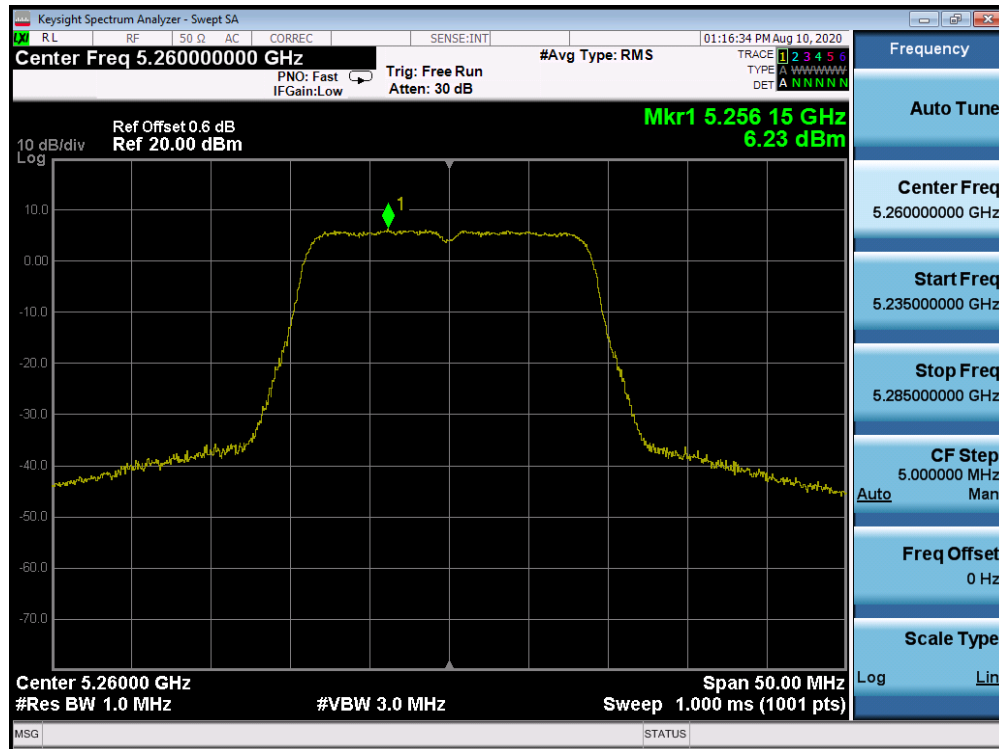


Plot 7-261. Power Spectral Density Plot CDD Diversity Antenna 2b (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)

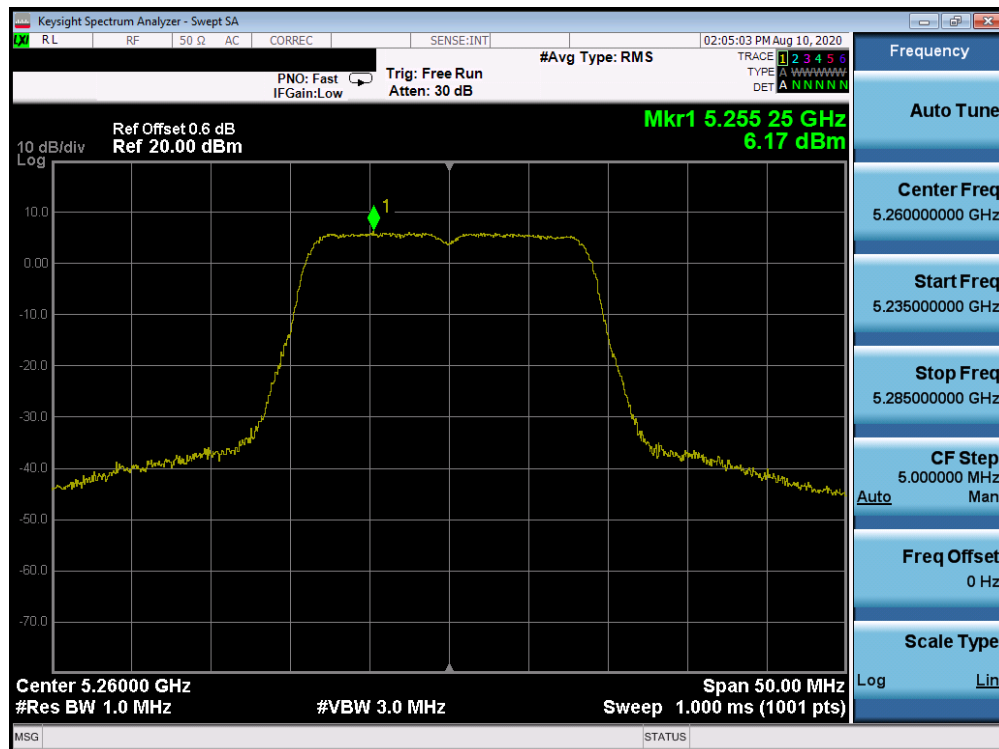


Plot 7-262. Power Spectral Density Plot CDD Diversity Antenna 1b (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 177 of 344                 |

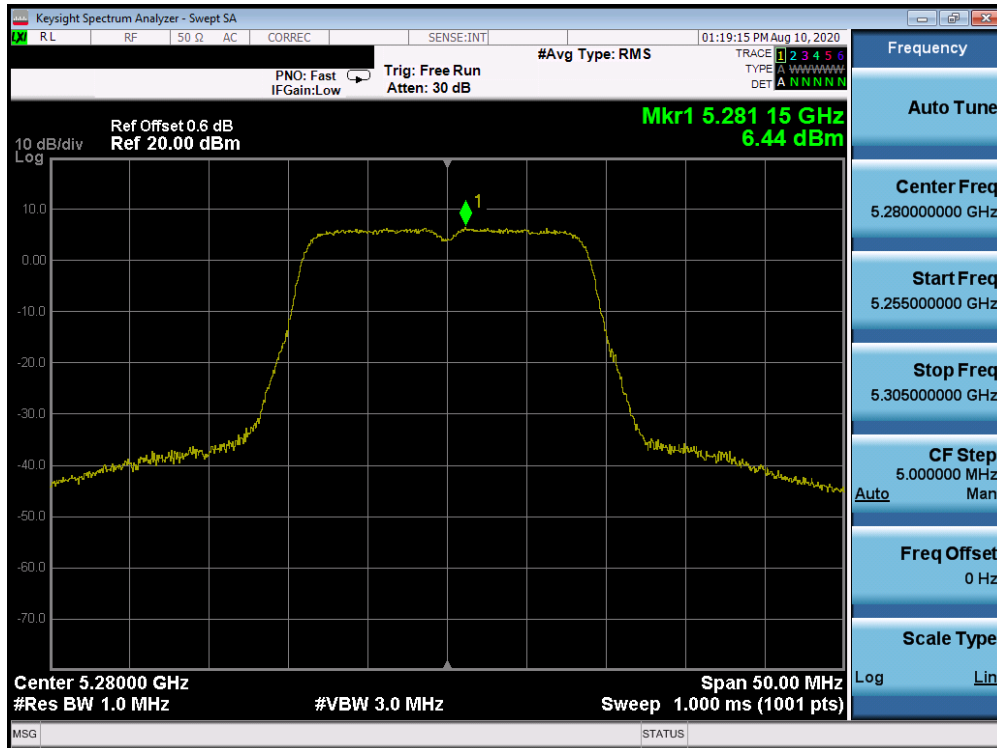


Plot 7-263. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 2A) – Ch. 52)

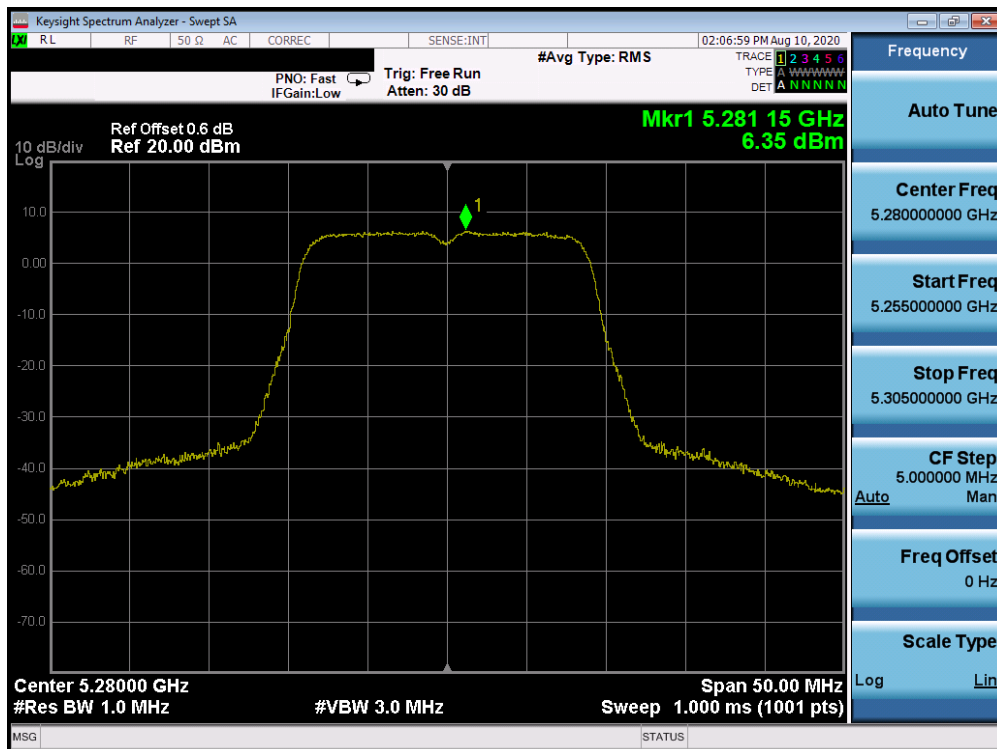


Plot 7-264. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 2A) – Ch. 52)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 178 of 344                 |



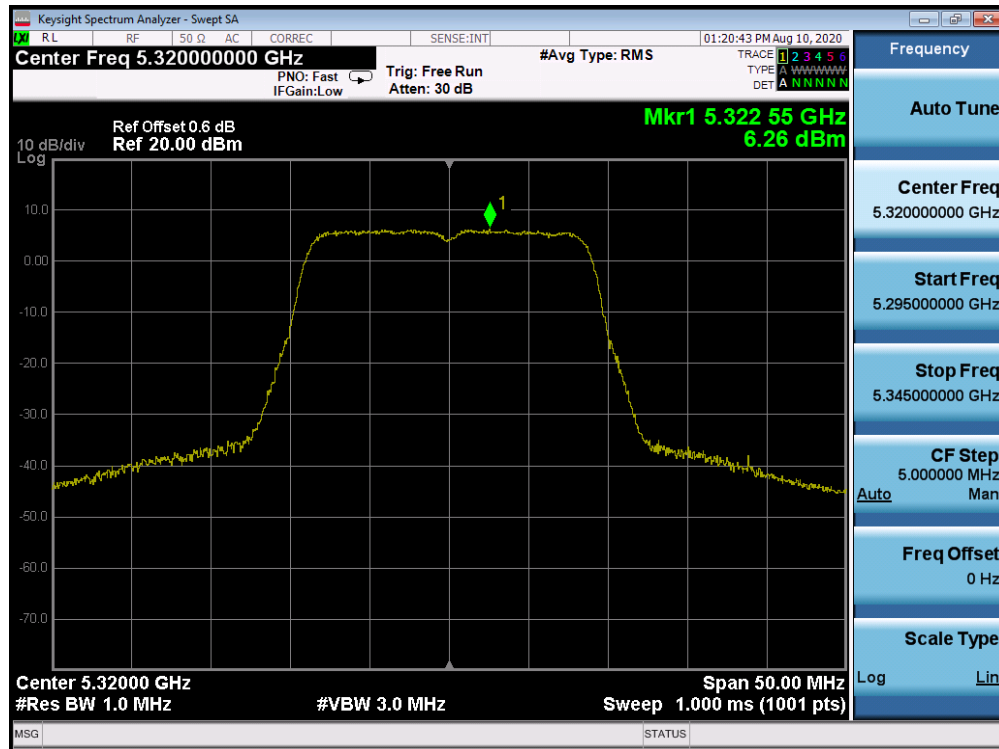
Plot 7-265. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)



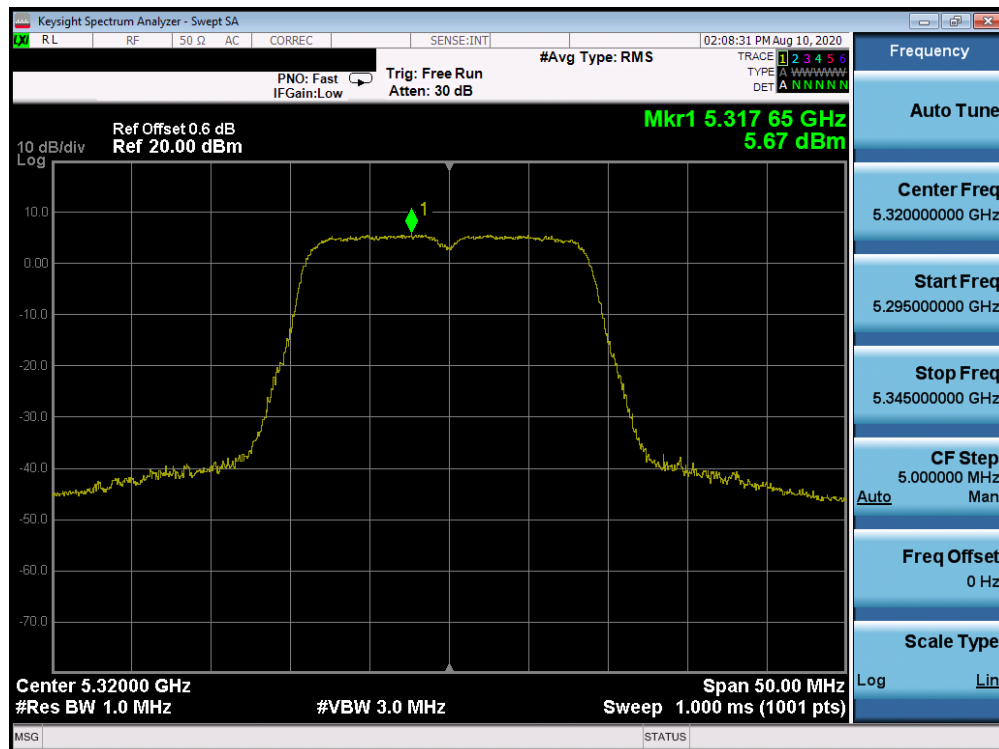
Plot 7-266. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)

|                                         |                                                                                                                                                                                                              |                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  <b>PCTEST</b><br>Proud to be part of  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                                                                                                                                                       | EUT Type:<br>Tablet Device            | Page 179 of 344                 |



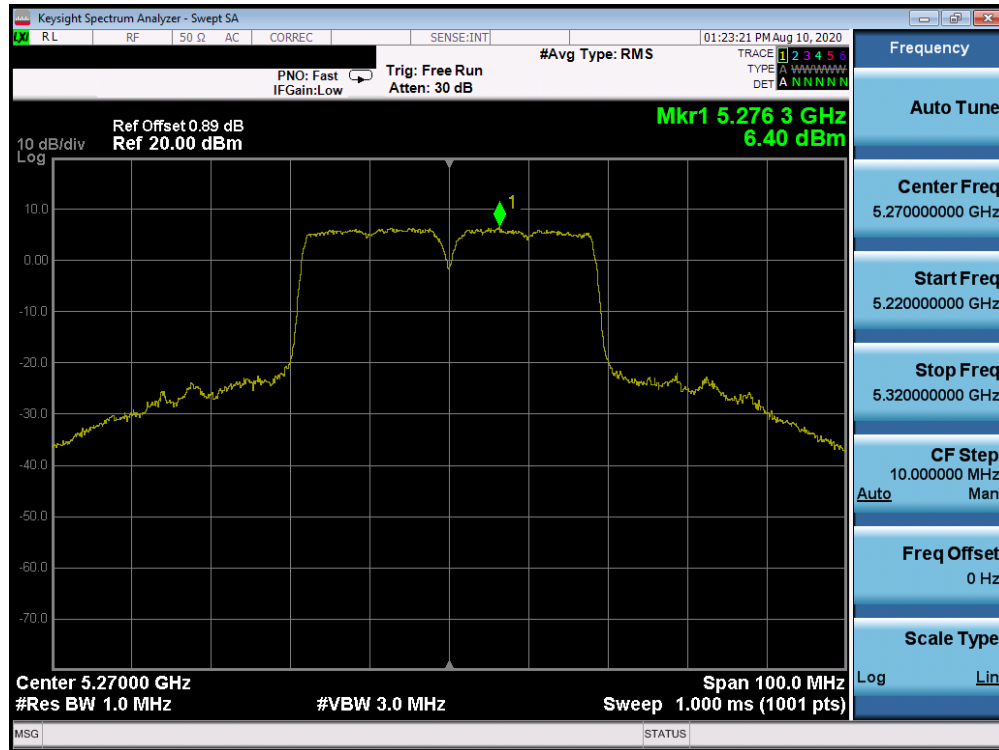


Plot 7-267. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 2A) – Ch. 64)

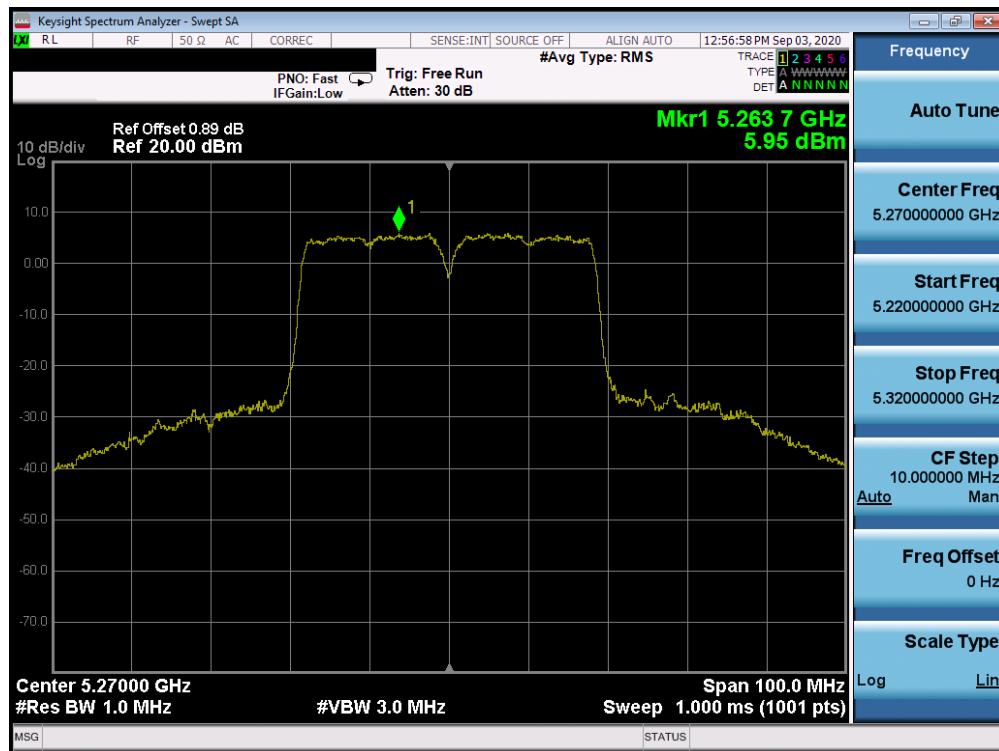


Plot 7-268. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 2A) – Ch. 64)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 180 of 344                 |

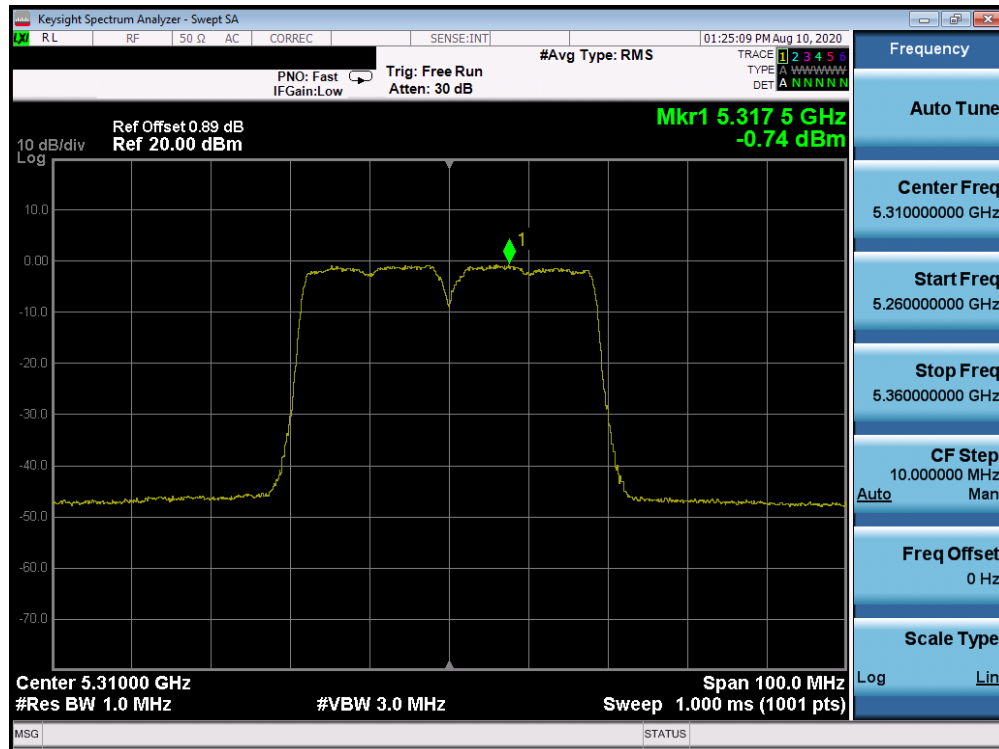


Plot 7-269. Power Spectral Density Plot CDD Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

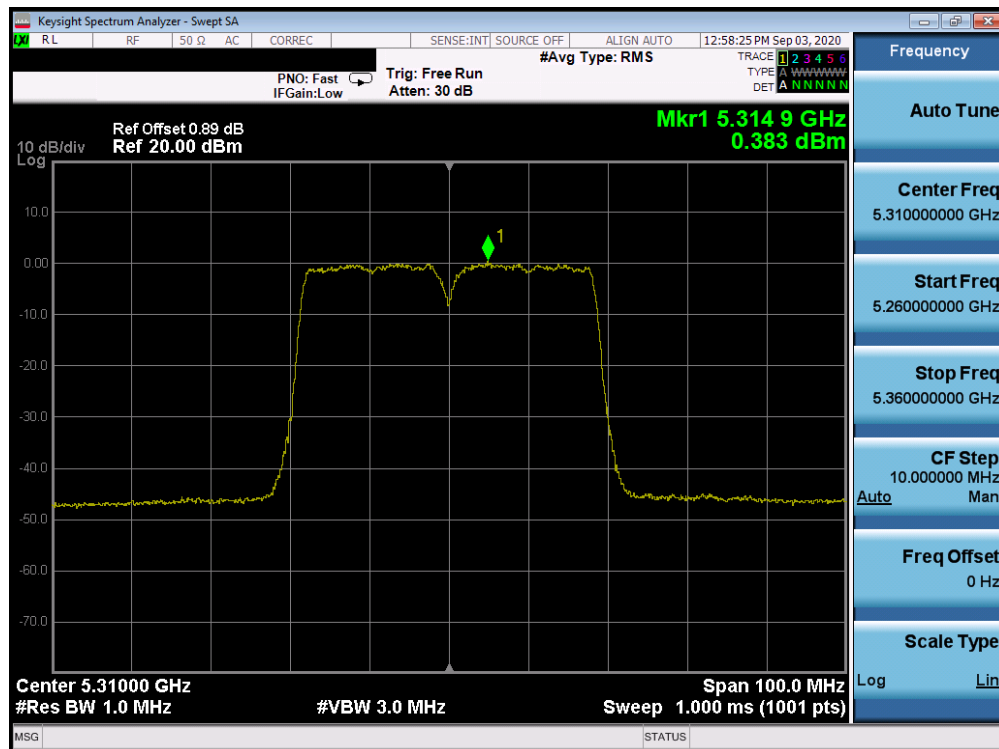


Plot 7-270. Power Spectral Density Plot CDD Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 181 of 344                 |

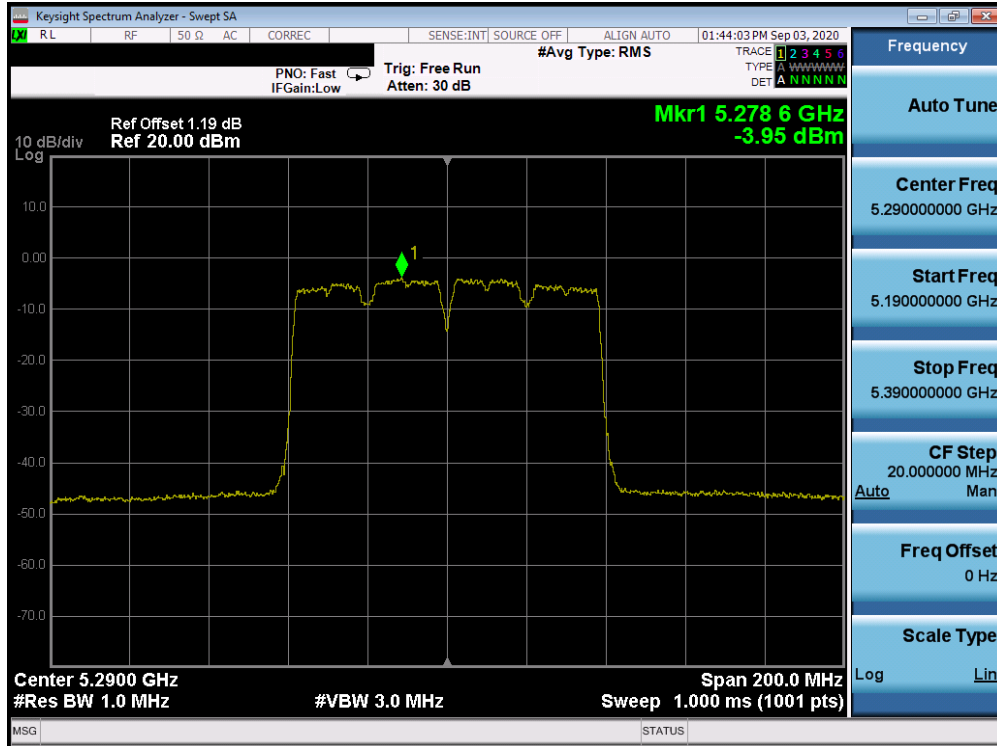


Plot 7-271. Power Spectral Density Plot CDD Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

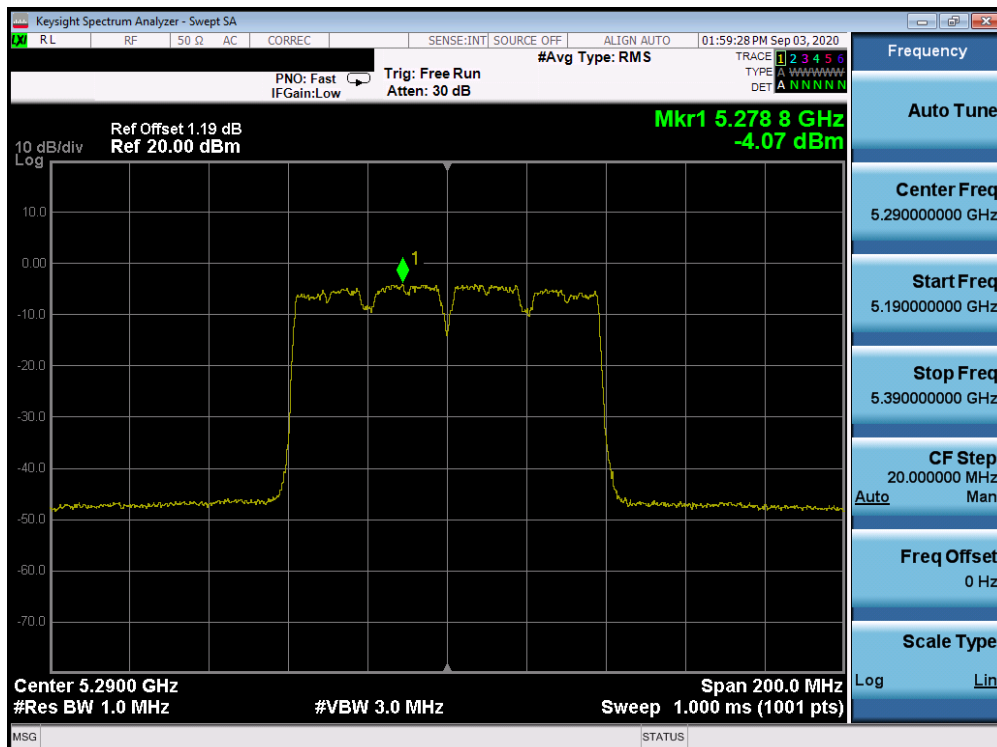


Plot 7-272. Power Spectral Density Plot CDD Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 182 of 344                 |

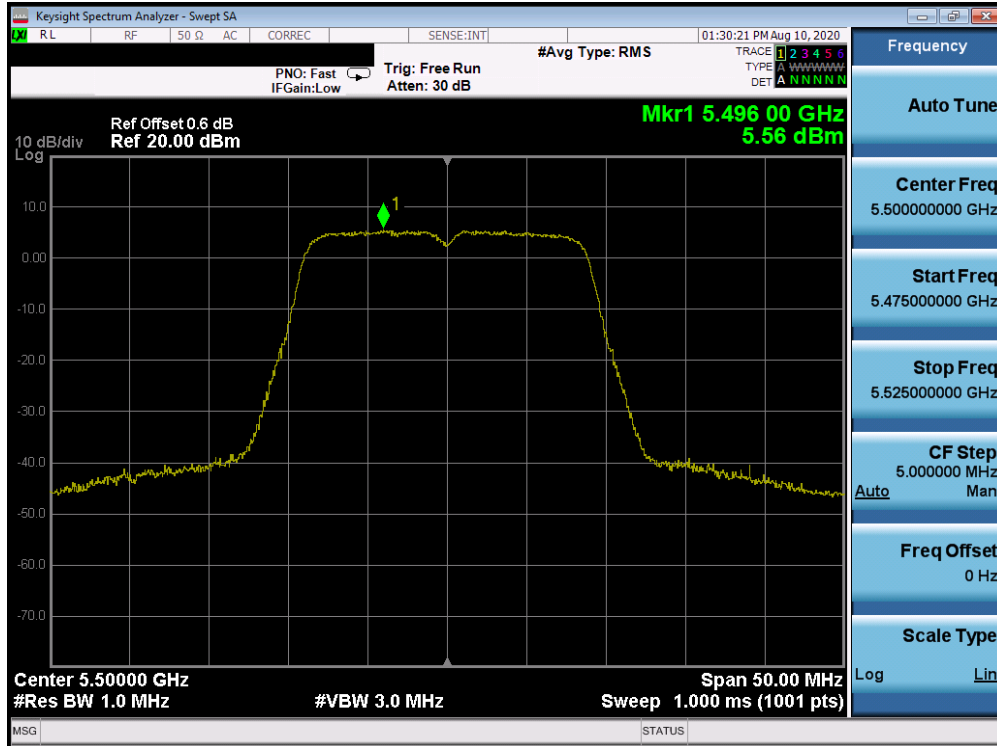


Plot 7-273. Power Spectral Density Plot CDD Diversity Antenna 2b (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

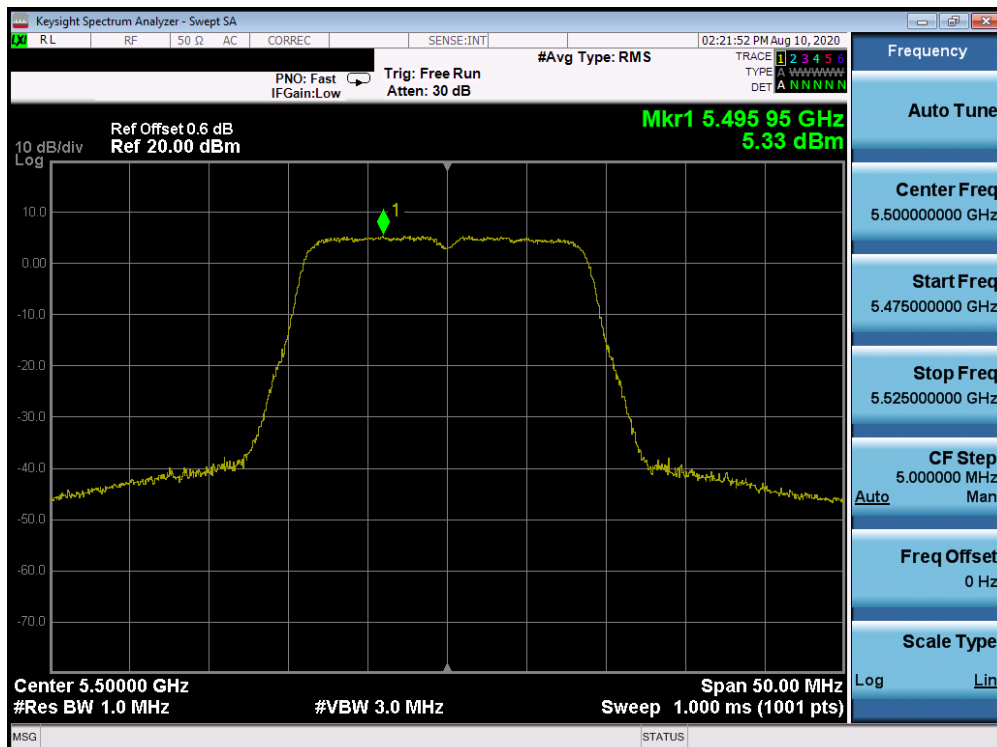


Plot 7-274. Power Spectral Density Plot CDD Diversity Antenna 1b (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 183 of 344                 |

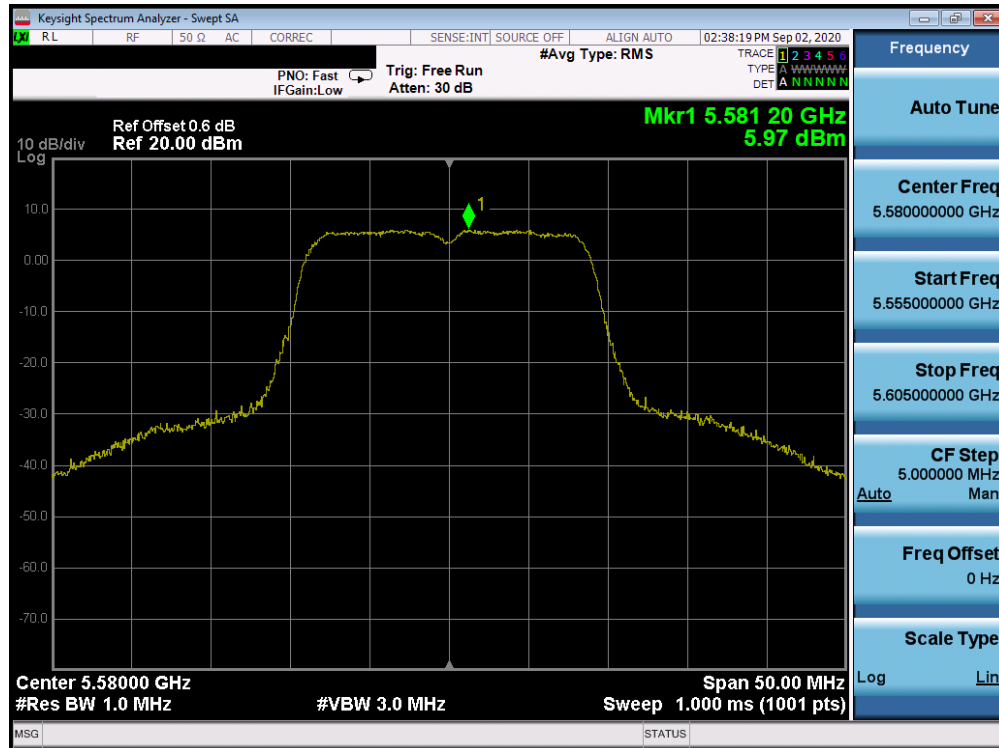


Plot 7-275. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

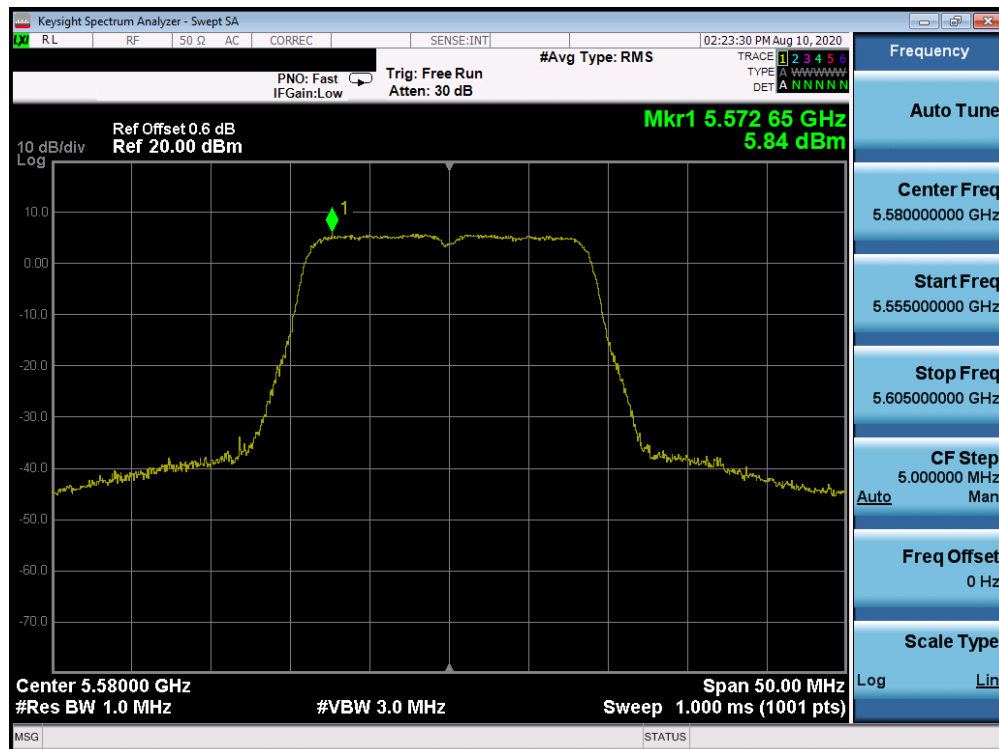


Plot 7-276. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 184 of 344                 |

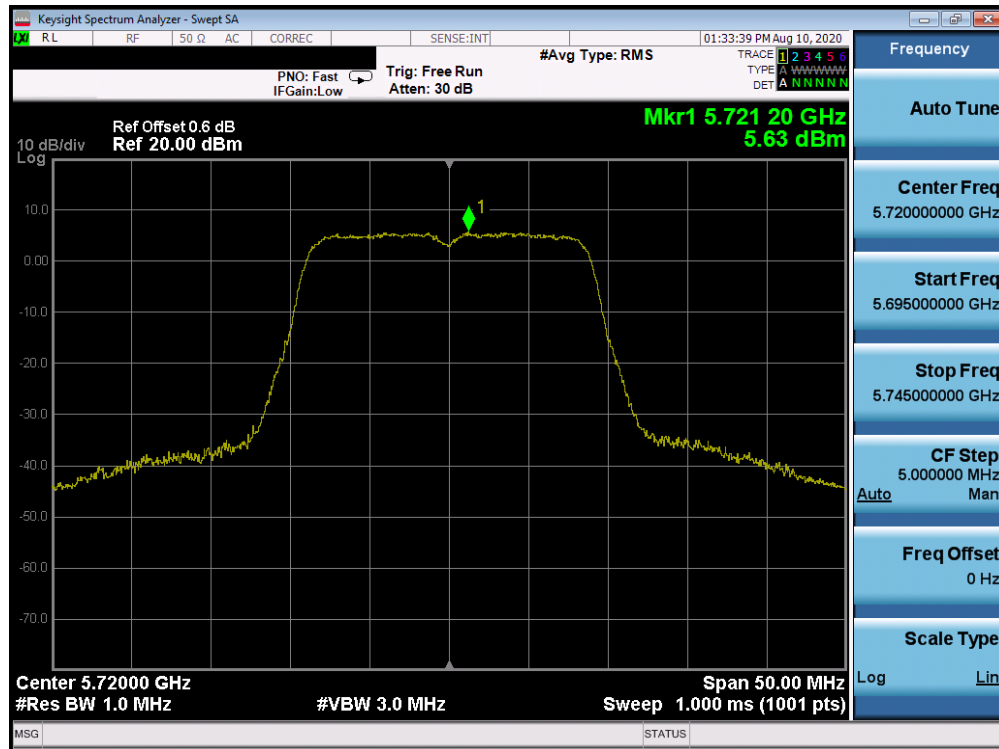


Plot 7-277. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 2C) – Ch. 116

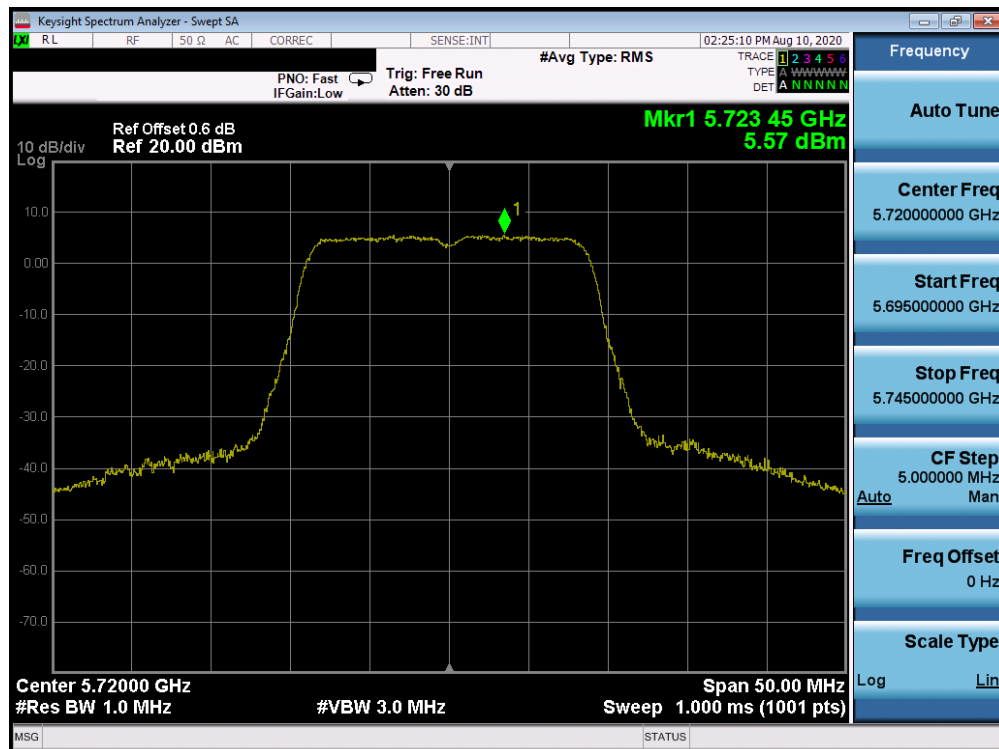


Plot 7-278. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 2C) – Ch. 116)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 185 of 344                 |

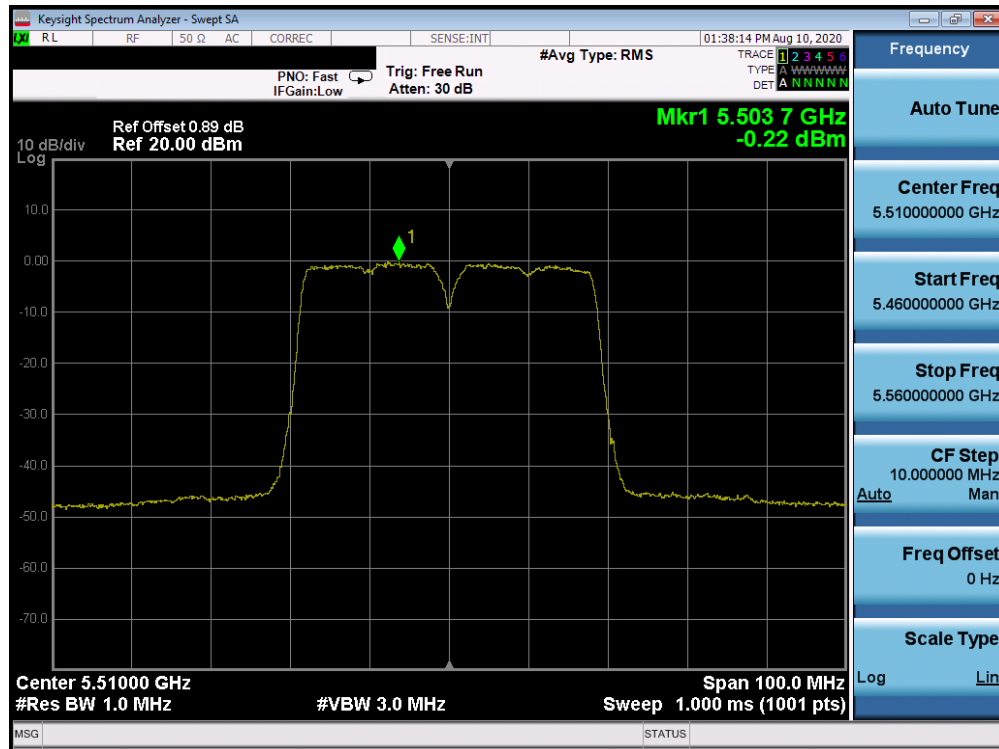


Plot 7-279. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 2C) – Ch. 144

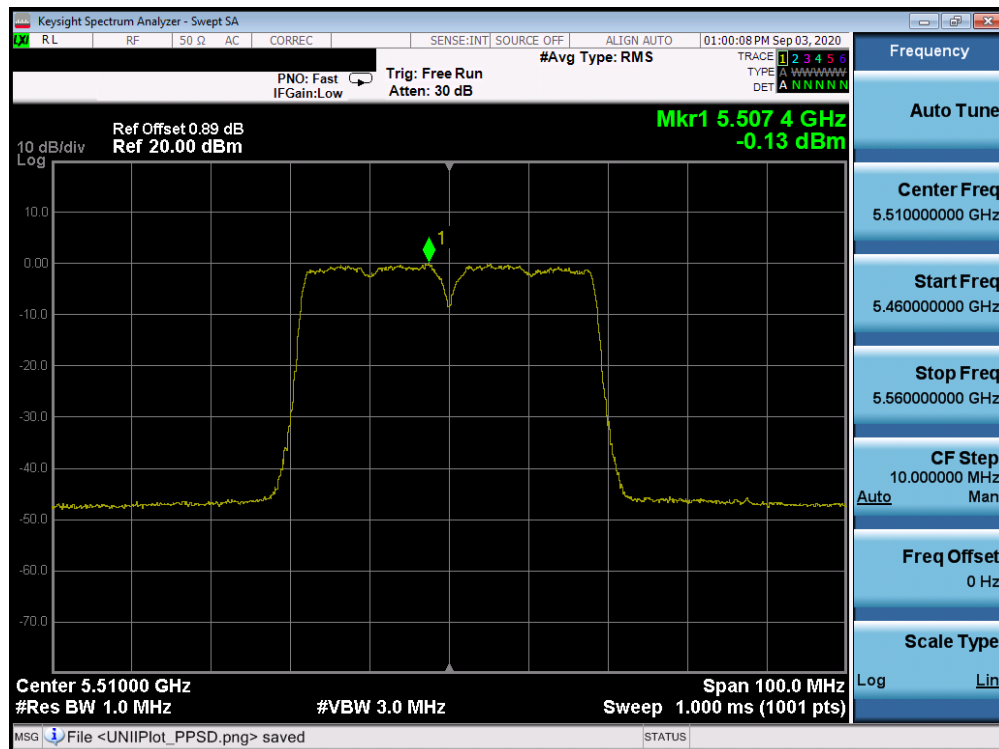


Plot 7-280. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 186 of 344                 |



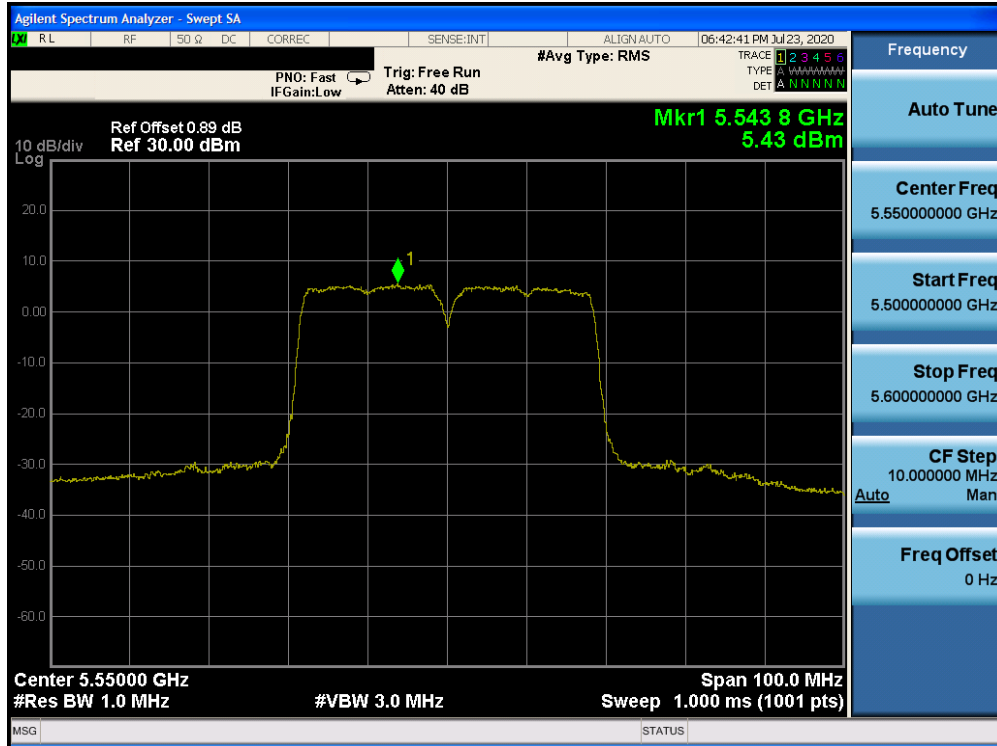
Plot 7-281. Power Spectral Density Plot CDD Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)



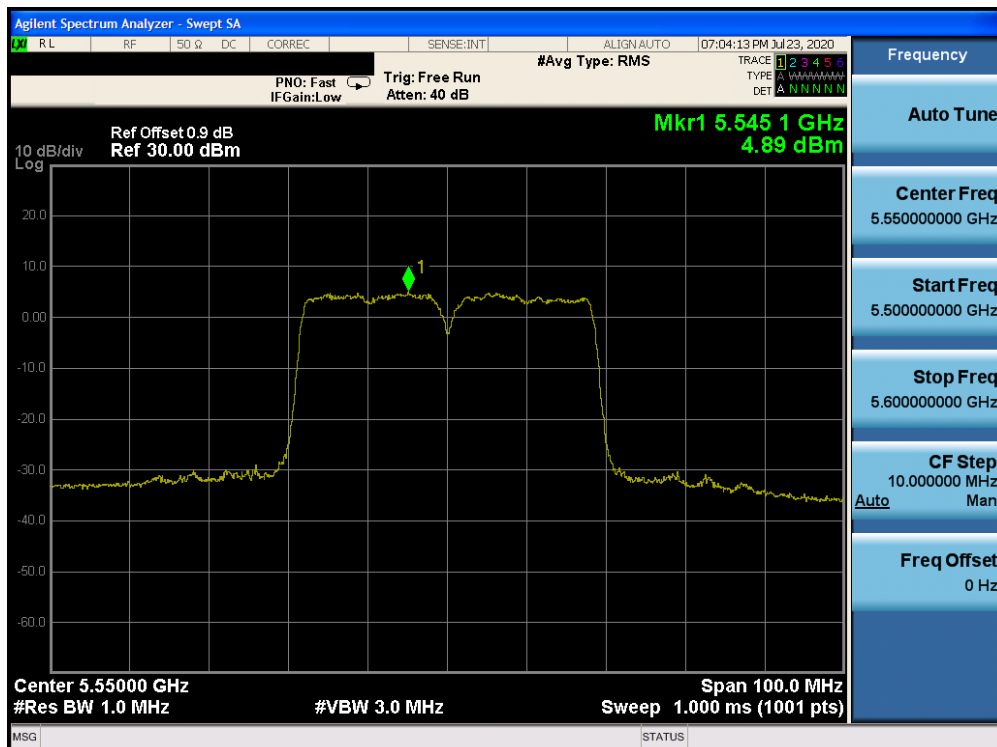
Plot 7-282. Power Spectral Density Plot CDD Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 187 of 344                 |



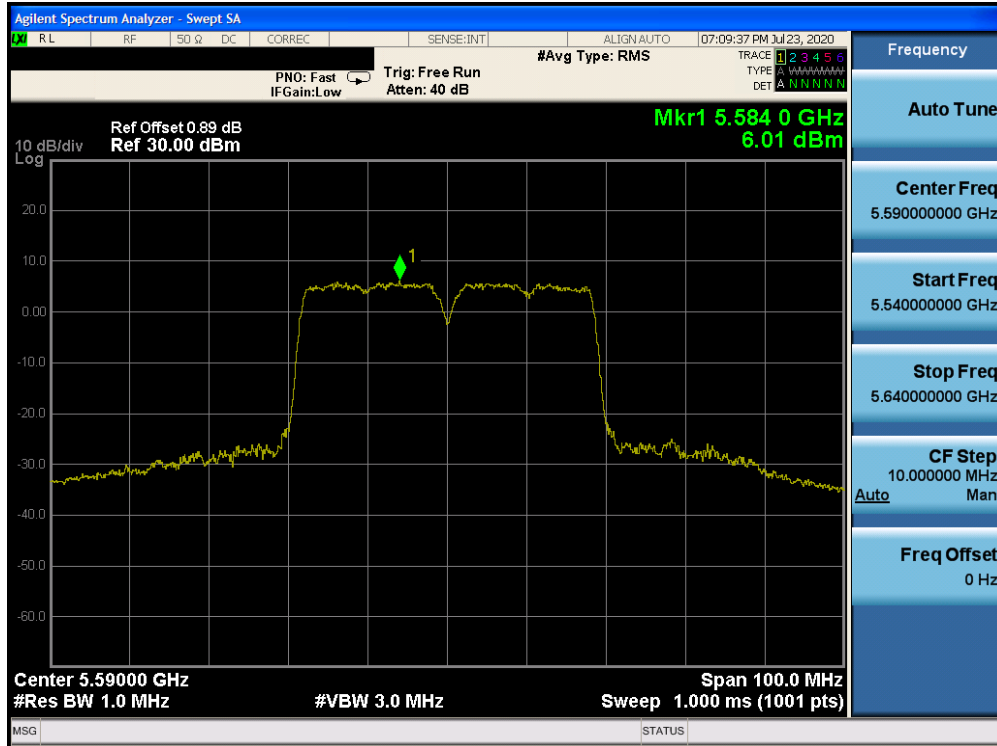


Plot 7-283. Power Spectral Density Plot CDD Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 2C) – Ch. 110)

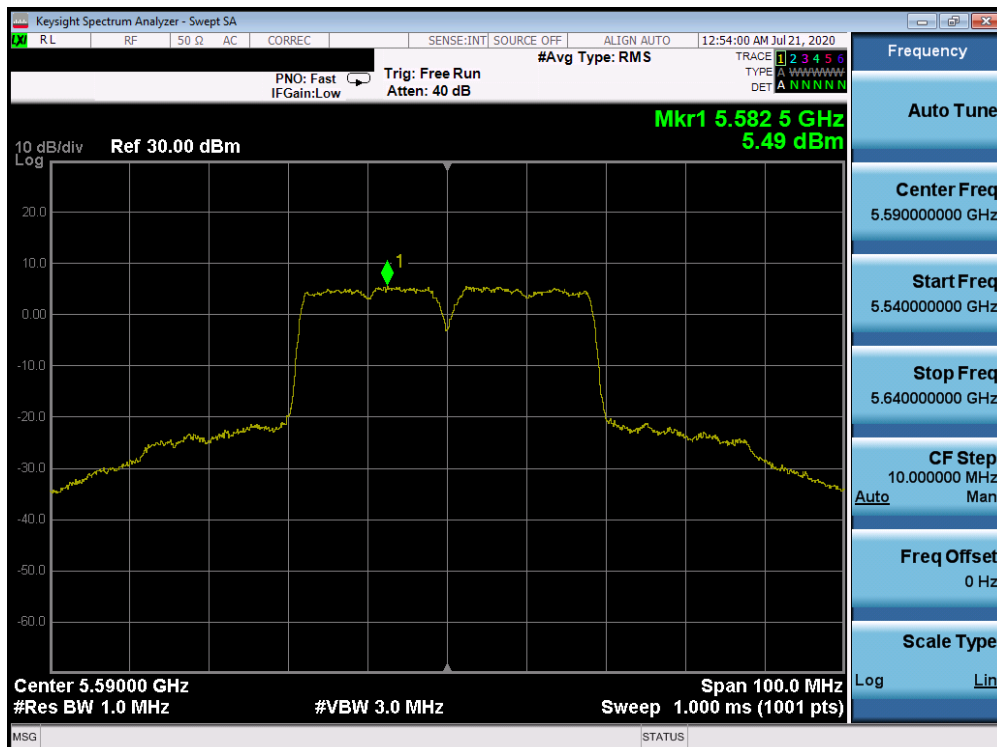


Plot 7-284. Power Spectral Density Plot CDD Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 2C) – Ch. 110)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 188 of 344                 |

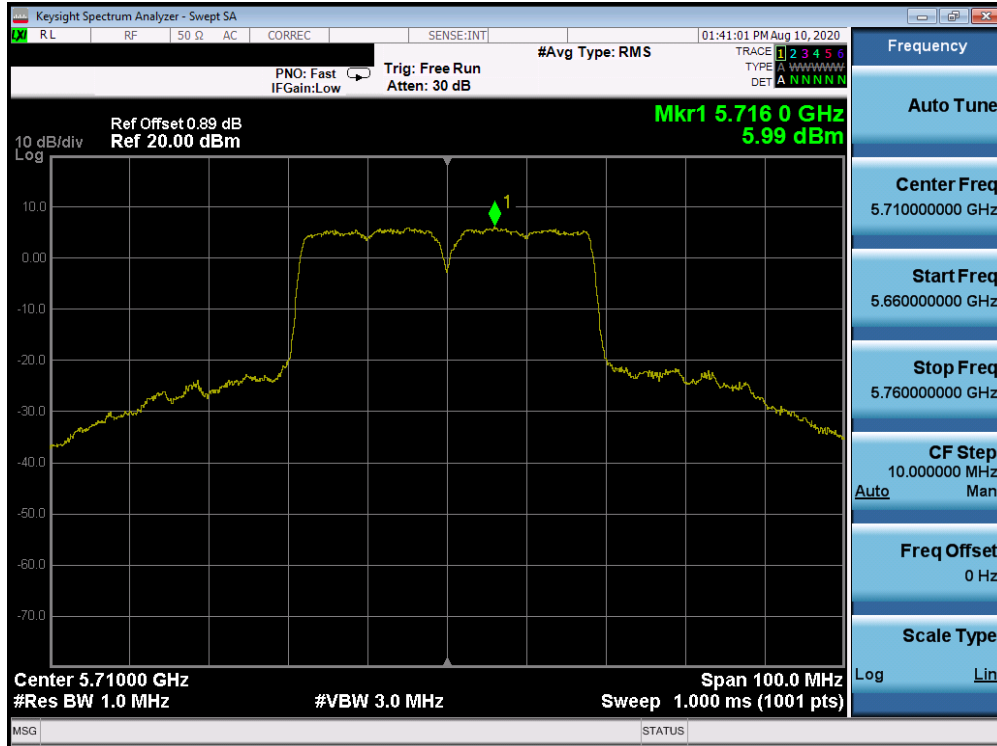


Plot 7-285. Power Spectral Density Plot CDD Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

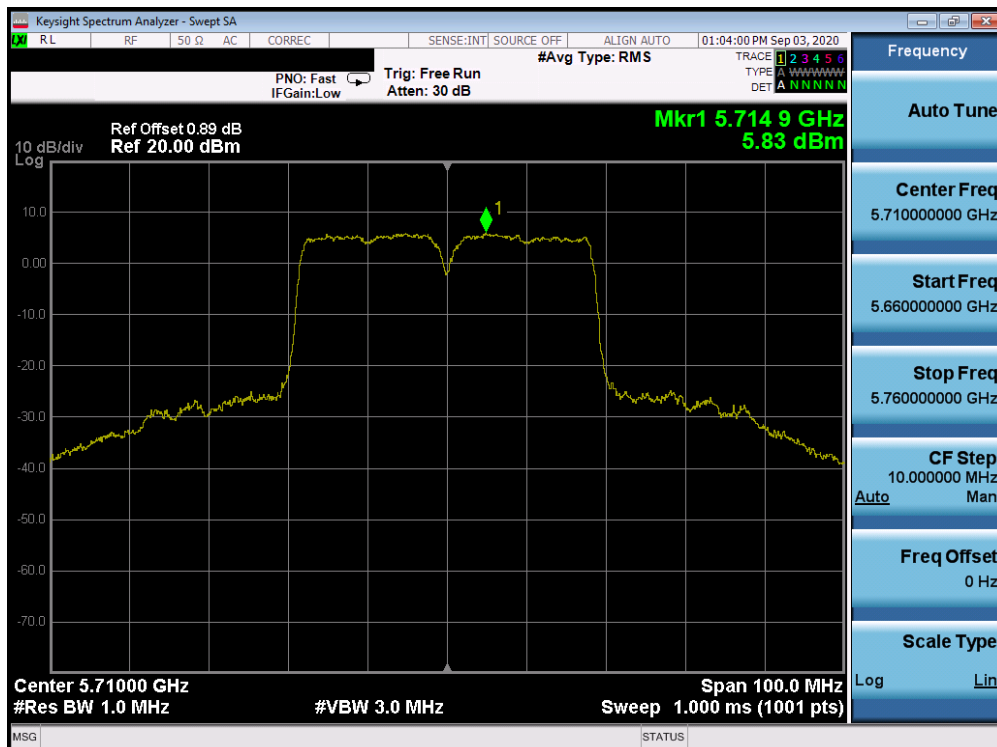


Plot 7-286. Power Spectral Density Plot CDD Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 189 of 344                 |

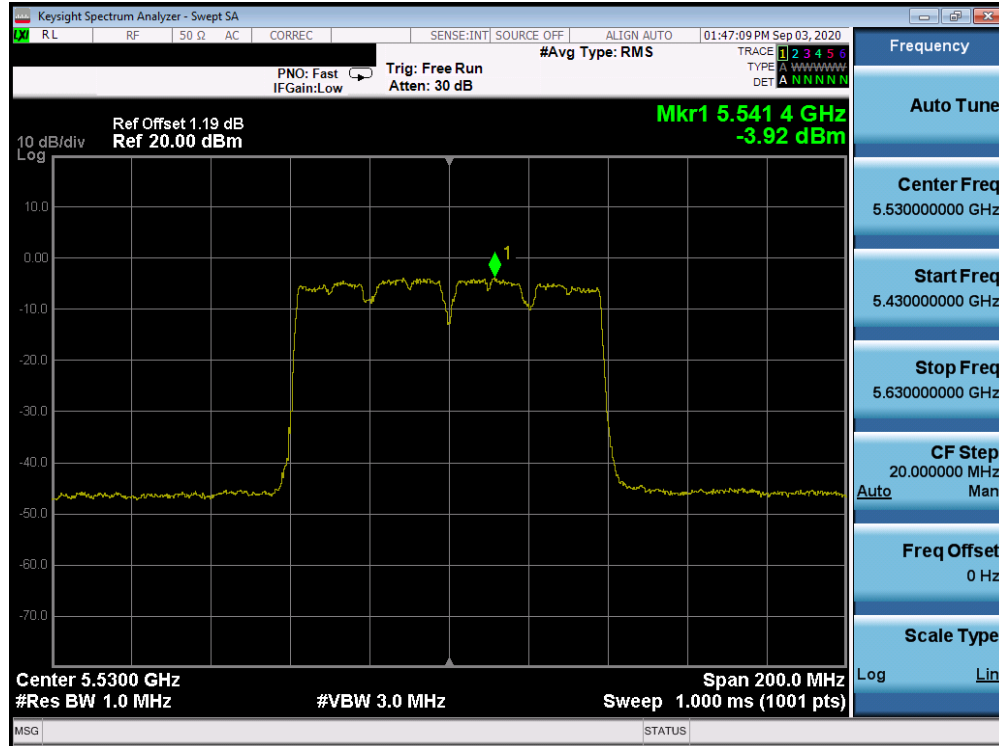


Plot 7-287. Power Spectral Density Plot CDD Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

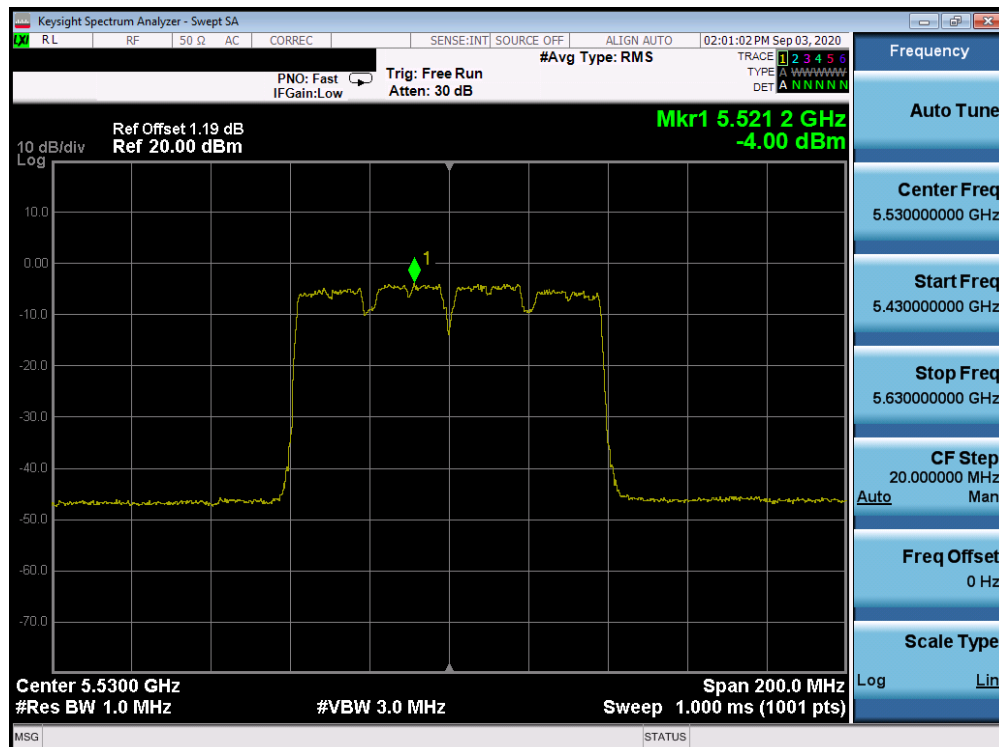


Plot 7-288. Power Spectral Density Plot CDD Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 190 of 344                 |

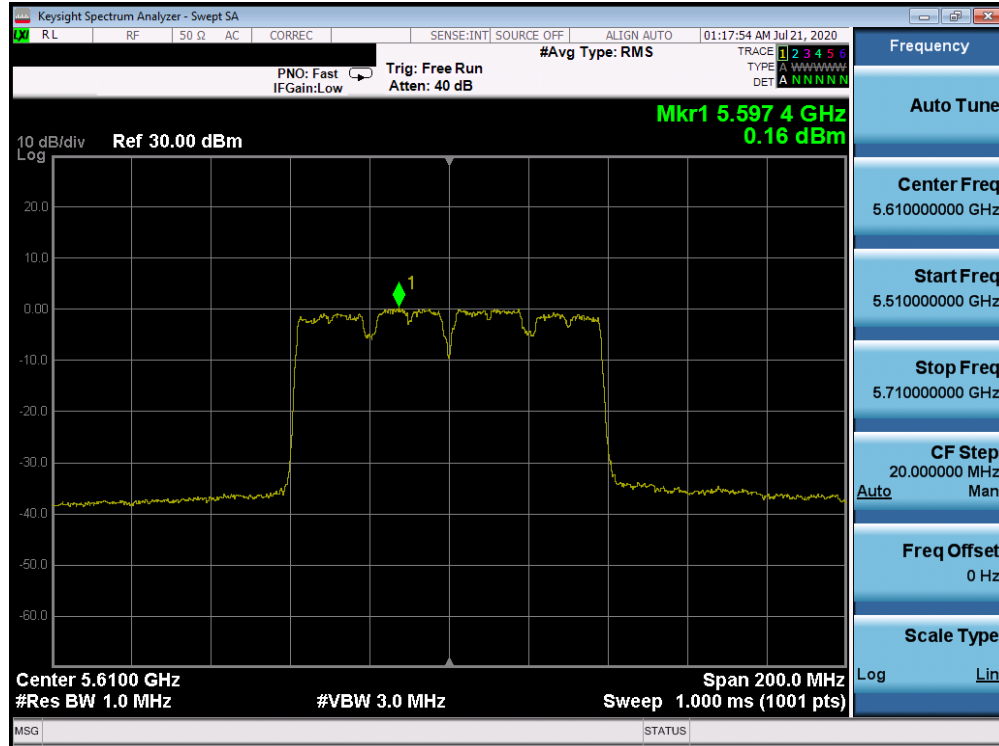


Plot 7-289. Power Spectral Density Plot CDD Diversity Antenna 2b (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

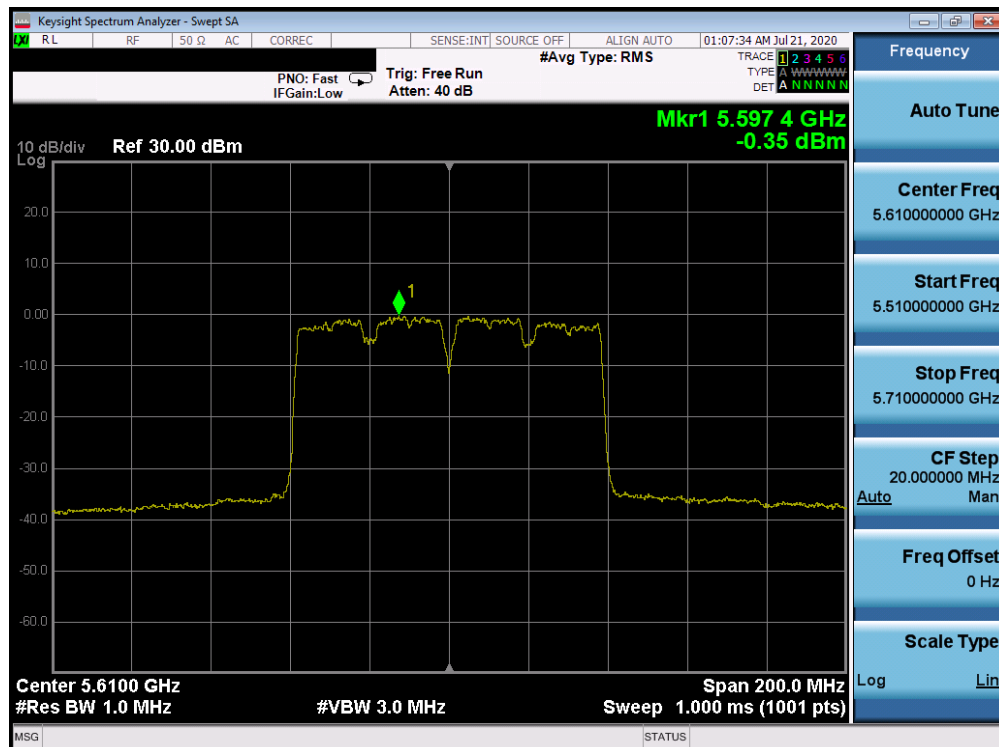


Plot 7-290. Power Spectral Density Plot CDD Diversity Antenna 1b (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 191 of 344                 |

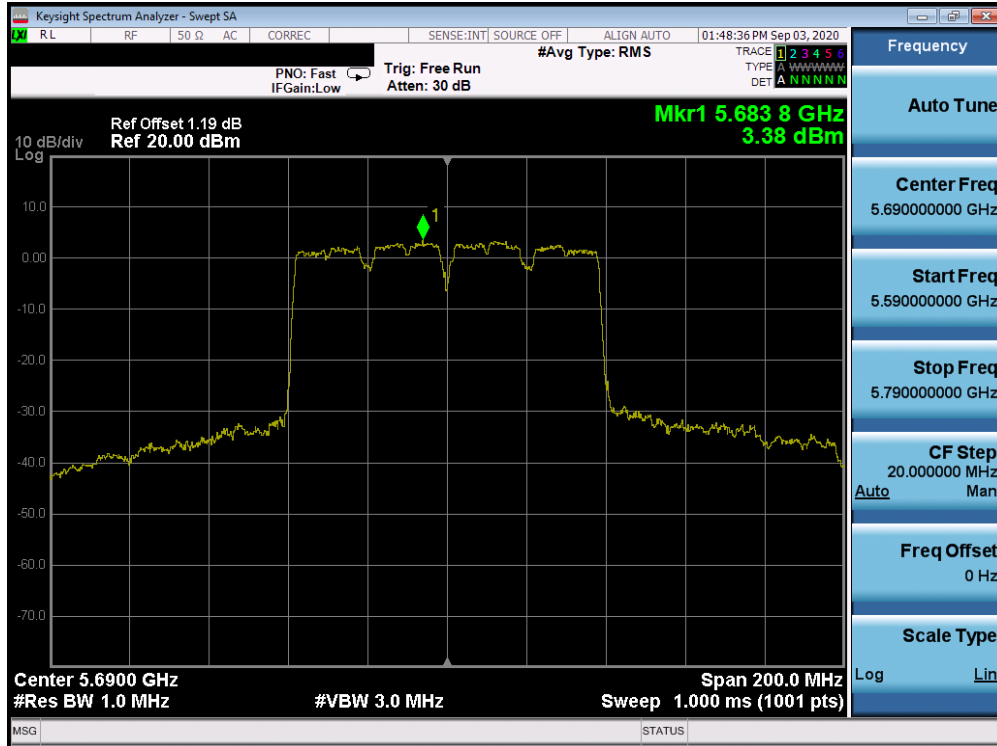


Plot 7-291. Power Spectral Density Plot CDD Diversity Antenna 2b (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

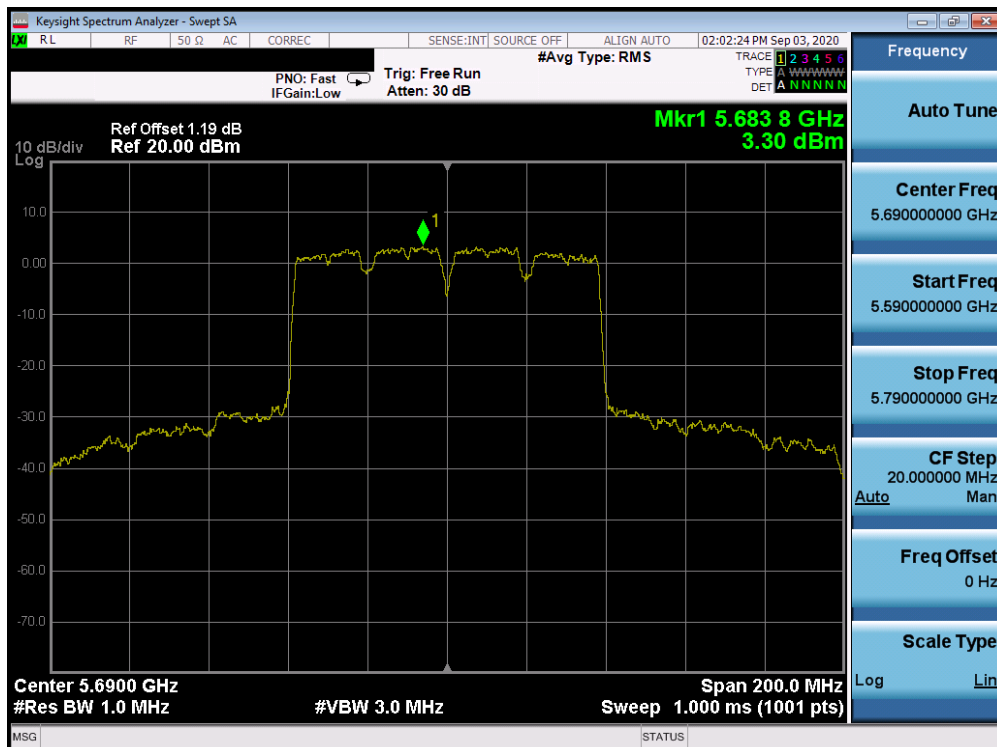


Plot 7-292. Power Spectral Density Plot CDD Diversity Antenna 1b (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 192 of 344                 |



Plot 7-293. Power Spectral Density Plot CDD Diversity Antenna 2b (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)



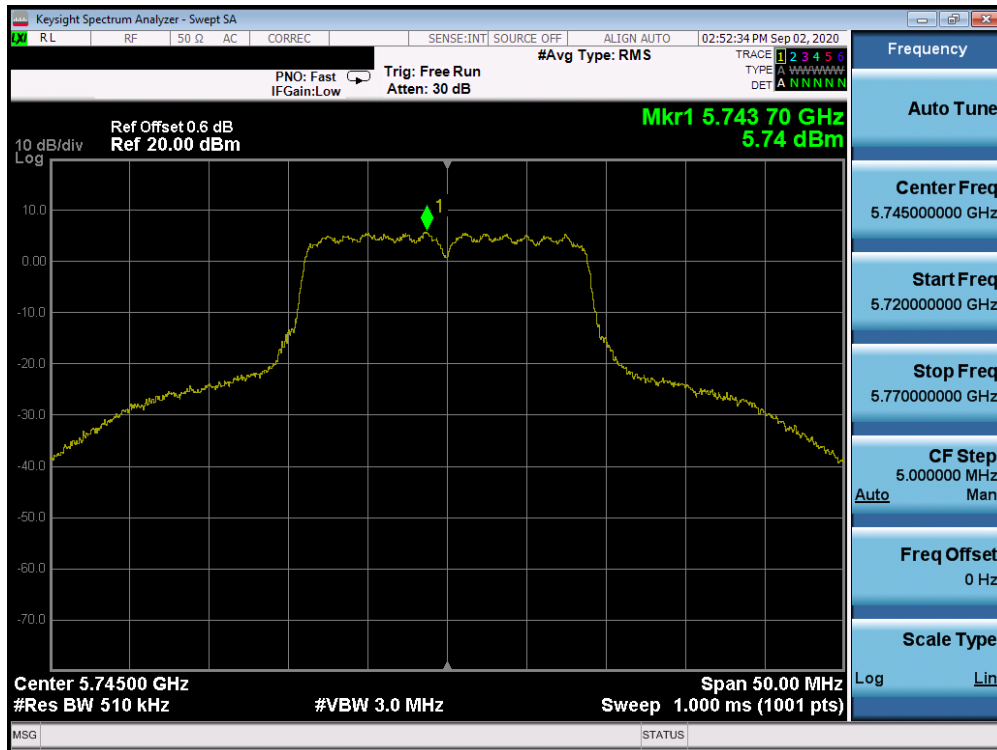
Plot 7-294. Power Spectral Density Plot CDD Diversity Antenna 1b (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 193 of 344                 |

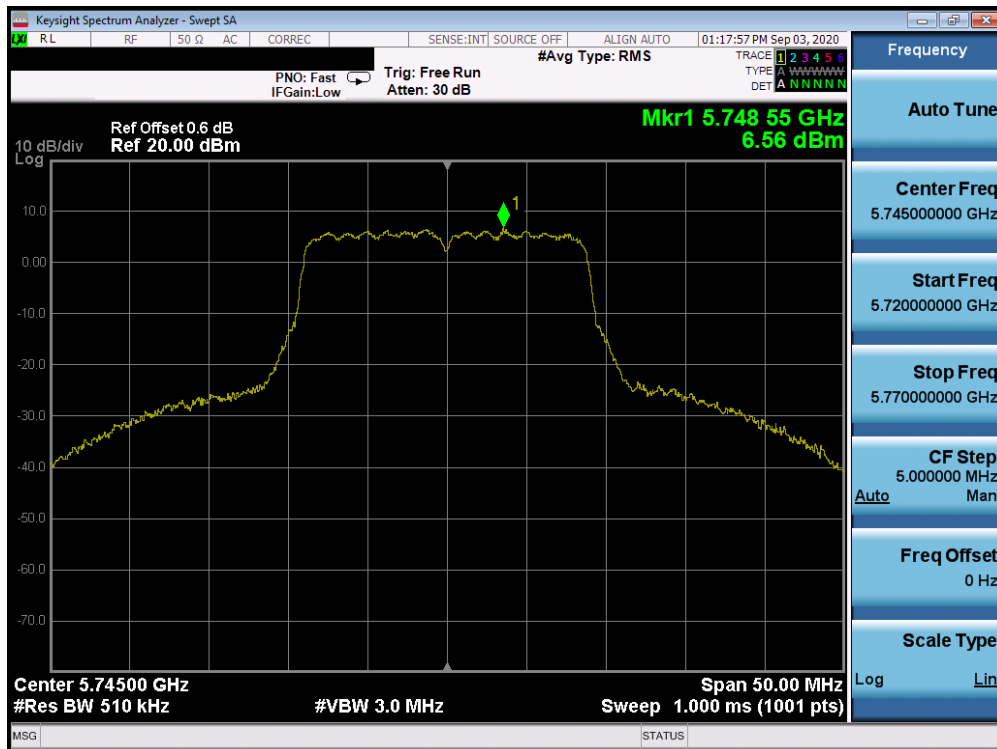
|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps]  | Antenna 2b Power Density [dBm/500kHz] | Antenna 1b Power Density [dBm/500kHz] | Summed Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|-------------------|---------------------------------------|---------------------------------------|-----------------------------------|--------------------------------------------|-------------|
| Band 3 | 5745            | 149         | n (20MHz)   | 130/144.4 (MCS15) | 5.74                                  | 6.56                                  | 9.18                              | 30.0                                       | -20.82      |
|        | 5785            | 157         | n (20MHz)   | 130/144.4 (MCS15) | 5.96                                  | 6.11                                  | 9.05                              | 30.0                                       | -20.95      |
|        | 5825            | 165         | n (20MHz)   | 130/144.4 (MCS15) | 5.69                                  | 6.63                                  | 9.20                              | 30.0                                       | -20.80      |
|        | 5755            | 151         | n (40MHz)   | 270/300 (MCS15)   | 4.52                                  | 4.34                                  | 7.44                              | 30.0                                       | -22.56      |
|        | 5795            | 159         | n (40MHz)   | 270/300 (MCS15)   | 4.36                                  | 4.51                                  | 7.45                              | 30.0                                       | -22.55      |
|        | 5775            | 155         | ac (80MHz)  | 780/866.7 (MCS9)  | -0.20                                 | -0.04                                 | 2.89                              | 30.0                                       | -27.11      |

**Table 7-56. Band 3 CDD Diversity Power Spectral Density Measurements**

|                                         |                                                                                                                                  |                            |                                 |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                                                                           | EUT Type:<br>Tablet Device | Page 194 of 344                 |



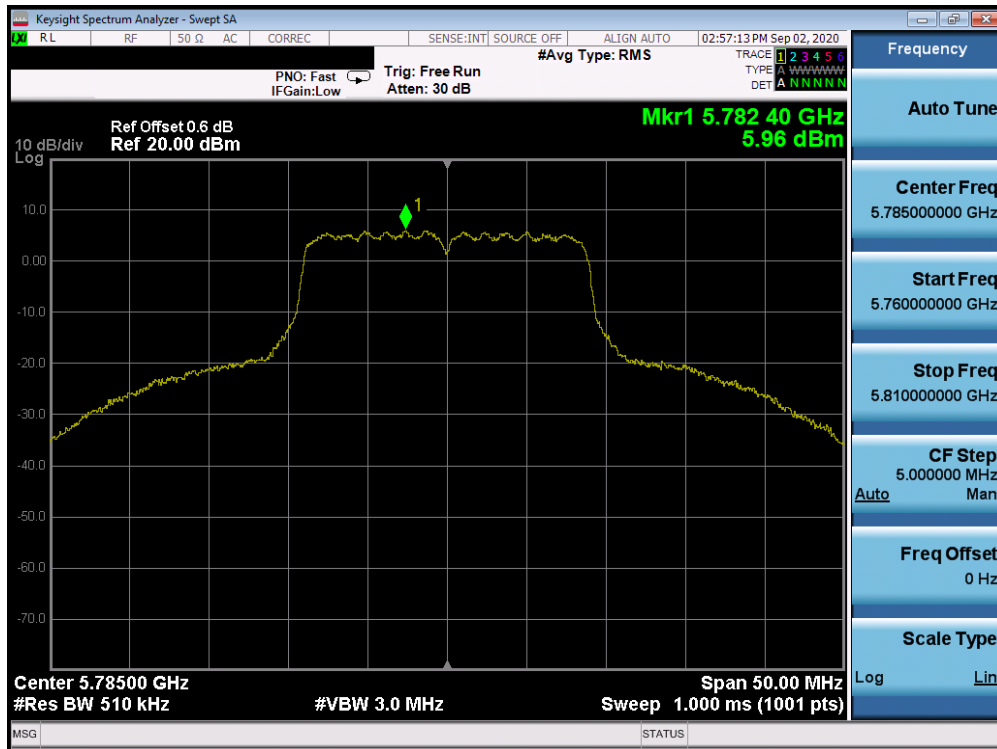
Plot 7-295. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 3) – Ch. 149)



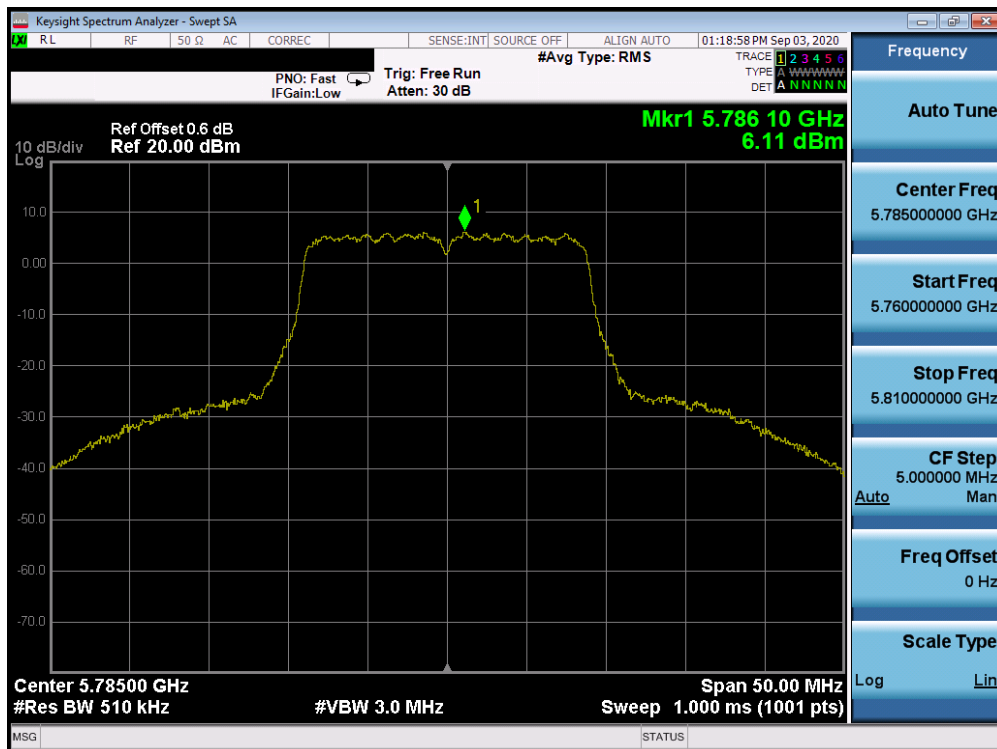
Plot 7-296. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

|                                         |                                                                                                                                                                                                              |                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  <b>PCTEST</b><br>Proud to be part of  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                                                                                                                                                       | EUT Type:<br>Tablet Device            | Page 195 of 344                 |



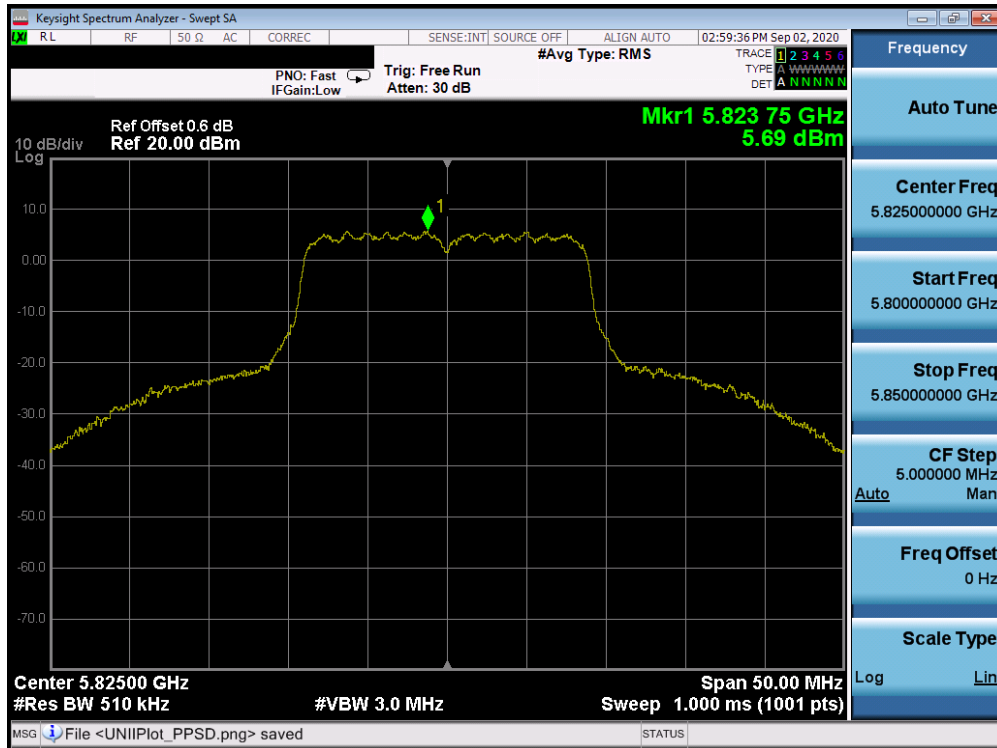


Plot 7-297. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

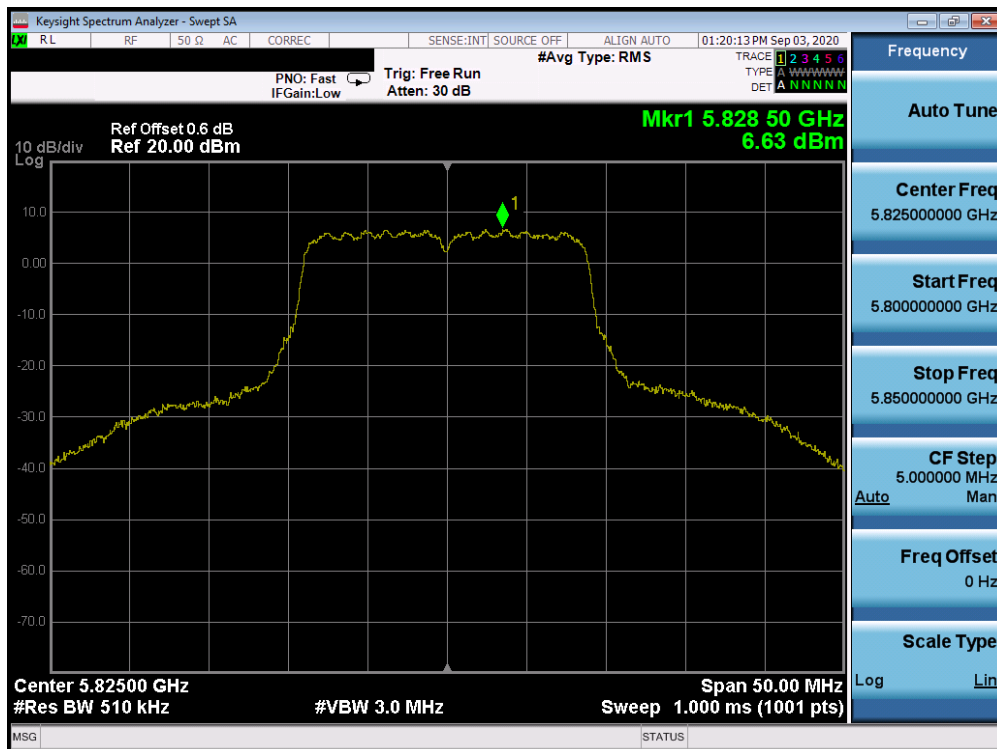


Plot 7-298. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 196 of 344                 |

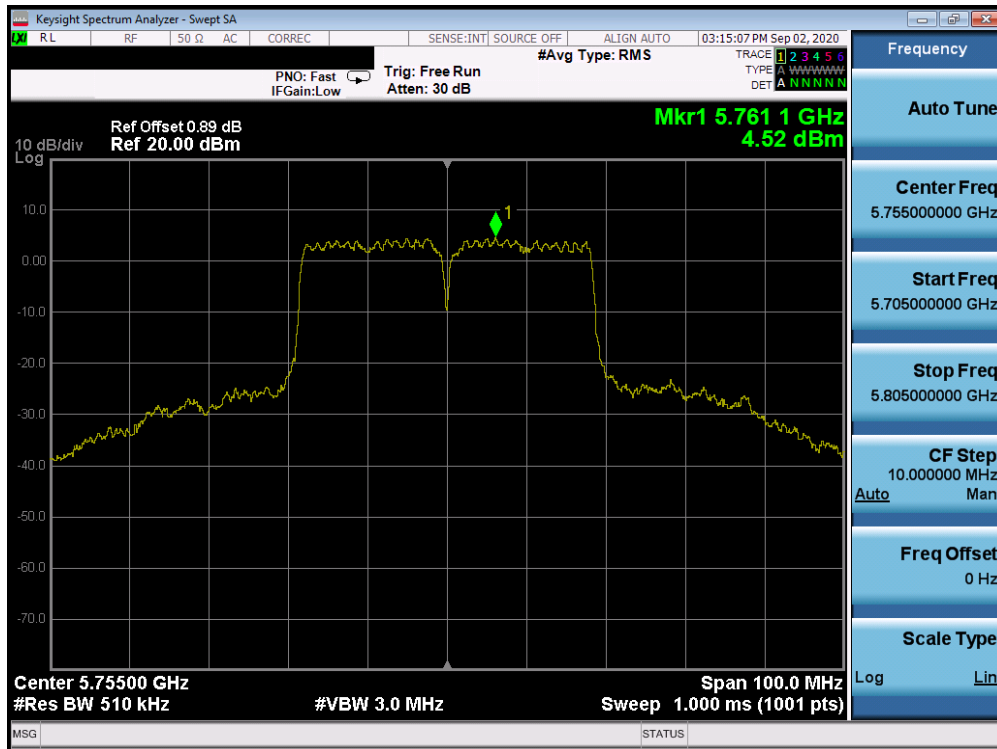


Plot 7-299. Power Spectral Density Plot CDD Diversity Antenna 2b (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

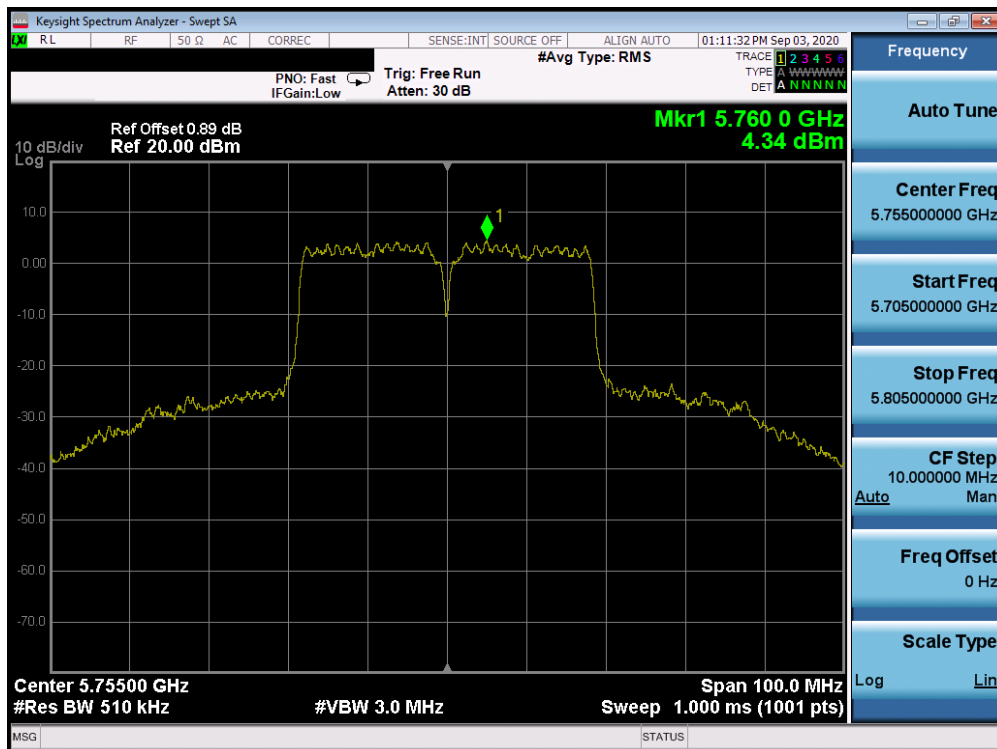


Plot 7-300. Power Spectral Density Plot CDD Diversity Antenna 1b (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 197 of 344                 |

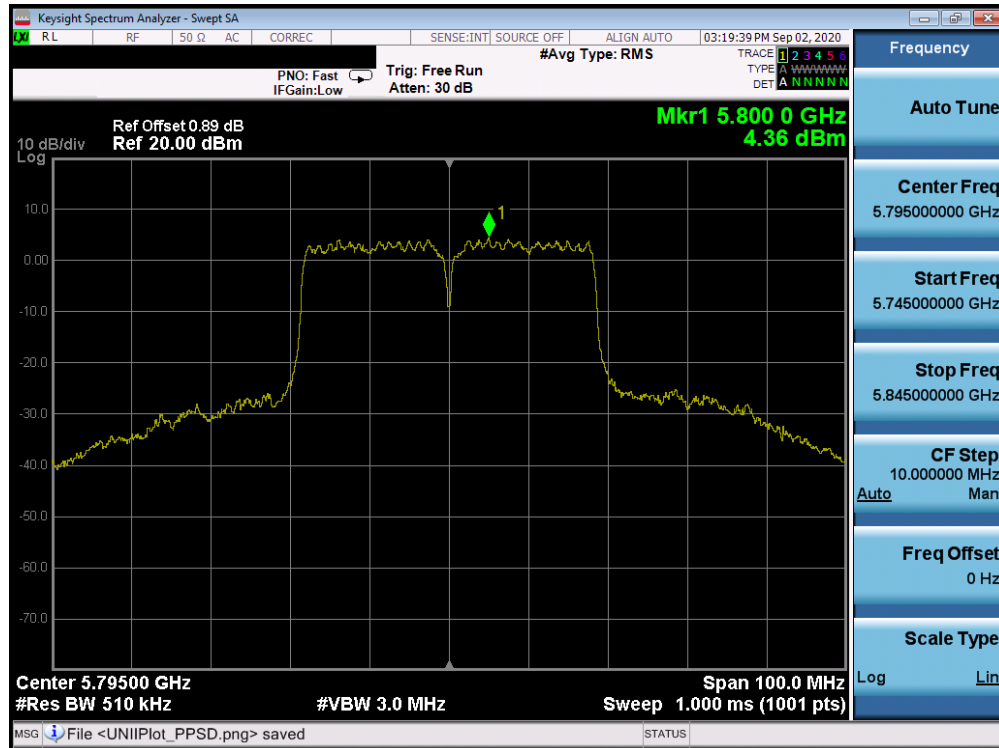


Plot 7-301. Power Spectral Density Plot CDD Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

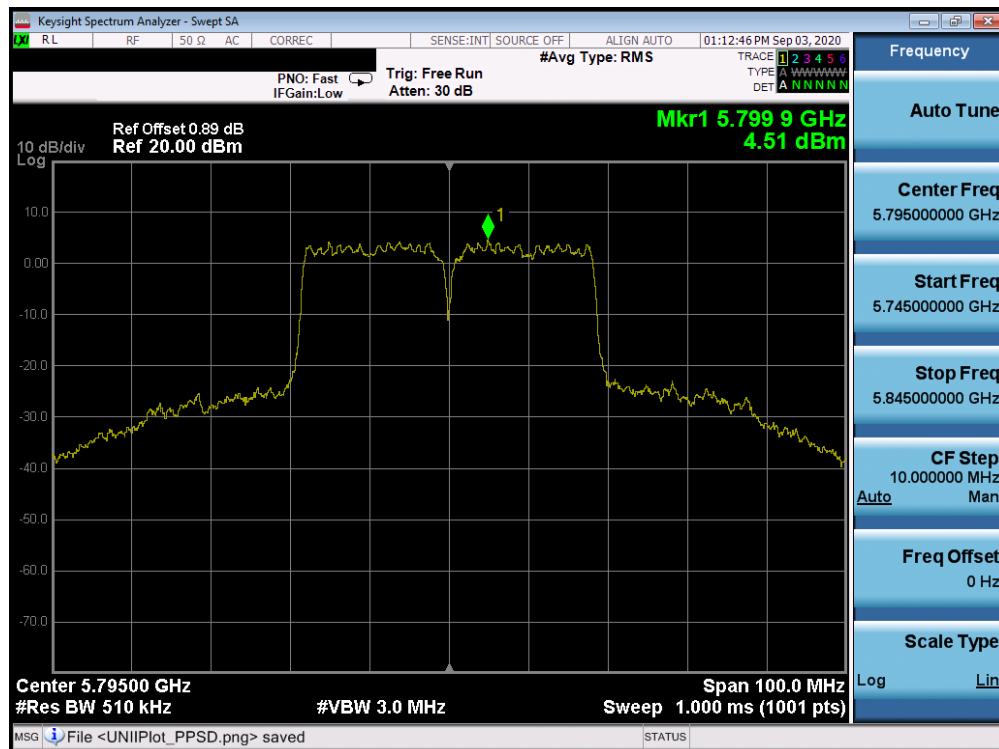


Plot 7-302. Power Spectral Density Plot CDD Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 198 of 344                 |

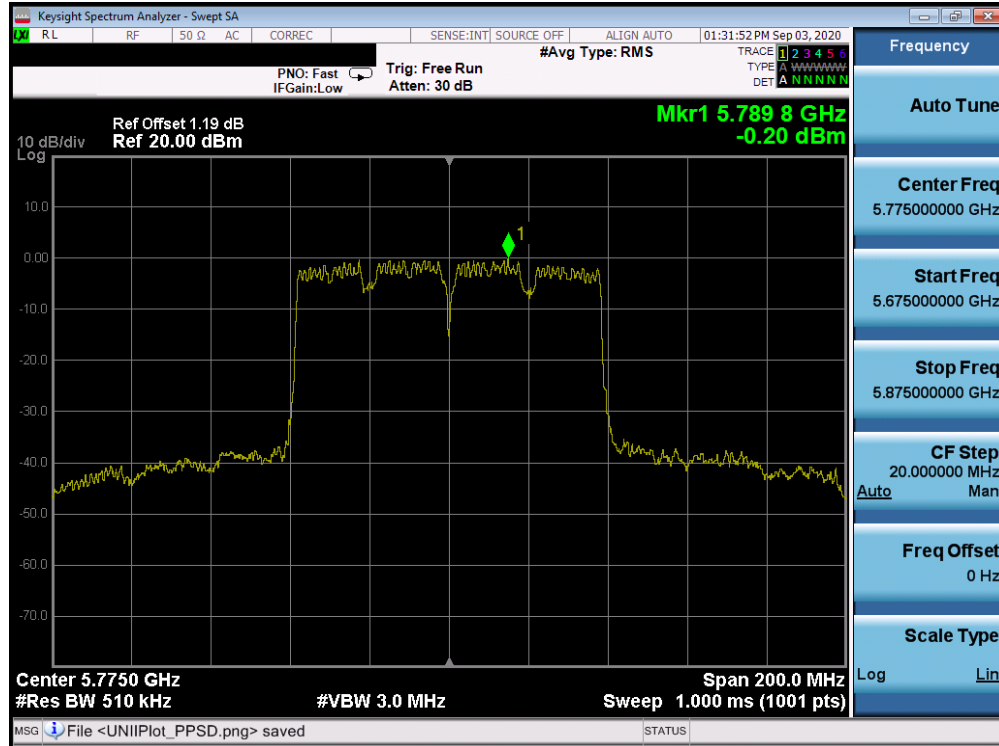


Plot 7-303. Power Spectral Density Plot CDD Diversity Antenna 2b (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

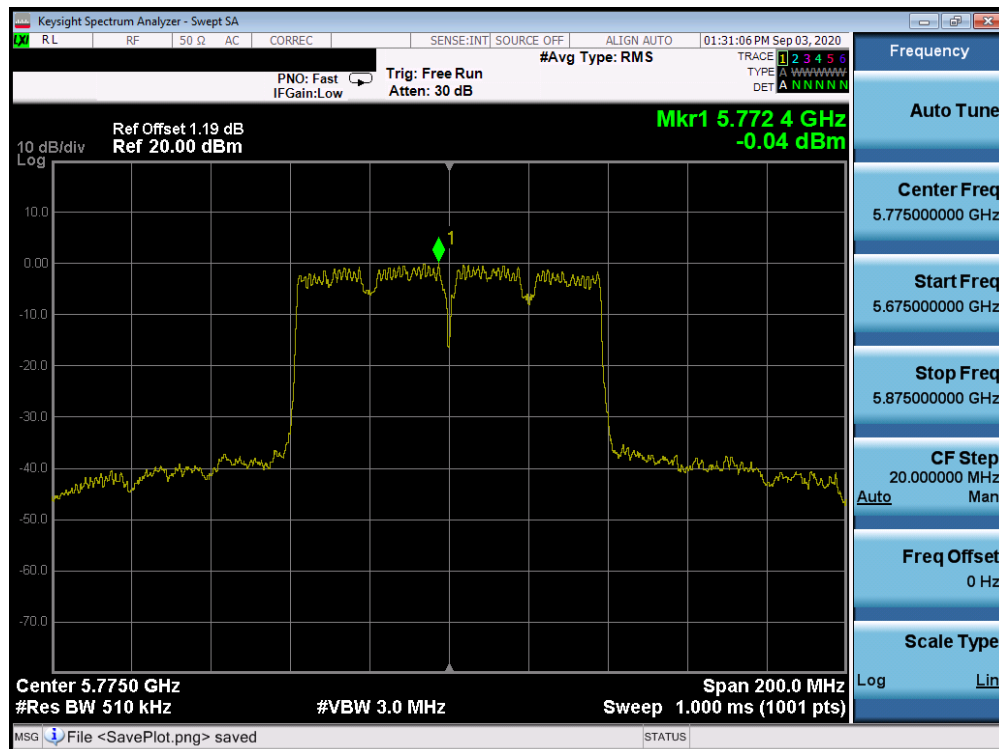


Plot 7-304. Power Spectral Density Plot CDD Diversity Antenna 1b (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 199 of 344                 |



Plot 7-305. Power Spectral Density Plot CDD Diversity Antenna 2b (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)



Plot 7-306. Power Spectral Density Plot CDD Diversity Antenna 1b (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 200 of 344                 |

**Note:**

Per ANSI C63.10-2013 Section 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna 1 and Antenna 2 were first measured separately as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

**Sample CDD/SDM Primary Calculation:**

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted power spectral density was measured to be 5.88 dBm for Antenna 2b and 5.19 dBm for Antenna 2a.

Antenna 2b + Antenna 2a = CDD/SDM Primary

$$(5.88 \text{ dBm} + 5.19 \text{ dBm}) = (3.87 \text{ mW} + 3.30 \text{ mW}) = 7.18 \text{ mW} = 8.56 \text{ dBm}$$

**Sample e.i.r.p Power Spectral Density Calculation:**

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO power density was calculated to be 8.56 dBm with directional gain of 1.42 dBi.

$$\text{e.i.r.p. Power Spectral Density(dBm)} = \text{Power Spectral Density (dBm)} + \text{Ant gain (dBi)}$$

$$8.56 \text{ dBm} + 1.42 \text{ dBi} = 4.44 \text{ dBm}$$

|                                                |                                                                                                                                                                                                              |                                               |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------|
| FCC ID: BCGA2072                               |  <b>PCTEST</b><br>Proud to be part of  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2004270030-12.BCG | <b>Test Dates:</b><br>07/16/2020 - 09/08/2020                                                                                                                                                                | <b>EUT Type:</b><br>Tablet Device             | Page 201 of 344                        |

## 7.6 Radiated Spurious Emissions – Above 1GHz

§15.407(b) §15.205 §15.209; RSS-Gen [8.9]

### Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. 802.11a, 802.11n (20MHz BW), 802.11n (40MHz BW), and 802.11ac (80MHz)), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

***For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.***

***For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.***

***For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.***

***All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-57 per Section 15.209 and RSS-Gen (8.9).***

| Frequency       | Field Strength<br>[ $\mu\text{V/m}$ ] | Measured Distance<br>[Meters] |
|-----------------|---------------------------------------|-------------------------------|
| Above 960.0 MHz | 500                                   | 3                             |

Table 7-57. Radiated Limits

### Test Procedures Used

ANSI C63.10-2013 – Sections 12.7.7.2, 12.7.6, 12.7.5  
 KDB 789033 D02 v02r01 – Section G

### Test Settings

#### Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be  $\geq 2 \times \text{span/RBW}$ )
6. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

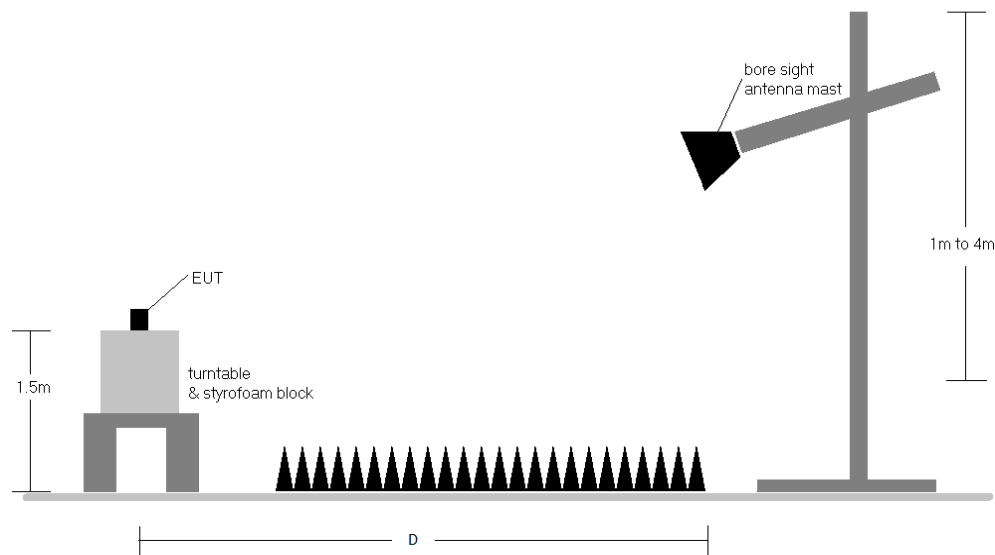
|                                         |                                                                                                                                                                                                              |                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  <b>PCTEST</b><br>Proud to be part of  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                                                                                                                                                       | EUT Type:<br>Tablet Device            | Page 202 of 344                 |

### Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

### Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



**Figure 7-5. Test Instrument & Measurement Setup**

|                                                |                                               |                                               |                                        |
|------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------|
| FCC ID: BCGA2072                               | <b>PCTEST</b><br>Proud to be part of element  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2004270030-12.BCG | <b>Test Dates:</b><br>07/16/2020 - 09/08/2020 | <b>EUT Type:</b><br>Tablet Device             | Page 203 of 344                        |



## Test Notes

1. All emissions that lie in the restricted bands (denoted by a \* next to the frequency) specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-57.
2. All spurious emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-57. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
8. Per RSS-247 Section 6.2.3, transmission on channels which overlap the 5600-5650 MHz is prohibited. This device operates under these frequencies only under the control of a certified master device and does not support active scanning on these channels. This device does not transmit any beacons or initiate any transmissions in UNII Bands 2A or 2C.
9. All data rates were investigated and only the worse case is reported
10. The unit was tested with all possible modes and only the highest emission is reported.
11. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
12. Spot-check testing of the following data was performed and confirmed to be within guidance per Data Re-use KDB defined by the FCC.

## Sample Calculations

### Determining Spurious Emissions Levels

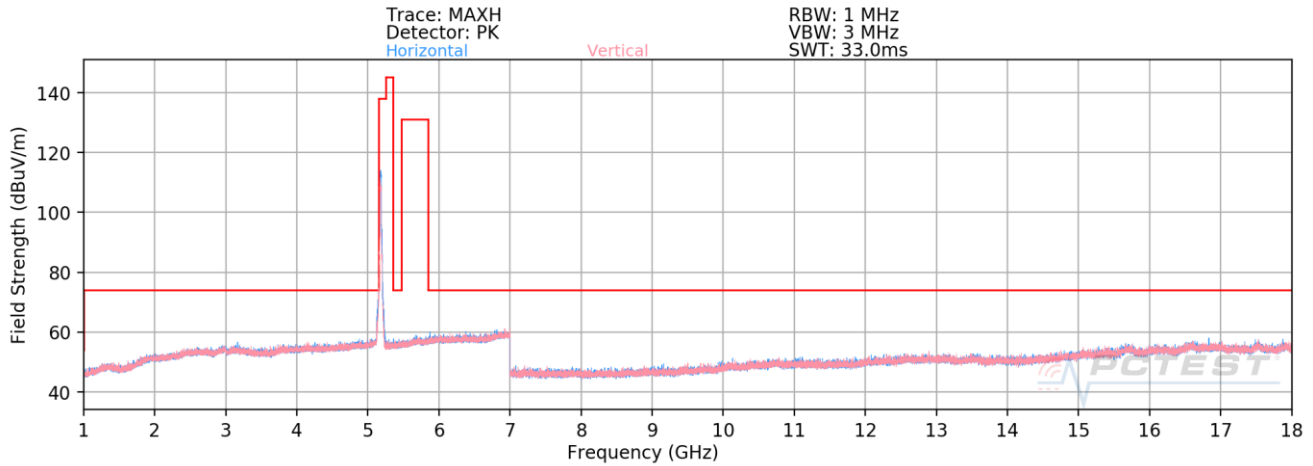
- Field Strength Level [dBμV/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] – Preamplifier Gain [dB]
- Margin [dB] = Field Strength Level [dBμV/m] – Limit [dBμV/m]

### Radiated Band Edge Measurement Offset

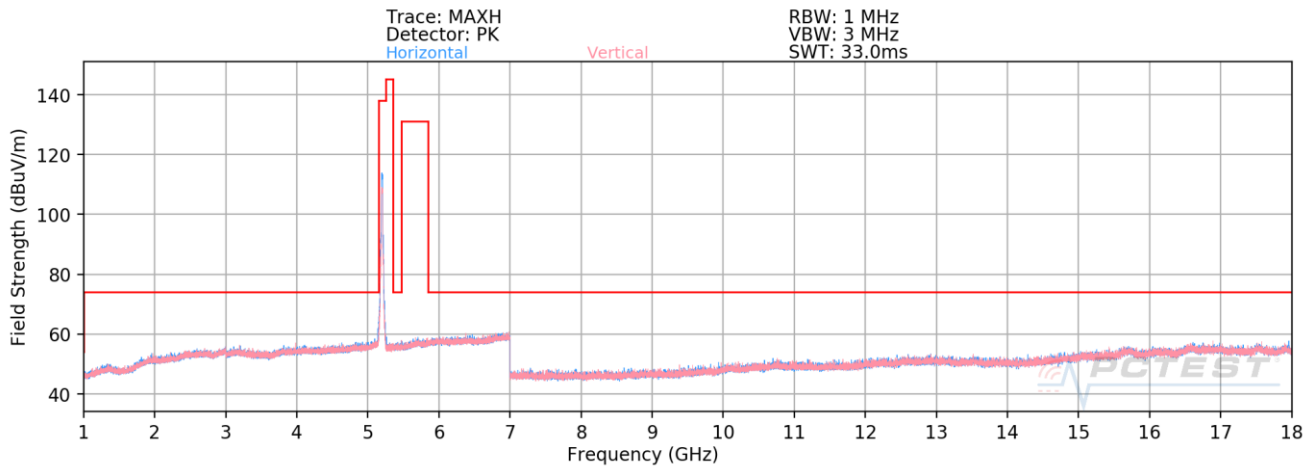
- The amplitude offset shown in the radiated restricted band edge plots in Section 7.6 was calculated using the formula:  
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

|                                                |                                                                                                                                                                                                              |                                               |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------|
| FCC ID: BCGA2072                               |  <b>PCTEST</b><br>Proud to be part of  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2004270030-12.BCG | <b>Test Dates:</b><br>07/16/2020 - 09/08/2020                                                                                                                                                                | <b>EUT Type:</b><br>Tablet Device             | Page 204 of 344                        |

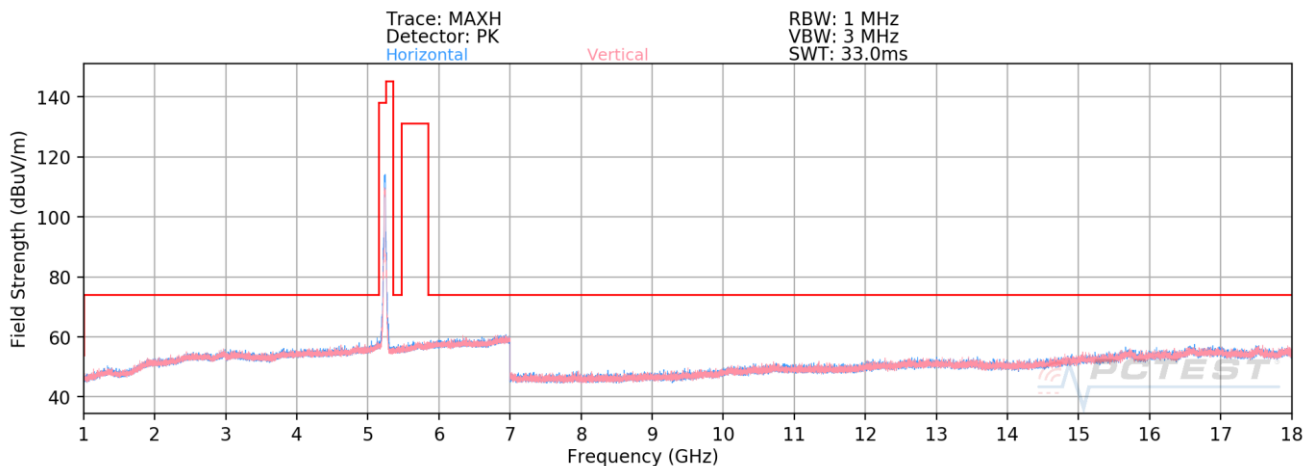
## 7.6.1 Antenna 2b Radiated Spurious Emission



**Plot 7-307. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11n – UNII 1 Ch. 36)**

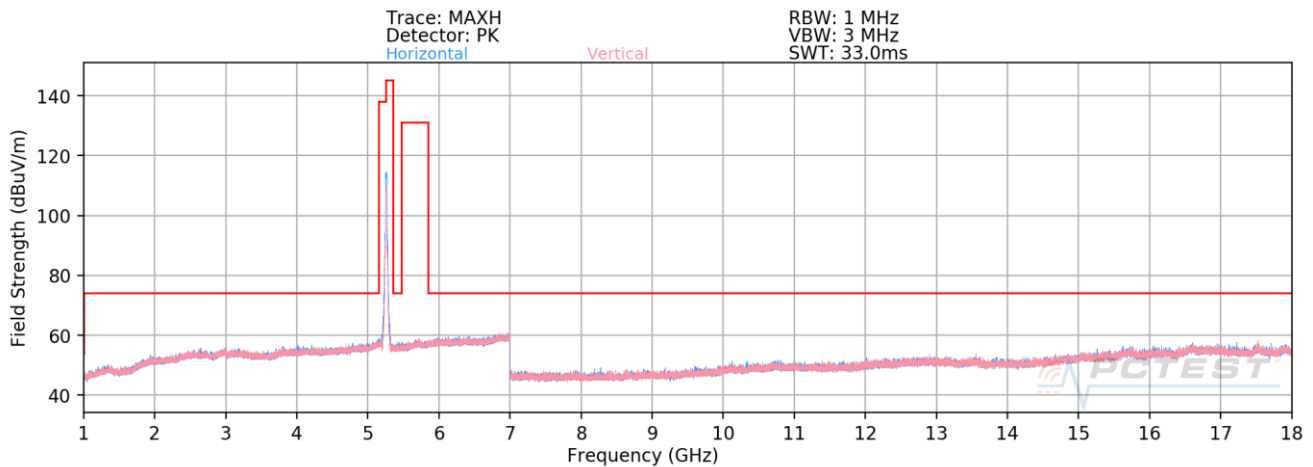


**Plot 7-308. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11n – UNII 1 Ch. 40)**

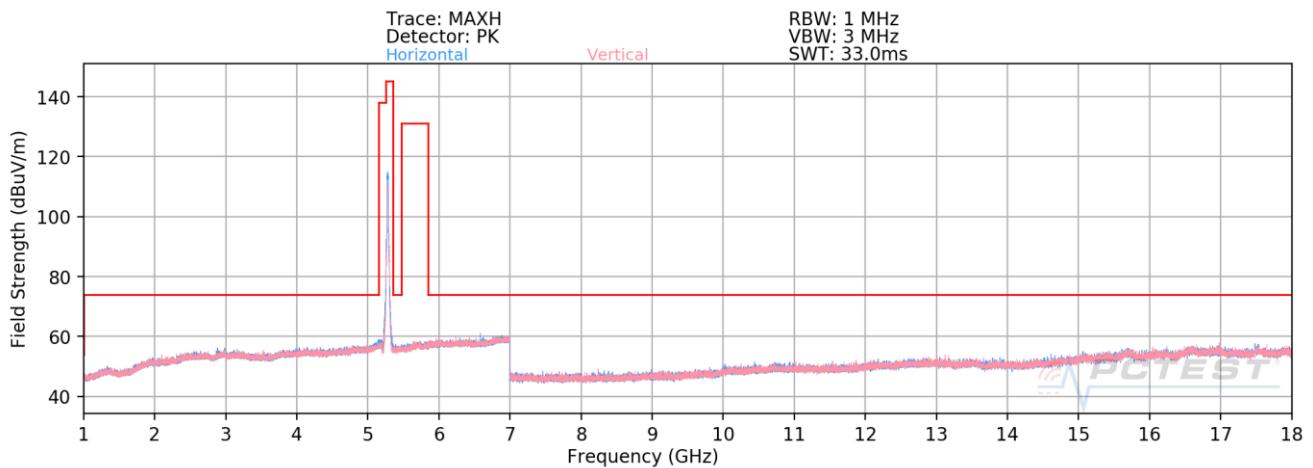


**Plot 7-309. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11n – UNII 1 Ch. 48)**

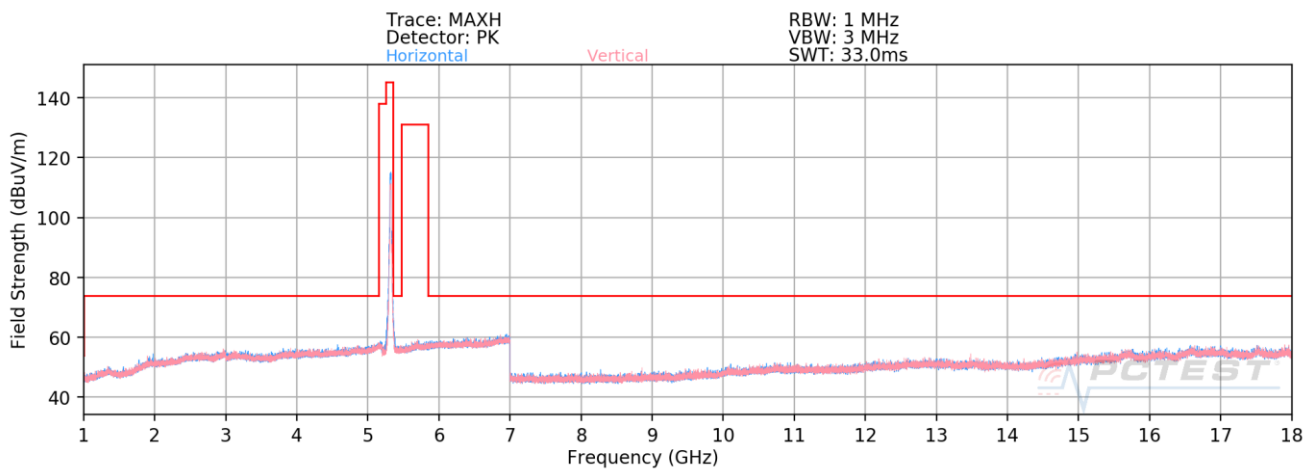
|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020                                              | EUT Type:<br>Tablet Device            | Page 205 of 344                 |



**Plot 7-310. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11n – UNII 2A Ch. 52)**



**Plot 7-311. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11n – UNII 2A Ch. 56)**



**Plot 7-312. Radiated Spurious Emissions above 1GHz Antenna 2b (802.11n – UNII 2A Ch. 64)**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2072                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270030-12.BCG | Test Dates:<br>07/16/2020 - 09/08/2020       | EUT Type:<br>Tablet Device            | Page 206 of 344                 |