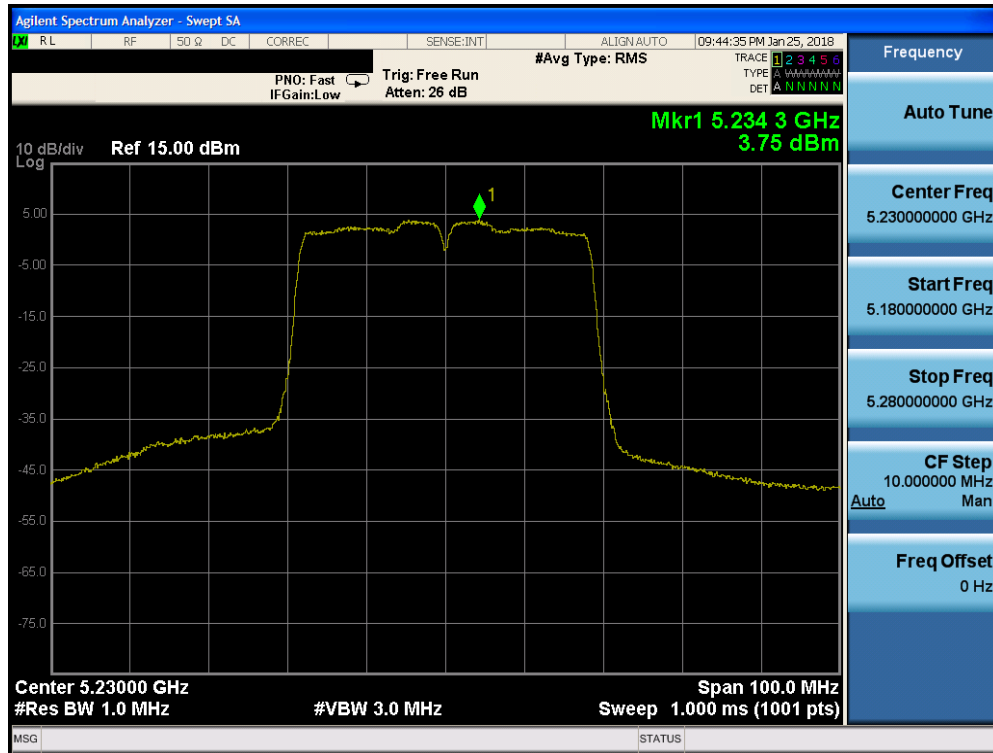
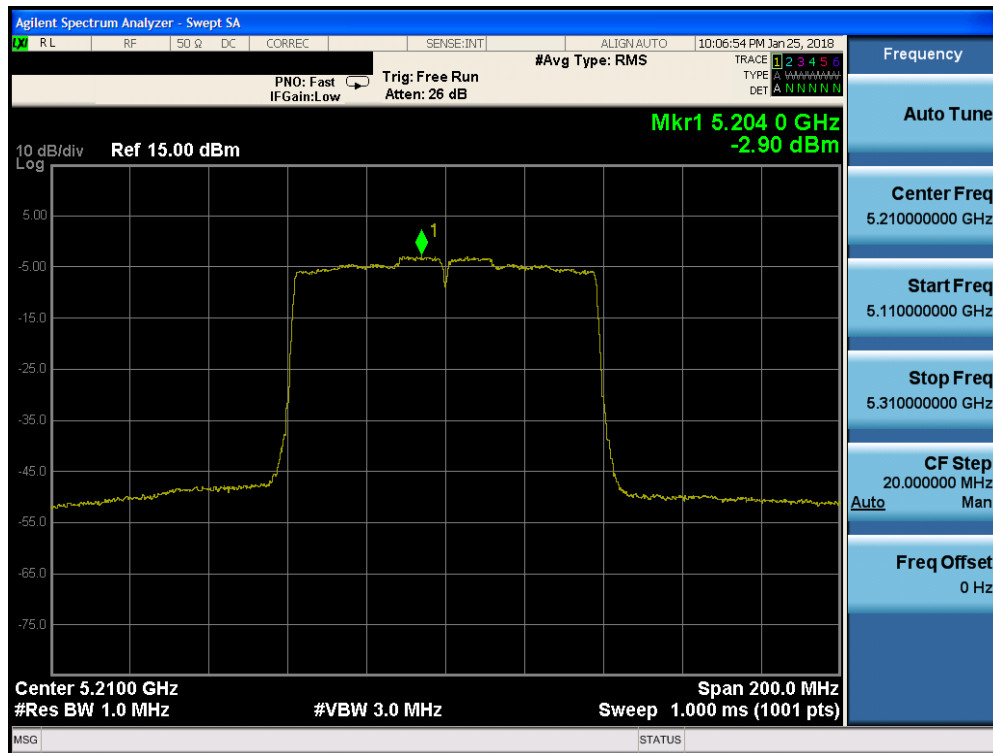


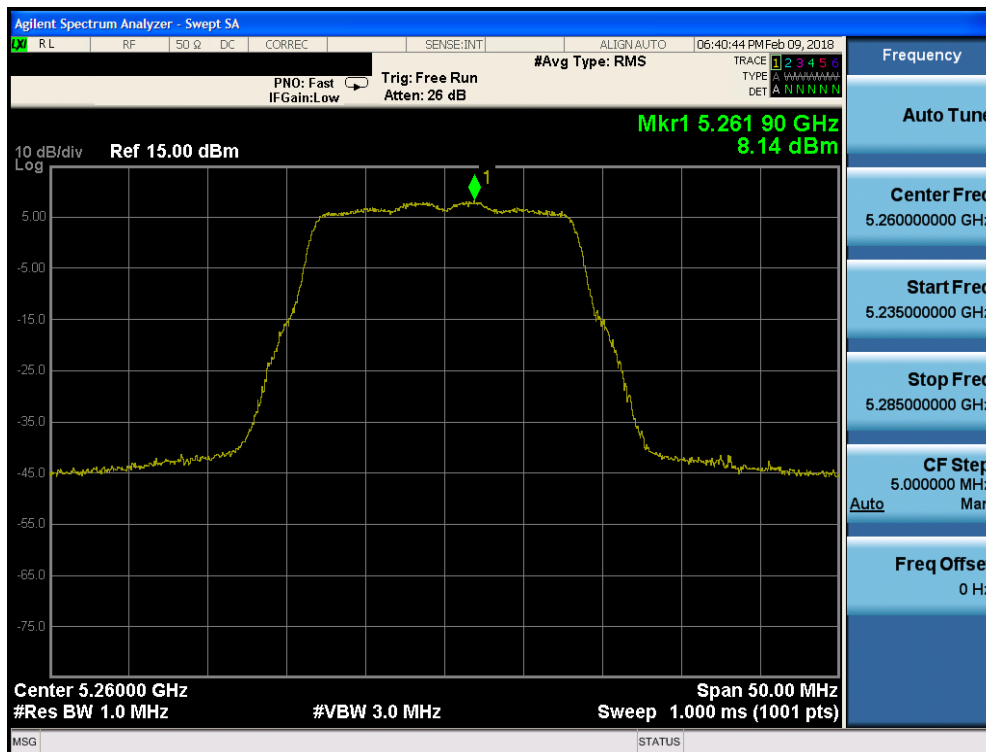


Plot 7-179. Power Spectral Density Plot FCC SISO ANT2 (40MHz BW 802.11n (UNII Band 1) – Ch. 46)

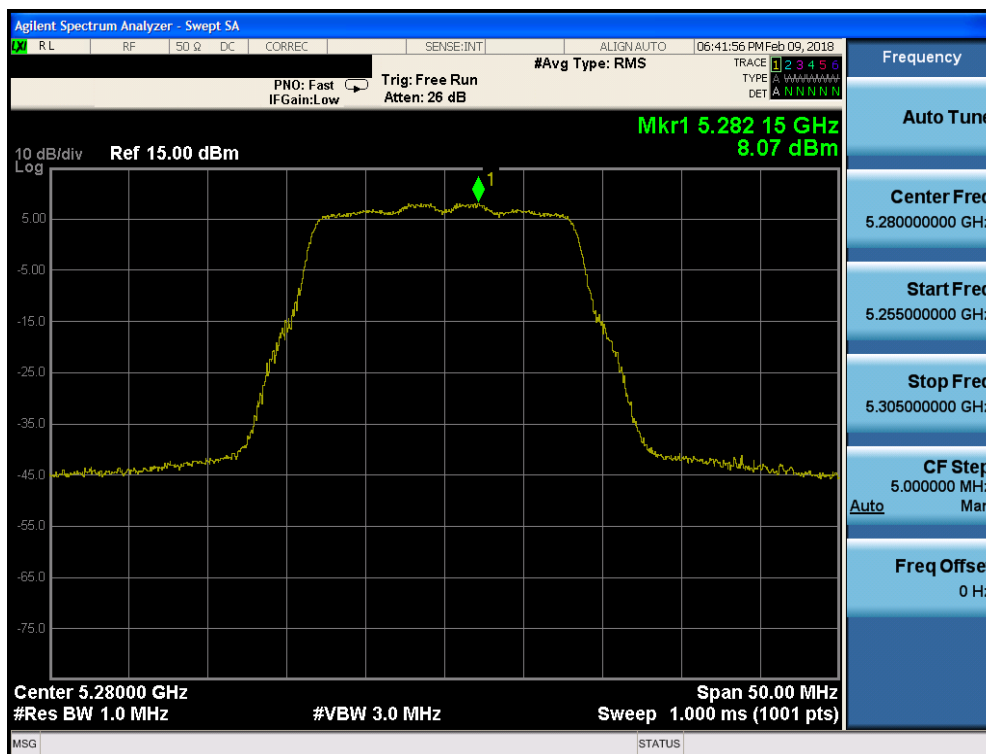


Plot 7-180. Power Spectral Density Plot FCC SISO ANT2 (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 128 of 259                 |

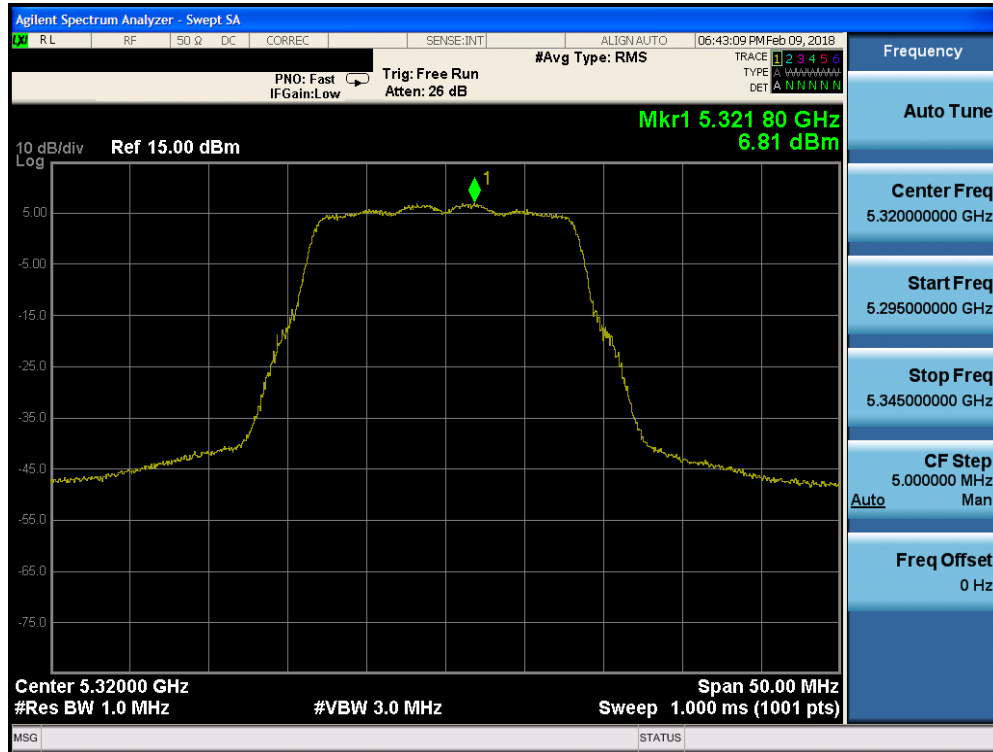


Plot 7-181. Power Spectral Density Plot FCC SISO ANT2 (802.11a (UNII Band 2A) – Ch. 52)

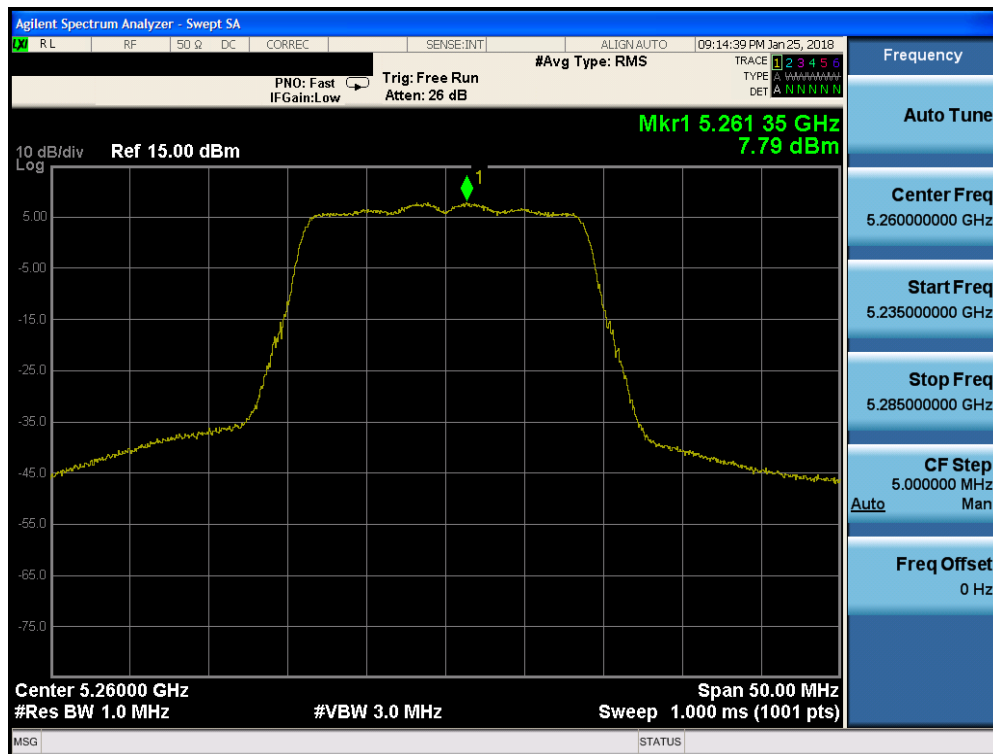


Plot 7-182. Power Spectral Density Plot FCC SISO ANT2 (802.11a (UNII Band 2A) – Ch. 56)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 129 of 259                 |

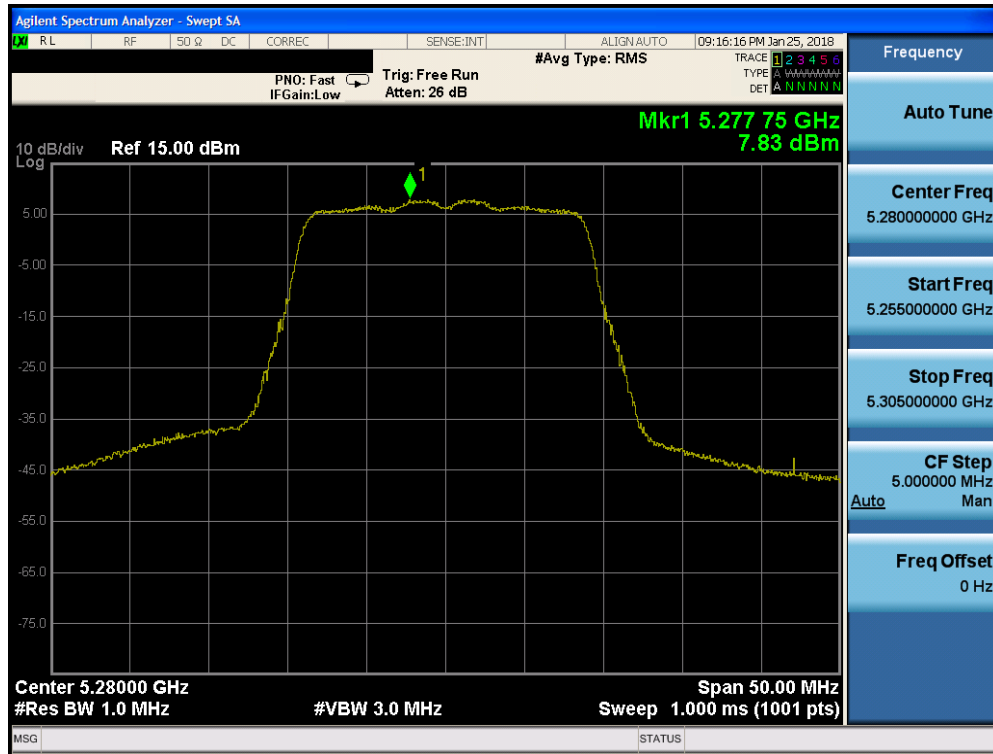


Plot 7-183. Power Spectral Density Plot FCC SISO ANT2 (802.11a (UNII Band 2A) – Ch. 64)

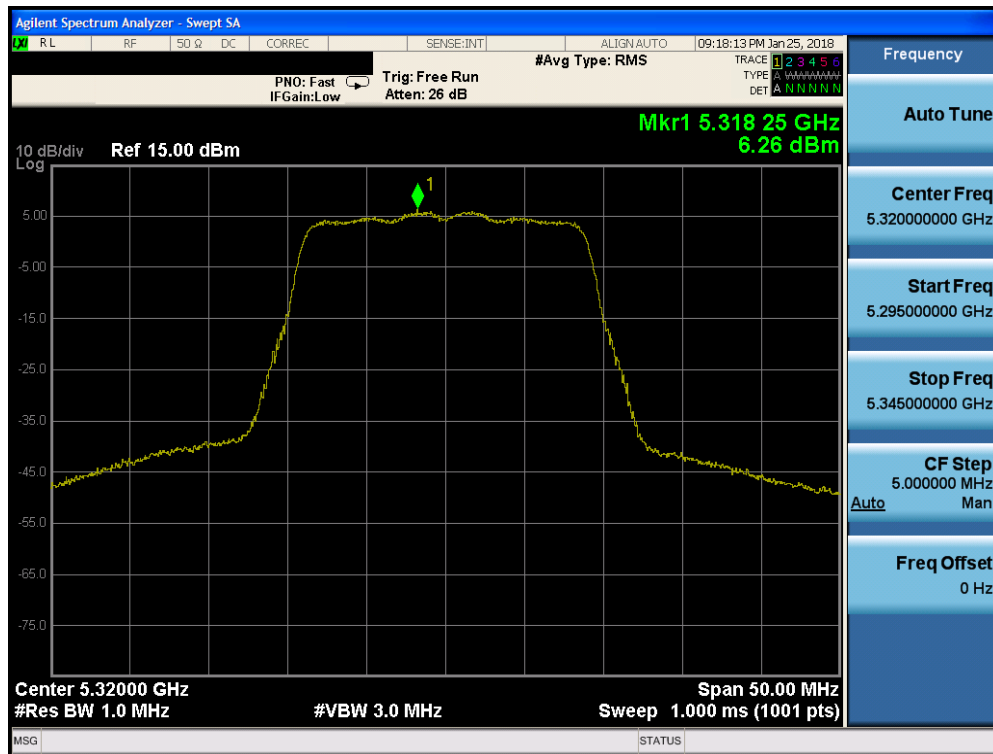


Plot 7-184. Power Spectral Density Plot FCC SISO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 52)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 130 of 259                 |

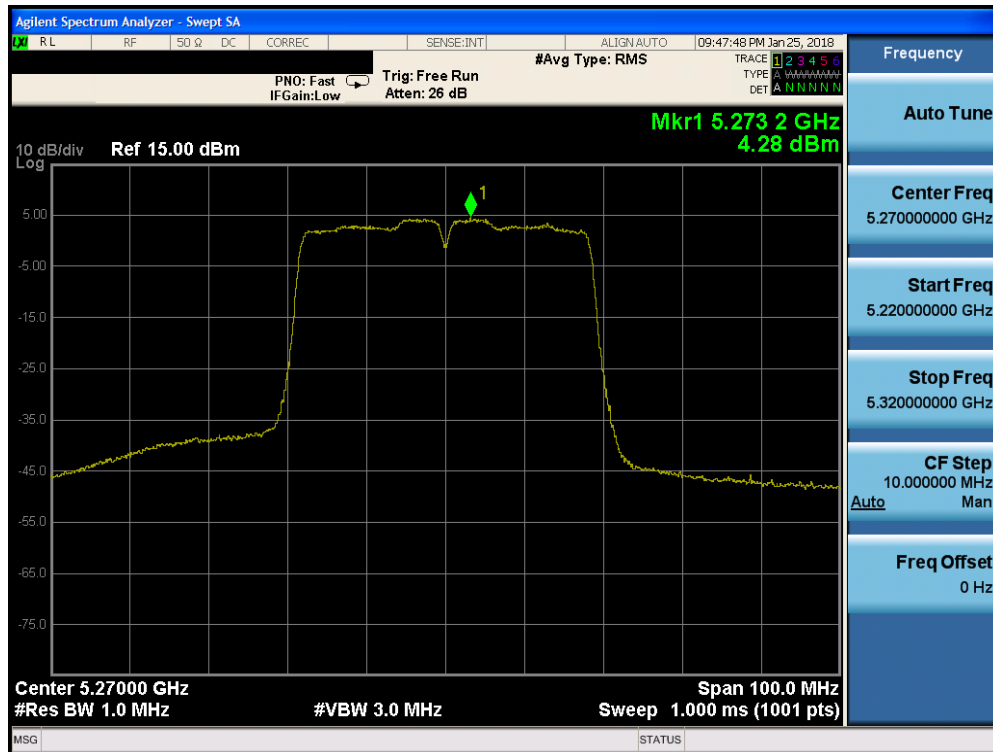


Plot 7-185. Power Spectral Density Plot FCC SISO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)

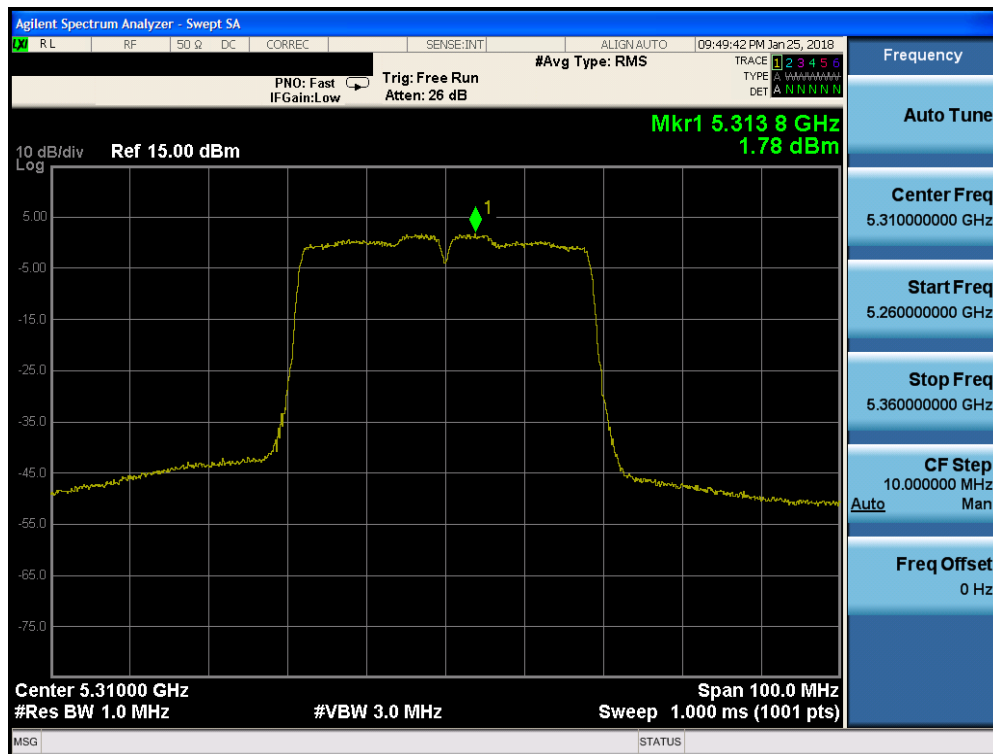


Plot 7-186. Power Spectral Density Plot FCC SISO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 64)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 131 of 259                 |

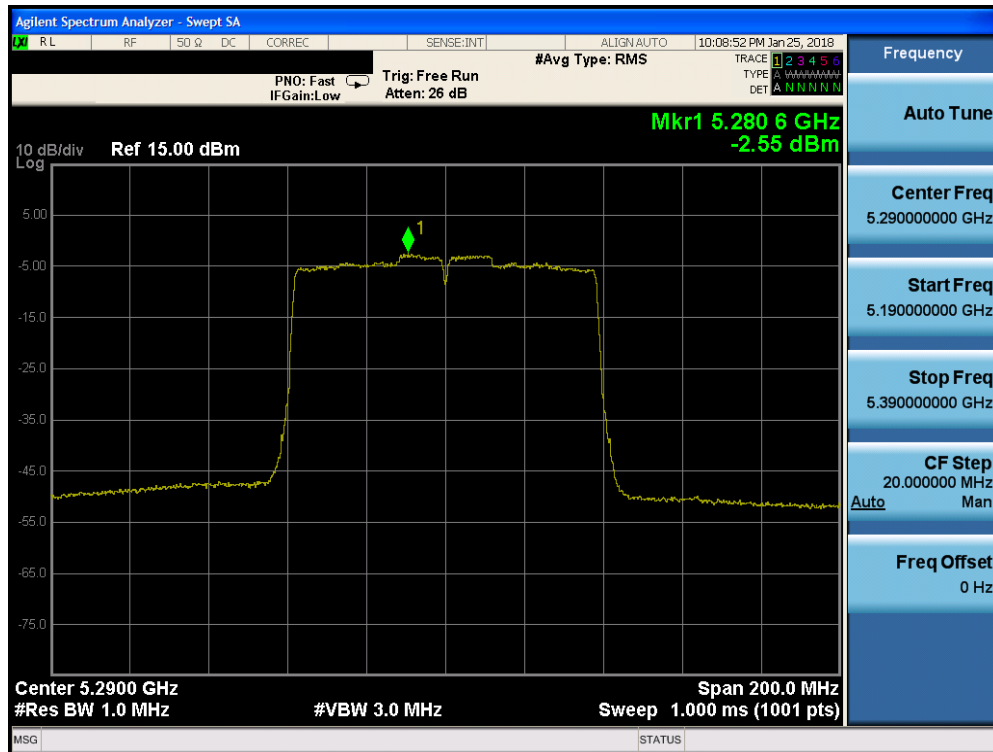


Plot 7-187. Power Spectral Density Plot FCC SISO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

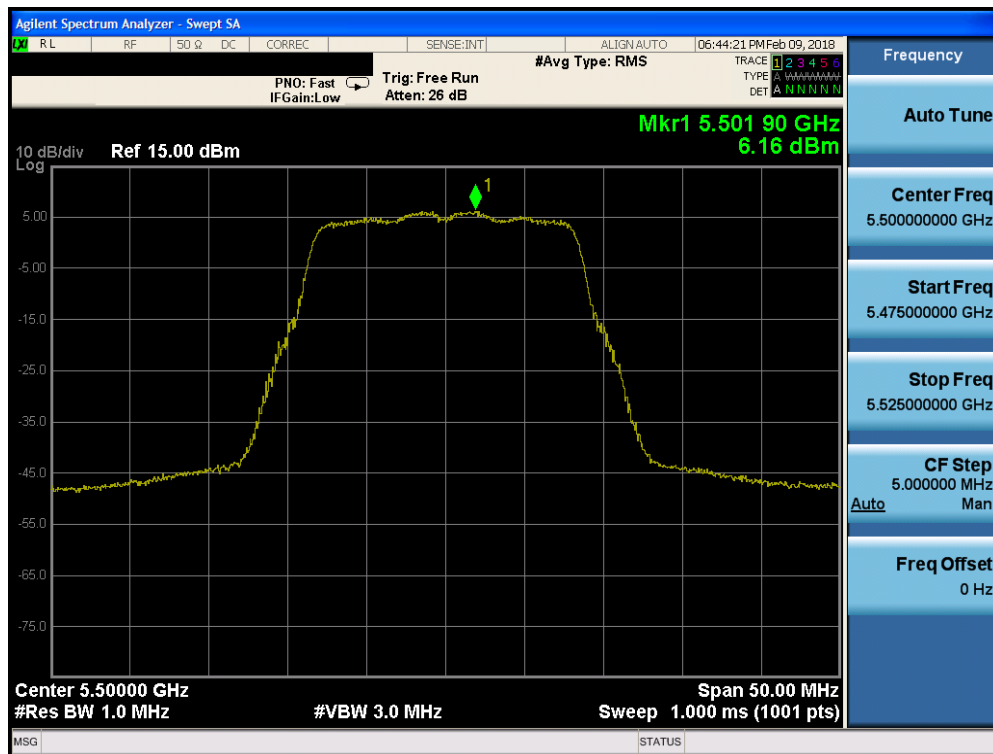


Plot 7-188. Power Spectral Density Plot FCC SISO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 132 of 259                 |

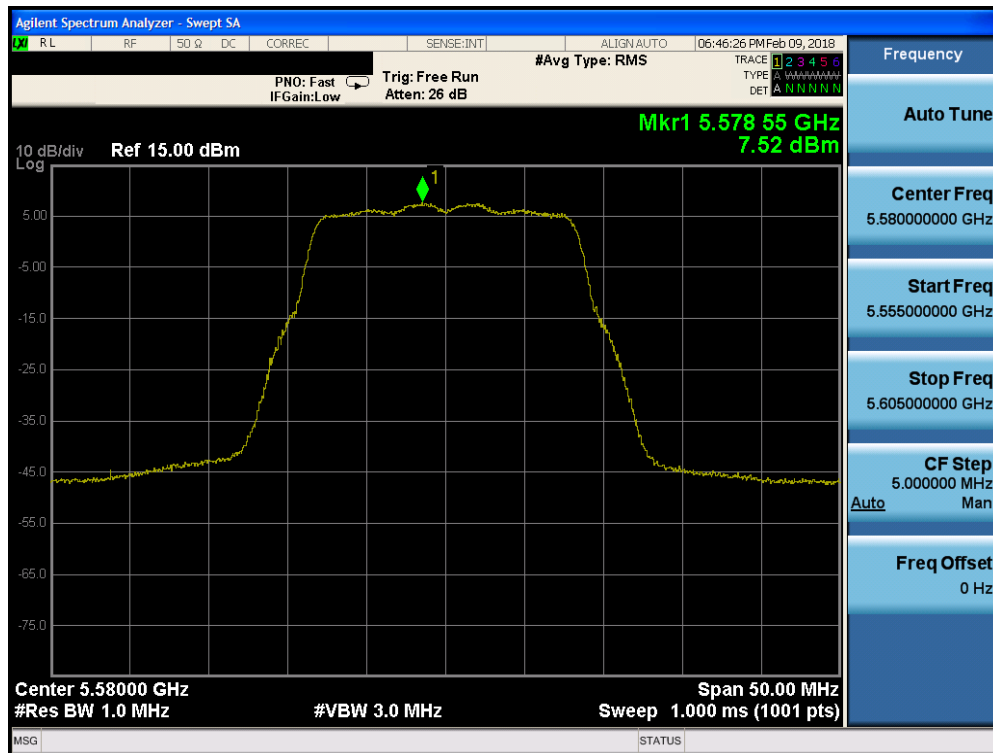


Plot 7-189. Power Spectral Density Plot FCC SISO ANT2 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

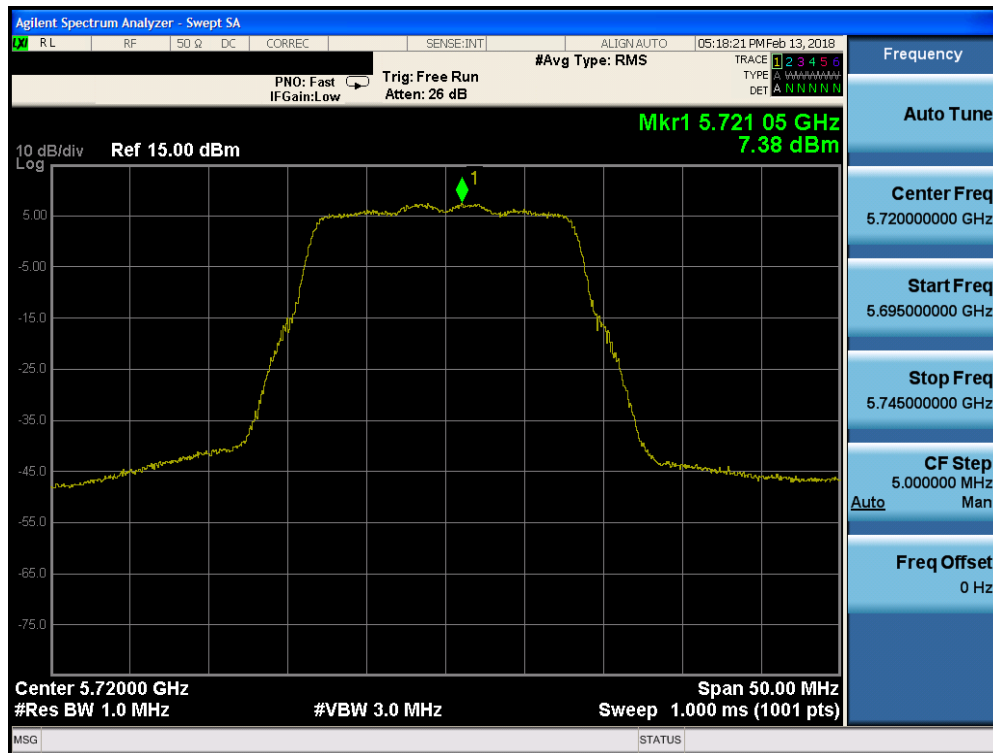


Plot 7-190. Power Spectral Density Plot FCC SISO ANT2 (802.11a (UNII Band 2C) – Ch. 100)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 133 of 259                 |

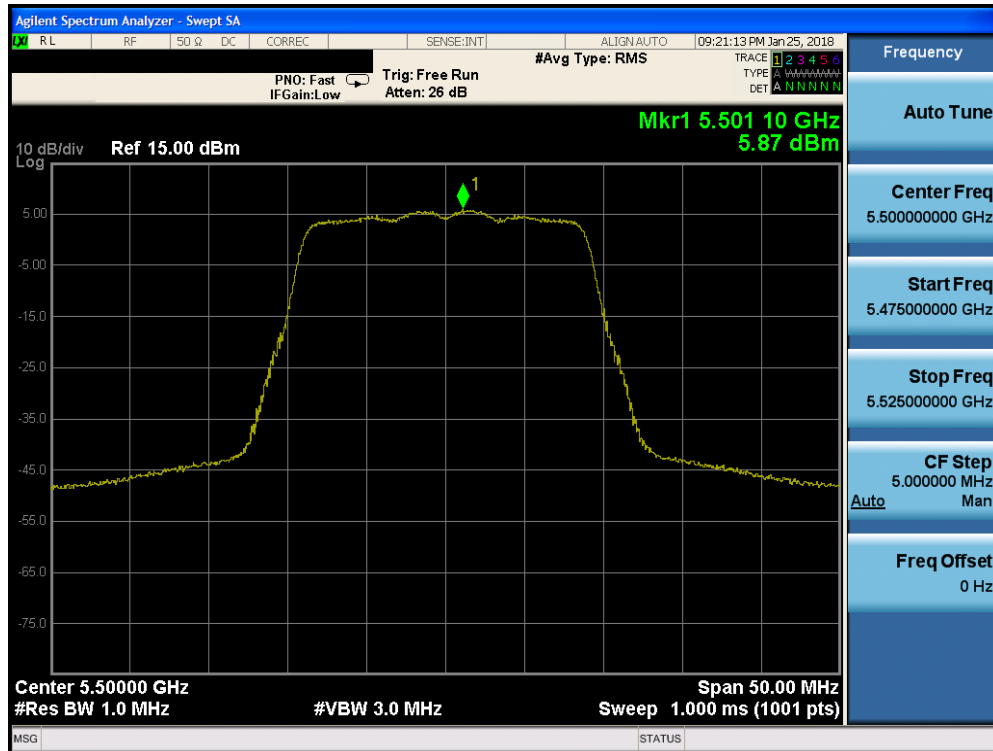


Plot 7-191. Power Spectral Density Plot FCC SISO ANT2 (802.11a (UNII Band 2C) – Ch. 116)

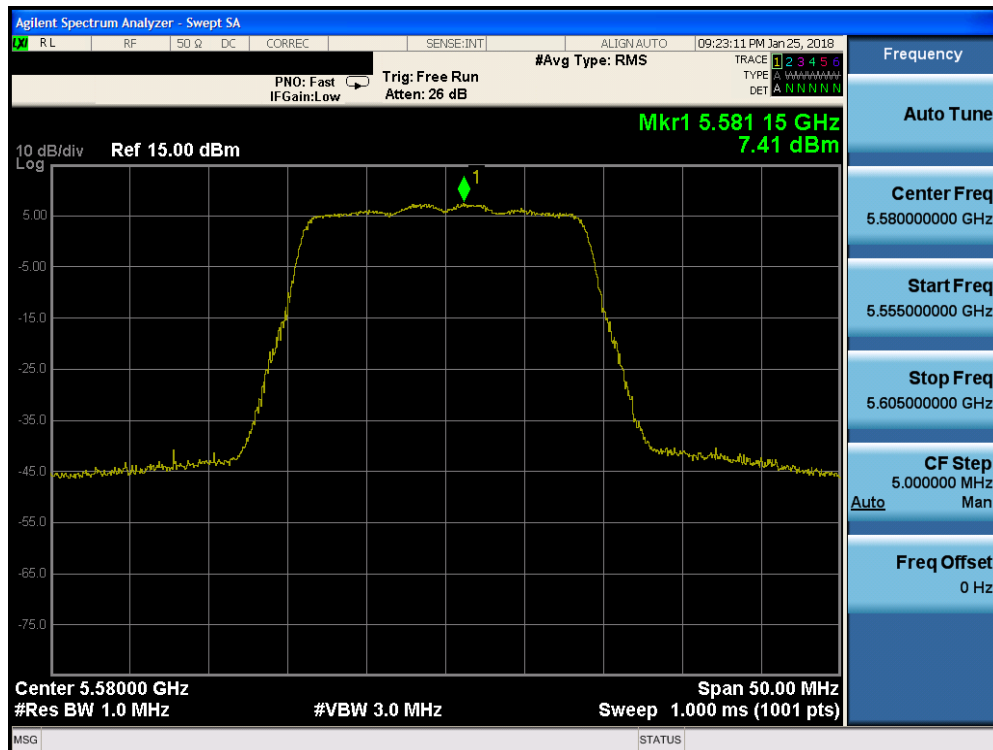


Plot 7-192. Power Spectral Density Plot FCC SISO ANT2 (802.11a (UNII Band 2C) – Ch. 144)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 134 of 259                 |

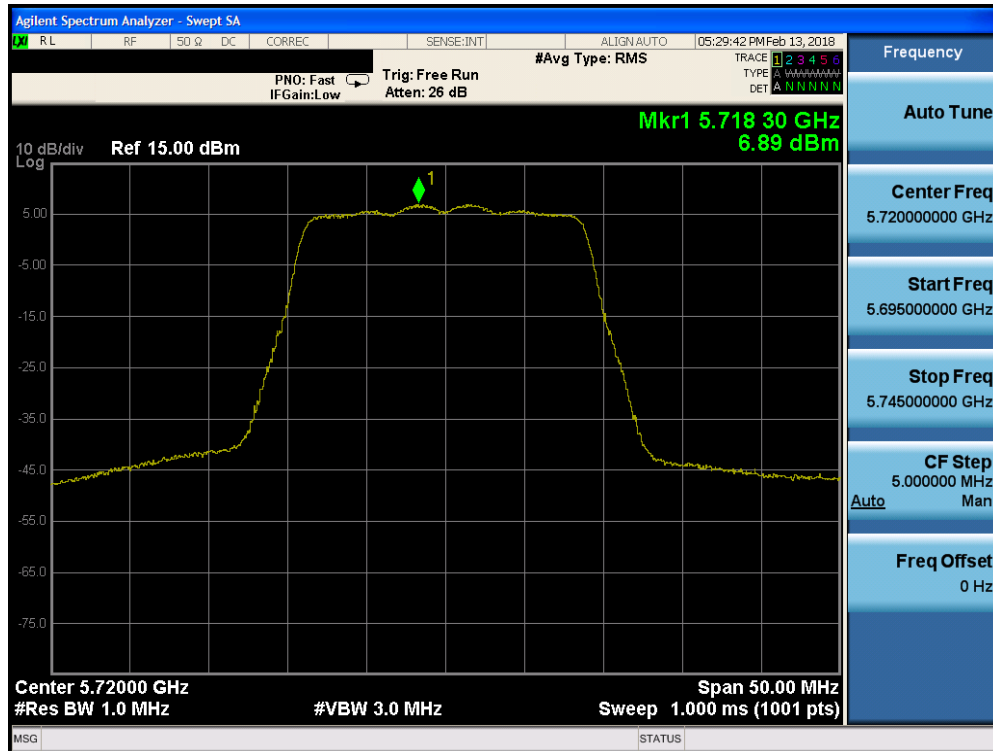


Plot 7-193. Power Spectral Density Plot FCC SISO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

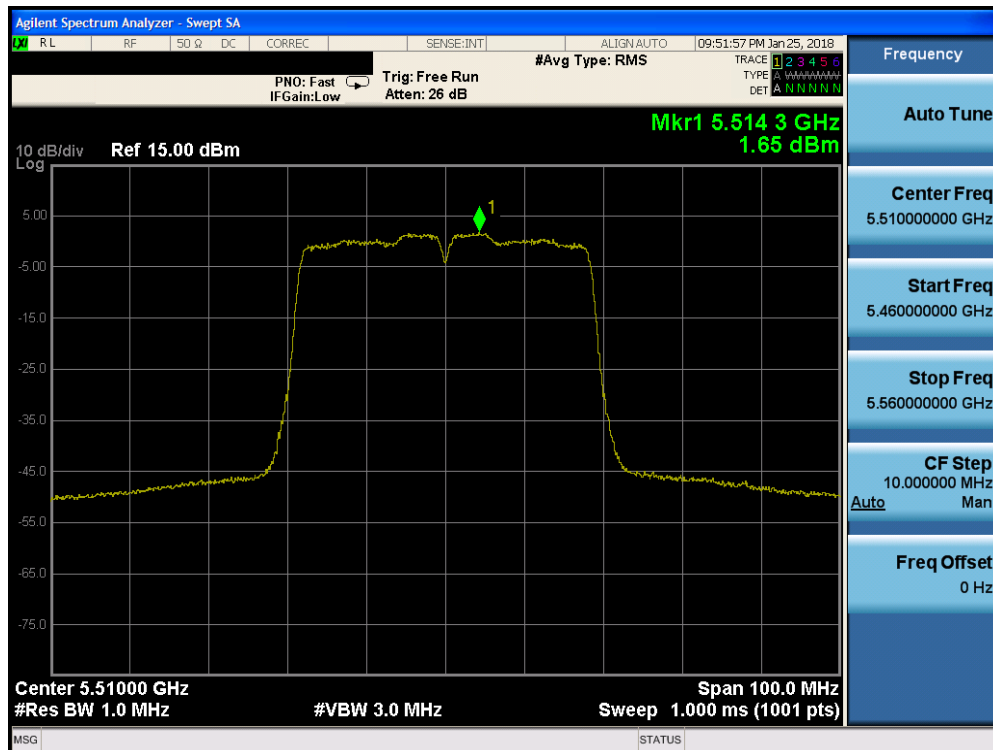


Plot 7-194. Power Spectral Density Plot FCC SISO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 116)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 135 of 259                 |

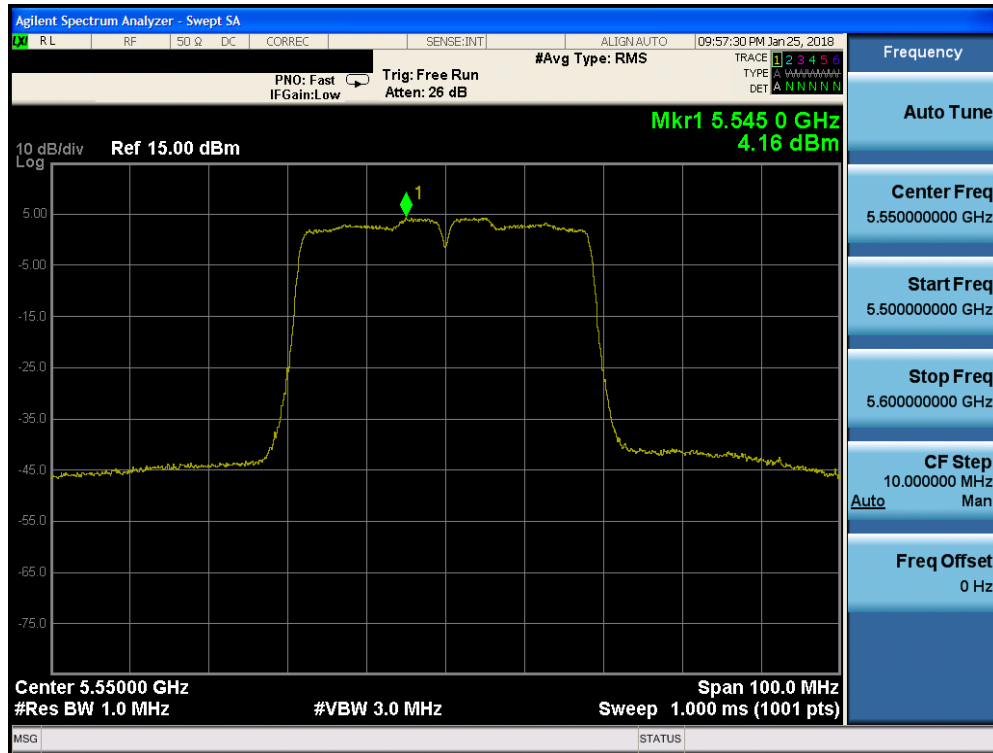


Plot 7-195. Power Spectral Density Plot FCC SISO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)

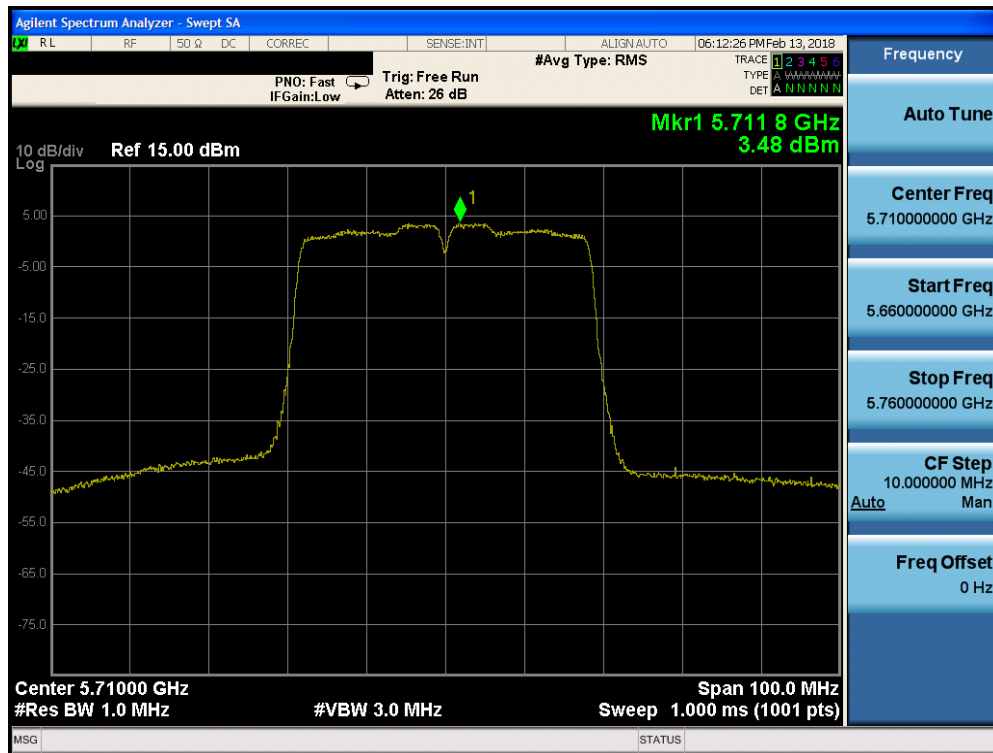


Plot 7-196. Power Spectral Density Plot FCC SISO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 136 of 259                 |

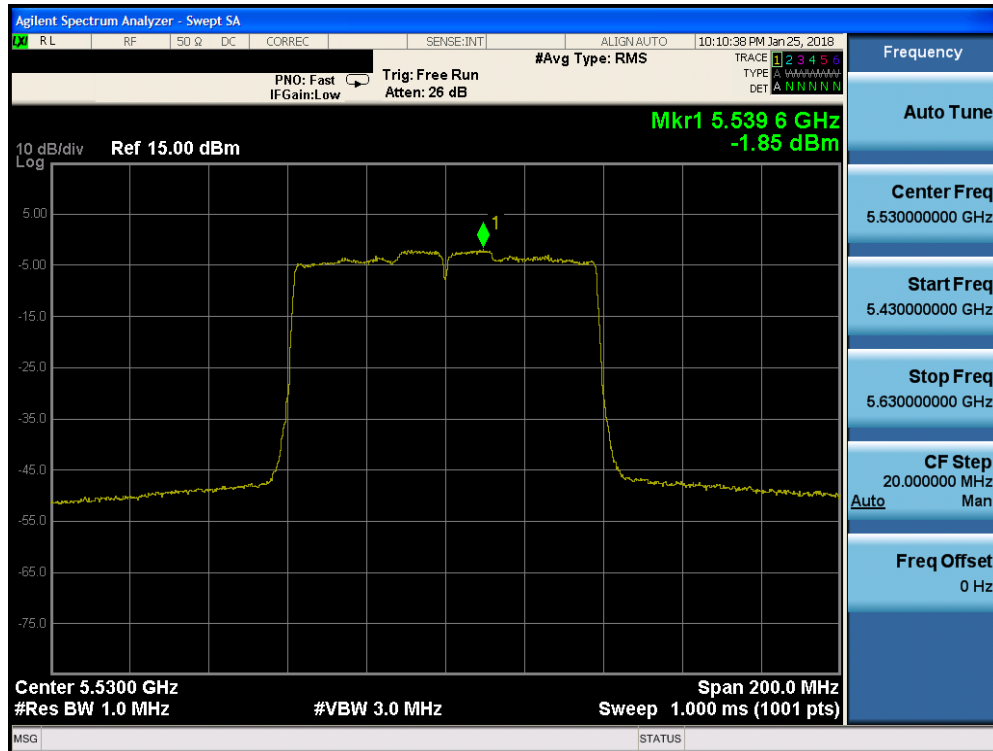


Plot 7-197. Power Spectral Density Plot FCC SISO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 110)

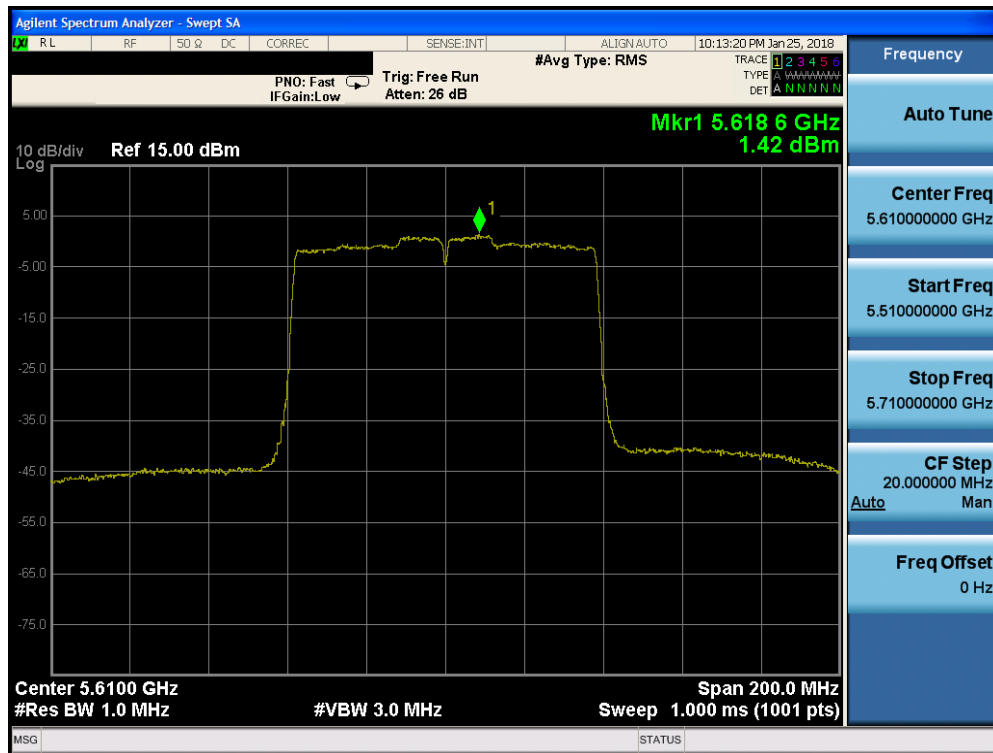


Plot 7-198. Power Spectral Density Plot FCC SISO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 137 of 259                 |

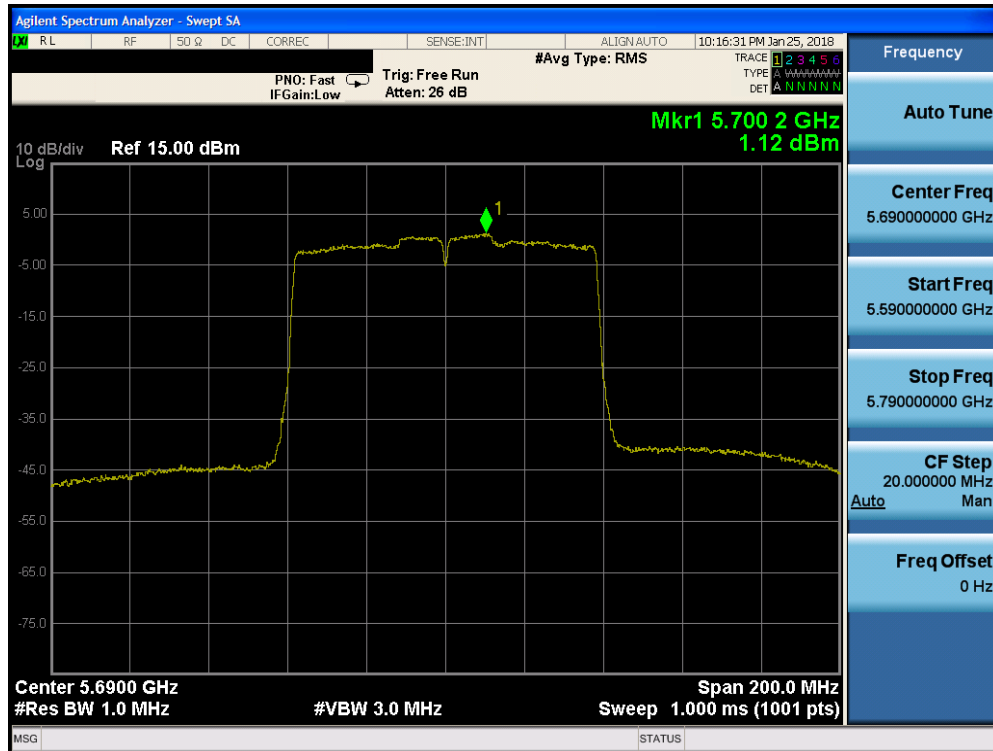


Plot 7-199. Power Spectral Density Plot FCC SISO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)



Plot 7-200. Power Spectral Density Plot FCC SISO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 138 of 259                 |

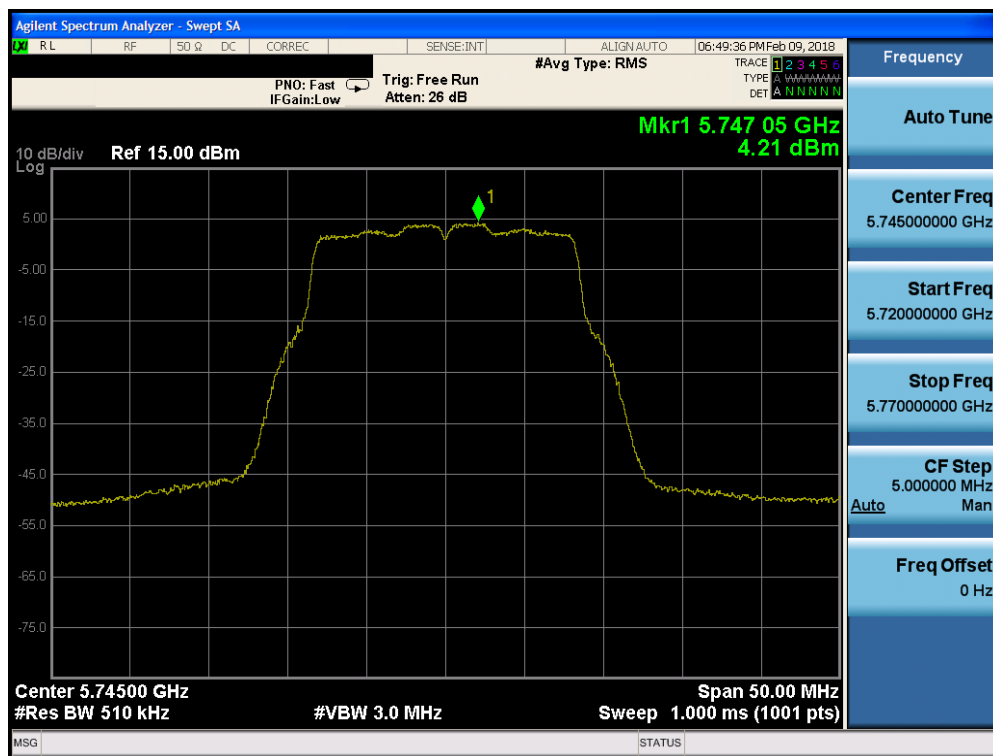


Plot 7-201. Power Spectral Density Plot FCC SISO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 139 of 259                 |

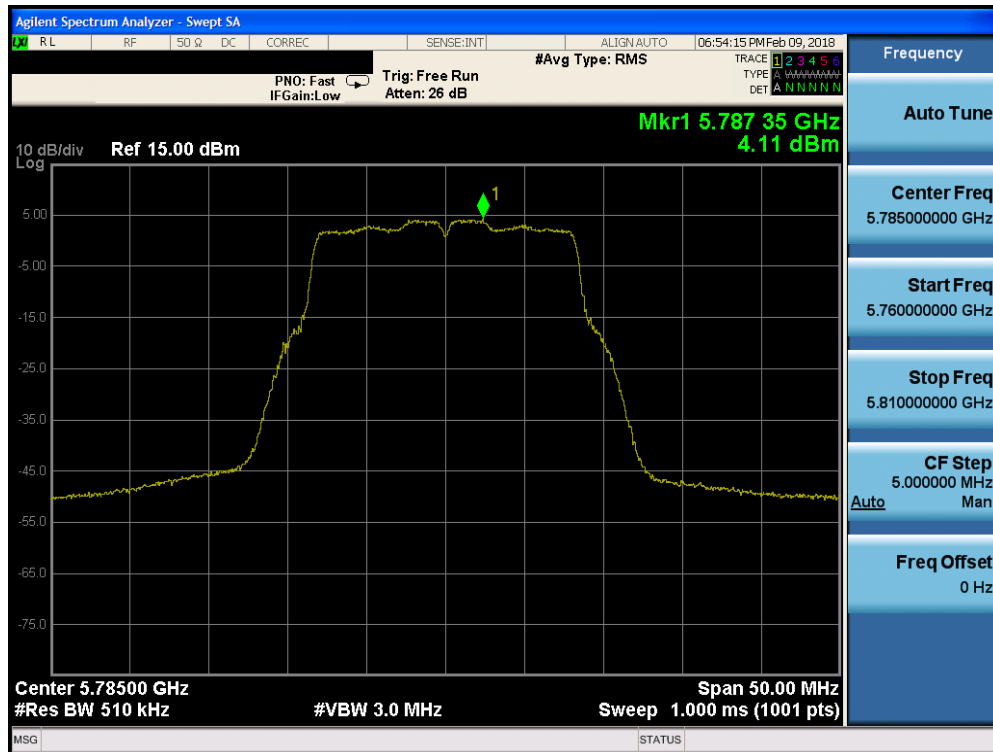
|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps] | Measured Power Density [dBm] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|------------------|------------------------------|--------------------------------------------|-------------|
| Band 3 | 5745            | 149         | a           | 6                | 4.21                         | 30.0                                       | -25.79      |
|        | 5785            | 157         | a           | 6                | 4.11                         | 30.0                                       | -25.89      |
|        | 5825            | 165         | a           | 6                | 3.70                         | 30.0                                       | -26.30      |
|        | 5745            | 149         | n (20MHz)   | 6.5/7.2 (MCS0)   | 4.18                         | 30.0                                       | -25.82      |
|        | 5785            | 157         | n (20MHz)   | 6.5/7.2 (MCS0)   | 3.59                         | 30.0                                       | -26.41      |
|        | 5825            | 165         | n (20MHz)   | 6.5/7.2 (MCS0)   | 3.97                         | 30.0                                       | -26.03      |
|        | 5755            | 151         | n (40MHz)   | 13.5/15 (MCS0)   | 0.54                         | 30.0                                       | -29.46      |
|        | 5795            | 159         | n (40MHz)   | 13.5/15 (MCS0)   | 0.18                         | 30.0                                       | -29.82      |
|        | 5775            | 155         | ac (80MHz)  | 29.3/32.5 (MCS0) | 0.14                         | 30.0                                       | -29.86      |

**Table 7-31. Band 3 Conducted Power Spectral Density Measurements SISO ANT2**

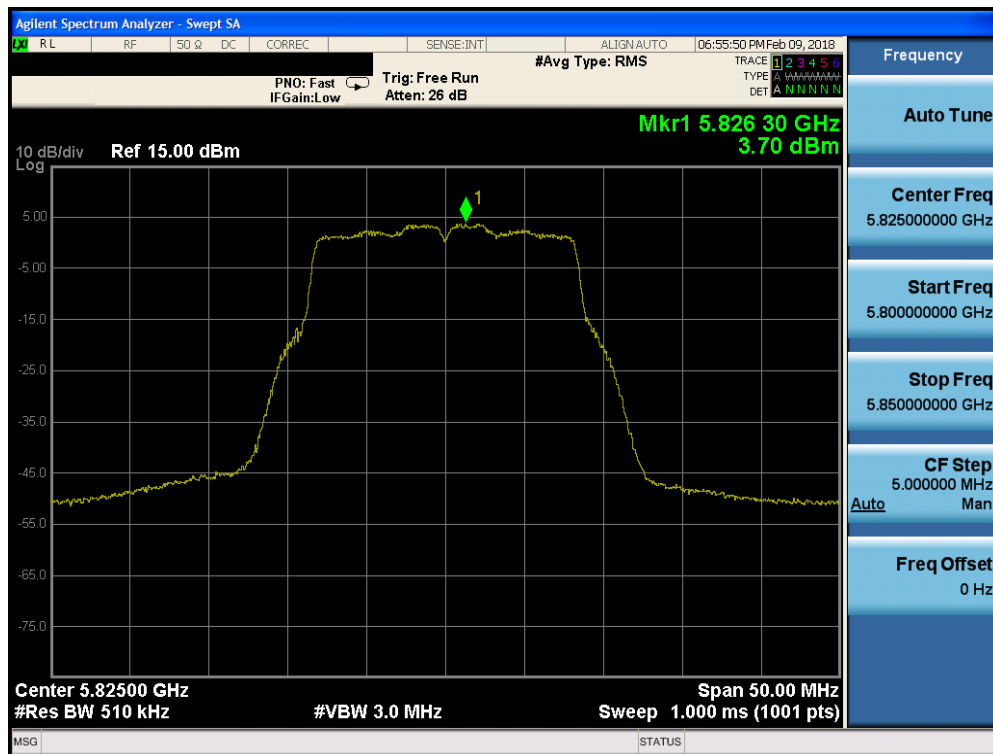


**Plot 7-202. Power Spectral Density Plot FCC SISO ANT2 (802.11a (UNII Band 3) – Ch. 149)**

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 140 of 259                 |

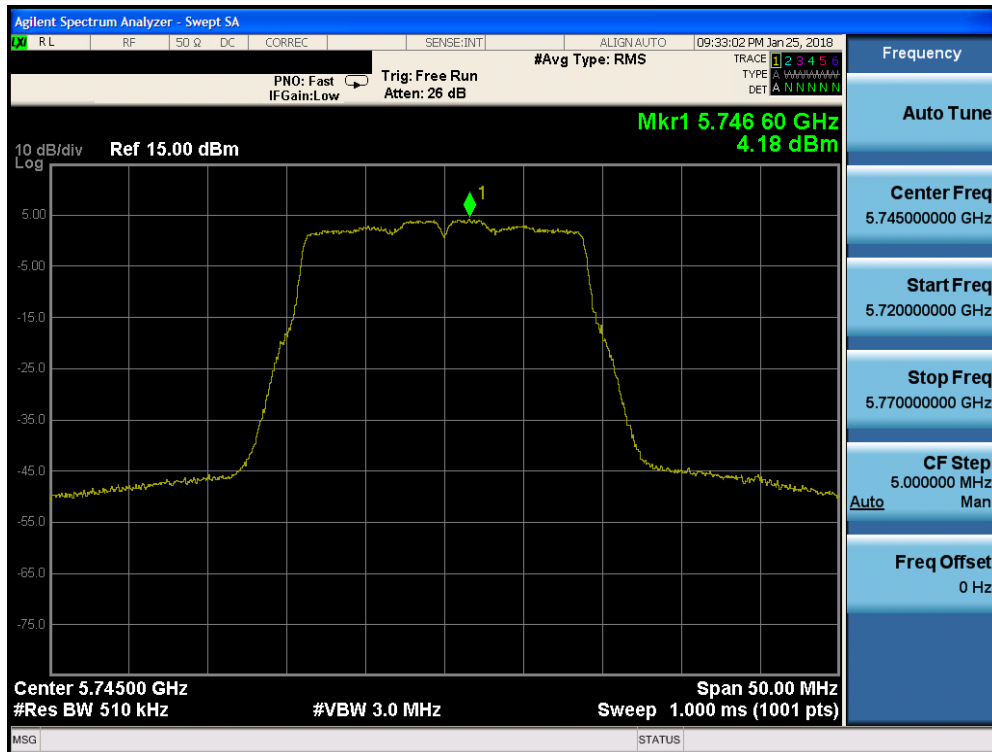


Plot 7-203. Power Spectral Density Plot FCC SISO ANT2 (802.11a (UNII Band 3) – Ch. 157)

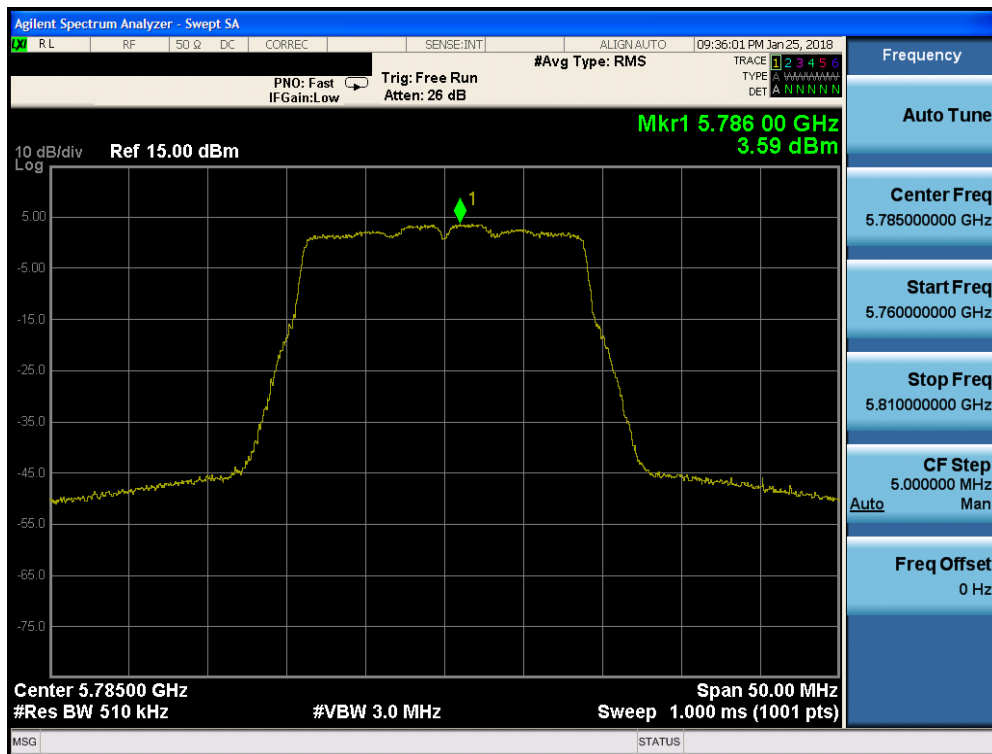


Plot 7-204. Power Spectral Density Plot FCC SISO ANT2 (802.11a (UNII Band 3) – Ch. 165)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 141 of 259                 |

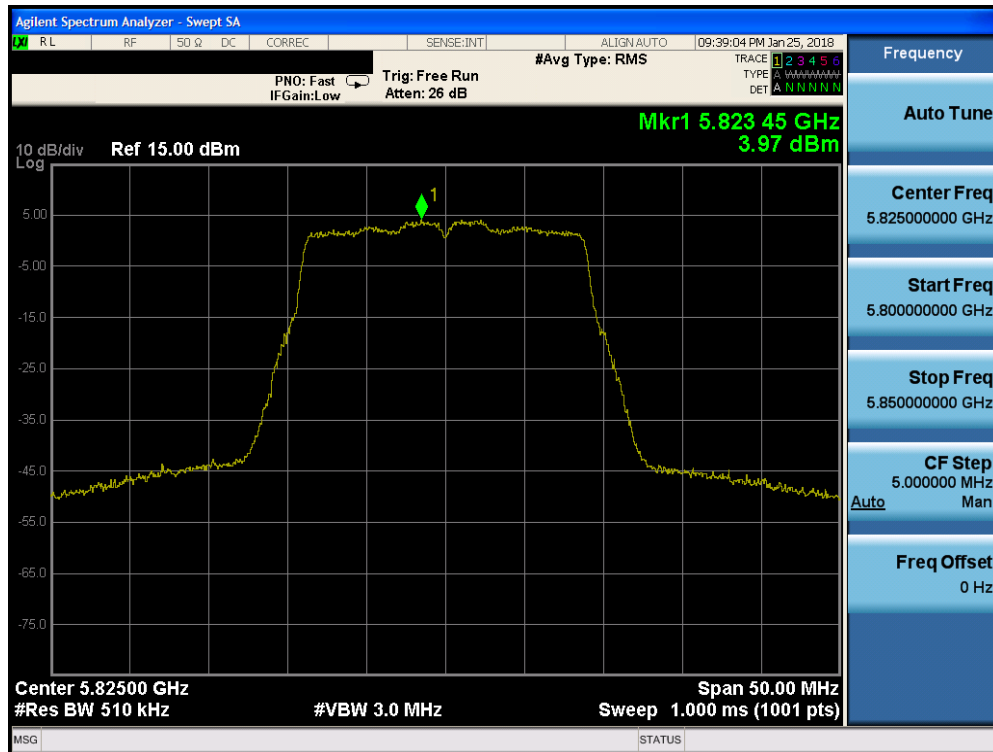


Plot 7-205. Power Spectral Density Plot FCC SISO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

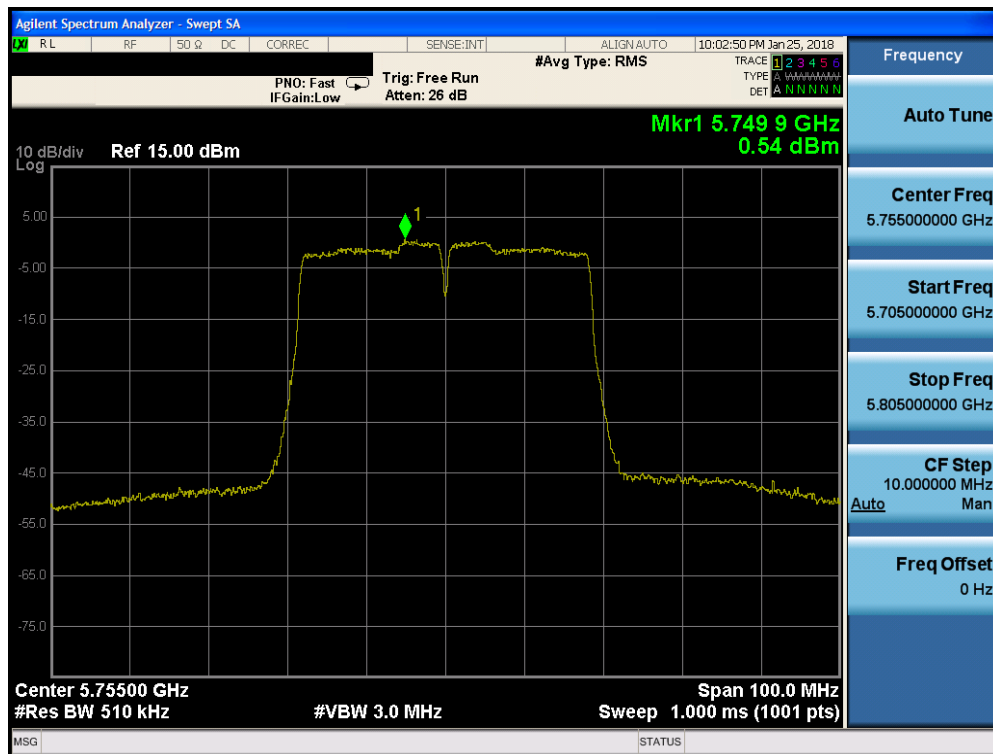


Plot 7-206. Power Spectral Density Plot FCC SISO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 142 of 259                 |

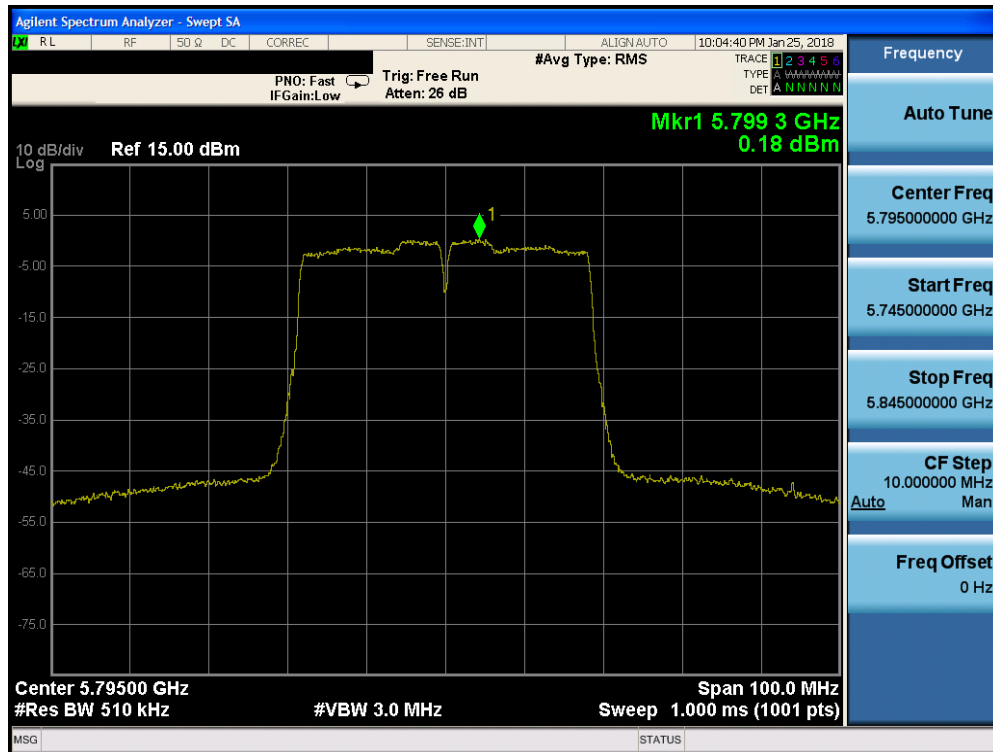


Plot 7-207. Power Spectral Density Plot FCC SISO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

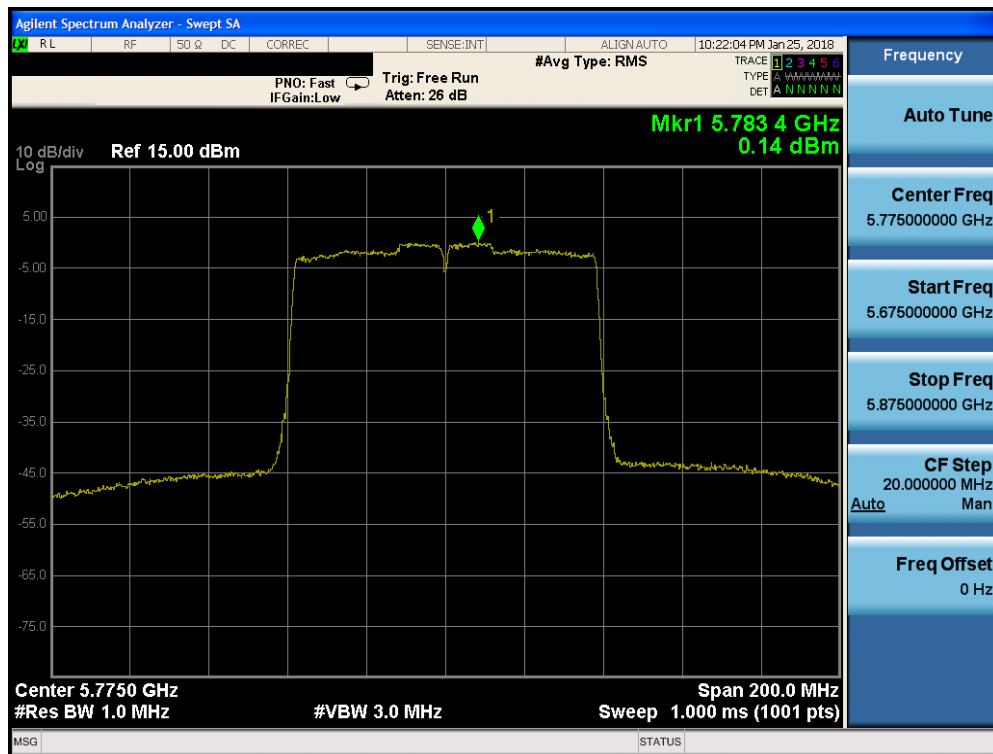


Plot 7-208. Power Spectral Density Plot FCC SISO ANT2 (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 143 of 259                 |



Plot 7-209. Power Spectral Density Plot FCC SISO ANT2 (40MHz BW 802.11n (UNII Band 3) – Ch. 161)



Plot 7-210. Power Spectral Density Plot FCC SISO ANT2 (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 144 of 259                 |

## Summed MIMO Power Spectral Density Measurements

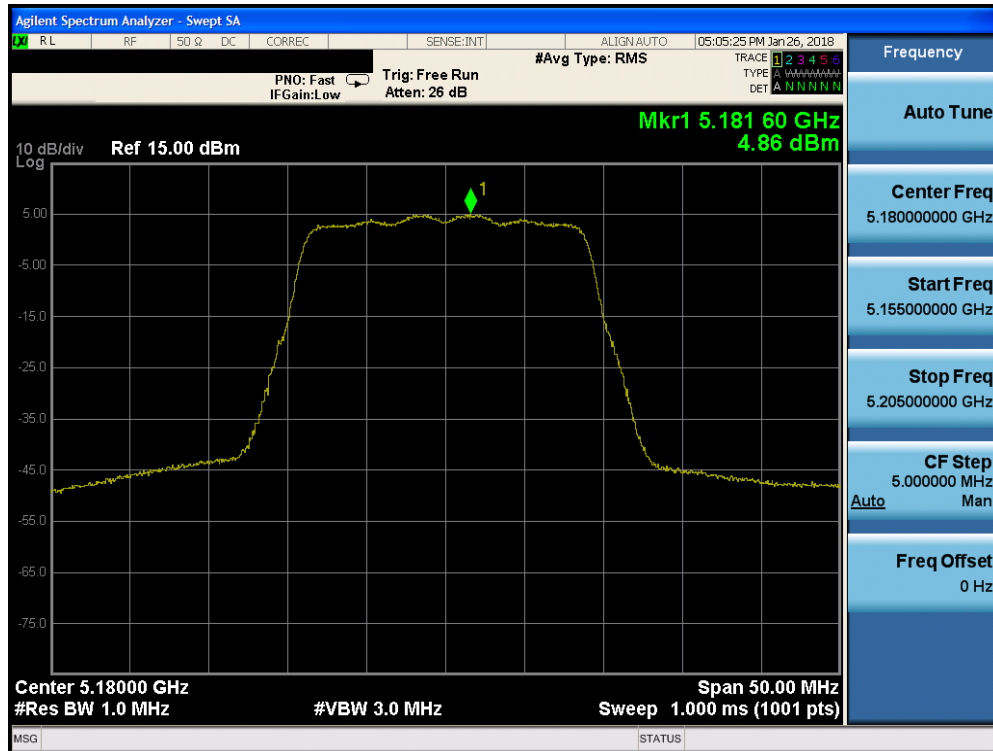
|         | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps] | Antenn-1 Power Density [dBm] | Antenn-2 Power Density [dBm] | Summed MIMO Power Density [dBm] | Max Power Density [dBm/MHz] | Margin [dB] |
|---------|-----------------|-------------|-------------|------------------|------------------------------|------------------------------|---------------------------------|-----------------------------|-------------|
| Band 1  | 5180            | 36          | n (20MHz)   | 6.5/7.2 (MCS0)   | 4.86                         | 4.57                         | 7.73                            | 11.0                        | -3.27       |
|         | 5200            | 40          | n (20MHz)   | 6.5/7.2 (MCS0)   | 7.30                         | 6.85                         | 10.09                           | 11.0                        | -0.91       |
|         | 5220            | 44          | n (20MHz)   | 6.5/7.2 (MCS0)   | 6.85                         | 7.03                         | 9.95                            | 11.0                        | -1.05       |
|         | 5240            | 48          | n (20MHz)   | 6.5/7.2 (MCS0)   | 7.50                         | 6.98                         | 10.26                           | 11.0                        | -0.74       |
|         | 5190            | 38          | n (40MHz)   | 13.5/15 (MCS0)   | 0.41                         | 0.53                         | 3.48                            | 11.0                        | -7.52       |
|         | 5230            | 46          | n (40MHz)   | 13.5/15 (MCS0)   | 4.51                         | 3.87                         | 7.21                            | 11.0                        | -3.79       |
| Band 2A | 5210            | 42          | ac (80MHz)  | 29.3/32.5 (MCS0) | -3.26                        | -3.19                        | -0.21                           | 11.0                        | -11.21      |
|         | 5260            | 52          | n (20MHz)   | 6.5/7.2 (MCS0)   | 7.20                         | 6.95                         | 10.09                           | 11.0                        | -0.91       |
|         | 5280            | 56          | n (20MHz)   | 6.5/7.2 (MCS0)   | 7.20                         | 7.07                         | 10.15                           | 11.0                        | -0.85       |
|         | 5300            | 60          | n (20MHz)   | 6.5/7.2 (MCS0)   | 6.55                         | 7.26                         | 9.93                            | 11.0                        | -1.07       |
|         | 5320            | 64          | n (20MHz)   | 6.5/7.2 (MCS0)   | 4.94                         | 4.45                         | 7.71                            | 11.0                        | -3.29       |
|         | 5270            | 54          | n (40MHz)   | 13.5/15 (MCS0)   | 4.51                         | 4.21                         | 7.37                            | 11.0                        | -3.63       |
| Band 2C | 5310            | 62          | n (40MHz)   | 13.5/15 (MCS0)   | 0.76                         | 0.59                         | 3.69                            | 11.0                        | -7.31       |
|         | 5290            | 58          | ac (80MHz)  | 29.3/32.5 (MCS0) | -3.31                        | -3.84                        | -0.56                           | 11.0                        | -11.56      |
|         | 5500            | 100         | n (20MHz)   | 6.5/7.2 (MCS0)   | 5.28                         | 5.56                         | 8.43                            | 11.0                        | -2.57       |
|         | 5520            | 104         | n (20MHz)   | 6.5/7.2 (MCS0)   | 6.23                         | 6.36                         | 9.31                            | 11.0                        | -1.69       |
|         | 5580            | 116         | n (20MHz)   | 6.5/7.2 (MCS0)   | 6.31                         | 5.89                         | 9.12                            | 11.0                        | -1.88       |
|         | 5680            | 136         | n (20MHz)   | 6.5/7.2 (MCS0)   | 5.72                         | 5.28                         | 8.52                            | 11.0                        | -2.48       |
|         | 5720            | 144         | n (20MHz)   | 6.5/7.2 (MCS0)   | 7.12                         | 6.77                         | 9.96                            | 11.0                        | -1.04       |
|         | 5510            | 102         | n (40MHz)   | 13.5/15 (MCS0)   | 0.72                         | 0.83                         | 3.79                            | 11.0                        | -7.21       |
|         | 5500            | 110         | n (40MHz)   | 13.5/15 (MCS0)   | 4.56                         | 4.52                         | 7.55                            | 11.0                        | -3.45       |
|         | 5590            | 118         | n (40MHz)   | 13.5/15 (MCS0)   | 4.35                         | 4.10                         | 7.24                            | 11.0                        | -3.76       |
|         | 5630            | 126         | n (40MHz)   | 13.5/15 (MCS0)   | 4.15                         | 4.02                         | 7.09                            | 11.0                        | -3.91       |
|         | 5710            | 142         | n (40MHz)   | 13.5/15 (MCS0)   | 4.33                         | 3.95                         | 7.15                            | 11.0                        | -3.85       |
|         | 5530            | 106         | ac (80MHz)  | 29.3/32.5 (MCS0) | -2.53                        | -2.64                        | 0.43                            | 11.0                        | -10.57      |
|         | 5610            | 122         | ac (80MHz)  | 29.3/32.5 (MCS0) | 1.51                         | 1.13                         | 4.33                            | 11.0                        | -6.67       |
|         | 5690            | 138         | ac (80MHz)  | 29.3/32.5 (MCS0) | 1.32                         | 1.42                         | 4.38                            | 11.0                        | -6.62       |

Table 7-32. Bands 1, 2A, 2C MIMO Conducted Power Spectral Density Measurements

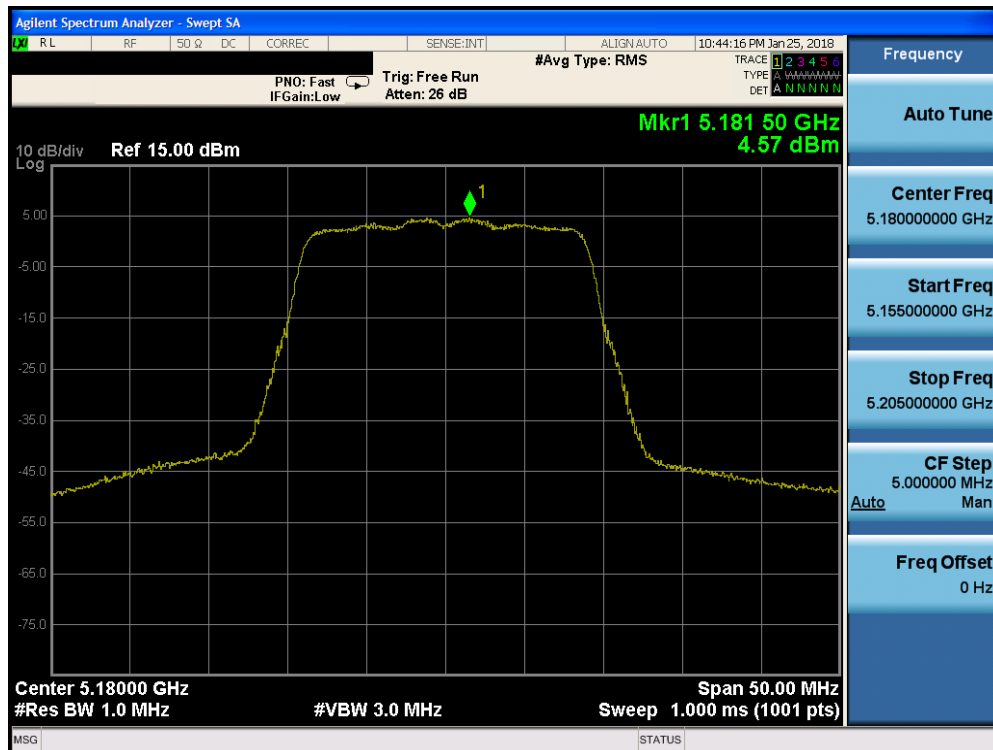
|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps] | Antenn-1 Power Density [dBm] | Antenn-2 Power Density [dBm] | Summed MIMO Power Density [dBm] | Ant Gain [dB] | e.i.r.p Power Density [dBm/MHz] | Max e.i.r.p Power Density | e.i.r.p Power Density Margin [dB] | Margin [dB] |
|--------|-----------------|-------------|-------------|------------------|------------------------------|------------------------------|---------------------------------|---------------|---------------------------------|---------------------------|-----------------------------------|-------------|
| Band 1 | 5180            | 36          | n (20MHz)   | 6.5/7.2 (MCS0)   | 1.13                         | 1.29                         | 4.22                            | 4.48          | 8.7                             | 10.00                     | -1.3                              | -4.48       |
|        | 5200            | 40          | n (20MHz)   | 6.5/7.2 (MCS0)   | 1.87                         | 2.01                         | 4.95                            | 4.50          | 9.5                             | 10.00                     | -0.5                              | -4.50       |
|        | 5240            | 48          | n (20MHz)   | 6.5/7.2 (MCS0)   | 1.85                         | 1.64                         | 4.76                            | 4.90          | 9.7                             | 10.00                     | -0.3                              | -4.90       |
|        | 5190            | 38          | n (40MHz)   | 13.5/15 (MCS0)   | 0.41                         | 0.53                         | 3.48                            | 4.50          | 8.0                             | 10.00                     | -2.0                              | -4.50       |
|        | 5230            | 46          | n (40MHz)   | 13.5/15 (MCS0)   | -2.08                        | -0.53                        | 1.77                            | 4.99          | 6.8                             | 10.00                     | -3.2                              | -4.99       |
|        | 5210            | 42          | ac (80MHz)  | 29.3/32.5 (MCS0) | -3.26                        | -3.19                        | -0.21                           | 4.99          | 4.8                             | 10.00                     | -5.2                              | -4.99       |

Table 7-33. Band 1 MIMO e.i.r.p. Conducted Power Spectral Density Measurements (ISED)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 145 of 259                 |

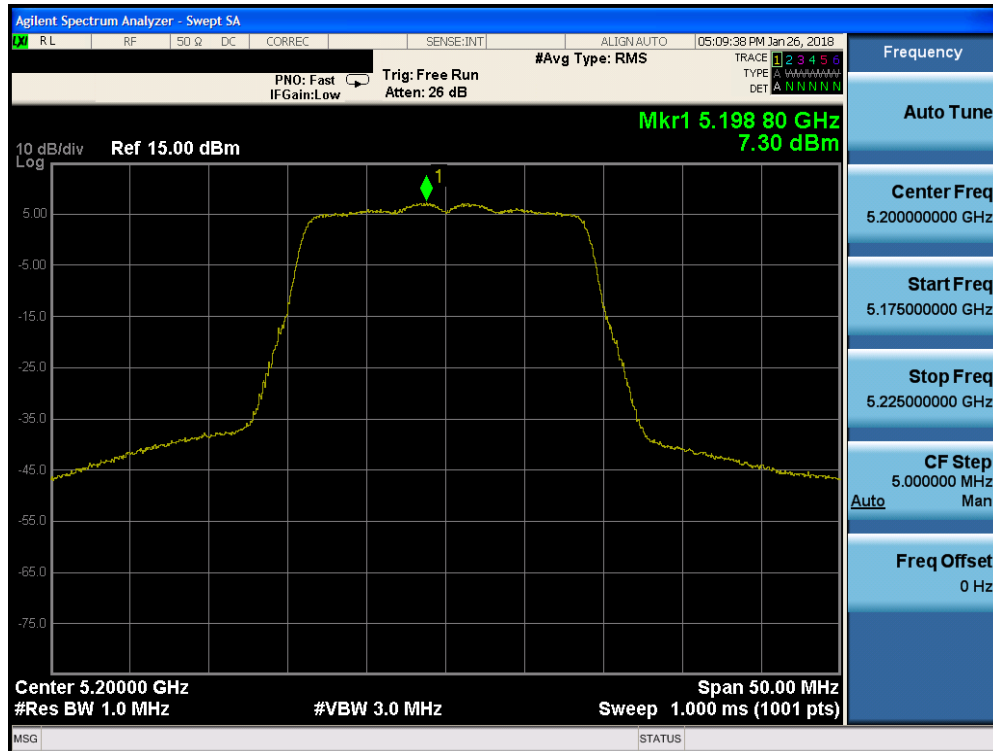


Plot 7-211. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 1) – Ch. 36)

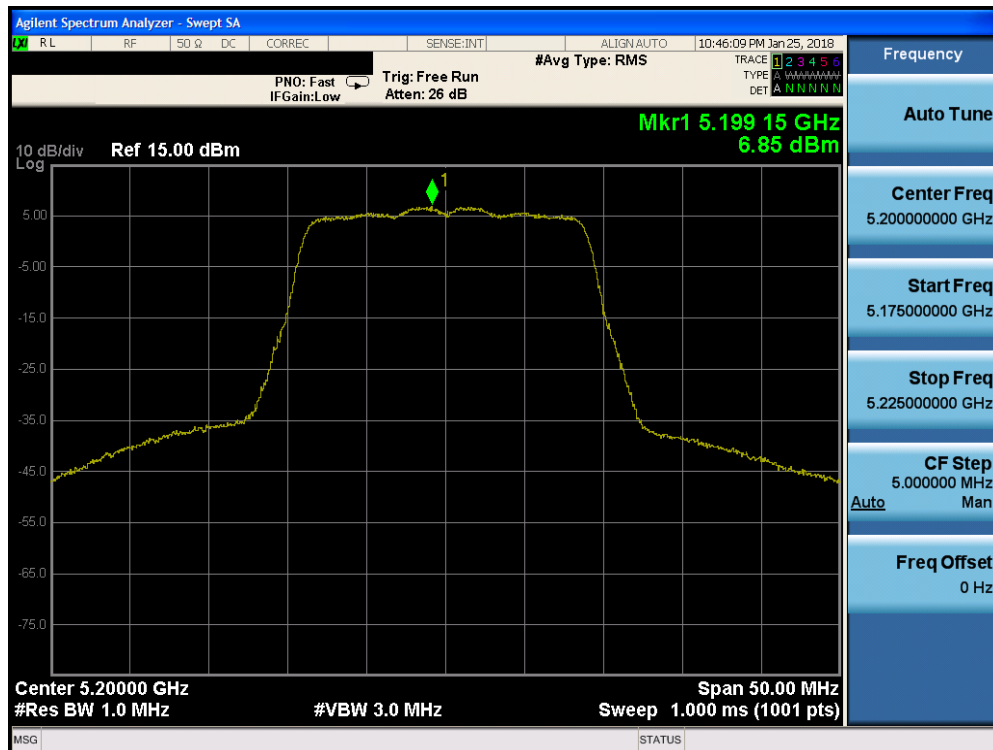


Plot 7-212. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 36)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 146 of 259                 |

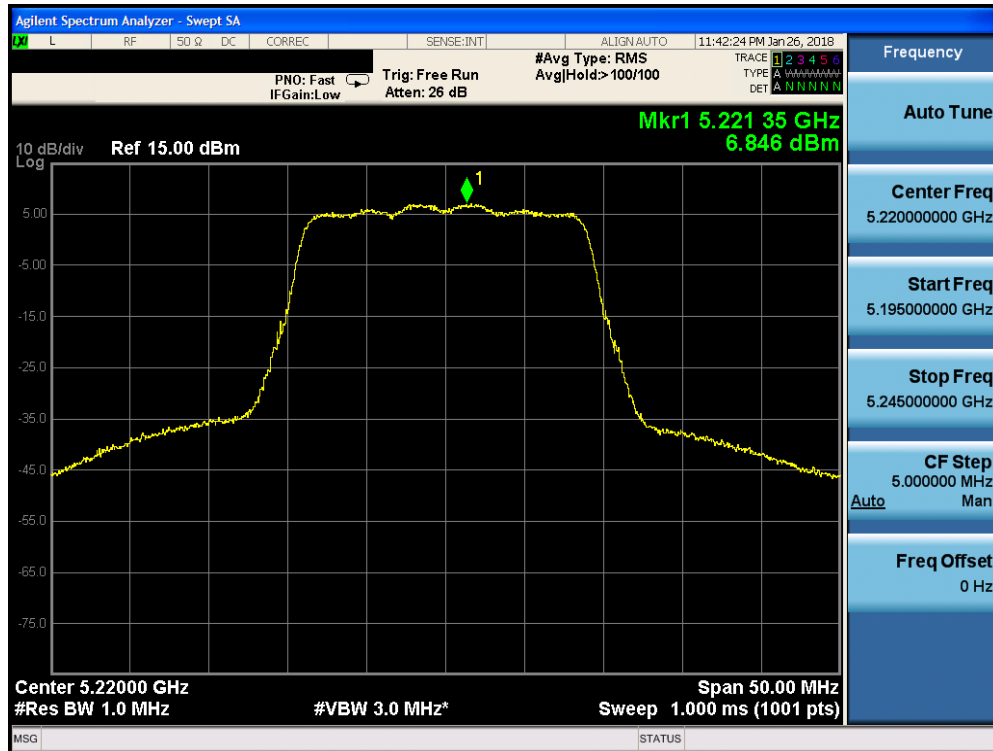


Plot 7-213. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 1) – Ch. 40)

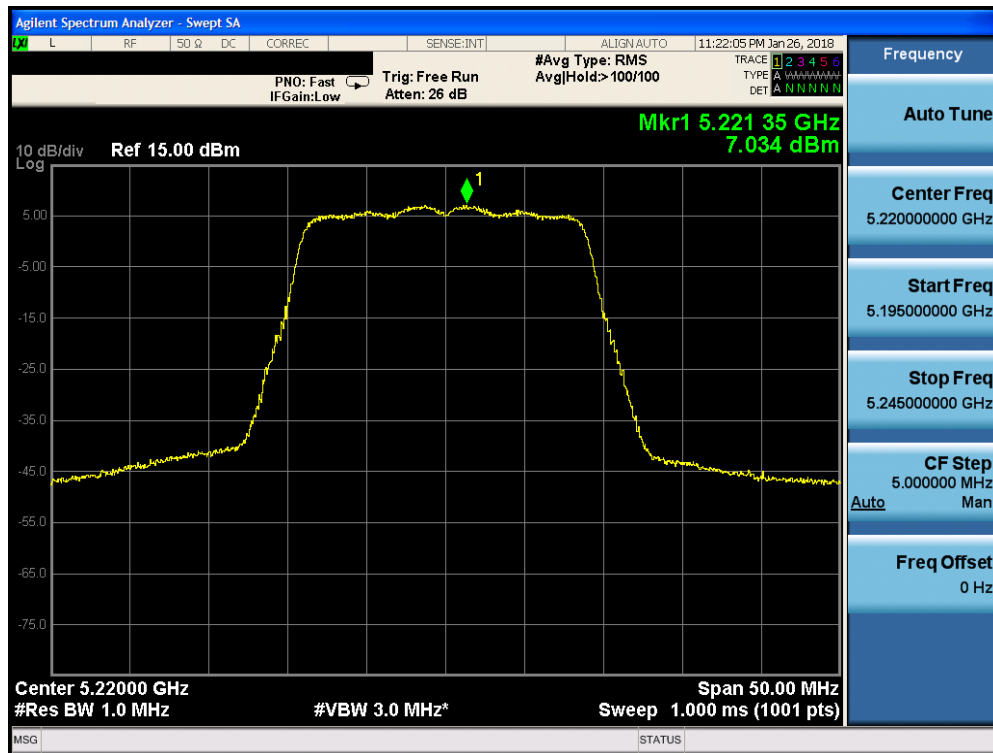


Plot 7-214. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 40)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 147 of 259                 |

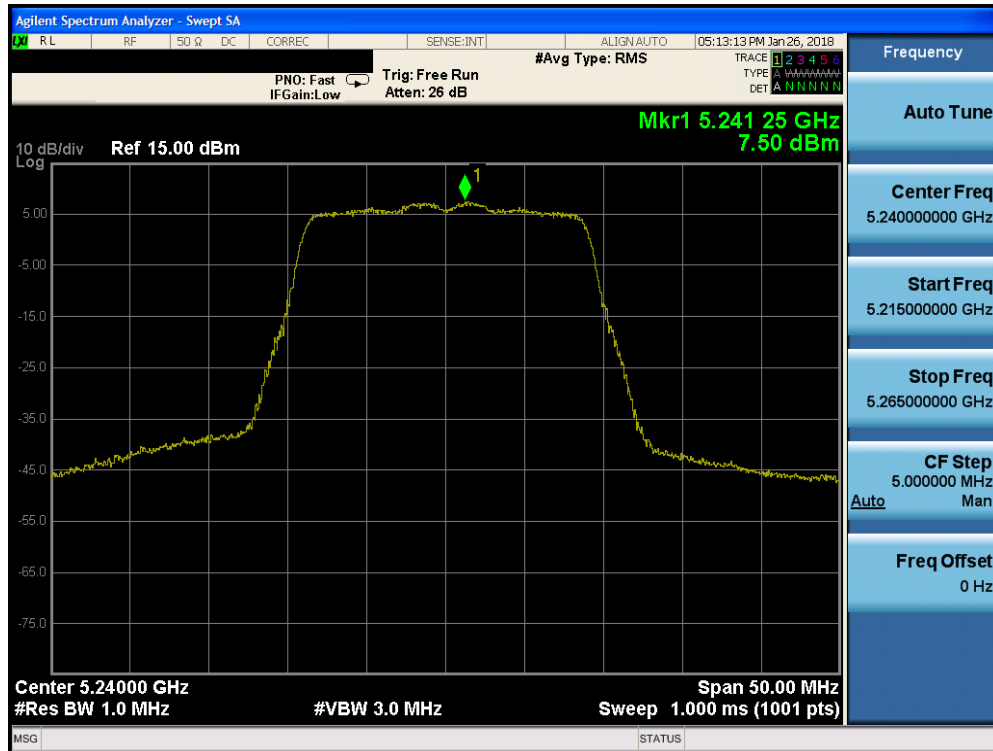


Plot 7-215. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 1) – Ch. 44)

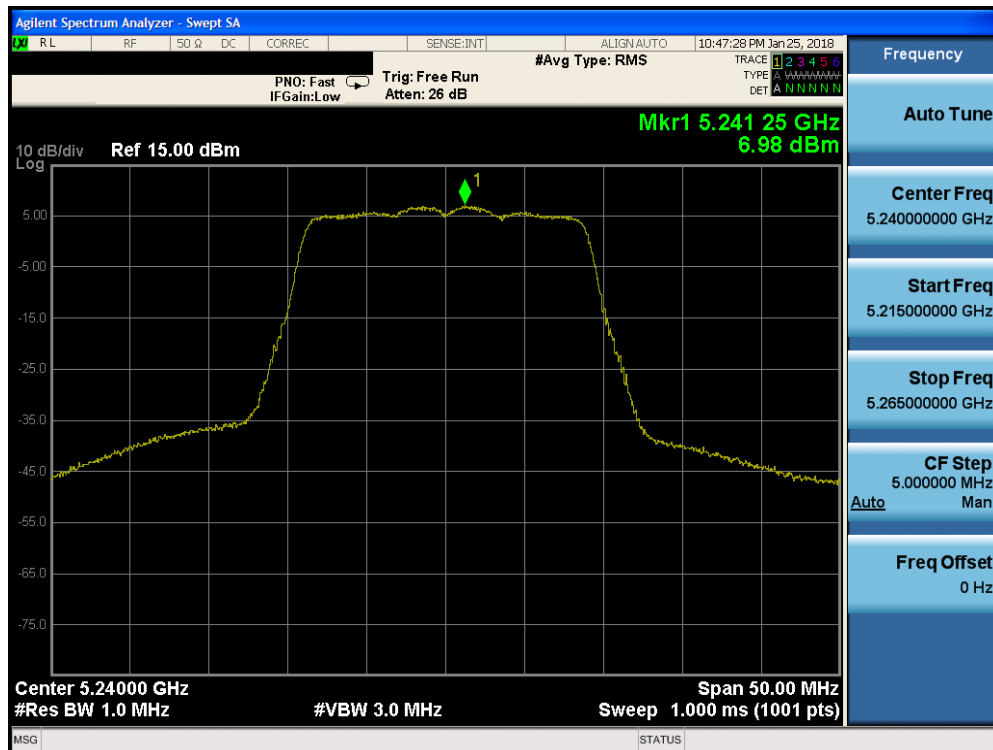


Plot 7-216. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 44)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 148 of 259                 |

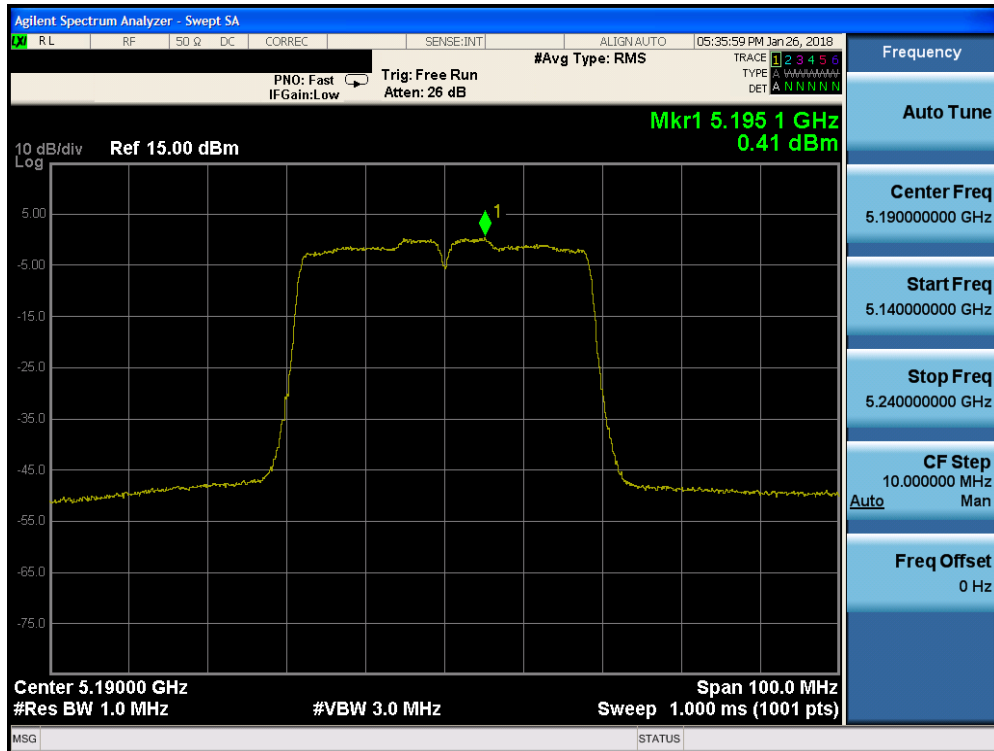


Plot 7-217. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 1) – Ch. 48)

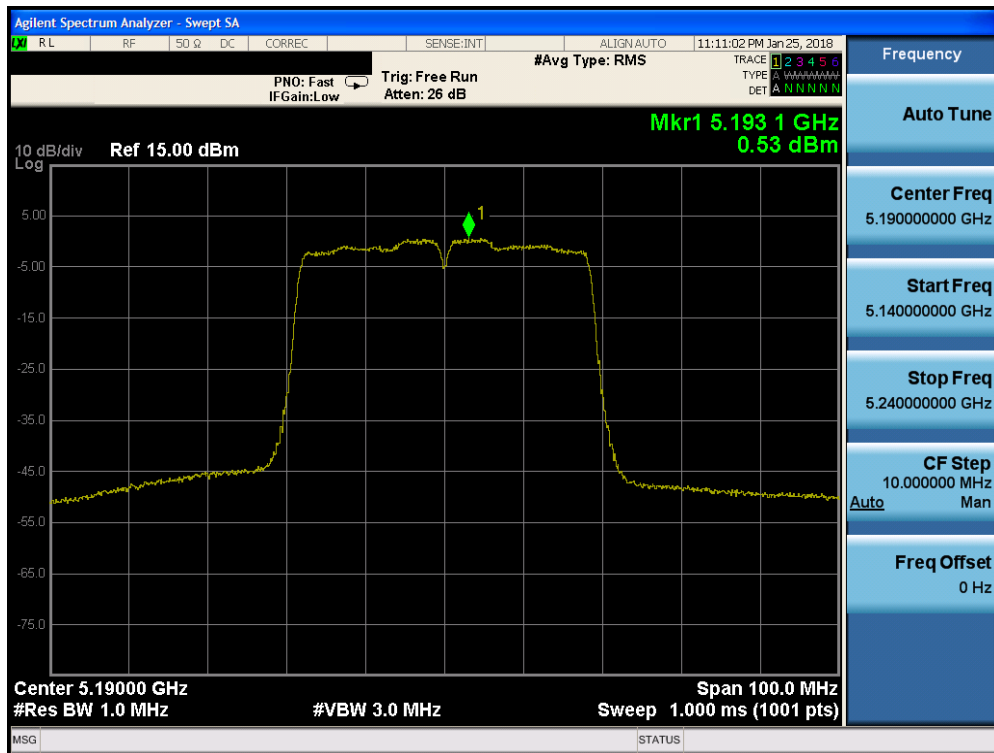


Plot 7-218. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 48)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 149 of 259                 |

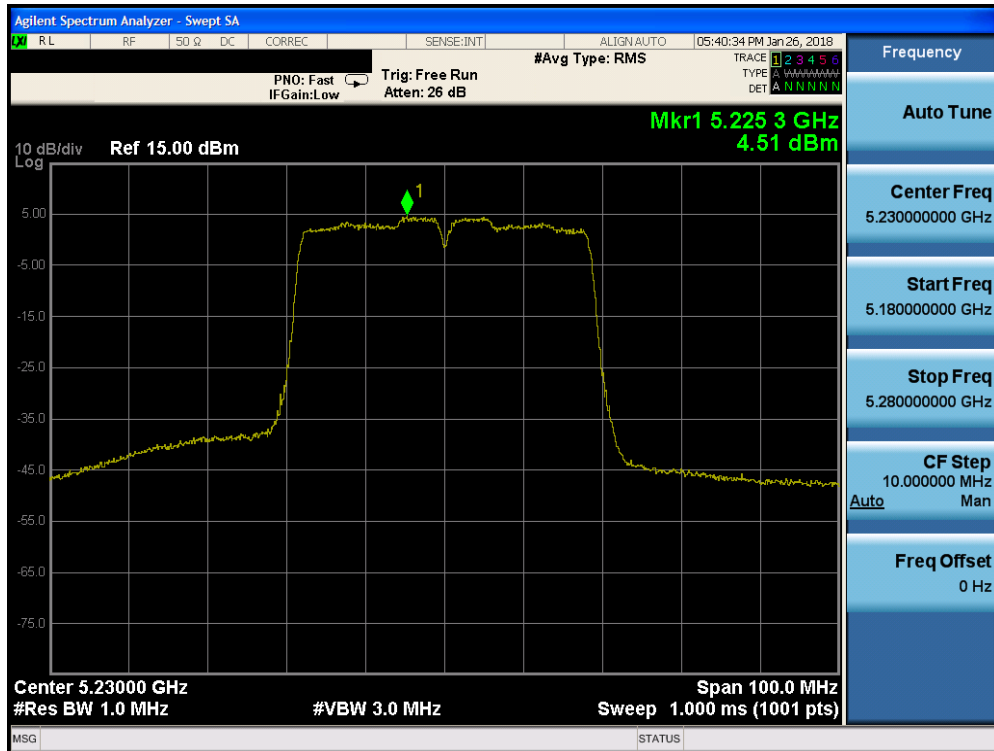


**Plot 7-219. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 1) – Ch. 38)**

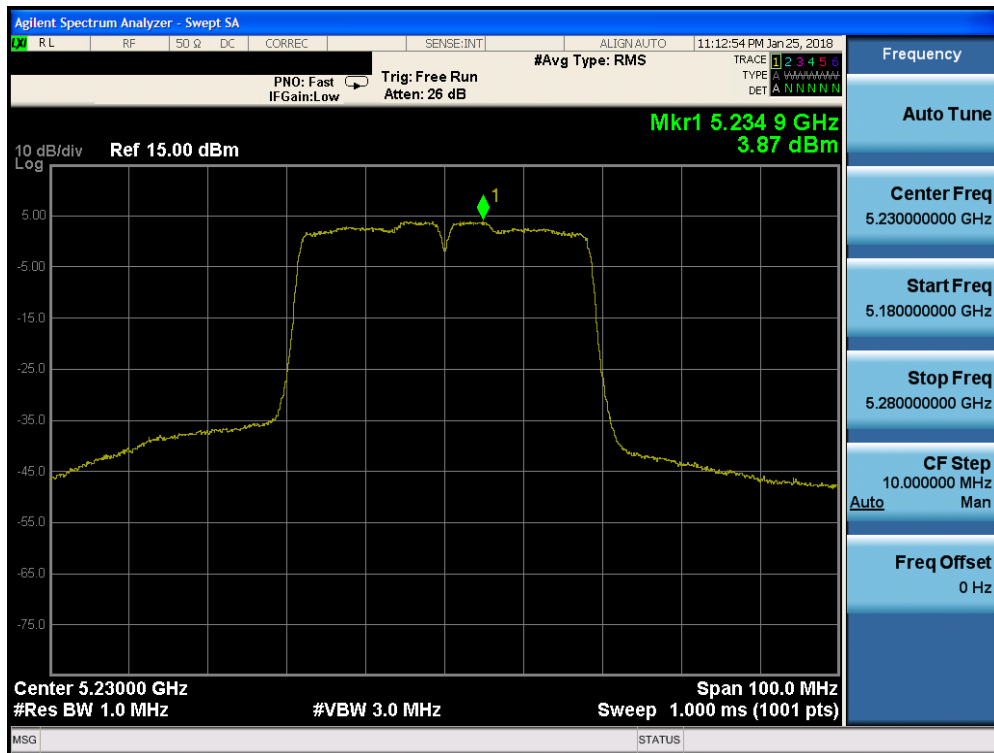


**Plot 7-220. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 1) – Ch. 38)**

|                                                |                                                                                                                                   |                                   |                                        |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA1954                               |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C1710060006-06.BCG | <b>Test Dates:</b><br>10/31-2/15/2018                                                                                             | <b>EUT Type:</b><br>Tablet Device | Page 150 of 259                        |

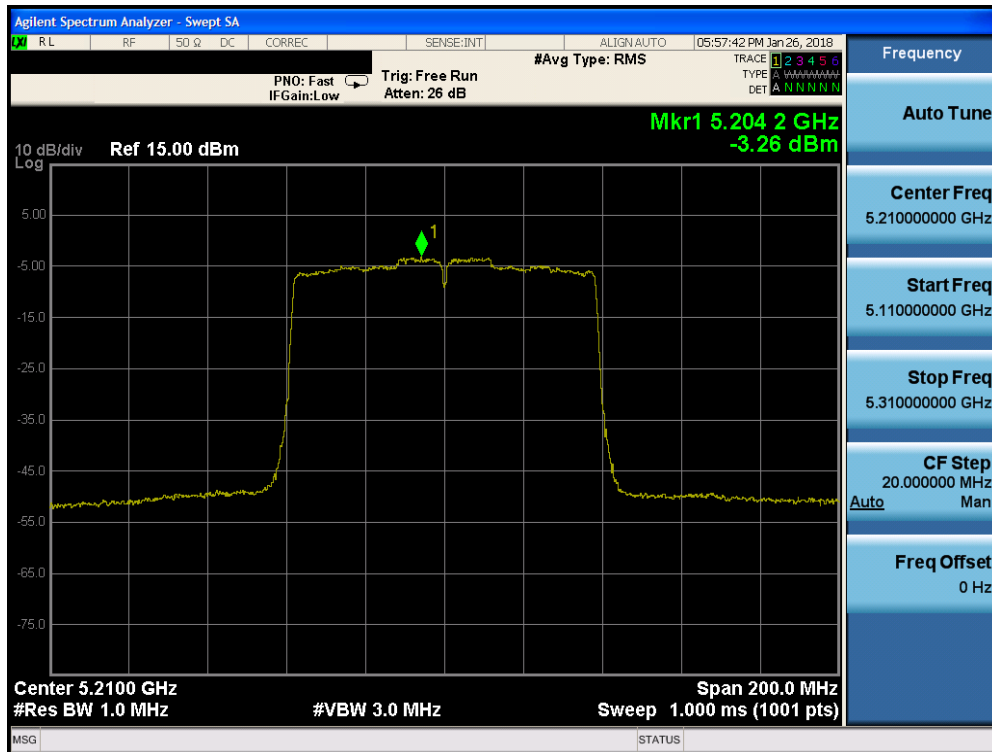


**Plot 7-221. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 1) – Ch. 46)**

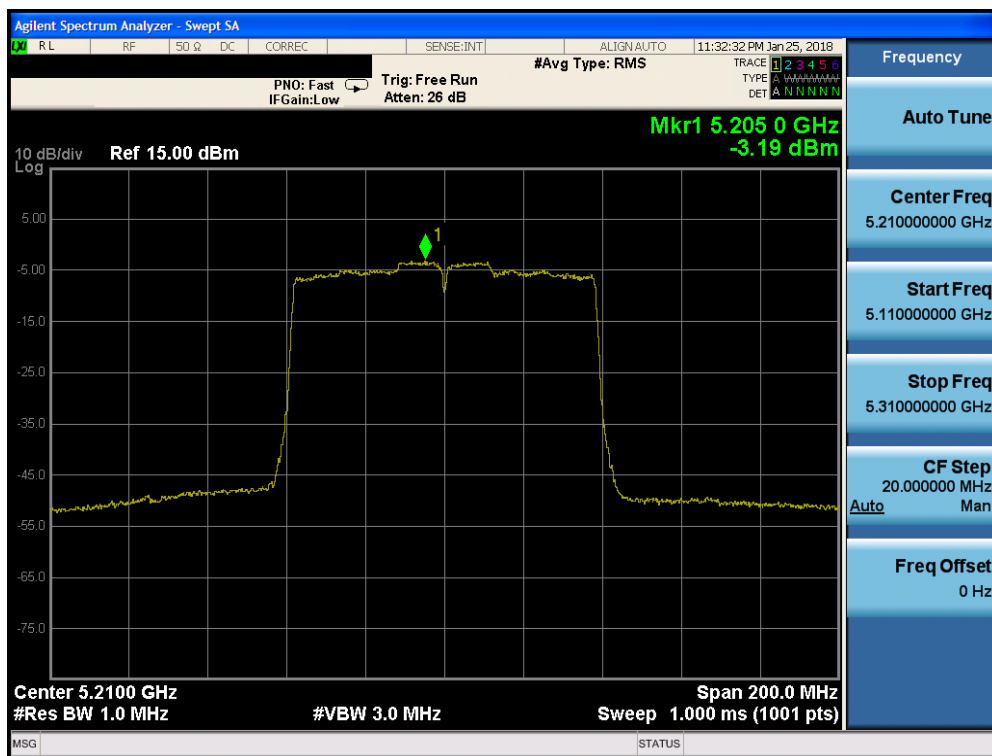


**Plot 7-222. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 1) – Ch. 46)**

|                                                |                                                                                                                                   |                                   |                                        |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA1954                               |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C1710060006-06.BCG | <b>Test Dates:</b><br>10/31-2/15/2018                                                                                             | <b>EUT Type:</b><br>Tablet Device | Page 151 of 259                        |

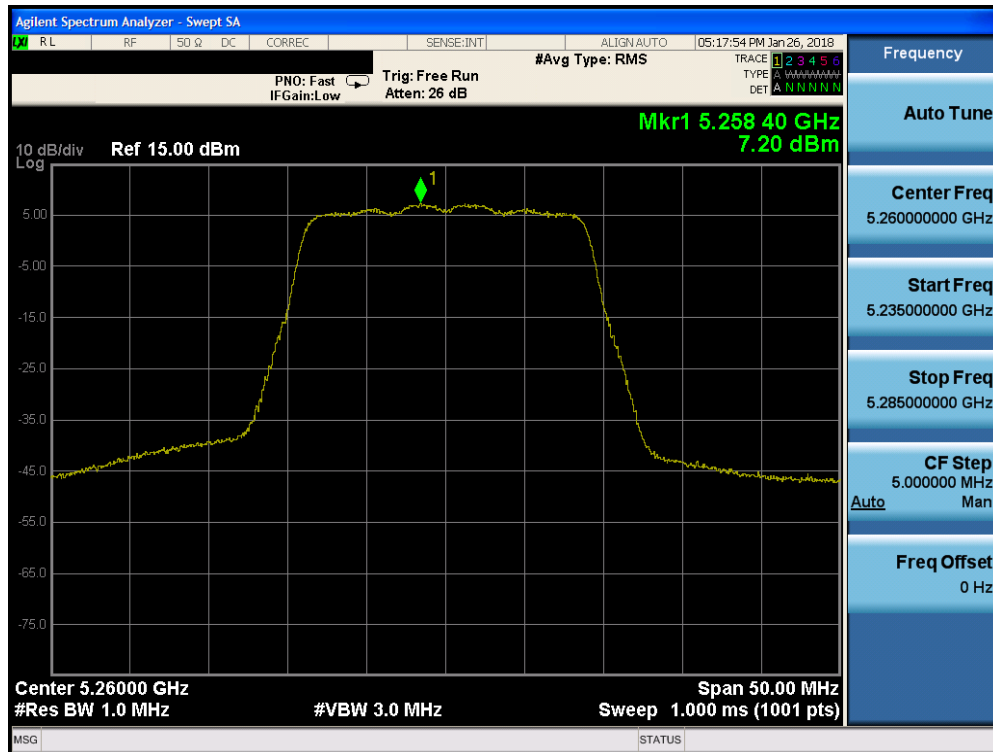


**Plot 7-223. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)**

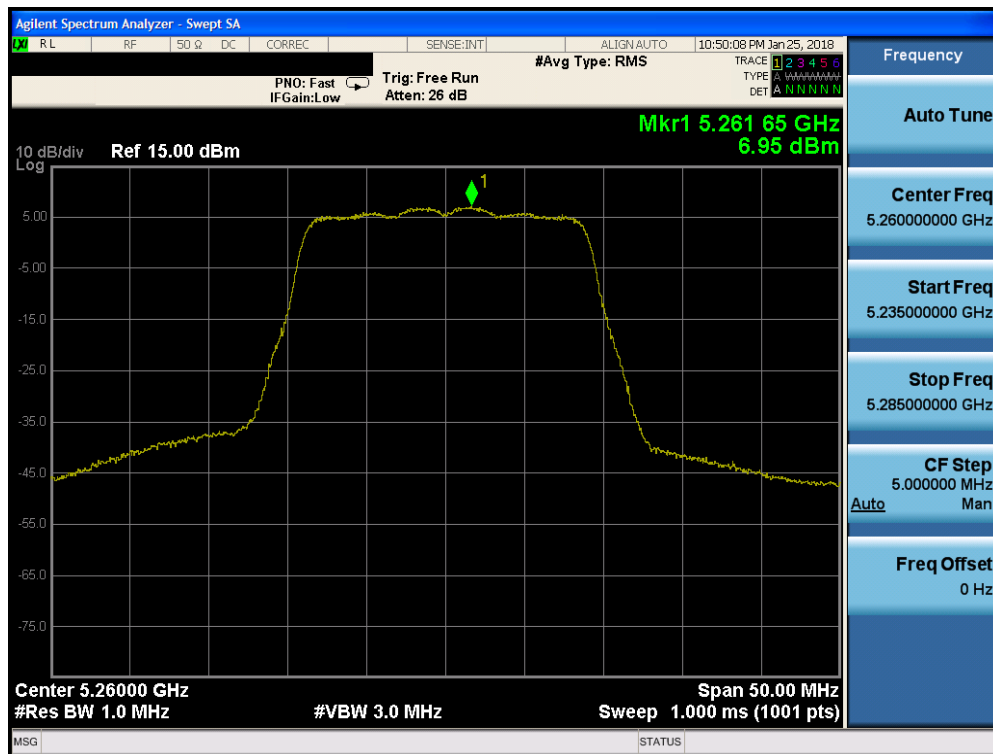


**Plot 7-224. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)**

|                                                |                                                                                                                                   |                                   |                                        |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA1954                               |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C1710060006-06.BCG | <b>Test Dates:</b><br>10/31-2/15/2018                                                                                             | <b>EUT Type:</b><br>Tablet Device | Page 152 of 259                        |

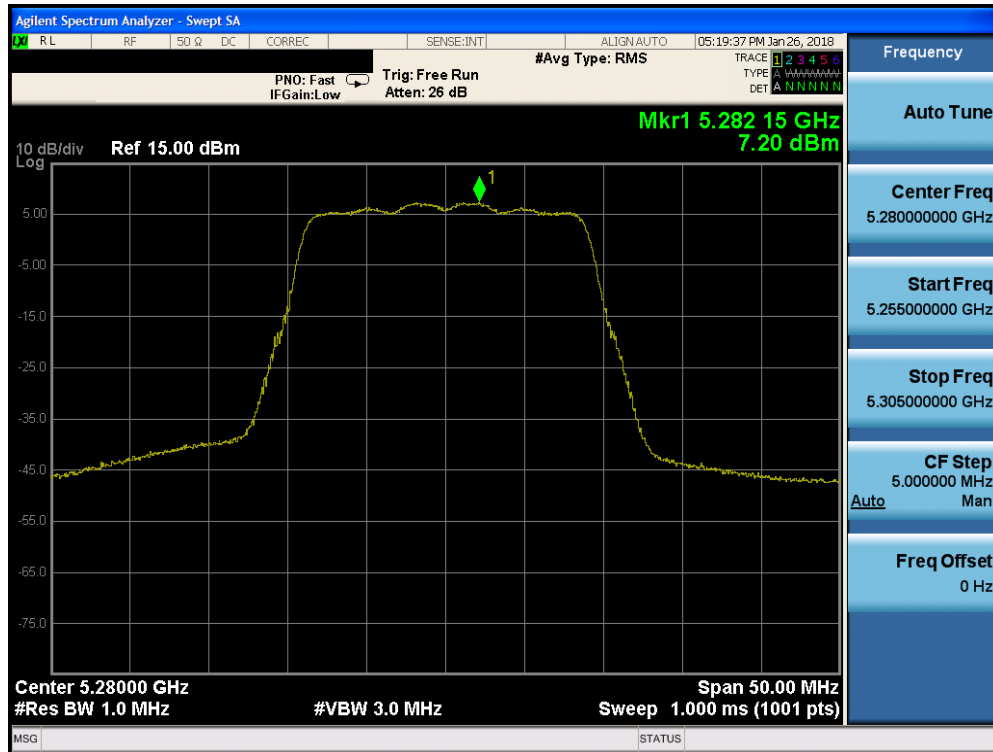


Plot 7-225. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2A) – Ch. 52)

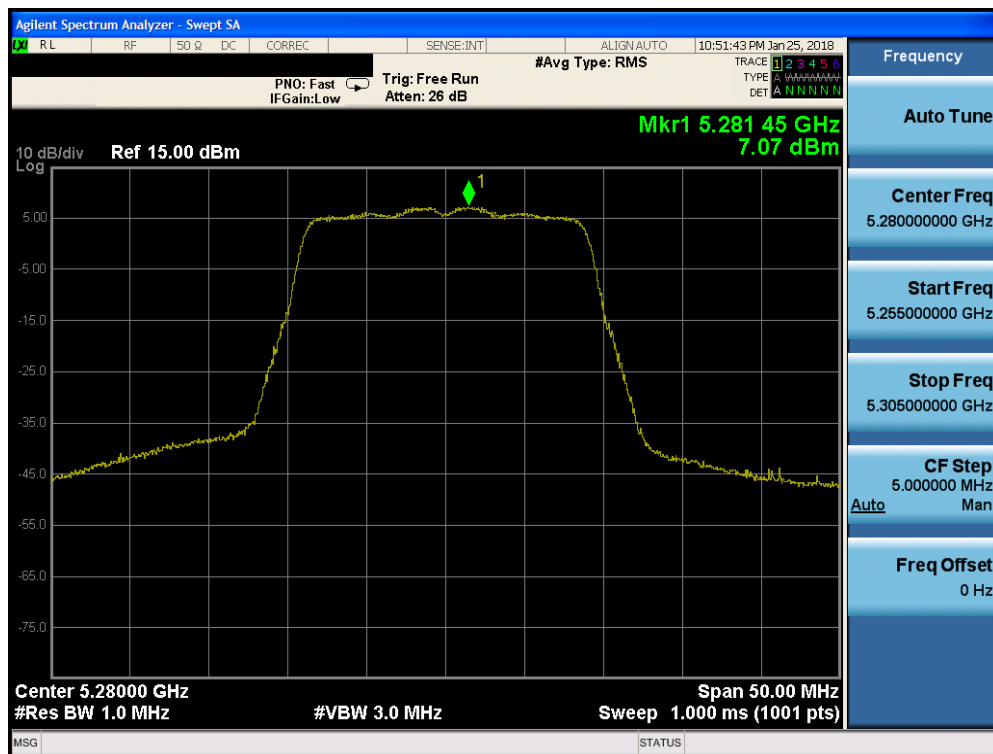


Plot 7-226. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 52)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 153 of 259                 |

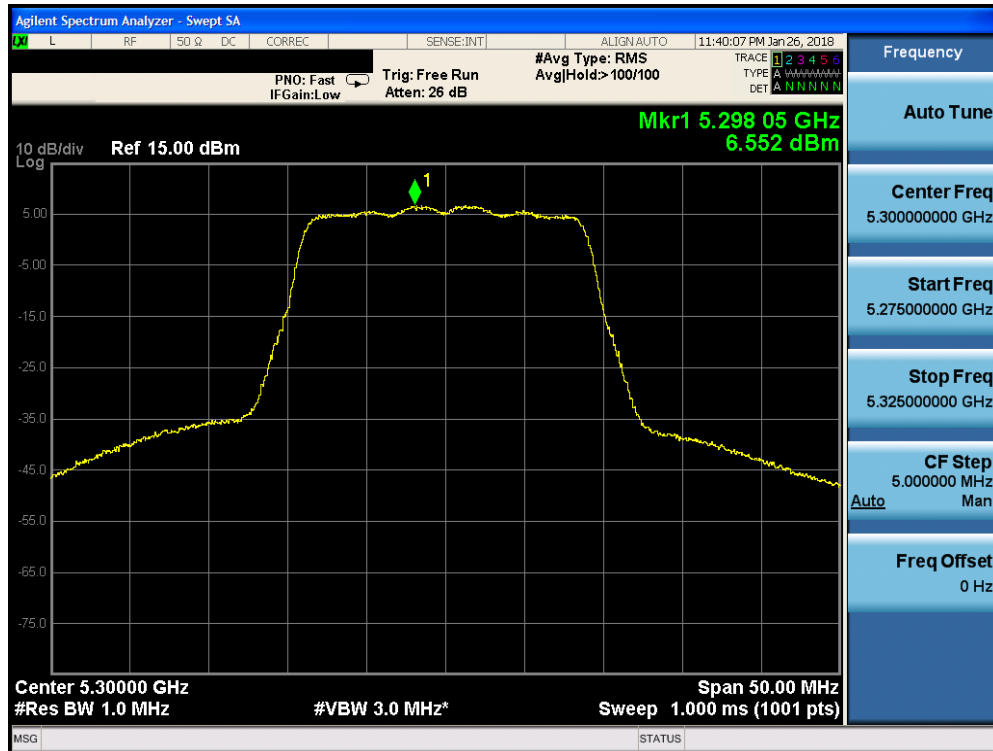


Plot 7-227. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)

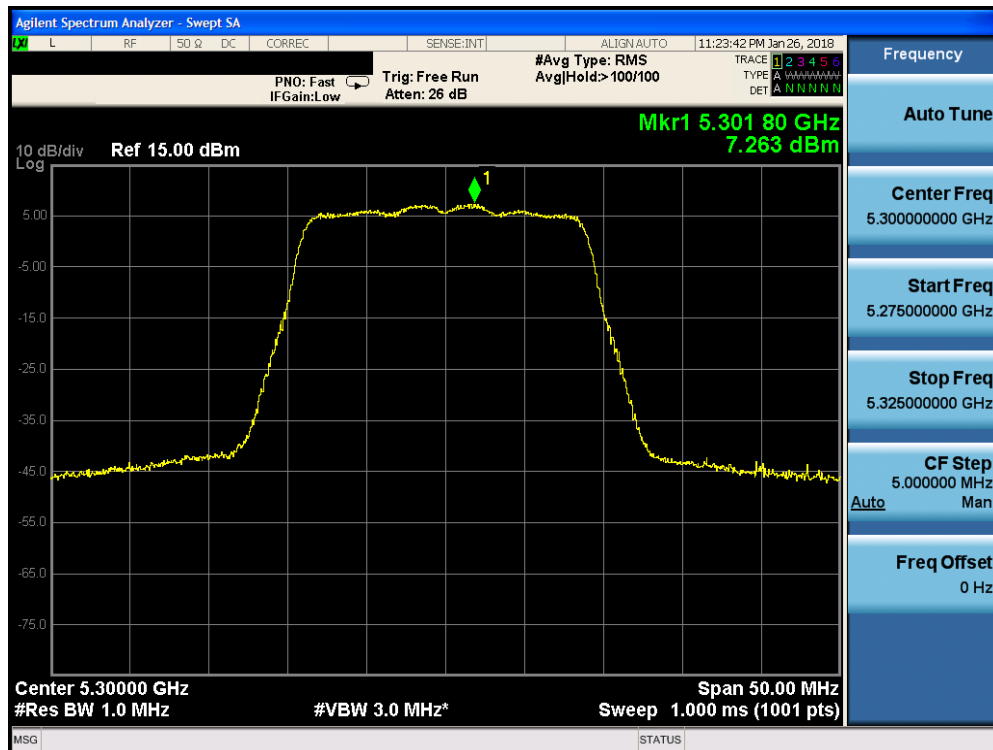


Plot 7-228. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 154 of 259                 |

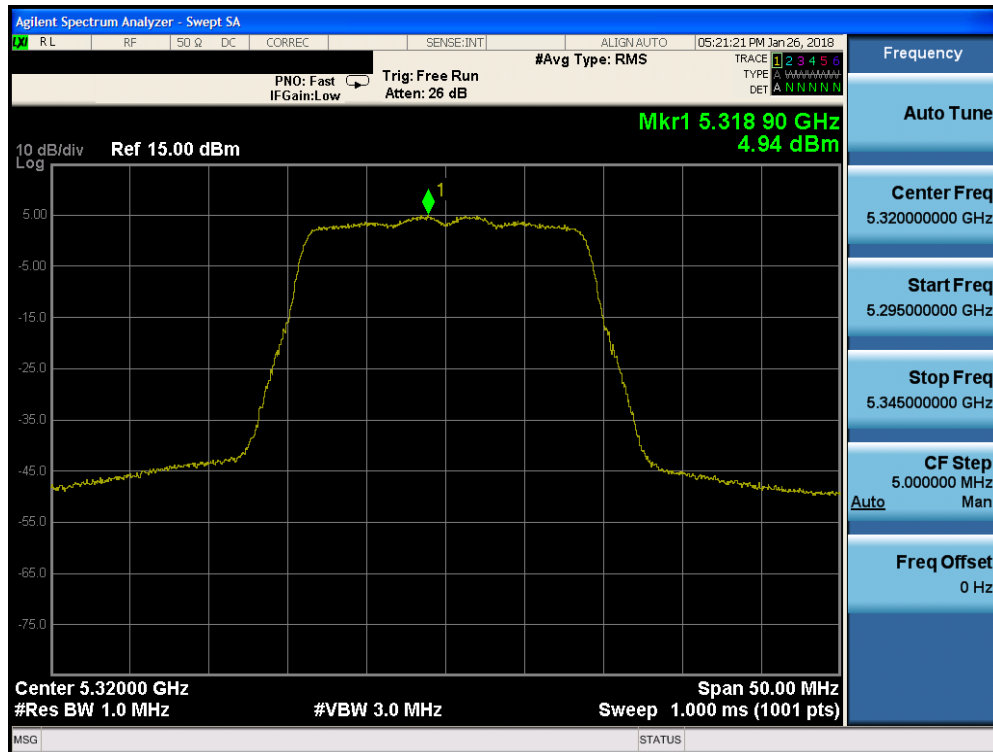


Plot 7-229. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2A) – Ch. 60)

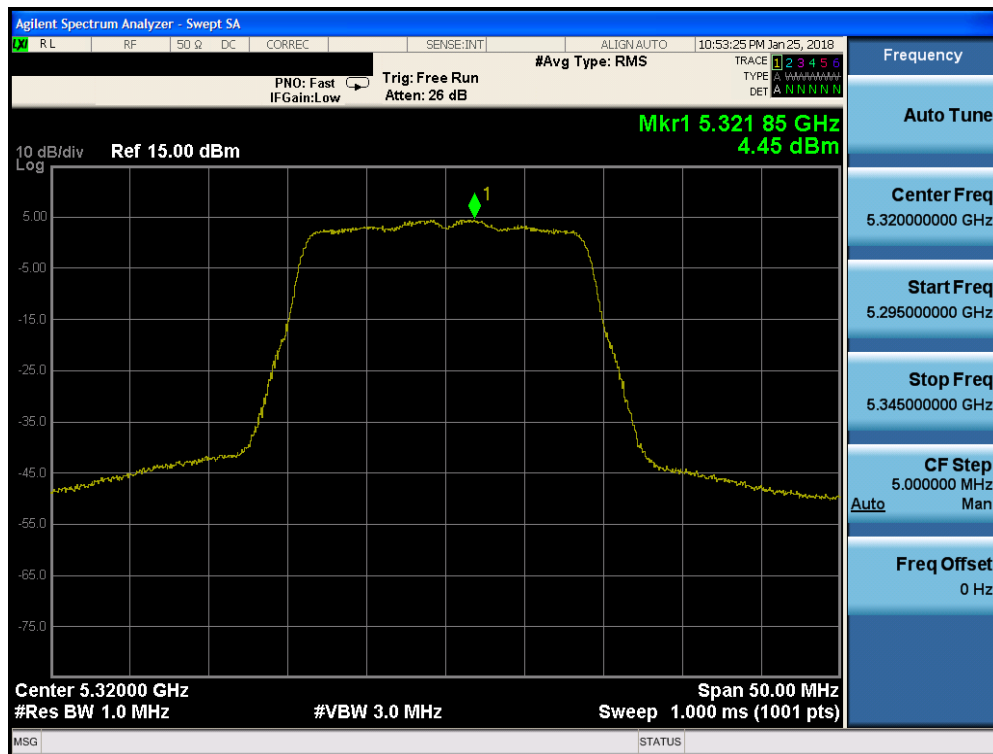


Plot 7-230. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 60)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 155 of 259                 |

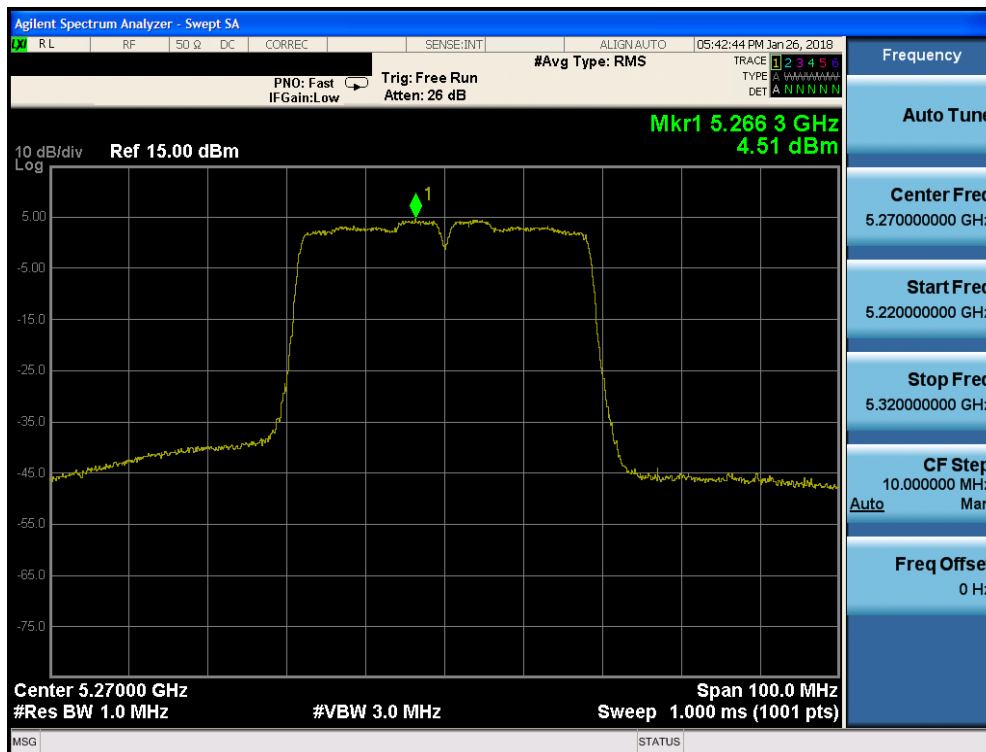


Plot 7-231. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2A) – Ch. 64)

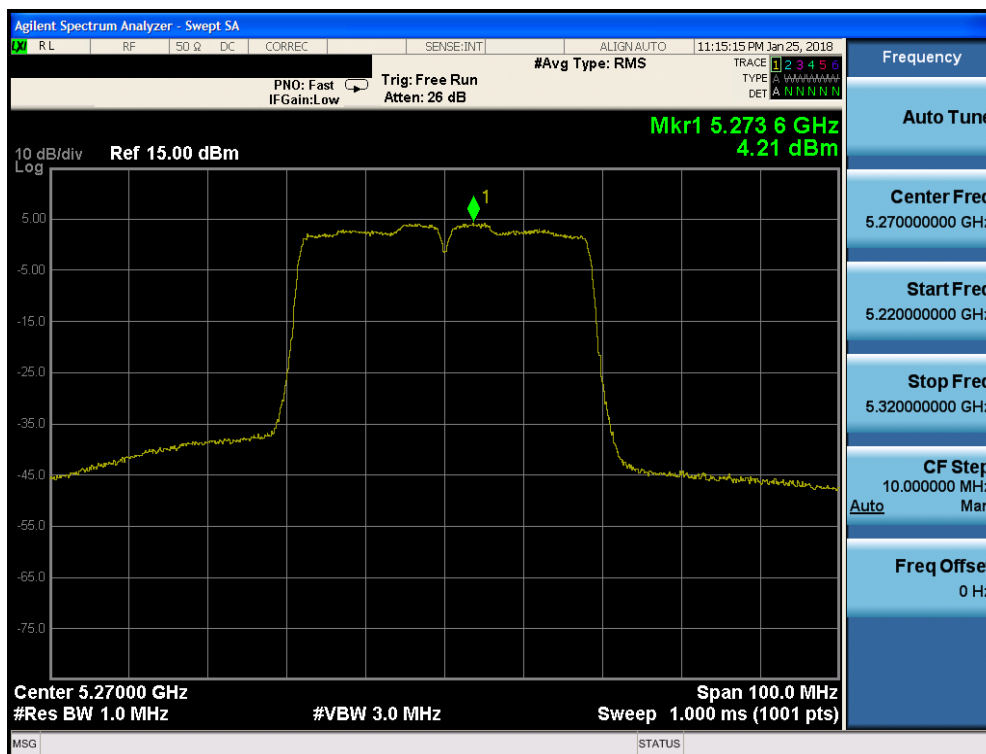


Plot 7-232. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 64)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 156 of 259                 |

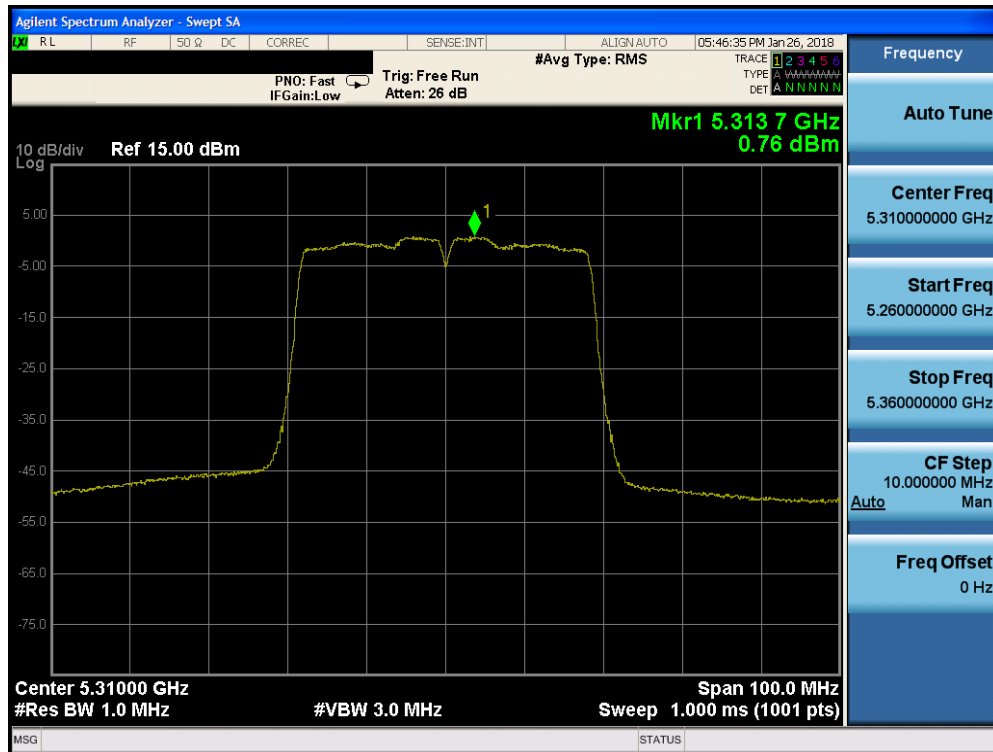


Plot 7-233. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

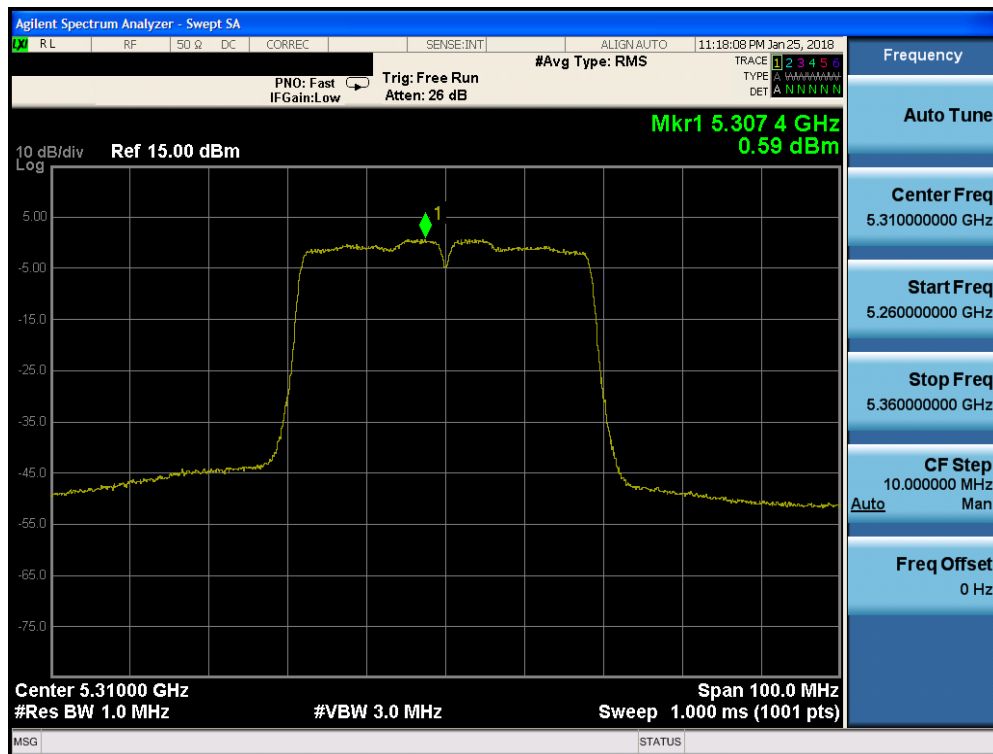


Plot 7-234. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 157 of 259                 |

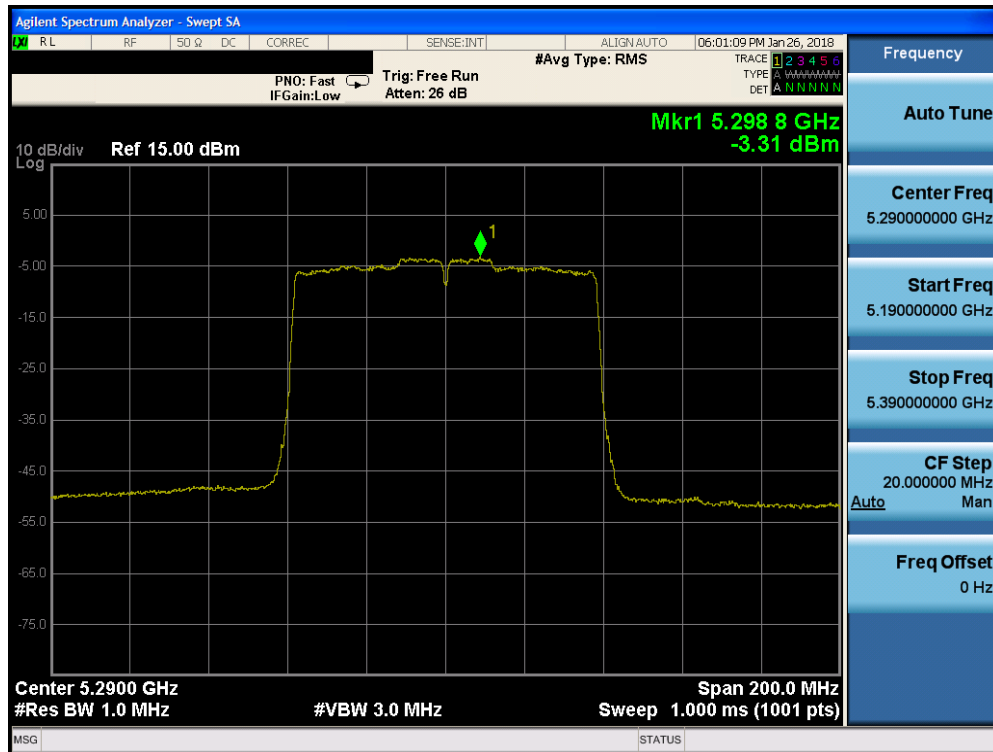


Plot 7-235. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

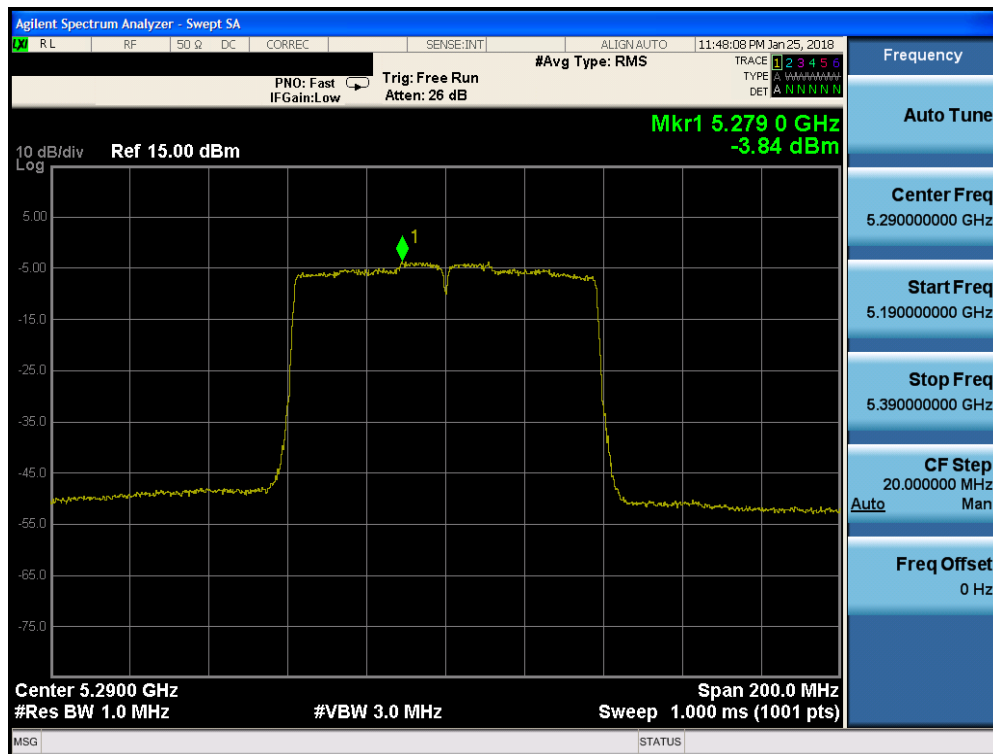


Plot 7-236. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 158 of 259                 |

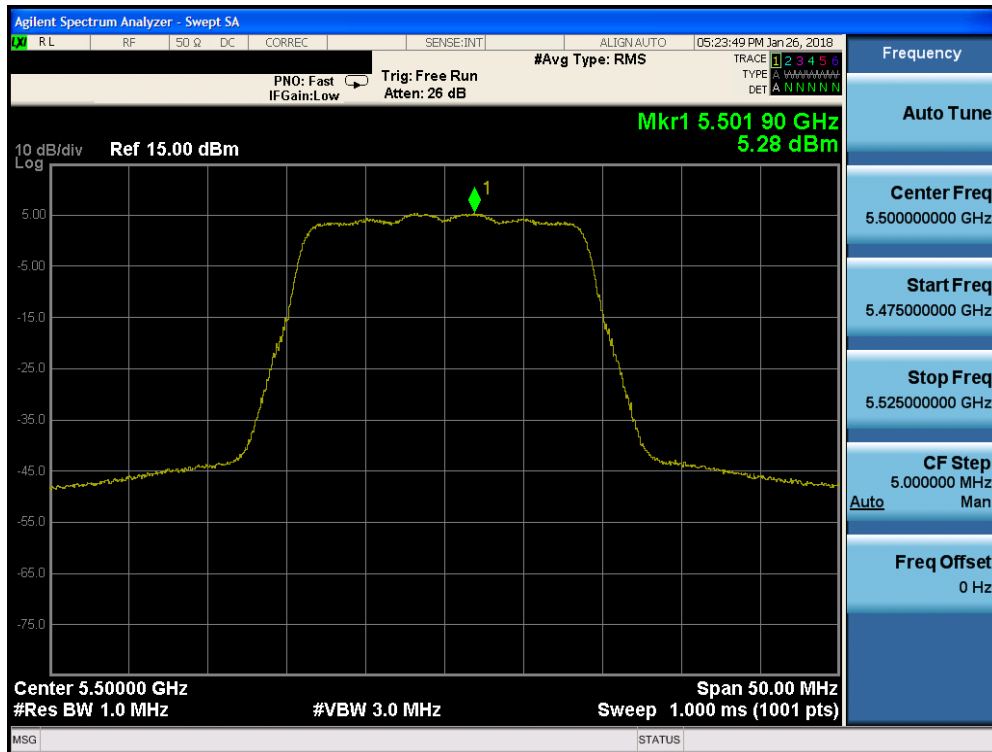


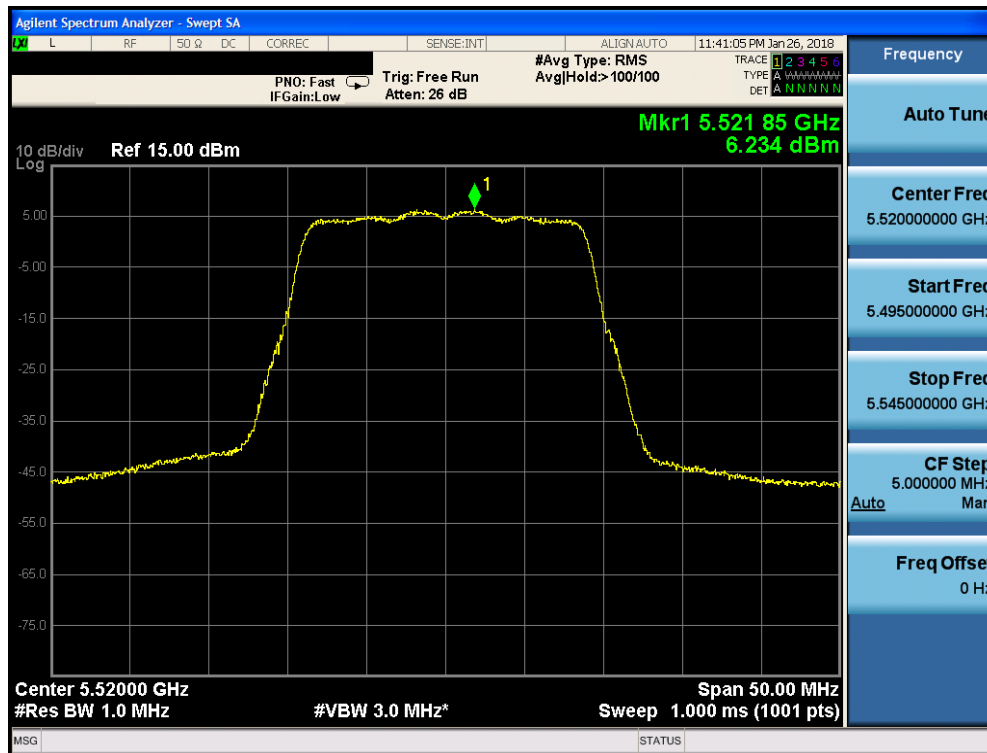
Plot 7-237. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)



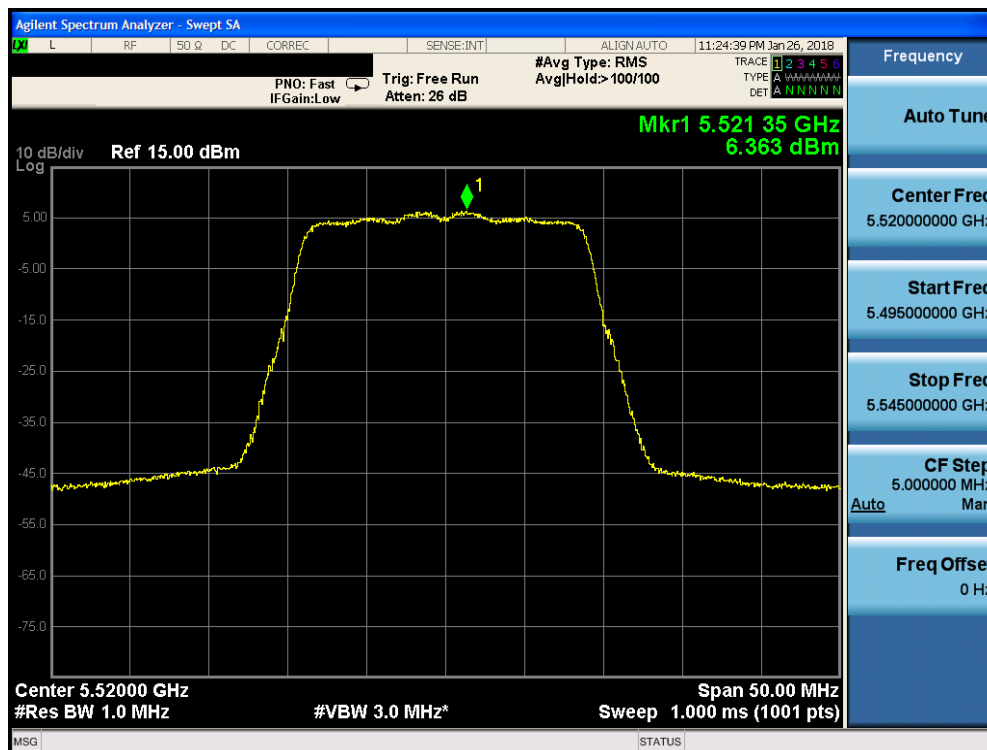
Plot 7-238. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 159 of 259                 |



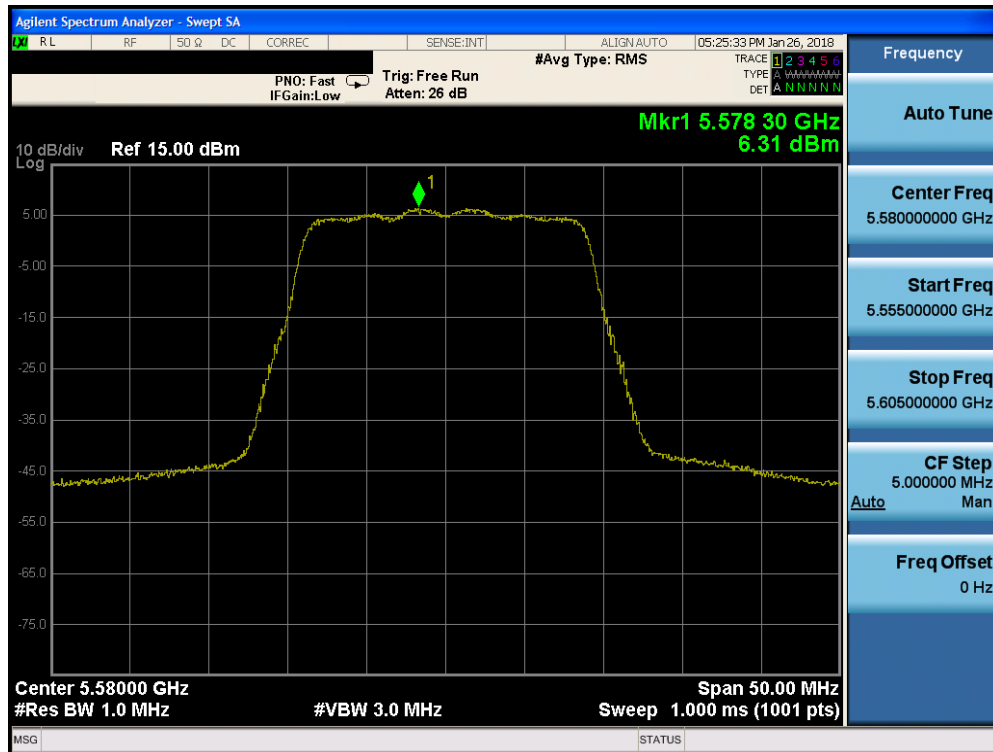


Plot 7-241. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 104)

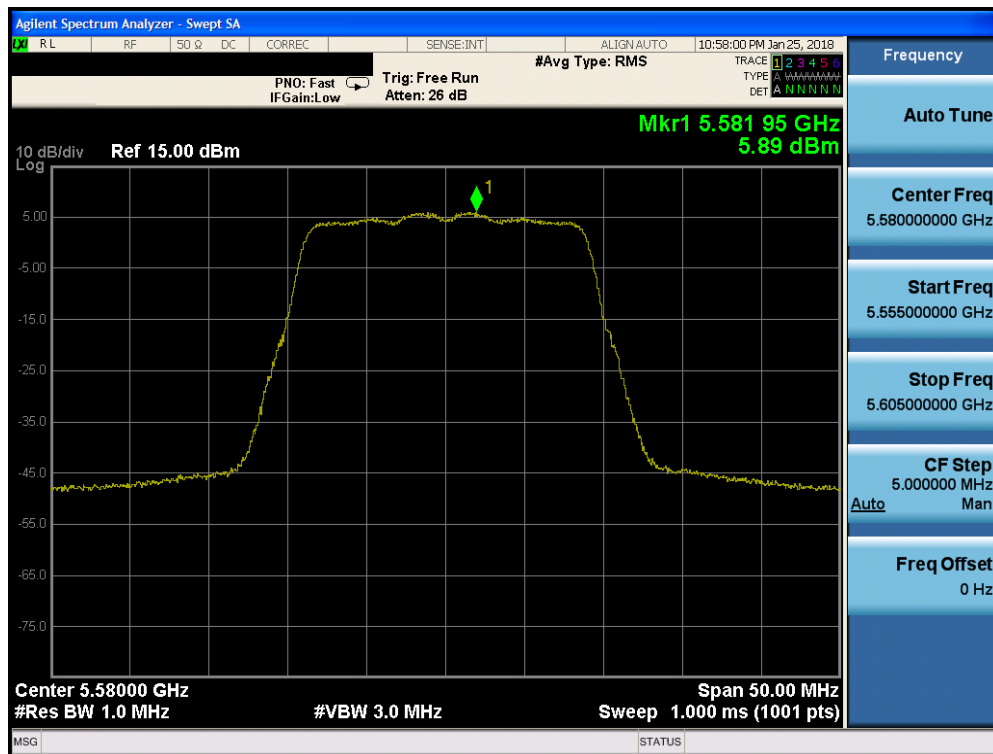


Plot 7-242. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 104)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 161 of 259                 |

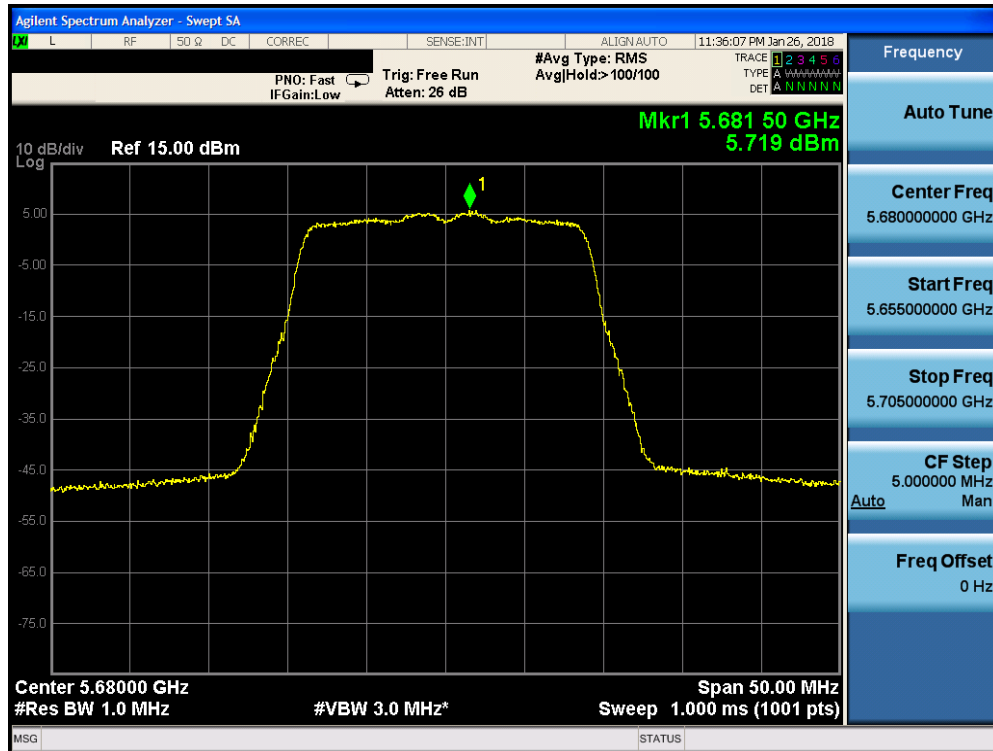


Plot 7-243. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 116)

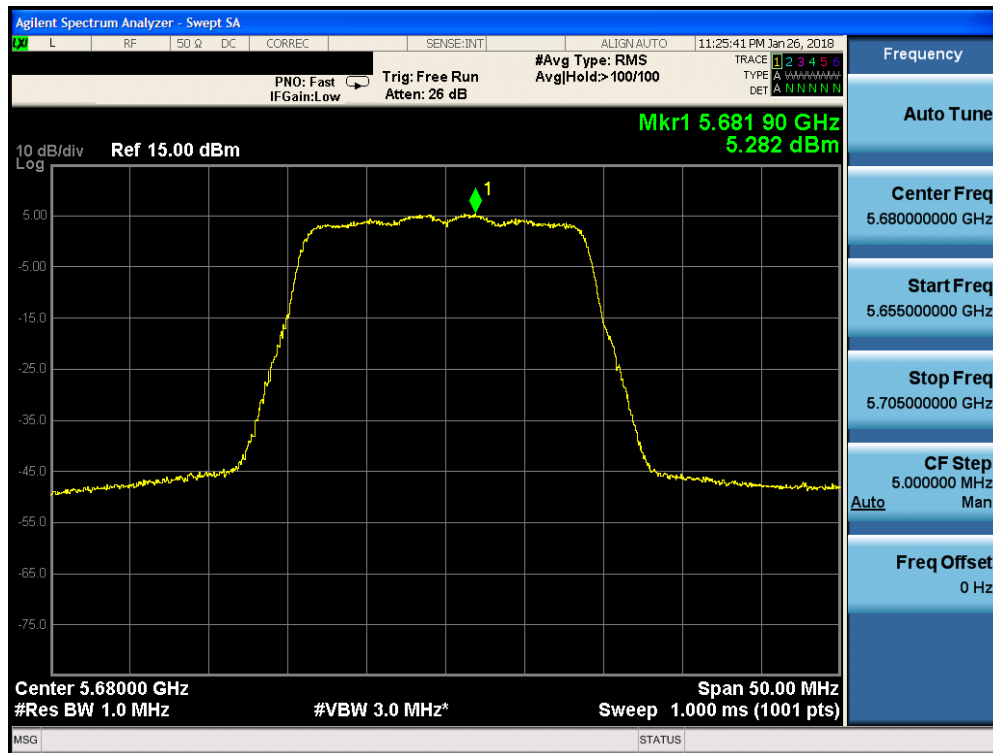


Plot 7-244. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 116)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 162 of 259                 |

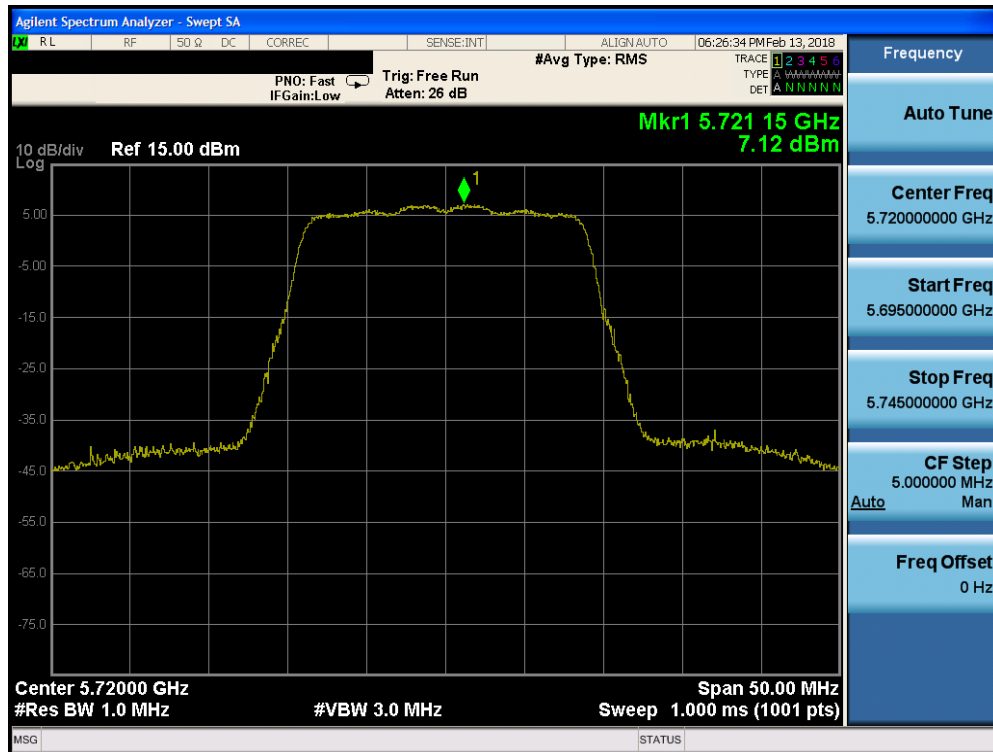


Plot 7-245. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 136)

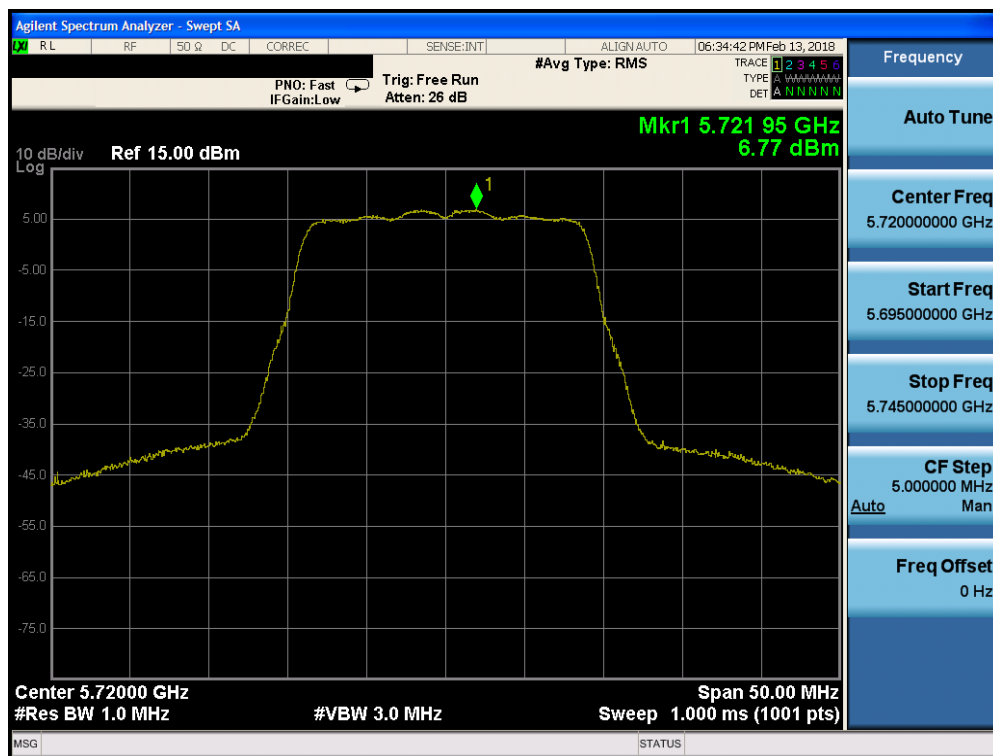


Plot 7-246. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 136)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 163 of 259                 |

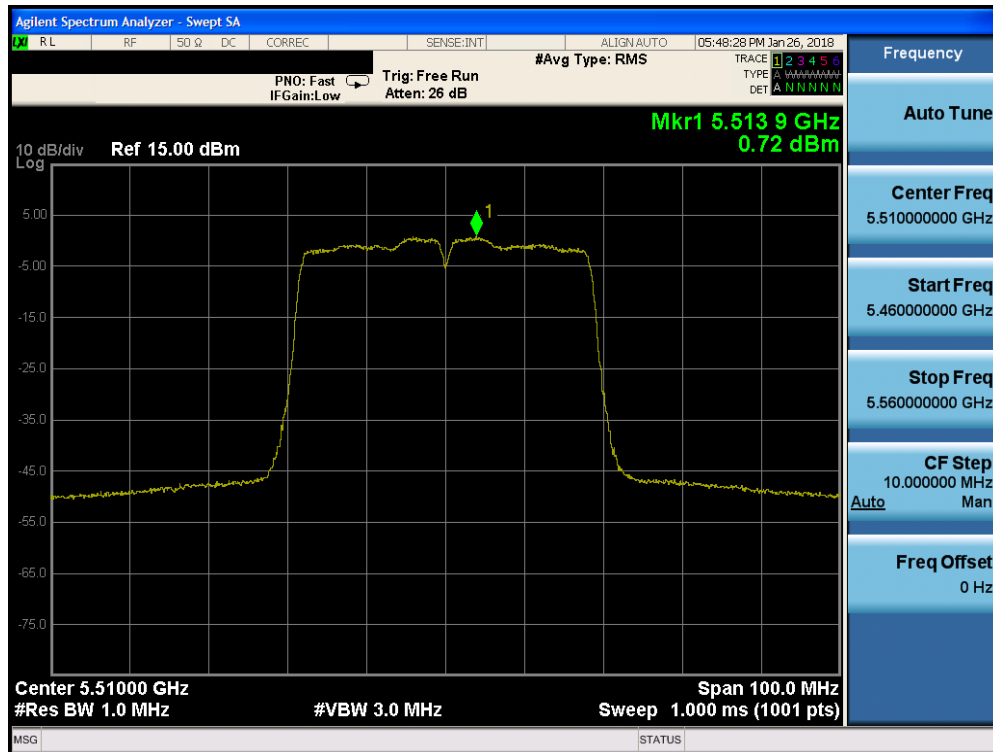


Plot 7-247. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)

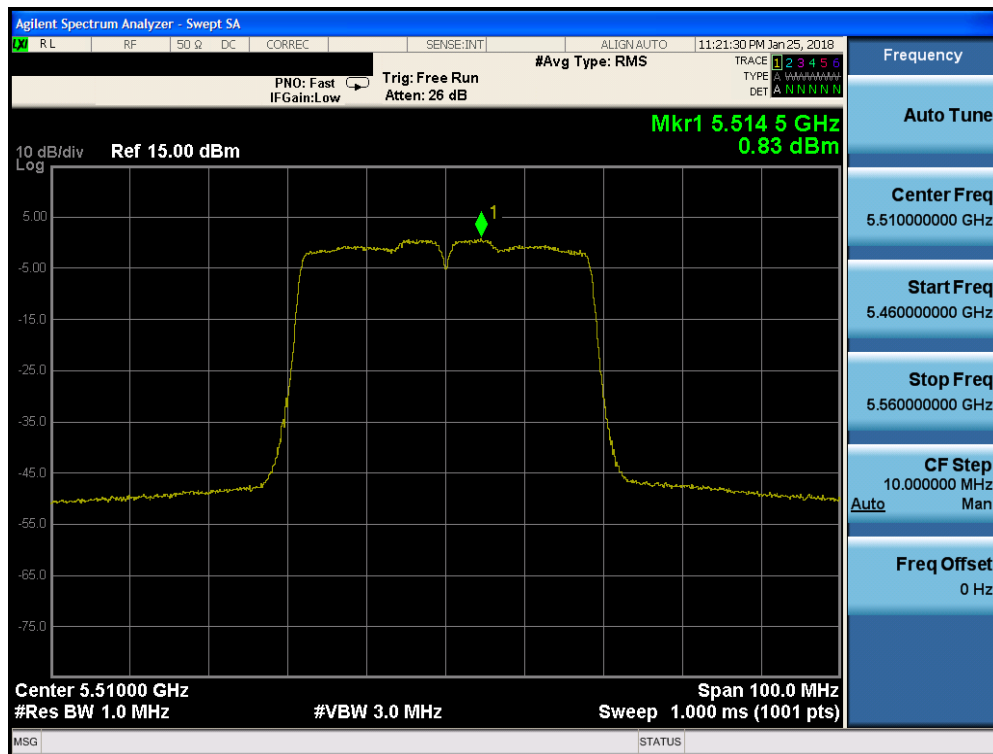


Plot 7-248. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 164 of 259                 |

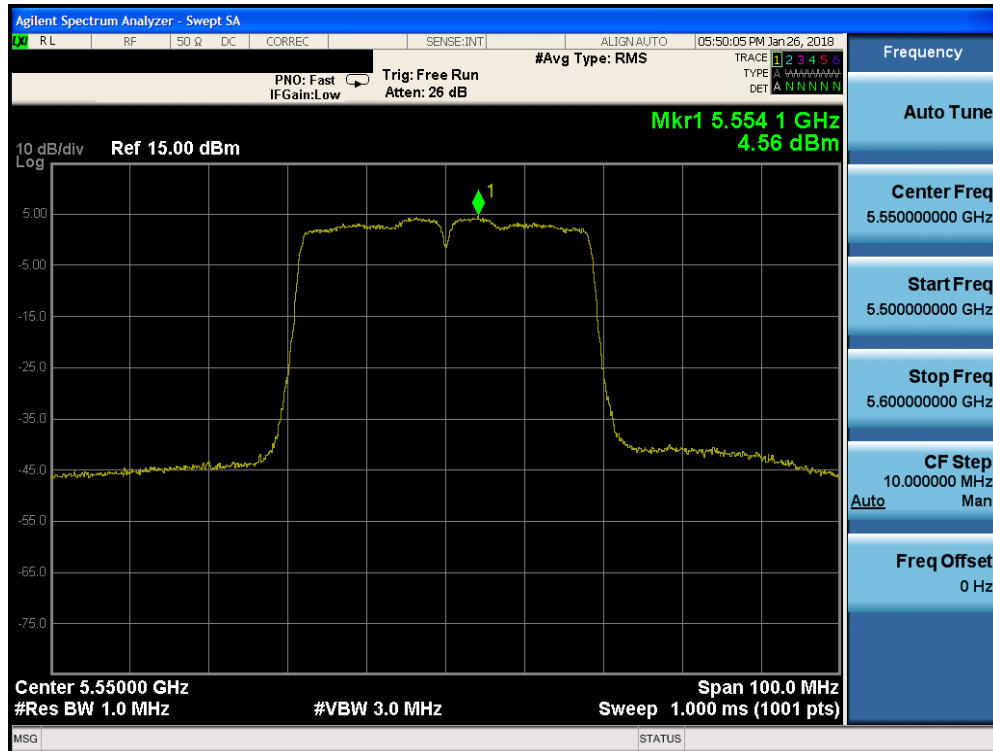


Plot 7-249. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

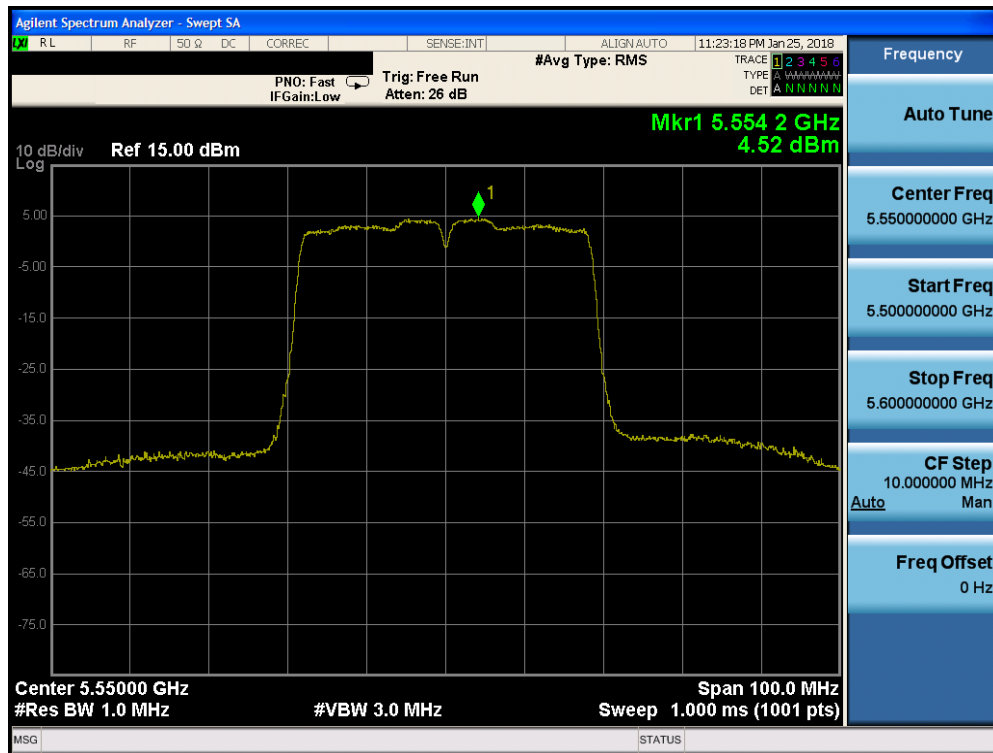


Plot 7-250. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 165 of 259                 |

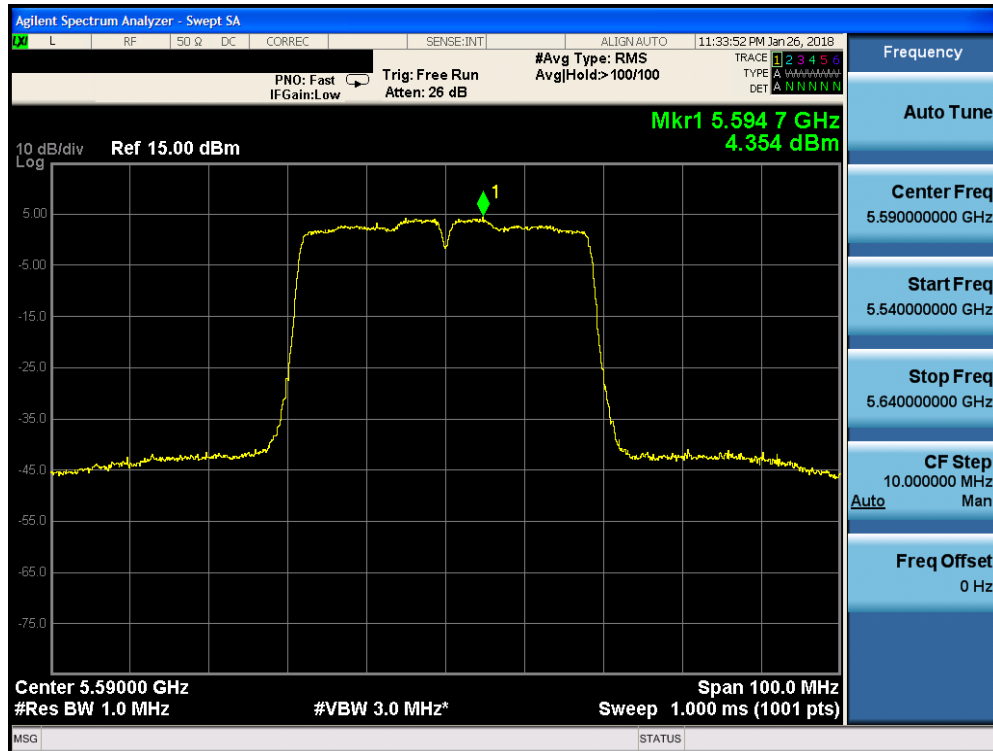


Plot 7-251. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 110)

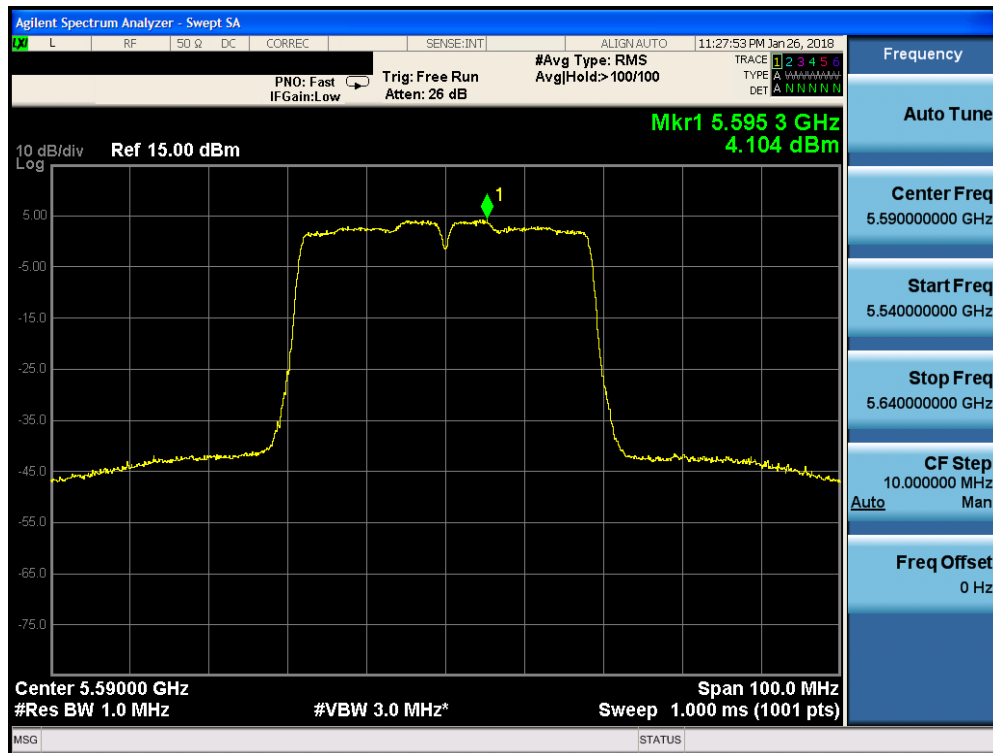


Plot 7-252. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 110)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 166 of 259                 |

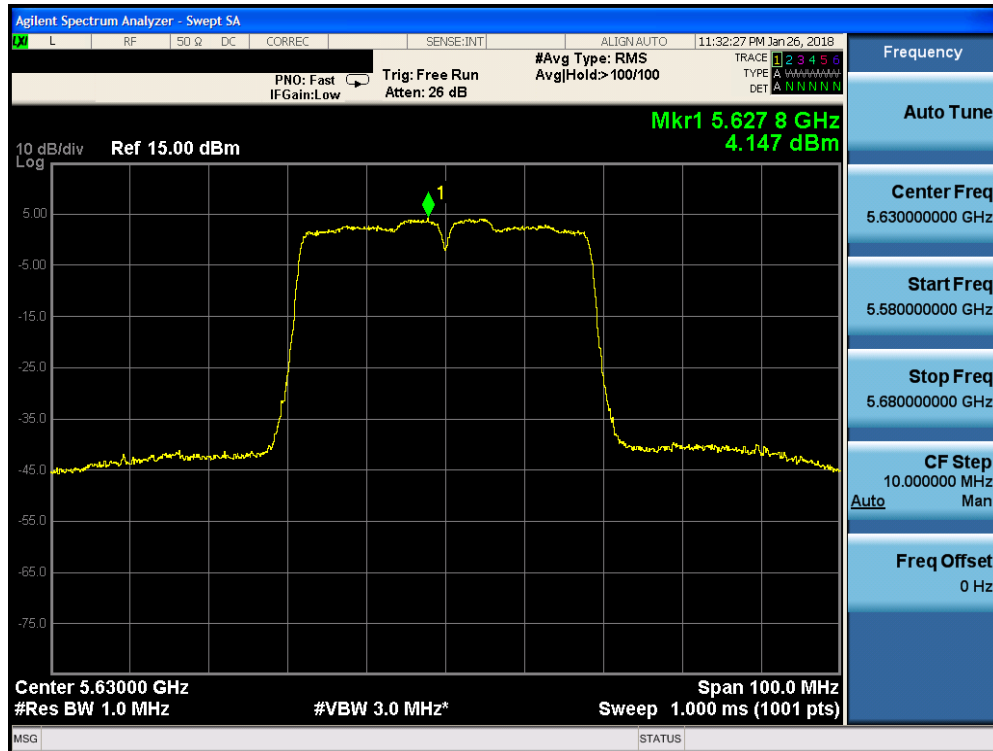


Plot 7-253. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

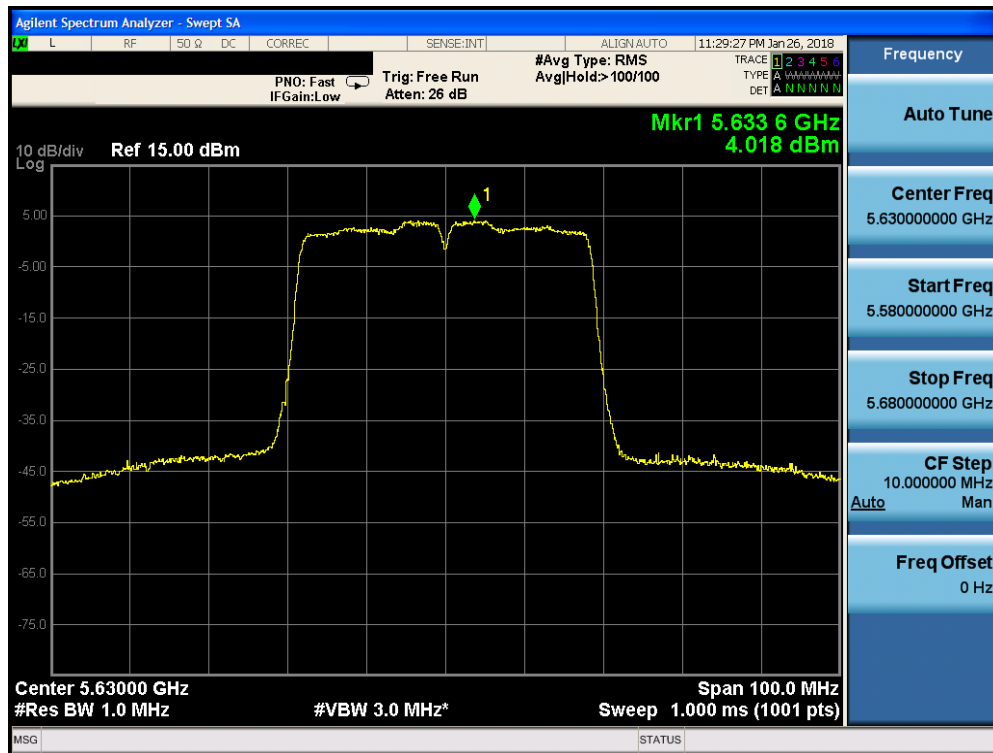


Plot 7-254. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 167 of 259                 |

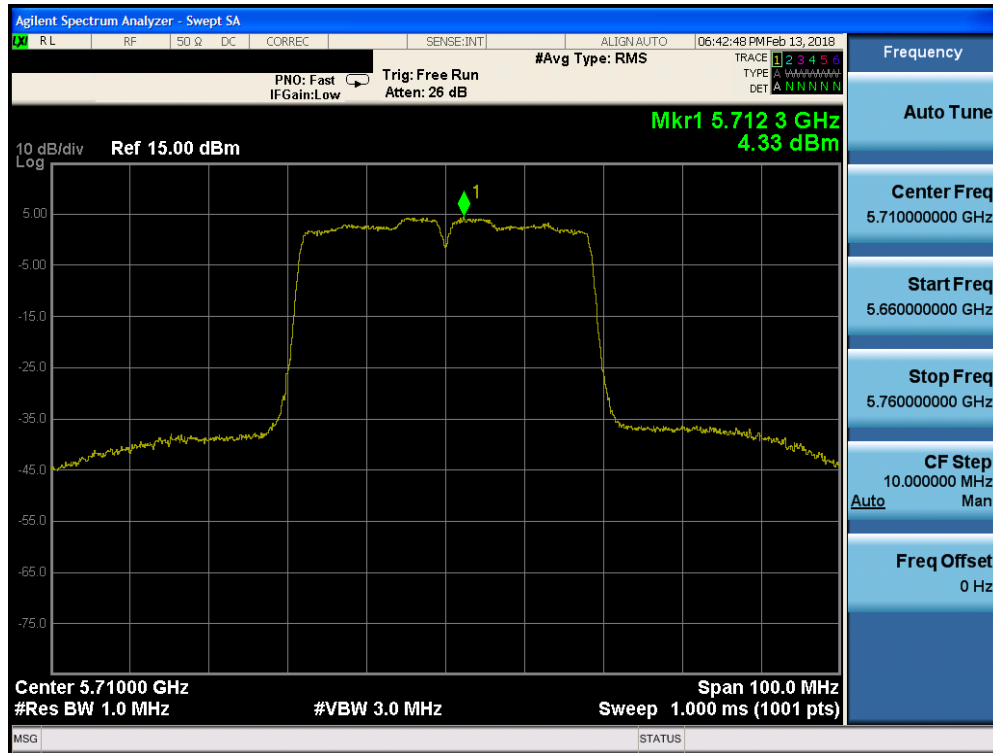


Plot 7-255. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 126)

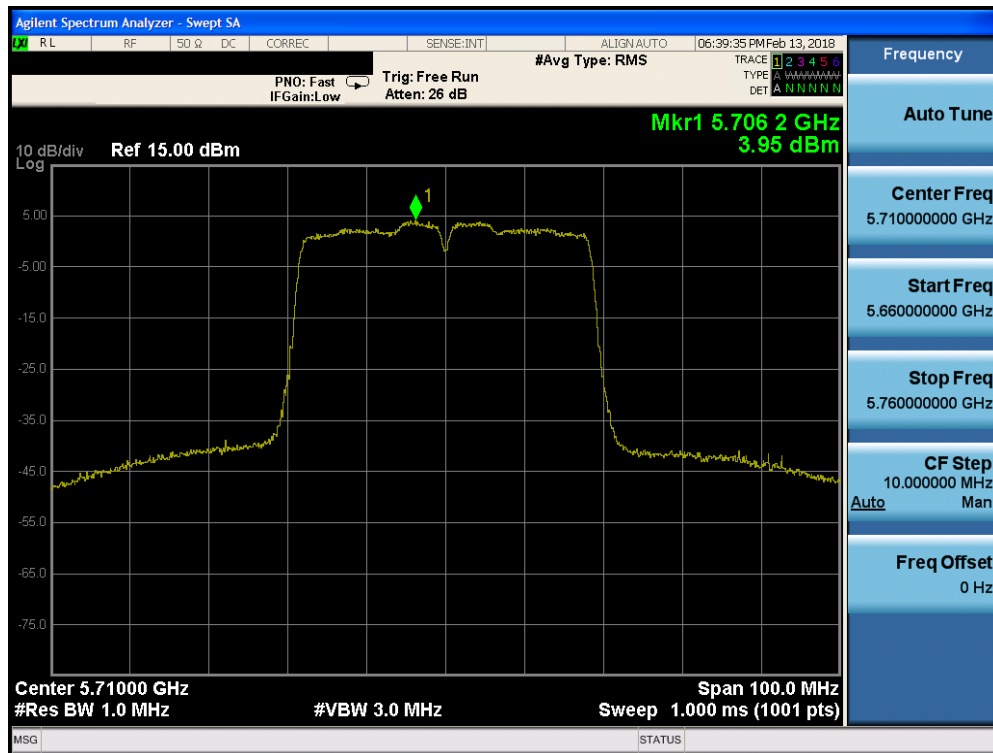


Plot 7-256. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 126)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 168 of 259                 |

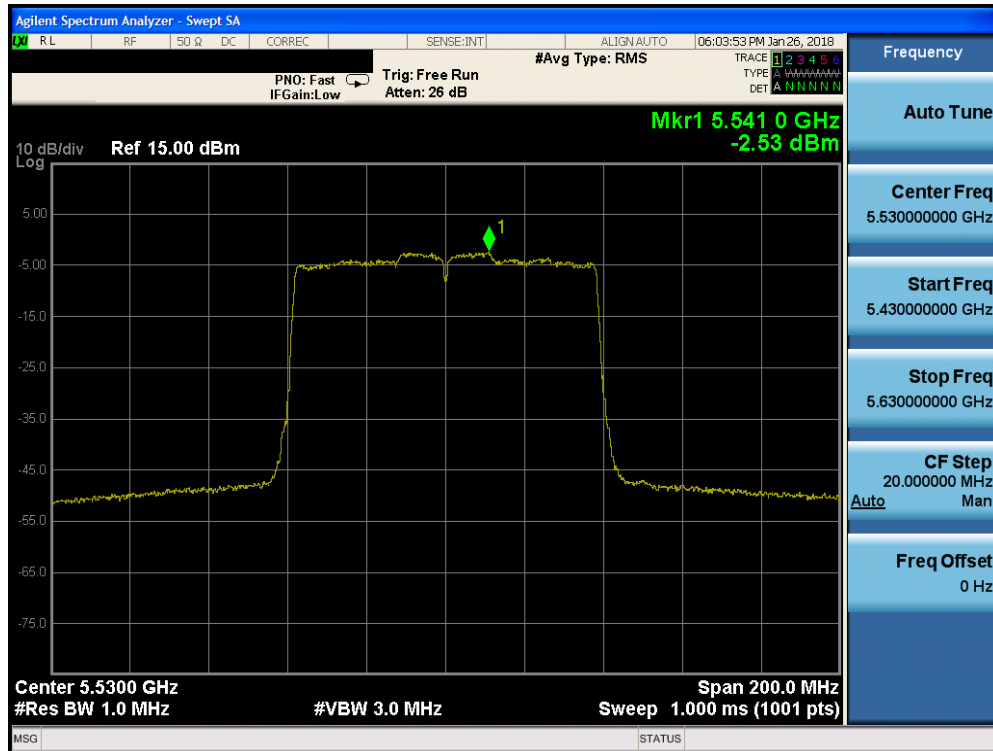


Plot 7-257. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

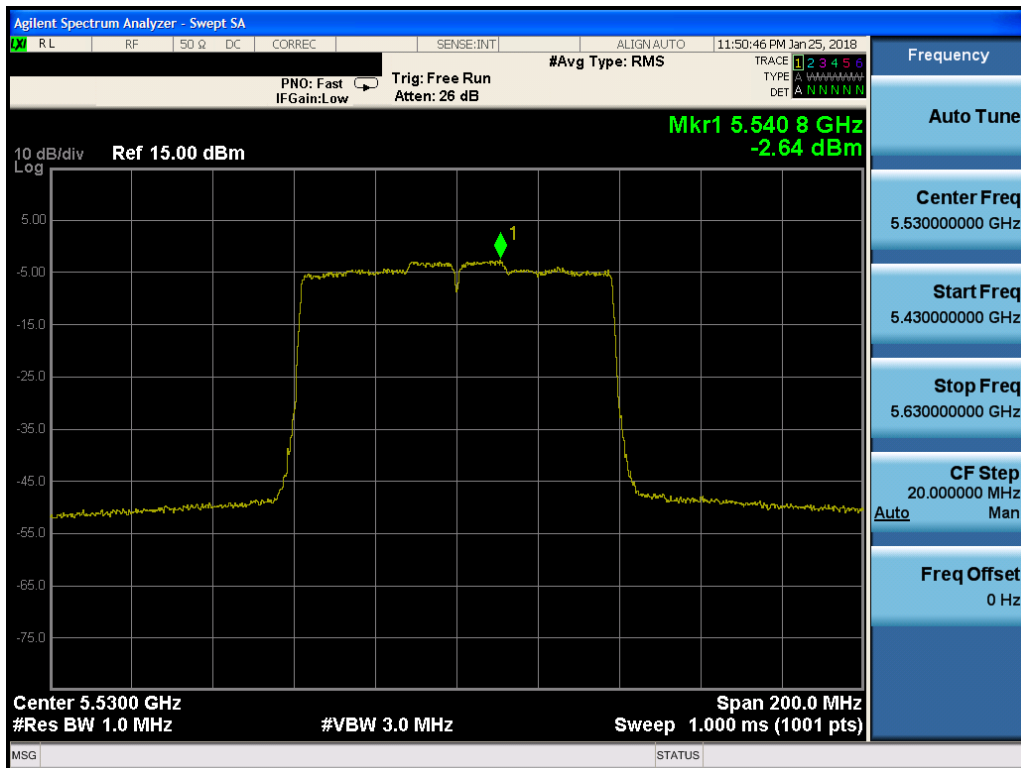


Plot 7-258. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 169 of 259                 |

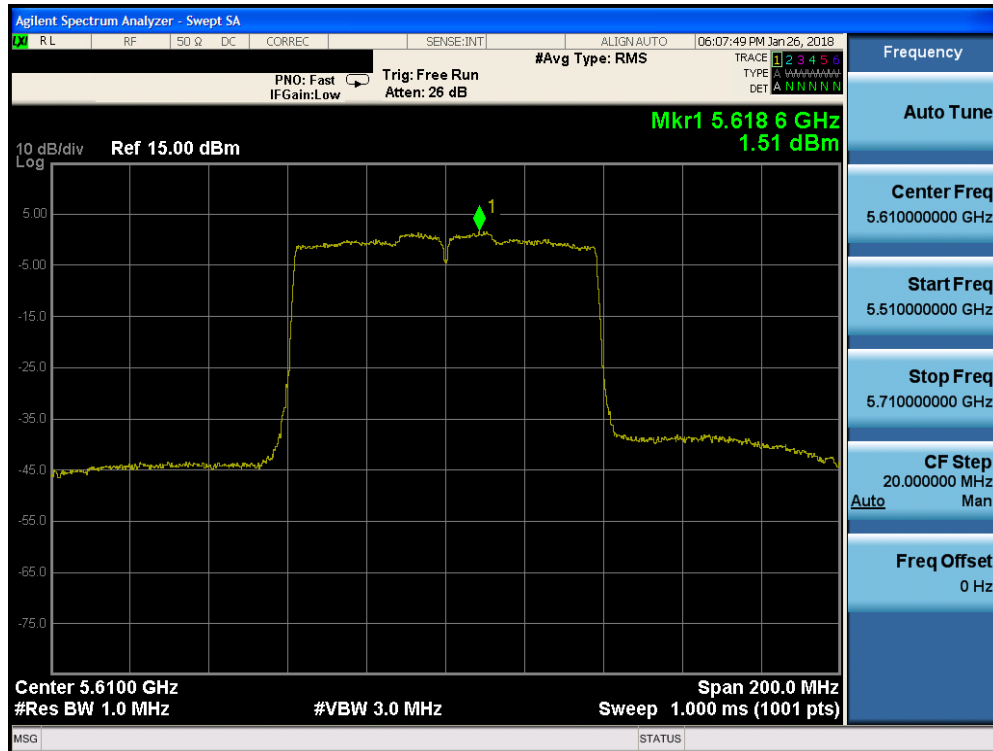


Plot 7-259. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

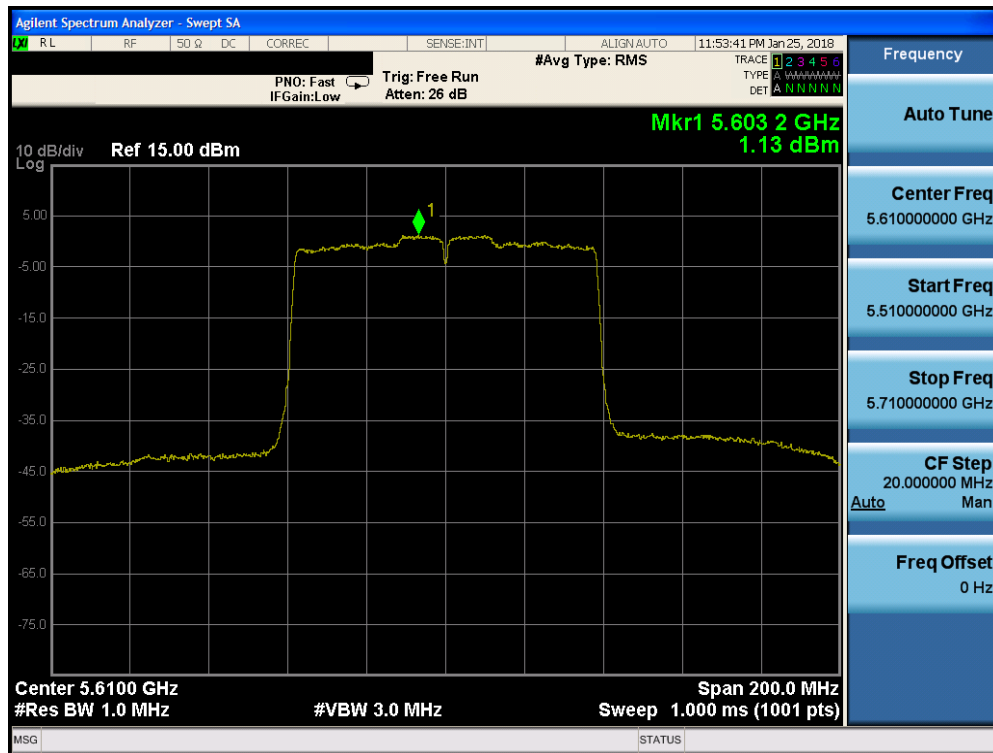


Plot 7-260. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                | EUT Type:<br>Tablet Device | Page 170 of 259                 |

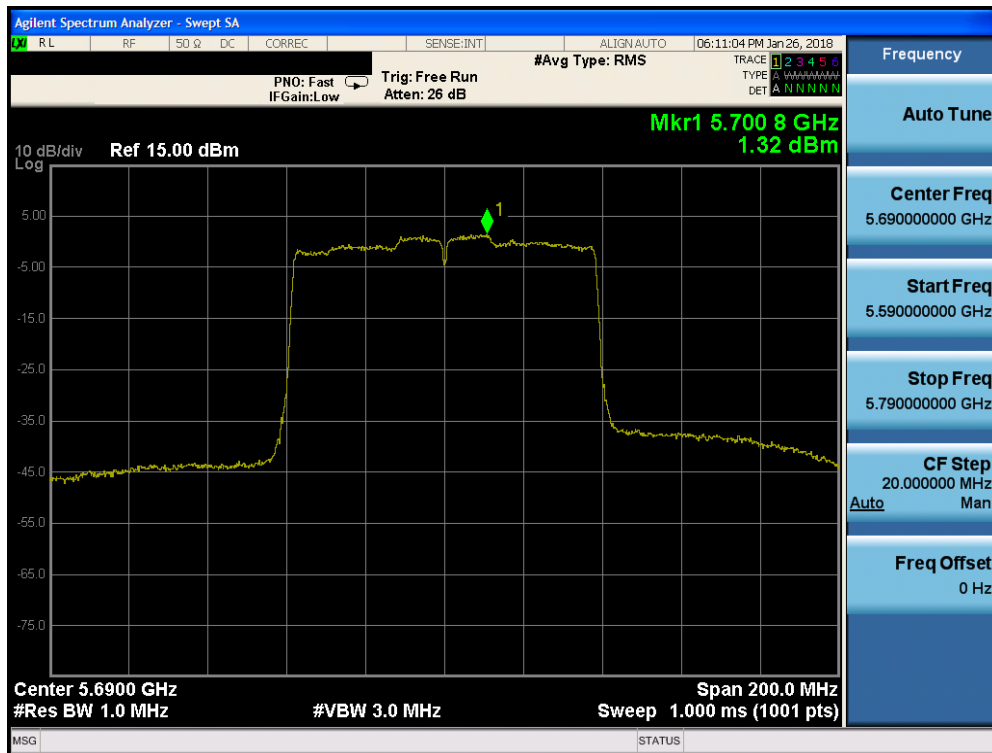


Plot 7-261. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

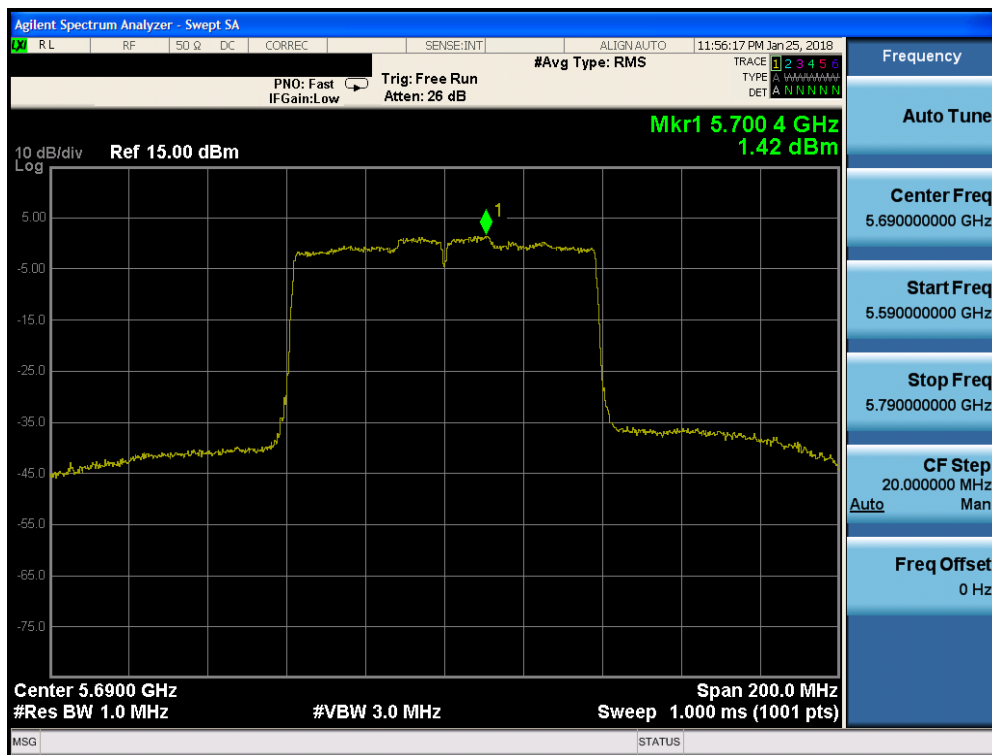


Plot 7-262. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 171 of 259                 |



Plot 7-263. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)



Plot 7-264. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

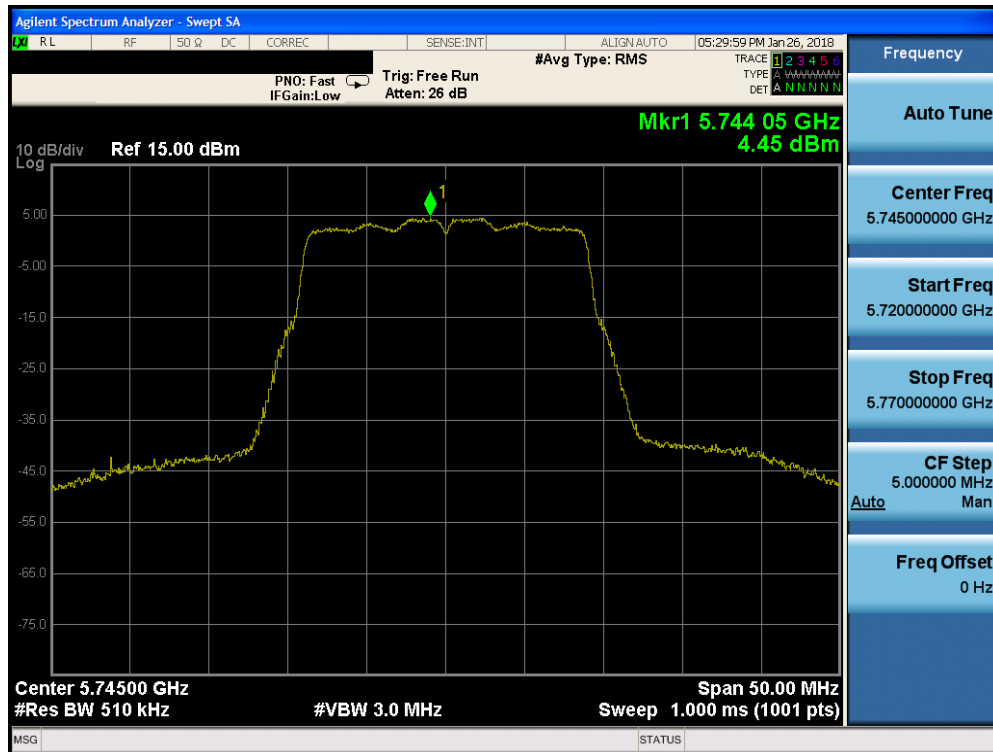
|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 172 of 259                 |

## Summed MIMO Power Spectral Density Measurements

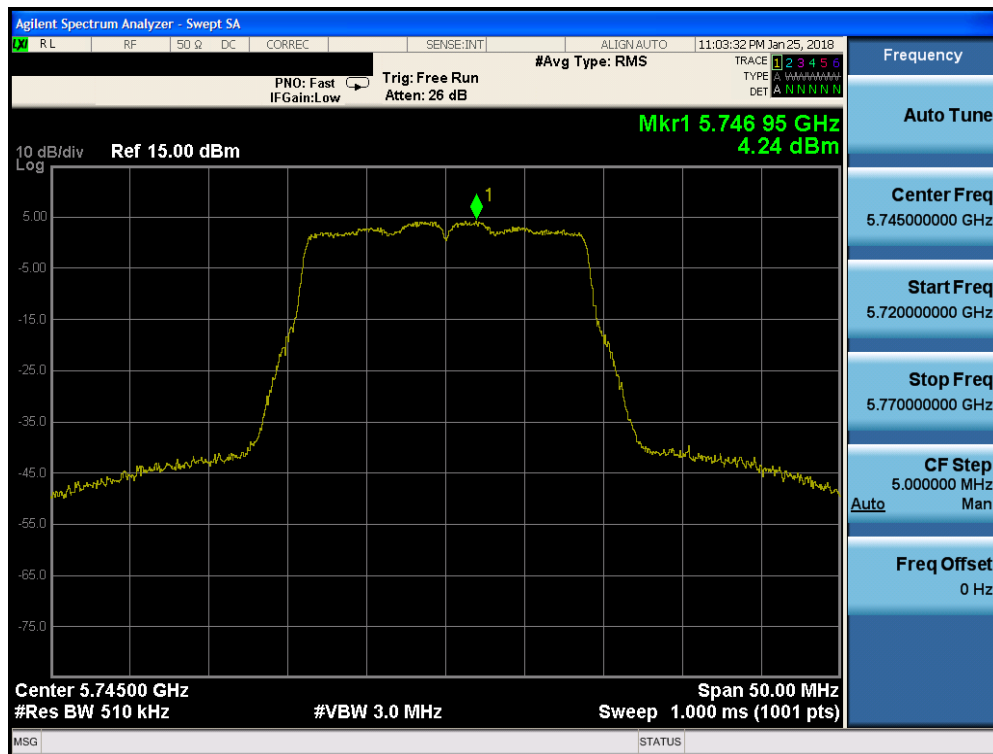
|        | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps] | Antenn-1 Power Density [dBm] | Antenn-2 Power Density [dBm] | Summed MIMO Power Density [dBm] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|------------------|------------------------------|------------------------------|---------------------------------|--------------------------------------------|-------------|
| Band 3 | 5745            | 149         | n (20MHz)   | 6.5/7.2 (MCS0)   | 4.45                         | 4.24                         | 7.36                            | 30.0                                       | -22.64      |
|        | 5785            | 157         | n (20MHz)   | 6.5/7.2 (MCS0)   | 4.25                         | 3.95                         | 7.11                            | 30.0                                       | -22.89      |
|        | 5825            | 165         | n (20MHz)   | 6.5/7.2 (MCS0)   | 4.09                         | 4.02                         | 7.07                            | 30.0                                       | -22.93      |
|        | 5755            | 151         | n (40MHz)   | 13.5/15 (MCS0)   | 1.41                         | 0.82                         | 4.14                            | 30.0                                       | -25.86      |
|        | 5795            | 159         | n (40MHz)   | 13.5/15 (MCS0)   | 1.25                         | 0.25                         | 3.79                            | 30.0                                       | -26.21      |
|        | 5775            | 155         | ac (80MHz)  | 29.3/32.5 (MCS0) | 0.64                         | 0.21                         | 3.44                            | 30.0                                       | -26.56      |

**Table 7-34. Band 3 MIMO Conducted Power Spectral Density Measurements**

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 173 of 259                 |

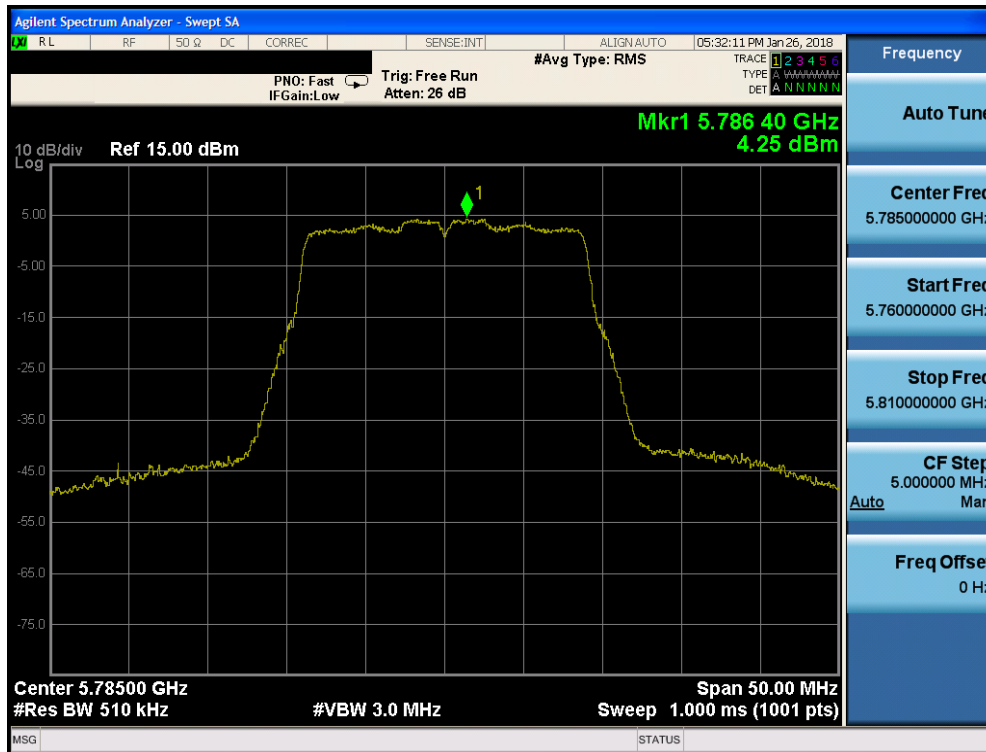


Plot 7-265. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

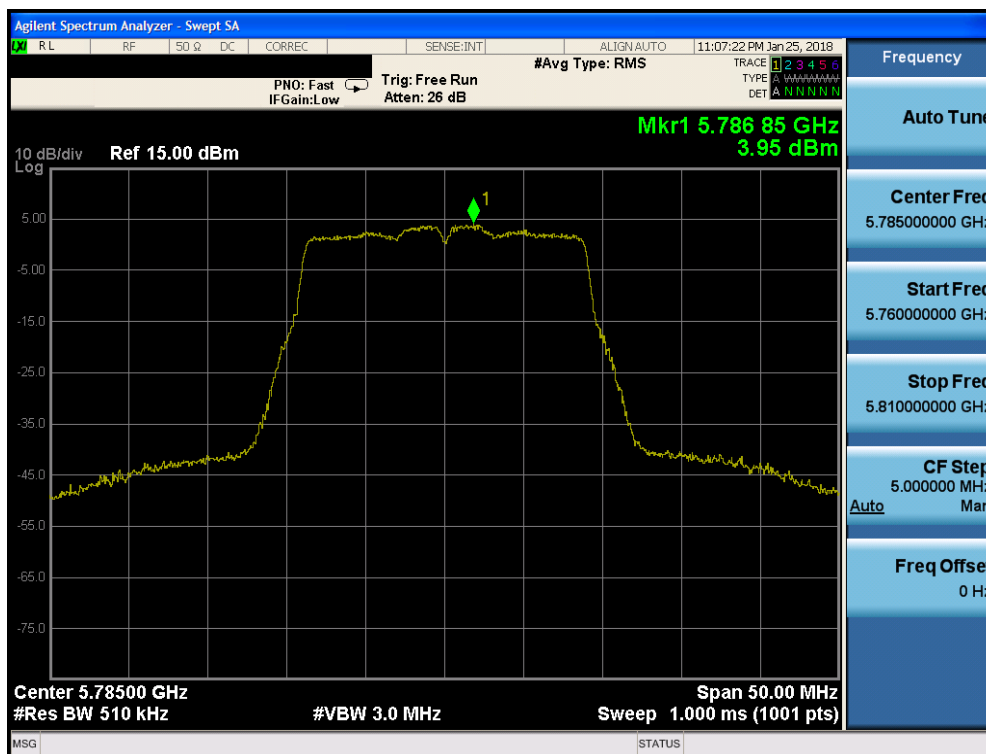


Plot 7-266. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 174 of 259                 |

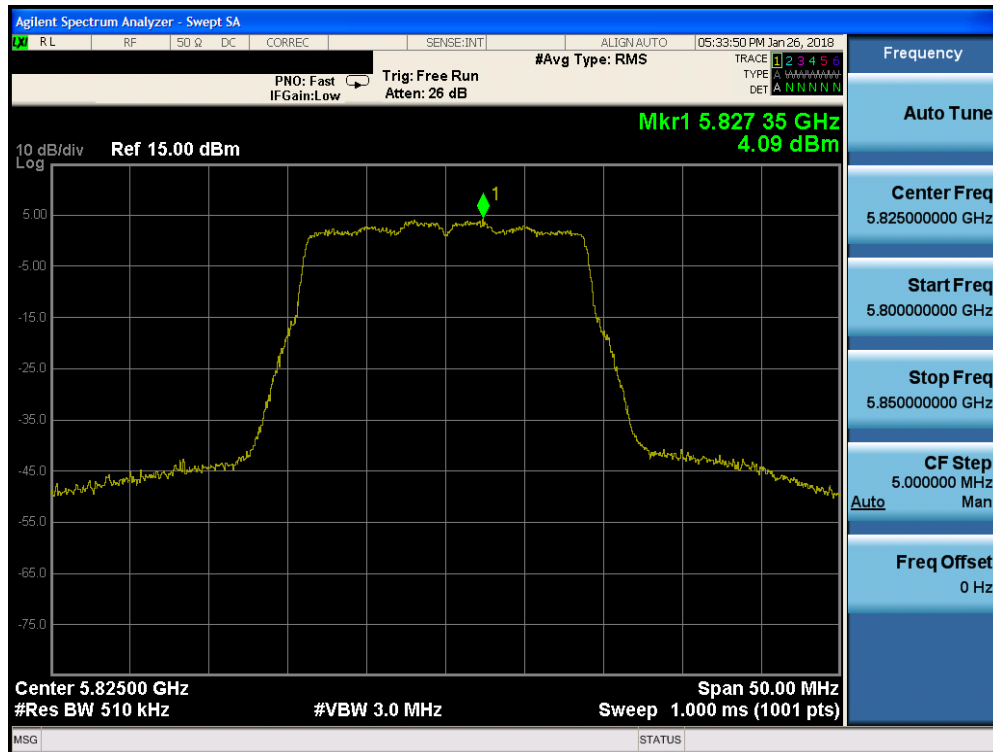


Plot 7-267. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

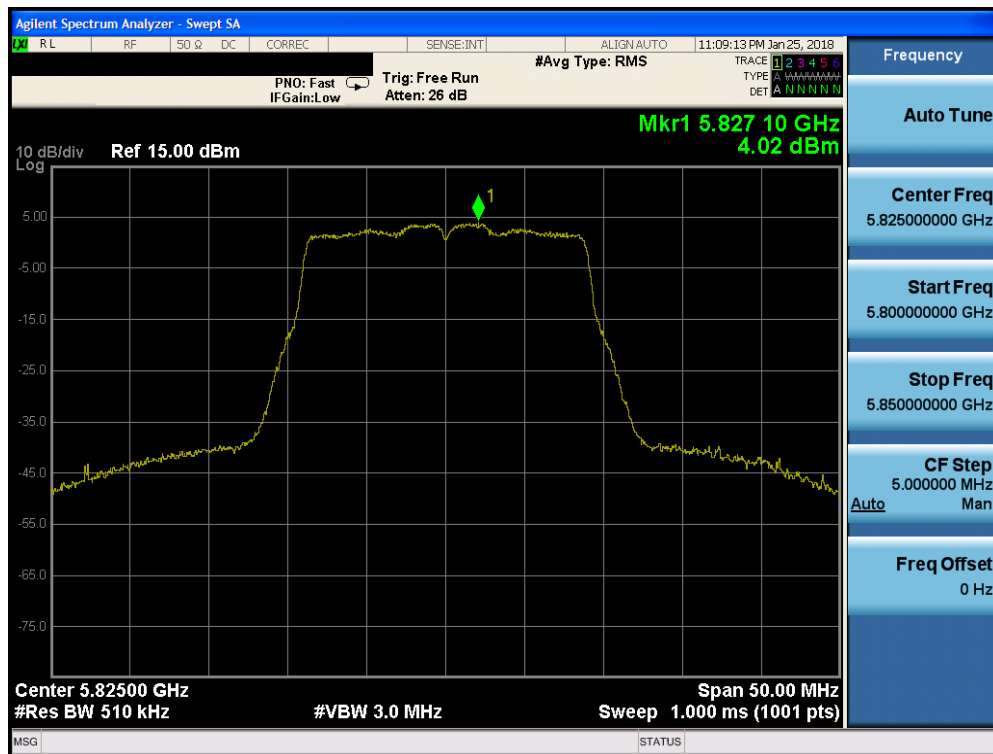


Plot 7-268. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 175 of 259                 |

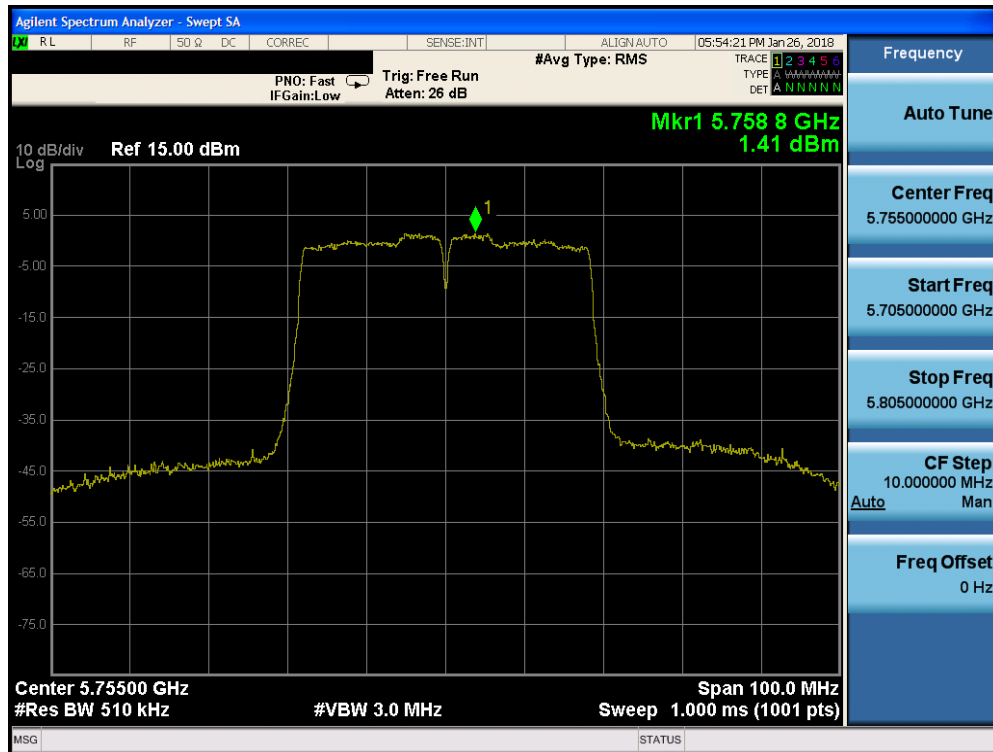


Plot 7-269. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

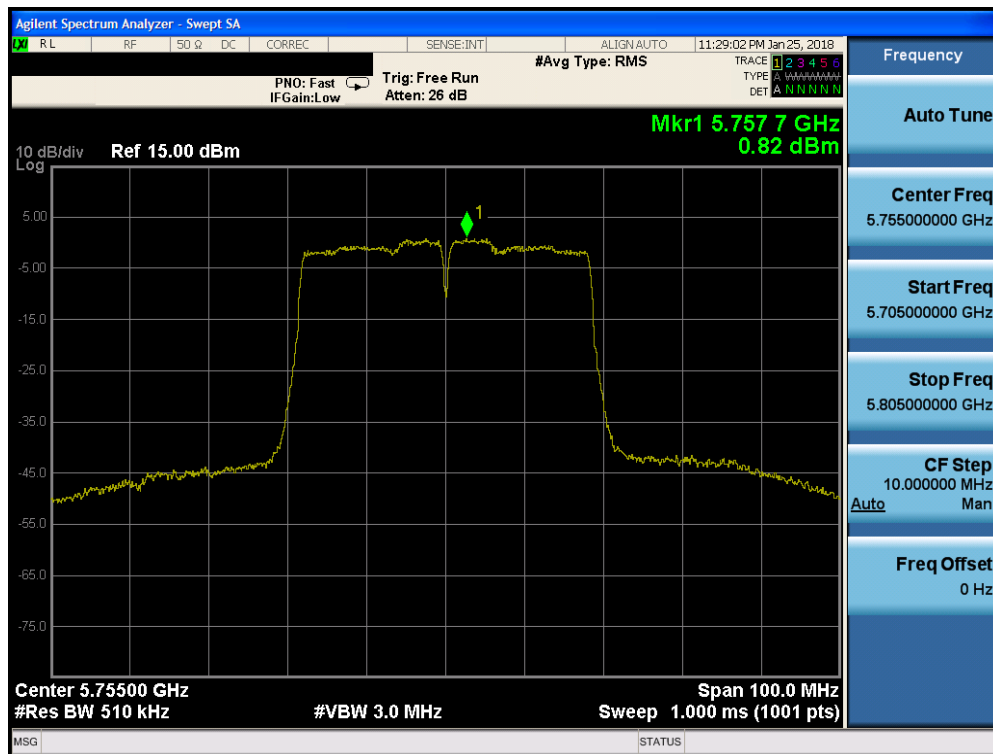


Plot 7-270. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 176 of 259                 |

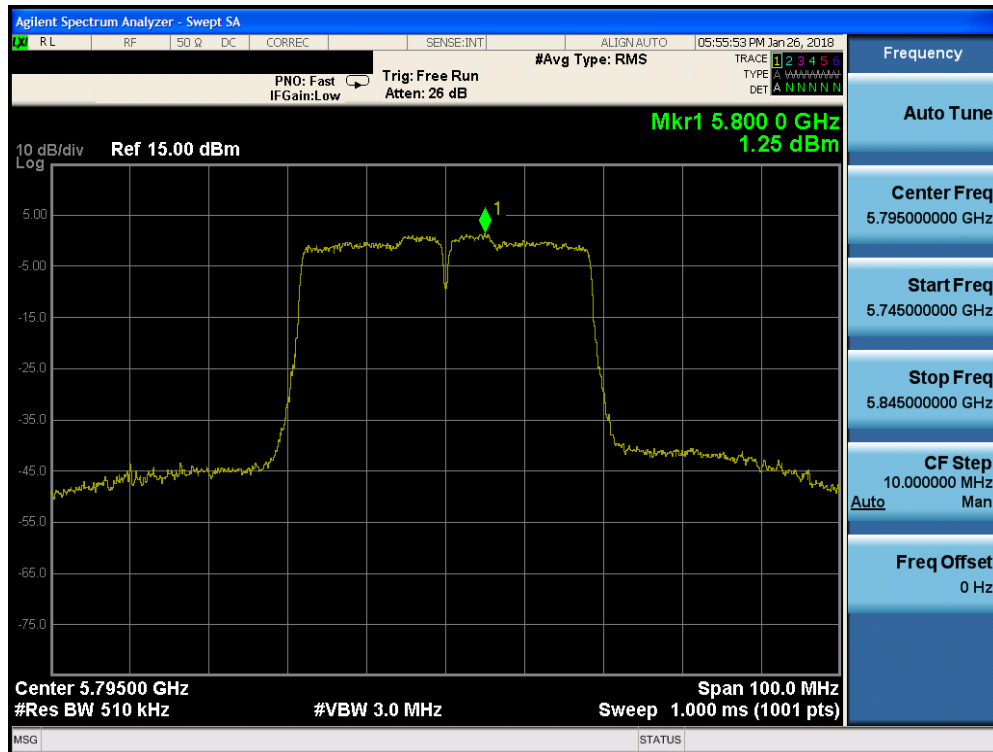


Plot 7-271. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

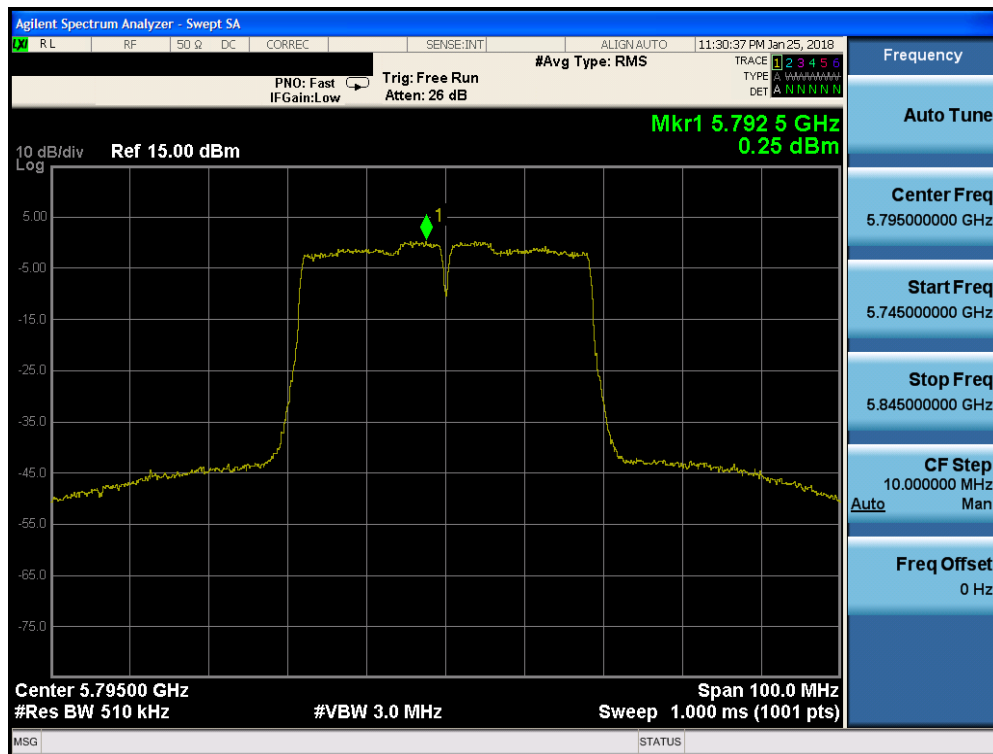


Plot 7-272. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018               | EUT Type:<br>Tablet Device | Page 177 of 259                 |

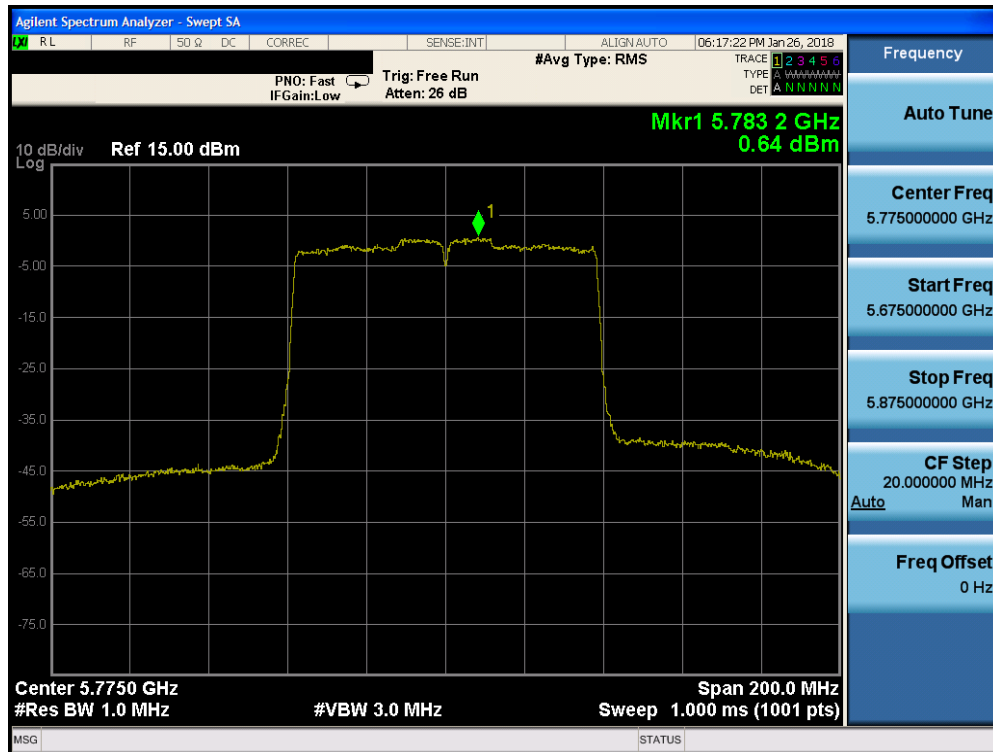


Plot 7-273. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

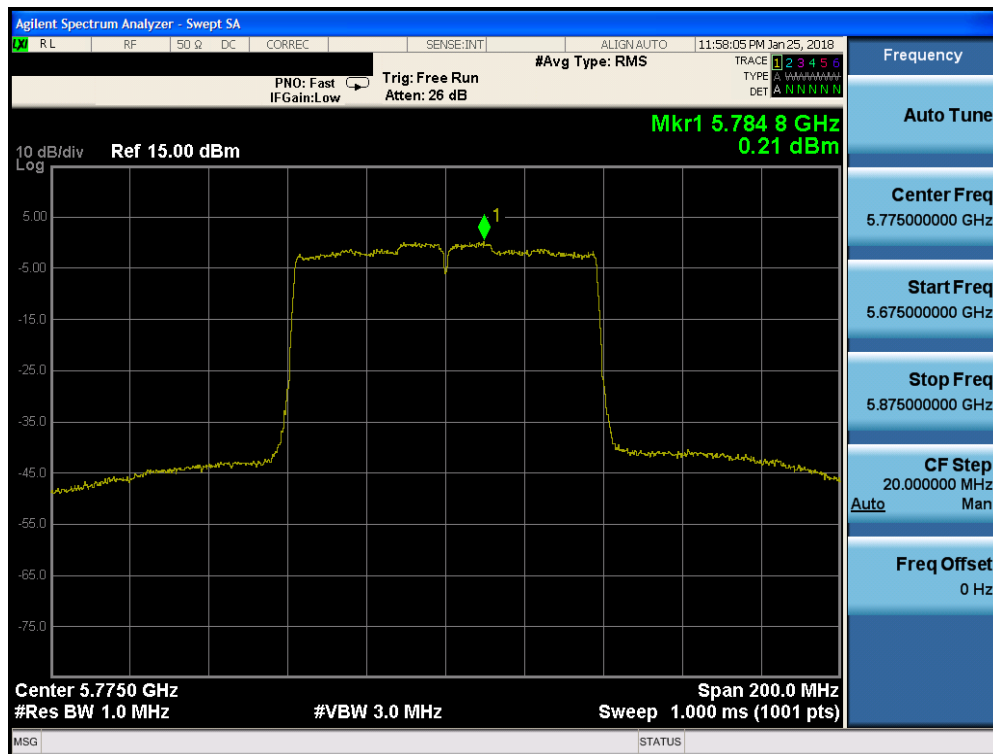


Plot 7-274. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 178 of 259                 |



Plot 7-275. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)



Plot 7-276. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-06.BCG | Test Dates:<br>10/31-2/15/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 179 of 259                 |

**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 MIMO Calculation:**

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted power spectral density was measured to be 7.60 dBm for Antenna-1 and 9.65 dBm for Antenna-2.

$$\text{Antenna 1} + \text{Antenna 2} = \text{MIMO}$$

$$(4.86 \text{ dBm} + 4.57 \text{ dBm}) = (3.06 \text{ mW} + 2.86 \text{ mW}) = 5.92 \text{ mW} = 7.72 \text{ dBm}$$

**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 4.22 dBm with directional gain of 4.48 dBi.

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

$$4.22 \text{ dBm} + 4.48 \text{ dBi} = 8.70 \text{ dBm}$$

|                                                |                                                                                                                                   |                                   |                                        |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA1954                               |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C1710060006-06.BCG | <b>Test Dates:</b><br>10/31-2/15/2018                                                                                             | <b>EUT Type:</b><br>Tablet Device | Page 180 of 259                        |