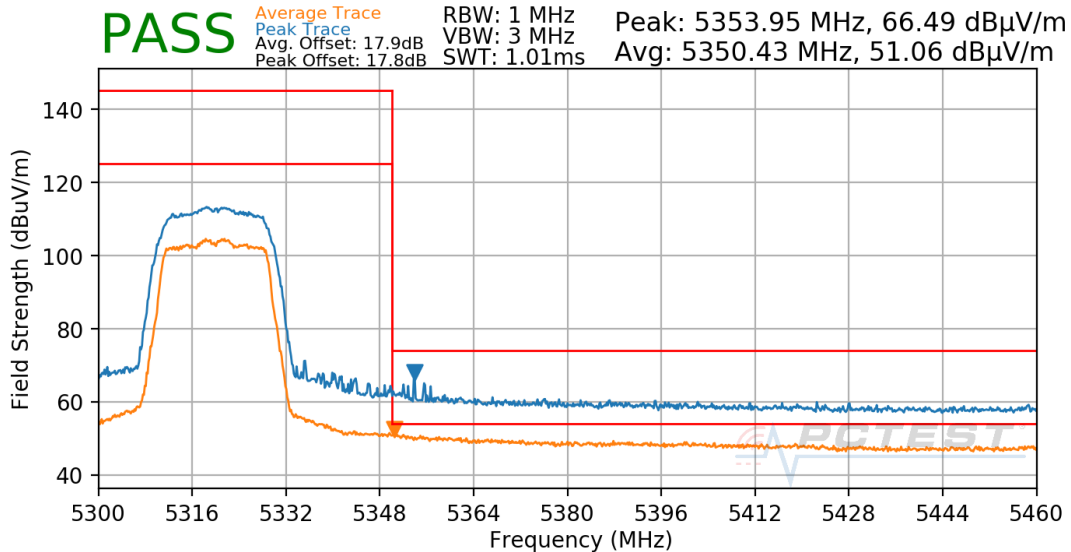
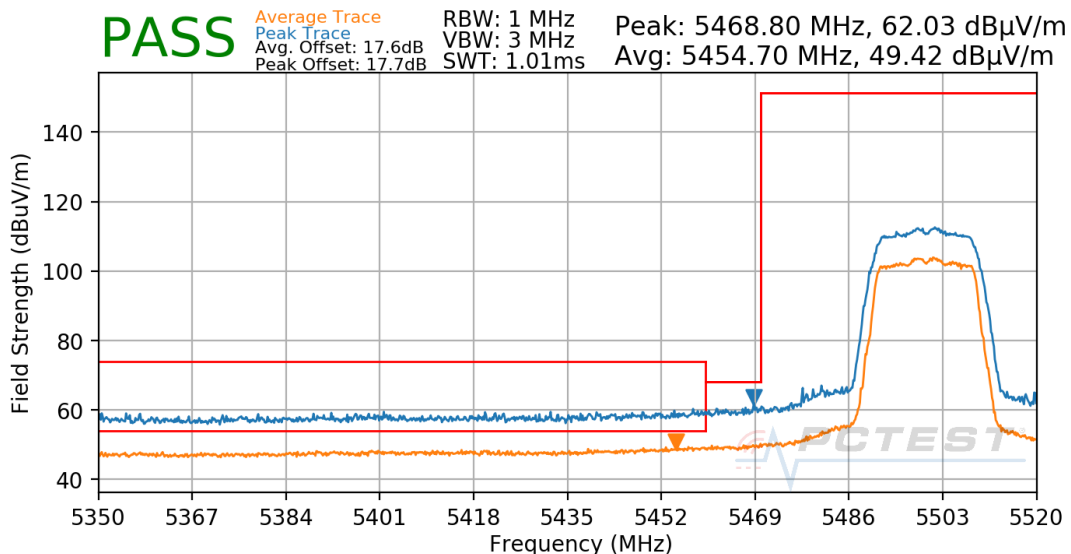


Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5320MHz  
Channel: 64



Plot 7-239. Radiated Upper Band Edge Plot SISO CORE 1 (UNII Band 2A)

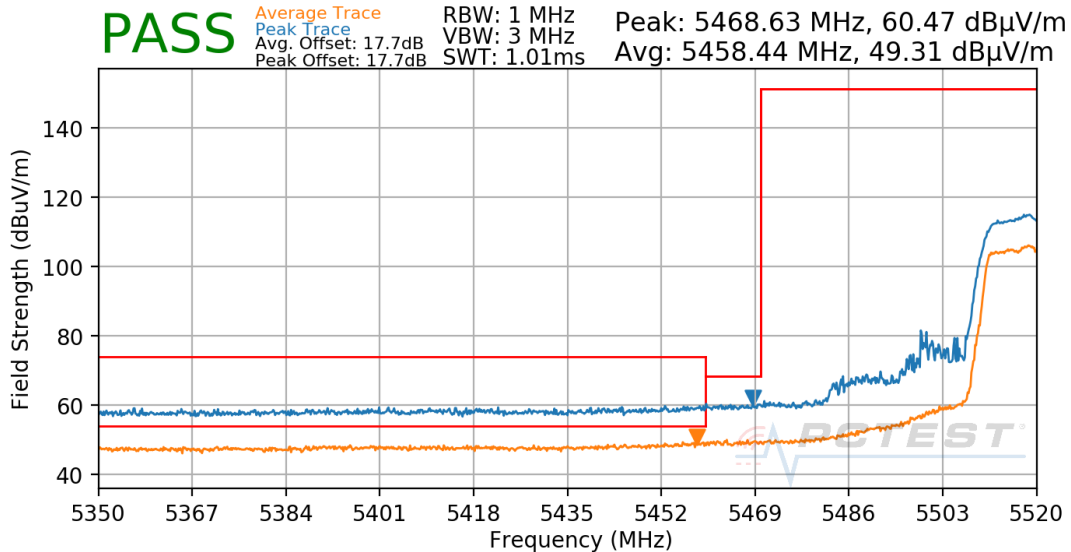
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5500MHz  
Channel: 100



Plot 7-240. Radiated Lower Band Edge Plot SISO CORE 1 (UNII Band 2C)

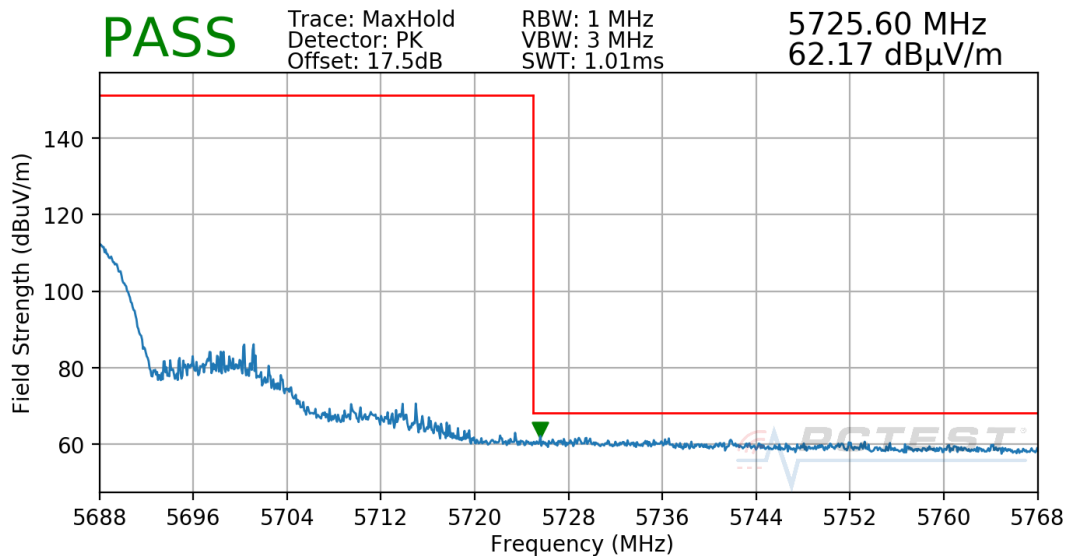
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 175 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5520MHz  
Channel: 104



Plot 7-241. Radiated Lower Band Edge Plot SISO CORE 1 (UNII Band 2C)

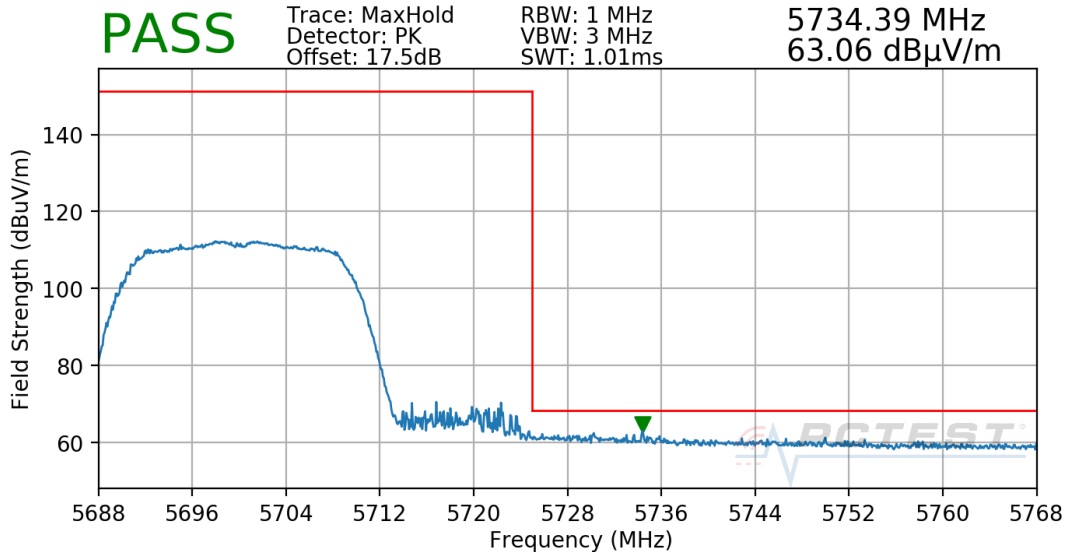
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5680MHz  
Channel: 136



Plot 7-242. Radiated Upper Band Edge Plot SISO CORE 1 (Peak - UNII Band 2C)

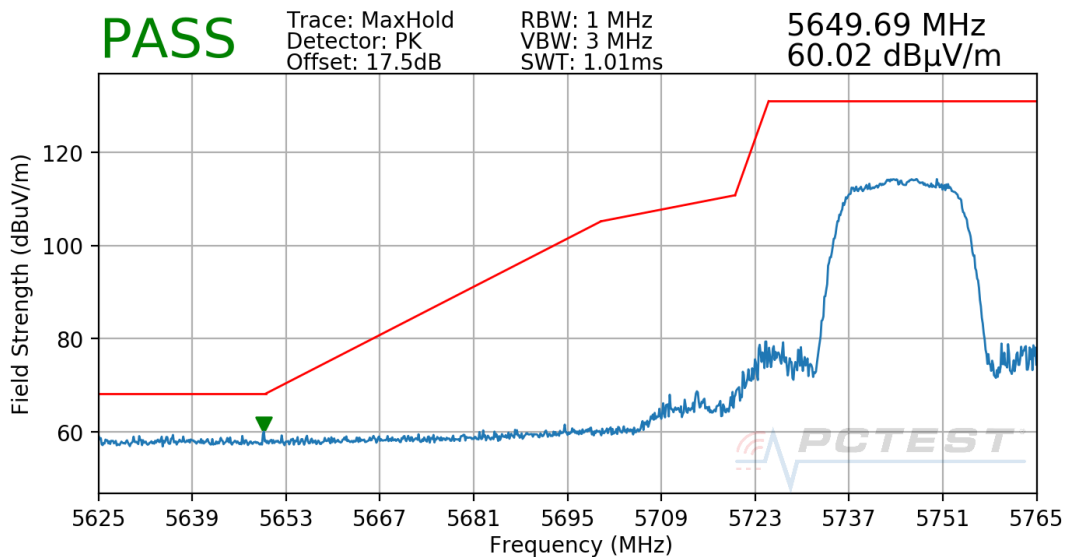
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 176 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5700MHz  
Channel: 140



**Plot 7-243. Radiated Upper Band Edge Plot SISO CORE 1 (Peak - UNII Band 2C)**

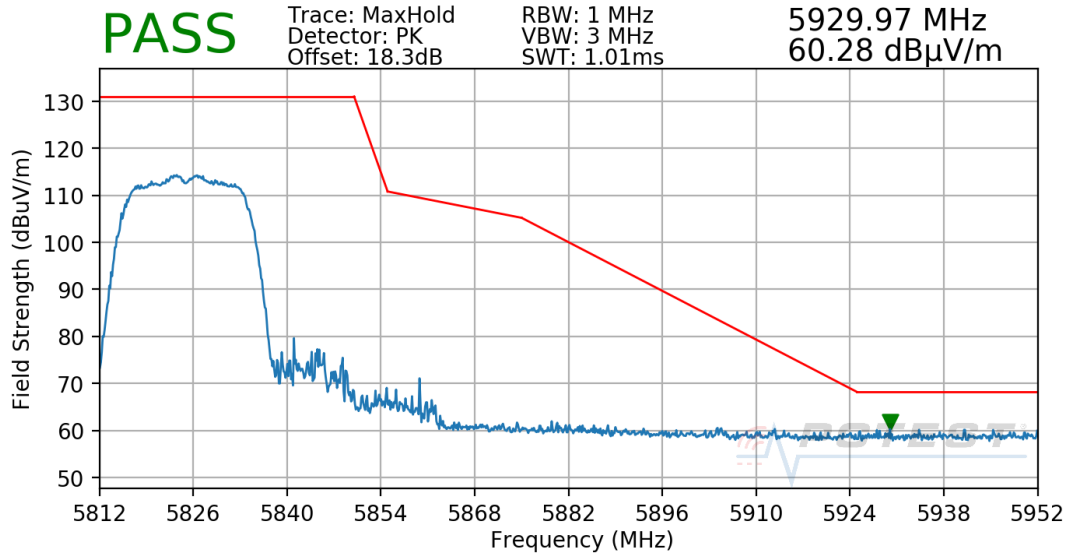
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5745MHz  
Channel: 149



**Plot 7-244. Radiated Lower Band Edge Plot SISO CORE 1 (Peak - UNII Band 3)**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 177 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5825MHz  
Channel: 165



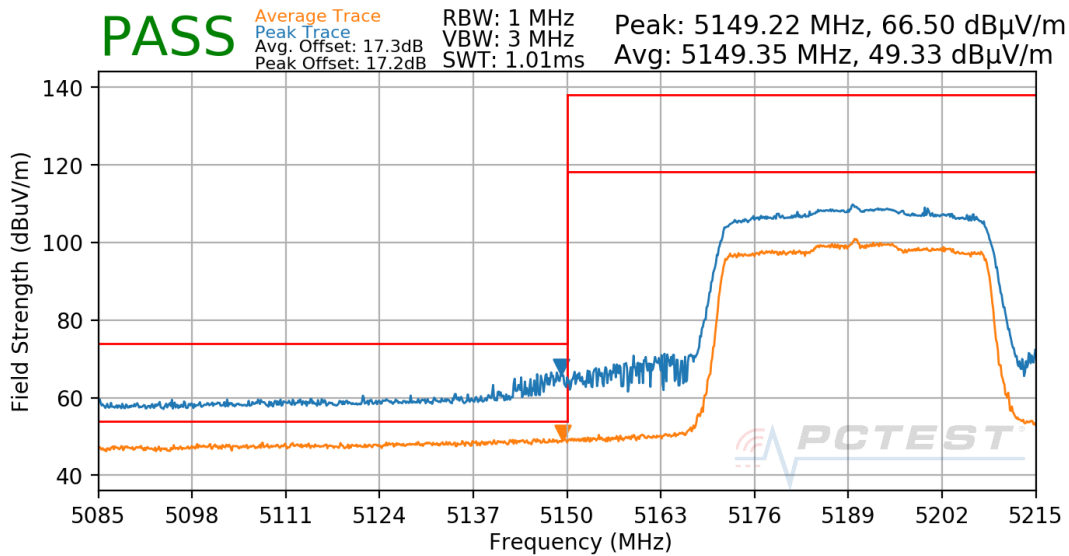
**Plot 7-245. Radiated Upper Band Edge Plot SISO CORE 1 (Peak – UNII Band 3)**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 178 of 210                 |

## 7.6.9 SISO Core-1 Radiated Band Edge Measurements (40MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

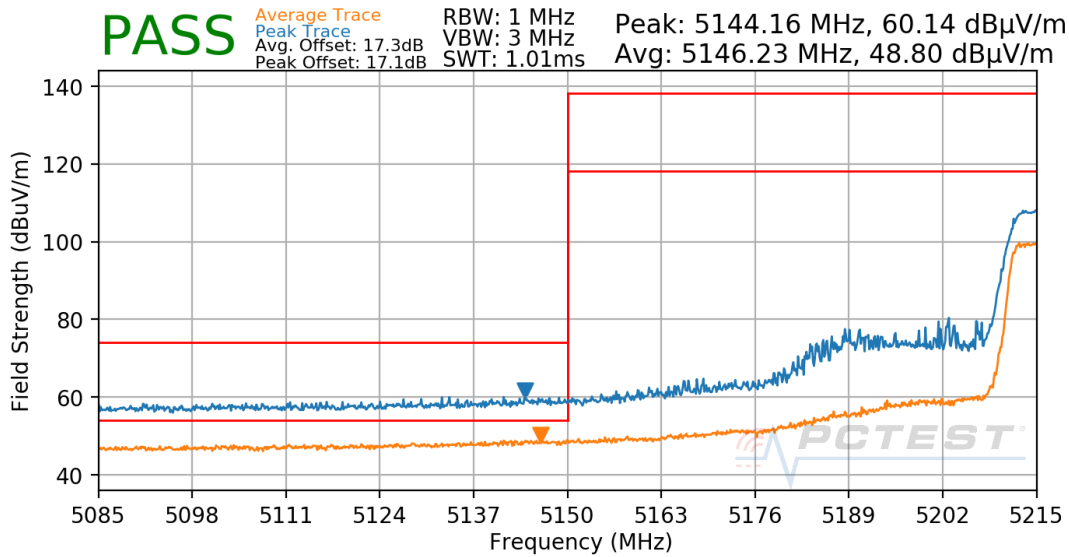
|                           |          |
|---------------------------|----------|
| Worst Case Mode:          | 802.11n  |
| Worst Case Transfer Rate: | MSC0     |
| Distance of Measurements: | 3 Meters |
| Operating Frequency:      | 5190MHz  |
| Channel:                  | 38       |



Plot 7-246. Radiated Lower Band Edge Plot SISO CORE 1 (UNII Band 1)

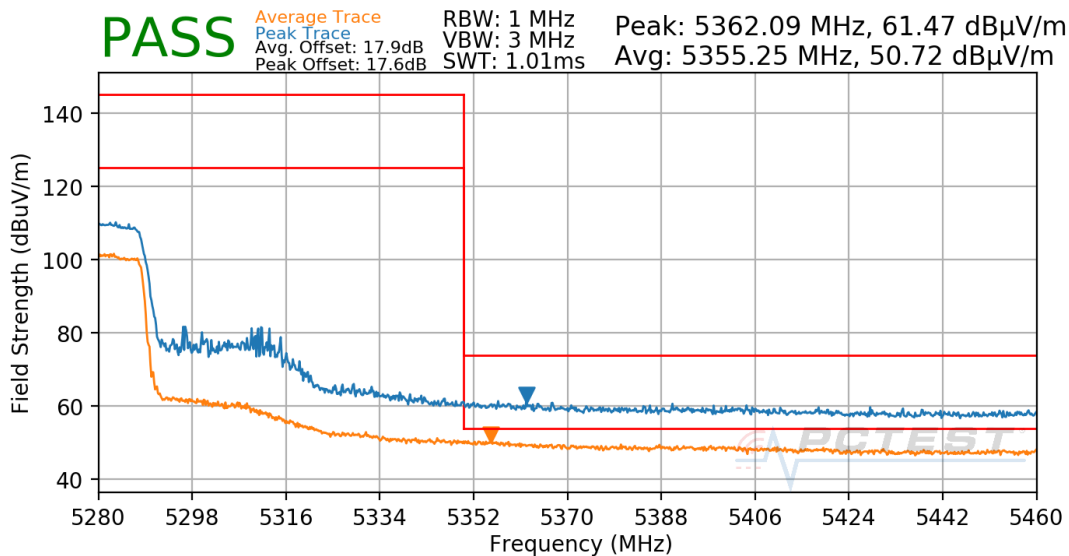
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 179 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5230MHz  
Channel: 46



**Plot 7-247. Radiated Lower Band Edge Plot SISO CORE 1 (UNII Band 1)**

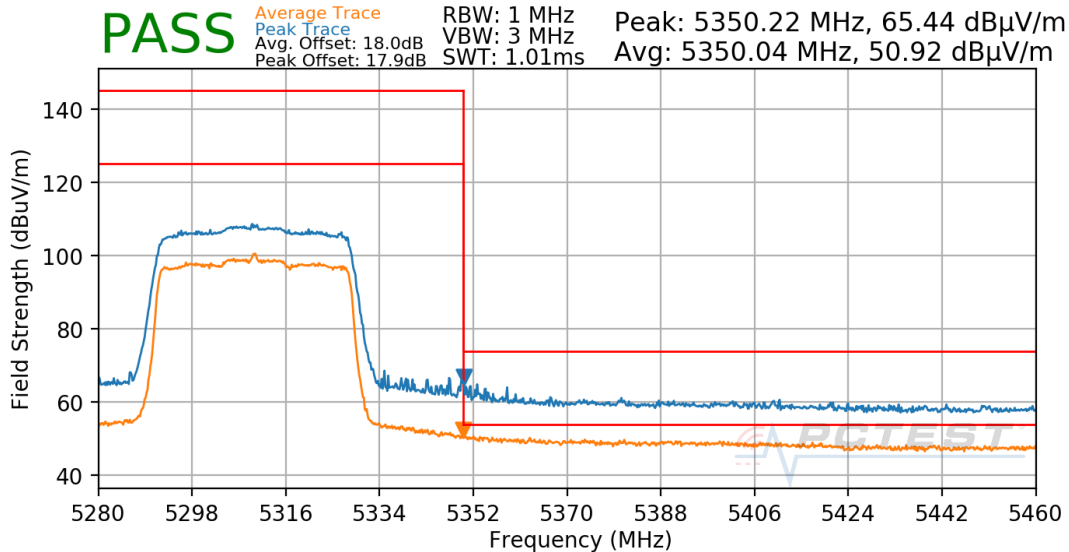
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5270MHz  
Channel: 54



**Plot 7-248. Radiated Upper Band Edge Plot SISO CORE 1 (UNII Band 2A)**

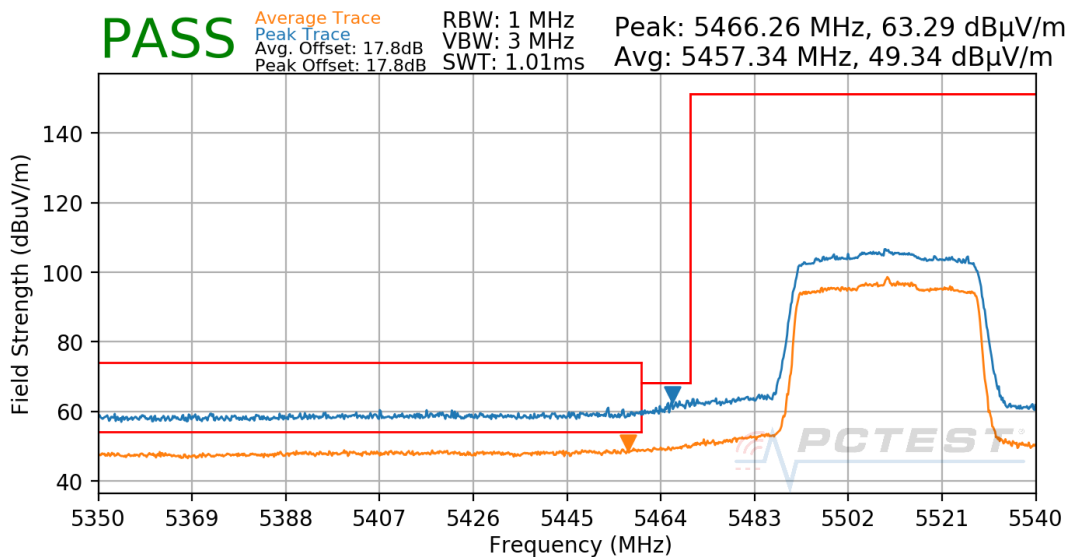
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 180 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5310MHz  
Channel: 62



**Plot 7-249. Radiated Upper Band Edge Plot SISO CORE 1 (UNII Band 2A)**

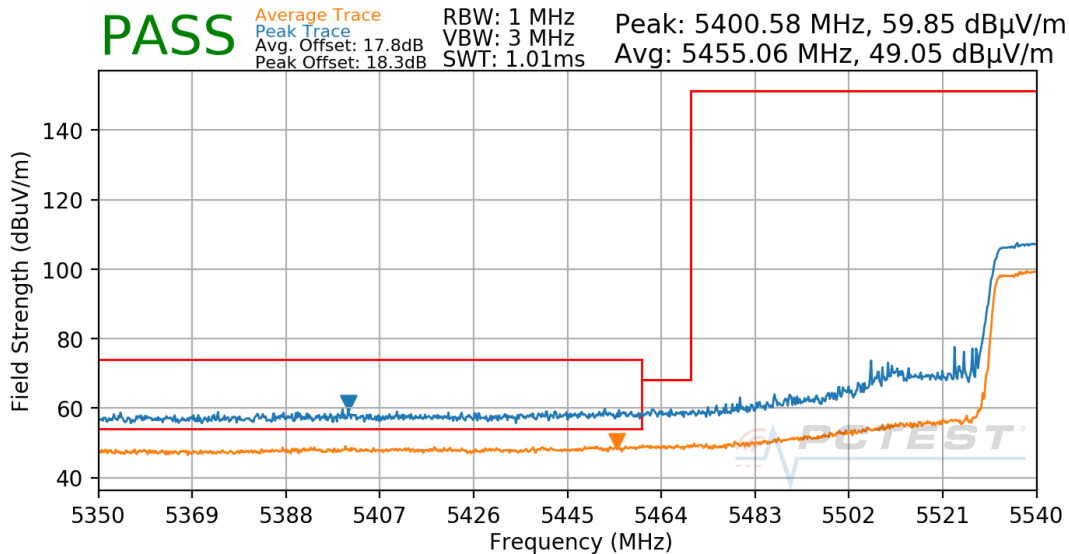
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5510MHz  
Channel: 102



**Plot 7-250. Radiated Lower Band Edge Plot SISO CORE 1 (UNII Band 2C)**

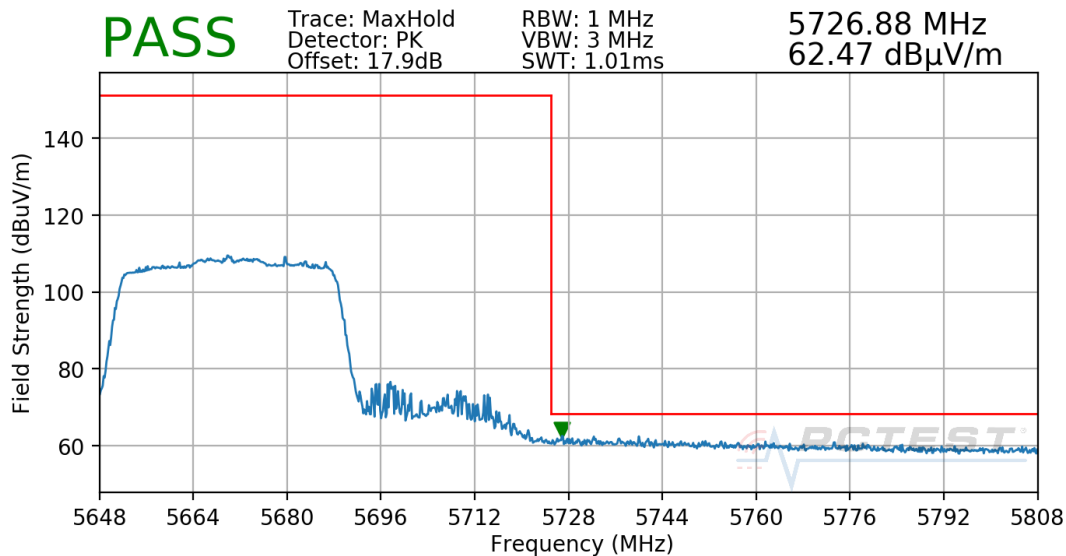
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 181 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5550MHz  
Channel: 110



**Plot 7-251. Radiated Lower Band Edge Plot SISO CORE 1 (UNII Band 2C)**

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5670MHz  
Channel: 134

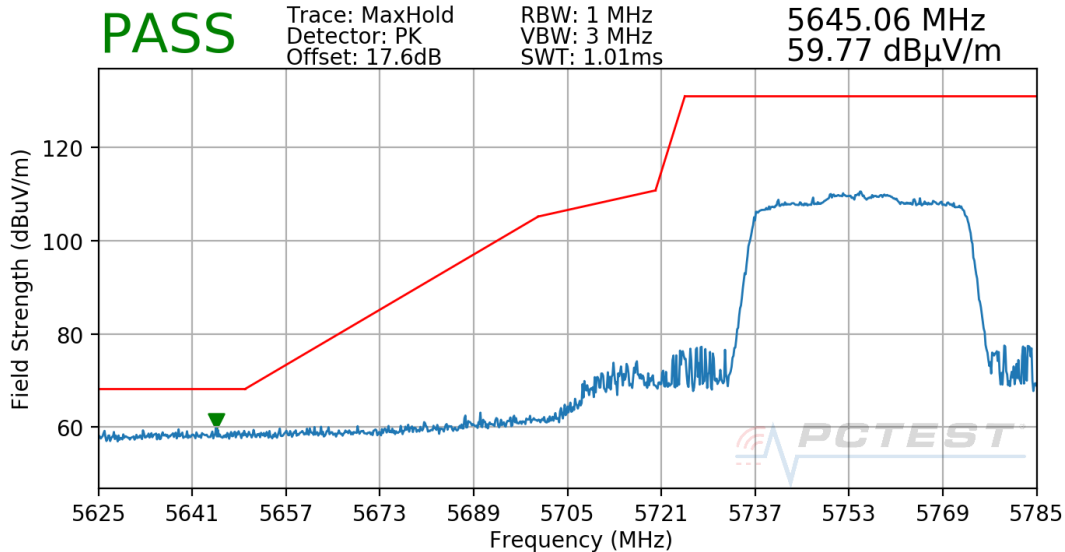


**Plot 7-252. Radiated Upper Band Edge Plot SISO CORE 1 (Peak - UNII Band 2C)**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 182 of 210                 |

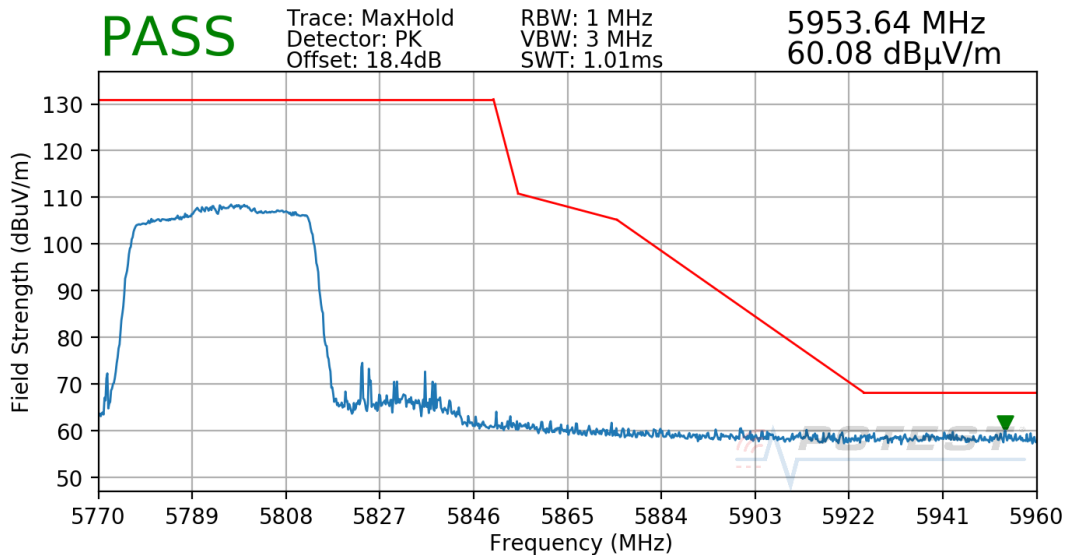


Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5755MHz  
Channel: 151



**Plot 7-253. Radiated Lower Band Edge Plot SISO CORE 1 (Peak - UNII Band 3)**

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5795MHz  
Channel: 159



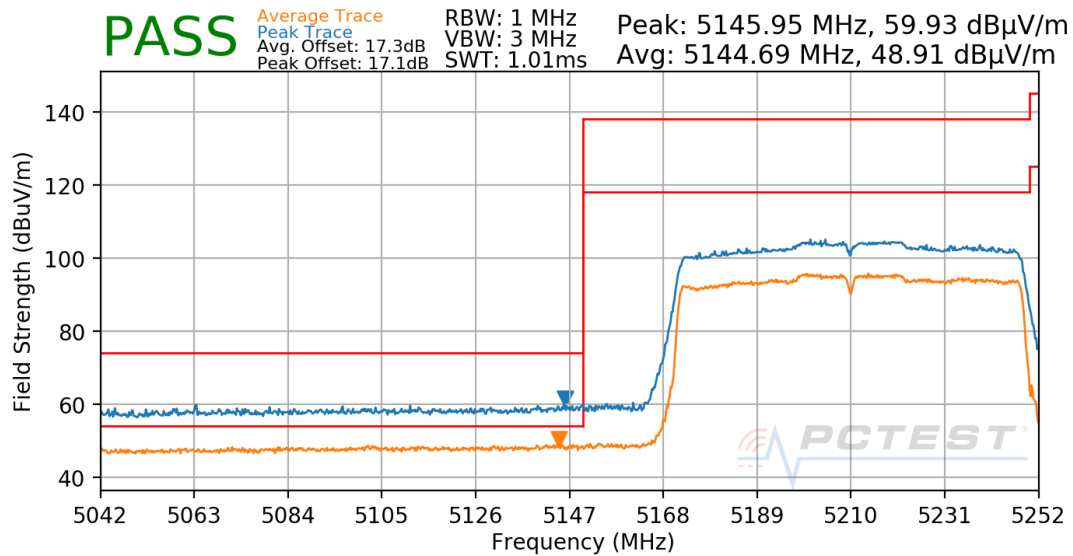
**Plot 7-254. Radiated Upper Band Edge Plot SISO CORE 1 (Peak - UNII Band 3)**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 183 of 210                 |

## 7.6.10 SISO Core-1 Radiated Band Edge Measurements (80MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

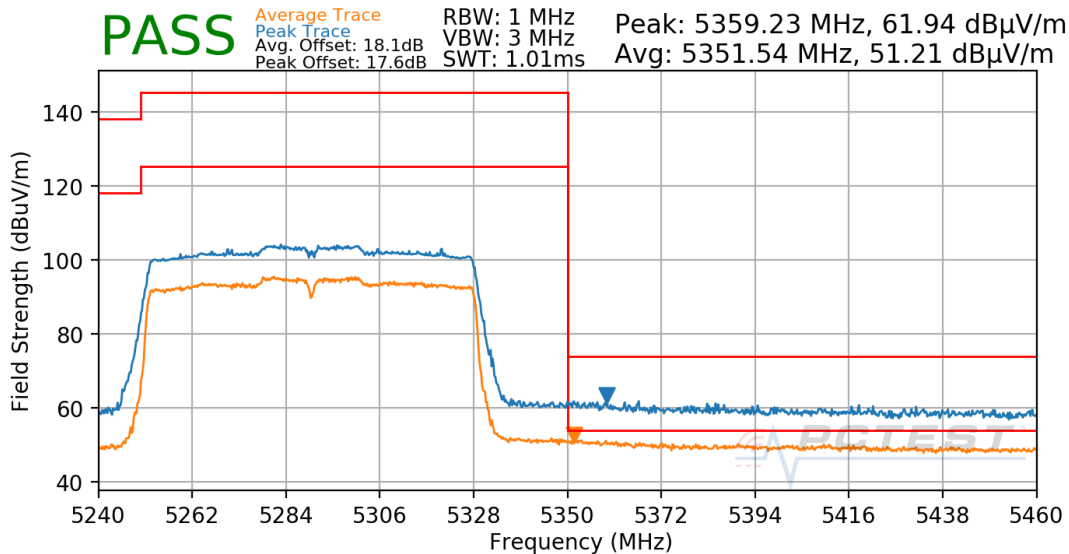
|                           |          |
|---------------------------|----------|
| Worst Case Mode:          | 802.11ac |
| Worst Case Transfer Rate: | MSC0     |
| Distance of Measurements: | 3 Meters |
| Operating Frequency:      | 5210MHz  |
| Channel:                  | 42       |



Plot 7-255. Radiated Lower Band Edge Plot SISO CORE 1 (UNII Band 1)

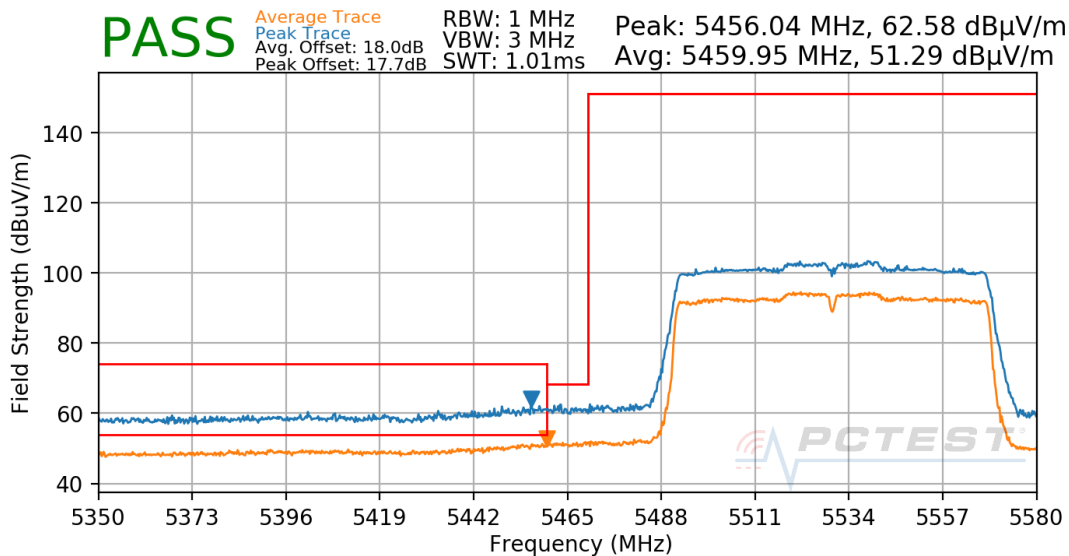
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 184 of 210                 |

Worst Case Mode: 802.11ac  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5290MHz  
Channel: 58



**Plot 7-256. Radiated Upper Band Edge Plot SISO CORE 1 (UNII Band 2A)**

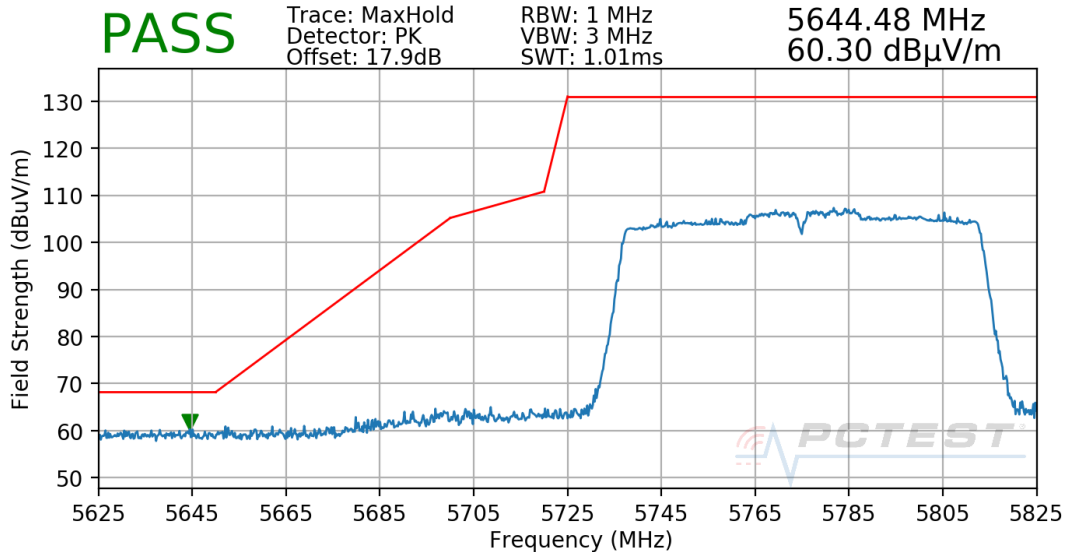
Worst Case Mode: 802.11ac  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5530MHz  
Channel: 106



**Plot 7-257. Radiated Lower Band Edge Plot SISO CORE 1 (UNII Band 2C)**

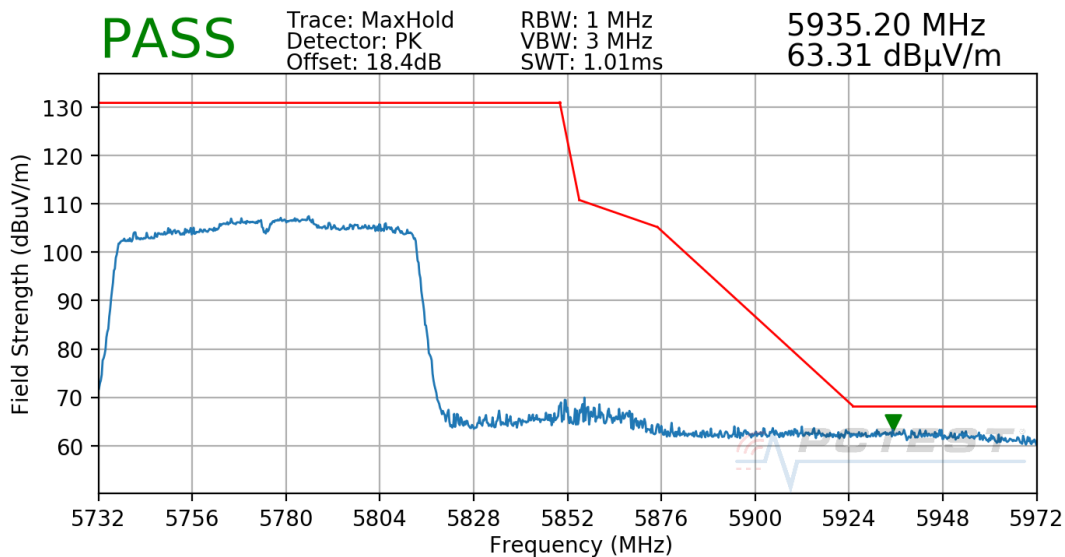
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 185 of 210                 |

Worst Case Mode: 802.11ac  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5775MHz  
Channel: 155



**Plot 7-258. Radiated Lower Band Edge Plot SISO CORE 1 (Peak – UNII Band 3)**

Worst Case Mode: 802.11ac  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5775MHz  
Channel: 155



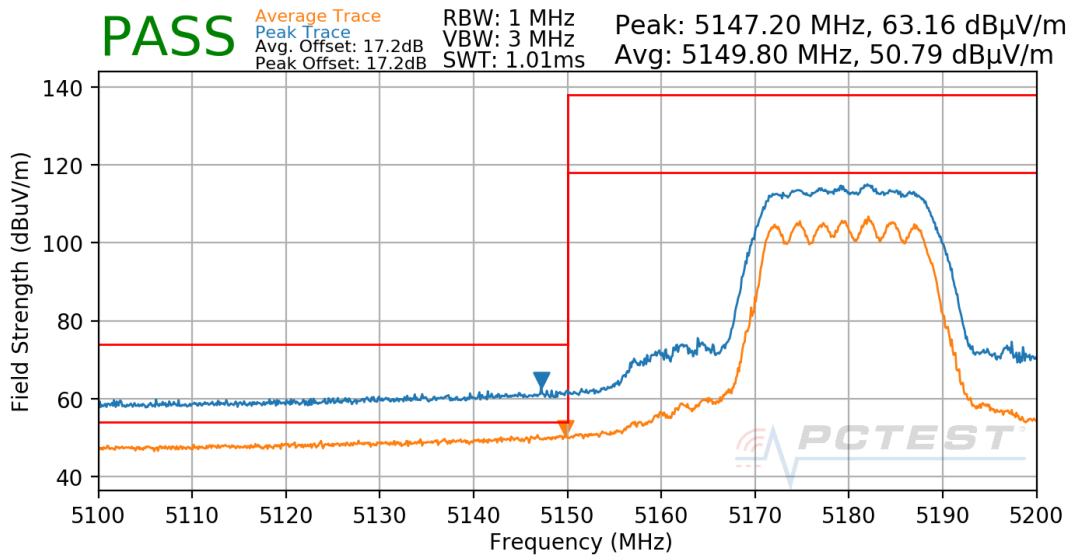
**Plot 7-259. Radiated Upper Band Edge Plot SISO CORE 1 (Peak – UNII Band 3)**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 186 of 210                 |

## 7.6.11 CDD/SDM Radiated Band Edge Measurements (20MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

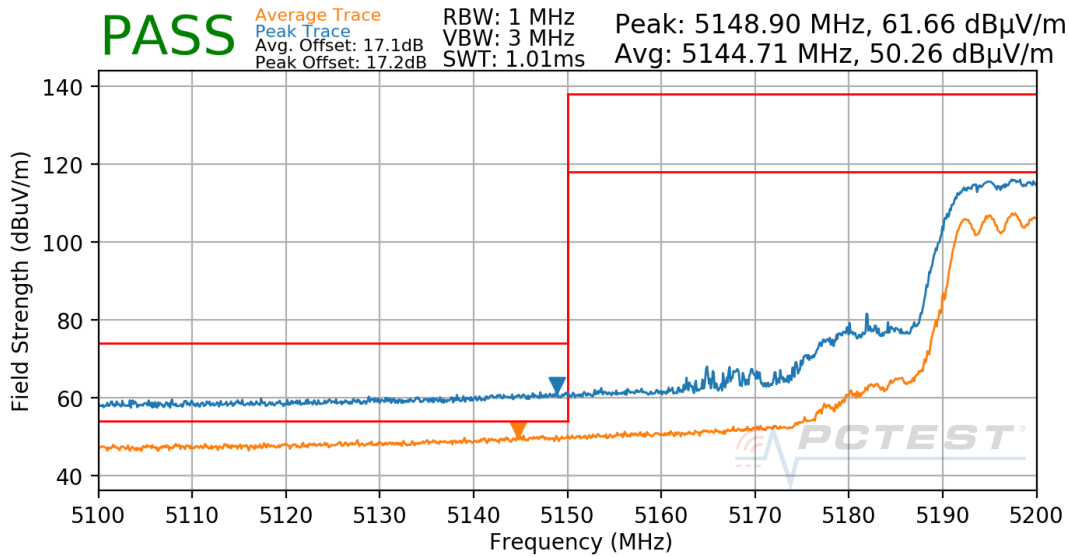
|                           |          |
|---------------------------|----------|
| Worst Case Mode:          | 802.11n  |
| Worst Case Transfer Rate: | MSC0     |
| Distance of Measurements: | 3 Meters |
| Operating Frequency:      | 5180MHz  |
| Channel:                  | 36       |



Plot 7-260. Radiated Lower Band Edge Plot CDD (UNII Band 1)

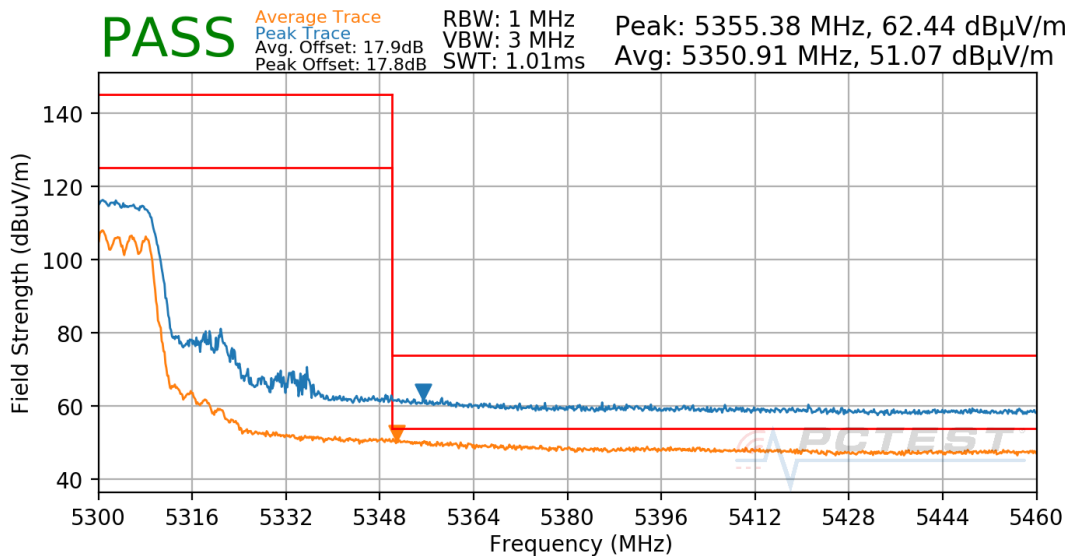
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 187 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5200MHz  
Channel: 40



Plot 7-261. Radiated Lower Band Edge Plot CDD (UNII Band 1)

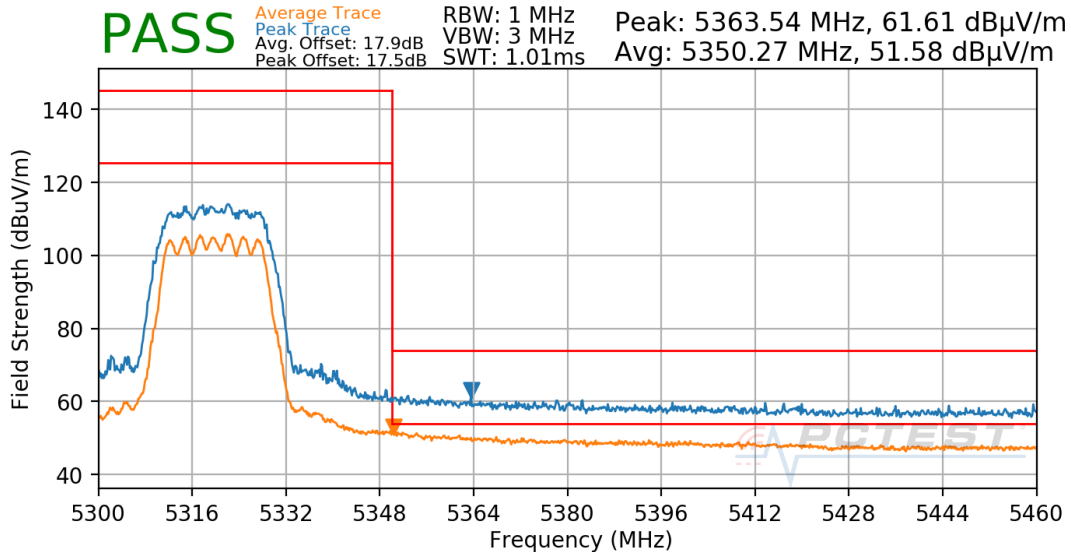
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC8  
Distance of Measurements: 3 Meters  
Operating Frequency: 5300MHz  
Channel: 60



Plot 7-262. Radiated Upper Band Edge Plot SDM (UNII Band 2A)

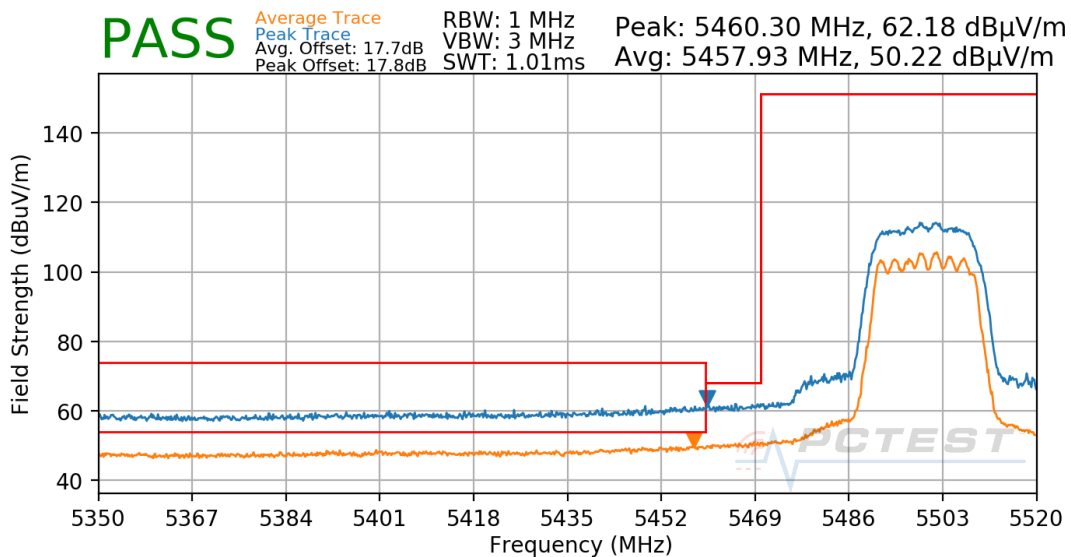
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 188 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5320MHz  
Channel: 64



Plot 7-263. Radiated Upper Band Edge Plot CDD (UNII Band 2A)

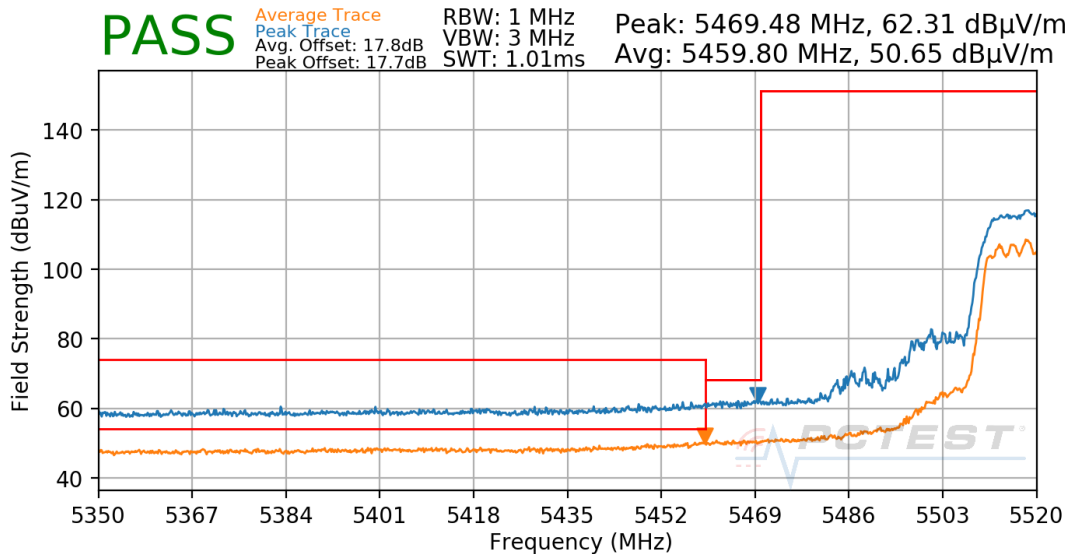
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5500MHz  
Channel: 100



Plot 7-264. Radiated Lower Band Edge Plot CDD (UNII Band 2C)

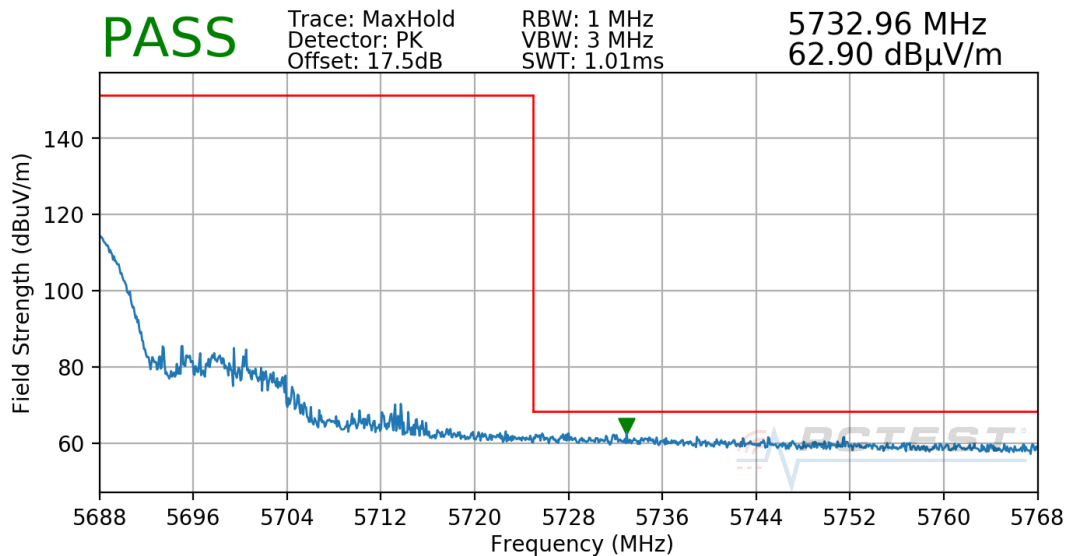
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 189 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC8  
Distance of Measurements: 3 Meters  
Operating Frequency: 5520MHz  
Channel: 104



**Plot 7-265. Radiated Lower Band Edge Plot SDM (UNII Band 2C)**

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5580MHz  
Channel: 136

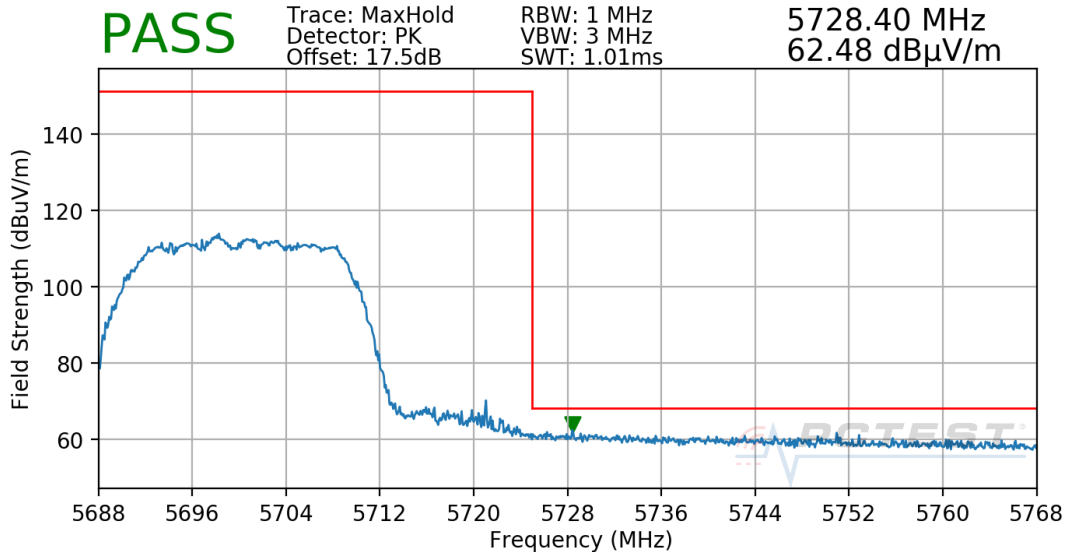


**Plot 7-266. Radiated Upper Band Edge Plot SDM (Peak - UNII Band 2C)**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 190 of 210                 |

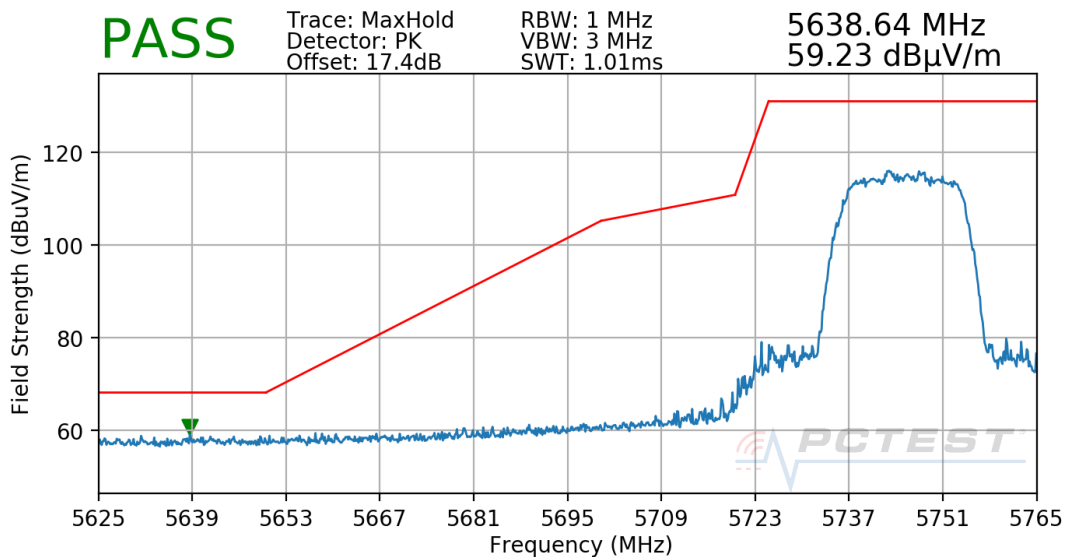


Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5700MHz  
Channel: 140



**Plot 7-267. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 2C)**

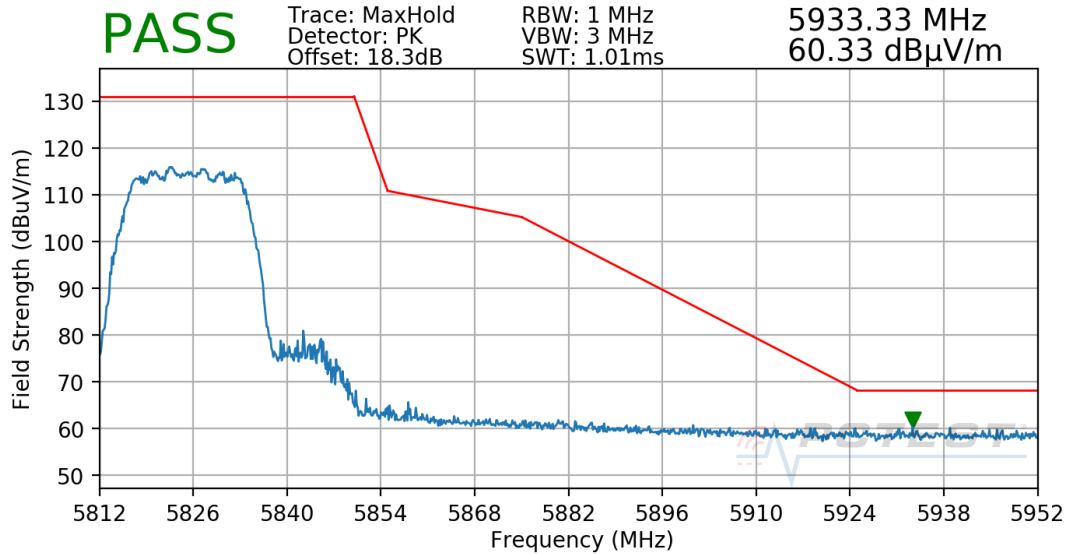
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5745MHz  
Channel: 149



**Plot 7-268. Radiated Lower Band Edge Plot CDD (Peak – UNII Band 3)**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 191 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5825MHz  
Channel: 165



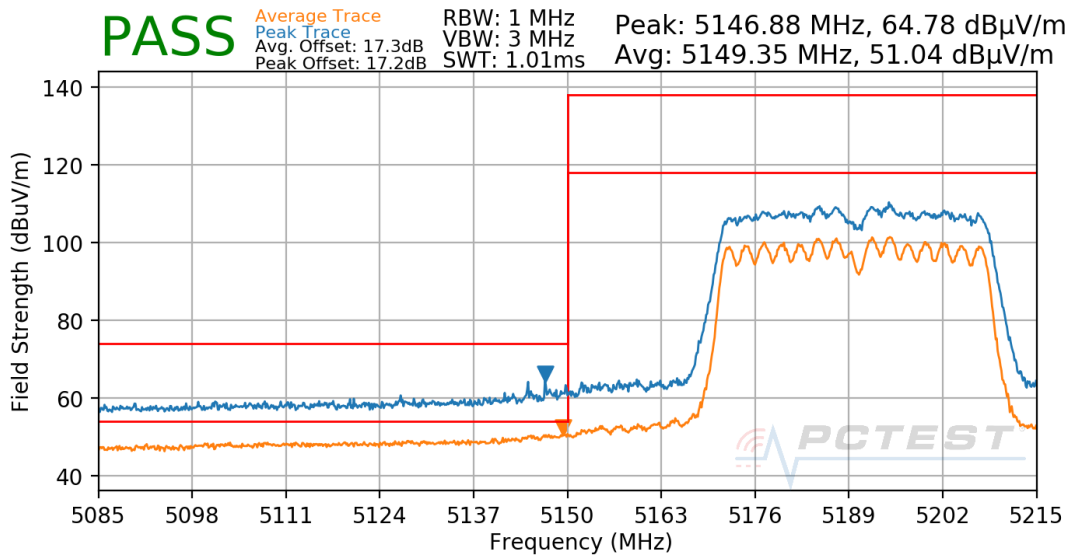
**Plot 7-269. Radiated Upper Band Edge Plot CDD (Peak – UNII Band 3)**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 192 of 210                 |

## 7.6.12 CDD/SDM Radiated Band Edge Measurements (40MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

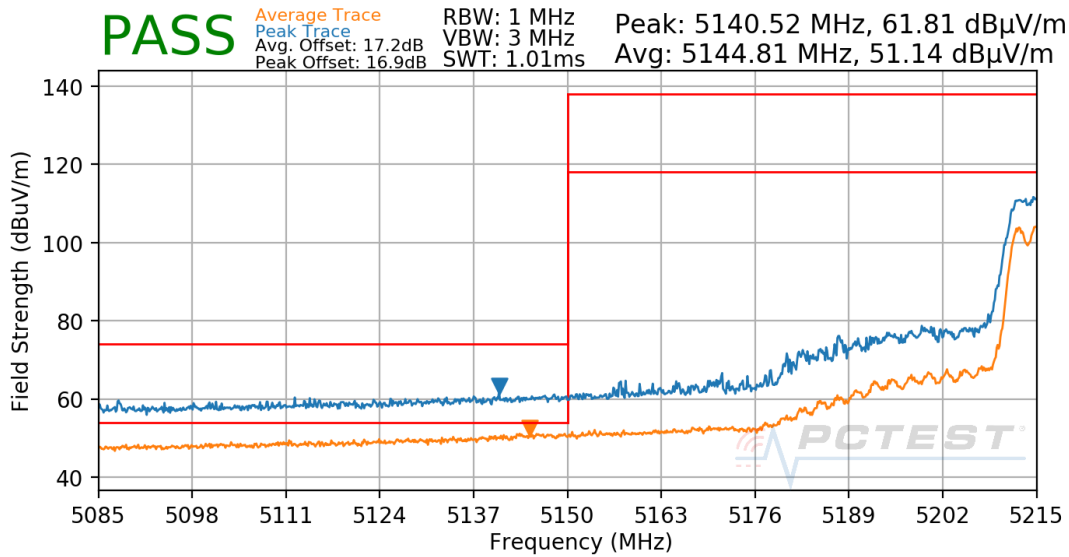
|                           |          |
|---------------------------|----------|
| Worst Case Mode:          | 802.11n  |
| Worst Case Transfer Rate: | MSC0     |
| Distance of Measurements: | 3 Meters |
| Operating Frequency:      | 5190MHz  |
| Channel:                  | 38       |



Plot 7-270. Radiated Lower Band Edge Plot CDD (UNII Band 1)

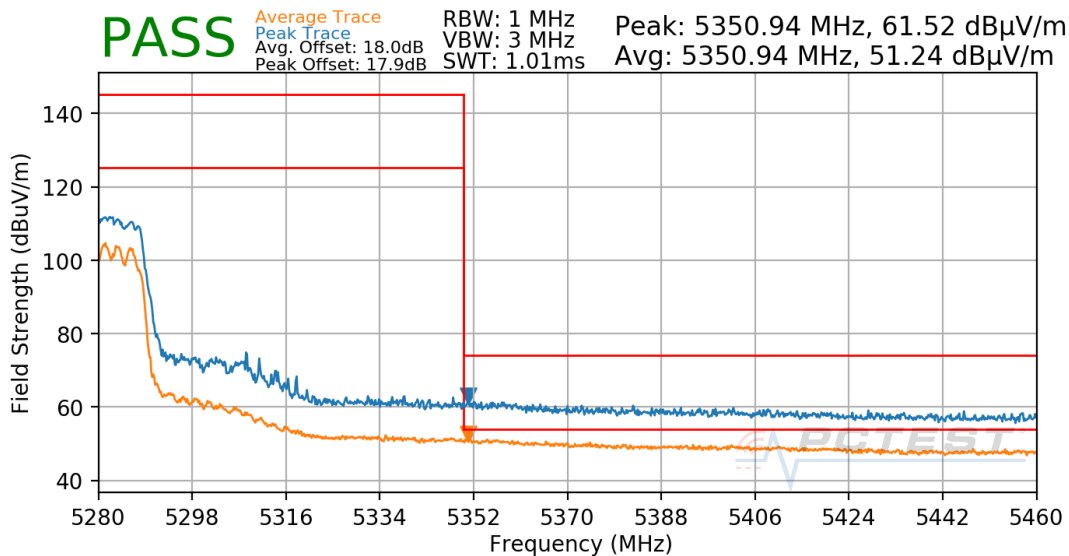
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 193 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5230MHz  
Channel: 46



Plot 7-271. Radiated Lower Band Edge Plot CDD (UNII Band 1)

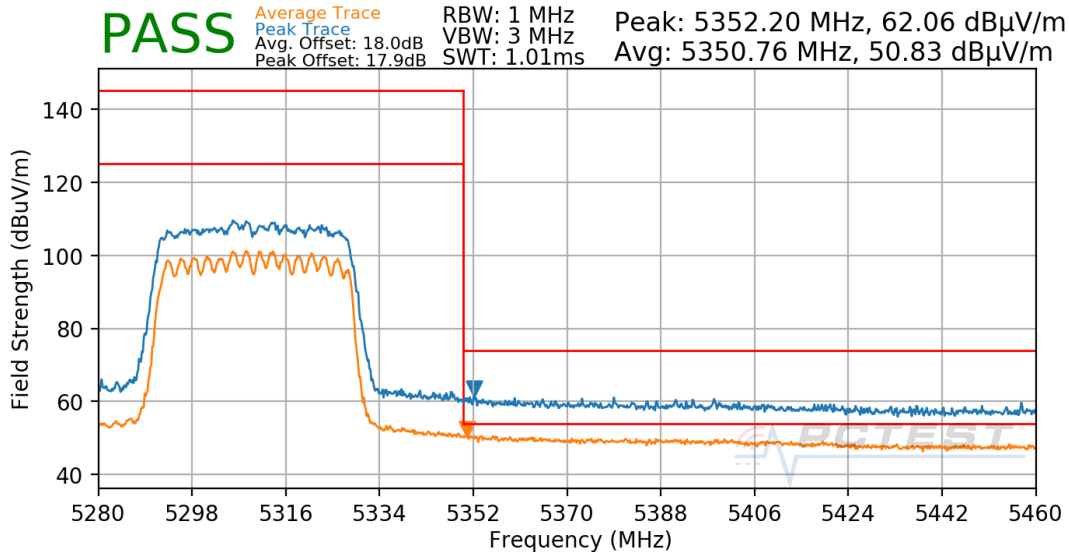
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5270MHz  
Channel: 54



Plot 7-272. Radiated Upper Band Edge Plot CDD (UNII Band 2A)

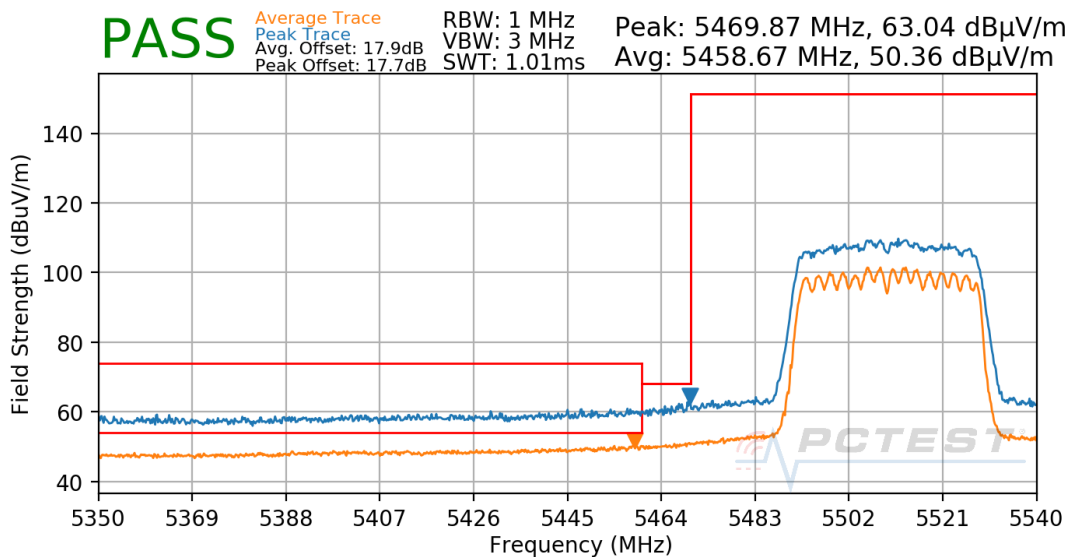
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 194 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5310MHz  
Channel: 62



Plot 7-273. Radiated Upper Band Edge Plot CDD (UNII Band 2A)

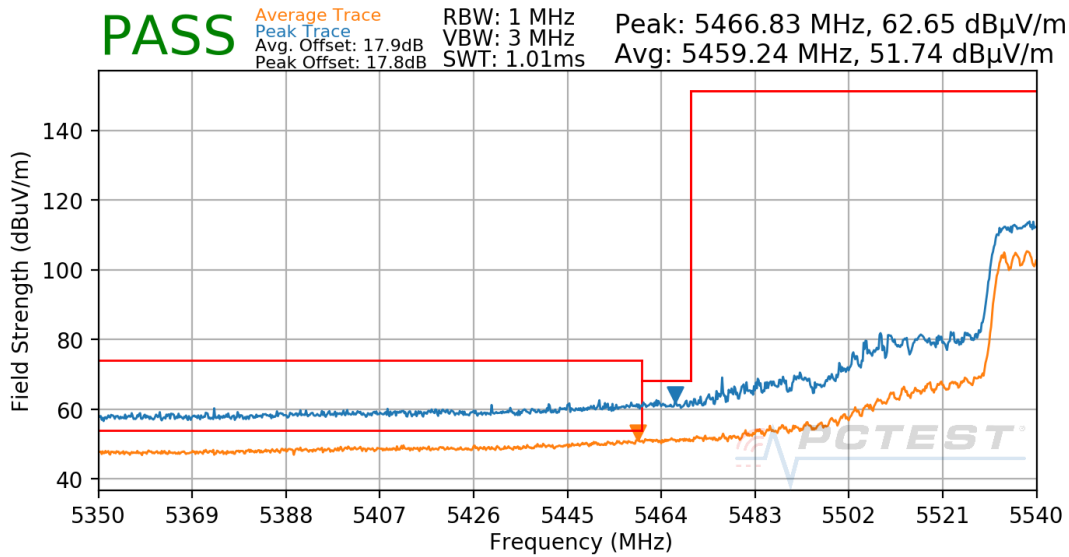
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5510MHz  
Channel: 102



Plot 7-274. Radiated Lower Band Edge Plot CDD (UNII Band 2C)

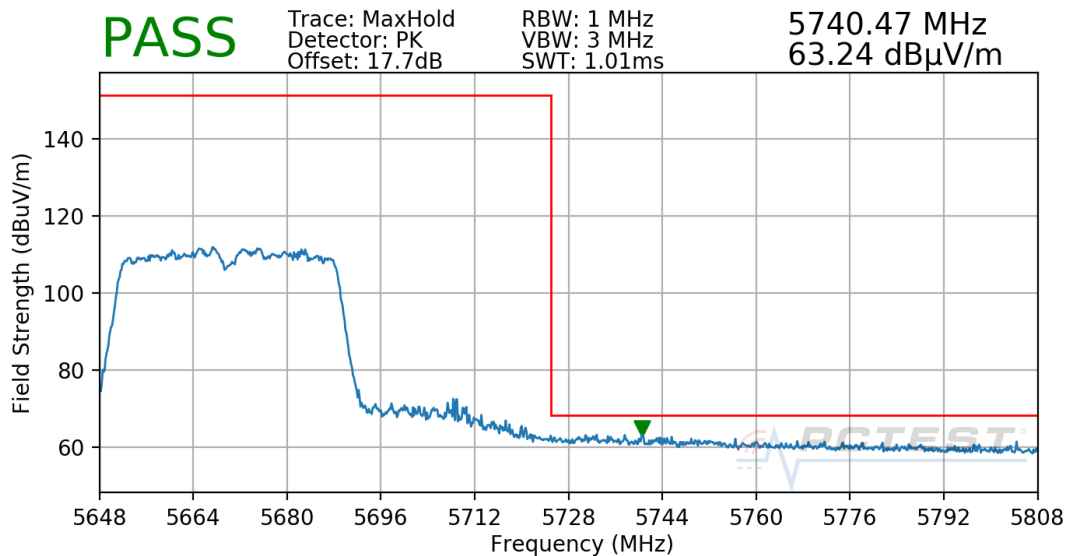
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 195 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5550MHz  
Channel: 110



**Plot 7-275. Radiated Lower Band Edge Plot CDD (UNII Band 2C)**

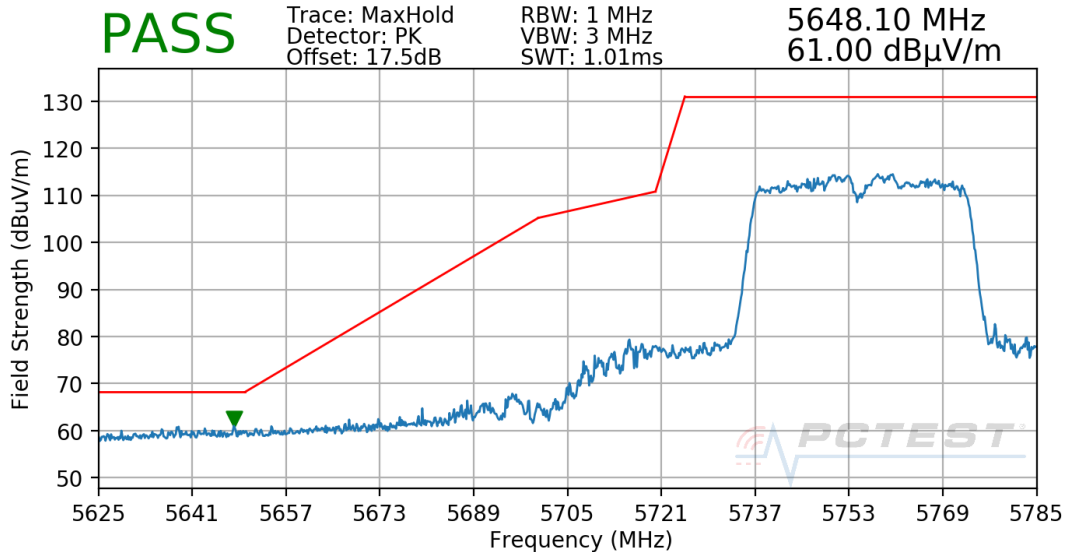
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5670MHz  
Channel: 134



**Plot 7-276. Radiated Upper Band Edge Plot CDD (Peak - UNII Band 2C)**

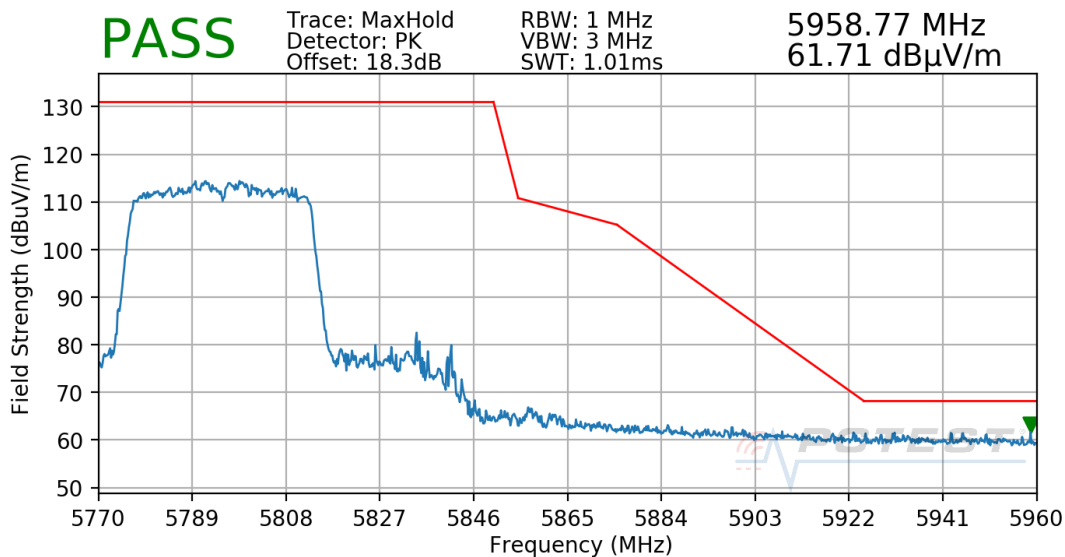
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 196 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5755MHz  
Channel: 151



**Plot 7-277. Radiated Lower Band Edge Plot CDD (Peak - UNII Band 3)**

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5795MHz  
Channel: 159



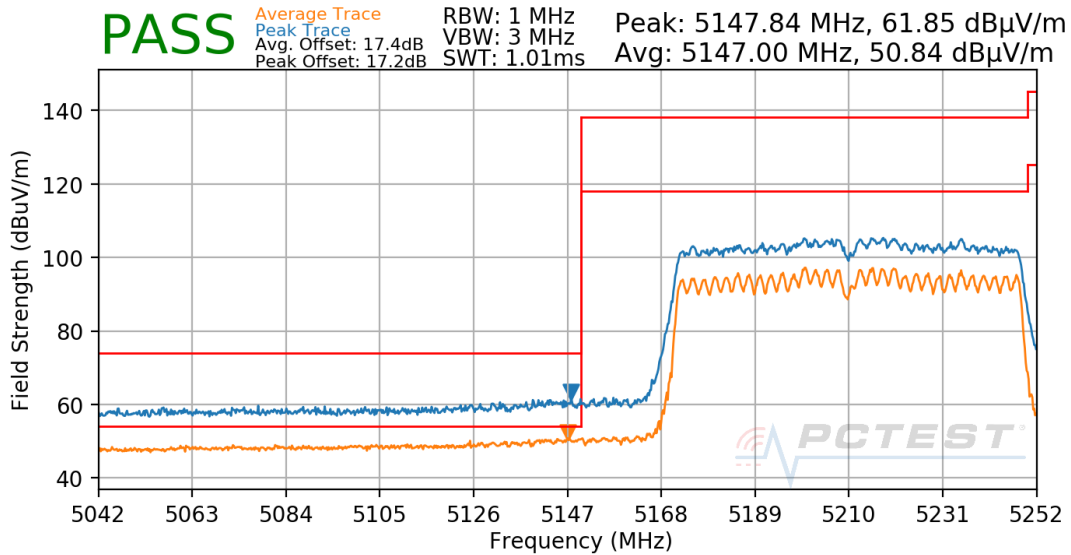
**Plot 7-278. Radiated Upper Band Edge Plot CDD (Peak - UNII Band 3)**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 197 of 210                 |

### 7.6.13 CDD/SDM Radiated Band Edge Measurements (80MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

|                           |          |
|---------------------------|----------|
| Worst Case Mode:          | 802.11n  |
| Worst Case Transfer Rate: | MSC0     |
| Distance of Measurements: | 3 Meters |
| Operating Frequency:      | 5210MHz  |
| Channel:                  | 42       |

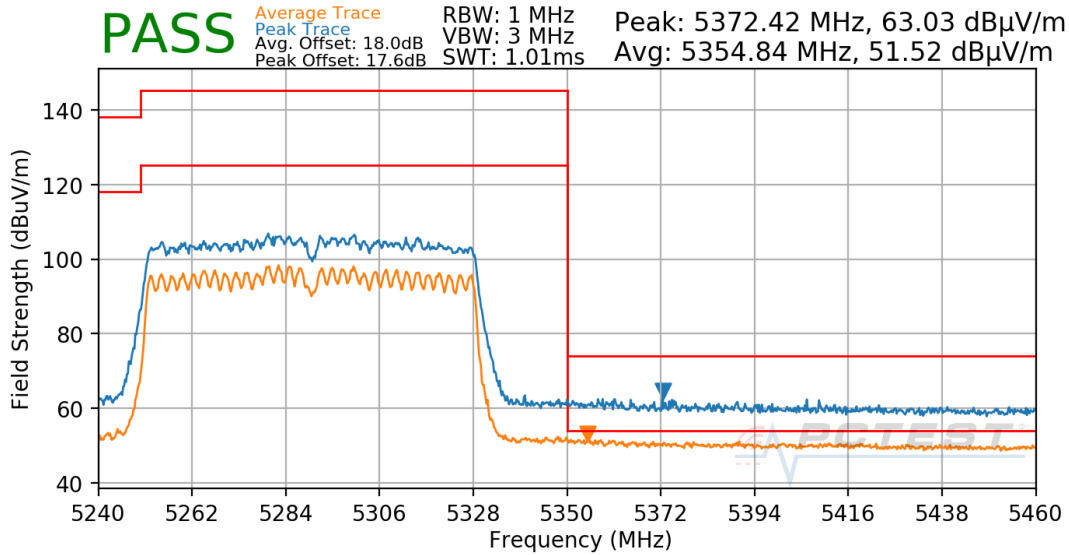


Plot 7-279. Radiated Lower Band Edge Plot CDD (UNII Band 1)

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 198 of 210                 |

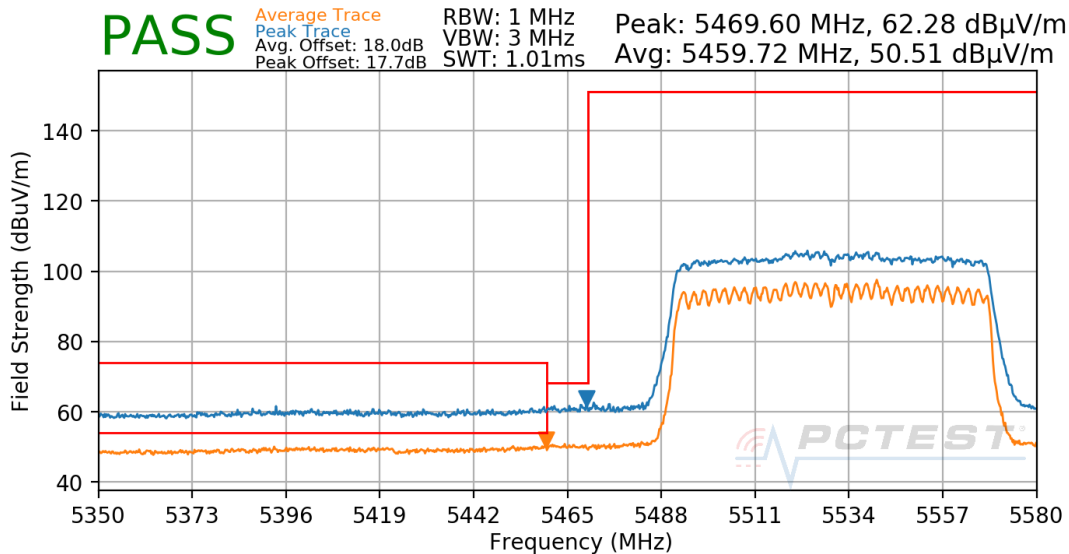


Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5290MHz  
Channel: 58



**Plot 7-280. Radiated Upper Band Edge Plot CDD (UNII Band 2A)**

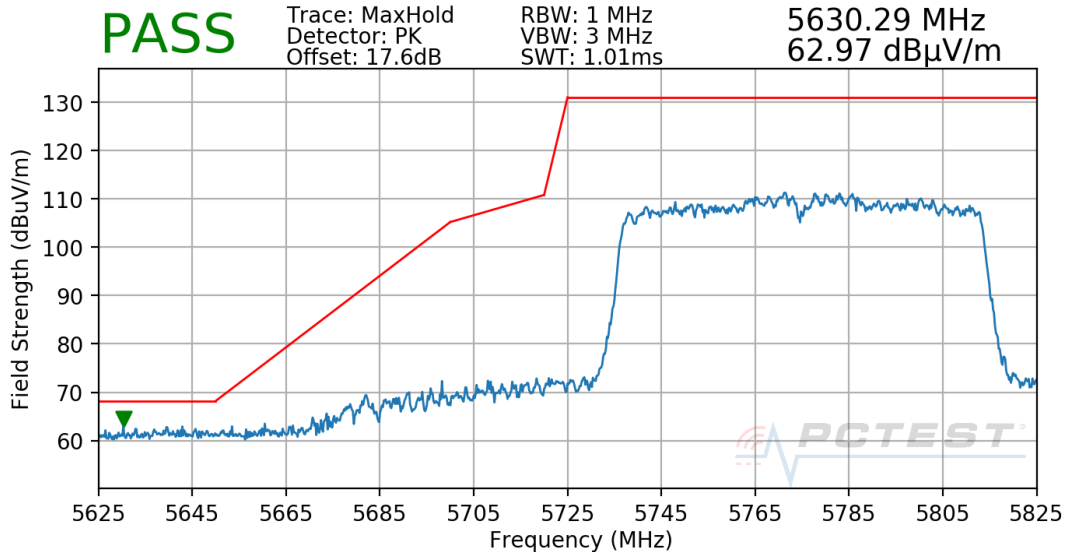
Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5530MHz  
Channel: 106



**Plot 7-281. Radiated Lower Band Edge Plot CDD (UNII Band 2C)**

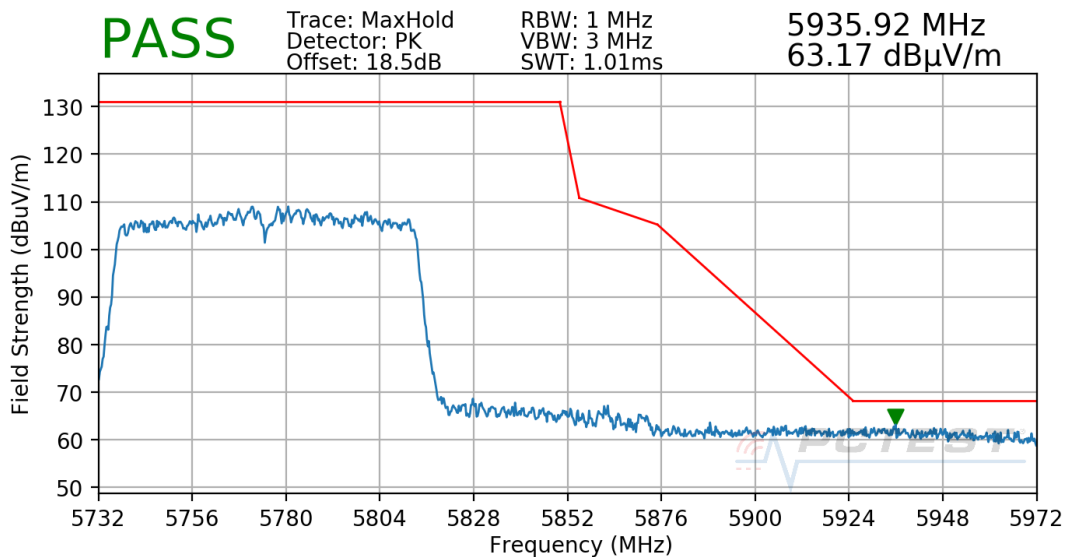
|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 199 of 210                 |

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5775MHz  
Channel: 155



**Plot 7-282. Radiated Lower Band Edge Plot CDD (Peak - UNII Band 3)**

Worst Case Mode: 802.11n  
Worst Case Transfer Rate: MSC0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5775MHz  
Channel: 155



**Plot 7-283. Radiated Upper Band Edge Plot CDD (Peak - UNII Band 3)**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 200 of 210                 |

## 7.7 Radiated Spurious Emissions – Below 1GHz

**§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 maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

***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 7-74 per Section 15.209 and RSS-Gen (8.9).***

| Frequency         | Field Strength<br>[μV/m] | Measured Distance<br>[Meters] |
|-------------------|--------------------------|-------------------------------|
| 0.009 – 0.490 MHz | 2400/F (kHz)             | 300                           |
| 0.490 – 1.705 MHz | 24000/F (kHz)            | 30                            |
| 1.705 – 30.00 MHz | 30                       | 30                            |
| 30.00 – 88.00 MHz | 100                      | 3                             |
| 88.00 – 216.0 MHz | 150                      | 3                             |
| 216.0 – 960.0 MHz | 200                      | 3                             |
| Above 960.0 MHz   | 500                      | 3                             |

**Table 7-74. Radiated Limits**

### Test Procedures Used

ANSI C63.10-2013

### Test Settings

#### Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

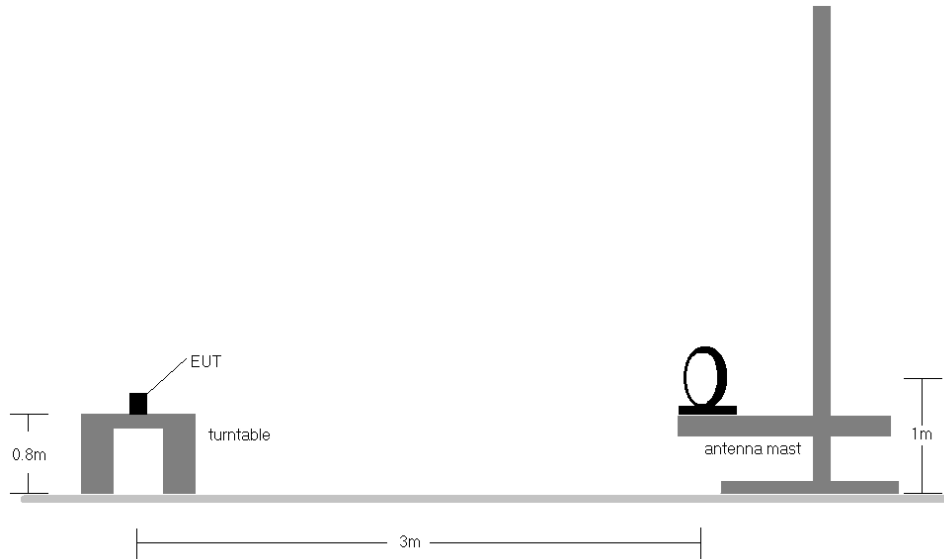
#### Peak Field Strength Measurements

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

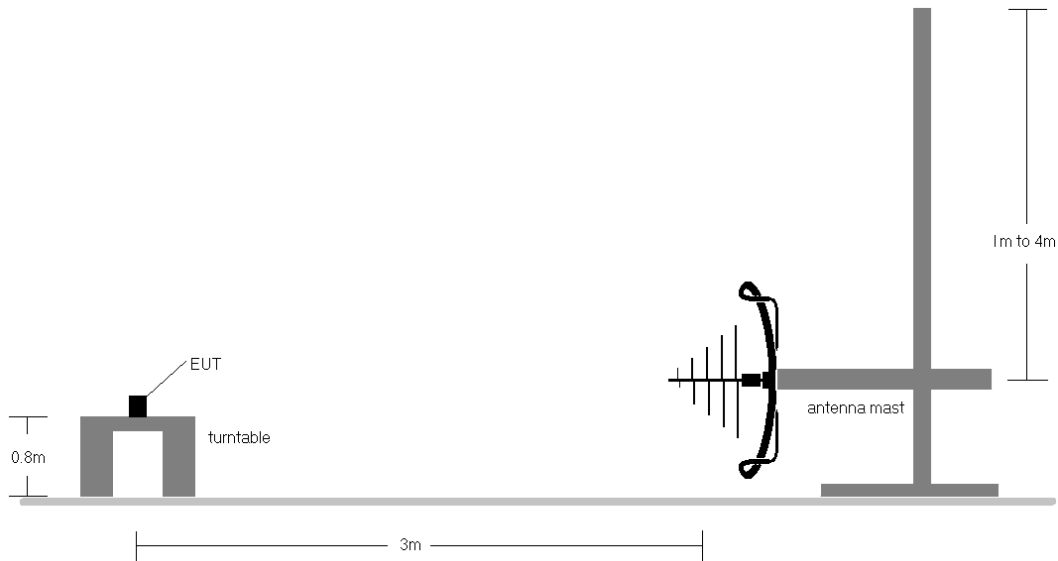
|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020                                              | EUT Type:<br>Tablet Device            | Page 201 of 210                 |

## Test Setup

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



**Figure 7-6. Radiated Test Setup < 30MHz**



**Figure 7-7. Radiated Test Setup < 1GHz**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 202 of 210                 |

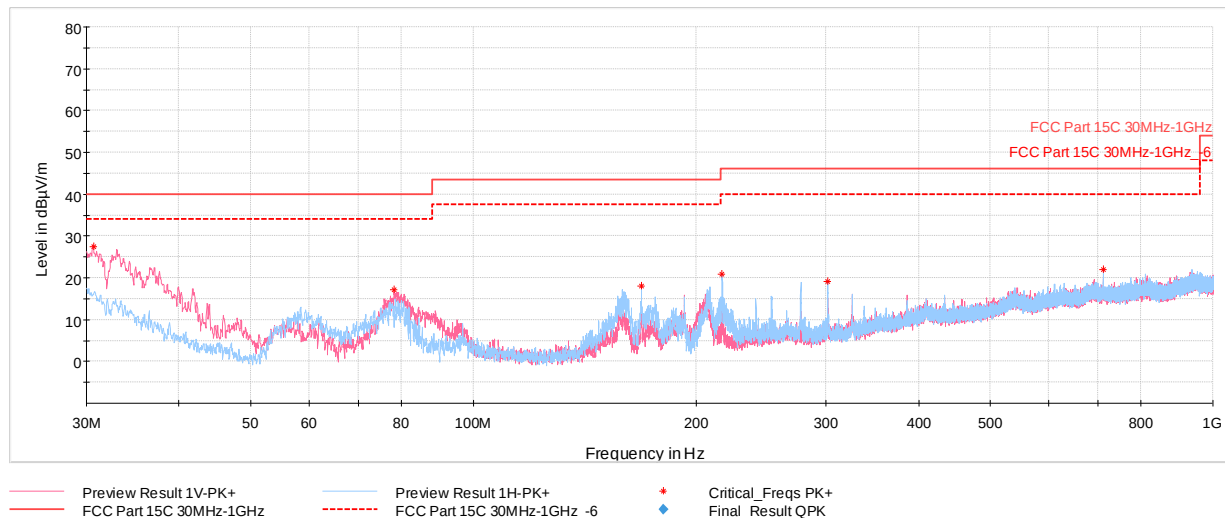
## Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-74.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector on emissions that were within 6dB of the limit. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. Both configurations below were investigated, and the worst case has been reported.
  - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
  - b. EUT powered by host PC via USB-C cable with wire charger
9. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
10. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. There were no emissions detected in the 30MHz – 1GHz frequency range, as shown in the subsequent plots.

|                                         |                                                                                                                                                                                                                      |                                       |                                 |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        |  <b>PCTEST</b><br>Proud to be part of  element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020                                                                                                                                                                               | EUT Type:<br>Tablet Device            | Page 203 of 210                 |

## CDD/SDM Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]



Plot 7-284. Radiated Spurious Emissions below 1GHz CDD – Ch.36 with AC/DC Adapter

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBµV/m] | Limit [dBµV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 30.68           | Max Peak | V               | 100                 | 332                        | -61.77               | -17.77      | 27.46                   | 40.00          | -12.54      |
| 78.11           | Max Peak | V               | 100                 | 172                        | -63.19               | -26.70      | 17.11                   | 40.00          | -22.89      |
| 168.76          | Max Peak | H               | 100                 | 238                        | -65.70               | -23.32      | 17.98                   | 43.52          | -25.54      |
| 217.02          | Max Peak | H               | 100                 | 256                        | -64.20               | -21.84      | 20.96                   | 46.02          | -25.06      |
| 301.45          | Max Peak | H               | 100                 | 105                        | -69.04               | -18.92      | 19.04                   | 46.02          | -26.98      |
| 711.38          | Max Peak | H               | 100                 | 224                        | -76.82               | -8.25       | 21.93                   | 46.02          | -24.09      |

Table 7-75. Radiated Spurious Emissions below 1GHz CDD – Ch.36 with AC/DC Adapter

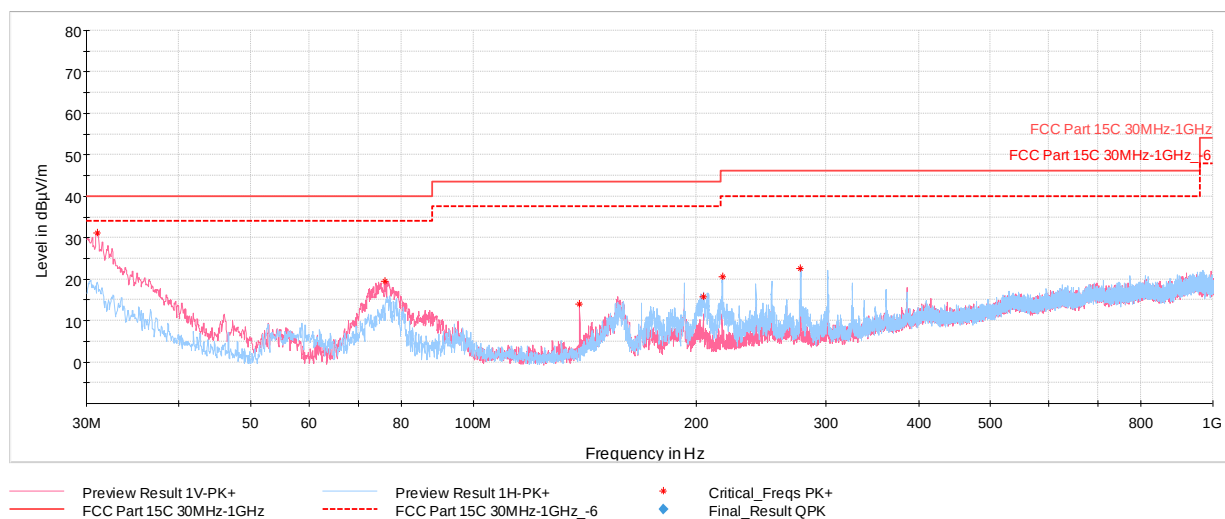
|                                         |                                              |                                       |  |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            |  | Page 204 of 210                 |

## Simultaneous Tx Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]

| Description               | Bluetooth | 802.11a/n/ac 5GHz |
|---------------------------|-----------|-------------------|
| Antenna                   | A         | A                 |
| Channel                   | 78        | 36                |
| Operating Frequency (MHz) | 2480      | 5180              |
| Data Rate (Mbps)          | 1.0       | MCS0              |
| Mode                      | GFSK/ePa  | 802.11n           |

**Table 7-76. Worst Case Simultaneous Transmission Configuration**



**Plot 7-285. Radiated Spurious Emissions below 1GHz (2.4GHz Ch.78 – 5GHz Ch.36), with AC/DC adapter**

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 31.07           | Max Peak | V               | 100                 | 295                        | -57.93               | -18.00      | 31.07                   | 40.00          | -8.93       |
| 75.93           | Max Peak | V               | 100                 | 172                        | -61.00               | -26.59      | 19.41                   | 40.00          | -20.59      |
| 139.13          | Max Peak | V               | 100                 | 277                        | -68.05               | -25.01      | 13.94                   | 43.52          | -29.58      |
| 204.99          | Max Peak | H               | 100                 | 173                        | -69.27               | -21.91      | 15.82                   | 43.52          | -27.70      |
| 217.11          | Max Peak | H               | 100                 | 246                        | -64.53               | -21.83      | 20.64                   | 46.02          | -25.38      |
| 277.20          | Max Peak | H               | 100                 | 127                        | -65.05               | -19.47      | 22.48                   | 46.02          | -23.54      |

**Table 7-77. Radiated Spurious Emissions below 1GHz (2.4GHz Ch.78 – 5GHz Ch.36), with AC/DC adapter**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 205 of 210                 |

## 7.8 AC Line-Conducted Emissions Measurement

**§15.407; RSS-Gen [8.8]**

### Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for AC Line conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

***All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (8.8).***

| Frequency of emission (MHz) | Conducted Limit (dBμV) |           |
|-----------------------------|------------------------|-----------|
|                             | Quasi-peak             | Average   |
| 0.15 – 0.5                  | 66 to 56*              | 56 to 46* |
| 0.5 – 5                     | 56                     | 46        |
| 5 – 30                      | 60                     | 50        |

**Table 7-78. Conducted Limits**

\*Decreases with the logarithm of the frequency.

### Test Procedures Used

ANSI C63.10-2013, Section 6.2

### Test Settings

#### Quasi-Peak Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

#### Average Measurements

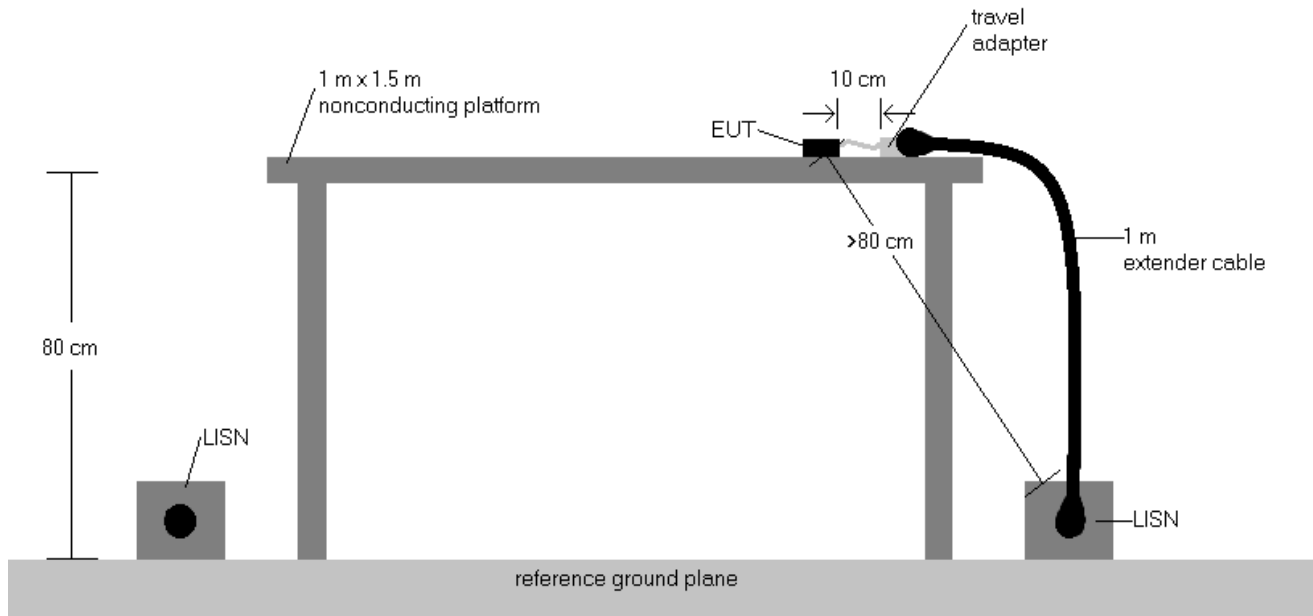
1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

|                                         |                                                                                     |                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020                                              | EUT Type:<br>Tablet Device            | Page 206 of 210                 |



## Test Setup

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

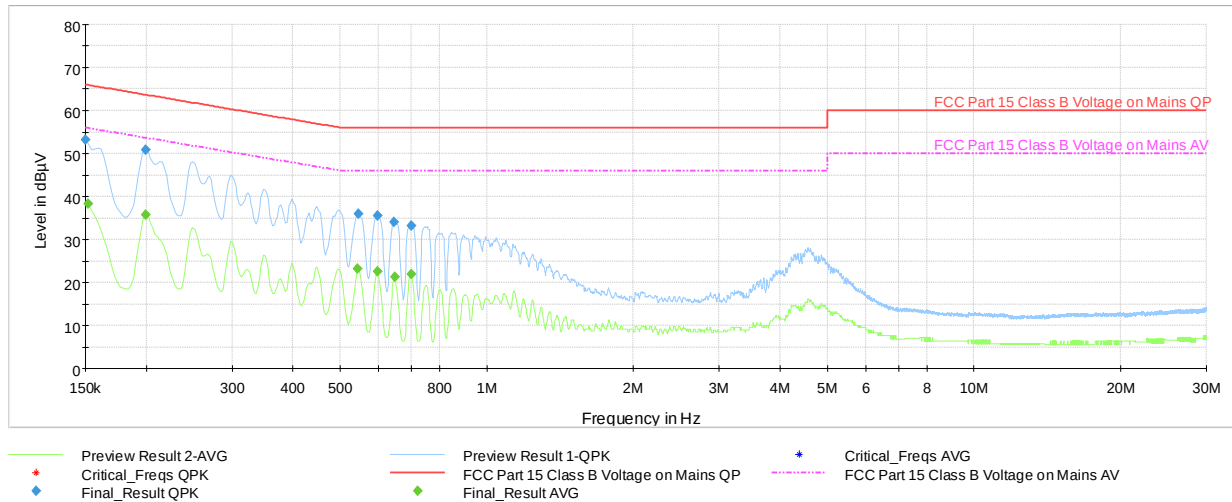


**Figure 7-8. Test Instrument & Measurement Setup**

## Test Notes

1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
  - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
  - b. EUT powered by host PC via USB-C cable with wire charger
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in Part 15.207 and RSS-Gen(8.8).
4.  $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
5.  $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Corr. (dB)}$
6.  $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
7. Traces shown in plot are made using quasi peak and average detectors.
8. Deviations to the Specifications: None.

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 207 of 210                 |

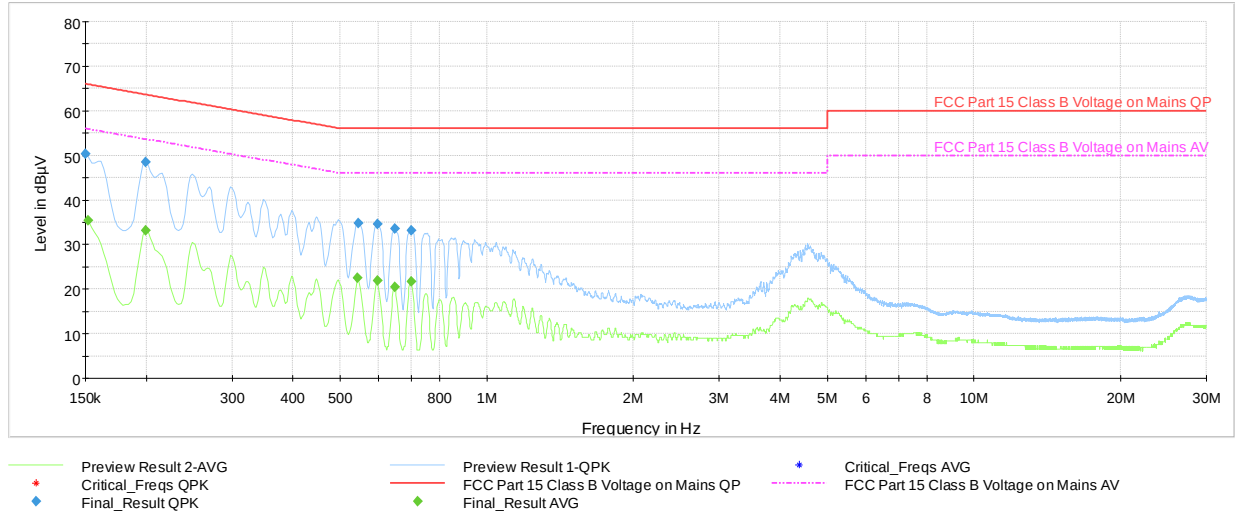


**Plot 7-286. Line Conducted Plot with 802.11n UNII Band 1 – Ch.36 (L1), with AC/DC adapter**

| Frequency [MHz] | Process State | QuasiPeak [dBμV] | Average [dBμV] | Limit [dBμV] | Margin [dB] | Line | PE  |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.150           | FINAL         | 53.1             | —              | 66.00        | -12.88      | L1   | GND |
| 0.152           | FINAL         | —                | 38.31          | 55.88        | -17.56      | L1   | GND |
| 0.200           | FINAL         | 50.9             | —              | 63.63        | -12.70      | L1   | GND |
| 0.200           | FINAL         | —                | 35.69          | 53.63        | -17.94      | L1   | GND |
| 0.544           | FINAL         | —                | 23.27          | 46.00        | -22.73      | L1   | GND |
| 0.546           | FINAL         | 36.0             | —              | 56.00        | -20.03      | L1   | GND |
| 0.596           | FINAL         | —                | 22.66          | 46.00        | -23.34      | L1   | GND |
| 0.596           | FINAL         | 35.4             | —              | 56.00        | -20.56      | L1   | GND |
| 0.645           | FINAL         | 34.0             | —              | 56.00        | -22.00      | L1   | GND |
| 0.647           | FINAL         | —                | 21.19          | 46.00        | -24.81      | L1   | GND |
| 0.699           | FINAL         | 33.3             | —              | 56.00        | -22.73      | L1   | GND |
| 0.699           | FINAL         | —                | 22.01          | 46.00        | -23.99      | L1   | GND |

**Table 7-79. Line Conducted Data with 802.11n UNII Band 1 – Ch.36 (L1) with AC/DC adapter**

|                                         |                                              |                                       |                                 |
|-----------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device            | Page 208 of 210                 |



**Plot 7-287. Line Conducted Plot with 802.11n UNII Band 1 – Ch.36 (N), with AC/DC adapter**

| Frequency [MHz] | Process State | QuasiPeak [dBμV] | Average [dBμV] | Limit [dBμV] | Margin [dB] | Line | PE  |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.150           | FINAL         | 50.4             | —              | 66.00        | -15.62      | N    | GND |
| 0.152           | FINAL         | —                | 35.49          | 55.88        | -20.38      | N    | GND |
| 0.200           | FINAL         | 48.5             | —              | 63.63        | -15.13      | N    | GND |
| 0.200           | FINAL         | —                | 33.13          | 53.63        | -20.51      | N    | GND |
| 0.544           | FINAL         | —                | 22.44          | 46.00        | -23.56      | N    | GND |
| 0.546           | FINAL         | 34.9             | —              | 56.00        | -21.14      | N    | GND |
| 0.596           | FINAL         | —                | 21.90          | 46.00        | -24.10      | N    | GND |
| 0.596           | FINAL         | 34.6             | —              | 56.00        | -21.42      | N    | GND |
| 0.647           | FINAL         | —                | 20.43          | 46.00        | -25.57      | N    | GND |
| 0.647           | FINAL         | 33.5             | —              | 56.00        | -22.50      | N    | GND |
| 0.699           | FINAL         | 33.2             | —              | 56.00        | -22.82      | N    | GND |
| 0.699           | FINAL         | —                | 21.73          | 46.00        | -24.27      | N    | GND |

**Table 7-80. Line Conducted Data with 802.11n UNII Band 1 – Ch.36 (N), with AC/DC adapter**

|                                         |                                              |                                               |  |                                 |
|-----------------------------------------|----------------------------------------------|-----------------------------------------------|--|---------------------------------|
| FCC ID: BCGA2429                        | <b>PCTEST</b><br>Proud to be part of element | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020       | EUT Type:<br>Tablet Device                    |  | Page 209 of 210                 |

## 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2429** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

|                                         |                                                                                                                                                                                                                      |                                       |                                 |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2429                        |  <b>PCTEST</b><br>Proud to be part of  element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2004270034-09.BCG | Test Dates:<br>05/01/2020 - 07/29/2020                                                                                                                                                                               | EUT Type:<br>Tablet Device            | Page 210 of 210                 |