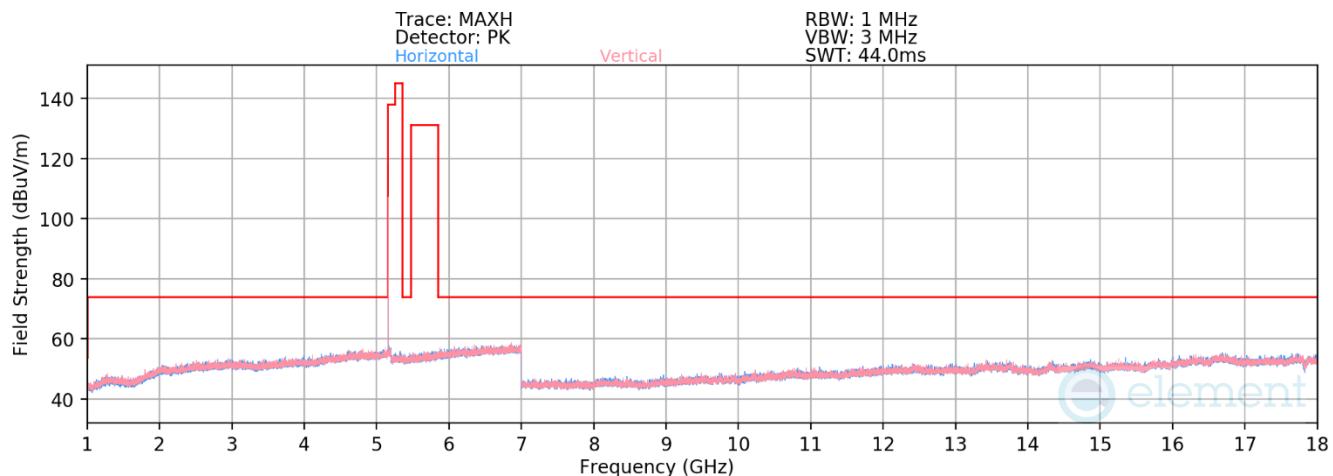


7.6.1 Antenna 5b Radiated Spurious Emission (1-18GHz)



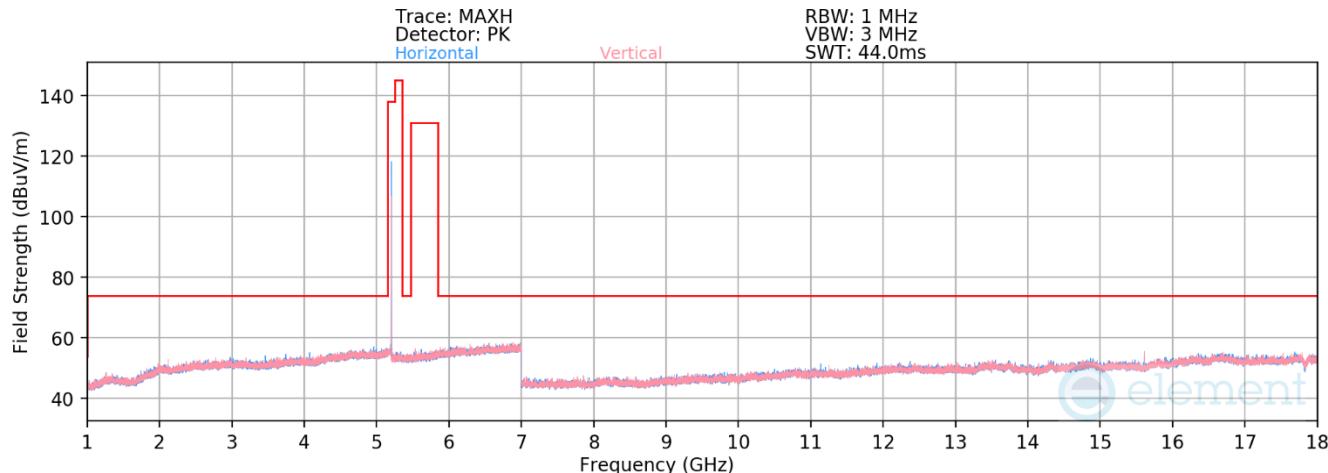
Plot 7-61. Radiated Spurious Emissions 1-18GHz Antenna 5b (BDR – 5162MHz)

| | |
|---------------------------|----------|
| Mode: | BDR |
| Data Rate: | 1Mbps |
| Power Scheme: | ePA |
| Distance of Measurements: | 3 Meters |
| Operating Frequency: | 5162MHz |

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10324.00 | Peak | H | - | - | -70.61 | 11.73 | 48.12 | 68.20 | -20.08 |
| * 15486.00 | Average | V | 243 | 170 | -78.05 | 16.51 | 45.46 | 53.98 | -8.52 |
| * 15486.00 | Peak | V | 243 | 170 | -68.50 | 16.51 | 55.01 | 73.98 | -18.97 |

Table 7-16. Radiated Spurious Emissions Measurements Antenna 5b

| | | | | |
|---|--|----------------------------|----------------|-----------------------------------|
| FCC ID: BCGA2435 |  element MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 65 of 101 | |



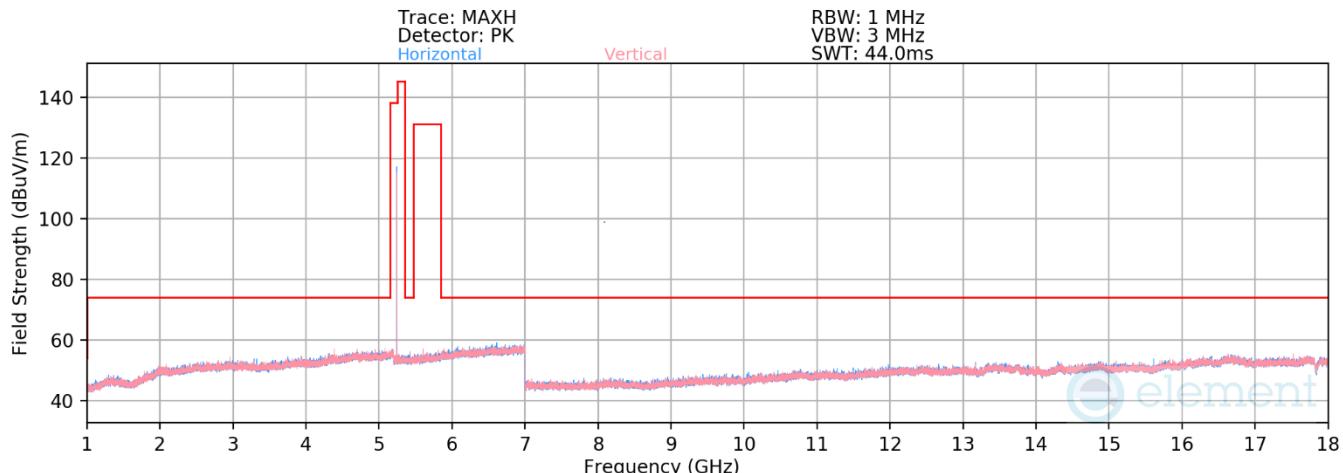
Plot 7-62. Radiated Spurious Emissions 1-18GHz Antenna 5b (BDR – 5204MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5204MHz

| 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] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10408.00 | Peak | H | - | - | -69.06 | 12.26 | 50.20 | 68.20 | -18.00 |
| 15612.00 | Average | H | - | - | -83.09 | 15.80 | 39.71 | 53.98 | -14.27 |
| 15612.00 | Peak | H | - | - | -71.01 | 15.80 | 51.79 | 73.98 | -22.19 |

Table 7-17. Radiated Spurious Emissions Measurements Antenna 5b

| | | | |
|---|--|------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 66 of 101 |



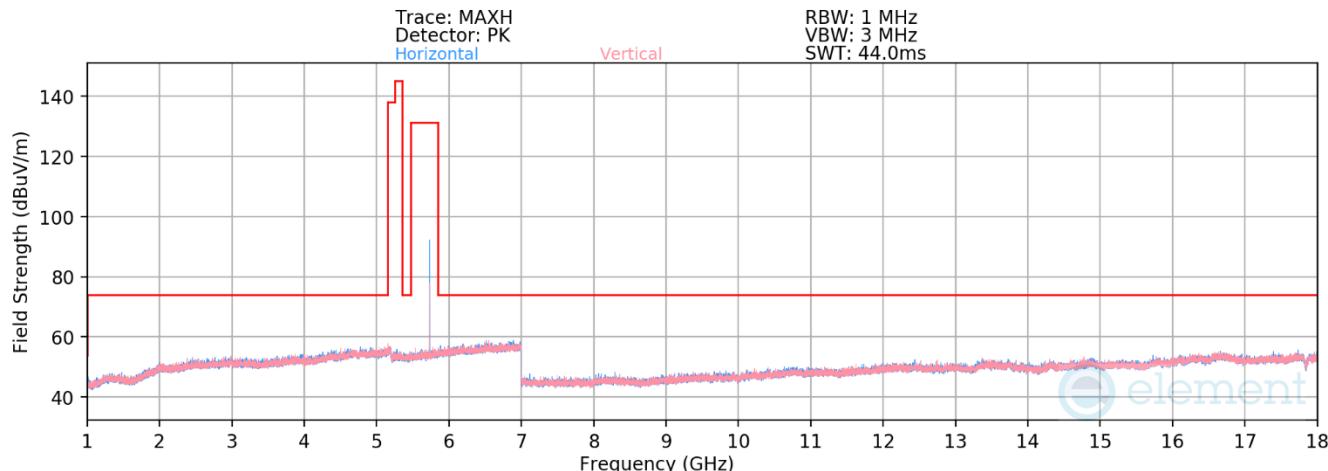
Plot 7-63. Radiated Spurious Emissions 1-18GHz Antenna 5b (BDR – 5245MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5245MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10490.00 | Peak | H | - | - | -69.26 | 12.44 | 50.18 | 68.20 | -18.02 |
| * 15735.00 | Average | H | - | - | -83.51 | 16.72 | 40.21 | 53.98 | -13.77 |
| * 15735.00 | Peak | H | - | - | -70.08 | 16.72 | 53.64 | 73.98 | -20.34 |

Table 7-18. Radiated Spurious Emissions Measurements Antenna 5b

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |



Plot 7-64. Radiated Spurious Emissions 1-18GHz Antenna 5b (BDR – 5733MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5733MHz

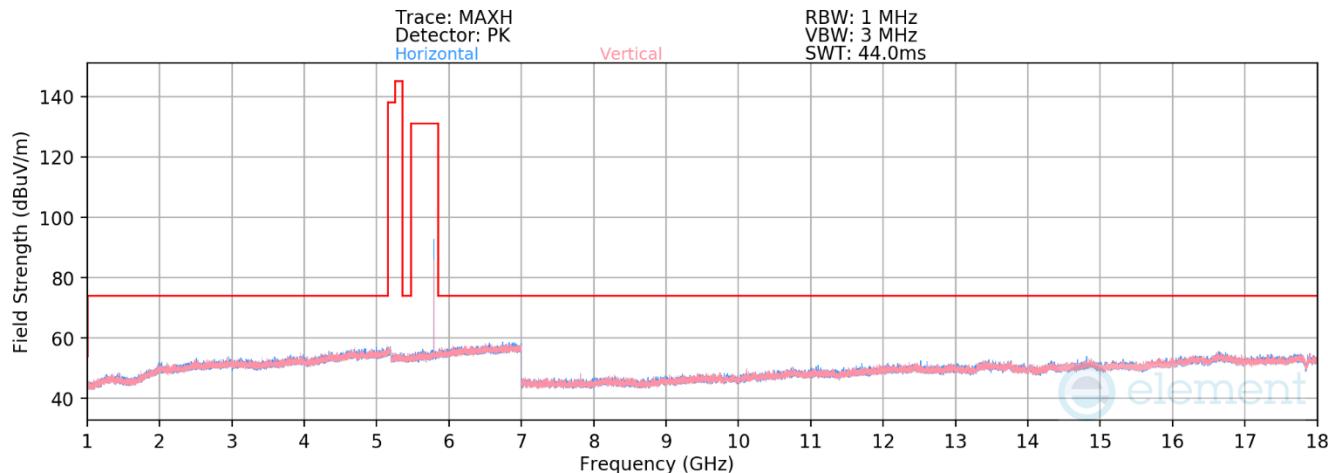
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11466.00 | Average | H | 110 | 213 | -76.86 | 13.12 | 43.26 | 53.98 | -10.72 |
| * 11466.00 | Peak | H | 110 | 213 | -69.63 | 13.12 | 50.49 | 73.98 | -23.49 |
| 17199.00 | Peak | H | - | - | -70.02 | 17.67 | 54.65 | 68.20 | -13.55 |

Table 7-19. Radiated Spurious Emissions Measurements Antenna 5b

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |

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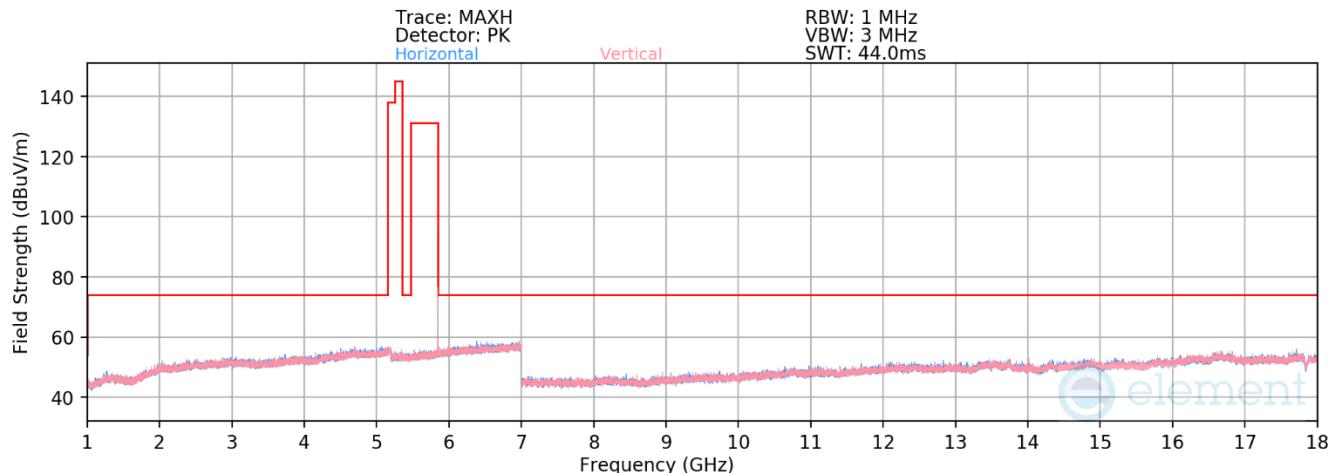
Plot 7-65. Radiated Spurious Emissions 1-18GHz Antenna 5b (BDR – 5789MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5789MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11578.00 | Average | H | 150 | 192 | -79.58 | 13.71 | 41.13 | 53.98 | -12.85 |
| * 11578.00 | Peak | H | 150 | 192 | -69.77 | 13.71 | 50.94 | 73.98 | -23.04 |
| 17367.00 | Peak | H | - | - | -70.50 | 17.12 | 54.22 | 68.20 | -13.98 |

Table 7-20. Radiated Spurious Emissions Measurements Antenna 5b

| | | | | |
|---|---|----------------------------|----------------|-----------------------------------|
| FCC ID: BCGA2435 |  element MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 69 of 101 | |



Plot 7-66. Radiated Spurious Emissions 1-18GHz Antenna 5b (BDR – 5844MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5844MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11688.00 | Average | H | 157 | 222 | -78.05 | 13.57 | 42.52 | 53.98 | -11.46 |
| * 11688.00 | Peak | H | 157 | 222 | -68.61 | 13.57 | 51.96 | 73.98 | -22.02 |
| 17532.00 | Peak | H | - | - | -69.99 | 17.94 | 54.95 | 68.20 | -13.25 |

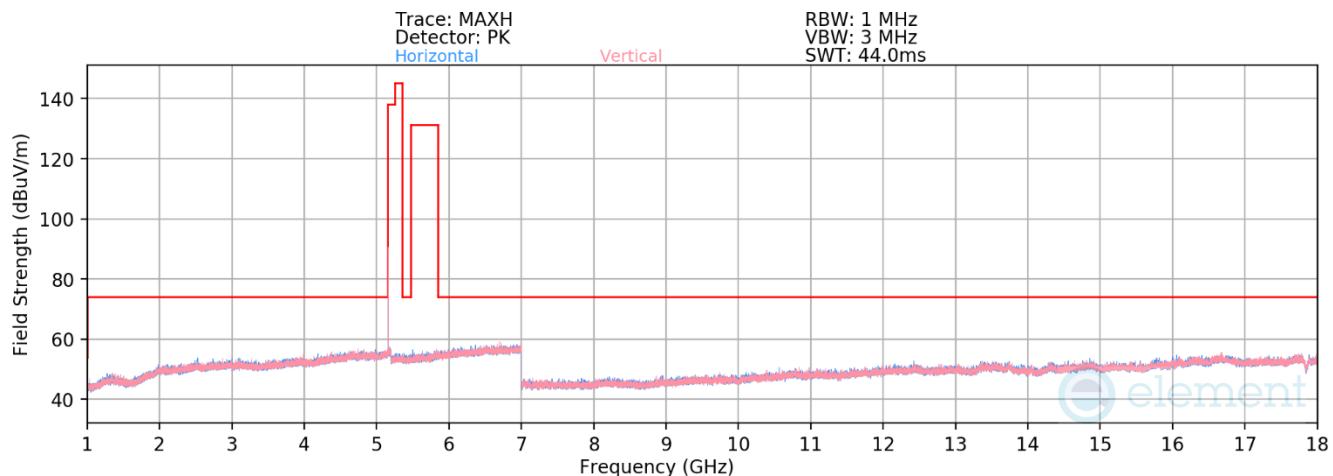
Table 7-21. Radiated Spurious Emissions Measurements Antenna 5b

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |

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7.6.2 Antenna 4a Radiated Spurious Emission



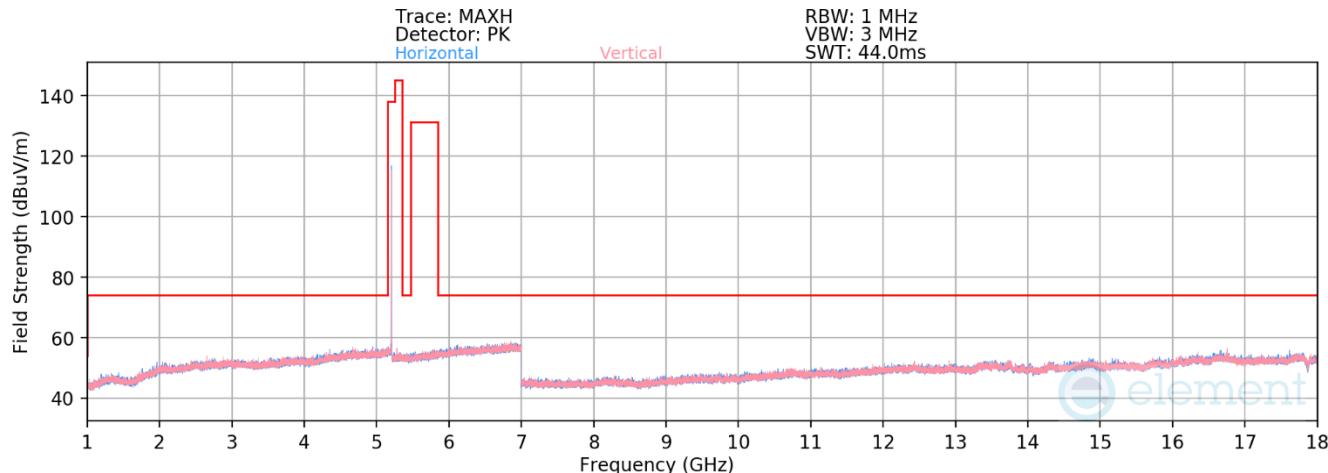
Plot 7-67. Radiated Spurious Emissions 1-18GHz Antenna 4a (BDR – 5162MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5162MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10324.00 | Peak | H | - | - | -68.30 | 11.73 | 50.43 | 68.20 | -17.77 |
| * 15486.00 | Average | H | - | - | -83.14 | 16.51 | 40.37 | 53.98 | -13.61 |
| * 15486.00 | Peak | H | - | - | -70.87 | 16.51 | 52.64 | 73.98 | -21.34 |

Table 7-22. Radiated Spurious Emissions Measurements Antenna 4a

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |



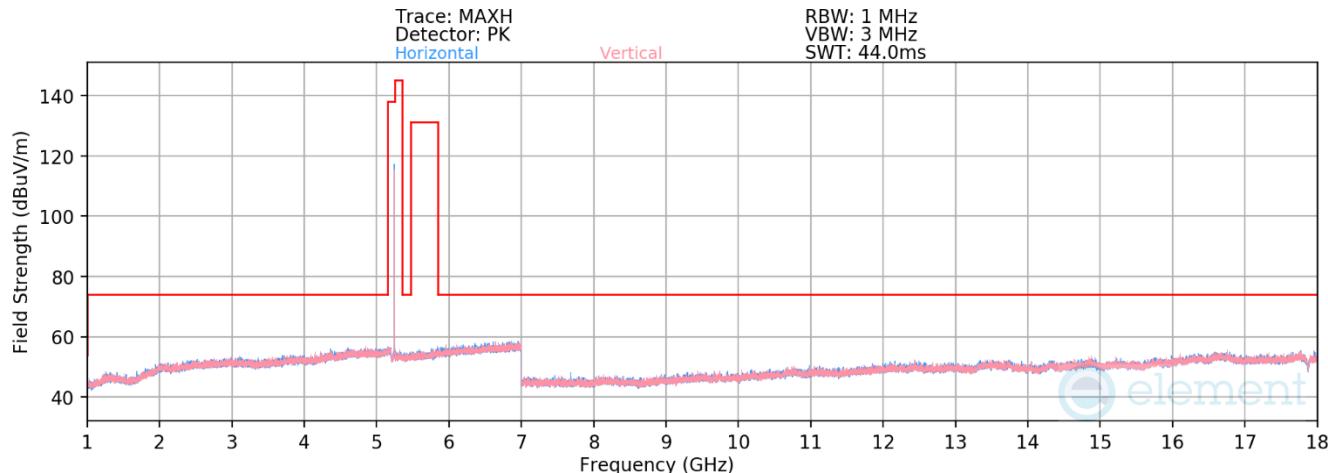
Plot 7-68. Radiated Spurious Emissions 1-18GHz Antenna 4a (BDR – 5204MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5204MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10408.00 | Peak | V | 198 | 214 | -70.77 | 12.26 | 48.49 | 68.20 | -19.71 |
| * 15612.00 | Average | H | - | - | -83.14 | 15.80 | 39.66 | 53.98 | -14.32 |
| * 15612.00 | Peak | H | - | - | -72.13 | 15.80 | 50.67 | 73.98 | -23.31 |

Table 7-23. Radiated Spurious Emissions Measurements Antenna 4a

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |



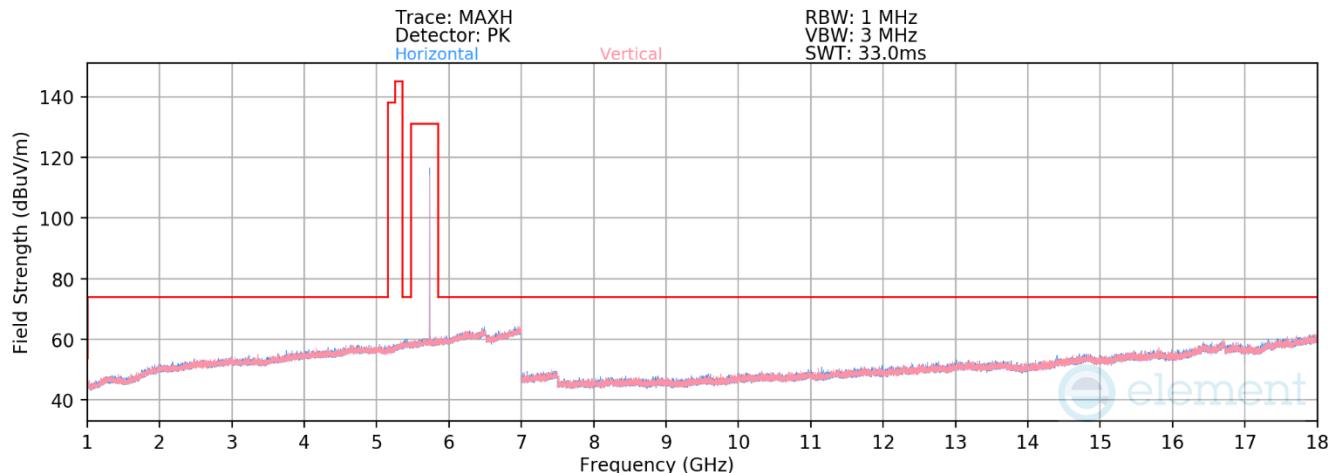
Plot 7-69. Radiated Spurious Emissions 1-18GHz Antenna 4a (BDR – 5245MHz)

| | |
|---------------------------|----------|
| Mode: | BDR |
| Data Rate: | 1Mbps |
| Power Scheme: | ePA |
| Distance of Measurements: | 3 Meters |
| Operating Frequency: | 5245MHz |

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10490.00 | Peak | H | - | - | -71.24 | 12.44 | 48.20 | 68.20 | -20.00 |
| * 15735.00 | Average | V | 114 | 38 | -81.33 | 16.72 | 42.39 | 53.98 | -11.59 |
| * 15735.00 | Peak | V | 114 | 38 | -70.73 | 16.72 | 52.99 | 73.98 | -20.99 |

Table 7-24. Radiated Spurious Emissions Measurements Antenna 4a

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |



Plot 7-70. Radiated Spurious Emissions 1-18GHz Antenna 4a (BDR – 5733MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5733MHz

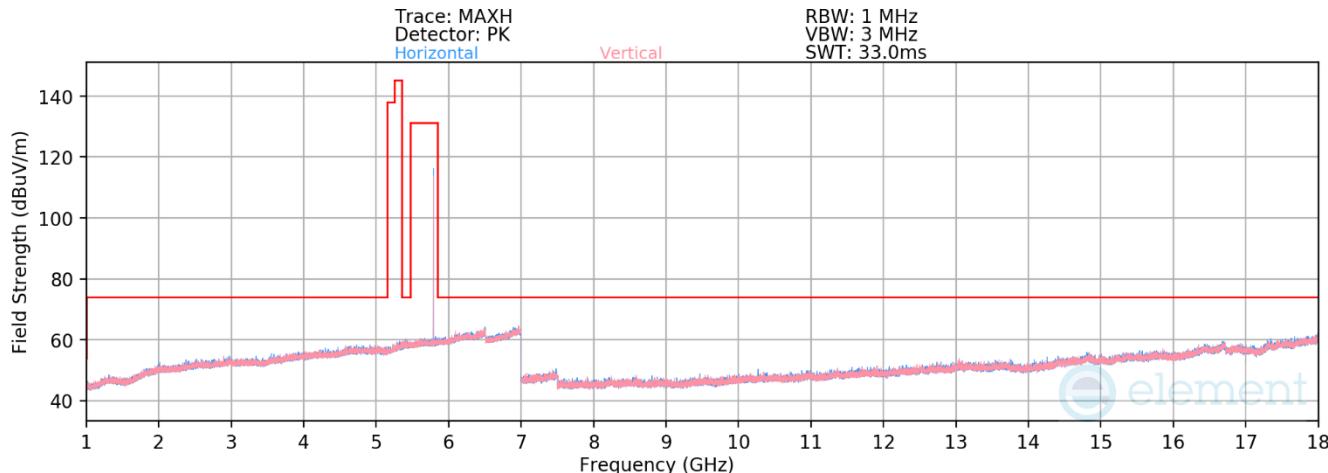
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11466.00 | Average | H | - | - | -83.72 | 13.30 | 36.58 | 53.98 | -17.40 |
| * 11466.00 | Peak | H | - | - | -72.48 | 13.30 | 47.82 | 73.98 | -26.16 |
| 17199.00 | Peak | H | - | - | -73.42 | 22.01 | 55.59 | 68.20 | -12.61 |

Table 7-25. Radiated Spurious Emissions Measurements Antenna 4a

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |

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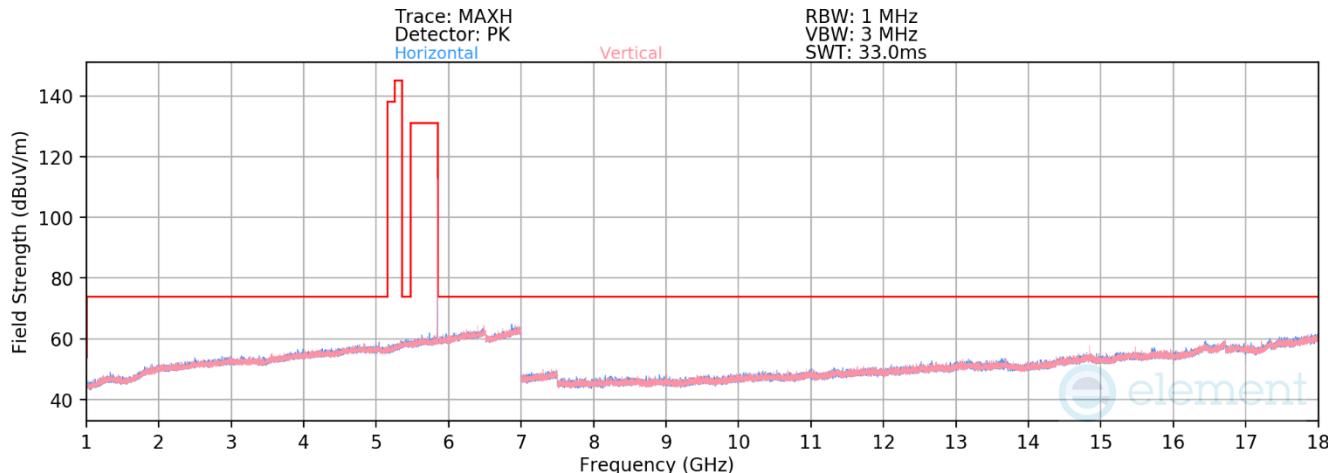
Plot 7-71. Radiated Spurious Emissions 1-18GHz Antenna 4a (BDR – 5789MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5789MHz

| 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] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11578.00 | Average | V | 250 | 280 | -83.98 | 13.45 | 36.47 | 53.98 | -17.51 |
| * 11578.00 | Peak | V | 250 | 280 | -71.37 | 13.45 | 49.08 | 73.98 | -24.90 |
| 17367.00 | Peak | H | - | - | -72.93 | 22.80 | 56.87 | 68.20 | -11.33 |

Table 7-26. Radiated Spurious Emissions Measurements Antenna 4a

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |



Plot 7-72. Radiated Spurious Emissions 1-18GHz Antenna 4a (BDR – 5844MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5844MHz

| 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] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11688.00 | Average | H | - | - | -83.94 | 13.74 | 36.80 | 53.98 | -17.18 |
| * 11688.00 | Peak | H | - | - | -72.23 | 13.74 | 48.51 | 73.98 | -25.47 |
| 17532.00 | Peak | H | - | - | -74.01 | 23.75 | 56.74 | 68.20 | -11.46 |

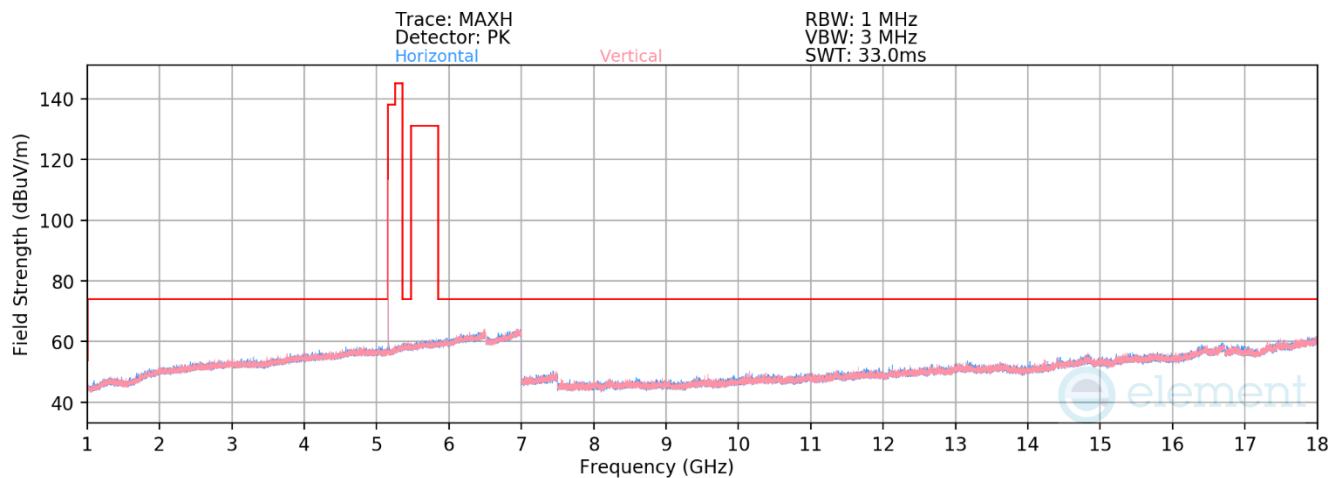
Table 7-27. Radiated Spurious Emissions Measurements Antenna 4a

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |

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7.6.3 TxBF Radiated Spurious Emission



Plot 7-73. Radiated Spurious Emissions 1-18GHz TxBF (BDR – 5162MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5162MHz

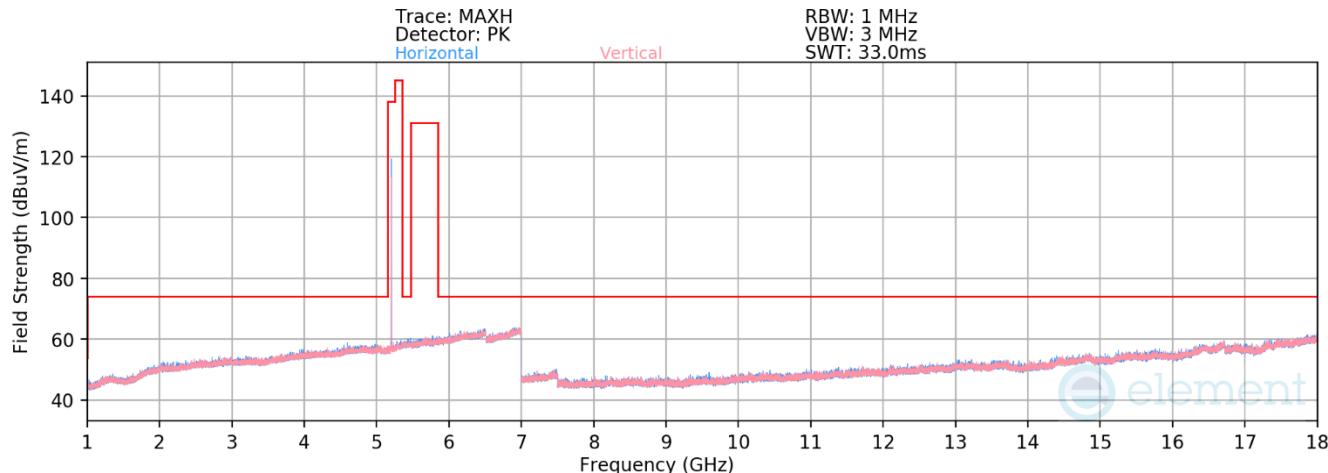
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBµV/m] | Limit [dBµV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10324.00 | Peak | H | - | - | -72.48 | 12.61 | 47.13 | 68.20 | -21.07 |
| * 15486.00 | Average | H | - | - | -85.25 | 18.42 | 40.17 | 53.98 | -13.81 |
| * 15486.00 | Peak | H | - | - | -73.55 | 18.42 | 51.87 | 73.98 | -22.11 |

Table 7-28. Radiated Spurious Emissions Measurements TxBF

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |

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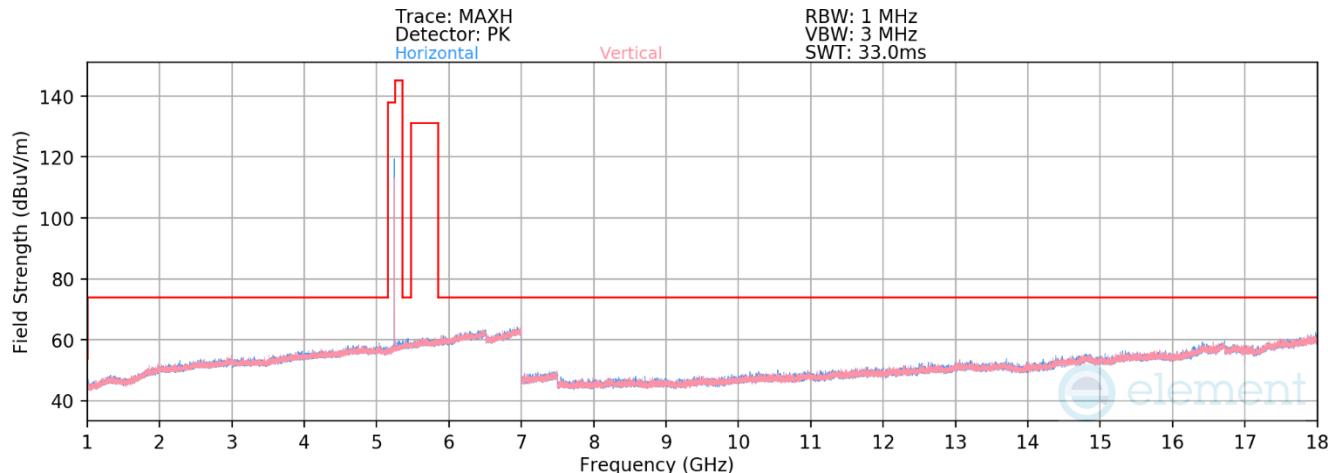
Plot 7-74. Radiated Spurious Emissions 1-18GHz TxBF (BDR – 5204MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5204MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10408.00 | Peak | H | - | - | -73.16 | 12.47 | 46.31 | 68.20 | -21.89 |
| * 15612.00 | Average | H | - | - | -85.41 | 18.40 | 39.99 | 53.98 | -13.99 |
| * 15612.00 | Peak | H | - | - | -74.60 | 18.40 | 50.80 | 73.98 | -23.18 |

Table 7-29. Radiated Spurious Emissions Measurements TxBF

| | | | |
|---|---|------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 78 of 101 |



Plot 7-75. Radiated Spurious Emissions 1-18GHz TxBF (BDR – 5245MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5245MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10490.00 | Peak | H | - | - | -72.86 | 12.68 | 46.82 | 68.20 | -21.38 |
| * 15735.00 | Average | H | - | - | -85.42 | 18.96 | 40.54 | 53.98 | -13.44 |
| * 15735.00 | Peak | H | - | - | -74.49 | 18.96 | 51.47 | 73.98 | -22.51 |

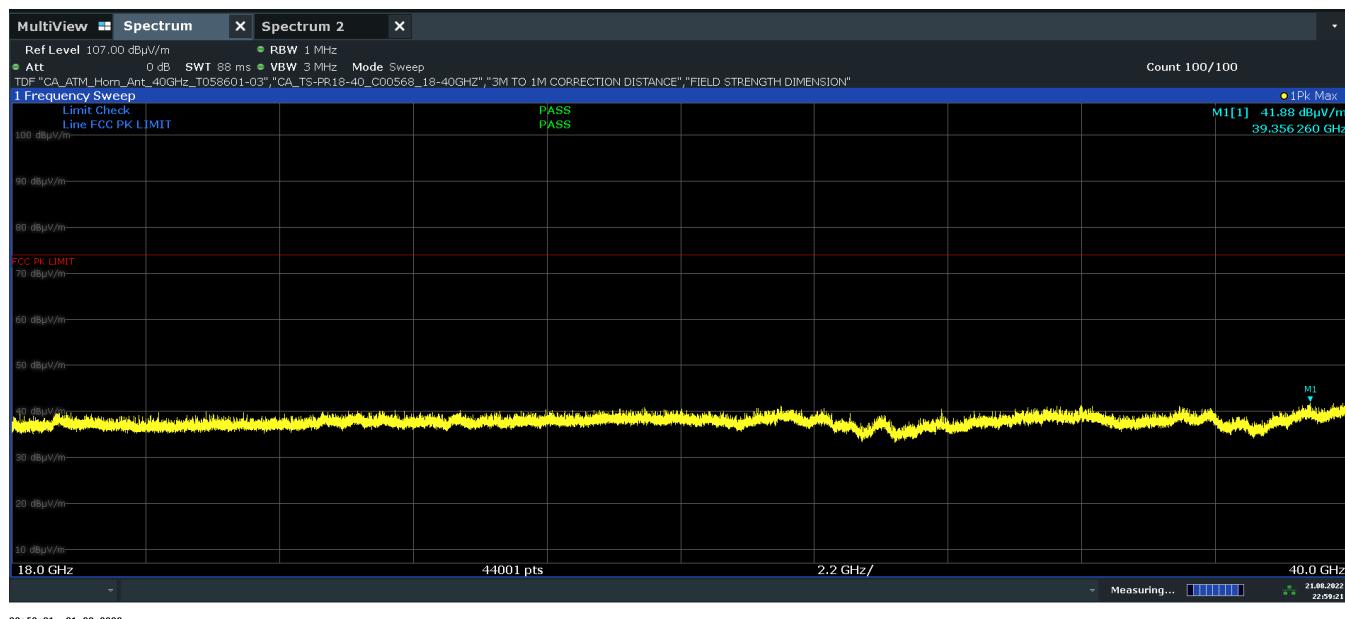
Table 7-30. Radiated Spurious Emissions Measurements TxBF

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |

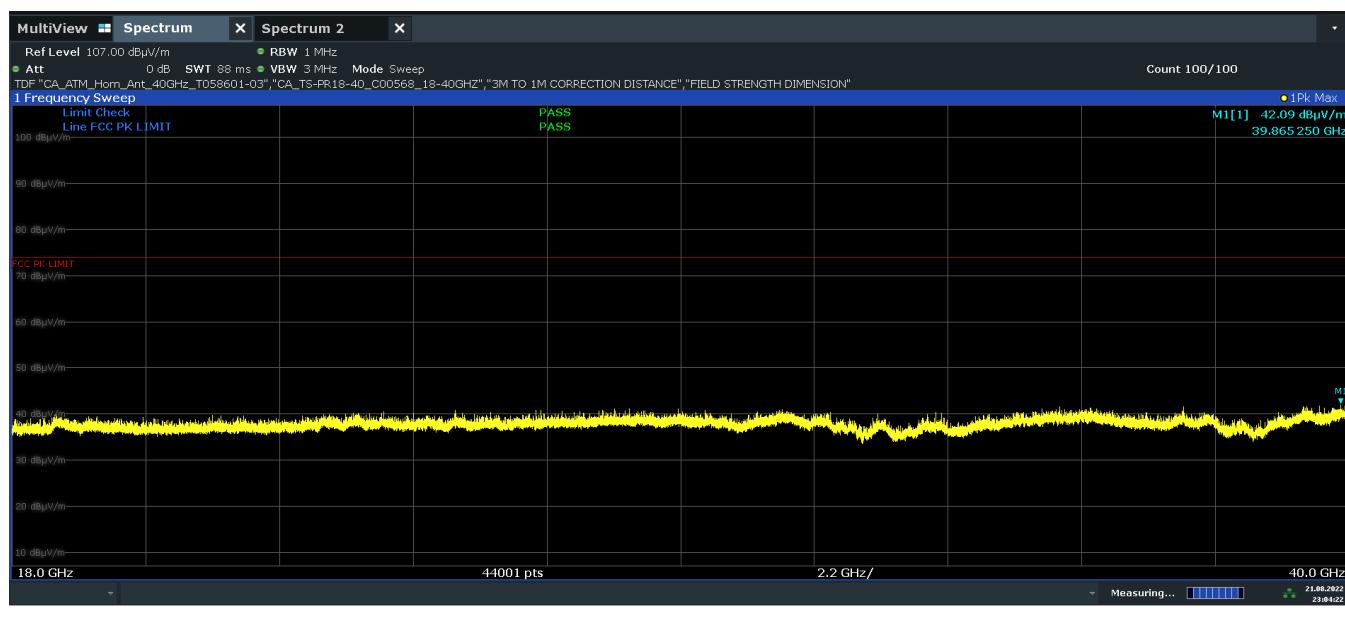
V 10.5 12/15/2021

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Radiated Spurious Emission (Above 18GHz)

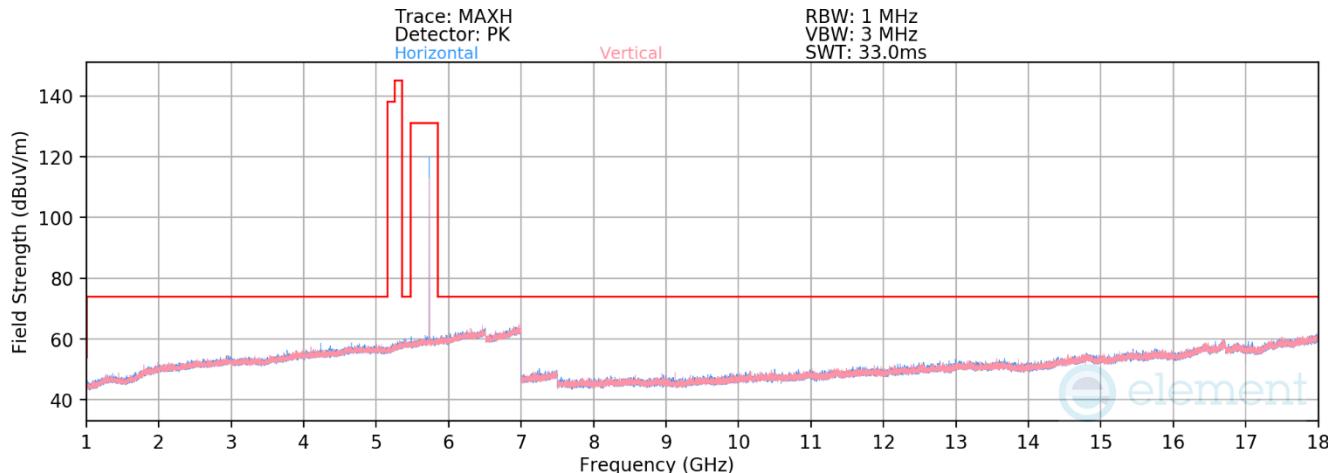


Plot 7-76. Radiated Spurious Emissions Above 18GHz TxBF (BDR – 5245MHz Pol. H)



Plot 7-77. Radiated Spurious Emissions Above 18GHz TxBF (BDR – 5245MHz Pol. V)

| | | | | |
|---|--|----------------------------|------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | Page 80 of 101 |



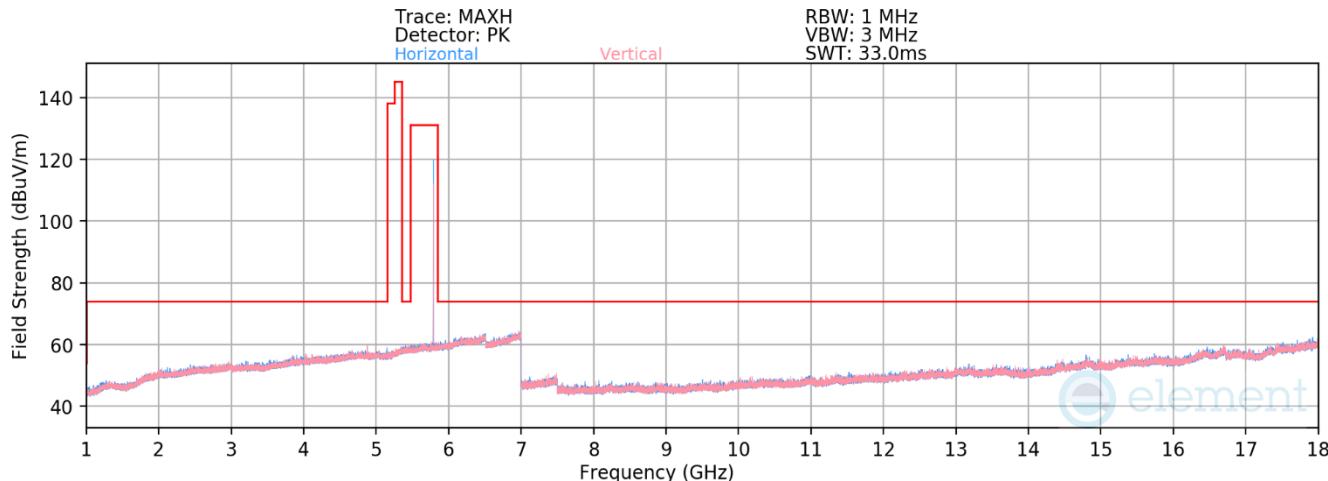
Plot 7-78. Radiated Spurious Emissions 1-18GHz TxBF (BDR – 5733MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5733MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11466.00 | Peak | H | - | - | -83.44 | 13.30 | 36.86 | 53.98 | -17.12 |
| * 11466.00 | Peak | H | - | - | -72.94 | 13.30 | 47.36 | 73.98 | -26.62 |
| 17199.00 | Peak | H | - | - | -73.79 | 22.01 | 55.22 | 68.20 | -12.98 |

Table 7-31. Radiated Spurious Emissions Measurements TxBF

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |



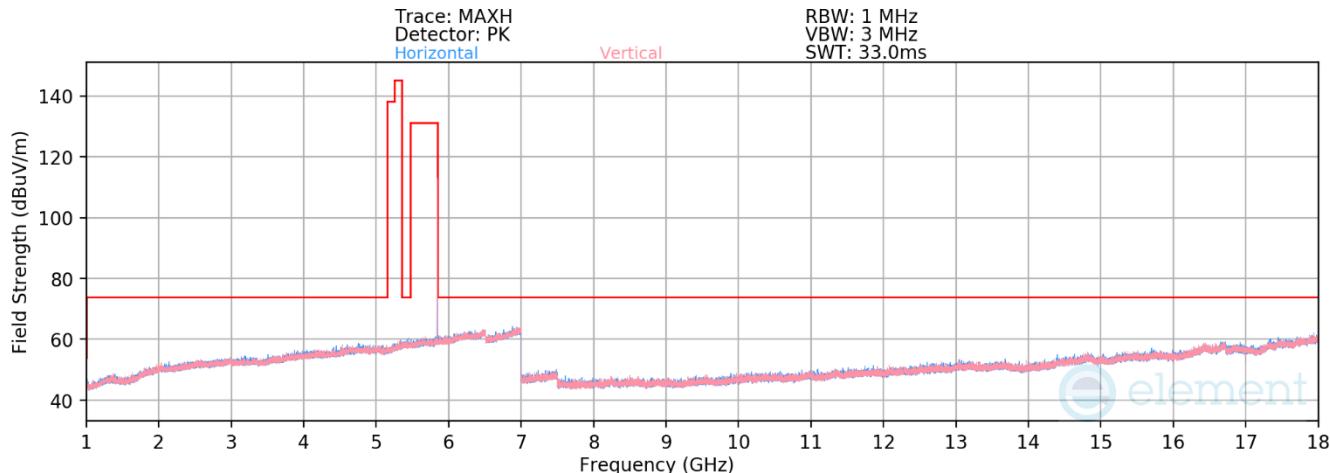
Plot 7-79. Radiated Spurious Emissions 1-18GHz TxBF (BDR – 5789MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5789MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11578.00 | Average | H | - | - | -84.31 | 13.45 | 36.14 | 53.98 | -17.84 |
| * 11578.00 | Peak | H | - | - | -73.98 | 19.43 | 52.45 | 73.98 | -21.53 |
| 17367.00 | Peak | H | - | - | -73.14 | 25.58 | 59.44 | 68.20 | -8.76 |

Table 7-32. Radiated Spurious Emissions Measurements TxBF

| | | | |
|---|---|------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 82 of 101 |



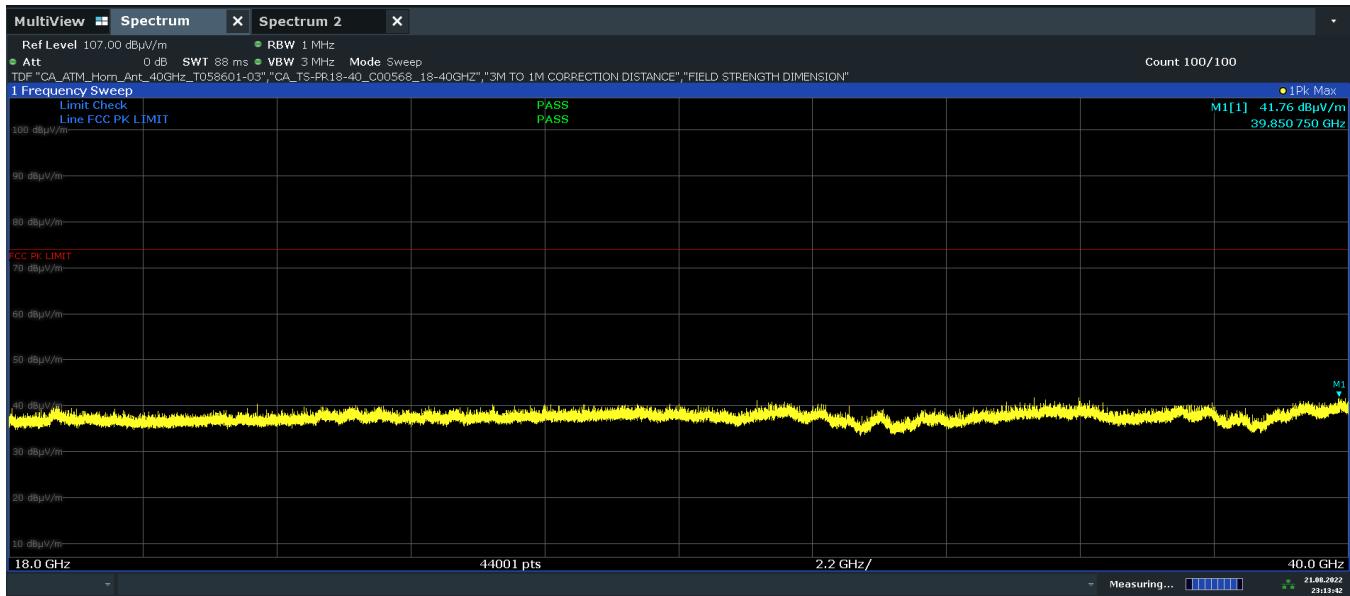
Plot 7-80. Radiated Spurious Emissions 1-18GHz TxBF (BDR – 5844MHz)

Mode: BDR
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5844MHz

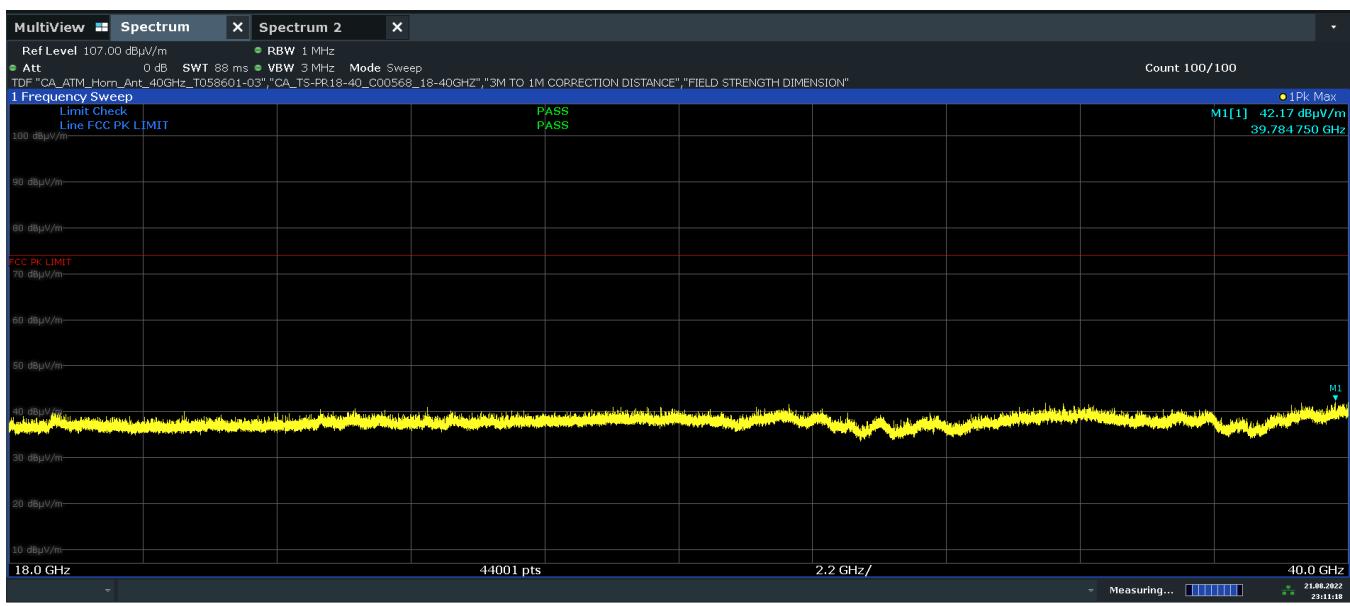
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11688.00 | Average | H | - | - | -83.98 | 13.74 | 36.76 | 53.98 | -17.22 |
| * 11688.00 | Peak | H | - | - | -73.59 | 13.74 | 47.15 | 73.98 | -26.83 |
| 17532.00 | Peak | H | - | - | -73.69 | 23.75 | 57.06 | 68.20 | -11.14 |

Table 7-33. Radiated Spurious Emissions Measurements TxBF

| | | | |
|---|---|------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 83 of 101 |



Plot 7-81. Radiated Spurious Emissions Above 18GHz TxBF (BDR – 5844MHz Pol. H)



Plot 7-82. Radiated Spurious Emissions Above 18GHz TxBF (BDR – 5844MHz Pol. V)

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 84 of 101 |

7.6.4 Radiated Band Edge Measurements

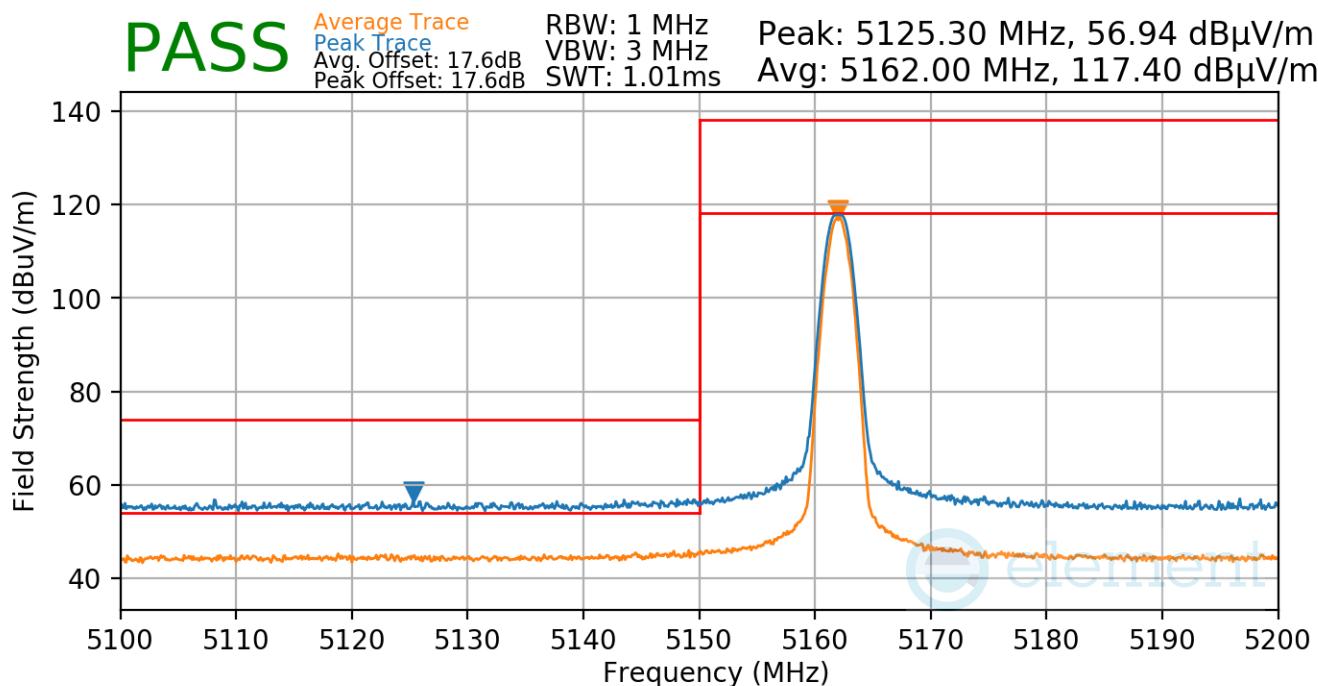
§15.407(b.1)(b.2) §15.205 §15.209

Antenna 5b

The amplitude offset shown in the following plots for average measurements was calculated using the formula:

$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

Mode: BDR
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5162MHz

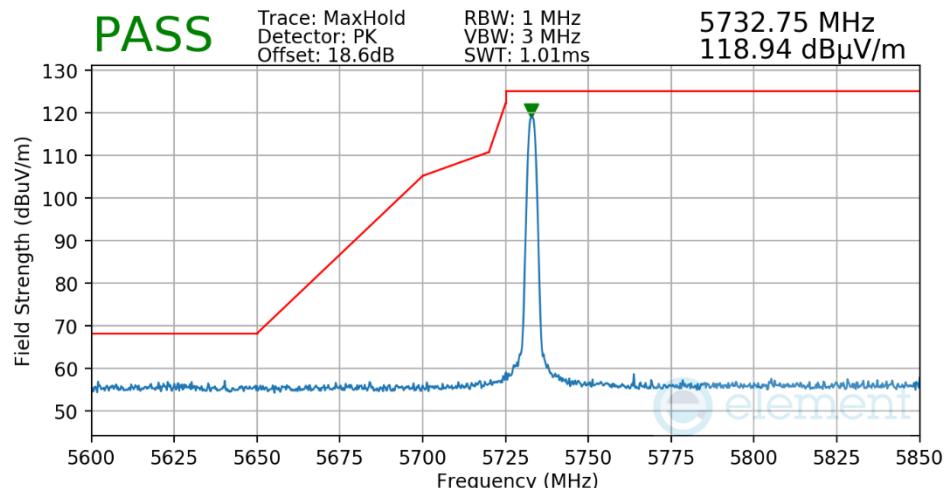


Plot 7-83. Radiated Lower Band Edge Measurement Antenna 5b

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 85 of 101 |

Mode:
Power Scheme
Measurement Distance:
Operating Frequency:

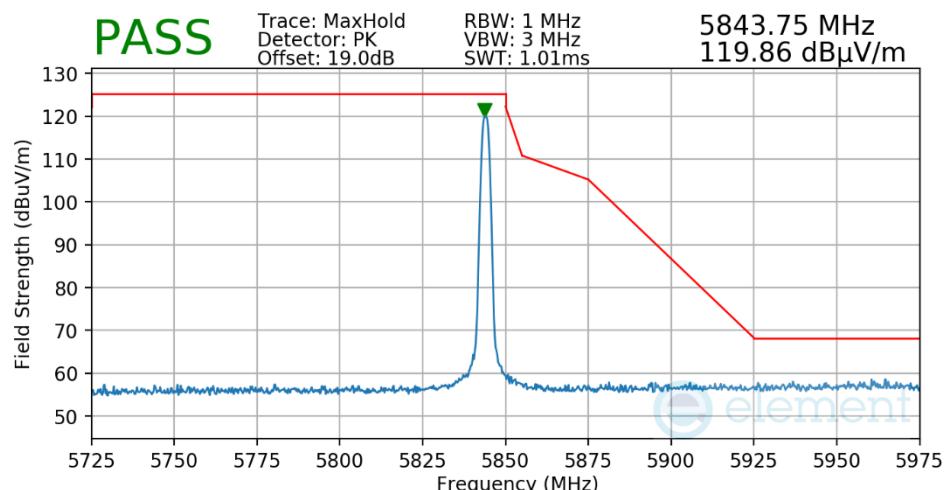
BDR
ePA
3 Meters
5733MHz



Plot 7-84. Radiated Lower Band Edge Measurement Antenna 5b

Mode:
Power Scheme
Measurement Distance:
Operating Frequency:

BDR
ePA
3 Meters
5844MHz



Plot 7-85. Radiated Upper Band Edge Measurement Antenna 5b

| | | | | |
|---|---|---------------------------------------|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | Page 86 of 101 |

Radiated Band Edge Measurements

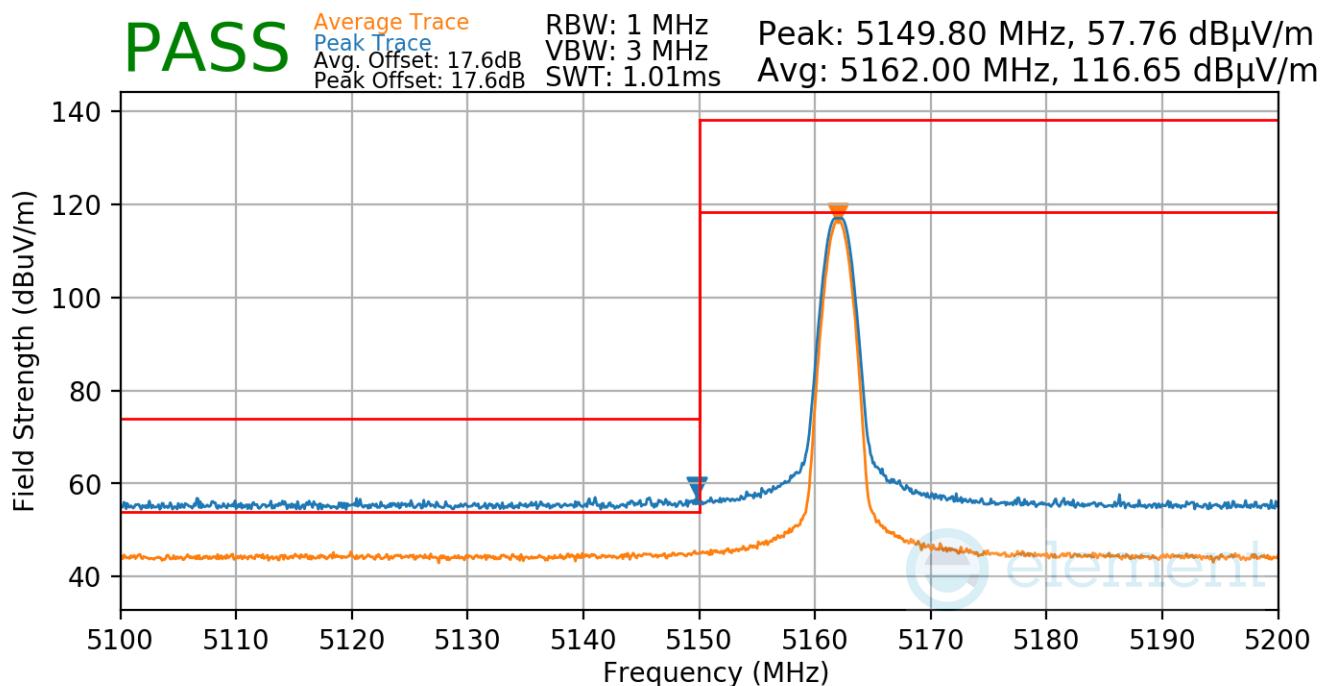
§15.407(b.1)(b.2) §15.205 §15.209

Antenna 4a

The amplitude offset shown in the following plots for average measurements was calculated using the formula:

$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

Mode: BDR
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5162MHz

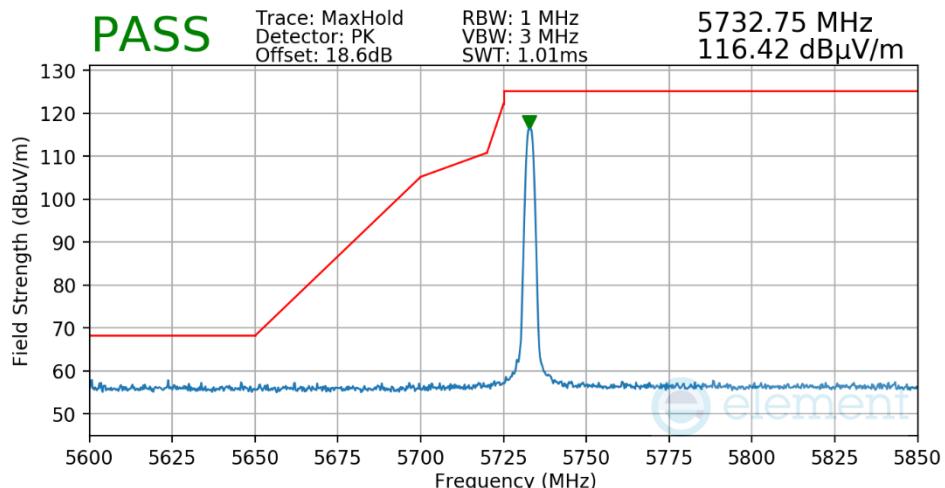


Plot 7-86. Radiated Lower Band Edge Measurement Antenna 4a

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 87 of 101 |

Mode:
Power Scheme
Measurement Distance:
Operating Frequency:

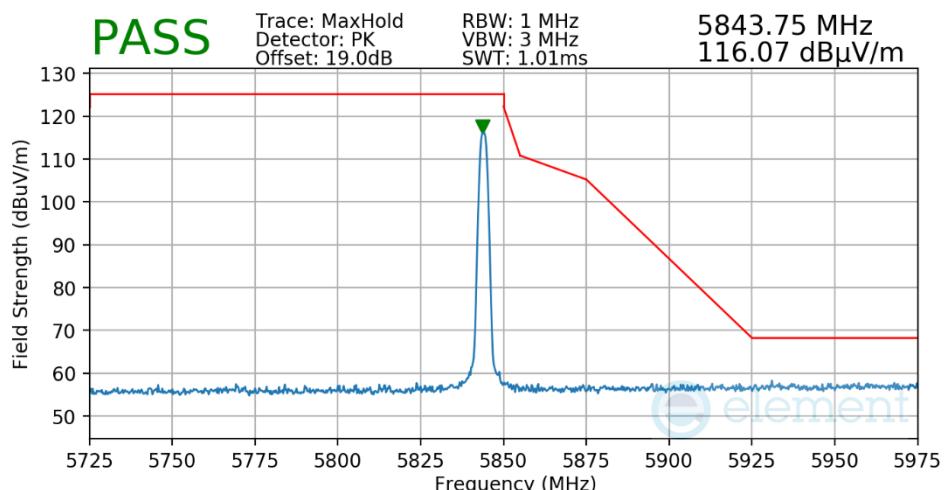
BDR
ePA
3 Meters
5733MHz



Plot 7-87. Radiated Lower Band Edge Measurement Antenna 4a

Mode:
Power Scheme
Measurement Distance:
Operating Frequency:

BDR
ePA
3 Meters
5844MHz



Plot 7-88. Radiated Upper Band Edge Measurement Antenna 4a

| | | | | |
|---|---|---------------------------------------|--|-----------------------------------|
| FCC ID: BCGA2435 |  | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | Page 88 of 101 |

Radiated Band Edge Measurements

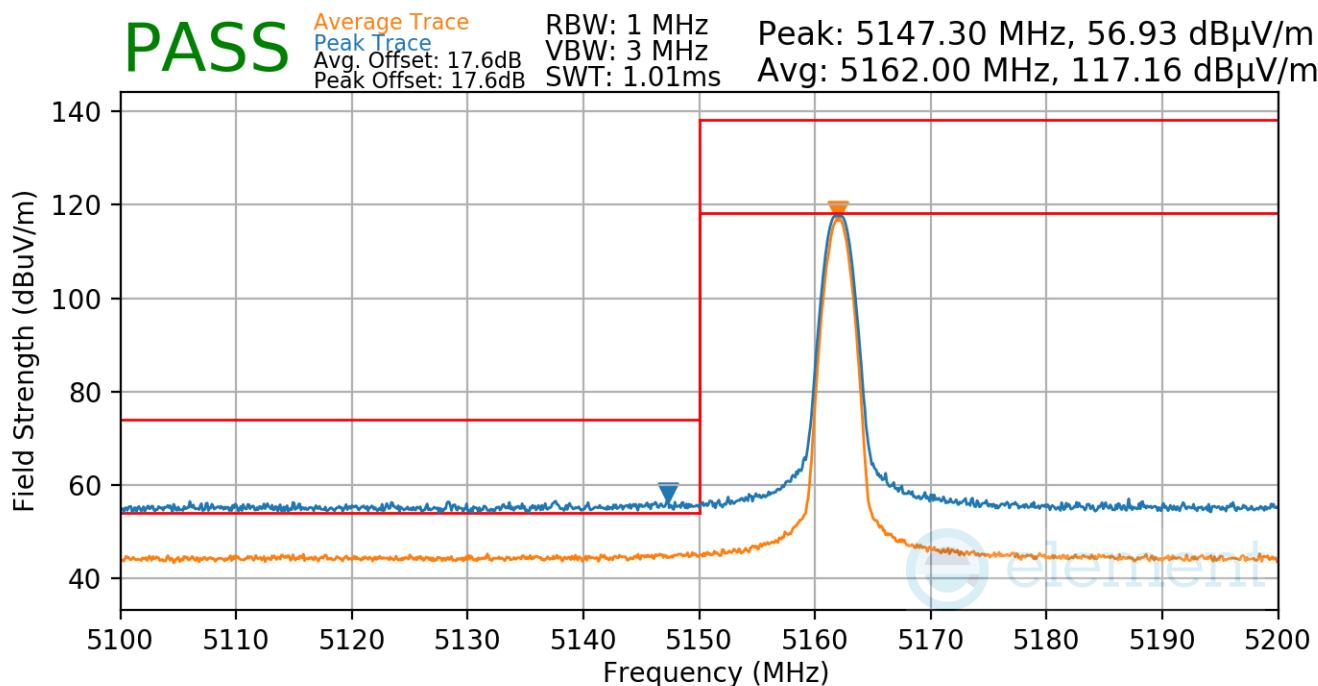
§15.407(b.1)(b.2) §15.205 §15.209

TxBF

The amplitude offset shown in the following plots for average measurements was calculated using the formula:

$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

Mode: BDR
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5162MHz

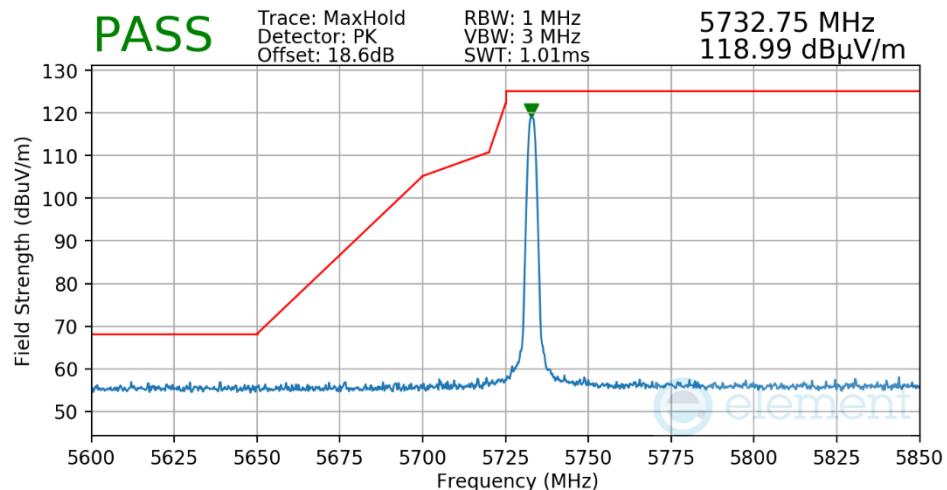


Plot 7-89. Radiated Lower Band Edge Measurement TxBF

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 89 of 101 |

Mode:
Power Scheme
Measurement Distance:
Operating Frequency:

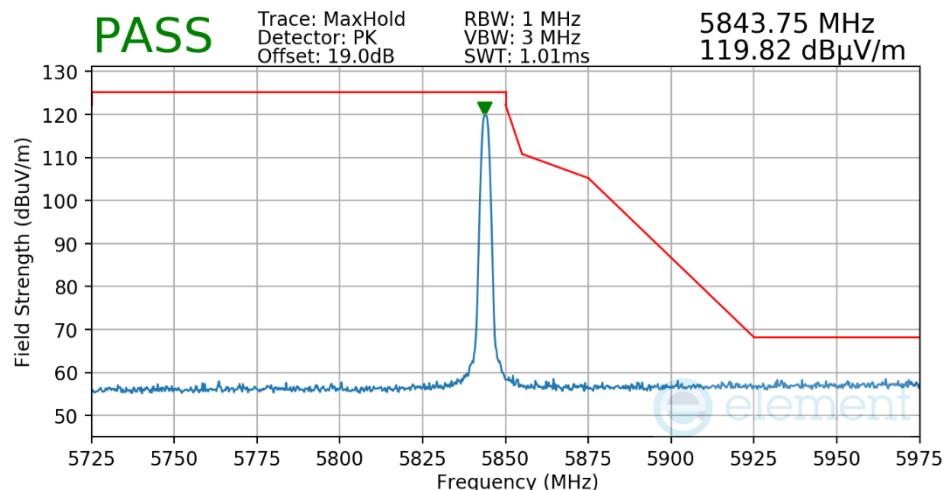
BDR
ePA
3 Meters
5733MHz



Plot 7-90. Radiated Lower Band Edge Measurement TxBF

Mode:
Power Scheme
Measurement Distance:
Operating Frequency:

BDR
ePA
3 Meters
5844MHz



Plot 7-91. Radiated Upper Band Edge Measurement TxBF

| | | | | |
|---|---|---------------------------------------|--|-----------------------------------|
| FCC ID: BCGA2435 |  | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | Page 90 of 101 |

7.7 Radiated Spurious Emissions – Below 1GHz

§15.209

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 must not exceed the limits shown in Table 7-34 per Section 15.209.

| Frequency | Field Strength [μ V/m] | Measured Distance [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 7-34. 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 = 120kHz (for emissions from 30MHz – 1GHz)
3. VBW = 300kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

| | | | | |
|---|---|----------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | Page 91 of 101 |

Test Setup

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

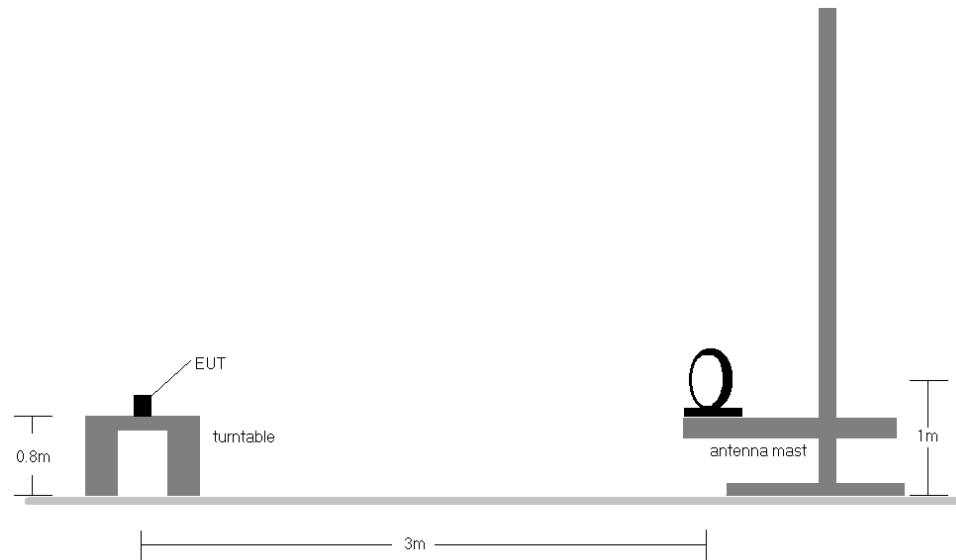


Figure 7-6. Radiated Test Setup < 30MHz

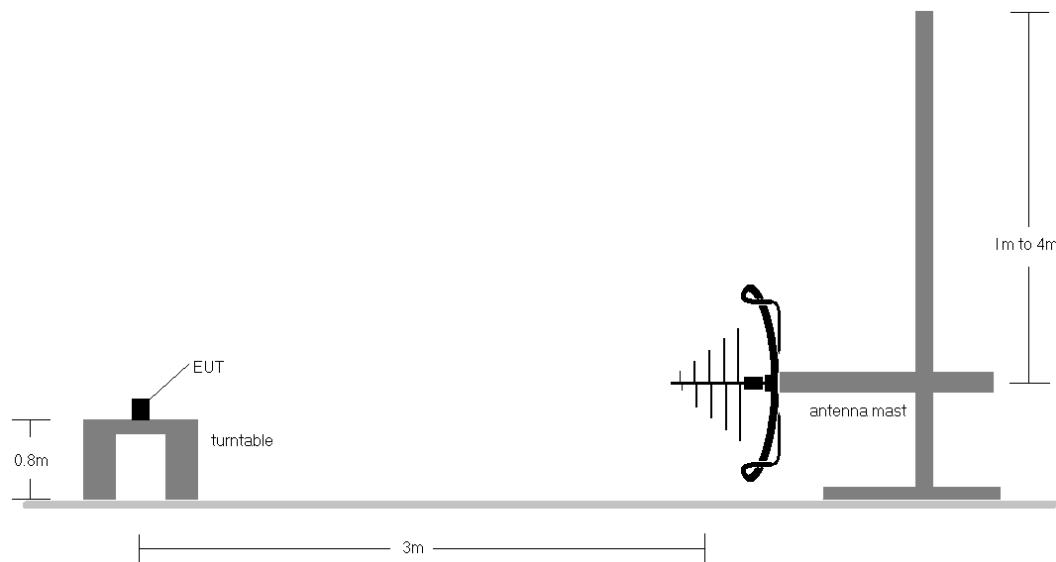


Figure 7-7. Radiated Test Setup < 1GHz

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 92 of 101 |

Test Notes

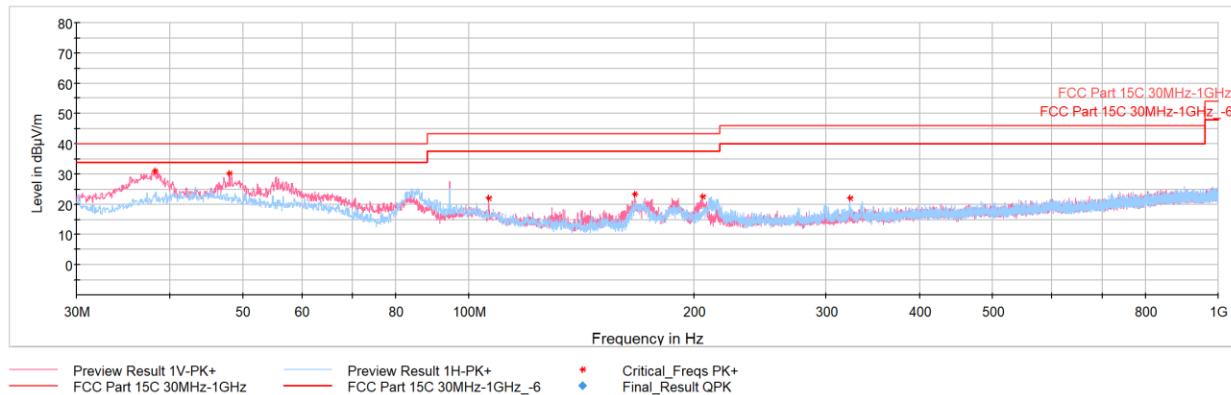
1. All emissions lying in restricted bands specified in §15.205 are below the limit shown in Table 7-34.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna 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 for emissions within 6dB of the limit.
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. 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.
9. All supported modulation, antenna (including TxBF mode) and power schemes have been tested on the unit and only worst case configuration is reported.
10. 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

Sample Calculations

Determining Spurious Emissions Levels

- o Field Strength Level $[\text{dB}_{\mu\text{V/m}}]$ = Analyzer Level $[\text{dBm}] + 107 + \text{AFCL} [\text{dB/m}]$
- o $\text{AFCL} [\text{dB/m}] = \text{Antenna Factor} [\text{dB/m}] + \text{Cable Loss} [\text{dB}] - \text{Preamplifier Gain} [\text{dB}]$
- o Margin $[\text{dB}] = \text{Field Strength Level} [\text{dB}_{\mu\text{V/m}}] - \text{Limit} [\text{dB}_{\mu\text{V/m}}]$

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 93 of 101 |

TxBF Radiated Spurious Emissions (Below 1GHz)
§15.209

Plot 7-92. RSE 30MHz - 1GHz TxBF (BDR GFSK ePA – 5245MHz), 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] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 38.20 | Max Peak | V | 100 | 15 | -58.10 | -17.91 | 30.99 | 40.00 | -9.01 |
| 47.99 | Max Peak | V | 100 | 143 | -61.24 | -15.44 | 30.32 | 40.00 | -9.68 |
| 106.48 | Max Peak | V | 100 | 328 | -66.52 | -18.56 | 21.92 | 43.52 | -21.60 |
| 166.58 | Max Peak | V | 100 | 94 | -63.38 | -20.21 | 23.41 | 43.52 | -20.11 |
| 205.33 | Max Peak | V | 100 | 138 | -66.36 | -18.18 | 22.46 | 43.52 | -21.06 |
| 322.84 | Max Peak | H | 100 | 240 | -70.39 | -14.48 | 22.13 | 46.02 | -23.89 |

Table 7-35. RSE 30MHz - 1GHz TxBF (BDR GFSK ePA – Ch. 84 – 5245MHz), with AC/DC Adapter

| | | | | | |
|---|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

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7.8 AC Line Conducted Emissions Measurement

§15.207

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. All data rates and modes were investigated for AC Line conducted spurious emissions.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207.

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

Table 7-36. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, Subclause 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: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 95 of 101 |

Test Setup

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

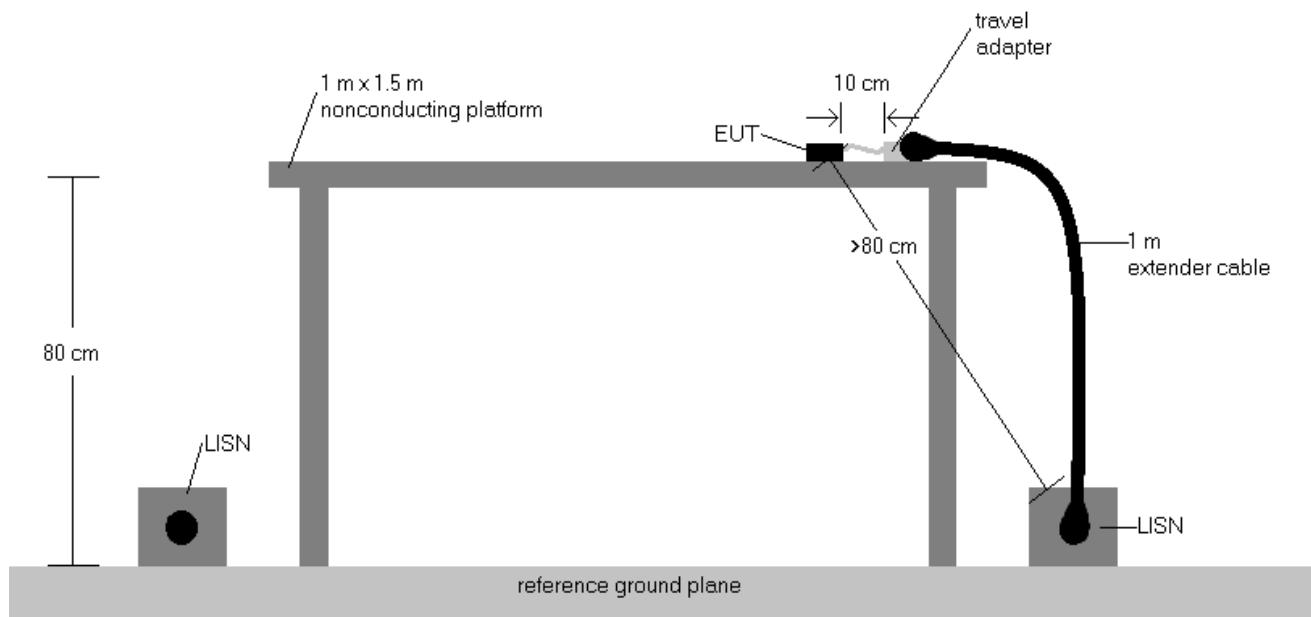
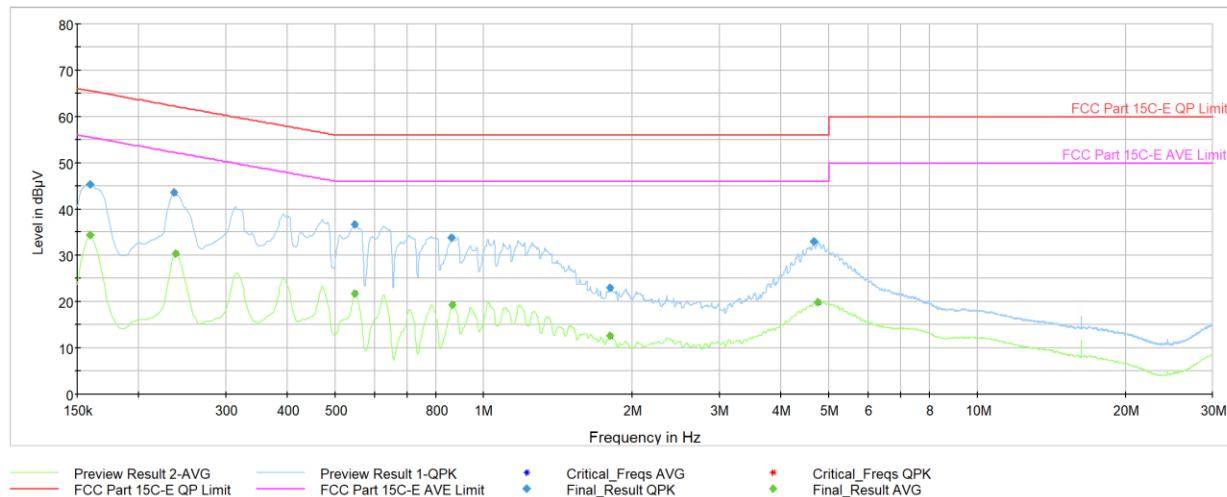


Figure 7-8. Test Instrument & Measurement Setup

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 15.207.
4. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
5. QP/AV Level (dB μ V) = QP/AV Analyzer/Receiver Level (dB μ V) + Correction Factor (dB)
6. Margin (dB) = QP/AV Level (dB μ V) - QP/AV Limit (dB μ V)
7. Traces shown in plots are made using quasi-peak and average detectors.
8. Deviations to the Specifications: None.

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 96 of 101 |

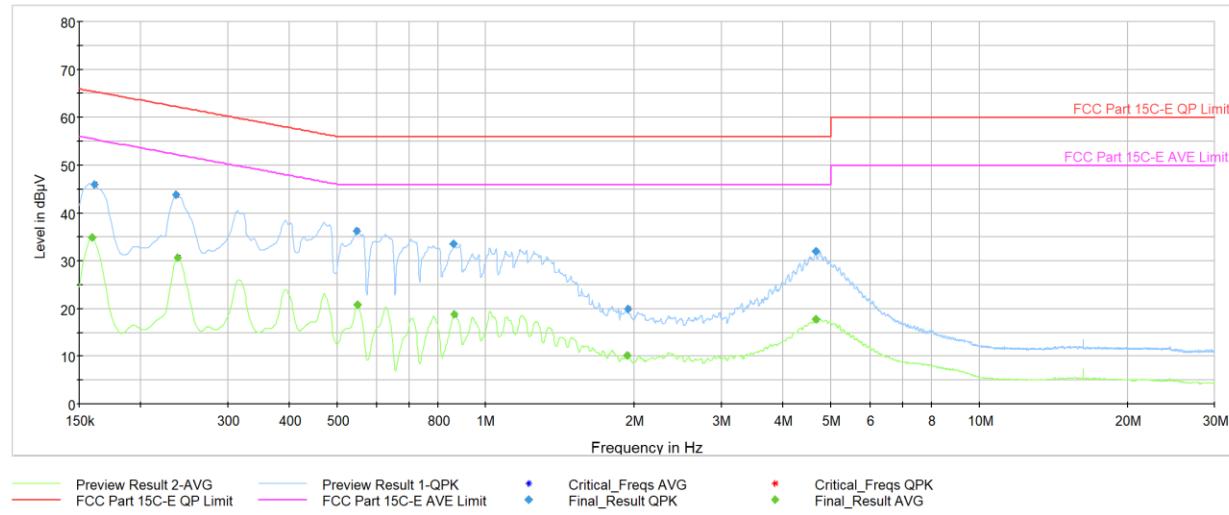


Plot 7-93. AC Line Conducted Plot (BDR GFSK ePA – 5245MHz) (L1) with AC/DC Adapter.

| Frequency [MHz] | Process State | QuasiPeak [dBμV] | Average [dBμV] | Limit [dBμV] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.159 | FINAL | — | 34.34 | 55.52 | -21.18 | L1 | GND |
| 0.159 | FINAL | 45.3 | — | 65.52 | -20.22 | L1 | GND |
| 0.236 | FINAL | 43.5 | — | 62.25 | -18.77 | L1 | GND |
| 0.238 | FINAL | — | 30.46 | 52.17 | -21.71 | L1 | GND |
| 0.548 | FINAL | — | 21.69 | 46.00 | -24.31 | L1 | GND |
| 0.548 | FINAL | 36.7 | — | 56.00 | -19.33 | L1 | GND |
| 0.861 | FINAL | 33.9 | — | 56.00 | -22.07 | L1 | GND |
| 0.863 | FINAL | — | 19.27 | 46.00 | -26.73 | L1 | GND |
| 1.799 | FINAL | 23.0 | — | 56.00 | -32.99 | L1 | GND |
| 1.802 | FINAL | — | 12.70 | 46.00 | -33.30 | L1 | GND |
| 4.664 | FINAL | 32.9 | — | 56.00 | -23.08 | L1 | GND |
| 4.758 | FINAL | — | 19.95 | 46.00 | -26.05 | L1 | GND |

Table 7-37. AC Line Conducted (BDR GFSK ePA – 5245MHz) (L1) with AC/DC Adapter

| | | | | |
|---|---|------------------------------------|--|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | Page 97 of 101 |



Plot 7-94. AC Line Conducted Plot (BDR GFSK ePA – 5245MHz) (N) with AC/DC Adapter

| Frequency [MHz] | Process State | QuasiPeak [dB μ V] | Average [dB μ V] | Limit [dB μ V] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------------|----------------------|--------------------|-------------|------|-----|
| 0.159 | FINAL | — | 34.94 | 55.52 | -20.58 | N | GND |
| 0.161 | FINAL | 45.9 | — | 65.40 | -19.47 | N | GND |
| 0.236 | FINAL | 43.8 | — | 62.25 | -18.48 | N | GND |
| 0.238 | FINAL | — | 30.61 | 52.17 | -21.57 | N | GND |
| 0.548 | FINAL | 36.2 | — | 56.00 | -19.76 | N | GND |
| 0.551 | FINAL | — | 20.79 | 46.00 | -25.21 | N | GND |
| 0.861 | FINAL | 33.5 | — | 56.00 | -22.48 | N | GND |
| 0.863 | FINAL | — | 18.86 | 46.00 | -27.14 | N | GND |
| 1.934 | FINAL | — | 10.19 | 46.00 | -35.81 | N | GND |
| 1.939 | FINAL | 20.0 | — | 56.00 | -36.00 | N | GND |
| 4.657 | FINAL | 32.1 | — | 56.00 | -23.94 | N | GND |
| 4.664 | FINAL | — | 17.76 | 46.00 | -28.24 | N | GND |

Table 7-38. AC Line Conducted (BDR GFSK ePA – 5245MHz) (N) with AC/DC Adapter

| | | | | |
|---|---|------------------------------------|----------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 98 of 101 | |

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device** **FCC ID: BCGA2435** is in compliance with is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | Page 99 of 101 |

9.0 APPENDIX A

Antenna gains provided by manufacturer.

| Frequency (MHz) | Horizontal (dBi) | Vertical (dBi) |
|-----------------|------------------|----------------|
| 5180 | 3.7 | 1.0 |
| 5260 | 3.6 | 0.9 |
| 5320 | 3.4 | 1.0 |
| 5500 | 3.1 | 0.4 |
| 5600 | 3.3 | -0.4 |
| 5700 | 3.5 | 0.2 |
| 5745 | 3.7 | 0.5 |
| 5785 | 3.7 | 1.0 |
| 5825 | 4.0 | 1.8 |
| 5955 | 4.2 | 2.4 |
| 6075 | 3.9 | 1.9 |
| 6135 | 3.9 | 1.5 |
| 6255 | 4.1 | 1.9 |
| 6375 | 4.2 | 1.8 |
| 6435 | 4.3 | 2.0 |
| 6555 | 3.4 | 1.4 |
| 6675 | 4.2 | 2.8 |
| 6735 | 4.1 | 3.3 |
| 6855 | 4.7 | 2.4 |
| 6975 | 4.2 | 2.0 |
| 7035 | 4.1 | 2.4 |
| 7115 | 4.1 | 3.0 |

Table 9-1. Antenna 5b Antenna Gain

| | | | | |
|---|--|----------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | Page 100 of 101 |

| Frequency (MHz) | Horizontal (dBi) | Vertical (dBi) |
|-----------------|------------------|----------------|
| 5180 | 1.5 | 2.4 |
| 5260 | 1.4 | 2.3 |
| 5320 | 2.0 | 2.8 |
| 5500 | 0.1 | 0.7 |
| 5600 | -0.5 | -0.1 |
| 5700 | -1.0 | 0.1 |
| 5745 | -1.1 | 0.3 |
| 5785 | -1.1 | -0.2 |
| 5825 | -2.1 | -0.1 |
| 5955 | -4.0 | -0.7 |
| 6075 | -3.7 | -0.9 |
| 6135 | -2.3 | -0.6 |
| 6255 | -1.1 | 0.6 |
| 6375 | -0.5 | 1.0 |
| 6435 | -0.3 | 1.2 |
| 6555 | -0.7 | -0.3 |
| 6675 | -1.9 | -1.6 |
| 6735 | -1.9 | -1.5 |
| 6855 | -2.4 | -2.7 |
| 6975 | -3.3 | -4.8 |
| 7035 | -4.9 | -5.9 |
| 7115 | -4.9 | -6.2 |

Table 9-2. Antenna 4a Antenna Gain

| | | | | |
|---|--|----------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2435 |  element | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090025-16.BCG | Test Dates: 6/7/2022 - 9/24/2022 | EUT Type: Tablet Device | | Page 101 of 101 |