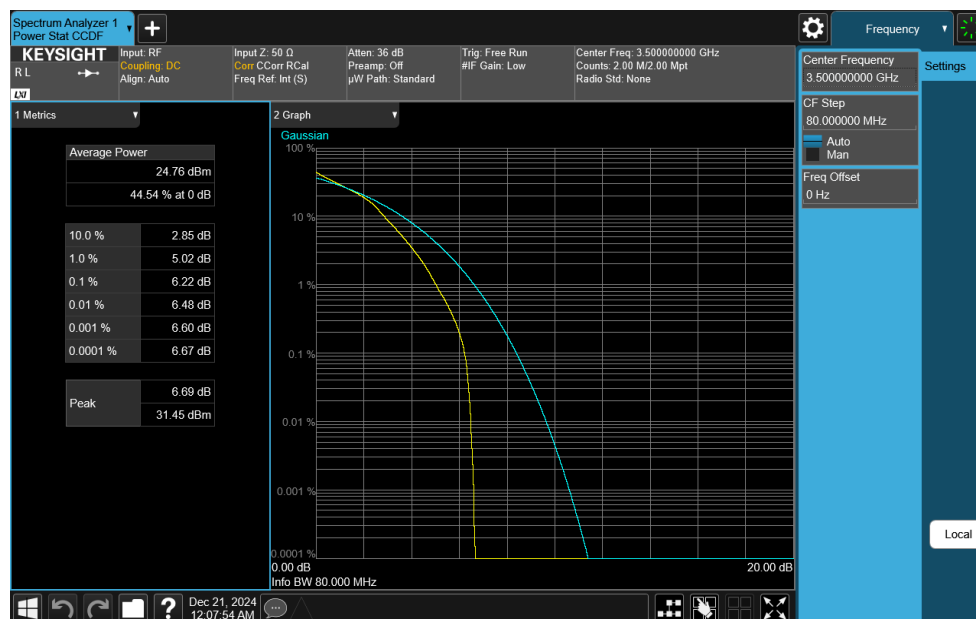
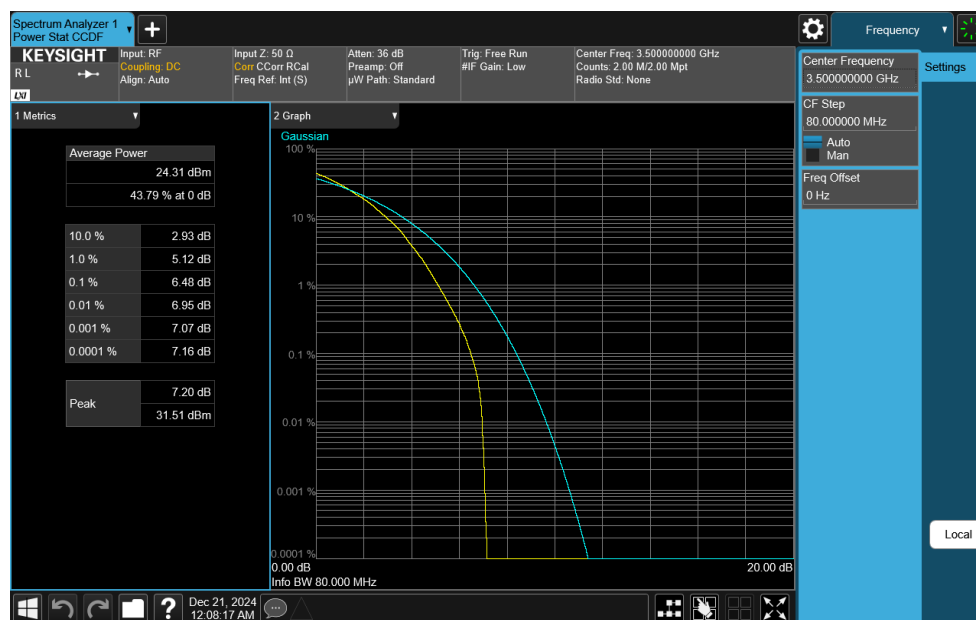




Plot 7-347. PAR Plot (NR Band n77 DoD-Band - 80MHz DFT-s-OFDM 16-QAM - Full RB)

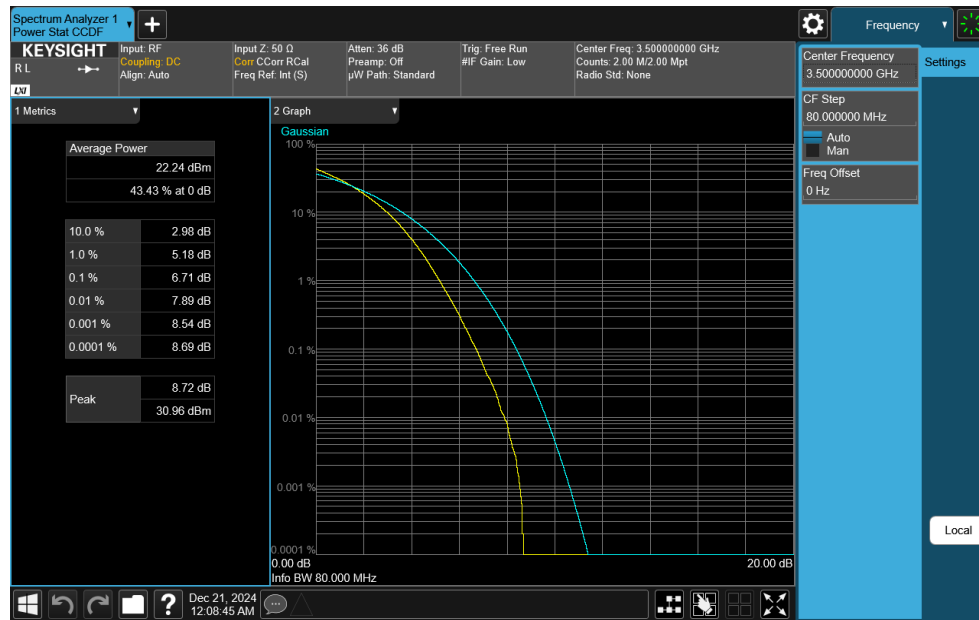


Plot 7-348. PAR Plot (NR Band n77 DoD-Band - 80MHz DFT-s-OFDM 64-QAM - Full RB)

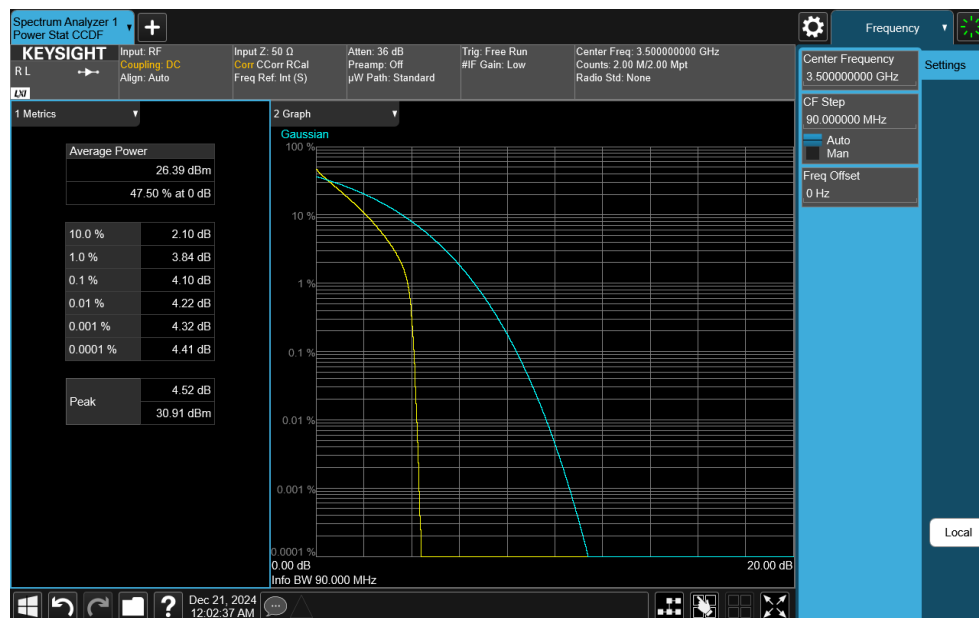
|                                            |                                      |                                   |
|--------------------------------------------|--------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | PART 27 MEASUREMENT REPORT           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device        |
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Plot 7-349. PAR Plot (NR Band n77 DoD-Band - 80MHz DFT-s-OFDM 256-QAM - Full RB)

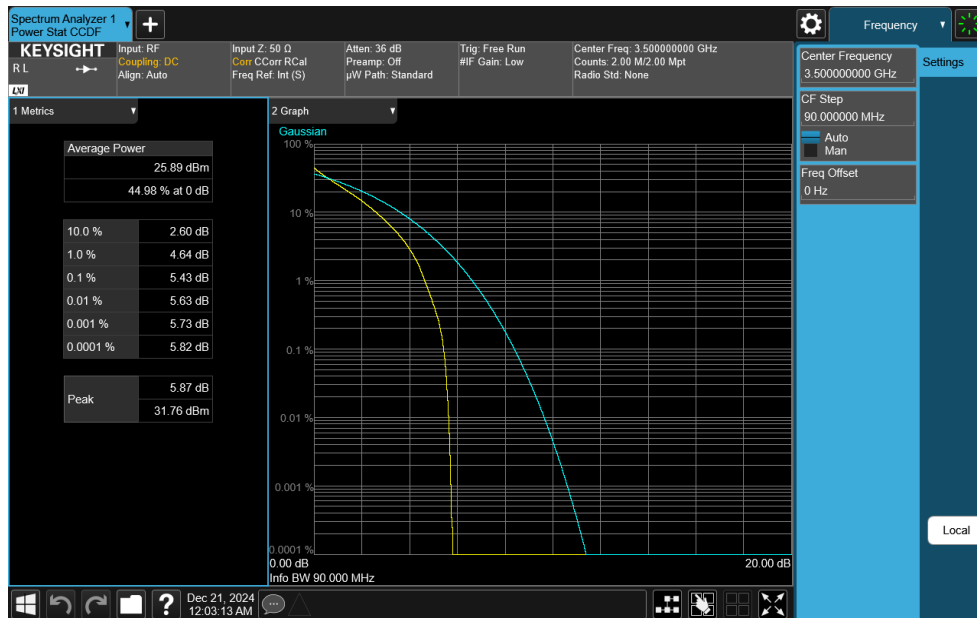


Plot 7-350. PAR Plot (NR Band n77 DoD-Band - 90MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

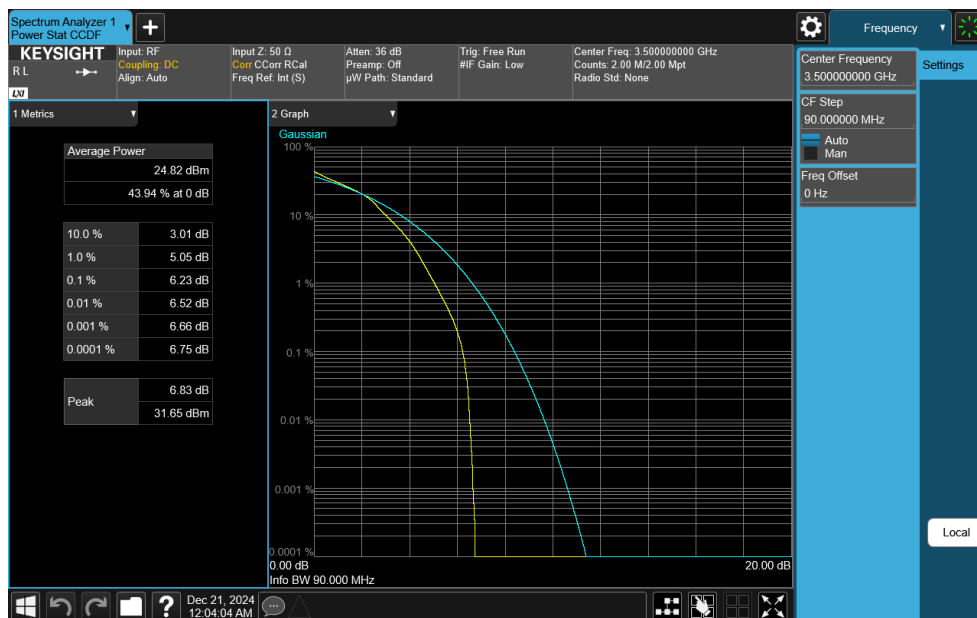
|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 198 of 265                   |

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Plot 7-351. PAR Plot (NR Band n77 DoD-Band - 90MHz DFT-s-OFDM QPSK - Full RB)

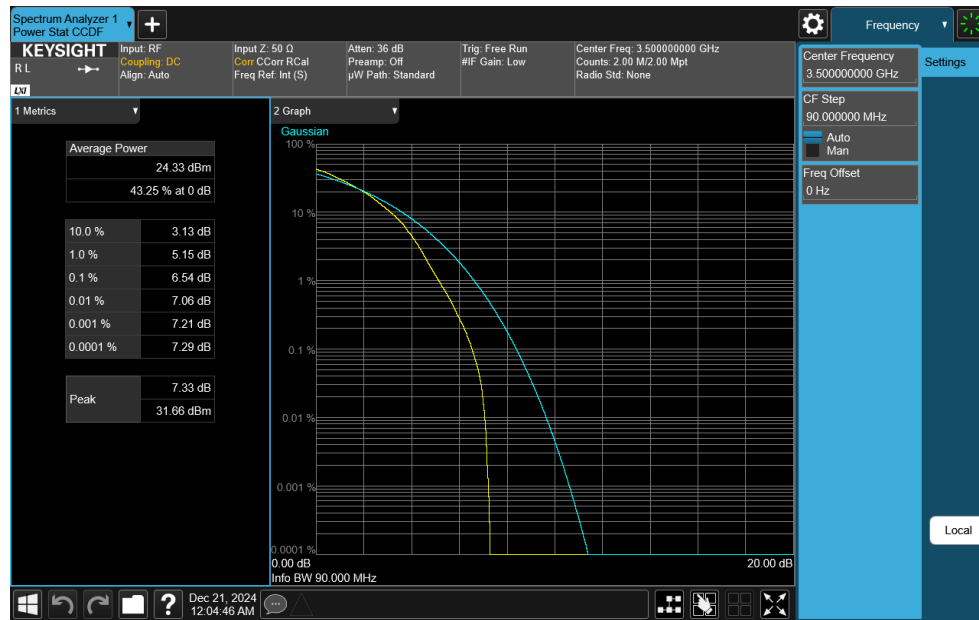


Plot 7-352. PAR Plot (NR Band n77 DoD-Band - 90MHz DFT-s-OFDM 16-QAM - Full RB)

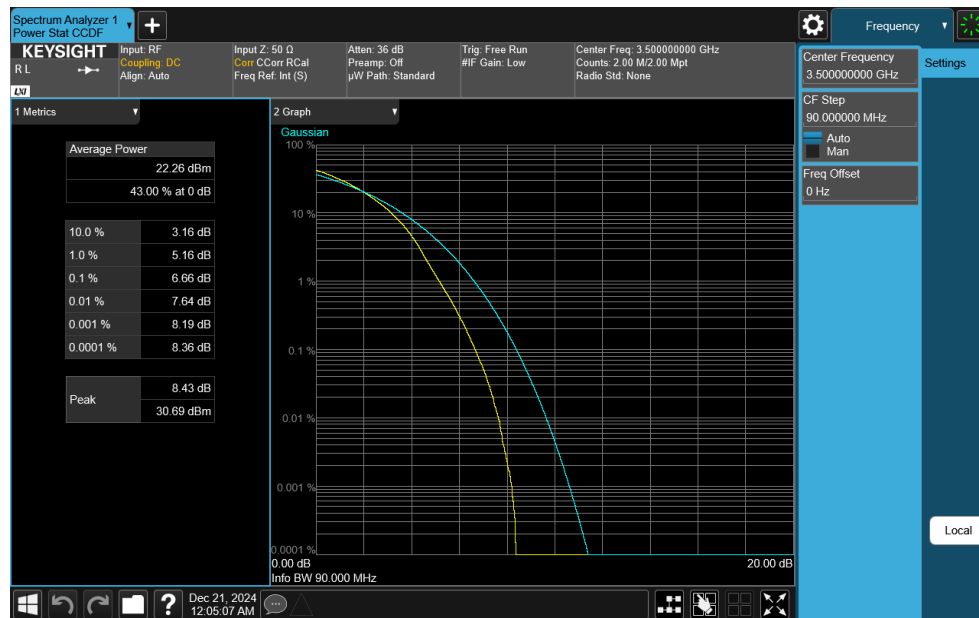
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 199 of 265                   |

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Plot 7-353. PAR Plot (NR Band n77 DoD-Band - 90MHz DFT-s-OFDM 64-QAM - Full RB)

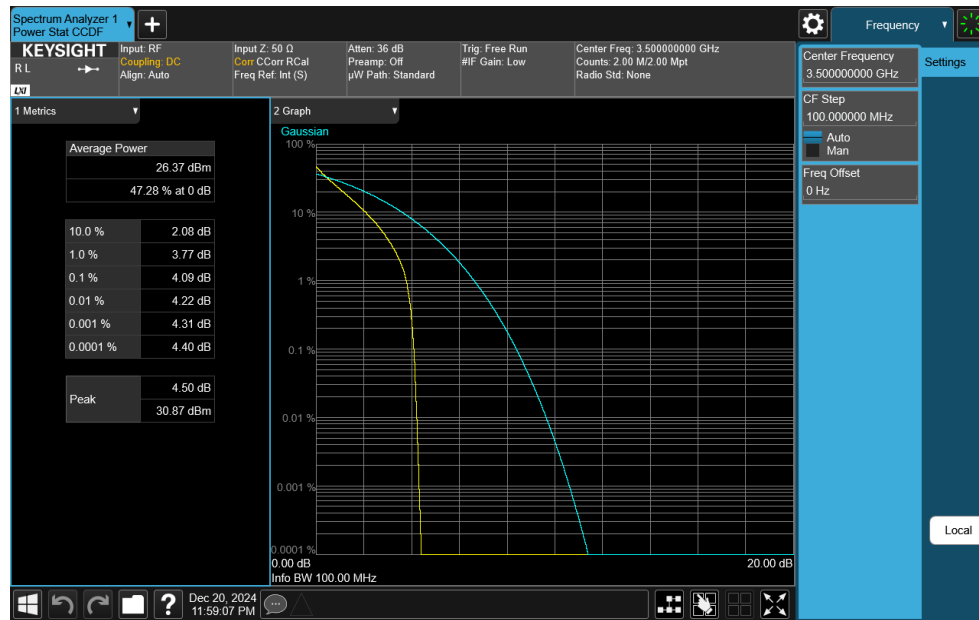


Plot 7-354. PAR Plot (NR Band n77 DoD-Band - 90MHz DFT-s-OFDM 256-QAM - Full RB)

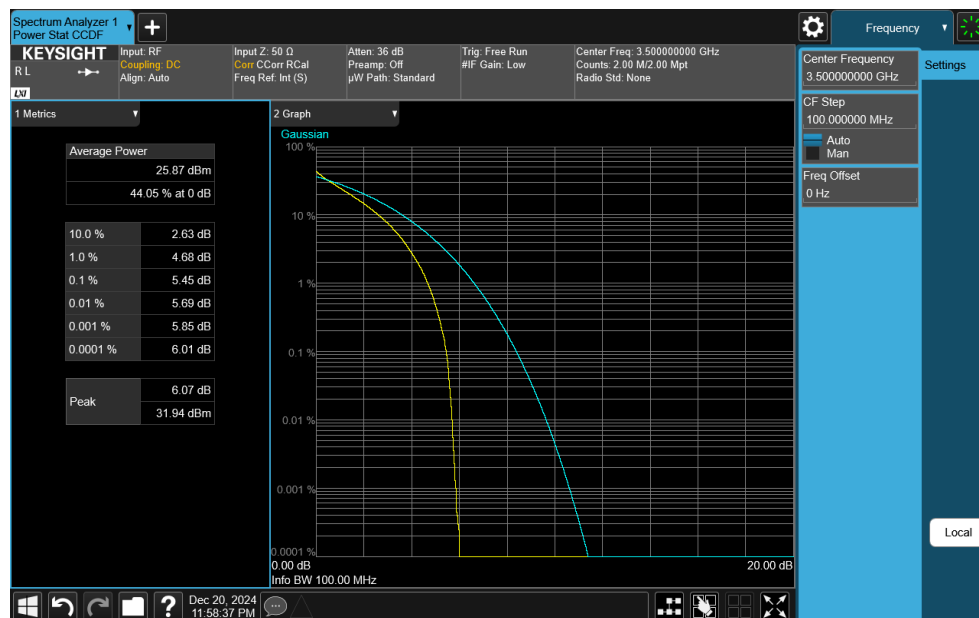
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 200 of 265                   |

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Plot 7-355. PAR Plot (NR Band n77 DoD-Band - 100MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

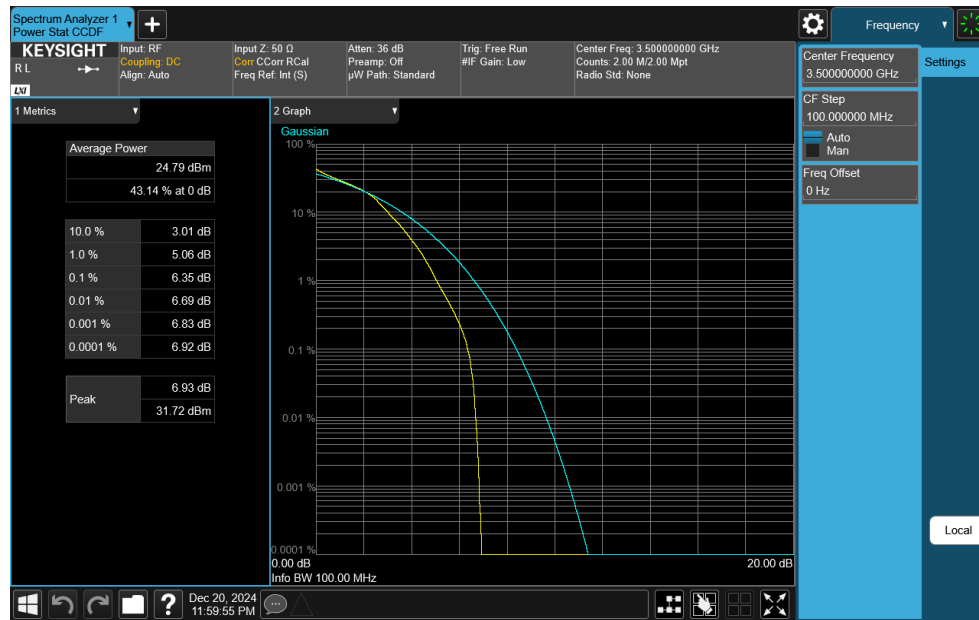


Plot 7-356. PAR Plot (NR Band n77 DoD-Band - 100MHz DFT-s-OFDM QPSK - Full RB)

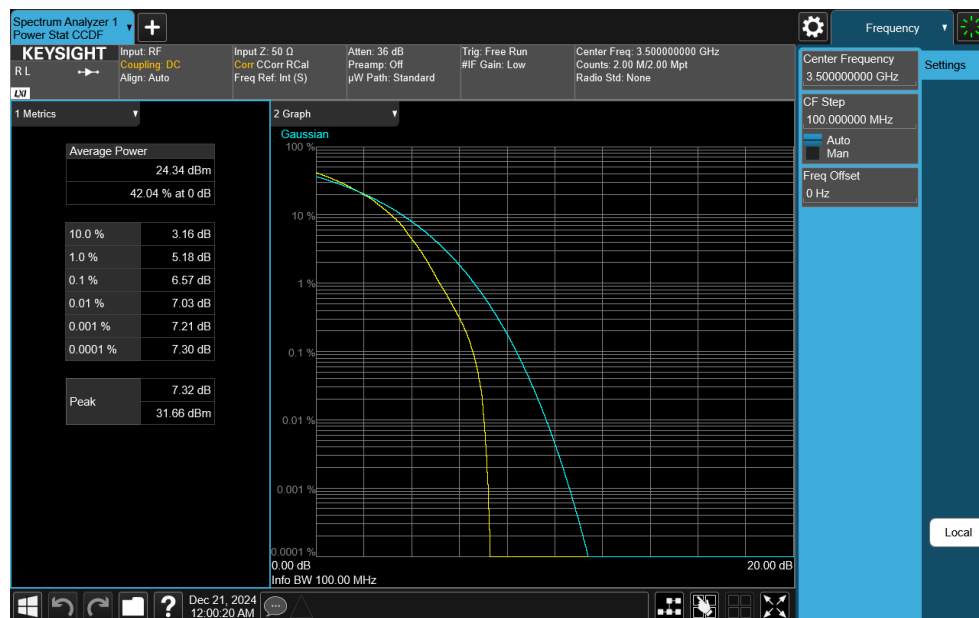
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 201 of 265                   |

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Plot 7-357. PAR Plot (NR Band n77 DoD-Band - 100MHz DFT-s-OFDM 16-QAM - Full RB)

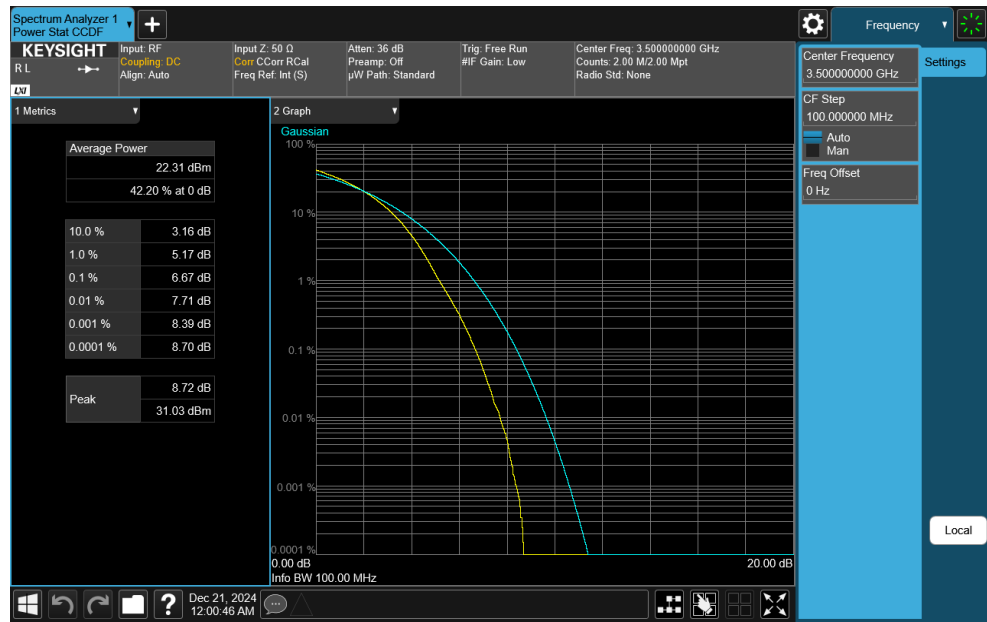


Plot 7-358. PAR Plot (NR Band n77 DoD-Band - 100MHz DFT-s-OFDM 64-QAM - Full RB)

|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 202 of 265                   |

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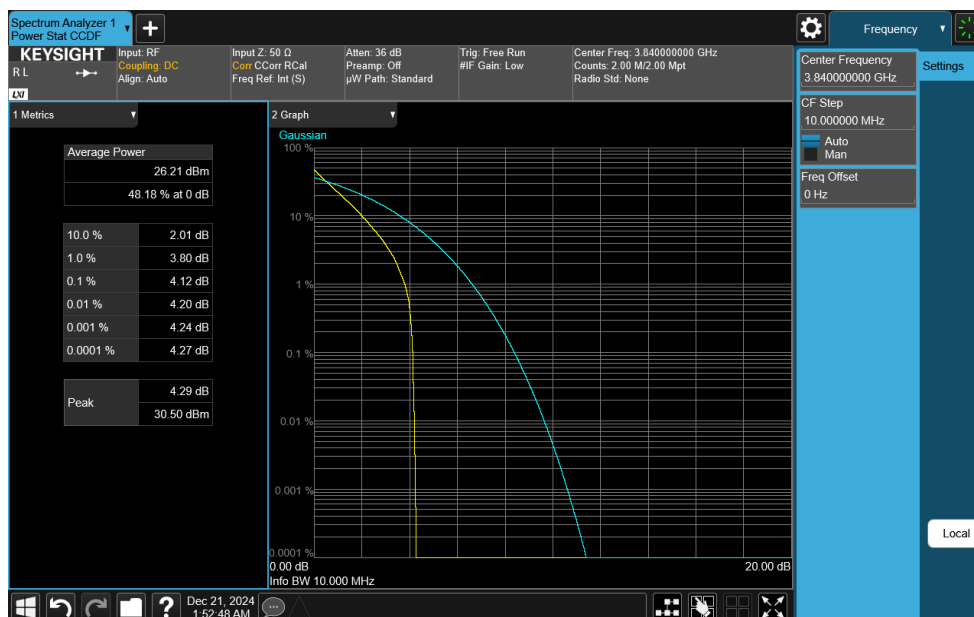
Plot 7-359. PAR Plot (NR Band n77 DoD-Band - 100MHz DFT-s-OFDM 256-QAM - Full RB)

|                                            |                                                                                                                |                            |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device | Page 203 of 265                   |

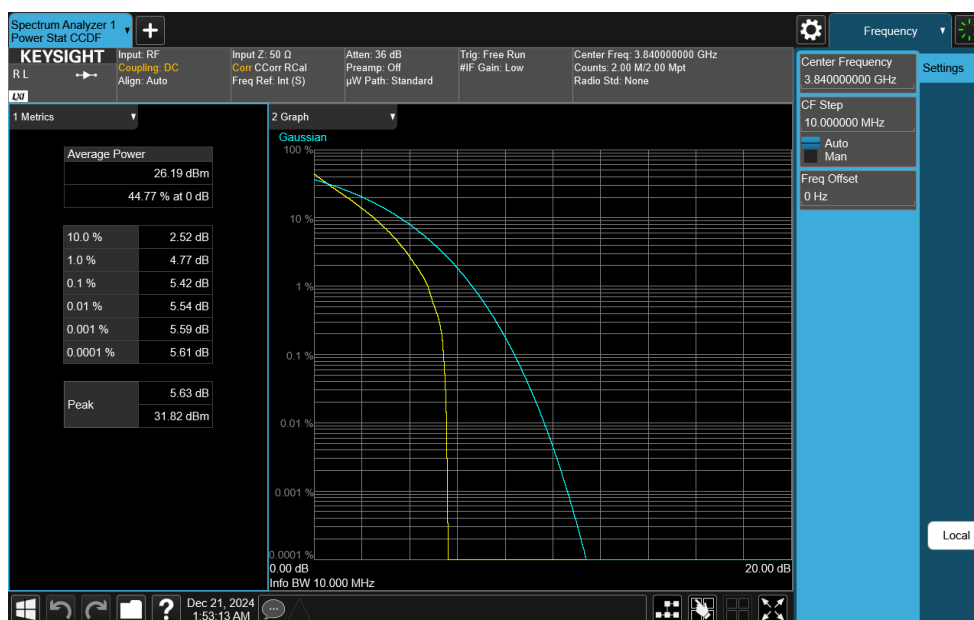
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## NR Band n77 C-Band



Plot 7-360. PAR Plot (NR Band n77 C-Band - 10MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)



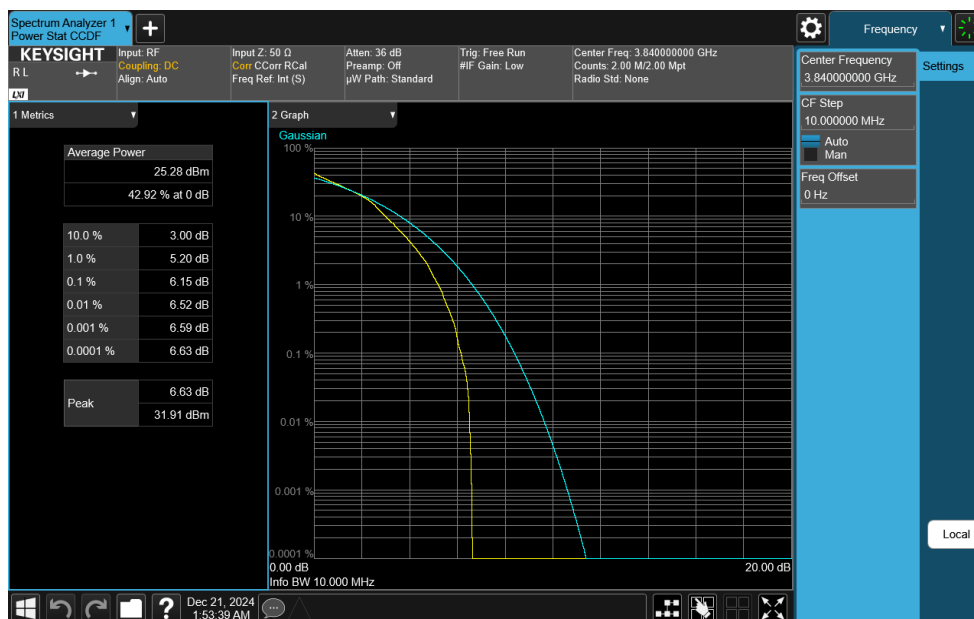
Plot 7-361. PAR Plot (NR Band n77 C-Band - 10MHz DFT-s-OFDM QPSK - Full RB)

|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 204 of 265                   |

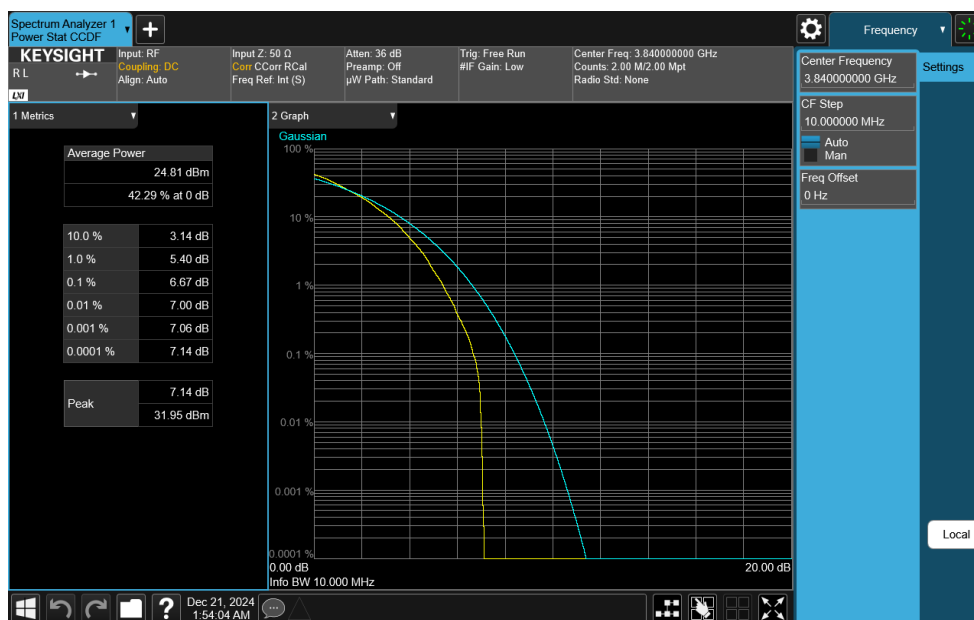
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Plot 7-362. PAR Plot (NR Band n77 C-Band - 10MHz DFT-s-OFDM 16-QAM - Full RB)

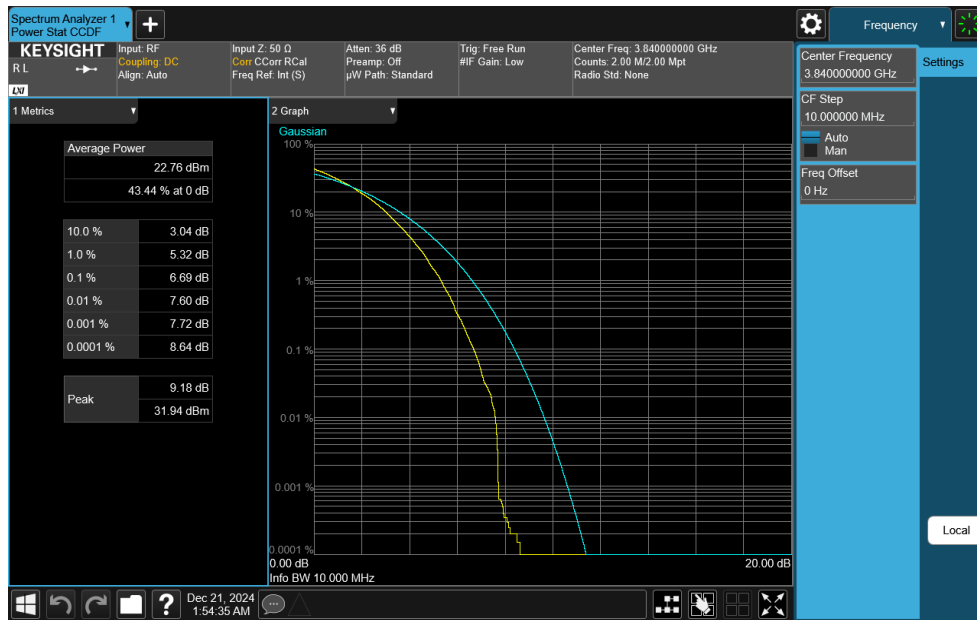


Plot 7-363. PAR Plot (NR Band n77 C-Band - 10MHz DFT-s-OFDM 64-QAM - Full RB)

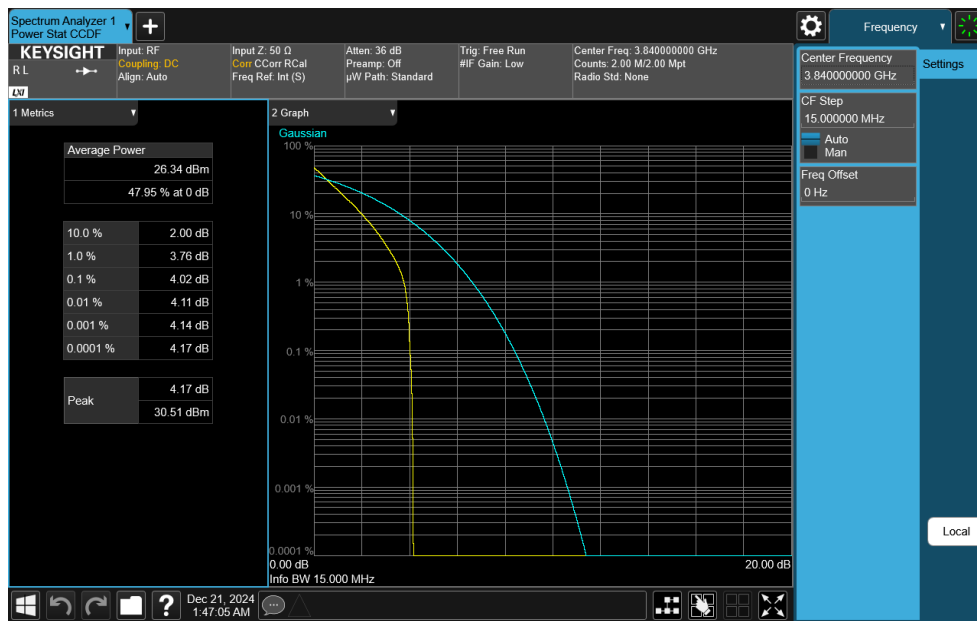
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 205 of 265                   |

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Plot 7-364. PAR Plot (NR Band n77 C-Band - 10MHz DFT-s-OFDM 256-QAM - Full RB)

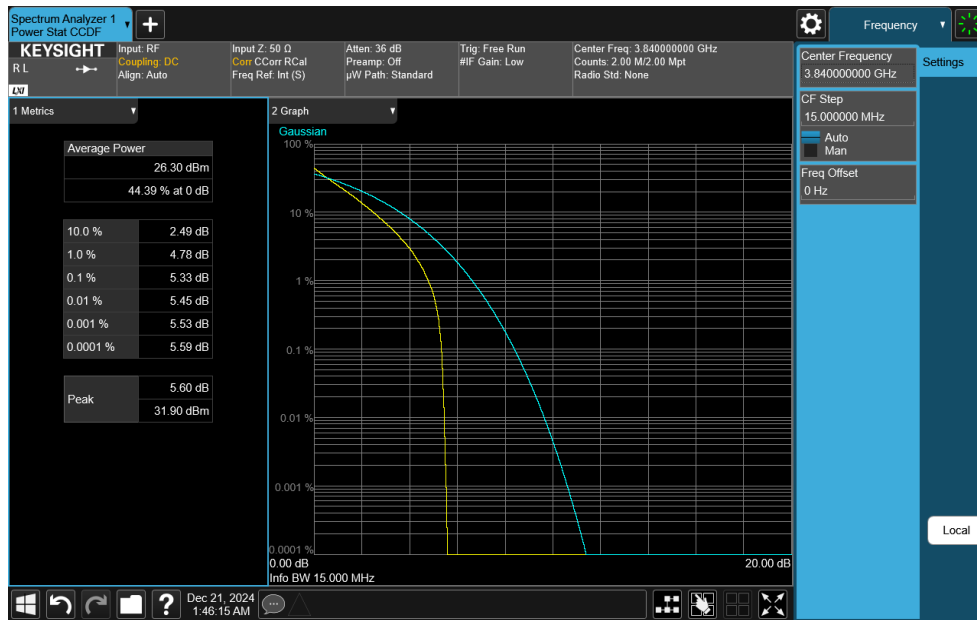


Plot 7-365. PAR Plot (NR Band n77 C-Band - 15MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

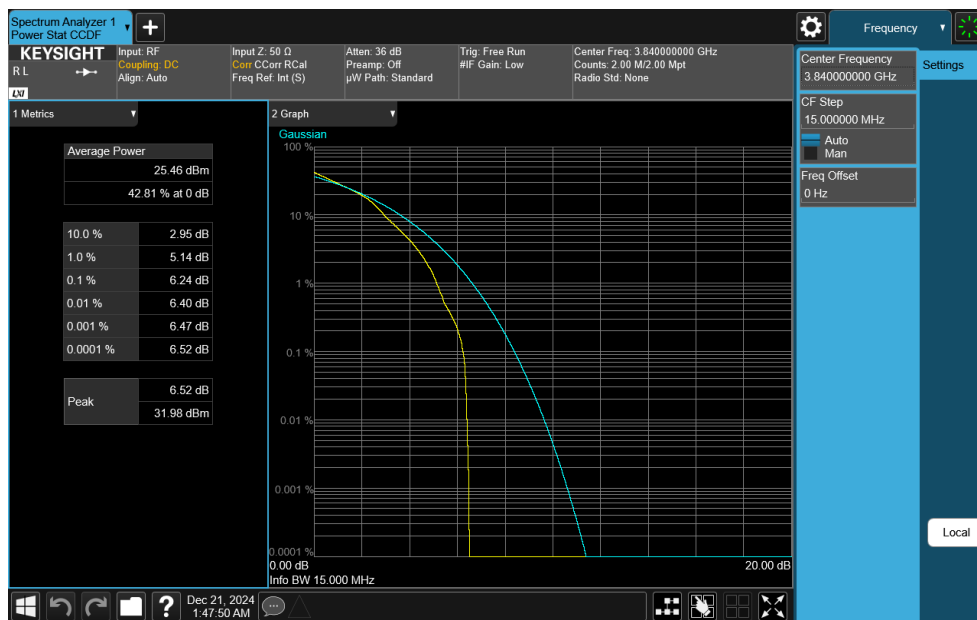
|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 206 of 265                   |

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Plot 7-366. PAR Plot (NR Band n77 C-Band - 15MHz DFT-s-OFDM QPSK - Full RB)

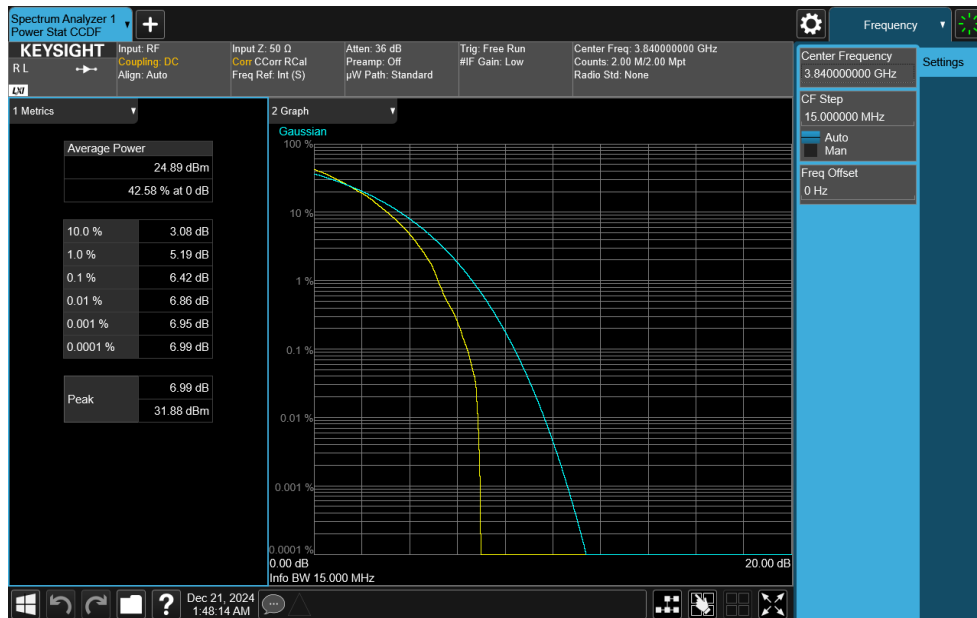


Plot 7-367. PAR Plot (NR Band n77 C-Band - 15MHz DFT-s-OFDM 16-QAM - Full RB)

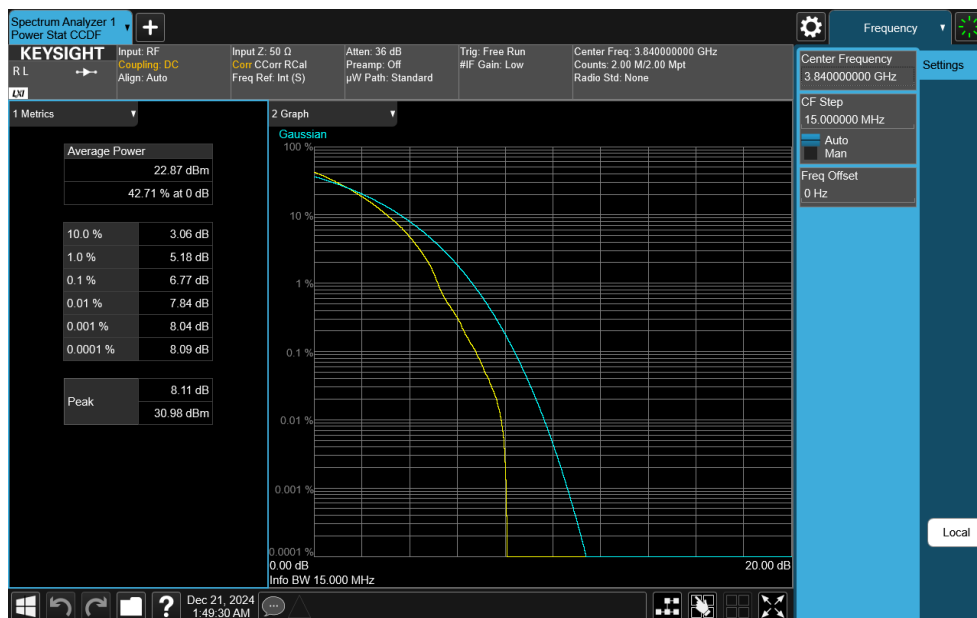
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 207 of 265                   |

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Plot 7-368. PAR Plot (NR Band n77 C-Band - 15MHz DFT-s-OFDM 64-QAM - Full RB)

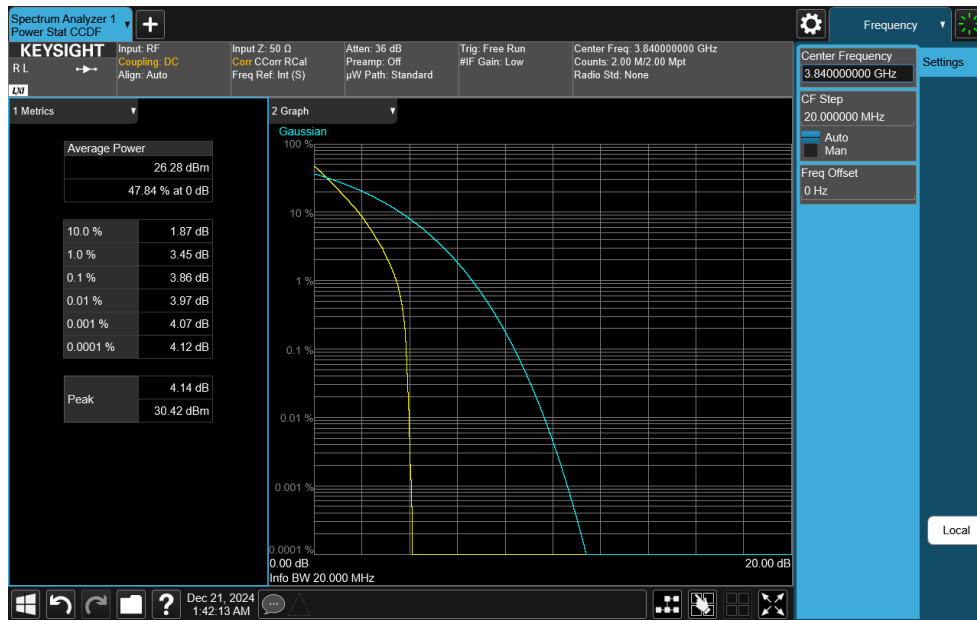


Plot 7-369. PAR Plot (NR Band n77 C-Band - 15MHz DFT-s-OFDM 256-QAM - Full RB)

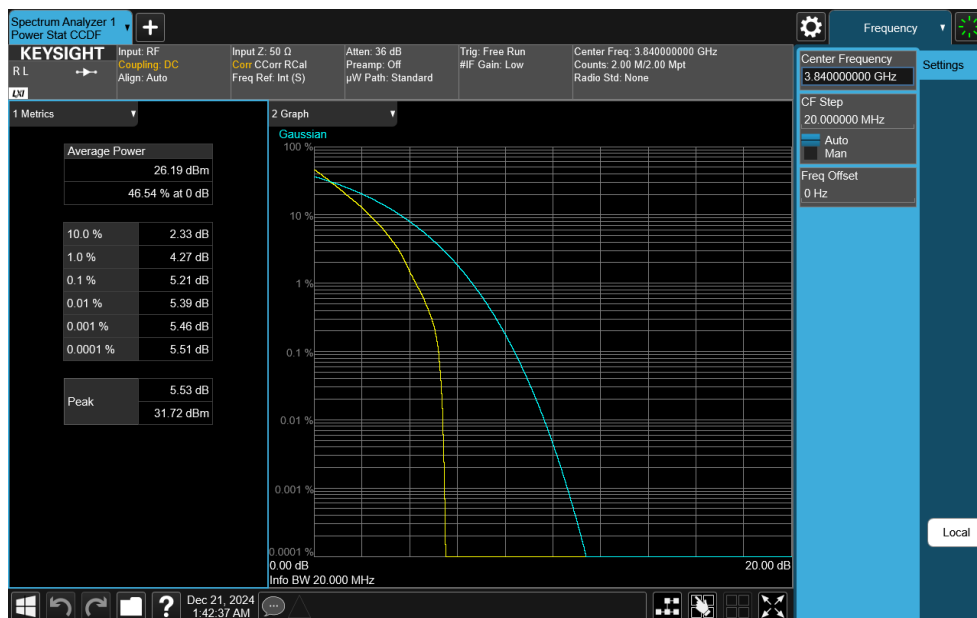
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 208 of 265                   |

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Plot 7-370. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

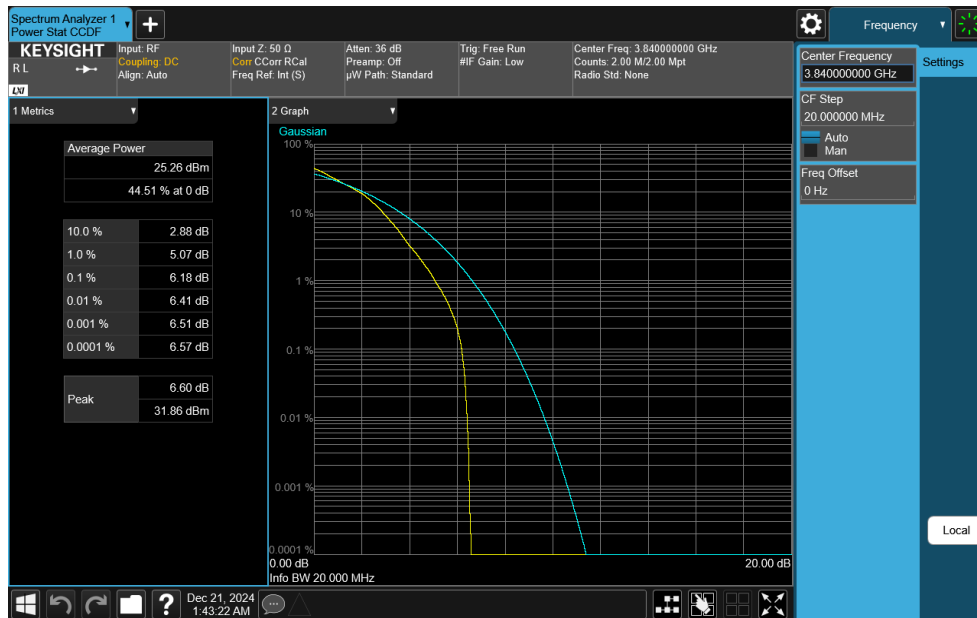


Plot 7-371. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM QPSK - Full RB)

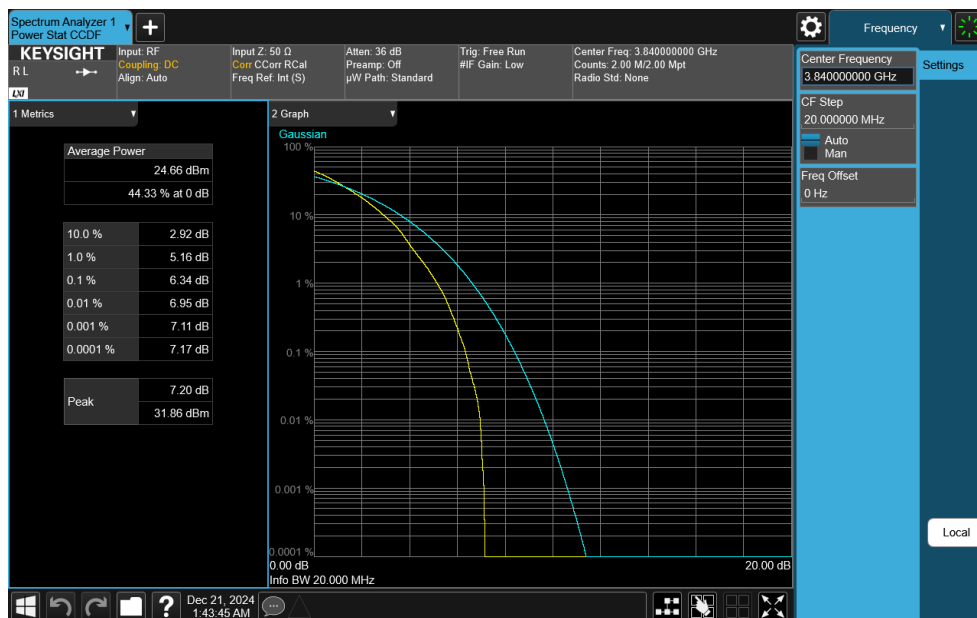
|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 209 of 265                   |

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Plot 7-372. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM 16-QAM - Full RB)

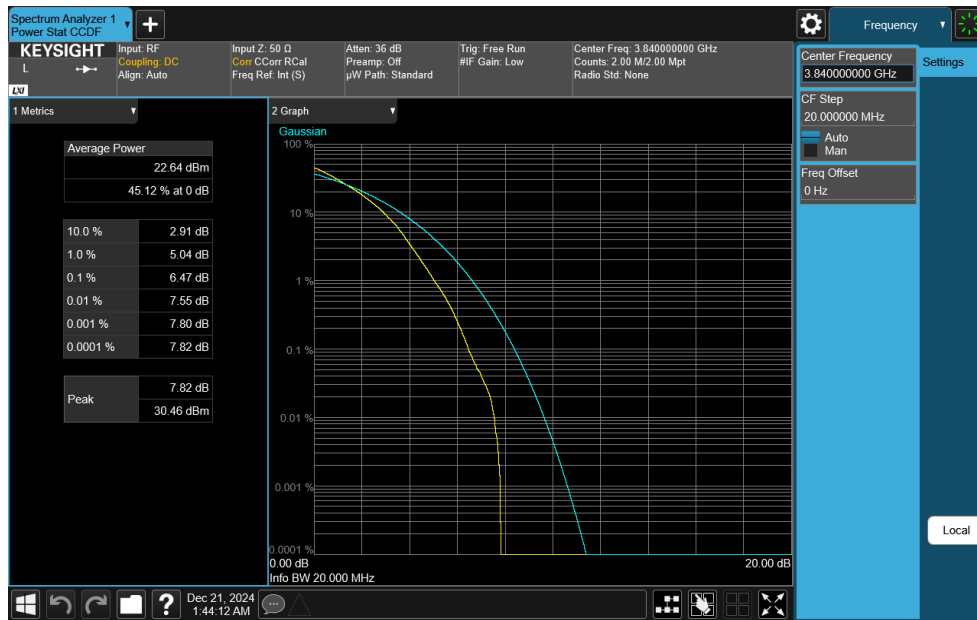


Plot 7-373. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM 64-QAM - Full RB)

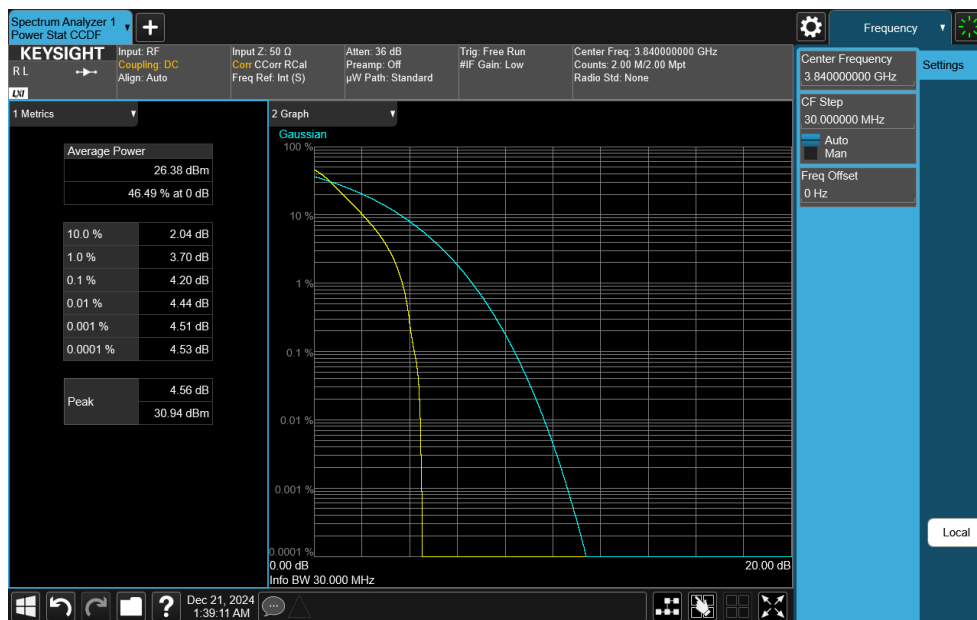
|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 210 of 265                   |

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Plot 7-374. PAR Plot (NR Band n77 C-Band - 20MHz DFT-s-OFDM 256-QAM - Full RB)

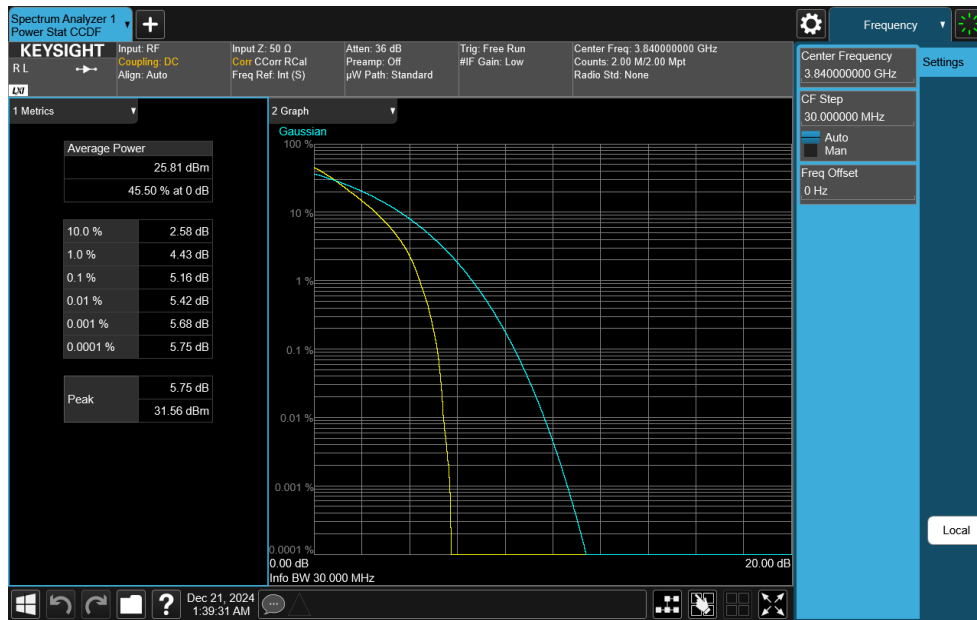


Plot 7-375. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

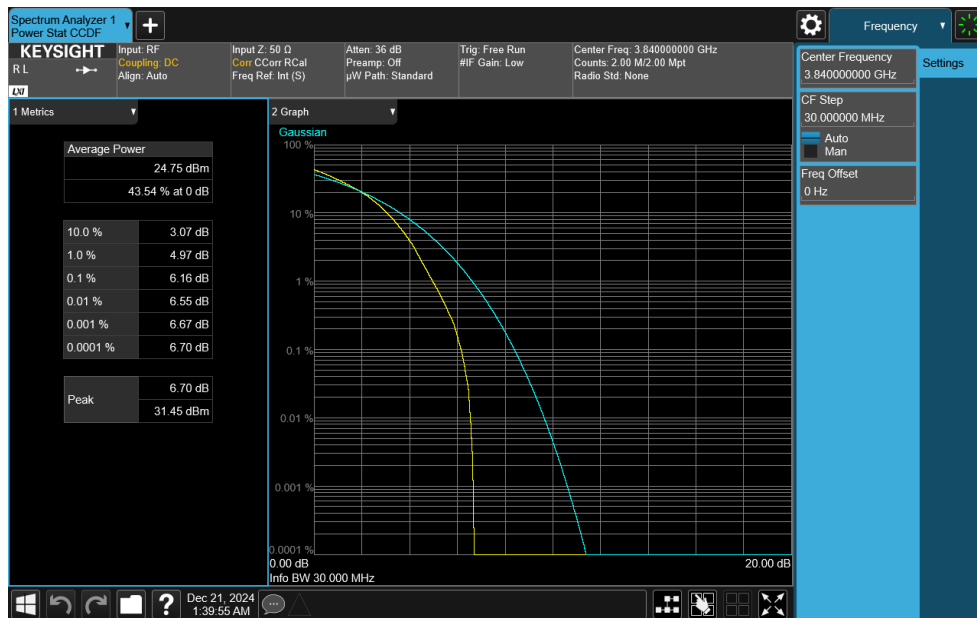
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 211 of 265                   |

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Plot 7-376. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM QPSK - Full RB)



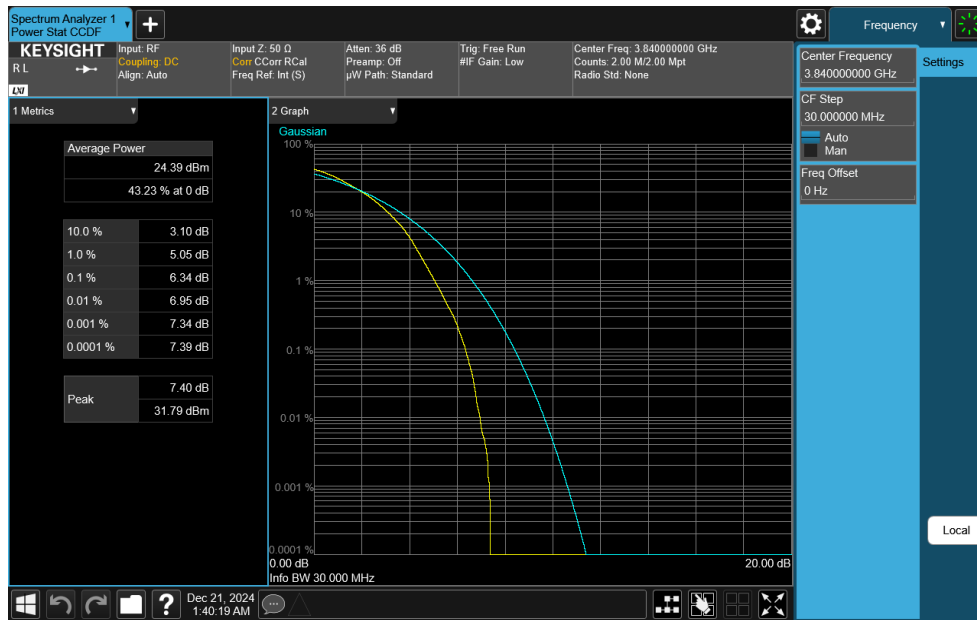
Plot 7-377. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 16-QAM - Full RB)

|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 212 of 265                   |

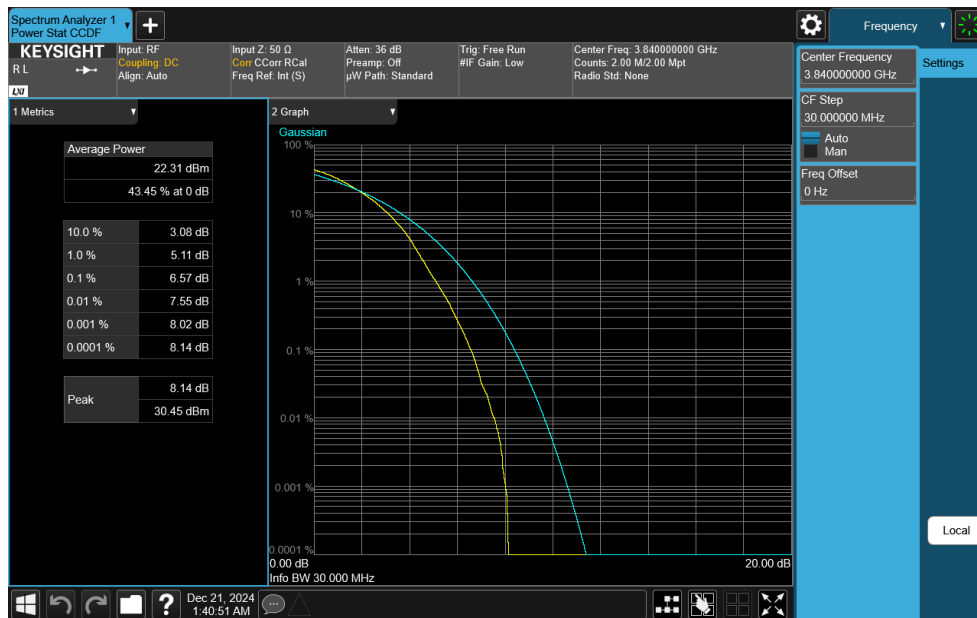
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Plot 7-378. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 64-QAM - Full RB)

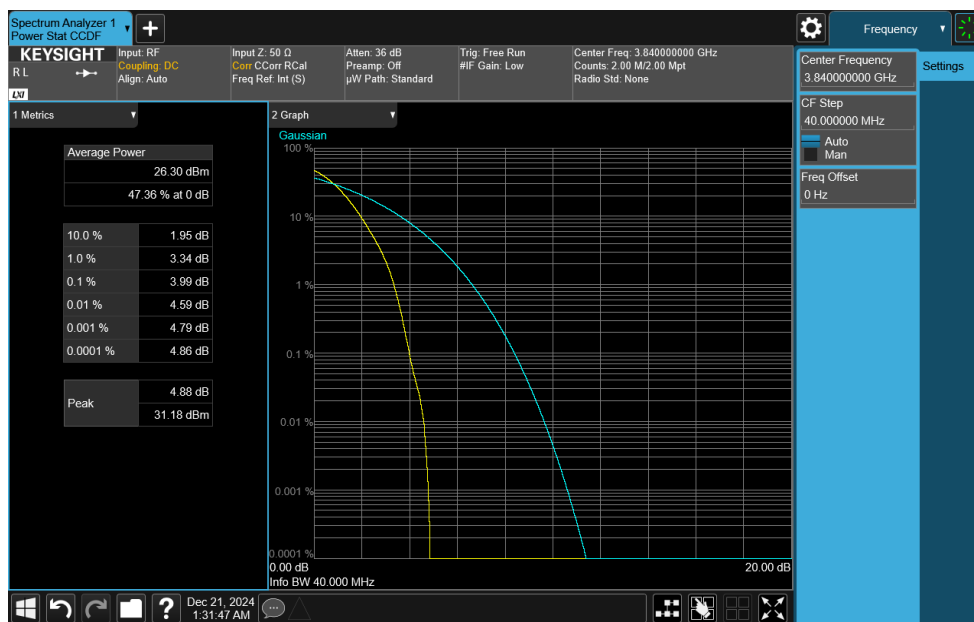


Plot 7-379. PAR Plot (NR Band n77 C-Band - 30MHz DFT-s-OFDM 256-QAM - Full RB)

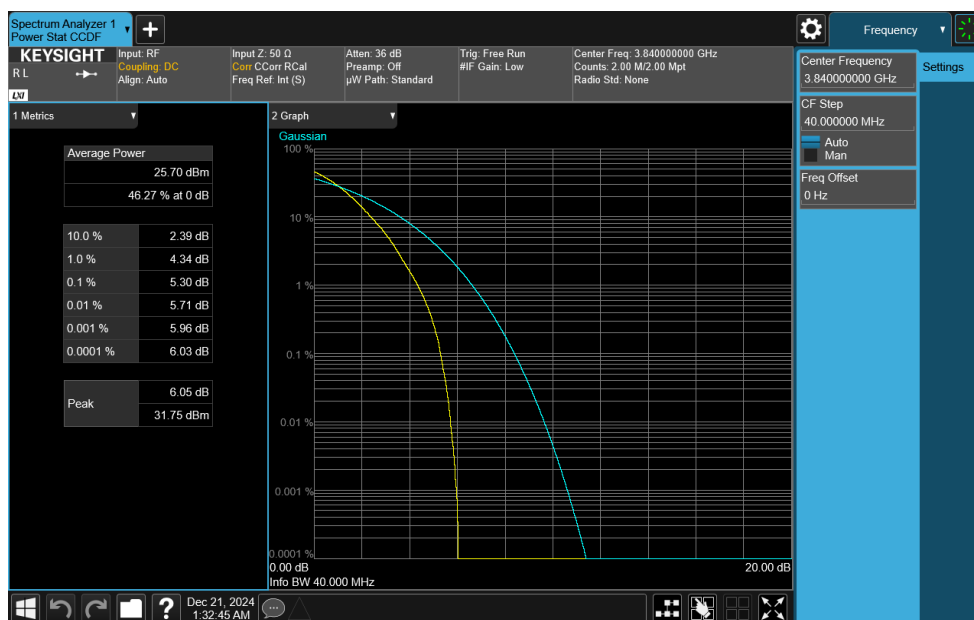
|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
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Plot 7-380. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

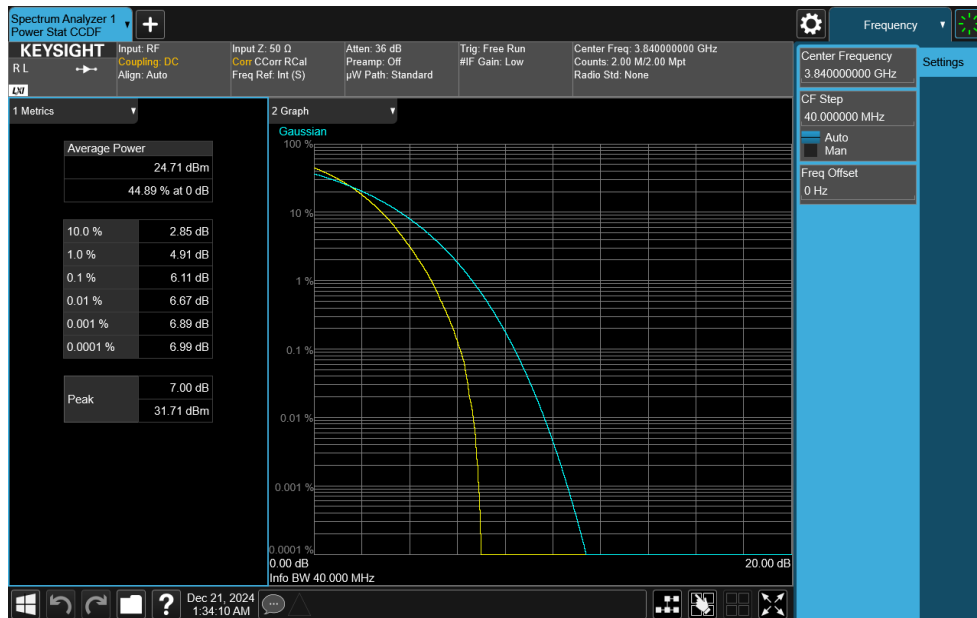


Plot 7-381. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM QPSK - Full RB)

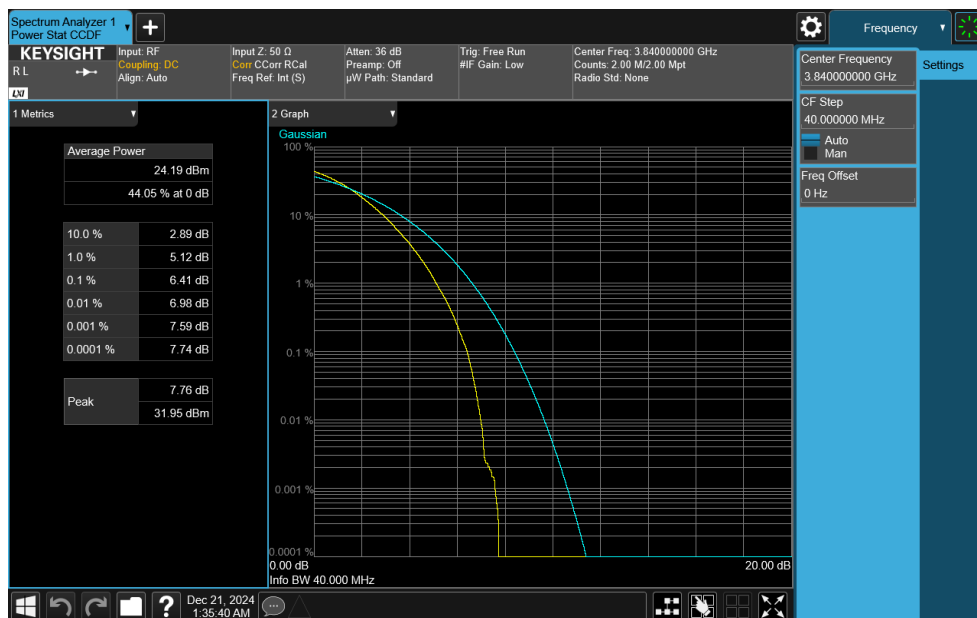
|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 214 of 265                   |

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Plot 7-382. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 16-QAM - Full RB)

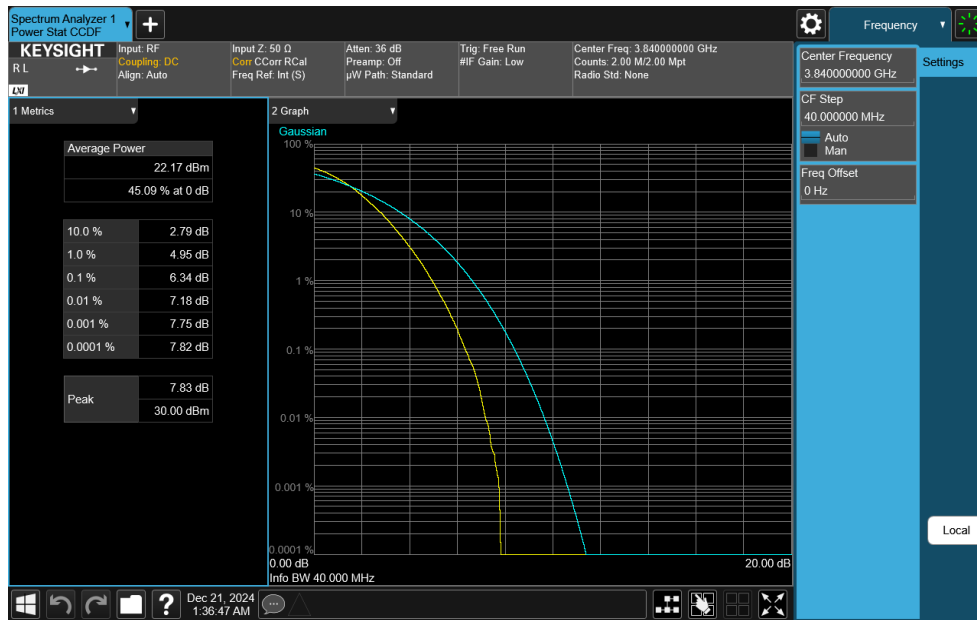


Plot 7-383. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 64-QAM - Full RB)

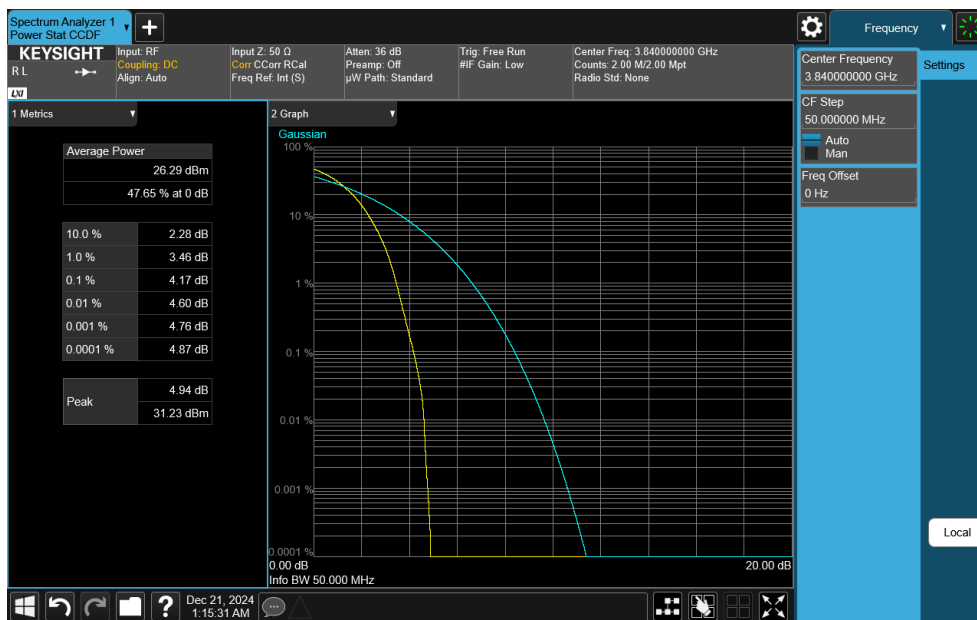
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 215 of 265                   |

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Plot 7-384. PAR Plot (NR Band n77 C-Band - 40MHz DFT-s-OFDM 256-QAM - Full RB)

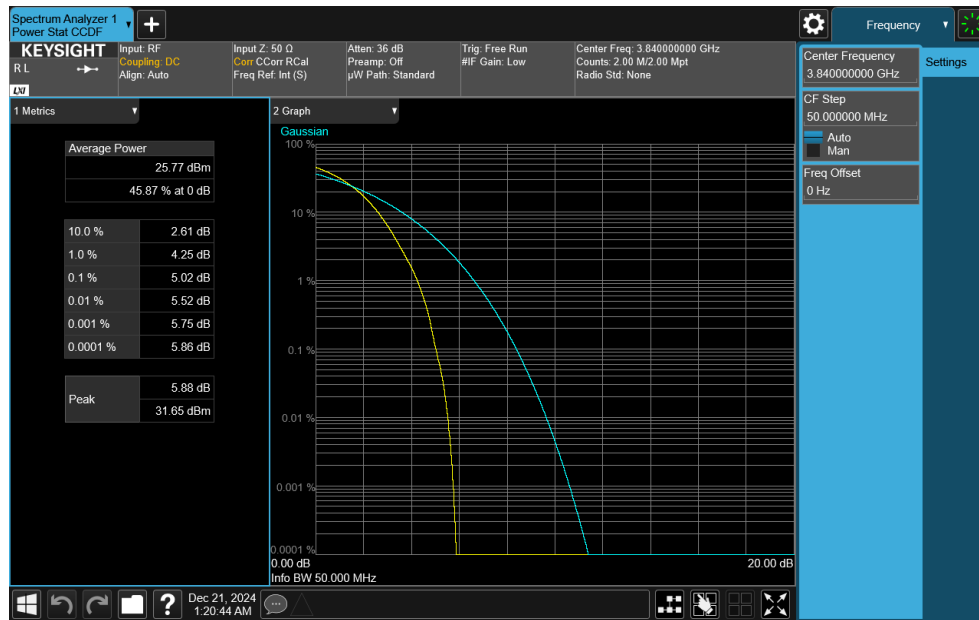


Plot 7-385. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

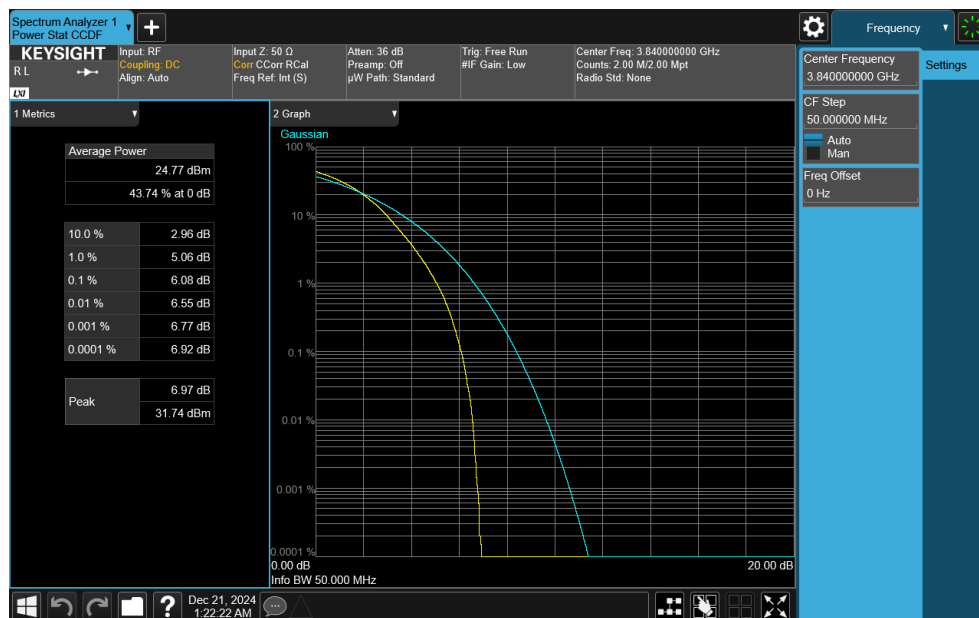
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 216 of 265                   |

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Plot 7-386. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM QPSK - Full RB)

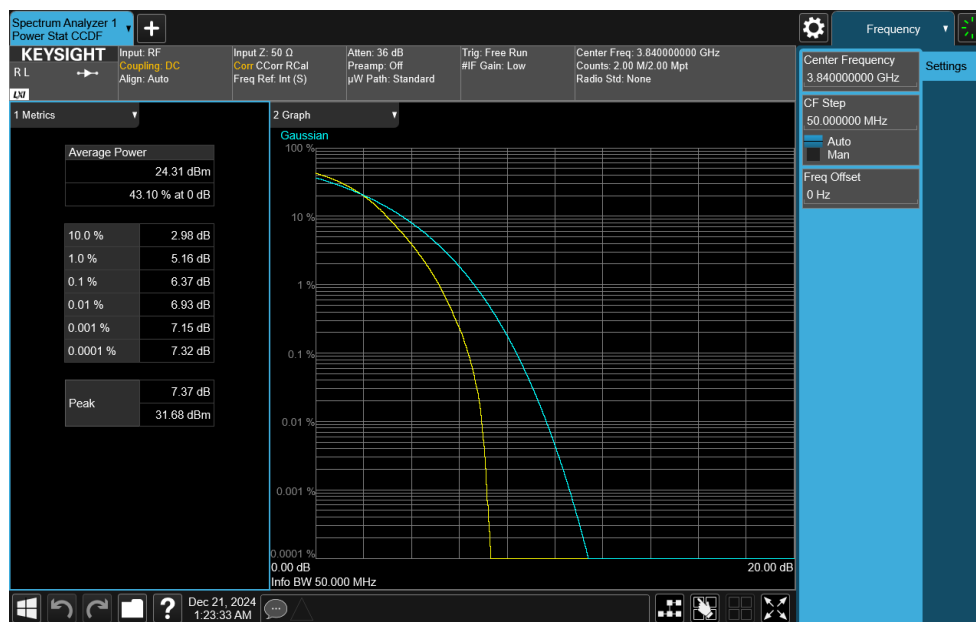


Plot 7-387. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 16-QAM - Full RB)

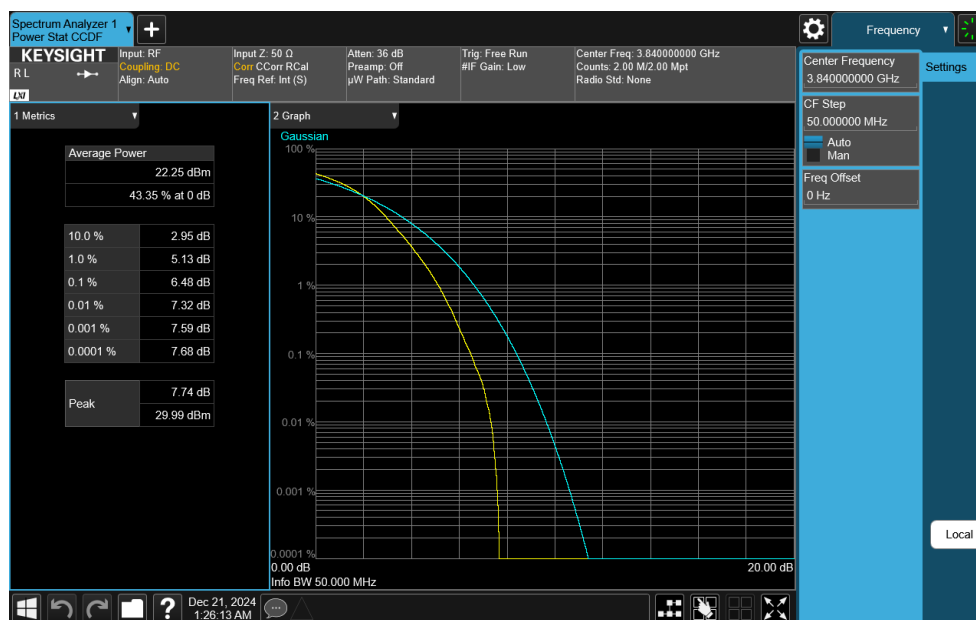
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 217 of 265                   |

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Plot 7-388. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 64-QAM - Full RB)

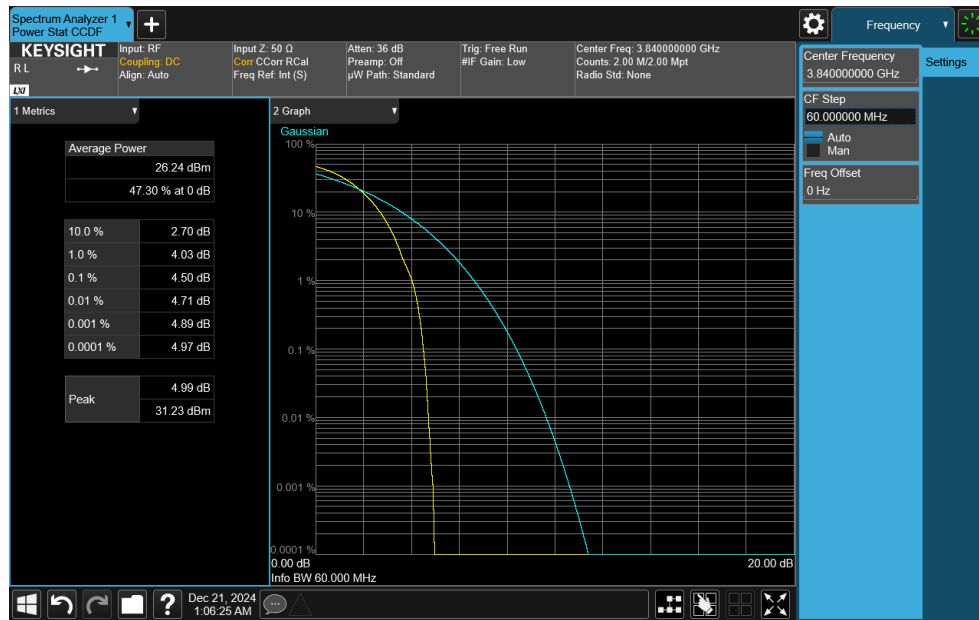


Plot 7-389. PAR Plot (NR Band n77 C-Band - 50MHz DFT-s-OFDM 256-QAM - Full RB)

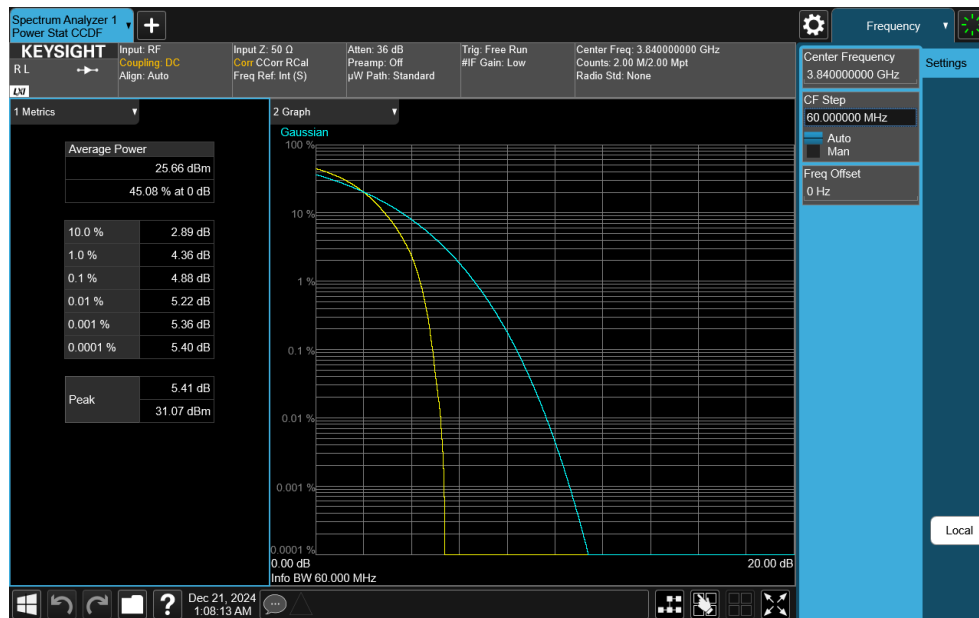
|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 218 of 265                   |

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Plot 7-390. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

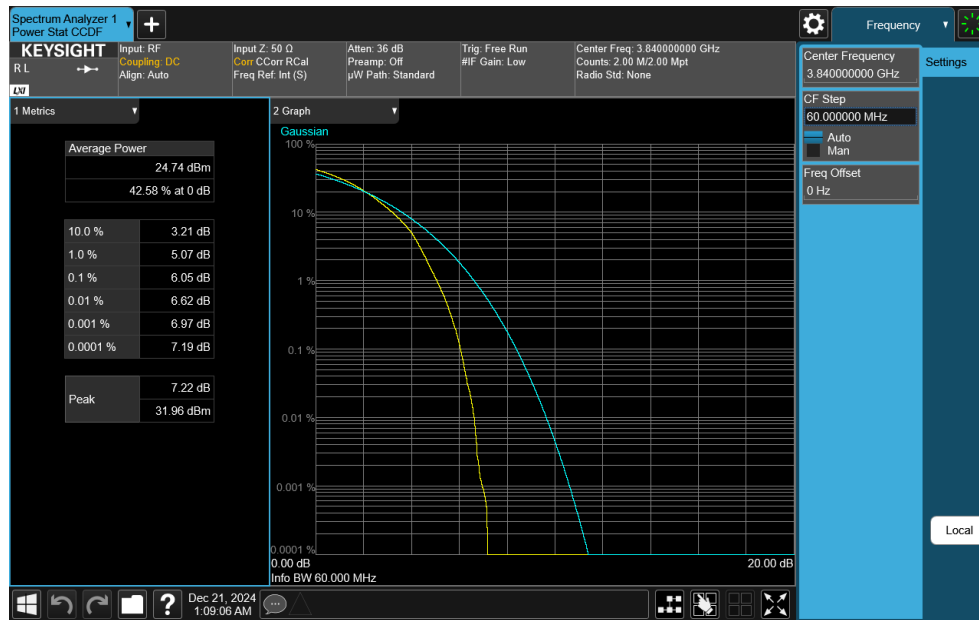


Plot 7-391. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM QPSK - Full RB)

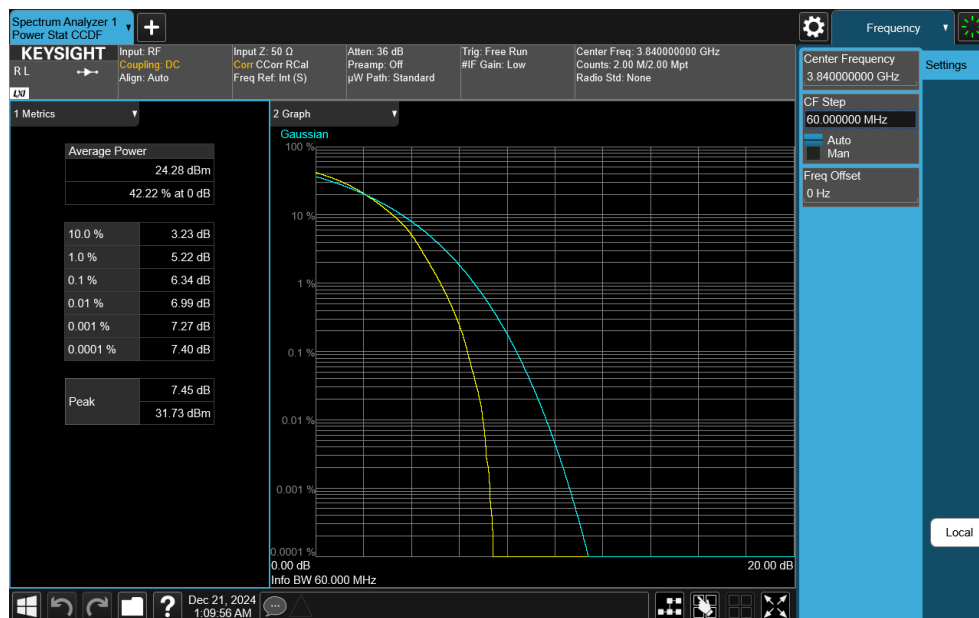
|                                            |                                      |                                   |
|--------------------------------------------|--------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | PART 27 MEASUREMENT REPORT           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device        |
|                                            |                                      | Page 219 of 265                   |

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Plot 7-392. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 16-QAM - Full RB)



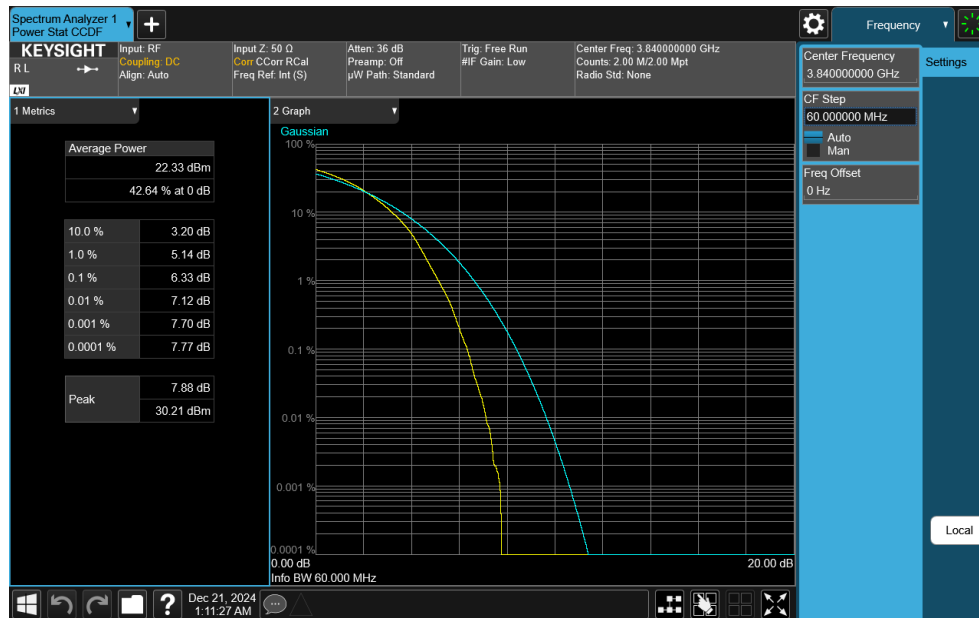
Plot 7-393. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 64-QAM - Full RB)

|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 220 of 265                   |

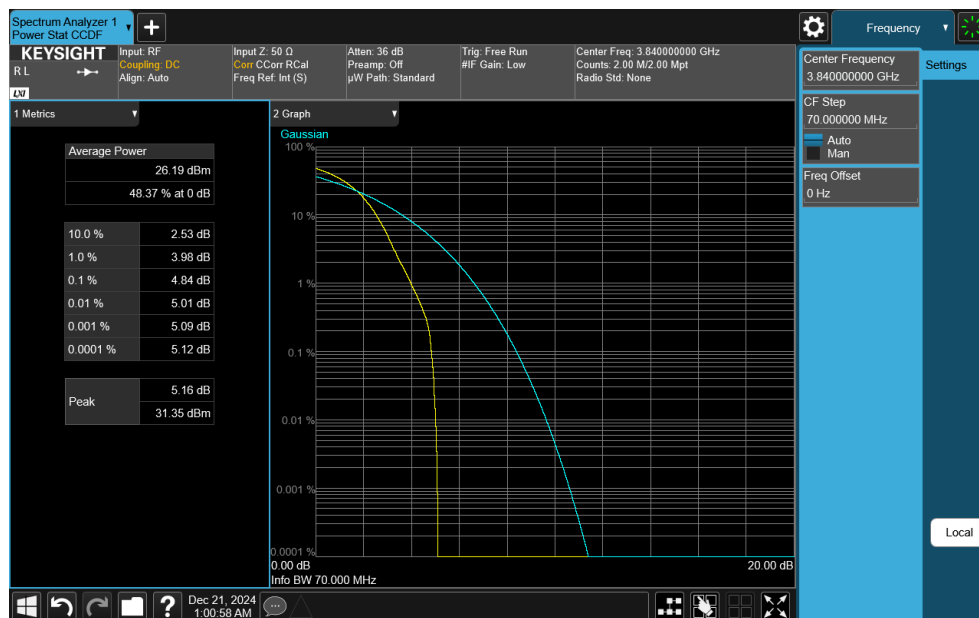
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Plot 7-394. PAR Plot (NR Band n77 C-Band - 60MHz DFT-s-OFDM 256-QAM - Full RB)

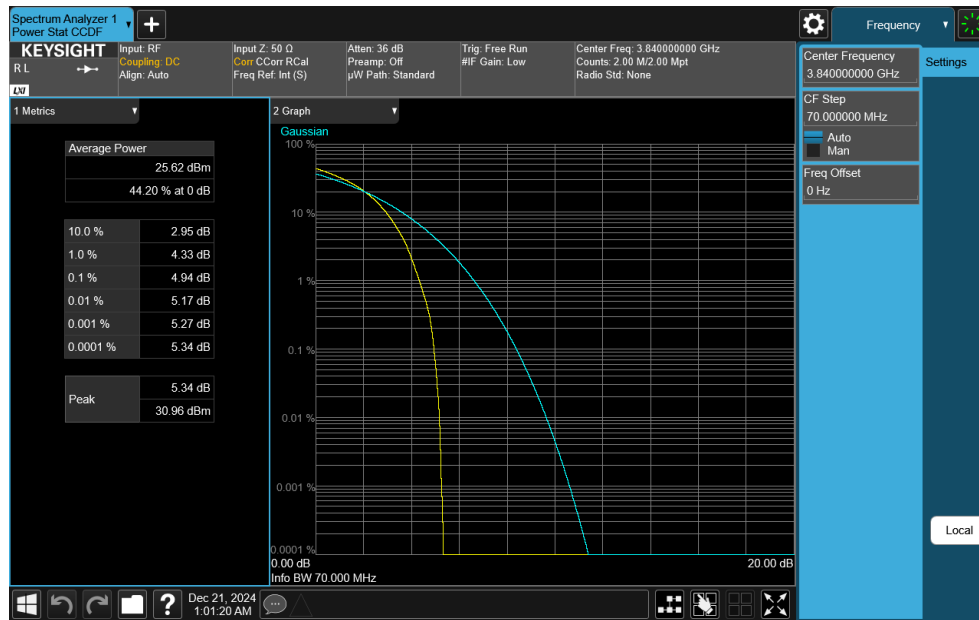


Plot 7-395. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

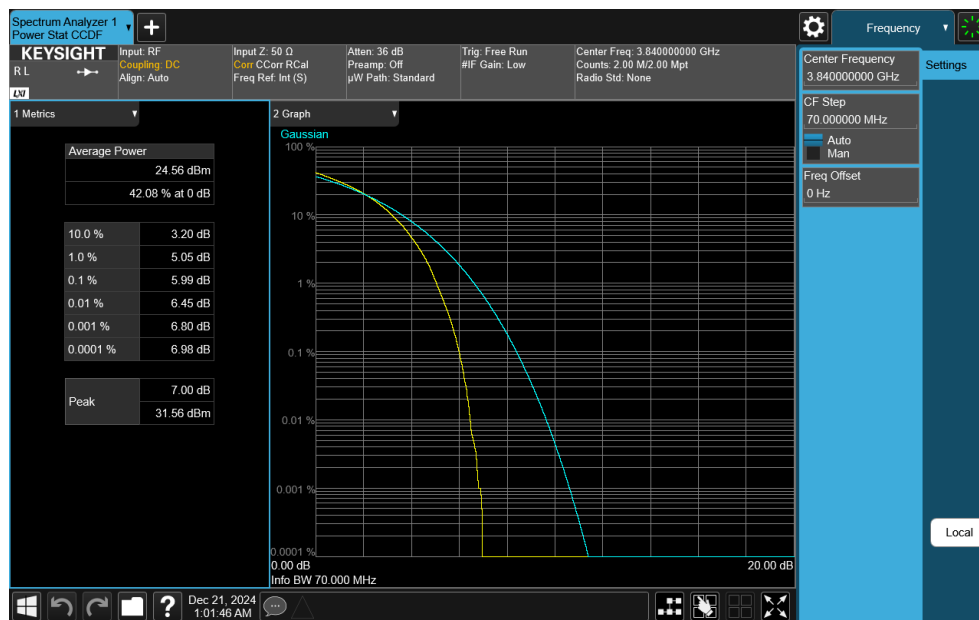
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 221 of 265                   |

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Plot 7-396. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM QPSK - Full RB)

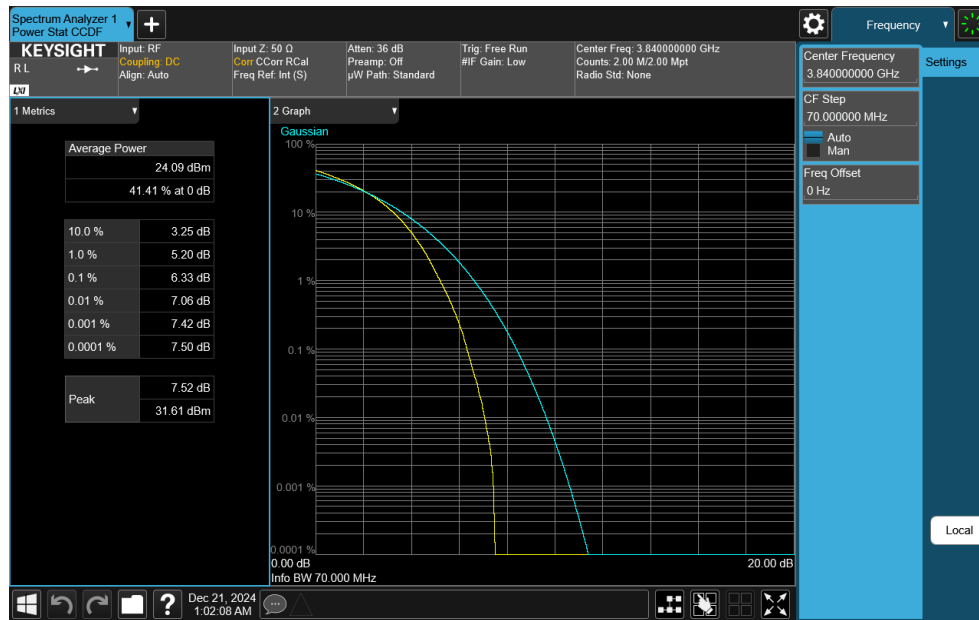


Plot 7-397. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 16-QAM - Full RB)

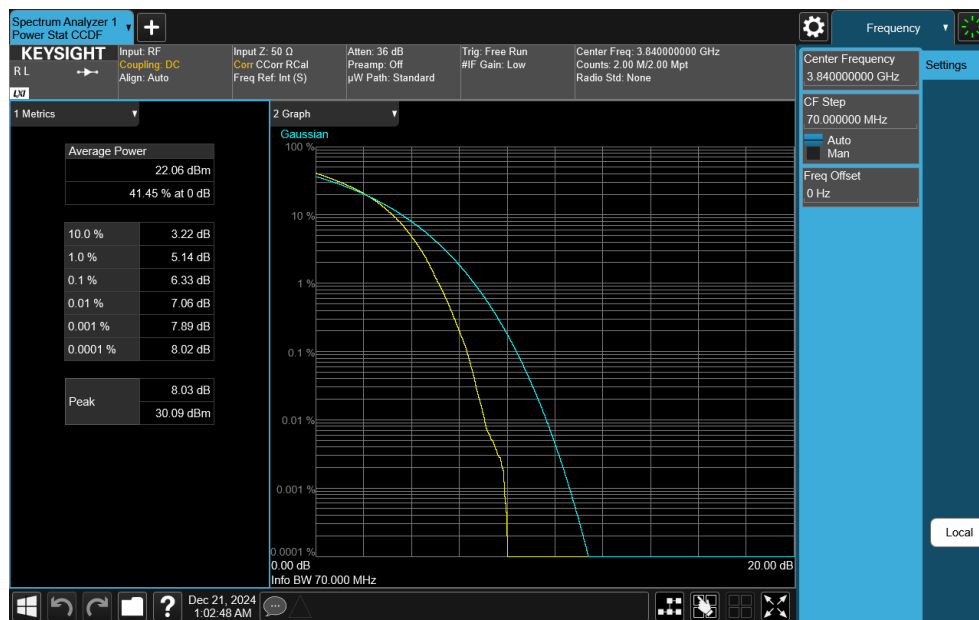
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 222 of 265                   |

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Plot 7-398. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 64-QAM - Full RB)

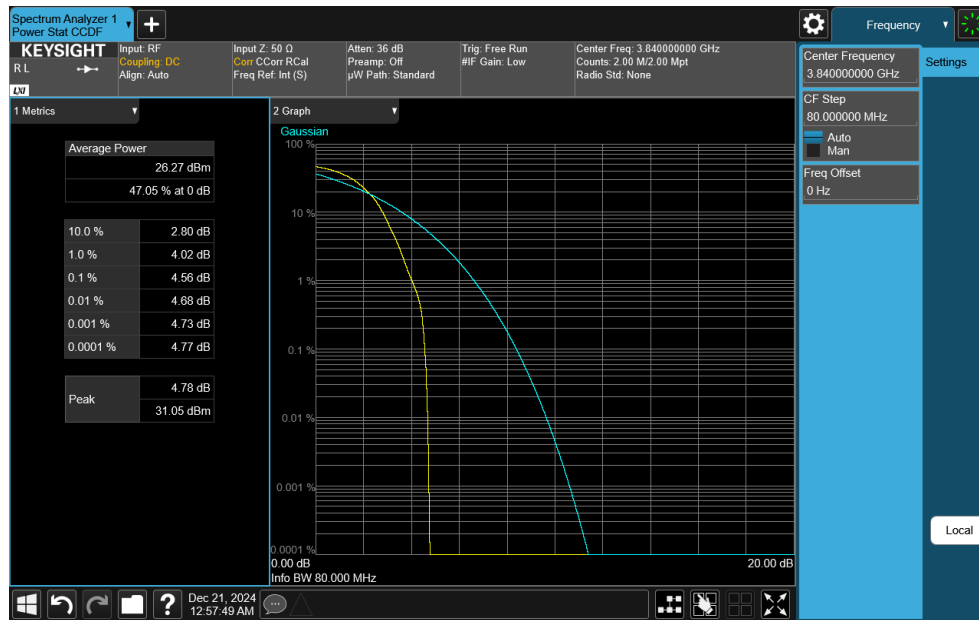


Plot 7-399. PAR Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM 256-QAM - Full RB)

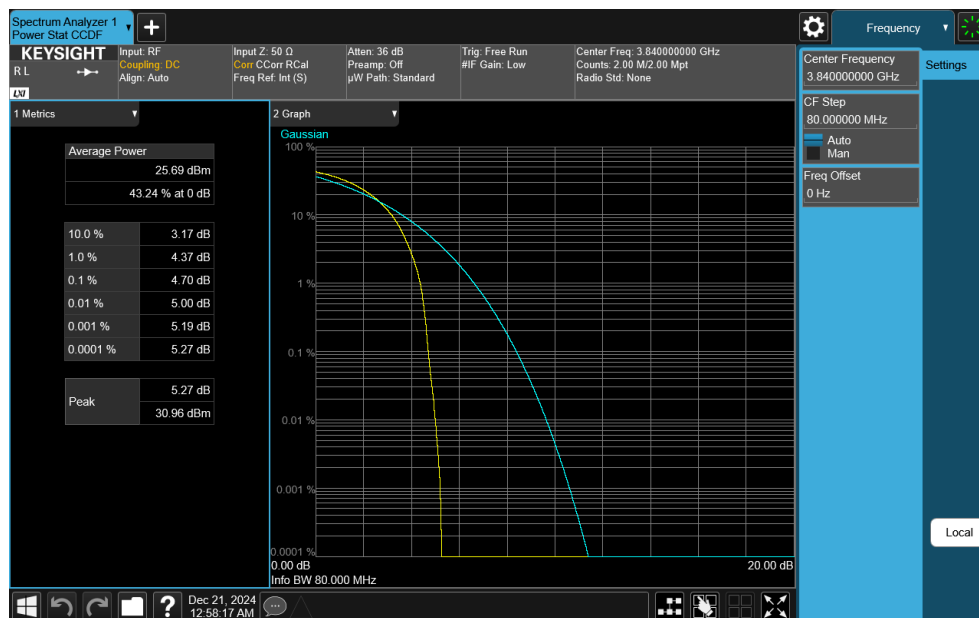
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 223 of 265                   |

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Plot 7-400. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

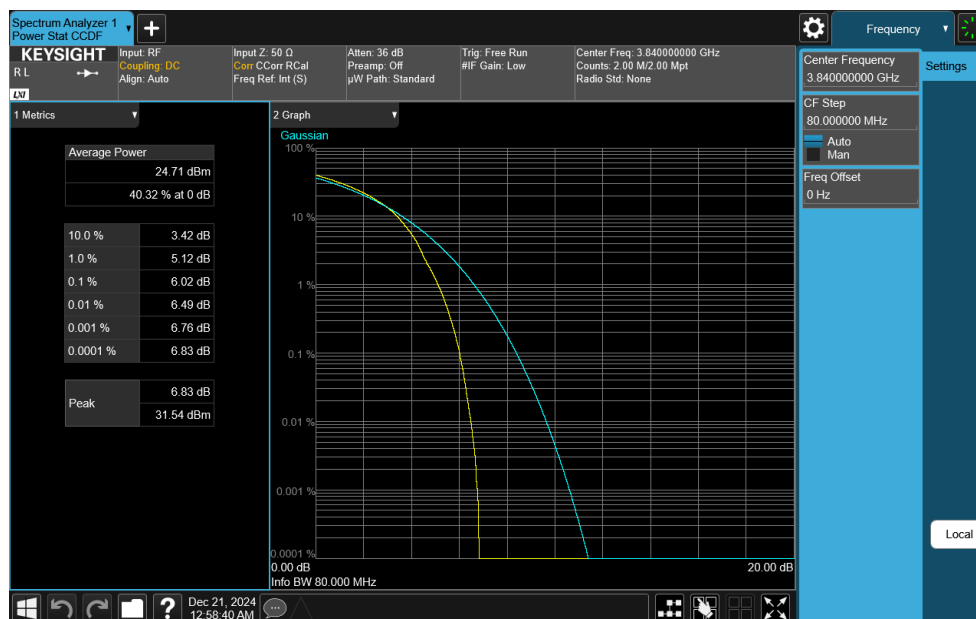


Plot 7-401. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM QPSK - Full RB)

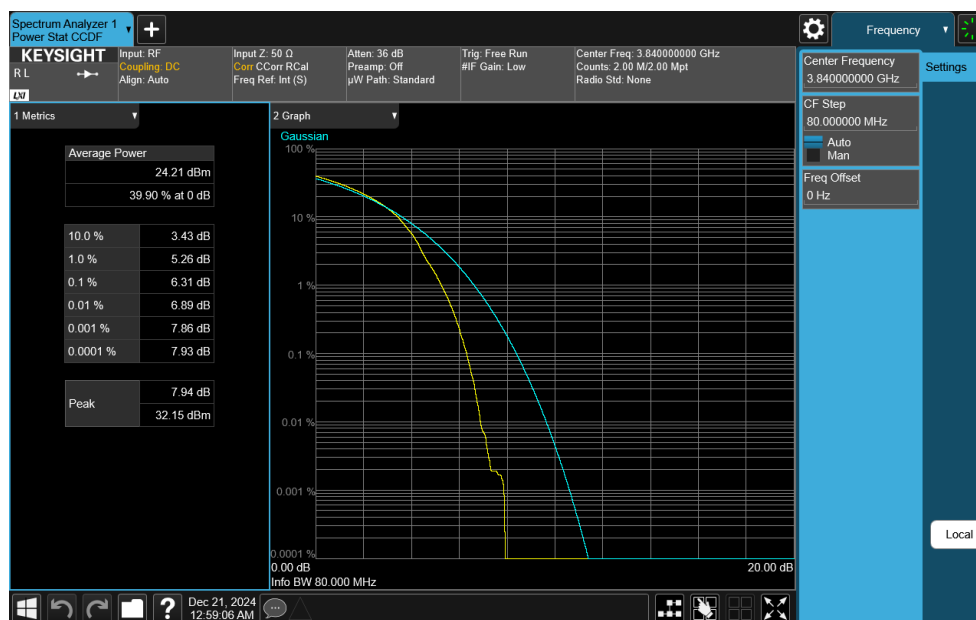
|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 224 of 265                   |

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Plot 7-402. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 16-QAM - Full RB)

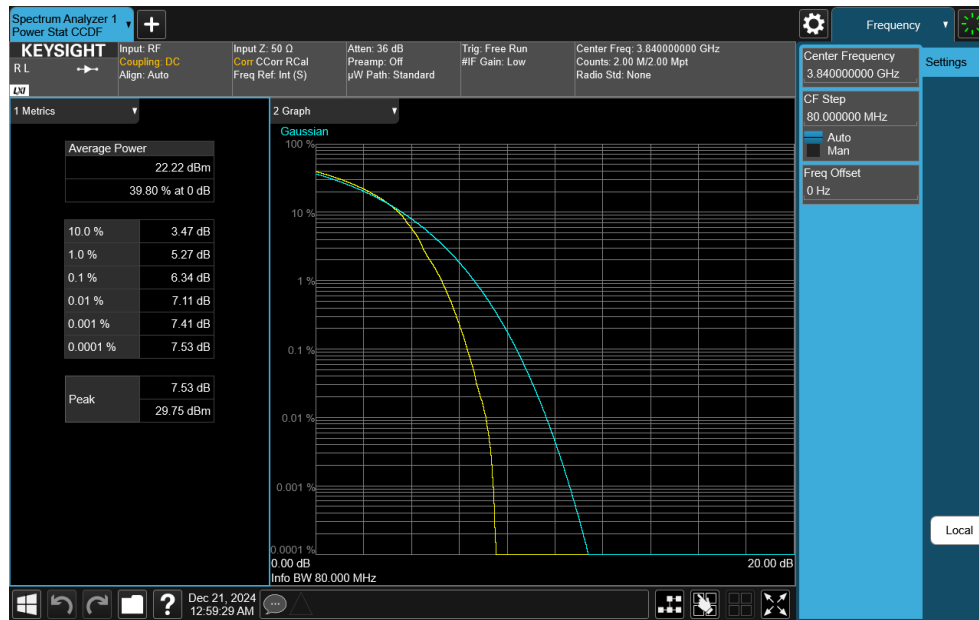


Plot 7-403. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 64-QAM - Full RB)

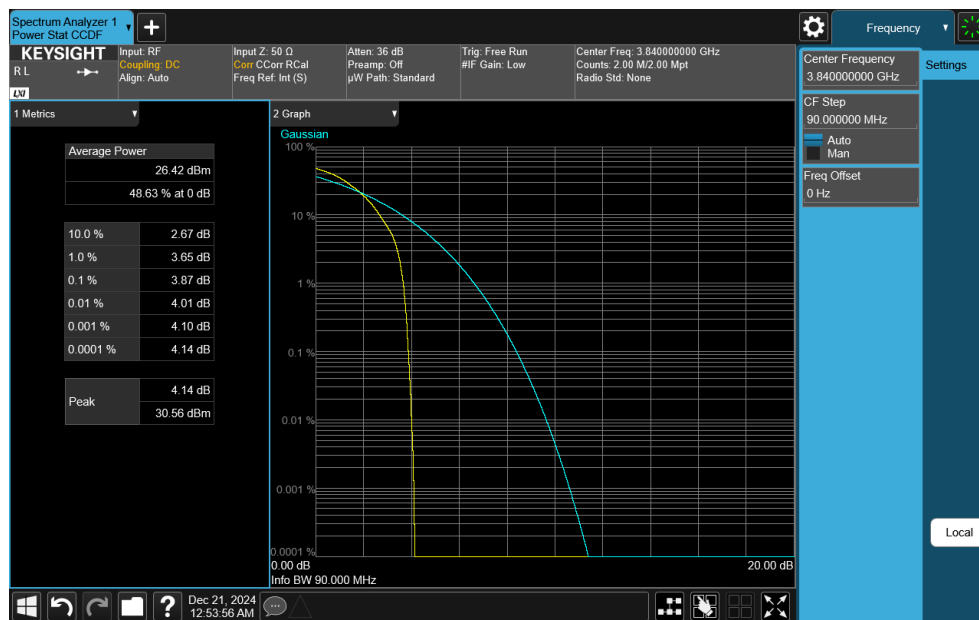
|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 225 of 265                   |

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Plot 7-404. PAR Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM 256-QAM - Full RB)

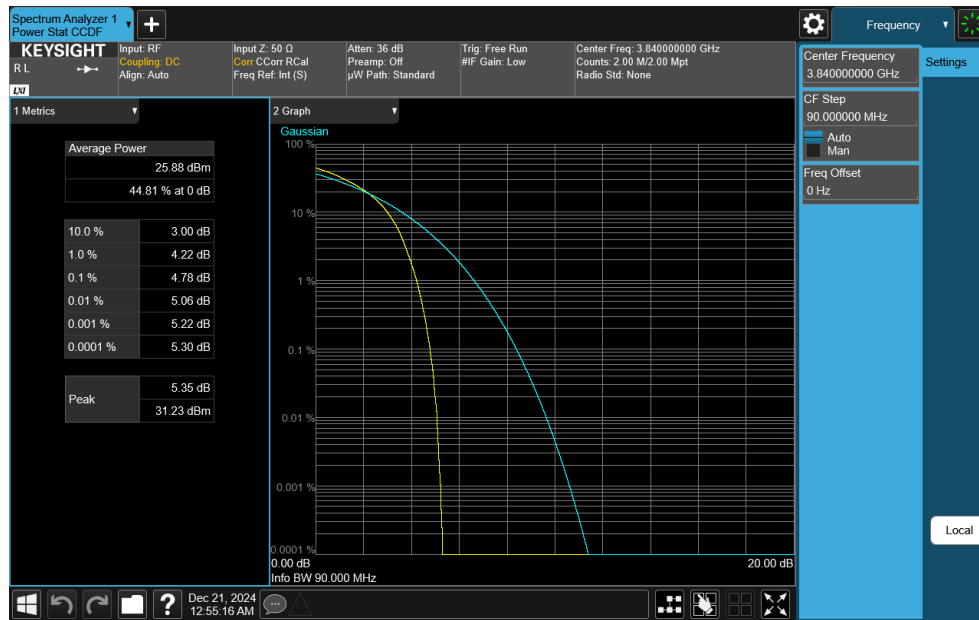


Plot 7-405. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

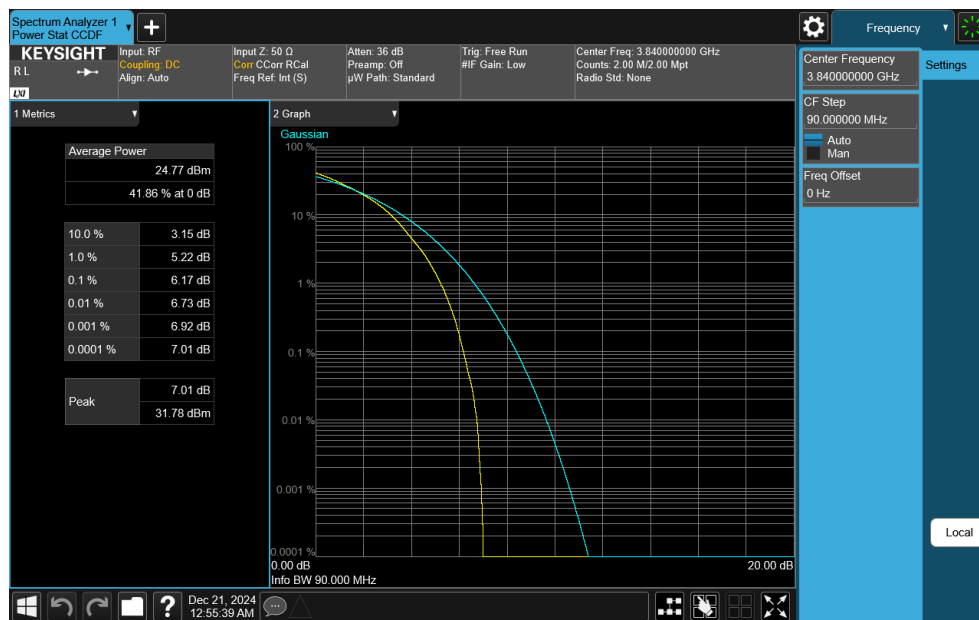
|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 226 of 265                   |

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Plot 7-406. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM QPSK - Full RB)

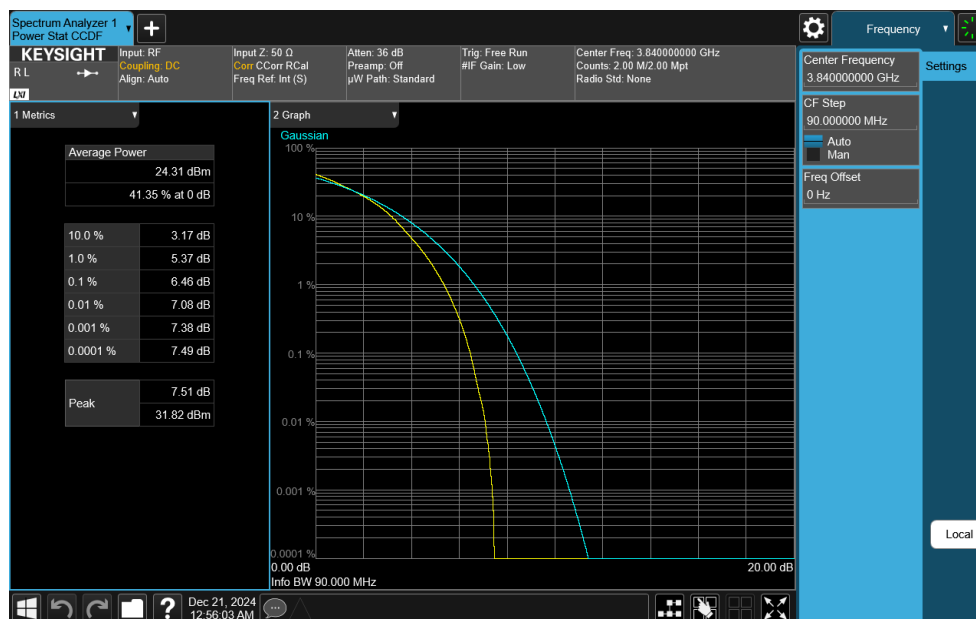


Plot 7-407. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 16-QAM - Full RB)

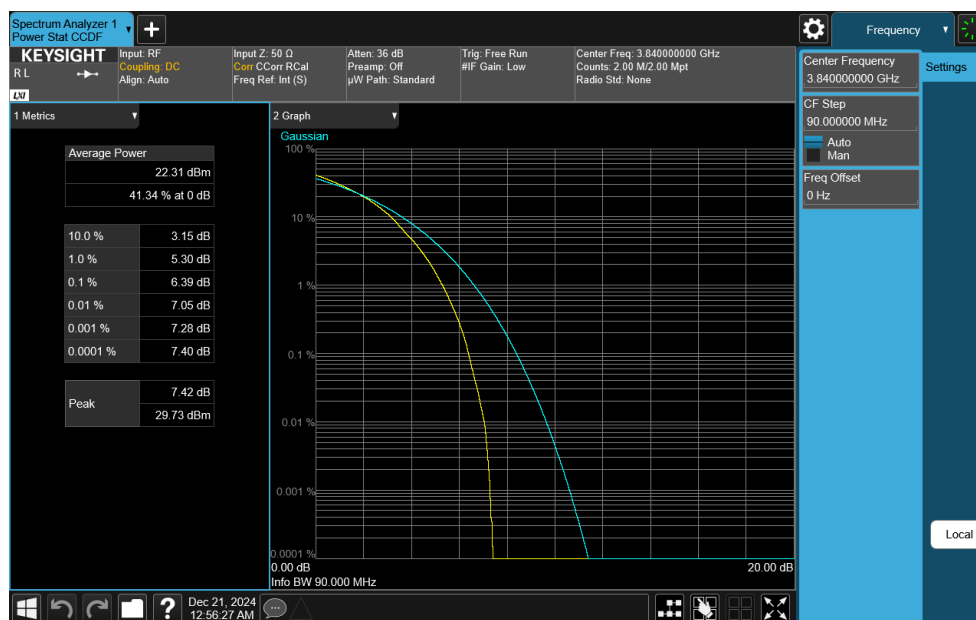
|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 227 of 265                   |

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Plot 7-408. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 64-QAM - Full RB)



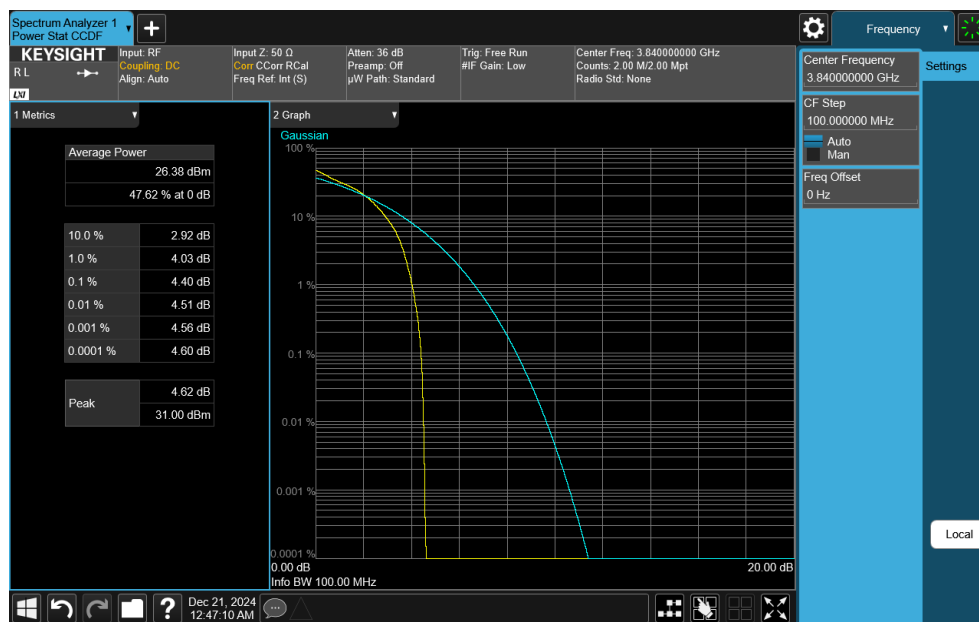
Plot 7-409. PAR Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM 256-QAM - Full RB)

|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 228 of 265                   |

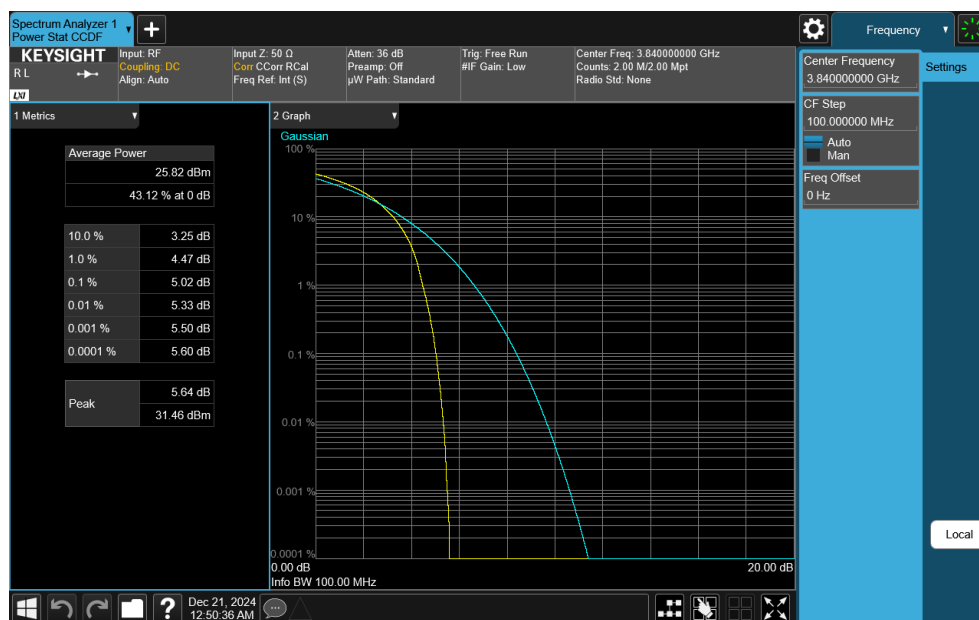
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Plot 7-410. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

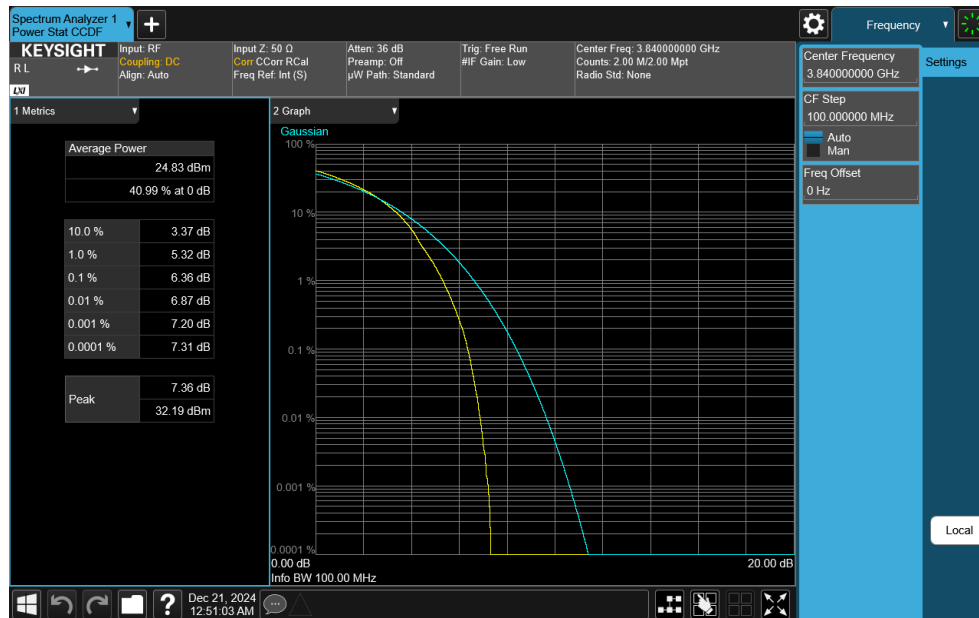


Plot 7-411. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - Full RB)

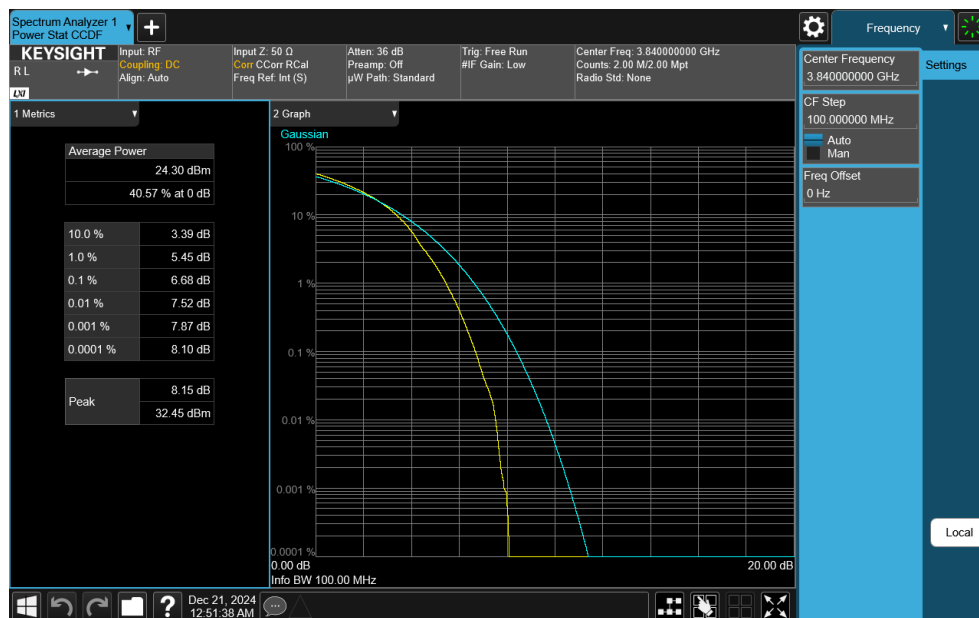
|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 229 of 265                   |

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Plot 7-412. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 16-QAM - Full RB)

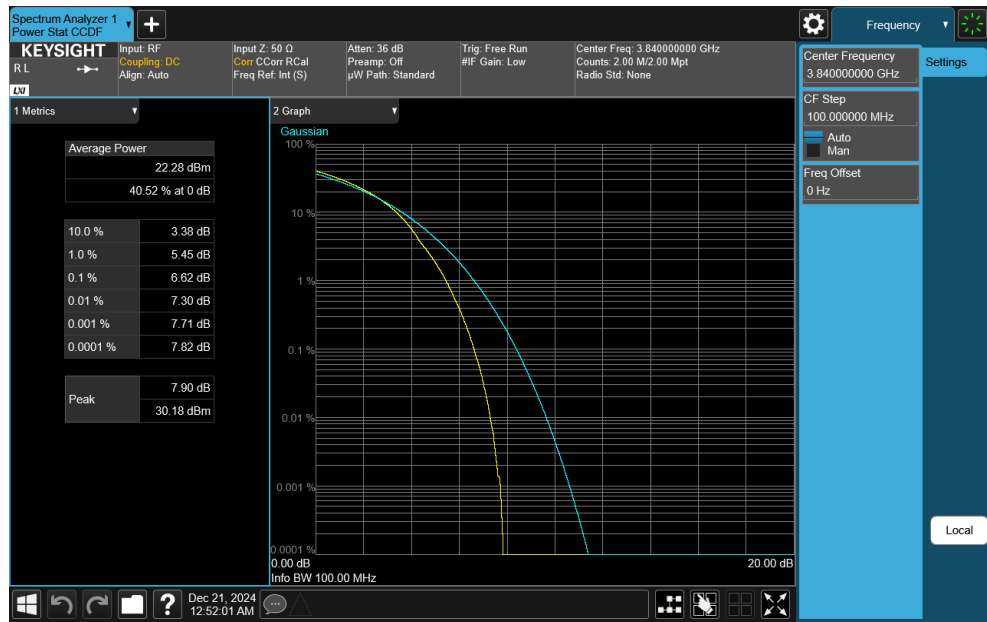


Plot 7-413. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 64-QAM - Full RB)

|                                            |                                      |                            |                                   |
|--------------------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           | element                              | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024 | EUT Type:<br>Tablet Device | Page 230 of 265                   |

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Plot 7-414. PAR Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM 256-QAM - Full RB)

|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 231 of 265                   |

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## 7.6 Radiated Power (EIRP)

§27.50(j)(3), §27.50(k)(3)

### Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

### Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

### Test Settings

The relevant equation for determining the EIRP from the conducted RF output power measured is:

$$\text{EIRP} = \text{PMeas} - \text{LC} + \text{GT}$$

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as PMeas, typically dBW or dBm)

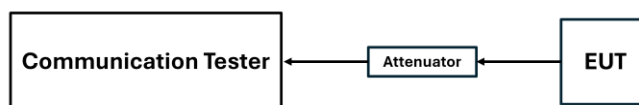
PMeas = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

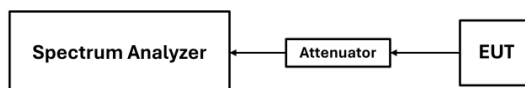
GT = gain of the transmitting antenna, in dBi (EIRP)

### Test Setup

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



**Figure 7-9. LTE EIRP Measurement Setup**



**Figure 7-10. FR1 Test Instrument & Measurement Setup**

### Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 232 of 265                   |

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## 7.6.1 Antenna 3b – EIRP

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3455.01         | 2.50            | 1 / 22         | 26.30                 | <b>28.80</b> | 0.759        | 30.00            | -1.20       |
|           |          | 3500.01         | 2.50            | 1 / 12         | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
|           |          | 3544.98         | 2.50            | 1 / 22         | 26.44                 | 28.94        | 0.783        | 30.00            | -1.06       |
|           | QPSK     | 3455.01         | 2.50            | 1 / 12         | 26.56                 | 29.06        | 0.805        | 30.00            | -0.94       |
|           |          | 3500.01         | 2.50            | 1 / 22         | 26.47                 | 28.97        | 0.789        | 30.00            | -1.03       |
|           |          | 3544.98         | 2.50            | 1 / 22         | 26.59                 | 29.09        | 0.811        | 30.00            | -0.91       |
|           | 16-QAM   | 3455.01         | 2.50            | 1 / 1          | 25.55                 | 28.05        | 0.638        | 30.00            | -1.95       |
|           | 64-QAM   | 3455.01         | 2.50            | 1 / 22         | 24.61                 | 27.11        | 0.514        | 30.00            | -2.89       |
|           | 256-QAM  | 3455.01         | 2.50            | 1 / 1          | 21.70                 | 24.20        | 0.263        | 30.00            | -5.80       |
|           | 256-QAM  | 3500.01         | 2.50            | 1 / 1          | 26.55                 | 29.05        | 0.804        | 30.00            | -0.95       |
| 15 MHz    | π/2 BPSK | 3500.01         | 2.50            | 1 / 1          | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
|           |          | 3542.49         | 2.50            | 1 / 1          | 26.46                 | 28.96        | 0.787        | 30.00            | -1.04       |
|           |          | 3547.50         | 2.50            | 1 / 18         | 26.54                 | 29.04        | 0.802        | 30.00            | -0.96       |
|           | QPSK     | 3500.01         | 2.50            | 1 / 36         | 26.54                 | 29.04        | 0.802        | 30.00            | -0.96       |
|           |          | 3542.49         | 2.50            | 1 / 36         | 26.51                 | 29.01        | 0.796        | 30.00            | -0.99       |
|           |          | 3547.50         | 2.50            | 1 / 18         | 26.60                 | 29.10        | 0.813        | 30.00            | -0.90       |
|           | 16-QAM   | 3542.49         | 2.50            | 1 / 18         | 25.60                 | 28.10        | 0.646        | 30.00            | -1.90       |
|           | 64-QAM   | 3500.01         | 2.50            | 1 / 36         | 24.54                 | 27.04        | 0.506        | 30.00            | -2.96       |
|           | 256-QAM  | 3500.01         | 2.50            | 1 / 1          | 21.69                 | 24.19        | 0.262        | 30.00            | -5.81       |
|           | 256-QAM  | 3540.00         | 2.50            | 1 / 1          | 26.56                 | 29.06        | 0.805        | 30.00            | -0.94       |
| 20 MHz    | π/2 BPSK | 3500.01         | 2.50            | 1 / 25         | 26.55                 | 29.05        | 0.804        | 30.00            | -0.95       |
|           |          | 3540.00         | 2.50            | 1 / 1          | 26.46                 | 28.96        | 0.787        | 30.00            | -1.04       |
|           |          | 3546.02         | 2.50            | 1 / 49         | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
|           | QPSK     | 3500.01         | 2.50            | 1 / 25         | 26.55                 | 29.05        | 0.804        | 30.00            | -0.95       |
|           |          | 3540.00         | 2.50            | 1 / 25         | 26.39                 | 28.89        | 0.774        | 30.00            | -1.11       |
|           |          | 3546.02         | 2.50            | 1 / 25         | 25.62                 | 28.12        | 0.649        | 30.00            | -1.88       |
|           | 16-QAM   | 3540.00         | 2.50            | 1 / 25         | 24.62                 | 27.12        | 0.515        | 30.00            | -2.88       |
|           | 64-QAM   | 3540.00         | 2.50            | 1 / 1          | 21.71                 | 24.21        | 0.264        | 30.00            | -5.79       |
|           | 256-QAM  | 3540.00         | 2.50            | 1 / 1          | 21.71                 | 24.21        | 0.264        | 30.00            | -5.79       |
|           | 256-QAM  | 3465.00         | 2.50            | 1 / 76         | 26.59                 | 29.09        | 0.811        | 30.00            | -0.91       |
| 30 MHz    | π/2 BPSK | 3500.01         | 2.50            | 1 / 1          | 26.44                 | 28.94        | 0.783        | 30.00            | -1.06       |
|           |          | 3534.99         | 2.50            | 1 / 76         | 26.41                 | 28.91        | 0.778        | 30.00            | -1.09       |
|           |          | 3465.00         | 2.50            | 1 / 1          | 26.45                 | 28.95        | 0.785        | 30.00            | -1.05       |
|           | QPSK     | 3500.01         | 2.50            | 1 / 1          | 26.58                 | 29.08        | 0.809        | 30.00            | -0.92       |
|           |          | 3534.99         | 2.50            | 1 / 76         | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
|           |          | 3465.00         | 2.50            | 1 / 36         | 25.50                 | 28.00        | 0.631        | 30.00            | -2.00       |
|           | 16-QAM   | 3534.99         | 2.50            | 1 / 1          | 24.54                 | 27.04        | 0.506        | 30.00            | -2.96       |
|           | 64-QAM   | 3534.99         | 2.50            | 1 / 36         | 21.58                 | 24.08        | 0.256        | 30.00            | -5.92       |
|           | 256-QAM  | 3534.99         | 2.50            | 1 / 36         | 21.58                 | 24.08        | 0.256        | 30.00            | -5.92       |
|           | 256-QAM  | 3470.01         | 2.50            | 1 / 1          | 26.50                 | 29.00        | 0.794        | 30.00            | -1.00       |
| 40 MHz    | π/2 BPSK | 3500.01         | 2.50            | 1 / 1          | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
|           |          | 3529.98         | 2.50            | 1 / 50         | 26.49                 | 28.99        | 0.793        | 30.00            | -1.01       |
|           |          | 3470.01         | 2.50            | 1 / 50         | 26.51                 | 29.01        | 0.796        | 30.00            | -0.99       |
|           | QPSK     | 3500.01         | 2.50            | 1 / 104        | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
|           |          | 3529.98         | 2.50            | 1 / 1          | 26.58                 | 29.08        | 0.809        | 30.00            | -0.92       |
|           |          | 3470.01         | 2.50            | 1 / 104        | 25.61                 | 28.11        | 0.647        | 30.00            | -1.89       |
|           | 16-QAM   | 3529.98         | 2.50            | 1 / 104        | 24.63                 | 27.13        | 0.516        | 30.00            | -2.87       |
|           | 64-QAM   | 3470.01         | 2.50            | 1 / 50         | 21.62                 | 24.12        | 0.258        | 30.00            | -5.88       |
|           | 256-QAM  | 3529.98         | 2.50            | 1 / 50         | 21.62                 | 24.12        | 0.258        | 30.00            | -5.88       |
|           | 256-QAM  | 3475.02         | 2.50            | 1 / 1          | 26.50                 | 29.00        | 0.794        | 30.00            | -1.00       |
| 50 MHz    | π/2 BPSK | 3500.01         | 2.50            | 1 / 131        | 26.45                 | 28.95        | 0.785        | 30.00            | -1.05       |
|           |          | 3525.00         | 2.50            | 1 / 131        | 26.23                 | 28.73        | 0.746        | 30.00            | -1.27       |
|           |          | 3475.02         | 2.50            | 1 / 131        | 26.46                 | 28.96        | 0.787        | 30.00            | -1.04       |
|           | QPSK     | 3500.01         | 2.50            | 1 / 131        | 26.38                 | 28.88        | 0.773        | 30.00            | -1.12       |
|           |          | 3525.00         | 2.50            | 1 / 1          | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
|           |          | 3475.02         | 2.50            | 1 / 1          | 25.49                 | 27.99        | 0.630        | 30.00            | -2.01       |
|           | 16-QAM   | 3525.00         | 2.50            | 1 / 1          | 24.53                 | 27.03        | 0.505        | 30.00            | -2.97       |
|           | 64-QAM   | 3525.00         | 2.50            | 1 / 131        | 21.68                 | 24.18        | 0.262        | 30.00            | -5.82       |
|           | 256-QAM  | 3525.00         | 2.50            | 1 / 131        | 21.68                 | 24.18        | 0.262        | 30.00            | -5.82       |
|           | 256-QAM  | 3480.00         | 2.50            | 1 / 81         | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
| 60 MHz    | π/2 BPSK | 3500.01         | 2.50            | 1 / 1          | 26.51                 | 29.01        | 0.796        | 30.00            | -0.99       |
|           |          | 3519.99         | 2.50            | 1 / 1          | 26.55                 | 29.05        | 0.804        | 30.00            | -0.95       |
|           |          | 3480.00         | 2.50            | 1 / 81         | 26.55                 | 29.05        | 0.804        | 30.00            | -0.95       |
|           | QPSK     | 3500.01         | 2.50            | 1 / 1          | 26.34                 | 28.84        | 0.766        | 30.00            | -1.16       |
|           |          | 3519.99         | 2.50            | 1 / 1          | 26.52                 | 29.02        | 0.798        | 30.00            | -0.98       |
|           |          | 3480.00         | 2.50            | 1 / 81         | 25.52                 | 28.02        | 0.634        | 30.00            | -1.98       |
|           | 16-QAM   | 3500.01         | 2.50            | 1 / 1          | 24.61                 | 27.11        | 0.514        | 30.00            | -2.89       |
|           | 64-QAM   | 3500.01         | 2.50            | 1 / 81         | 21.71                 | 24.21        | 0.264        | 30.00            | -5.79       |
|           | 256-QAM  | 3480.00         | 2.50            | 1 / 81         | 21.71                 | 24.21        | 0.264        | 30.00            | -5.79       |
|           | 256-QAM  | 3485.01         | 2.50            | 1 / 90         | 26.58                 | 29.08        | 0.809        | 30.00            | -0.92       |
| 70 MHz    | π/2 BPSK | 3500.01         | 2.50            | 1 / 1          | 26.59                 | 29.09        | 0.811        | 30.00            | -0.91       |
|           |          | 3514.98         | 2.50            | 1 / 187        | 26.55                 | 29.05        | 0.804        | 30.00            | -0.95       |
|           |          | 3485.01         | 2.50            | 1 / 1          | 26.50                 | 29.00        | 0.794        | 30.00            | -1.00       |
|           | QPSK     | 3500.01         | 2.50            | 1 / 90         | 26.35                 | 28.85        | 0.767        | 30.00            | -1.15       |
|           |          | 3514.98         | 2.50            | 1 / 1          | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
|           |          | 3485.01         | 2.50            | 1 / 187        | 25.56                 | 28.06        | 0.640        | 30.00            | -1.94       |
|           | 16-QAM   | 3514.98         | 2.50            | 1 / 187        | 24.47                 | 26.97        | 0.498        | 30.00            | -3.03       |
|           | 64-QAM   | 3514.98         | 2.50            | 1 / 187        | 21.69                 | 24.19        | 0.262        | 30.00            | -5.81       |
|           | 256-QAM  | 3514.98         | 2.50            | 1 / 187        | 21.69                 | 24.19        | 0.262        | 30.00            | -5.81       |
|           | 256-QAM  | 3490.02         | 2.50            | 1 / 108        | 26.38                 | 28.88        | 0.773        | 30.00            | -1.12       |
| 80 MHz    | π/2 BPSK | 3500.01         | 2.50            | 1 / 1          | 26.41                 | 28.91        | 0.778        | 30.00            | -1.09       |
|           |          | 3510.00         | 2.50            | 1 / 1          | 26.27                 | 28.77        | 0.753        | 30.00            | -1.23       |
|           |          | 3490.02         | 2.50            | 1 / 215        | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
|           | QPSK     | 3500.01         | 2.50            | 1 / 215        | 26.53                 | 29.03        | 0.800        | 30.00            | -0.97       |
|           |          | 3510.00         | 2.50            | 1 / 1          | 26.48                 | 28.98        | 0.791        | 30.00            | -1.02       |
|           |          | 3490.02         | 2.50            | 1 / 215        | 25.61                 | 28.11        | 0.647        | 30.00            | -1.89       |
|           | 16-QAM   | 3510.00         | 2.50            | 1 / 108        | 24.61                 | 27.11        | 0.514        | 30.00            | -2.89       |
|           | 64-QAM   | 3490.02         | 2.50            | 1 / 108        | 21.66                 | 24.16        | 0.261        | 30.00            | -5.84       |
|           | 256-QAM  | 3490.02         | 2.50            | 1 / 108        | 21.66                 | 24.16        | 0.261        | 30.00            | -5.84       |
|           | 256-QAM  | 3495.00         | 2.50            | 1 / 120        | 26.38                 | 28.88        | 0.773        | 30.00            | -1.12       |
|           | 256-QAM  | 3504.99         | 2.50            | 1 / 243        | 26.50                 | 29.00        | 0.794        | 30.00            | -1.00       |
| 90 MHz    | π/2 BPSK | 3504.99         | 2.50            | 1 / 120        | 26.52                 | 29.02        | 0.798        | 30.00            | -0.98       |
|           |          | 3495.00         | 2.50            | 1 / 1          | 26.48                 | 28.98        | 0.791        | 30.00            | -1.02       |
|           |          | 3500.01         | 2.50            | 1 / 243        | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
|           | QPSK     | 3504.99         | 2.50            | 1 / 243        | 26.58                 | 29.08        | 0.809        | 30.00            | -0.92       |
|           |          | 3504.99         | 2.50            | 1 / 1          | 25.61                 | 28.11        | 0.647        | 30.00            | -1.89       |
|           |          | 3495.00         | 2.50            | 1 / 1          | 24.54                 | 27.04        | 0.506        | 30.00            | -2.96       |
|           | 16-QAM   | 3500.01         | 2.50            | 1 / 1          | 21.72                 | 24.22        | 0.264        | 30.00            | -5.78       |
|           | 64-QAM   | 3500.01         | 2.50            | 1 / 271        | 26.60                 | <b>29.10</b> | 0.813        | 30.00            | -0.90       |
|           | 256-QAM  | 3500.01         | 2.50            | 1 / 135        | 26.52                 | 29.02        | 0.798        | 30.00            | -0.98       |
|           | 256-QAM  | 3500.01         | 2.50            | 1 / 1          | 25.55                 | 28.05        | 0.638        | 30.00            | -1.95       |
|           | 256-QAM  | 3500.01         | 2.50            | 1 / 1          | 24.60                 | 27.10        | 0.513        | 30.00            | -2.90       |
| 100 MHz   | π/2 BPSK | 3500.01         | 2.50            | 1 / 271        | 21.64                 | 24.14        | 0.259        | 30.00            | -5.86       |
|           |          | 3500.01         | 2.50            | 1 / 271        | 21.64                 | 24.14        | 0.259        | 30.00            | -5.86       |
|           |          | 3500.01         | 2.50            | 1 / 271        | 21.64                 | 24.14        | 0.259        | 30.00            | -5.86       |
|           | QPSK     | 3500.01         | 2.50            | 1 / 135        | 26.52                 | 29.02        | 0.798        | 30.00            | -0.98       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 25.55                 | 28.05        | 0.638        | 30.00            | -1.95       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 24.60                 | 27.10        | 0.513        | 30.00            | -2.90       |
|           | 16-QAM   | 3500.01         | 2.50            | 1 / 1          | 21.64                 | 24.14        | 0.259        | 30.00            | -5.86       |
|           | 64-QAM   | 3500.01         | 2.50            | 1 / 271        | 21.64                 | 24.14        | 0.259        | 30.00            | -5.86       |
|           | 256-QAM  | 3500.01         | 2.50            | 1 / 271        | 21.64                 | 24.14        | 0.259        | 30.00            | -5.86       |
|           | 256-QAM  | 3500.01         | 2.50            | 1 / 271        | 21.64                 | 24.14        | 0.259        | 30.00            | -5.86       |
|           | 256-QAM  | 3500.01         | 2.50            | 1 / 271        | 21.64                 | 24.14        | 0.259        | 30.00            | -5.86       |

Table 7-2. Antenna 3b EIRP Data (NR Band n77 (PC2) – DoD Band)

|                  |  |
|------------------|--|
| FCC ID: BCGA3267 |  |
|------------------|--|

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3455.01         | 2.50            | 1 / 1          | 25.50                 | <b>28.00</b> | 0.631        | 30.00            | -2.00       |
|           |          | 3500.01         | 2.50            | 1 / 12         | 25.45                 | 27.95        | 0.624        | 30.00            | -2.05       |
|           |          | 3544.98         | 2.50            | 1 / 12         | 25.51                 | 28.01        | 0.632        | 30.00            | -1.99       |
|           | QPSK     | 3455.01         | 2.50            | 1 / 12         | 25.67                 | 28.17        | 0.656        | 30.00            | -1.83       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           |          | 3544.98         | 2.50            | 1 / 1          | 25.62                 | 28.12        | 0.649        | 30.00            | -1.88       |
| 15 MHz    | π/2 BPSK | 3455.01         | 2.50            | 1 / 12         | 24.72                 | 27.22        | 0.527        | 30.00            | -2.78       |
|           |          | 3500.01         | 2.50            | 1 / 22         | 23.75                 | 26.25        | 0.422        | 30.00            | -3.75       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 20.84                 | 23.34        | 0.216        | 30.00            | -6.66       |
|           | QPSK     | 3457.50         | 2.50            | 1 / 1          | 25.59                 | 28.09        | 0.644        | 30.00            | -1.91       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           |          | 3542.49         | 2.50            | 1 / 18         | 25.66                 | 28.16        | 0.655        | 30.00            | -1.84       |
| 20 MHz    | π/2 BPSK | 3457.50         | 2.50            | 1 / 36         | 25.52                 | 28.02        | 0.634        | 30.00            | -1.98       |
|           |          | 3500.01         | 2.50            | 1 / 36         | 25.39                 | 27.89        | 0.615        | 30.00            | -2.11       |
|           |          | 3542.49         | 2.50            | 1 / 18         | 25.61                 | 28.11        | 0.647        | 30.00            | -1.89       |
|           | QPSK     | 3452.49         | 2.50            | 1 / 36         | 24.69                 | 27.19        | 0.524        | 30.00            | -2.81       |
|           |          | 3542.49         | 2.50            | 1 / 1          | 23.70                 | 26.20        | 0.417        | 30.00            | -3.80       |
|           |          | 3457.50         | 2.50            | 1 / 18         | 20.73                 | 23.23        | 0.210        | 30.00            | -6.77       |
| 25 MHz    | π/2 BPSK | 3460.02         | 2.50            | 1 / 49         | 25.69                 | 28.19        | 0.659        | 30.00            | -1.81       |
|           |          | 3500.01         | 2.50            | 1 / 49         | 25.69                 | 28.19        | 0.659        | 30.00            | -1.81       |
|           |          | 3540.00         | 2.50            | 1 / 1          | 25.51                 | 28.01        | 0.632        | 30.00            | -1.99       |
|           | QPSK     | 3460.02         | 2.50            | 1 / 25         | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           |          | 3540.00         | 2.50            | 1 / 25         | 25.66                 | 28.16        | 0.655        | 30.00            | -1.84       |
| 30 MHz    | π/2 BPSK | 3500.01         | 2.50            | 1 / 49         | 24.68                 | 27.18        | 0.522        | 30.00            | -2.82       |
|           |          | 3500.01         | 2.50            | 1 / 49         | 23.70                 | 26.20        | 0.417        | 30.00            | -3.80       |
|           |          | 3500.01         | 2.50            | 1 / 49         | 20.72                 | 23.22        | 0.210        | 30.00            | -6.78       |
|           | QPSK     | 3465.00         | 2.50            | 1 / 36         | 25.51                 | 28.01        | 0.632        | 30.00            | -1.99       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 25.68                 | 28.18        | 0.658        | 30.00            | -1.82       |
|           |          | 3534.99         | 2.50            | 1 / 76         | 25.55                 | 28.05        | 0.638        | 30.00            | -1.95       |
| 35 MHz    | π/2 BPSK | 3465.00         | 2.50            | 1 / 76         | 25.62                 | 28.12        | 0.649        | 30.00            | -1.88       |
|           |          | 3500.01         | 2.50            | 1 / 76         | 25.51                 | 28.01        | 0.632        | 30.00            | -1.99       |
|           |          | 3534.99         | 2.50            | 1 / 1          | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           | QPSK     | 3465.00         | 2.50            | 1 / 1          | 24.69                 | 27.19        | 0.524        | 30.00            | -2.81       |
|           |          | 3534.99         | 2.50            | 1 / 76         | 23.63                 | 26.13        | 0.410        | 30.00            | -3.87       |
|           |          | 3465.00         | 2.50            | 1 / 1          | 20.65                 | 23.15        | 0.207        | 30.00            | -6.85       |
| 40 MHz    | π/2 BPSK | 3470.01         | 2.50            | 1 / 1          | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           |          | 3500.01         | 2.50            | 1 / 50         | 25.52                 | 28.02        | 0.634        | 30.00            | -1.98       |
|           |          | 3529.98         | 2.50            | 1 / 104        | 25.51                 | 28.01        | 0.632        | 30.00            | -1.99       |
|           | QPSK     | 3470.01         | 2.50            | 1 / 104        | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 25.55                 | 28.05        | 0.638        | 30.00            | -1.95       |
|           |          | 3529.98         | 2.50            | 1 / 50         | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
| 45 MHz    | π/2 BPSK | 3470.01         | 2.50            | 1 / 50         | 24.72                 | 27.22        | 0.527        | 30.00            | -2.78       |
|           |          | 3470.01         | 2.50            | 1 / 104        | 23.73                 | 26.23        | 0.420        | 30.00            | -3.77       |
|           |          | 3500.01         | 2.50            | 1 / 104        | 20.77                 | 23.27        | 0.212        | 30.00            | -6.73       |
|           | QPSK     | 3475.02         | 2.50            | 1 / 64         | 25.66                 | 28.16        | 0.655        | 30.00            | -1.84       |
|           |          | 3500.01         | 2.50            | 1 / 64         | 25.57                 | 28.07        | 0.641        | 30.00            | -1.93       |
|           |          | 3525.00         | 2.50            | 1 / 131        | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
| 50 MHz    | π/2 BPSK | 3475.02         | 2.50            | 1 / 131        | 25.67                 | 28.17        | 0.656        | 30.00            | -1.83       |
|           |          | 3500.01         | 2.50            | 1 / 64         | 25.42                 | 27.92        | 0.619        | 30.00            | -2.08       |
|           |          | 3525.00         | 2.50            | 1 / 64         | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           | QPSK     | 3500.01         | 2.50            | 1 / 64         | 24.72                 | 27.22        | 0.527        | 30.00            | -2.78       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 23.70                 | 26.20        | 0.417        | 30.00            | -3.80       |
|           |          | 3500.01         | 2.50            | 1 / 64         | 20.76                 | 23.26        | 0.212        | 30.00            | -6.74       |
| 55 MHz    | π/2 BPSK | 3480.00         | 2.50            | 1 / 1          | 25.63                 | 28.13        | 0.650        | 30.00            | -1.87       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 25.67                 | 28.17        | 0.656        | 30.00            | -1.83       |
|           |          | 3519.99         | 2.50            | 1 / 1          | 25.69                 | 28.19        | 0.659        | 30.00            | -1.81       |
|           | QPSK     | 3480.00         | 2.50            | 1 / 81         | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           |          | 3500.01         | 2.50            | 1 / 81         | 25.36                 | 27.86        | 0.611        | 30.00            | -2.14       |
|           |          | 3519.99         | 2.50            | 1 / 160        | 25.46                 | 27.96        | 0.625        | 30.00            | -2.04       |
| 60 MHz    | π/2 BPSK | 3480.00         | 2.50            | 1 / 1          | 24.61                 | 27.11        | 0.514        | 30.00            | -2.89       |
|           |          | 3519.99         | 2.50            | 1 / 160        | 23.68                 | 26.18        | 0.415        | 30.00            | -3.82       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 20.78                 | 23.28        | 0.213        | 30.00            | -6.72       |
|           | QPSK     | 3485.01         | 2.50            | 1 / 1          | 25.52                 | 28.02        | 0.634        | 30.00            | -1.98       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 25.44                 | 27.94        | 0.622        | 30.00            | -2.06       |
|           |          | 3514.98         | 2.50            | 1 / 187        | 25.68                 | 28.18        | 0.658        | 30.00            | -1.82       |
| 65 MHz    | π/2 BPSK | 3485.01         | 2.50            | 1 / 1          | 25.68                 | 28.18        | 0.658        | 30.00            | -1.82       |
|           |          | 3500.01         | 2.50            | 1 / 187        | 25.55                 | 28.05        | 0.638        | 30.00            | -1.95       |
|           |          | 3514.98         | 2.50            | 1 / 187        | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           | QPSK     | 3514.98         | 2.50            | 1 / 90         | 24.72                 | 27.22        | 0.527        | 30.00            | -2.78       |
|           |          | 3500.01         | 2.50            | 1 / 90         | 23.67                 | 26.17        | 0.414        | 30.00            | -3.83       |
|           |          | 3485.01         | 2.50            | 1 / 90         | 20.81                 | 23.31        | 0.214        | 30.00            | -6.69       |
| 70 MHz    | π/2 BPSK | 3490.02         | 2.50            | 1 / 1          | 25.59                 | 28.09        | 0.644        | 30.00            | -1.91       |
|           |          | 3500.01         | 2.50            | 1 / 108        | 25.52                 | 28.02        | 0.634        | 30.00            | -1.98       |
|           |          | 3510.00         | 2.50            | 1 / 1          | 25.57                 | 28.07        | 0.641        | 30.00            | -1.93       |
|           | QPSK     | 3490.02         | 2.50            | 1 / 1          | 25.69                 | 28.19        | 0.659        | 30.00            | -1.81       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 25.56                 | 28.06        | 0.640        | 30.00            | -1.94       |
|           |          | 3510.00         | 2.50            | 1 / 215        | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
| 75 MHz    | π/2 BPSK | 3510.00         | 2.50            | 1 / 108        | 24.69                 | 27.19        | 0.524        | 30.00            | -2.81       |
|           |          | 3500.01         | 2.50            | 1 / 108        | 23.57                 | 26.07        | 0.405        | 30.00            | -3.93       |
|           |          | 3510.00         | 2.50            | 1 / 215        | 20.81                 | 23.31        | 0.214        | 30.00            | -6.69       |
|           | QPSK     | 3495.00         | 2.50            | 1 / 1          | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 25.67                 | 28.17        | 0.656        | 30.00            | -1.83       |
|           |          | 3504.99         | 2.50            | 1 / 1          | 25.68                 | 28.18        | 0.658        | 30.00            | -1.82       |
| 80 MHz    | π/2 BPSK | 3495.00         | 2.50            | 1 / 120        | 25.57                 | 28.07        | 0.641        | 30.00            | -1.93       |
|           |          | 3500.01         | 2.50            | 1 / 120        | 25.69                 | 28.19        | 0.659        | 30.00            | -1.81       |
|           |          | 3504.99         | 2.50            | 1 / 120        | 25.56                 | 28.06        | 0.640        | 30.00            | -1.94       |
|           | QPSK     | 3504.99         | 2.50            | 1 / 243        | 24.62                 | 27.12        | 0.515        | 30.00            | -2.88       |
|           |          | 3504.99         | 2.50            | 1 / 243        | 23.66                 | 26.16        | 0.413        | 30.00            | -3.84       |
|           |          | 3504.99         | 2.50            | 1 / 1          | 20.79                 | 23.29        | 0.213        | 30.00            | -6.71       |
| 85 MHz    | π/2 BPSK | 3500.01         | 2.50            | 1 / 135        | 25.62                 | 28.12        | 0.649        | 30.00            | -1.88       |
|           |          | 3500.01         | 2.50            | 1 / 1          | 25.70                 | <b>28.20</b> | 0.661        | 30.00            | -1.80       |
|           |          | 3500.01         | 2.50            | 1 / 135        | 24.54                 | 27.04        | 0.506        | 30.00            | -2.96       |
|           | QPSK     | 3500.01         | 2.50            | 1 / 1          | 23.71                 | 26.21        | 0.418        | 30.00            | -3.79       |
|           |          | 3500.01         | 2.50            | 1 / 271        | 20.80                 | 23.30        | 0.214        | 30.00            | -6.70       |
|           |          | 3500.01         | 2.50            | 1 / 271        | 20.80                 | 23.30        | 0.214        | 30.00            | -6.70       |

Table 7-3. Antenna 3b EIRP Data (NR Band n77 (PC3) – DoD Band)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 234 of 265                   |

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| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3705.00         | 2.90            | 1 / 1          | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           |          | 3840.00         | 2.90            | 1 / 22         | 26.52                 | 29.42        | 0.875        | 30.00            | -0.58       |
|           |          | 3975.00         | 2.90            | 1 / 1          | 26.53                 | 29.43        | 0.877        | 30.00            | -0.57       |
|           | QPSK     | 3705.00         | 2.90            | 1 / 12         | 26.33                 | 29.23        | 0.838        | 30.00            | -0.77       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.53                 | 29.43        | 0.877        | 30.00            | -0.57       |
|           |          | 3975.00         | 2.90            | 1 / 22         | 26.57                 | <b>29.47</b> | 0.885        | 30.00            | -0.53       |
|           | 16-QAM   | 3840.00         | 2.90            | 1 / 1          | 25.58                 | 28.48        | 0.705        | 30.00            | -1.52       |
|           | 64-QAM   | 3975.00         | 2.90            | 1 / 12         | 24.57                 | 27.47        | 0.558        | 30.00            | -2.53       |
|           | 256-QAM  | 3705.00         | 2.90            | 1 / 12         | 21.69                 | 24.59        | 0.288        | 30.00            | -5.41       |
| 15 MHz    | π/2 BPSK | 3707.51         | 2.90            | 1 / 36         | 26.56                 | 29.46        | 0.883        | 30.00            | -0.54       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.48                 | 29.38        | 0.867        | 30.00            | -0.62       |
|           |          | 3972.50         | 2.90            | 1 / 1          | 26.31                 | 29.21        | 0.834        | 30.00            | -0.79       |
|           | QPSK     | 3707.51         | 2.90            | 1 / 1          | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           |          | 3840.00         | 2.90            | 1 / 18         | 26.57                 | 29.47        | 0.885        | 30.00            | -0.53       |
|           |          | 3972.50         | 2.90            | 1 / 1          | 26.57                 | 29.47        | 0.885        | 30.00            | -0.53       |
|           | 16-QAM   | 3840.00         | 2.90            | 1 / 1          | 25.63                 | 28.53        | 0.713        | 30.00            | -1.47       |
|           | 64-QAM   | 3972.50         | 2.90            | 1 / 36         | 24.49                 | 27.39        | 0.548        | 30.00            | -2.61       |
|           | 256-QAM  | 3707.51         | 2.90            | 1 / 1          | 21.69                 | 24.59        | 0.288        | 30.00            | -5.41       |
| 20 MHz    | π/2 BPSK | 3710.01         | 2.90            | 1 / 49         | 26.30                 | 29.20        | 0.832        | 30.00            | -0.80       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           |          | 3969.99         | 2.90            | 1 / 25         | 26.57                 | 29.47        | 0.885        | 30.00            | -0.53       |
|           | QPSK     | 3710.01         | 2.90            | 1 / 1          | 26.36                 | 29.26        | 0.843        | 30.00            | -0.74       |
|           |          | 3840.00         | 2.90            | 1 / 25         | 26.56                 | 29.46        | 0.883        | 30.00            | -0.54       |
|           |          | 3969.99         | 2.90            | 1 / 1          | 26.51                 | 29.41        | 0.873        | 30.00            | -0.59       |
|           | 16-QAM   | 3840.00         | 2.90            | 1 / 1          | 25.59                 | 28.49        | 0.706        | 30.00            | -1.51       |
|           | 64-QAM   | 3969.99         | 2.90            | 1 / 49         | 24.57                 | 27.47        | 0.558        | 30.00            | -2.53       |
|           | 256-QAM  | 3969.99         | 2.90            | 1 / 1          | 21.70                 | 24.60        | 0.288        | 30.00            | -5.40       |
| 30 MHz    | π/2 BPSK | 3715.02         | 2.90            | 1 / 1          | 26.46                 | 29.36        | 0.863        | 30.00            | -0.64       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.55                 | 29.45        | 0.881        | 30.00            | -0.55       |
|           |          | 3964.98         | 2.90            | 1 / 76         | 26.36                 | 29.26        | 0.843        | 30.00            | -0.74       |
|           | QPSK     | 3715.02         | 2.90            | 1 / 1          | 26.56                 | 29.46        | 0.883        | 30.00            | -0.54       |
|           |          | 3840.00         | 2.90            | 1 / 36         | 26.55                 | 29.45        | 0.881        | 30.00            | -0.55       |
|           |          | 3964.98         | 2.90            | 1 / 76         | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           | 16-QAM   | 3964.98         | 2.90            | 1 / 76         | 25.61                 | 28.51        | 0.710        | 30.00            | -1.49       |
|           | 64-QAM   | 3964.98         | 2.90            | 1 / 36         | 24.62                 | 27.52        | 0.565        | 30.00            | -2.48       |
|           | 256-QAM  | 3964.98         | 2.90            | 1 / 76         | 21.65                 | 24.55        | 0.285        | 30.00            | -5.45       |
| 40 MHz    | π/2 BPSK | 3720.00         | 2.90            | 1 / 104        | 26.55                 | 29.45        | 0.881        | 30.00            | -0.55       |
|           |          | 3840.00         | 2.90            | 1 / 104        | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           |          | 3960.00         | 2.90            | 1 / 1          | 26.37                 | 29.27        | 0.845        | 30.00            | -0.73       |
|           | QPSK     | 3720.00         | 2.90            | 1 / 104        | 26.39                 | 29.29        | 0.849        | 30.00            | -0.71       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.47                 | 29.37        | 0.865        | 30.00            | -0.63       |
|           |          | 3960.00         | 2.90            | 1 / 50         | 26.53                 | 29.43        | 0.877        | 30.00            | -0.57       |
|           | 16-QAM   | 3960.00         | 2.90            | 1 / 50         | 25.53                 | 28.43        | 0.697        | 30.00            | -1.57       |
|           | 64-QAM   | 3720.00         | 2.90            | 1 / 104        | 24.60                 | 27.50        | 0.562        | 30.00            | -2.50       |
|           | 256-QAM  | 3840.00         | 2.90            | 1 / 50         | 21.68                 | 24.58        | 0.287        | 30.00            | -5.42       |
| 50 MHz    | π/2 BPSK | 3725.01         | 2.90            | 1 / 64         | 26.55                 | 29.45        | 0.881        | 30.00            | -0.55       |
|           |          | 3840.00         | 2.90            | 1 / 131        | 26.53                 | 29.43        | 0.877        | 30.00            | -0.57       |
|           |          | 3954.99         | 2.90            | 1 / 64         | 26.53                 | 29.43        | 0.877        | 30.00            | -0.57       |
|           | QPSK     | 3725.01         | 2.90            | 1 / 1          | 26.57                 | 29.47        | 0.885        | 30.00            | -0.53       |
|           |          | 3840.00         | 2.90            | 1 / 64         | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           |          | 3954.99         | 2.90            | 1 / 131        | 26.43                 | 29.33        | 0.857        | 30.00            | -0.67       |
|           | 16-QAM   | 3954.99         | 2.90            | 1 / 64         | 25.65                 | 28.55        | 0.716        | 30.00            | -1.45       |
|           | 64-QAM   | 3840.00         | 2.90            | 1 / 131        | 24.65                 | 27.55        | 0.569        | 30.00            | -2.45       |
|           | 256-QAM  | 3725.01         | 2.90            | 1 / 1          | 21.49                 | 24.39        | 0.275        | 30.00            | -5.61       |
| 60 MHz    | π/2 BPSK | 3730.02         | 2.90            | 1 / 160        | 26.47                 | 29.37        | 0.865        | 30.00            | -0.63       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.53                 | 29.43        | 0.877        | 30.00            | -0.57       |
|           |          | 3949.98         | 2.90            | 1 / 1          | 26.42                 | 29.32        | 0.855        | 30.00            | -0.68       |
|           | QPSK     | 3730.02         | 2.90            | 1 / 1          | 26.55                 | 29.45        | 0.881        | 30.00            | -0.55       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           |          | 3949.98         | 2.90            | 1 / 81         | 26.37                 | 29.27        | 0.845        | 30.00            | -0.73       |
|           | 16-QAM   | 3730.02         | 2.90            | 1 / 160        | 25.60                 | 28.50        | 0.708        | 30.00            | -1.50       |
|           | 64-QAM   | 3949.98         | 2.90            | 1 / 81         | 24.57                 | 27.47        | 0.558        | 30.00            | -2.53       |
|           | 256-QAM  | 3730.02         | 2.90            | 1 / 160        | 21.69                 | 24.59        | 0.288        | 30.00            | -5.41       |
| 70 MHz    | π/2 BPSK | 3735.00         | 2.90            | 1 / 187        | 26.57                 | 29.47        | 0.885        | 30.00            | -0.53       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.50                 | 29.40        | 0.871        | 30.00            | -0.60       |
|           |          | 3945.00         | 2.90            | 1 / 90         | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           | QPSK     | 3735.00         | 2.90            | 1 / 90         | 26.47                 | 29.37        | 0.865        | 30.00            | -0.63       |
|           |          | 3840.00         | 2.90            | 1 / 90         | 26.59                 | 29.49        | 0.889        | 30.00            | -0.51       |
|           |          | 3945.00         | 2.90            | 1 / 187        | 26.44                 | 29.34        | 0.859        | 30.00            | -0.66       |
|           | 16-QAM   | 3945.00         | 2.90            | 1 / 187        | 25.62                 | 28.52        | 0.711        | 30.00            | -1.48       |
|           | 64-QAM   | 3945.00         | 2.90            | 1 / 90         | 24.64                 | 27.54        | 0.568        | 30.00            | -2.46       |
|           | 256-QAM  | 3840.00         | 2.90            | 1 / 1          | 21.72                 | 24.62        | 0.290        | 30.00            | -5.38       |
| 80 MHz    | π/2 BPSK | 3740.01         | 2.90            | 1 / 1          | 26.56                 | 29.46        | 0.883        | 30.00            | -0.54       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.59                 | 29.49        | 0.889        | 30.00            | -0.51       |
|           |          | 3939.99         | 2.90            | 1 / 1          | 26.39                 | 29.29        | 0.849        | 30.00            | -0.71       |
|           | QPSK     | 3740.01         | 2.90            | 1 / 1          | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.44                 | 29.34        | 0.859        | 30.00            | -0.66       |
|           |          | 3939.99         | 2.90            | 1 / 1          | 26.59                 | 29.49        | 0.889        | 30.00            | -0.51       |
|           | 16-QAM   | 3939.99         | 2.90            | 1 / 1          | 25.60                 | 28.50        | 0.708        | 30.00            | -1.50       |
|           | 64-QAM   | 3740.01         | 2.90            | 1 / 215        | 24.59                 | 27.49        | 0.561        | 30.00            | -2.51       |
|           | 256-QAM  | 3939.99         | 2.90            | 1 / 215        | 21.61                 | 24.51        | 0.282        | 30.00            | -5.49       |
| 90 MHz    | π/2 BPSK | 3745.02         | 2.90            | 1 / 120        | 26.41                 | 29.31        | 0.853        | 30.00            | -0.69       |
|           |          | 3840.00         | 2.90            | 1 / 120        | 26.47                 | 29.37        | 0.865        | 30.00            | -0.63       |
|           |          | 3934.98         | 2.90            | 1 / 120        | 26.52                 | 29.42        | 0.875        | 30.00            | -0.58       |
|           | QPSK     | 3745.02         | 2.90            | 1 / 120        | 26.45                 | 29.35        | 0.861        | 30.00            | -0.65       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.54                 | 29.44        | 0.879        | 30.00            | -0.56       |
|           |          | 3934.98         | 2.90            | 1 / 1          | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           | 16-QAM   | 3840.00         | 2.90            | 1 / 120        | 25.58                 | 28.48        | 0.705        | 30.00            | -1.52       |
|           | 64-QAM   | 3745.02         | 2.90            | 1 / 1          | 24.59                 | 27.49        | 0.561        | 30.00            | -2.51       |
|           | 256-QAM  | 3934.98         | 2.90            | 1 / 1          | 21.59                 | 24.49        | 0.281        | 30.00            | -5.51       |
| 100 MHz   | π/2 BPSK | 3750.00         | 2.90            | 1 / 1          | 26.38                 | 29.28        | 0.847        | 30.00            | -0.72       |
|           |          | 3840.00         | 2.90            | 1 / 135        | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           |          | 3930.00         | 2.90            | 1 / 271        | 26.48                 | 29.38        | 0.867        | 30.00            | -0.62       |
|           | QPSK     | 3750.00         | 2.90            | 1 / 1          | 26.46                 | 29.36        | 0.863        | 30.00            | -0.64       |
|           |          | 3840.00         | 2.90            | 1 / 1          | 26.29                 | 29.19        | 0.830        | 30.00            | -0.81       |
|           |          | 3930.00         | 2.90            | 1 / 271        | 26.60                 | <b>29.50</b> | 0.891        | 30.00            | -0.50       |
|           | 16-QAM   | 3840.00         | 2.90            | 1 / 1          | 25.58                 | 28.48        | 0.705        | 33.01            | -4.53       |
|           | 64-QAM   | 3840.00         | 2.90            | 1 / 135        | 24.51                 | 27.41        | 0.551        | 33.01            | -5.60       |
|           | 256-QAM  | 3750.00         | 2.90            | 1 / 271        | 21.52                 | 24.42        | 0.277        | 33.01            | -8.59       |

Table 7-4. Antenna 3b EIRP Data (NR Band n77 (PC2) – C Band)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 235 of 265                   |

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| Bandwidth | Mod.      | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|-----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 10 MHz    | 11/2 BPSK | 3705.00         | 2.90            | 1 / 22         | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
|           |           | 3840.00         | 2.90            | 1 / 22         | 25.60                 | 28.50      | 0.708        | 30.00            | -1.50       |
|           |           | 3975.00         | 2.90            | 1 / 12         | 25.50                 | 28.40      | 0.692        | 30.00            | -1.60       |
|           | QPSK      | 3705.00         | 2.90            | 1 / 1          | 25.68                 | 28.58      | 0.721        | 30.00            | -1.42       |
|           |           | 3840.00         | 2.90            | 1 / 12         | 25.67                 | 28.57      | 0.719        | 30.00            | -1.43       |
|           |           | 3975.00         | 2.90            | 1 / 22         | 25.63                 | 28.53      | 0.713        | 30.00            | -1.47       |
|           | 16-QAM    | 3975.00         | 2.90            | 1 / 12         | 24.67                 | 27.57      | 0.571        | 30.00            | -2.43       |
|           | 64-QAM    | 3840.00         | 2.90            | 1 / 22         | 23.69                 | 26.59      | 0.456        | 30.00            | -3.41       |
|           | 256-QAM   | 3840.00         | 2.90            | 1 / 12         | 20.81                 | 23.71      | 0.235        | 30.00            | -6.29       |
|           | 15 MHz    | 11/2 BPSK       | 3707.51         | 2.90           | 1 / 1                 | 25.63      | 28.53        | 0.713            | 30.00       |
| 3840.00   |           |                 | 2.90            | 1 / 18         | 25.68                 | 28.58      | 0.721        | 30.00            | -1.42       |
| 3972.50   |           |                 | 2.90            | 1 / 1          | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
| QPSK      |           | 3707.51         | 2.90            | 1 / 18         | 25.37                 | 28.27      | 0.671        | 30.00            | -1.73       |
|           |           | 3840.00         | 2.90            | 1 / 36         | 25.62                 | 28.52      | 0.711        | 30.00            | -1.48       |
|           |           | 3972.50         | 2.90            | 1 / 18         | 25.49                 | 28.39      | 0.690        | 30.00            | -1.61       |
| 16-QAM    |           | 3972.50         | 2.90            | 1 / 36         | 24.61                 | 27.51      | 0.564        | 30.00            | -2.49       |
| 64-QAM    |           | 3840.00         | 2.90            | 1 / 36         | 23.60                 | 26.50      | 0.447        | 30.00            | -3.50       |
| 256-QAM   |           | 3840.00         | 2.90            | 1 / 1          | 20.70                 | 23.60      | 0.229        | 30.00            | -6.40       |
| 20 MHz    |           | 11/2 BPSK       | 3710.01         | 2.90           | 1 / 25                | 25.35      | 28.25        | 0.668            | 30.00       |
|           | 3840.00   |                 | 2.90            | 1 / 49         | 25.49                 | 28.39      | 0.690        | 30.00            | -1.61       |
|           | 3969.99   |                 | 2.90            | 1 / 1          | 25.64                 | 28.54      | 0.714        | 30.00            | -1.46       |
|           | QPSK      | 3710.01         | 2.90            | 1 / 49         | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
|           |           | 3840.00         | 2.90            | 1 / 49         | 25.49                 | 28.39      | 0.690        | 30.00            | -1.61       |
|           |           | 3969.99         | 2.90            | 1 / 1          | 25.43                 | 28.33      | 0.681        | 30.00            | -1.67       |
|           | 16-QAM    | 3710.01         | 2.90            | 1 / 25         | 24.65                 | 27.55      | 0.569        | 30.00            | -2.45       |
|           | 64-QAM    | 3840.00         | 2.90            | 1 / 25         | 23.69                 | 26.59      | 0.456        | 30.00            | -3.41       |
|           | 256-QAM   | 3710.01         | 2.90            | 1 / 1          | 20.80                 | 23.70      | 0.234        | 30.00            | -6.30       |
|           | 30 MHz    | 11/2 BPSK       | 3715.02         | 2.90           | 1 / 1                 | 25.64      | 28.54        | 0.714            | 30.00       |
| 3840.00   |           |                 | 2.90            | 1 / 76         | 25.42                 | 28.32      | 0.679        | 30.00            | -1.68       |
| 3964.98   |           |                 | 2.90            | 1 / 76         | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
| QPSK      |           | 3715.02         | 2.90            | 1 / 1          | 25.61                 | 28.51      | 0.710        | 30.00            | -1.49       |
|           |           | 3840.00         | 2.90            | 1 / 1          | 25.40                 | 28.30      | 0.676        | 30.00            | -1.70       |
|           |           | 3964.98         | 2.90            | 1 / 36         | 25.42                 | 28.32      | 0.679        | 30.00            | -1.68       |
| 16-QAM    |           | 3964.98         | 2.90            | 1 / 1          | 24.65                 | 27.55      | 0.569        | 30.00            | -2.45       |
| 64-QAM    |           | 3840.00         | 2.90            | 1 / 36         | 23.70                 | 26.60      | 0.457        | 30.00            | -3.40       |
| 256-QAM   |           | 3715.02         | 2.90            | 1 / 36         | 20.76                 | 23.66      | 0.232        | 30.00            | -6.34       |
| 40 MHz    |           | 11/2 BPSK       | 3720.00         | 2.90           | 1 / 104               | 25.54      | 28.44        | 0.698            | 30.00       |
|           | 3840.00   |                 | 2.90            | 1 / 50         | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
|           | 3960.00   |                 | 2.90            | 1 / 104        | 25.66                 | 28.56      | 0.718        | 30.00            | -1.44       |
|           | QPSK      | 3720.00         | 2.90            | 1 / 104        | 25.69                 | 28.59      | 0.723        | 30.00            | -1.41       |
|           |           | 3840.00         | 2.90            | 1 / 1          | 25.66                 | 28.56      | 0.718        | 30.00            | -1.44       |
|           |           | 3960.00         | 2.90            | 1 / 50         | 25.58                 | 28.48      | 0.705        | 30.00            | -1.52       |
|           | 16-QAM    | 3840.00         | 2.90            | 1 / 50         | 24.69                 | 27.59      | 0.574        | 30.00            | -2.41       |
|           | 64-QAM    | 3840.00         | 2.90            | 1 / 104        | 23.68                 | 26.58      | 0.455        | 30.00            | -3.42       |
|           | 256-QAM   | 3840.00         | 2.90            | 1 / 1          | 20.74                 | 23.64      | 0.231        | 30.00            | -6.36       |
|           | 50 MHz    | 11/2 BPSK       | 3725.01         | 2.90           | 1 / 131               | 25.68      | 28.58        | 0.721            | 30.00       |
| 3840.00   |           |                 | 2.90            | 1 / 1          | 25.48                 | 28.38      | 0.689        | 30.00            | -1.62       |
| 3954.99   |           |                 | 2.90            | 1 / 64         | 25.55                 | 28.45      | 0.700        | 30.00            | -1.55       |
| QPSK      |           | 3725.01         | 2.90            | 1 / 131        | 25.60                 | 28.50      | 0.708        | 30.00            | -1.50       |
|           |           | 3840.00         | 2.90            | 1 / 131        | 25.64                 | 28.54      | 0.714        | 30.00            | -1.46       |
|           |           | 3954.99         | 2.90            | 1 / 131        | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
| 16-QAM    |           | 3725.01         | 2.90            | 1 / 1          | 24.78                 | 27.68      | 0.586        | 30.00            | -2.32       |
| 64-QAM    |           | 3954.99         | 2.90            | 1 / 64         | 23.63                 | 26.53      | 0.450        | 30.00            | -3.47       |
| 256-QAM   |           | 3725.01         | 2.90            | 1 / 131        | 20.89                 | 23.79      | 0.239        | 30.00            | -6.21       |
| 60 MHz    |           | 11/2 BPSK       | 3730.02         | 2.90           | 1 / 1                 | 25.65      | 28.55        | 0.716            | 30.00       |
|           | 3840.00   |                 | 2.90            | 1 / 81         | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
|           | 3949.98   |                 | 2.90            | 1 / 81         | 25.65                 | 28.55      | 0.716        | 30.00            | -1.45       |
|           | QPSK      | 3730.02         | 2.90            | 1 / 160        | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
|           |           | 3840.00         | 2.90            | 1 / 81         | 25.67                 | 28.57      | 0.719        | 30.00            | -1.43       |
|           |           | 3949.98         | 2.90            | 1 / 160        | 25.63                 | 28.53      | 0.713        | 30.00            | -1.47       |
|           | 16-QAM    | 3730.02         | 2.90            | 1 / 160        | 24.73                 | 27.63      | 0.579        | 30.00            | -2.37       |
|           | 64-QAM    | 3949.98         | 2.90            | 1 / 1          | 23.72                 | 26.62      | 0.459        | 30.00            | -3.38       |
|           | 256-QAM   | 3730.02         | 2.90            | 1 / 1          | 20.80                 | 23.70      | 0.234        | 30.00            | -6.30       |
|           | 70 MHz    | 11/2 BPSK       | 3735.00         | 2.90           | 1 / 1                 | 25.57      | 28.47        | 0.703            | 30.00       |
| 3840.00   |           |                 | 2.90            | 1 / 90         | 25.68                 | 28.58      | 0.721        | 30.00            | -1.42       |
| 3945.00   |           |                 | 2.90            | 1 / 187        | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
| QPSK      |           | 3735.00         | 2.90            | 1 / 187        | 25.67                 | 28.57      | 0.719        | 30.00            | -1.43       |
|           |           | 3840.00         | 2.90            | 1 / 90         | 25.67                 | 28.57      | 0.719        | 30.00            | -1.43       |
|           |           | 3945.00         | 2.90            | 1 / 90         | 25.69                 | 28.59      | 0.723        | 30.00            | -1.41       |
| 16-QAM    |           | 3840.00         | 2.90            | 1 / 187        | 24.67                 | 27.57      | 0.571        | 30.00            | -2.43       |
| 64-QAM    |           | 3735.00         | 2.90            | 1 / 1          | 23.70                 | 26.60      | 0.457        | 30.00            | -3.40       |
| 256-QAM   |           | 3735.00         | 2.90            | 1 / 90         | 20.78                 | 23.68      | 0.233        | 30.00            | -6.32       |
| 80 MHz    |           | 11/2 BPSK       | 3740.01         | 2.90           | 1 / 215               | 25.51      | 28.41        | 0.693            | 30.00       |
|           | 3840.00   |                 | 2.90            | 1 / 108        | 25.52                 | 28.42      | 0.695        | 30.00            | -1.58       |
|           | 3939.99   |                 | 2.90            | 1 / 108        | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
|           | QPSK      | 3740.01         | 2.90            | 1 / 215        | 25.67                 | 28.57      | 0.719        | 30.00            | -1.43       |
|           |           | 3840.00         | 2.90            | 1 / 1          | 25.69                 | 28.59      | 0.723        | 30.00            | -1.41       |
|           |           | 3939.99         | 2.90            | 1 / 108        | 25.42                 | 28.32      | 0.679        | 30.00            | -1.68       |
|           | 16-QAM    | 3840.00         | 2.90            | 1 / 215        | 24.66                 | 27.56      | 0.570        | 30.00            | -2.44       |
|           | 64-QAM    | 3939.99         | 2.90            | 1 / 1          | 23.70                 | 26.60      | 0.457        | 30.00            | -3.40       |
|           | 256-QAM   | 3939.99         | 2.90            | 1 / 1          | 20.75                 | 23.65      | 0.232        | 30.00            | -6.35       |
|           | 90 MHz    | 11/2 BPSK       | 3745.02         | 2.90           | 1 / 120               | 25.45      | 28.35        | 0.684            | 30.00       |
| 3840.00   |           |                 | 2.90            | 1 / 1          | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
| 3934.98   |           |                 | 2.90            | 1 / 120        | 25.68                 | 28.58      | 0.721        | 30.00            | -1.42       |
| QPSK      |           | 3745.02         | 2.90            | 1 / 120        | 25.49                 | 28.39      | 0.690        | 30.00            | -1.61       |
|           |           | 3840.00         | 2.90            | 1 / 1          | 25.56                 | 28.46      | 0.701        | 30.00            | -1.54       |
|           |           | 3934.98         | 2.90            | 1 / 120        | 25.58                 | 28.48      | 0.705        | 30.00            | -1.52       |
| 16-QAM    |           | 3840.00         | 2.90            | 1 / 1          | 24.83                 | 27.73      | 0.593        | 30.00            | -2.27       |
| 64-QAM    |           | 3745.02         | 2.90            | 1 / 1          | 23.79                 | 26.69      | 0.467        | 30.00            | -3.31       |
| 256-QAM   |           | 3745.02         | 2.90            | 1 / 1          | 20.95                 | 23.85      | 0.243        | 30.00            | -6.15       |
| 100 MHz   |           | 11/2 BPSK       | 3750.00         | 2.90           | 1 / 135               | 25.42      | 28.32        | 0.679            | 30.00       |
|           | 3840.00   |                 | 2.90            | 1 / 271        | 25.32                 | 28.22      | 0.664        | 30.00            | -1.78       |
|           | 3930.00   |                 | 2.90            | 1 / 1          | 25.33                 | 28.23      | 0.665        | 30.00            | -1.77       |
|           | QPSK      | 3750.00         | 2.90            | 1 / 271        | 25.67                 | 28.57      | 0.719        | 30.00            | -1.43       |
|           |           | 3840.00         | 2.90            | 1 / 1          | 25.69                 | 28.59      | 0.723        | 30.00            | -1.41       |
|           |           | 3930.00         | 2.90            | 1 / 135        | 25.70                 | 28.60      | 0.724        | 30.00            | -1.40       |
|           | 16-QAM    | 3930.00         | 2.90            | 1 / 1          | 24.47                 | 27.37      | 0.546        | 30.00            | -2.63       |
|           | 64-QAM    | 3750.00         | 2.90            | 1 / 135        | 23.60                 | 26.50      | 0.447        | 30.00            | -3.50       |
| 256-QAM   | 3930.00   | 2.90            | 1 / 1           | 20.78          | 23.68                 | 0.233      | 30.00        | -6.33            |             |



## 7.6.2 Antenna 2a – EIRP

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3455.01         | 2.00            | 1 / 1          | 23.39                 | <b>25.39</b> | 0.346        | 30.00            | -4.61       |
|           |          | 3500.01         | 2.00            | 1 / 22         | 23.45                 | 25.45        | 0.351        | 30.00            | -4.55       |
|           |          | 3544.98         | 2.00            | 1 / 12         | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           | QPSK     | 3455.01         | 2.00            | 1 / 12         | 23.24                 | 25.24        | 0.334        | 30.00            | -4.76       |
|           |          | 3500.01         | 2.00            | 1 / 12         | 23.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           |          | 3544.98         | 2.00            | 1 / 1          | 23.39                 | 25.39        | 0.346        | 30.00            | -4.61       |
|           | 16-QAM   | 3455.01         | 2.00            | 1 / 1          | 22.45                 | 24.45        | 0.279        | 30.00            | -5.55       |
|           | 64-QAM   | 3544.98         | 2.00            | 1 / 22         | 21.38                 | 23.38        | 0.218        | 30.00            | -6.62       |
|           | 256-QAM  | 3500.01         | 2.00            | 1 / 12         | 18.56                 | 20.56        | 0.114        | 30.00            | -9.44       |
|           | 256-QAM  | 3457.50         | 2.00            | 1 / 36         | 23.47                 | 25.47        | 0.352        | 30.00            | -4.53       |
| 15 MHz    | π/2 BPSK | 3500.01         | 2.00            | 1 / 36         | 23.37                 | 25.37        | 0.344        | 30.00            | -4.63       |
|           |          | 3542.49         | 2.00            | 1 / 36         | 23.23                 | 25.23        | 0.333        | 30.00            | -4.77       |
|           |          | 3457.50         | 2.00            | 1 / 36         | 23.41                 | 25.41        | 0.348        | 30.00            | -4.59       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 36         | 23.47                 | 25.47        | 0.352        | 30.00            | -4.53       |
|           |          | 3542.49         | 2.00            | 1 / 1          | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3457.50         | 2.00            | 1 / 1          | 22.48                 | 24.48        | 0.281        | 30.00            | -5.52       |
|           | 16-QAM   | 3457.50         | 2.00            | 1 / 1          | 22.48                 | 24.48        | 0.281        | 30.00            | -5.52       |
|           | 64-QAM   | 3542.49         | 2.00            | 1 / 36         | 21.46                 | 23.46        | 0.222        | 30.00            | -6.54       |
|           | 256-QAM  | 3500.01         | 2.00            | 1 / 18         | 18.41                 | 20.41        | 0.110        | 30.00            | -9.59       |
|           | 256-QAM  | 3460.02         | 2.00            | 1 / 1          | 23.45                 | 25.45        | 0.351        | 30.00            | -4.55       |
| 20 MHz    | π/2 BPSK | 3500.01         | 2.00            | 1 / 1          | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3540.00         | 2.00            | 1 / 49         | 23.26                 | 25.26        | 0.336        | 30.00            | -4.74       |
|           |          | 3460.02         | 2.00            | 1 / 25         | 23.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 1          | 23.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           |          | 3540.00         | 2.00            | 1 / 25         | 23.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           |          | 3500.01         | 2.00            | 1 / 1          | 22.46                 | 24.46        | 0.279        | 30.00            | -5.54       |
|           | 16-QAM   | 3500.01         | 2.00            | 1 / 1          | 22.46                 | 24.46        | 0.279        | 30.00            | -5.54       |
|           | 64-QAM   | 3540.00         | 2.00            | 1 / 49         | 21.51                 | 23.51        | 0.224        | 30.00            | -6.49       |
|           | 256-QAM  | 3540.00         | 2.00            | 1 / 1          | 18.43                 | 20.43        | 0.110        | 30.00            | -9.57       |
|           | 256-QAM  | 3460.02         | 2.00            | 1 / 1          | 23.45                 | 25.45        | 0.351        | 30.00            | -4.55       |
| 30 MHz    | π/2 BPSK | 3465.00         | 2.00            | 1 / 1          | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3500.01         | 2.00            | 1 / 76         | 23.21                 | 25.21        | 0.332        | 30.00            | -4.79       |
|           |          | 3534.99         | 2.00            | 1 / 36         | 23.47                 | 25.47        | 0.352        | 30.00            | -4.53       |
|           | QPSK     | 3465.00         | 2.00            | 1 / 1          | 23.37                 | 25.37        | 0.344        | 30.00            | -4.63       |
|           |          | 3500.01         | 2.00            | 1 / 1          | 23.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           |          | 3534.99         | 2.00            | 1 / 76         | 23.31                 | 25.31        | 0.340        | 30.00            | -4.69       |
|           | 16-QAM   | 3534.99         | 2.00            | 1 / 36         | 22.48                 | 24.48        | 0.281        | 30.00            | -5.52       |
|           | 64-QAM   | 3500.01         | 2.00            | 1 / 36         | 21.50                 | 23.50        | 0.224        | 30.00            | -6.50       |
|           | 256-QAM  | 3534.99         | 2.00            | 1 / 76         | 18.58                 | 20.58        | 0.114        | 30.00            | -9.42       |
|           | 256-QAM  | 3470.01         | 2.00            | 1 / 104        | 23.45                 | 25.45        | 0.351        | 30.00            | -4.55       |
| 40 MHz    | π/2 BPSK | 3500.01         | 2.00            | 1 / 50         | 23.27                 | 25.27        | 0.337        | 30.00            | -4.73       |
|           |          | 3529.98         | 2.00            | 1 / 50         | 23.41                 | 25.41        | 0.348        | 30.00            | -4.59       |
|           |          | 3470.01         | 2.00            | 1 / 1          | 23.42                 | 25.42        | 0.348        | 30.00            | -4.58       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 104        | 23.40                 | 25.40        | 0.347        | 30.00            | -4.60       |
|           |          | 3529.98         | 2.00            | 1 / 50         | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3500.01         | 2.00            | 1 / 1          | 22.46                 | 24.46        | 0.279        | 30.00            | -5.54       |
|           | 16-QAM   | 3500.01         | 2.00            | 1 / 1          | 22.46                 | 24.46        | 0.279        | 30.00            | -5.54       |
|           | 64-QAM   | 3500.01         | 2.00            | 1 / 1          | 21.50                 | 23.50        | 0.224        | 30.00            | -6.50       |
|           | 256-QAM  | 3500.01         | 2.00            | 1 / 1          | 18.60                 | 20.60        | 0.115        | 30.00            | -9.40       |
|           | 256-QAM  | 3475.02         | 2.00            | 1 / 1          | 23.36                 | 25.36        | 0.344        | 30.00            | -4.64       |
| 50 MHz    | π/2 BPSK | 3500.01         | 2.00            | 1 / 131        | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3525.00         | 2.00            | 1 / 64         | 23.25                 | 25.25        | 0.335        | 30.00            | -4.75       |
|           |          | 3475.02         | 2.00            | 1 / 1          | 23.37                 | 25.37        | 0.344        | 30.00            | -4.63       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 64         | 23.28                 | 25.28        | 0.337        | 30.00            | -4.72       |
|           |          | 3525.00         | 2.00            | 1 / 1          | 23.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           |          | 3475.02         | 2.00            | 1 / 64         | 22.48                 | 24.48        | 0.281        | 30.00            | -5.52       |
|           | 16-QAM   | 3475.02         | 2.00            | 1 / 64         | 21.46                 | 23.46        | 0.222        | 30.00            | -6.54       |
|           | 64-QAM   | 3475.02         | 2.00            | 1 / 1          | 18.60                 | 20.60        | 0.115        | 30.00            | -9.40       |
|           | 256-QAM  | 3480.00         | 2.00            | 1 / 1          | 23.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           | 256-QAM  | 3500.01         | 2.00            | 1 / 1          | 23.38                 | 25.38        | 0.345        | 30.00            | -4.62       |
| 60 MHz    | π/2 BPSK | 3519.99         | 2.00            | 1 / 81         | 23.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           |          | 3480.00         | 2.00            | 1 / 1          | 23.48                 | 25.48        | 0.353        | 30.00            | -4.52       |
|           |          | 3519.99         | 2.00            | 1 / 1          | 23.36                 | 25.36        | 0.344        | 30.00            | -4.64       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 160        | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3519.99         | 2.00            | 1 / 1          | 23.36                 | 25.36        | 0.344        | 30.00            | -4.64       |
|           |          | 3480.00         | 2.00            | 1 / 1          | 22.59                 | 24.59        | 0.288        | 30.00            | -5.41       |
|           | 16-QAM   | 3500.01         | 2.00            | 1 / 1          | 22.59                 | 24.59        | 0.288        | 30.00            | -5.41       |
|           | 64-QAM   | 3480.00         | 2.00            | 1 / 160        | 21.55                 | 23.55        | 0.226        | 30.00            | -6.45       |
|           | 256-QAM  | 3500.01         | 2.00            | 1 / 160        | 18.66                 | 20.66        | 0.116        | 30.00            | -9.34       |
|           | 256-QAM  | 3485.01         | 2.00            | 1 / 90         | 23.26                 | 25.26        | 0.336        | 30.00            | -4.74       |
| 70 MHz    | π/2 BPSK | 3500.01         | 2.00            | 1 / 187        | 23.42                 | 25.42        | 0.348        | 30.00            | -4.58       |
|           |          | 3514.98         | 2.00            | 1 / 90         | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3485.01         | 2.00            | 1 / 90         | 23.42                 | 25.42        | 0.348        | 30.00            | -4.58       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 90         | 23.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           |          | 3514.98         | 2.00            | 1 / 90         | 23.41                 | 25.41        | 0.348        | 30.00            | -4.59       |
|           |          | 3485.01         | 2.00            | 1 / 187        | 22.50                 | 24.50        | 0.282        | 30.00            | -5.50       |
|           | 16-QAM   | 3485.01         | 2.00            | 1 / 90         | 21.49                 | 23.49        | 0.223        | 30.00            | -6.51       |
|           | 64-QAM   | 3485.01         | 2.00            | 1 / 90         | 18.60                 | 20.60        | 0.115        | 30.00            | -9.40       |
|           | 256-QAM  | 3500.01         | 2.00            | 1 / 90         | 18.60                 | 20.60        | 0.115        | 30.00            | -9.40       |
|           | 256-QAM  | 3490.02         | 2.00            | 1 / 108        | 23.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
| 80 MHz    | π/2 BPSK | 3500.01         | 2.00            | 1 / 215        | 23.35                 | 25.35        | 0.343        | 30.00            | -4.65       |
|           |          | 3510.00         | 2.00            | 1 / 1          | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3490.02         | 2.00            | 1 / 1          | 23.12                 | 25.12        | 0.325        | 30.00            | -4.88       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 1          | 23.19                 | 25.19        | 0.330        | 30.00            | -4.81       |
|           |          | 3510.00         | 2.00            | 1 / 108        | 23.30                 | 25.30        | 0.339        | 30.00            | -4.70       |
|           |          | 3490.02         | 2.00            | 1 / 1          | 22.50                 | 24.50        | 0.282        | 30.00            | -5.50       |
|           | 16-QAM   | 3500.01         | 2.00            | 1 / 108        | 21.51                 | 23.51        | 0.224        | 30.00            | -6.49       |
|           | 64-QAM   | 3500.01         | 2.00            | 1 / 108        | 21.51                 | 23.51        | 0.224        | 30.00            | -6.49       |
|           | 256-QAM  | 3510.00         | 2.00            | 1 / 108        | 18.61                 | 20.61        | 0.115        | 30.00            | -9.39       |
|           | 256-QAM  | 3495.00         | 2.00            | 1 / 1          | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
| 90 MHz    | π/2 BPSK | 3500.01         | 2.00            | 1 / 243        | 23.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           |          | 3504.99         | 2.00            | 1 / 120        | 23.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           |          | 3495.00         | 2.00            | 1 / 243        | 23.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 1          | 23.47                 | 25.47        | 0.352        | 30.00            | -4.53       |
|           |          | 3504.99         | 2.00            | 1 / 243        | 23.19                 | 25.19        | 0.330        | 30.00            | -4.81       |
|           |          | 3495.00         | 2.00            | 1 / 243        | 22.50                 | 24.50        | 0.282        | 30.00            | -5.50       |
|           | 16-QAM   | 3504.99         | 2.00            | 1 / 243        | 21.46                 | 23.46        | 0.222        | 30.00            | -6.54       |
|           | 64-QAM   | 3504.99         | 2.00            | 1 / 243        | 21.46                 | 23.46        | 0.222        | 30.00            | -6.54       |
|           | 256-QAM  | 3500.01         | 2.00            | 1 / 120        | 18.54                 | 20.54        | 0.113        | 30.00            | -9.46       |
|           | 256-QAM  | 3500.01         | 2.00            | 1 / 1          | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
| 100 MHz   | π/2 BPSK | 3500.01         | 2.00            | 1 / 271        | 23.48                 | 25.48        | 0.353        | 30.00            | -4.52       |
|           |          | 3500.01         | 2.00            | 1 / 135        | 22.37                 | 24.37        | 0.274        | 30.00            | -5.63       |
|           |          | 3500.01         | 2.00            | 1 / 1          | 21.25                 | 23.25        | 0.211        | 30.00            | -6.75       |
|           | 16-QAM   | 3500.01         | 2.00            | 1 / 1          | 21.25                 | 23.25        | 0.211        | 30.00            | -6.75       |
|           | 64-QAM   | 3500.01         | 2.00            | 1 / 271        | 18.57                 | 20.57        | 0.114        | 30.00            | -9.43       |
|           | 256-QAM  | 3500.01         | 2.00            | 1 / 271        | 18.57                 | 20.57        | 0.114        | 30.00            | -9.43       |

Table 7-6. Antenna 2a EIRP Data (NR Band n77 (PC2) – DoD Band)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 237 of 265                   |

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| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3455.01         | 2.00            | 1 / 12         | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3500.01         | 2.00            | 1 / 1          | 23.38                 | 25.38        | 0.345        | 30.00            | -4.62       |
|           |          | 3544.98         | 2.00            | 1 / 1          | 23.41                 | 25.41        | 0.348        | 30.00            | -4.59       |
|           | QPSK     | 3455.01         | 2.00            | 1 / 22         | 23.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           |          | 3500.01         | 2.00            | 1 / 12         | 23.49                 | <b>25.49</b> | 0.354        | 30.00            | -4.51       |
|           |          | 3544.98         | 2.00            | 1 / 1          | 23.47                 | 25.47        | 0.352        | 30.00            | -4.53       |
|           | 16-QAM   | 3544.98         | 2.00            | 1 / 12         | 22.52                 | 24.52        | 0.283        | 30.00            | -5.48       |
|           | 64-QAM   | 3500.01         | 2.00            | 1 / 22         | 21.54                 | 23.54        | 0.226        | 30.00            | -6.46       |
| 15 MHz    | π/2 BPSK | 3544.98         | 2.00            | 1 / 1          | 18.63                 | 20.63        | 0.116        | 30.00            | -9.37       |
|           |          | 3457.50         | 2.00            | 1 / 18         | 23.37                 | 25.37        | 0.344        | 30.00            | -4.63       |
|           |          | 3500.01         | 2.00            | 1 / 1          | 23.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           | QPSK     | 3542.49         | 2.00            | 1 / 36         | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3457.50         | 2.00            | 1 / 36         | 23.48                 | 25.48        | 0.353        | 30.00            | -4.52       |
|           |          | 3500.01         | 2.00            | 1 / 1          | 23.38                 | 25.38        | 0.345        | 30.00            | -4.62       |
|           | 16-QAM   | 3542.49         | 2.00            | 1 / 1          | 23.37                 | 25.37        | 0.344        | 30.00            | -4.63       |
|           | 64-QAM   | 3457.50         | 2.00            | 1 / 36         | 22.48                 | 24.48        | 0.281        | 30.00            | -5.52       |
| 20 MHz    | π/2 BPSK | 3500.01         | 2.00            | 1 / 18         | 21.50                 | 23.50        | 0.224        | 30.00            | -6.50       |
|           |          | 3542.49         | 2.00            | 1 / 36         | 18.62                 | 20.62        | 0.115        | 30.00            | -9.38       |
|           |          | 3460.02         | 2.00            | 1 / 49         | 23.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 1          | 23.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           |          | 3540.00         | 2.00            | 1 / 49         | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3460.02         | 2.00            | 1 / 25         | 23.31                 | 25.31        | 0.340        | 30.00            | -4.69       |
|           | 16-QAM   | 3500.01         | 2.00            | 1 / 25         | 23.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           | 64-QAM   | 3540.00         | 2.00            | 1 / 1          | 23.47                 | 25.47        | 0.352        | 30.00            | -4.53       |
| 30 MHz    | π/2 BPSK | 3540.00         | 2.00            | 1 / 49         | 22.64                 | 24.64        | 0.291        | 30.00            | -5.36       |
|           |          | 3500.01         | 2.00            | 1 / 1          | 21.52                 | 23.52        | 0.225        | 30.00            | -6.48       |
|           |          | 3460.02         | 2.00            | 1 / 1          | 18.71                 | 20.71        | 0.118        | 30.00            | -9.29       |
|           | QPSK     | 3465.00         | 2.00            | 1 / 36         | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3500.01         | 2.00            | 1 / 1          | 23.35                 | 25.35        | 0.343        | 30.00            | -4.65       |
|           |          | 3534.99         | 2.00            | 1 / 36         | 23.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           | 16-QAM   | 3465.00         | 2.00            | 1 / 36         | 23.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           | 64-QAM   | 3534.99         | 2.00            | 1 / 76         | 23.48                 | 25.48        | 0.353        | 30.00            | -4.52       |
| 40 MHz    | π/2 BPSK | 3534.99         | 2.00            | 1 / 1          | 23.33                 | 25.33        | 0.341        | 30.00            | -4.67       |
|           |          | 3465.00         | 2.00            | 1 / 36         | 22.50                 | 24.50        | 0.282        | 30.00            | -5.50       |
|           |          | 3534.99         | 2.00            | 1 / 76         | 21.48                 | 23.48        | 0.223        | 30.00            | -6.52       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 76         | 18.41                 | 20.41        | 0.110        | 30.00            | -9.59       |
|           |          | 3470.01         | 2.00            | 1 / 1          | 23.20                 | 25.20        | 0.331        | 30.00            | -4.80       |
|           |          | 3500.01         | 2.00            | 1 / 104        | 23.28                 | 25.28        | 0.337        | 30.00            | -4.72       |
|           | 16-QAM   | 3529.98         | 2.00            | 1 / 104        | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           | 64-QAM   | 3470.01         | 2.00            | 1 / 1          | 23.47                 | 25.47        | 0.352        | 30.00            | -4.53       |
| 50 MHz    | π/2 BPSK | 3500.01         | 2.00            | 1 / 104        | 23.37                 | 25.37        | 0.344        | 30.00            | -4.63       |
|           |          | 3529.98         | 2.00            | 1 / 50         | 23.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           |          | 3470.01         | 2.00            | 1 / 104        | 22.44                 | 24.44        | 0.278        | 30.00            | -5.56       |
|           | QPSK     | 3529.98         | 2.00            | 1 / 104        | 21.41                 | 23.41        | 0.219        | 30.00            | -6.59       |
|           |          | 3470.01         | 2.00            | 1 / 1          | 18.55                 | 20.55        | 0.114        | 30.00            | -9.45       |
|           |          | 3475.02         | 2.00            | 1 / 1          | 23.45                 | 25.45        | 0.351        | 30.00            | -4.55       |
|           | 16-QAM   | 3500.01         | 2.00            | 1 / 64         | 23.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           | 64-QAM   | 3525.00         | 2.00            | 1 / 131        | 23.28                 | 25.28        | 0.337        | 30.00            | -4.72       |
| 60 MHz    | π/2 BPSK | 3475.02         | 2.00            | 1 / 1          | 23.36                 | 25.36        | 0.344        | 30.00            | -4.64       |
|           |          | 3500.01         | 2.00            | 1 / 131        | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3525.00         | 2.00            | 1 / 64         | 23.27                 | 25.27        | 0.337        | 30.00            | -4.73       |
|           | QPSK     | 3475.02         | 2.00            | 1 / 131        | 22.51                 | 24.51        | 0.282        | 30.00            | -5.49       |
|           |          | 3500.01         | 2.00            | 1 / 1          | 21.45                 | 23.45        | 0.221        | 30.00            | -6.55       |
|           |          | 3475.02         | 2.00            | 1 / 131        | 18.58                 | 20.58        | 0.114        | 30.00            | -9.42       |
|           | 16-QAM   | 3480.00         | 2.00            | 1 / 81         | 23.46                 | 25.46        | 0.352        | 30.00            | -4.54       |
|           | 64-QAM   | 3519.99         | 2.00            | 1 / 81         | 23.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
| 70 MHz    | π/2 BPSK | 3519.99         | 2.00            | 1 / 81         | 23.38                 | 25.38        | 0.345        | 30.00            | -4.62       |
|           |          | 3480.00         | 2.00            | 1 / 81         | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3500.01         | 2.00            | 1 / 81         | 23.47                 | 25.47        | 0.352        | 30.00            | -4.53       |
|           | QPSK     | 3519.99         | 2.00            | 1 / 81         | 23.34                 | 25.34        | 0.342        | 30.00            | -4.66       |
|           |          | 3500.01         | 2.00            | 1 / 160        | 22.48                 | 24.48        | 0.281        | 30.00            | -5.52       |
|           |          | 3480.00         | 2.00            | 1 / 1          | 21.49                 | 23.49        | 0.223        | 30.00            | -6.51       |
|           | 16-QAM   | 3500.01         | 2.00            | 1 / 1          | 18.61                 | 20.61        | 0.115        | 30.00            | -9.39       |
|           | 64-QAM   | 3485.01         | 2.00            | 1 / 90         | 23.45                 | 25.45        | 0.351        | 30.00            | -4.55       |
| 80 MHz    | π/2 BPSK | 3500.01         | 2.00            | 1 / 90         | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3514.98         | 2.00            | 1 / 1          | 23.48                 | 25.48        | 0.353        | 30.00            | -4.52       |
|           |          | 3485.01         | 2.00            | 1 / 1          | 23.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 90         | 23.09                 | 25.09        | 0.323        | 30.00            | -4.91       |
|           |          | 3514.98         | 2.00            | 1 / 187        | 23.39                 | 25.39        | 0.346        | 30.00            | -4.61       |
|           |          | 3500.01         | 2.00            | 1 / 187        | 22.43                 | 24.43        | 0.277        | 30.00            | -5.57       |
|           | 16-QAM   | 3485.01         | 2.00            | 1 / 187        | 21.37                 | 23.37        | 0.217        | 30.00            | -6.63       |
|           | 64-QAM   | 3500.01         | 2.00            | 1 / 1          | 18.54                 | 20.54        | 0.113        | 30.00            | -9.46       |
| 90 MHz    | π/2 BPSK | 3490.02         | 2.00            | 1 / 1          | 23.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           |          | 3500.01         | 2.00            | 1 / 215        | 23.31                 | 25.31        | 0.340        | 30.00            | -4.69       |
|           |          | 3510.00         | 2.00            | 1 / 108        | 23.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           | QPSK     | 3490.02         | 2.00            | 1 / 215        | 23.32                 | 25.32        | 0.340        | 30.00            | -4.68       |
|           |          | 3500.01         | 2.00            | 1 / 215        | 23.41                 | 25.41        | 0.348        | 30.00            | -4.59       |
|           |          | 3510.00         | 2.00            | 1 / 215        | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           | 16-QAM   | 3510.00         | 2.00            | 1 / 1          | 22.45                 | 24.45        | 0.279        | 30.00            | -5.55       |
|           | 64-QAM   | 3500.01         | 2.00            | 1 / 215        | 21.44                 | 23.44        | 0.221        | 30.00            | -6.56       |
| 100 MHz   | π/2 BPSK | 3510.00         | 2.00            | 1 / 108        | 18.41                 | 20.41        | 0.110        | 30.00            | -9.59       |
|           |          | 3495.00         | 2.00            | 1 / 120        | 23.38                 | 25.38        | 0.345        | 30.00            | -4.62       |
|           |          | 3500.01         | 2.00            | 1 / 1          | 23.46                 | 25.46        | 0.352        | 30.00            | -4.54       |
|           | QPSK     | 3504.99         | 2.00            | 1 / 1          | 23.46                 | 25.46        | 0.352        | 30.00            | -4.54       |
|           |          | 3495.00         | 2.00            | 1 / 120        | 23.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           |          | 3500.01         | 2.00            | 1 / 243        | 23.41                 | 25.41        | 0.348        | 30.00            | -4.59       |
|           | 16-QAM   | 3504.99         | 2.00            | 1 / 1          | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           | 64-QAM   | 3500.01         | 2.00            | 1 / 1          | 22.53                 | 24.53        | 0.284        | 30.00            | -5.47       |
| 100 MHz   | π/2 BPSK | 3500.01         | 2.00            | 1 / 243        | 21.53                 | 23.53        | 0.225        | 30.00            | -6.47       |
|           |          | 3495.00         | 2.00            | 1 / 120        | 18.66                 | 20.66        | 0.116        | 30.00            | -9.34       |
|           |          | 3500.01         | 2.00            | 1 / 135        | 23.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           | QPSK     | 3500.01         | 2.00            | 1 / 1          | 23.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           |          | 3500.01         | 2.00            | 1 / 135        | 22.49                 | 24.49        | 0.281        | 30.00            | -5.51       |
|           |          | 3500.01         | 2.00            | 1 / 271        | 21.34                 | 23.34        | 0.216        | 30.00            | -6.66       |
|           | 16-QAM   | 3500.01         | 2.00            | 1 / 1          | 18.31                 | 20.31        | 0.107        | 30.00            | -9.69       |
|           | 64-QAM   | 3500.01         | 2.00            | 1 / 1          | 18.31                 | 20.31        | 0.107        | 30.00            | -9.69       |

Table 7-7. Antenna 2a EIRP Data (NR Band n77 (PC3) – DoD Band)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 238 of 265                   |

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| Bandwidth | Mod.      | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | ERP [dBm]    | ERP [Watts] | ERP Limit [dBm] | Margin [dB] |
|-----------|-----------|-----------------|-----------------|----------------|-----------------------|--------------|-------------|-----------------|-------------|
| 10 MHz    | 11/2 BPSK | 3705.00         | 2.30            | 1 / 1          | 23.39                 | <b>25.69</b> | 0.371       | 30.00           | -4.31       |
|           |           | 3840.00         | 2.30            | 1 / 22         | 23.37                 | 25.67        | 0.369       | 30.00           | -4.33       |
|           |           | 3975.00         | 2.30            | 1 / 1          | 23.27                 | 25.57        | 0.361       | 30.00           | -4.43       |
|           | QPSK      | 3705.00         | 2.30            | 1 / 12         | 23.20                 | 25.50        | 0.355       | 30.00           | -4.50       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           |           | 3975.00         | 2.30            | 1 / 22         | 23.37                 | 25.67        | 0.369       | 30.00           | -4.33       |
|           | 16-QAM    | 3840.00         | 2.30            | 1 / 22         | 22.51                 | 24.81        | 0.303       | 30.00           | -5.19       |
|           | 64-QAM    | 3840.00         | 2.30            | 1 / 12         | 21.50                 | 23.80        | 0.240       | 30.00           | -6.20       |
|           | 256-QAM   | 3705.00         | 2.30            | 1 / 22         | 18.60                 | 20.90        | 0.123       | 30.00           | -9.10       |
| 15 MHz    | 11/2 BPSK | 3707.51         | 2.30            | 1 / 36         | 23.19                 | 25.49        | 0.354       | 30.00           | -4.51       |
|           |           | 3840.00         | 2.30            | 1 / 36         | 23.42                 | 25.72        | 0.373       | 30.00           | -4.28       |
|           |           | 3972.50         | 2.30            | 1 / 1          | 23.26                 | 25.56        | 0.360       | 30.00           | -4.44       |
|           | QPSK      | 3707.51         | 2.30            | 1 / 1          | 23.49                 | 25.79        | 0.379       | 30.00           | -4.21       |
|           |           | 3840.00         | 2.30            | 1 / 36         | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           |           | 3972.50         | 2.30            | 1 / 1          | 23.46                 | 25.76        | 0.377       | 30.00           | -4.24       |
|           | 16-QAM    | 3972.50         | 2.30            | 1 / 36         | 22.50                 | 24.80        | 0.302       | 30.00           | -5.20       |
|           | 64-QAM    | 3972.50         | 2.30            | 1 / 1          | 21.48                 | 23.78        | 0.239       | 30.00           | -6.22       |
|           | 256-QAM   | 3840.00         | 2.30            | 1 / 18         | 18.52                 | 20.82        | 0.121       | 30.00           | -9.18       |
| 20 MHz    | 11/2 BPSK | 3710.01         | 2.30            | 1 / 25         | 23.45                 | 25.75        | 0.376       | 30.00           | -4.25       |
|           |           | 3840.00         | 2.30            | 1 / 25         | 23.42                 | 25.72        | 0.373       | 30.00           | -4.28       |
|           |           | 3969.99         | 2.30            | 1 / 49         | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           | QPSK      | 3710.01         | 2.30            | 1 / 49         | 23.32                 | 25.62        | 0.365       | 30.00           | -4.38       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.29                 | 25.59        | 0.362       | 30.00           | -4.41       |
|           |           | 3969.99         | 2.30            | 1 / 1          | 23.15                 | 25.45        | 0.351       | 30.00           | -4.55       |
|           | 16-QAM    | 3969.99         | 2.30            | 1 / 49         | 22.39                 | 24.69        | 0.294       | 30.00           | -5.31       |
|           | 64-QAM    | 3710.01         | 2.30            | 1 / 1          | 21.50                 | 23.80        | 0.240       | 30.00           | -6.20       |
|           | 256-QAM   | 3710.01         | 2.30            | 1 / 1          | 18.54                 | 20.84        | 0.121       | 30.00           | -9.16       |
| 30 MHz    | 11/2 BPSK | 3715.02         | 2.30            | 1 / 76         | 23.34                 | 25.64        | 0.366       | 30.00           | -4.36       |
|           |           | 3840.00         | 2.30            | 1 / 76         | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           |           | 3964.98         | 2.30            | 1 / 1          | 23.46                 | 25.76        | 0.377       | 30.00           | -4.24       |
|           | QPSK      | 3715.02         | 2.30            | 1 / 76         | 23.42                 | 25.72        | 0.373       | 30.00           | -4.28       |
|           |           | 3840.00         | 2.30            | 1 / 76         | 23.42                 | 25.72        | 0.373       | 30.00           | -4.28       |
|           |           | 3964.98         | 2.30            | 1 / 36         | 23.37                 | 25.67        | 0.369       | 30.00           | -4.33       |
|           | 16-QAM    | 3840.00         | 2.30            | 1 / 36         | 22.50                 | 24.80        | 0.302       | 30.00           | -5.20       |
|           | 64-QAM    | 3840.00         | 2.30            | 1 / 36         | 21.50                 | 23.80        | 0.240       | 30.00           | -6.20       |
|           | 256-QAM   | 3964.98         | 2.30            | 1 / 1          | 18.50                 | 20.80        | 0.120       | 30.00           | -9.20       |
| 40 MHz    | 11/2 BPSK | 3720.00         | 2.30            | 1 / 104        | 23.41                 | 25.71        | 0.372       | 30.00           | -4.29       |
|           |           | 3840.00         | 2.30            | 1 / 104        | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           |           | 3960.00         | 2.30            | 1 / 1          | 23.48                 | 25.78        | 0.378       | 30.00           | -4.22       |
|           | QPSK      | 3720.00         | 2.30            | 1 / 50         | 23.46                 | 25.76        | 0.377       | 30.00           | -4.24       |
|           |           | 3840.00         | 2.30            | 1 / 50         | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           |           | 3960.00         | 2.30            | 1 / 50         | 23.42                 | 25.72        | 0.373       | 30.00           | -4.28       |
|           | 16-QAM    | 3720.00         | 2.30            | 1 / 104        | 22.51                 | 24.81        | 0.303       | 30.00           | -5.19       |
|           | 64-QAM    | 3960.00         | 2.30            | 1 / 104        | 21.50                 | 23.80        | 0.240       | 30.00           | -6.20       |
|           | 256-QAM   | 3840.00         | 2.30            | 1 / 104        | 18.54                 | 20.84        | 0.121       | 30.00           | -9.16       |
| 50 MHz    | 11/2 BPSK | 3725.01         | 2.30            | 1 / 1          | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           |           | 3840.00         | 2.30            | 1 / 64         | 23.48                 | 25.78        | 0.378       | 30.00           | -4.22       |
|           |           | 3954.99         | 2.30            | 1 / 64         | 23.33                 | 25.63        | 0.366       | 30.00           | -4.37       |
|           | QPSK      | 3725.01         | 2.30            | 1 / 131        | 23.40                 | 25.70        | 0.372       | 30.00           | -4.30       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.46                 | 25.76        | 0.377       | 30.00           | -4.24       |
|           |           | 3954.99         | 2.30            | 1 / 1          | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           | 16-QAM    | 3954.99         | 2.30            | 1 / 1          | 22.49                 | 24.79        | 0.301       | 30.00           | -5.21       |
|           | 64-QAM    | 3725.01         | 2.30            | 1 / 131        | 21.53                 | 23.83        | 0.242       | 30.00           | -6.17       |
|           | 256-QAM   | 3840.00         | 2.30            | 1 / 1          | 18.53                 | 20.83        | 0.121       | 30.00           | -9.17       |
| 60 MHz    | 11/2 BPSK | 3730.02         | 2.30            | 1 / 1          | 23.46                 | 25.76        | 0.377       | 30.00           | -4.24       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.23                 | 25.53        | 0.357       | 30.00           | -4.47       |
|           |           | 3949.98         | 2.30            | 1 / 81         | 23.49                 | 25.79        | 0.379       | 30.00           | -4.21       |
|           | QPSK      | 3730.02         | 2.30            | 1 / 1          | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.39                 | 25.69        | 0.371       | 30.00           | -4.31       |
|           |           | 3949.98         | 2.30            | 1 / 160        | 23.44                 | 25.74        | 0.375       | 30.00           | -4.26       |
|           | 16-QAM    | 3949.98         | 2.30            | 1 / 81         | 22.51                 | 24.81        | 0.303       | 30.00           | -5.19       |
|           | 64-QAM    | 3949.98         | 2.30            | 1 / 81         | 21.34                 | 23.64        | 0.231       | 30.00           | -6.36       |
|           | 256-QAM   | 3949.98         | 2.30            | 1 / 81         | 18.61                 | 20.91        | 0.123       | 30.00           | -9.09       |
| 70 MHz    | 11/2 BPSK | 3735.00         | 2.30            | 1 / 90         | 23.44                 | 25.74        | 0.375       | 30.00           | -4.26       |
|           |           | 3840.00         | 2.30            | 1 / 187        | 23.33                 | 25.63        | 0.366       | 30.00           | -4.37       |
|           |           | 3945.00         | 2.30            | 1 / 1          | 23.47                 | 25.77        | 0.378       | 30.00           | -4.23       |
|           | QPSK      | 3735.00         | 2.30            | 1 / 187        | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.29                 | 25.59        | 0.362       | 30.00           | -4.41       |
|           |           | 3945.00         | 2.30            | 1 / 1          | 23.43                 | 25.73        | 0.374       | 30.00           | -4.27       |
|           | 16-QAM    | 3945.00         | 2.30            | 1 / 187        | 22.47                 | 24.77        | 0.300       | 30.00           | -5.23       |
|           | 64-QAM    | 3840.00         | 2.30            | 1 / 1          | 21.41                 | 23.71        | 0.235       | 30.00           | -6.29       |
|           | 256-QAM   | 3840.00         | 2.30            | 1 / 1          | 18.60                 | 20.90        | 0.123       | 30.00           | -9.10       |
| 80 MHz    | 11/2 BPSK | 3740.01         | 2.30            | 1 / 108        | 23.48                 | 25.78        | 0.378       | 30.00           | -4.22       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.46                 | 25.76        | 0.377       | 30.00           | -4.24       |
|           |           | 3939.99         | 2.30            | 1 / 215        | 23.42                 | 25.72        | 0.373       | 30.00           | -4.28       |
|           | QPSK      | 3740.01         | 2.30            | 1 / 108        | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           |           | 3939.99         | 2.30            | 1 / 215        | 23.39                 | 25.69        | 0.371       | 30.00           | -4.31       |
|           | 16-QAM    | 3840.00         | 2.30            | 1 / 108        | 22.49                 | 24.79        | 0.301       | 30.00           | -5.21       |
|           | 64-QAM    | 3740.01         | 2.30            | 1 / 108        | 21.50                 | 23.80        | 0.240       | 30.00           | -6.20       |
|           | 256-QAM   | 3840.00         | 2.30            | 1 / 108        | 18.50                 | 20.80        | 0.120       | 30.00           | -9.20       |
| 90 MHz    | 11/2 BPSK | 3745.02         | 2.30            | 1 / 243        | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           |           | 3840.00         | 2.30            | 1 / 243        | 23.49                 | 25.79        | 0.379       | 30.00           | -4.21       |
|           |           | 3934.98         | 2.30            | 1 / 243        | 23.43                 | 25.73        | 0.374       | 30.00           | -4.27       |
|           | QPSK      | 3745.02         | 2.30            | 1 / 120        | 23.40                 | 25.70        | 0.372       | 30.00           | -4.30       |
|           |           | 3840.00         | 2.30            | 1 / 243        | 23.42                 | 25.72        | 0.373       | 30.00           | -4.28       |
|           |           | 3934.98         | 2.30            | 1 / 243        | 23.41                 | 25.71        | 0.372       | 30.00           | -4.29       |
|           | 16-QAM    | 3745.02         | 2.30            | 1 / 243        | 22.48                 | 24.78        | 0.301       | 30.00           | -5.22       |
|           | 64-QAM    | 3840.00         | 2.30            | 1 / 243        | 21.50                 | 23.80        | 0.240       | 30.00           | -6.20       |
|           | 256-QAM   | 3840.00         | 2.30            | 1 / 120        | 18.43                 | 20.73        | 0.118       | 30.00           | -9.27       |
| 100 MHz   | 11/2 BPSK | 3750.00         | 2.30            | 1 / 271        | 23.42                 | 25.72        | 0.373       | 30.00           | -4.28       |
|           |           | 3840.00         | 2.30            | 1 / 271        | 23.33                 | 25.63        | 0.366       | 30.00           | -4.37       |
|           |           | 3930.00         | 2.30            | 1 / 271        | 23.42                 | 25.72        | 0.373       | 30.00           | -4.28       |
|           | QPSK      | 3750.00         | 2.30            | 1 / 135        | 23.39                 | 25.69        | 0.371       | 30.00           | -4.31       |
|           |           | 3840.00         | 2.30            | 1 / 135        | 23.38                 | 25.68        | 0.370       | 30.00           | -4.32       |
|           |           | 3930.00         | 2.30            | 1 / 135        | 23.50                 | <b>25.80</b> | 0.380       | 30.00           | -4.20       |
|           | 16-QAM    | 3840.00         | 2.30            | 1 / 135        | 22.47                 | 24.77        | 0.300       | 30.00           | -5.23       |
|           | 64-QAM    | 3930.00         | 2.30            | 1 / 271        | 21.50                 | 23.80        | 0.240       | 30.00           | -6.20       |
|           | 256-QAM   | 3930.00         | 2.30            | 1 / 1          | 18.58                 | 20.88        | 0.122       | 30.00           | -9.12       |

| Bandwidth | Mod.      | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|-----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 10 MHz    | 11/2 BPSK | 3705.00         | 2.30            | 1 / 1          | 23.23                 | <b>25.53</b> | 0.357        | 30.00            | -4.47       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.49                 | 25.79        | 0.379        | 30.00            | -4.21       |
|           |           | 3975.00         | 2.30            | 1 / 1          | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           | QPSK      | 3705.00         | 2.30            | 1 / 1          | 23.29                 | 25.59        | 0.362        | 30.00            | -4.41       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.41                 | 25.71        | 0.372        | 30.00            | -4.29       |
|           |           | 3975.00         | 2.30            | 1 / 12         | 23.29                 | 25.59        | 0.362        | 30.00            | -4.41       |
|           | 16-QAM    | 3840.00         | 2.30            | 1 / 22         | 22.42                 | 24.72        | 0.296        | 30.00            | -5.28       |
|           | 64-QAM    | 3840.00         | 2.30            | 1 / 22         | 21.50                 | 23.80        | 0.240        | 30.00            | -6.20       |
|           | 256-QAM   | 3840.00         | 2.30            | 1 / 12         | 18.60                 | 20.90        | 0.123        | 30.00            | -9.10       |
|           |           |                 |                 |                |                       |              |              |                  |             |
| 15 MHz    | 11/2 BPSK | 3707.51         | 2.30            | 1 / 18         | 23.29                 | 25.59        | 0.362        | 30.00            | -4.41       |
|           |           | 3840.00         | 2.30            | 1 / 18         | 23.38                 | 25.68        | 0.370        | 30.00            | -4.32       |
|           |           | 3972.50         | 2.30            | 1 / 36         | 23.47                 | 25.77        | 0.378        | 30.00            | -4.23       |
|           | QPSK      | 3707.51         | 2.30            | 1 / 36         | 23.38                 | 25.68        | 0.370        | 30.00            | -4.32       |
|           |           | 3840.00         | 2.30            | 1 / 36         | 23.37                 | 25.67        | 0.369        | 30.00            | -4.33       |
|           |           | 3972.50         | 2.30            | 1 / 18         | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           | 16-QAM    | 3707.51         | 2.30            | 1 / 1          | 22.42                 | 24.72        | 0.296        | 30.00            | -5.28       |
|           | 64-QAM    | 3840.00         | 2.30            | 1 / 36         | 21.47                 | 23.77        | 0.238        | 30.00            | -6.23       |
|           | 256-QAM   | 3707.51         | 2.30            | 1 / 36         | 18.51                 | 20.81        | 0.121        | 30.00            | -9.19       |
|           |           |                 |                 |                |                       |              |              |                  |             |
| 20 MHz    | 11/2 BPSK | 3710.01         | 2.30            | 1 / 49         | 23.43                 | 25.73        | 0.374        | 30.00            | -4.27       |
|           |           | 3840.00         | 2.30            | 1 / 25         | 23.46                 | 25.76        | 0.377        | 30.00            | -4.24       |
|           |           | 3969.99         | 2.30            | 1 / 25         | 23.39                 | 25.69        | 0.371        | 30.00            | -4.31       |
|           | QPSK      | 3710.01         | 2.30            | 1 / 1          | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           |           | 3840.00         | 2.30            | 1 / 25         | 23.46                 | 25.76        | 0.377        | 30.00            | -4.24       |
|           |           | 3969.99         | 2.30            | 1 / 1          | 23.30                 | 25.60        | 0.363        | 30.00            | -4.40       |
|           | 16-QAM    | 3840.00         | 2.30            | 1 / 1          | 22.54                 | 24.84        | 0.305        | 30.00            | -5.16       |
|           | 64-QAM    | 3969.99         | 2.30            | 1 / 1          | 21.56                 | 23.86        | 0.243        | 30.00            | -6.14       |
|           | 256-QAM   | 3969.99         | 2.30            | 1 / 1          | 18.62                 | 20.92        | 0.124        | 30.00            | -9.08       |
|           |           |                 |                 |                |                       |              |              |                  |             |
| 30 MHz    | 11/2 BPSK | 3715.02         | 2.30            | 1 / 1          | 23.31                 | 25.61        | 0.364        | 30.00            | -4.39       |
|           |           | 3840.00         | 2.30            | 1 / 36         | 23.42                 | 25.72        | 0.373        | 30.00            | -4.28       |
|           |           | 3964.98         | 2.30            | 1 / 76         | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           | QPSK      | 3715.02         | 2.30            | 1 / 36         | 23.44                 | 25.74        | 0.375        | 30.00            | -4.26       |
|           |           | 3840.00         | 2.30            | 1 / 36         | 23.47                 | 25.77        | 0.378        | 30.00            | -4.23       |
|           |           | 3964.98         | 2.30            | 1 / 36         | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           | 16-QAM    | 3964.98         | 2.30            | 1 / 76         | 22.52                 | 24.82        | 0.303        | 30.00            | -5.18       |
|           | 64-QAM    | 3964.98         | 2.30            | 1 / 1          | 21.47                 | 23.77        | 0.238        | 30.00            | -6.23       |
|           | 256-QAM   | 3840.00         | 2.30            | 1 / 36         | 18.61                 | 20.91        | 0.123        | 30.00            | -9.09       |
|           |           |                 |                 |                |                       |              |              |                  |             |
| 40 MHz    | 11/2 BPSK | 3720.00         | 2.30            | 1 / 1          | 23.42                 | 25.72        | 0.373        | 30.00            | -4.28       |
|           |           | 3840.00         | 2.30            | 1 / 104        | 23.19                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           |           | 3960.00         | 2.30            | 1 / 1          | 23.39                 | 25.69        | 0.371        | 30.00            | -4.31       |
|           | QPSK      | 3720.00         | 2.30            | 1 / 1          | 23.47                 | 25.77        | 0.378        | 30.00            | -4.23       |
|           |           | 3840.00         | 2.30            | 1 / 50         | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           |           | 3960.00         | 2.30            | 1 / 1          | 23.42                 | 25.72        | 0.373        | 30.00            | -4.28       |
|           | 16-QAM    | 3840.00         | 2.30            | 1 / 1          | 22.49                 | 24.79        | 0.301        | 30.00            | -5.21       |
|           | 64-QAM    | 3960.00         | 2.30            | 1 / 104        | 21.41                 | 23.71        | 0.235        | 30.00            | -6.29       |
|           | 256-QAM   | 3960.00         | 2.30            | 1 / 104        | 18.57                 | 20.87        | 0.122        | 30.00            | -9.13       |
|           |           |                 |                 |                |                       |              |              |                  |             |
| 50 MHz    | 11/2 BPSK | 3725.01         | 2.30            | 1 / 131        | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           |           | 3840.00         | 2.30            | 1 / 131        | 23.33                 | 25.63        | 0.366        | 30.00            | -4.37       |
|           |           | 3954.99         | 2.30            | 1 / 1          | 23.39                 | 25.69        | 0.371        | 30.00            | -4.31       |
|           | QPSK      | 3725.01         | 2.30            | 1 / 1          | 23.45                 | 25.75        | 0.376        | 30.00            | -4.25       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.49                 | 25.79        | 0.379        | 30.00            | -4.21       |
|           |           | 3954.99         | 2.30            | 1 / 1          | 23.25                 | 25.55        | 0.359        | 30.00            | -4.45       |
|           | 16-QAM    | 3954.99         | 2.30            | 1 / 64         | 22.43                 | 24.73        | 0.297        | 30.00            | -5.27       |
|           | 64-QAM    | 3725.01         | 2.30            | 1 / 64         | 21.51                 | 23.81        | 0.240        | 30.00            | -6.19       |
|           | 256-QAM   | 3954.99         | 2.30            | 1 / 131        | 18.62                 | 20.92        | 0.124        | 30.00            | -9.08       |
|           |           |                 |                 |                |                       |              |              |                  |             |
| 60 MHz    | 11/2 BPSK | 3730.02         | 2.30            | 1 / 1          | 23.43                 | 25.73        | 0.374        | 30.00            | -4.27       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.43                 | 25.73        | 0.374        | 30.00            | -4.27       |
|           |           | 3949.98         | 2.30            | 1 / 1          | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           | QPSK      | 3730.02         | 2.30            | 1 / 1          | 23.37                 | 25.67        | 0.369        | 30.00            | -4.33       |
|           |           | 3840.00         | 2.30            | 1 / 160        | 23.27                 | 25.57        | 0.361        | 30.00            | -4.43       |
|           |           | 3949.98         | 2.30            | 1 / 81         | 23.46                 | 25.76        | 0.377        | 30.00            | -4.24       |
|           | 16-QAM    | 3949.98         | 2.30            | 1 / 1          | 22.52                 | 24.82        | 0.303        | 30.00            | -5.18       |
|           | 64-QAM    | 3840.00         | 2.30            | 1 / 81         | 21.56                 | 23.86        | 0.243        | 30.00            | -6.14       |
|           | 256-QAM   | 3840.00         | 2.30            | 1 / 81         | 18.61                 | 20.91        | 0.123        | 30.00            | -9.09       |
|           |           |                 |                 |                |                       |              |              |                  |             |
| 70 MHz    | 11/2 BPSK | 3735.00         | 2.30            | 1 / 1          | 23.25                 | 25.55        | 0.359        | 30.00            | -4.45       |
|           |           | 3840.00         | 2.30            | 1 / 187        | 23.33                 | 25.63        | 0.366        | 30.00            | -4.37       |
|           |           | 3945.00         | 2.30            | 1 / 187        | 23.39                 | 25.69        | 0.371        | 30.00            | -4.31       |
|           | QPSK      | 3735.00         | 2.30            | 1 / 187        | 23.47                 | 25.77        | 0.378        | 30.00            | -4.23       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.39                 | 25.69        | 0.371        | 30.00            | -4.31       |
|           |           | 3945.00         | 2.30            | 1 / 1          | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           | 16-QAM    | 3945.00         | 2.30            | 1 / 90         | 22.53                 | 24.83        | 0.304        | 30.00            | -5.17       |
|           | 64-QAM    | 3840.00         | 2.30            | 1 / 90         | 21.52                 | 23.82        | 0.241        | 30.00            | -6.18       |
|           | 256-QAM   | 3735.00         | 2.30            | 1 / 1          | 18.61                 | 20.91        | 0.123        | 30.00            | -9.09       |
|           |           |                 |                 |                |                       |              |              |                  |             |
| 80 MHz    | 11/2 BPSK | 3740.01         | 2.30            | 1 / 1          | 23.22                 | 25.52        | 0.356        | 30.00            | -4.48       |
|           |           | 3840.00         | 2.30            | 1 / 1          | 23.43                 | 25.73        | 0.374        | 30.00            | -4.27       |
|           |           | 3939.99         | 2.30            | 1 / 1          | 23.27                 | 25.57        | 0.361        | 30.00            | -4.43       |
|           | QPSK      | 3740.01         | 2.30            | 1 / 1          | 23.35                 | 25.65        | 0.367        | 30.00            | -4.35       |
|           |           | 3840.00         | 2.30            | 1 / 108        | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           |           | 3939.99         | 2.30            | 1 / 215        | 23.47                 | 25.77        | 0.378        | 30.00            | -4.23       |
|           | 16-QAM    | 3939.99         | 2.30            | 1 / 108        | 22.51                 | 24.81        | 0.303        | 30.00            | -5.19       |
|           | 64-QAM    | 3939.99         | 2.30            | 1 / 108        | 21.49                 | 23.79        | 0.239        | 30.00            | -6.21       |
|           | 256-QAM   | 3840.00         | 2.30            | 1 / 215        | 18.53                 | 20.83        | 0.121        | 30.00            | -9.17       |
|           |           |                 |                 |                |                       |              |              |                  |             |
| 90 MHz    | 11/2 BPSK | 3745.02         | 2.30            | 1 / 243        | 23.33                 | 25.63        | 0.366        | 30.00            | -4.37       |
|           |           | 3840.00         | 2.30            | 1 / 243        | 23.38                 | 25.68        | 0.370        | 30.00            | -4.32       |
|           |           | 3934.98         | 2.30            | 1 / 243        | 23.36                 | 25.66        | 0.368        | 30.00            | -4.34       |
|           | QPSK      | 3745.02         | 2.30            | 1 / 243        | 23.30                 | 25.60        | 0.363        | 30.00            | -4.40       |
|           |           | 3840.00         | 2.30            | 1 / 120        | 23.44                 | 25.74        | 0.375        | 30.00            | -4.26       |
|           |           | 3934.98         | 2.30            | 1 / 1          | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           | 16-QAM    | 3934.98         | 2.30            | 1 / 1          | 22.44                 | 24.74        | 0.298        | 30.00            | -5.26       |
|           | 64-QAM    | 3840.00         | 2.30            | 1 / 243        | 21.40                 | 23.70        | 0.234        | 30.00            | -6.30       |
|           | 256-QAM   | 3934.98         | 2.30            | 1 / 120        | 18.62                 | 20.92        | 0.124        | 30.00            | -9.08       |
|           |           |                 |                 |                |                       |              |              |                  |             |
| 100 MHz   | 11/2 BPSK | 3750.00         | 2.30            | 1 / 271        | 23.50                 | <b>25.80</b> | 0.380        | 30.00            | -4.20       |
|           |           | 3840.00         | 2.30            | 1 / 271        | 23.27                 | 25.57        | 0.361        | 30.00            | -4.43       |
|           |           | 3930.00         | 2.30            | 1 / 271        | 23.38                 | 25.68        | 0.370        | 30.00            | -4.32       |
|           | QPSK      | 3750.00         | 2.30            | 1 / 1          | 23.39                 | 25.69        | 0.371        | 30.00            | -4.31       |
|           |           | 3840.00         | 2.30            | 1 / 135        | 23.45                 | 25.75        | 0.376        | 30.00            | -4.25       |
|           |           | 3930.00         | 2.30            | 1 / 271        | 23.33                 | 25.63        | 0.366        | 30.00            | -4.37       |
|           | 16-QAM    | 3750.00         | 2.30            | 1 / 1          | 22.50                 | 24.80        | 0.302        | 30.00            | -5.20       |
|           | 64-QAM    | 3750.00         | 2.30            | 1 / 271        | 21.43                 | 23.73        | 0.236        | 30.00            | -6.27       |
|           | 256-QAM   | 3750.00         | 2.30            | 1 / 271        | 18.51                 | 20.81        | 0.121        | 30.00            | -9.19       |
|           |           |                 |                 |                |                       |              |              |                  |             |

Table 7-9. Antenna 2a EIRP Data (NR Band n77 (PC3) – C Band)

|                                            |                                                                                     |                            |  |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|--|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device |  | Page 240 of 265                   |

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## 7.6.3 Antenna 4 – EIRP

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |        |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|--------|
| 10 MHz    | π/2 BPSK | 3455.01         | -2.00           | 1 / 12         | 26.38                 | 24.38      | 0.274        | 30.00            | -5.62       |        |
|           |          | 3500.01         | -2.00           | 1 / 22         | 26.32                 | 24.32      | 0.270        | 30.00            | -5.68       |        |
|           |          | 3544.98         | -2.00           | 1 / 1          | 26.40                 | 24.40      | 0.275        | 30.00            | -5.60       |        |
|           |          | 3455.01         | -2.00           | 1 / 12         | 26.41                 | 24.41      | 0.276        | 30.00            | -5.59       |        |
|           |          | 3500.01         | -2.00           | 1 / 1          | 26.50                 | 24.50      | 0.282        | 30.00            | -5.50       |        |
|           | QPSK     | 3544.98         | -2.00           | 1 / 22         | 26.33                 | 24.33      | 0.271        | 30.00            | -5.67       |        |
|           |          | 3455.01         | -2.00           | 1 / 12         | 25.39                 | 23.39      | 0.218        | 30.00            | -6.61       |        |
|           |          | 64-QAM          | 3544.98         | -2.00          | 1 / 22                | 24.45      | 22.45        | 0.176            | 30.00       | -7.55  |
|           |          | 256-QAM         | 3455.01         | -2.00          | 1 / 22                | 21.57      | 19.57        | 0.091            | 30.00       | -10.43 |
|           |          | 15 MHz          | π/2 BPSK        | 3457.50        | -2.00                 | 1 / 36     | 26.40        | 24.40            | 0.275       | 30.00  |
| 3500.01   | -2.00    |                 |                 | 1 / 1          | 26.50                 | 24.50      | 0.282        | 30.00            | -5.50       |        |
| 3542.49   | -2.00    |                 |                 | 1 / 1          | 26.43                 | 24.43      | 0.277        | 30.00            | -5.57       |        |
| 3457.50   | -2.00    |                 |                 | 1 / 36         | 26.43                 | 24.43      | 0.277        | 30.00            | -5.57       |        |
| 3500.01   | -2.00    |                 |                 | 1 / 1          | 26.26                 | 24.26      | 0.267        | 30.00            | -5.74       |        |
| QPSK      | 3542.49  |                 | -2.00           | 1 / 36         | 26.42                 | 24.42      | 0.277        | 30.00            | -5.58       |        |
|           | 16-QAM   |                 | 3542.49         | -2.00          | 1 / 1                 | 25.51      | 23.51        | 0.224            | 30.00       | -6.49  |
|           | 64-QAM   |                 | 3542.49         | -2.00          | 1 / 36                | 24.49      | 22.49        | 0.177            | 30.00       | -7.51  |
|           | 256-QAM  |                 | 3500.01         | -2.00          | 1 / 1                 | 21.57      | 19.57        | 0.091            | 30.00       | -10.43 |
|           | 20 MHz   |                 | π/2 BPSK        | 3460.02        | -2.00                 | 1 / 49     | 26.31        | 24.31            | 0.270       | 30.00  |
| 3500.01   |          | -2.00           |                 | 1 / 49         | 26.50                 | 24.50      | 0.282        | 30.00            | -5.50       |        |
| 3540.00   |          | -2.00           |                 | 1 / 49         | 26.44                 | 24.44      | 0.278        | 30.00            | -5.56       |        |
| 3460.02   |          | -2.00           |                 | 1 / 49         | 26.46                 | 24.46      | 0.279        | 30.00            | -5.54       |        |
| 3500.01   |          | -2.00           |                 | 1 / 1          | 26.45                 | 24.45      | 0.279        | 30.00            | -5.55       |        |
| QPSK      |          | 3540.00         | -2.00           | 1 / 25         | 26.45                 | 24.45      | 0.279        | 30.00            | -5.55       |        |
|           |          | 16-QAM          | 3540.00         | -2.00          | 1 / 49                | 25.49      | 23.49        | 0.223            | 30.00       | -6.51  |
|           |          | 64-QAM          | 3500.01         | -2.00          | 1 / 49                | 24.36      | 22.36        | 0.172            | 30.00       | -7.64  |
|           |          | 256-QAM         | 3460.02         | -2.00          | 1 / 1                 | 21.60      | 19.60        | 0.091            | 30.00       | -10.40 |
|           |          | 30 MHz          | π/2 BPSK        | 3465.00        | -2.00                 | 1 / 76     | 26.37        | 24.37            | 0.274       | 30.00  |
| 3500.01   | -2.00    |                 |                 | 1 / 36         | 26.50                 | 24.50      | 0.282        | 30.00            | -5.50       |        |
| 3534.99   | -2.00    |                 |                 | 1 / 76         | 26.38                 | 24.38      | 0.274        | 30.00            | -5.62       |        |
| 3465.00   | -2.00    |                 |                 | 1 / 1          | 26.31                 | 24.31      | 0.270        | 30.00            | -5.69       |        |
| 3500.01   | -2.00    |                 |                 | 1 / 1          | 26.50                 | 24.50      | 0.282        | 30.00            | -5.50       |        |
| QPSK      | 3534.99  |                 | -2.00           | 1 / 1          | 26.35                 | 24.35      | 0.272        | 30.00            | -5.65       |        |
|           | 16-QAM   |                 | 3500.01         | -2.00          | 1 / 36                | 25.53      | 23.53        | 0.225            | 30.00       | -6.47  |
|           | 64-QAM   |                 | 3465.00         | -2.00          | 1 / 1                 | 24.56      | 22.56        | 0.180            | 30.00       | -7.44  |
|           | 256-QAM  |                 | 3534.99         | -2.00          | 1 / 1                 | 21.65      | 19.65        | 0.092            | 30.00       | -10.35 |
|           | 40 MHz   |                 | π/2 BPSK        | 3470.01        | -2.00                 | 1 / 1      | 26.42        | 24.42            | 0.277       | 30.00  |
| 3500.01   |          | -2.00           |                 | 1 / 1          | 26.39                 | 24.39      | 0.275        | 30.00            | -5.61       |        |
| 3529.98   |          | -2.00           |                 | 1 / 1          | 26.50                 | 24.50      | 0.282        | 30.00            | -5.50       |        |
| 3470.01   |          | -2.00           |                 | 1 / 104        | 26.34                 | 24.34      | 0.272        | 30.00            | -5.66       |        |
| 3500.01   |          | -2.00           |                 | 1 / 104        | 26.38                 | 24.38      | 0.274        | 30.00            | -5.62       |        |
| QPSK      |          | 3529.98         | -2.00           | 1 / 1          | 26.46                 | 24.46      | 0.279        | 30.00            | -5.54       |        |
|           |          | 16-QAM          | 3529.98         | -2.00          | 1 / 50                | 25.37      | 23.37        | 0.217            | 30.00       | -6.63  |
|           |          | 64-QAM          | 3470.01         | -2.00          | 1 / 50                | 24.39      | 22.39        | 0.173            | 30.00       | -7.61  |
|           |          | 256-QAM         | 3529.98         | -2.00          | 1 / 104               | 21.59      | 19.59        | 0.091            | 30.00       | -10.41 |
|           |          | 50 MHz          | π/2 BPSK        | 3475.02        | -2.00                 | 1 / 1      | 26.37        | 24.37            | 0.274       | 30.00  |
| 3500.01   | -2.00    |                 |                 | 1 / 1          | 26.16                 | 24.16      | 0.261        | 30.00            | -5.84       |        |
| 3525.00   | -2.00    |                 |                 | 1 / 1          | 26.50                 | 24.50      | 0.282        | 30.00            | -5.50       |        |
| 3475.02   | -2.00    |                 |                 | 1 / 1          | 26.45                 | 24.45      | 0.279        | 30.00            | -5.55       |        |
| 3500.01   | -2.00    |                 |                 | 1 / 131        | 26.45                 | 24.45      | 0.279        | 30.00            | -5.55       |        |
| QPSK      | 3525.00  |                 | -2.00           | 1 / 64         | 26.47                 | 24.47      | 0.280        | 30.00            | -5.53       |        |
|           | 16-QAM   |                 | 3525.00         | -2.00          | 1 / 64                | 25.53      | 23.53        | 0.225            | 30.00       | -6.47  |
|           | 64-QAM   |                 | 3500.01         | -2.00          | 1 / 131               | 24.50      | 22.50        | 0.178            | 30.00       | -7.50  |
|           | 256-QAM  |                 | 3525.00         | -2.00          | 1 / 131               | 21.61      | 19.61        | 0.091            | 30.00       | -10.39 |
|           | 60 MHz   |                 | π/2 BPSK        | 3480.00        | -2.00                 | 1 / 1      | 26.36        | 24.36            | 0.273       | 30.00  |
| 3500.01   |          | -2.00           |                 | 1 / 160        | 26.30                 | 24.30      | 0.269        | 30.00            | -5.70       |        |
| 3519.99   |          | -2.00           |                 | 1 / 160        | 26.49                 | 24.49      | 0.281        | 30.00            | -5.51       |        |
| 3480.00   |          | -2.00           |                 | 1 / 160        | 26.50                 | 24.50      | 0.282        | 30.00            | -5.50       |        |
| 3500.01   |          | -2.00           |                 | 1 / 160        | 26.46                 | 24.46      | 0.279        | 30.00            | -5.54       |        |
| QPSK      |          | 3519.99         | -2.00           | 1 / 160        | 26.30                 | 24.30      | 0.269        | 30.00            | -5.70       |        |
|           |          | 16-QAM          | 3480.00         | -2.00          | 1 / 1                 | 25.48      | 23.48        | 0.223            | 30.00       | -6.52  |
|           |          | 64-QAM          | 3519.99         | -2.00          | 1 / 160               | 24.40      | 22.40        | 0.174            | 30.00       | -7.60  |
|           |          | 256-QAM         | 3480.00         | -2.00          | 1 / 160               | 21.56      | 19.56        | 0.090            | 30.00       | -10.44 |
|           |          | 70 MHz          | π/2 BPSK        | 3485.01        | -2.00                 | 1 / 90     | 26.44        | 24.44            | 0.278       | 30.00  |
| 3500.01   | -2.00    |                 |                 | 1 / 1          | 26.36                 | 24.36      | 0.273        | 30.00            | -5.64       |        |
| 3514.98   | -2.00    |                 |                 | 1 / 90         | 26.47                 | 24.47      | 0.280        | 30.00            | -5.53       |        |
| 3485.01   | -2.00    |                 |                 | 1 / 187        | 26.12                 | 24.12      | 0.258        | 30.00            | -5.88       |        |
| 3500.01   | -2.00    |                 |                 | 1 / 90         | 26.37                 | 24.37      | 0.274        | 30.00            | -5.63       |        |
| QPSK      | 3514.98  |                 | -2.00           | 1 / 1          | 26.50                 | 24.50      | 0.282        | 30.00            | -5.50       |        |
|           | 16-QAM   |                 | 3514.98         | -2.00          | 1 / 187               | 25.48      | 23.48        | 0.223            | 30.00       | -6.52  |
|           | 64-QAM   |                 | 3514.98         | -2.00          | 1 / 187               | 24.51      | 22.51        | 0.178            | 30.00       | -7.49  |
|           | 256-QAM  |                 | 3485.01         | -2.00          | 1 / 187               | 21.62      | 19.62        | 0.092            | 30.00       | -10.38 |
|           | 80 MHz   |                 | π/2 BPSK        | 3490.02        | -2.00                 | 1 / 108    | 26.28        | 24.28            | 0.268       | 30.00  |
| 3500.01   |          | -2.00           |                 | 1 / 108        | 26.38                 | 24.38      | 0.274        | 30.00            | -5.62       |        |
| 3510.00   |          | -2.00           |                 | 1 / 215        | 26.29                 | 24.29      | 0.269        | 30.00            | -5.71       |        |
| 3490.02   |          | -2.00           |                 | 1 / 108        | 26.50                 | 24.50      | 0.282        | 30.00            | -5.50       |        |
| 3500.01   |          | -2.00           |                 | 1 / 1          | 26.33                 | 24.33      | 0.271        | 30.00            | -5.67       |        |
| QPSK      |          | 3510.00         | -2.00           | 1 / 1          | 26.47                 | 24.47      | 0.280        | 30.00            | -5.53       |        |
|           |          | 16-QAM          | 3510.00         | -2.00          | 1 / 1                 | 25.51      | 23.51        | 0.224            | 30.00       | -6.49  |
|           |          | 64-QAM          | 3500.01         | -2.00          | 1 / 108               | 24.47      | 22.47        | 0.177            | 30.00       | -7.53  |
|           |          | 256-QAM         | 3490.02         | -2.00          | 1 / 215               | 21.59      | 19.59        | 0.091            | 30.00       | -10.41 |
|           |          | 90 MHz          | π/2 BPSK        | 3495.00        | -2.00                 | 1 / 243    | 26.50        | 24.50            | 0.282       | 30.00  |
| 3500.01   | -2.00    |                 |                 | 1 / 120        | 26.35                 | 24.35      | 0.272        | 30.00            | -5.65       |        |
| 3504.99   | -2.00    |                 |                 | 1 / 120        | 26.40                 | 24.40      | 0.275        | 30.00            | -5.60       |        |
| 3495.00   | -2.00    |                 |                 | 1 / 243        | 26.27                 | 24.27      | 0.267        | 30.00            | -5.73       |        |
| 3500.01   | -2.00    |                 |                 | 1 / 1          | 26.41                 | 24.41      | 0.276        | 30.00            | -5.59       |        |
| QPSK      | 3504.99  |                 | -2.00           | 1 / 1          | 26.41                 | 24.41      | 0.276        | 30.00            | -5.59       |        |
|           | 16-QAM   |                 | 3500.01         | -2.00          | 1 / 120               | 25.48      | 23.48        | 0.223            | 30.00       | -6.52  |
|           | 64-QAM   |                 | 3500.01         | -2.00          | 1 / 1                 | 24.46      | 22.46        | 0.176            | 30.00       | -7.54  |
|           | 256-QAM  |                 | 3504.99         | -2.00          | 1 / 1                 | 21.50      | 19.50        | 0.089            | 30.00       | -10.50 |
|           | 100 MHz  |                 | π/2 BPSK        | 3500.01        | -2.00                 | 1 / 271    | 26.31        | 24.31            | 0.270       | 30.00  |
| QPSK      |          | 3500.01         |                 | -2.00          | 1 / 1                 | 26.48      | 24.48        | 0.281            | 30.00       | -5.52  |
| 16-QAM    |          | 3500.01         |                 | -2.00          | 1 / 271               | 25.39      | 23.39        | 0.218            | 30.00       | -6.61  |
| 64-QAM    |          | 3500.01         | -2.00           | 1 / 1          | 24.51                 | 22.51      | 0.178        | 30.00            | -7.49       |        |
|           |          | 256-QAM         | 3500.01         | -2.00          | 1 / 135               | 21.57      | 19.57        | 0.091            | 30.00       | -10.43 |

Table 7-10. Antenna 4 EIRP Data (NR Band n77 (PC2) – DoD Band)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 241 of 265                   |

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| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3455.01         | -2.00           | 1 / 1          | 25.51                 | <b>23.51</b> | 0.224        | 30.00            | -6.49       |
|           |          | 3500.01         | -2.00           | 1 / 12         | 25.57                 | 23.57        | 0.228        | 30.00            | -6.43       |
|           |          | 3544.98         | -2.00           | 1 / 1          | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           | QPSK     | 3455.01         | -2.00           | 1 / 22         | 25.69                 | 23.69        | 0.234        | 30.00            | -6.31       |
|           |          | 3500.01         | -2.00           | 1 / 12         | 25.69                 | 23.69        | 0.234        | 30.00            | -6.31       |
|           |          | 3544.98         | -2.00           | 1 / 22         | 25.37                 | 23.37        | 0.217        | 30.00            | -6.63       |
|           | 16-QAM   | 3544.98         | -2.00           | 1 / 1          | 24.58                 | 22.58        | 0.181        | 30.00            | -7.42       |
|           | 64-QAM   | 3544.98         | -2.00           | 1 / 12         | 23.63                 | 21.63        | 0.146        | 30.00            | -8.37       |
| 256-QAM   | 3455.01  | -2.00           | 1 / 1           | 20.84          | 18.84                 | 0.077        | 30.00        | -11.16           |             |
| 15 MHz    | π/2 BPSK | 3457.50         | -2.00           | 1 / 36         | 25.61                 | 23.61        | 0.230        | 30.00            | -6.39       |
|           |          | 3500.01         | -2.00           | 1 / 36         | 25.50                 | 23.50        | 0.224        | 30.00            | -6.50       |
|           |          | 3542.49         | -2.00           | 1 / 18         | 25.50                 | 23.50        | 0.224        | 30.00            | -6.50       |
|           | QPSK     | 3457.50         | -2.00           | 1 / 18         | 25.66                 | 23.66        | 0.232        | 30.00            | -6.34       |
|           |          | 3500.01         | -2.00           | 1 / 18         | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           |          | 3542.49         | -2.00           | 1 / 1          | 25.40                 | 23.40        | 0.219        | 30.00            | -6.60       |
|           | 16-QAM   | 3457.50         | -2.00           | 1 / 1          | 24.68                 | 22.68        | 0.185        | 30.00            | -7.32       |
|           | 64-QAM   | 3500.01         | -2.00           | 1 / 1          | 23.70                 | 21.70        | 0.148        | 30.00            | -8.30       |
| 256-QAM   | 3457.50  | -2.00           | 1 / 1           | 20.80          | 18.80                 | 0.076        | 30.00        | -11.20           |             |
| 20 MHz    | π/2 BPSK | 3460.02         | -2.00           | 1 / 1          | 25.67                 | 23.67        | 0.233        | 30.00            | -6.33       |
|           |          | 3500.01         | -2.00           | 1 / 49         | 25.35                 | 23.35        | 0.216        | 30.00            | -6.65       |
|           |          | 3540.00         | -2.00           | 1 / 1          | 25.56                 | 23.56        | 0.227        | 30.00            | -6.44       |
|           | QPSK     | 3460.02         | -2.00           | 1 / 49         | 25.64                 | 23.64        | 0.231        | 30.00            | -6.36       |
|           |          | 3500.01         | -2.00           | 1 / 49         | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           |          | 3540.00         | -2.00           | 1 / 1          | 25.68                 | 23.68        | 0.233        | 30.00            | -6.32       |
|           | 16-QAM   | 3460.02         | -2.00           | 1 / 49         | 24.76                 | 22.76        | 0.189        | 30.00            | -7.24       |
|           | 64-QAM   | 3540.00         | -2.00           | 1 / 49         | 23.74                 | 21.74        | 0.149        | 30.00            | -8.26       |
| 256-QAM   | 3540.00  | -2.00           | 1 / 25          | 20.82          | 18.82                 | 0.076        | 30.00        | -11.18           |             |
| 30 MHz    | π/2 BPSK | 3465.00         | -2.00           | 1 / 1          | 25.57                 | 23.57        | 0.228        | 30.00            | -6.43       |
|           |          | 3500.01         | -2.00           | 1 / 1          | 25.58                 | 23.58        | 0.228        | 30.00            | -6.42       |
|           |          | 3534.99         | -2.00           | 1 / 76         | 25.51                 | 23.51        | 0.224        | 30.00            | -6.49       |
|           | QPSK     | 3465.00         | -2.00           | 1 / 36         | 25.67                 | 23.67        | 0.233        | 30.00            | -6.33       |
|           |          | 3500.01         | -2.00           | 1 / 76         | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           |          | 3534.99         | -2.00           | 1 / 1          | 25.68                 | 23.68        | 0.233        | 30.00            | -6.32       |
|           | 16-QAM   | 3500.01         | -2.00           | 1 / 36         | 24.62                 | 22.62        | 0.183        | 30.00            | -7.38       |
|           | 64-QAM   | 3534.99         | -2.00           | 1 / 1          | 23.61                 | 21.61        | 0.145        | 30.00            | -8.39       |
| 256-QAM   | 3534.99  | -2.00           | 1 / 76          | 20.75          | 18.75                 | 0.075        | 30.00        | -11.25           |             |
| 40 MHz    | π/2 BPSK | 3470.01         | -2.00           | 1 / 50         | 25.61                 | 23.61        | 0.230        | 30.00            | -6.39       |
|           |          | 3500.01         | -2.00           | 1 / 50         | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           |          | 3529.98         | -2.00           | 1 / 104        | 25.56                 | 23.56        | 0.227        | 30.00            | -6.44       |
|           | QPSK     | 3470.01         | -2.00           | 1 / 1          | 25.63                 | 23.63        | 0.231        | 30.00            | -6.37       |
|           |          | 3500.01         | -2.00           | 1 / 104        | 25.56                 | 23.56        | 0.227        | 30.00            | -6.44       |
|           |          | 3529.98         | -2.00           | 1 / 50         | 25.61                 | 23.61        | 0.230        | 30.00            | -6.39       |
|           | 16-QAM   | 3529.98         | -2.00           | 1 / 50         | 24.63                 | 22.63        | 0.183        | 30.00            | -7.37       |
|           | 64-QAM   | 3500.01         | -2.00           | 1 / 1          | 23.71                 | 21.71        | 0.148        | 30.00            | -8.29       |
| 256-QAM   | 3529.98  | -2.00           | 1 / 1           | 20.81          | 18.81                 | 0.076        | 30.00        | -11.19           |             |
| 50 MHz    | π/2 BPSK | 3475.02         | -2.00           | 1 / 1          | 25.66                 | 23.66        | 0.232        | 30.00            | -6.34       |
|           |          | 3500.01         | -2.00           | 1 / 131        | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           |          | 3525.00         | -2.00           | 1 / 131        | 25.34                 | 23.34        | 0.216        | 30.00            | -6.66       |
|           | QPSK     | 3475.02         | -2.00           | 1 / 1          | 25.58                 | 23.58        | 0.228        | 30.00            | -6.42       |
|           |          | 3500.01         | -2.00           | 1 / 64         | 25.34                 | 23.34        | 0.216        | 30.00            | -6.66       |
|           |          | 3525.00         | -2.00           | 1 / 1          | 25.39                 | 23.39        | 0.218        | 30.00            | -6.61       |
|           | 16-QAM   | 3475.02         | -2.00           | 1 / 64         | 24.71                 | 22.71        | 0.187        | 30.00            | -7.29       |
|           | 64-QAM   | 3475.02         | -2.00           | 1 / 64         | 23.65                 | 21.65        | 0.146        | 30.00            | -8.35       |
| 256-QAM   | 3525.00  | -2.00           | 1 / 64          | 20.80          | 18.80                 | 0.076        | 30.00        | -11.20           |             |
| 60 MHz    | π/2 BPSK | 3480.00         | -2.00           | 1 / 81         | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           |          | 3500.01         | -2.00           | 1 / 160        | 25.61                 | 23.61        | 0.230        | 30.00            | -6.39       |
|           |          | 3519.99         | -2.00           | 1 / 1          | 25.66                 | 23.66        | 0.232        | 30.00            | -6.34       |
|           | QPSK     | 3480.00         | -2.00           | 1 / 160        | 25.51                 | 23.51        | 0.224        | 30.00            | -6.49       |
|           |          | 3500.01         | -2.00           | 1 / 1          | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           |          | 3519.99         | -2.00           | 1 / 81         | 25.68                 | 23.68        | 0.233        | 30.00            | -6.32       |
|           | 16-QAM   | 3480.00         | -2.00           | 1 / 1          | 24.58                 | 22.58        | 0.181        | 30.00            | -7.42       |
|           | 64-QAM   | 3500.01         | -2.00           | 1 / 81         | 23.64                 | 21.64        | 0.146        | 30.00            | -8.36       |
| 256-QAM   | 3519.99  | -2.00           | 1 / 1           | 20.77          | 18.77                 | 0.075        | 30.00        | -11.23           |             |
| 70 MHz    | π/2 BPSK | 3485.01         | -2.00           | 1 / 90         | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           |          | 3500.01         | -2.00           | 1 / 187        | 25.63                 | 23.63        | 0.231        | 30.00            | -6.37       |
|           |          | 3514.98         | -2.00           | 1 / 1          | 25.43                 | 23.43        | 0.220        | 30.00            | -6.57       |
|           | QPSK     | 3485.01         | -2.00           | 1 / 1          | 25.67                 | 23.67        | 0.233        | 30.00            | -6.33       |
|           |          | 3500.01         | -2.00           | 1 / 90         | 25.61                 | 23.61        | 0.230        | 30.00            | -6.39       |
|           |          | 3514.98         | -2.00           | 1 / 90         | 25.56                 | 23.56        | 0.227        | 30.00            | -6.44       |
|           | 16-QAM   | 3514.98         | -2.00           | 1 / 1          | 24.71                 | 22.71        | 0.187        | 30.00            | -7.29       |
|           | 64-QAM   | 3514.98         | -2.00           | 1 / 90         | 23.71                 | 21.71        | 0.148        | 30.00            | -8.29       |
| 256-QAM   | 3485.01  | -2.00           | 1 / 187         | 20.70          | 18.70                 | 0.074        | 30.00        | -11.30           |             |
| 80 MHz    | π/2 BPSK | 3490.02         | -2.00           | 1 / 1          | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           |          | 3500.01         | -2.00           | 1 / 1          | 25.54                 | 23.54        | 0.226        | 30.00            | -6.46       |
|           |          | 3510.00         | -2.00           | 1 / 215        | 25.69                 | 23.69        | 0.234        | 30.00            | -6.31       |
|           | QPSK     | 3490.02         | -2.00           | 1 / 1          | 25.55                 | 23.55        | 0.226        | 30.00            | -6.45       |
|           |          | 3500.01         | -2.00           | 1 / 1          | 25.54                 | 23.54        | 0.226        | 30.00            | -6.46       |
|           |          | 3510.00         | -2.00           | 1 / 108        | 25.54                 | 23.54        | 0.226        | 30.00            | -6.46       |
|           | 16-QAM   | 3500.01         | -2.00           | 1 / 1          | 24.71                 | 22.71        | 0.187        | 30.00            | -7.29       |
|           | 64-QAM   | 3510.00         | -2.00           | 1 / 215        | 23.69                 | 21.69        | 0.148        | 30.00            | -8.31       |
| 256-QAM   | 3490.02  | -2.00           | 1 / 1           | 20.78          | 18.78                 | 0.076        | 30.00        | -11.22           |             |
| 90 MHz    | π/2 BPSK | 3495.00         | -2.00           | 1 / 120        | 25.67                 | 23.67        | 0.233        | 30.00            | -6.33       |
|           |          | 3500.01         | -2.00           | 1 / 1          | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           |          | 3504.99         | -2.00           | 1 / 243        | 25.50                 | 23.50        | 0.224        | 30.00            | -6.50       |
|           | QPSK     | 3495.00         | -2.00           | 1 / 1          | 25.66                 | 23.66        | 0.232        | 30.00            | -6.34       |
|           |          | 3500.01         | -2.00           | 1 / 243        | 25.57                 | 23.57        | 0.228        | 30.00            | -6.43       |
|           |          | 3504.99         | -2.00           | 1 / 1          | 25.48                 | 23.48        | 0.223        | 30.00            | -6.52       |
|           | 16-QAM   | 3495.00         | -2.00           | 1 / 1          | 24.58                 | 22.58        | 0.181        | 30.00            | -7.42       |
|           | 64-QAM   | 3504.99         | -2.00           | 1 / 120        | 23.69                 | 21.69        | 0.148        | 30.00            | -8.31       |
| 256-QAM   | 3504.99  | -2.00           | 1 / 120         | 20.80          | 18.80                 | 0.076        | 30.00        | -11.20           |             |
| 100 MHz   | π/2 BPSK | 3500.01         | -2.00           | 1 / 1          | 25.64                 | 23.64        | 0.231        | 30.00            | -6.36       |
|           | QPSK     | 3500.01         | -2.00           | 1 / 135        | 25.70                 | <b>23.70</b> | 0.234        | 30.00            | -6.30       |
|           | 16-QAM   | 3500.01         | -2.00           | 1 / 271        | 24.70                 | 22.70        | 0.186        | 30.00            | -7.30       |
|           | 64-QAM   | 3500.01         | -2.00           | 1 / 271        | 23.29                 | 21.29        | 0.135        | 30.00            | -8.71       |
|           | 256-QAM  | 3500.01         | -2.00           | 1 / 135        | 20.80                 | 18.80        | 0.076        | 30.00            | -11.20      |

Table 7-11. Antenna 4 EIRP Data (NR Band n77 (PC3) – DoD Band)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 242 of 265                   |

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| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3705.00         | -1.00           | 1 / 22         | 26.31                 | <b>25.31</b> | 0.340        | 30.00            | -4.69       |
|           |          | 3840.00         | -1.00           | 1 / 22         | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3975.00         | -1.00           | 1 / 12         | 26.37                 | 25.37        | 0.344        | 30.00            | -4.63       |
|           | QPSK     | 3705.00         | -1.00           | 1 / 12         | 26.39                 | 25.39        | 0.346        | 30.00            | -4.61       |
|           |          | 3840.00         | -1.00           | 1 / 12         | 26.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           |          | 3975.00         | -1.00           | 1 / 12         | 26.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           | 16-QAM   | 3975.00         | -1.00           | 1 / 1          | 25.42                 | 24.42        | 0.277        | 30.00            | -5.58       |
|           | 64-QAM   | 3840.00         | -1.00           | 1 / 22         | 24.43                 | 23.43        | 0.220        | 30.00            | -6.57       |
|           | 256-QAM  | 3975.00         | -1.00           | 1 / 22         | 21.60                 | 20.60        | 0.115        | 30.00            | -9.40       |
| 15 MHz    | π/2 BPSK | 3707.51         | -1.00           | 1 / 18         | 26.45                 | 25.45        | 0.351        | 30.00            | -4.55       |
|           |          | 3840.00         | -1.00           | 1 / 18         | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3972.50         | -1.00           | 1 / 1          | 26.27                 | 25.27        | 0.337        | 30.00            | -4.73       |
|           | QPSK     | 3707.51         | -1.00           | 1 / 36         | 26.39                 | 25.39        | 0.346        | 30.00            | -4.61       |
|           |          | 3840.00         | -1.00           | 1 / 36         | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3972.50         | -1.00           | 1 / 36         | 26.47                 | 25.47        | 0.352        | 30.00            | -4.53       |
|           | 16-QAM   | 3707.51         | -1.00           | 1 / 36         | 25.39                 | 24.39        | 0.275        | 30.00            | -5.61       |
|           | 64-QAM   | 3972.50         | -1.00           | 1 / 18         | 24.51                 | 23.51        | 0.224        | 30.00            | -6.49       |
|           | 256-QAM  | 3972.50         | -1.00           | 1 / 18         | 21.53                 | 20.53        | 0.113        | 30.00            | -9.47       |
| 20 MHz    | π/2 BPSK | 3710.01         | -1.00           | 1 / 49         | 26.48                 | 25.48        | 0.353        | 30.00            | -4.52       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 26.48                 | 25.48        | 0.353        | 30.00            | -4.52       |
|           |          | 3969.99         | -1.00           | 1 / 25         | 26.48                 | 25.48        | 0.353        | 30.00            | -4.52       |
|           | QPSK     | 3710.01         | -1.00           | 1 / 49         | 26.31                 | 25.31        | 0.340        | 30.00            | -4.69       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 26.49                 | 25.49        | 0.354        | 30.00            | -4.51       |
|           |          | 3969.99         | -1.00           | 1 / 49         | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           | 16-QAM   | 3969.99         | -1.00           | 1 / 1          | 25.50                 | 24.50        | 0.282        | 30.00            | -5.50       |
|           | 64-QAM   | 3969.99         | -1.00           | 1 / 25         | 24.53                 | 23.53        | 0.225        | 30.00            | -6.47       |
|           | 256-QAM  | 3710.01         | -1.00           | 1 / 49         | 21.57                 | 20.57        | 0.114        | 30.00            | -9.43       |
| 30 MHz    | π/2 BPSK | 3715.02         | -1.00           | 1 / 1          | 26.24                 | 25.24        | 0.334        | 30.00            | -4.76       |
|           |          | 3840.00         | -1.00           | 1 / 36         | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3964.98         | -1.00           | 1 / 76         | 26.31                 | 25.31        | 0.340        | 30.00            | -4.69       |
|           | QPSK     | 3715.02         | -1.00           | 1 / 36         | 26.47                 | 25.47        | 0.352        | 30.00            | -4.53       |
|           |          | 3840.00         | -1.00           | 1 / 76         | 26.36                 | 25.36        | 0.344        | 30.00            | -4.64       |
|           |          | 3964.98         | -1.00           | 1 / 36         | 26.32                 | 25.32        | 0.340        | 30.00            | -4.68       |
|           | 16-QAM   | 3840.00         | -1.00           | 1 / 76         | 25.49                 | 24.49        | 0.281        | 30.00            | -5.51       |
|           | 64-QAM   | 3964.98         | -1.00           | 1 / 76         | 24.54                 | 23.54        | 0.226        | 30.00            | -6.46       |
|           | 256-QAM  | 3715.02         | -1.00           | 1 / 76         | 21.60                 | 20.60        | 0.115        | 30.00            | -9.40       |
| 40 MHz    | π/2 BPSK | 3720.00         | -1.00           | 1 / 104        | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3840.00         | -1.00           | 1 / 50         | 26.30                 | 25.30        | 0.339        | 30.00            | -4.70       |
|           |          | 3960.00         | -1.00           | 1 / 104        | 26.26                 | 25.26        | 0.336        | 30.00            | -4.74       |
|           | QPSK     | 3720.00         | -1.00           | 1 / 104        | 26.36                 | 25.36        | 0.344        | 30.00            | -4.64       |
|           |          | 3840.00         | -1.00           | 1 / 104        | 26.28                 | 25.28        | 0.337        | 30.00            | -4.72       |
|           |          | 3960.00         | -1.00           | 1 / 1          | 26.47                 | 25.47        | 0.352        | 30.00            | -4.53       |
|           | 16-QAM   | 3960.00         | -1.00           | 1 / 104        | 25.54                 | 24.54        | 0.284        | 30.00            | -5.46       |
|           | 64-QAM   | 3720.00         | -1.00           | 1 / 50         | 24.39                 | 23.39        | 0.218        | 30.00            | -6.61       |
|           | 256-QAM  | 3840.00         | -1.00           | 1 / 104        | 21.62                 | 20.62        | 0.115        | 30.00            | -9.38       |
| 50 MHz    | π/2 BPSK | 3725.01         | -1.00           | 1 / 64         | 26.30                 | 25.30        | 0.339        | 30.00            | -4.70       |
|           |          | 3840.00         | -1.00           | 1 / 64         | 26.42                 | 25.42        | 0.348        | 30.00            | -4.58       |
|           |          | 3954.99         | -1.00           | 1 / 1          | 26.42                 | 25.42        | 0.348        | 30.00            | -4.58       |
|           | QPSK     | 3725.01         | -1.00           | 1 / 1          | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3840.00         | -1.00           | 1 / 131        | 26.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           |          | 3954.99         | -1.00           | 1 / 131        | 26.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           | 16-QAM   | 3725.01         | -1.00           | 1 / 131        | 25.51                 | 24.51        | 0.282        | 30.00            | -5.49       |
|           | 64-QAM   | 3954.99         | -1.00           | 1 / 131        | 24.46                 | 23.46        | 0.222        | 30.00            | -6.54       |
|           | 256-QAM  | 3840.00         | -1.00           | 1 / 1          | 21.61                 | 20.61        | 0.115        | 30.00            | -9.39       |
| 60 MHz    | π/2 BPSK | 3730.02         | -1.00           | 1 / 160        | 26.42                 | 25.42        | 0.348        | 30.00            | -4.58       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 26.15                 | 25.15        | 0.327        | 30.00            | -4.85       |
|           |          | 3949.98         | -1.00           | 1 / 1          | 26.26                 | 25.26        | 0.336        | 30.00            | -4.74       |
|           | QPSK     | 3730.02         | -1.00           | 1 / 1          | 26.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3949.98         | -1.00           | 1 / 1          | 26.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           | 16-QAM   | 3840.00         | -1.00           | 1 / 1          | 25.33                 | 24.33        | 0.271        | 30.00            | -5.67       |
|           | 64-QAM   | 3949.98         | -1.00           | 1 / 160        | 24.50                 | 23.50        | 0.224        | 30.00            | -6.50       |
|           | 256-QAM  | 3840.00         | -1.00           | 1 / 81         | 21.54                 | 20.54        | 0.113        | 30.00            | -9.46       |
| 70 MHz    | π/2 BPSK | 3735.00         | -1.00           | 1 / 1          | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 26.36                 | 25.36        | 0.344        | 30.00            | -4.64       |
|           |          | 3945.00         | -1.00           | 1 / 1          | 26.26                 | 25.26        | 0.336        | 30.00            | -4.74       |
|           | QPSK     | 3735.00         | -1.00           | 1 / 90         | 26.48                 | 25.48        | 0.353        | 30.00            | -4.52       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 26.40                 | 25.40        | 0.347        | 30.00            | -4.60       |
|           |          | 3945.00         | -1.00           | 1 / 90         | 26.11                 | 25.11        | 0.324        | 30.00            | -4.89       |
|           | 16-QAM   | 3945.00         | -1.00           | 1 / 187        | 25.47                 | 24.47        | 0.280        | 30.00            | -5.53       |
|           | 64-QAM   | 3735.00         | -1.00           | 1 / 187        | 24.46                 | 23.46        | 0.222        | 30.00            | -6.54       |
|           | 256-QAM  | 3840.00         | -1.00           | 1 / 187        | 21.59                 | 20.59        | 0.115        | 30.00            | -9.41       |
| 80 MHz    | π/2 BPSK | 3740.01         | -1.00           | 1 / 1          | 26.38                 | 25.38        | 0.345        | 30.00            | -4.62       |
|           |          | 3840.00         | -1.00           | 1 / 215        | 26.20                 | 25.20        | 0.331        | 30.00            | -4.80       |
|           |          | 3939.99         | -1.00           | 1 / 215        | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           | QPSK     | 3740.01         | -1.00           | 1 / 215        | 26.39                 | 25.39        | 0.346        | 30.00            | -4.61       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 26.03                 | 25.03        | 0.318        | 30.00            | -4.97       |
|           |          | 3939.99         | -1.00           | 1 / 1          | 26.38                 | 25.38        | 0.345        | 30.00            | -4.62       |
|           | 16-QAM   | 3740.01         | -1.00           | 1 / 108        | 25.48                 | 24.48        | 0.281        | 30.00            | -5.52       |
|           | 64-QAM   | 3840.00         | -1.00           | 1 / 215        | 24.50                 | 23.50        | 0.224        | 30.00            | -6.50       |
|           | 256-QAM  | 3840.00         | -1.00           | 1 / 108        | 21.54                 | 20.54        | 0.113        | 30.00            | -9.46       |
| 90 MHz    | π/2 BPSK | 3745.02         | -1.00           | 1 / 120        | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3840.00         | -1.00           | 1 / 243        | 26.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           |          | 3934.98         | -1.00           | 1 / 243        | 26.40                 | 25.40        | 0.347        | 30.00            | -4.60       |
|           | QPSK     | 3745.02         | -1.00           | 1 / 1          | 26.24                 | 25.24        | 0.334        | 30.00            | -4.76       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3934.98         | -1.00           | 1 / 1          | 26.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           | 16-QAM   | 3934.98         | -1.00           | 1 / 120        | 25.47                 | 24.47        | 0.280        | 30.00            | -5.53       |
|           | 64-QAM   | 3745.02         | -1.00           | 1 / 1          | 24.51                 | 23.51        | 0.224        | 30.00            | -6.49       |
|           | 256-QAM  | 3934.98         | -1.00           | 1 / 120        | 21.61                 | 20.61        | 0.115        | 30.00            | -9.39       |
| 100 MHz   | π/2 BPSK | 3750.00         | -1.00           | 1 / 135        | 26.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 26.50                 | <b>25.50</b> | 0.355        | 30.00            | -4.50       |
|           |          | 3930.00         | -1.00           | 1 / 135        | 26.32                 | 25.32        | 0.340        | 30.00            | -4.68       |
|           | QPSK     | 3750.00         | -1.00           | 1 / 271        | 26.34                 | 25.34        | 0.342        | 30.00            | -4.66       |
|           |          | 3840.00         | -1.00           | 1 / 135        | 26.44                 | 25.44        | 0.350        | 30.00            | -4.56       |
|           |          | 3930.00         | -1.00           | 1 / 271        | 26.43                 | 25.43        | 0.349        | 30.00            | -4.57       |
|           | 16-QAM   | 3930.00         | -1.00           | 1 / 1          | 25.57                 | 24.57        | 0.286        | 30.00            | -5.43       |
|           | 64-QAM   | 3840.00         | -1.00           | 1 / 135        | 24.51                 | 23.51        | 0.224        | 30.00            | -6.49       |
|           | 256-QAM  | 3930.00         | -1.00           | 1 / 271        | 21.51                 | 20.51        | 0.112        | 30.00            | -9.49       |

Table 7-12. Antenna 4 EIRP Data (NR Band n77 (PC2) – C Band)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 243 of 265                   |

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| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3705.00         | -1.00           | 1 / 1          | 25.70                 | 24.70      | 0.295        | 30.00            | -5.30       |
|           |          | 3840.00         | -1.00           | 1 / 22         | 25.70                 | 24.70      | 0.295        | 30.00            | -5.30       |
|           |          | 3975.00         | -1.00           | 1 / 12         | 25.50                 | 24.50      | 0.282        | 30.00            | -5.50       |
|           | QPSK     | 3705.00         | -1.00           | 1 / 12         | 25.62                 | 24.62      | 0.290        | 30.00            | -5.38       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 25.60                 | 24.60      | 0.288        | 30.00            | -5.40       |
|           |          | 3975.00         | -1.00           | 1 / 12         | 25.54                 | 24.54      | 0.284        | 30.00            | -5.46       |
|           | 16-QAM   | 3840.00         | -1.00           | 1 / 22         | 24.71                 | 23.71      | 0.235        | 30.00            | -6.29       |
|           | 64-QAM   | 3975.00         | -1.00           | 1 / 12         | 23.70                 | 22.70      | 0.186        | 30.00            | -7.30       |
|           | 256-QAM  | 3705.00         | -1.00           | 1 / 22         | 20.82                 | 19.82      | 0.096        | 30.00            | -10.18      |
|           | 15 MHz   | π/2 BPSK        | 3707.51         | -1.00          | 1 / 18                | 25.51      | 24.51        | 0.282            | 30.00       |
| 3840.00   |          |                 | -1.00           | 1 / 36         | 25.70                 | 24.70      | 0.295        | 30.00            | -5.30       |
| 3972.50   |          |                 | -1.00           | 1 / 36         | 25.52                 | 24.52      | 0.283        | 30.00            | -5.48       |
| QPSK      |          | 3707.51         | -1.00           | 1 / 36         | 25.68                 | 24.68      | 0.294        | 30.00            | -5.32       |
|           |          | 3840.00         | -1.00           | 1 / 36         | 25.60                 | 24.60      | 0.288        | 30.00            | -5.40       |
|           |          | 3972.50         | -1.00           | 1 / 18         | 25.70                 | 24.70      | 0.295        | 30.00            | -5.30       |
| 16-QAM    |          | 3840.00         | -1.00           | 1 / 36         | 24.66                 | 23.66      | 0.232        | 30.00            | -6.34       |
| 64-QAM    |          | 3840.00         | -1.00           | 1 / 18         | 23.66                 | 22.66      | 0.185        | 30.00            | -7.34       |
| 256-QAM   |          | 3707.51         | -1.00           | 1 / 18         | 20.73                 | 19.73      | 0.094        | 30.00            | -10.27      |
| 20 MHz    |          | π/2 BPSK        | 3710.01         | -1.00          | 1 / 25                | 25.70      | 24.70        | 0.295            | 30.00       |
|           | 3840.00  |                 | -1.00           | 1 / 25         | 25.65                 | 24.65      | 0.292        | 30.00            | -5.35       |
|           | 3969.99  |                 | -1.00           | 1 / 1          | 25.48                 | 24.48      | 0.281        | 30.00            | -5.52       |
|           | QPSK     | 3710.01         | -1.00           | 1 / 49         | 25.39                 | 24.39      | 0.275        | 30.00            | -5.61       |
|           |          | 3840.00         | -1.00           | 1 / 25         | 25.42                 | 24.42      | 0.277        | 30.00            | -5.58       |
|           |          | 3969.99         | -1.00           | 1 / 1          | 25.50                 | 24.50      | 0.282        | 30.00            | -5.50       |
|           | 16-QAM   | 3710.01         | -1.00           | 1 / 25         | 24.66                 | 23.66      | 0.232        | 30.00            | -6.34       |
|           | 64-QAM   | 3710.01         | -1.00           | 1 / 1          | 23.70                 | 22.70      | 0.186        | 30.00            | -7.30       |
|           | 256-QAM  | 3840.00         | -1.00           | 1 / 1          | 20.69                 | 19.69      | 0.093        | 30.00            | -10.31      |
|           | 30 MHz   | π/2 BPSK        | 3715.02         | -1.00          | 1 / 76                | 25.62      | 24.62        | 0.290            | 30.00       |
| 3840.00   |          |                 | -1.00           | 1 / 36         | 25.68                 | 24.68      | 0.294        | 30.00            | -5.32       |
| 3964.98   |          |                 | -1.00           | 1 / 36         | 25.70                 | 24.70      | 0.295        | 30.00            | -5.30       |
| QPSK      |          | 3715.02         | -1.00           | 1 / 1          | 25.63                 | 24.63      | 0.290        | 30.00            | -5.37       |
|           |          | 3840.00         | -1.00           | 1 / 36         | 25.56                 | 24.56      | 0.286        | 30.00            | -5.44       |
|           |          | 3964.98         | -1.00           | 1 / 36         | 25.35                 | 24.35      | 0.272        | 30.00            | -5.65       |
| 16-QAM    |          | 3964.98         | -1.00           | 1 / 36         | 24.70                 | 23.70      | 0.234        | 30.00            | -6.30       |
| 64-QAM    |          | 3964.98         | -1.00           | 1 / 36         | 23.65                 | 22.65      | 0.184        | 30.00            | -7.35       |
| 256-QAM   |          | 3715.02         | -1.00           | 1 / 1          | 20.82                 | 19.82      | 0.096        | 30.00            | -10.18      |
| 40 MHz    |          | π/2 BPSK        | 3720.00         | -1.00          | 1 / 104               | 25.64      | 24.64        | 0.291            | 30.00       |
|           | 3840.00  |                 | -1.00           | 1 / 50         | 25.70                 | 24.70      | 0.295        | 30.00            | -5.30       |
|           | 3960.00  |                 | -1.00           | 1 / 50         | 25.67                 | 24.67      | 0.293        | 30.00            | -5.33       |
|           | QPSK     | 3720.00         | -1.00           | 1 / 50         | 25.65                 | 24.65      | 0.292        | 30.00            | -5.35       |
|           |          | 3840.00         | -1.00           | 1 / 50         | 25.66                 | 24.66      | 0.292        | 30.00            | -5.34       |
|           |          | 3960.00         | -1.00           | 1 / 1          | 25.70                 | 24.70      | 0.295        | 30.00            | -5.30       |
|           | 16-QAM   | 3840.00         | -1.00           | 1 / 1          | 24.68                 | 23.68      | 0.233        | 30.00            | -6.32       |
|           | 64-QAM   | 3960.00         | -1.00           | 1 / 50         | 23.68                 | 22.68      | 0.185        | 30.00            | -7.32       |
|           | 256-QAM  | 3960.00         | -1.00           | 1 / 104        | 20.62                 | 19.62      | 0.092        | 30.00            | -10.38      |
|           | 50 MHz   | π/2 BPSK        | 3725.01         | -1.00          | 1 / 131               | 25.68      | 24.68        | 0.294            | 30.00       |
| 3840.00   |          |                 | -1.00           | 1 / 1          | 25.55                 | 24.55      | 0.285        | 30.00            | -5.45       |
| 3954.99   |          |                 | -1.00           | 1 / 131        | 25.66                 | 24.66      | 0.292        | 30.00            | -5.34       |
| QPSK      |          | 3725.01         | -1.00           | 1 / 131        | 25.43                 | 24.43      | 0.277        | 30.00            | -5.57       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 25.65                 | 24.65      | 0.292        | 30.00            | -5.35       |
|           |          | 3954.99         | -1.00           | 1 / 64         | 25.70                 | 24.70      | 0.295        | 30.00            | -5.30       |
| 16-QAM    |          | 3840.00         | -1.00           | 1 / 131        | 24.73                 | 23.73      | 0.236        | 30.00            | -6.27       |
| 64-QAM    |          | 3954.99         | -1.00           | 1 / 64         | 23.64                 | 22.64      | 0.184        | 30.00            | -7.36       |
| 256-QAM   |          | 3954.99         | -1.00           | 1 / 64         | 20.75                 | 19.75      | 0.094        | 30.00            | -10.25      |
| 60 MHz    |          | π/2 BPSK        | 3730.02         | -1.00          | 1 / 81                | 25.51      | 24.51        | 0.282            | 30.00       |
|           | 3840.00  |                 | -1.00           | 1 / 81         | 25.70                 | 24.70      | 0.295        | 30.00            | -5.30       |
|           | 3949.98  |                 | -1.00           | 1 / 160        | 25.65                 | 24.65      | 0.292        | 30.00            | -5.35       |
|           | QPSK     | 3730.02         | -1.00           | 1 / 81         | 25.58                 | 24.58      | 0.287        | 30.00            | -5.42       |
|           |          | 3840.00         | -1.00           | 1 / 1          | 25.48                 | 24.48      | 0.281        | 30.00            | -5.52       |
|           |          | 3949.98         | -1.00           | 1 / 81         | 25.60                 | 24.60      | 0.288        | 30.00            | -5.40       |
|           | 16-QAM   | 3730.02         | -1.00           | 1 / 160        | 24.80                 | 23.80      | 0.240        | 30.00            | -6.20       |
|           | 64-QAM   | 3730.02         | -1.00           | 1 / 81         | 23.79                 | 22.79      | 0.190        | 30.00            | -7.21       |
|           | 256-QAM  | 3949.98         | -1.00           | 1 / 81         | 20.89                 | 19.89      | 0.097        | 30.00            | -10.11      |
|           | 70 MHz   | π/2 BPSK        | 3735.00         | -1.00          | 1 / 90                | 25.69      | 24.69        | 0.294            | 30.00       |
| 3840.00   |          |                 | -1.00           | 1 / 187        | 25.70                 | 24.70      | 0.295        | 30.00            | -5.30       |
| 3945.00   |          |                 | -1.00           | 1 / 90         | 25.59                 | 24.59      | 0.288        | 30.00            | -5.41       |
| QPSK      |          | 3735.00         | -1.00           | 1 / 1          | 25.60                 | 24.60      | 0.288        | 30.00            | -5.40       |
|           |          | 3840.00         | -1.00           | 1 / 187        | 25.58                 | 24.58      | 0.287        | 30.00            | -5.42       |
|           |          | 3945.00         | -1.00           | 1 / 90         | 25.65                 | 24.65      | 0.292        | 30.00            | -5.35       |
| 16-QAM    |          | 3735.00         | -1.00           | 1 / 187        | 24.62                 | 23.62      | 0.230        | 30.00            | -6.38       |
| 64-QAM    |          | 3735.00         | -1.00           | 1 / 187        | 23.70                 | 22.70      | 0.186        | 30.00            | -7.30       |
| 256-QAM   |          | 3840.00         | -1.00           | 1 / 90         | 20.83                 | 19.83      | 0.096        | 30.00            | -10.17      |
| 80 MHz    |          | π/2 BPSK        | 3740.01         | -1.00          | 1 / 108               | 25.70      | 24.70        | 0.295            | 30.00       |
|           | 3840.00  |                 | -1.00           | 1 / 215        | 25.56                 | 24.56      | 0.286        | 30.00            | -5.44       |
|           | 3939.99  |                 | -1.00           | 1 / 215        | 25.63                 | 24.63      | 0.290        | 30.00            | -5.37       |
|           | QPSK     | 3740.01         | -1.00           | 1 / 108        | 25.66                 | 24.66      | 0.292        | 30.00            | -5.34       |
|           |          | 3840.00         | -1.00           | 1 / 215        | 25.39                 | 24.39      | 0.275        | 30.00            | -5.61       |
|           |          | 3939.99         | -1.00           | 1 / 108        | 25.58                 | 24.58      | 0.287        | 30.00            | -5.42       |
|           | 16-QAM   | 3840.00         | -1.00           | 1 / 215        | 24.69                 | 23.69      | 0.234        | 30.00            | -6.31       |
|           | 64-QAM   | 3939.99         | -1.00           | 1 / 108        | 23.60                 | 22.60      | 0.182        | 30.00            | -7.40       |
|           | 256-QAM  | 3840.00         | -1.00           | 1 / 108        | 20.70                 | 19.70      | 0.093        | 30.00            | -10.30      |
|           | 90 MHz   | π/2 BPSK        | 3745.02         | -1.00          | 1 / 1                 | 25.70      | 24.70        | 0.295            | 30.00       |
| 3840.00   |          |                 | -1.00           | 1 / 120        | 25.69                 | 24.69      | 0.294        | 30.00            | -5.31       |
| 3934.98   |          |                 | -1.00           | 1 / 120        | 25.64                 | 24.64      | 0.291        | 30.00            | -5.36       |
| QPSK      |          | 3745.02         | -1.00           | 1 / 243        | 25.67                 | 24.67      | 0.293        | 30.00            | -5.33       |
|           |          | 3840.00         | -1.00           | 1 / 120        | 25.56                 | 24.56      | 0.286        | 30.00            | -5.44       |
|           |          | 3934.98         | -1.00           | 1 / 1          | 25.67                 | 24.67      | 0.293        | 30.00            | -5.33       |
| 16-QAM    |          | 3934.98         | -1.00           | 1 / 1          | 24.72                 | 23.72      | 0.236        | 30.00            | -6.28       |
| 64-QAM    |          | 3745.02         | -1.00           | 1 / 243        | 23.70                 | 22.70      | 0.186        | 30.00            | -7.30       |
| 256-QAM   |          | 3840.00         | -1.00           | 1 / 120        | 20.74                 | 19.74      | 0.094        | 30.00            | -10.26      |
| 100 MHz   |          | π/2 BPSK        | 3750.00         | -1.00          | 1 / 271               | 25.58      | 24.58        | 0.287            | 30.00       |
|           | 3840.00  |                 | -1.00           | 1 / 271        | 25.61                 | 24.61      | 0.289        | 30.00            | -5.39       |
|           | 3930.00  |                 | -1.00           | 1 / 1          | 25.45                 | 24.45      | 0.279        | 30.00            | -5.55       |
|           | QPSK     | 3750.00         | -1.00           | 1 / 1          | 25.70                 | 24.70      | 0.295        | 30.00            | -5.30       |
|           |          | 3840.00         | -1.00           | 1 / 271        | 25.50                 | 24.50      | 0.282        | 30.00            | -5.50       |
|           |          | 3930.00         | -1.00           | 1 / 1          | 25.64                 | 24.64      | 0.291        | 30.00            | -5.36       |
|           | 16-QAM   | 3930.00         | -1.00           | 1 / 135        | 24.57                 | 23.57      | 0.228        | 30.00            | -6.43       |
|           | 64-QAM   | 3840.00         | -1.00           | 1 / 135        | 23.54                 | 22.54      | 0.179        | 30.00            | -7.46       |
|           | 256-QAM  | 3750.00         | -1.00           | 1 / 135        | 20.67                 | 19.67      | 0.093        | 30.00            | -10.33      |

Table 7-13. Antenna 4 EIRP Data (NR Band n77 (PC3) – C Band)

|                  |                                                                                     |      |
|------------------|-------------------------------------------------------------------------------------|------|
| FCC ID: BCGA3267 |  | PART |
|------------------|-------------------------------------------------------------------------------------|------|



## 7.6.4 Antenna 1a – EIRP

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3455.01         | -1.20           | 1 / 12         | 23.48                 | <b>22.28</b> | 0.169        | 30.00            | -7.72       |
|           |          | 3500.01         | -1.20           | 1 / 12         | 23.45                 | 22.25        | 0.168        | 30.00            | -7.75       |
|           |          | 3544.98         | -1.20           | 1 / 12         | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           | QPSK     | 3455.01         | -1.20           | 1 / 12         | 23.37                 | 22.17        | 0.165        | 30.00            | -7.83       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 23.21                 | 22.01        | 0.159        | 30.00            | -7.99       |
|           |          | 3544.98         | -1.20           | 1 / 22         | 23.41                 | 22.21        | 0.166        | 30.00            | -7.79       |
|           | 16-QAM   | 3544.98         | -1.20           | 1 / 1          | 22.59                 | 21.39        | 0.138        | 30.00            | -8.61       |
|           | 64-QAM   | 3500.01         | -1.20           | 1 / 22         | 21.56                 | 20.36        | 0.109        | 30.00            | -9.64       |
|           | 256-QAM  | 3455.01         | -1.20           | 1 / 1          | 18.67                 | 17.47        | 0.056        | 30.00            | -12.53      |
|           | 256-QAM  | 3544.98         | -1.20           | 1 / 1          | 18.67                 | 17.47        | 0.056        | 30.00            | -12.53      |
| 15 MHz    | π/2 BPSK | 3457.50         | -1.20           | 1 / 1          | 23.45                 | 22.25        | 0.168        | 30.00            | -7.75       |
|           |          | 3500.01         | -1.20           | 1 / 18         | 23.28                 | 22.08        | 0.161        | 30.00            | -7.92       |
|           |          | 3542.49         | -1.20           | 1 / 18         | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           | QPSK     | 3457.50         | -1.20           | 1 / 18         | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 23.27                 | 22.07        | 0.161        | 30.00            | -7.93       |
|           |          | 3542.49         | -1.20           | 1 / 1          | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           | 16-QAM   | 3500.01         | -1.20           | 1 / 1          | 22.55                 | 21.35        | 0.136        | 30.00            | -8.65       |
|           | 64-QAM   | 3500.01         | -1.20           | 1 / 1          | 21.53                 | 20.33        | 0.108        | 30.00            | -9.67       |
|           | 256-QAM  | 3542.49         | -1.20           | 1 / 18         | 18.64                 | 17.44        | 0.055        | 30.00            | -12.56      |
|           | 256-QAM  | 3542.49         | -1.20           | 1 / 18         | 18.64                 | 17.44        | 0.055        | 30.00            | -12.56      |
| 20 MHz    | π/2 BPSK | 3460.02         | -1.20           | 1 / 1          | 23.37                 | 22.17        | 0.165        | 30.00            | -7.83       |
|           |          | 3500.01         | -1.20           | 1 / 25         | 23.48                 | 22.28        | 0.169        | 30.00            | -7.72       |
|           |          | 3540.00         | -1.20           | 1 / 25         | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           | QPSK     | 3460.02         | -1.20           | 1 / 25         | 23.29                 | 22.09        | 0.162        | 30.00            | -7.91       |
|           |          | 3500.01         | -1.20           | 1 / 25         | 23.33                 | 22.13        | 0.163        | 30.00            | -7.87       |
|           |          | 3540.00         | -1.20           | 1 / 25         | 23.43                 | 22.23        | 0.167        | 30.00            | -7.77       |
|           | 16-QAM   | 3460.02         | -1.20           | 1 / 49         | 22.59                 | 21.39        | 0.138        | 30.00            | -8.61       |
|           | 64-QAM   | 3500.01         | -1.20           | 1 / 49         | 21.47                 | 20.27        | 0.106        | 30.00            | -9.73       |
|           | 256-QAM  | 3540.00         | -1.20           | 1 / 1          | 18.65                 | 17.45        | 0.056        | 30.00            | -12.55      |
|           | 256-QAM  | 3540.00         | -1.20           | 1 / 1          | 18.65                 | 17.45        | 0.056        | 30.00            | -12.55      |
| 30 MHz    | π/2 BPSK | 3465.00         | -1.20           | 1 / 76         | 23.41                 | 22.21        | 0.166        | 30.00            | -7.79       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 23.40                 | 22.20        | 0.166        | 30.00            | -7.80       |
|           |          | 3534.99         | -1.20           | 1 / 36         | 23.20                 | 22.00        | 0.158        | 30.00            | -8.00       |
|           | QPSK     | 3465.00         | -1.20           | 1 / 1          | 23.24                 | 22.04        | 0.160        | 30.00            | -7.96       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 23.22                 | 22.02        | 0.159        | 30.00            | -7.98       |
|           |          | 3534.99         | -1.20           | 1 / 36         | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           | 16-QAM   | 3465.00         | -1.20           | 1 / 36         | 22.38                 | 21.18        | 0.131        | 30.00            | -8.82       |
|           | 64-QAM   | 3534.99         | -1.20           | 1 / 76         | 21.37                 | 20.17        | 0.104        | 30.00            | -9.83       |
|           | 256-QAM  | 3534.99         | -1.20           | 1 / 36         | 18.54                 | 17.34        | 0.054        | 30.00            | -12.66      |
|           | 256-QAM  | 3534.99         | -1.20           | 1 / 36         | 18.54                 | 17.34        | 0.054        | 30.00            | -12.66      |
| 40 MHz    | π/2 BPSK | 3470.01         | -1.20           | 1 / 104        | 23.30                 | 22.10        | 0.162        | 30.00            | -7.90       |
|           |          | 3500.01         | -1.20           | 1 / 104        | 23.23                 | 22.03        | 0.160        | 30.00            | -7.97       |
|           |          | 3529.98         | -1.20           | 1 / 1          | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           | QPSK     | 3470.01         | -1.20           | 1 / 50         | 23.42                 | 22.22        | 0.167        | 30.00            | -7.78       |
|           |          | 3500.01         | -1.20           | 1 / 50         | 23.49                 | 22.29        | 0.169        | 30.00            | -7.71       |
|           |          | 3529.98         | -1.20           | 1 / 1          | 23.40                 | 22.20        | 0.166        | 30.00            | -7.80       |
|           | 16-QAM   | 3470.01         | -1.20           | 1 / 1          | 22.50                 | 21.30        | 0.135        | 30.00            | -8.70       |
|           | 64-QAM   | 3500.01         | -1.20           | 1 / 104        | 21.44                 | 20.24        | 0.106        | 30.00            | -9.76       |
|           | 256-QAM  | 3470.01         | -1.20           | 1 / 1          | 18.51                 | 17.31        | 0.054        | 30.00            | -12.69      |
|           | 256-QAM  | 3470.01         | -1.20           | 1 / 1          | 18.51                 | 17.31        | 0.054        | 30.00            | -12.69      |
| 50 MHz    | π/2 BPSK | 3475.02         | -1.20           | 1 / 64         | 23.39                 | 22.19        | 0.166        | 30.00            | -7.81       |
|           |          | 3500.01         | -1.20           | 1 / 64         | 23.18                 | 21.98        | 0.158        | 30.00            | -8.02       |
|           |          | 3525.00         | -1.20           | 1 / 131        | 23.36                 | 22.16        | 0.164        | 30.00            | -7.84       |
|           | QPSK     | 3475.02         | -1.20           | 1 / 64         | 23.36                 | 22.16        | 0.164        | 30.00            | -7.84       |
|           |          | 3500.01         | -1.20           | 1 / 64         | 23.35                 | 22.15        | 0.164        | 30.00            | -7.85       |
|           |          | 3525.00         | -1.20           | 1 / 1          | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           | 16-QAM   | 3525.00         | -1.20           | 1 / 64         | 22.48                 | 21.28        | 0.134        | 30.00            | -8.72       |
|           | 64-QAM   | 3500.01         | -1.20           | 1 / 131        | 21.41                 | 20.21        | 0.105        | 30.00            | -9.79       |
|           | 256-QAM  | 3475.02         | -1.20           | 1 / 1          | 18.62                 | 17.42        | 0.055        | 30.00            | -12.58      |
|           | 256-QAM  | 3475.02         | -1.20           | 1 / 1          | 18.62                 | 17.42        | 0.055        | 30.00            | -12.58      |
| 60 MHz    | π/2 BPSK | 3480.00         | -1.20           | 1 / 160        | 23.32                 | 22.12        | 0.163        | 30.00            | -7.88       |
|           |          | 3500.01         | -1.20           | 1 / 81         | 23.42                 | 22.22        | 0.167        | 30.00            | -7.78       |
|           |          | 3519.99         | -1.20           | 1 / 1          | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           | QPSK     | 3480.00         | -1.20           | 1 / 1          | 23.47                 | 22.27        | 0.169        | 30.00            | -7.73       |
|           |          | 3500.01         | -1.20           | 1 / 160        | 23.33                 | 22.13        | 0.163        | 30.00            | -7.87       |
|           |          | 3519.99         | -1.20           | 1 / 160        | 23.48                 | 22.28        | 0.169        | 30.00            | -7.72       |
|           | 16-QAM   | 3500.01         | -1.20           | 1 / 160        | 22.48                 | 21.28        | 0.134        | 30.00            | -8.72       |
|           | 64-QAM   | 3480.00         | -1.20           | 1 / 81         | 21.53                 | 20.33        | 0.108        | 30.00            | -9.67       |
|           | 256-QAM  | 3500.01         | -1.20           | 1 / 81         | 18.44                 | 17.24        | 0.053        | 30.00            | -12.76      |
|           | 256-QAM  | 3500.01         | -1.20           | 1 / 81         | 18.44                 | 17.24        | 0.053        | 30.00            | -12.76      |
| 70 MHz    | π/2 BPSK | 3485.01         | -1.20           | 1 / 1          | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 23.46                 | 22.26        | 0.168        | 30.00            | -7.74       |
|           |          | 3514.98         | -1.20           | 1 / 1          | 23.45                 | 22.25        | 0.168        | 30.00            | -7.75       |
|           | QPSK     | 3485.01         | -1.20           | 1 / 1          | 23.42                 | 22.22        | 0.167        | 30.00            | -7.78       |
|           |          | 3500.01         | -1.20           | 1 / 187        | 23.42                 | 22.22        | 0.167        | 30.00            | -7.78       |
|           |          | 3514.98         | -1.20           | 1 / 1          | 23.45                 | 22.25        | 0.168        | 30.00            | -7.75       |
|           | 16-QAM   | 3485.01         | -1.20           | 1 / 1          | 22.50                 | 21.30        | 0.135        | 30.00            | -8.70       |
|           | 64-QAM   | 3514.98         | -1.20           | 1 / 187        | 21.49                 | 20.29        | 0.107        | 30.00            | -9.71       |
|           | 256-QAM  | 3485.01         | -1.20           | 1 / 1          | 18.53                 | 17.33        | 0.054        | 30.00            | -12.67      |
|           | 256-QAM  | 3485.01         | -1.20           | 1 / 1          | 18.53                 | 17.33        | 0.054        | 30.00            | -12.67      |
| 80 MHz    | π/2 BPSK | 3490.02         | -1.20           | 1 / 215        | 23.40                 | 22.20        | 0.166        | 30.00            | -7.80       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3510.00         | -1.20           | 1 / 215        | 23.37                 | 22.17        | 0.165        | 30.00            | -7.83       |
|           | QPSK     | 3490.02         | -1.20           | 1 / 215        | 23.47                 | 22.27        | 0.169        | 30.00            | -7.73       |
|           |          | 3500.01         | -1.20           | 1 / 108        | 23.42                 | 22.22        | 0.167        | 30.00            | -7.78       |
|           |          | 3510.00         | -1.20           | 1 / 215        | 23.47                 | 22.27        | 0.169        | 30.00            | -7.73       |
|           | 16-QAM   | 3500.01         | -1.20           | 1 / 215        | 22.48                 | 21.28        | 0.134        | 30.00            | -8.72       |
|           | 64-QAM   | 3490.02         | -1.20           | 1 / 1          | 21.50                 | 20.30        | 0.107        | 30.00            | -9.70       |
|           | 256-QAM  | 3510.00         | -1.20           | 1 / 1          | 18.59                 | 17.39        | 0.055        | 30.00            | -12.61      |
|           | 256-QAM  | 3510.00         | -1.20           | 1 / 1          | 18.59                 | 17.39        | 0.055        | 30.00            | -12.61      |
| 90 MHz    | π/2 BPSK | 3495.00         | -1.20           | 1 / 243        | 23.42                 | 22.22        | 0.167        | 30.00            | -7.78       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3504.99         | -1.20           | 1 / 120        | 23.29                 | 22.09        | 0.162        | 30.00            | -7.91       |
|           | QPSK     | 3495.00         | -1.20           | 1 / 120        | 23.43                 | 22.23        | 0.167        | 30.00            | -7.77       |
|           |          | 3500.01         | -1.20           | 1 / 243        | 23.17                 | 21.97        | 0.157        | 30.00            | -8.03       |
|           |          | 3504.99         | -1.20           | 1 / 1          | 23.49                 | 22.29        | 0.169        | 30.00            | -7.71       |
|           | 16-QAM   | 3495.00         | -1.20           | 1 / 1          | 22.46                 | 21.26        | 0.134        | 30.00            | -8.74       |
|           | 64-QAM   | 3500.01         | -1.20           | 1 / 120        | 21.50                 | 20.30        | 0.107        | 30.00            | -9.70       |
|           | 256-QAM  | 3504.99         | -1.20           | 1 / 120        | 18.57                 | 17.37        | 0.055        | 30.00            | -12.63      |
|           | 256-QAM  | 3504.99         | -1.20           | 1 / 120        | 18.57                 | 17.37        | 0.055        | 30.00            | -12.63      |
| 100 MHz   | π/2 BPSK | 3500.01         | -1.20           | 1 / 1          | 23.05                 | 21.85        | 0.153        | 30.00            | -8.15       |
|           | QPSK     | 3500.01         | -1.20           | 1 / 1          | 23.40                 | <b>22.20</b> | 0.166        | 30.00            | -7.80       |
|           | 16-QAM   | 3500.01         | -1.20           | 1 / 135        | 22.34                 | 21.14        | 0.130        | 30.00            | -8.86       |
|           | 64-QAM   | 3500.01         | -1.20           | 1 / 1          | 21.37                 | 20.17        | 0.104        | 30.00            | -9.83       |
|           | 256-QAM  | 3500.01         | -1.20           | 1 / 1          | 18.24                 | 17.04        | 0.051        | 30.00            | -12.96      |

Table 7-14. Antenna 1a EIRP Data (NR Band n77 (PC2) – DoD Band)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 245 of 265                   |

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| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3455.01         | -1.20           | 1 / 1          | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 23.22                 | 22.02        | 0.159        | 30.00            | -7.98       |
|           |          | 3544.98         | -1.20           | 1 / 22         | 23.46                 | 22.26        | 0.168        | 30.00            | -7.74       |
|           | QPSK     | 3455.01         | -1.20           | 1 / 12         | 23.32                 | 22.12        | 0.163        | 30.00            | -7.88       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 23.48                 | <b>22.28</b> | 0.169        | 30.00            | -7.72       |
|           |          | 3544.98         | -1.20           | 1 / 12         | 23.46                 | 22.26        | 0.168        | 30.00            | -7.74       |
|           | 16-QAM   | 3544.98         | -1.20           | 1 / 12         | 22.51                 | 21.31        | 0.135        | 30.00            | -8.69       |
|           | 64-QAM   | 3500.01         | -1.20           | 1 / 22         | 21.50                 | 20.30        | 0.107        | 30.00            | -9.70       |
|           | 256-QAM  | 3500.01         | -1.20           | 1 / 1          | 18.62                 | 17.42        | 0.055        | 30.00            | -12.58      |
|           |          | 3457.50         | -1.20           | 1 / 1          | 23.42                 | 22.22        | 0.167        | 30.00            | -7.78       |
| 15 MHz    | π/2 BPSK | 3500.01         | -1.20           | 1 / 1          | 23.34                 | 22.14        | 0.164        | 30.00            | -7.86       |
|           |          | 3542.49         | -1.20           | 1 / 18         | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3457.50         | -1.20           | 1 / 36         | 23.25                 | 22.05        | 0.160        | 30.00            | -7.95       |
|           | QPSK     | 3500.01         | -1.20           | 1 / 1          | 23.41                 | 22.21        | 0.166        | 30.00            | -7.79       |
|           |          | 3542.49         | -1.20           | 1 / 18         | 23.47                 | 22.27        | 0.169        | 30.00            | -7.73       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 22.34                 | 21.14        | 0.130        | 30.00            | -8.86       |
|           | 16-QAM   | 3542.49         | -1.20           | 1 / 18         | 21.42                 | 20.22        | 0.105        | 30.00            | -9.78       |
|           | 64-QAM   | 3542.49         | -1.20           | 1 / 18         | 21.42                 | 20.22        | 0.105        | 30.00            | -9.78       |
|           | 256-QAM  | 3457.50         | -1.20           | 1 / 18         | 18.61                 | 17.41        | 0.055        | 30.00            | -12.59      |
|           |          | 3460.02         | -1.20           | 1 / 49         | 23.42                 | 22.22        | 0.167        | 30.00            | -7.78       |
| 20 MHz    | π/2 BPSK | 3500.01         | -1.20           | 1 / 1          | 23.43                 | 22.23        | 0.167        | 30.00            | -7.77       |
|           |          | 3540.00         | -1.20           | 1 / 1          | 23.39                 | 22.19        | 0.166        | 30.00            | -7.81       |
|           |          | 3460.02         | -1.20           | 1 / 1          | 23.43                 | 22.23        | 0.167        | 30.00            | -7.77       |
|           | QPSK     | 3500.01         | -1.20           | 1 / 25         | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3540.00         | -1.20           | 1 / 25         | 23.38                 | 22.18        | 0.165        | 30.00            | -7.82       |
|           |          | 3500.01         | -1.20           | 1 / 25         | 22.37                 | 21.17        | 0.131        | 30.00            | -8.83       |
|           | 16-QAM   | 3540.00         | -1.20           | 1 / 49         | 21.51                 | 20.31        | 0.107        | 30.00            | -9.69       |
|           | 64-QAM   | 3540.00         | -1.20           | 1 / 49         | 21.51                 | 20.31        | 0.107        | 30.00            | -9.69       |
|           | 256-QAM  | 3540.00         | -1.20           | 1 / 25         | 18.55                 | 17.35        | 0.054        | 30.00            | -12.65      |
|           |          | 3465.00         | -1.20           | 1 / 76         | 23.46                 | 22.26        | 0.168        | 30.00            | -7.74       |
| 30 MHz    | π/2 BPSK | 3500.01         | -1.20           | 1 / 1          | 23.40                 | 22.20        | 0.166        | 30.00            | -7.80       |
|           |          | 3534.99         | -1.20           | 1 / 76         | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3465.00         | -1.20           | 1 / 76         | 23.41                 | 22.21        | 0.166        | 30.00            | -7.79       |
|           | QPSK     | 3500.01         | -1.20           | 1 / 76         | 23.49                 | 22.29        | 0.169        | 30.00            | -7.71       |
|           |          | 3534.99         | -1.20           | 1 / 76         | 23.05                 | 21.85        | 0.153        | 30.00            | -8.15       |
|           |          | 3465.00         | -1.20           | 1 / 76         | 22.51                 | 21.31        | 0.135        | 30.00            | -8.69       |
|           | 16-QAM   | 3534.99         | -1.20           | 1 / 36         | 21.47                 | 20.27        | 0.106        | 30.00            | -9.73       |
|           | 64-QAM   | 3534.99         | -1.20           | 1 / 36         | 21.47                 | 20.27        | 0.106        | 30.00            | -9.73       |
|           | 256-QAM  | 3465.00         | -1.20           | 1 / 36         | 18.61                 | 17.41        | 0.055        | 30.00            | -12.59      |
|           |          | 3470.01         | -1.20           | 1 / 50         | 23.30                 | 22.10        | 0.162        | 30.00            | -7.90       |
| 40 MHz    | π/2 BPSK | 3500.01         | -1.20           | 1 / 104        | 23.07                 | 21.87        | 0.154        | 30.00            | -8.13       |
|           |          | 3529.98         | -1.20           | 1 / 1          | 23.35                 | 22.15        | 0.164        | 30.00            | -7.85       |
|           |          | 3470.01         | -1.20           | 1 / 104        | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           | QPSK     | 3500.01         | -1.20           | 1 / 50         | 23.35                 | 22.15        | 0.164        | 30.00            | -7.85       |
|           |          | 3529.98         | -1.20           | 1 / 50         | 23.46                 | 22.26        | 0.168        | 30.00            | -7.74       |
|           |          | 3500.01         | -1.20           | 1 / 104        | 22.46                 | 21.26        | 0.134        | 30.00            | -8.74       |
|           | 16-QAM   | 3529.98         | -1.20           | 1 / 1          | 21.49                 | 20.29        | 0.107        | 30.00            | -9.71       |
|           | 64-QAM   | 3529.98         | -1.20           | 1 / 1          | 21.49                 | 20.29        | 0.107        | 30.00            | -9.71       |
|           | 256-QAM  | 3529.98         | -1.20           | 1 / 104        | 18.60                 | 17.40        | 0.055        | 30.00            | -12.60      |
|           |          | 3475.02         | -1.20           | 1 / 64         | 23.36                 | 22.16        | 0.164        | 30.00            | -7.84       |
| 50 MHz    | π/2 BPSK | 3500.01         | -1.20           | 1 / 1          | 23.44                 | 22.24        | 0.167        | 30.00            | -7.76       |
|           |          | 3525.00         | -1.20           | 1 / 131        | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3475.02         | -1.20           | 1 / 131        | 23.20                 | 22.00        | 0.158        | 30.00            | -8.00       |
|           | QPSK     | 3500.01         | -1.20           | 1 / 1          | 23.38                 | 22.18        | 0.165        | 30.00            | -7.82       |
|           |          | 3525.00         | -1.20           | 1 / 131        | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 22.50                 | 21.30        | 0.135        | 30.00            | -8.70       |
|           | 16-QAM   | 3525.00         | -1.20           | 1 / 131        | 21.47                 | 20.27        | 0.106        | 30.00            | -9.73       |
|           | 64-QAM   | 3525.00         | -1.20           | 1 / 131        | 21.47                 | 20.27        | 0.106        | 30.00            | -9.73       |
|           | 256-QAM  | 3500.01         | -1.20           | 1 / 1          | 18.61                 | 17.41        | 0.055        | 30.00            | -12.59      |
|           |          | 3480.00         | -1.20           | 1 / 81         | 23.34                 | 22.14        | 0.164        | 30.00            | -7.86       |
| 60 MHz    | π/2 BPSK | 3500.01         | -1.20           | 1 / 160        | 23.45                 | 22.25        | 0.168        | 30.00            | -7.75       |
|           |          | 3519.99         | -1.20           | 1 / 81         | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3480.00         | -1.20           | 1 / 1          | 23.23                 | 22.03        | 0.160        | 30.00            | -7.97       |
|           | QPSK     | 3500.01         | -1.20           | 1 / 160        | 23.46                 | 22.26        | 0.168        | 30.00            | -7.74       |
|           |          | 3519.99         | -1.20           | 1 / 1          | 23.43                 | 22.23        | 0.167        | 30.00            | -7.77       |
|           |          | 3500.01         | -1.20           | 1 / 81         | 22.52                 | 21.32        | 0.136        | 30.00            | -8.68       |
|           | 16-QAM   | 3519.99         | -1.20           | 1 / 81         | 21.47                 | 20.27        | 0.106        | 30.00            | -9.73       |
|           | 64-QAM   | 3519.99         | -1.20           | 1 / 81         | 21.47                 | 20.27        | 0.106        | 30.00            | -9.73       |
|           | 256-QAM  | 3480.00         | -1.20           | 1 / 1          | 18.54                 | 17.34        | 0.054        | 30.00            | -12.66      |
|           |          | 3485.01         | -1.20           | 1 / 1          | 23.38                 | 22.18        | 0.165        | 30.00            | -7.82       |
| 70 MHz    | π/2 BPSK | 3500.01         | -1.20           | 1 / 187        | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3514.98         | -1.20           | 1 / 1          | 23.42                 | 22.22        | 0.167        | 30.00            | -7.78       |
|           |          | 3485.01         | -1.20           | 1 / 187        | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           | QPSK     | 3500.01         | -1.20           | 1 / 1          | 23.44                 | 22.24        | 0.167        | 30.00            | -7.76       |
|           |          | 3514.98         | -1.20           | 1 / 187        | 23.46                 | 22.26        | 0.168        | 30.00            | -7.74       |
|           |          | 3485.01         | -1.20           | 1 / 90         | 22.49                 | 21.29        | 0.135        | 30.00            | -8.71       |
|           | 16-QAM   | 3500.01         | -1.20           | 1 / 90         | 21.51                 | 20.31        | 0.107        | 30.00            | -9.69       |
|           | 64-QAM   | 3500.01         | -1.20           | 1 / 90         | 21.51                 | 20.31        | 0.107        | 30.00            | -9.69       |
|           | 256-QAM  | 3485.01         | -1.20           | 1 / 90         | 18.54                 | 17.34        | 0.054        | 30.00            | -12.66      |
|           |          | 3490.02         | -1.20           | 1 / 215        | 23.41                 | 22.21        | 0.166        | 30.00            | -7.79       |
| 80 MHz    | π/2 BPSK | 3500.01         | -1.20           | 1 / 215        | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3510.00         | -1.20           | 1 / 1          | 23.45                 | 22.25        | 0.168        | 30.00            | -7.75       |
|           |          | 3490.02         | -1.20           | 1 / 1          | 23.49                 | 22.29        | 0.169        | 30.00            | -7.71       |
|           | QPSK     | 3500.01         | -1.20           | 1 / 108        | 23.44                 | 22.24        | 0.167        | 30.00            | -7.76       |
|           |          | 3510.00         | -1.20           | 1 / 108        | 23.25                 | 22.05        | 0.160        | 30.00            | -7.95       |
|           |          | 3500.01         | -1.20           | 1 / 1          | 22.49                 | 21.29        | 0.135        | 30.00            | -8.71       |
|           | 16-QAM   | 3500.01         | -1.20           | 1 / 108        | 21.46                 | 20.26        | 0.106        | 30.00            | -9.74       |
|           | 64-QAM   | 3500.01         | -1.20           | 1 / 108        | 21.46                 | 20.26        | 0.106        | 30.00            | -9.74       |
|           | 256-QAM  | 3500.01         | -1.20           | 1 / 215        | 18.59                 | 17.39        | 0.055        | 30.00            | -12.61      |
|           |          | 3495.00         | -1.20           | 1 / 120        | 23.34                 | 22.14        | 0.164        | 30.00            | -7.86       |
| 90 MHz    | π/2 BPSK | 3500.01         | -1.20           | 1 / 1          | 23.50                 | <b>22.30</b> | 0.170        | 30.00            | -7.70       |
|           |          | 3504.99         | -1.20           | 1 / 243        | 23.44                 | 22.24        | 0.167        | 30.00            | -7.76       |
|           |          | 3495.00         | -1.20           | 1 / 243        | 23.47                 | 22.27        | 0.169        | 30.00            | -7.73       |
|           | QPSK     | 3500.01         | -1.20           | 1 / 1          | 23.49                 | 22.29        | 0.169        | 30.00            | -7.71       |
|           |          | 3504.99         | -1.20           | 1 / 243        | 23.35                 | 22.15        | 0.164        | 30.00            | -7.85       |
|           |          | 3504.99         | -1.20           | 1 / 120        | 22.45                 | 21.25        | 0.133        | 30.00            | -8.75       |
|           | 16-QAM   | 3504.99         | -1.20           | 1 / 1          | 21.49                 | 20.29        | 0.107        | 30.00            | -9.71       |
|           | 64-QAM   | 3504.99         | -1.20           | 1 / 1          | 21.49                 | 20.29        | 0.107        | 30.00            | -9.71       |
|           | 256-QAM  | 3504.99         | -1.20           | 1 / 243        | 18.58                 | 17.38        | 0.055        | 30.00            | -12.62      |
|           |          | 3500.01         | -1.20           | 1 / 1          | 23.47                 | 22.27        | 0.169        | 30.00            | -7.73       |
| 100 MHz   | π/2 BPSK | 3500.01         | -1.20           | 1 / 135        | 23.30                 | 22.10        | 0.162        | 30.00            | -7.90       |
|           | QPSK     | 3500.01         | -1.20           | 1 / 135        | 22.38                 | 21.18        | 0.131        | 30.00            | -8.82       |
|           | 16-QAM   | 3500.01         | -1.20           | 1 / 271        | 21.42                 | 20.22        | 0.105        | 30.00            | -9.78       |
|           | 256-QAM  | 3500.01         | -1.20           | 1 / 1          | 18.43                 | 17.23        | 0.053        | 30.00            | -12.77      |

Table 7-15. Antenna 1a EIRP Data (NR Band n77 (PC3) – DoD Band)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 246 of 265                   |

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| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3705.00         | -2.40           | 1 / 12         | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
|           |          | 3840.00         | -2.40           | 1 / 12         | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
|           |          | 3975.00         | -2.40           | 1 / 1          | 23.46                 | 21.06      | 0.128        | 30.00            | -8.94       |
|           | QPSK     | 3705.00         | -2.40           | 1 / 1          | 23.39                 | 20.99      | 0.126        | 30.00            | -9.01       |
|           |          | 3840.00         | -2.40           | 1 / 1          | 23.40                 | 21.00      | 0.126        | 30.00            | -9.00       |
|           |          | 3975.00         | -2.40           | 1 / 22         | 23.27                 | 20.87      | 0.122        | 30.00            | -9.13       |
|           | 16-QAM   | 3975.00         | -2.40           | 1 / 22         | 22.45                 | 20.05      | 0.101        | 30.00            | -9.95       |
|           | 64-QAM   | 3705.00         | -2.40           | 1 / 1          | 21.47                 | 19.07      | 0.081        | 30.00            | -10.93      |
|           | 256-QAM  | 3840.00         | -2.40           | 1 / 12         | 18.56                 | 16.16      | 0.041        | 30.00            | -13.84      |
|           | 256-QAM  | 3707.51         | -2.40           | 1 / 18         | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
| 15 MHz    | π/2 BPSK | 3840.00         | -2.40           | 1 / 36         | 23.49                 | 21.09      | 0.129        | 30.00            | -8.91       |
|           |          | 3972.50         | -2.40           | 1 / 18         | 23.33                 | 20.93      | 0.124        | 30.00            | -9.07       |
|           |          | 3707.51         | -2.40           | 1 / 18         | 23.47                 | 21.07      | 0.128        | 30.00            | -8.93       |
|           | QPSK     | 3840.00         | -2.40           | 1 / 1          | 23.27                 | 20.87      | 0.122        | 30.00            | -9.13       |
|           |          | 3972.50         | -2.40           | 1 / 1          | 23.40                 | 21.00      | 0.126        | 30.00            | -9.00       |
|           |          | 3707.51         | -2.40           | 1 / 1          | 22.45                 | 20.05      | 0.101        | 30.00            | -9.95       |
|           | 16-QAM   | 3840.00         | -2.40           | 1 / 18         | 21.35                 | 18.95      | 0.079        | 30.00            | -11.05      |
|           | 64-QAM   | 3707.51         | -2.40           | 1 / 36         | 18.60                 | 16.20      | 0.042        | 30.00            | -13.80      |
|           | 256-QAM  | 3707.51         | -2.40           | 1 / 36         | 18.60                 | 16.20      | 0.042        | 30.00            | -13.80      |
|           | 20 MHz   | π/2 BPSK        | 3710.01         | -2.40          | 1 / 25                | 23.25      | 20.85        | 0.122            | 30.00       |
| 3840.00   |          |                 | -2.40           | 1 / 1          | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
| 3969.99   |          |                 | -2.40           | 1 / 25         | 23.49                 | 21.09      | 0.129        | 30.00            | -8.91       |
| QPSK      |          | 3710.01         | -2.40           | 1 / 49         | 23.21                 | 20.81      | 0.121        | 30.00            | -9.19       |
|           |          | 3840.00         | -2.40           | 1 / 1          | 23.46                 | 21.06      | 0.128        | 30.00            | -8.94       |
|           |          | 3969.99         | -2.40           | 1 / 49         | 23.46                 | 21.06      | 0.128        | 30.00            | -8.94       |
| 16-QAM    |          | 3710.01         | -2.40           | 1 / 25         | 22.52                 | 20.12      | 0.103        | 30.00            | -9.88       |
| 64-QAM    |          | 3969.99         | -2.40           | 1 / 1          | 21.50                 | 19.10      | 0.081        | 30.00            | -10.90      |
| 256-QAM   |          | 3710.01         | -2.40           | 1 / 49         | 18.60                 | 16.20      | 0.042        | 30.00            | -13.80      |
| 30 MHz    |          | π/2 BPSK        | 3715.02         | -2.40          | 1 / 1                 | 23.50      | 21.10        | 0.129            | 30.00       |
|           | 3840.00  |                 | -2.40           | 1 / 76         | 23.39                 | 20.99      | 0.126        | 30.00            | -9.01       |
|           | 3964.98  |                 | -2.40           | 1 / 76         | 23.38                 | 20.98      | 0.125        | 30.00            | -9.02       |
|           | QPSK     | 3715.02         | -2.40           | 1 / 76         | 23.27                 | 20.87      | 0.122        | 30.00            | -9.13       |
|           |          | 3840.00         | -2.40           | 1 / 76         | 23.38                 | 20.98      | 0.125        | 30.00            | -9.02       |
|           |          | 3964.98         | -2.40           | 1 / 36         | 23.23                 | 20.83      | 0.121        | 30.00            | -9.17       |
|           | 16-QAM   | 3715.02         | -2.40           | 1 / 76         | 22.43                 | 20.03      | 0.101        | 30.00            | -9.97       |
|           | 64-QAM   | 3964.98         | -2.40           | 1 / 76         | 21.37                 | 18.97      | 0.079        | 30.00            | -11.03      |
|           | 256-QAM  | 3964.98         | -2.40           | 1 / 1          | 18.47                 | 16.07      | 0.040        | 30.00            | -13.93      |
|           | 40 MHz   | π/2 BPSK        | 3720.00         | -2.40          | 1 / 50                | 23.50      | 21.10        | 0.129            | 30.00       |
| 3840.00   |          |                 | -2.40           | 1 / 1          | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
| 3960.00   |          |                 | -2.40           | 1 / 1          | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
| QPSK      |          | 3720.00         | -2.40           | 1 / 1          | 23.43                 | 21.03      | 0.127        | 30.00            | -8.97       |
|           |          | 3840.00         | -2.40           | 1 / 104        | 23.42                 | 21.02      | 0.126        | 30.00            | -8.98       |
|           |          | 3960.00         | -2.40           | 1 / 104        | 23.48                 | 21.08      | 0.128        | 30.00            | -8.92       |
| 16-QAM    |          | 3840.00         | -2.40           | 1 / 104        | 22.60                 | 20.20      | 0.105        | 30.00            | -9.80       |
| 64-QAM    |          | 3960.00         | -2.40           | 1 / 50         | 21.53                 | 19.13      | 0.082        | 30.00            | -10.87      |
| 256-QAM   |          | 3960.00         | -2.40           | 1 / 50         | 18.51                 | 16.11      | 0.041        | 30.00            | -13.89      |
| 256-QAM   |          | 3725.01         | -2.40           | 1 / 131        | 23.25                 | 20.85      | 0.122        | 30.00            | -9.15       |
| 50 MHz    | π/2 BPSK | 3840.00         | -2.40           | 1 / 131        | 23.27                 | 20.87      | 0.122        | 30.00            | -9.13       |
|           |          | 3954.99         | -2.40           | 1 / 64         | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
|           |          | 3725.01         | -2.40           | 1 / 1          | 23.35                 | 20.95      | 0.124        | 30.00            | -9.05       |
|           | QPSK     | 3840.00         | -2.40           | 1 / 64         | 23.45                 | 21.05      | 0.127        | 30.00            | -8.95       |
|           |          | 3954.99         | -2.40           | 1 / 64         | 23.49                 | 21.09      | 0.129        | 30.00            | -8.91       |
|           |          | 3725.01         | -2.40           | 1 / 64         | 22.52                 | 20.12      | 0.103        | 30.00            | -9.88       |
|           | 16-QAM   | 3725.01         | -2.40           | 1 / 64         | 21.49                 | 19.09      | 0.081        | 30.00            | -10.91      |
|           | 64-QAM   | 3840.00         | -2.40           | 1 / 64         | 18.62                 | 16.22      | 0.042        | 30.00            | -13.78      |
|           | 256-QAM  | 3840.00         | -2.40           | 1 / 64         | 18.62                 | 16.22      | 0.042        | 30.00            | -13.78      |
|           | 60 MHz   | π/2 BPSK        | 3730.02         | -2.40          | 1 / 160               | 23.43      | 21.03        | 0.127            | 30.00       |
| 3840.00   |          |                 | -2.40           | 1 / 81         | 23.20                 | 20.80      | 0.120        | 30.00            | -9.20       |
| 3949.98   |          |                 | -2.40           | 1 / 81         | 23.31                 | 20.91      | 0.123        | 30.00            | -9.09       |
| QPSK      |          | 3730.02         | -2.40           | 1 / 160        | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
|           |          | 3840.00         | -2.40           | 1 / 160        | 23.49                 | 21.09      | 0.129        | 30.00            | -8.91       |
|           |          | 3949.98         | -2.40           | 1 / 160        | 23.20                 | 20.80      | 0.120        | 30.00            | -9.20       |
| 16-QAM    |          | 3730.02         | -2.40           | 1 / 1          | 22.32                 | 19.92      | 0.098        | 30.00            | -10.08      |
| 64-QAM    |          | 3949.98         | -2.40           | 1 / 160        | 21.46                 | 19.06      | 0.081        | 30.00            | -10.94      |
| 256-QAM   |          | 3949.98         | -2.40           | 1 / 1          | 18.49                 | 16.09      | 0.041        | 30.00            | -13.91      |
| 70 MHz    |          | π/2 BPSK        | 3735.00         | -2.40          | 1 / 90                | 23.31      | 20.91        | 0.123            | 30.00       |
|           | 3840.00  |                 | -2.40           | 1 / 1          | 23.37                 | 20.97      | 0.125        | 30.00            | -9.03       |
|           | 3945.00  |                 | -2.40           | 1 / 1          | 23.45                 | 21.05      | 0.127        | 30.00            | -8.95       |
|           | QPSK     | 3735.00         | -2.40           | 1 / 90         | 23.40                 | 21.00      | 0.126        | 30.00            | -9.00       |
|           |          | 3840.00         | -2.40           | 1 / 1          | 23.26                 | 20.86      | 0.122        | 30.00            | -9.14       |
|           |          | 3945.00         | -2.40           | 1 / 187        | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
|           | 16-QAM   | 3945.00         | -2.40           | 1 / 1          | 22.51                 | 20.11      | 0.103        | 30.00            | -9.89       |
|           | 64-QAM   | 3735.00         | -2.40           | 1 / 1          | 21.50                 | 19.10      | 0.081        | 30.00            | -10.90      |
|           | 256-QAM  | 3735.00         | -2.40           | 1 / 1          | 18.52                 | 16.12      | 0.041        | 30.00            | -13.88      |
|           | 80 MHz   | π/2 BPSK        | 3740.01         | -2.40          | 1 / 215               | 23.40      | 21.00        | 0.126            | 30.00       |
| 3840.00   |          |                 | -2.40           | 1 / 1          | 23.44                 | 21.04      | 0.127        | 30.00            | -8.96       |
| 3939.99   |          |                 | -2.40           | 1 / 1          | 23.45                 | 21.05      | 0.127        | 30.00            | -8.95       |
| QPSK      |          | 3740.01         | -2.40           | 1 / 108        | 23.48                 | 21.08      | 0.128        | 30.00            | -8.92       |
|           |          | 3840.00         | -2.40           | 1 / 108        | 23.31                 | 20.91      | 0.123        | 30.00            | -9.09       |
|           |          | 3939.99         | -2.40           | 1 / 1          | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
| 16-QAM    |          | 3740.01         | -2.40           | 1 / 215        | 22.51                 | 20.11      | 0.103        | 30.00            | -9.89       |
| 64-QAM    |          | 3840.00         | -2.40           | 1 / 1          | 21.36                 | 18.96      | 0.079        | 30.00            | -11.04      |
| 256-QAM   |          | 3939.99         | -2.40           | 1 / 1          | 18.58                 | 16.18      | 0.041        | 30.00            | -13.82      |
| 90 MHz    |          | π/2 BPSK        | 3745.02         | -2.40          | 1 / 120               | 23.50      | 21.10        | 0.129            | 30.00       |
|           | 3840.00  |                 | -2.40           | 1 / 120        | 23.25                 | 20.85      | 0.122        | 30.00            | -9.15       |
|           | 3934.98  |                 | -2.40           | 1 / 1          | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
|           | QPSK     | 3745.02         | -2.40           | 1 / 1          | 23.42                 | 21.02      | 0.126        | 30.00            | -8.98       |
|           |          | 3840.00         | -2.40           | 1 / 243        | 23.43                 | 21.03      | 0.127        | 30.00            | -8.97       |
|           |          | 3934.98         | -2.40           | 1 / 243        | 23.39                 | 20.99      | 0.126        | 30.00            | -9.01       |
|           | 16-QAM   | 3934.98         | -2.40           | 1 / 243        | 22.33                 | 19.93      | 0.098        | 30.00            | -10.07      |
|           | 64-QAM   | 3840.00         | -2.40           | 1 / 120        | 21.51                 | 19.11      | 0.081        | 30.00            | -10.89      |
|           | 256-QAM  | 3745.02         | -2.40           | 1 / 243        | 18.58                 | 16.18      | 0.041        | 30.00            | -13.82      |
|           | 100 MHz  | π/2 BPSK        | 3750.00         | -2.40          | 1 / 1                 | 23.18      | 20.78        | 0.120            | 30.00       |
| 3840.00   |          |                 | -2.40           | 1 / 135        | 23.50                 | 21.10      | 0.129        | 30.00            | -8.90       |
| 3930.00   |          |                 | -2.40           | 1 / 271        | 23.33                 | 20.93      | 0.124        | 30.00            | -9.07       |
| QPSK      |          | 3750.00         | -2.40           | 1 / 1          | 23.41                 | 21.01      | 0.126        | 30.00            | -8.99       |
|           |          | 3840.00         | -2.40           | 1 / 1          | 23.30                 | 20.90      | 0.123        | 30.00            | -9.10       |
|           |          | 3930.00         | -2.40           | 1 / 135        | 23.34                 | 20.94      | 0.124        | 30.00            | -9.06       |
| 16-QAM    |          | 3930.00         | -2.40           | 1 / 1          | 22.46                 | 20.06      | 0.101        | 30.00            | -9.94       |
| 64-QAM    |          | 3840.00         | -2.40           | 1 / 135        | 21.53                 | 19.13      | 0.082        | 30.00            | -10.87      |
| 256-QAM   | 3930.00  | -2.40           | 1 / 1           | 18.51          | 16.11                 | 0.041      | 30.00        | -13.89           |             |

| Bandwidth | Mod.     | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 10 MHz    | π/2 BPSK | 3705.00         | -2.40           | 1 / 12         | 23.45                 | <b>21.05</b> | 0.127        | 30.00            | -8.95       |
|           |          | 3840.00         | -2.40           | 1 / 12         | 23.41                 | 21.01        | 0.126        | 30.00            | -8.99       |
|           |          | 3975.00         | -2.40           | 1 / 1          | 23.35                 | 20.95        | 0.124        | 30.00            | -9.05       |
|           | QPSK     | 3705.00         | -2.40           | 1 / 22         | 23.46                 | 21.06        | 0.128        | 30.00            | -8.94       |
|           |          | 3840.00         | -2.40           | 1 / 22         | 23.45                 | 21.05        | 0.127        | 30.00            | -8.95       |
|           |          | 3975.00         | -2.40           | 1 / 1          | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           | 16-QAM   | 3705.00         | -2.40           | 1 / 1          | 22.49                 | 20.09        | 0.102        | 30.00            | -9.91       |
|           | 64-QAM   | 3975.00         | -2.40           | 1 / 1          | 21.43                 | 19.03        | 0.080        | 30.00            | -10.97      |
|           | 256-QAM  | 3975.00         | -2.40           | 1 / 22         | 18.46                 | 16.06        | 0.040        | 30.00            | -13.94      |
|           | 256-QAM  | 3975.00         | -2.40           | 1 / 22         | 18.46                 | 16.06        | 0.040        | 30.00            | -13.94      |
| 15 MHz    | π/2 BPSK | 3707.51         | -2.40           | 1 / 36         | 23.37                 | 20.97        | 0.125        | 30.00            | -9.03       |
|           |          | 3840.00         | -2.40           | 1 / 1          | 23.47                 | 21.07        | 0.128        | 30.00            | -8.93       |
|           |          | 3972.50         | -2.40           | 1 / 1          | 23.48                 | 21.08        | 0.128        | 30.00            | -8.92       |
|           | QPSK     | 3707.51         | -2.40           | 1 / 1          | 23.44                 | 21.04        | 0.127        | 30.00            | -8.96       |
|           |          | 3840.00         | -2.40           | 1 / 36         | 23.31                 | 20.91        | 0.123        | 30.00            | -9.09       |
|           |          | 3972.50         | -2.40           | 1 / 1          | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           | 16-QAM   | 3707.51         | -2.40           | 1 / 18         | 22.47                 | 20.07        | 0.102        | 30.00            | -9.93       |
|           | 64-QAM   | 3707.51         | -2.40           | 1 / 18         | 21.44                 | 19.04        | 0.080        | 30.00            | -10.96      |
|           | 256-QAM  | 3972.50         | -2.40           | 1 / 18         | 18.41                 | 16.01        | 0.040        | 30.00            | -13.99      |
|           | 256-QAM  | 3972.50         | -2.40           | 1 / 18         | 18.41                 | 16.01        | 0.040        | 30.00            | -13.99      |
| 20 MHz    | π/2 BPSK | 3710.01         | -2.40           | 1 / 1          | 23.48                 | 21.08        | 0.128        | 30.00            | -8.92       |
|           |          | 3840.00         | -2.40           | 1 / 25         | 23.42                 | 21.02        | 0.126        | 30.00            | -8.98       |
|           |          | 3969.99         | -2.40           | 1 / 1          | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           | QPSK     | 3710.01         | -2.40           | 1 / 1          | 23.45                 | 21.05        | 0.127        | 30.00            | -8.95       |
|           |          | 3840.00         | -2.40           | 1 / 49         | 23.24                 | 20.84        | 0.121        | 30.00            | -9.16       |
|           |          | 3969.99         | -2.40           | 1 / 1          | 23.27                 | 20.87        | 0.122        | 30.00            | -9.13       |
|           | 16-QAM   | 3710.01         | -2.40           | 1 / 49         | 22.50                 | 20.10        | 0.102        | 30.00            | -9.90       |
|           | 64-QAM   | 3969.99         | -2.40           | 1 / 49         | 21.61                 | 19.21        | 0.083        | 30.00            | -10.79      |
|           | 256-QAM  | 3840.00         | -2.40           | 1 / 49         | 18.64                 | 16.24        | 0.042        | 30.00            | -13.76      |
|           | 256-QAM  | 3840.00         | -2.40           | 1 / 49         | 18.64                 | 16.24        | 0.042        | 30.00            | -13.76      |
| 30 MHz    | π/2 BPSK | 3715.02         | -2.40           | 1 / 1          | 23.41                 | 21.01        | 0.126        | 30.00            | -8.99       |
|           |          | 3840.00         | -2.40           | 1 / 1          | 23.35                 | 20.95        | 0.124        | 30.00            | -9.05       |
|           |          | 3964.98         | -2.40           | 1 / 76         | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           | QPSK     | 3715.02         | -2.40           | 1 / 76         | 23.43                 | 21.03        | 0.127        | 30.00            | -8.97       |
|           |          | 3840.00         | -2.40           | 1 / 36         | 23.49                 | 21.09        | 0.129        | 30.00            | -8.91       |
|           |          | 3964.98         | -2.40           | 1 / 76         | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           | 16-QAM   | 3964.98         | -2.40           | 1 / 76         | 22.54                 | 20.14        | 0.103        | 30.00            | -9.86       |
|           | 64-QAM   | 3840.00         | -2.40           | 1 / 1          | 21.44                 | 19.04        | 0.080        | 30.00            | -10.96      |
|           | 256-QAM  | 3964.98         | -2.40           | 1 / 36         | 18.64                 | 16.24        | 0.042        | 30.00            | -13.76      |
|           | 256-QAM  | 3964.98         | -2.40           | 1 / 36         | 18.64                 | 16.24        | 0.042        | 30.00            | -13.76      |
| 40 MHz    | π/2 BPSK | 3720.00         | -2.40           | 1 / 1          | 23.06                 | 20.66        | 0.116        | 30.00            | -9.34       |
|           |          | 3840.00         | -2.40           | 1 / 1          | 23.39                 | 20.99        | 0.126        | 30.00            | -9.01       |
|           |          | 3960.00         | -2.40           | 1 / 104        | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           | QPSK     | 3720.00         | -2.40           | 1 / 104        | 23.45                 | 21.05        | 0.127        | 30.00            | -8.95       |
|           |          | 3840.00         | -2.40           | 1 / 1          | 23.23                 | 20.83        | 0.121        | 30.00            | -9.17       |
|           |          | 3960.00         | -2.40           | 1 / 50         | 23.23                 | 20.83        | 0.121        | 30.00            | -9.17       |
|           | 16-QAM   | 3720.00         | -2.40           | 1 / 1          | 22.42                 | 20.02        | 0.100        | 30.00            | -9.98       |
|           | 64-QAM   | 3840.00         | -2.40           | 1 / 1          | 21.45                 | 19.05        | 0.080        | 30.00            | -10.95      |
|           | 256-QAM  | 3720.00         | -2.40           | 1 / 104        | 18.58                 | 16.18        | 0.041        | 30.00            | -13.82      |
|           | 256-QAM  | 3720.00         | -2.40           | 1 / 104        | 18.58                 | 16.18        | 0.041        | 30.00            | -13.82      |
| 50 MHz    | π/2 BPSK | 3725.01         | -2.40           | 1 / 64         | 23.47                 | 21.07        | 0.128        | 30.00            | -8.93       |
|           |          | 3840.00         | -2.40           | 1 / 131        | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           |          | 3954.99         | -2.40           | 1 / 1          | 23.40                 | 21.00        | 0.126        | 30.00            | -9.00       |
|           | QPSK     | 3725.01         | -2.40           | 1 / 1          | 23.39                 | 20.99        | 0.126        | 30.00            | -9.01       |
|           |          | 3840.00         | -2.40           | 1 / 64         | 23.37                 | 20.97        | 0.125        | 30.00            | -9.03       |
|           |          | 3954.99         | -2.40           | 1 / 64         | 23.46                 | 21.06        | 0.128        | 30.00            | -8.94       |
|           | 16-QAM   | 3725.01         | -2.40           | 1 / 64         | 22.50                 | 20.10        | 0.102        | 30.00            | -9.90       |
|           | 64-QAM   | 3725.01         | -2.40           | 1 / 1          | 21.45                 | 19.05        | 0.080        | 30.00            | -10.95      |
|           | 256-QAM  | 3725.01         | -2.40           | 1 / 131        | 18.57                 | 16.17        | 0.041        | 30.00            | -13.83      |
|           | 256-QAM  | 3725.01         | -2.40           | 1 / 131        | 18.57                 | 16.17        | 0.041        | 30.00            | -13.83      |
| 60 MHz    | π/2 BPSK | 3730.02         | -2.40           | 1 / 160        | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           |          | 3840.00         | -2.40           | 1 / 160        | 23.35                 | 20.95        | 0.124        | 30.00            | -9.05       |
|           |          | 3949.98         | -2.40           | 1 / 160        | 23.31                 | 20.91        | 0.123        | 30.00            | -9.09       |
|           | QPSK     | 3730.02         | -2.40           | 1 / 1          | 23.34                 | 20.94        | 0.124        | 30.00            | -9.06       |
|           |          | 3840.00         | -2.40           | 1 / 1          | 23.43                 | 21.03        | 0.127        | 30.00            | -8.97       |
|           |          | 3949.98         | -2.40           | 1 / 1          | 23.34                 | 20.94        | 0.124        | 30.00            | -9.06       |
|           | 16-QAM   | 3949.98         | -2.40           | 1 / 1          | 22.49                 | 20.09        | 0.102        | 30.00            | -9.91       |
|           | 64-QAM   | 3949.98         | -2.40           | 1 / 81         | 21.48                 | 19.08        | 0.081        | 30.00            | -10.92      |
|           | 256-QAM  | 3840.00         | -2.40           | 1 / 160        | 18.55                 | 16.15        | 0.041        | 30.00            | -13.85      |
|           | 256-QAM  | 3840.00         | -2.40           | 1 / 160        | 18.55                 | 16.15        | 0.041        | 30.00            | -13.85      |
| 70 MHz    | π/2 BPSK | 3735.00         | -2.40           | 1 / 90         | 23.22                 | 20.82        | 0.121        | 30.00            | -9.18       |
|           |          | 3840.00         | -2.40           | 1 / 90         | 23.32                 | 20.92        | 0.124        | 30.00            | -9.08       |
|           |          | 3945.00         | -2.40           | 1 / 187        | 23.40                 | 21.00        | 0.126        | 30.00            | -9.00       |
|           | QPSK     | 3735.00         | -2.40           | 1 / 1          | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           |          | 3840.00         | -2.40           | 1 / 90         | 23.15                 | 20.75        | 0.119        | 30.00            | -9.25       |
|           |          | 3945.00         | -2.40           | 1 / 90         | 23.45                 | 21.05        | 0.127        | 30.00            | -8.95       |
|           | 16-QAM   | 3840.00         | -2.40           | 1 / 90         | 22.53                 | 20.13        | 0.103        | 30.00            | -9.87       |
|           | 64-QAM   | 3840.00         | -2.40           | 1 / 1          | 21.40                 | 19.00        | 0.079        | 30.00            | -11.00      |
|           | 256-QAM  | 3945.00         | -2.40           | 1 / 1          | 18.55                 | 16.15        | 0.041        | 30.00            | -13.85      |
|           | 256-QAM  | 3945.00         | -2.40           | 1 / 1          | 18.55                 | 16.15        | 0.041        | 30.00            | -13.85      |
| 80 MHz    | π/2 BPSK | 3740.01         | -2.40           | 1 / 108        | 23.41                 | 21.01        | 0.126        | 30.00            | -8.99       |
|           |          | 3840.00         | -2.40           | 1 / 108        | 23.37                 | 20.97        | 0.125        | 30.00            | -9.03       |
|           |          | 3939.99         | -2.40           | 1 / 1          | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           | QPSK     | 3740.01         | -2.40           | 1 / 215        | 23.47                 | 21.07        | 0.128        | 30.00            | -8.93       |
|           |          | 3840.00         | -2.40           | 1 / 108        | 23.34                 | 20.94        | 0.124        | 30.00            | -9.06       |
|           |          | 3939.99         | -2.40           | 1 / 1          | 23.43                 | 21.03        | 0.127        | 30.00            | -8.97       |
|           | 16-QAM   | 3740.01         | -2.40           | 1 / 108        | 22.51                 | 20.11        | 0.103        | 30.00            | -9.89       |
|           | 64-QAM   | 3840.00         | -2.40           | 1 / 1          | 21.50                 | 19.10        | 0.081        | 30.00            | -10.90      |
|           | 256-QAM  | 3740.01         | -2.40           | 1 / 215        | 18.58                 | 16.18        | 0.041        | 30.00            | -13.82      |
|           | 256-QAM  | 3740.01         | -2.40           | 1 / 215        | 18.58                 | 16.18        | 0.041        | 30.00            | -13.82      |
| 90 MHz    | π/2 BPSK | 3745.02         | -2.40           | 1 / 120        | 23.20                 | 20.80        | 0.120        | 30.00            | -9.20       |
|           |          | 3840.00         | -2.40           | 1 / 1          | 23.49                 | 21.09        | 0.129        | 30.00            | -8.91       |
|           |          | 3934.98         | -2.40           | 1 / 120        | 23.41                 | 21.01        | 0.126        | 30.00            | -8.99       |
|           | QPSK     | 3745.02         | -2.40           | 1 / 120        | 23.49                 | 21.09        | 0.129        | 30.00            | -8.91       |
|           |          | 3840.00         | -2.40           | 1 / 1          | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           |          | 3934.98         | -2.40           | 1 / 243        | 23.45                 | 21.05        | 0.127        | 30.00            | -8.95       |
|           | 16-QAM   | 3934.98         | -2.40           | 1 / 243        | 22.51                 | 20.11        | 0.103        | 30.00            | -9.89       |
|           | 64-QAM   | 3745.02         | -2.40           | 1 / 1          | 21.54                 | 19.14        | 0.082        | 30.00            | -10.86      |
|           | 256-QAM  | 3840.00         | -2.40           | 1 / 1          | 18.65                 | 16.25        | 0.042        | 30.00            | -13.75      |
|           | 256-QAM  | 3840.00         | -2.40           | 1 / 1          | 18.65                 | 16.25        | 0.042        | 30.00            | -13.75      |
| 100 MHz   | π/2 BPSK | 3750.00         | -2.40           | 1 / 135        | 23.40                 | 21.00        | 0.126        | 30.00            | -9.00       |
|           |          | 3840.00         | -2.40           | 1 / 271        | 23.48                 | 21.08        | 0.128        | 30.00            | -8.92       |
|           |          | 3930.00         | -2.40           | 1 / 1          | 23.50                 | <b>21.10</b> | 0.129        | 30.00            | -8.90       |
|           | QPSK     | 3750.00         | -2.40           | 1 / 1          | 23.46                 | 21.06        | 0.128        | 30.00            | -8.94       |
|           |          | 3840.00         | -2.40           | 1 / 271        | 23.48                 | 21.08        | 0.128        | 30.00            | -8.92       |
|           |          | 3930.00         | -2.40           | 1 / 271        | 23.08                 | 20.68        | 0.117        | 30.00            | -9.32       |
|           | 16-QAM   | 3930.00         | -2.40           | 1 / 135        | 22.50                 | 20.10        | 0.102        | 30.00            | -9.90       |
|           | 64-QAM   | 3750.00         | -2.40           | 1 / 135        | 21.46                 | 19.06        | 0.081        | 30.00            | -10.94      |
|           | 256-QAM  | 3840.00         | -2.40           | 1 / 271        | 18.57                 | 16.17        | 0.041        | 30.00            | -13.83      |
|           | 256-QAM  | 3840.00         | -2.40           | 1 / 271        | 18.57                 | 16.17        | 0.041        | 30.00            | -13.83      |

Table 7-17. Antenna 1a EIRP Data (NR Band n77 (PC3) – C Band)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 248 of 265                   |

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## 7.7 Radiated Spurious Emissions Measurements

§2.1053, §27.53(l), §27.53(n)

### Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized broadband hybrid antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed while the EUT is operating at maximum power and at the appropriate frequencies.

### Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

### Test Settings

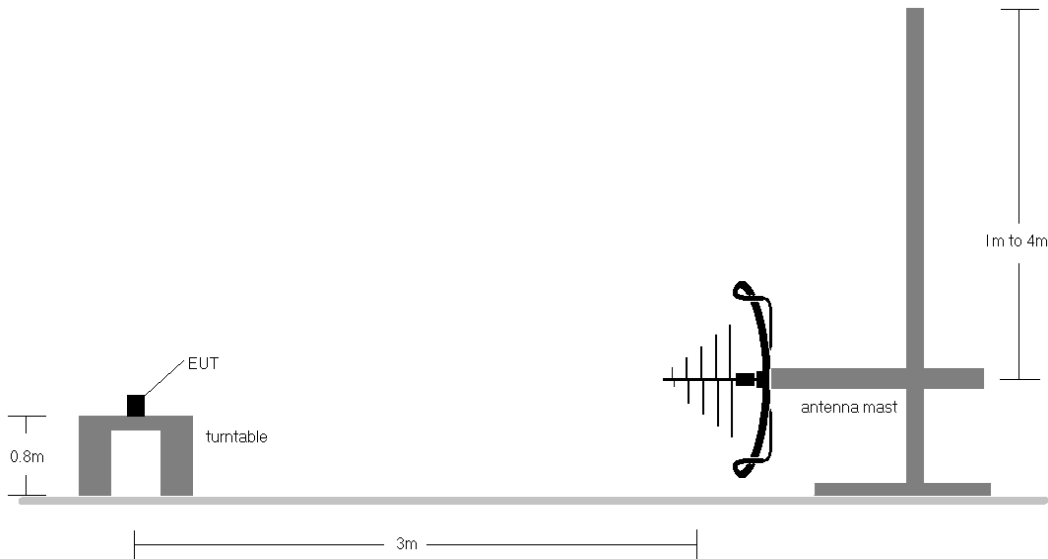
1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW  $\geq 3 \times$  RBW
3. Span = 1.5 times the OBW
4. No. of sweep points  $\geq 2 \times$  span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 249 of 265                   |

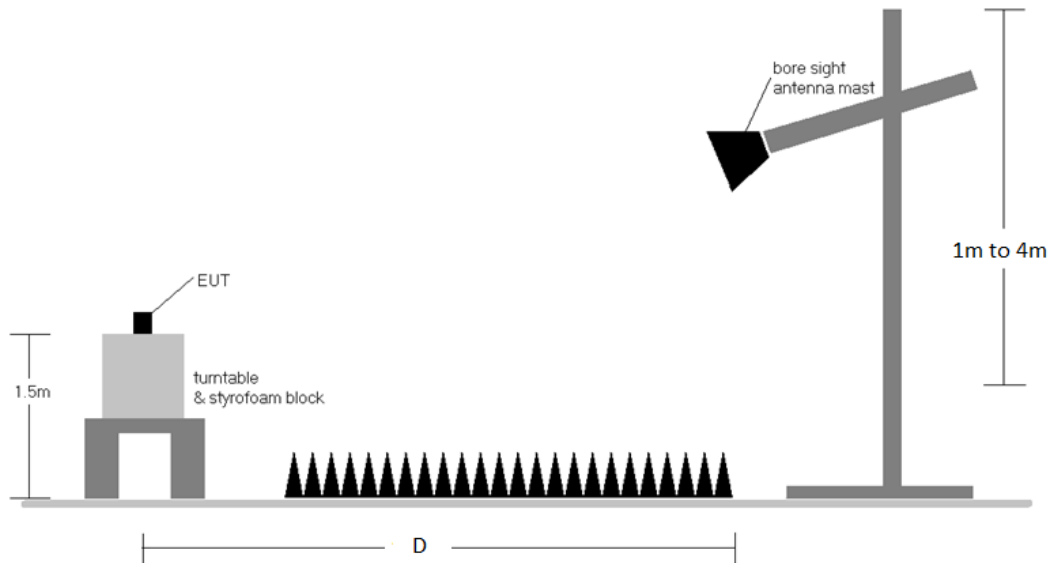
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**Test Setup**

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



**Figure 7-11. Test Instrument & Measurement Setup < 1GHz**



**Figure 7-12. Test Instrument & Measurement Setup >1 GHz**

|                                            |                                                                                                                       |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  <b>PART 27 MEASUREMENT REPORT</b> | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                                  | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                       | Page 250 of 265                   |

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## Test Notes

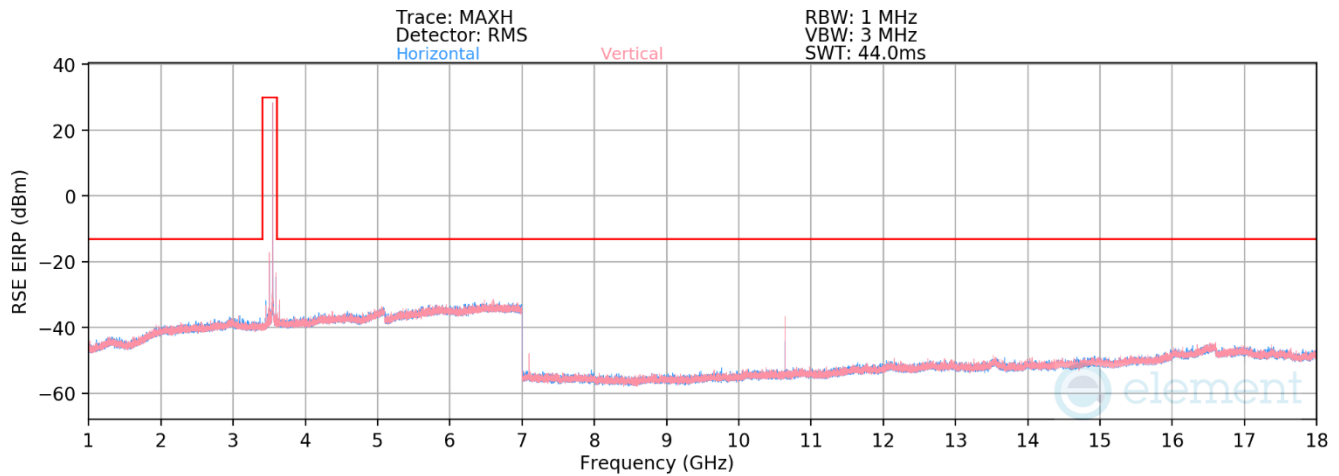
1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 D01 v03r01 Section 5.8.4.
  - a.  $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
  - b.  $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$ ; where D is the measurement distance in meters.
2. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. No significant emissions were found for below 1GHz.
6. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
8. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
9. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 251 of 265                   |

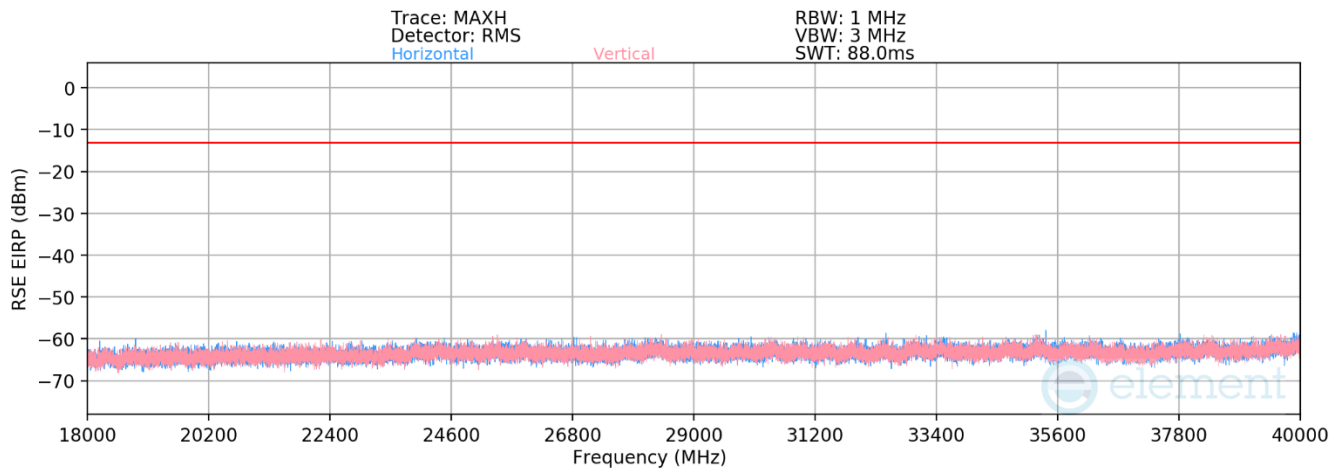
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## 7.7.1 Antenna 3b Radiated Spurious Emission Measurements

### NR Band n77 DoD Band



Plot 7-415. Antenna 3b Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 DoD Band)



Plot 7-416. Antenna 3b Radiated Spurious Emission above 18GHz (NR Band n77 DoD Band)

|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 252 of 265                   |

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|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 90      |
| Frequency (MHz): | 3495.0  |
| RB / Offset:     | 1 / 238 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 6990.0          | V               | 286                 | 139                        | -75.16               | 6.69        | 38.53                   | -56.73                                 | -13.00          | -43.73      |
| 10485.0         | V               | 242                 | 133                        | -65.74               | 8.24        | 49.50                   | -45.76                                 | -13.00          | -32.76      |
| 13980.0         | H               | -                   | -                          | -81.90               | 13.34       | 38.44                   | -56.82                                 | -13.00          | -43.82      |
| 17475.0         | V               | -                   | -                          | -83.69               | 17.78       | 41.09                   | -54.17                                 | -13.00          | -41.17      |

**Table 7-18. Antenna 3b Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3500.0  |
| RB / Offset:     | 1 / 268 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7000.0          | V               | 300                 | 127                        | -72.72               | 6.71        | 40.99                   | -54.27                                 | -13.00          | -41.27      |
| 10500.0         | V               | 229                 | 131                        | -65.30               | 8.22        | 49.92                   | -45.34                                 | -13.00          | -32.34      |
| 14000.0         | H               | -                   | -                          | -82.14               | 13.56       | 38.42                   | -56.84                                 | -13.00          | -43.84      |
| 17500.0         | V               | -                   | -                          | -83.67               | 17.59       | 40.91                   | -54.34                                 | -13.00          | -41.34      |

**Table 7-19. Antenna 3b Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)**

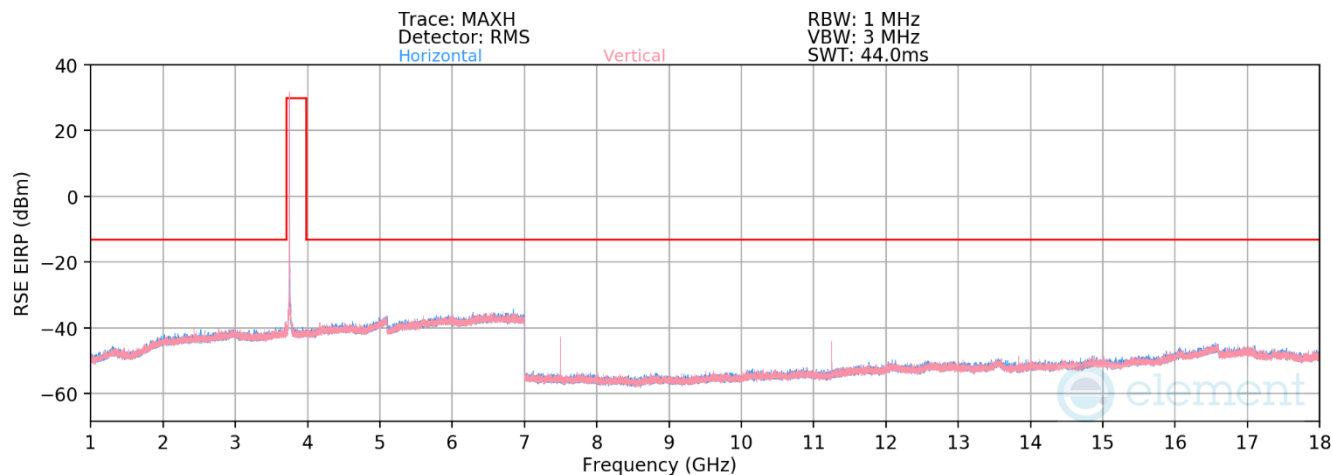
|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 90      |
| Frequency (MHz): | 3505.0  |
| RB / Offset:     | 1 / 238 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7010.0          | V               | 289                 | 124                        | -71.12               | 6.71        | 42.59                   | -52.67                                 | -13.00          | -39.67      |
| 10515.0         | V               | 233                 | 134                        | -66.08               | 8.22        | 49.14                   | -46.12                                 | -13.00          | -33.12      |
| 14020.0         | V               | -                   | -                          | -82.17               | 13.56       | 38.38                   | -56.87                                 | -13.00          | -43.87      |
| 17525.0         | V               | -                   | -                          | -83.76               | 17.59       | 40.82                   | -54.43                                 | -13.00          | -41.43      |

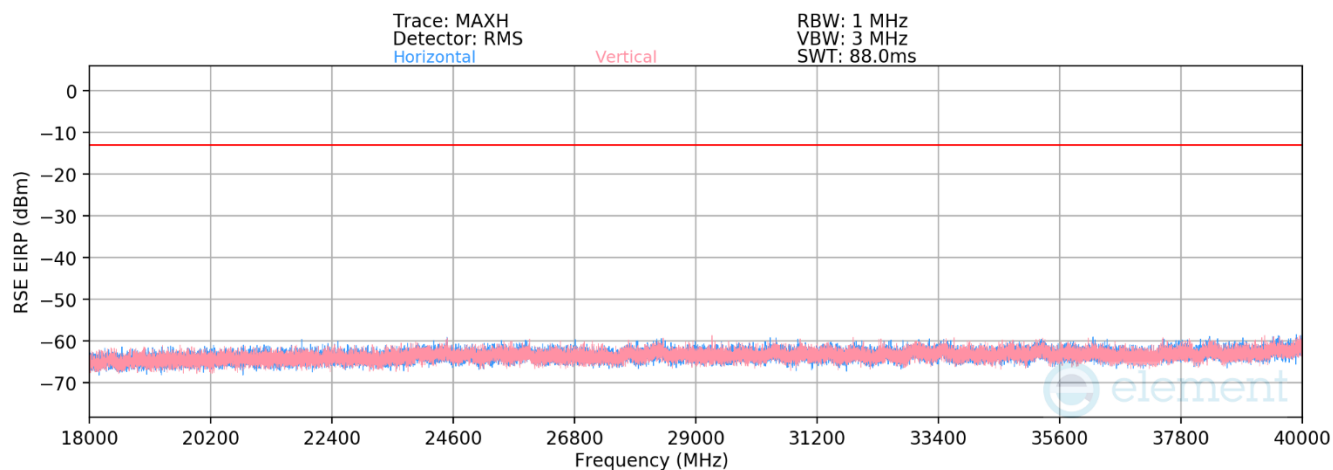
**Table 7-20. Antenna 3b Radiated Spurious Data (NR Band n77 DoD Band – High Channel)**

|                                            |                                                                                                                |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                           | EUT Type:<br>Tablet Device        |
|                                            |                                                                                                                | Page 253 of 265                   |

## NR Band n77 C Band



**Plot 7-417. Antenna 3b Radiated Spurious Plot 1GHz – 18GHz (NR Band n77 C Band)**



**Plot 7-418. Antenna 3b Radiated Spurious Emission above 18GHz (NR Band n77 C Band)**

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 254 of 265                   |

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|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3750.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7500.0          | V               | 295                 | 136                        | -63.16               | 6.61        | 50.45                   | -44.81                                 | -13.00          | -31.81      |
| 11250.0         | V               | 253                 | 112                        | -69.28               | 9.05        | 46.77                   | -48.49                                 | -13.00          | -35.49      |
| 15000.0         | H               | -                   | -                          | -83.43               | 15.17       | 38.74                   | -56.51                                 | -13.00          | -43.51      |

**Table 7-21. Antenna 3b Radiated Spurious Data (NR Band n77 C Band – Low Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3840.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7680.0          | V               | 291                 | 140                        | -63.20               | 5.90        | 49.70                   | -45.56                                 | -13.00          | -32.56      |
| 11520.0         | V               | 248                 | 225                        | -69.68               | 10.19       | 47.51                   | -47.75                                 | -13.00          | -34.75      |
| 15360.0         | H               | -                   | -                          | -83.35               | 15.43       | 39.08                   | -56.18                                 | -13.00          | -43.18      |

**Table 7-22. Antenna 3b Radiated Spurious Data (NR Band n77 C Band – Mid Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3930.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7860.0          | V               | 304                 | 124                        | -70.14               | 5.94        | 42.80                   | -52.46                                 | -13.00          | -39.46      |
| 11790.0         | V               | 231                 | 146                        | -70.71               | 10.71       | 46.99                   | -48.26                                 | -13.00          | -35.26      |
| 15720.0         | V               | -                   | -                          | -83.51               | 16.16       | 39.66                   | -55.60                                 | -13.00          | -42.60      |

**Table 7-23. Antenna 3b Radiated Spurious Data (NR Band n77 C Band – High Channel)**

|                                            |                                                                                                                       |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  <b>PART 27 MEASUREMENT REPORT</b> | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                                  | EUT Type:<br>Tablet Device        |
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## 7.7.2 Antenna 2a Radiated Spurious Emission Measurements

### NR Band n77 DoD Band

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 90      |
| Frequency (MHz): | 3495.0  |
| RB / Offset:     | 1 / 238 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 6990.0          | V               | -                   | -                          | -79.92               | 11.79       | 38.87                   | -56.39                                 | -13.00          | -43.39      |
| 10485.0         | V               | -                   | -                          | -82.76               | 16.66       | 40.90                   | -54.36                                 | -13.00          | -41.36      |
| 13980.0         | V               | -                   | -                          | -82.51               | 19.52       | 44.01                   | -51.25                                 | -13.00          | -38.25      |

Table 7-24. Antenna 2a Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3500.0  |
| RB / Offset:     | 1 / 268 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7000.0          | V               | -                   | -                          | -80.14               | 11.72       | 38.57                   | -56.68                                 | -13.00          | -43.68      |
| 10500.0         | V               | -                   | -                          | -82.61               | 16.55       | 40.94                   | -54.32                                 | -13.00          | -41.32      |
| 14000.0         | H               | -                   | -                          | -82.72               | 19.65       | 43.93                   | -51.33                                 | -13.00          | -38.33      |

Table 7-25. Antenna 2a Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 90      |
| Frequency (MHz): | 3505.0  |
| RB / Offset:     | 1 / 238 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7010.0          | V               | -                   | -                          | -80.53               | 11.97       | 38.45                   | -56.81                                 | -13.00          | -43.81      |
| 10515.0         | V               | -                   | -                          | -82.59               | 16.55       | 40.96                   | -54.30                                 | -13.00          | -41.30      |
| 14020.0         | V               | -                   | -                          | -83.28               | 20.32       | 44.04                   | -51.22                                 | -13.00          | -38.22      |

Table 7-26. Antenna 2a Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 256 of 265                   |

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## NR Band n77 C Band

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3750.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7500.0          | H               | -                   | -                          | -80.73               | 12.14       | 38.41                   | -56.85                                 | -13.00          | -43.85      |
| 11250.0         | V               | -                   | -                          | -83.43               | 18.23       | 41.80                   | -53.46                                 | -13.00          | -40.46      |
| 15000.0         | V               | -                   | -                          | -82.49               | 22.43       | 46.94                   | -48.31                                 | -13.00          | -35.31      |

**Table 7-27. Antenna 2a Radiated Spurious Data (NR Band n77 C Band – Low Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3840.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7680.0          | V               | -                   | -                          | -80.75               | 12.22       | 38.47                   | -56.79                                 | -13.00          | -43.79      |
| 11520.0         | V               | -                   | -                          | -82.89               | 17.85       | 41.96                   | -53.30                                 | -13.00          | -40.30      |
| 15360.0         | H               | -                   | -                          | -82.96               | 22.67       | 46.71                   | -48.55                                 | -13.00          | -35.55      |

**Table 7-28. Antenna 2a Radiated Spurious Data (NR Band n77 C Band – Mid Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3930.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7860.0          | H               | -                   | -                          | -77.95               | 5.81        | 34.86                   | -60.40                                 | -13.00          | -47.40      |
| 11790.0         | H               | -                   | -                          | -80.45               | 10.85       | 37.40                   | -57.86                                 | -13.00          | -44.86      |
| 15720.0         | H               | -                   | -                          | -83.45               | 16.36       | 39.91                   | -55.35                                 | -13.00          | -42.35      |

**Table 7-29. Antenna 2a Radiated Spurious Data (NR Band n77 C Band – High Channel)**

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 257 of 265                   |

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## 7.7.3 Antenna 4 Radiated Spurious Emission Measurements

### NR Band n77 DoD Band

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 90      |
| Frequency (MHz): | 3495.0  |
| RB / Offset:     | 1 / 238 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 6990.0          | H               | -                   | -                          | -80.47               | 11.70       | 38.23                   | -57.03                                 | -13.00          | -44.03      |
| 10485.0         | H               | -                   | -                          | -82.95               | 16.66       | 40.71                   | -54.55                                 | -13.00          | -41.55      |
| 13980.0         | H               | -                   | -                          | -82.87               | 19.81       | 43.95                   | -51.31                                 | -13.00          | -38.31      |

Table 7-30. Antenna 4 Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3500.0  |
| RB / Offset:     | 1 / 268 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7000.0          | V               | -                   | -                          | -80.38               | 11.72       | 38.34                   | -56.92                                 | -13.00          | -43.92      |
| 10500.0         | H               | -                   | -                          | -82.73               | 16.55       | 40.82                   | -54.43                                 | -13.00          | -41.43      |
| 14000.0         | V               | -                   | -                          | -82.92               | 19.65       | 43.73                   | -51.53                                 | -13.00          | -38.53      |

Table 7-31. Antenna 4 Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 90      |
| Frequency (MHz): | 3505.0  |
| RB / Offset:     | 1 / 238 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7010.0          | H               | -                   | -                          | -80.22               | 11.97       | 38.75                   | -56.51                                 | -13.00          | -43.51      |
| 10515.0         | V               | -                   | -                          | -82.63               | 16.55       | 40.92                   | -54.34                                 | -13.00          | -41.34      |
| 14020.0         | V               | -                   | -                          | -83.25               | 20.32       | 44.06                   | -51.19                                 | -13.00          | -38.19      |

Table 7-32. Antenna 4 Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 258 of 265                   |

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## NR Band n77 C Band

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3750.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7500.0          | V               | -                   | -                          | -80.69               | 12.14       | 38.45                   | -56.81                                 | -13.00          | -43.81      |
| 11250.0         | H               | -                   | -                          | -83.44               | 18.23       | 41.79                   | -53.46                                 | -13.00          | -40.46      |
| 15000.0         | H               | -                   | -                          | -82.29               | 22.35       | 47.06                   | -48.20                                 | -13.00          | -35.20      |

**Table 7-33. Antenna 4 Radiated Spurious Data (NR Band n77 C Band – Low Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3840.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7680.0          | V               | -                   | -                          | -80.82               | 12.22       | 38.40                   | -56.86                                 | -13.00          | -43.86      |
| 11520.0         | V               | -                   | -                          | -82.89               | 17.85       | 41.96                   | -53.29                                 | -13.00          | -40.29      |
| 15360.0         | V               | -                   | -                          | -83.02               | 22.69       | 46.67                   | -48.58                                 | -13.00          | -35.58      |

**Table 7-34. Antenna 4 Radiated Spurious Data (NR Band n77 C Band – Mid Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3930.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7860.0          | V               | -                   | -                          | -80.10               | 11.86       | 38.77                   | -56.49                                 | -13.00          | -43.49      |
| 11790.0         | V               | -                   | -                          | -82.74               | 17.78       | 42.04                   | -53.22                                 | -13.00          | -40.22      |
| 15720.0         | V               | -                   | -                          | -83.22               | 23.96       | 47.74                   | -47.52                                 | -13.00          | -34.52      |

**Table 7-35. Antenna 4 Radiated Spurious Data (NR Band n77 C Band – High Channel)**

|                                            |                                                                                                                       |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  <b>PART 27 MEASUREMENT REPORT</b> | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                                  | EUT Type:<br>Tablet Device        |
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## 7.7.4 Antenna 1a Radiated Spurious Emission Measurements

### NR Band n77 DoD Band

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 90      |
| Frequency (MHz): | 3495.0  |
| RB / Offset:     | 1 / 238 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 6990.0          | V               | -                   | -                          | -79.63               | 9.93        | 37.31                   | -57.95                                 | -13.00          | -44.95      |
| 10485.0         | H               | -                   | -                          | -80.27               | 12.39       | 39.11                   | -56.14                                 | -13.00          | -43.14      |
| 13980.0         | H               | -                   | -                          | -80.83               | 15.40       | 41.57                   | -53.69                                 | -13.00          | -40.69      |

Table 7-36. Antenna 1a Radiated Spurious Data (NR Band n77 DoD Band – Low Channel)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3500.0  |
| RB / Offset:     | 1 / 268 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7000.0          | V               | -                   | -                          | -78.87               | 9.80        | 37.93                   | -57.33                                 | -13.00          | -44.33      |
| 10500.0         | V               | -                   | -                          | -79.94               | 12.24       | 39.30                   | -55.96                                 | -13.00          | -42.96      |
| 14000.0         | V               | -                   | -                          | -81.49               | 15.04       | 40.55                   | -54.71                                 | -13.00          | -41.71      |

Table 7-37. Antenna 1a Radiated Spurious Data (NR Band n77 DoD Band – Mid Channel)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 90      |
| Frequency (MHz): | 3505.0  |
| RB / Offset:     | 1 / 238 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7010.0          | V               | -                   | -                          | -78.94               | 10.06       | 38.12                   | -57.13                                 | -13.00          | -44.13      |
| 10515.0         | V               | -                   | -                          | -80.24               | 12.48       | 39.24                   | -56.02                                 | -13.00          | -43.02      |
| 14020.0         | V               | -                   | -                          | -81.23               | 14.78       | 40.55                   | -54.70                                 | -13.00          | -41.70      |

Table 7-38. Antenna 1a Radiated Spurious Data (NR Band n77 DoD Band – High Channel)

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
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## NR Band n77 C Band

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3750.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7500.0          | V               | -                   | -                          | -79.22               | 9.39        | 37.18                   | -58.08                                 | -13.00          | -45.08      |
| 11250.0         | V               | -                   | -                          | -80.27               | 12.50       | 39.24                   | -56.02                                 | -13.00          | -43.02      |
| 15000.0         | V               | -                   | -                          | -81.48               | 16.08       | 41.60                   | -53.66                                 | -13.00          | -40.66      |

**Table 7-39. Antenna 1a Radiated Spurious Data (NR Band n77 C Band – Low Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3840.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7680.0          | V               | -                   | -                          | -79.55               | 9.44        | 36.89                   | -58.37                                 | -13.00          | -45.37      |
| 11520.0         | V               | -                   | -                          | -80.32               | 13.06       | 39.75                   | -55.51                                 | -13.00          | -42.51      |
| 15360.0         | V               | -                   | -                          | -81.25               | 15.99       | 41.74                   | -53.51                                 | -13.00          | -40.51      |

**Table 7-40. Antenna 1a Radiated Spurious Data (NR Band n77 C Band – Mid Channel)**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 3930.0  |
| RB / Offset:     | 1 / 135 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm/MHz] | Limit [dBm/MHz] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------------------------------|-----------------|-------------|
| 7860.0          | V               | -                   | -                          | -79.87               | 9.23        | 36.36                   | -58.90                                 | -13.00          | -45.90      |
| 11790.0         | V               | -                   | -                          | -80.47               | 13.55       | 40.07                   | -55.18                                 | -13.00          | -42.18      |
| 15720.0         | V               | -                   | -                          | -81.24               | 16.80       | 42.56                   | -52.70                                 | -13.00          | -39.70      |

**Table 7-41. Antenna 1a Radiated Spurious Data (NR Band n77 C Band – High Channel)**

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 261 of 265                   |

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## 7.8 Frequency Stability / Temperature Variation

§2.1055, §27.54

### Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015 and TIA-603-E-2016. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

***For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.***

### Test Procedure Used

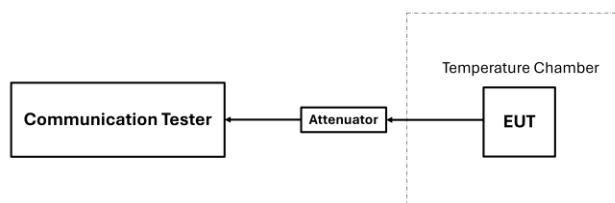
ANSI C63.26-2015

TIA-603-E-2016

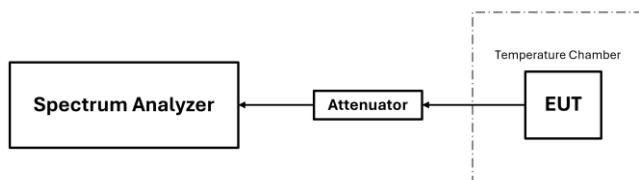
### Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

### Test Setup



**Figure 7-13. LTE Test Instrument & Measurement Setup**



**Figure 7-14. FR1 Test Instrument & Measurement Setup**

### Test Notes

1. All ports were tested and only the worst case data were reported.

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 262 of 265                   |

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## Frequency Stability / Temperature Variation

| NR Band n77 (3450-3550MHz)          |             |            |                      |                                        |
|-------------------------------------|-------------|------------|----------------------|----------------------------------------|
| Operating Band Lower Boundary (GHz) |             |            | 3.4500               |                                        |
| Ref. Voltage (VDC):                 |             |            | 3.80                 |                                        |
| Voltage (%)                         | Power (VDC) | Temp (°C)  | Measured Freq. (GHz) | Freq. Delta from Operating Range (GHz) |
| 100 %                               | 3.80        | - 30       | 3.45089888           | -0.00089888                            |
|                                     |             | - 20       | 3.45077323           | -0.00077323                            |
|                                     |             | - 10       | 3.45088693           | -0.00088693                            |
|                                     |             | 0          | 3.45025311           | -0.00025311                            |
|                                     |             | + 10       | 3.45046136           | -0.00046136                            |
|                                     |             | + 20 (Ref) | 3.45045796           | -0.00045796                            |
|                                     |             | + 30       | 3.45041687           | -0.00041687                            |
|                                     |             | + 40       | 3.45018667           | -0.00018667                            |
|                                     |             | + 50       | 3.45032663           | -0.00032663                            |
| Battery Endpoint                    | 3.40        | + 20       | 3.45000609           | -0.00000609                            |

Table 7-42. NR Band n77 DoD Band Lower Boundary Frequency Stability Data

| NR Band n77 (3450-3550MHz)          |             |            |                      |                                        |
|-------------------------------------|-------------|------------|----------------------|----------------------------------------|
| Operating Band Upper Boundary (GHz) |             |            | 3.5500               |                                        |
| Ref. Voltage (VDC):                 |             |            | 3.80                 |                                        |
| Voltage (%)                         | Power (VDC) | Temp (°C)  | Measured Freq. (GHz) | Freq. Delta from Operating Range (GHz) |
| 100 %                               | 3.80        | - 30       | 3.54914763           | -0.00085237                            |
|                                     |             | - 20       | 3.54927589           | -0.00072411                            |
|                                     |             | - 10       | 3.54904464           | -0.00095536                            |
|                                     |             | 0          | 3.54918982           | -0.00081018                            |
|                                     |             | + 10       | 3.54901880           | -0.00098120                            |
|                                     |             | + 20 (Ref) | 3.54967620           | -0.00032380                            |
|                                     |             | + 30       | 3.54925065           | -0.00074935                            |
|                                     |             | + 40       | 3.54986743           | -0.00013257                            |
|                                     |             | + 50       | 3.54976299           | -0.00023701                            |
| Battery Endpoint                    | 3.40        | + 20       | 3.54930482           | -0.00069518                            |

Table 7-43. NR Band n77 DoD Band Upper Boundary Frequency Stability Data

|                                            |                                                                                     |                            |  |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|--|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device |  | Page 263 of 265                   |

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## Frequency Stability / Temperature Variation

| NR Band n77 (3700-3980MHz) |             |                                     |                      |                                        |
|----------------------------|-------------|-------------------------------------|----------------------|----------------------------------------|
|                            |             | Operating Band Lower Boundary (GHz) |                      | 3.700                                  |
|                            |             | Ref. Voltage (VDC):                 |                      | 3.80                                   |
| Voltage (%)                | Power (VDC) | Temp (°C)                           | Measured Freq. (GHz) | Freq. Delta from Operating Range (GHz) |
| 100 %                      | 3.80        | - 30                                | 3.70079277           | -0.00079277                            |
|                            |             | - 20                                | 3.70026503           | -0.00026503                            |
|                            |             | - 10                                | 3.70013968           | -0.00013968                            |
|                            |             | 0                                   | 3.70047221           | -0.00047221                            |
|                            |             | + 10                                | 3.70000341           | -0.00000341                            |
|                            |             | + 20 (Ref)                          | 3.70031144           | -0.00031144                            |
|                            |             | + 30                                | 3.70014634           | -0.00014634                            |
|                            |             | + 40                                | 3.70044776           | -0.00044776                            |
| Battery Endpoint           | 3.40        | + 50                                | 3.70039568           | -0.00039568                            |
|                            |             | + 20                                | 3.70017692           | -0.00017692                            |

Table 7-44. NR Band n77 C-Band Lower Boundary Frequency Stability Data

| NR Band n77 (3700-3980MHz) |             |                                     |                      |                                        |
|----------------------------|-------------|-------------------------------------|----------------------|----------------------------------------|
|                            |             | Operating Band Upper Boundary (GHz) |                      | 3.980                                  |
|                            |             | Ref. Voltage (VDC):                 |                      | 3.80                                   |
| Voltage (%)                | Power (VDC) | Temp (°C)                           | Measured Freq. (GHz) | Freq. Delta from Operating Range (GHz) |
| 100 %                      | 3.80        | - 30                                | 3.97964598           | -0.00035402                            |
|                            |             | - 20                                | 3.97999753           | -0.00000247                            |
|                            |             | - 10                                | 3.97956127           | -0.00043873                            |
|                            |             | 0                                   | 3.97992624           | -0.00007376                            |
|                            |             | + 10                                | 3.97991372           | -0.00008628                            |
|                            |             | + 20 (Ref)                          | 3.97959716           | -0.00040284                            |
|                            |             | + 30                                | 3.97961107           | -0.00038893                            |
|                            |             | + 40                                | 3.97962835           | -0.00037165                            |
| Battery Endpoint           | 3.40        | + 50                                | 3.97903633           | -0.00096367                            |
|                            |             | + 20                                | 3.97922969           | -0.00077031                            |

Table 7-45. NR Band n77 C-Band Upper Boundary Frequency Stability Data

|                                            |                                                                                                                       |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                                                  | EUT Type:<br>Tablet Device | Page 264 of 265                   |

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## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA3267** complies with all the requirements of Part 27 of the FCC rules.

|                                            |                                                                                     |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3267                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2410210073-11-R1.BCG | Test Dates:<br>7/1/2024 - 12/25/2024                                                | EUT Type:<br>Tablet Device | Page 265 of 265                   |

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