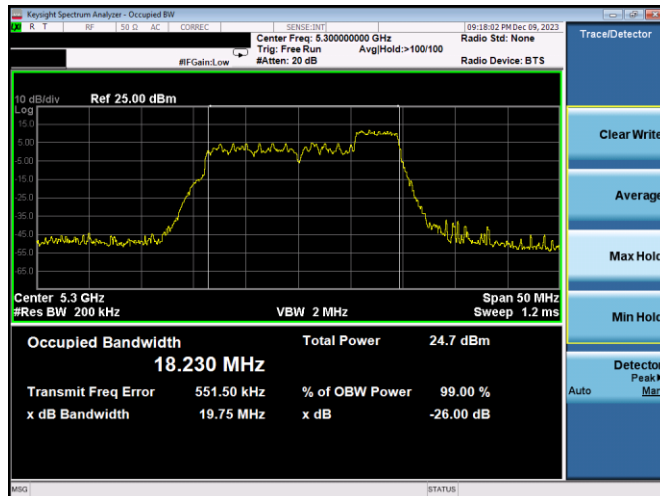
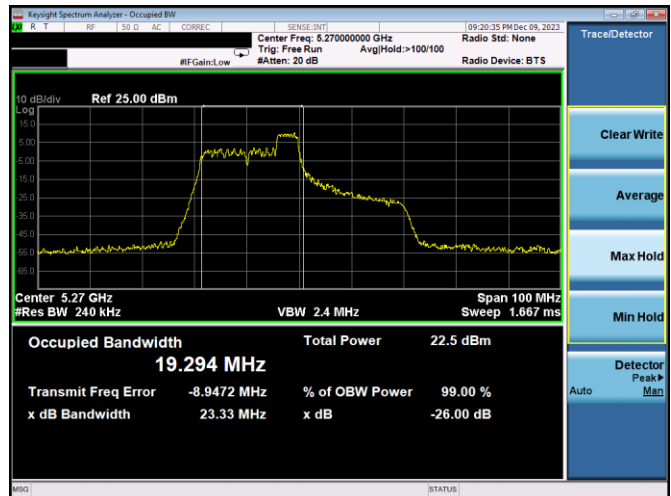
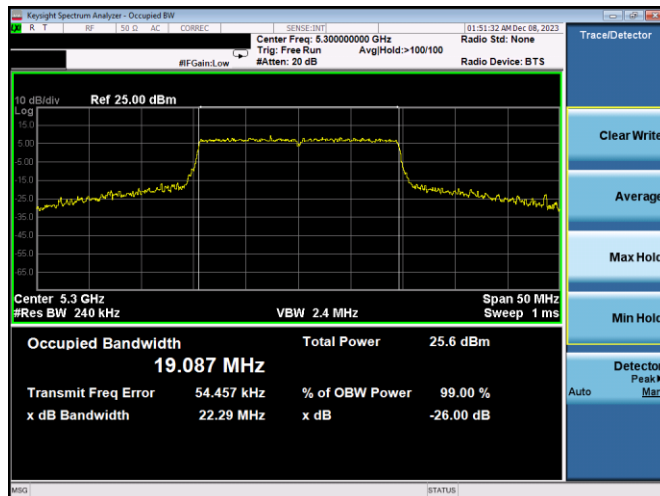




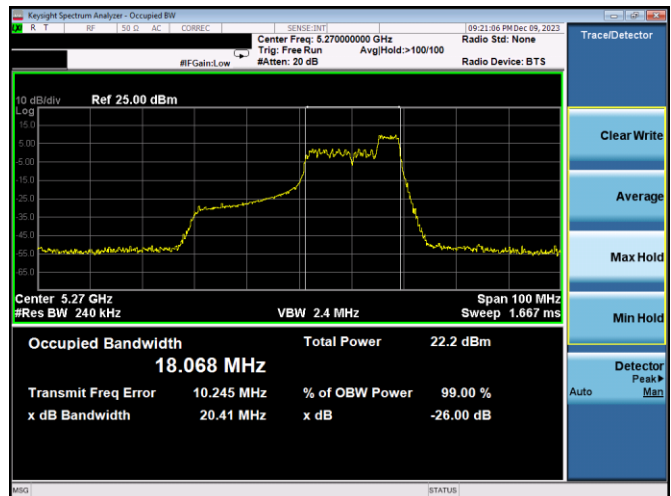
Plot 7-63. 26dB BW & 99% OBW Antenna 3a (20MHz BW 11ax Index 40 – RU52 – Ch.60)



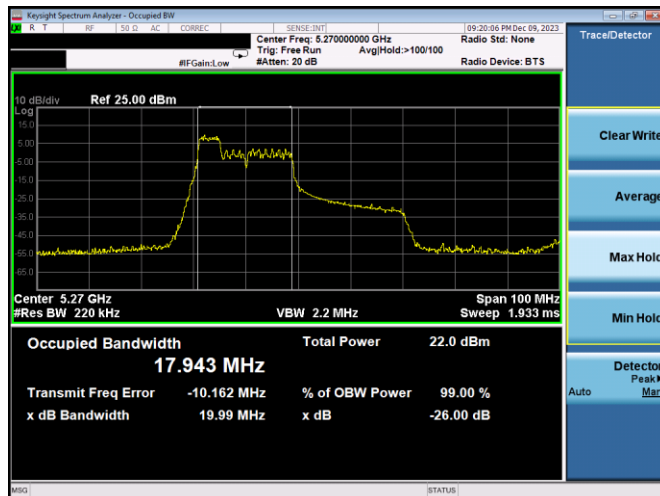
Plot 7-66. 26dB BW & 99% OBW Antenna 3a (40MHz BW 11ax Index 40 – RU52 – Ch.54)



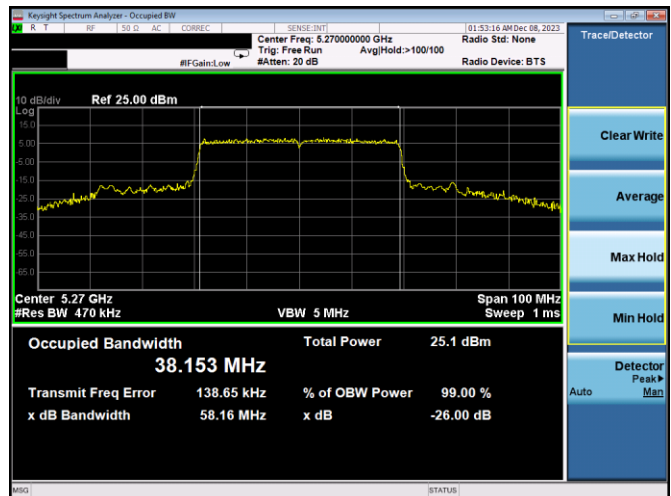
Plot 7-64. 26dB BW & 99% OBW Antenna 3a (20MHz BW 11ax – RU242 – Ch.60)



Plot 7-67. 26dB BW & 99% OBW Antenna 3a (40MHz BW 11ax Index 44 – RU52 – Ch.54)



Plot 7-65. 26dB BW & 99% OBW Antenna 3a (40MHz BW 11ax Index 37 – RU52 – Ch.54)

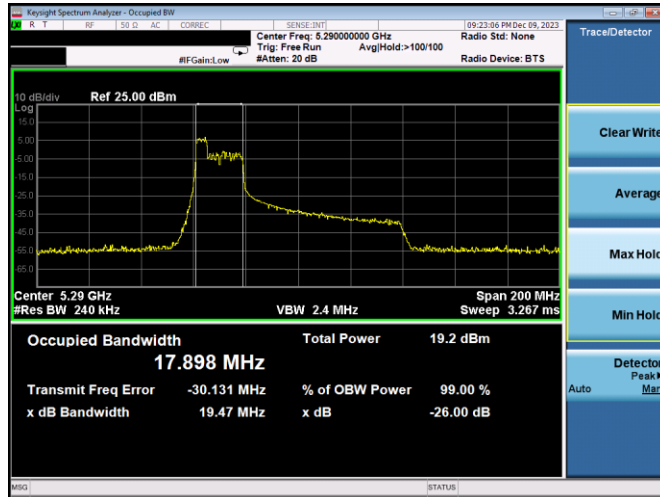


Plot 7-68. 26dB BW & 99% OBW Antenna 3a (40MHz BW 11ax – RU484 – Ch.54)

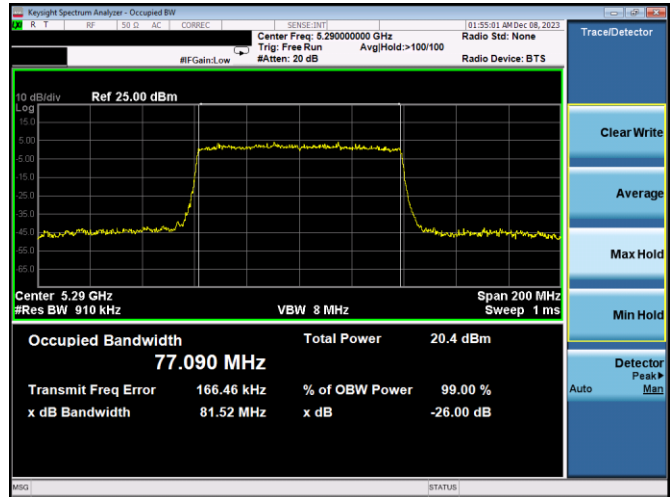
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| Test Report S/N:<br>1C2311270064-25-R1.BCG | Test Dates:<br>11/28/2023 - 3/05/2024                                               | EUT Type:<br>Tablet Device            | Page 34 of 448                    |

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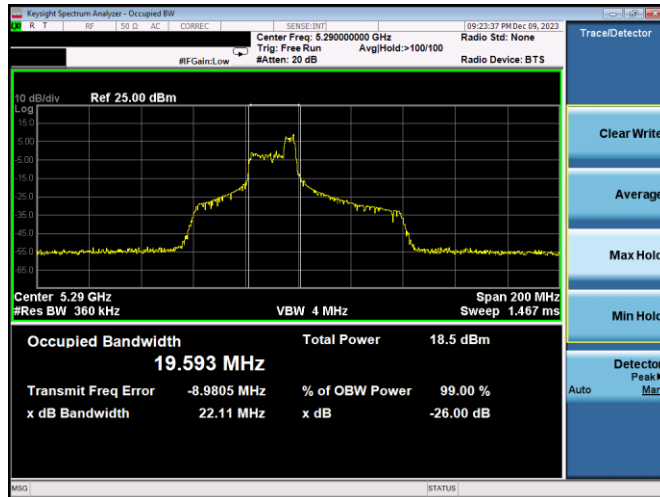
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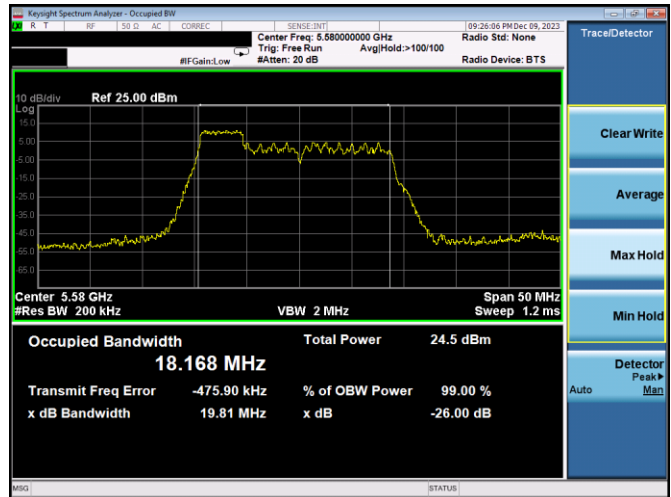
Plot 7-69. 26dB BW & 99% OBW Antenna 3a (80MHz BW 11ax Index 37 – RU52 – Ch.58)



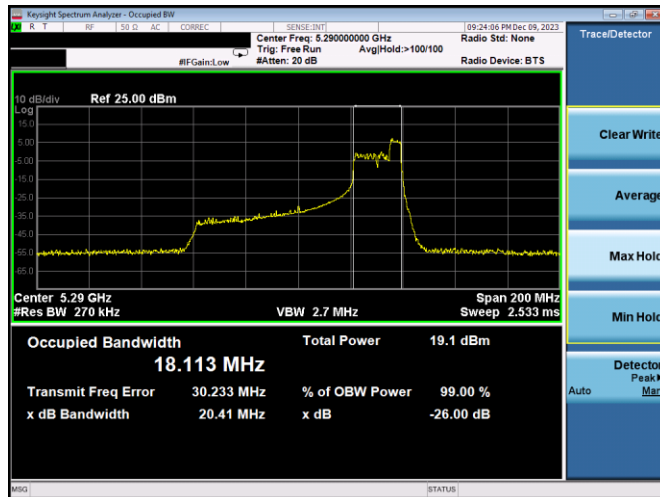
Plot 7-72. 26dB BW & 99% OBW Antenna 3a (80MHz BW 11ax – RU996 – Ch.58)



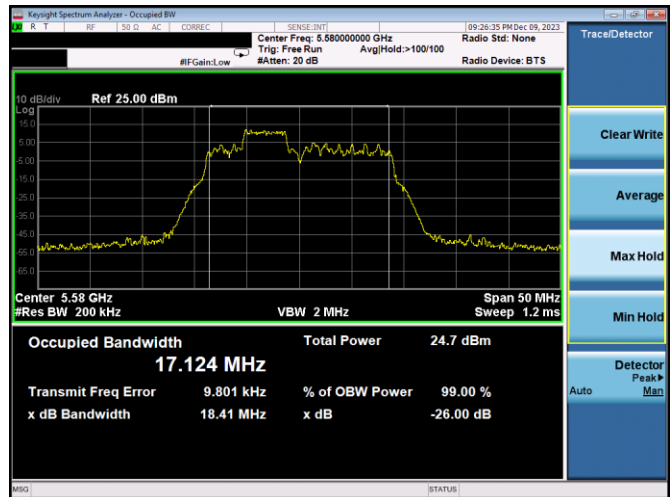
Plot 7-70. 26dB BW & 99% OBW Antenna 3a (80MHz BW 11ax Index 44 – RU52 – Ch.58)



Plot 7-73. 26dB BW & 99% OBW Antenna 3a (20MHz BW 11ax Index 37 – RU52 – Ch.116)



Plot 7-71. 26dB BW & 99% OBW Antenna 3a (80MHz BW 11ax Index 52 – RU52 – Ch.58)

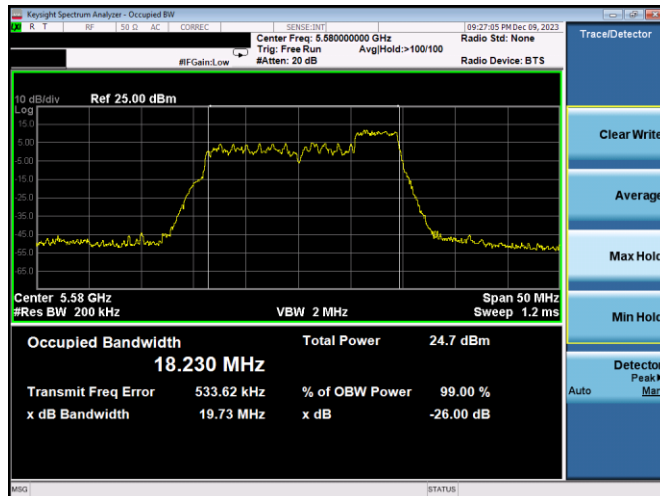


Plot 7-74. 26dB BW & 99% OBW Antenna 3a (20MHz BW 11ax Index 38 – RU52 – Ch.116)

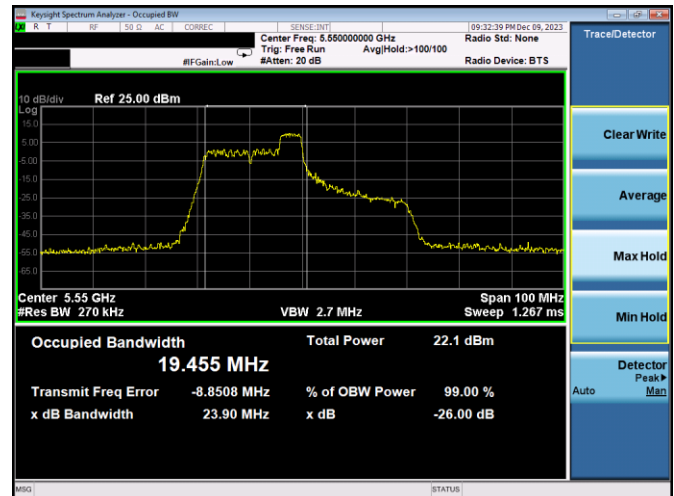
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-25-R1.BCG | Test Dates:<br>11/28/2023 - 3/05/2024                                               | EUT Type:<br>Tablet Device            | Page 35 of 448                    |

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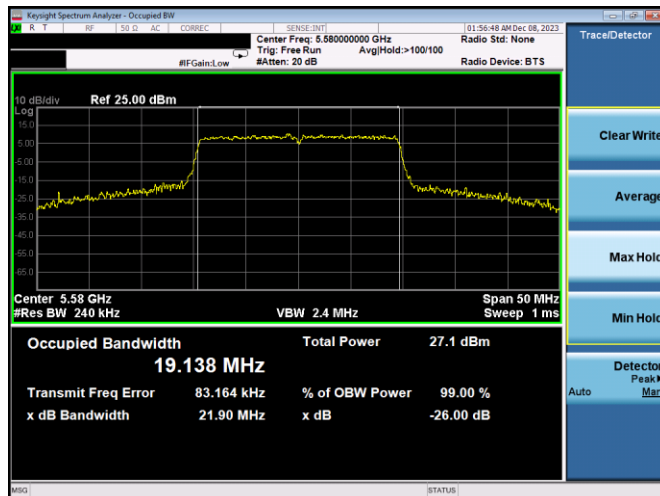
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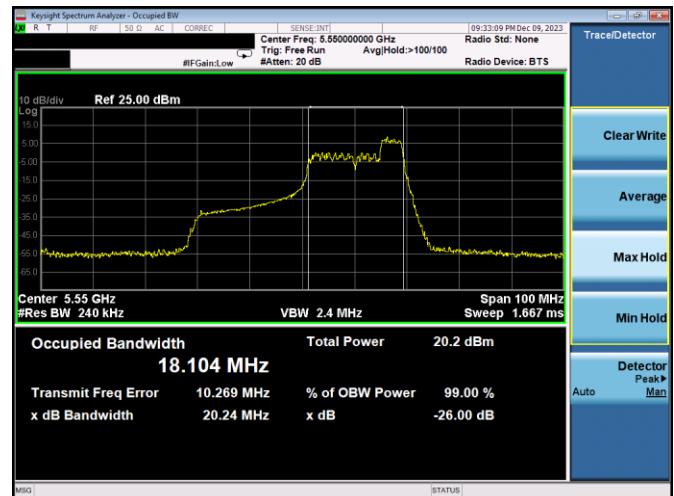
Plot 7-75. 26dB BW & 99% OBW Antenna 3a (20MHz BW 11ax Index 40 – RU52 – Ch.116)



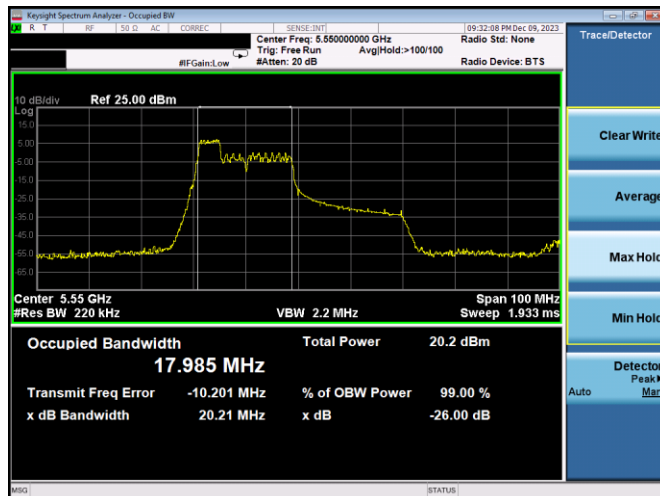
Plot 7-78. 26dB BW & 99% OBW Antenna 3a (40MHz BW 11ax Index 40 – RU52 – Ch.110)



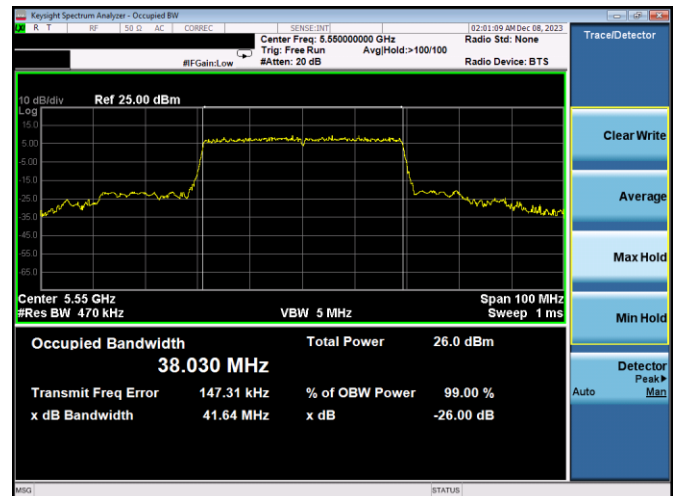
Plot 7-76. 26dB BW & 99% OBW Antenna 3a (20MHz BW 11ax-- RU242 – Ch.116)



Plot 7-79. 26dB BW & 99% OBW Antenna 3a (40MHz BW 11ax Index 44 – RU52 – Ch.110)



Plot 7-77. 26dB BW & 99% OBW Antenna 3a (40MHz BW 11ax Index 37 – RU52 – Ch.110)

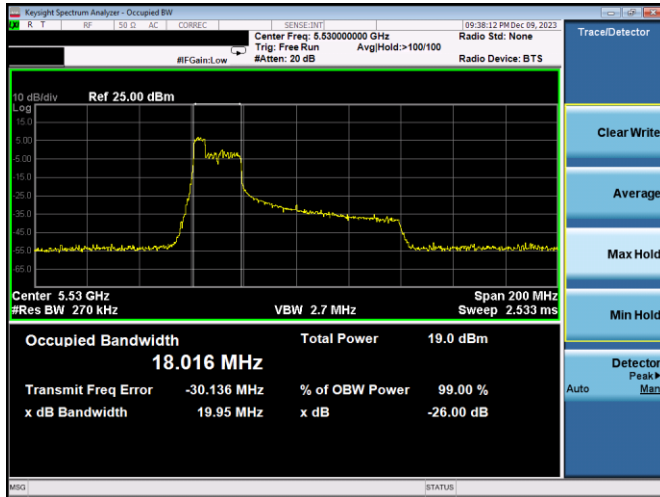


Plot 7-80. 26dB BW & 99% OBW Antenna 3a (40MHz BW 11ax – RU484 – Ch.110)

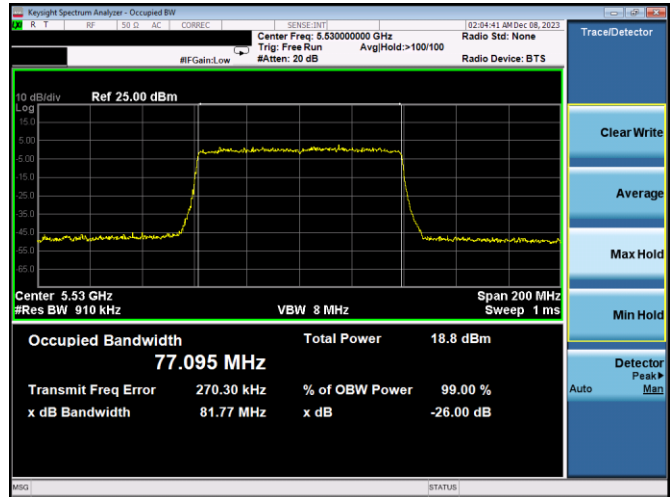
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-25-R1.BCG | Test Dates:<br>11/28/2023 - 3/05/2024                                               | EUT Type:<br>Tablet Device            | Page 36 of 448                    |

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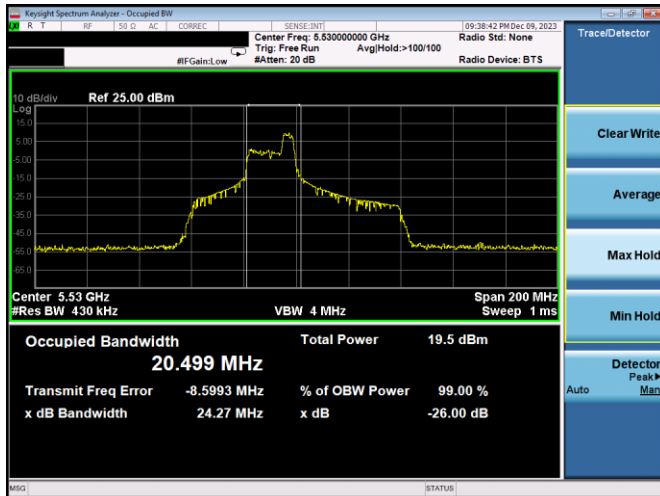
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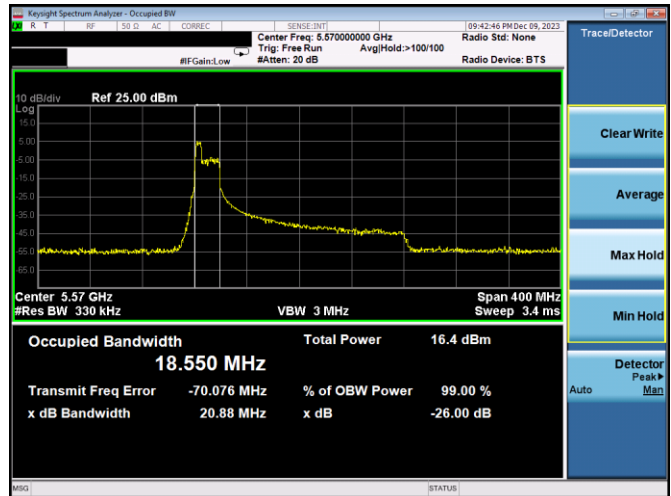
Plot 7-81. 26dB BW & 99% OBW Antenna 3a (80MHz BW 11ax Index 37 – RU52 – Ch.106)



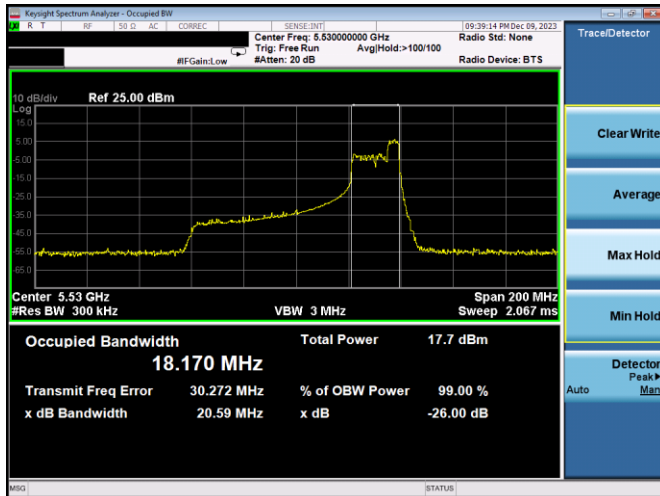
Plot 7-84. 26dB BW & 99% OBW Antenna 3a (80MHz BW 11ax – RU996 – Ch.106)



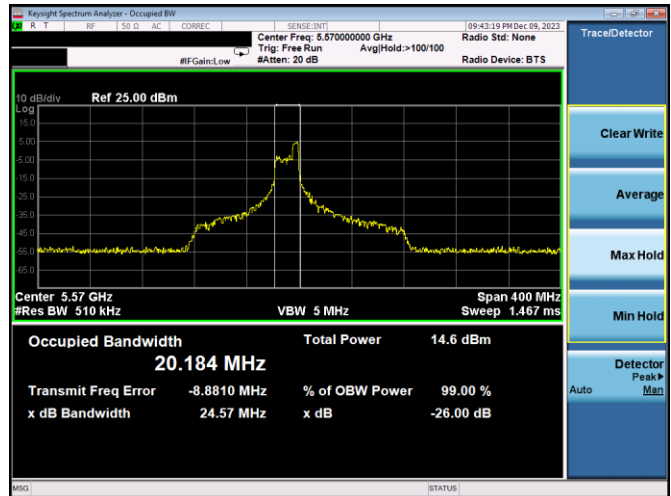
Plot 7-82. 26dB BW & 99% OBW Antenna 3a (80MHz BW 11ax Index 44 – RU52 – Ch.106)



Plot 7-85. 26dB BW & 99% OBW Antenna 3a (160MHz BW 11ax Index 37 – RU52 – Ch.114)

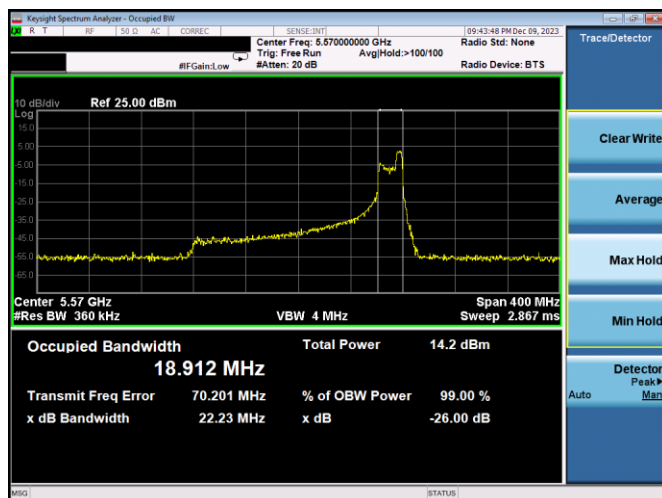


Plot 7-83. 26dB BW & 99% OBW Antenna 3a (80MHz BW 11ax Index 52 – RU52 – Ch.106)

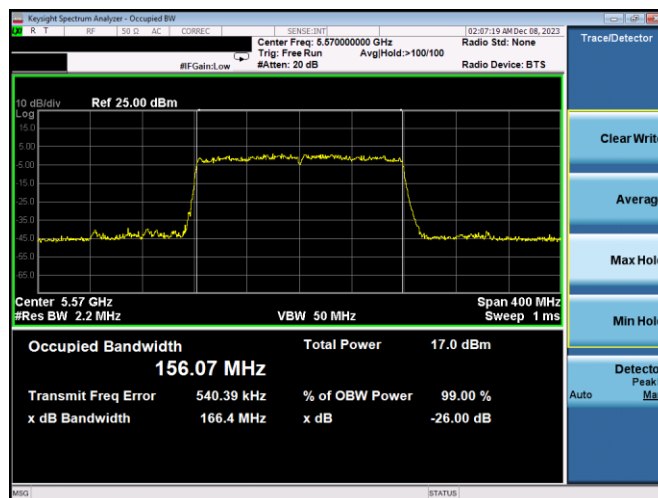


Plot 7-86. 26dB BW & 99% OBW Antenna 3a (160MHz BW 11ax Index 44 – RU52 – Ch.114)

|                                            |                                                                                     |                            |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903         |  |                            | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
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Plot 7-87. 26dB BW & 99% OBW Antenna 3a (160MHz BW 11ax Index 52 – RU52 – Ch.114)



Plot 7-88. 26dB BW & 99% OBW Antenna 3a (160MHz BW 11ax – RU996x2 – Ch.114)

|                                            |                                                                                     |                            |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------|-----------------------------------|
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## Antenna 1b 26dB & 99% Bandwidth Measurements

|        | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]  | Measured 99% Occupied Bandwidth [MHz] | Measured 26dB Bandwidth [MHz] |
|--------|-----------------|---------|-------------|---------|----------|-------------------|---------------------------------------|-------------------------------|
| Band 1 | 5180            | 36      | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 18.30                                 | 19.64                         |
|        |                 |         |             | 26      | 4        | 12.5/14.7 (MCS11) | 17.10                                 | 18.21                         |
|        |                 |         |             | 26      | 8        | 12.5/14.7 (MCS11) | 18.28                                 | 19.49                         |
|        | 5200            | 40      | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 18.27                                 | 19.59                         |
|        |                 |         |             | 26      | 4        | 12.5/14.7 (MCS11) | 17.07                                 | 18.16                         |
|        |                 |         |             | 26      | 8        | 12.5/14.7 (MCS11) | 18.21                                 | 19.43                         |
|        | 5240            | 48      | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 18.23                                 | 19.63                         |
|        |                 |         |             | 26      | 4        | 12.5/14.7 (MCS11) | 17.12                                 | 18.15                         |
|        |                 |         |             | 26      | 8        | 12.5/14.7 (MCS11) | 18.31                                 | 19.42                         |
|        | 5190            | 38      | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 18.13                                 | 19.64                         |
|        |                 |         |             | 26      | 8        | 12.5/14.7 (MCS11) | 20.00                                 | 21.80                         |
|        |                 |         |             | 26      | 17       | 12.5/14.7 (MCS11) | 18.08                                 | 19.69                         |
|        | 5230            | 46      | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 18.15                                 | 19.68                         |
|        |                 |         |             | 26      | 8        | 12.5/14.7 (MCS11) | 19.67                                 | 22.19                         |
|        |                 |         |             | 26      | 17       | 12.5/14.7 (MCS11) | 18.20                                 | 19.77                         |
|        | 5210            | 42      | ax (80MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 18.21                                 | 19.84                         |
|        |                 |         |             | 26      | 18       | 12.5/14.7 (MCS11) | 37.21                                 | 38.59                         |
|        |                 |         |             | 26      | 36       | 12.5/14.7 (MCS11) | 18.13                                 | 19.29                         |

**Table 7-8. Conducted BW Measurements Antenna 1b (RU26)**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-25-R1.BCG | Test Dates:<br>11/28/2023 - 3/05/2024                                                                                             | EUT Type:<br>Tablet Device | Page 39 of 448                    |

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|           | Frequency<br>[MHz] | Channel     | 802.11<br>MODE | RU Size    | RU Index      | Data Rate [Mbps] | Measured 99%<br>Occupied<br>Bandwidth [MHz] | Measured 26dB<br>Bandwidth [MHz] |       |
|-----------|--------------------|-------------|----------------|------------|---------------|------------------|---------------------------------------------|----------------------------------|-------|
| Band 1/2A | 5250               | 50 (L)      | ax (160MHz)    | 52         | 37            | 25/29.4 MCS11    | 18.33                                       | 20.82                            |       |
|           |                    | 50 (U)      |                | 52         | 52            | 25/29.4 MCS11    | 19.84                                       | 23.53                            |       |
|           |                    |             |                | 52         | 52            | 25/29.4 MCS11    | 18.71                                       | 22.13                            |       |
| Band 2A   | 5260               | 52          | ax (20MHz)     | 52         | 37            | 25/29.4 MCS11    | 18.14                                       | 19.60                            |       |
|           |                    |             |                | 52         | 38            | 25/29.4 MCS11    | 17.15                                       | 18.41                            |       |
|           |                    |             |                | 52         | 40            | 25/29.4 MCS11    | 18.25                                       | 19.73                            |       |
|           | 5280               | 60          | ax (20MHz)     | 52         | 37            | 25/29.4 MCS11    | 18.16                                       | 19.82                            |       |
|           |                    |             |                | 52         | 38            | 25/29.4 MCS11    | 17.15                                       | 18.49                            |       |
|           |                    |             |                | 52         | 40            | 25/29.4 MCS11    | 18.25                                       | 19.81                            |       |
|           | 5320               | 64          | ax (20MHz)     | 52         | 37            | 25/29.4 MCS11    | 18.15                                       | 19.52                            |       |
|           |                    |             |                | 52         | 38            | 25/29.4 MCS11    | 17.15                                       | 18.39                            |       |
|           |                    |             |                | 52         | 40            | 25/29.4 MCS11    | 18.23                                       | 19.64                            |       |
|           | 5270               | 54          | ax (40MHz)     | 52         | 37            | 25/29.4 MCS11    | 17.89                                       | 20.04                            |       |
|           |                    |             |                | 52         | 40            | 25/29.4 MCS11    | 19.50                                       | 23.97                            |       |
|           |                    |             |                | 52         | 44            | 25/29.4 MCS11    | 18.09                                       | 20.40                            |       |
|           | 5310               | 62          | ax (40MHz)     | 52         | 37            | 25/29.4 MCS11    | 17.96                                       | 19.93                            |       |
|           |                    |             |                | 52         | 40            | 25/29.4 MCS11    | 19.36                                       | 22.68                            |       |
|           |                    |             |                | 52         | 44            | 25/29.4 MCS11    | 18.09                                       | 20.31                            |       |
|           | 5290               | 58          | ax (80MHz)     | 52         | 37            | 25/29.4 MCS11    | 18.00                                       | 19.70                            |       |
|           |                    |             |                | 52         | 44            | 25/29.4 MCS11    | 21.14                                       | 26.18                            |       |
|           |                    |             |                | 52         | 52            | 25/29.4 MCS11    | 18.20                                       | 20.54                            |       |
|           | Band 2C            | 5500        | 100            | ax (20MHz) | 52            | 37               | 25/29.4 MCS11                               | 18.13                            | 19.76 |
|           |                    |             |                |            | 52            | 38               | 25/29.4 MCS11                               | 17.16                            | 18.27 |
|           |                    |             |                |            | 52            | 40               | 25/29.4 MCS11                               | 18.21                            | 19.80 |
| 5580      |                    | 116         | ax (20MHz)     | 52         | 37            | 25/29.4 MCS11    | 18.17                                       | 19.81                            |       |
|           |                    |             |                | 52         | 38            | 25/29.4 MCS11    | 17.15                                       | 18.47                            |       |
|           |                    |             |                | 52         | 40            | 25/29.4 MCS11    | 18.21                                       | 19.68                            |       |
| 5600*     |                    | 120         | ax (20MHz)     | 52         | 37            | 25/29.4 MCS11    | 18.16                                       | 19.76                            |       |
|           |                    |             |                | 52         | 38            | 25/29.4 MCS11    | 17.18                                       | 18.40                            |       |
|           |                    |             |                | 52         | 40            | 25/29.4 MCS11    | 18.20                                       | 19.89                            |       |
| 5720      |                    | 144         | ax (20MHz)     | 52         | 37            | 25/29.4 MCS11    | 18.15                                       | 19.85                            |       |
|           |                    |             |                | 52         | 38            | 25/29.4 MCS11    | 17.14                                       | 18.43                            |       |
|           |                    |             |                | 52         | 40            | 25/29.4 MCS11    | 18.20                                       | 19.70                            |       |
| 5510      |                    | 102         | ax (40MHz)     | 52         | 37            | 25/29.4 MCS11    | 17.97                                       | 20.19                            |       |
|           |                    |             |                | 52         | 40            | 25/29.4 MCS11    | 19.23                                       | 22.72                            |       |
|           |                    |             |                | 52         | 44            | 25/29.4 MCS11    | 18.11                                       | 20.48                            |       |
| 5550      |                    | 110         | ax (40MHz)     | 52         | 37            | 25/29.4 MCS11    | 17.94                                       | 19.68                            |       |
|           |                    |             |                | 52         | 40            | 25/29.4 MCS11    | 19.41                                       | 23.71                            |       |
|           |                    |             |                | 52         | 44            | 25/29.4 MCS11    | 18.08                                       | 20.57                            |       |
| 5710      |                    | 142         | ax (40MHz)     | 52         | 37            | 25/29.4 MCS11    | 17.94                                       | 20.34                            |       |
|           |                    |             |                | 52         | 40            | 25/29.4 MCS11    | 19.59                                       | 22.16                            |       |
|           |                    |             |                | 52         | 44            | 25/29.4 MCS11    | 18.03                                       | 20.23                            |       |
| 5530      |                    | 106         | ax (80MHz)     | 52         | 37            | 25/29.4 MCS11    | 17.96                                       | 19.65                            |       |
|           |                    |             |                | 52         | 44            | 25/29.4 MCS11    | 20.82                                       | 25.17                            |       |
|           |                    |             |                | 52         | 52            | 25/29.4 MCS11    | 18.10                                       | 20.36                            |       |
| 5610*     |                    | 122         | ax (80MHz)     | 52         | 37            | 25/29.4 MCS11    | 18.00                                       | 19.86                            |       |
|           |                    |             |                | 52         | 44            | 25/29.4 MCS11    | 20.87                                       | 25.56                            |       |
|           |                    |             |                | 52         | 52            | 25/29.4 MCS11    | 18.03                                       | 20.17                            |       |
| 5690      | 138                | ax (80MHz)  | 52             | 37         | 25/29.4 MCS11 | 17.94            | 19.69                                       |                                  |       |
|           |                    |             | 52             | 44         | 25/29.4 MCS11 | 20.15            | 24.81                                       |                                  |       |
|           |                    |             | 52             | 52         | 25/29.4 MCS11 | 18.15            | 20.28                                       |                                  |       |
| 5570*     | 114 (L)            | ax (160MHz) | 52             | 37         | 25/29.4 MCS11 | 18.31            | 21.07                                       |                                  |       |
|           | 114 (U)            |             | 52             | 52         | 25/29.4 MCS11 | 20.08            | 26.39                                       |                                  |       |
|           |                    |             | 52             | 52         | 25/29.4 MCS11 | 18.64            | 22.02                                       |                                  |       |

**Table 7-9. Conducted BW Measurements Antenna 1b (RU52)**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-25-R1.BCG | Test Dates:<br>11/28/2023 - 3/05/2024                                                                                             | EUT Type:<br>Tablet Device | Page 40 of 448                    |

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|           | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]  | Measured 99% Occupied Bandwidth [MHz] | Measured 26dB Bandwidth [MHz] |
|-----------|-----------------|---------|-------------|---------|----------|-------------------|---------------------------------------|-------------------------------|
| Band 1    | 5180            | 36      | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.01                                 | 20.73                         |
|           | 5200            | 40      | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.15                                 | 27.92                         |
|           | 5240            | 48      | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.17                                 | 27.68                         |
|           | 5190            | 38      | ax (40MHz)  | 484     | 65       | 243.8/286.8 MCS11 | 37.92                                 | 41.18                         |
|           | 5230            | 46      | ax (40MHz)  | 484     | 65       | 243.8/286.8 MCS11 | 38.42                                 | 68.29                         |
|           | 5210            | 42      | ax (80MHz)  | 996     | 67       | 510.4/600.5 MCS11 | 76.94                                 | 81.49                         |
| Band 1/2A | 5250            | 50      | ax (160MHz) | 996x2   | 68       | 510.4/600.5 MCS11 | 156.11                                | 164.90                        |
| Band 2A   | 5260            | 52      | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.16                                 | 23.68                         |
|           | 5280            | 60      | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.12                                 | 26.07                         |
|           | 5320            | 64      | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.13                                 | 21.20                         |
|           | 5270            | 54      | ax (40MHz)  | 484     | 65       | 243.8/286.8 MCS11 | 38.26                                 | 68.16                         |
|           | 5310            | 62      | ax (40MHz)  | 484     | 65       | 243.8/286.8 MCS11 | 37.89                                 | 41.07                         |
|           | 5290            | 58      | ax (80MHz)  | 996     | 67       | 510.4/600.5 MCS11 | 76.98                                 | 81.16                         |
| Band 2C   | 5500            | 100     | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.03                                 | 21.17                         |
|           | 5580            | 116     | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.01                                 | 21.14                         |
|           | 5720            | 144     | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.05                                 | 21.09                         |
|           | 5510            | 102     | ax (40MHz)  | 484     | 65       | 243.8/286.8 MCS11 | 37.86                                 | 41.16                         |
|           | 5550            | 110     | ax (40MHz)  | 484     | 65       | 243.8/286.8 MCS11 | 37.95                                 | 41.40                         |
|           | 5710            | 142     | ax (40MHz)  | 484     | 65       | 243.8/286.8 MCS11 | 38.04                                 | 41.22                         |
|           | 5530            | 106     | ax (80MHz)  | 996     | 67       | 510.4/600.5 MCS11 | 77.03                                 | 81.33                         |
|           | 5610*           | 122     | ax (80MHz)  | 996     | 67       | 510.4/600.5 MCS11 | 77.06                                 | 81.33                         |
|           | 5690            | 138     | ax (80MHz)  | 996     | 67       | 510.4/600.5 MCS11 | 77.28                                 | 98.09                         |
|           | 5570*           | 114     | ax (160MHz) | 996x2   | 68       | 510.4/600.5 MCS11 | 156.19                                | 166.55                        |

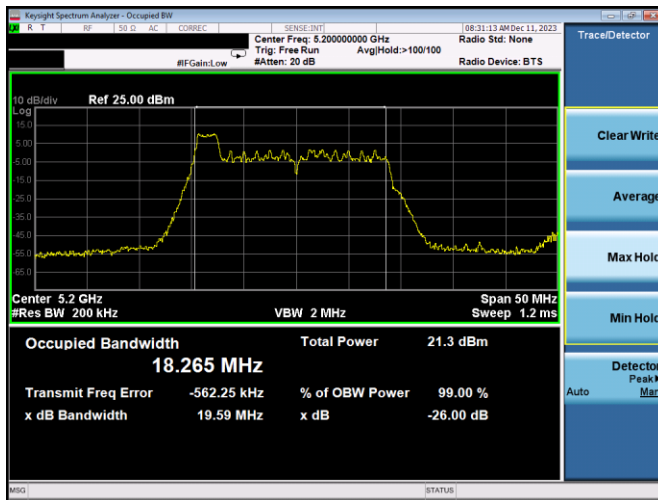
**Table 7-10. Conducted BW Measurements Antenna 1b (Fully – loaded RU)**

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

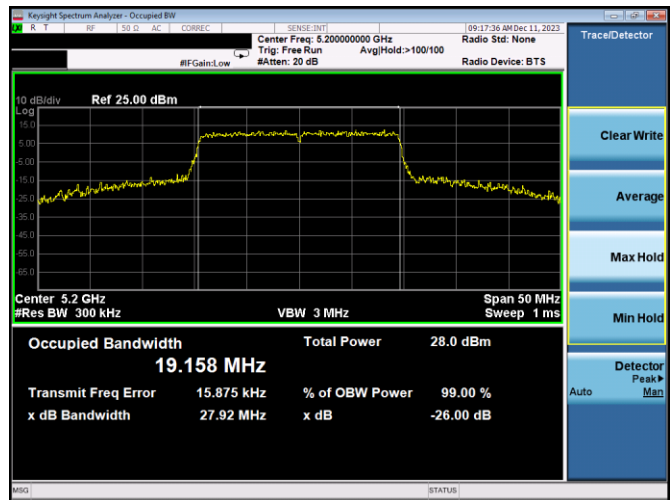
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|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
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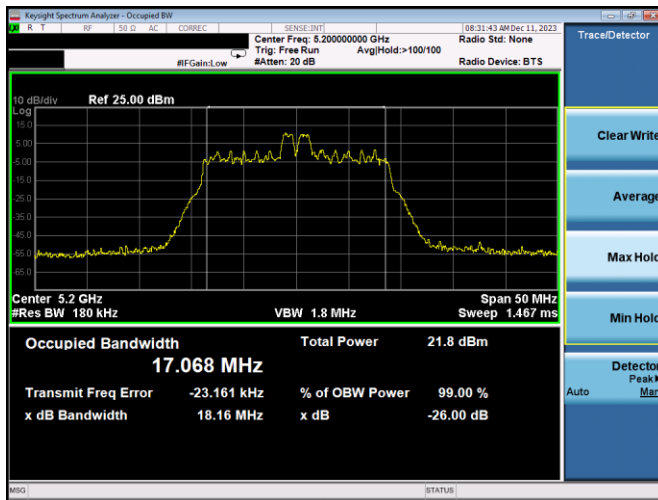
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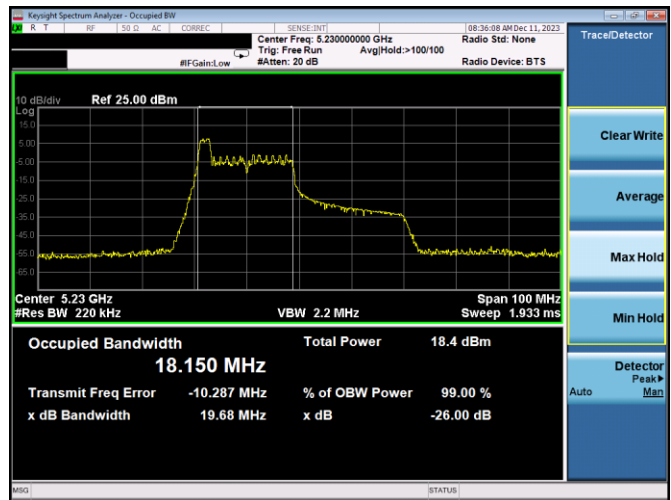
Plot 7-89. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 0 – RU26 – Ch.40)



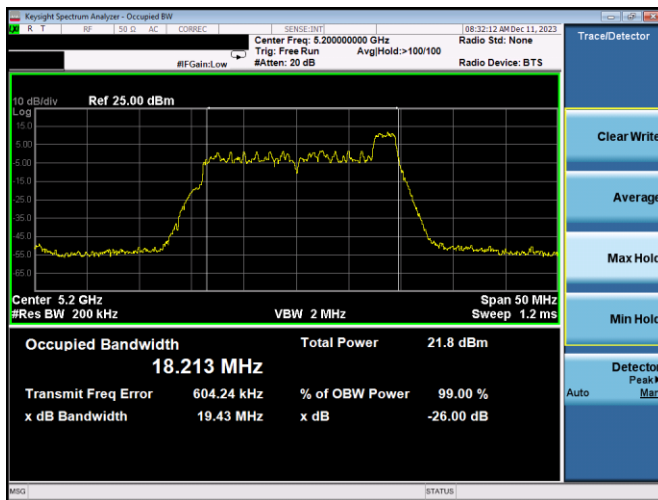
Plot 7-92. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax- RU242 – Ch.40)



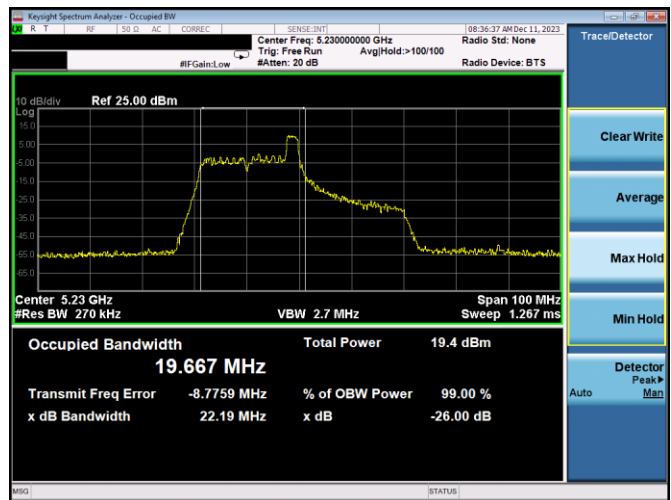
Plot 7-90. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 4 – RU26 – Ch.40)



Plot 7-93. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 0 – RU26 – Ch.46)



Plot 7-91. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 8 – RU26 – Ch.40)

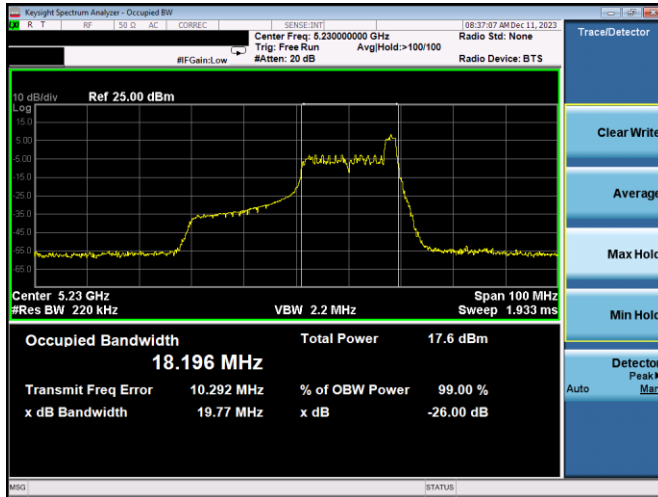


Plot 7-94. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 8 – RU26 – Ch.46)

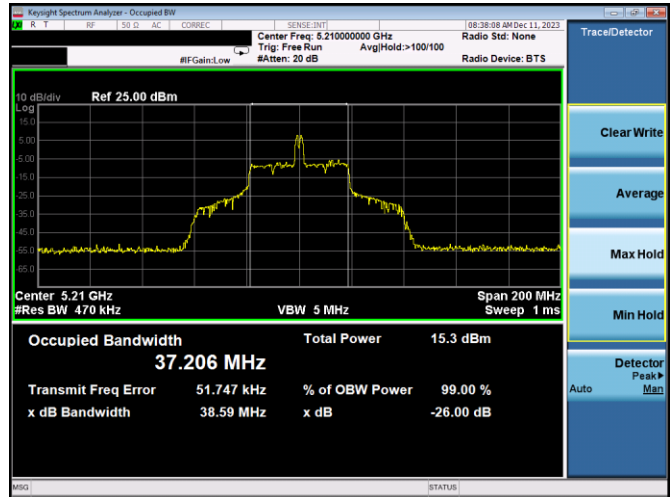
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|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903         |  |                            | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
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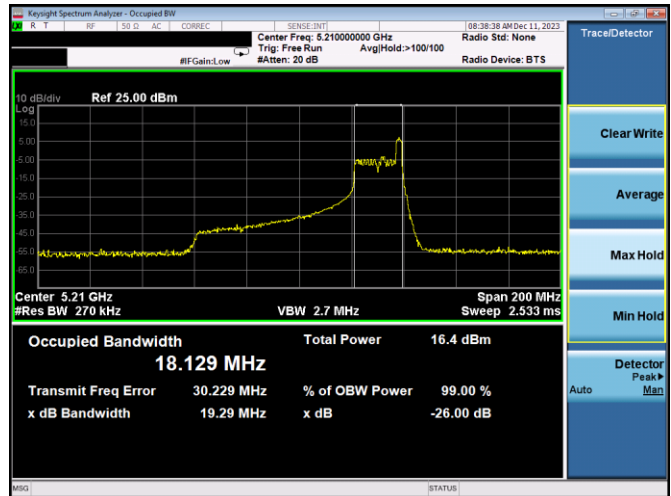
Plot 7-95. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 17 - RU26 - Ch.46)



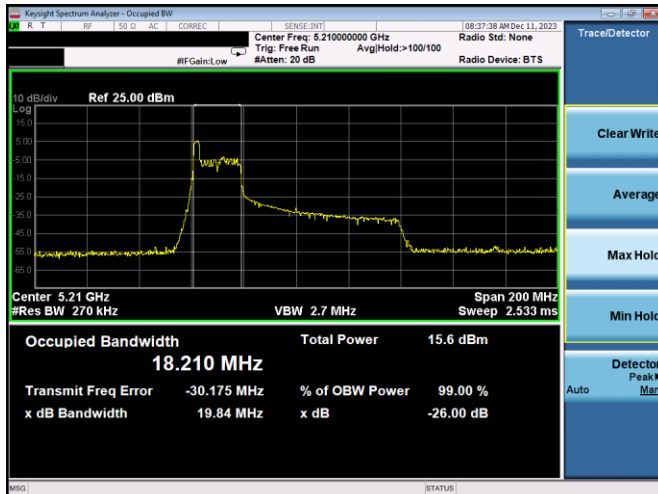
Plot 7-98. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 18 - RU26 - Ch.42)



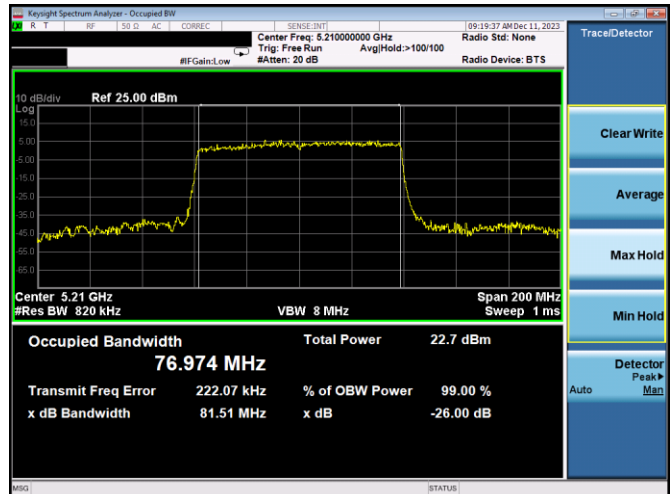
Plot 7-96. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax - RU484 - Ch.46)



Plot 7-99. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 36 - RU26 - Ch.42)

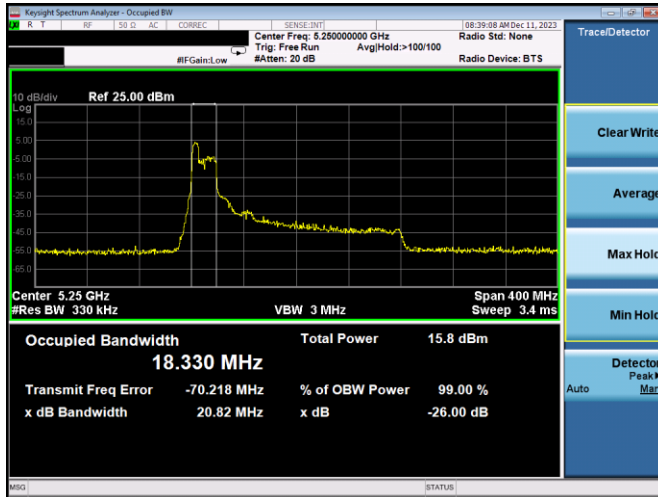


Plot 7-97. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 0 - RU26 - Ch.42)

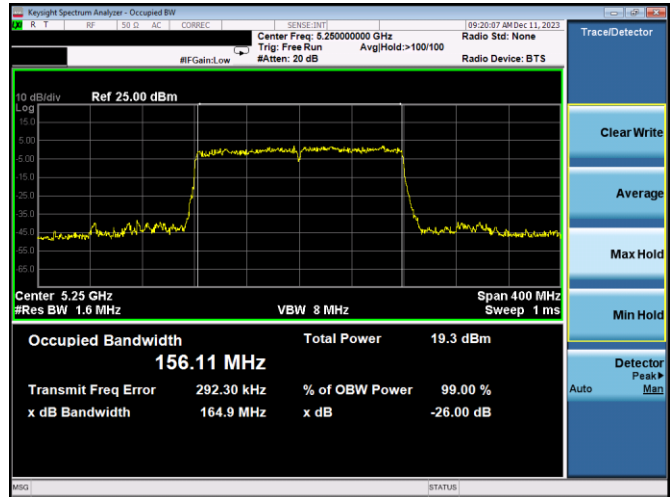


Plot 7-100. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax - RU996 - Ch.42)

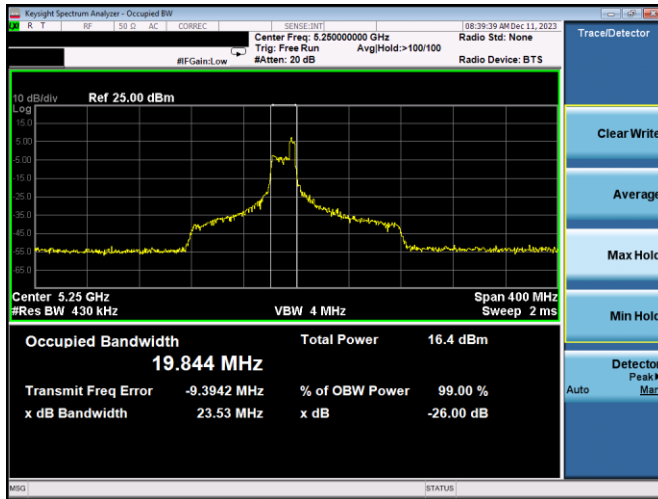
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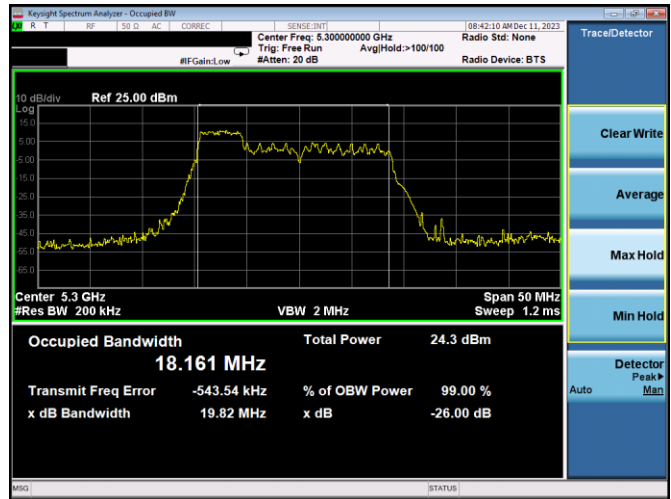
Plot 7-101. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 37 – RU52 – Ch.50)



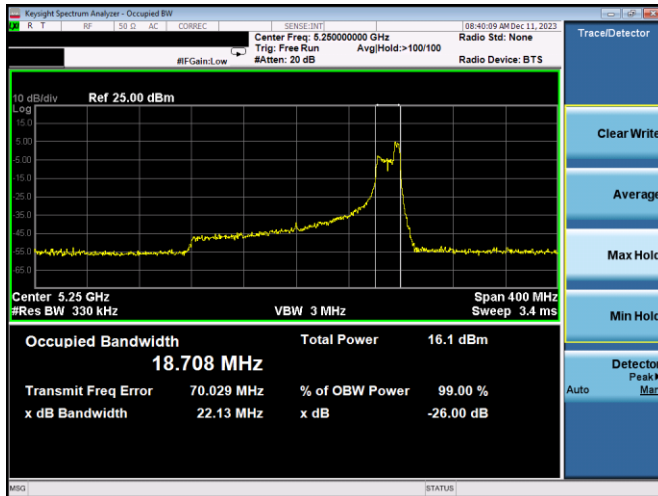
Plot 7-104. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax – RU996x2 – Ch.50)



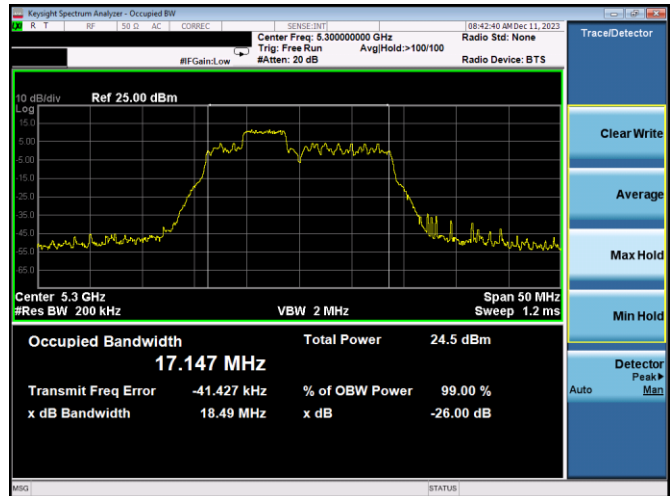
Plot 7-102. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 44 – RU52 – Ch.50)



Plot 7-105. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 37 – RU52 – Ch.60)



Plot 7-103. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 52 – RU52 – Ch.50)

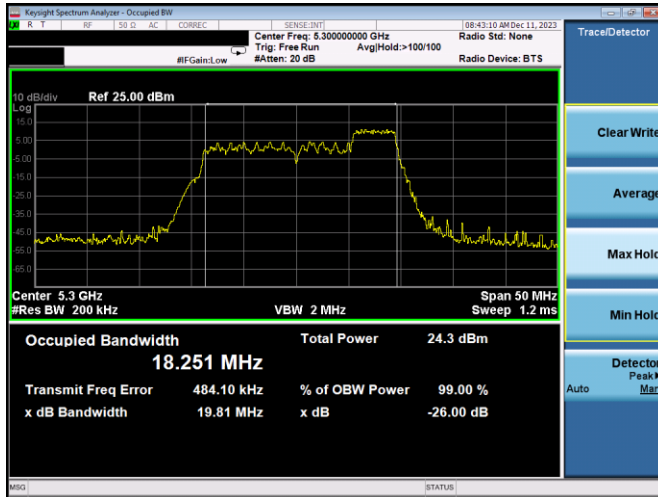


Plot 7-106. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 38 – RU52 – Ch.60)

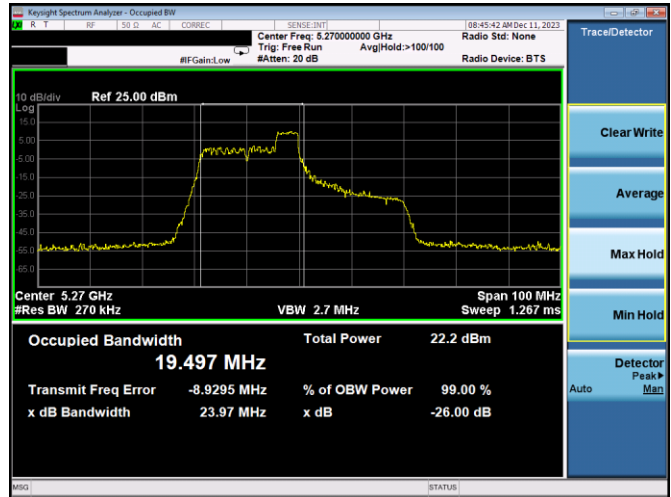
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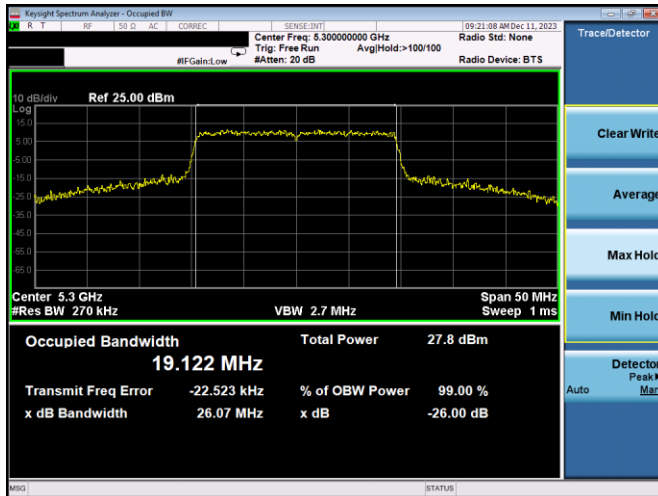
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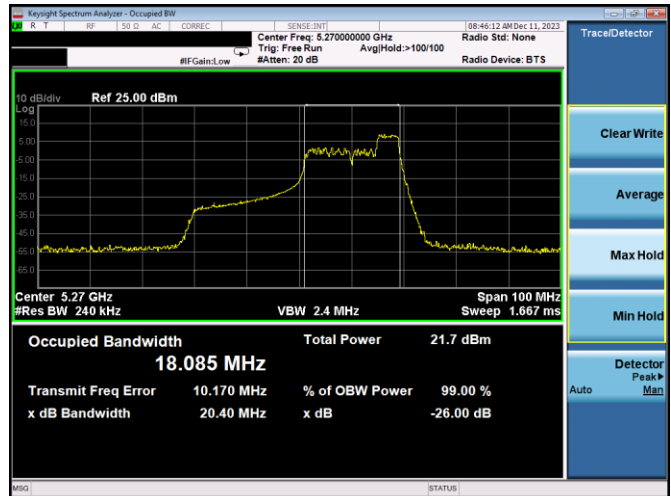
Plot 7-107. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 40 – RU52 – Ch.60)



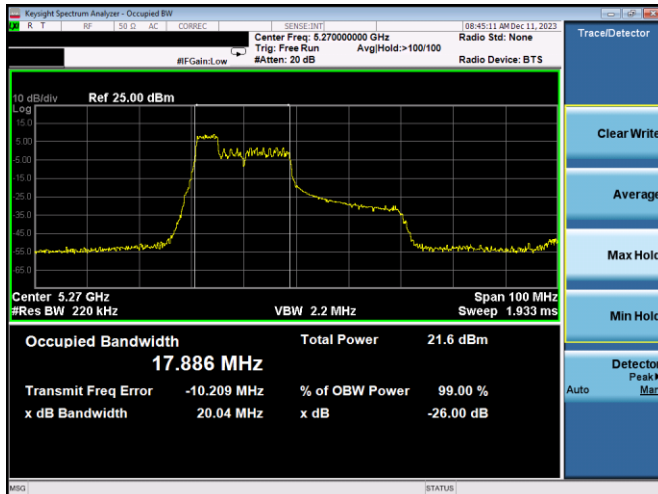
Plot 7-110. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 40 – RU52 – Ch.54)



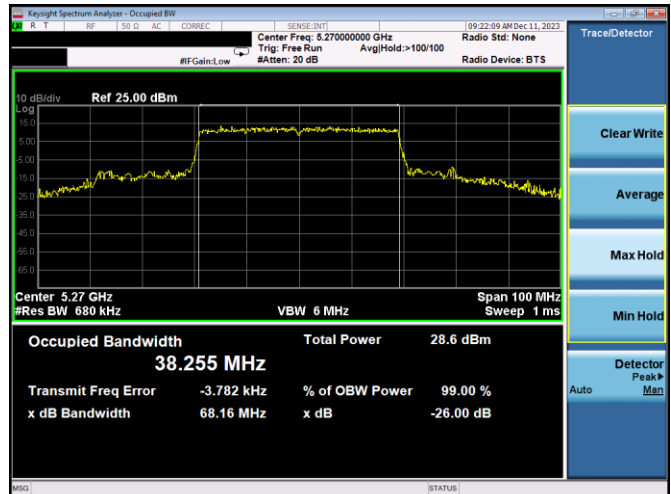
Plot 7-108. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax – RU242 – Ch.60)



Plot 7-111. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 44 – RU52 – Ch.54)



Plot 7-109. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 37 – RU52 – Ch.54)



Plot 7-112. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax – RU484 – Ch.54)

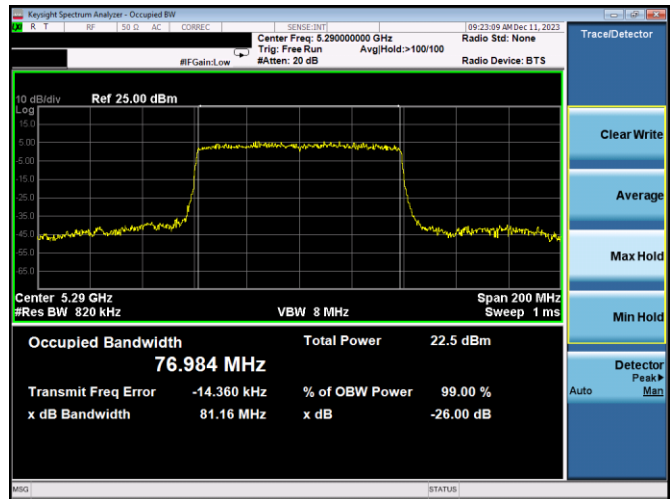
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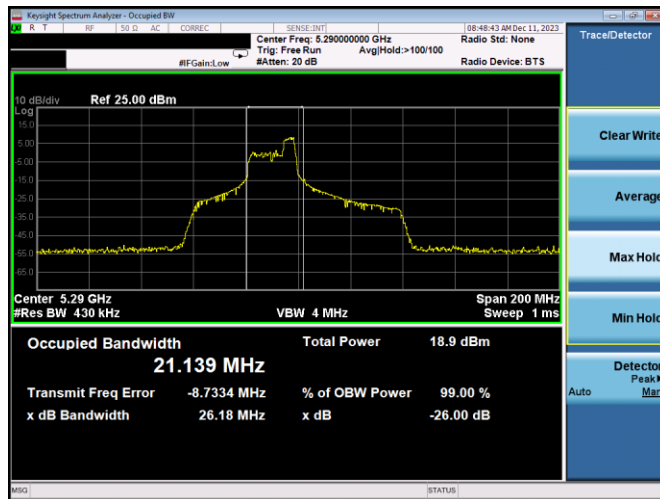
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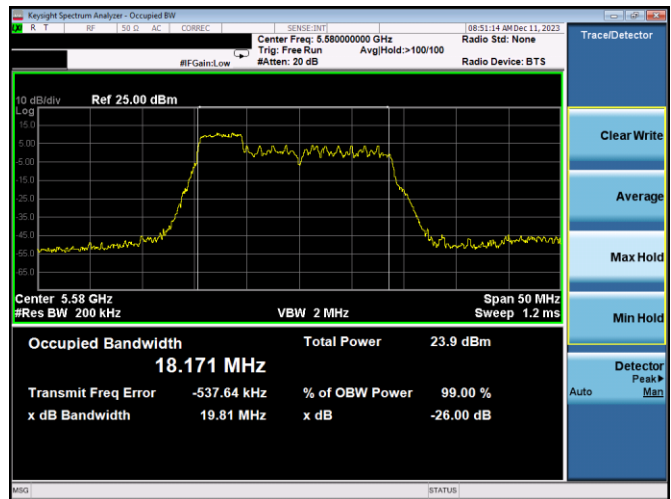
Plot 7-113. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 37 – RU52 – Ch.58)



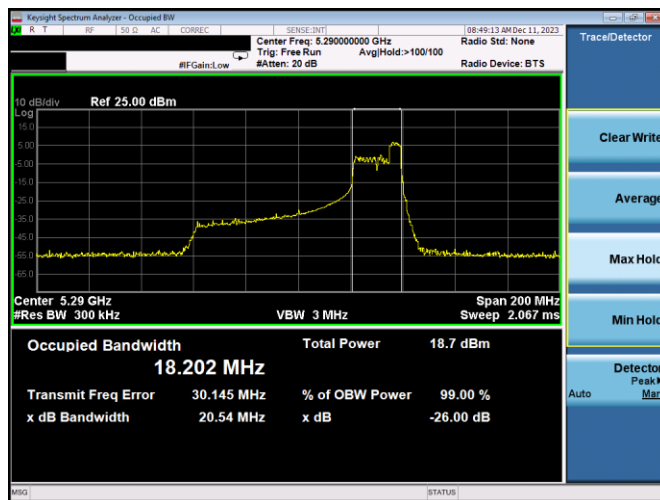
Plot 7-116. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax – RU996 – Ch.58)



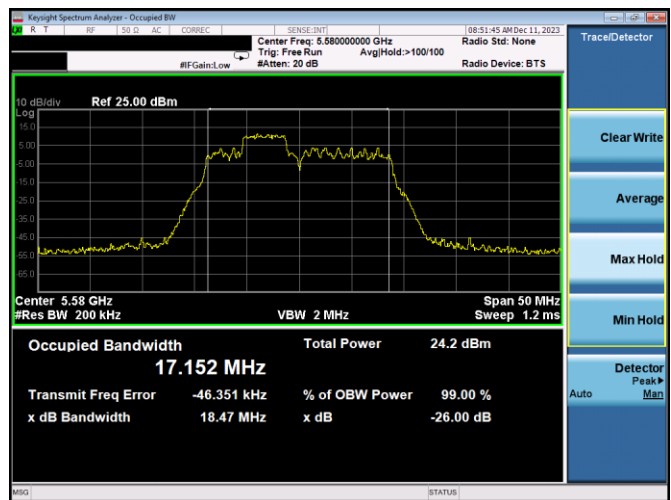
Plot 7-114. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 44 – RU52 – Ch.58)



Plot 7-117. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 37 – RU52 – Ch.116)



Plot 7-115. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 52 – RU52 – Ch.58)

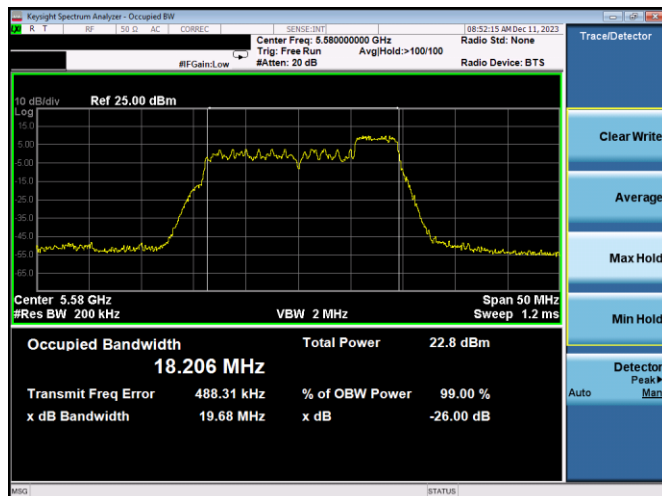


Plot 7-118. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 38 – RU52 – Ch.116)

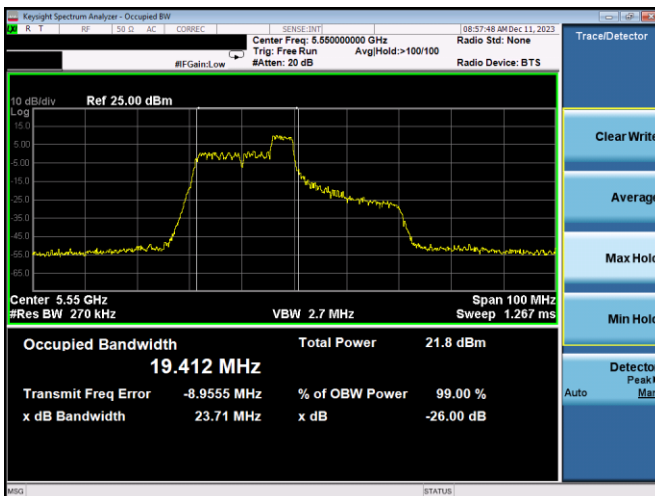
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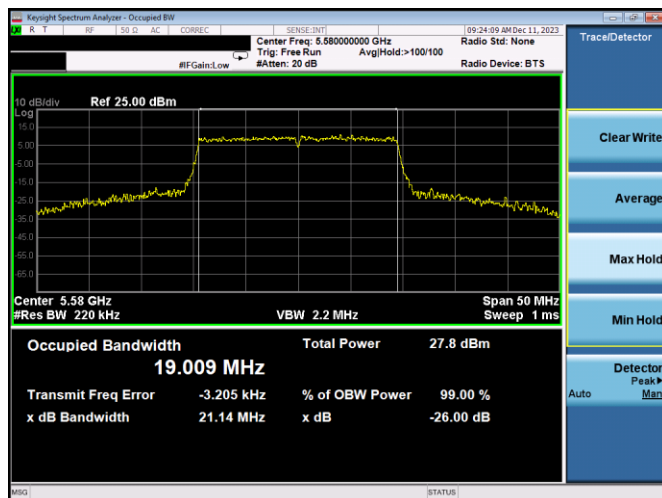
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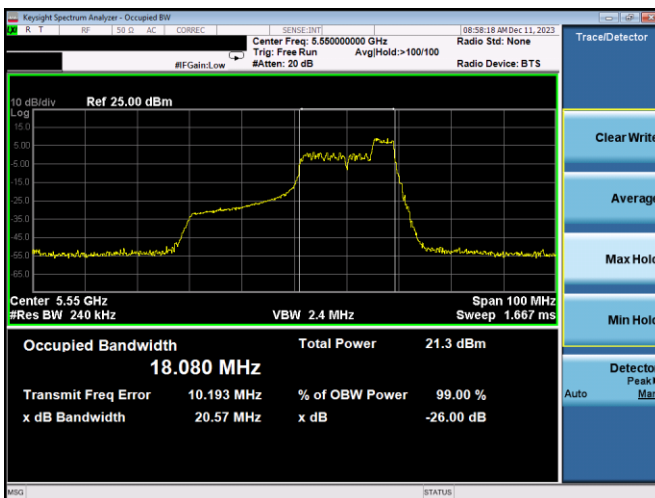
Plot 7-119. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 40 – RU52 – Ch.116)



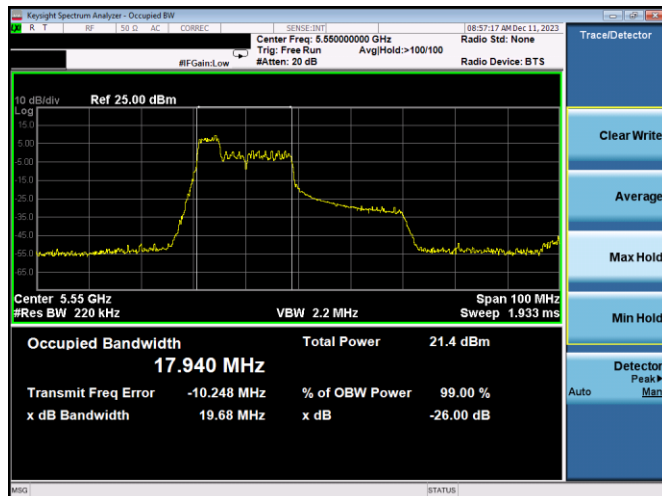
Plot 7-122. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 40 – RU52 – Ch.110)



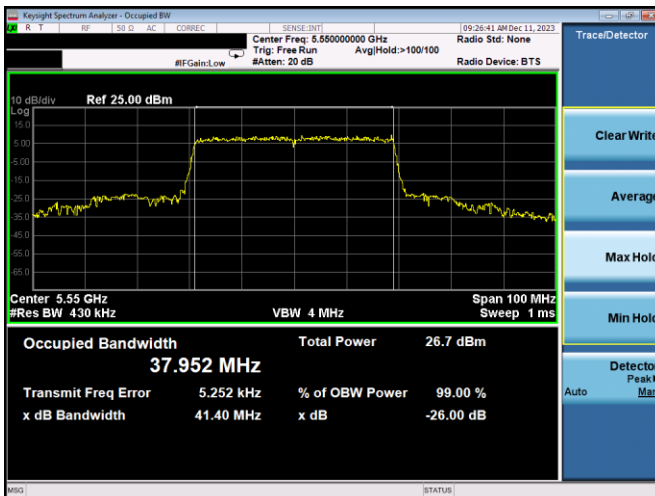
Plot 7-120. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax–RU242 – Ch.116)



Plot 7-123. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 44 – RU52 – Ch.110)

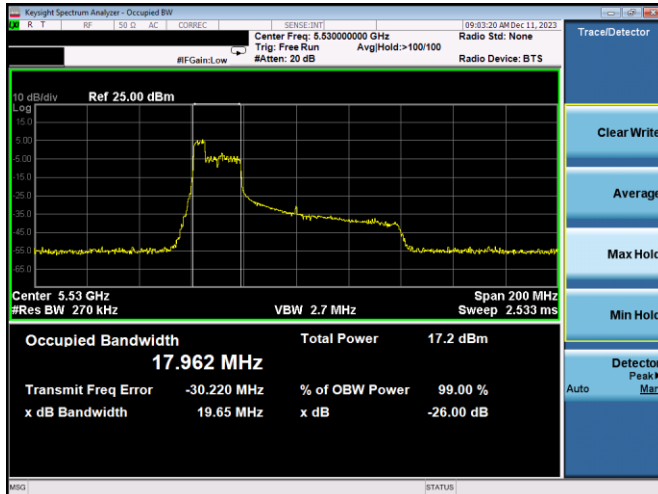


Plot 7-121. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 37 – RU52 – Ch.110)

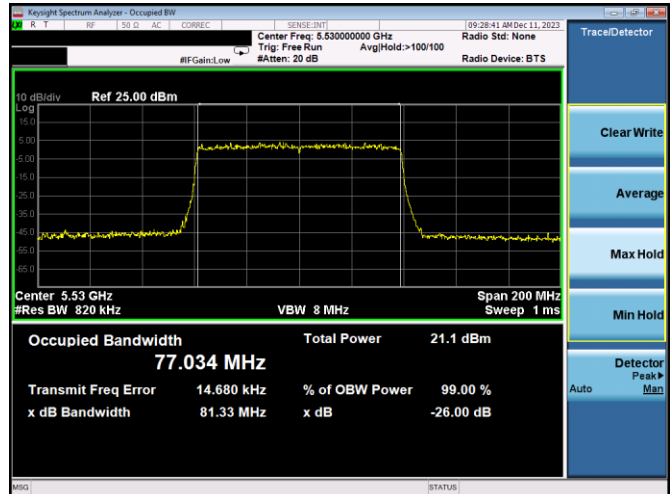


Plot 7-124. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax – RU484 – Ch.110)

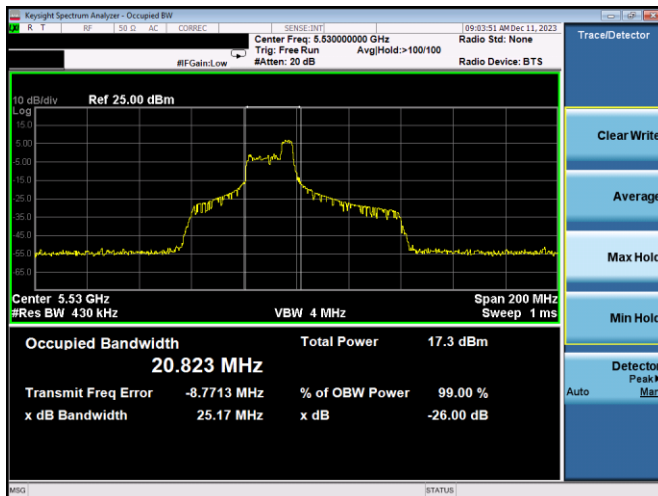
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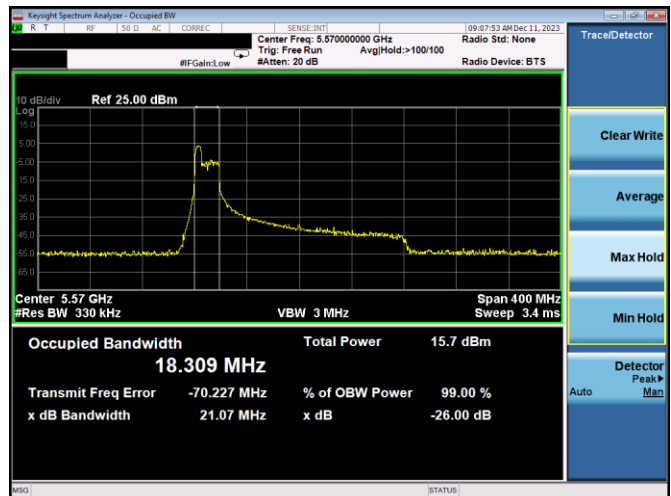
Plot 7-125. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 37 – RU52 – Ch.106)



Plot 7-128. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax – RU996 – Ch.106)



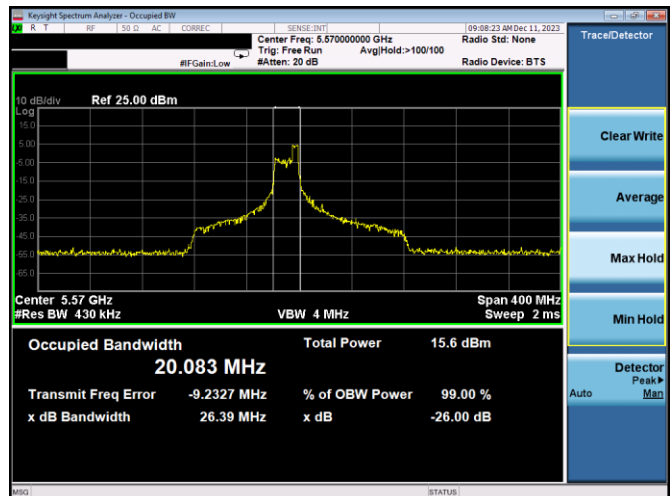
Plot 7-126. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 44 – RU52 – Ch.106)



Plot 7-129. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 37 – RU52 – Ch.114)



Plot 7-127. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 52 – RU52 – Ch.106)

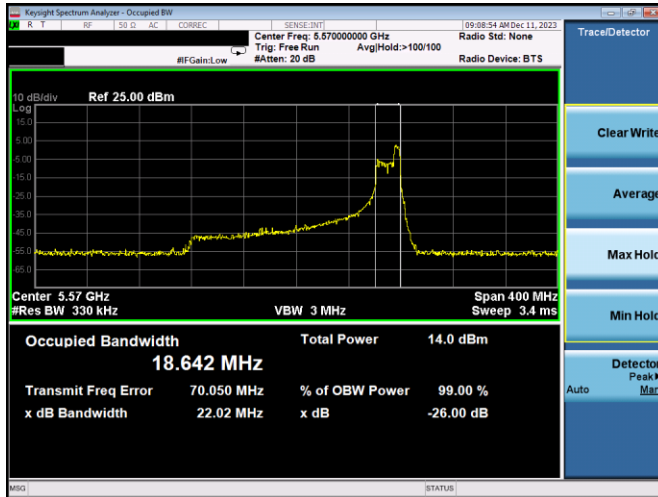


Plot 7-130. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 44 – RU52 – Ch.114)

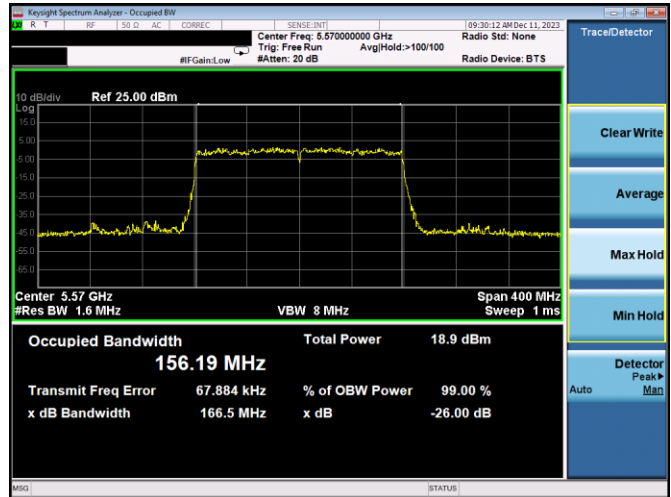
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Plot 7-131. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 52 – RU52 – Ch.114)



Plot 7-132. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax – RU996x2 – Ch.114)

|                                            |                                                                                     |                            |                                       |                                   |
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### 7.3 6dB & 99% Bandwidth Measurement – 802.11ax OFDMA

§2.1049; §15.407 (e); RSS-Gen [6.7]

#### Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 6dB bandwidth.

*In the 5.725 – 5.850GHz band, the 6dB bandwidth must be  $\geq 500$  kHz.*

#### Test Procedure Used

ANSI C63.10-2013 – Subclause 6.9.2

KDB 789033 D02 v02r01 – Section C

#### Test Settings

1. The signal analyzers' automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to  $X = 6$ . The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 100 kHz
3. VBW  $\geq 3 \times$  RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple

#### Test Setup

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



**Figure 7-2. Test Instrument & Measurement Setup**

#### Test Notes

1. All antenna configurations were investigated and only the worst case is reported
2. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's were reported.
3. Low, mid, and high channels were tested and tabular data has been reported. Only mid channel bandwidth plots have been reported.

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
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| Test Report S/N:<br>1C2311270064-25-R1.BCG | Test Dates:<br>11/28/2023 - 3/05/2024                                               | EUT Type:<br>Tablet Device            | Page 50 of 448                    |

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## Antenna 3c 6dB & 99% Bandwidth Measurements

|        | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps] | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-------------|---------|----------|------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | ax (20MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 18.11                                 | 2.12                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 4        | 12.5/14.7 MCS11  | 17.13                                 | 2.71                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 8        | 12.5/14.7 MCS11  | 18.24                                 | 2.09                         | 0.50                        | Pass        |
|        | 5785            | 157     | ax (20MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 18.11                                 | 2.09                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 4        | 12.5/14.7 MCS11  | 17.12                                 | 2.72                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 8        | 12.5/14.7 MCS11  | 18.20                                 | 2.10                         | 0.50                        | Pass        |
|        | 5825            | 165     | ax (20MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 18.11                                 | 2.10                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 4        | 12.5/14.7 MCS11  | 17.15                                 | 2.71                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 8        | 12.5/14.7 MCS11  | 18.22                                 | 2.11                         | 0.50                        | Pass        |
|        | 5755            | 151     | ax (40MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 17.87                                 | 2.15                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 8        | 12.5/14.7 MCS11  | 18.86                                 | 2.16                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 17       | 12.5/14.7 MCS11  | 17.97                                 | 2.18                         | 0.50                        | Pass        |
|        | 5795            | 159     | ax (40MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 17.83                                 | 2.13                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 8        | 12.5/14.7 MCS11  | 18.79                                 | 2.09                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 17       | 12.5/14.7 MCS11  | 17.96                                 | 2.14                         | 0.50                        | Pass        |
|        | 5775            | 155     | ax (80MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 17.78                                 | 2.26                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 18       | 12.5/14.7 MCS11  | 36.77                                 | 2.92                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 36       | 12.5/14.7 MCS11  | 17.95                                 | 2.18                         | 0.50                        | Pass        |

Table 7-11. Conducted Bandwidth Measurements Antenna 3c (RU26)

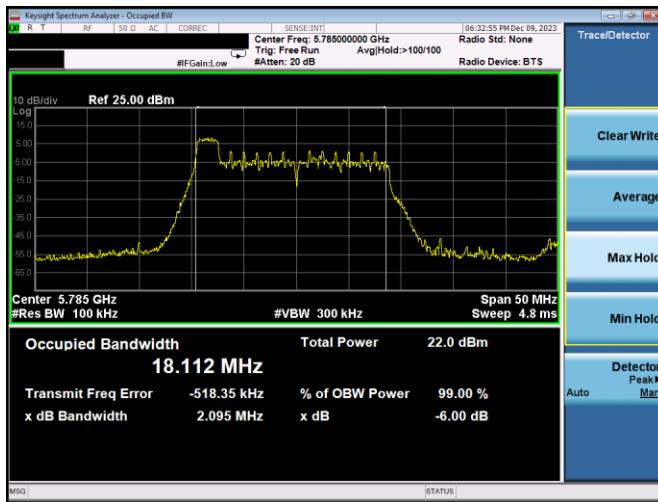
|        | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]  | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-------------|---------|----------|-------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.00                                 | 19.11                        | 0.50                        | Pass        |
|        | 5785            | 157     | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.00                                 | 19.14                        | 0.50                        | Pass        |
|        | 5825            | 165     | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 18.99                                 | 19.15                        | 0.50                        | Pass        |
|        | 5755            | 151     | ax (40MHz)  | 484     | 65       | 243.8/286.8 MCS11 | 37.90                                 | 38.24                        | 0.50                        | Pass        |
|        | 5795            | 159     | ax (40MHz)  | 484     | 65       | 243.8/286.8 MCS11 | 37.86                                 | 38.23                        | 0.50                        | Pass        |
|        | 5775            | 155     | ax (80MHz)  | 996     | 67       | 510.4/600.5 MCS11 | 77.04                                 | 78.08                        | 0.50                        | Pass        |

Table 7-12. Conducted Bandwidth Measurements Antenna 3c (Fully- loaded RU)

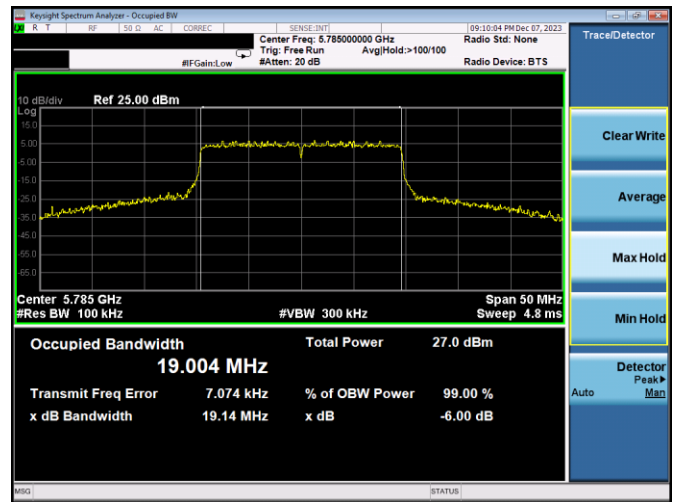
|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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| Test Report S/N:<br>1C2311270064-25-R1.BCG | Test Dates:<br>11/28/2023 - 3/05/2024                                                                                             | EUT Type:<br>Tablet Device | Page 51 of 448                    |

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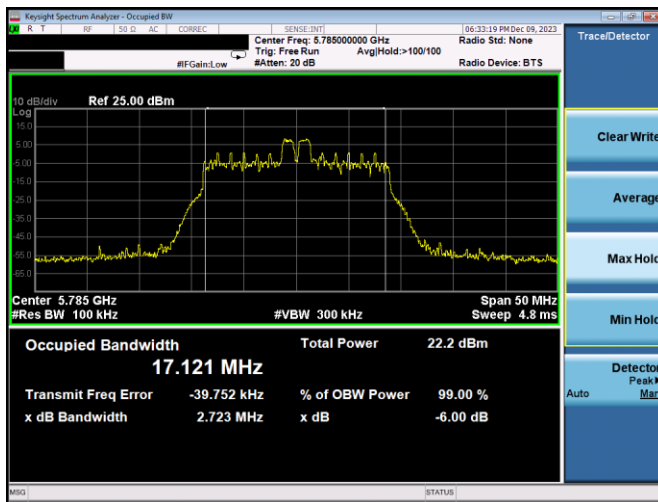
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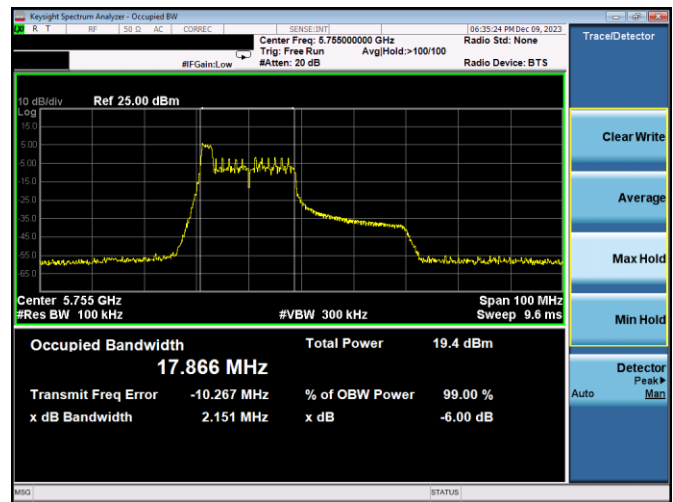
Plot 7-133. 6dB BW & 99% OBW Antenna 3c (20MHz BW 11ax Index 0 – RU26 – Ch.157)



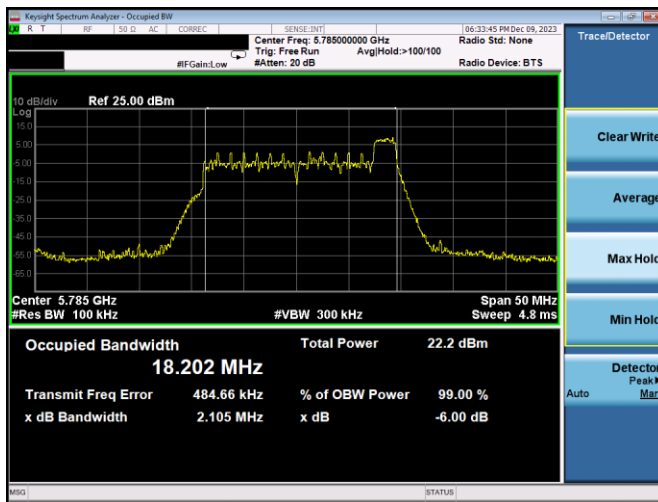
Plot 7-136. 6dB BW & 99% OBW Antenna 3c (20MHz BW 11ax – RU242 – Ch.157)



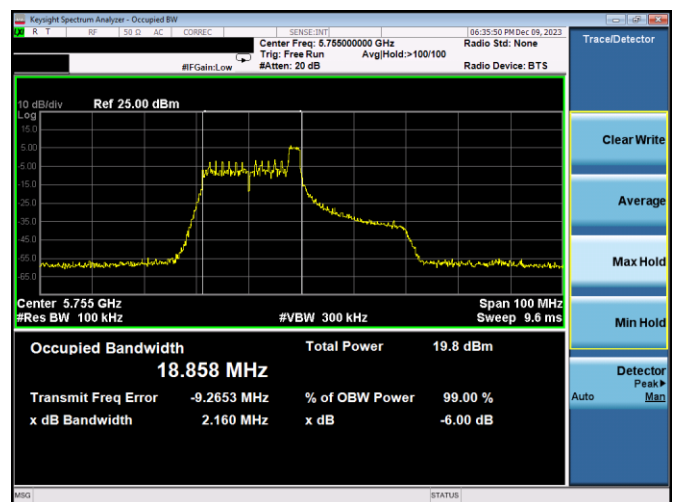
Plot 7-134. 6dB BW & 99% OBW Antenna 3c (20MHz BW 11ax Index 4 – RU26 – Ch.157)



Plot 7-137. 6dB BW & 99% OBW Antenna 3c (40MHz BW 11ax Index 0 – RU26 – Ch.151)



Plot 7-135. 6dB BW & 99% OBW Antenna 3c (20MHz BW 11ax Index 8 – RU26 – Ch.157)

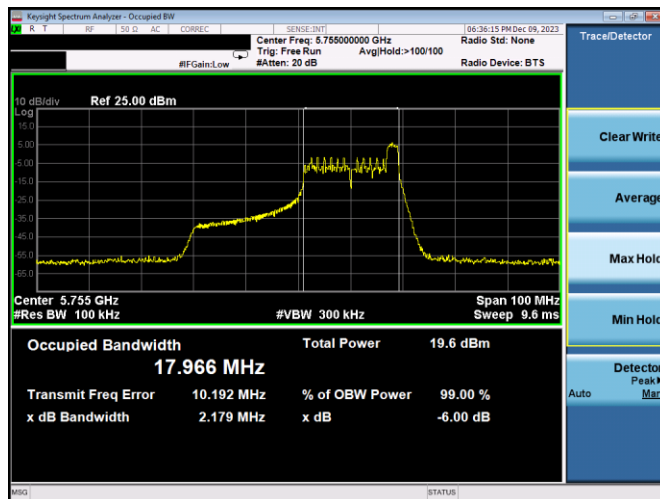


Plot 7-138. 6dB BW & 99% OBW Antenna 3c (40MHz BW 11ax Index 8 – RU26 – Ch.151)

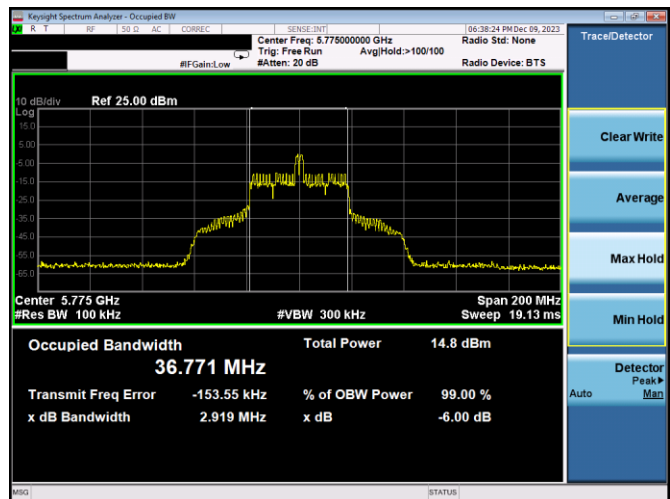
|                                            |                                                                                     |                            |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903         |  |                            | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
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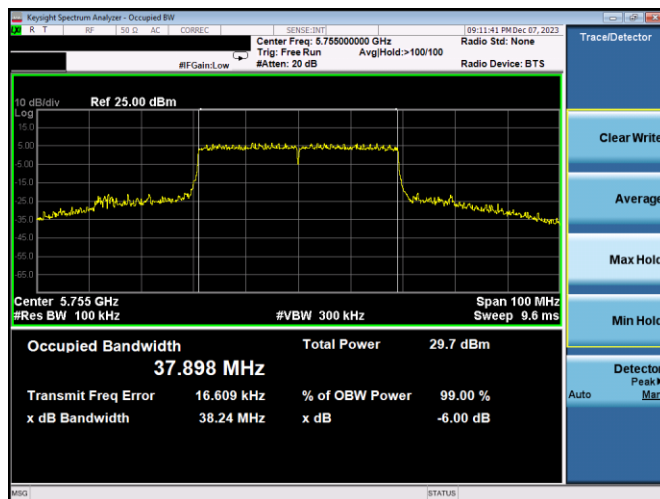
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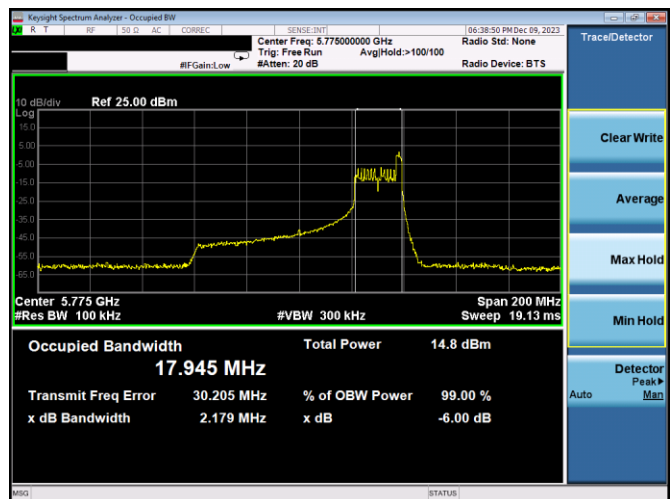
Plot 7-139. 6dB BW & 99% OBW Antenna 3c (40MHz BW 11ax Index 17 – RU26 – Ch.151)



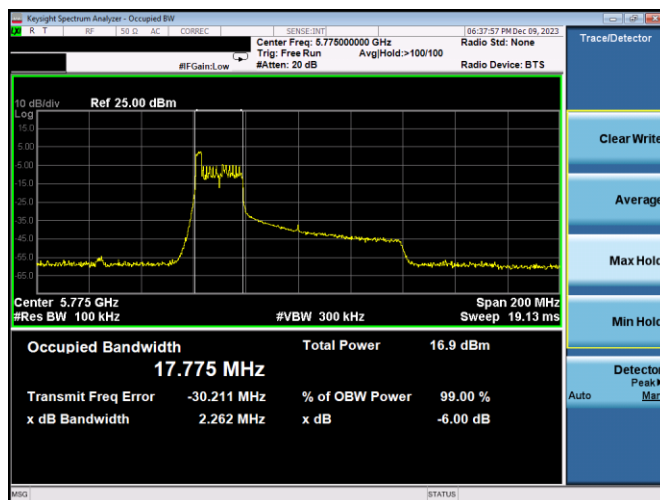
Plot 7-142. 6dB BW & 99% OBW Antenna 3c (80MHz BW 11ax Index 18 – RU26 – Ch.155)



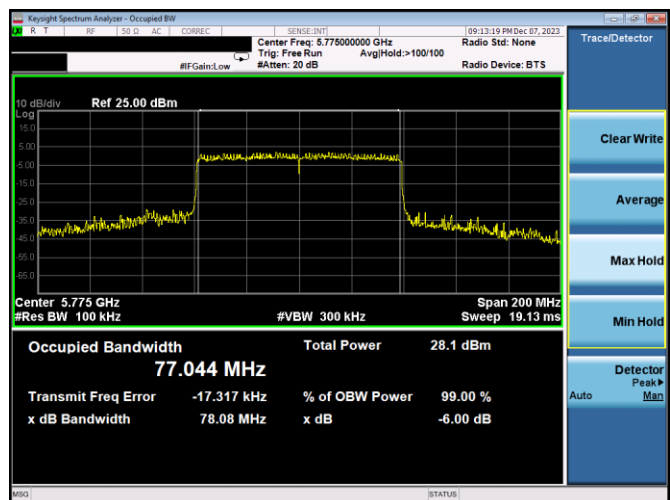
Plot 7-140. 6dB BW & 99% OBW Antenna 3c (40MHz BW 11ax – RU484 – Ch.151)



Plot 7-143. 6dB BW & 99% OBW Antenna 3c (80MHz BW 11ax Index 36 – RU26 – Ch.155)



Plot 7-141. 6dB BW & 99% OBW Antenna 3c (80MHz BW 11ax Index 0 – RU26 – Ch.155)



Plot 7-144. 6dB BW & 99% OBW Antenna 3c (80MHz BW 11ax – RU996 – Ch.155)

|                                            |                                                                                     |                            |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903         |  |                            | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-25-R1.BCG | Test Dates:<br>11/28/2023 - 3/05/2024                                               | EUT Type:<br>Tablet Device | Page 53 of 448                        |                                   |

## Antenna 3a 6dB & 99% Bandwidth Measurements

|        | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps] | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-------------|---------|----------|------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | ax (20MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 18.10                                 | 2.09                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 4        | 12.5/14.7 MCS11  | 17.11                                 | 2.71                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 8        | 12.5/14.7 MCS11  | 18.19                                 | 2.09                         | 0.50                        | Pass        |
|        | 5785            | 157     | ax (20MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 18.09                                 | 2.08                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 4        | 12.5/14.7 MCS11  | 17.11                                 | 2.72                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 8        | 12.5/14.7 MCS11  | 18.20                                 | 2.10                         | 0.50                        | Pass        |
|        | 5825            | 165     | ax (20MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 18.11                                 | 2.09                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 4        | 12.5/14.7 MCS11  | 17.14                                 | 2.72                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 8        | 12.5/14.7 MCS11  | 18.23                                 | 2.11                         | 0.50                        | Pass        |
|        | 5755            | 151     | ax (40MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 17.81                                 | 2.15                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 8        | 12.5/14.7 MCS11  | 18.77                                 | 2.13                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 17       | 12.5/14.7 MCS11  | 17.99                                 | 2.09                         | 0.50                        | Pass        |
|        | 5795            | 159     | ax (40MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 17.87                                 | 2.16                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 8        | 12.5/14.7 MCS11  | 18.83                                 | 2.15                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 17       | 12.5/14.7 MCS11  | 17.98                                 | 2.15                         | 0.50                        | Pass        |
|        | 5775            | 155     | ax (80MHz)  | 26      | 0        | 12.5/14.7 MCS11  | 17.81                                 | 2.28                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 18       | 12.5/14.7 MCS11  | 36.83                                 | 2.93                         | 0.50                        | Pass        |
|        |                 |         |             | 26      | 36       | 12.5/14.7 MCS11  | 17.99                                 | 2.22                         | 0.50                        | Pass        |

Table 7-13. Conducted Bandwidth Measurements Antenna 3a (RU26)

|        | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]  | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-------------|---------|----------|-------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.01                                 | 19.16                        | 0.50                        | Pass        |
|        | 5785            | 157     | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 18.99                                 | 19.11                        | 0.50                        | Pass        |
|        | 5825            | 165     | ax (20MHz)  | 242     | 61       | 121.9/143.4 MCS11 | 19.01                                 | 19.14                        | 0.50                        | Pass        |
|        | 5755            | 151     | ax (40MHz)  | 484     | 65       | 243.8/286.8 MCS11 | 37.89                                 | 38.24                        | 0.50                        | Pass        |
|        | 5795            | 159     | ax (40MHz)  | 484     | 65       | 243.8/286.8 MCS11 | 37.87                                 | 38.25                        | 0.50                        | Pass        |
|        | 5775            | 155     | ax (80MHz)  | 996     | 67       | 510.4/600.5 MCS11 | 76.98                                 | 77.92                        | 0.50                        | Pass        |

Table 7-14. Conducted Bandwidth Measurements Antenna 3a (Fully-loaded RU)

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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