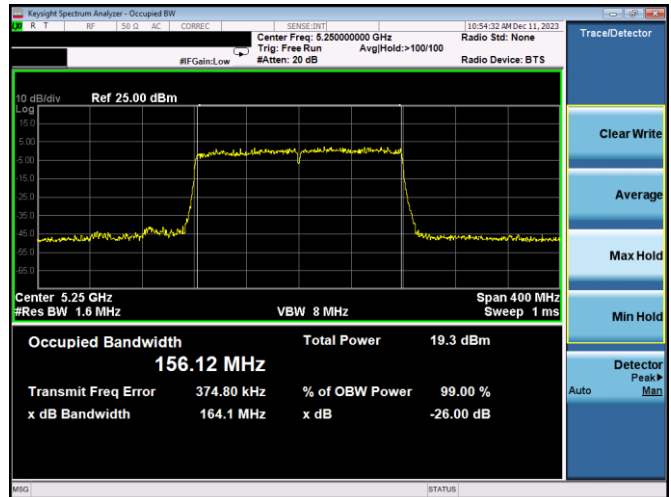
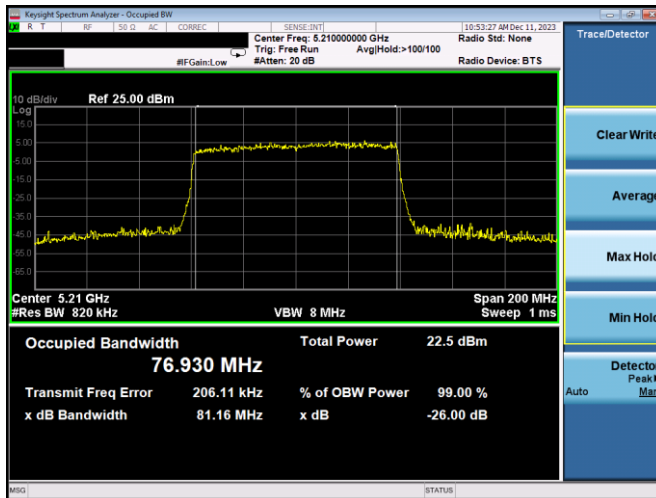




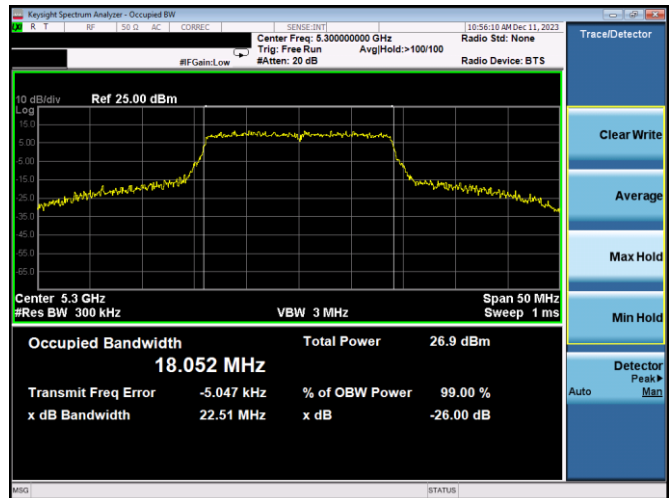
Plot 7-181. 26dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ac – Ch. 42, MCS9)



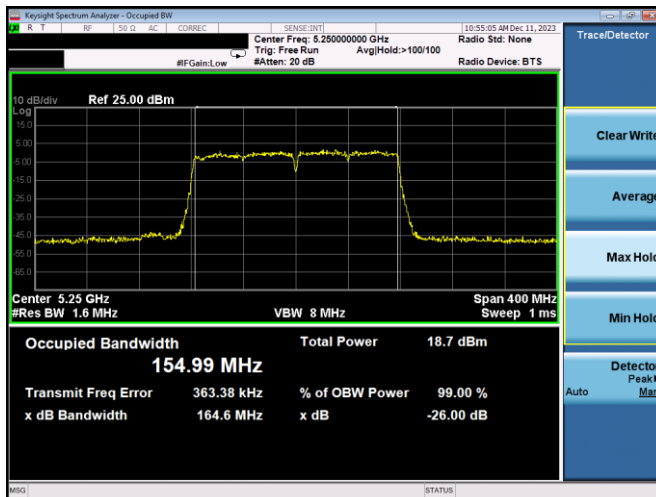
Plot 7-184. 26dB BW & 99% OBW Antenna 1b (160MHz BW 802.11ac – Ch. 50, MCS11)



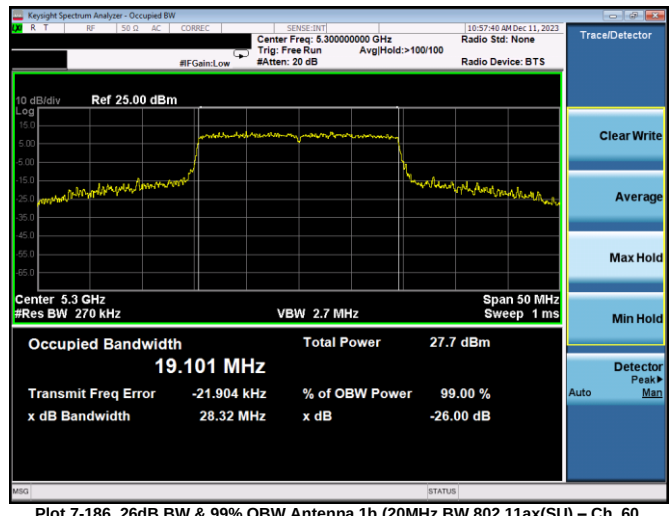
Plot 7-182. 26dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ax(SU) – Ch. 42, MCS11)



Plot 7-185. 26dB BW & 99% OBW Antenna 1b (20MHz BW 802.11n – Ch. 60, MCS7)



Plot 7-183. 26dB BW & 99% OBW Antenna 1b (160MHz BW 802.11ac – Ch. 50, MCS9)

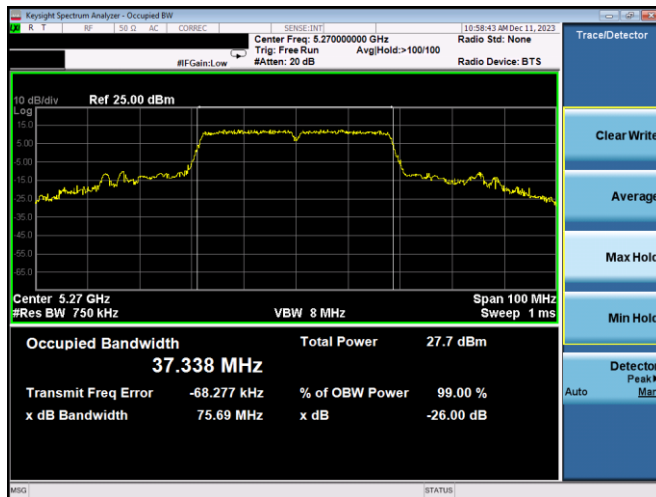


Plot 7-186. 26dB BW & 99% OBW Antenna 1b (20MHz BW 802.11ax(SU) – Ch. 60, MCS11)

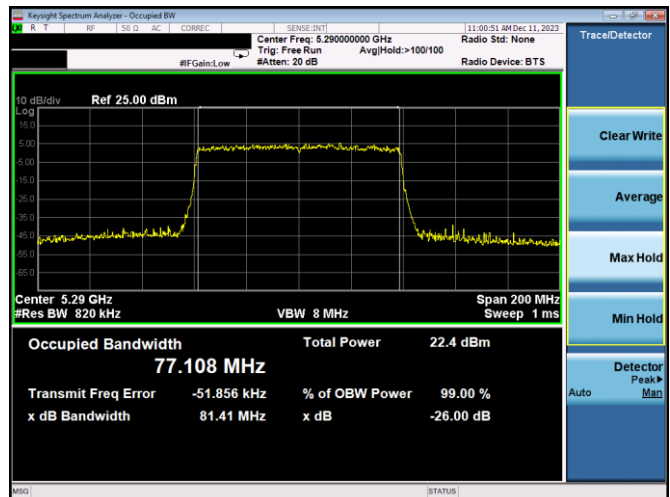
|                                         |                                                                                                                                   |                            |                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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| Test Report S/N:<br>1C2311270064-24.BCG | Test Dates:<br>11/28/2023 - 01/15/2024                                                                                            | EUT Type:<br>Tablet Device | Page 61 of 597                    |

V 10.6 9/14/2023

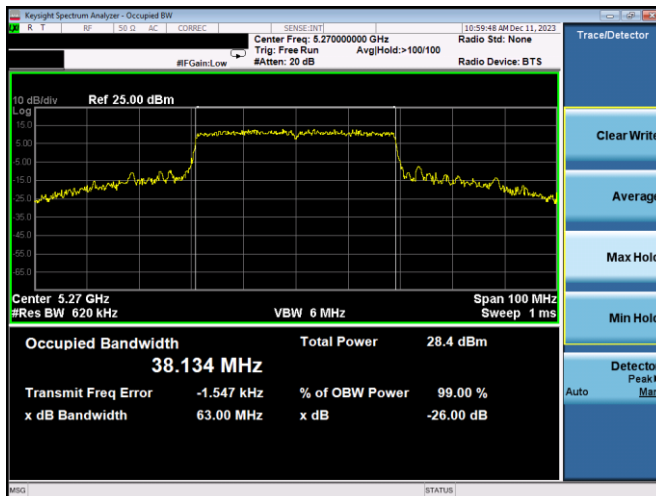
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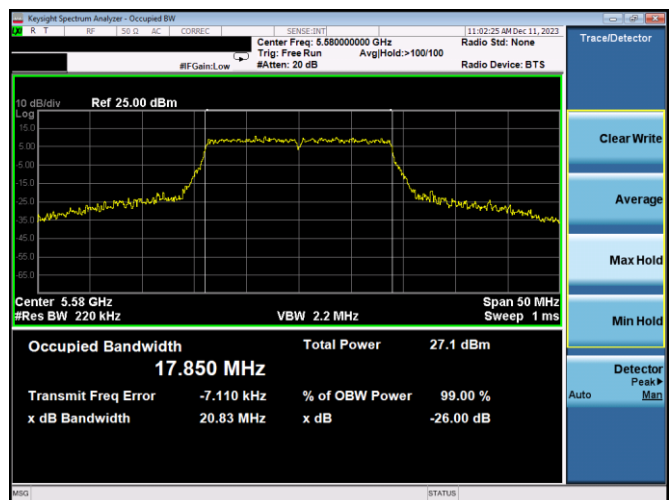
Plot 7-187. 26dB BW & 99% OBW Antenna 1b (40MHz BW 802.11n – Ch. 54, MCS7)



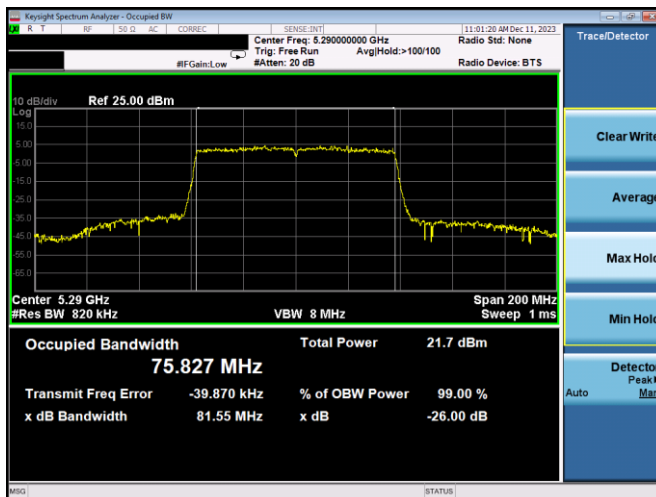
Plot 7-190. 26dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ax(SU) – Ch. 58, MCS11)



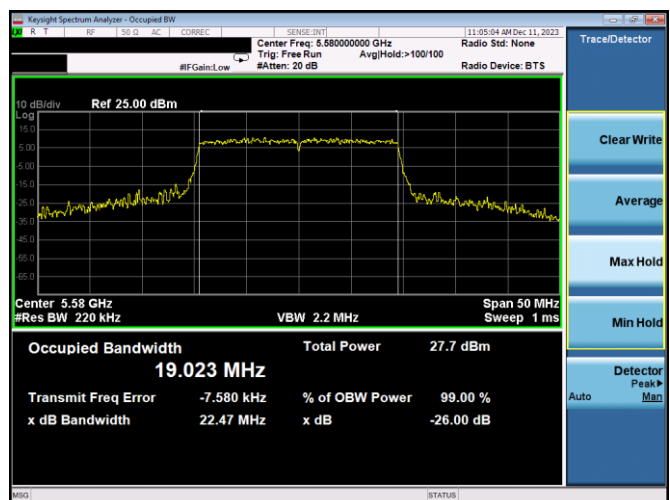
Plot 7-188. 26dB BW & 99% OBW Antenna 1b (40MHz BW 802.11ax(SU) – Ch. 54, MCS11)



Plot 7-191. 26dB BW & 99% OBW Antenna 1b (20MHz BW 802.11n – Ch. 116, MCS7)



Plot 7-189. 26dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ac – Ch. 58, MCS9)

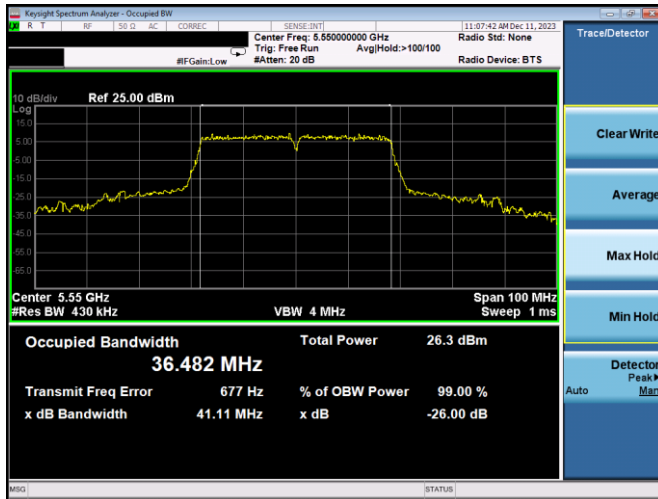


Plot 7-192. 26dB BW & 99% OBW Antenna 1b (20MHz BW 802.11ax(SU) – Ch. 116, MCS11)

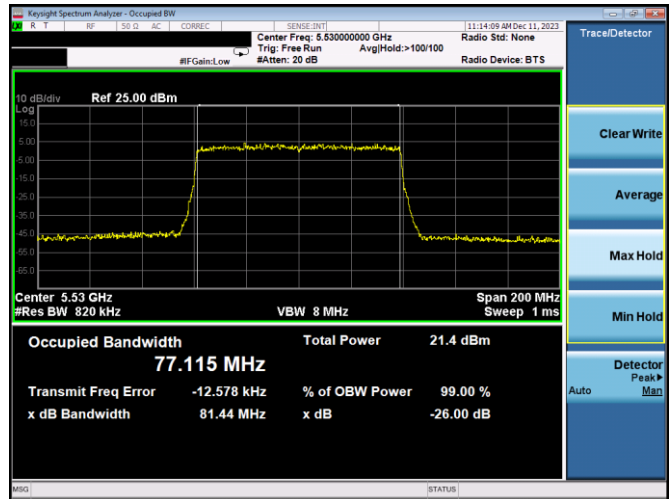
|                                         |                                                                                                                                  |                            |                                   |
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| Test Report S/N:<br>1C2311270064-24.BCG | Test Dates:<br>11/28/2023 - 01/15/2024                                                                                           | EUT Type:<br>Tablet Device | Page 62 of 597                    |

V 10.6 9/14/2023

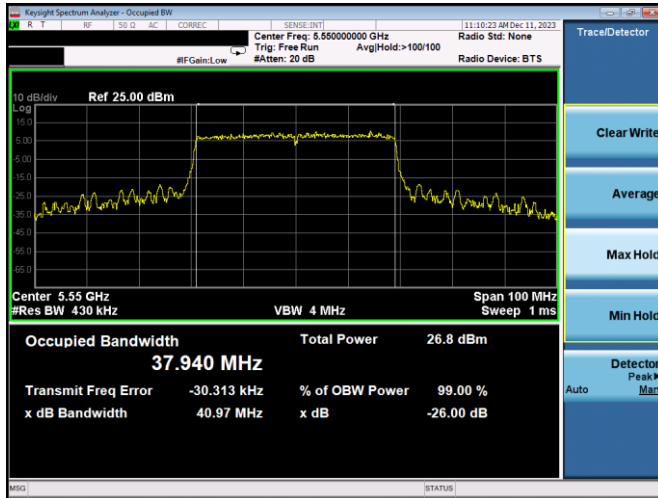
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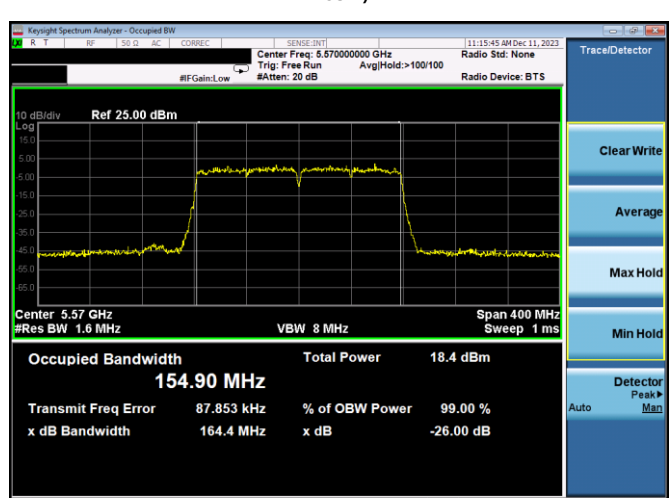
Plot 7-193. 26dB BW & 99% OBW Antenna 1b (40MHz BW 802.11n – Ch. 110) , MCS7)



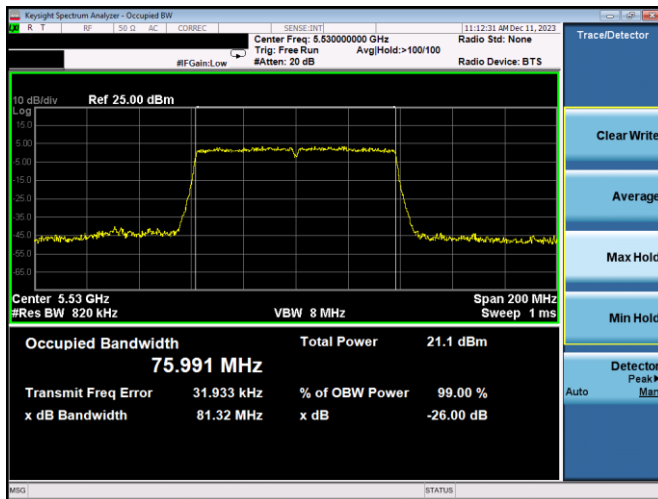
Plot 7-196. 26dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ax(SU) – Ch. 106, MCS11)



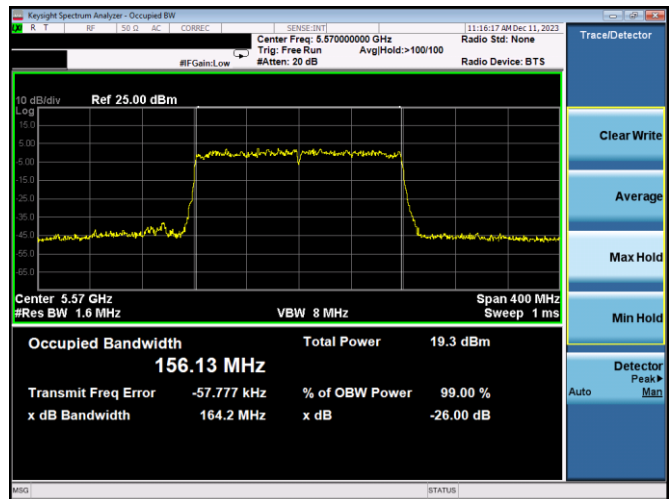
Plot 7-194. 26dB BW & 99% OBW Antenna 1b (40MHz BW 802.11ax(SU) – Ch. 110, MCS11)



Plot 7-197. 26dB BW & 99% OBW Antenna 1b (160MHz BW 802.11ac – Ch. 114, MCS9)



Plot 7-195. 26dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ac – Ch. 106, MCS9)



Plot 7-198. 26dB BW & 99% OBW Antenna 1b (160MHz BW 802.11ac – Ch. 114, MCS11)

|                                         |                                                                                                                           |                            |                                   |
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V 10.6 9/14/2023

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## 7.3 6dB & 99% Bandwidth Measurement – 802.11a/n/ac/ax(SU)

§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 – Section 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 and data rates were investigated and only the worst case are reported.
2. The data rates have been classified into three different groups; Low Data Rate, middle rate, and High Data Rate. All three data rate groups of data rate have been investigated and only the worst case data rate per group is 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>1C2311270064-24.BCG | Test Dates:<br>11/28/2023 - 01/15/2024                                              | EUT Type:<br>Tablet Device            | Page 64 of 597                    |

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

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps] | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 19.5/21.7 (MCS2) | 17.62                                 | 16.97                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | 19.5/21.7 (MCS2) | 17.61                                 | 17.55                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | 19.5/21.7 (MCS2) | 17.62                                 | 17.57                        | 0.50                        | Pass        |
|        | 5745            | 149     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 18.96                                 | 19.07                        | 0.50                        | Pass        |
|        | 5785            | 157     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 18.94                                 | 19.08                        | 0.50                        | Pass        |
|        | 5825            | 165     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 18.95                                 | 19.06                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | 40/40.5 (MCS2)   | 36.04                                 | 36.13                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | 40/40.5 (MCS2)   | 36.08                                 | 36.14                        | 0.50                        | Pass        |
|        | 5755            | 151     | ax (SU) (40MHz) | 49/51.6 (MCS2)   | 37.83                                 | 38.20                        | 0.50                        | Pass        |
|        | 5795            | 159     | ax (SU) (40MHz) | 49/51.6 (MCS2)   | 37.86                                 | 38.22                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | 87.8/97.5 (MCS2) | 75.31                                 | 75.57                        | 0.50                        | Pass        |
|        | 5775            | 155     | ax (SU) (80MHz) | 102/108.1 (MCS2) | 76.99                                 | 77.85                        | 0.50                        | Pass        |

Table 7-11. Conducted Bandwidth Measurements Antenna 3c (Low Data Rate)

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps] | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 39/43.3 (MCS4)   | 17.62                                 | 17.67                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | 39/43.3 (MCS4)   | 17.64                                 | 17.72                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | 39/43.3 (MCS4)   | 17.63                                 | 17.66                        | 0.50                        | Pass        |
|        | 5745            | 149     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 18.97                                 | 19.10                        | 0.50                        | Pass        |
|        | 5785            | 157     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 18.99                                 | 19.14                        | 0.50                        | Pass        |
|        | 5825            | 165     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 18.96                                 | 19.11                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | 81/90 (MCS4)     | 36.15                                 | 36.47                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | 81/90 (MCS4)     | 36.09                                 | 36.44                        | 0.50                        | Pass        |
|        | 5755            | 151     | ax (SU) (40MHz) | 98/103.2 (MCS4)  | 37.85                                 | 38.23                        | 0.50                        | Pass        |
|        | 5795            | 159     | ax (SU) (40MHz) | 98/103.2 (MCS4)  | 37.85                                 | 38.21                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | 175.5/195 (MCS4) | 75.33                                 | 76.13                        | 0.50                        | Pass        |
|        | 5775            | 155     | ax (SU) (80MHz) | 204/216.2 (MCS4) | 77.13                                 | 78.13                        | 0.50                        | Pass        |

Table 7-12. Conducted Bandwidth Measurements Antenna 3c (Mid Data Rate)

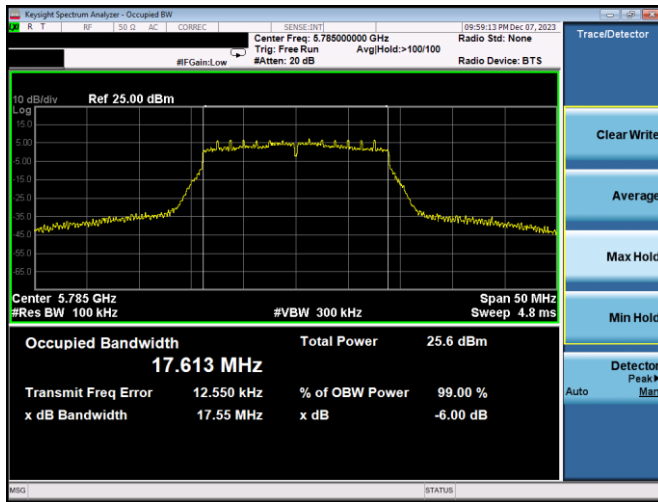
|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps]  | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|-------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 65/72.2 (MCS7)    | 17.72                                 | 17.78                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | 65/72.2 (MCS7)    | 17.71                                 | 17.78                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | 65/72.2 (MCS7)    | 17.71                                 | 17.78                        | 0.50                        | Pass        |
|        | 5745            | 149     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 19.01                                 | 19.14                        | 0.50                        | Pass        |
|        | 5785            | 157     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 18.98                                 | 19.11                        | 0.50                        | Pass        |
|        | 5825            | 165     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 18.98                                 | 19.10                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | 135/150 (MCS7)    | 36.31                                 | 36.57                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | 135/150 (MCS7)    | 36.27                                 | 36.54                        | 0.50                        | Pass        |
|        | 5755            | 151     | ax (SU) (40MHz) | 271/286 (MCS11)   | 37.86                                 | 38.23                        | 0.50                        | Pass        |
|        | 5795            | 159     | ax (SU) (40MHz) | 271/286 (MCS11)   | 37.87                                 | 38.24                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | 390/433.3 (MCS9)  | 75.63                                 | 76.52                        | 0.50                        | Pass        |
|        | 5775            | 155     | ax (SU) (80MHz) | 567/600.5 (MCS11) | 76.90                                 | 77.76                        | 0.50                        | Pass        |

Table 7-13. Conducted Bandwidth Measurements Antenna 3c (High Data Rate)

|                                         |                                                                                                                                   |                            |                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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V 10.6 9/14/2023

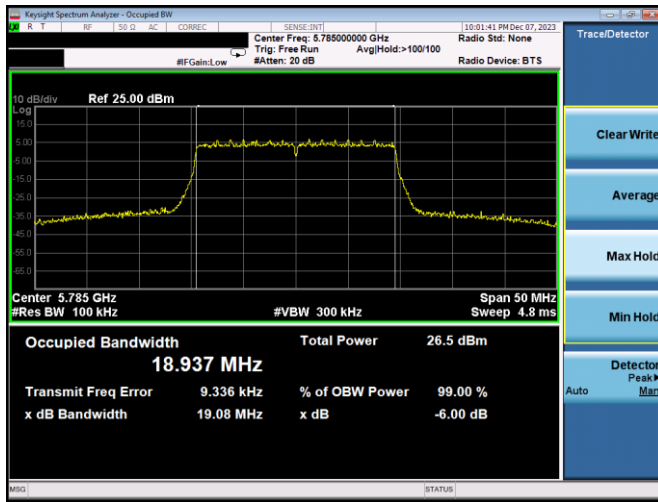
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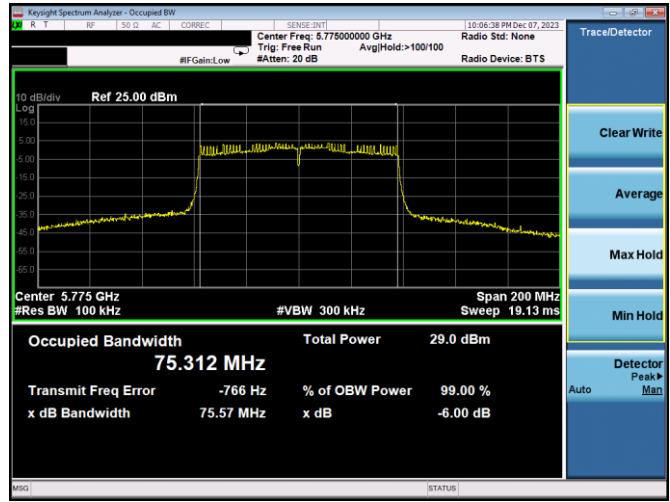
Plot 7-199. 6dB BW & 99% OBW Antenna 3c (20MHz BW 802.11n – Ch. 157, MCS2)



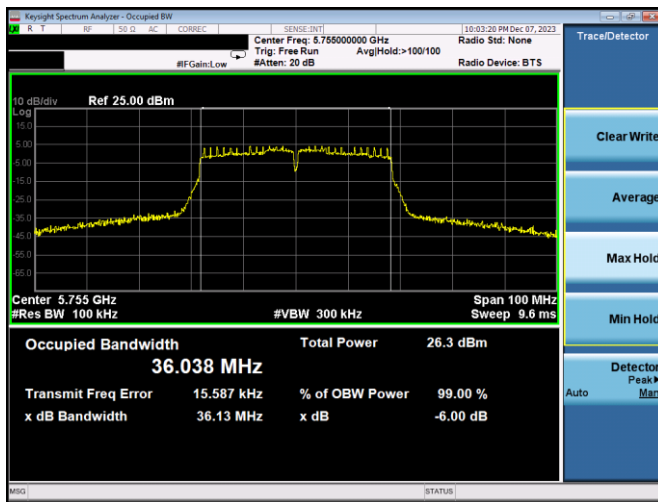
Plot 7-202. 6dB BW & 99% OBW Antenna 3c (40MHz BW 802.11ax(SU) – Ch. 151, MCS2)



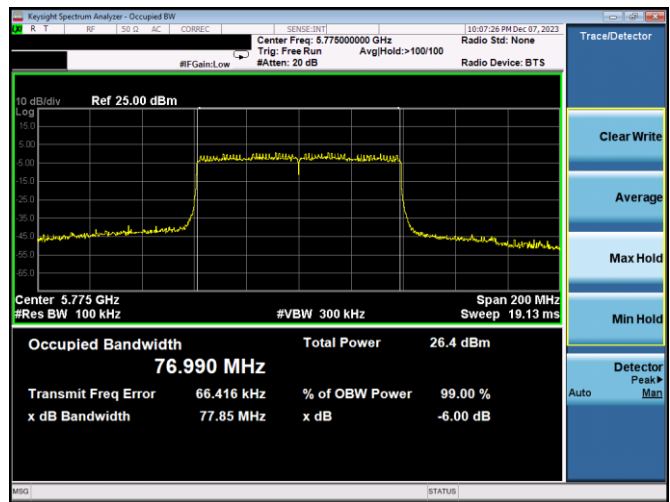
Plot 7-200. 6dB BW & 99% OBW Antenna 3c (20MHz BW 802.11ax(SU) – Ch. 157, MCS2)



Plot 7-203. 6dB BW & 99% OBW Antenna 3c (80MHz BW 802.11ac – Ch. 155, MCS2)



Plot 7-201. 6dB BW & 99% OBW Antenna 3c (40MHz BW 802.11n – Ch. 151, MCS2)



Plot 7-204. 6dB BW & 99% OBW Antenna 3c (80MHz BW 802.11ax(SU) – Ch. 155, MCS2)

|                                         |                                                                                     |                                       |                                   |
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V 10.6 9/14/2023

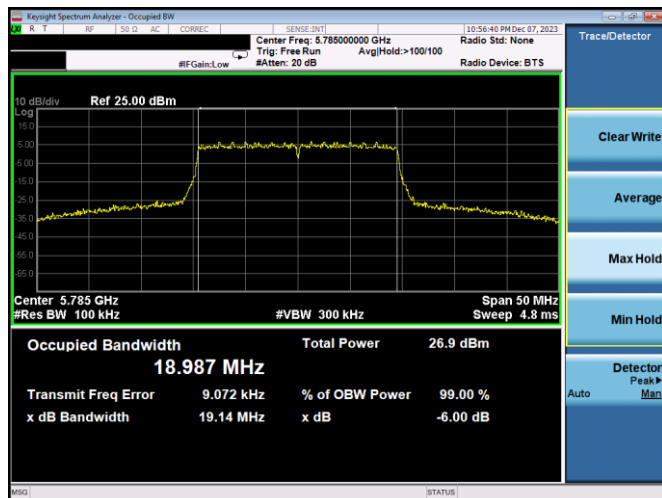
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Plot 7-205. 6dB BW & 99% OBW Antenna 3c (20MHz BW 802.11n – Ch. 157, MCS4)



Plot 7-208. 6dB BW & 99% OBW Antenna 3c (40MHz BW 802.11ax(SU) – Ch. 151, MCS4)



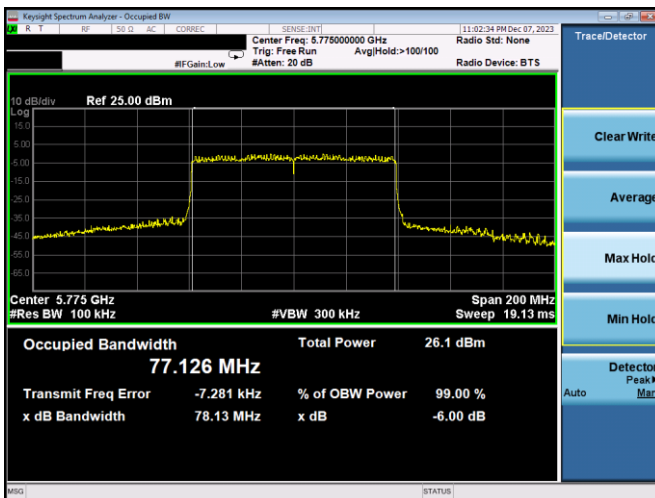
Plot 7-206. 6dB BW & 99% OBW Antenna 3c (20MHz BW 802.11ax(SU) – Ch. 157, MCS4)



Plot 7-209. 6dB BW & 99% OBW Antenna 3c (80MHz BW 802.11ac – Ch. 155, MCS4)



Plot 7-207. 6dB BW & 99% OBW Antenna 3c (40MHz BW 802.11n – Ch. 151, MCS4)

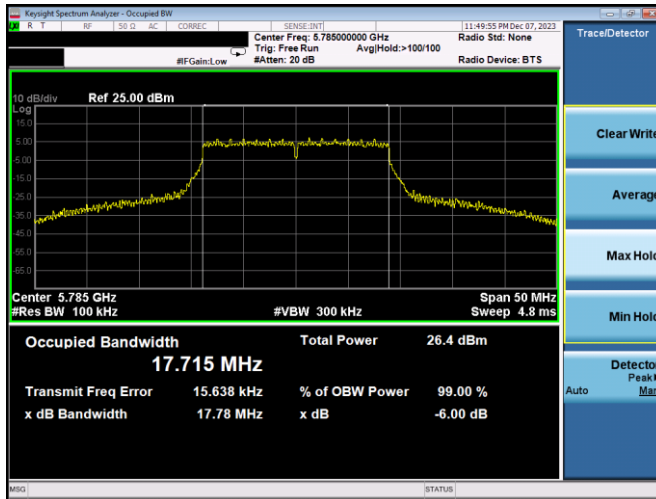


Plot 7-210. 6dB BW & 99% OBW Antenna 3c (80MHz BW 802.11ax(SU) – Ch. 155, MCS4)

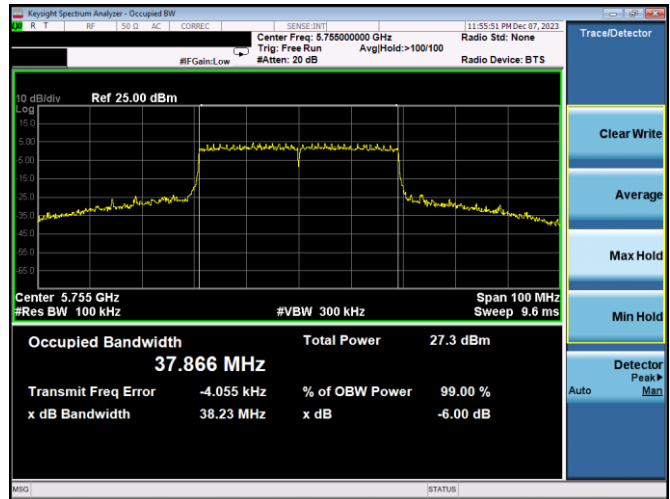
|                                         |                                                                                                                                  |                            |                                   |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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V 10.6 9/14/2023

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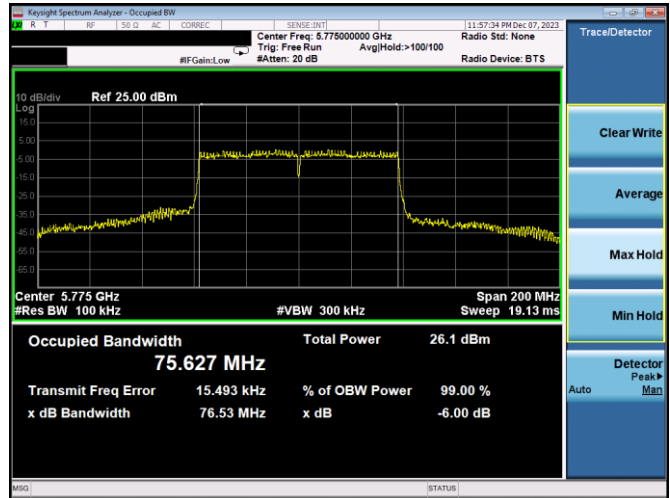
Plot 7-211. 6dB BW & 99% OBW Antenna 3c (20MHz BW 802.11n – Ch. 157, MCS7)



Plot 7-214. 6dB BW & 99% OBW Antenna 3c (40MHz BW 802.11ax(SU) – Ch. 151, MCS11)



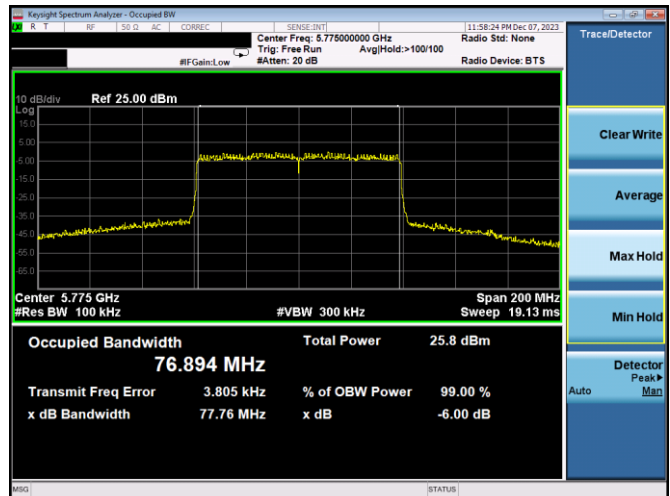
Plot 7-212. 6dB BW & 99% OBW Antenna 3c (20MHz BW 802.11ax(SU) – Ch. 157, MCS11)



Plot 7-215. 6dB BW & 99% OBW Antenna 3c (80MHz BW 802.11ac – Ch. 155, MCS9)



Plot 7-213. 6dB BW & 99% OBW Antenna 3c (40MHz BW 802.11n – Ch. 151, MCS7)



Plot 7-216. 6dB BW & 99% OBW Antenna 3c (80MHz BW 802.11ax(SU) – Ch. 155, MCS11)

|                                         |                                                                                     |                            |                                       |                                   |
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| Test Report S/N:<br>1C2311270064-24.BCG | Test Dates:<br>11/28/2023 - 01/15/2024                                              | EUT Type:<br>Tablet Device | Page 68 of 597                        |                                   |

V 10.6 9/14/2023

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

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps] | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 19.5/21.7 (MCS2) | 17.62                                 | 17.00                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | 19.5/21.7 (MCS2) | 17.62                                 | 16.95                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | 19.5/21.7 (MCS2) | 17.62                                 | 17.28                        | 0.50                        | Pass        |
|        | 5745            | 149     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 18.96                                 | 19.09                        | 0.50                        | Pass        |
|        | 5785            | 157     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 18.95                                 | 19.07                        | 0.50                        | Pass        |
|        | 5825            | 165     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 18.95                                 | 19.06                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | 40/40.5 (MCS2)   | 36.06                                 | 36.05                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | 40/40.5 (MCS2)   | 36.07                                 | 36.04                        | 0.50                        | Pass        |
|        | 5755            | 151     | ax (SU) (40MHz) | 49/51.6 (MCS2)   | 37.83                                 | 38.19                        | 0.50                        | Pass        |
|        | 5795            | 159     | ax (SU) (40MHz) | 49/51.6 (MCS2)   | 37.82                                 | 38.21                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | 87.8/97.5 (MCS2) | 75.36                                 | 75.68                        | 0.50                        | Pass        |
|        | 5775            | 155     | ax (SU) (80MHz) | 102/108.1 (MCS2) | 77.13                                 | 78.07                        | 0.50                        | Pass        |

Table 7-14. Conducted Bandwidth Measurements Antenna 3a (Low Data Rate)

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps] | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 39/43.3 (MCS4)   | 17.63                                 | 17.64                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | 39/43.3 (MCS4)   | 17.64                                 | 17.68                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | 39/43.3 (MCS4)   | 17.65                                 | 17.71                        | 0.50                        | Pass        |
|        | 5745            | 149     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 18.98                                 | 19.12                        | 0.50                        | Pass        |
|        | 5785            | 157     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 18.97                                 | 19.12                        | 0.50                        | Pass        |
|        | 5825            | 165     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 18.98                                 | 19.10                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | 81/90 (MCS4)     | 36.17                                 | 36.48                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | 81/90 (MCS4)     | 36.13                                 | 36.46                        | 0.50                        | Pass        |
|        | 5755            | 151     | ax (SU) (40MHz) | 98/103.2 (MCS4)  | 37.86                                 | 38.23                        | 0.50                        | Pass        |
|        | 5795            | 159     | ax (SU) (40MHz) | 98/103.2 (MCS4)  | 37.86                                 | 38.23                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | 175.5/195 (MCS4) | 75.40                                 | 76.03                        | 0.50                        | Pass        |
|        | 5775            | 155     | ax (SU) (80MHz) | 204/216.2 (MCS4) | 77.05                                 | 77.98                        | 0.50                        | Pass        |

Table 7-15. Conducted Bandwidth Measurements Antenna 3a (Mid Data Rate)

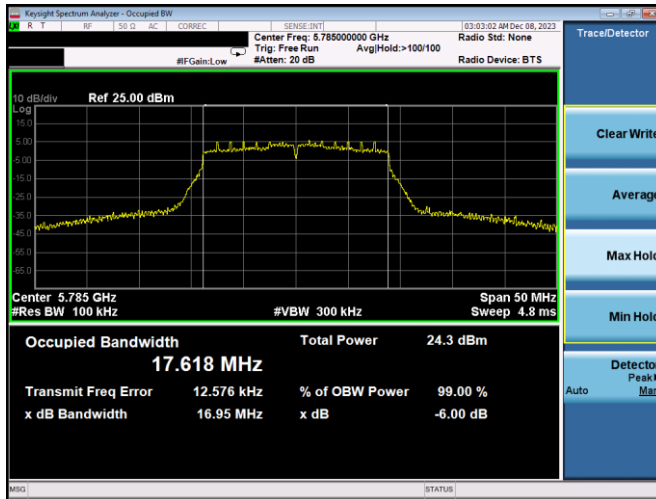
|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps]  | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|-------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 65/72.2 (MCS7)    | 17.71                                 | 17.78                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | 65/72.2 (MCS7)    | 17.71                                 | 17.76                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | 65/72.2 (MCS7)    | 17.72                                 | 17.76                        | 0.50                        | Pass        |
|        | 5745            | 149     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 19.00                                 | 19.12                        | 0.50                        | Pass        |
|        | 5785            | 157     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 19.00                                 | 19.11                        | 0.50                        | Pass        |
|        | 5825            | 165     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 19.00                                 | 19.11                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | 135/150 (MCS7)    | 36.32                                 | 36.57                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | 135/150 (MCS7)    | 36.31                                 | 36.57                        | 0.50                        | Pass        |
|        | 5755            | 151     | ax (SU) (40MHz) | 271/286 (MCS11)   | 37.88                                 | 38.26                        | 0.50                        | Pass        |
|        | 5795            | 159     | ax (SU) (40MHz) | 271/286 (MCS11)   | 37.85                                 | 38.20                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | 390/433.3 (MCS9)  | 75.63                                 | 76.44                        | 0.50                        | Pass        |
|        | 5775            | 155     | ax (SU) (80MHz) | 567/600.5 (MCS11) | 77.06                                 | 78.05                        | 0.50                        | Pass        |

Table 7-16. Conducted Bandwidth Measurements Antenna 3a (High Data Rate)

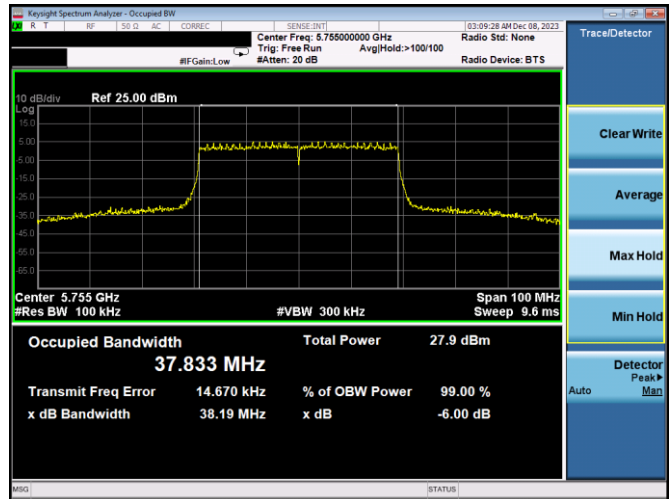
|                                         |                                                                                                                                   |                            |                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903      |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-24.BCG | Test Dates:<br>11/28/2023 - 01/15/2024                                                                                            | EUT Type:<br>Tablet Device | Page 69 of 597                    |

V 10.6 9/14/2023

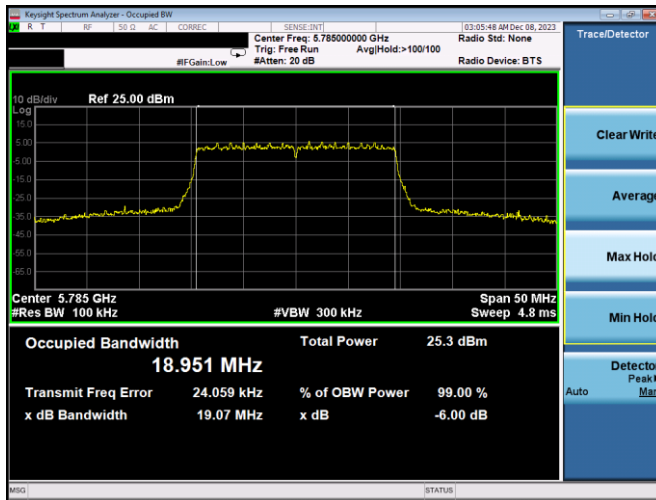
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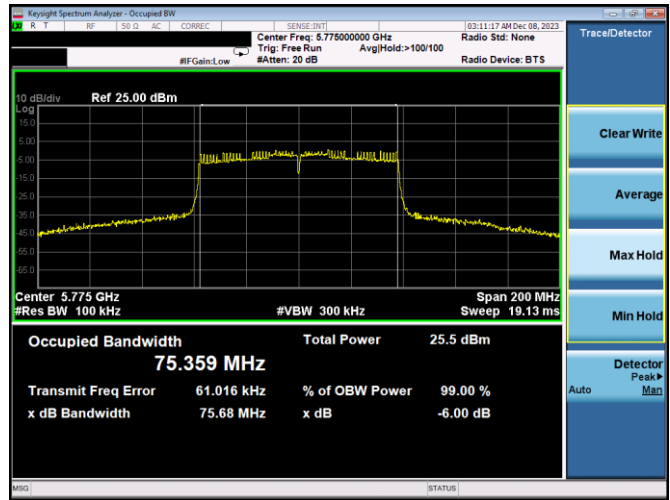
Plot 7-217. 6dB BW & 99% OBW Antenna 3a (20MHz BW 802.11n – Ch. 157, MCS2)



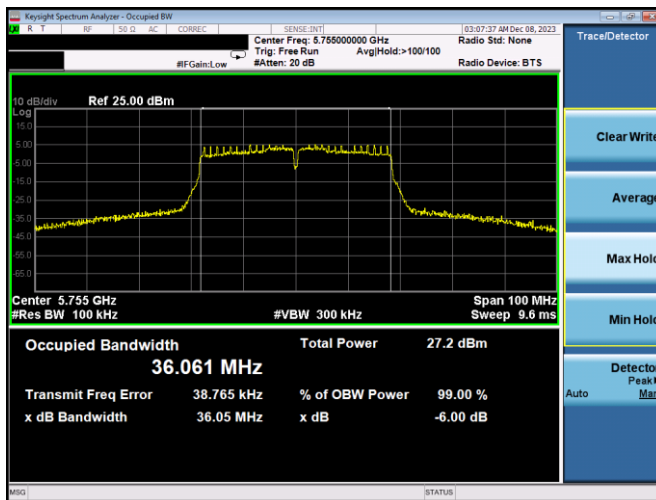
Plot 7-220. 6dB BW & 99% OBW Antenna 3a (40MHz BW 802.11ax(SU) – Ch. 151, MCS2)



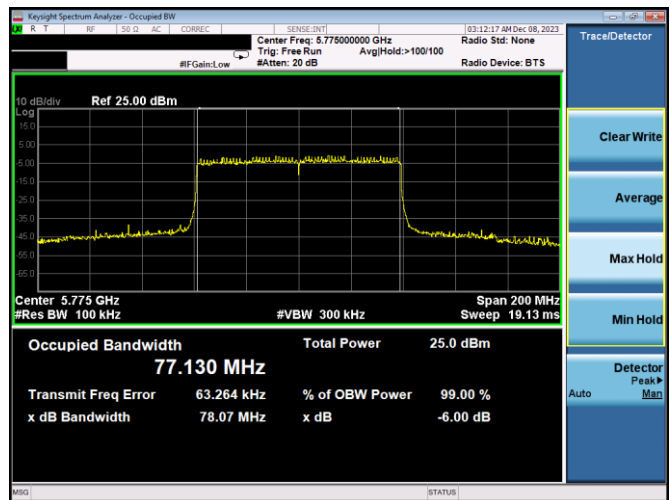
Plot 7-218. 6dB BW & 99% OBW Antenna 3a (20MHz BW 802.11ax(SU) – Ch. 157, MCS2)



Plot 7-221. 6dB BW & 99% OBW Antenna 3a (80MHz BW 802.11ac – Ch. 155, MCS2)



Plot 7-219. 6dB BW & 99% OBW Antenna 3a (40MHz BW 802.11n – Ch. 151, MCS2)



Plot 7-222. 6dB BW & 99% OBW Antenna 3a (80MHz BW 802.11ax(SU) – Ch. 155, MCS2)

|                                         |                                                                                     |                                       |                                   |
|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-24.BCG | Test Dates:<br>11/28/2023 - 01/15/2024                                              | EUT Type:<br>Tablet Device            | Page 70 of 597                    |

V 10.6 9/14/2023

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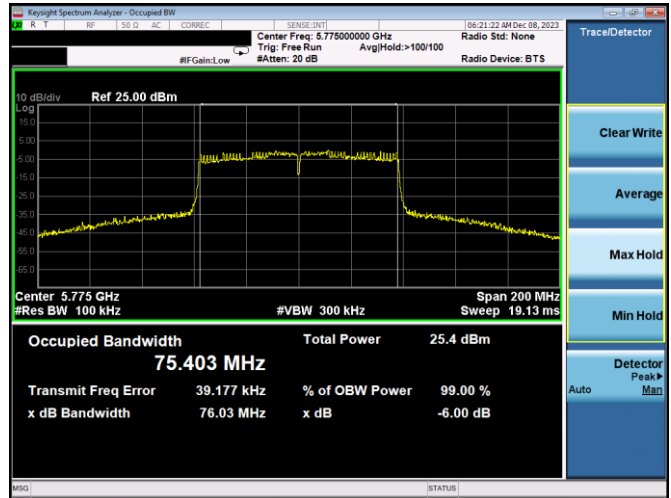
Plot 7-223. 6dB BW & 99% OBW Antenna 3a (20MHz BW 802.11n – Ch. 157, MCS4)



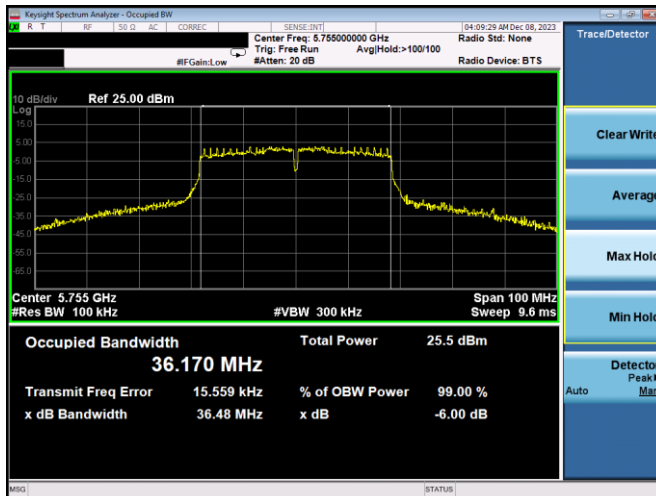
Plot 7-226. 6dB BW & 99% OBW Antenna 3a (40MHz BW 802.11ax(SU) – Ch. 151, MCS4)



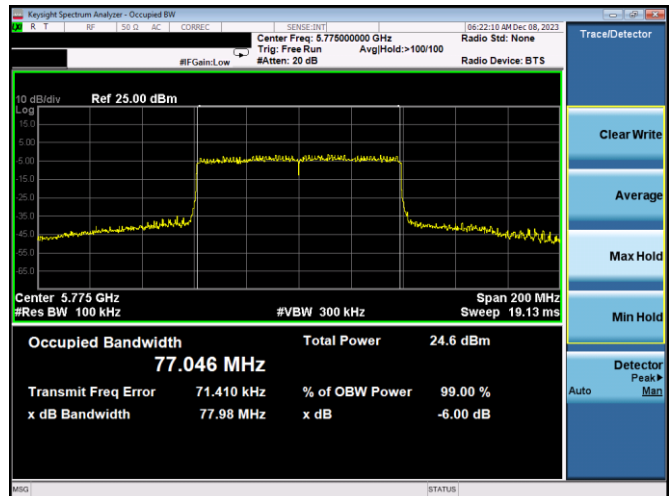
Plot 7-224. 6dB BW & 99% OBW Antenna 3a (20MHz BW 802.11ax(SU) – Ch. 157, MCS4)



Plot 7-227. 6dB BW & 99% OBW Antenna 3a (80MHz BW 802.11ac – Ch. 155, MCS4)



Plot 7-225. 6dB BW & 99% OBW Antenna 3a (40MHz BW 802.11n – Ch. 151, MCS4)

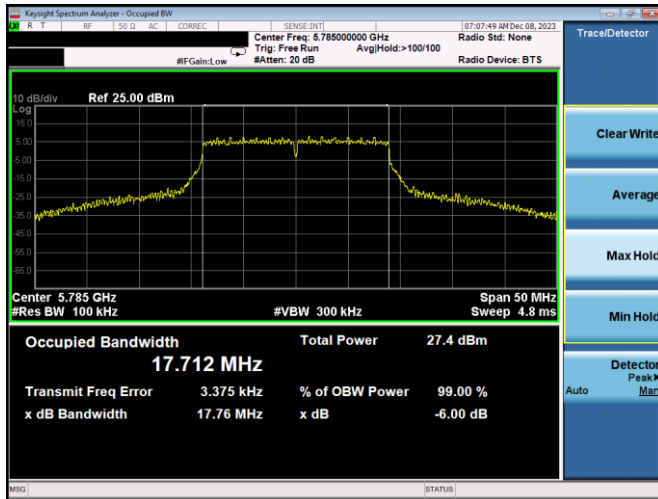


Plot 7-228. 6dB BW & 99% OBW Antenna 3a (80MHz BW 802.11ax(SU) – Ch. 155, MCS4)

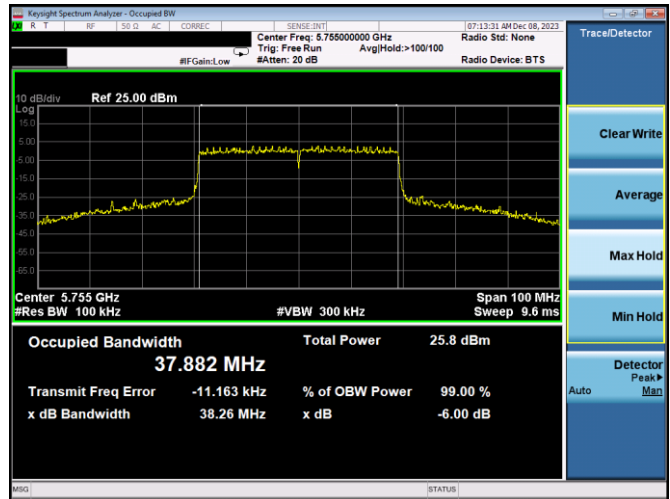
|                                         |                                                                                                                                  |                            |                                   |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903      |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-24.BCG | Test Dates:<br>11/28/2023 - 01/15/2024                                                                                           | EUT Type:<br>Tablet Device | Page 71 of 597                    |

V 10.6 9/14/2023

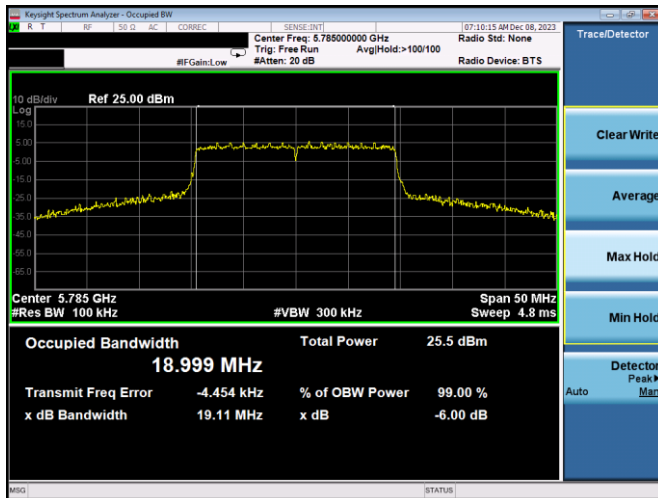
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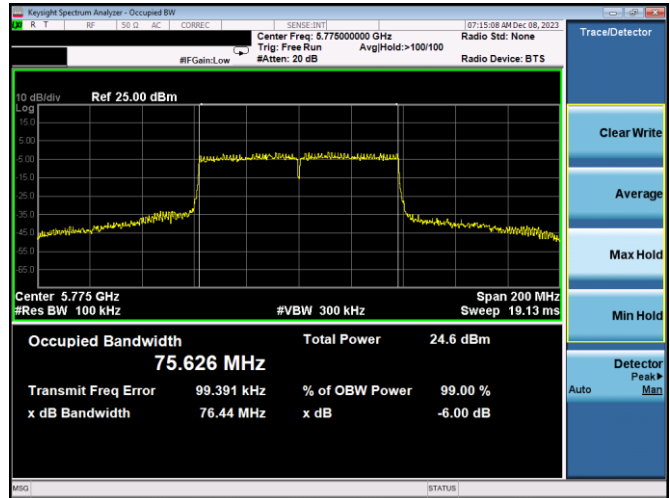
Plot 7-229. 6dB BW & 99% OBW Antenna 3a (20MHz BW 802.11n – Ch. 157, MCS7)



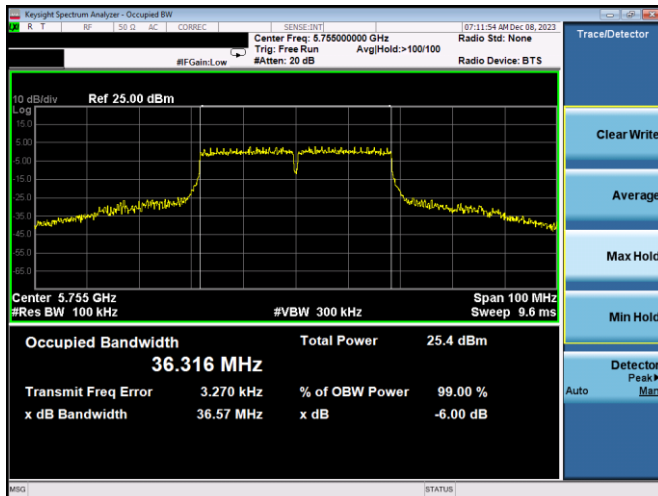
Plot 7-232. 6dB BW & 99% OBW Antenna 3a (40MHz BW 802.11ax(SU) – Ch. 151, MCS11)



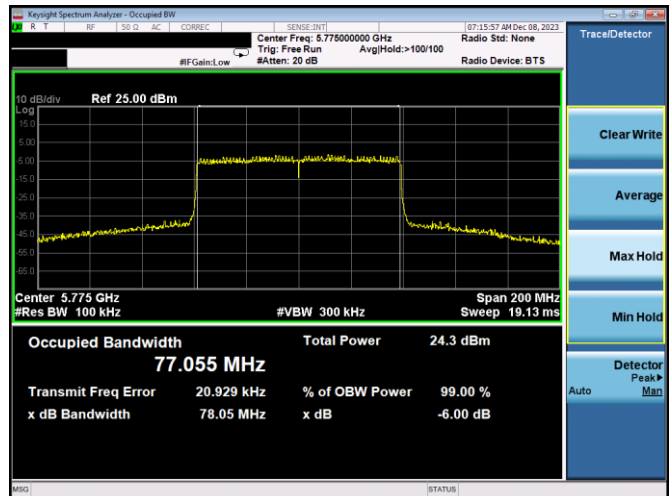
Plot 7-230. 6dB BW & 99% OBW Antenna 3a (20MHz BW 802.11ax(SU) – Ch. 157, MCS11)



Plot 7-233. 6dB BW & 99% OBW Antenna 3a (80MHz BW 802.11ac – Ch. 155, MCS9)



Plot 7-231. 6dB BW & 99% OBW Antenna 3a (40MHz BW 802.11n – Ch. 151, MCS7)



Plot 7-234. 6dB BW & 99% OBW Antenna 3a (80MHz BW 802.11ax(SU) – Ch. 155, MCS11)

|                                         |                                                                                                                                  |                            |                                   |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903      |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-24.BCG | Test Dates:<br>11/28/2023 - 01/15/2024                                                                                           | EUT Type:<br>Tablet Device | Page 72 of 597                    |

V 10.6 9/14/2023

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## Antenna 1b 6dB & 99% Bandwidth Measurements

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps] | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 19.5/21.7 (MCS2) | 17.61                                 | 17.60                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | 19.5/21.7 (MCS2) | 17.63                                 | 16.91                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | 19.5/21.7 (MCS2) | 17.60                                 | 16.88                        | 0.50                        | Pass        |
|        | 5745            | 149     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 18.94                                 | 19.02                        | 0.50                        | Pass        |
|        | 5785            | 157     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 18.96                                 | 19.06                        | 0.50                        | Pass        |
|        | 5825            | 165     | ax (SU) (20MHz) | 24/25.8 (MCS2)   | 18.94                                 | 18.99                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | 40/40.5 (MCS2)   | 36.01                                 | 35.65                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | 40/40.5 (MCS2)   | 36.07                                 | 35.89                        | 0.50                        | Pass        |
|        | 5755            | 151     | ax (SU) (40MHz) | 49/51.6 (MCS2)   | 37.80                                 | 38.15                        | 0.50                        | Pass        |
|        | 5795            | 159     | ax (SU) (40MHz) | 49/51.6 (MCS2)   | 37.82                                 | 38.14                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | 87.8/97.5 (MCS2) | 75.32                                 | 75.57                        | 0.50                        | Pass        |
|        | 5775            | 155     | ax (SU) (80MHz) | 102/108.1 (MCS2) | 76.93                                 | 77.57                        | 0.50                        | Pass        |

Table 7-17. Conducted Bandwidth Measurements Antenna 1b (Low Data Rate)

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps] | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 39/43.3 (MCS4)   | 17.62                                 | 17.65                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | 39/43.3 (MCS4)   | 17.64                                 | 17.70                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | 39/43.3 (MCS4)   | 17.63                                 | 17.68                        | 0.50                        | Pass        |
|        | 5745            | 149     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 18.93                                 | 19.03                        | 0.50                        | Pass        |
|        | 5785            | 157     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 18.94                                 | 19.05                        | 0.50                        | Pass        |
|        | 5825            | 165     | ax (SU) (20MHz) | 49/51.6 (MCS4)   | 18.97                                 | 19.07                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | 81/90 (MCS4)     | 36.07                                 | 36.41                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | 81/90 (MCS4)     | 36.09                                 | 36.41                        | 0.50                        | Pass        |
|        | 5755            | 151     | ax (SU) (40MHz) | 98/103.2 (MCS4)  | 37.83                                 | 38.18                        | 0.50                        | Pass        |
|        | 5795            | 159     | ax (SU) (40MHz) | 98/103.2 (MCS4)  | 37.78                                 | 38.14                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | 175.5/195 (MCS4) | 75.33                                 | 76.11                        | 0.50                        | Pass        |
|        | 5775            | 155     | ax (SU) (80MHz) | 204/216.2 (MCS4) | 76.99                                 | 77.61                        | 0.50                        | Pass        |

Table 7-18. Conducted Bandwidth Measurements Antenna 1b (Mid Data Rate)

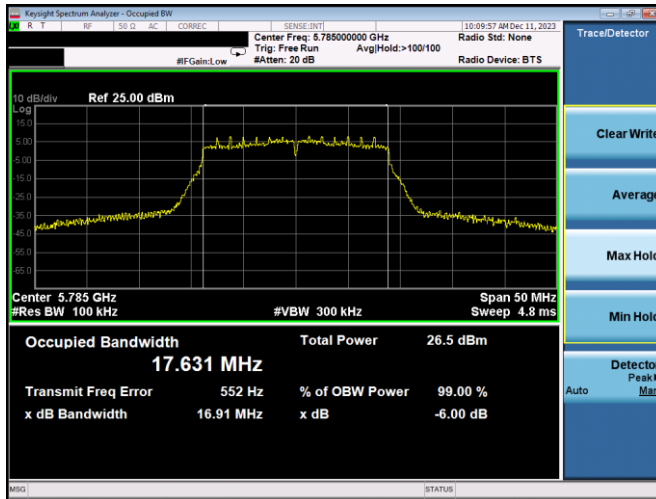
|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate [Mbps]  | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|-------------------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | n (20MHz)       | 65/72.2 (MCS7)    | 17.70                                 | 17.73                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | 65/72.2 (MCS7)    | 17.70                                 | 17.74                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | 65/72.2 (MCS7)    | 17.71                                 | 17.77                        | 0.50                        | Pass        |
|        | 5745            | 149     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 18.99                                 | 19.09                        | 0.50                        | Pass        |
|        | 5785            | 157     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 18.98                                 | 19.07                        | 0.50                        | Pass        |
|        | 5825            | 165     | ax (SU) (20MHz) | 135/143.4 (MCS11) | 18.97                                 | 19.07                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | 135/150 (MCS7)    | 36.26                                 | 36.52                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | 135/150 (MCS7)    | 36.30                                 | 36.51                        | 0.50                        | Pass        |
|        | 5755            | 151     | ax (SU) (40MHz) | 271/286 (MCS11)   | 37.80                                 | 38.11                        | 0.50                        | Pass        |
|        | 5795            | 159     | ax (SU) (40MHz) | 271/286 (MCS11)   | 37.80                                 | 38.15                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | 390/433.3 (MCS9)  | 75.60                                 | 76.49                        | 0.50                        | Pass        |
|        | 5775            | 155     | ax (SU) (80MHz) | 567/600.5 (MCS11) | 77.05                                 | 77.58                        | 0.50                        | Pass        |

Table 7-19. Conducted Bandwidth Measurements Antenna 1b (High Data Rate)

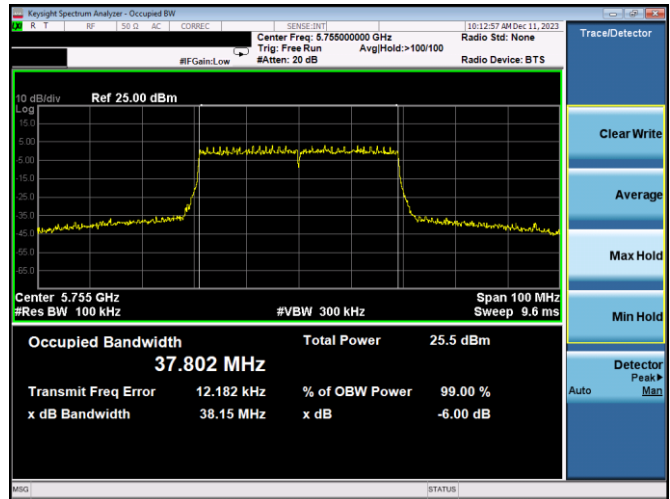
|                                         |                                                                                                                                   |                            |                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903      |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-24.BCG | Test Dates:<br>11/28/2023 - 01/15/2024                                                                                            | EUT Type:<br>Tablet Device | Page 73 of 597                    |

V 10.6 9/14/2023

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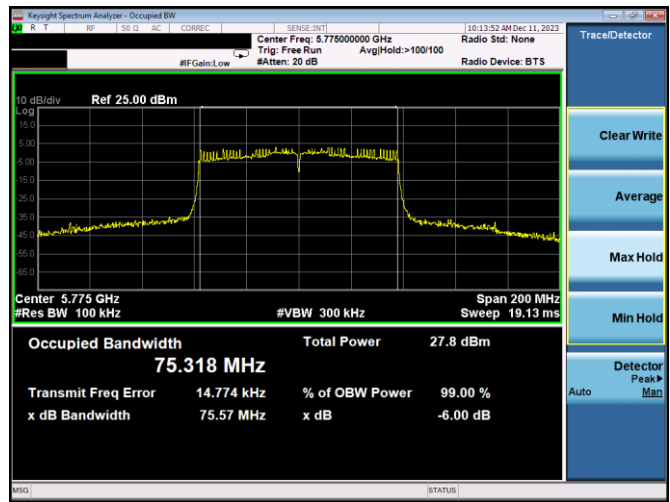
Plot 7-235. 6dB BW & 99% OBW Antenna 1b (20MHz BW 802.11n – Ch. 157, MCS2)



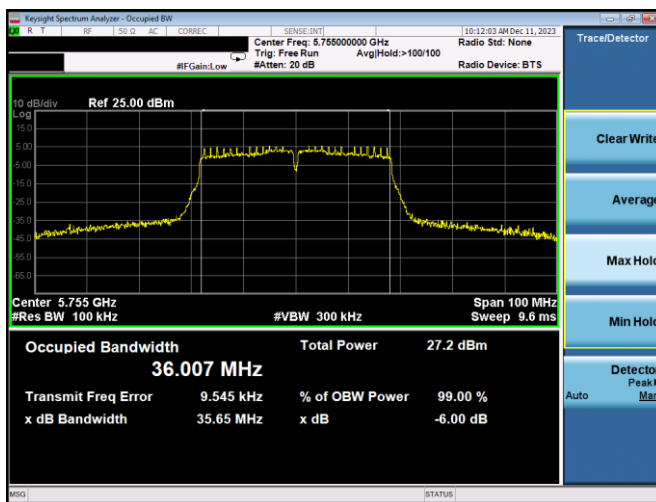
Plot 7-238. 6dB BW & 99% OBW Antenna 1b (40MHz BW 802.11ax(SU) – Ch. 151, MCS2)



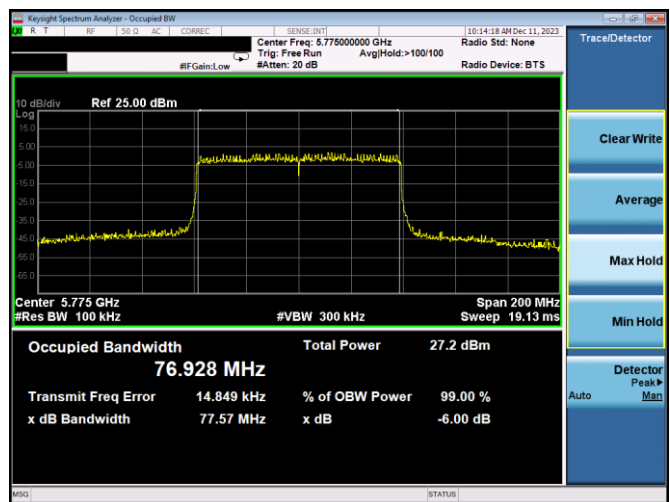
Plot 7-236. 6dB BW & 99% OBW Antenna 1b (20MHz BW 802.11ax(SU) – Ch. 157, MCS2)



Plot 7-239. 6dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ac – Ch. 155, MCS2)



Plot 7-237. 6dB BW & 99% OBW Antenna 1b (40MHz BW 802.11n – Ch. 151, MCS2)



Plot 7-240. 6dB BW & 99% OBW Antenna 1b (80MHz BW 802.11ax(SU) – Ch. 155, MCS2)

|                                         |                                                                                                                                  |                            |                                   |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2903<br>IC: 579C-A2903      |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2311270064-24.BCG | Test Dates:<br>11/28/2023 - 01/15/2024                                                                                           | EUT Type:<br>Tablet Device | Page 74 of 597                    |

V 10.6 9/14/2023

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