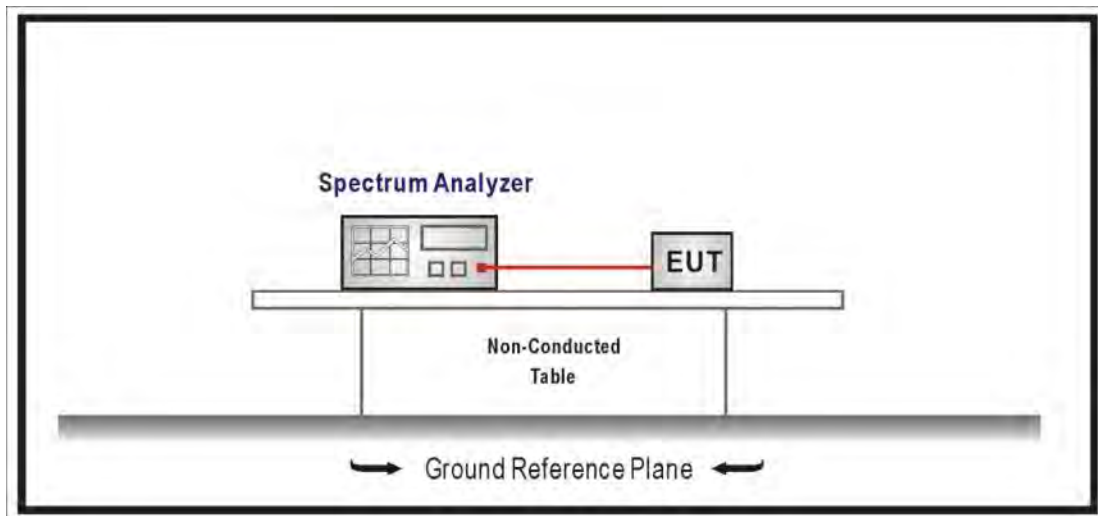


8. Occupied Bandwidth

8.1. Test Setup



8.2. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB558074 V05 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 1-5% of the OBW, Set the VBW \geq 3xRBW, Sweep Time=Auto.

8.3. Limits

N/A

8.4. Test Specification

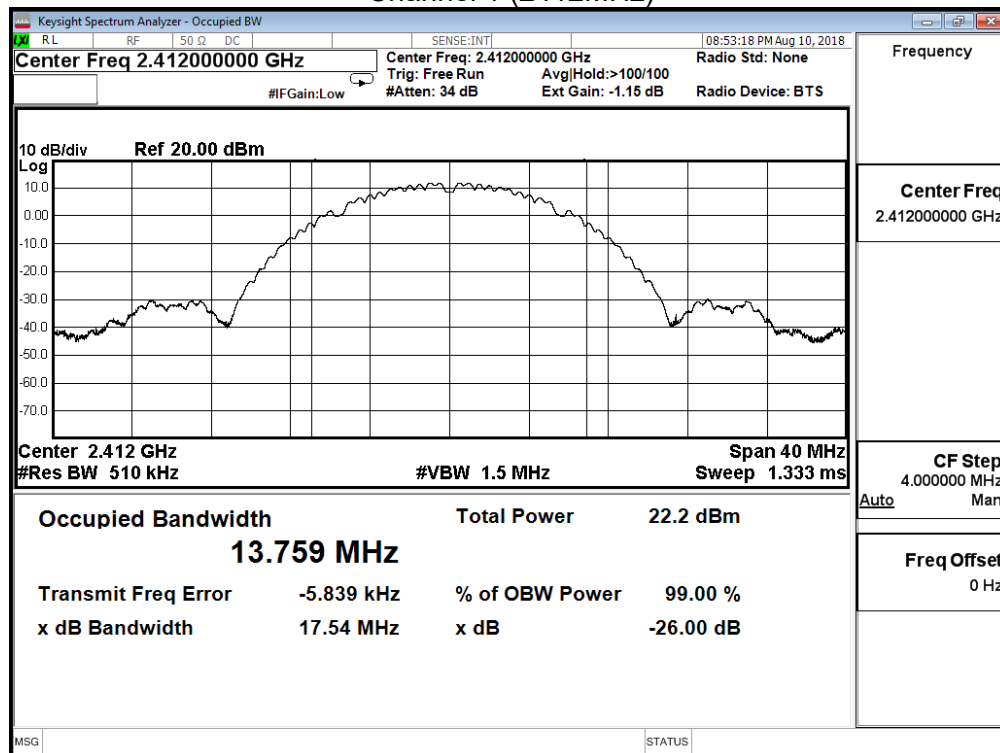
According to FCC Part 15 Subpart C Paragraph 15.247: 2017

8.5. Test Result

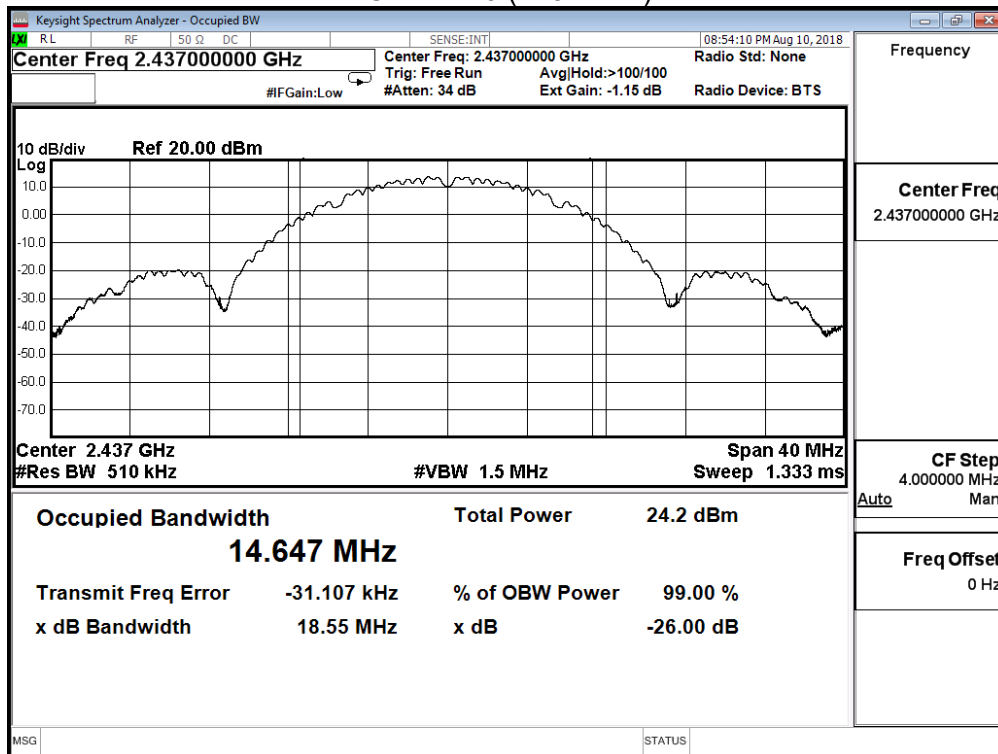
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| 802.11b (ANT 0) | | | |
|-----------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 13.759 | --- |
| 6 | 2437 | 14.647 | --- |
| 11 | 2462 | 13.483 | --- |

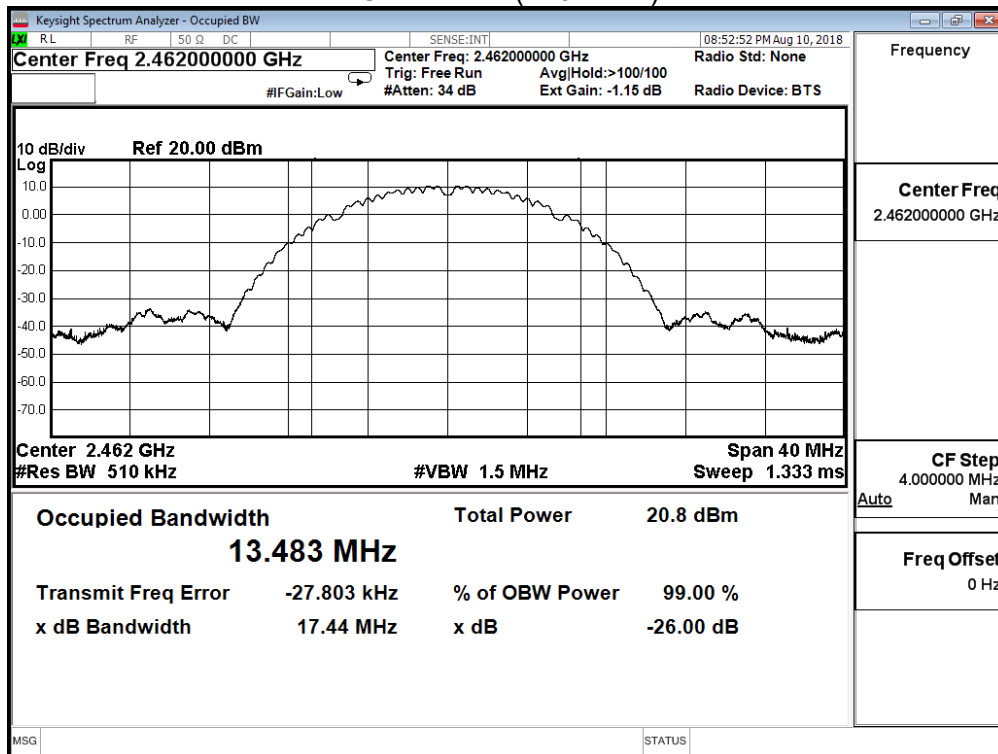
Channel 1 (2412MHz)



Channel 6 (2437MHz)



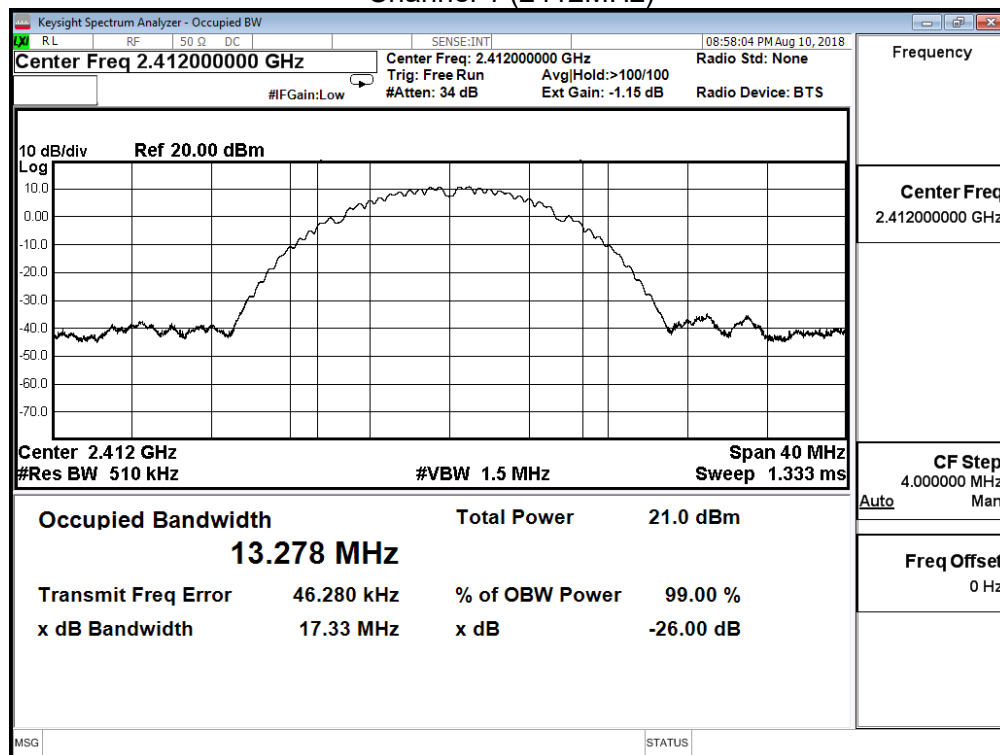
Channel 11 (2462MHz)



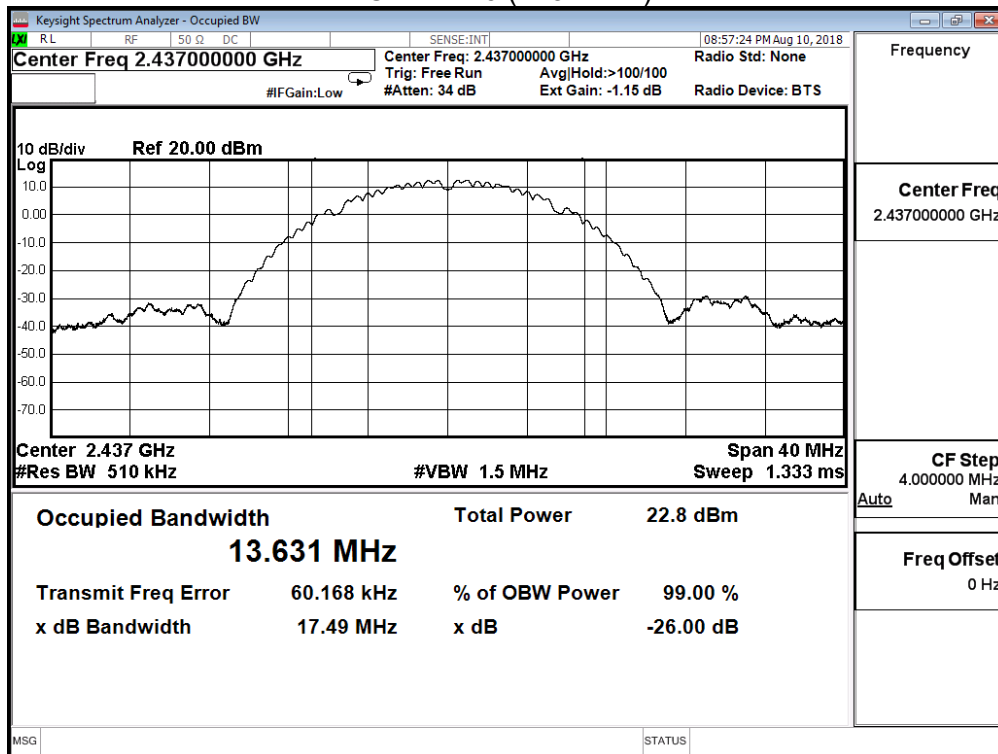
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| 802.11b (ANT 1) | | | |
|-----------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 13.278 | --- |
| 6 | 2437 | 13.631 | --- |
| 11 | 2462 | 13.339 | --- |

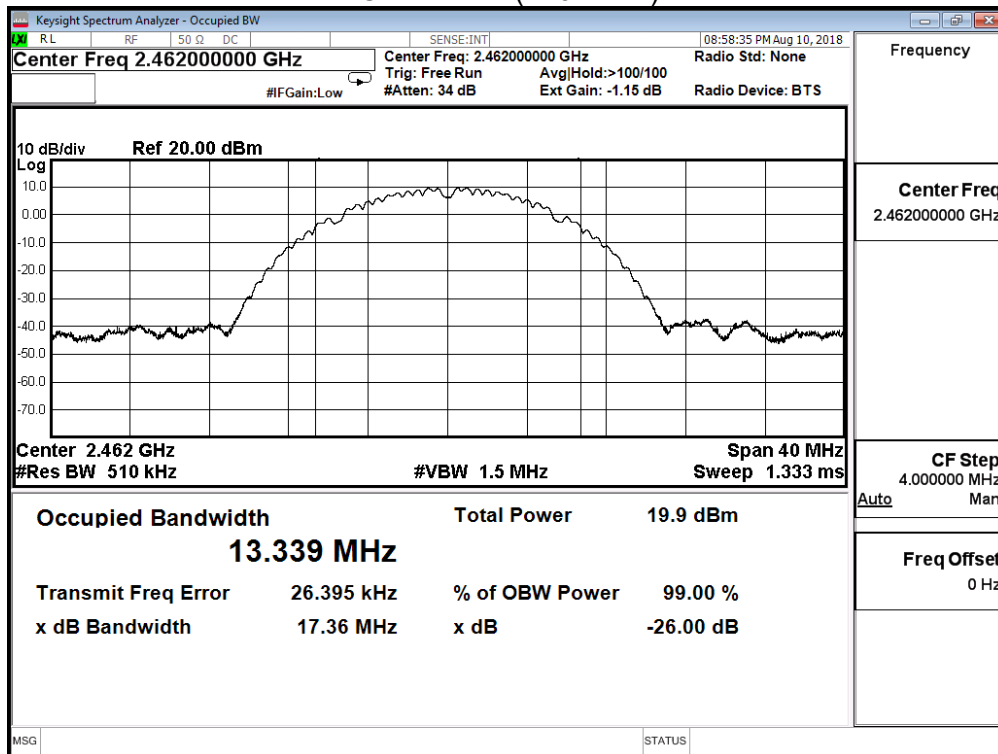
Channel 1 (2412MHz)



Channel 6 (2437MHz)



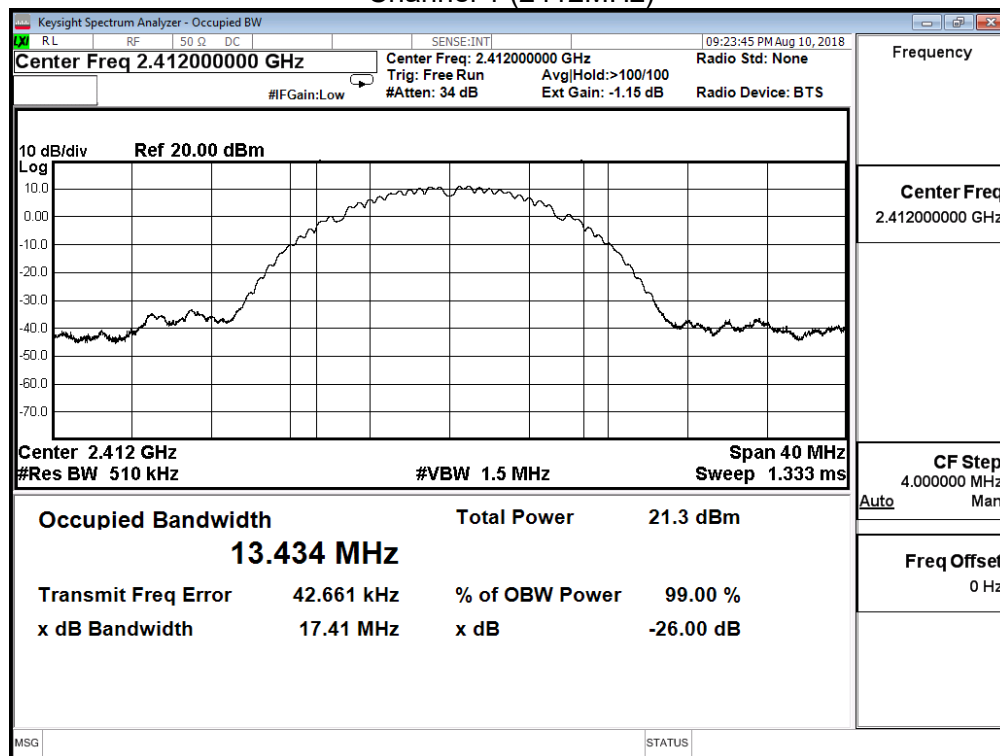
Channel 11 (2462MHz)



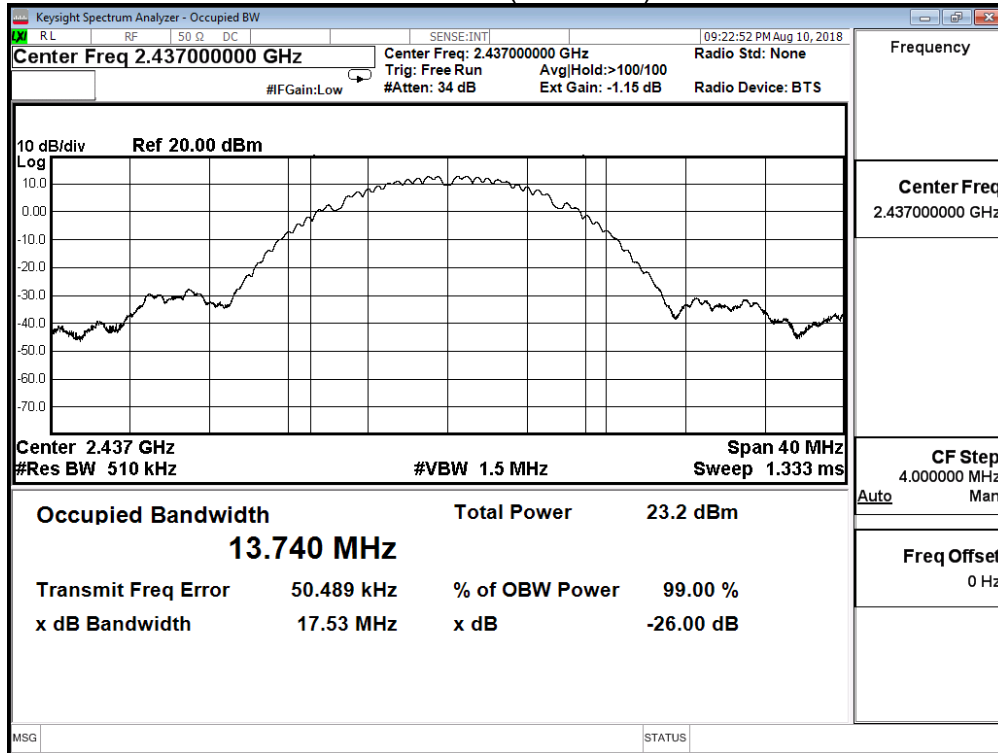
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| 802.11b (ANT 2) | | | |
|-----------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 13.434 | --- |
| 6 | 2437 | 13.740 | --- |
| 11 | 2462 | 13.280 | --- |

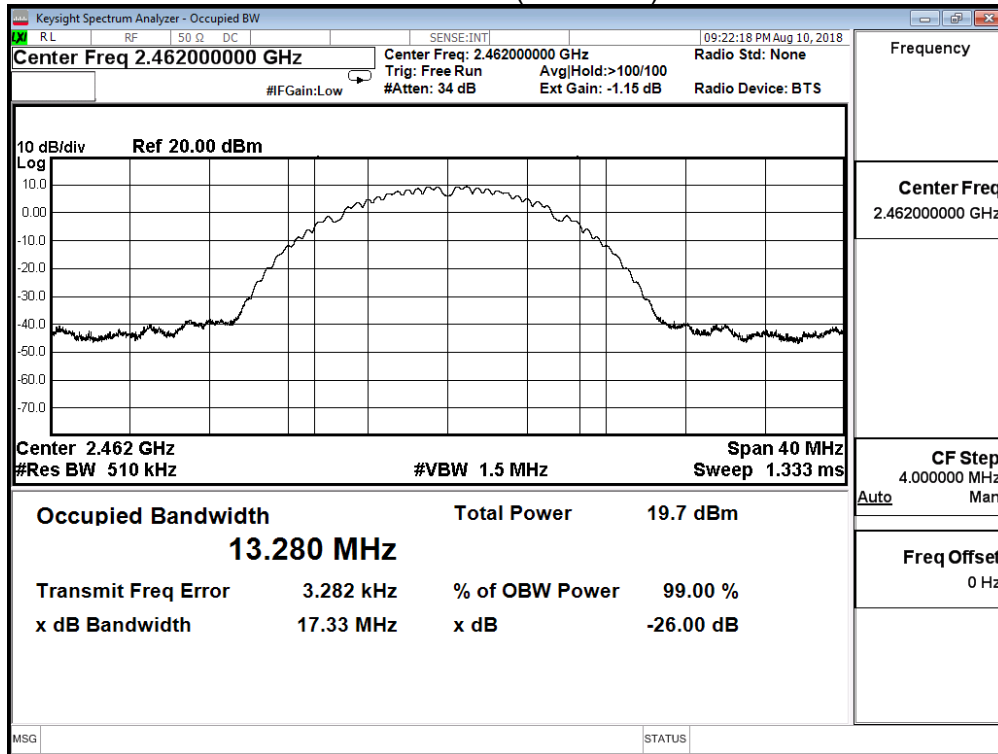
Channel 1 (2412MHz)



Channel 6 (2437MHz)



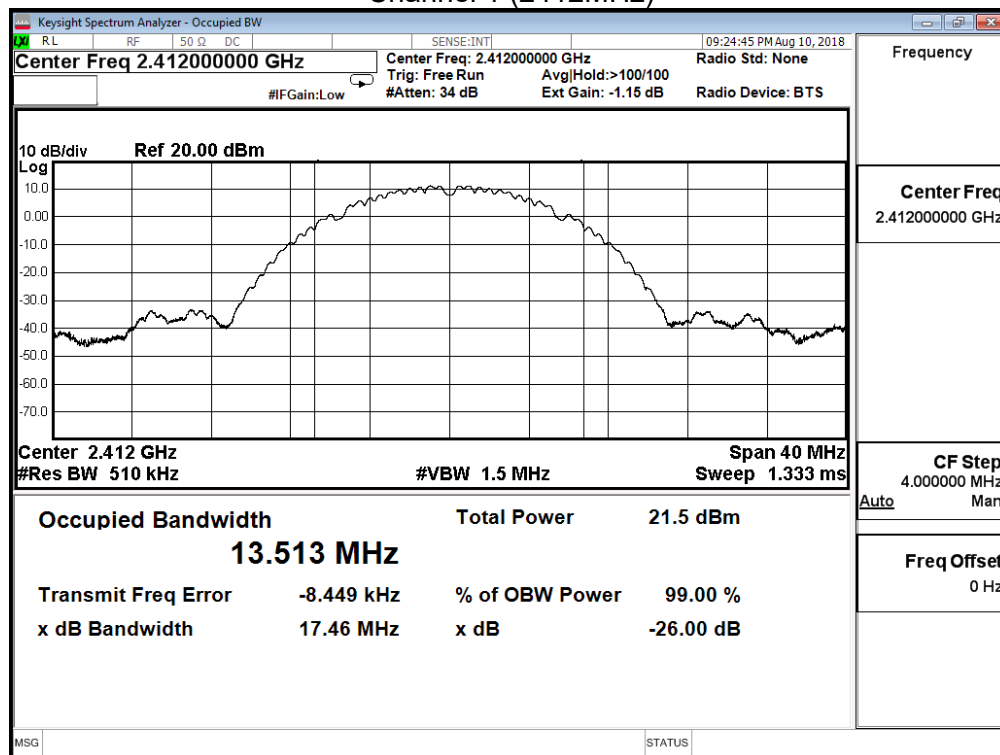
Channel 11 (2462MHz)



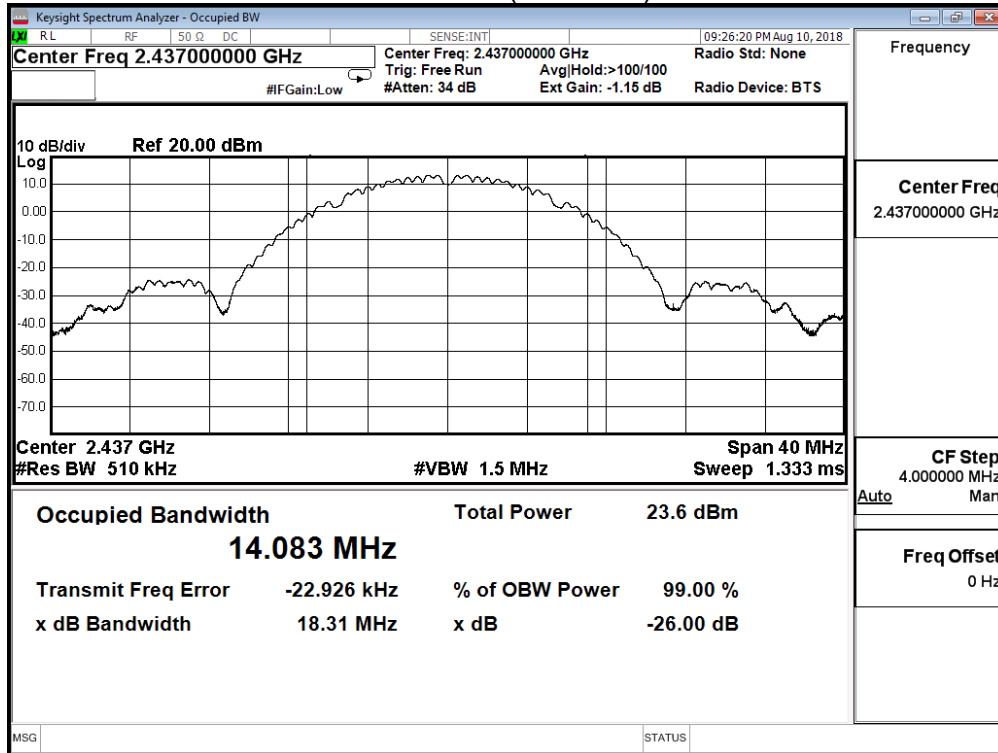
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| 802.11b (ANT 3) | | | |
|-----------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 13.513 | --- |
| 6 | 2437 | 14.083 | --- |
| 11 | 2462 | 13.363 | --- |

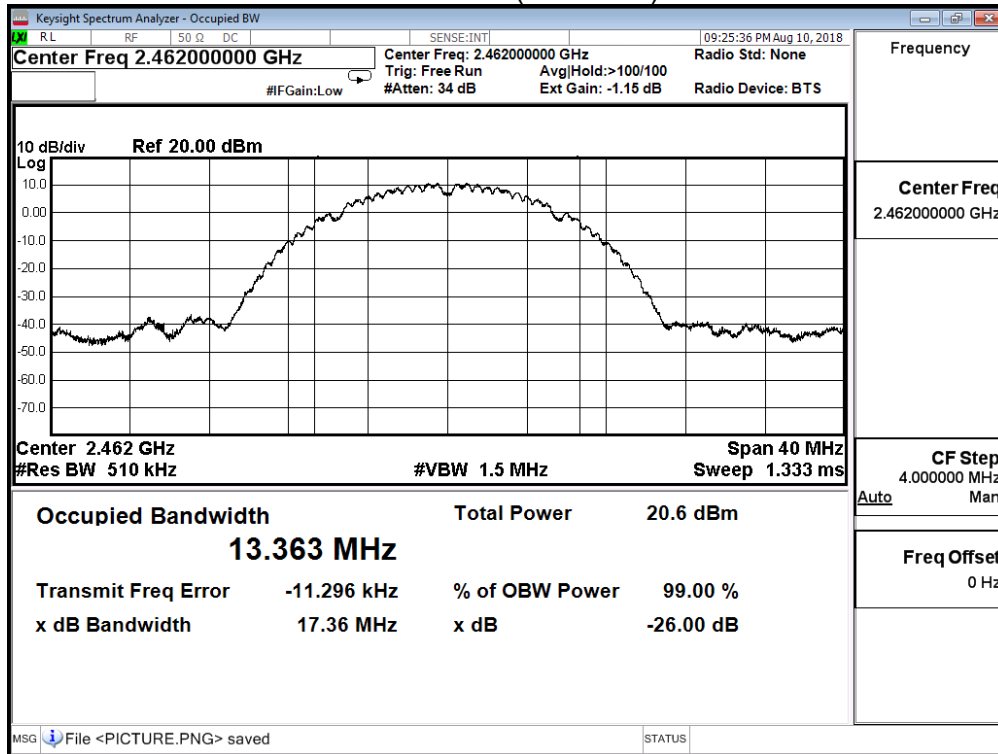
Channel 1 (2412MHz)



Channel 6 (2437MHz)



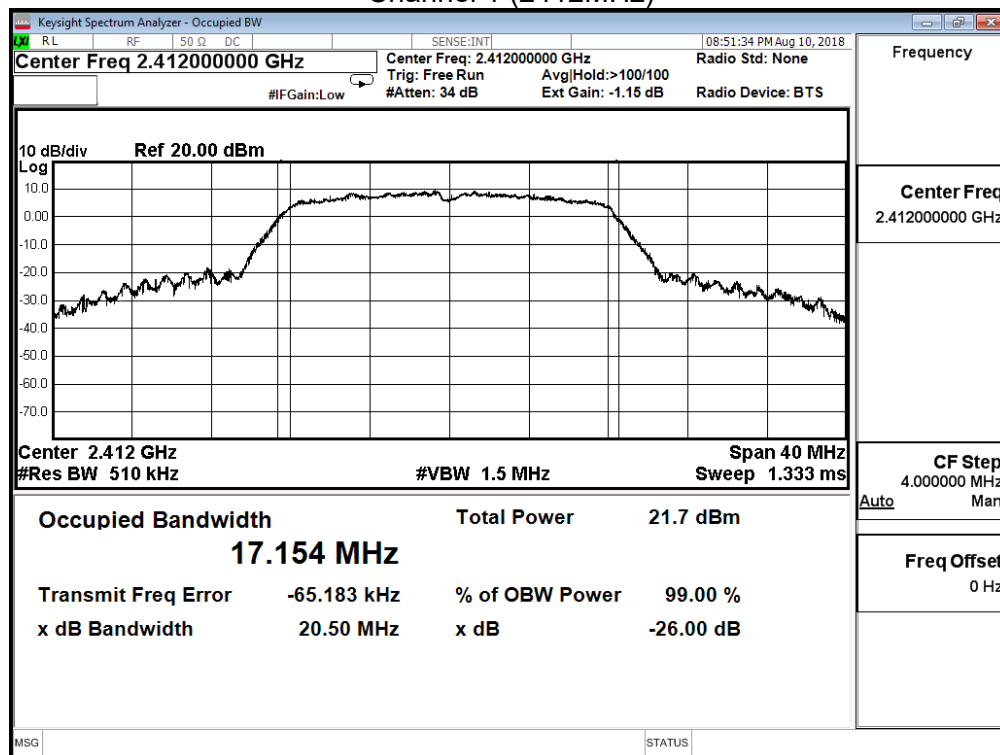
Channel 11 (2462MHz)



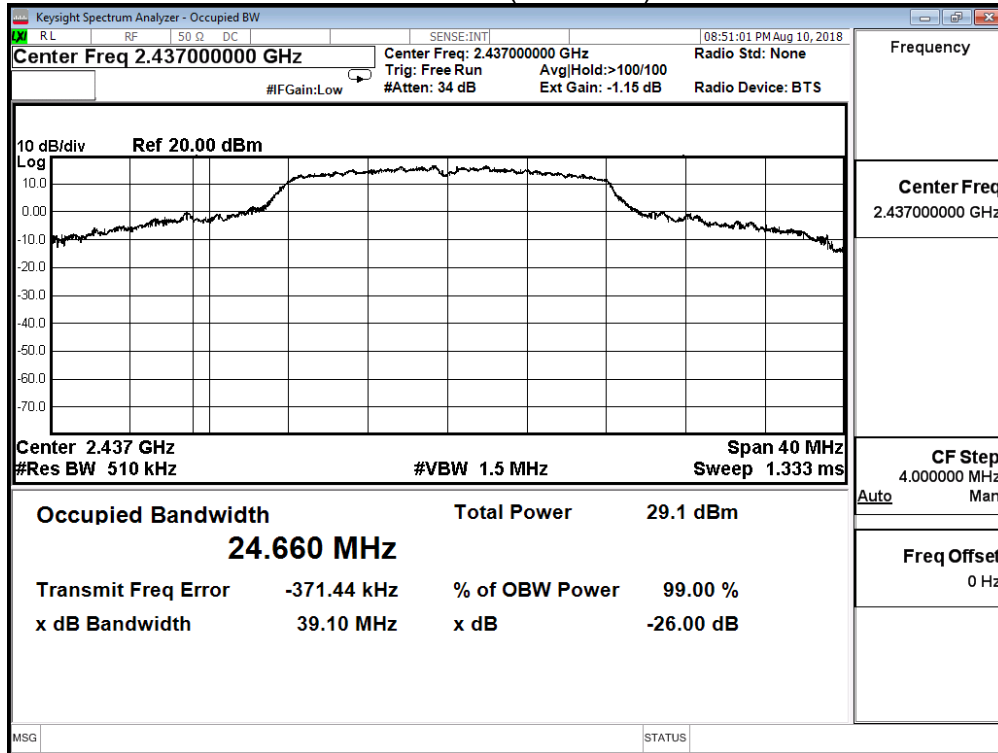
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| 802.11g (ANT 0) | | | |
|-----------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 17.154 | --- |
| 6 | 2437 | 24.660 | --- |
| 11 | 2462 | 17.104 | --- |

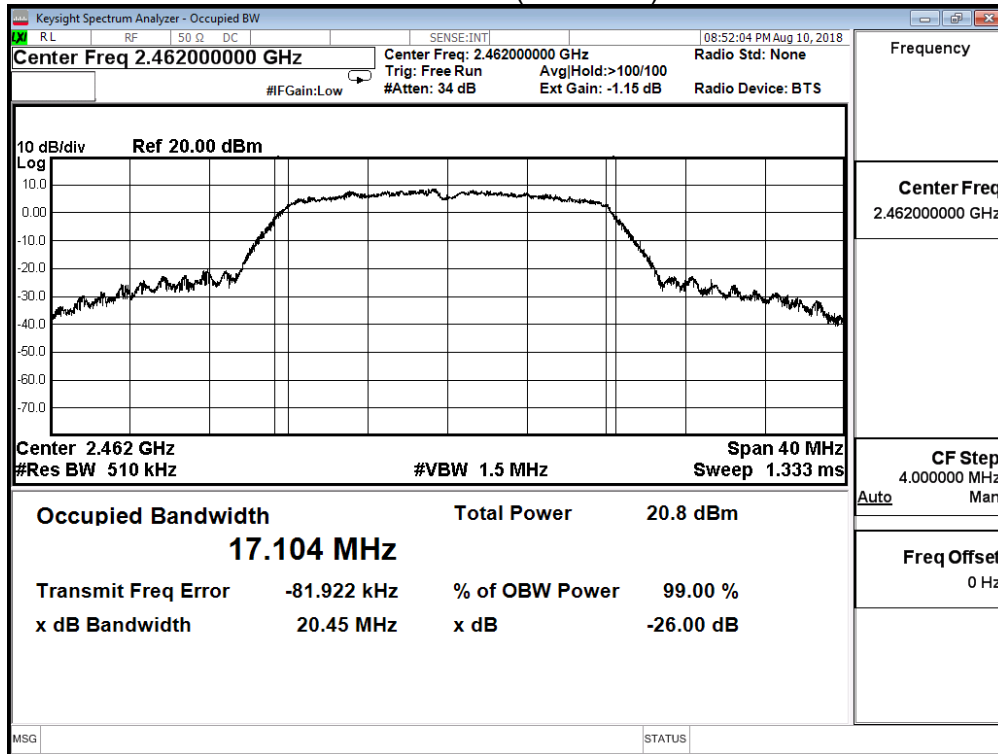
Channel 1 (2412MHz)



Channel 6 (2437MHz)



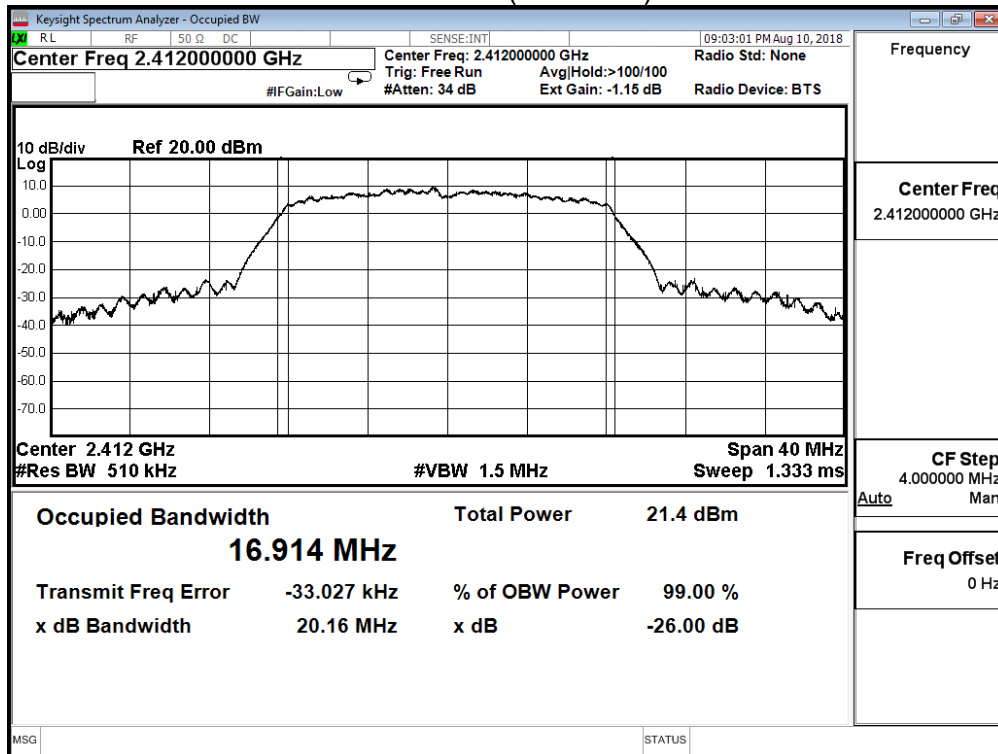
Channel 11 (2462MHz)



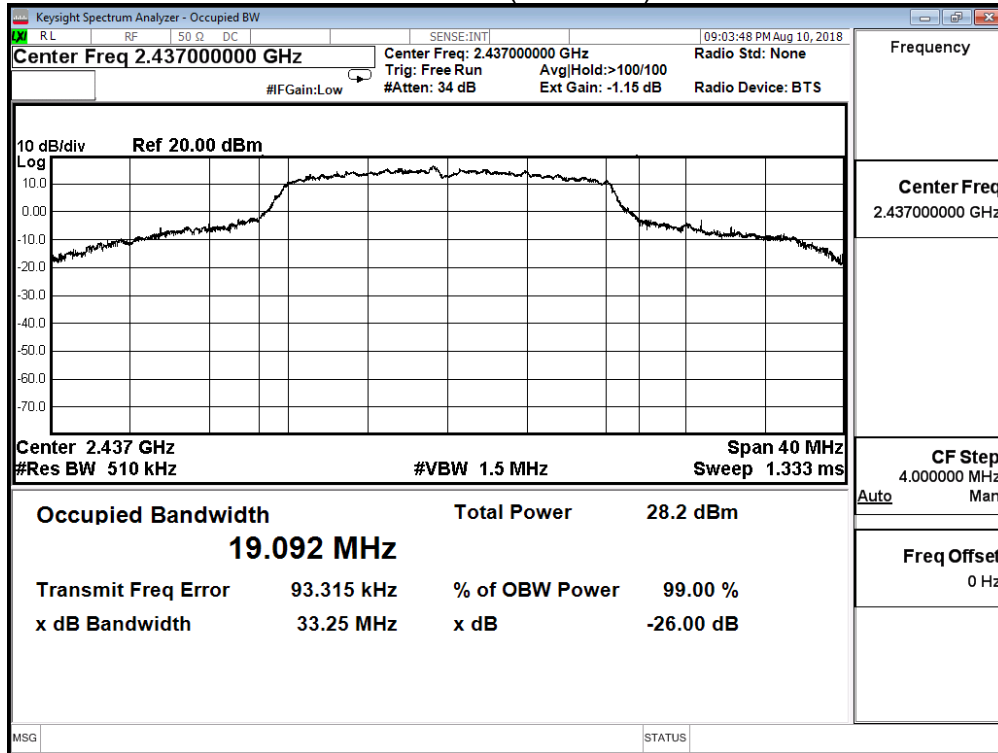
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| 802.11g (ANT 1) | | | |
|-----------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 16.914 | --- |
| 6 | 2437 | 19.092 | --- |
| 11 | 2462 | 16.944 | --- |

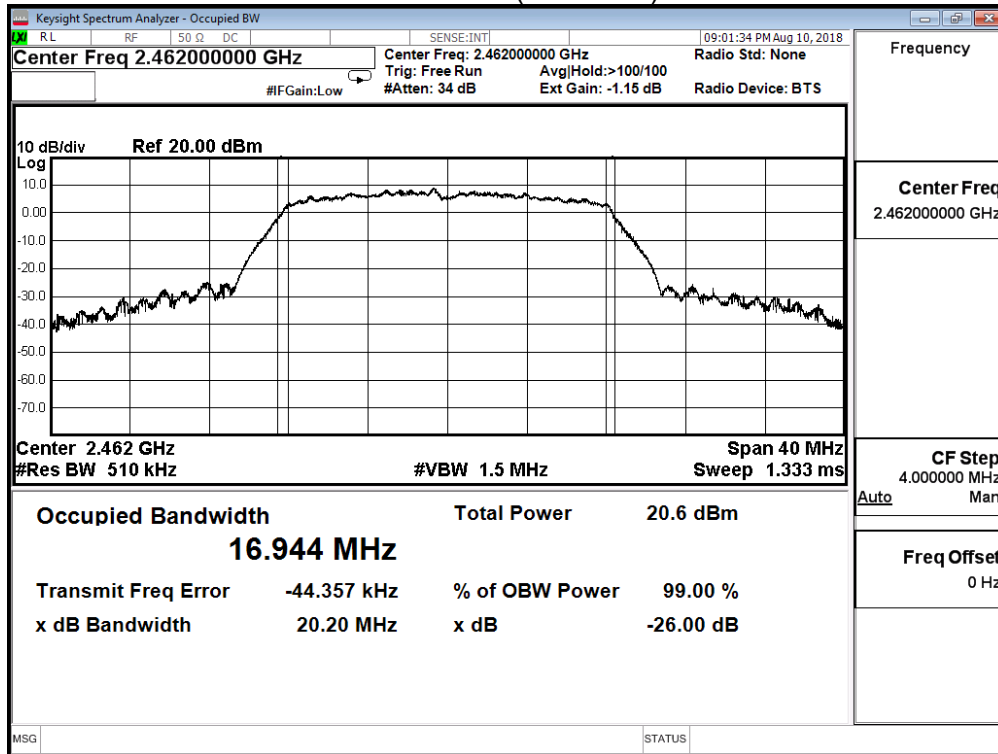
Channel 1 (2412MHz)



Channel 6 (2437MHz)



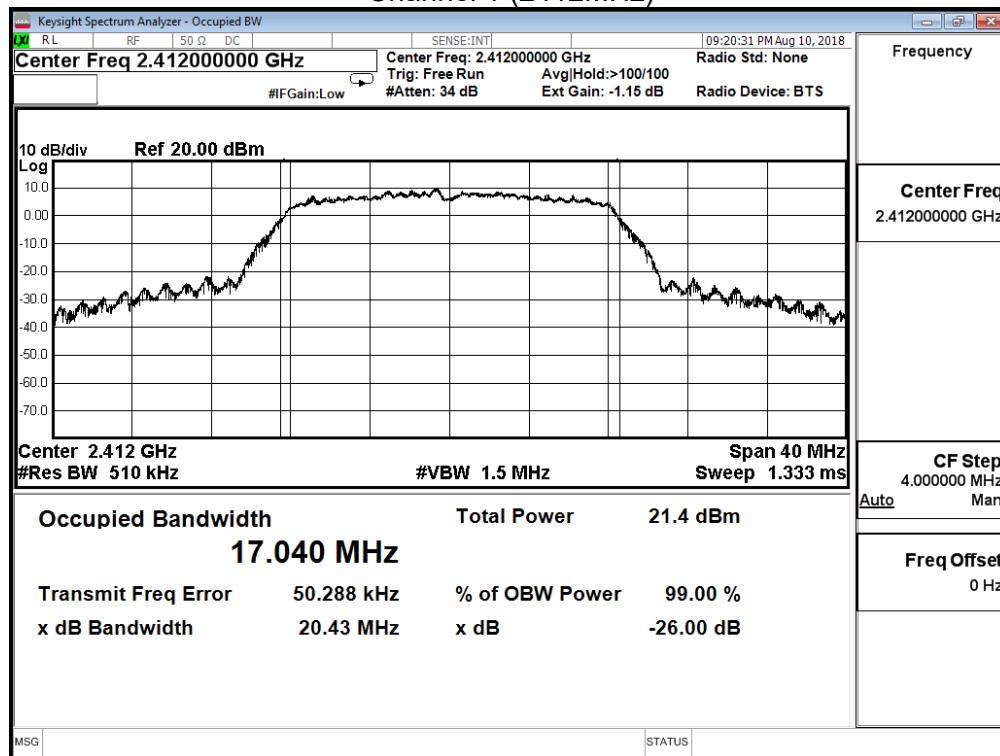
Channel 11 (2462MHz)



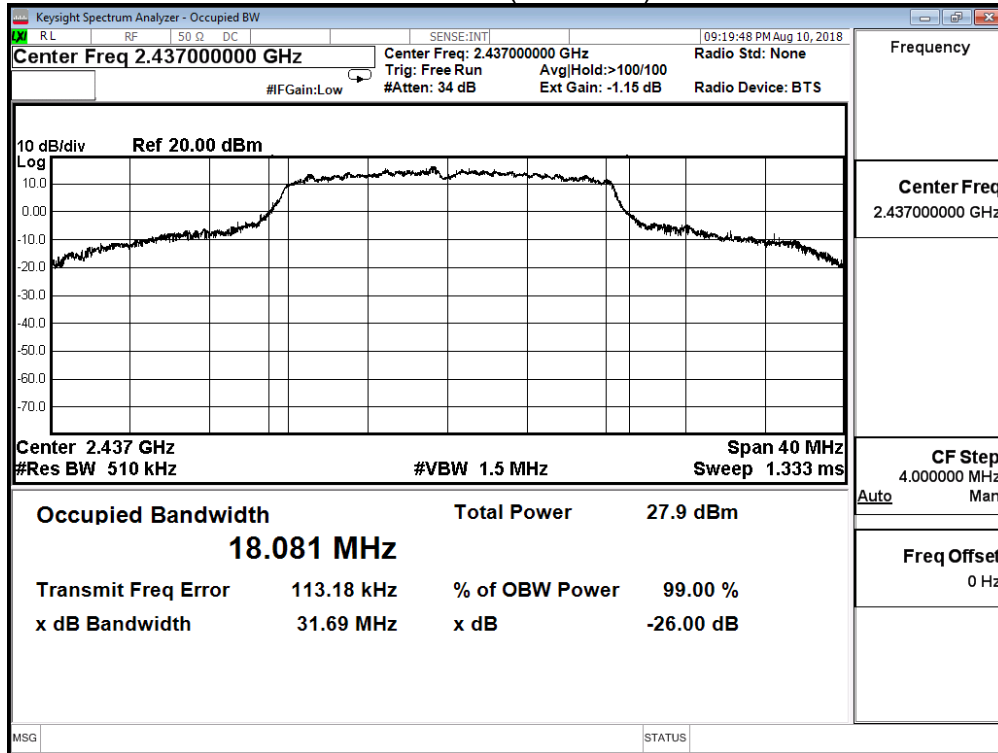
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| 802.11g (ANT 2) | | | |
|-----------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 17.040 | --- |
| 6 | 2437 | 18.081 | --- |
| 11 | 2462 | 16.949 | --- |

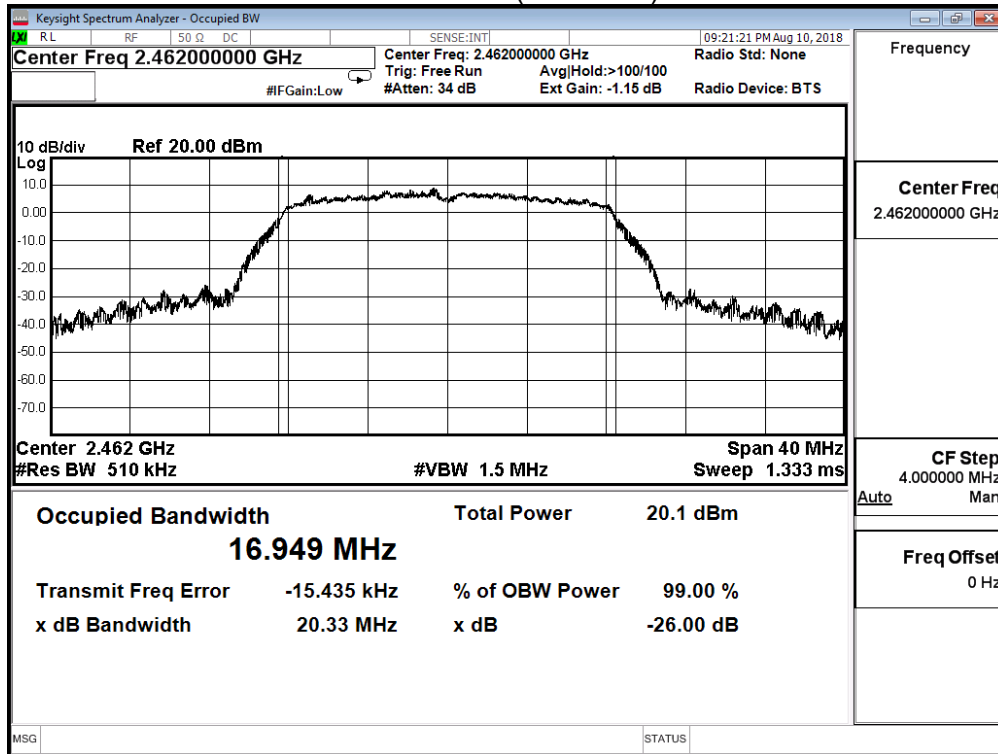
Channel 1 (2412MHz)



Channel 6 (2437MHz)



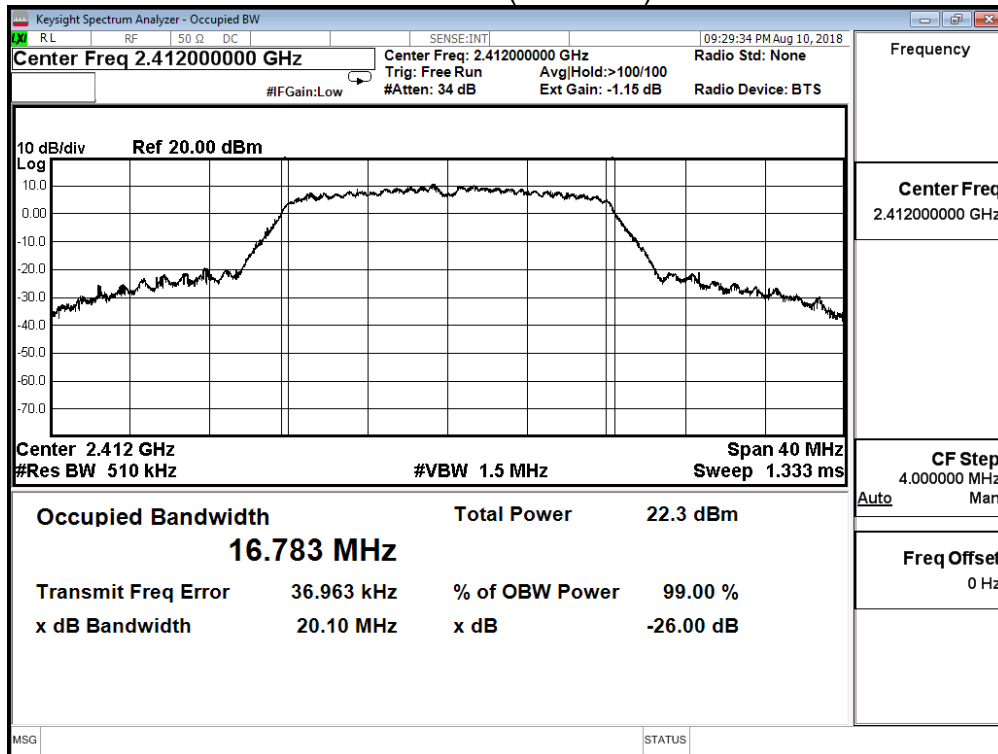
Channel 11 (2462MHz)



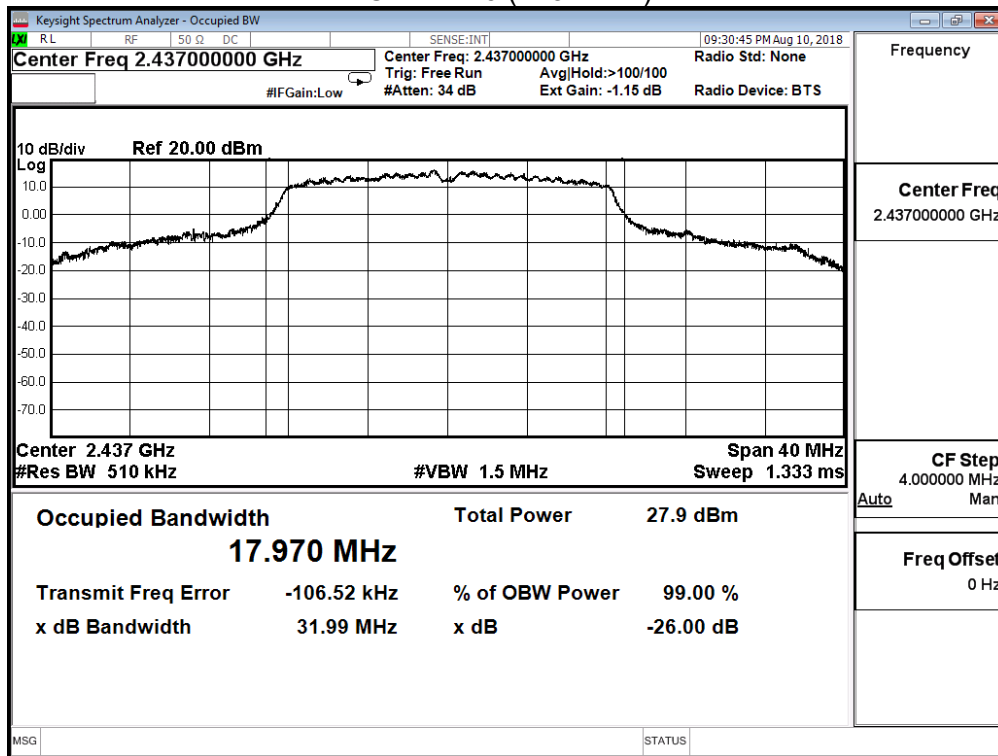
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| 802.11g (ANT 3) | | | |
|-----------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 16.783 | --- |
| 6 | 2437 | 17.970 | --- |
| 11 | 2462 | 16.735 | --- |

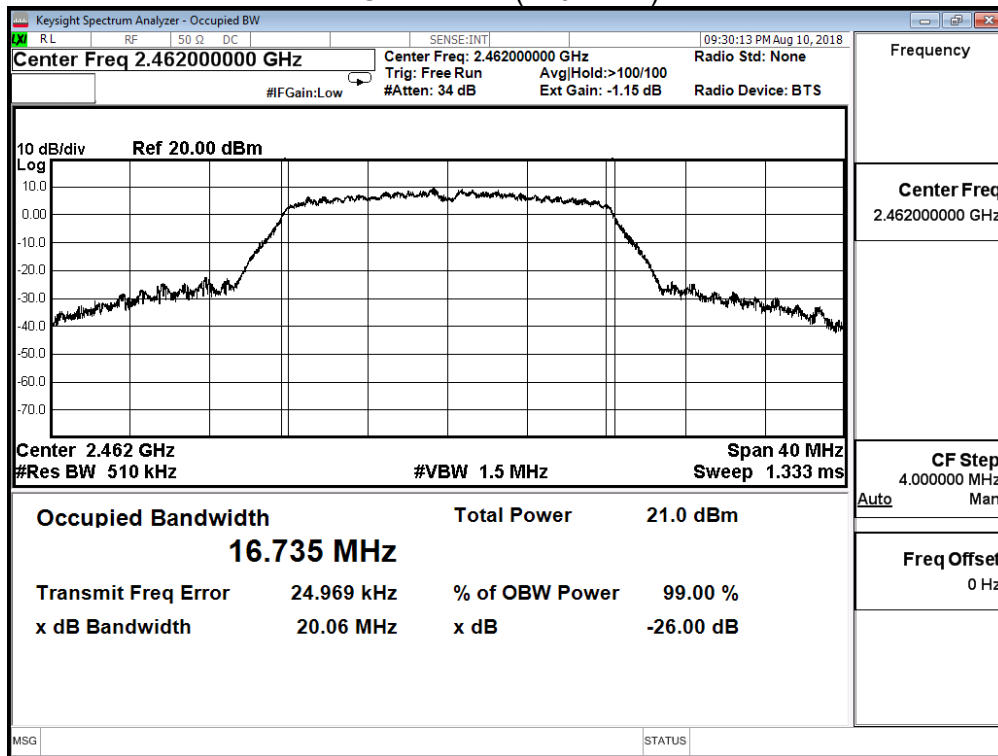
Channel 1 (2412MHz)



Channel 6 (2437MHz)



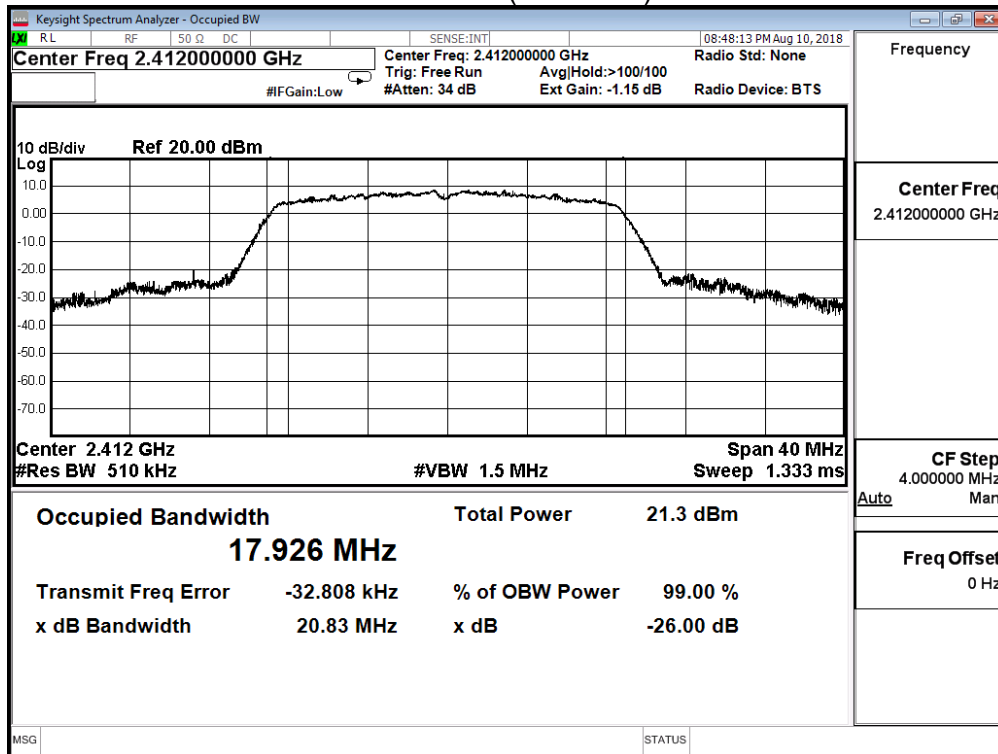
Channel 11 (2462MHz)



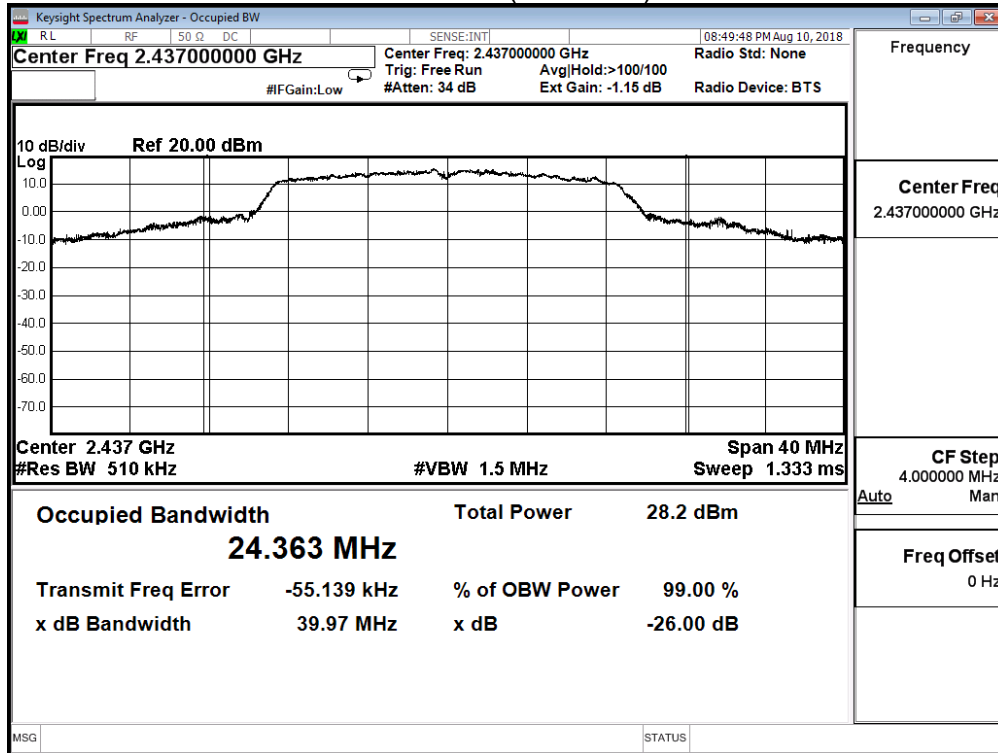
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11n 20M (ANT 0) | | | |
|--------------------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 17.926 | --- |
| 6 | 2437 | 24.363 | --- |
| 11 | 2462 | 17.916 | --- |

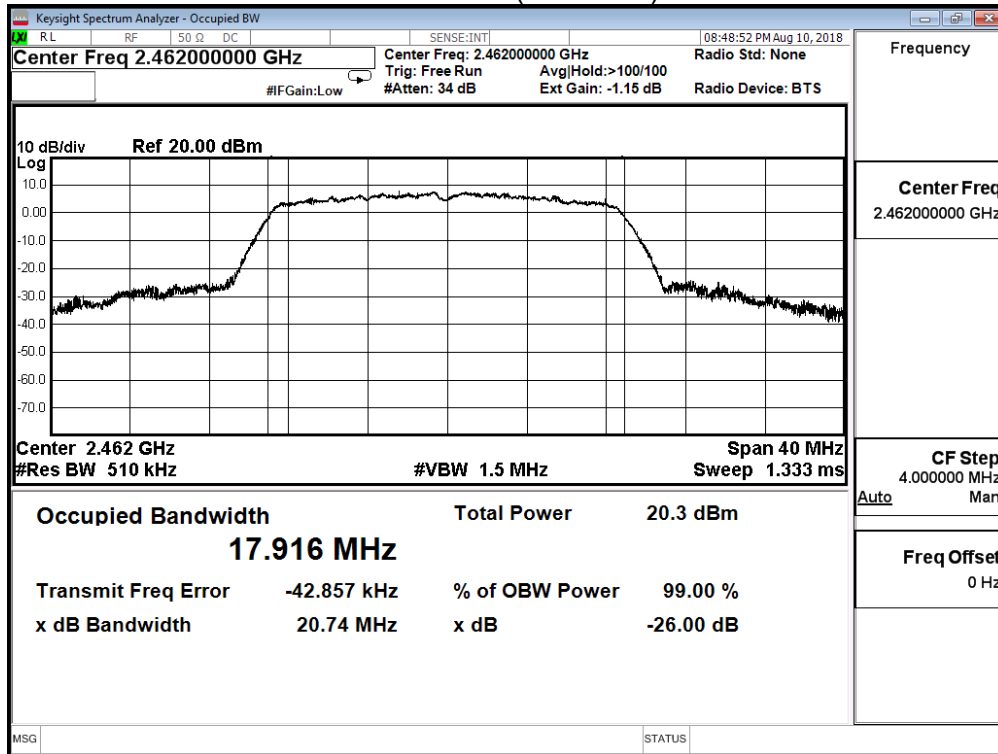
Channel 1 (2412MHz)



Channel 6 (2437MHz)



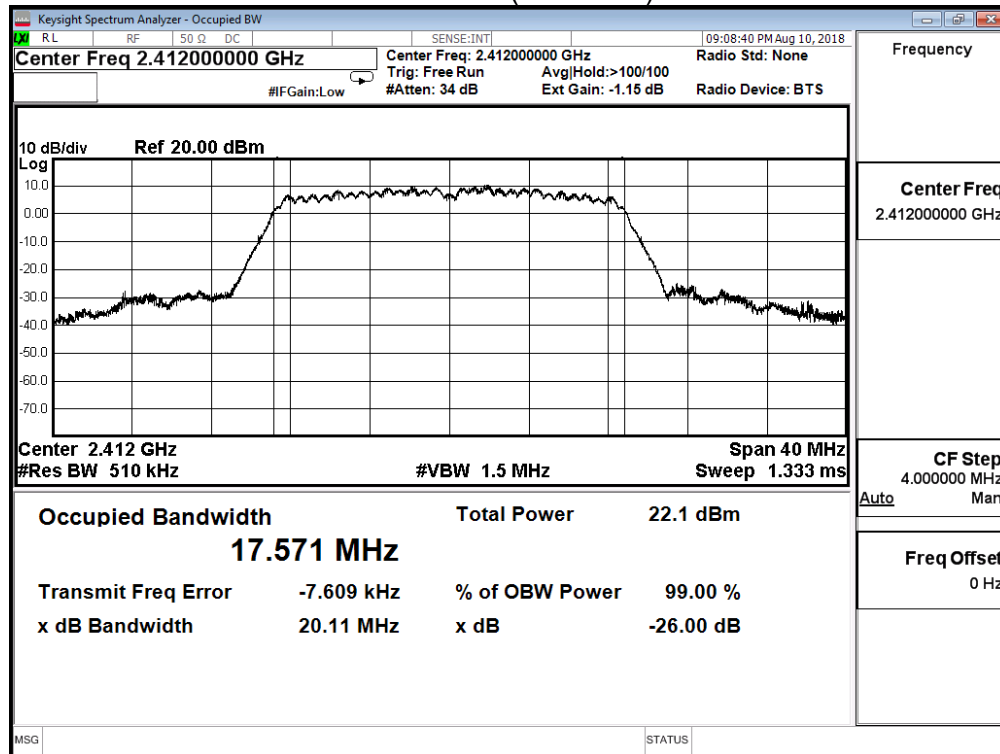
Channel 11 (2462MHz)



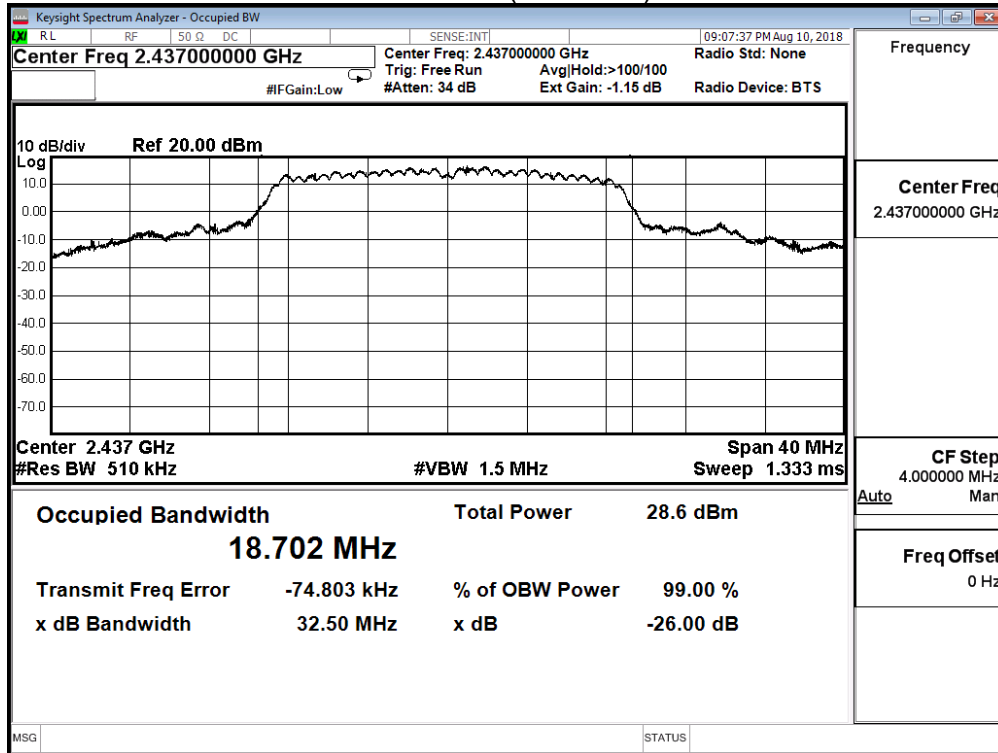
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11n 20M (ANT 1) | | | |
|--------------------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 17.571 | --- |
| 6 | 2437 | 18.702 | --- |
| 11 | 2462 | 17.593 | --- |

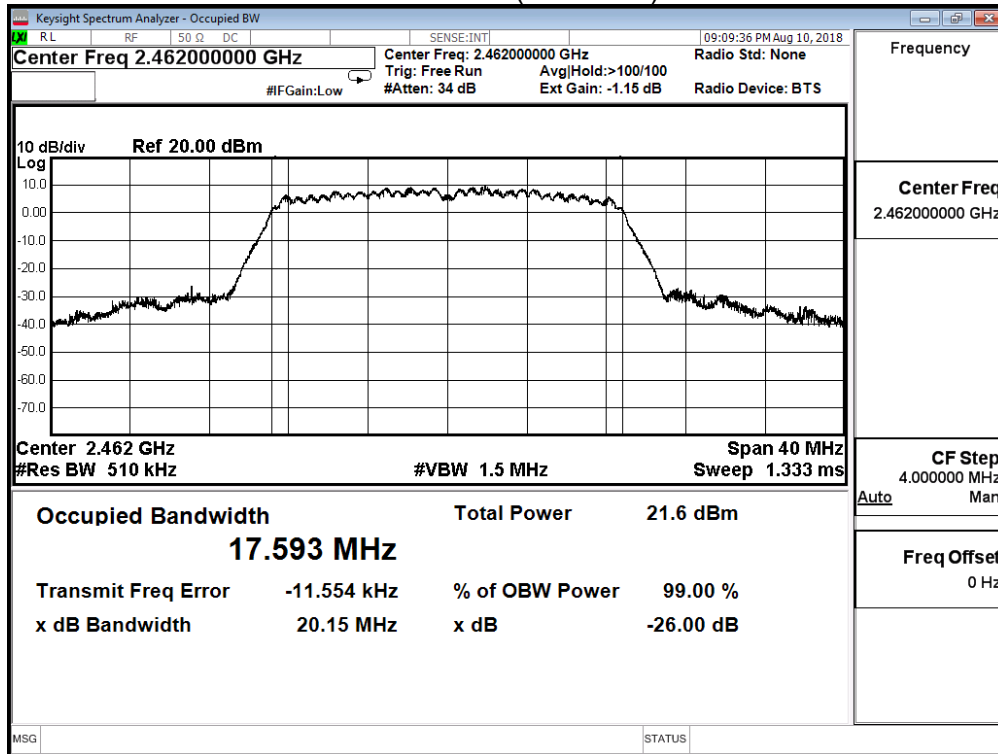
Channel 1 (2412MHz)



Channel 6 (2437MHz)



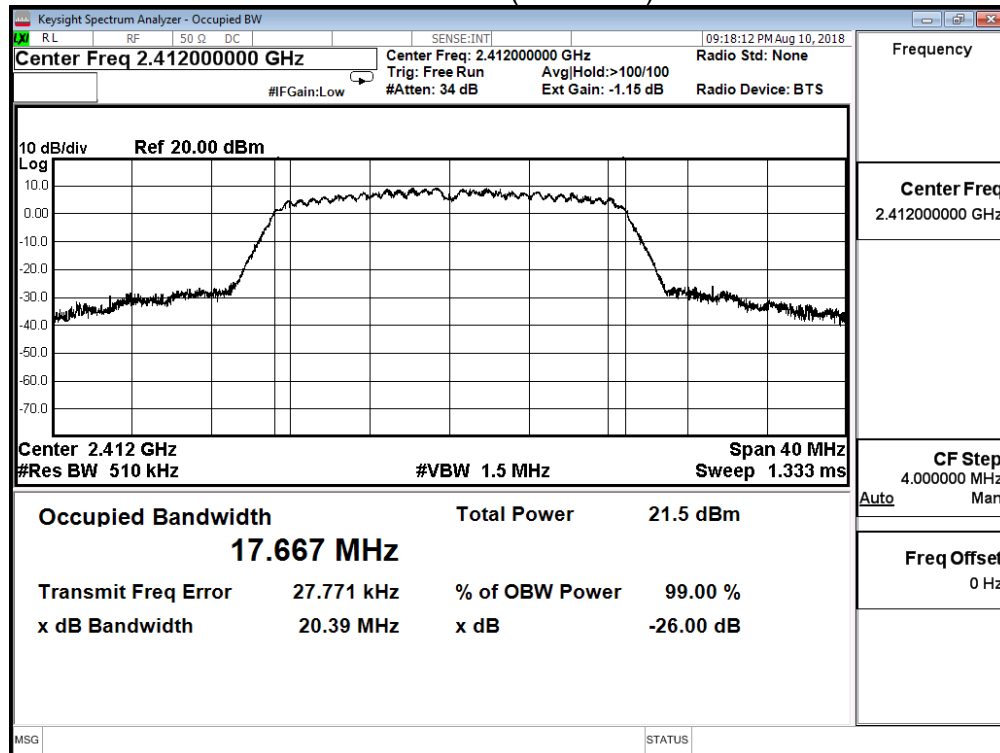
Channel 11 (2462MHz)



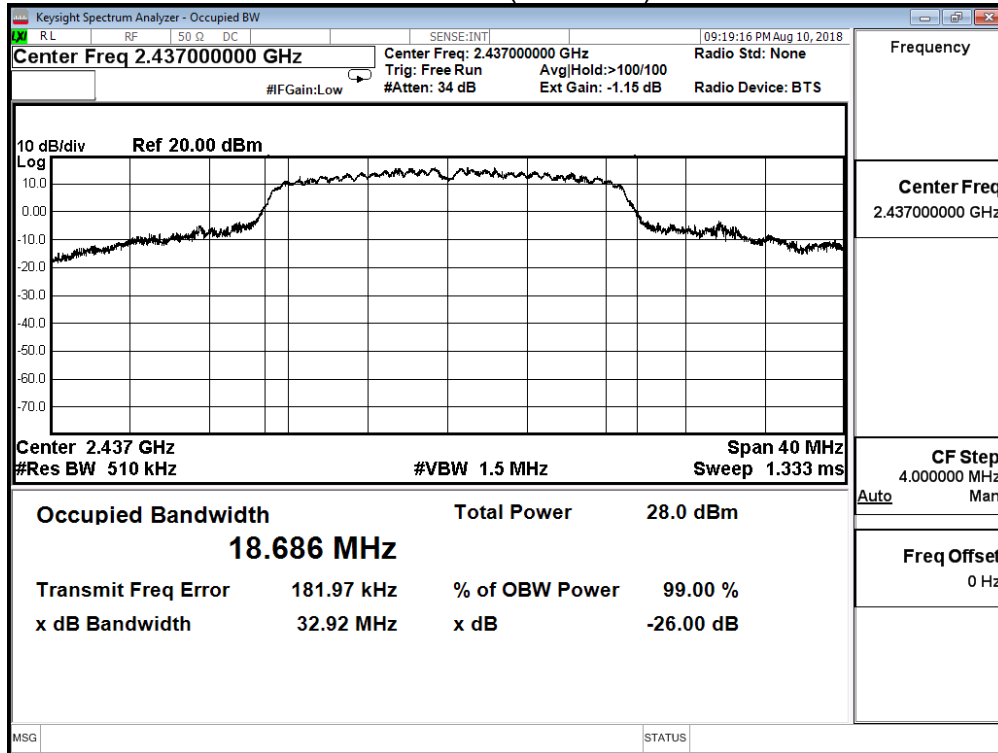
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11n 20M (ANT 2) | | | |
|--------------------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 17.667 | --- |
| 6 | 2437 | 18.686 | --- |
| 11 | 2462 | 17.638 | --- |

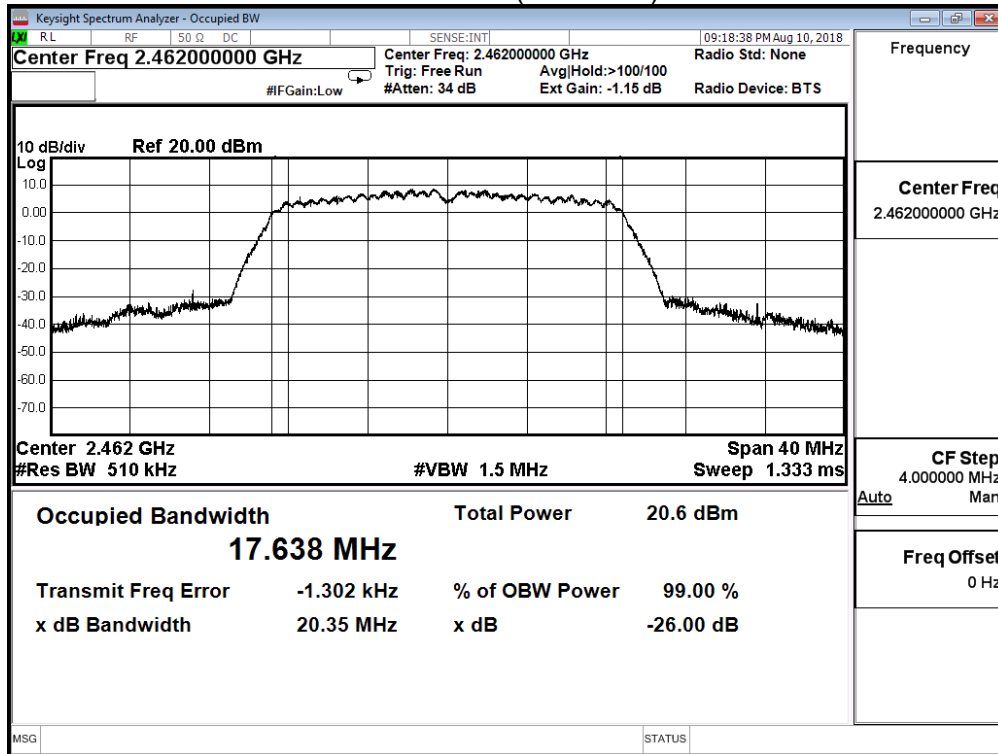
Channel 1 (2412MHz)



Channel 6 (2437MHz)



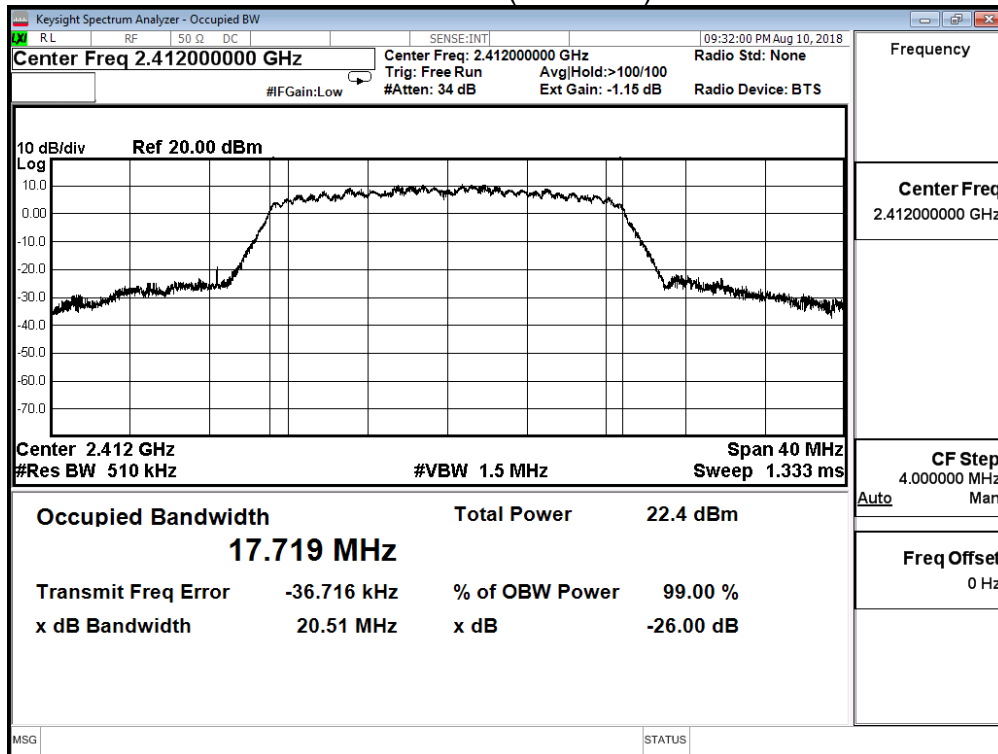
Channel 11 (2462MHz)



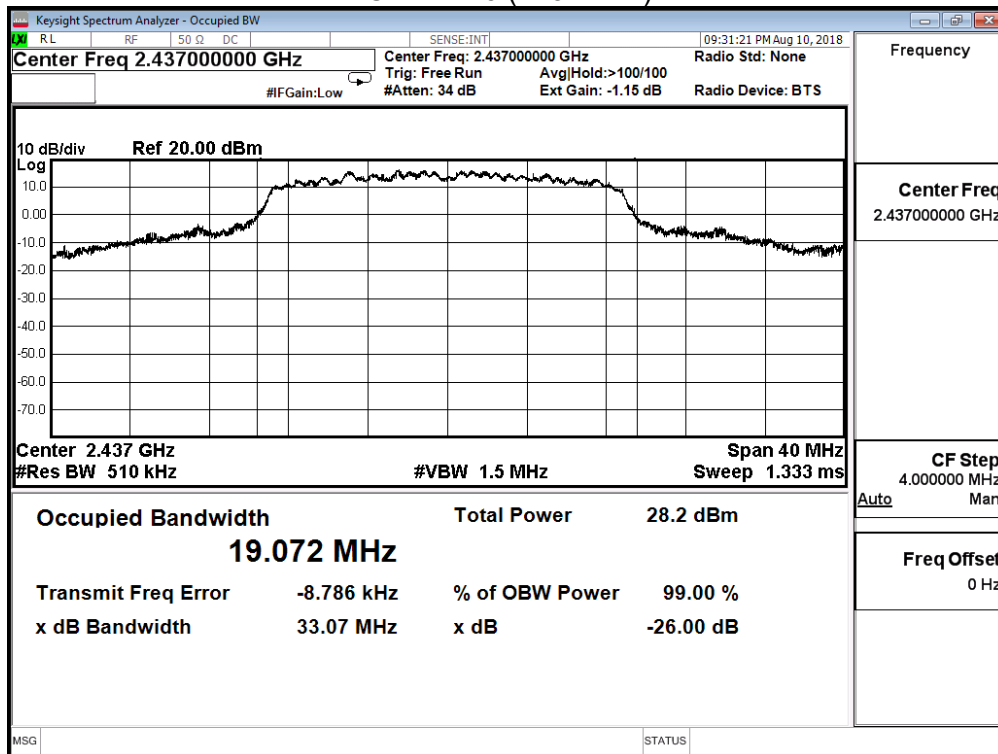
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11n 20M (ANT 3) | | | |
|--------------------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 1 | 2412 | 17.719 | --- |
| 6 | 2437 | 19.072 | --- |
| 11 | 2462 | 17.703 | --- |

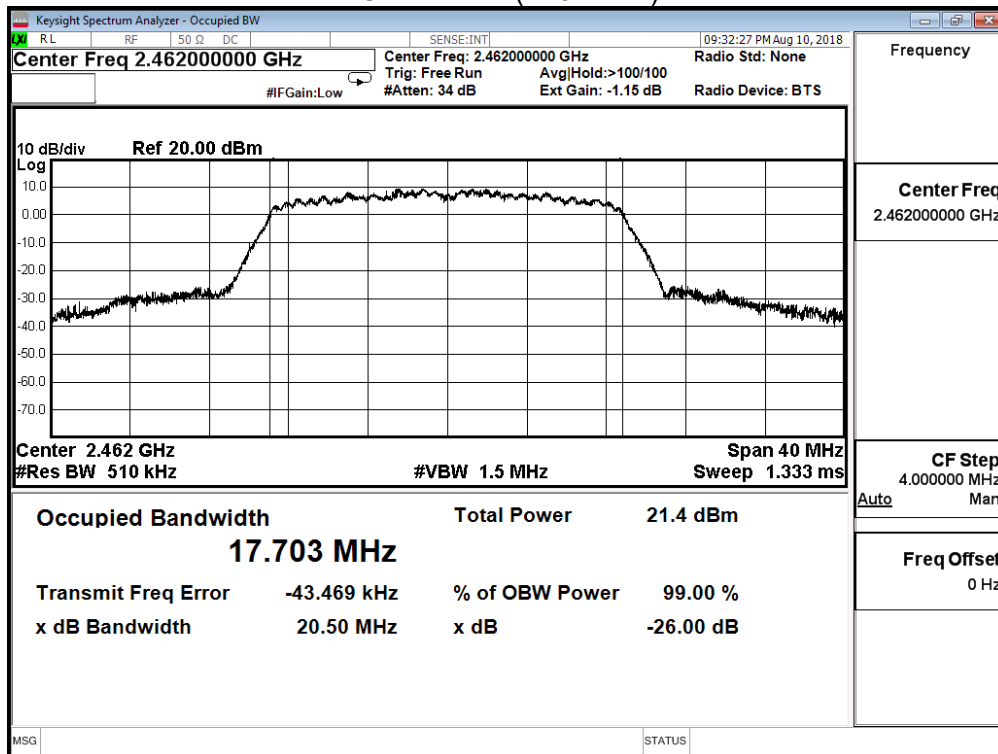
Channel 1 (2412MHz)



Channel 6 (2437MHz)



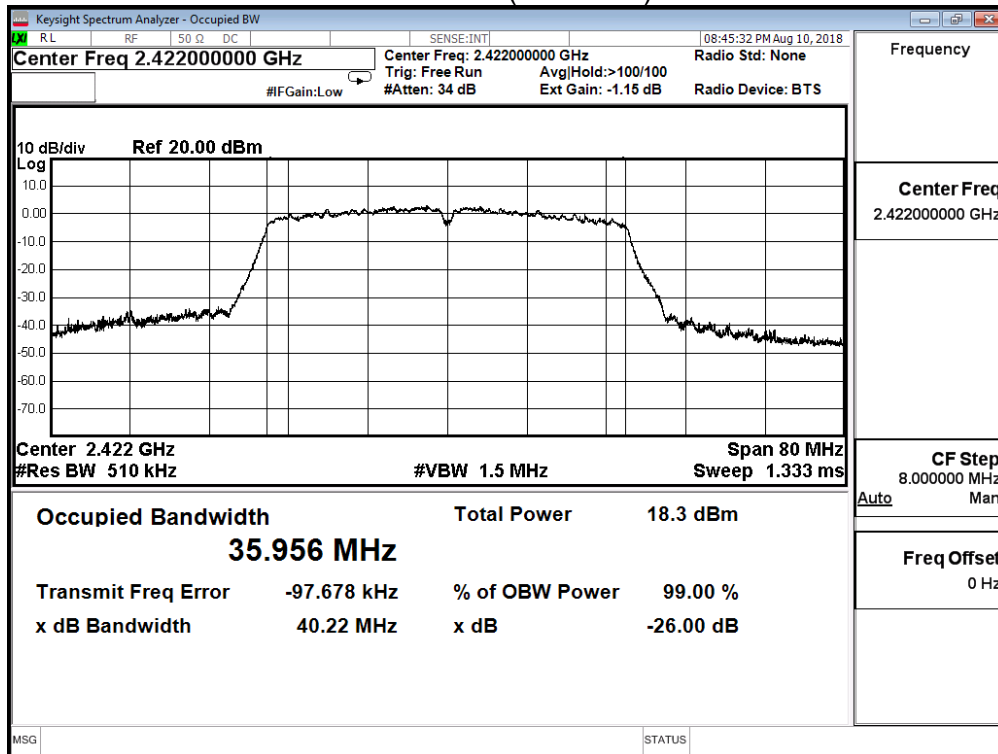
Channel 11 (2462MHz)



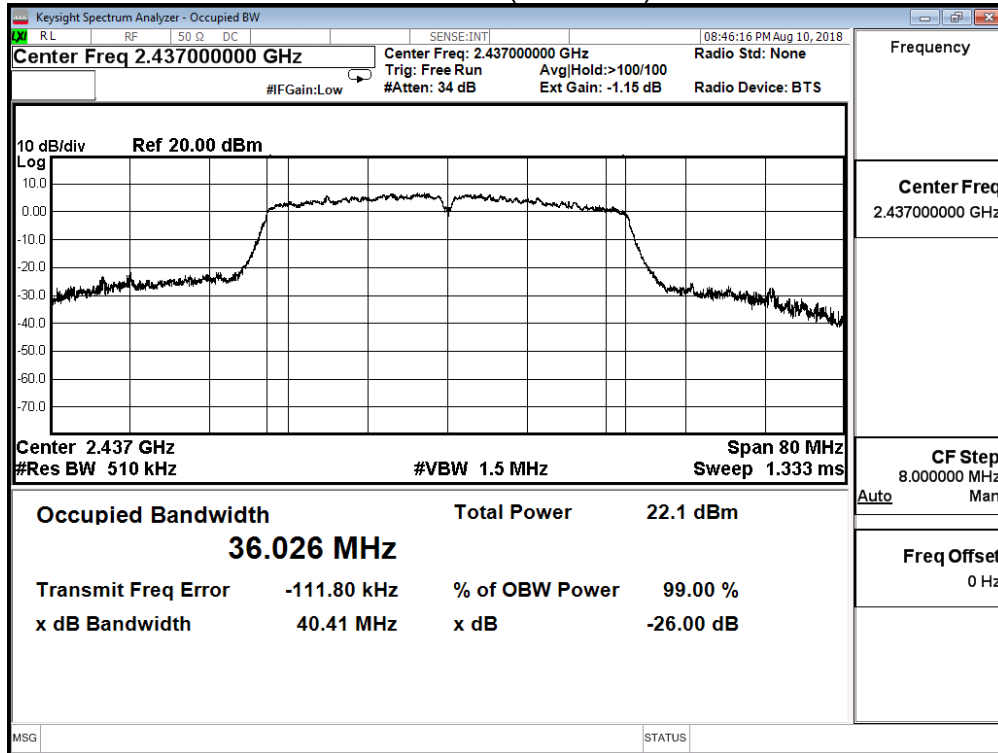
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11n 40M (ANT 0) | | | |
|--------------------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 3 | 2422 | 35.956 | --- |
| 6 | 2437 | 36.026 | --- |
| 9 | 2452 | 35.984 | --- |

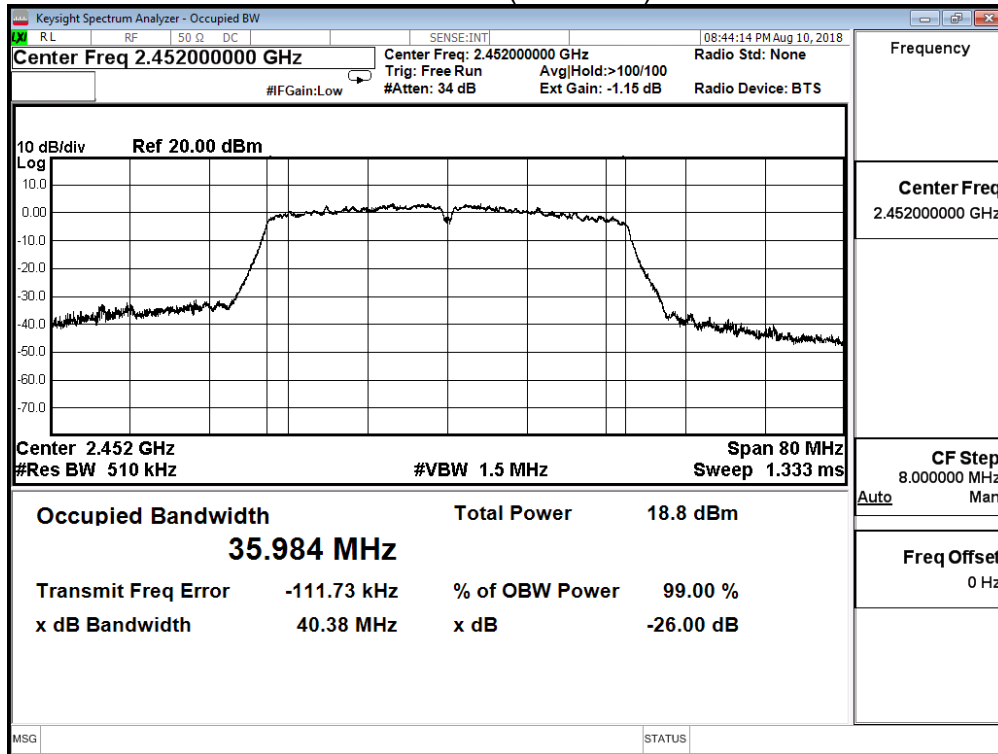
Channel 3 (2422MHz)



Channel 6 (2437MHz)



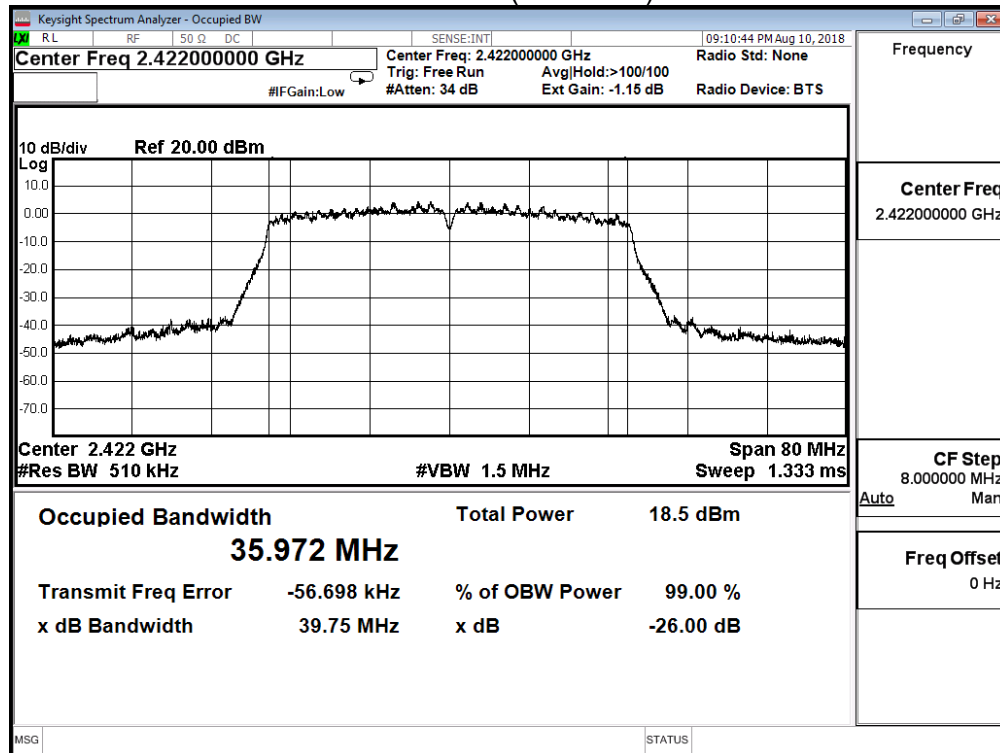
Channel 9 (2452MHz)



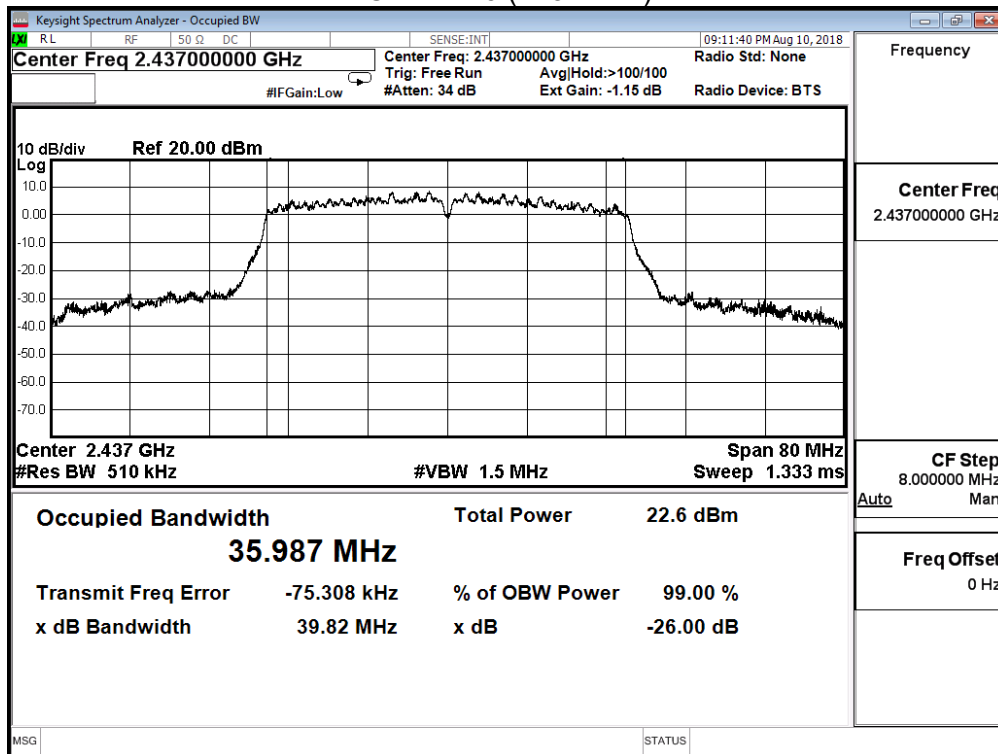
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11n 40M (ANT 1) | | | |
|--------------------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 3 | 2422 | 35.972 | --- |
| 6 | 2437 | 35.987 | --- |
| 9 | 2452 | 35.976 | --- |

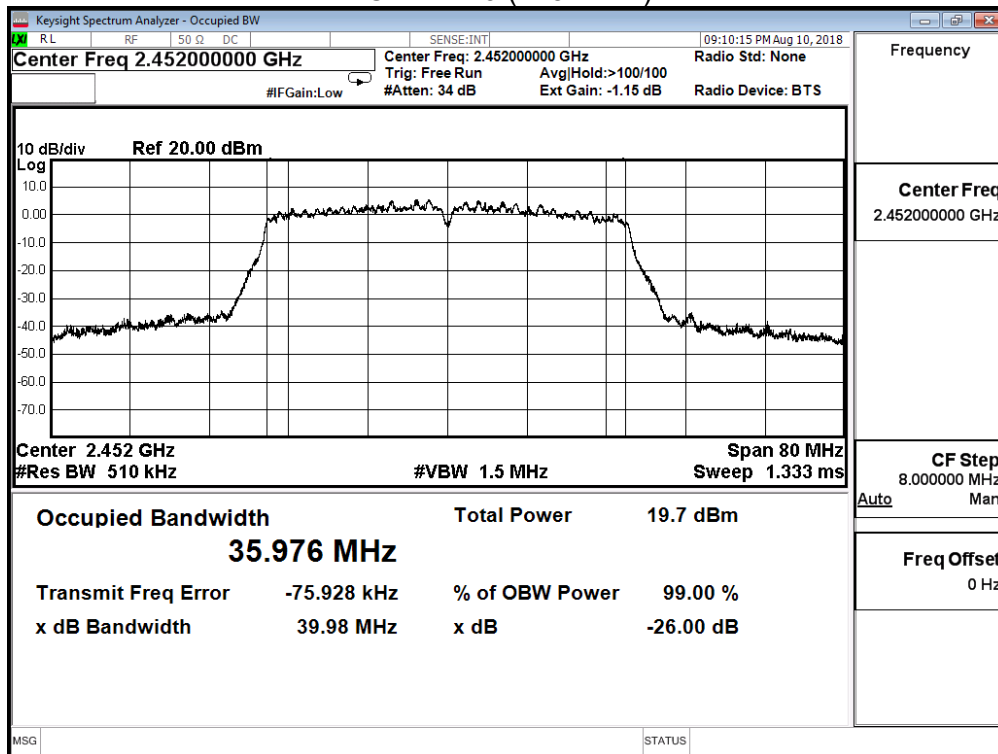
Channel 3 (2422MHz)



Channel 6 (2437MHz)



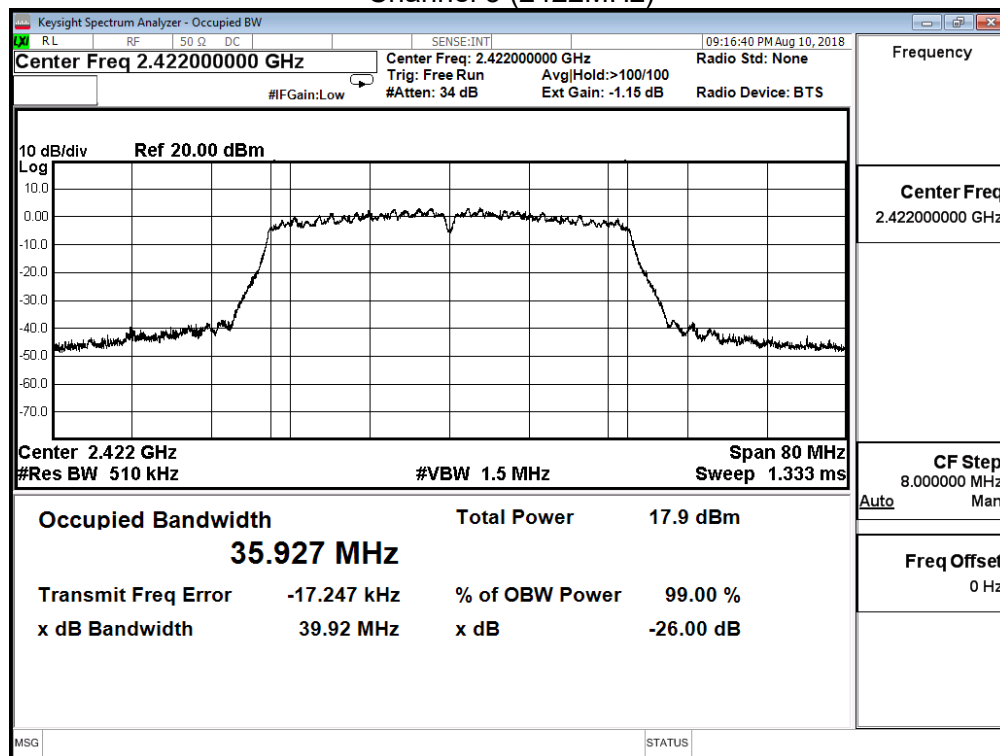
Channel 9 (2452MHz)



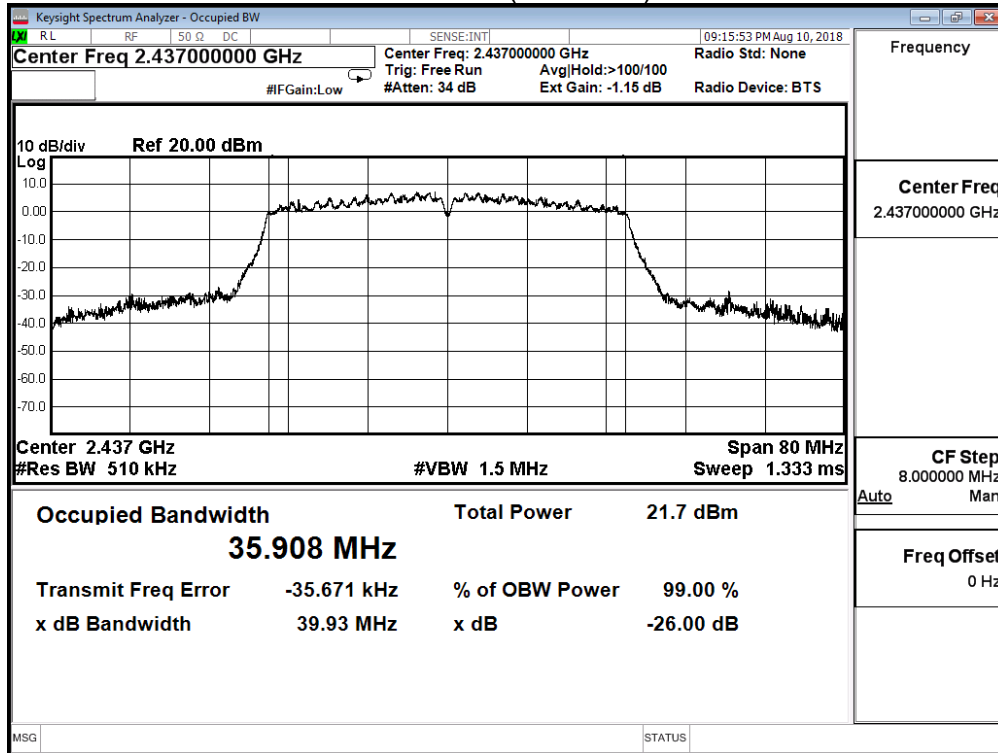
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11n 40M (ANT 2) | | | |
|--------------------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 3 | 2422 | 35.927 | --- |
| 6 | 2437 | 35.908 | --- |
| 9 | 2452 | 35.896 | --- |

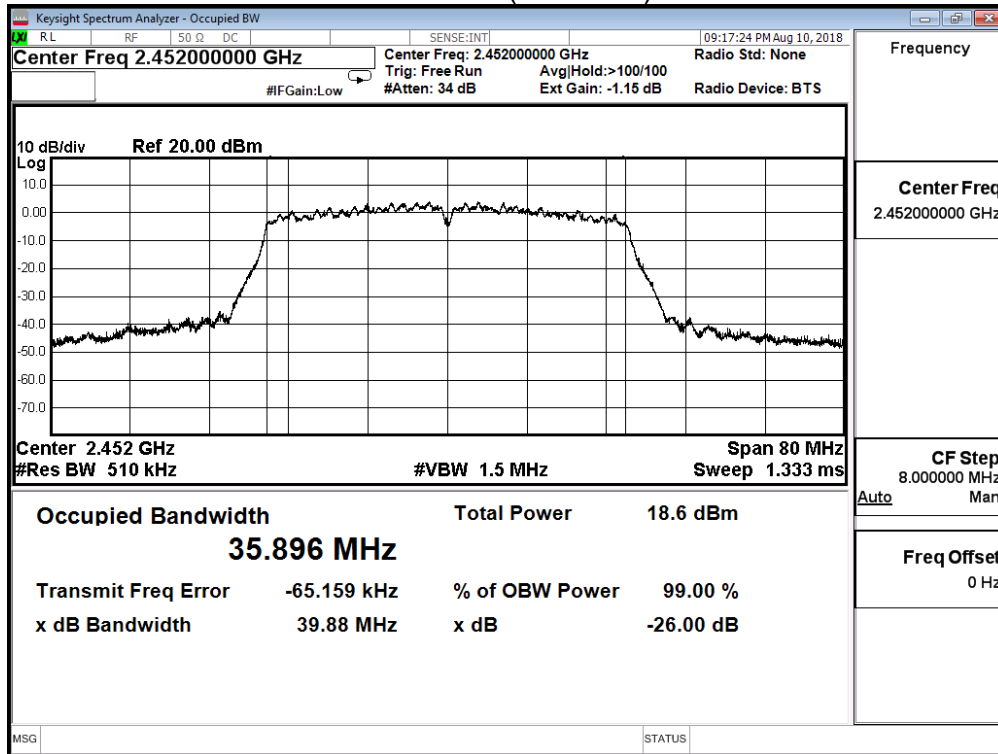
Channel 3 (2422MHz)



Channel 6 (2437MHz)



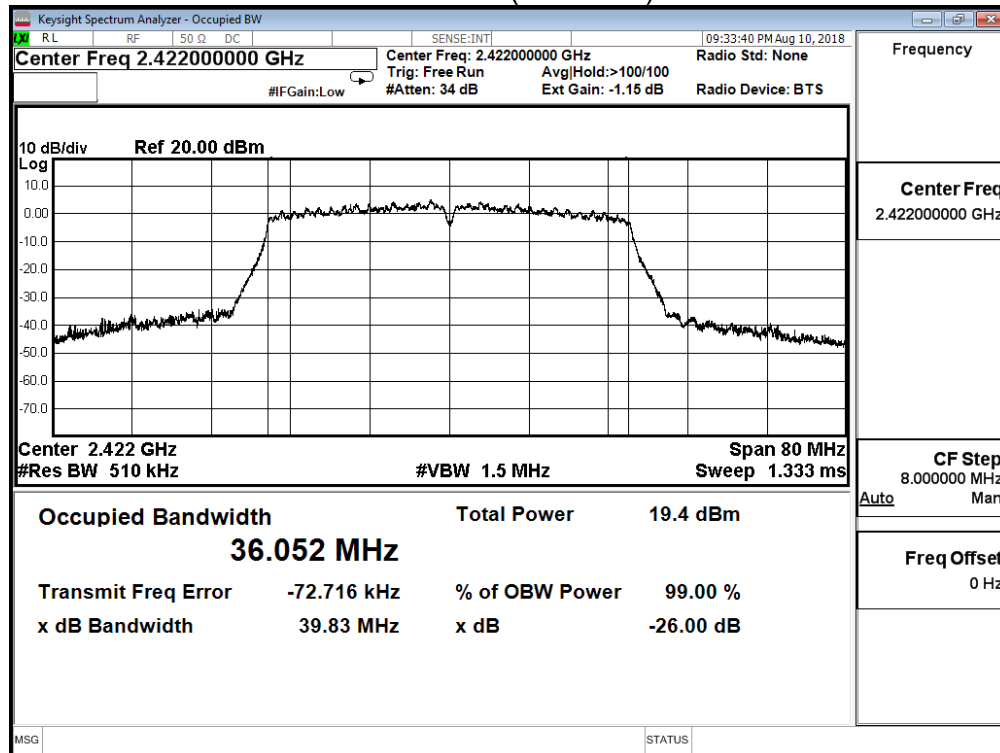
Channel 9 (2452MHz)



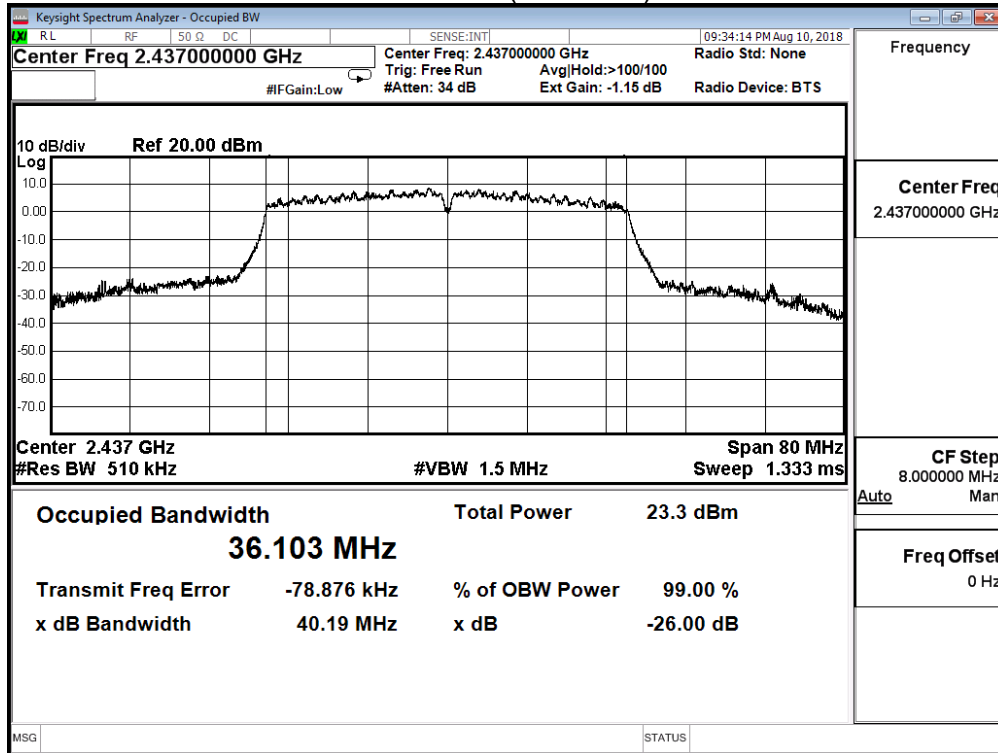
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11n 40M (ANT 3) | | | |
|--------------------------|-----------------|---------------------|-------------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) |
| 3 | 2422 | 36.052 | --- |
| 6 | 2437 | 36.103 | --- |
| 9 | 2452 | 36.054 | --- |

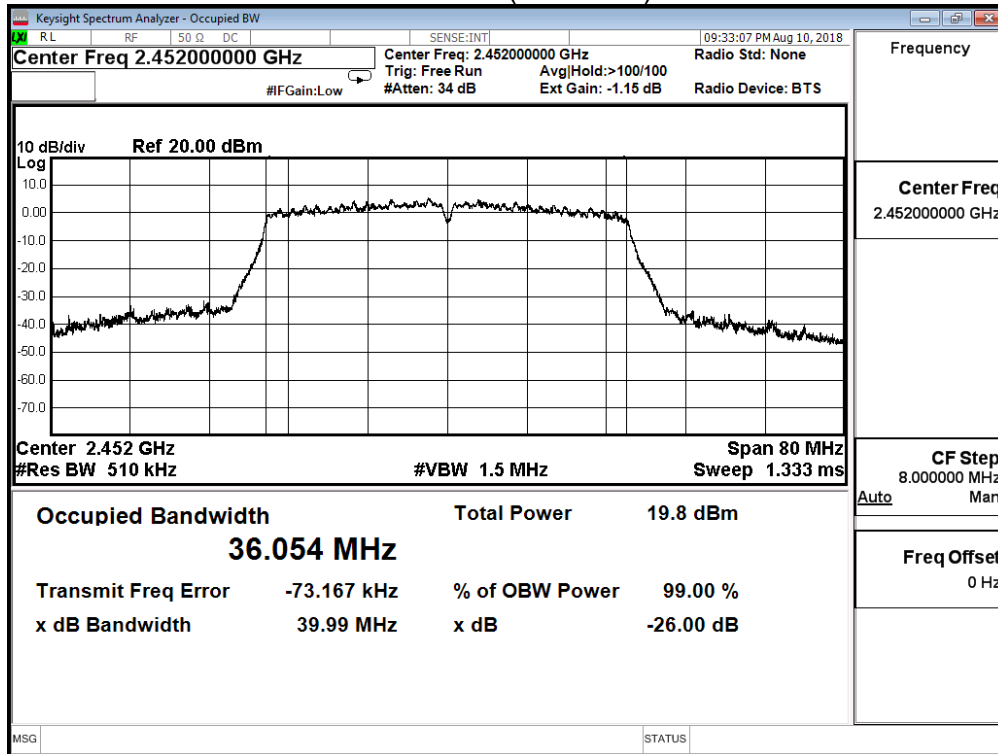
Channel 3 (2422MHz)



Channel 6 (2437MHz)

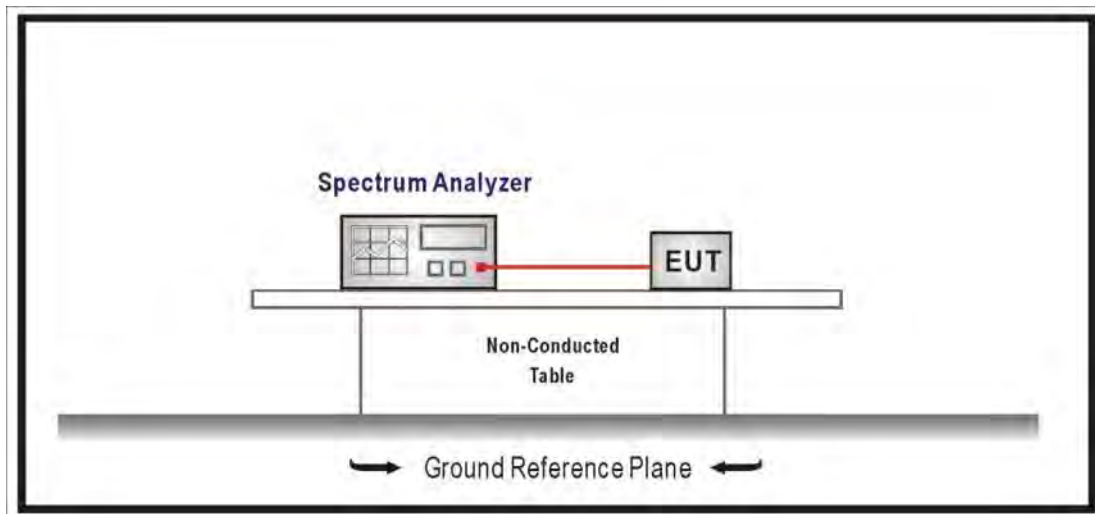


Channel 9 (2452MHz)



9. Power Density

9.1. Test Setup



9.2. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

9.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 10.2 of KDB558074 V05 for compliance to FCC 47CFR 15.247 requirements. Set $3\text{kHz} \leq \text{RBW} \leq 100\text{ kHz}$, Set $\text{VBW} \geq 3 \times \text{RBW}$, Sweep time=Auto, Set Peak detector.

9.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2017

9.5. Uncertainty

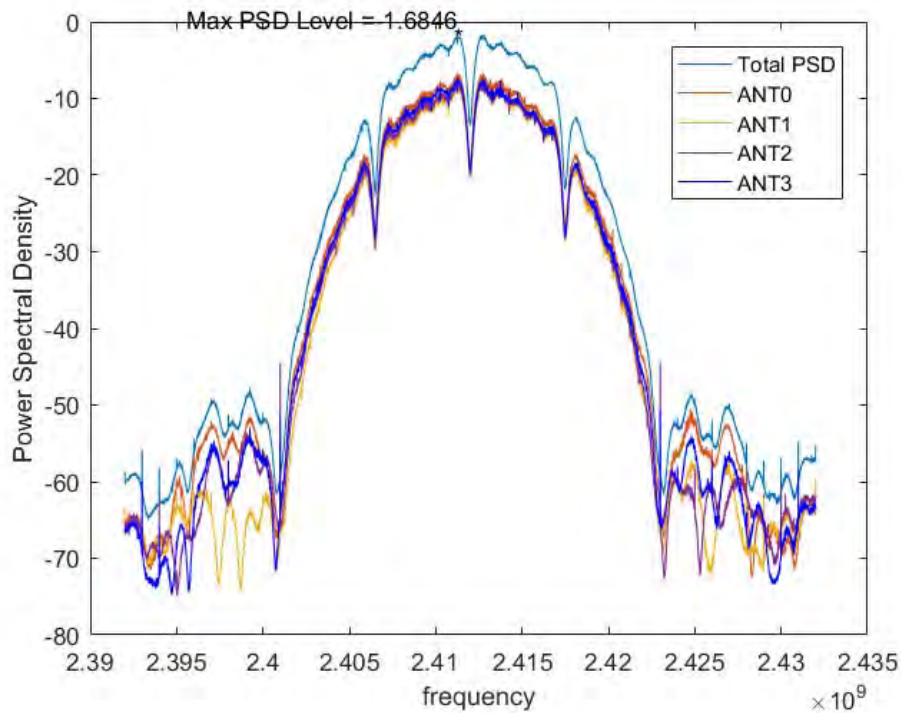
The measurement uncertainty is defined as $\pm 1.27\text{dB}$.

9.6. Test Result

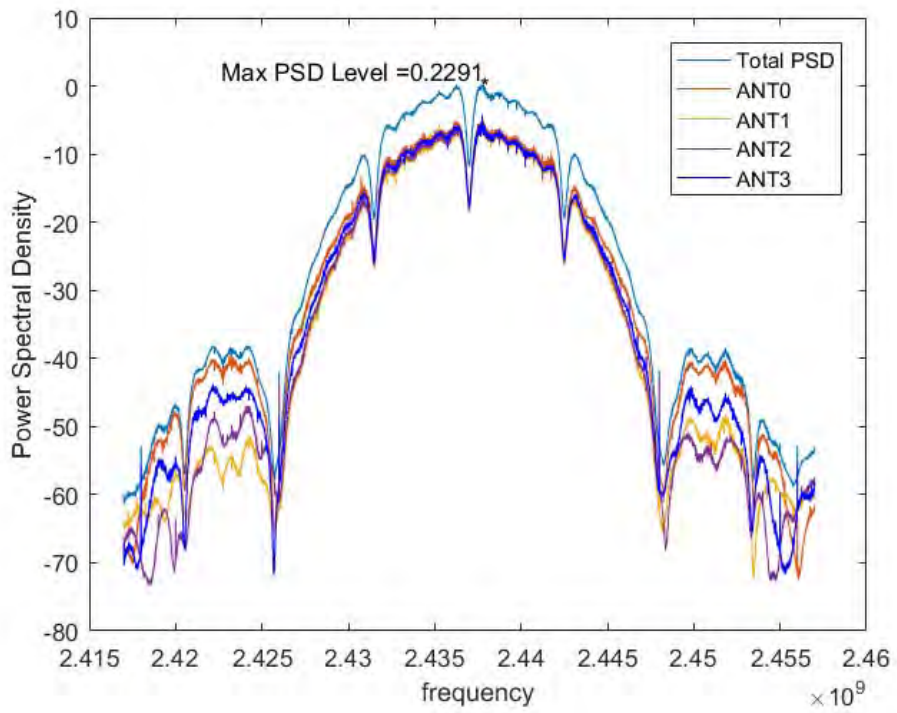
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11b (ANT 0+1+2+3) | | | | |
|----------------------------|-----------------|--------------------------|------------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm/3kHz) | Limit (dBm/3kHz) | Result |
| 1 | 2412 | -1.685 | ≤ 8 | Pass |
| 6 | 2437 | 0.229 | ≤ 8 | Pass |
| 11 | 2462 | -2.965 | ≤ 8 | Pass |

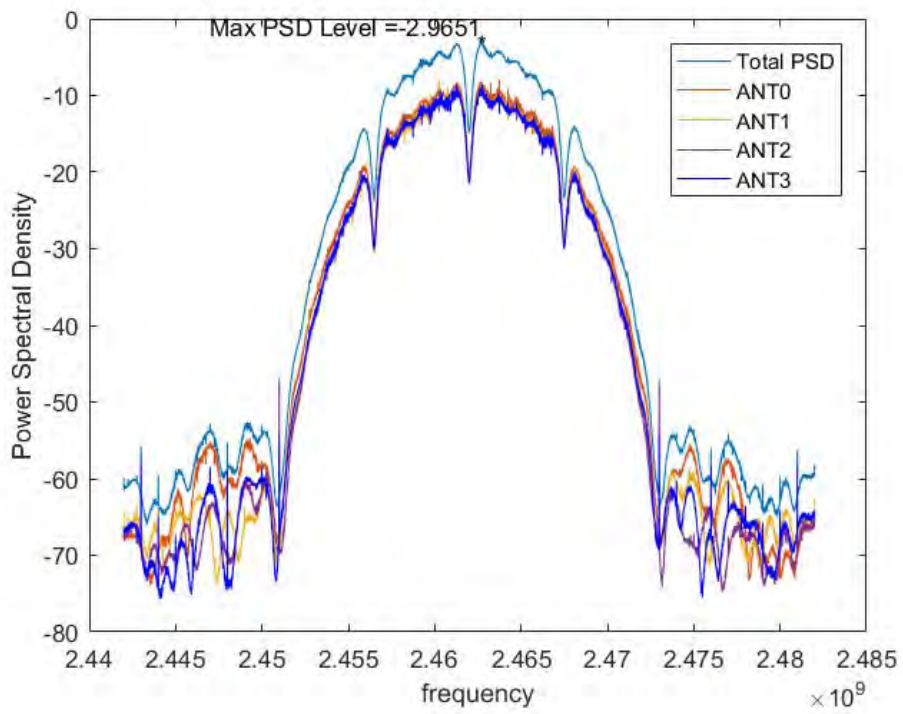
Channel 1 (2412MHz)



Channel 6 (2437MHz)



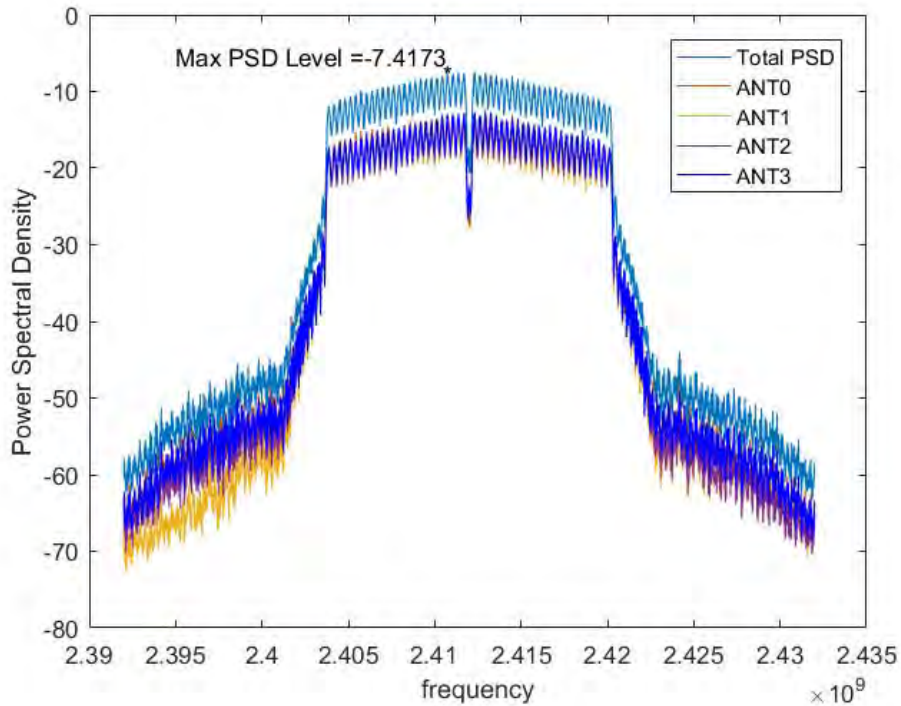
Channel 11 (2462MHz)



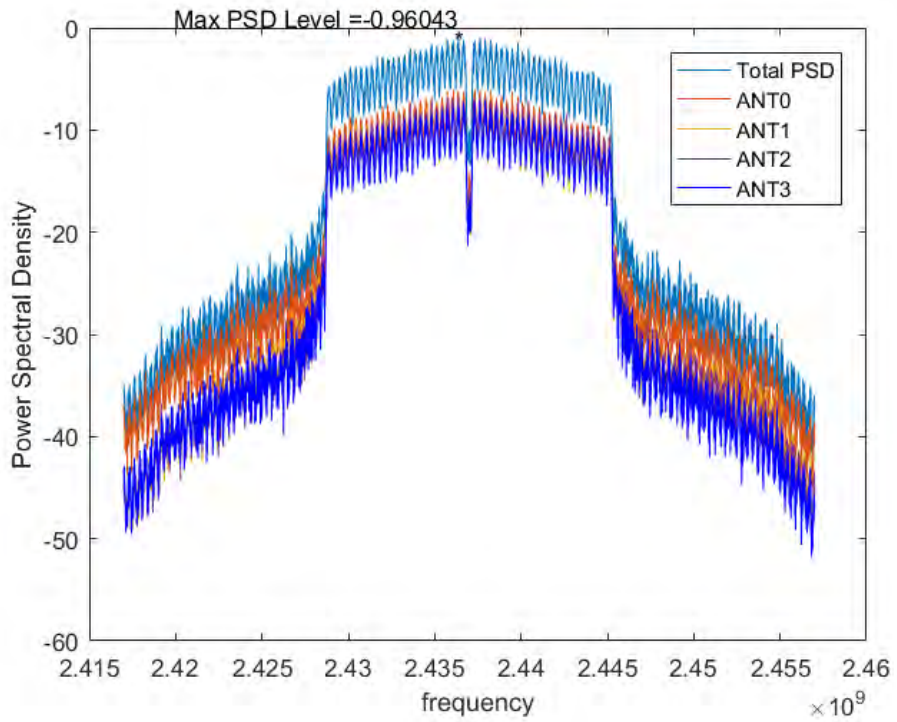
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11g (ANT 0+1+2+3) | | | | |
|----------------------------|-----------------|--------------------------|------------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm/3kHz) | Limit (dBm/3kHz) | Result |
| 1 | 2412 | -7.417 | ≤ 8 | Pass |
| 6 | 2437 | -0.960 | ≤ 8 | Pass |
| 11 | 2462 | -8.307 | ≤ 8 | Pass |

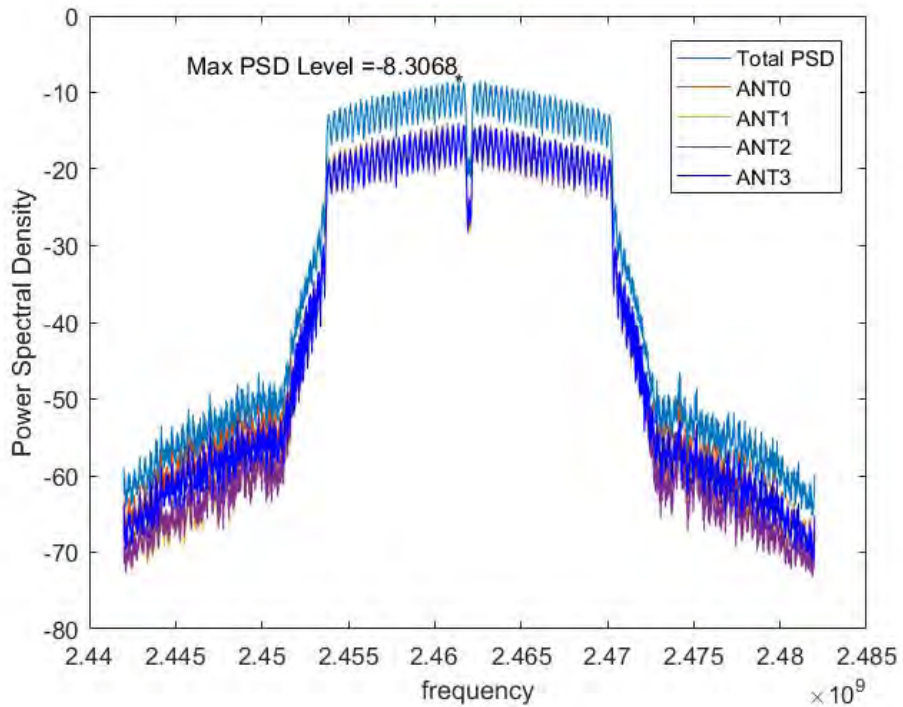
Channel 1 (2412MHz)



Channel 6 (2437MHz)



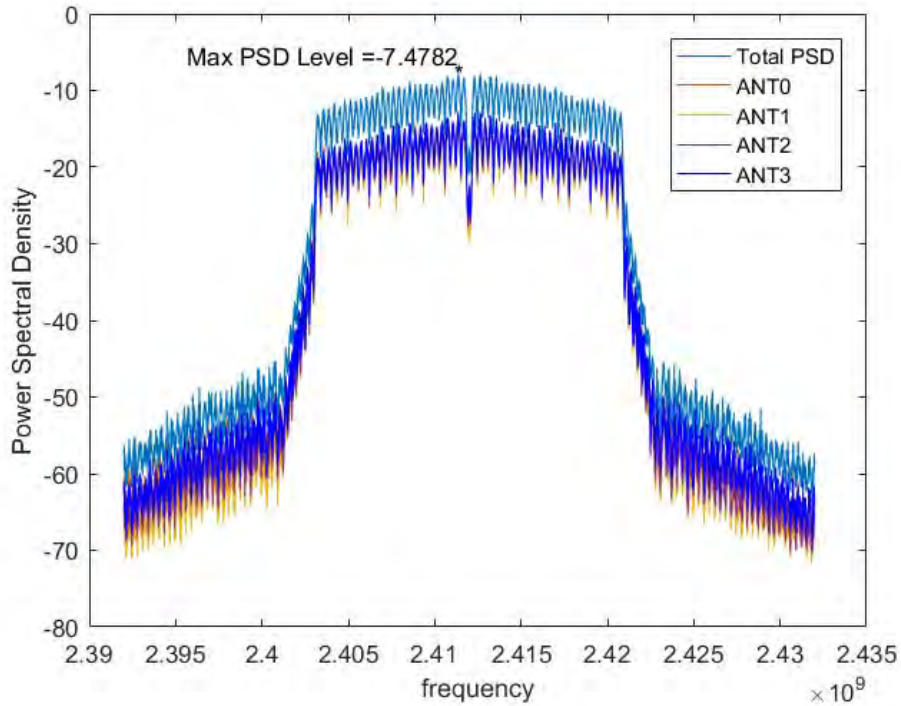
Channel 11 (2462MHz)



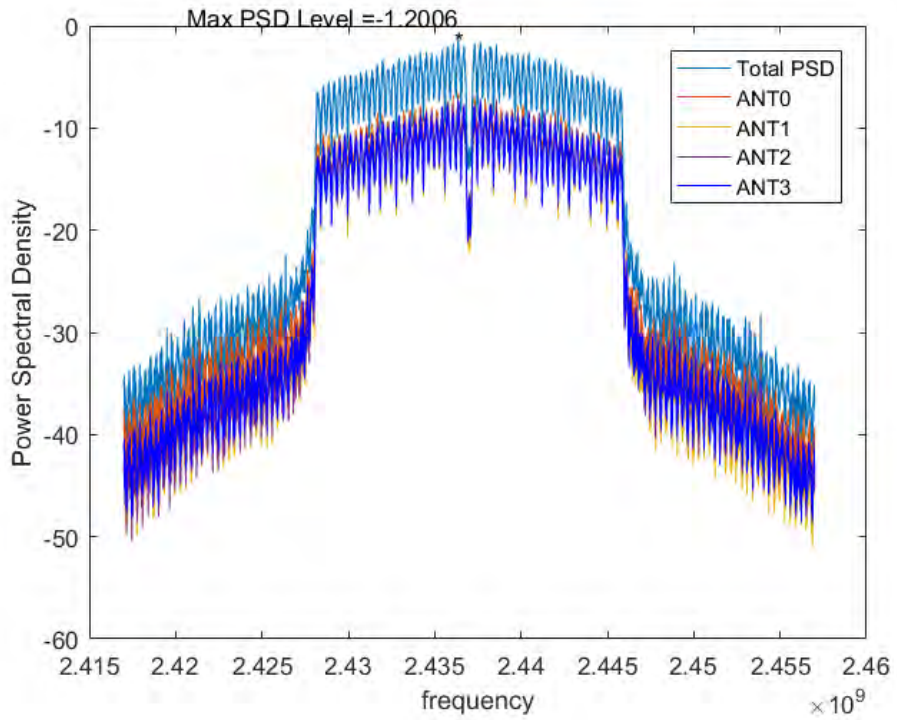
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11n 20M (ANT 0+1+2+3) | | | | |
|--------------------------------|-----------------|--------------------------|------------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm/3kHz) | Limit (dBm/3kHz) | Result |
| 1 | 2412 | -7.479 | ≤ 8 | Pass |
| 6 | 2437 | -1.201 | ≤ 8 | Pass |
| 11 | 2462 | -8.546 | ≤ 8 | Pass |

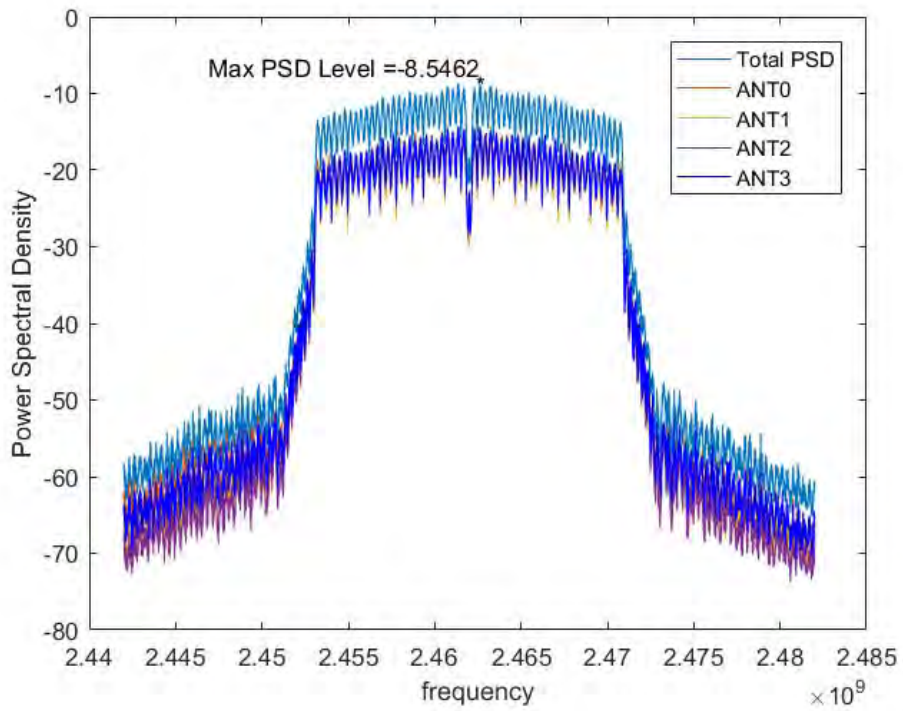
Channel 1 (2412MHz)



Channel 6 (2437MHz)



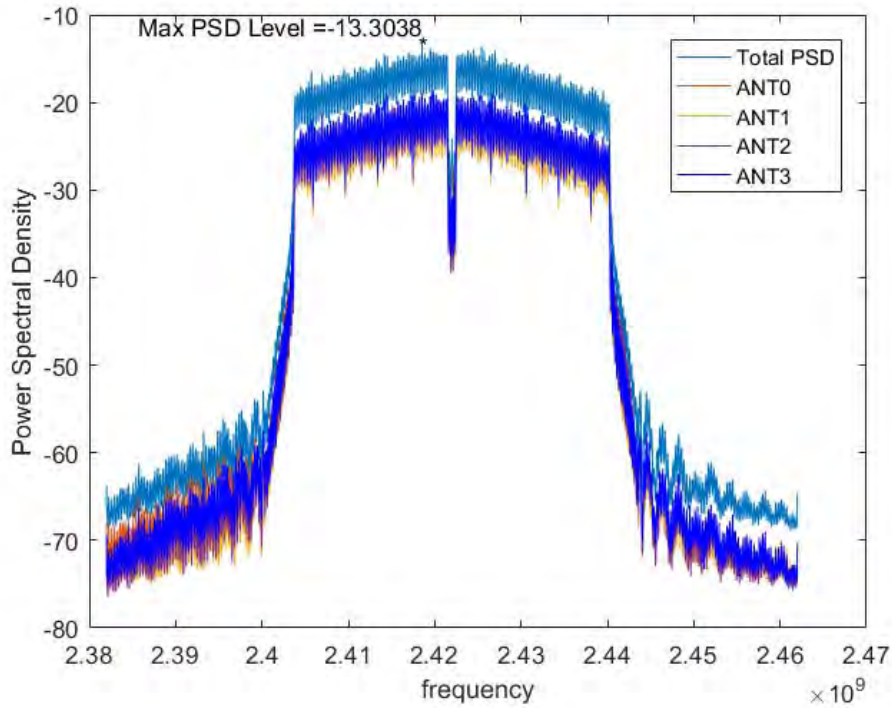
Channel 11 (2462MHz)



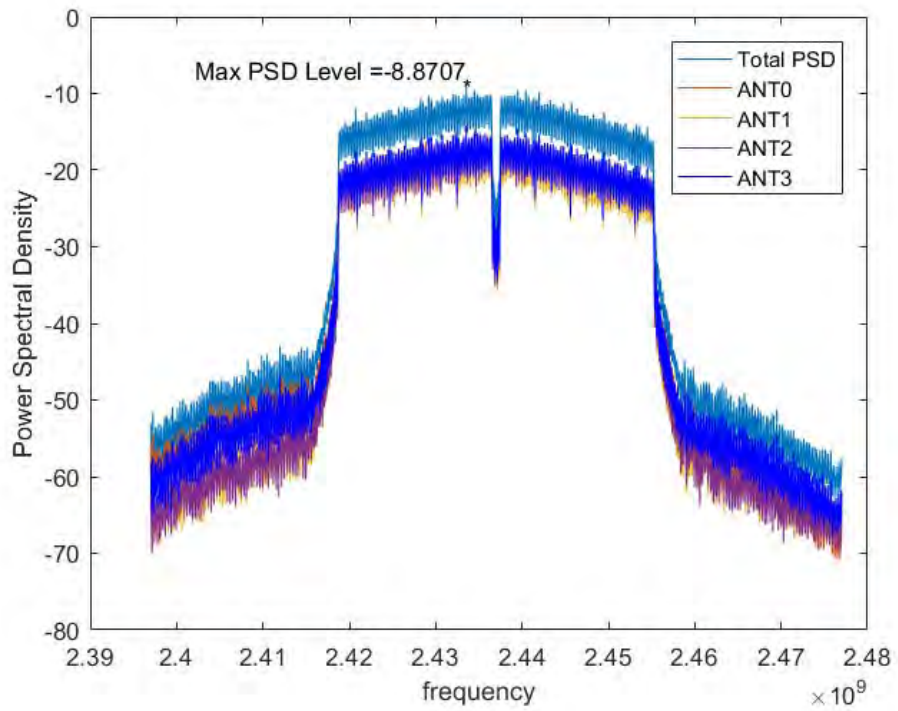
| | | | |
|--------------|--|-----------|--------|
| Product | Wireless-AC2400 Dual Band Gigabit Router Wireless-AC2600 Dual Band Gigabit Router | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Transmit Mode_CDD_WA-30P12FU | | |
| Date of Test | 2018/08/10 | Test Site | SR10-H |

| IEEE 802.11n 40M (ANT 0+1+2+3) | | | | |
|--------------------------------|-----------------|--------------------------|------------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm/3kHz) | Limit (dBm/3kHz) | Result |
| 3 | 2422 | -13.304 | ≤ 8 | Pass |
| 6 | 2437 | -8.871 | ≤ 8 | Pass |
| 9 | 2452 | -12.490 | ≤ 8 | Pass |

Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)

