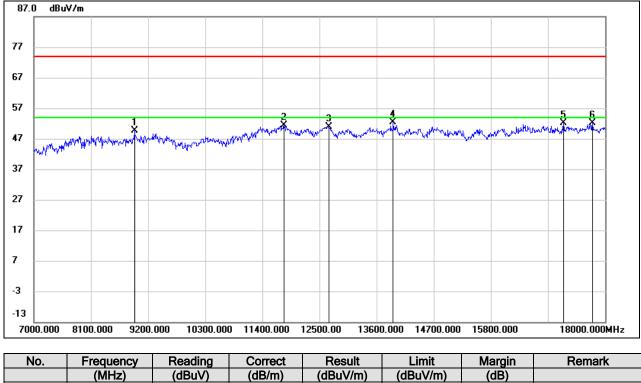


HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



| 110. | Trequency | ricduing | Ooncol | rtcourt | LIIIIC | Intergin | Remark |
|------|-----------|----------|--------|----------|----------|----------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8936.000 | 38.49 | 11.10 | 49.59 | 74.00 | -24.41 | peak |
| 2 | 11818.000 | 34.78 | 16.68 | 51.46 | 74.00 | -22.54 | peak |
| 3 | 12687.000 | 34.16 | 16.82 | 50.98 | 74.00 | -23.02 | peak |
| 4 | 13919.000 | 34.43 | 17.97 | 52.40 | 74.00 | -21.60 | peak |
| 5 | 17197.000 | 29.60 | 22.46 | 52.06 | 74.00 | -21.94 | peak |
| 6 | 17758.000 | 28.45 | 23.66 | 52.11 | 74.00 | -21.89 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

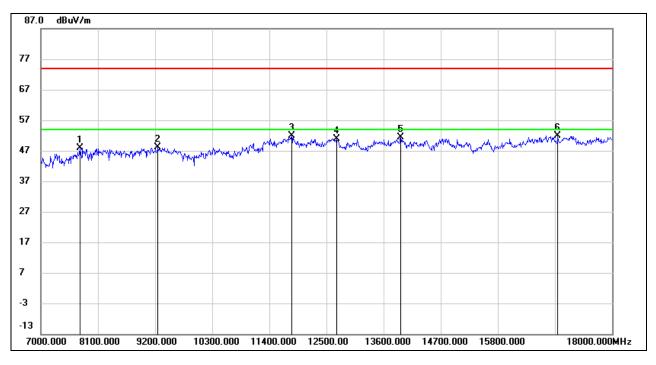
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7748.000 | 38.59 | 9.29 | 47.88 | 74.00 | -26.12 | peak |
| 2 | 9255.000 | 37.35 | 10.80 | 48.15 | 74.00 | -25.85 | peak |
| 3 | 11829.000 | 35.23 | 16.67 | 51.90 | 74.00 | -22.10 | peak |
| 4 | 12698.000 | 34.17 | 16.81 | 50.98 | 74.00 | -23.02 | peak |
| 5 | 13930.000 | 33.45 | 17.97 | 51.42 | 74.00 | -22.58 | peak |
| 6 | 16955.000 | 30.61 | 21.28 | 51.89 | 74.00 | -22.11 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

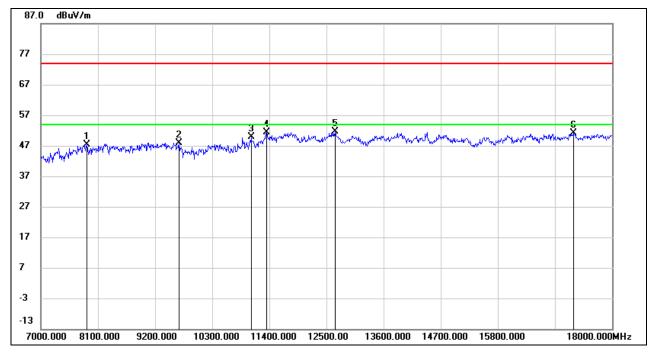
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7891.000 | 38.23 | 9.24 | 47.47 | 74.00 | -26.53 | peak |
| 2 | 9662.000 | 36.20 | 11.72 | 47.92 | 74.00 | -26.08 | peak |
| 3 | 11048.000 | 35.42 | 14.53 | 49.95 | 74.00 | -24.05 | peak |
| 4 | 11345.000 | 36.21 | 15.29 | 51.50 | 74.00 | -22.50 | peak |
| 5 | 12665.000 | 34.88 | 16.82 | 51.70 | 74.00 | -22.30 | peak |
| 6 | 17263.000 | 28.86 | 22.28 | 51.14 | 74.00 | -22.86 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

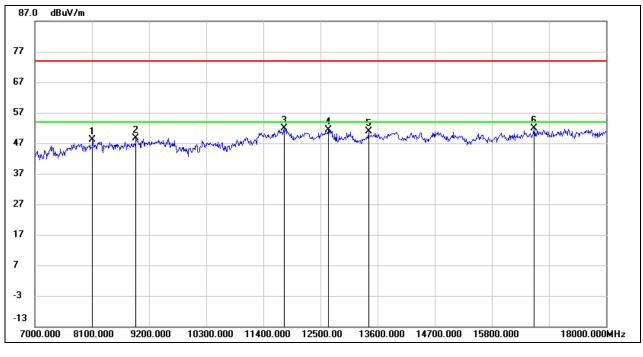
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8111.000 | 38.34 | 9.83 | 48.17 | 74.00 | -25.83 | peak |
| 2 | 8947.000 | 37.46 | 11.21 | 48.67 | 74.00 | -25.33 | peak |
| 3 | 11796.000 | 35.16 | 16.69 | 51.85 | 74.00 | -22.15 | peak |
| 4 | 12654.000 | 34.49 | 16.81 | 51.30 | 74.00 | -22.70 | peak |
| 5 | 13424.000 | 33.41 | 17.43 | 50.84 | 74.00 | -23.16 | peak |
| 6 | 16614.000 | 31.01 | 20.80 | 51.81 | 74.00 | -22.19 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

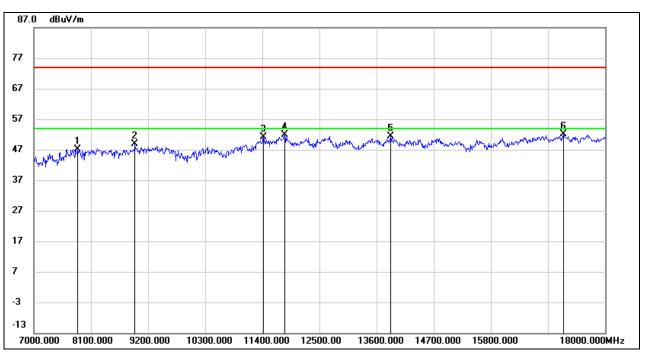
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



STRADDLE CHANNEL 142



HARMONICS AND SPURIOUS EMISSIONS (HORIZONTAL)

| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7847.000 | 37.89 | 9.35 | 47.24 | 74.00 | -26.76 | peak |
| 2 | 8947.000 | 37.64 | 11.21 | 48.85 | 74.00 | -25.15 | peak |
| 3 | 11422.000 | 35.73 | 15.47 | 51.20 | 74.00 | -22.80 | peak |
| 4 | 11829.000 | 35.25 | 16.67 | 51.92 | 74.00 | -22.08 | peak |
| 5 | 13875.000 | 33.40 | 18.04 | 51.44 | 74.00 | -22.56 | peak |
| 6 | 17197.000 | 29.72 | 22.46 | 52.18 | 74.00 | -21.82 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

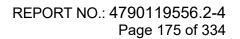
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.

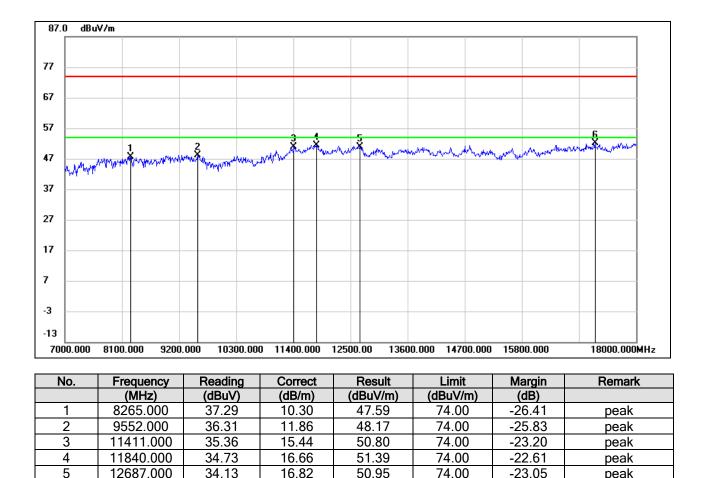
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.





HARMONICS AND SPURIOUS EMISSIONS (VERTICAL)



Note: 1. Measurement = Reading Level + Correct Factor.

29.78

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

52.23

74.00

-21.77

peak

3. Peak: Peak detector.

17208.000

6

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

22.45

5. For the transmitting duration, please refer to clause 7.1.

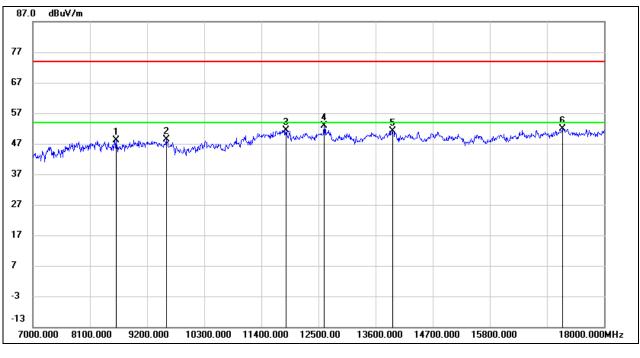
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



UNII-3 BAND

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8606.000 | 38.47 | 9.71 | 48.18 | 74.00 | -25.82 | peak |
| 2 | 9574.000 | 36.46 | 11.90 | 48.36 | 74.00 | -25.64 | peak |
| 3 | 11873.000 | 34.82 | 16.63 | 51.45 | 74.00 | -22.55 | peak |
| 4 | 12610.000 | 36.07 | 16.82 | 52.89 | 74.00 | -21.11 | peak |
| 5 | 13930.000 | 33.26 | 17.97 | 51.23 | 74.00 | -22.77 | peak |
| 6 | 17197.000 | 29.34 | 22.46 | 51.80 | 74.00 | -22.20 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

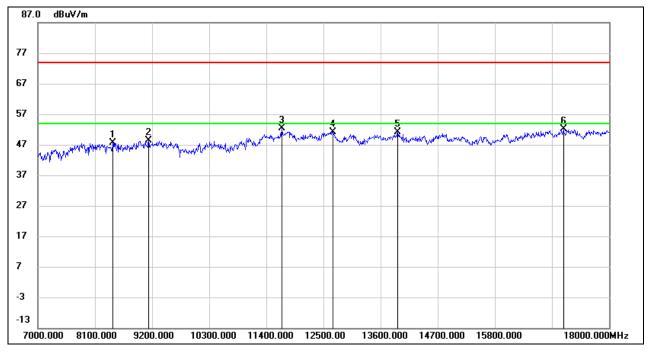
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8441.000 | 37.93 | 9.77 | 47.70 | 74.00 | -26.30 | peak |
| 2 | 9134.000 | 37.43 | 10.95 | 48.38 | 74.00 | -25.62 | peak |
| 3 | 11697.000 | 36.12 | 16.24 | 52.36 | 74.00 | -21.64 | peak |
| 4 | 12687.000 | 34.41 | 16.82 | 51.23 | 74.00 | -22.77 | peak |
| 5 | 13930.000 | 33.23 | 17.97 | 51.20 | 74.00 | -22.80 | peak |
| 6 | 17120.000 | 30.01 | 22.03 | 52.04 | 74.00 | -21.96 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

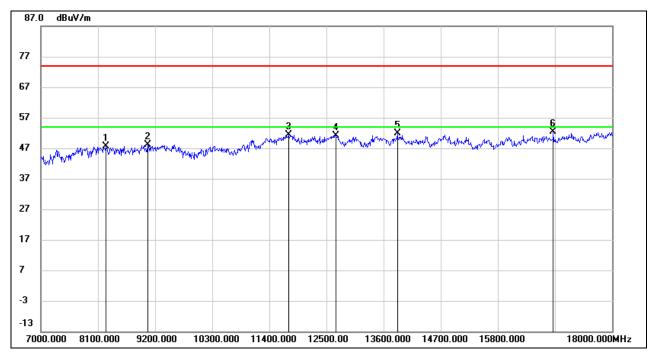
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8254.000 | 37.25 | 10.34 | 47.59 | 74.00 | -26.41 | peak |
| 2 | 9057.000 | 36.83 | 11.40 | 48.23 | 74.00 | -25.77 | peak |
| 3 | 11774.000 | 34.87 | 16.58 | 51.45 | 74.00 | -22.55 | peak |
| 4 | 12676.000 | 34.40 | 16.81 | 51.21 | 74.00 | -22.79 | peak |
| 5 | 13864.000 | 33.73 | 18.03 | 51.76 | 74.00 | -22.24 | peak |
| 6 | 16867.000 | 31.23 | 21.12 | 52.35 | 74.00 | -21.65 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

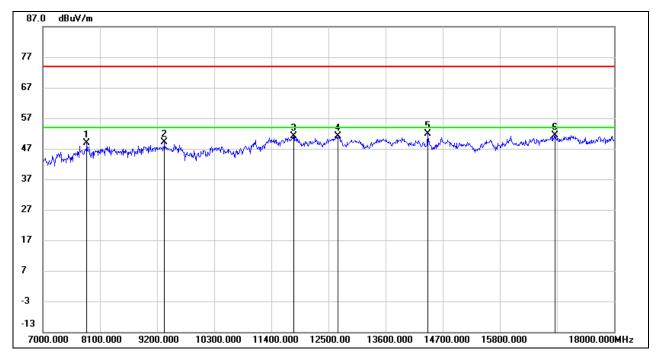
3. Peak: Peak detector.

4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7847.000 | 39.55 | 9.35 | 48.90 | 74.00 | -25.10 | peak |
| 2 | 9343.000 | 37.89 | 11.19 | 49.08 | 74.00 | -24.92 | peak |
| 3 | 11829.000 | 34.58 | 16.67 | 51.25 | 74.00 | -22.75 | peak |
| 4 | 12676.000 | 34.20 | 16.81 | 51.01 | 74.00 | -22.99 | peak |
| 5 | 14414.000 | 34.03 | 17.91 | 51.94 | 74.00 | -22.06 | peak |
| 6 | 16856.000 | 30.40 | 21.10 | 51.50 | 74.00 | -22.50 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

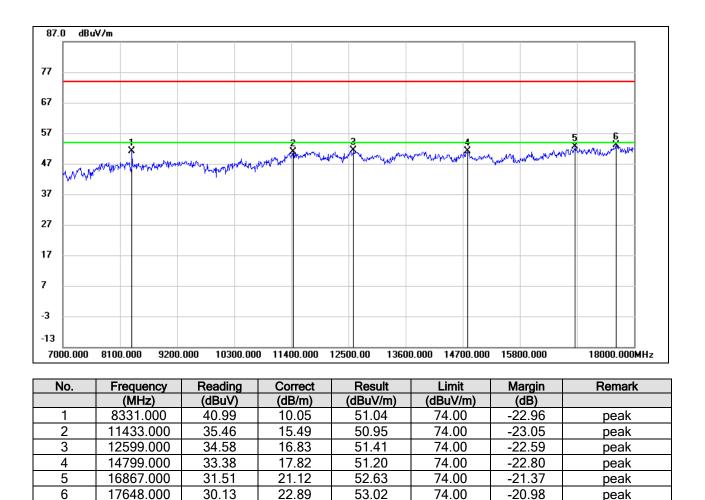
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



8.3.4. 802.11ac VHT80 MIMO MODE

UNII-1 BAND



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

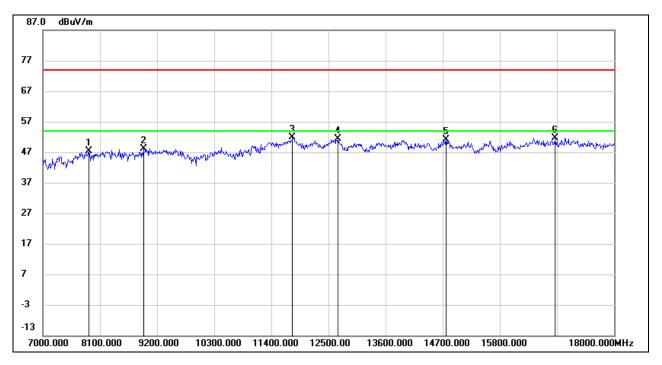
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7880.000 | 38.01 | 9.26 | 47.27 | 74.00 | -26.73 | peak |
| 2 | 8936.000 | 37.04 | 11.10 | 48.14 | 74.00 | -25.86 | peak |
| 3 | 11807.000 | 35.20 | 16.70 | 51.90 | 74.00 | -22.10 | peak |
| 4 | 12687.000 | 34.57 | 16.82 | 51.39 | 74.00 | -22.61 | peak |
| 5 | 14766.000 | 33.34 | 17.78 | 51.12 | 74.00 | -22.88 | peak |
| 6 | 16867.000 | 30.57 | 21.12 | 51.69 | 74.00 | -22.31 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

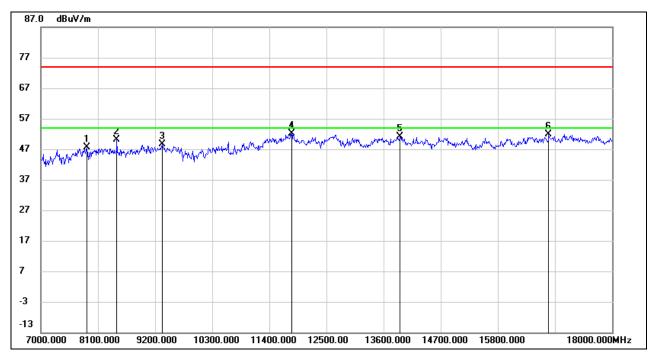
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



UNII-2A BAND





| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7880.000 | 38.43 | 9.26 | 47.69 | 74.00 | -26.31 | peak |
| 2 | 8463.000 | 40.39 | 9.75 | 50.14 | 74.00 | -23.86 | peak |
| 3 | 9332.000 | 37.42 | 11.15 | 48.57 | 74.00 | -25.43 | peak |
| 4 | 11829.000 | 35.53 | 16.67 | 52.20 | 74.00 | -21.80 | peak |
| 5 | 13919.000 | 33.12 | 17.97 | 51.09 | 74.00 | -22.91 | peak |
| 6 | 16779.000 | 30.85 | 20.98 | 51.83 | 74.00 | -22.17 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

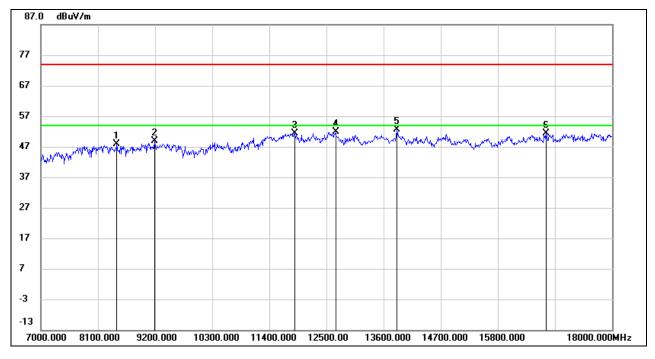
3. Peak: Peak detector.

4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8463.000 | 38.08 | 9.75 | 47.83 | 74.00 | -26.17 | peak |
| 2 | 9189.000 | 38.14 | 10.63 | 48.77 | 74.00 | -25.23 | peak |
| 3 | 11884.000 | 34.64 | 16.62 | 51.26 | 74.00 | -22.74 | peak |
| 4 | 12676.000 | 34.95 | 16.81 | 51.76 | 74.00 | -22.24 | peak |
| 5 | 13853.000 | 34.54 | 18.05 | 52.59 | 74.00 | -21.41 | peak |
| 6 | 16724.000 | 30.51 | 20.92 | 51.43 | 74.00 | -22.57 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

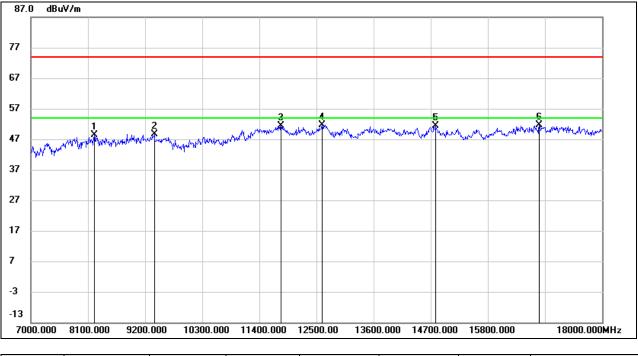
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



UNII-2C BAND



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8221.000 | 37.86 | 10.46 | 48.32 | 74.00 | -25.68 | peak |
| 2 | 9376.000 | 37.40 | 11.34 | 48.74 | 74.00 | -25.26 | peak |
| 3 | 11818.000 | 34.76 | 16.68 | 51.44 | 74.00 | -22.56 | peak |
| 4 | 12610.000 | 34.91 | 16.82 | 51.73 | 74.00 | -22.27 | peak |
| 5 | 14799.000 | 33.63 | 17.82 | 51.45 | 74.00 | -22.55 | peak |
| 6 | 16790.000 | 30.58 | 20.99 | 51.57 | 74.00 | -22.43 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

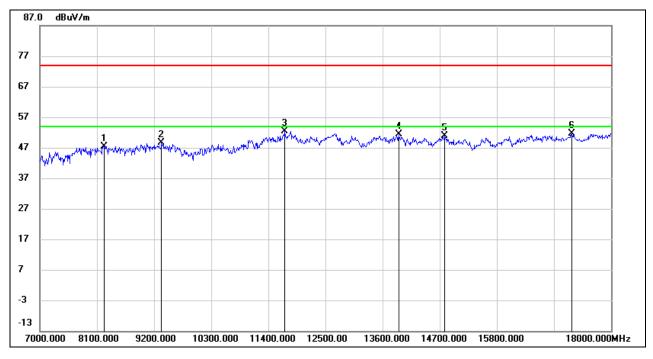
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8232.000 | 36.95 | 10.41 | 47.36 | 74.00 | -26.64 | peak |
| 2 | 9343.000 | 37.54 | 11.19 | 48.73 | 74.00 | -25.27 | peak |
| 3 | 11719.000 | 36.04 | 16.34 | 52.38 | 74.00 | -21.62 | peak |
| 4 | 13908.000 | 33.27 | 17.99 | 51.26 | 74.00 | -22.74 | peak |
| 5 | 14799.000 | 32.99 | 17.82 | 50.81 | 74.00 | -23.19 | peak |
| 6 | 17241.000 | 29.26 | 22.34 | 51.60 | 74.00 | -22.40 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

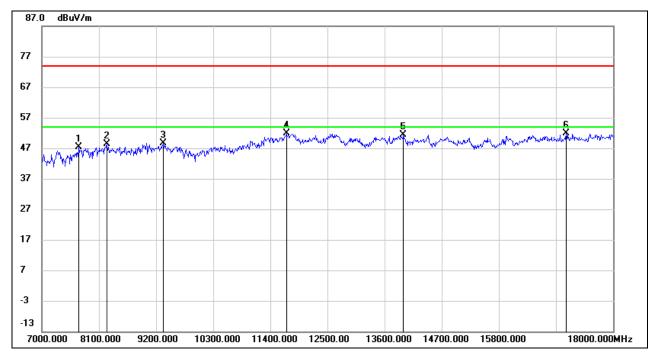
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7715.000 | 38.21 | 9.17 | 47.38 | 74.00 | -26.62 | peak |
| 2 | 8254.000 | 38.11 | 10.34 | 48.45 | 74.00 | -25.55 | peak |
| 3 | 9343.000 | 37.46 | 11.19 | 48.65 | 74.00 | -25.35 | peak |
| 4 | 11708.000 | 35.58 | 16.28 | 51.86 | 74.00 | -22.14 | peak |
| 5 | 13963.000 | 33.55 | 17.92 | 51.47 | 74.00 | -22.53 | peak |
| 6 | 17098.000 | 29.93 | 21.91 | 51.84 | 74.00 | -22.16 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

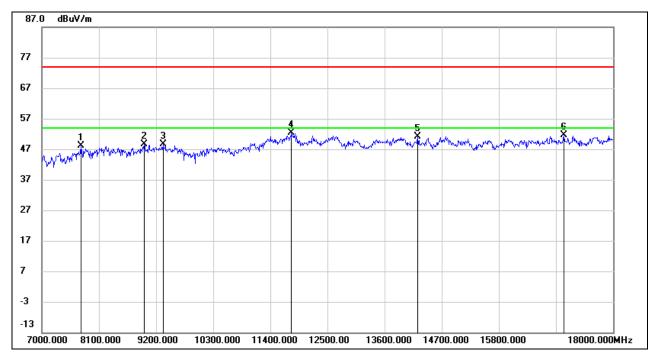
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7748.000 | 38.89 | 9.29 | 48.18 | 74.00 | -25.82 | peak |
| 2 | 8969.000 | 37.22 | 11.42 | 48.64 | 74.00 | -25.36 | peak |
| 3 | 9332.000 | 37.37 | 11.15 | 48.52 | 74.00 | -25.48 | peak |
| 4 | 11807.000 | 35.67 | 16.70 | 52.37 | 74.00 | -21.63 | peak |
| 5 | 14238.000 | 33.27 | 17.91 | 51.18 | 74.00 | -22.82 | peak |
| 6 | 17054.000 | 29.85 | 21.66 | 51.51 | 74.00 | -22.49 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

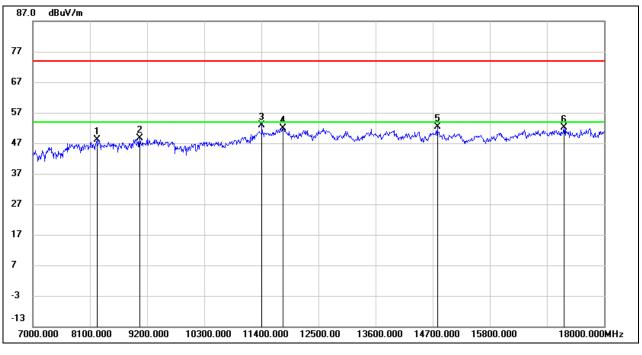
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



STRADDLE CHANNEL 138



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8232.000 | 37.78 | 10.41 | 48.19 | 74.00 | -25.81 | peak |
| 2 | 9057.000 | 37.12 | 11.40 | 48.52 | 74.00 | -25.48 | peak |
| 3 | 11411.000 | 37.50 | 15.44 | 52.94 | 74.00 | -21.06 | peak |
| 4 | 11818.000 | 35.20 | 16.68 | 51.88 | 74.00 | -22.12 | peak |
| 5 | 14788.000 | 34.64 | 17.80 | 52.44 | 74.00 | -21.56 | peak |
| 6 | 17230.000 | 29.65 | 22.37 | 52.02 | 74.00 | -21.98 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

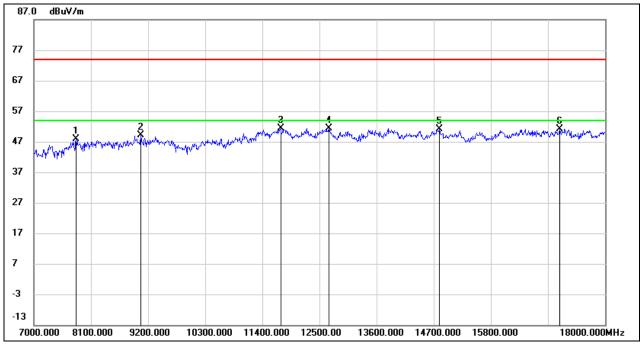
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7814.000 | 38.32 | 9.44 | 47.76 | 74.00 | -26.24 | peak |
| 2 | 9057.000 | 37.66 | 11.40 | 49.06 | 74.00 | -24.94 | peak |
| 3 | 11752.000 | 34.94 | 16.48 | 51.42 | 74.00 | -22.58 | peak |
| 4 | 12676.000 | 34.63 | 16.81 | 51.44 | 74.00 | -22.56 | peak |
| 5 | 14810.000 | 33.23 | 17.82 | 51.05 | 74.00 | -22.95 | peak |
| 6 | 17120.000 | 29.21 | 22.03 | 51.24 | 74.00 | -22.76 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

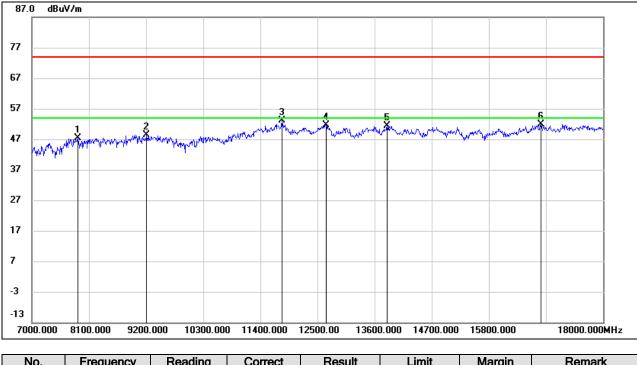
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



UNII-3 BAND





| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7880.000 | 38.21 | 9.26 | 47.47 | 74.00 | -26.53 | peak |
| 2 | 9211.000 | 37.76 | 10.61 | 48.37 | 74.00 | -25.63 | peak |
| 3 | 11818.000 | 36.35 | 16.68 | 53.03 | 74.00 | -20.97 | peak |
| 4 | 12665.000 | 34.92 | 16.82 | 51.74 | 74.00 | -22.26 | peak |
| 5 | 13842.000 | 33.19 | 18.07 | 51.26 | 74.00 | -22.74 | peak |
| 6 | 16801.000 | 30.84 | 21.00 | 51.84 | 74.00 | -22.16 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

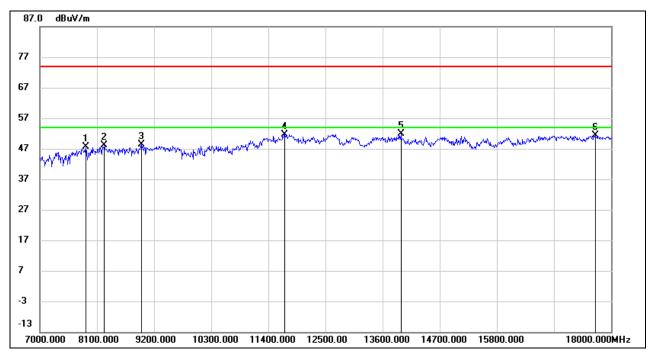
3. Peak: Peak detector.

4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7880.000 | 38.25 | 9.26 | 47.51 | 74.00 | -26.49 | peak |
| 2 | 8243.000 | 37.65 | 10.37 | 48.02 | 74.00 | -25.98 | peak |
| 3 | 8958.000 | 37.11 | 11.31 | 48.42 | 74.00 | -25.58 | peak |
| 4 | 11708.000 | 35.47 | 16.28 | 51.75 | 74.00 | -22.25 | peak |
| 5 | 13952.000 | 33.89 | 17.94 | 51.83 | 74.00 | -22.17 | peak |
| 6 | 17692.000 | 28.11 | 23.19 | 51.30 | 74.00 | -22.70 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

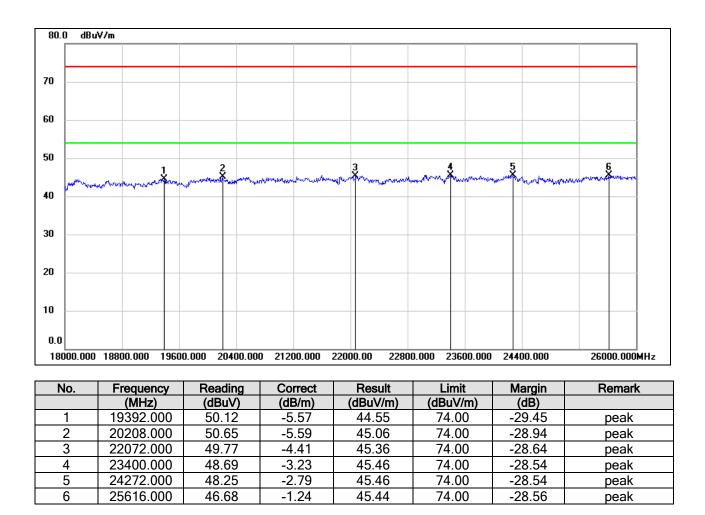
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



8.4. SPURIOUS EMISSIONS (18 GHz ~ 26 GHz)

8.4.1. 802.11n HT40 MODE

SPURIOUS EMISSIONS (UNII-2A BAND LOW CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



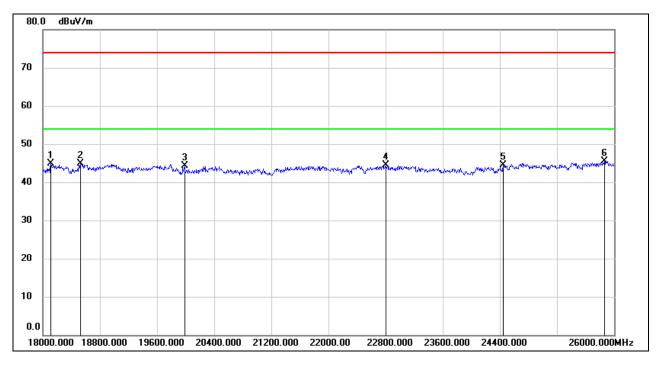
Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.



SPURIOUS EMISSIONS (UNII-2A BAND LOW CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 18112.000 | 50.46 | -5.47 | 44.99 | 74.00 | -29.01 | peak |
| 2 | 18528.000 | 50.11 | -5.26 | 44.85 | 74.00 | -29.15 | peak |
| 3 | 19984.000 | 49.71 | -5.44 | 44.27 | 74.00 | -29.73 | peak |
| 4 | 22800.000 | 48.05 | -3.64 | 44.41 | 74.00 | -29.59 | peak |
| 5 | 24448.000 | 46.92 | -2.42 | 44.50 | 74.00 | -29.50 | peak |
| 6 | 25864.000 | 46.40 | -0.81 | 45.59 | 74.00 | -28.41 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

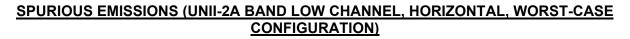
3. Peak: Peak detector.

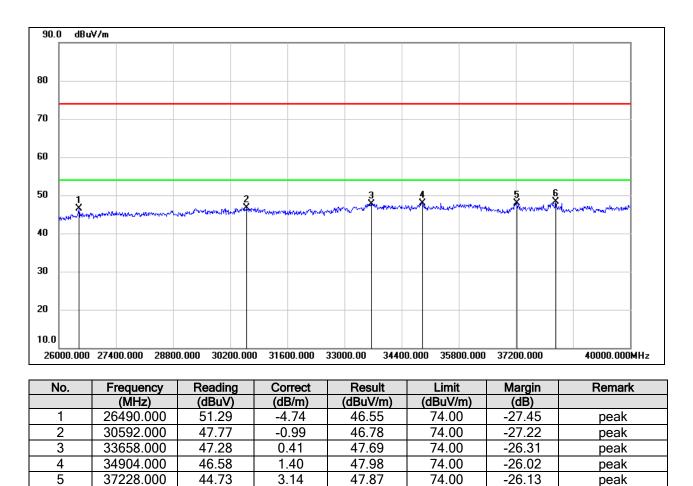
Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.



8.5. SPURIOUS EMISSIONS (26 GHz ~ 40 GHz)

8.5.1. 802.11n HT40 MODE





Note: 1. Measurement = Reading Level + Correct Factor.

44.64

3.69

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

48.33

74.00

-25.67

peak

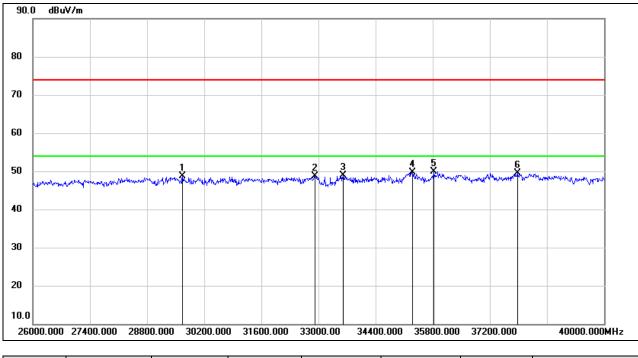
3. Peak: Peak detector.

38180.000

6



SPURIOUS EMISSIONS (UNII-2A BAND LOW CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 29668.000 | 50.01 | -1.40 | 48.61 | 74.00 | -25.39 | peak |
| 2 | 32916.000 | 49.58 | -0.86 | 48.72 | 74.00 | -25.28 | peak |
| 3 | 33602.000 | 48.51 | 0.46 | 48.97 | 74.00 | -25.03 | peak |
| 4 | 35310.000 | 47.04 | 2.62 | 49.66 | 74.00 | -24.34 | peak |
| 5 | 35828.000 | 46.25 | 3.67 | 49.92 | 74.00 | -24.08 | peak |
| 6 | 37872.000 | 45.97 | 3.48 | 49.45 | 74.00 | -24.55 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.

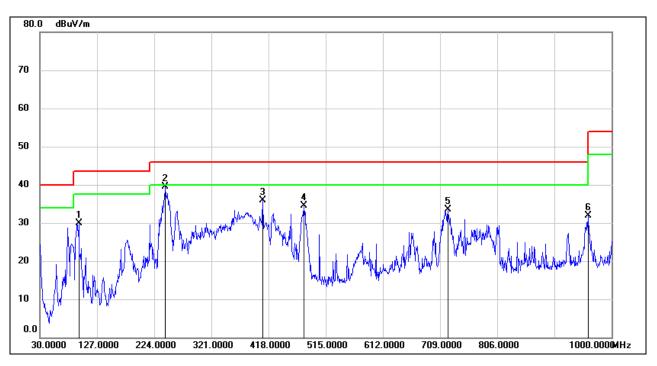
Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.



8.6. SPURIOUS EMISSIONS (30 MHz ~ 1 GHz)

8.6.1. 802.11n HT40 MODE

SPURIOUS EMISSIONS (UNII-2A BAND LOW CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 95.9600 | 51.32 | -21.44 | 29.88 | 43.50 | -13.62 | QP |
| 2 | 242.4300 | 58.63 | -19.12 | 39.51 | 46.00 | -6.49 | QP |
| 3 | 408.3000 | 49.02 | -13.17 | 35.85 | 46.00 | -10.15 | QP |
| 4 | 478.1400 | 46.41 | -11.83 | 34.58 | 46.00 | -11.42 | QP |
| 5 | 722.5800 | 41.55 | -8.08 | 33.47 | 46.00 | -12.53 | QP |
| 6 | 960.2300 | 36.38 | -4.54 | 31.84 | 54.00 | -22.16 | QP |

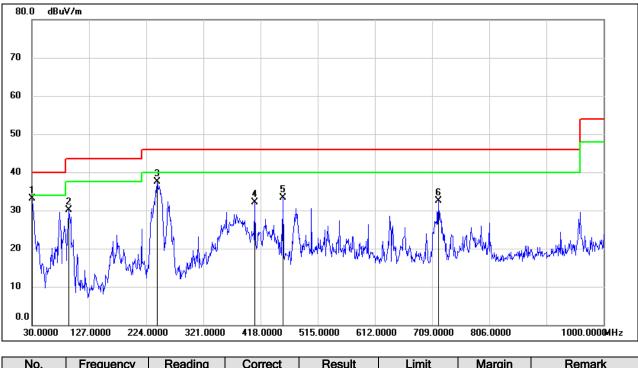
Note: 1. Result Level = Read Level + Correct Factor.

- 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

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SPURIOUS EMISSIONS (UNII-2A BAND LOW CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 30.0000 | 52.11 | -18.94 | 33.17 | 40.00 | -6.83 | QP |
| 2 | 92.0800 | 51.88 | -21.77 | 30.11 | 43.50 | -13.39 | QP |
| 3 | 242.4300 | 56.57 | -19.12 | 37.45 | 46.00 | -8.55 | QP |
| 4 | 408.3000 | 45.32 | -13.17 | 32.15 | 46.00 | -13.85 | QP |
| 5 | 455.8300 | 45.60 | -12.27 | 33.33 | 46.00 | -12.67 | QP |
| 6 | 719.6700 | 40.67 | -8.08 | 32.59 | 46.00 | -13.41 | QP |

Note: 1. Result Level = Read Level + Correct Factor.

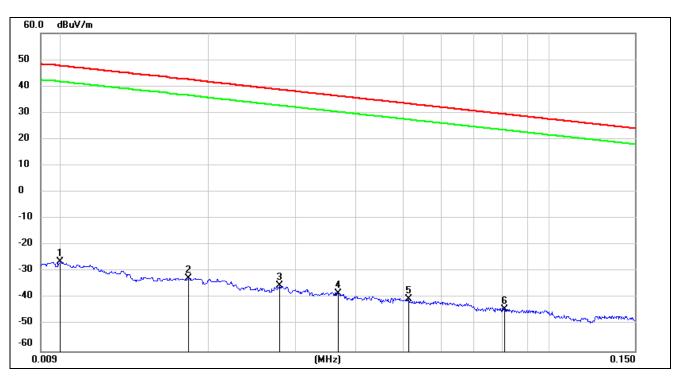
- 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

8.7. SPURIOUS EMISSIONS BELOW 30 MHz

8.7.1. 802.11n HT40 MODE

SPURIOUS EMISSIONS (UNII-2A BAND LOW CHANNEL, LOOP ANTENNA FACE ON TO THE EUT, WORST-CASE CONFIGURATION)



<u>9 kHz~ 150 kHz</u>

| No. | Frequency | Reading | Correct | FCC | FCC | ISED | ISED | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|----------|----------|--------|--------|
| | | | | Result | Limit | Result | Limit | | |
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dBuA/m) | (dBuA/m) | (dB) | |
| 1 | 0.0100 | 75.22 | -101.40 | -26.18 | 47.6 | -77.68 | -3.90 | -73.78 | peak |
| 2 | 0.0181 | 68.85 | -101.36 | -32.51 | 42.45 | -84.01 | -9.05 | -74.96 | peak |
| 3 | 0.0279 | 66.17 | -101.38 | -35.21 | 38.69 | -86.71 | -12.81 | -73.90 | peak |
| 4 | 0.0367 | 63.25 | -101.42 | -38.17 | 36.31 | -89.67 | -15.19 | -74.48 | peak |
| 5 | 0.0514 | 61.18 | -101.48 | -40.3 | 33.38 | -91.80 | -18.12 | -73.68 | peak |
| 6 | 0.0810 | 57.52 | -101.64 | -44.12 | 29.43 | -95.62 | -22.07 | -73.55 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

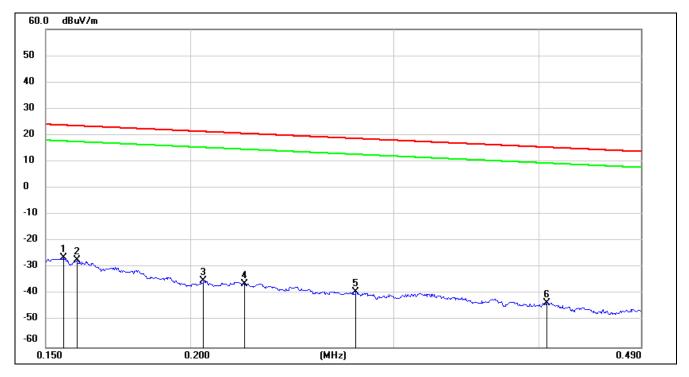
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

4. $dBuA/m = dBuV/m - 20log10(120\pi) = dBuV/m - 51.5$.

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<u>150 kHz ~ 490 kHz</u>



| No. | Frequency | Reading | Correct | FCC | FCC | ISED | ISED | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|----------|----------|--------|--------|
| | | | | Result | Limit | Result | Limit | | |
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dBuA/m) | (dBuA/m) | (dB) | |
| 1 | 0.1554 | 75.27 | -101.65 | -26.38 | 23.77 | -77.88 | -27.73 | -50.15 | peak |
| 2 | 0.1595 | 74.36 | -101.65 | -27.29 | 23.55 | -78.79 | -27.95 | -50.84 | peak |
| 3 | 0.2053 | 66.79 | -101.73 | -34.94 | 21.35 | -86.44 | -30.15 | -56.29 | peak |
| 4 | 0.2227 | 65.65 | -101.75 | -36.1 | 20.65 | -87.60 | -30.85 | -56.75 | peak |
| 5 | 0.2782 | 62.79 | -101.83 | -39.04 | 18.71 | -90.54 | -32.79 | -57.75 | peak |
| 6 | 0.4062 | 58.64 | -101.96 | -43.32 | 15.43 | -94.82 | -36.07 | -58.75 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

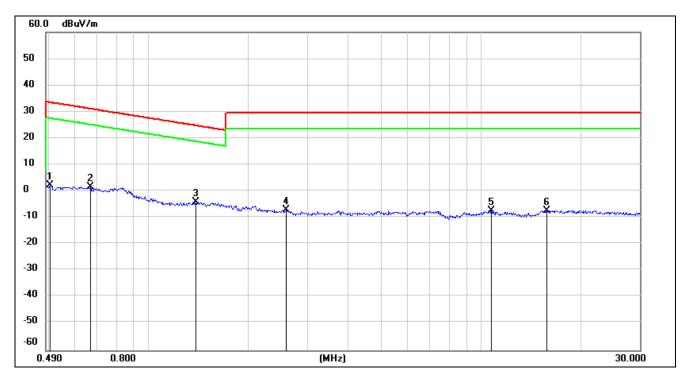
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

4. $dBuA/m = dBuV/m - 20log10(120\pi) = dBuV/m - 51.5$.



<u>490 kHz ~ 30 MHz</u>



| No. | Frequency | Reading | Correct | FCC Result | FCC Limit | ISED Result | ISED Limit | Margin | Remark |
|-----|-----------|---------|---------|---------------|--------------|----------------|---------------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dBuA/m) | (dBuA/m) | (dB) | |
| 1 | 0.5039 | 64.44 | -62.07 | 2.37 | 33.56 | -49.13 | -17.94 | -31.19 | peak |
| 2 | 0.6671 | 63.75 | -62.10 | 1.65 | 31.12 | -49.85 | -20.38 | -29.47 | peak |
| 3 | 1.3810 | 57.97 | -62.10 | -4.13 | 24.8 | -55.63 | -26.70 | -28.93 | peak |
| 4 | 2.5935 | 54.61 | -61.68 | -7.07 | 29.54 | -58.57 | -21.96 | -36.61 | peak |
| 5 | 10.7299 | 53.48 | -60.83 | -7.35 | 29.54 | -58.85 | -21.96 | -36.89 | peak |
| 6 | 15.7759 | 53.75 | -60.99 | -7.24 | 29.54 | -58.74 | -21.96 | -36.78 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

4. $dBuA/m = dBuV/m - 20log10(120\pi) = dBuV/m - 51.5$.

Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.



9. AC POWER LINE CONDUCTED EMISSIONS

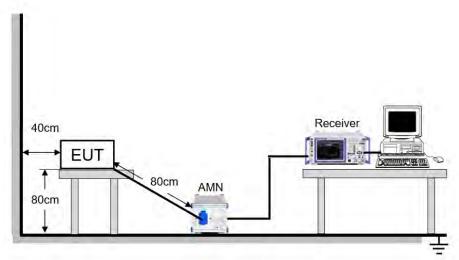
LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8

| FREQUENCY (MHz) | Quasi-peak | Average |
|-----------------|------------|-----------|
| 0.15 -0.5 | 66 - 56 * | 56 - 46 * |
| 0.50 -5.0 | 56.00 | 46.00 |
| 5.0 -30.0 | 60.00 | 50.00 |

TEST SETUP AND PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.



The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST ENVIRONMENT

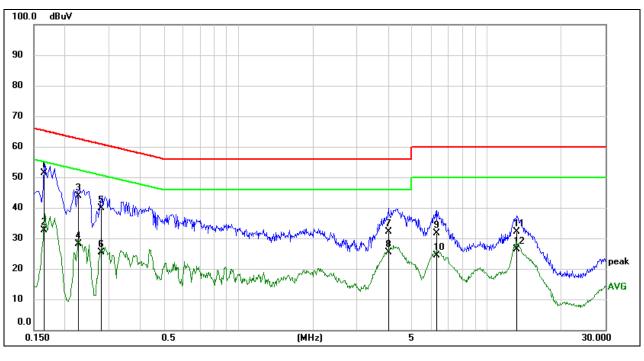
| Temperature | 27.6 °C | Relative Humidity | 64.8 % |
|---------------------|---------|-------------------|-----------------|
| Atmosphere Pressure | 101 kPa | Test Voltage | AC 120 V, 60 Hz |

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9.1.1. 802.11n HT40 MODE

LINE L RESULTS (UNII-2A BAND LOW CHANNEL, WORST-CASE CONFIGURATION)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|--------|--------|--------|--------|
| | (MHz) | (dBuV) | (dB) | (dBuV) | (dBuV) | (dB) | |
| 1 | 0.1642 | 41.75 | 9.59 | 51.34 | 65.25 | -13.91 | QP |
| 2 | 0.1642 | 22.94 | 9.59 | 32.53 | 55.25 | -22.72 | AVG |
| 3 | 0.2268 | 34.25 | 9.59 | 43.84 | 62.57 | -18.73 | QP |
| 4 | 0.2268 | 18.58 | 9.59 | 28.17 | 52.57 | -24.40 | AVG |
| 5 | 0.2788 | 30.35 | 9.59 | 39.94 | 60.85 | -20.91 | QP |
| 6 | 0.2788 | 15.89 | 9.59 | 25.48 | 50.85 | -25.37 | AVG |
| 7 | 4.0533 | 22.57 | 9.60 | 32.17 | 56.00 | -23.83 | QP |
| 8 | 4.0533 | 15.73 | 9.60 | 25.33 | 46.00 | -20.67 | AVG |
| 9 | 6.3048 | 22.05 | 9.64 | 31.69 | 60.00 | -28.31 | QP |
| 10 | 6.3048 | 14.67 | 9.64 | 24.31 | 50.00 | -25.69 | AVG |
| 11 | 13.1895 | 22.35 | 9.66 | 32.01 | 60.00 | -27.99 | QP |
| 12 | 13.1895 | 16.74 | 9.66 | 26.40 | 50.00 | -23.60 | AVG |

Note: 1. Result = Reading + Correct Factor.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

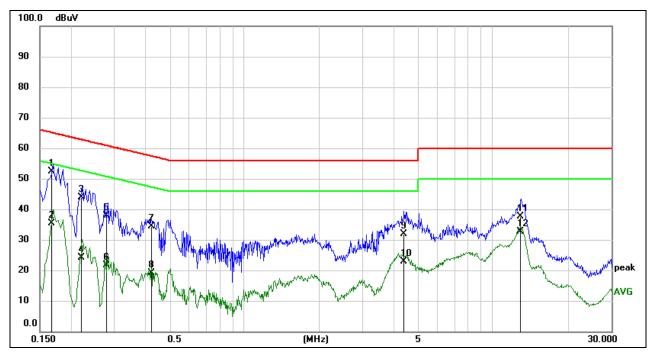
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).

4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

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LINE N RESULTS (UNII-2A BAND LOW CHANNEL, WORST-CASE CONFIGURATION)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|--------|--------|--------|--------|
| | (MHz) | (dBuV) | (dB) | (dBuV) | (dBuV) | (dB) | |
| 1 | 0.1661 | 42.74 | 9.59 | 52.33 | 65.15 | -12.82 | QP |
| 2 | 0.1661 | 25.79 | 9.59 | 35.38 | 55.15 | -19.77 | AVG |
| 3 | 0.2188 | 34.21 | 9.59 | 43.80 | 62.86 | -19.06 | QP |
| 4 | 0.2188 | 14.56 | 9.59 | 24.15 | 52.86 | -28.71 | AVG |
| 5 | 0.2785 | 28.26 | 9.59 | 37.85 | 60.86 | -23.01 | QP |
| 6 | 0.2785 | 11.99 | 9.59 | 21.58 | 50.86 | -29.28 | AVG |
| 7 | 0.4204 | 24.68 | 9.60 | 34.28 | 57.44 | -23.16 | QP |
| 8 | 0.4204 | 9.47 | 9.60 | 19.07 | 47.44 | -28.37 | AVG |
| 9 | 4.3910 | 22.37 | 9.60 | 31.97 | 56.00 | -24.03 | QP |
| 10 | 4.3910 | 13.31 | 9.60 | 22.91 | 46.00 | -23.09 | AVG |
| 11 | 12.9407 | 28.01 | 9.66 | 37.67 | 60.00 | -22.33 | QP |
| 12 | 12.9407 | 22.97 | 9.66 | 32.63 | 50.00 | -17.37 | AVG |

Note: 1. Result = Reading + Correct Factor.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).

4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes had been tested, but only the worst data was recorded in the report.

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10. FREQUENCY STABILITY

LIMITS

The frequency of the carrier signal shall be maintained within band of operation.

TEST PROCEDURE

1. The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between 0 $^{\circ}$ C ~ 70 $^{\circ}$ C (declared by customer).

2. The temperature was incremented by 10 °C intervals and the unit allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.

3. The primary supply voltage is varied from 85 % to 115 % of the nominal value for non handcarried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

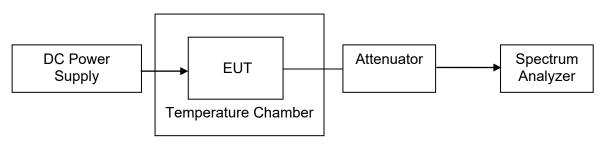
| Center Frequency | The center frequency of the channel under test |
|------------------|--|
| Detector | Peak |
| RBW | 10 kHz |
| VBW | ≥3 × RBW |
| Span | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace | Max hold |
| Sweep time | Auto |

Connect the EUT to the spectrum analyser and use the following settings:

4. While maintaining a constant temperature inside the environmental chamber, turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5minutes, and 10 minutes after the EUT is energized.

5. Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

TEST SETUP





TEST ENVIRONMENT

| | Normal Test Conditions | Extreme Test Conditions | | |
|-----------------------------|---|--|--|--|
| Relative Humidity | 20 % - 75 % | / | | |
| Atmospheric Pressure | 100 kPa ~102 kPa | / | | |
| Temperature | T _N (Normal Temperature): | T _L (Low Temperature): 0 °C | | |
| remperature | 25.1 °C | T _H (High Temperature): 70 °C | | |
| | V _N (Normal Voltage): DC 5 V | V _L (Low Voltage): DC 4.5 V | | |
| Supply Voltage | VN (Normal Voltage). DC 5 V | V _H (High Voltage): DC 5.5 V | | |

RESULTS

Please refer to Appendix H.



11. DYNAMIC FREQUENCY SELECTION

APPLICABILITY OF DFS REQUIREMENTS

A U-NII network will employ a DFS function to detect signals from radar systems and to avoid co-channel operation with these systems. This applies to the 5250-5350 MHz and/or 5470-5725 MHz bands.

Within the context of the operation of the DFS function, a U-NII device will operate in either Master Mode or Client Mode. U-NII devices operating in Client Mode can only operate in a network controlled by a U-NII device operating in Master Mode.

| Table 1. Applicability of DF of Requirements Filler to 05c of a Orialmen | | | | | |
|--|------------------|-----------------|-------------------|--|--|
| | Operational Mode | | | | |
| Requirement | Master | Client Without | Client With Radar | | |
| | | Radar Detection | Detection | | |
| Non-Occupancy Period | Yes | Not required | Yes | | |
| DFS Detection Threshold | Yes | Not required | Yes | | |
| Channel Availability Check Time | Yes | Not required | Not required | | |
| U-NII Detection Bandwidth | Yes | Not required | Yes | | |

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Table 2: Applicability of DFS requirements during normal operation

| | Operatior | nal Mode |
|-----------------------------------|--|-------------------------------------|
| Requirement | Master Device or Client with Radar Detection | ⊠ Client Without Radar Detection |
| DFS Detection Threshold | Yes | Not required |
| Channel Closing Transmission Time | Yes | Yes |
| Channel Move Time | Yes | Yes |
| U-NII Detection Bandwidth | Yes | Not required |

| Additional requirements for devices with multiple bandwidth modes | Master Device or Client with Radar Detection | Client Without Radar Detection | | | |
|---|--|--|--|--|--|
| U-NII Detection Bandwidth and Statistical Performance Check | All BW modes must be tested | Not required | | | |
| Channel Move Time and Channel Closing Transmission Time | Test using widest BW mode available | Test using the widest BW mode available for the link | | | |
| All other tests | Any single BW mode | Not required | | | |
| Note: Frequencies selected for statistical performance check should include several frequencies | | | | | |

Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

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<u>LIMITS</u>

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

| Maximum Transmit Power | Value (See Notes 1, 2, and 3) | | | | |
|--|---|--|--|--|--|
| EIRP ≥ 200 milliwatt | -64 dBm | | | | |
| EIRP < 200 milliwatt and | -62 dBm | | | | |
| power spectral density < 10 dBm/MHz | -02 dBill | | | | |
| EIRP < 200 milliwatt that do not meet the | | | | | |
| power | -64 dBm | | | | |
| spectral density requirement | | | | | |
| Note 1: This is the level at the input of the rece | | | | | |
| Note 2: Throughout these test procedures an additional 1 dB has been added to the | | | | | |
| amplitude of the test transmission waveforms t | o account for variations in measurement | | | | |
| equipment. This will ensure that the test signal is at or above the detection threshold level to | | | | | |
| trigger a DFS response. | | | | | |
| Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB | | | | | |
| Publication 662911 D01. | | | | | |

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

| Parameter | Value |
|-----------------------------------|--|
| Non-occupancy period | Minimum 30 minutes |
| Channel Availability Check Time | 60 seconds |
| Channel Move Time | 10 seconds |
| | See Note 1. |
| | 200 milliseconds + an aggregate of 60 |
| Channel Closing Transmission Time | milliseconds over |
| | remaining 10 second period. |
| | See Notes 1 and 2. |
| U-NII Detection Bandwidth | Minimum 100% of the U-NII 99% transmission |
| | power bandwidth. See Note 3. |

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.



PARAMETERS OF RADAR TEST WAVEFORMS

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Dules Darlar Test Waveforms

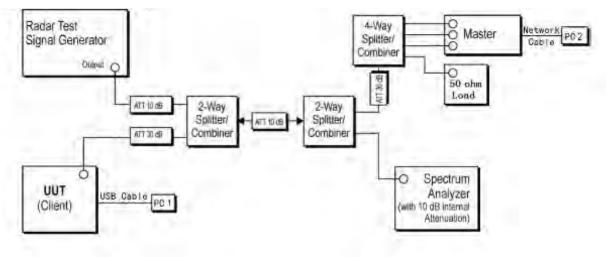
| Radar Type | Pulse Width (µsec) | PRI (µsec) | Number of Pulses | Minimum Percentage of Successful Detection | Minimum Number of Trials See Note 1 | |
|--|---|---|--|---|--|--|
| Q | 1 | 1428 | 18 | See Note 1 | | |
| | | Test A | (1) | | and the second | |
| 1 | 1 | Test B | $\begin{array}{c} \text{Roundup} \\ \left(\frac{19 \cdot 10^{\prime\prime}}{\text{PRI}_{\text{max}}} \right) \end{array}$ | 60% | 30 | |
| 2 | 1-5 | 150-230 | 23-29 | 60% | 30 | |
| 3 | 6-10 | 200-500 | 16-18 | 60% | 30 | |
| 4 | 11-20 | 200-500 | 12-16 | 60% | 30 | |
| Aggregate (F | Radar Types 1-4 |) | | 80% | 120 | |
| and ch Test A: 15 ui Test B: 15 ui | nannel closing ti nique PRI values nique PRI values | me tests. a randomly se a randomly se | lected from the list of 23 | n bandwidth test, channe PRI values in Table 5a of 518-3066 µsec, with a A | | |

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4.



TEST SETUP

Setup for Client with injection at the Master



TEST ENVIRONMENT

| Temperature | 26.2 °C | Relative Humidity | 55.8 % |
|---------------------|---------|-------------------|--------|
| Atmosphere Pressure | 101 kPa | Test Voltage | DC 5 V |

RESULTS

Please refer to Appendix E & F & G.



12. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RESULTS

Complies



12.1. Appendix A1: Emission Bandwidth 12.1.1. Test Result

| Test Mode | Antenna | Channel | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Verdict |
|-----------|--------------|--------------|-------------------|----------------------|----------------------|---------|
| | Ant1 | 5180 | 19.720 | 5170.000 | 5189.720 | PASS |
| | Ant2 | 5180 | 19.600 | 5170.160 | 5189.760 | PASS |
| | Ant1 | 5200 | 19.720 | 5190.080 | 5209.800 | PASS |
| | Ant2 | 5200 | 19.800 | 5190.040 | 5209.840 | PASS |
| | Ant1 | 5240 | 20.000 | 5229.880 | 5249.880 | PASS |
| | Ant2 | 5240 | 19.680 | 5230.000 | 5249.680 | PASS |
| | Ant1 | 5260 | 19.640 | 5250.000 | 5269.640 | PASS |
| | Ant2 | 5260 | 20.160 | 5249.920 | 5270.080 | PASS |
| | Ant1 | 5280 | 19.400 | 5270.280 | 5289.680 | PASS |
| | Ant2 | 5280 | 20.040 | 5269.920 | 5289.960 | PASS |
| | Ant1 | 5320 | 19.600 | 5310.200 | 5329.800 | PASS |
| | Ant2 | 5320 | 19.720 | 5309.880 | 5329.600 | PASS |
| | Ant1 | 5500 | 19.600 | 5490.160 | 5509.760 | PASS |
| | Ant2 | 5500 | 19.520 | 5490.280 | 5509.800 | PASS |
| | Ant1 | 5580 | 19.640 | 5570.120 | 5589.760 | PASS |
| 11A20 | Ant2 | 5580 | 19.640 | 5570.320 | 5589.960 | PASS |
| | Ant1 | 5700 | 19.800 | 5689.920 | 5709.720 | PASS |
| | Ant2 | 5700 | 19.600 | 5690.160 | 5709.760 | PASS |
| | Ant1 | 5720 | 19.800 | 5710.000 | 5729.800 | PASS |
| | Ant2 | 5720 | 19.920 | 5710.040 | 5729.960 | PASS |
| | Ant1 | 5720 UNII-2C | 15 | 5710.000 | 5725 | PASS |
| | Ant2 | 5720 UNII-2C | 14.96 | 5710.040 | 5725 | PASS |
| | Ant1 | 5720 UNII-3 | 4.8 | 5725 | 5729.800 | PASS |
| | Ant2 | 5720 UNII-3 | 4.96 | 5725 | 5729.960 | PASS |
| | Ant1 | 5745 | 20.120 | 5734.800 | 5754.920 | PASS |
| | Ant2 | 5745 | 19.600 | 5735.080 | 5754.680 | PASS |
| | Ant2 Ant1 | 5785 | 21.080 | 5774.680 | 5795.760 | PASS |
| | Ant2 | 5785 | 19.840 | 5774.000 | 5794.800 | PASS |
| | | 5825 | 19.880 | | | PASS |
| | Ant1 Ant2 | 5825 | 23.080 | 5814.920 5813.720 | 5834.800 5836.800 | PASS |
| | | | | | | |
| | Ant1 | 5180 | 19.800 | 5170.160 | 5189.960 | PASS |
| | Ant2 | 5180 | 19.640 | 5170.160 | 5189.800 | PASS |
| | Ant1 | 5200 | 19.680 | 5190.240 | 5209.920 | PASS |
| | Ant2 | 5200 | 19.800 | 5190.120 | 5209.920 | PASS |
| | Ant1 | 5240 | 19.760 | 5230.040 | 5249.800 | PASS |
| | Ant2 | 5240 | 19.760 | 5230.080 | 5249.840 | PASS |
| | Ant1 | 5260 | 19.840 | 5250.000 | 5269.840 | PASS |
| | Ant2 | 5260 | 19.880 | 5250.040 | 5269.920 | PASS |
| | Ant1 | 5280 | 20.000 | 5269.840 | 5289.840 | PASS |
| | Ant2 | 5280 | 19.720 | 5270.160 | 5289.880 | PASS |
| | Ant1 | 5320 | 20.080 | 5309.920 | 5330.000 | PASS |
| | Ant2 | 5320 | 19.880 | 5310.280 | 5330.160 | PASS |
| 11N20MIMO | Ant1 | 5500 | 19.800 | 5490.120 | 5509.920 | PASS |
| | Ant2 | 5500 | 20.040 | 5489.960 | 5510.000 | PASS |
| | Ant1 | 5580 | 19.880 | 5570.080 | 5589.960 | PASS |
| | Ant2 | 5580 | 20.360 | 5569.800 | 5590.160 | PASS |
| | Ant1 | 5700 | 20.240 | 5689.880 | 5710.120 | PASS |
| | Ant2 | 5700 | 19.920 | 5690.000 | 5709.920 | PASS |
| | Ant1 | 5720 | 20.080 | 5710.000 | 5730.080 | PASS |
| | Ant2 | 5720 | 19.920 | 5709.920 | 5729.840 | PASS |
| | Ant1 | 5720_UNII-2C | 15 | 5710.000 | 5725 | PASS |
| | Ant2 | 5720_UNII-2C | 15.08 | 5709.920 | 5725 | PASS |
| | Ant1 | 5720 UNII-3 | 5.08 | 5725 | 5730.080 | PASS |
| | Ant2 | 5720 UNII-3 | 4.84 | 5725 | 5729.840 | PASS |
| | Ant1 | 5745 | 19.960 | 5734.760 | 5754.720 | PASS |

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| | Ant2 | 5745 | 19.960 | 5734.880 | 5754.840 | PASS |
|--------------|------|--------------|--------|----------|----------|------|
| | Ant1 | 5785 | 19.840 | 5774.960 | 5794.800 | PASS |
| | Ant2 | 5785 | 19.880 | 5775.080 | 5794.960 | PASS |
| | Ant1 | 5825 | 19.800 | 5814.960 | 5834.760 | PASS |
| | Ant2 | 5825 | 19.880 | 5815.040 | 5834.920 | PASS |
| | Ant1 | 5190 | 40.160 | 5169.760 | 5209.920 | PASS |
| | Ant2 | 5190 | 39.600 | 5170.160 | 5209.760 | PASS |
| | Ant1 | 5230 | 40.240 | 5209.600 | 5249.840 | PASS |
| | Ant2 | 5230 | 39.760 | 5209.520 | 5249.280 | PASS |
| | Ant1 | 5270 | 40.480 | 5249.760 | 5290.240 | PASS |
| | Ant2 | 5270 | 38.960 | 5250.560 | 5289.520 | PASS |
| | Ant1 | 5310 | 40.320 | 5289.600 | 5329.920 | PASS |
| | Ant2 | 5310 | 39.520 | 5290.160 | 5329.680 | PASS |
| | Ant1 | 5510 | 39.600 | 5490.240 | 5529.840 | PASS |
| | Ant2 | 5510 | 39.840 | 5490.240 | 5530.080 | PASS |
| | Ant1 | 5550 | 40.400 | 5529.920 | 5570.320 | PASS |
| | Ant2 | 5550 | 39.920 | 5529.840 | 5569.760 | PASS |
| 11N40MIMO | Ant1 | 5670 | 40.720 | 5650.080 | 5690.800 | PASS |
| | Ant2 | 5670 | 39.840 | 5650.000 | 5689.840 | PASS |
| | Ant1 | 5710 | 40.800 | 5689.120 | 5729.920 | PASS |
| | Ant2 | 5710 | 39.760 | 5690.320 | 5730.080 | PASS |
| | Ant1 | 5710 UNII-2C | 35.88 | 5689.120 | 5725 | PASS |
| | Ant2 | 5710 UNII-2C | 34.68 | 5690.320 | 5725 | PASS |
| | Ant1 | 5710 UNII-3 | 4.92 | 5725 | 5729.920 | PASS |
| | Ant2 | 5710 UNII-3 | 5.08 | 5725 | 5730.080 | PASS |
| | Ant1 | 5755 | 40.160 | 5735.080 | 5775.240 | PASS |
| | Ant2 | 5755 | 40.080 | 5735.160 | 5775.240 | PASS |
| | Ant1 | 5795 | 39.920 | 5775.240 | 5815.160 | PASS |
| | Ant2 | 5795 | 39.200 | 5775.080 | 5814.280 | PASS |
| | Ant1 | 5210 | 79.680 | 5169.840 | 5249.520 | PASS |
| | Ant2 | 5210 | 79.040 | 5170.640 | 5249.680 | PASS |
| | Ant1 | 5290 | 80.160 | 5250.320 | 5330.480 | PASS |
| | Ant2 | 5290 | 79.360 | 5250.160 | 5329.520 | PASS |
| | Ant1 | 5530 | 80.960 | 5489.200 | 5570.160 | PASS |
| | Ant2 | 5530 | 79.520 | 5490.160 | 5569.680 | PASS |
| | Ant1 | 5610 | 79.360 | 5570.160 | 5649.520 | PASS |
| 444000000000 | Ant2 | 5610 | 80.640 | 5569.680 | 5650.320 | PASS |
| 11AC80MIMO | Ant1 | 5690 | 80.800 | 5649.840 | 5730.640 | PASS |
| | Ant2 | 5690 | 79.840 | 5650.480 | 5730.320 | PASS |
| | Ant1 | 5690_UNII-2C | 75.16 | 5649.840 | 5725 | PASS |
| | Ant2 | 5690_UNII-2C | 74.52 | 5650.480 | 5725 | PASS |
| | Ant1 | 5690_UNII-3 | 5.64 | 5725 | 5730.640 | PASS |
| | Ant2 | 5690_UNII-3 | 5.32 | 5725 | 5730.320 | PASS |
| | Ant1 | 5775 | 79.520 | 5735.320 | 5814.840 | PASS |
| | Ant2 | 5775 | 80.480 | 5734.520 | 5815.000 | PASS |



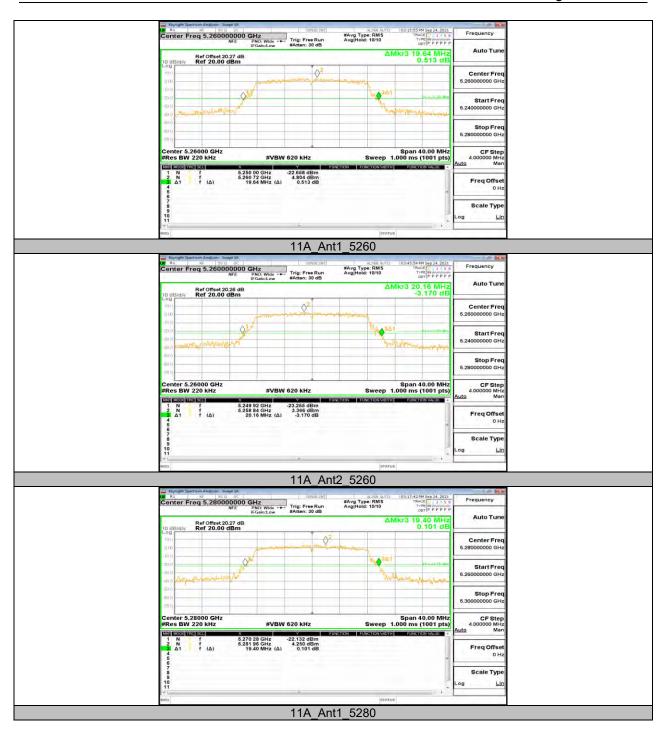
Center Freq 5,180000000 GHz NFE PN0: Wide ---- SAtten: 30 dB 9 PM Sep 24, 2021 RACE 1 2 3 4 5 TYPE M WWWWWWW DET P P P P P Frequency #Avg Type: RMS Avg[Hold: 10/10 Auto Tur 19.72 MHz 0.481 dB Ref Offset 20.27 dE Ref 20.00 dBm 02 Center Fre 3∆³ 01 Start Free Stop Fre E 7/ CF Step 4.000000 MH Ma enter 5.18000 GHz Res BW 220 kHz Span 40.00 MHz Sweep 1.000 ms (1001 pts) #VBW 620 kHz 23.353 dBm 3.183 dBm 0.481 dB 5.170 00 GHz 5.182 24 GHz 19.72 MHz (Δ) 2 N 3 A1 f (Δ) Freq Offse Scale Type ш 11A Ant1 5180 3 PM Sep 24, 202 RACE 1 3 4 5 TYPE M M M M #Avg Type: RMS Avg|Hold: 10/10 Frequency Auto Tun 19.60 MHa -0.614 dE Ref Offset 20.28 dB Ref 20.00 dBm Center Fre A34 \Diamond Start Fre 5.16 Stop Fre CF Step 4.000000 ML Center 5.18000 GHz Res BW 220 kHz Span 40.00 MHz Sweep 1.000 ms (1001 pts #VBW 620 kHz 5.170 16 GHz 5.176 00 GHz 19.60 MHz (Δ) 23.716 dBm 2.677 dBm -0.614 dB 1 N 2 N 3 A1 τ (Δ) Freq Offse 0 H Scale Type u 11A Ant2 5180 Reference of the second 9 PM Sep 24, 20 Frequency #Avg Type: RMS Avg[Hold: 10/10 PE NOW Auto Tur 19.72 MHz 1.677 dB Ref Offset 20.27 dB Ref 20.00 dBm Center Fre 341 0 Start Fre Stop Fred 5.22 enter 5.20000 GH Res BW 220 kHz Span 40.00 MHz Sweep 1.000 ms (1001 pts) CF Step #VBW 620 kHz 5.190 08 GHz 5.203 68 GHz 19.72 MHz (Δ) 24.460 dBm 4.465 dBm 1.677 dB 1 N 2 N 3 A1 1 (4) Freq Offse 0 H Scale Typ Li 11A_Ant1_5200

12.1.2. Test Graphs

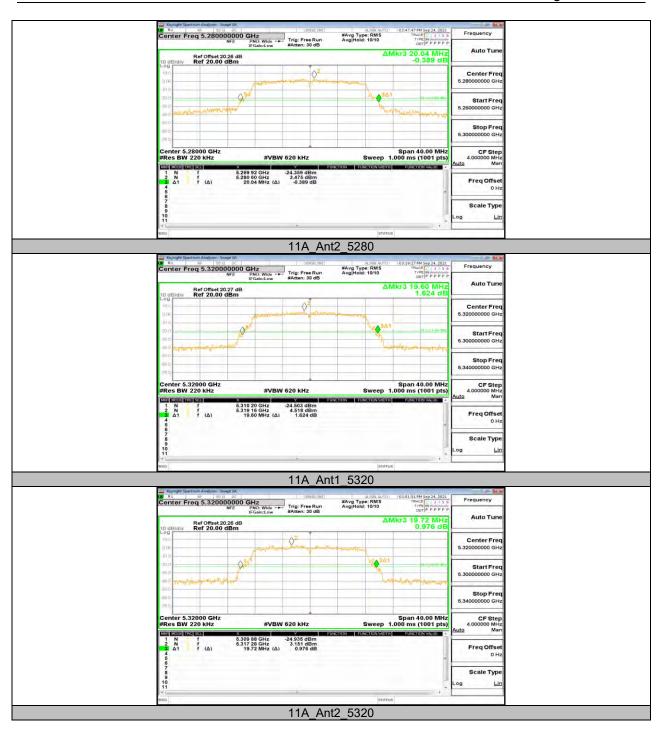




































































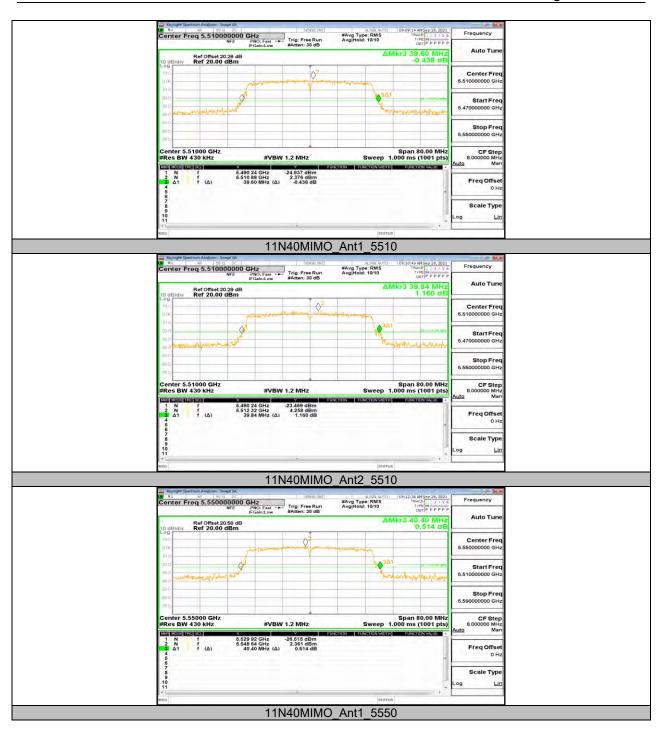












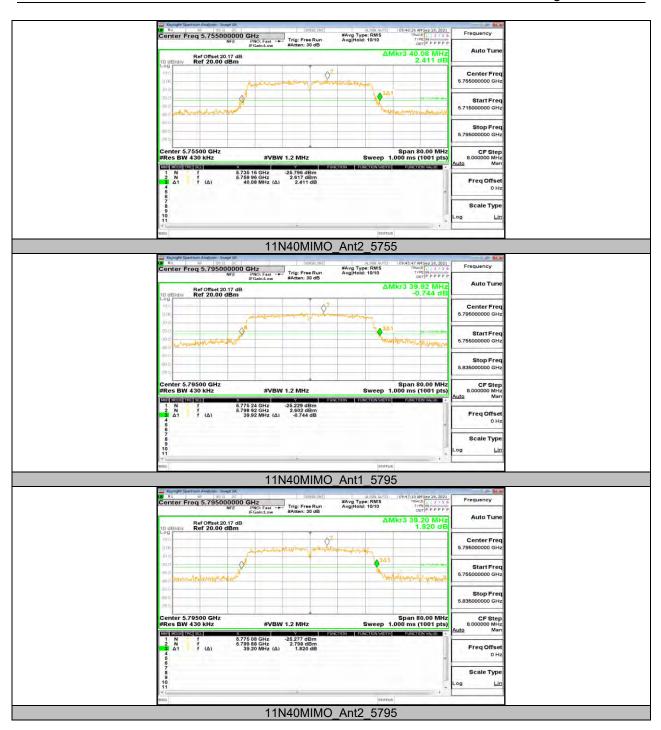






























| | 12.2.1. | Test Result | | | | |
|-----------|---------|--------------|-----------|----------|----------|---------|
| Test Mode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Verdict |
| | Ant1 | 5180 | 16.696 | 5171.593 | 5188.289 | PASS |
| | Ant2 | 5180 | 16.593 | 5171.605 | 5188.198 | PASS |
| | Ant1 | 5200 | 16.515 | 5191.667 | 5208.182 | PASS |
| | Ant2 | 5200 | 16.752 | 5191.545 | 5208.297 | PASS |
| | Ant1 | 5240 | 16.611 | 5231.585 | 5248.196 | PASS |
| | Ant2 | 5240 | 16.634 | 5231.627 | 5248.261 | PASS |
| | Ant1 | 5260 | 16.530 | 5251.666 | 5268.196 | PASS |
| | Ant2 | 5260 | 16.642 | 5251.621 | 5268.263 | PASS |
| | Ant1 | 5280 | 16.706 | 5271.587 | 5288.293 | PASS |
| | Ant2 | 5280 | 16.602 | 5271.612 | 5288.214 | PASS |
| | Ant1 | 5320 | 16.568 | 5311.636 | 5328.204 | PASS |
| | Ant2 | 5320 | 16.563 | 5311.684 | 5328.247 | PASS |
| | Ant1 | 5500 | 16.616 | 5491.649 | 5508.265 | PASS |
| | Ant2 | 5500 | 16.583 | 5491.650 | 5508.233 | PASS |
| 11A20 | Ant1 | 5580 | 16.607 | 5571.575 | 5588.182 | PASS |
| TIAZU | Ant2 | 5580 | 16.577 | 5571.647 | 5588.224 | PASS |
| | Ant1 | 5700 | 16.643 | 5691.611 | 5708.254 | PASS |
| | Ant2 | 5700 | 16.601 | 5691.623 | 5708.224 | PASS |
| | Ant1 | 5720 | 16.767 | 5711.672 | 5728.439 | PASS |
| | Ant2 | 5720 | 16.536 | 5711.680 | 5728.216 | PASS |
| | Ant1 | 5720_UNII-2C | 13.328 | 5711.672 | 5725 | PASS |
| | Ant2 | 5720_UNII-2C | 13.32 | 5711.680 | 5725 | PASS |
| | Ant1 | 5720_UNII-3 | 3.439 | 5725 | 5728.439 | PASS |
| | Ant2 | 5720_UNII-3 | 3.216 | 5725 | 5728.216 | PASS |
| | Ant1 | 5745 | 16.584 | 5736.658 | 5753.242 | PASS |
| | Ant2 | 5745 | 16.580 | 5736.611 | 5753.191 | PASS |
| | Ant1 | 5785 | 16.748 | 5776.527 | 5793.275 | PASS |
| | Ant2 | 5785 | 16.570 | 5776.608 | 5793.178 | PASS |
| | Ant1 | 5825 | 16.670 | 5816.525 | 5833.195 | PASS |
| | Ant2 | 5825 | 16.794 | 5816.518 | 5833.312 | PASS |
| | Ant1 | 5180 | 17.681 | 5171.104 | 5188.785 | PASS |
| | Ant2 | 5180 | 17.764 | 5171.058 | 5188.822 | PASS |
| | Ant1 | 5200 | 17.693 | 5191.084 | 5208.777 | PASS |
| | Ant2 | 5200 | 17.606 | 5191.194 | 5208.800 | PASS |
| | Ant1 | 5240 | 17.712 | 5231.044 | 5248.756 | PASS |
| | Ant2 | 5240 | 17.682 | 5231.091 | 5248.773 | PASS |
| | Ant1 | 5260 | 17.664 | 5251.142 | 5268.806 | PASS |
| | Ant2 | 5260 | 17.625 | 5251.172 | 5268.797 | PASS |
| | Ant1 | 5280 | 17.676 | 5271.121 | 5288.797 | PASS |
| | Ant2 | 5280 | 17.709 | 5271.069 | 5288.778 | PASS |
| 11N20MIMO | Ant1 | 5320 | 17.702 | 5311.117 | 5328.819 | PASS |
| | Ant2 | 5320 | 17.666 | 5311.109 | 5328.775 | PASS |
| | Ant1 | 5500 | 17.642 | 5491.171 | 5508.813 | PASS |
| | Ant2 | 5500 | 17.683 | 5491.149 | 5508.832 | PASS |
| | Ant1 | 5580 | 17.587 | 5571.188 | 5588.775 | PASS |
| | Ant2 | 5580 | 17.698 | 5571.094 | 5588.792 | PASS |
| | Ant1 | 5700 | 17.777 | 5691.092 | 5708.869 | PASS |
| | Ant2 | 5700 | 17.664 | 5691.141 | 5708.805 | PASS |
| | Ant1 | 5720 | 17.712 | 5711.126 | 5728.838 | PASS |
| | Ant2 | 5720 | 17.660 | 5711.157 | 5728.817 | PASS |
| | Ant1 | 5720_UNII-2C | 13.874 | 5711.126 | 5725 | PASS |
| | Ant2 | 5720_UNII-2C | 13.843 | 5711.157 | 5725 | PASS |

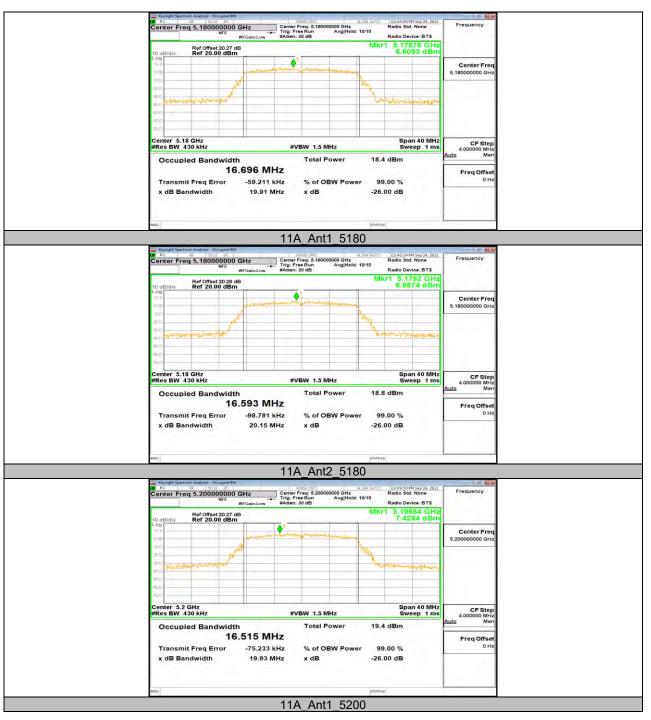
12.2. Appendix A2: Occupied channel bandwidth 12.2.1. Test Result

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| | Ant1 | 5720 UNII-3 | 3.838 | 5725 | 5728.838 | PASS |
|------------|--------------|--------------|--------|----------------------|----------------------|------|
| | Ant1 Ant2 | 5720_0NII-3 | 3.817 | 5725 | 5728.817 | PASS |
| | Ant2 Ant1 | 5745 | 17.698 | 5736.106 | 5753.804 | PASS |
| | Ant1 Ant2 | 5745 | 17.707 | 5736.072 | 5753.779 | PASS |
| | Ant2 Ant1 | 5785 | 17.668 | 5776.112 | 5793.780 | PASS |
| | Ant1 Ant2 | 5785 | 17.694 | 5776.118 | 5793.812 | PASS |
| | Ant2 Ant1 | 5825 | 17.748 | 5816.064 | 5833.812 | PASS |
| | Ant2 | 5825 | 17.740 | 5816.067 | 5833.854 | PASS |
| | | 5190 | 36.002 | | 5207.888 | PASS |
| 11N40MIMO | Ant1 Ant2 | 5190 | 35.937 | 5171.886 5172.003 | 5207.888 | PASS |
| | | 5230 | | | 5207.940 | PASS |
| | Ant1 | | 36.089 | 5211.853 | | |
| | Ant2 | 5230 | 36.012 | 5211.922 | 5247.934 5287.882 | PASS |
| | Ant1 | 5270 | 35.951 | 5251.931 | | PASS |
| | Ant2 | 5270 | 35.878 | 5251.980 | 5287.858 | PASS |
| | Ant1 | 5310 | 36.050 | 5291.946 | 5327.996 | PASS |
| | Ant2 | 5310 | 36.007 | 5291.924 | 5327.931 | PASS |
| | Ant1 | 5510 | 36.127 | 5491.934 | 5528.061 | PASS |
| | Ant2 | 5510 | 36.015 | 5491.953 | 5527.968 | PASS |
| | Ant1 | 5550 | 36.099 | 5531.925 | 5568.024 | PASS |
| | Ant2 | 5550 | 36.237 | 5531.926 | 5568.163 | PASS |
| | Ant1 | 5670 | 36.103 | 5651.953 | 5688.056 | PASS |
| | Ant2 | 5670 | 36.340 | 5651.688 | 5688.028 | PASS |
| | Ant1 | 5710 | 36.230 | 5691.924 | 5728.154 | PASS |
| | Ant2 | 5710 | 36.154 | 5691.847 | 5728.001 | PASS |
| | Ant1 | 5710_UNII-2C | 33.076 | 5691.924 | 5725 | PASS |
| | Ant2 | 5710_UNII-2C | 33.153 | 5691.847 | 5725 | PASS |
| | Ant1 | 5710_UNII-3 | 3.154 | 5725 | 5728.154 | PASS |
| | Ant2 | 5710_UNII-3 | 3.001 | 5725 | 5728.001 | PASS |
| | Ant1 | 5755 | 36.326 | 5736.888 | 5773.214 | PASS |
| | Ant2 | 5755 | 36.072 | 5736.874 | 5772.946 | PASS |
| | Ant1 | 5795 | 36.202 | 5776.824 | 5813.026 | PASS |
| | Ant2 | 5795 | 36.121 | 5776.865 | 5812.986 | PASS |
| 11AC80MIMO | Ant1 | 5210 | 75.573 | 5172.219 | 5247.792 | PASS |
| | Ant2 | 5210 | 75.645 | 5172.064 | 5247.709 | PASS |
| | Ant1 | 5290 | 75.604 | 5252.140 | 5327.744 | PASS |
| | Ant2 | 5290 | 75.439 | 5252.222 | 5327.661 | PASS |
| | Ant1 | 5530 | 75.569 | 5492.152 | 5567.721 | PASS |
| | Ant2 | 5530 | 75.695 | 5492.206 | 5567.901 | PASS |
| | Ant1 | 5610 | 75.607 | 5572.160 | 5647.767 | PASS |
| | Ant2 | 5610 | 75.815 | 5572.029 | 5647.844 | PASS |
| | Ant1 | 5690 | 75.722 | 5652.080 | 5727.802 | PASS |
| | Ant2 | 5690 | 75.496 | 5652.056 | 5727.552 | PASS |
| | Ant1 | 5690_UNII-2C | 72.92 | 5652.080 | 5725 | PASS |
| | Ant2 | 5690_UNII-2C | 72.944 | 5652.056 | 5725 | PASS |
| | Ant1 | 5690_UNII-3 | 2.802 | 5725 | 5727.802 | PASS |
| | Ant2 | 5690 UNII-3 | 2.552 | 5725 | 5727.552 | PASS |
| | Ant1 | 5775 | 75.621 | 5737.283 | 5812.904 | PASS |
| | Ant2 | 5775 | 75.582 | 5737.107 | 5812.689 | PASS |





12.2.2. Test Graphs

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