### 7.2.2.3. Measuring Instruments and Setting

The following table is the setting of spectrum analyzer and receiver.

| Spectrum Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RB / VB (Emission in restricted band) | 1MHz / 1MHz for Peak, 1 MHz / 1/T for Average |
| RB / VB (Emission in non-restricted band) | 1MHz / 1MHz for Peak, 1 MHz / 1/T for Average |

| Receiver Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~150kHz / RB 200Hz for QP/AVG |
| Start ~ Stop Frequency | 150kHz~30MHz / RB 9kHz for QP/AVG |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB 100kHz for QP |

### 7.2.2.4. TEST PROCEDURE (please refer to measurement standard)

**1) Sequence of testing 9 kHz to 30 MHz**

**Setup:**

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

**Pre measurement:**

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna height is 0.8 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions


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**Final measurement:**

--- Identified emissions during the pre measurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement and the limit will be stored.

**2) Sequence of testing 30 MHz to 1 GHz**

**Setup:**

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

**Pre measurement:**

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 3 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.


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**Final measurement:**

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

**3) Sequence of testing 1 GHz to 18 GHz**

**Setup:**

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

**Pre measurement:**

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height scan range is 1 meter to 2.5 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.


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**Final measurement:**

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.
--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement with marked maximum final measurements and the limit will be stored.

**4) Sequence of testing above 18 GHz**
**Setup:**

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 1 meter.

--- The EUT was set into operation.

**Pre measurement:**

--- The antenna is moved spherical over the EUT in different polarisations of the antenna.

**Final measurement:**

--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.
--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.


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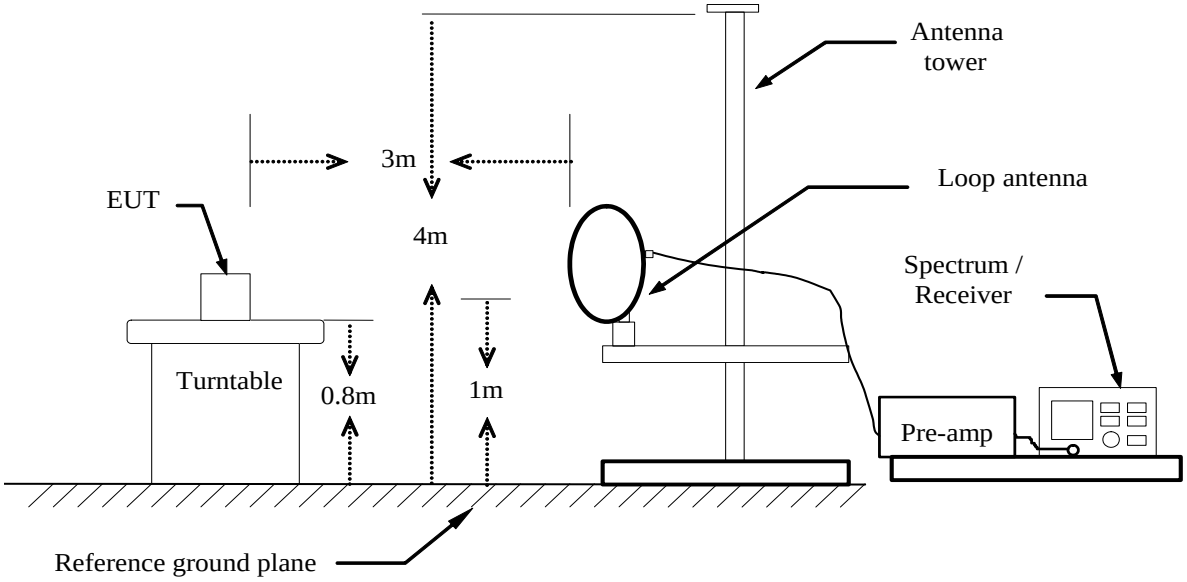
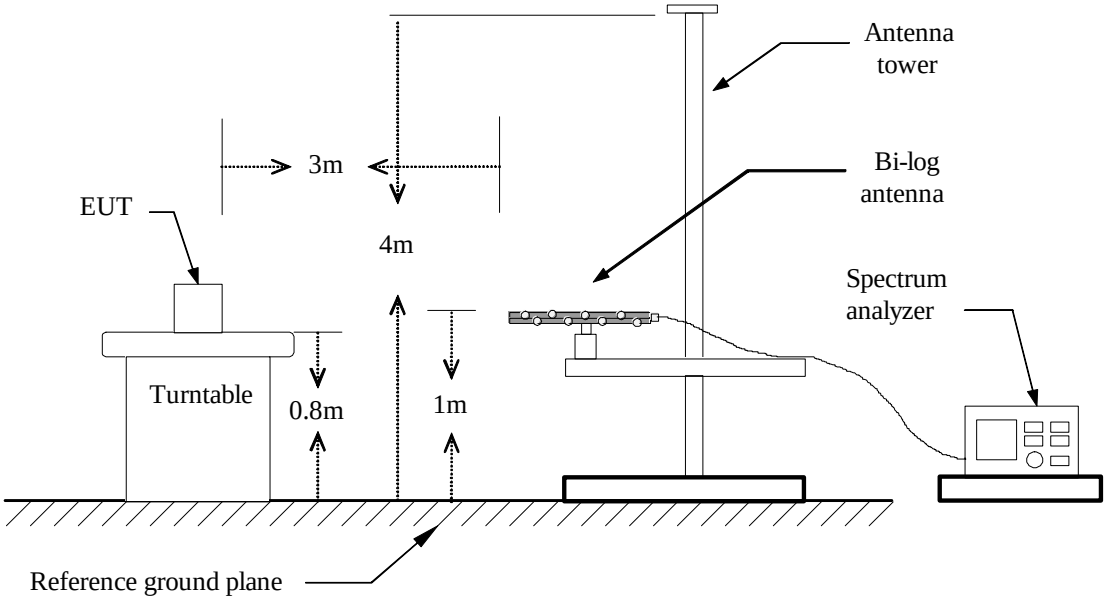
### 7.2.2.5. TEST SETUP

**Below 30MHz**




**Below 1 GHz**





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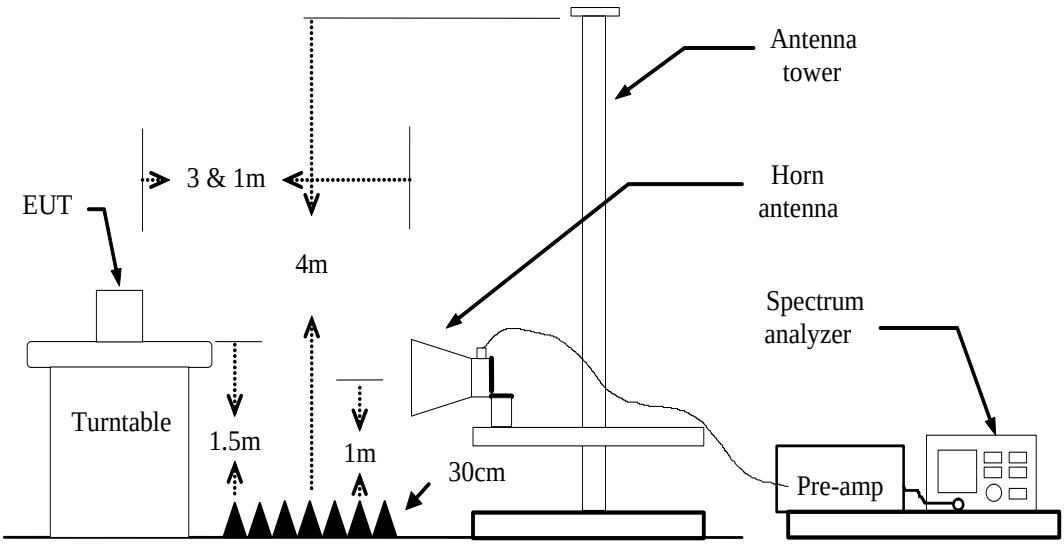
**Above 1 GHz**




For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.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### 7.2.2.6. DATA SAPLE

**Below 1GHz**

| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| XXXX | 36.37 | -12.20 | 24.17 | 40.00 | -15.83 | V | QP |

Frequency (MHz) = Emission frequency in MHz
Reading (dBuV) = Uncorrected Analyzer / Receiver reading
Correct Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
Limit (dBuV/m) = Limit stated in standard
Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
Q.P. = Quasi-peak Reading

**Above 1GHz**

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| XXXX | 62.09 | -11.42 | 50.67 | 74.00 | -23.33 | V | Peak |
| XXXX | 49.78 | -11.42 | 38.36 | 54.00 | -15.64 | V | AVG |

Frequency (MHz) = Emission frequency in MHz
Reading (dBuV) = Uncorrected Analyzer / Receiver reading
Correction Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
Limit (dBuV/m) = Limit stated in standard
Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
Peak = Peak Reading
AVG = Average Reading

**Calculation Formula**

Margin (dB) = Result (dBuV/m) – Limits (dBuV/m)
Result (dBuV/m) = Reading (dBuV) + Correction Factor


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### 7.2.2.7. TEST RESULTS

**Below 1 GHz**

**Test Mode:** TX / IEEE 802.11b(CH Low) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** June 21, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 37.7600 | 50.20 | -15.48 | 34.72 | 40.00 | -5.28 | V | QP |
| 93.0500 | 53.15 | -24.42 | 28.73 | 43.50 | -14.77 | V | QP |
| 375.3200 | 41.77 | -16.82 | 24.95 | 46.00 | -21.05 | V | QP |
| 433.5200 | 41.48 | -15.62 | 25.86 | 46.00 | -20.14 | V | QP |
| 540.2200 | 38.91 | -13.28 | 25.63 | 46.00 | -20.37 | V | QP |
| 624.6100 | 38.91 | -12.73 | 26.18 | 46.00 | -19.82 | V | QP |
| | | | | | | | |
| 38.7300 | 40.57 | -15.79 | 24.78 | 40.00 | -15.22 | H | QP |
| 105.6600 | 46.84 | -22.63 | 24.21 | 43.50 | -19.29 | H | QP |
| 375.3200 | 44.46 | -16.82 | 27.64 | 46.00 | -18.36 | H | QP |
| 500.4500 | 38.36 | -14.35 | 24.01 | 46.00 | -21.99 | H | QP |
| 540.2200 | 35.92 | -13.28 | 22.64 | 46.00 | -23.36 | H | QP |
| 624.6100 | 41.61 | -12.73 | 28.88 | 46.00 | -17.12 | H | QP |

*Pre-scan all mode and recorded the worst case results in this report (802.11b (Low Mid))*

***Remark:***

1. No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz)
2. Radiated emissions measured in frequency range from 9kHz to 1GHz were made with an instrument using Quasi-peak detector mode.
3. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. The IF bandwidth of Receiver between 30MHz to 1GHz was 120kHz.
5. Frequency (MHz) = Emission frequency in MHz
   Reading (dBμV/m) = Receiver reading
   Correction Factor (dB) = Antenna factor + Cable loss – Amplifier gain
   Limit (dBμV/m) = Limit stated in standard
   Margin (dB) = Measured (dBμV/m) – Limits (dBμV/m)
   Antenna Pol e(H/V) = Current carrying line of reading


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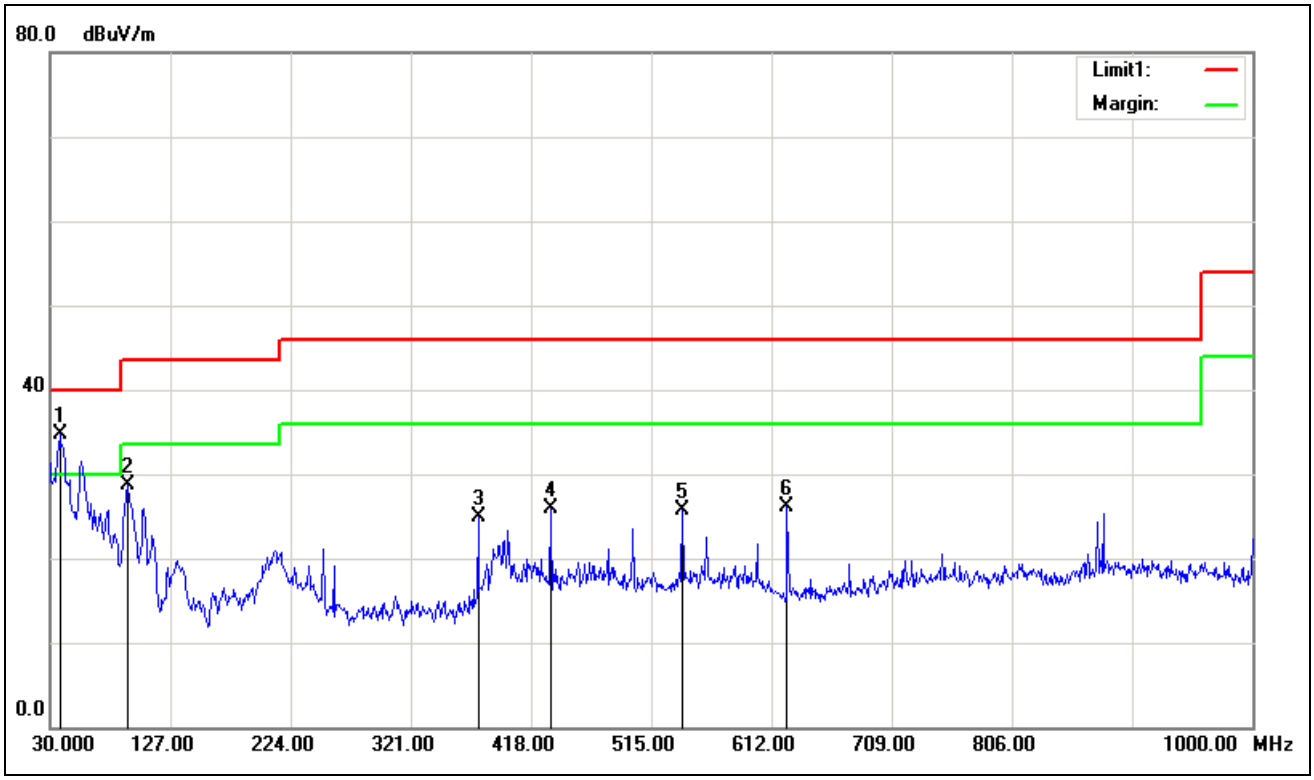
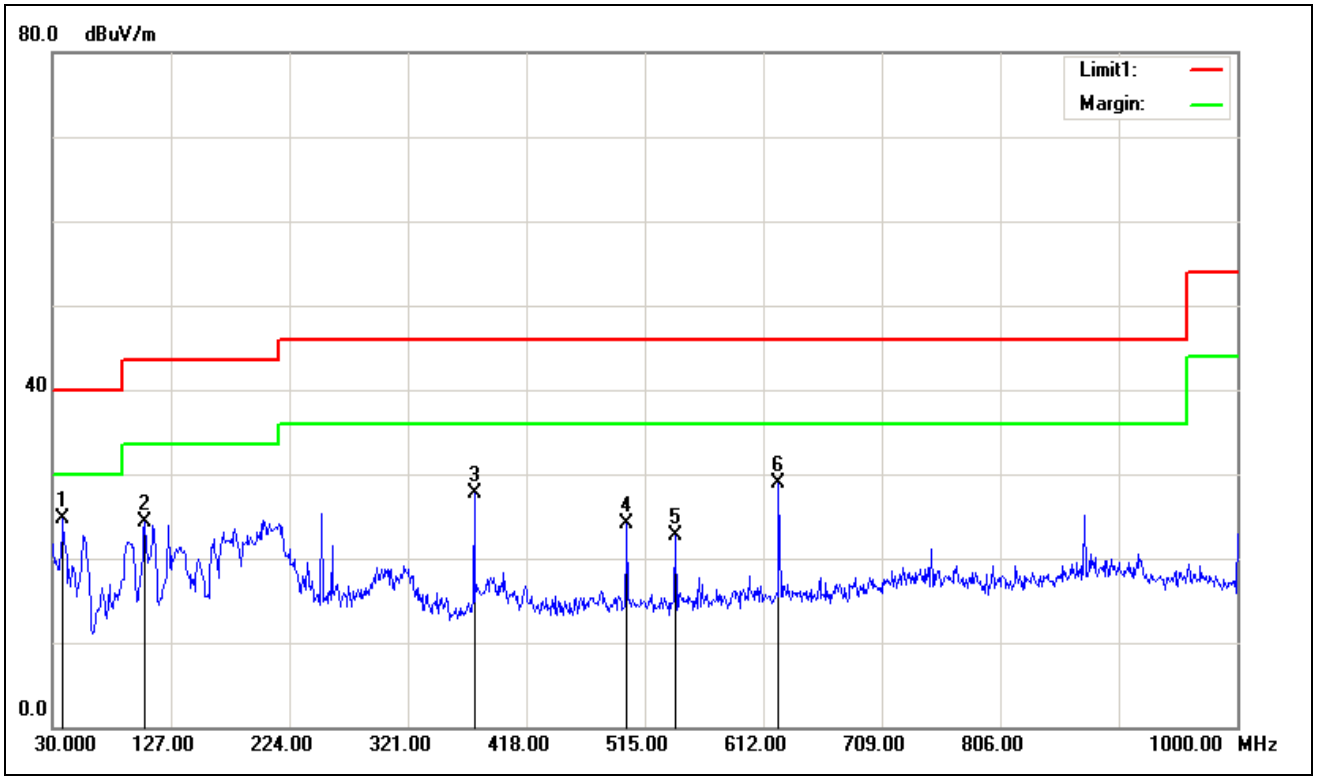
## Vertical




## Horizontal





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**Above 1 GHz**
**Antenna 0**
**Test Mode:** TX / IEEE 802.11b(CH Low) **Tested by:** Fade Zhong
**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1351.000 | 47.20 | -7.24 | 39.96 | 74.00 | -34.04 | V | peak |
| 2089.000 | 45.81 | -4.51 | 41.30 | 74.00 | -32.70 | V | peak |
| 2485.000 | 46.18 | -2.34 | 43.84 | 74.00 | -30.16 | V | peak |
| 3691.000 | 43.32 | 0.29 | 43.61 | 74.00 | -30.39 | V | peak |
| 5005.000 | 42.34 | 4.99 | 47.33 | 74.00 | -26.67 | V | peak |
| 5536.000 | 40.79 | 5.89 | 46.68 | 74.00 | -27.32 | V | peak |
| | | | | | | | |
| 1765.000 | 54.58 | -6.35 | 48.23 | 74.00 | -25.77 | H | Peak |
| 2566.000 | 46.03 | -2.14 | 43.89 | 74.00 | -30.11 | H | Peak |
| 3619.000 | 44.27 | -0.02 | 44.25 | 74.00 | -29.75 | H | Peak |
| 5077.000 | 41.54 | 5.12 | 46.66 | 74.00 | -27.34 | H | peak |
| 5806.000 | 41.29 | 6.00 | 47.29 | 74.00 | -26.71 | H | peak |
| 6778.000 | 41.21 | 7.34 | 48.55 | 74.00 | -25.45 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11b (CH Mid) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1747.000 | 48.01 | -6.38 | 41.63 | 74.00 | -32.37 | V | Peak |
| 2440.000 | 44.62 | -2.59 | 42.03 | 74.00 | -31.97 | V | Peak |
| 2836.000 | 45.41 | -1.66 | 43.75 | 74.00 | -30.25 | V | Peak |
| 3862.000 | 42.46 | 1.01 | 43.47 | 74.00 | -30.53 | V | Peak |
| 4825.000 | 41.18 | 4.41 | 45.59 | 74.00 | -28.41 | V | Peak |
| 5653.000 | 40.88 | 5.93 | 46.81 | 74.00 | -27.19 | V | Peak |
| | | | | | | | |
| 1765.000 | 48.14 | -6.35 | 41.79 | 74.00 | -32.21 | H | Peak |
| 2539.000 | 45.72 | -2.19 | 43.53 | 74.00 | -30.47 | H | Peak |
| 3655.000 | 44.30 | 0.13 | 44.43 | 74.00 | -29.57 | H | Peak |
| 3997.000 | 43.23 | 1.58 | 44.81 | 74.00 | -29.19 | H | Peak |
| 4384.000 | 42.17 | 2.94 | 45.11 | 74.00 | -28.89 | H | Peak |
| 5662.000 | 42.04 | 5.94 | 47.98 | 74.00 | -26.02 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11b (CH High) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1765.000 | 47.52 | -6.35 | 41.17 | 74.00 | -32.83 | V | Peak |
| 2458.000 | 47.32 | -2.49 | 44.83 | 74.00 | -29.17 | V | Peak |
| 3610.000 | 42.83 | -0.06 | 42.77 | 74.00 | -31.23 | V | Peak |
| 4573.000 | 43.00 | 3.59 | 46.59 | 74.00 | -27.41 | V | Peak |
| 5518.000 | 41.15 | 5.88 | 47.03 | 74.00 | -26.97 | V | Peak |
| 6535.000 | 40.83 | 6.95 | 47.78 | 74.00 | -26.22 | V | Peak |
| | | | | | | | |
| 1765.000 | 47.20 | -6.35 | 40.85 | 74.00 | -33.15 | H | Peak |
| 2512.000 | 46.07 | -2.24 | 43.83 | 74.00 | -30.17 | H | Peak |
| 3691.000 | 44.93 | 0.29 | 45.22 | 74.00 | -28.78 | H | Peak |
| 4546.000 | 42.70 | 3.50 | 46.20 | 74.00 | -27.80 | H | Peak |
| 5320.000 | 41.68 | 5.55 | 47.23 | 74.00 | -26.77 | H | Peak |
| 6328.000 | 40.90 | 6.61 | 47.51 | 74.00 | -26.49 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Antenna 1**

**Test Mode:** TX / IEEE 802.11b(CH Low) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1765.000 | 48.01 | -6.35 | 41.66 | 74.00 | -32.34 | V | peak |
| 2512.000 | 47.11 | -2.24 | 44.87 | 74.00 | -29.13 | V | peak |
| 3763.000 | 42.62 | 0.59 | 43.21 | 74.00 | -30.79 | V | peak |
| 4825.000 | 41.43 | 4.41 | 45.84 | 74.00 | -28.16 | V | peak |
| 5626.000 | 40.89 | 5.92 | 46.81 | 74.00 | -27.19 | V | peak |
| 6508.000 | 40.84 | 6.90 | 47.74 | 74.00 | -26.26 | V | peak |
| | | | | | | | |
| 1621.000 | 48.24 | -6.65 | 41.59 | 74.00 | -32.41 | H | Peak |
| 2557.000 | 46.57 | -2.16 | 44.41 | 74.00 | -29.59 | H | Peak |
| 3619.000 | 45.15 | -0.02 | 45.13 | 74.00 | -28.87 | H | Peak |
| 4825.000 | 43.11 | 4.41 | 47.52 | 74.00 | -26.48 | H | peak |
| 5869.000 | 41.05 | 6.02 | 47.07 | 74.00 | -26.93 | H | peak |
| 6481.000 | 41.14 | 6.86 | 48.00 | 74.00 | -26.00 | H | peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11b (CH Mid) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1765.000 | 48.16 | -6.35 | 41.81 | 74.00 | -32.19 | V | Peak |
| 2827.000 | 45.37 | -1.67 | 43.70 | 74.00 | -30.30 | V | Peak |
| 3367.000 | 43.85 | -0.74 | 43.11 | 74.00 | -30.89 | V | Peak |
| 4141.000 | 42.63 | 2.09 | 44.72 | 74.00 | -29.28 | V | Peak |
| 5041.000 | 41.72 | 5.05 | 46.77 | 74.00 | -27.23 | V | Peak |
| 6202.000 | 41.67 | 6.41 | 48.08 | 74.00 | -25.92 | V | Peak |
| | | | | | | | |
| 1756.000 | 47.56 | -6.36 | 41.20 | 74.00 | -32.80 | H | Peak |
| 2800.000 | 45.10 | -1.72 | 43.38 | 74.00 | -30.62 | H | Peak |
| 3655.000 | 45.34 | 0.13 | 45.47 | 74.00 | -28.53 | H | Peak |
| 4186.000 | 41.83 | 2.24 | 44.07 | 74.00 | -29.93 | H | Peak |
| 4978.000 | 41.49 | 4.91 | 46.40 | 74.00 | -27.60 | H | Peak |
| 5617.000 | 41.48 | 5.92 | 47.40 | 74.00 | -26.60 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11b (CH High) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1756.000 | 47.40 | -6.36 | 41.04 | 74.00 | -32.96 | V | Peak |
| 2503.000 | 46.01 | -2.25 | 43.76 | 74.00 | -30.24 | V | Peak |
| 3376.000 | 43.51 | -0.73 | 42.78 | 74.00 | -31.22 | V | Peak |
| 4231.000 | 43.29 | 2.40 | 45.69 | 74.00 | -28.31 | V | Peak |
| 5212.000 | 41.37 | 5.36 | 46.73 | 74.00 | -27.27 | V | Peak |
| 6526.000 | 40.77 | 6.93 | 47.70 | 74.00 | -26.30 | V | Peak |
| | | | | | | | |
| 1765.000 | 50.21 | -6.35 | 43.86 | 74.00 | -30.14 | H | Peak |
| 2818.000 | 45.11 | -1.69 | 43.42 | 74.00 | -30.58 | H | Peak |
| 3691.000 | 45.32 | 0.29 | 45.61 | 74.00 | -28.39 | H | Peak |
| 4699.000 | 42.30 | 4.00 | 46.30 | 74.00 | -27.70 | H | Peak |
| 5356.000 | 41.15 | 5.61 | 46.76 | 74.00 | -27.24 | H | Peak |
| 5914.000 | 41.27 | 6.04 | 47.31 | 74.00 | -26.69 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Antenna 2**

**Test Mode:** TX / IEEE 802.11b(CH Low) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1765.000 | 47.64 | -6.35 | 41.29 | 74.00 | -32.71 | V | peak |
| 2512.000 | 45.70 | -2.24 | 43.46 | 74.00 | -30.54 | V | peak |
| 3700.000 | 43.18 | 0.32 | 43.50 | 74.00 | -30.50 | V | peak |
| 5005.000 | 41.81 | 4.99 | 46.80 | 74.00 | -27.20 | V | peak |
| 5518.000 | 41.89 | 5.88 | 47.77 | 74.00 | -26.23 | V | peak |
| 6031.000 | 42.38 | 6.13 | 48.51 | 74.00 | -25.49 | V | peak |
| | | | | | | | |
| 1756.000 | 50.96 | -6.36 | 44.60 | 74.00 | -29.40 | H | Peak |
| 2521.000 | 46.29 | -2.22 | 44.07 | 74.00 | -29.93 | H | Peak |
| 3646.000 | 43.98 | 0.10 | 44.08 | 74.00 | -29.92 | H | Peak |
| 4915.000 | 42.09 | 4.70 | 46.79 | 74.00 | -27.21 | H | peak |
| 5950.000 | 41.28 | 6.06 | 47.34 | 74.00 | -26.66 | H | peak |
| 6958.000 | 40.93 | 7.63 | 48.56 | 74.00 | -25.44 | H | peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11b (CH Mid) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1756.000 | 49.64 | -6.36 | 43.28 | 74.00 | -30.72 | V | Peak |
| 2512.000 | 45.73 | -2.24 | 43.49 | 74.00 | -30.51 | V | Peak |
| 3790.000 | 43.02 | 0.70 | 43.72 | 74.00 | -30.28 | V | Peak |
| 4339.000 | 42.44 | 2.78 | 45.22 | 74.00 | -28.78 | V | Peak |
| 4933.000 | 42.12 | 4.76 | 46.88 | 74.00 | -27.12 | V | Peak |
| 6670.000 | 40.88 | 7.17 | 48.05 | 74.00 | -25.95 | V | Peak |
| | | | | | | | |
| 1747.000 | 48.89 | -6.38 | 42.51 | 74.00 | -31.49 | H | Peak |
| 2647.000 | 44.29 | -2.00 | 42.29 | 74.00 | -31.71 | H | Peak |
| 3214.000 | 44.87 | -1.00 | 43.87 | 74.00 | -30.13 | H | Peak |
| 4285.000 | 41.73 | 2.59 | 44.32 | 74.00 | -29.68 | H | Peak |
| 5212.000 | 41.49 | 5.36 | 46.85 | 74.00 | -27.15 | H | Peak |
| 6274.000 | 41.22 | 6.52 | 47.74 | 74.00 | -26.26 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11b (CH High) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1747.000 | 48.91 | -6.38 | 42.53 | 74.00 | -31.47 | V | Peak |
| 2521.000 | 46.44 | -2.22 | 44.22 | 74.00 | -29.78 | V | Peak |
| 3349.000 | 43.54 | -0.77 | 42.77 | 74.00 | -31.23 | V | Peak |
| 4330.000 | 43.72 | 2.75 | 46.47 | 74.00 | -27.53 | V | Peak |
| 5059.000 | 41.16 | 5.09 | 46.25 | 74.00 | -27.75 | V | Peak |
| 5491.000 | 41.63 | 5.85 | 47.48 | 74.00 | -26.52 | V | Peak |
| | | | | | | | |
| 1765.000 | 52.66 | -6.35 | 46.31 | 74.00 | -27.69 | H | Peak |
| 2557.000 | 45.60 | -2.16 | 43.44 | 74.00 | -30.56 | H | Peak |
| 3691.000 | 44.74 | 0.29 | 45.03 | 74.00 | -28.97 | H | Peak |
| 4825.000 | 41.77 | 4.41 | 46.18 | 74.00 | -27.82 | H | Peak |
| 5797.000 | 40.85 | 5.99 | 46.84 | 74.00 | -27.16 | H | Peak |
| 6445.000 | 41.05 | 6.80 | 47.85 | 74.00 | -26.15 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Antenna 0**

**Test Mode:** TX / IEEE 802.11g(CH Low) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1765.000 | 48.07 | -6.35 | 41.72 | 74.00 | -32.28 | V | Peak |
| 2530.000 | 45.15 | -2.21 | 42.94 | 74.00 | -31.06 | V | Peak |
| 3061.000 | 44.35 | -1.26 | 43.09 | 74.00 | -30.91 | V | Peak |
| 3772.000 | 42.90 | 0.63 | 43.53 | 74.00 | -30.47 | V | Peak |
| 4807.000 | 41.38 | 4.35 | 45.73 | 74.00 | -28.27 | V | Peak |
| 5608.000 | 41.35 | 5.92 | 47.27 | 74.00 | -26.73 | V | Peak |
| | | | | | | | |
| 1594.000 | 47.58 | -6.71 | 40.87 | 74.00 | -33.13 | H | Peak |
| 2647.000 | 45.11 | -2.00 | 43.11 | 74.00 | -30.89 | H | Peak |
| 3619.000 | 44.70 | -0.02 | 44.68 | 74.00 | -29.32 | H | Peak |
| 4411.000 | 42.41 | 3.04 | 45.45 | 74.00 | -28.55 | H | Peak |
| 5464.000 | 42.30 | 5.81 | 48.11 | 74.00 | -25.89 | H | Peak |
| 6310.000 | 41.11 | 6.58 | 47.69 | 74.00 | -26.31 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11g (CH Mid) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 2035.000 | 45.77 | -4.81 | 40.96 | 74.00 | -33.04 | V | Peak |
| 2503.000 | 45.53 | -2.25 | 43.28 | 74.00 | -30.72 | V | Peak |
| 3646.000 | 43.43 | 0.10 | 43.53 | 74.00 | -30.47 | V | Peak |
| 4555.000 | 42.36 | 3.53 | 45.89 | 74.00 | -28.11 | V | Peak |
| 5302.000 | 41.30 | 5.52 | 46.82 | 74.00 | -27.18 | V | Peak |
| 5707.000 | 42.38 | 5.96 | 48.34 | 74.00 | -25.66 | V | Peak |
| | | | | | | | |
| 1765.000 | 48.20 | -6.35 | 41.85 | 74.00 | -32.15 | H | Peak |
| 2521.000 | 46.44 | -2.22 | 44.22 | 74.00 | -29.78 | H | Peak |
| 3223.000 | 44.20 | -0.99 | 43.21 | 74.00 | -30.79 | H | Peak |
| 4411.000 | 42.66 | 3.04 | 45.70 | 74.00 | -28.30 | H | Peak |
| 4996.000 | 42.45 | 4.97 | 47.42 | 74.00 | -26.58 | H | Peak |
| 5941.000 | 41.40 | 6.06 | 47.46 | 74.00 | -26.54 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11g (CH High) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1765.000 | 50.62 | -6.35 | 44.27 | 74.00 | -29.73 | V | Peak |
| 2458.000 | 46.29 | -2.49 | 43.80 | 74.00 | -30.20 | V | Peak |
| 2818.000 | 45.32 | -1.69 | 43.63 | 74.00 | -30.37 | V | Peak |
| 3619.000 | 42.93 | -0.02 | 42.91 | 74.00 | -31.09 | V | Peak |
| 4501.000 | 42.30 | 3.35 | 45.65 | 74.00 | -28.35 | V | Peak |
| 5122.000 | 41.61 | 5.20 | 46.81 | 74.00 | -27.19 | V | Peak |
| | | | | | | | |
| 1747.000 | 47.41 | -6.38 | 41.03 | 74.00 | -32.97 | H | Peak |
| 2521.000 | 46.89 | -2.22 | 44.67 | 74.00 | -29.33 | H | Peak |
| 3772.000 | 43.40 | 0.63 | 44.03 | 74.00 | -29.97 | H | Peak |
| 4996.000 | 43.31 | 4.97 | 48.28 | 74.00 | -25.72 | H | Peak |
| 5455.000 | 41.48 | 5.79 | 47.27 | 74.00 | -26.73 | H | Peak |
| 6607.000 | 40.63 | 7.06 | 47.69 | 74.00 | -26.31 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Antenna 1**

**Test Mode:** TX / IEEE 802.11g(CH Low) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1765.000 | 47.55 | -6.35 | 41.20 | 74.00 | -32.80 | V | Peak |
| 2512.000 | 45.92 | -2.24 | 43.68 | 74.00 | -30.32 | V | Peak |
| 3070.000 | 43.57 | -1.24 | 42.33 | 74.00 | -31.67 | V | Peak |
| 4042.000 | 43.24 | 1.74 | 44.98 | 74.00 | -29.02 | V | Peak |
| 4996.000 | 42.92 | 4.97 | 47.89 | 74.00 | -26.11 | V | Peak |
| 5923.000 | 41.31 | 6.05 | 47.36 | 74.00 | -26.64 | V | Peak |
| | | | | | | | |
| 1747.000 | 48.15 | -6.38 | 41.77 | 74.00 | -32.23 | H | Peak |
| 2917.000 | 44.79 | -1.51 | 43.28 | 74.00 | -30.72 | H | Peak |
| 3997.000 | 42.63 | 1.58 | 44.21 | 74.00 | -29.79 | H | Peak |
| 4591.000 | 42.84 | 3.65 | 46.49 | 74.00 | -27.51 | H | Peak |
| 4996.000 | 42.46 | 4.97 | 47.43 | 74.00 | -26.57 | H | Peak |
| 6364.000 | 41.40 | 6.67 | 48.07 | 74.00 | -25.93 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11g (CH Mid) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1765.000 | 50.22 | -6.35 | 43.87 | 74.00 | -30.13 | V | Peak |
| 2521.000 | 45.98 | -2.22 | 43.76 | 74.00 | -30.24 | V | Peak |
| 3214.000 | 45.14 | -1.00 | 44.14 | 74.00 | -29.86 | V | Peak |
| 4393.000 | 42.66 | 2.97 | 45.63 | 74.00 | -28.37 | V | Peak |
| 4897.000 | 42.32 | 4.64 | 46.96 | 74.00 | -27.04 | V | Peak |
| 5905.000 | 41.47 | 6.04 | 47.51 | 74.00 | -26.49 | V | Peak |
| | | | | | | | |
| 1765.000 | 47.46 | -6.35 | 41.11 | 74.00 | -32.89 | H | Peak |
| 2530.000 | 45.50 | -2.21 | 43.29 | 74.00 | -30.71 | H | Peak |
| 3061.000 | 43.85 | -1.26 | 42.59 | 74.00 | -31.41 | H | Peak |
| 4699.000 | 42.59 | 4.00 | 46.59 | 74.00 | -27.41 | H | Peak |
| 5347.000 | 41.62 | 5.60 | 47.22 | 74.00 | -26.78 | H | Peak |
| 6706.000 | 40.61 | 7.22 | 47.83 | 74.00 | -26.17 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11g (CH High) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1747.000 | 48.33 | -6.38 | 41.95 | 74.00 | -32.05 | V | Peak |
| 2503.000 | 45.74 | -2.25 | 43.49 | 74.00 | -30.51 | V | Peak |
| 3214.000 | 43.24 | -1.00 | 42.24 | 74.00 | -31.76 | V | Peak |
| 4474.000 | 41.46 | 3.26 | 44.72 | 74.00 | -29.28 | V | Peak |
| 5500.000 | 41.19 | 5.87 | 47.06 | 74.00 | -26.94 | V | Peak |
| 6670.000 | 41.66 | 7.17 | 48.83 | 74.00 | -25.17 | V | Peak |
| | | | | | | | |
| 1765.000 | 53.44 | -6.35 | 47.09 | 74.00 | -26.91 | H | Peak |
| 2539.000 | 45.89 | -2.19 | 43.70 | 74.00 | -30.30 | H | Peak |
| 2818.000 | 44.68 | -1.69 | 42.99 | 74.00 | -31.01 | H | Peak |
| 3691.000 | 43.87 | 0.29 | 44.16 | 74.00 | -29.84 | H | Peak |
| 4312.000 | 42.09 | 2.69 | 44.78 | 74.00 | -29.22 | H | Peak |
| 4933.000 | 43.04 | 4.76 | 47.80 | 74.00 | -26.20 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Antenna 2**

**Test Mode:** TX / IEEE 802.11g(CH Low) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1747.000 | 54.42 | -6.38 | 48.04 | 74.00 | -25.96 | V | Peak |
| 2548.000 | 45.74 | -2.17 | 43.57 | 74.00 | -30.43 | V | Peak |
| 3358.000 | 43.74 | -0.76 | 42.98 | 74.00 | -31.02 | V | Peak |
| 4636.000 | 42.96 | 3.79 | 46.75 | 74.00 | -27.25 | V | Peak |
| 5482.000 | 42.49 | 5.84 | 48.33 | 74.00 | -25.67 | V | Peak |
| 6328.000 | 41.26 | 6.61 | 47.87 | 74.00 | -26.13 | V | Peak |
| | | | | | | | |
| 1747.000 | 49.18 | -6.38 | 42.80 | 74.00 | -31.20 | H | Peak |
| 2548.000 | 45.97 | -2.17 | 43.80 | 74.00 | -30.20 | H | Peak |
| 3205.000 | 43.17 | -1.02 | 42.15 | 74.00 | -31.85 | H | Peak |
| 3889.000 | 43.19 | 1.12 | 44.31 | 74.00 | -29.69 | H | Peak |
| 5212.000 | 41.68 | 5.36 | 47.04 | 74.00 | -26.96 | H | Peak |
| 6103.000 | 41.51 | 6.25 | 47.76 | 74.00 | -26.24 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11g (CH Mid) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1756.000 | 47.40 | -6.36 | 41.04 | 74.00 | -32.96 | V | Peak |
| 2647.000 | 46.73 | -2.00 | 44.73 | 74.00 | -29.27 | V | Peak |
| 3358.000 | 43.96 | -0.76 | 43.20 | 74.00 | -30.80 | V | Peak |
| 4213.000 | 42.12 | 2.34 | 44.46 | 74.00 | -29.54 | V | Peak |
| 5041.000 | 41.95 | 5.05 | 47.00 | 74.00 | -27.00 | V | Peak |
| 5698.000 | 41.65 | 5.95 | 47.60 | 74.00 | -26.40 | V | Peak |
| | | | | | | | |
| 1765.000 | 51.58 | -6.35 | 45.23 | 74.00 | -28.77 | H | Peak |
| 2629.000 | 45.48 | -2.03 | 43.45 | 74.00 | -30.55 | H | Peak |
| 3655.000 | 44.80 | 0.13 | 44.93 | 74.00 | -29.07 | H | Peak |
| 4078.000 | 42.20 | 1.86 | 44.06 | 74.00 | -29.94 | H | Peak |
| 5041.000 | 42.91 | 5.05 | 47.96 | 74.00 | -26.04 | H | Peak |
| 6013.000 | 41.76 | 6.10 | 47.86 | 74.00 | -26.14 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11g (CH High) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1765.000 | 46.95 | -6.35 | 40.60 | 74.00 | -33.40 | V | Peak |
| 2638.000 | 46.62 | -2.01 | 44.61 | 74.00 | -29.39 | V | Peak |
| 3259.000 | 43.03 | -0.92 | 42.11 | 74.00 | -31.89 | V | Peak |
| 4438.000 | 42.26 | 3.13 | 45.39 | 74.00 | -28.61 | V | Peak |
| 5140.000 | 41.59 | 5.23 | 46.82 | 74.00 | -27.18 | V | Peak |
| 5959.000 | 41.35 | 6.06 | 47.41 | 74.00 | -26.59 | V | Peak |
| | | | | | | | |
| 1765.000 | 51.48 | -6.35 | 45.13 | 74.00 | -28.87 | H | Peak |
| 2665.000 | 46.08 | -1.96 | 44.12 | 74.00 | -29.88 | H | Peak |
| 3691.000 | 44.65 | 0.29 | 44.94 | 74.00 | -29.06 | H | Peak |
| 4771.000 | 42.04 | 4.23 | 46.27 | 74.00 | -27.73 | H | Peak |
| 5518.000 | 41.72 | 5.88 | 47.60 | 74.00 | -26.40 | H | Peak |
| 6166.000 | 41.21 | 6.35 | 47.56 | 74.00 | -26.44 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Combine with Antenna 0 and Antenna 1 and Antenna 2**

**Test Mode:** TX / IEEE 802.11n HT20 MHz (CH Low) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1756.000 | 47.75 | -6.36 | 41.39 | 74.00 | -32.61 | V | Peak |
| 2422.000 | 48.28 | -2.69 | 45.59 | 74.00 | -28.41 | V | Peak |
| 2638.000 | 47.21 | -2.01 | 45.20 | 74.00 | -28.80 | V | Peak |
| 3412.000 | 43.16 | -0.67 | 42.49 | 74.00 | -31.51 | V | Peak |
| 4231.000 | 43.52 | 2.40 | 45.92 | 74.00 | -28.08 | V | Peak |
| 5095.000 | 41.57 | 5.15 | 46.72 | 74.00 | -27.28 | V | Peak |
| | | | | | | | |
| 1927.000 | 46.20 | -5.46 | 40.74 | 74.00 | -33.26 | H | Peak |
| 2656.000 | 46.79 | -1.98 | 44.81 | 74.00 | -29.19 | H | Peak |
| 3376.000 | 43.44 | -0.73 | 42.71 | 74.00 | -31.29 | H | Peak |
| 4078.000 | 41.85 | 1.86 | 43.71 | 74.00 | -30.29 | H | Peak |
| 4816.000 | 44.38 | 4.38 | 48.76 | 74.00 | -25.24 | H | Peak |
| 6247.000 | 40.92 | 6.48 | 47.40 | 74.00 | -26.60 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11n HT20 MHz (CH Mid) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1765.000 | 48.31 | -6.35 | 41.96 | 74.00 | -32.04 | V | Peak |
| 2683.000 | 47.46 | -1.93 | 45.53 | 74.00 | -28.47 | V | Peak |
| 2917.000 | 44.46 | -1.51 | 42.95 | 74.00 | -31.05 | V | Peak |
| 4168.000 | 42.58 | 2.18 | 44.76 | 74.00 | -29.24 | V | Peak |
| 5437.000 | 41.96 | 5.76 | 47.72 | 74.00 | -26.28 | V | Peak |
| 6409.000 | 41.54 | 6.74 | 48.28 | 74.00 | -25.72 | V | Peak |
| | | | | | | | |
| 1747.000 | 48.01 | -6.38 | 41.63 | 74.00 | -32.37 | H | Peak |
| 2440.000 | 46.47 | -2.59 | 43.88 | 74.00 | -30.12 | H | Peak |
| 2620.000 | 45.64 | -2.04 | 43.60 | 74.00 | -30.40 | H | Peak |
| 3376.000 | 43.21 | -0.73 | 42.48 | 74.00 | -31.52 | H | Peak |
| 4321.000 | 42.16 | 2.72 | 44.88 | 74.00 | -29.12 | H | Peak |
| 4870.000 | 46.23 | 4.56 | 50.79 | 74.00 | -23.21 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / EEE 802.11n HT20 MHz (CH High) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1756.000 | 47.46 | -6.36 | 41.10 | 74.00 | -32.90 | V | Peak |
| 2656.000 | 46.25 | -1.98 | 44.27 | 74.00 | -29.73 | V | Peak |
| 3691.000 | 43.64 | 0.29 | 43.93 | 74.00 | -30.07 | V | Peak |
| 4780.000 | 41.40 | 4.26 | 45.66 | 74.00 | -28.34 | V | Peak |
| 5455.000 | 41.77 | 5.79 | 47.56 | 74.00 | -26.44 | V | Peak |
| 6499.000 | 41.55 | 6.89 | 48.44 | 74.00 | -25.56 | V | Peak |
| | | | | | | | |
| 1765.000 | 48.71 | -6.35 | 42.36 | 74.00 | -31.64 | H | Peak |
| 2674.000 | 46.13 | -1.95 | 44.18 | 74.00 | -29.82 | H | Peak |
| 2836.000 | 44.99 | -1.66 | 43.33 | 74.00 | -30.67 | H | Peak |
| 4033.000 | 42.19 | 1.71 | 43.90 | 74.00 | -30.10 | H | Peak |
| 5500.000 | 41.25 | 5.87 | 47.12 | 74.00 | -26.88 | H | Peak |
| 6445.000 | 41.55 | 6.80 | 48.35 | 74.00 | -25.65 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Combine with Antenna 0 and Antenna 1 and Antenna 2**

**Test Mode:** TX/ IEEE 802.11n HT40 MHz (CH Low) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1765.000 | 52.53 | -6.35 | 46.18 | 74.00 | -27.82 | V | Peak |
| 2665.000 | 46.27 | -1.96 | 44.31 | 74.00 | -29.69 | V | Peak |
| 3637.000 | 43.36 | 0.06 | 43.42 | 74.00 | -30.58 | V | Peak |
| 4303.000 | 42.23 | 2.66 | 44.89 | 74.00 | -29.11 | V | Peak |
| 4861.000 | 42.11 | 4.53 | 46.64 | 74.00 | -27.36 | V | Peak |
| 5428.000 | 41.54 | 5.74 | 47.28 | 74.00 | -26.72 | V | Peak |
| | | | | | | | |
| 1765.000 | 52.16 | -6.35 | 45.81 | 74.00 | -28.19 | H | Peak |
| 2656.000 | 46.45 | -1.98 | 44.47 | 74.00 | -29.53 | H | Peak |
| 3637.000 | 44.32 | 0.06 | 44.38 | 74.00 | -29.62 | H | Peak |
| 4258.000 | 42.12 | 2.50 | 44.62 | 74.00 | -29.38 | H | Peak |
| 4825.000 | 43.56 | 4.41 | 47.97 | 74.00 | -26.03 | H | Peak |
| 5563.000 | 42.30 | 5.90 | 48.20 | 74.00 | -25.80 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11n HT40 MHz (CH Mid) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1756.000 | 48.58 | -6.36 | 42.22 | 74.00 | -31.78 | V | Peak |
| 2656.000 | 45.81 | -1.98 | 43.83 | 74.00 | -30.17 | V | Peak |
| 3691.000 | 43.03 | 0.29 | 43.32 | 74.00 | -30.68 | V | Peak |
| 4888.000 | 42.76 | 4.61 | 47.37 | 74.00 | -26.63 | V | Peak |
| 5725.000 | 40.73 | 5.96 | 46.69 | 74.00 | -27.31 | V | Peak |
| 6553.000 | 40.77 | 6.98 | 47.75 | 74.00 | -26.25 | V | Peak |
| | | | | | | | |
| 1756.000 | 53.51 | -6.36 | 47.15 | 74.00 | -26.85 | H | Peak |
| 2656.000 | 46.11 | -1.98 | 44.13 | 74.00 | -29.87 | H | Peak |
| 3664.000 | 43.91 | 0.17 | 44.08 | 74.00 | -29.92 | H | Peak |
| 4330.000 | 42.30 | 2.75 | 45.05 | 74.00 | -28.95 | H | Peak |
| 4888.000 | 43.78 | 4.61 | 48.39 | 74.00 | -25.61 | H | Peak |
| 5626.000 | 40.84 | 5.92 | 46.76 | 74.00 | -27.24 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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**Test Mode:** TX / IEEE 802.11n HT40 MHz (CH High) **Tested by:** Fade Zhong

**Ambient temperature:** 24°C **Relative humidity:** 52% RH **Date:** August 8, 2017

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Pole (V/H) | Remark |
|---|---|---|---|---|---|---|---|
| 1351.000 | 48.23 | -7.24 | 40.99 | 74.00 | -33.01 | V | Peak |
| 2458.000 | 46.30 | -2.49 | 43.81 | 74.00 | -30.19 | V | Peak |
| 2674.000 | 45.58 | -1.95 | 43.63 | 74.00 | -30.37 | V | Peak |
| 3691.000 | 43.07 | 0.29 | 43.36 | 74.00 | -30.64 | V | Peak |
| 4222.000 | 43.16 | 2.37 | 45.53 | 74.00 | -28.47 | V | Peak |
| 4906.000 | 42.19 | 4.67 | 46.86 | 74.00 | -27.14 | V | Peak |
| | | | | | | | |
| 1765.000 | 49.79 | -6.35 | 43.44 | 74.00 | -30.56 | H | Peak |
| 2917.000 | 44.79 | -1.51 | 43.28 | 74.00 | -30.72 | H | Peak |
| 3691.000 | 44.66 | 0.29 | 44.95 | 74.00 | -29.05 | H | Peak |
| 4222.000 | 43.03 | 2.37 | 45.40 | 74.00 | -28.60 | H | Peak |
| 4924.000 | 45.47 | 4.73 | 50.20 | 74.00 | -23.80 | H | Peak |
| 5851.000 | 40.34 | 6.02 | 46.36 | 74.00 | -27.64 | H | Peak |

***Remark:***

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).


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## 7.3. 6dB BANDWIDTH MEASUREMENT

### 7.3.1. LIMITS

According to §15.247(a) (2), systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz. The minimum 6 dB bandwidth shall be at least 500 kHz.

### 7.3.2. TEST INSTRUMENTS

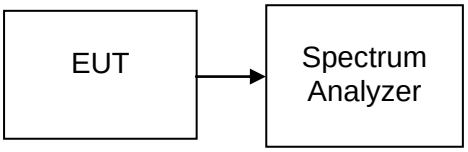
| Name of Equipment | Manufacturer | Model | Serial Number | Last Calibration | Calibration Due |
|---|---|---|---|---|---|
| Spectrum Analyzer | Agilent | N9010A | MY52221469 | 02/21/2017 | 02/20/2018 |

### 7.3.3. TEST PROCEDURES (please refer to measurement standard)

8.1 Option 2:

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described above (i.e., RBW = 100 kHz, VBW ≥ 3 RBW, peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

### 7.3.4. TEST SETUP





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### 7.3.5. TEST RESULTS

*No non-compliance noted*

**Test Data**

**Test mode: IEEE 802.11b**

| Channel | Frequency (MHz) | Bandwidth (kHz) | | | Limit (kHz) | Test Result |
|---|---|---|---|---|---|---|
| | | Antenna 0 | Antenna 1 | Antenna 2 | | |
| Low | 2412 | 8535 | 8069 | 8546 | >500 | PASS |
| Mid | 2437 | 8554 | 8535 | 8575 | | PASS |
| High | 2462 | 8564 | 8562 | 8541 | | PASS |

**Test mode: IEEE 802.11g**

| Channel | Frequency (MHz) | Bandwidth (kHz) | | | Limit (kHz) | Test Result |
|---|---|---|---|---|---|---|
| | | Antenna 0 | Antenna 1 | Antenna 2 | | |
| Low | 2412 | 16320 | 16300 | 16320 | >500 | PASS |
| Mid | 2437 | 16360 | 16090 | 16400 | | PASS |
| High | 2462 | 16320 | 15790 | 15750 | | PASS |

**Test mode: IEEE 802.11n HT20 MHz**

| Channel | Frequency (MHz) | Bandwidth (kHz) | | | Limit (kHz) | Test Result |
|---|---|---|---|---|---|---|
| | | Antenna 0 | Antenna 1 | Antenna 2 | | |
| Low | 2412 | 17560 | 17560 | 17290 | >500 | PASS |
| Mid | 2437 | 17590 | 17580 | 17620 | | PASS |
| High | 2462 | 17150 | 16980 | 17620 | | PASS |

**Test mode: IEEE 802.11n HT40 MHz**

| Channel | Frequency (MHz) | Bandwidth (kHz) | | | Limit (kHz) | Test Result |
|---|---|---|---|---|---|---|
| | | Antenna 0 | Antenna 1 | Antenna 2 | | |
| Low | 2422 | 35730 | 35270 | 35660 | >500 | PASS |
| Mid | 2437 | 36390 | 35780 | 36380 | | PASS |
| High | 2452 | 35670 | 36310 | 35730 | | PASS |


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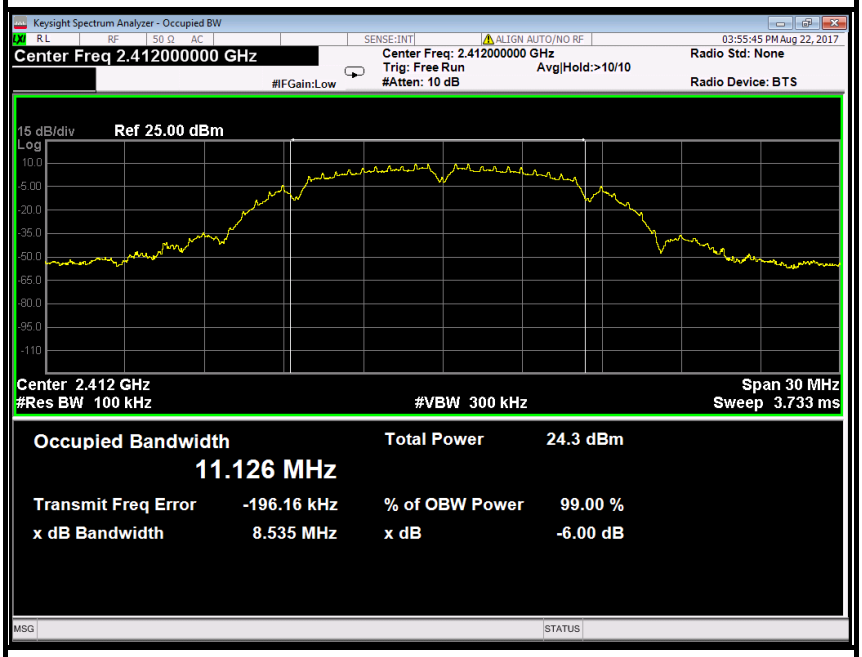
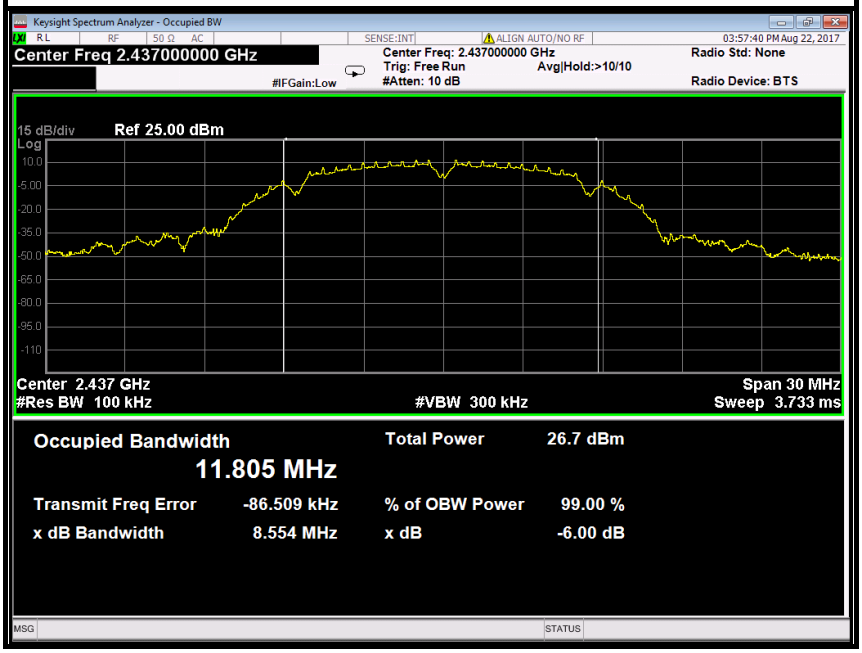
**Test Plot**
**Antenna 0**

## IEEE 802.11b mode

### 6dB Bandwidth (CH Low)




### 6dB Bandwidth (CH Mid)





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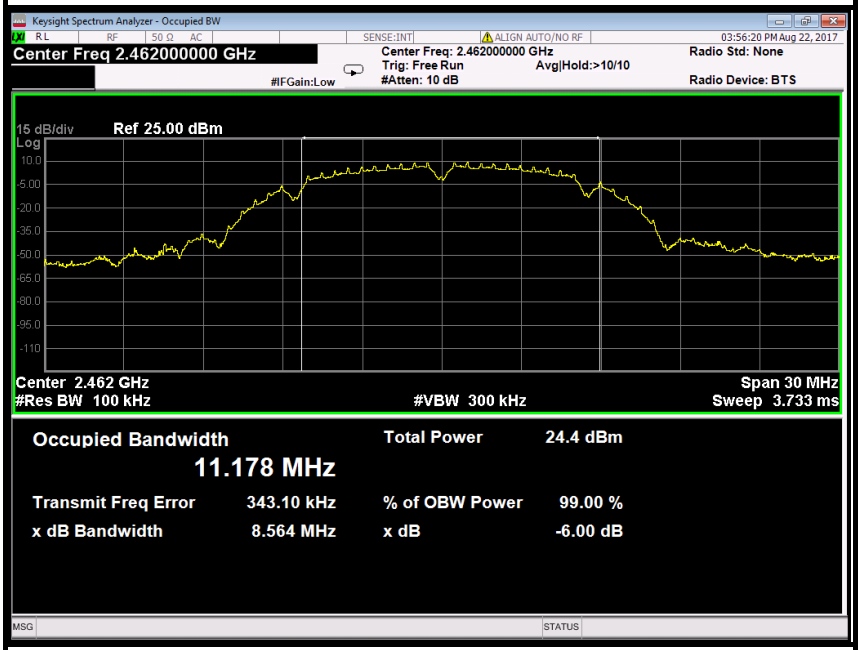
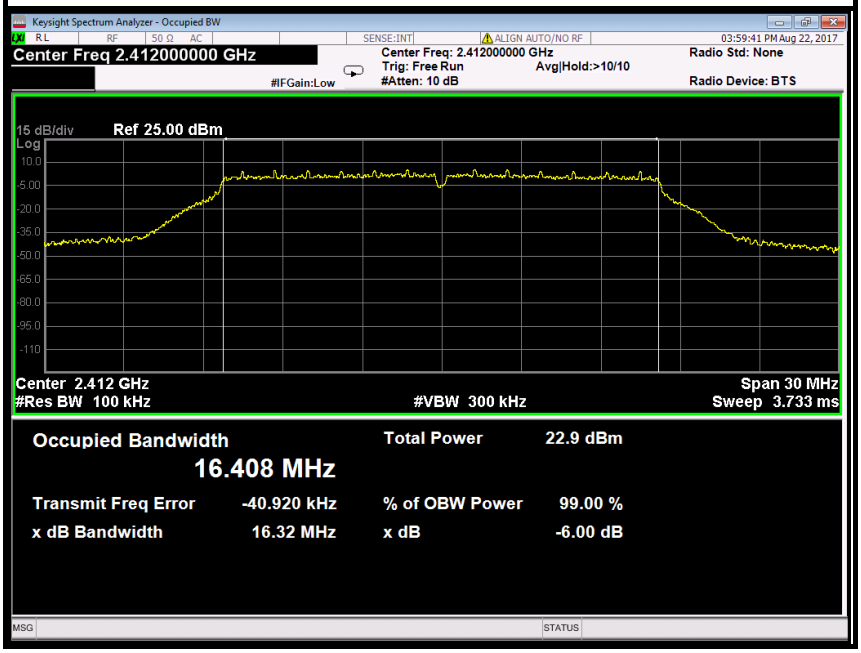
## 6dB Bandwidth (CH High)




## IEEE 802.11g mode

## 6dB Bandwidth (CH Low)





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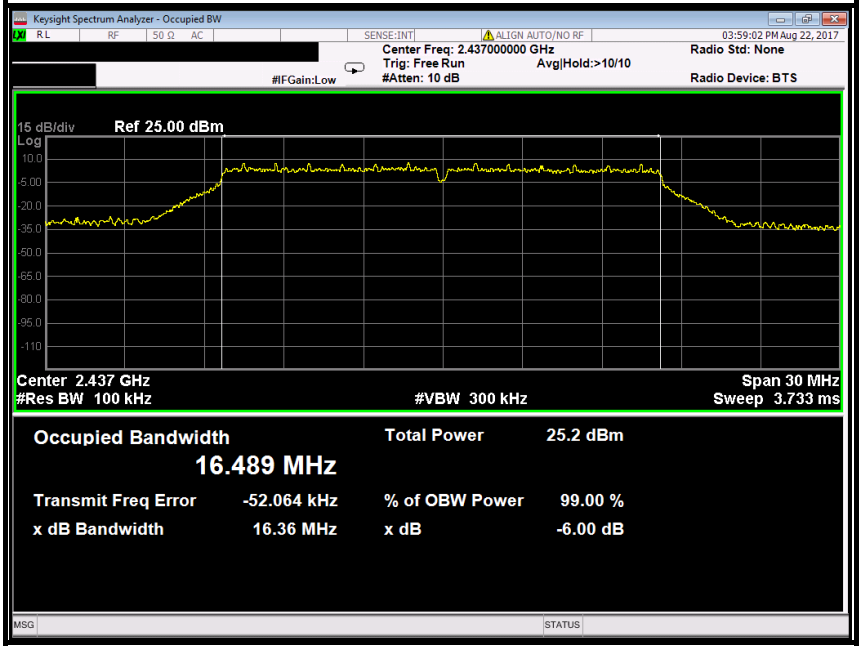
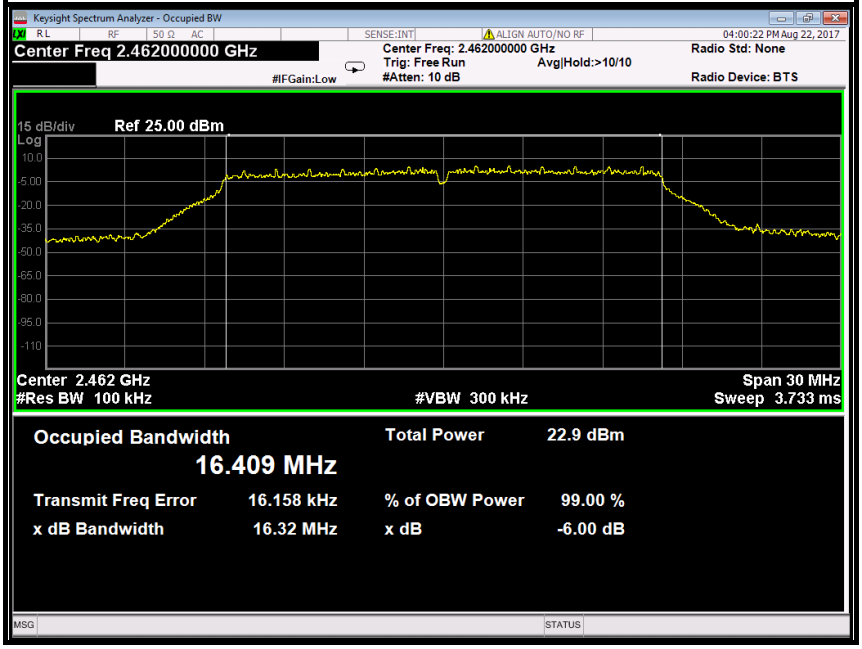
## 6dB Bandwidth (CH Mid)




## 6dB Bandwidth (CH High)





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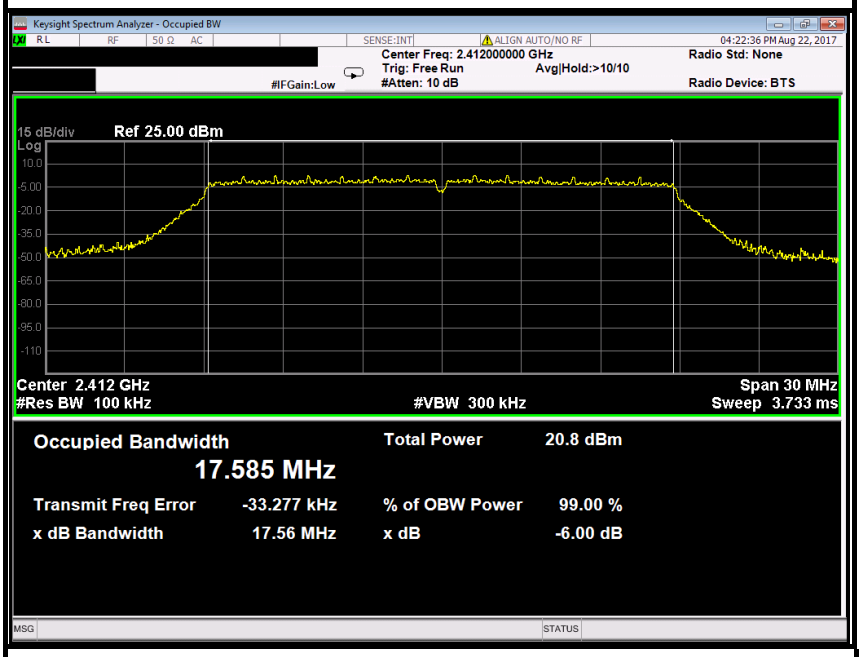
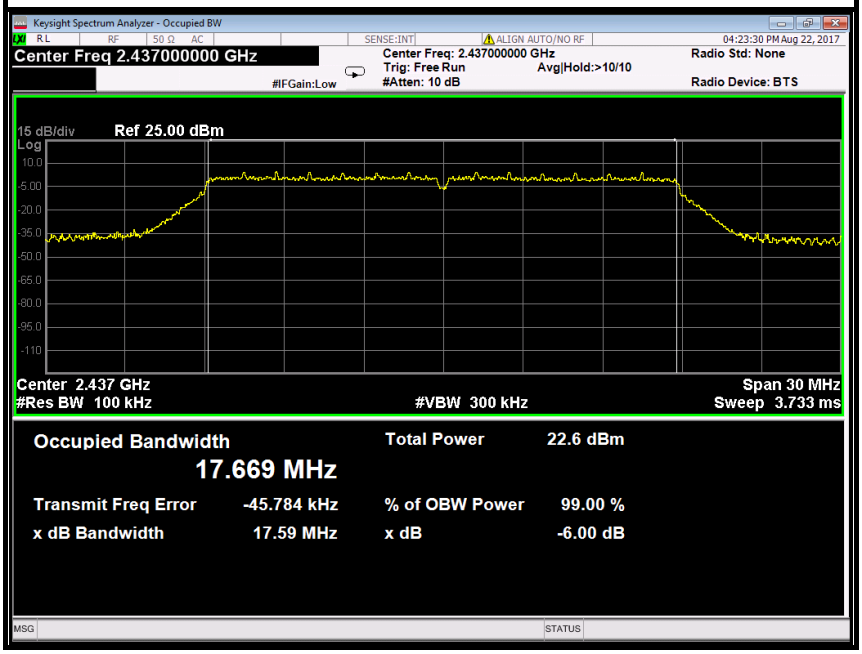
## IEEE 802.11n HT20 MHz mode

### 6dB Bandwidth (CH Low)




### 6dB Bandwidth (CH Mid)





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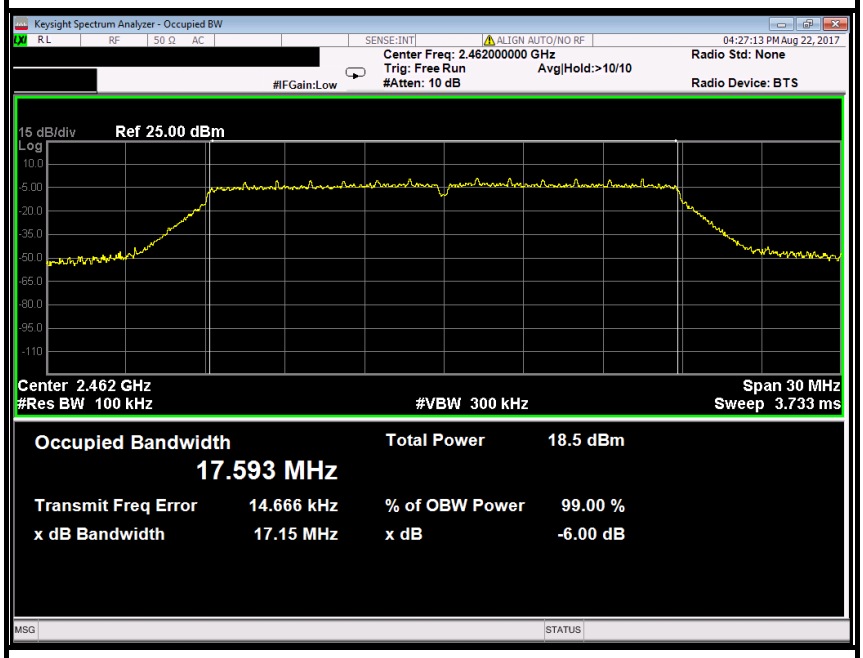
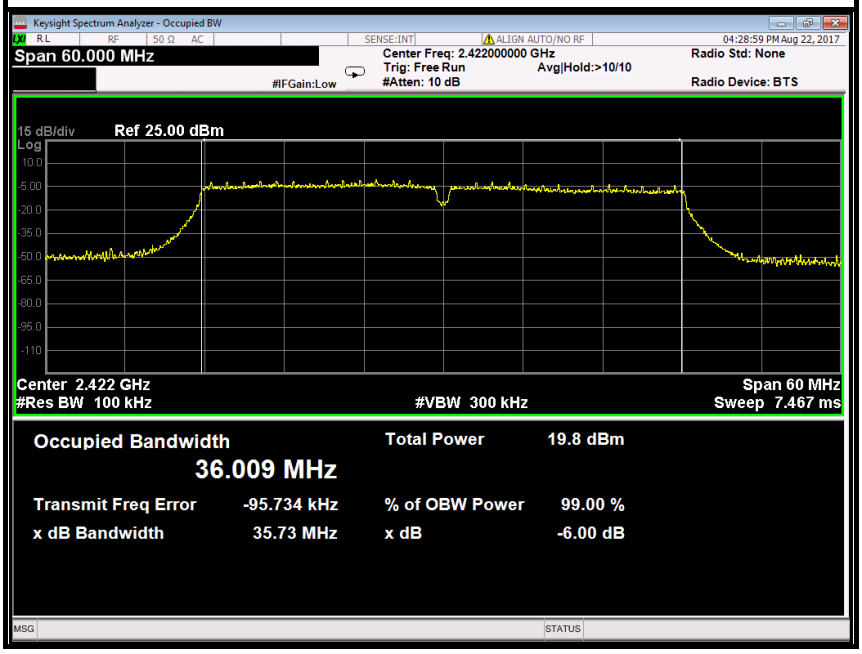
## 6dB Bandwidth (CH High)




## IEEE 802.11n HT40 MHz mode

## 6dB Bandwidth (CH Low)





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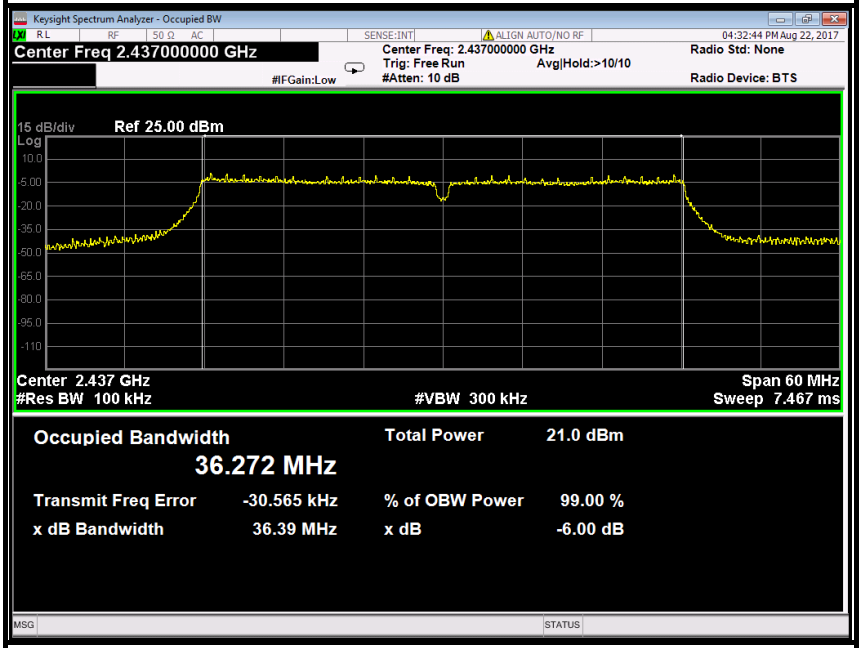
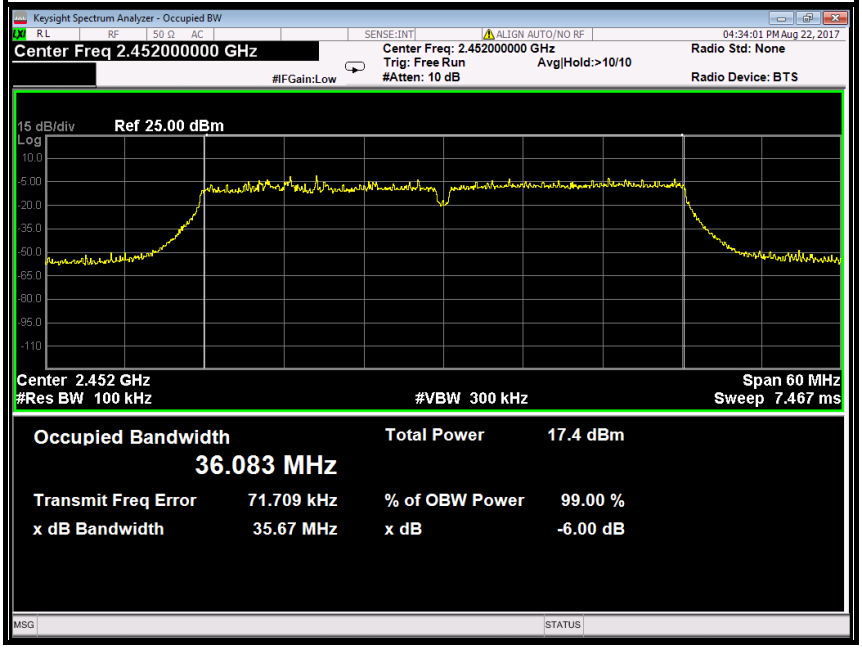
## 6dB Bandwidth (CH Mid)




## 6dB Bandwidth (CH High





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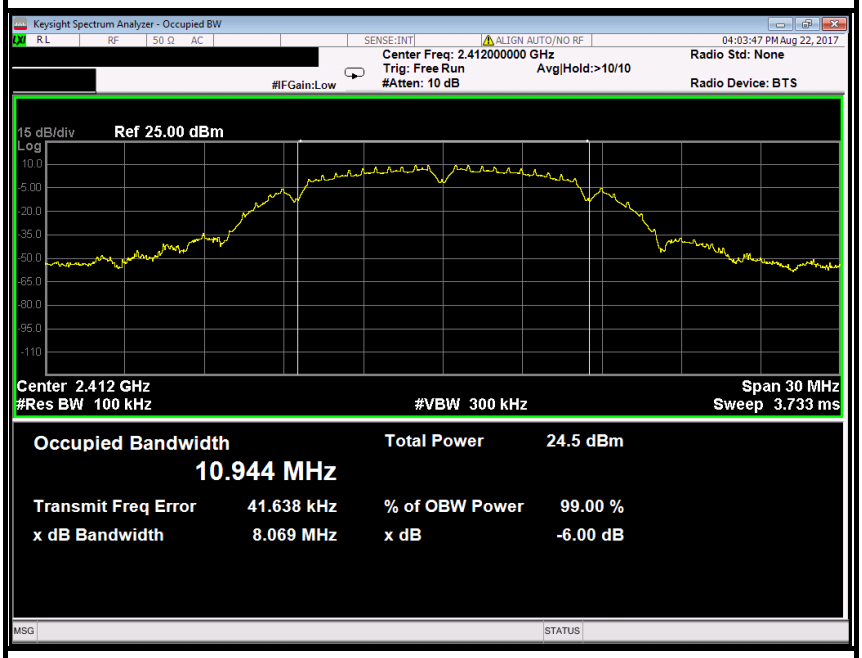
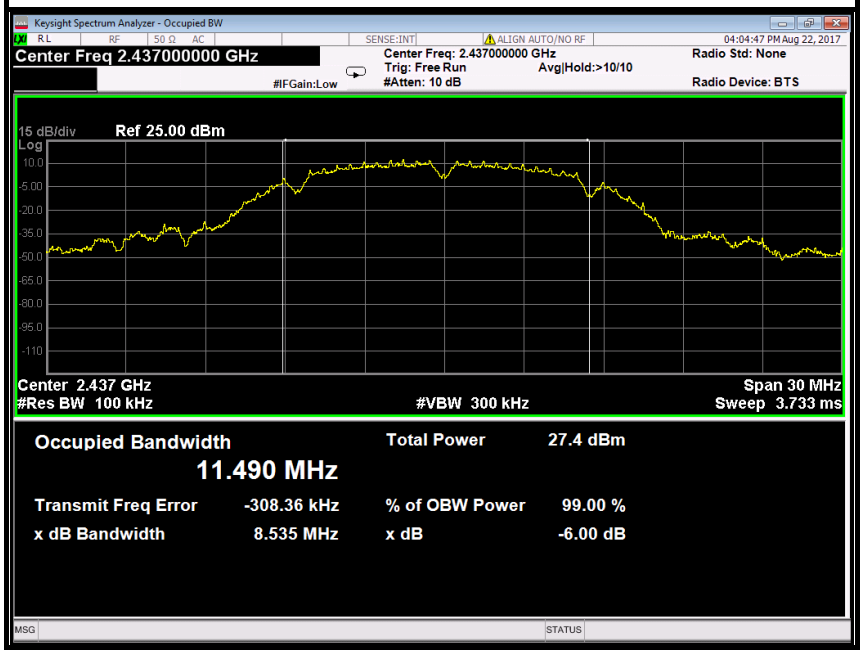
## Antenna 1

### IEEE 802.11b mode

### 6dB Bandwidth (CH Low)




### 6dB Bandwidth (CH Mid)





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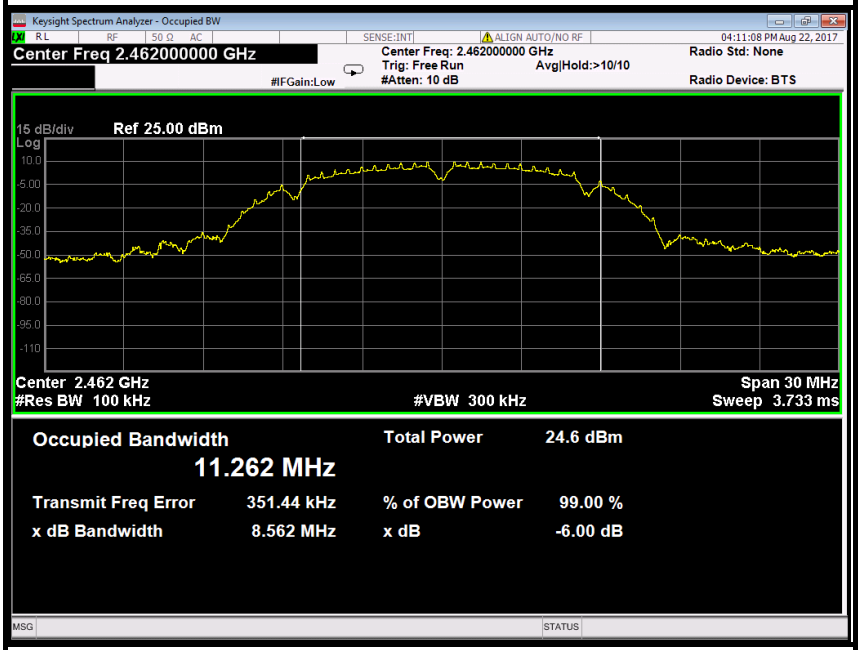
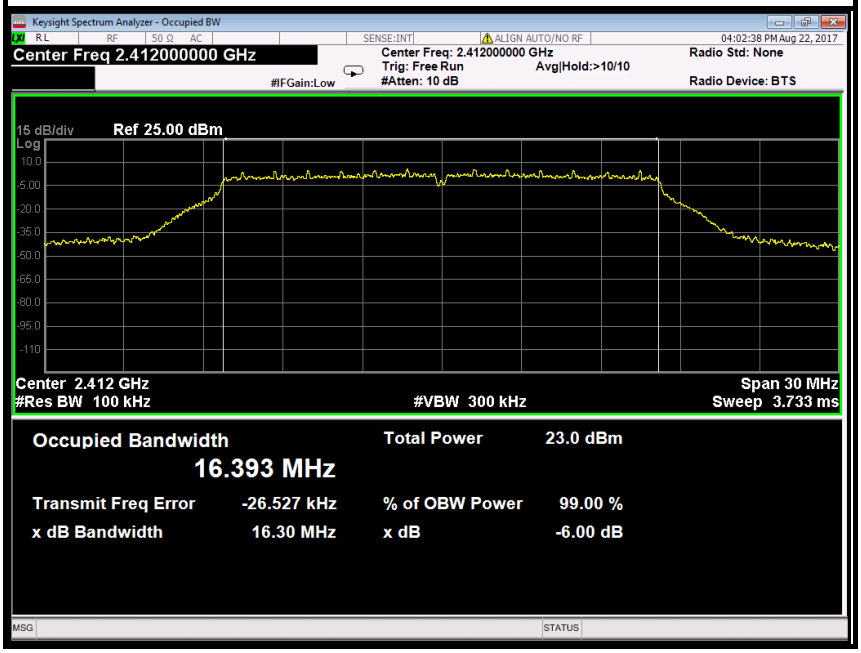
## 6dB Bandwidth (CH High)




## IEEE 802.11g mode

## 6dB Bandwidth (CH Low)





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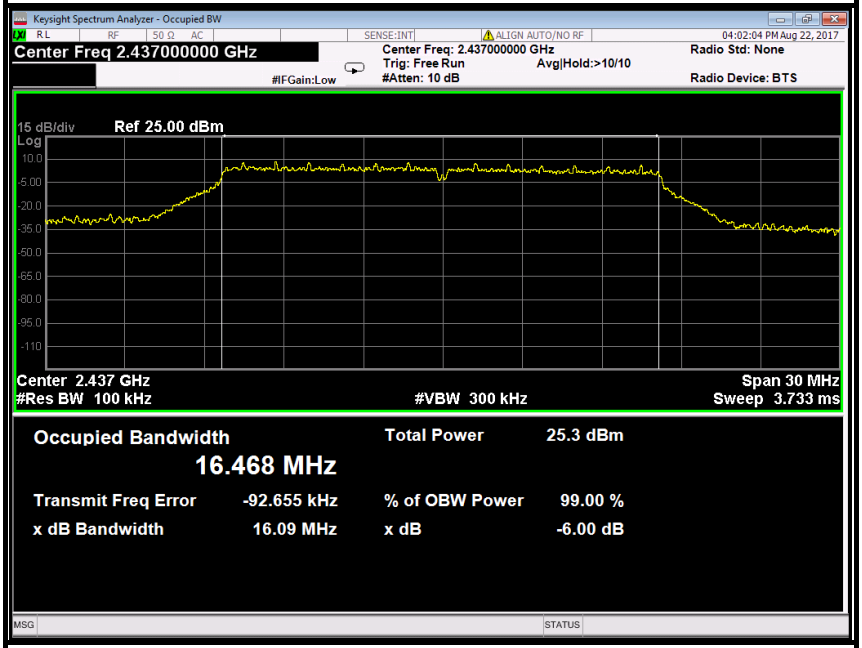
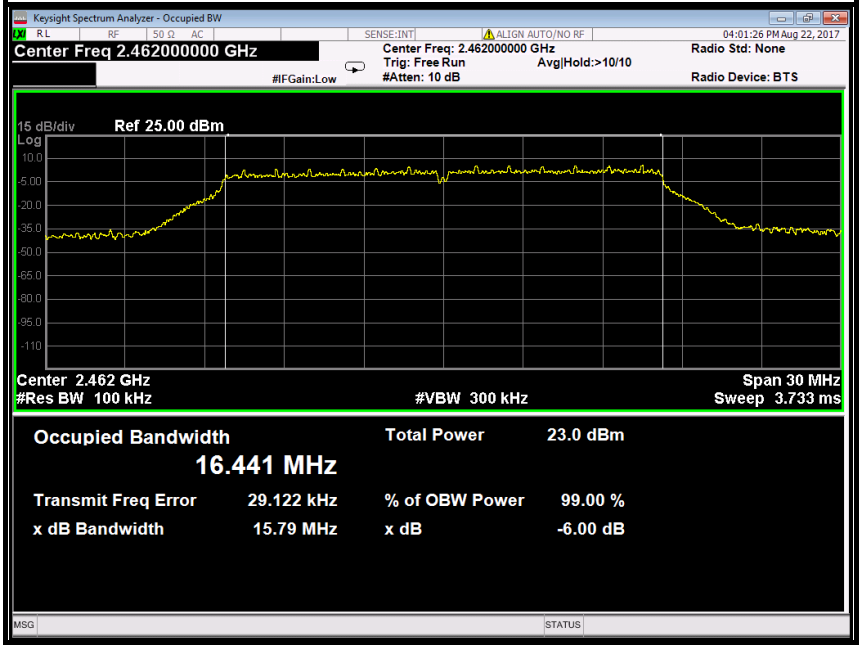
## 6dB Bandwidth (CH Mid)




## 6dB Bandwidth (CH High)





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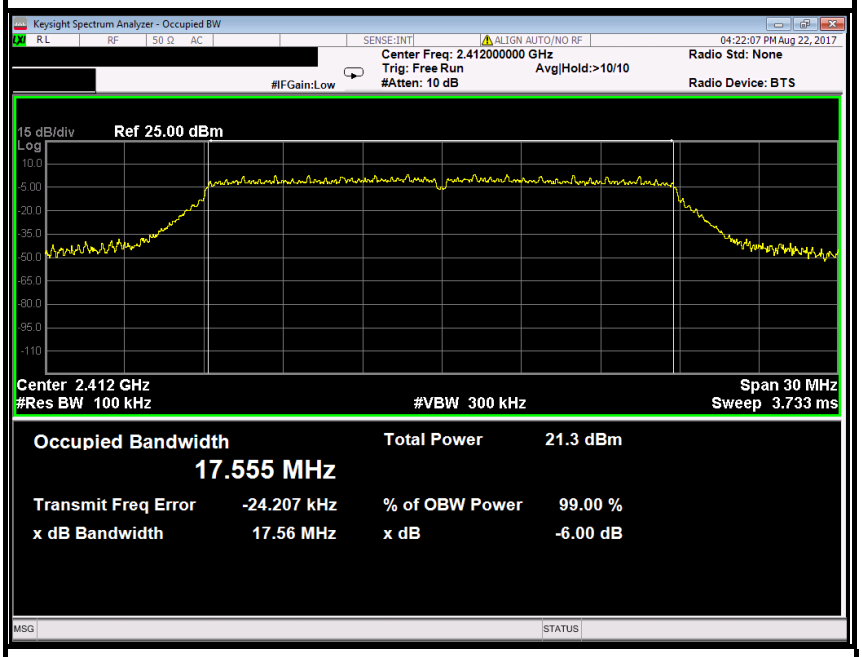
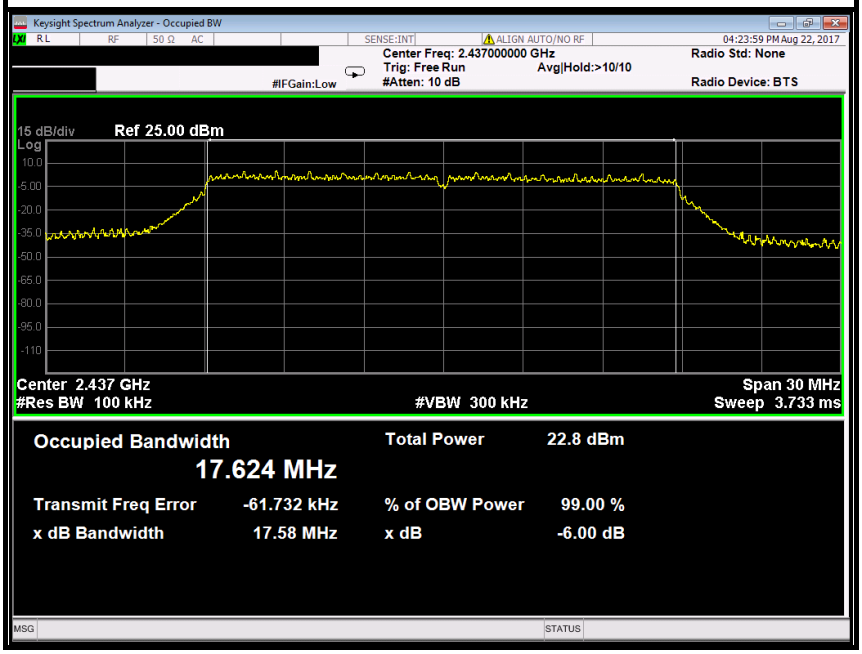
## IEEE 802.11n HT20 MHz mode

### 6dB Bandwidth (CH Low)




### 6dB Bandwidth (CH Mid)





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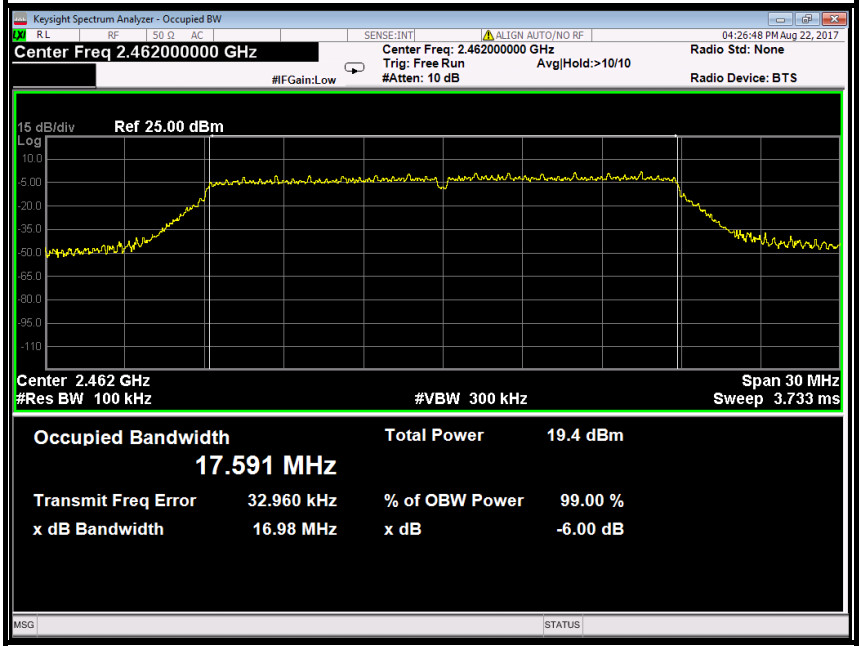
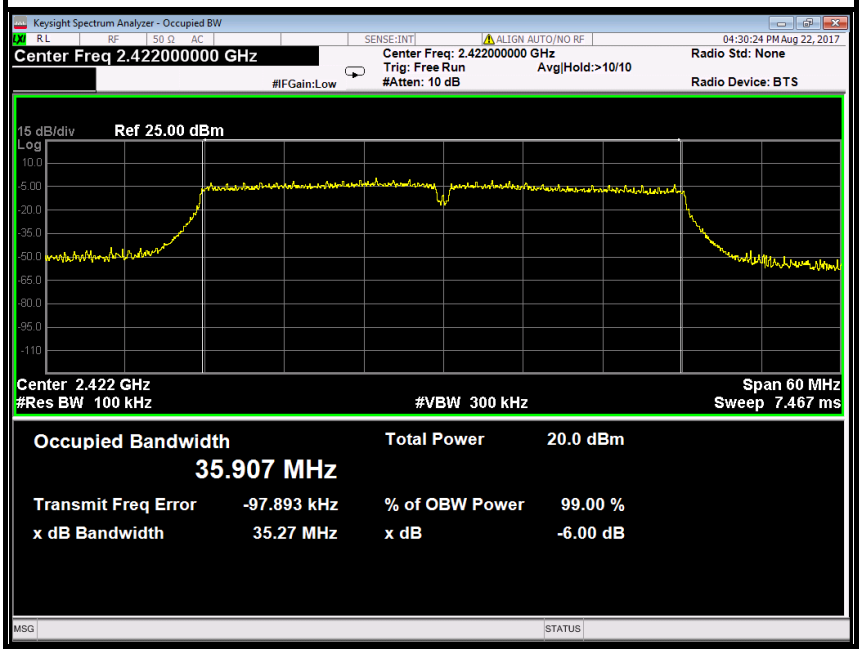
## 6dB Bandwidth (CH High)




## IEEE 802.11n HT40 MHz mode

## 6dB Bandwidth (CH Low)





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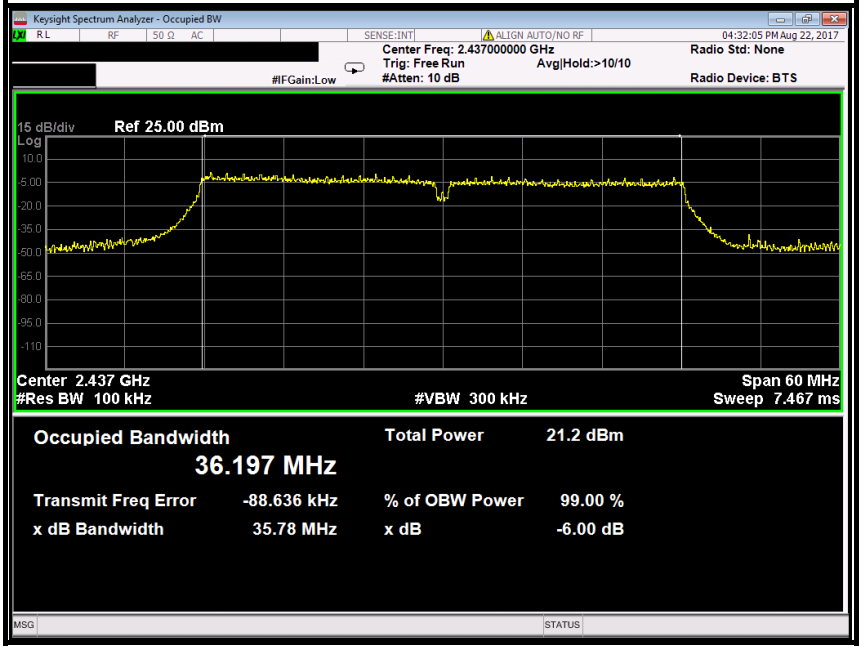
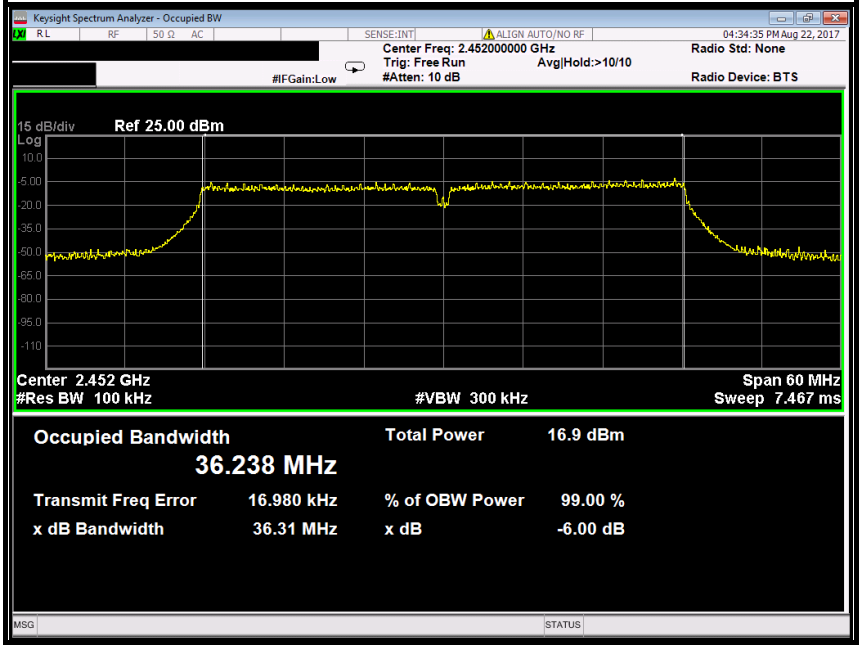
## 6dB Bandwidth (CH Mid)




## 6dB Bandwidth (CH High





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