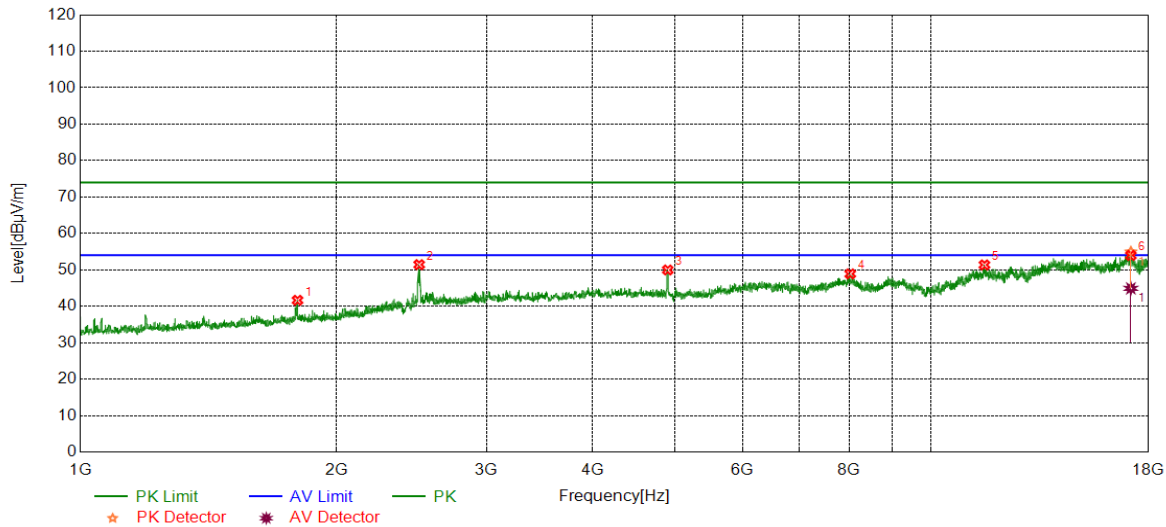




**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL)**

| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11G SISO  | HCH     | Horizontal   | PASS    |

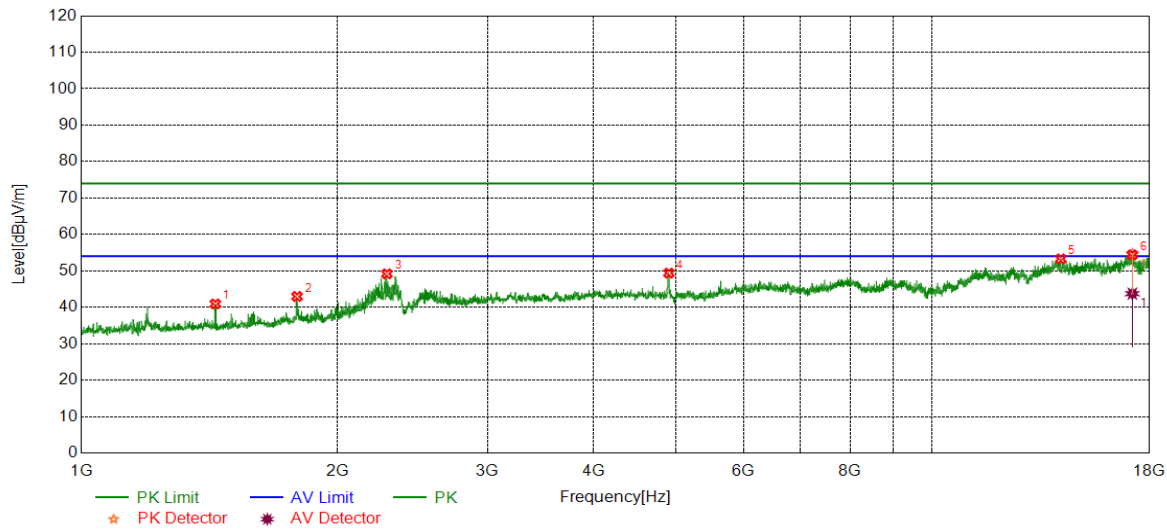


| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1799.5999  | 41.65    | 74.00        | -32.35        | --          | --           | Peak    |
| 2   | 2501.1671  | 51.44    | 74.00        | -22.56        | --          | --           | Peak    |
| 3   | 4900.3167  | 49.97    | 74.00        | -24.03        | --          | --           | Peak    |
| 4   | 8028.3381  | 48.90    | 74.00        | -25.10        | --          | --           | Peak    |
| 5   | 11543.9240 | 51.36    | 74.00        | -22.64        | --          | --           | Peak    |
| 6   | 17154.8591 | 54.91    | 74.00        | -19.09        | --          | --           | Peak    |
|     |            | 44.91    | --           | --            | 54.00       | -9.09        | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11G SISO  | HCH     | Vertical     | PASS    |



| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1436.8123  | 40.92    | 74.00        | -33.08        | --          | --           | Peak    |
| 2   | 1792.2641  | 42.97    | 74.00        | -31.03        | --          | --           | Peak    |
| 3   | 2285.7619  | 49.18    | 74.00        | -24.82        | --          | --           | Peak    |
| 4   | 4902.8171  | 49.38    | 74.00        | -24.62        | --          | --           | Peak    |
| 5   | 14154.3591 | 53.28    | 74.00        | -20.72        | --          | --           | Peak    |
| 6   | 17177.3629 | 54.61    | 74.00        | 19.39         | --          | --           | Peak    |
|     |            | 43.75    | --           | --            | 54.00       | -10.25       | Average |

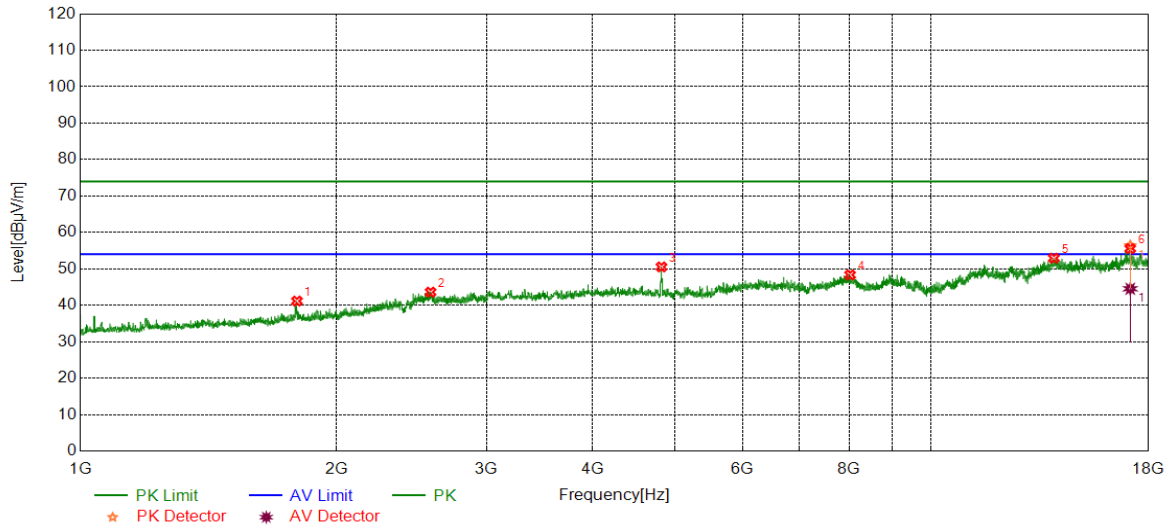
- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



### 9.2.3. 802.11n HT20 MODE

#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL)

| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N20SISO | LCH     | Horizontal   | PASS    |

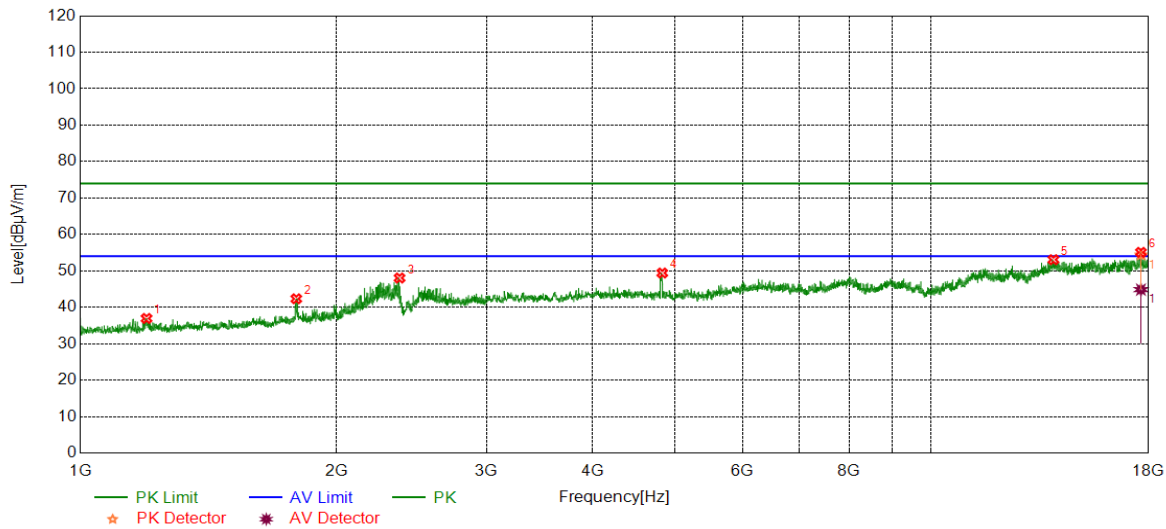


| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1796.9323  | 41.16    | 74.00        | -32.84        | --          | --           | Peak    |
| 2   | 2579.1931  | 43.61    | 74.00        | -30.39        | --          | --           | Peak    |
| 3   | 4817.8030  | 50.53    | 74.00        | -23.47        | --          | --           | Peak    |
| 4   | 8025.8376  | 48.34    | 74.00        | -25.66        | --          | --           | Peak    |
| 5   | 13929.3216 | 52.93    | 74.00        | -21.07        | --          | --           | Peak    |
| 6   | 17127.3546 | 56.35    | 74.00        | -17.65        | --          | --           | Peak    |
|     |            | 44.54    | --           | --            | 54.00       | -9.46        | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N20SISO | LCH     | Vertical     | PASS    |



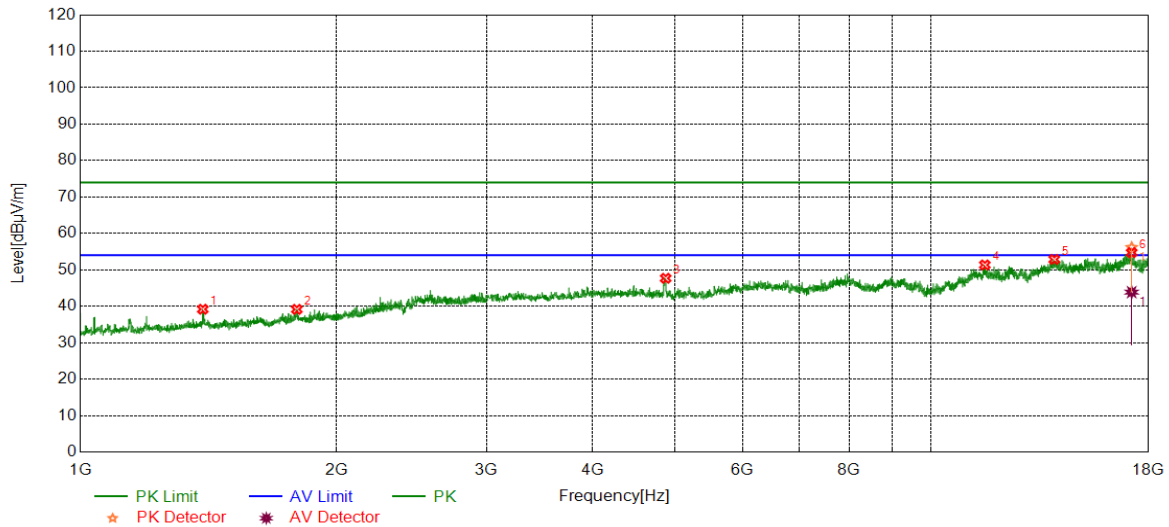
| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1196.0654  | 36.94    | 74.00        | -37.06        | --          | --           | Peak    |
| 2   | 1793.5979  | 42.34    | 74.00        | -31.66        | --          | --           | Peak    |
| 3   | 2371.7906  | 48.04    | 74.00        | -25.96        | --          | --           | Peak    |
| 4   | 4827.8046  | 49.41    | 74.00        | -24.59        | --          | --           | Peak    |
| 5   | 13911.8186 | 53.07    | 74.00        | -20.93        | --          | --           | Peak    |
| 6   | 17629.9383 | 54.38    | 74.00        | -19.62        | --          | --           | Peak    |
|     |            | 44.85    | --           | --            | 54.00       | -9.15        | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL)**

| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N20SISO | MCH     | Horizontal   | PASS    |

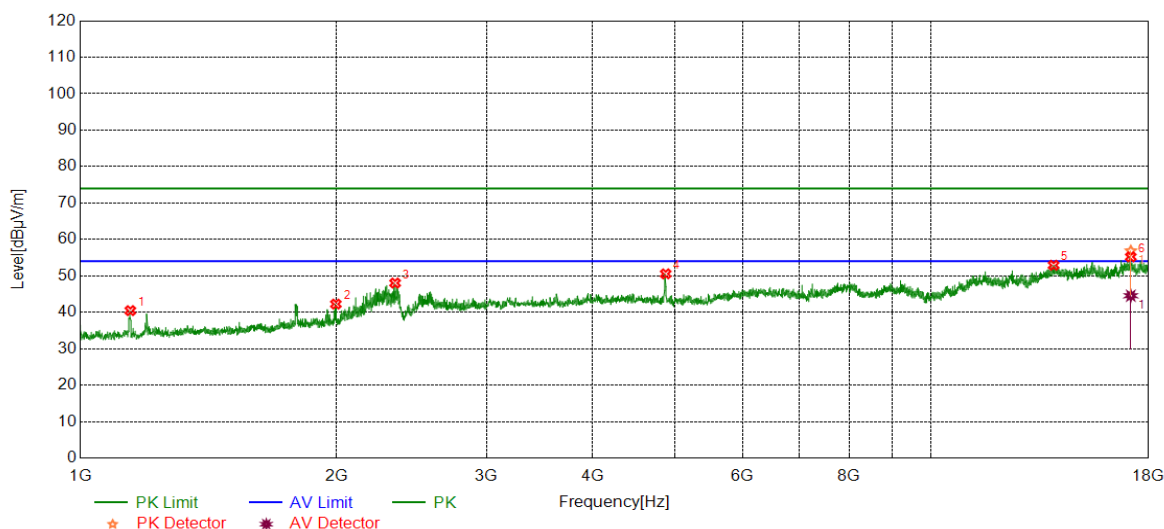


| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1392.7976  | 39.20    | 74.00        | -34.80        | --          | --           | Peak    |
| 2   | 1796.2654  | 39.16    | 74.00        | -34.84        | --          | --           | Peak    |
| 3   | 4872.8121  | 47.69    | 74.00        | -26.31        | --          | --           | Peak    |
| 4   | 11556.4261 | 51.35    | 74.00        | -22.65        | --          | --           | Peak    |
| 5   | 13944.3241 | 52.87    | 74.00        | -21.13        | --          | --           | Peak    |
| 6   | 17192.3654 | 56.15    | 74.00        | -17.85        | --          | --           | Peak    |
|     |            | 43.89    | --           | --            | 54.00       | -10.11       | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N20SISO | MCH     | Vertical     | PASS    |

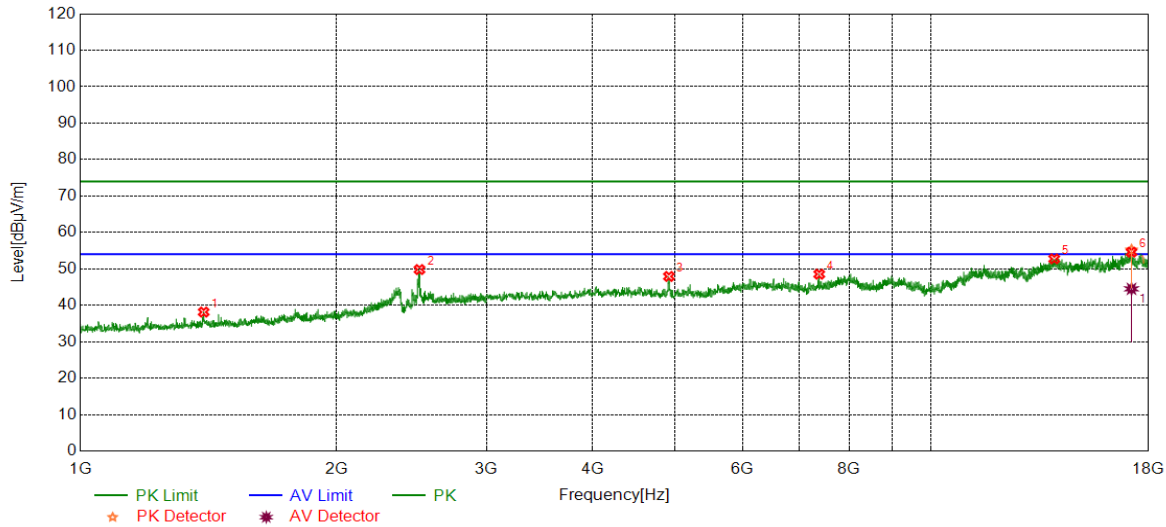


| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1144.7149  | 40.46    | 74.00        | -33.54        | --          | --           | Peak    |
| 2   | 1996.3321  | 42.26    | 74.00        | -31.74        | --          | --           | Peak    |
| 3   | 2343.1144  | 48.03    | 74.00        | -25.97        | --          | --           | Peak    |
| 4   | 4872.8121  | 50.56    | 74.00        | -23.44        | --          | --           | Peak    |
| 5   | 13919.3199 | 52.91    | 74.00        | -21.09        | --          | --           | Peak    |
| 6   | 17152.3587 | 56.86    | 74.00        | -17.14        | --          | --           | Peak    |
|     |            | 44.55    | --           | --            | 54.00       | -9.45        | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

### HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL)

| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N20SISO | HCH     | Horizontal   | PASS    |

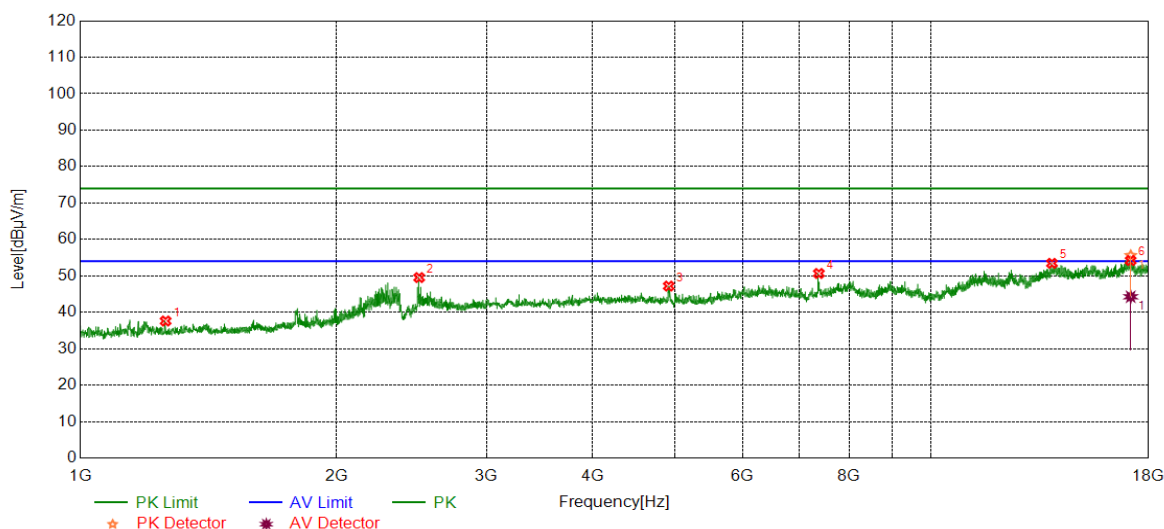


| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1396.1320  | 38.14    | 74.00        | -35.86        | --          | --           | Peak    |
| 2   | 2503.1677  | 49.81    | 74.00        | -24.19        | --          | --           | Peak    |
| 3   | 4915.3192  | 47.92    | 74.00        | -26.08        | --          | --           | Peak    |
| 4   | 7383.2305  | 48.54    | 74.00        | -25.46        | --          | --           | Peak    |
| 5   | 13941.8236 | 52.75    | 74.00        | -21.25        | --          | --           | Peak    |
| 6   | 17184.8641 | 55.19    | 74.00        | -18.81        | --          | --           | Peak    |
|     |            | 44.51    | --           | --            | 54.00       | -9.49        | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N20SISO | HCH     | Vertical     | PASS    |



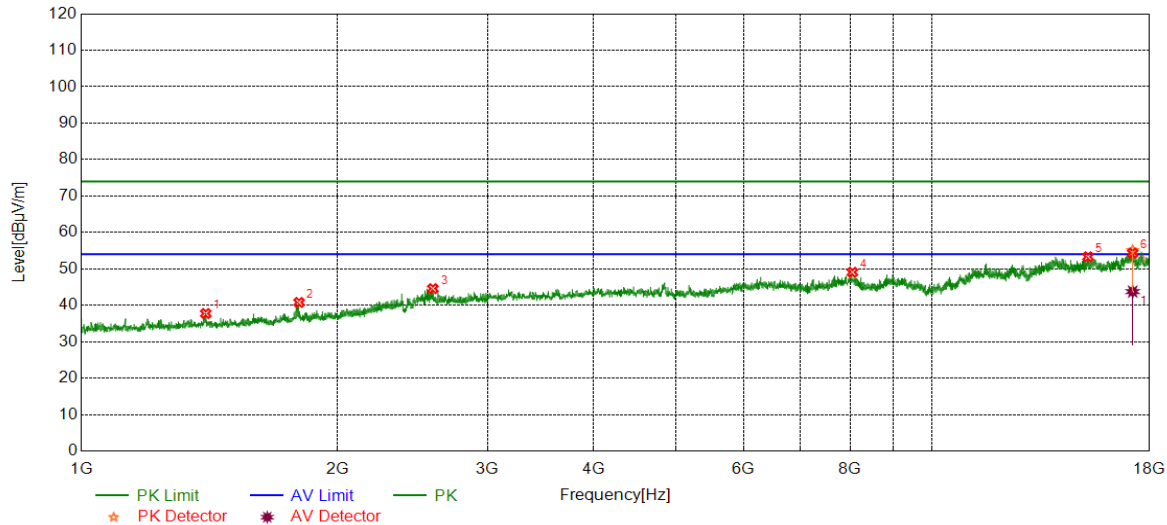
| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1259.4198  | 37.61    | 74.00        | -36.39        | --          | --           | Peak    |
| 2   | 2501.1671  | 49.53    | 74.00        | -24.47        | --          | --           | Peak    |
| 3   | 4912.8188  | 47.19    | 74.00        | -26.81        | --          | --           | Peak    |
| 4   | 7375.7293  | 50.66    | 74.00        | -23.34        | --          | --           | Peak    |
| 5   | 13856.8095 | 53.44    | 74.00        | -20.56        | --          | --           | Peak    |
| 6   | 17147.3579 | 55.59    | 74.00        | -18.41        | --          | --           | Peak    |
|     |            | 44.26    | --           | --            | 54.00       | -9.74        | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

### 9.2.1. 802.11n HT40 MODE

#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL)

| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N40SISO | LCH     | Horizontal   | PASS    |

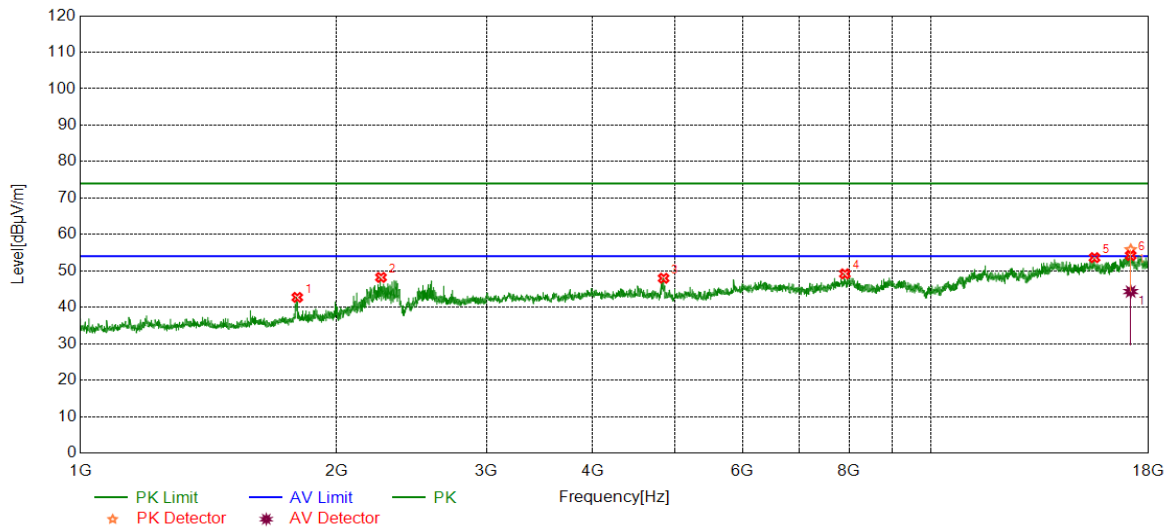


| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1400.1334  | 37.74    | 74.00        | -36.26        | --          | --           | Peak    |
| 2   | 1802.2674  | 40.79    | 74.00        | -33.21        | --          | --           | Peak    |
| 3   | 2588.5295  | 44.57    | 74.00        | -29.43        | --          | --           | Peak    |
| 4   | 8053.3422  | 49.06    | 74.00        | -24.94        | --          | --           | Peak    |
| 5   | 15237.0395 | 53.32    | 74.00        | -20.68        | --          | --           | Peak    |
| 6   | 17192.3654 | 55.07    | 74.00        | -18.93        | --          | --           | Peak    |
|     |            | 43.76    | --           | --            | 54.00       | -10.24       | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
 3. AVG: VBW=10Hz.  
 4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N40SISO | LCH     | Vertical     | PASS    |



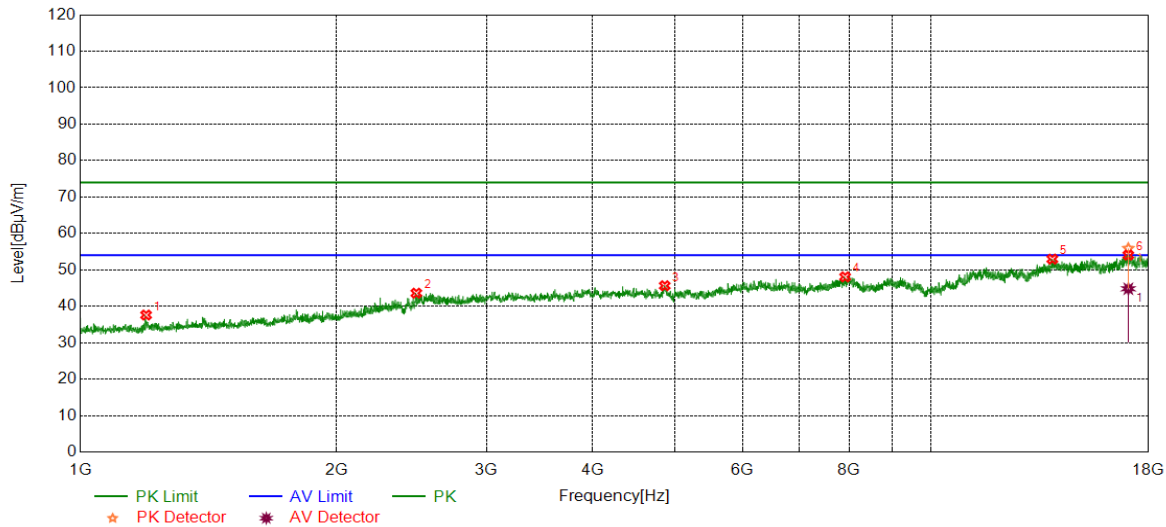
| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1798.2661  | 42.72    | 74.00        | -31.28        | --          | --           | Peak    |
| 2   | 2255.7519  | 48.20    | 74.00        | -25.80        | --          | --           | Peak    |
| 3   | 4845.3076  | 47.97    | 74.00        | -26.03        | --          | --           | Peak    |
| 4   | 7913.3189  | 49.19    | 74.00        | -24.81        | --          | --           | Peak    |
| 5   | 15549.5916 | 53.63    | 74.00        | -20.37        | --          | --           | Peak    |
| 6   | 17147.3579 | 55.84    | 74.00        | -18.16        | --          | --           | Peak    |
|     |            | 44.32    | --           | --            | 54.00       | -9.68        | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL)**

| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N40SISO | MCH     | Horizontal   | PASS    |

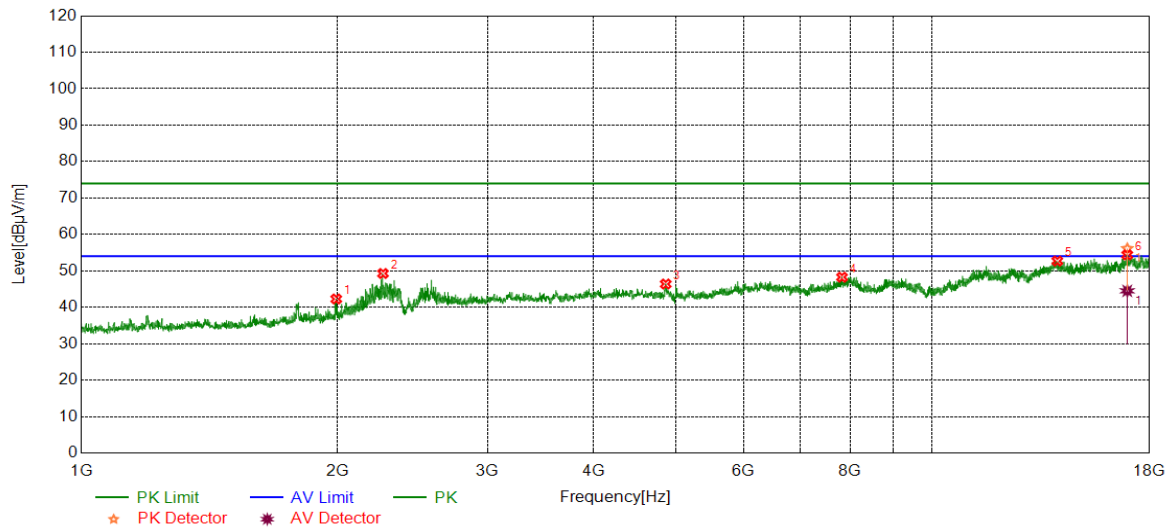


| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1194.7316  | 37.60    | 74.00        | -36.40        | --          | --           | Peak    |
| 2   | 2481.8273  | 43.61    | 74.00        | -30.39        | --          | --           | Peak    |
| 3   | 4860.3101  | 45.64    | 74.00        | -28.36        | --          | --           | Peak    |
| 4   | 7918.3197  | 48.07    | 74.00        | -25.93        | --          | --           | Peak    |
| 5   | 13871.8120 | 52.96    | 74.00        | -21.04        | --          | --           | Peak    |
| 6   | 17037.3396 | 55.91    | 74.00        | -18.09        | --          | --           | Peak    |
|     |            | 44.81    | --           | --            | 54.00       | -9.19        | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N40SISO | MCH     | Vertical     | PASS    |



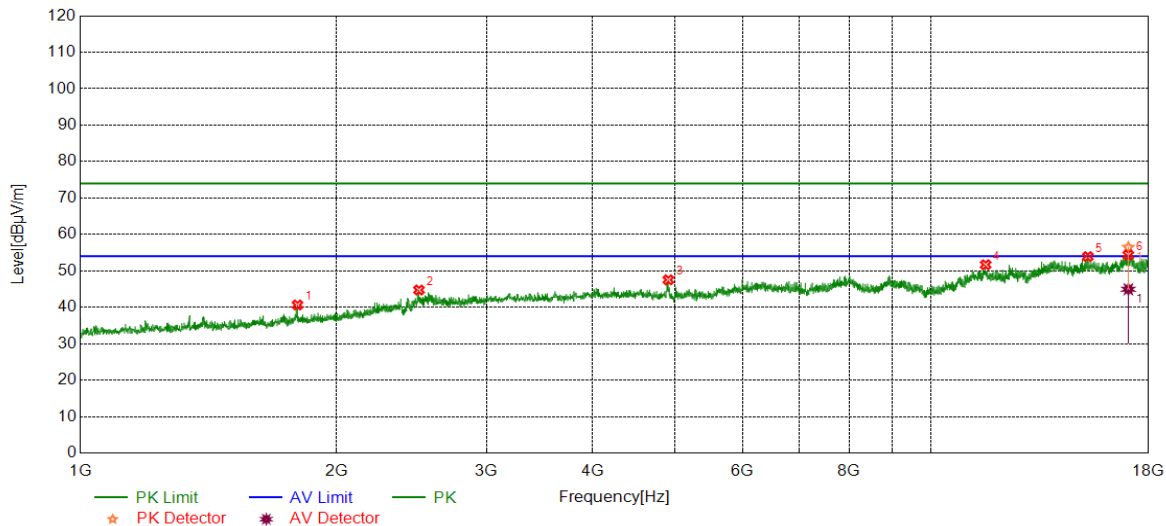
| No. | Frequency  | Result   | Limit<br>(Peak) | Margin<br>(Peak) | Limit<br>(Ave) | Margin<br>(Ave) | Remark  |
|-----|------------|----------|-----------------|------------------|----------------|-----------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)        | (dB)             | (dBuV/m)       | (dB)            |         |
| 1   | 1992.9977  | 42.28    | 74.00           | -31.72           | --             | --              | Peak    |
| 2   | 2261.7539  | 49.28    | 74.00           | -24.72           | --             | --              | Peak    |
| 3   | 4860.3101  | 46.39    | 74.00           | -27.61           | --             | --              | Peak    |
| 4   | 7830.8051  | 48.26    | 74.00           | -25.74           | --             | --              | Peak    |
| 5   | 14021.8370 | 52.69    | 74.00           | -21.31           | --             | --              | Peak    |
| 6   | 16942.3237 | 56.13    | 74.00           | -17.87           | --             | --              | Peak    |
|     |            | 44.51    | --              | --               | 54.00          | -9.49           | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



### HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL)

| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N40SISO | HCH     | Horizontal   | PASS    |

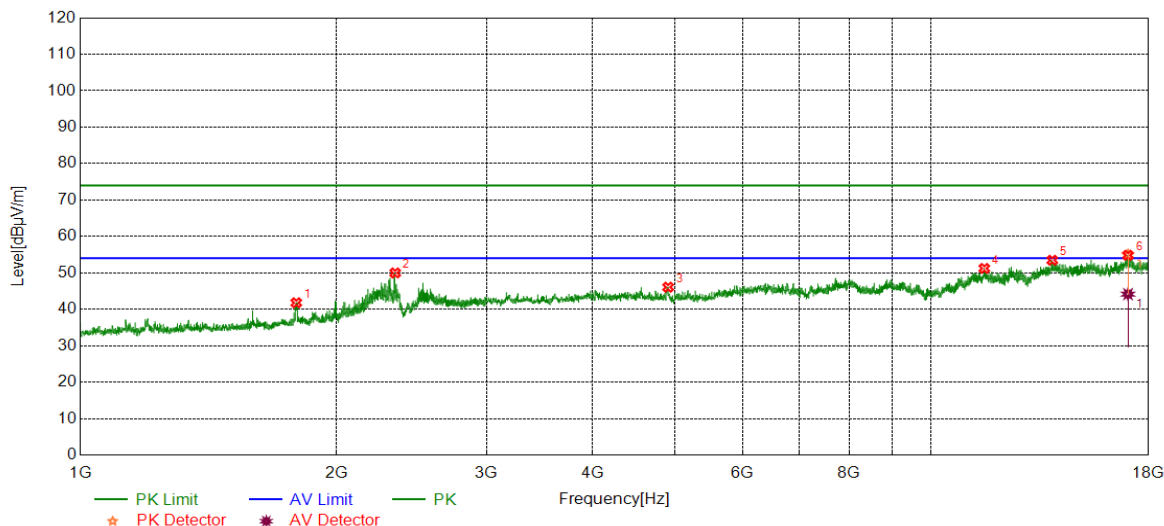


| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1799.5999  | 40.64    | 74.00        | -33.36        | --          | --           | Peak    |
| 2   | 2499.8333  | 44.75    | 74.00        | -29.25        | --          | --           | Peak    |
| 3   | 4907.8180  | 47.54    | 74.00        | -26.46        | --          | --           | Peak    |
| 4   | 11581.4302 | 51.68    | 74.00        | -22.32        | --          | --           | Peak    |
| 5   | 15272.0453 | 53.92    | 74.00        | -20.08        | --          | --           | Peak    |
| 6   | 17037.3396 | 56.47    | 74.00        | -17.53        | --          | --           | Peak    |
|     |            | 44.95    | --           | --            | 54.00       | -9.05        | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11N40SISO | HCH     | Vertical     | PASS    |



| No. | Frequency  | Result   | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark  |
|-----|------------|----------|--------------|---------------|-------------|--------------|---------|
|     | (MHz)      | (dBuV/m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |         |
| 1   | 1793.5979  | 41.80    | 74.00        | -32.20        | --          | --           | Peak    |
| 2   | 2343.7813  | 49.98    | 74.00        | -24.02        | --          | --           | Peak    |
| 3   | 4905.3176  | 46.07    | 74.00        | -27.93        | --          | --           | Peak    |
| 4   | 11538.9232 | 51.22    | 74.00        | -22.78        | --          | --           | Peak    |
| 5   | 13871.8120 | 53.47    | 74.00        | -20.53        | --          | --           | Peak    |
| 6   | 17022.3371 | 54.95    | 74.00        | -19.05        | --          | --           | Peak    |
|     |            | 44.16    | --           | --            | 54.00       | -9.84        | Average |

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. AVG: VBW=10Hz.  
4. Filter losses were only considered in then spurious frequency bands and the authorized Band was not corrected for BRF losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

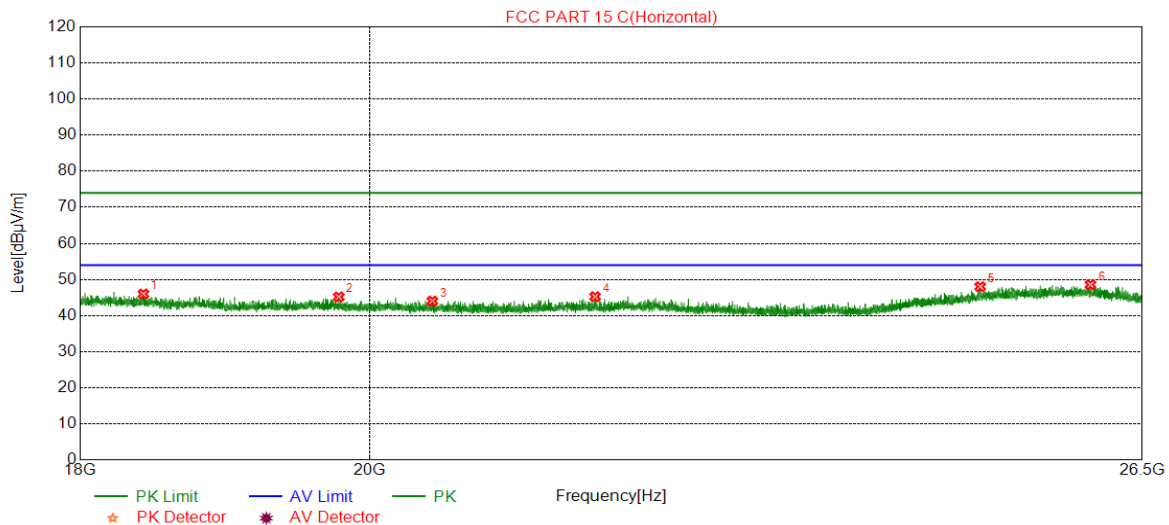


### 9.3. SPURIOUS EMISSIONS (18~25GHz)

#### 9.3.1. 802.11G MODE

##### SPURIOUS EMISSIONS (MID CHANNEL)

| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11G SISO  | MCH     | Horizontal   | PASS    |

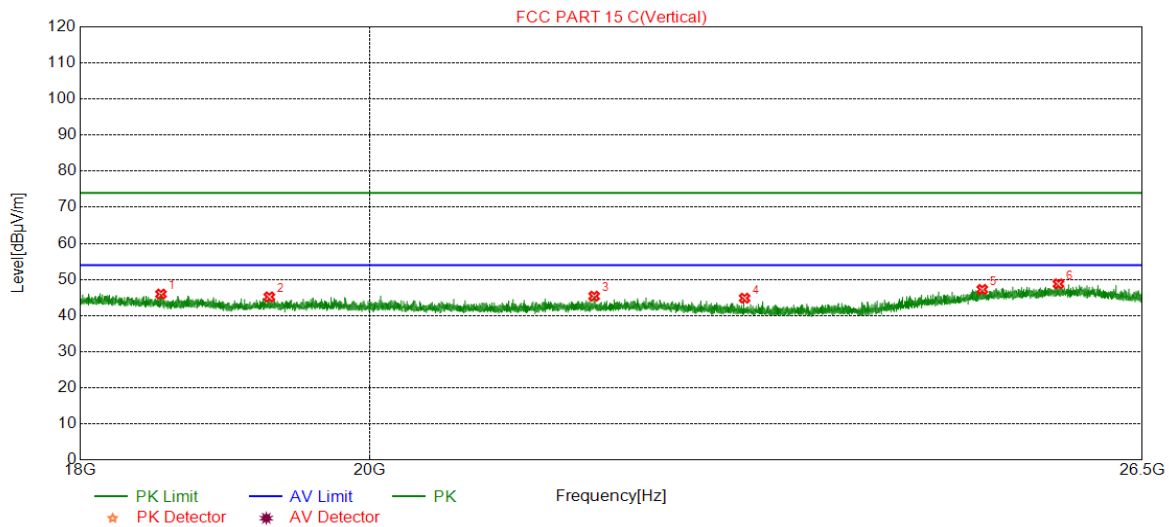


| No. | Frequency  | Result    | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark |
|-----|------------|-----------|--------------|---------------|-------------|--------------|--------|
|     | (MHz)      | (dBuV /m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |        |
| 1   | 18418.2418 | 45.98     | 74.00        | -28.02        | 54.00       | -8.02        | peak   |
| 2   | 19776.6777 | 45.16     | 74.00        | -28.84        | 54.00       | -8.84        | peak   |
| 3   | 20462.6963 | 44.02     | 74.00        | -29.98        | 54.00       | -9.98        | peak   |
| 4   | 21712.3212 | 45.24     | 74.00        | -28.76        | 54.00       | -8.76        | peak   |
| 5   | 24982.5983 | 48.01     | 74.00        | -25.99        | 54.00       | -5.99        | peak   |
| 6   | 26006.9507 | 48.54     | 74.00        | -25.46        | 54.00       | -5.46        | peak   |

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. Peak: Peak detector.  
4. Pre-testing all test modes and all test channels, but only data of the worst case is shown in this test report.



| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11G SISO  | MCH     | Vertical     | PASS    |



| No. | Frequency  | Result    | Limit (Peak) | Margin (Peak) | Limit (Ave) | Margin (Ave) | Remark |
|-----|------------|-----------|--------------|---------------|-------------|--------------|--------|
|     | (MHz)      | (dBuV /m) | (dBuV/m)     | (dB)          | (dBuV/m)    | (dB)         |        |
| 1   | 18536.4036 | 45.96     | 74.00        | -28.04        | 54.00       | -8.04        | peak   |
| 2   | 19282.7783 | 45.18     | 74.00        | -28.82        | 54.00       | -8.82        | peak   |
| 3   | 21704.6705 | 45.38     | 74.00        | -28.62        | 54.00       | -8.62        | peak   |
| 4   | 22927.9428 | 44.82     | 74.00        | -29.18        | 54.00       | -9.18        | peak   |
| 5   | 25001.3001 | 47.24     | 74.00        | -26.76        | 54.00       | -6.76        | peak   |
| 6   | 25705.1705 | 48.78     | 74.00        | -25.22        | 54.00       | -5.22        | peak   |

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
3. Peak: Peak detector.  
4. Pre-testing all test modes and all test channels, but only data of the worst case is shown in this test report.

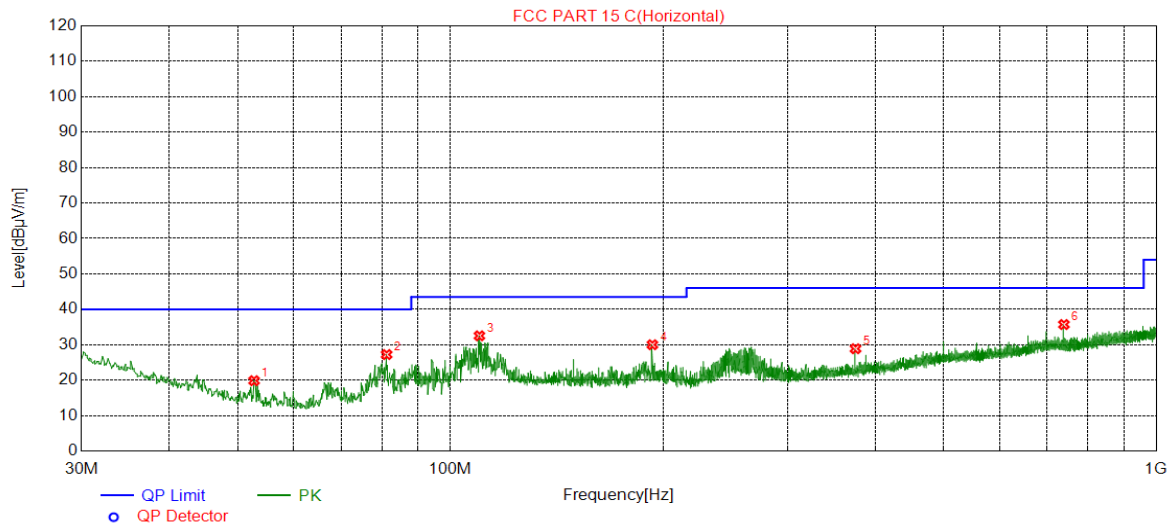


## 9.4. SPURIOUS EMISSIONS (0.03 ~ 1 GHz)

### 9.4.1. 802.11G MODE

#### SPURIOUS EMISSIONS (MIG CHANNEL, HORIZONTAL)

| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11G SISO  | MCH     | Horizontal   | PASS    |

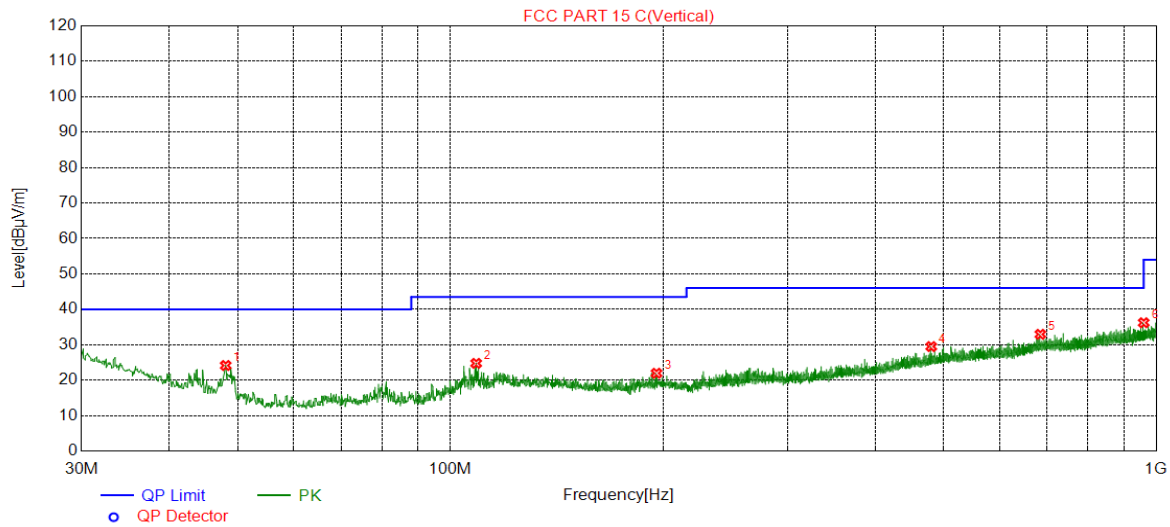


| No. | Frequency<br>(MHz) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|--------------------|-------------------|----------------|--------|
| 1   | 52.7003            | 19.85              | 40.00             | -20.15         | QP     |
| 2   | 81.2211            | 27.23              | 40.00             | -12.77         | QP     |
| 3   | 109.9360           | 32.52              | 43.50             | -10.98         | QP     |
| 4   | 193.2673           | 30.00              | 43.50             | -13.50         | QP     |
| 5   | 374.9665           | 28.87              | 46.00             | -17.13         | QP     |
| 6   | 740.0140           | 35.70              | 46.00             | -10.30         | QP     |

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.  
2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.  
3. Pre-testing all test modes and all test channels, but only data of the worst case is shown in this test report.



| Test Mode | Channel | Polarization | Verdict |
|-----------|---------|--------------|---------|
| 11G SISO  | MCH     | Vertical     | PASS    |



| No. | Frequency<br>(MHz) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|--------------------|-------------------|----------------|--------|
| 1   | 48.0438            | 24.14              | 40.00             | -15.86         | QP     |
| 2   | 108.7719           | 24.75              | 43.50             | -18.75         | QP     |
| 3   | 195.8866           | 21.96              | 43.50             | -21.54         | QP     |
| 4   | 480.0280           | 29.48              | 46.00             | -16.52         | QP     |
| 5   | 685.2035           | 32.95              | 46.00             | -13.05         | QP     |
| 6   | 960.0320           | 36.21              | 54.00             | -17.79         | QP     |

- Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.  
2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.  
3. Pre-testing all test modes and all test channels, but only data of the worst case is shown in this test report.

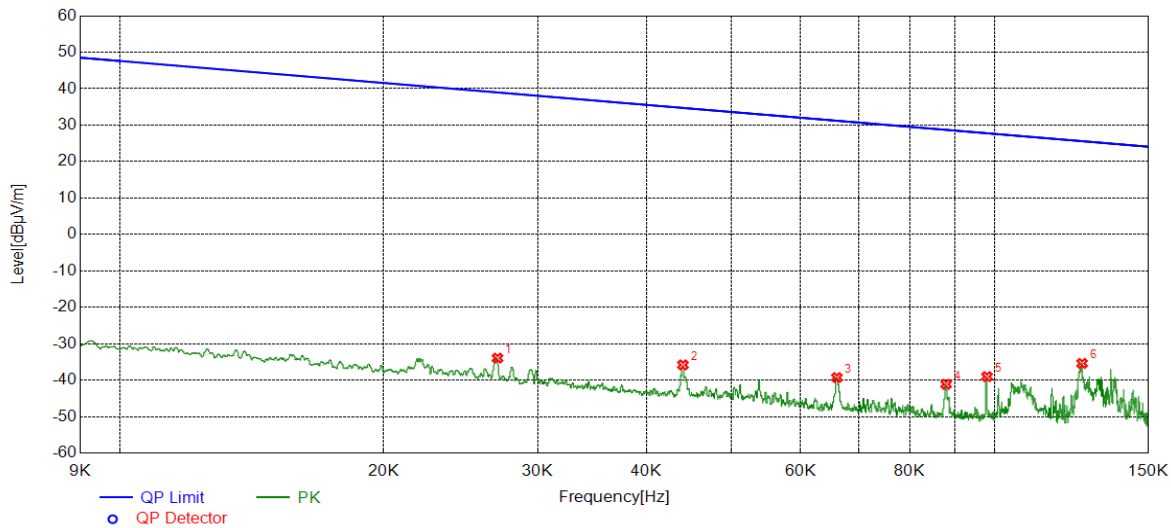


## 9.5. SPURIOUS EMISSIONS BELOW 30M

### 9.5.1. 802.11G MODE

#### SPURIOUS EMISSIONS (MID CHANNEL)

| Test Mode | Channel | Frequency Range | Verdict |
|-----------|---------|-----------------|---------|
| 11G SISO  | MCH     | 9KHz~150KHz     | PASS    |



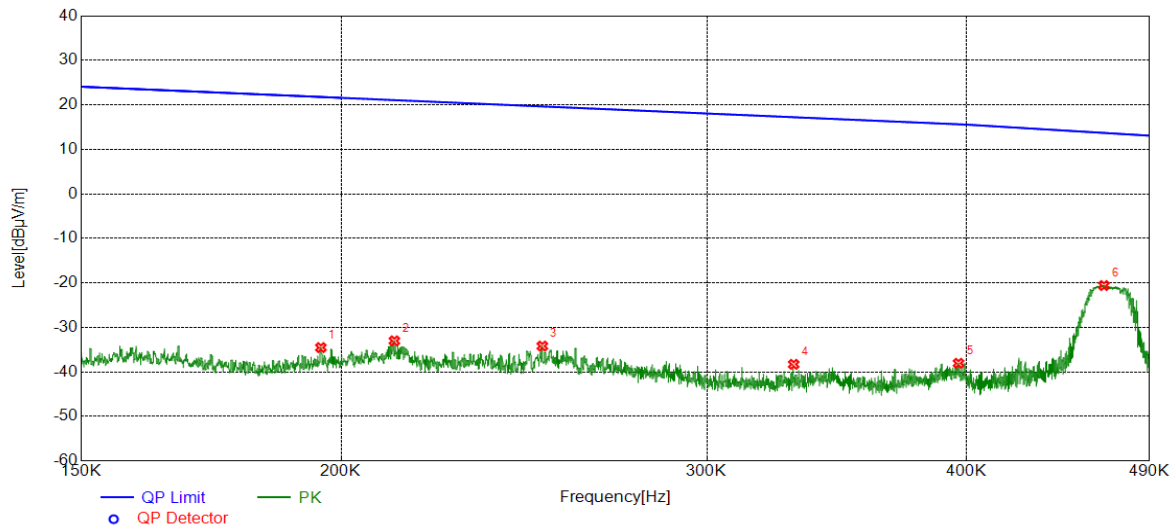
| No. | Frequency<br>(MHz) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|--------------------|-------------------|----------------|--------|
| 1   | 0.0270             | -33.95             | 38.99             | -72.94         | Peak   |
| 2   | 0.0440             | -35.81             | 34.73             | -70.54         | Peak   |
| 3   | 0.0660             | -39.29             | 31.21             | -70.50         | Peak   |
| 4   | 0.0880             | -41.11             | 28.72             | -69.83         | Peak   |
| 5   | 0.0980             | -39.02             | 27.78             | -66.80         | Peak   |
| 6   | 0.1259             | -35.40             | 25.61             | -61.01         | Peak   |

Note:

1. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
2. Pre-testing all test modes and all test channels, but only data of the worst case is shown in this test report.



| Test Mode | Channel | Frequency Range | Verdict |
|-----------|---------|-----------------|---------|
| 11G SISO  | MCH     | 150KHz~490KHz   | PASS    |



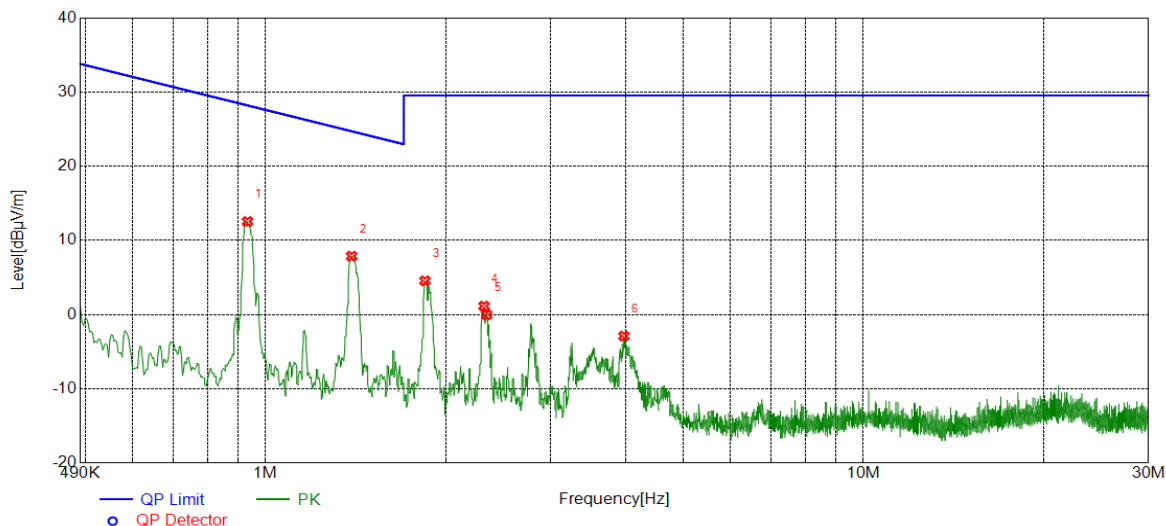
| No. | Frequency<br>(MHz) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|--------------------|-------------------|----------------|--------|
| 1   | 0.1956             | -34.53             | 21.77             | -56.30         | Peak   |
| 2   | 0.2122             | -33.02             | 21.07             | -54.09         | Peak   |
| 3   | 0.2500             | -34.20             | 19.64             | -53.84         | Peak   |
| 4   | 0.3303             | -38.29             | 17.23             | -55.52         | Peak   |
| 5   | 0.3965             | -38.06             | 15.64             | -53.70         | Peak   |
| 6   | 0.4658             | -20.59             | 13.70             | -34.29         | Peak   |

Note:

1. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
2. Pre-testing all test modes and all test channels, but only data of the worst case is shown in this test report.



| Test Mode | Channel | Frequency Range | Verdict |
|-----------|---------|-----------------|---------|
| 11G SISO  | MCH     | 490KHz~30MHz    | PASS    |



| No. | Frequency<br>(MHz) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|--------------------|-------------------|----------------|--------|
| 1   | 0.9327             | 12.54              | 28.21             | -15.67         | Peak   |
| 2   | 1.3931             | 7.87               | 24.72             | -16.85         | Peak   |
| 3   | 1.8476             | 4.55               | 29.54             | -24.99         | Peak   |
| 4   | 2.3198             | 1.14               | 29.54             | -28.40         | Peak   |
| 5   | 2.3434             | -0.04              | 29.54             | -29.58         | Peak   |
| 6   | 3.9755             | -2.90              | 29.54             | -32.44         | Peak   |

Note:

1. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
2. Pre-testing all test modes and all test channels, but only data of the worst case is shown in this test report.

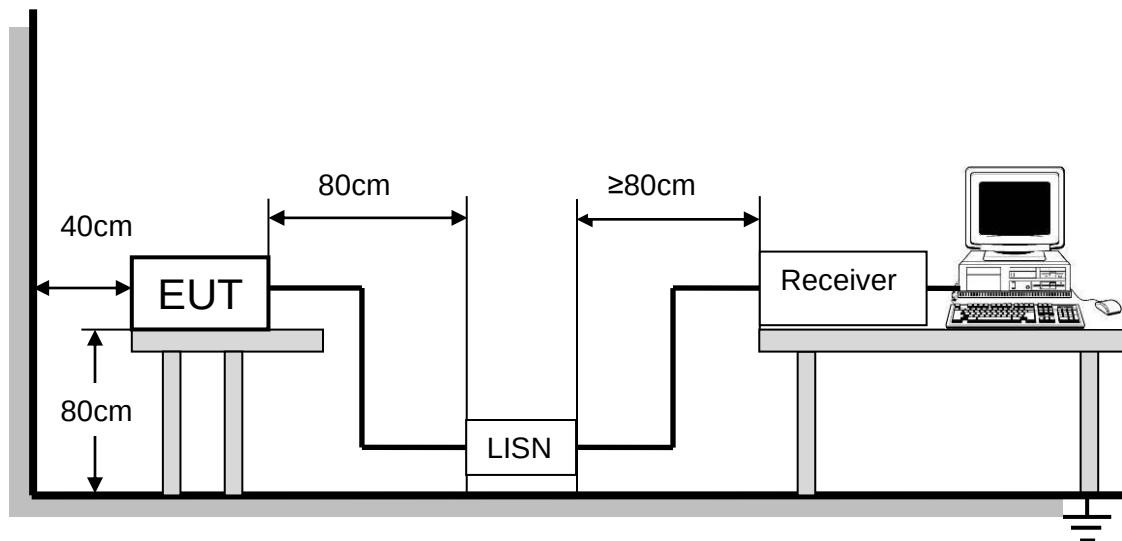
## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

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

| FREQUENCY (MHz) | Class B (dBuV) |           |
|-----------------|----------------|-----------|
|                 | 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



The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm 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) used to test the emissions from both sides of AC line. According to the requirements in Section 7 and 13 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

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 | 25°C | Relative Humidity | 58% |
|-------------|------|-------------------|-----|

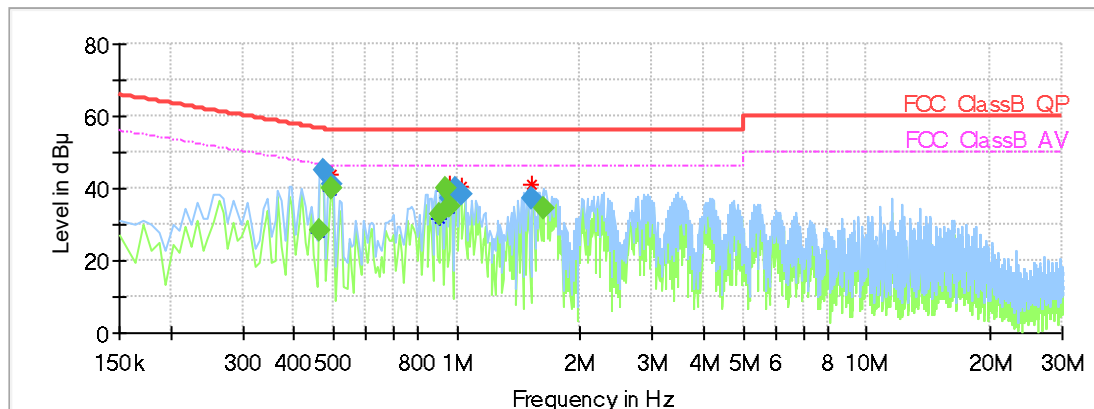


|                     |        |              |         |
|---------------------|--------|--------------|---------|
| Atmosphere Pressure | 101kPa | Test Voltage | AC 120V |
|---------------------|--------|--------------|---------|

## TEST RESULTS

### LINE N TEST RESULTS (WORST-CASE CONFIGURATION)

|            |     |        |      |
|------------|-----|--------|------|
| 11G20 SISO | MCH | <Limit | PASS |
|------------|-----|--------|------|



## Final Result

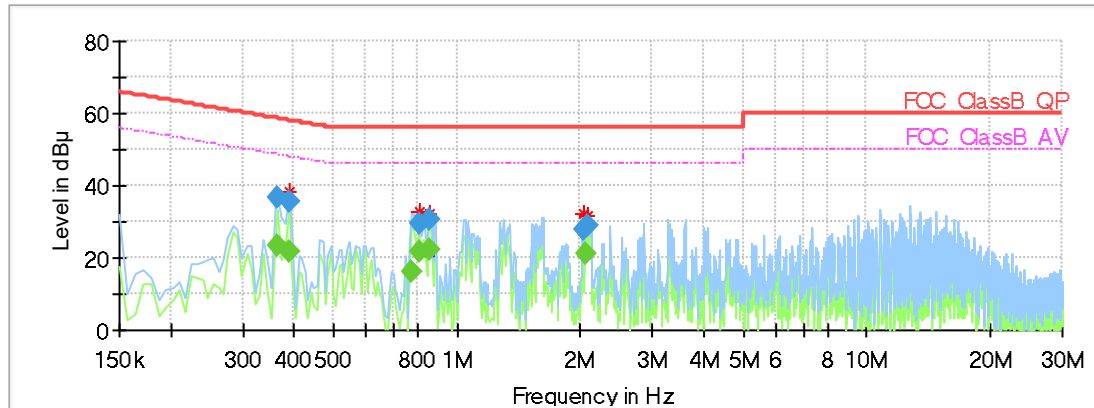
| Frequency (MHz) | QuasiPeak (dB $\mu$ V) | Average (dB $\mu$ V) | Limit (dB $\mu$ V) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Filter | Corr. (dB) |
|-----------------|------------------------|----------------------|--------------------|-------------|-----------------|-----------------|------|--------|------------|
| 0.463425        | ---                    | 28.44                | 46.63              | 18.20       | 1000.0          | 9.000           | N    | OFF    | 9.6        |
| 0.470888        | 45.00                  | ---                  | 56.50              | 11.50       | 1000.0          | 9.000           | N    | OFF    | 9.6        |
| 0.493275        | ---                    | 39.83                | 46.11              | 6.28        | 1000.0          | 9.000           | N    | OFF    | 9.6        |
| 0.493275        | 41.30                  | ---                  | 56.11              | 14.82       | 1000.0          | 9.000           | N    | OFF    | 9.6        |
| 0.911175        | ---                    | 32.65                | 46.00              | 13.35       | 1000.0          | 9.000           | N    | OFF    | 9.6        |
| 0.941025        | ---                    | 39.75                | 46.00              | 6.25        | 1000.0          | 9.000           | N    | OFF    | 9.6        |
| 0.963413        | 37.05                  | ---                  | 56.00              | 18.95       | 1000.0          | 9.000           | N    | OFF    | 9.6        |
| 0.963413        | ---                    | 35.10                | 46.00              | 10.90       | 1000.0          | 9.000           | N    | OFF    | 9.6        |
| 0.993263        | 40.18                  | ---                  | 56.00              | 15.82       | 1000.0          | 9.000           | N    | OFF    | 9.6        |
| 1.023113        | 38.52                  | ---                  | 56.00              | 17.48       | 1000.0          | 9.000           | N    | OFF    | 9.6        |
| 1.530563        | 37.30                  | ---                  | 56.00              | 18.70       | 1000.0          | 9.000           | N    | OFF    | 9.6        |
| 1.620113        | ---                    | 34.39                | 46.00              | 11.61       | 1000.0          | 9.000           | N    | OFF    | 9.7        |

(continuation of the "Final\_Result" table from column 15 ...)



**LINE L TEST RESULTS (WORST-CASE CONFIGURATION)**

|            |     |        |      |
|------------|-----|--------|------|
| 11G20 SISO | MCH | <Limit | PASS |
|------------|-----|--------|------|



**Final Result**

| Frequency (MHz) | QuasiPeak (dB $\mu$ V) | Average (dB $\mu$ V) | Limit (dB $\mu$ V) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Filter | Corr. (dB) |
|-----------------|------------------------|----------------------|--------------------|-------------|-----------------|-----------------|------|--------|------------|
| 0.366413        | ---                    | 23.12                | 48.58              | 25.46       | 1000.0          | 9.000           | L1   | OFF    | 9.6        |
| 0.366413        | 36.58                  | ---                  | 58.58              | 22.00       | 1000.0          | 9.000           | L1   | OFF    | 9.6        |
| 0.388800        | ---                    | 21.75                | 48.09              | 26.34       | 1000.0          | 9.000           | L1   | OFF    | 9.6        |
| 0.388800        | 35.62                  | ---                  | 58.09              | 22.47       | 1000.0          | 9.000           | L1   | OFF    | 9.6        |
| 0.776850        | ---                    | 16.09                | 46.00              | 29.91       | 1000.0          | 9.000           | L1   | OFF    | 9.6        |
| 0.806700        | 29.72                  | ---                  | 56.00              | 26.28       | 1000.0          | 9.000           | L1   | OFF    | 9.6        |
| 0.806700        | ---                    | 21.47                | 46.00              | 24.53       | 1000.0          | 9.000           | L1   | OFF    | 9.6        |
| 0.858938        | ---                    | 21.96                | 46.00              | 24.04       | 1000.0          | 9.000           | L1   | OFF    | 9.6        |
| 0.858938        | 30.45                  | ---                  | 56.00              | 25.55       | 1000.0          | 9.000           | L1   | OFF    | 9.6        |
| 2.030550        | 28.01                  | ---                  | 56.00              | 27.99       | 1000.0          | 9.000           | L1   | OFF    | 9.7        |
| 2.060400        | ---                    | 21.03                | 46.00              | 24.97       | 1000.0          | 9.000           | L1   | OFF    | 9.7        |
| 2.082788        | 28.90                  | ---                  | 56.00              | 27.10       | 1000.0          | 9.000           | L1   | OFF    | 9.7        |

(continuation of the "Final\_Result" table from column 15 ...)

- 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: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.  
5. Pre-testing all test modes and all test channels, but only data of the worst case is shown in this test report.



## 11. 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.

### ANTENNA CONNECTOR

EUT has an Internal Antenna

### ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi.

**END OF REPORT**