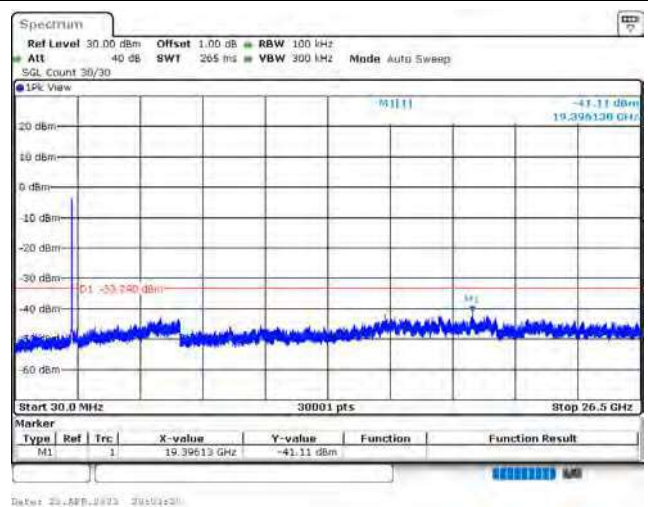
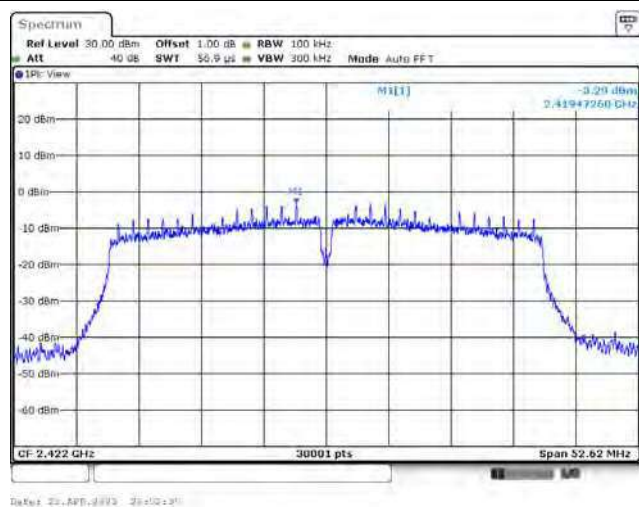
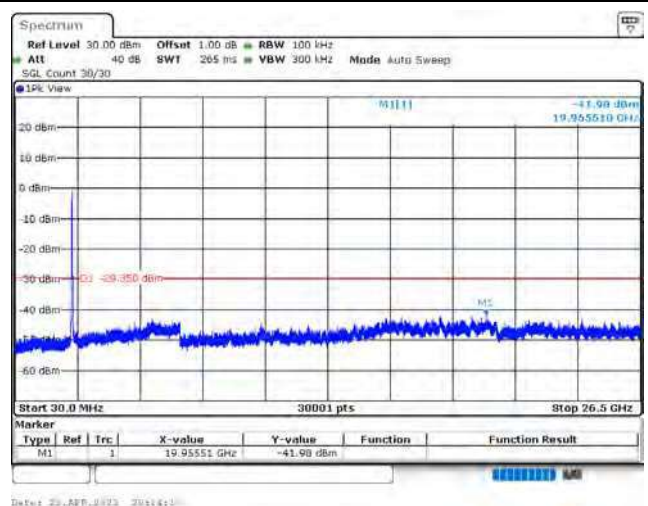
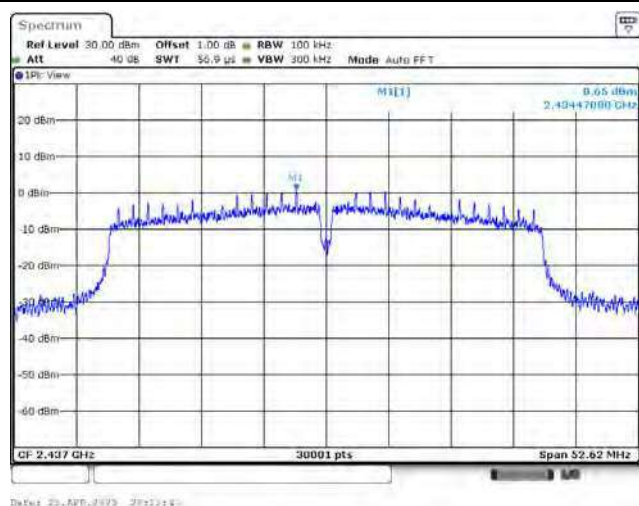


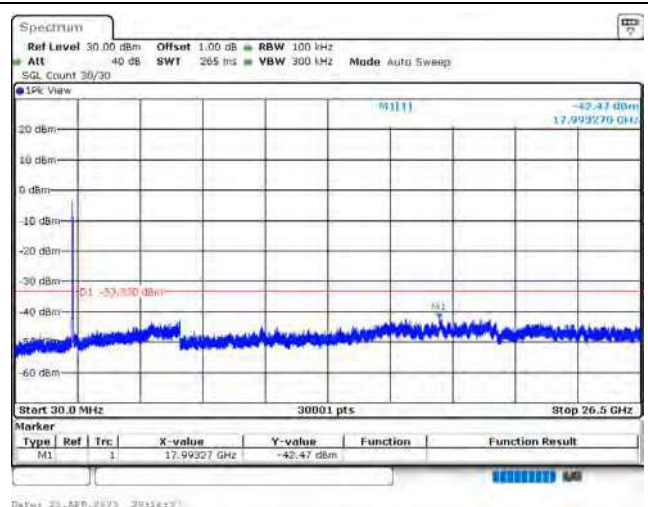
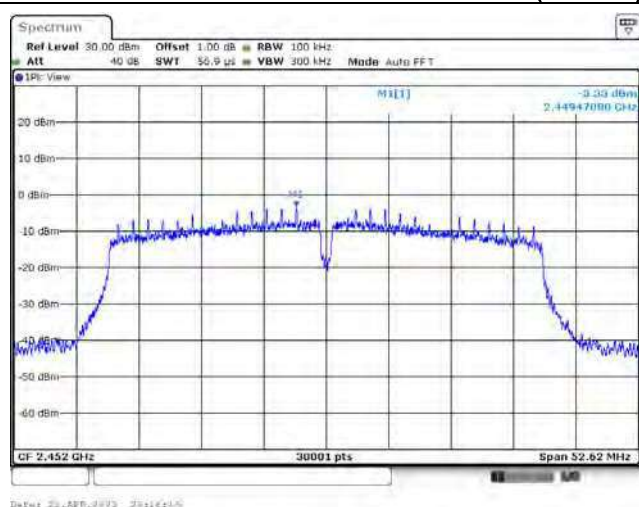
## 802.11n (40 MHz) / Ant. 0 / 2422 MHz



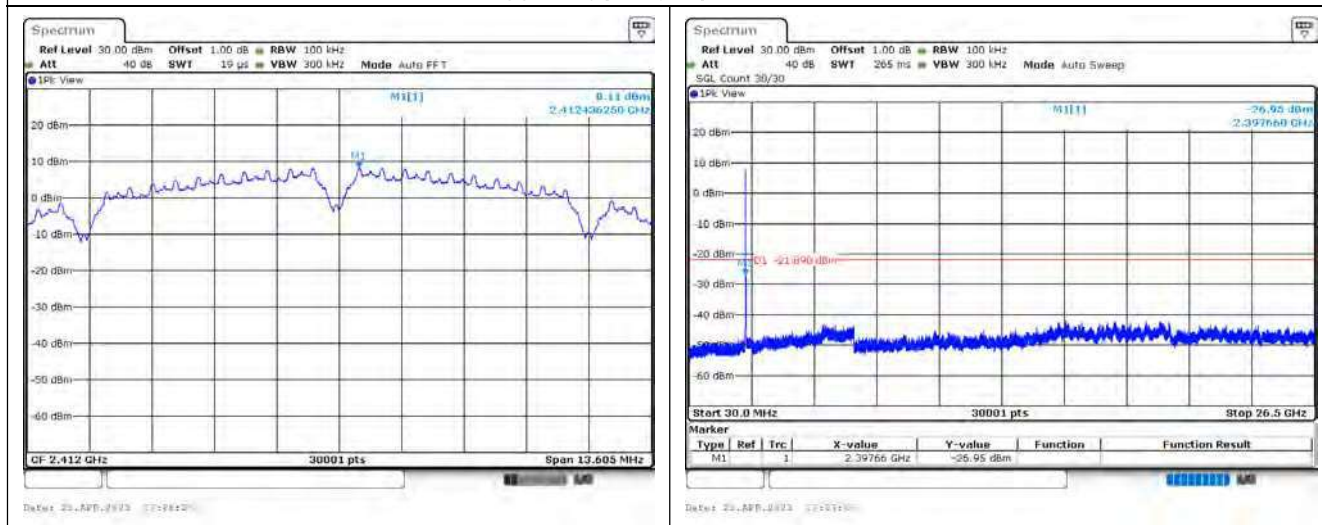
## 802.11n (40 MHz) / Ant. 0 / 2437 MHz



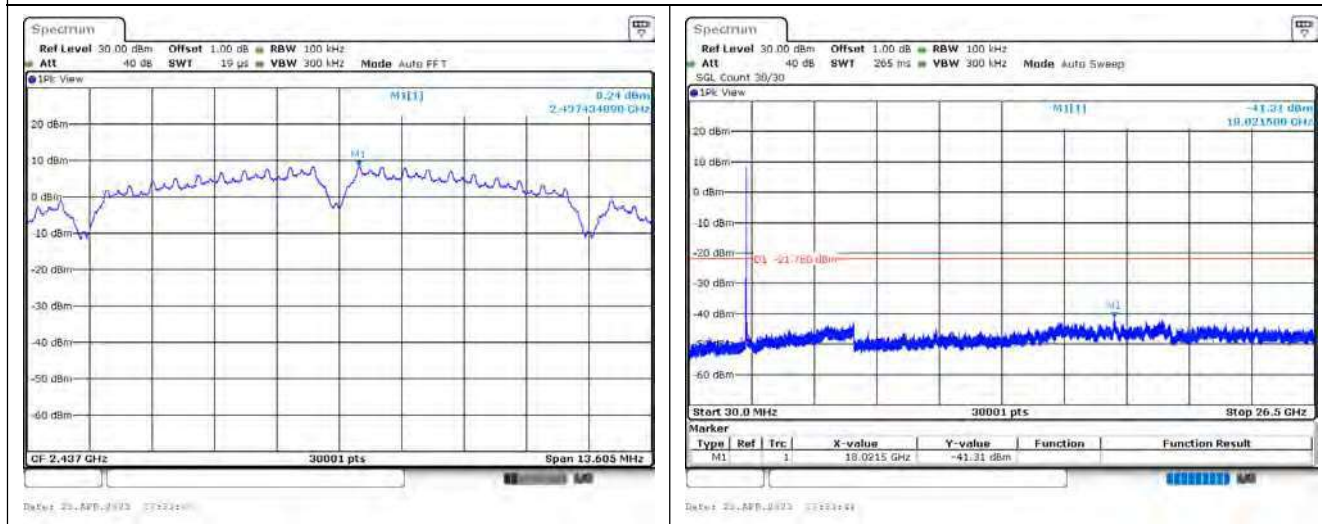
## 802.11n (40 MHz) / Ant. 0 / 2452 MHz



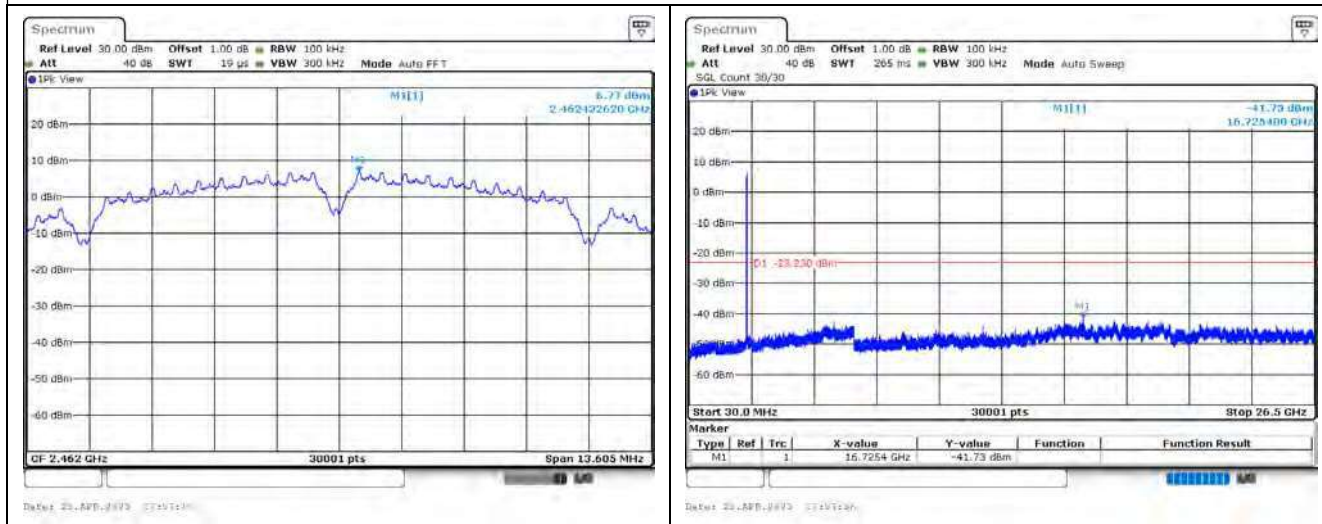
## 802.11b / Ant. 1 / 2412 MHz



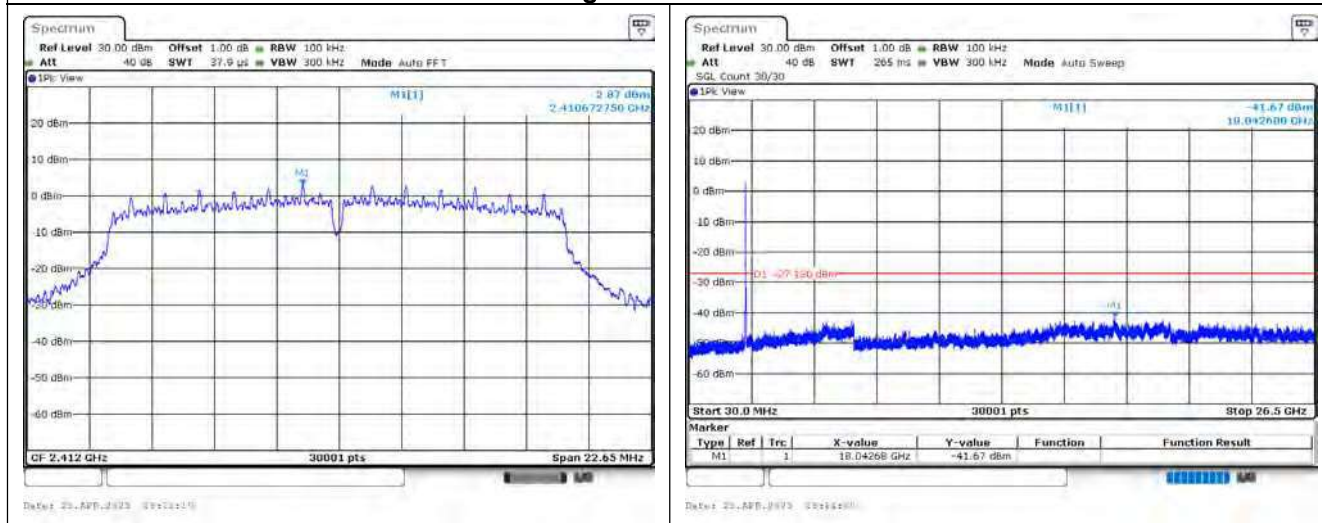
## 802.11b / Ant. 1 / 2437 MHz



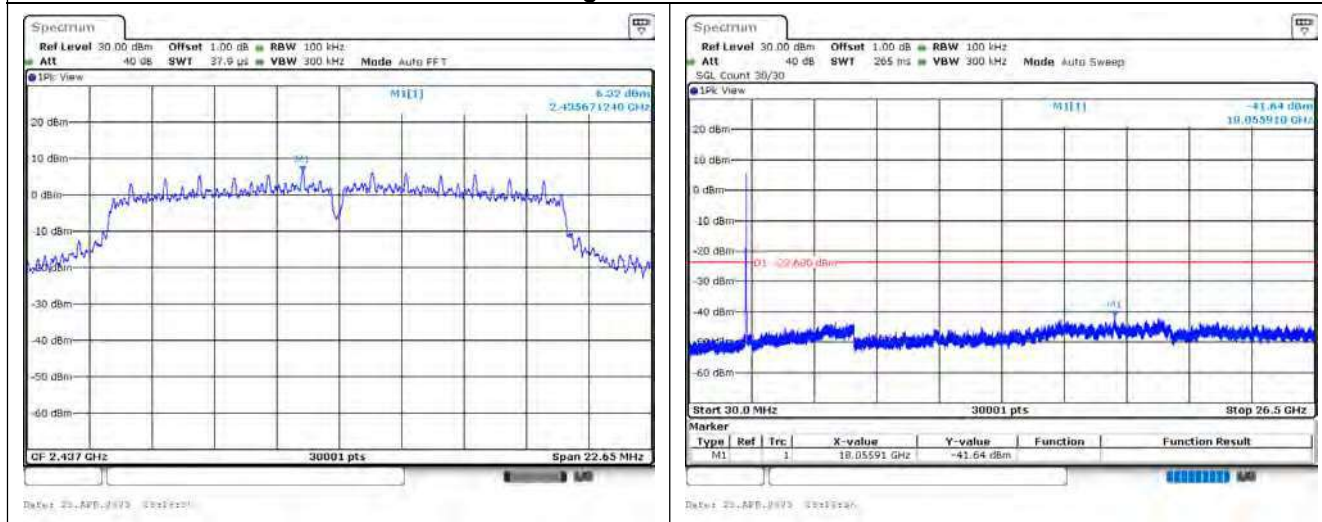
## 802.11b / Ant. 1 / 2462 MHz



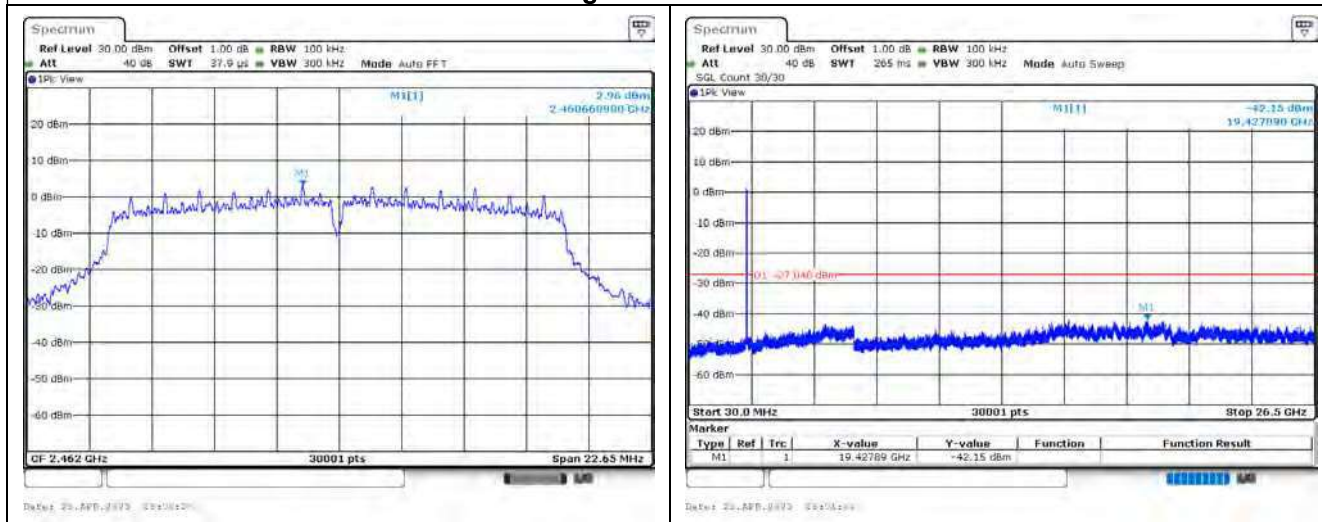
## 802.11g / Ant. 1 / 2412 MHz



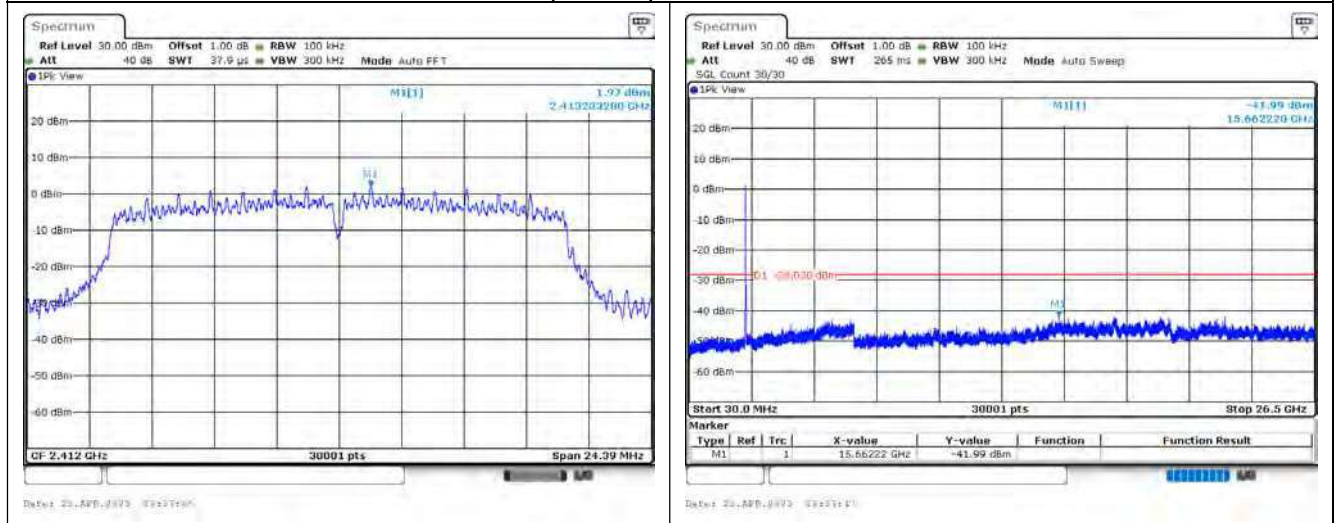
## 802.11g / Ant. 1 / 2437 MHz



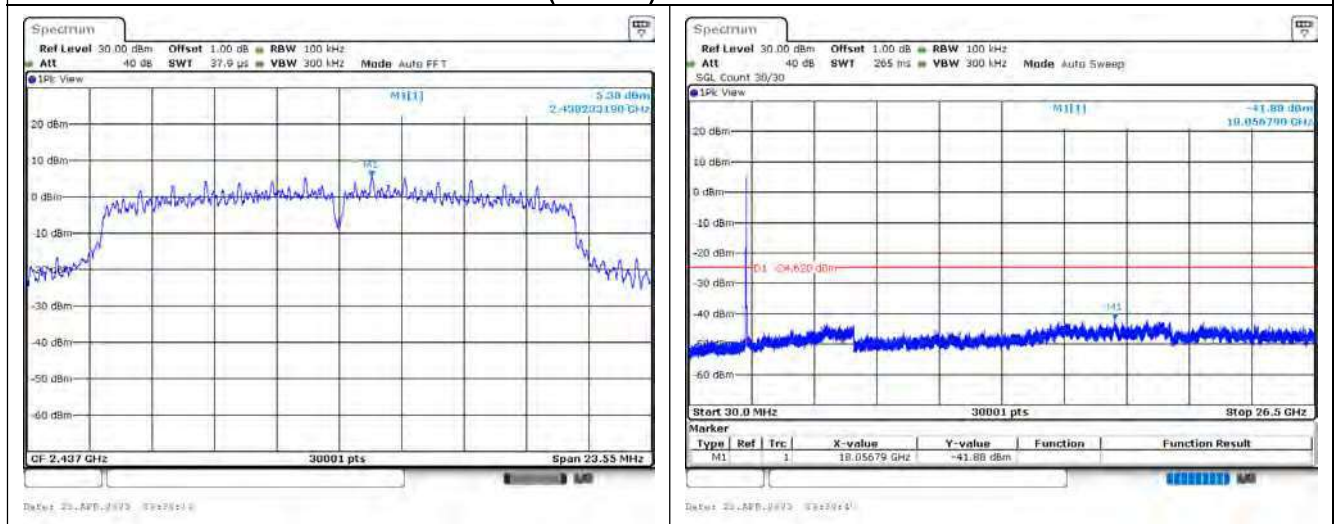
## 802.11g / Ant. 1 / 2462 MHz



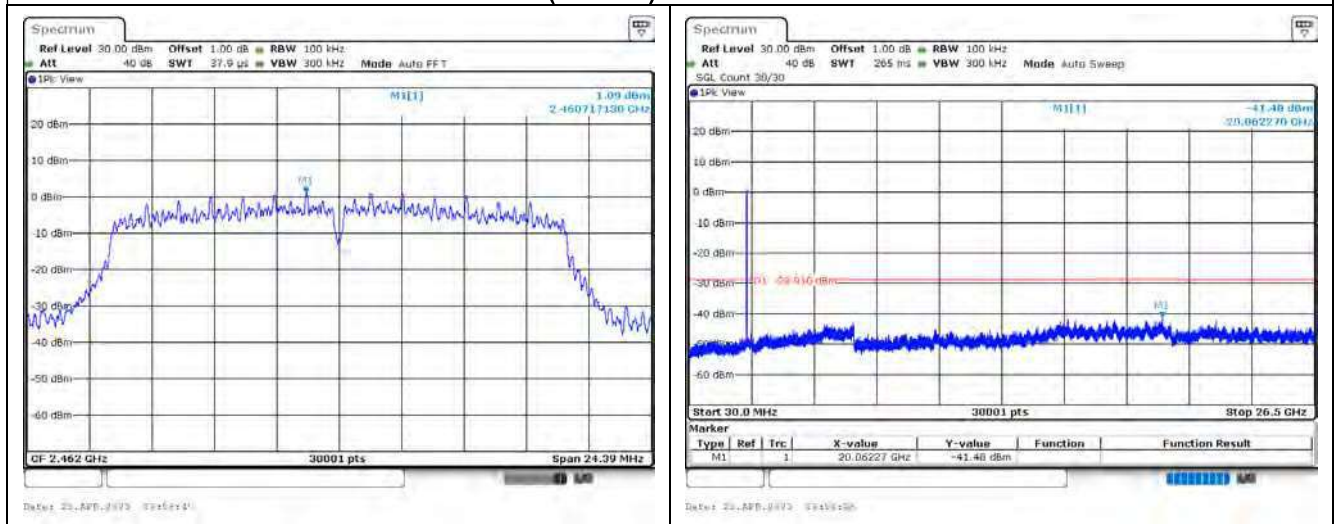
## 802.11n (20 MHz) / Ant. 1 / 2412 MHz



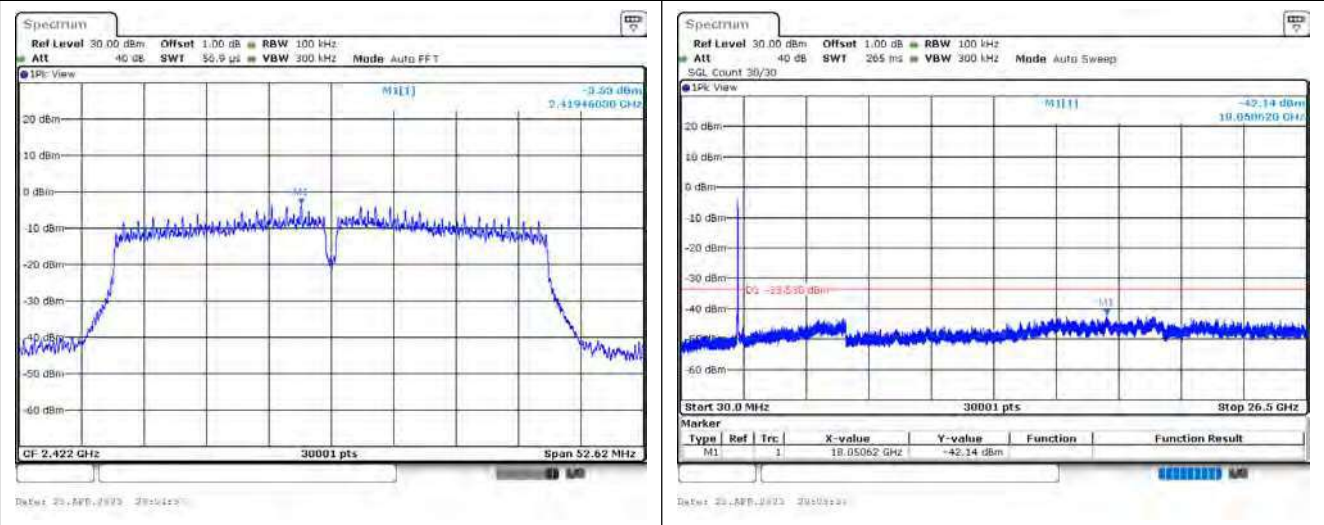
## 802.11n (20 MHz) / Ant. 1 / 2437 MHz



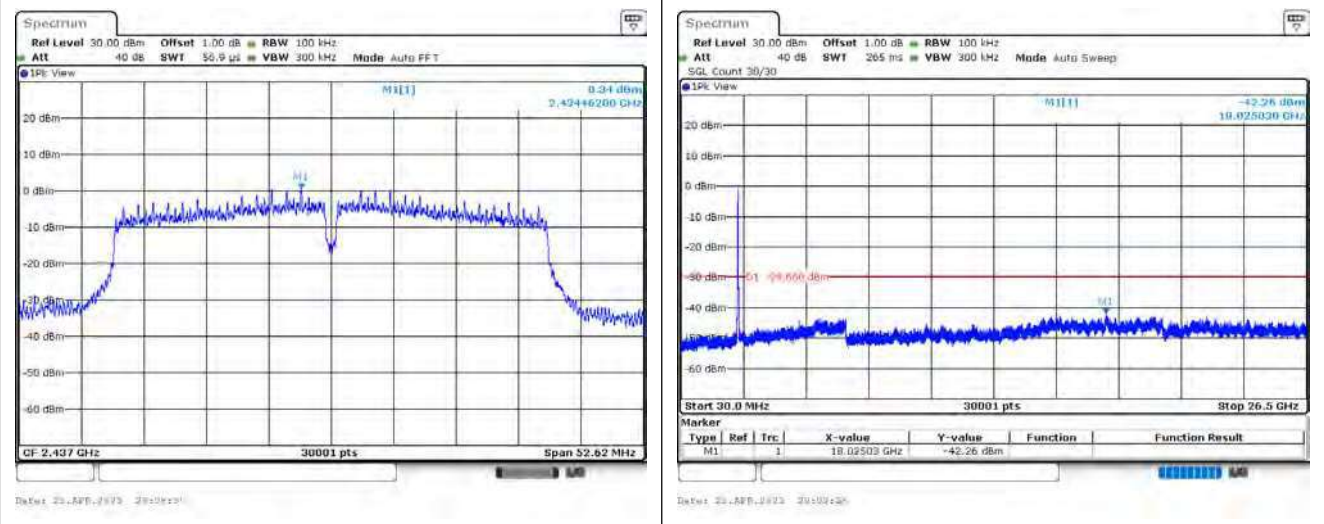
## 802.11n (20 MHz) / Ant. 1 / 2462 MHz



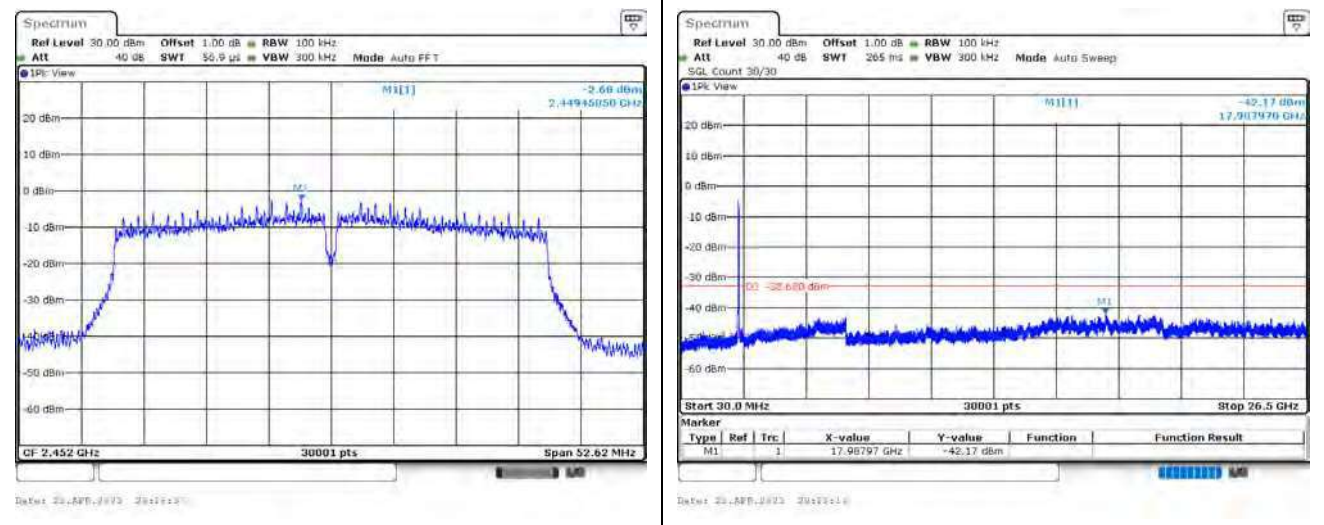
802.11n (40 MHz) / Ant. 1 / 2422 MHz

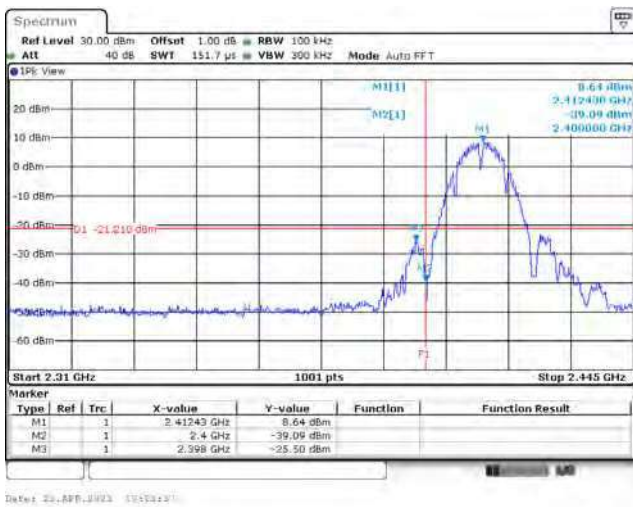
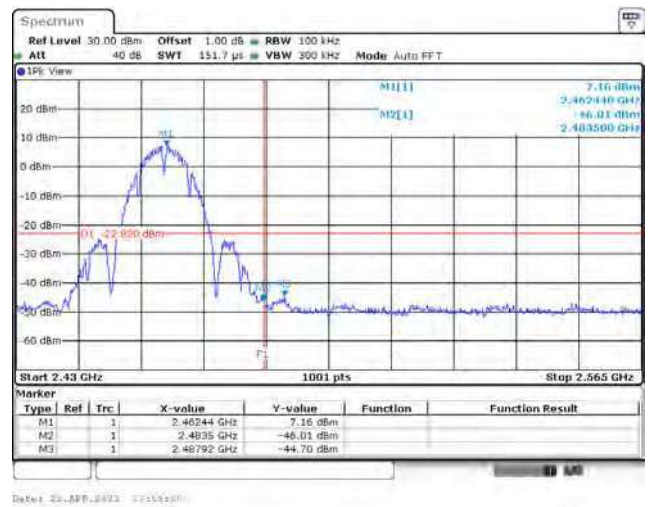
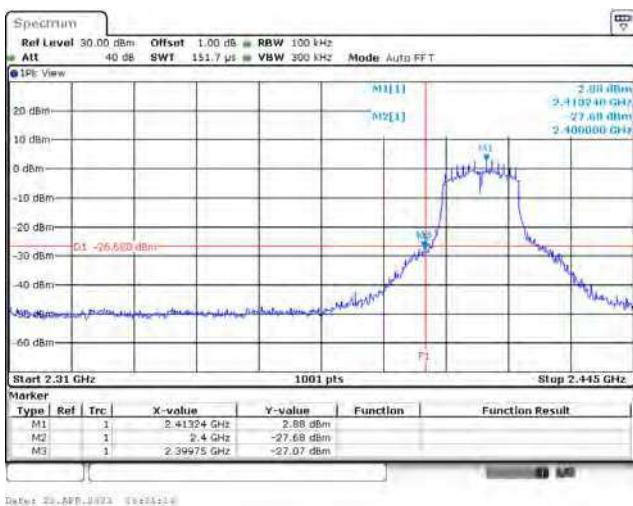
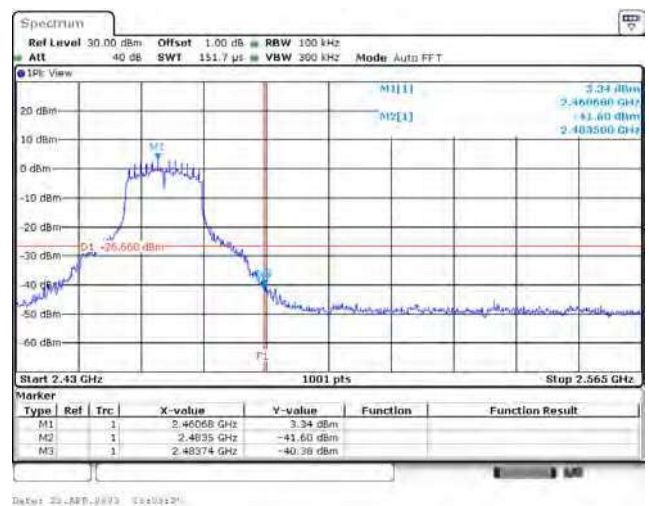
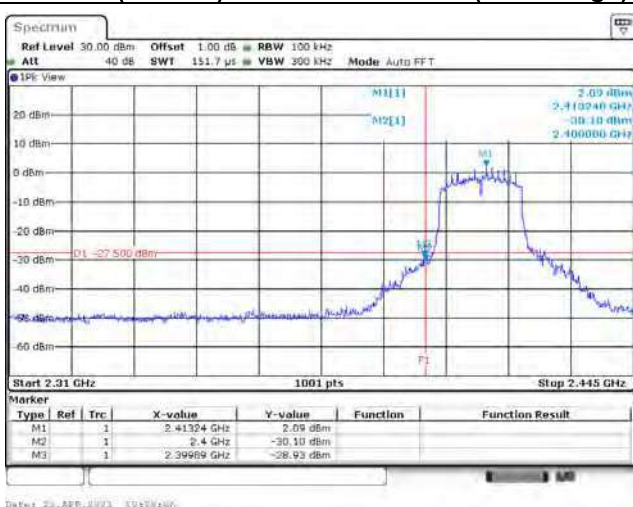
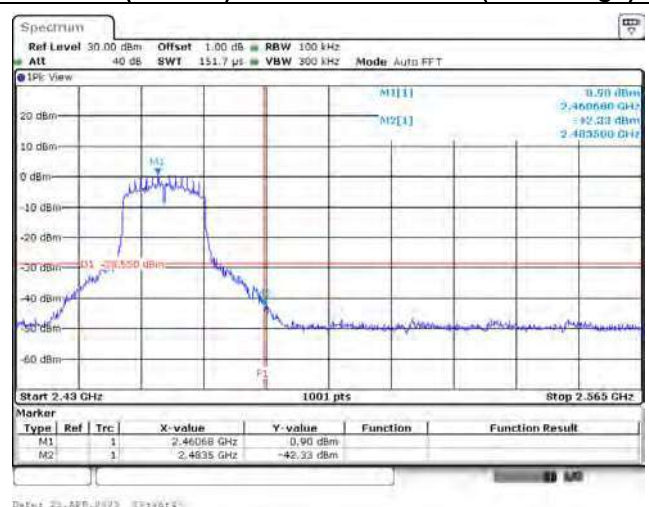


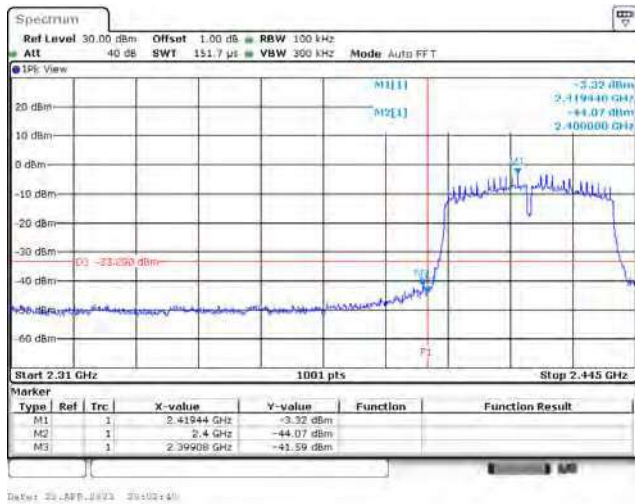
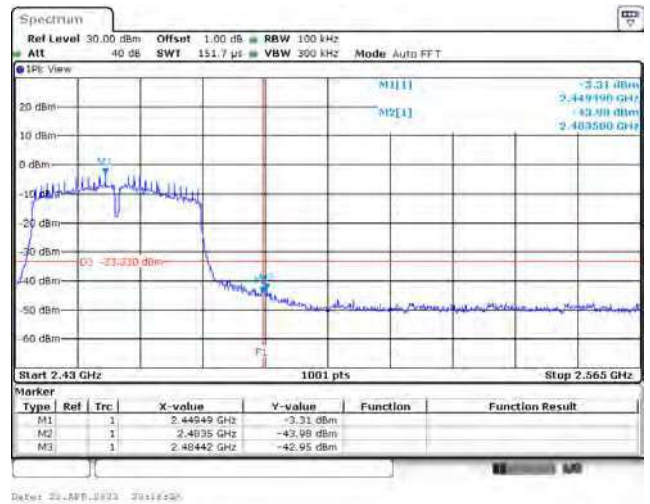
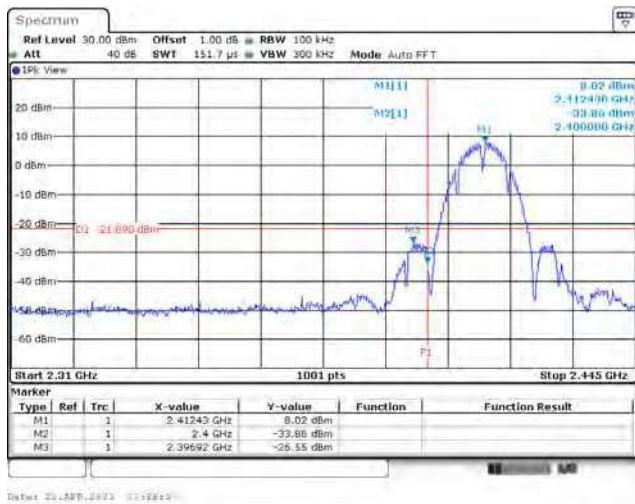
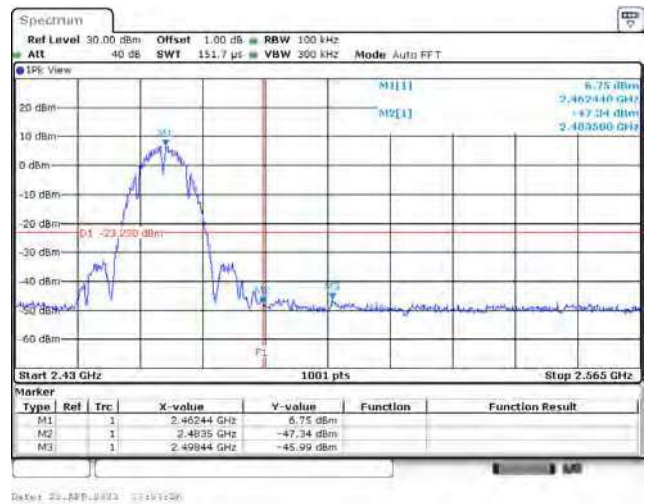
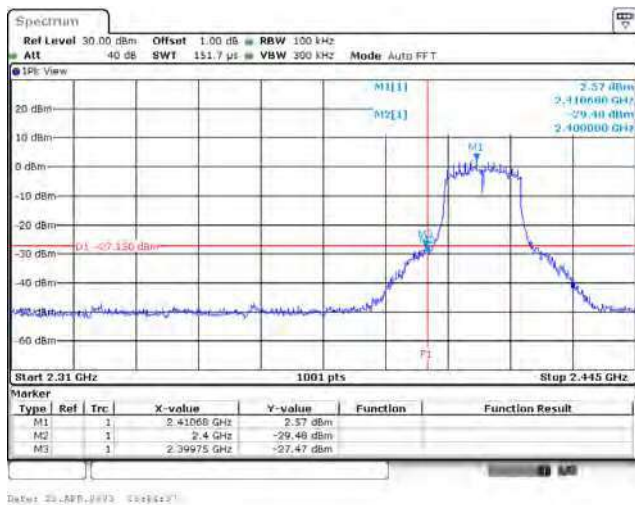
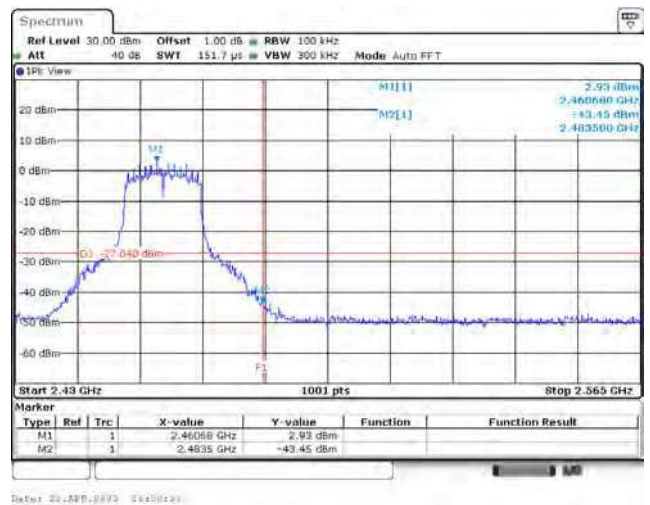
802.11n (40 MHz) / Ant. 1 / 2437 MHz

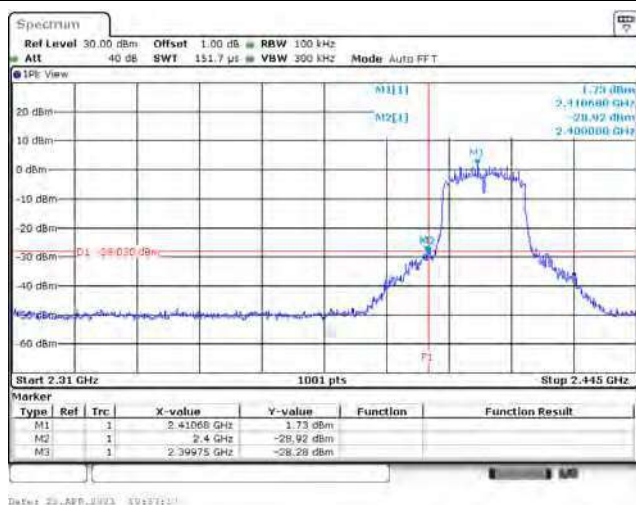
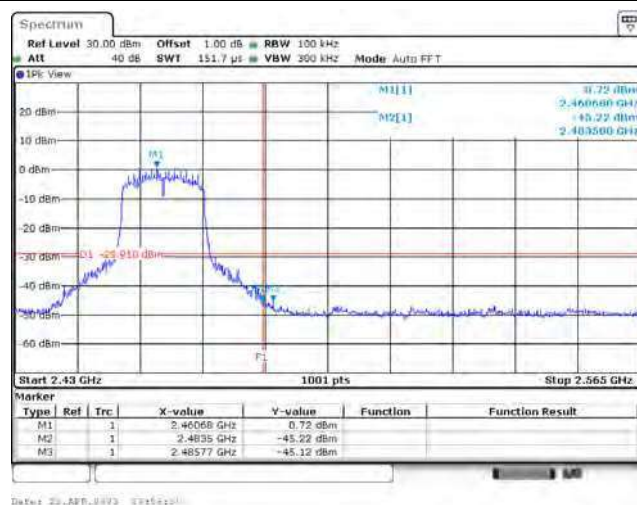
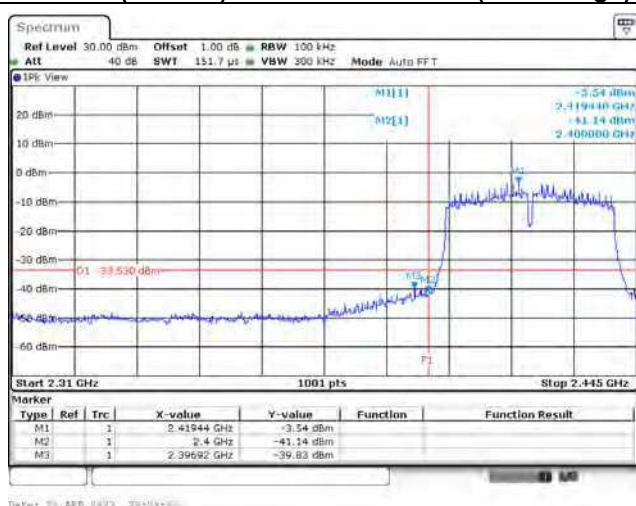
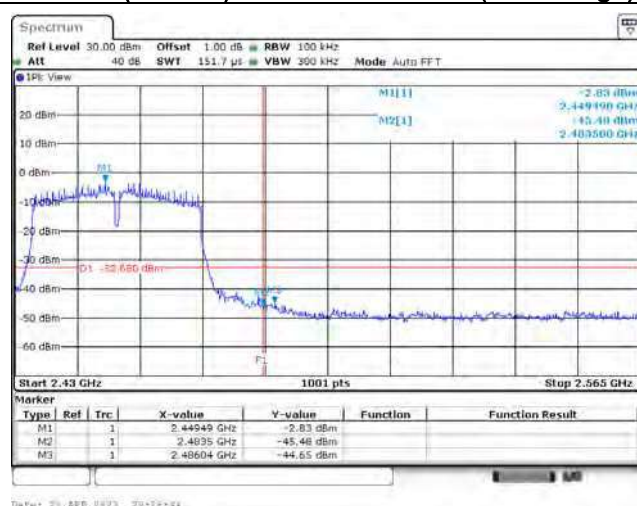


802.11n (40 MHz) / Ant. 1 / 2452 MHz



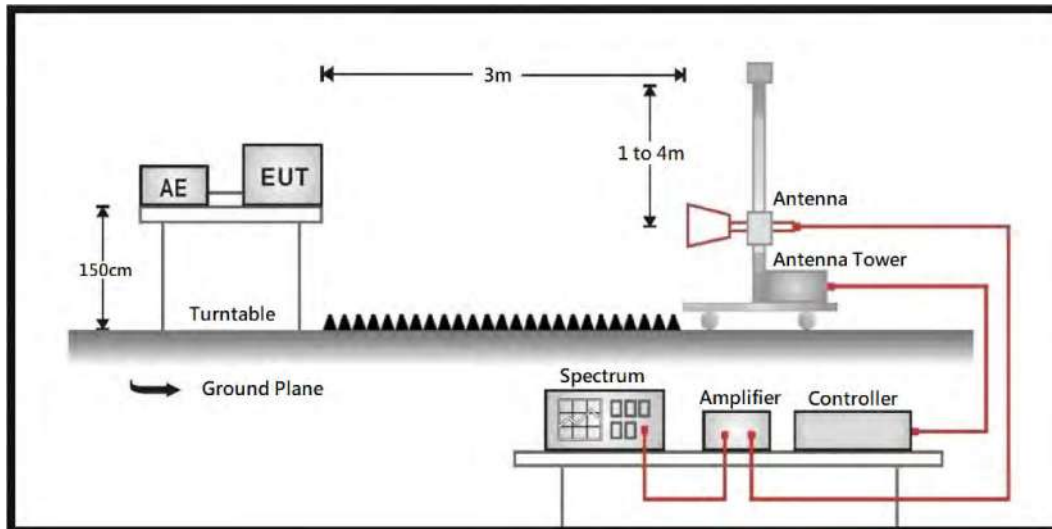
**802.11b / Ant. 0 / 2412 MHz (Band Edge)****802.11b / Ant. 0 / 2462 MHz (Band Edge)****802.11g / Ant. 0 / 2412 MHz (Band Edge)****802.11g / Ant. 0 / 2462 MHz (Band Edge)****802.11n (20 MHz) / Ant. 0 / 2412 MHz (Band Edge)****802.11n (20 MHz) / Ant. 0 / 2462 MHz (Band Edge)**

**802.11n (40 MHz) / Ant. 0 / 2422 MHz (Band Edge)****802.11n (40 MHz) / Ant. 0 / 2452 MHz (Band Edge)****802.11b / Ant. 1 / 2412 MHz (Band Edge)****802.11b / Ant. 1 / 2462 MHz (Band Edge)****802.11g / Ant. 1 / 2412 MHz (Band Edge)****802.11g / Ant. 1 / 2462 MHz (Band Edge)**

**802.11n (20 MHz) / Ant. 1 / 2412 MHz (Band Edge)****802.11n (20 MHz) / Ant. 1 / 2462 MHz (Band Edge)****802.11n (40 MHz) / Ant. 1 / 2422 MHz (Band Edge)****802.11n (40 MHz) / Ant. 1 / 2452 MHz (Band Edge)**

## 6. Radiated Emission Band Edge

### 6.1. Test Setup



### 6.2. Test Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 30 dB below the level of the fundamental or to the general radiated emission limit in paragraph 15.209, whichever is the lesser attenuation.

| Frequency<br>(MHz) | Field strength<br>( $\mu\text{V/m}$ ) | Field strength<br>(dB $\mu\text{V/m}$ ) | Measurement distance<br>(m) |
|--------------------|---------------------------------------|-----------------------------------------|-----------------------------|
| 30 - 88            | 100                                   | 40                                      | 3                           |
| 88 - 216           | 150                                   | 43.5                                    | 3                           |
| 216 - 960          | 200                                   | 46                                      | 3                           |
| Above 960          | 500                                   | 54                                      | 3                           |

Remarks:

1. Field strength (dB $\mu\text{V/m}$ ) =  $20 \log$  Field strength ( $\mu\text{V/m}$ )
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

### **6.3. Test Procedure**

The EUT was setup according to ANSI C63.10: 2013 and tested according to the FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

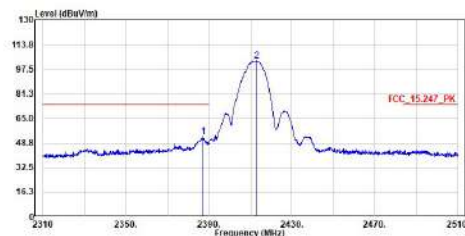
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

### **6.4. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247.

## 6.5. Test Result of Radiated Emission Band Edge

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :D\_TX\_2412MHz  
Test by :Cyril

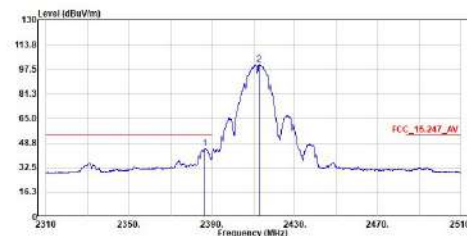


| No. | Frequency | Level  | Limit | Over   | Read  | Factor | Remark |
|-----|-----------|--------|-------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | Line  | Limit  | Level | dB     |        |
| 1   | 2387.200  | 52.76  | 74.00 | -21.24 | 48.73 | 12.03  | Peak   |
| 2   | 2412.900  | 103.22 | ----- | -----  | 91.08 | 12.14  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :D\_TX\_2412MHz  
Test by :Cyril

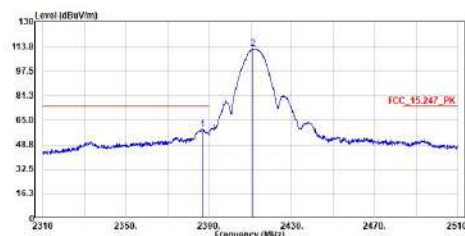


| No. | Frequency | Level  | Limit | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|-------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | Line  | Limit | Level | dB     |         |
| 1   | 2386.700  | 45.28  | 54.00 | -8.72 | 33.25 | 12.03  | Average |
| 2   | 2412.800  | 100.70 | ----- | ----- | 88.56 | 12.14  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :D\_TX\_2412MHz  
Test by :Cyril

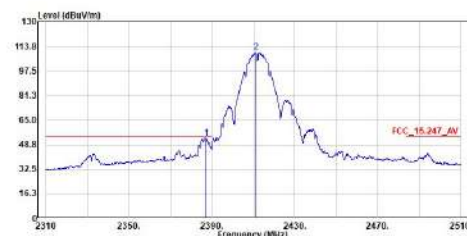


| No. | Frequency | Level  | Limit | Over   | Read   | Factor | Remark |
|-----|-----------|--------|-------|--------|--------|--------|--------|
|     | MHz       | dBuV/m | Line  | Limit  | Level  | dB     |        |
| 1   | 2387.000  | 59.06  | 74.00 | -14.94 | 47.03  | 12.03  | Peak   |
| 2   | 2411.200  | 112.16 | ----- | -----  | 100.02 | 12.14  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :D\_TX\_2412MHz  
Test by :Cyril

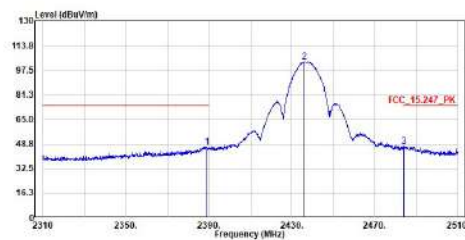


| No. | Frequency | Level  | Limit | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|-------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | Line  | Limit | Level | dB     |         |
| 1   | 2387.200  | 52.97  | 54.00 | -1.03 | 40.94 | 12.03  | Average |
| 2   | 2411.200  | 109.66 | ----- | ----- | 97.52 | 12.14  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :D\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2388.900  | 46.73  | 74.00  | -27.27 | 34.70 | 12.03  | Peak   |
| 2   | 2436.100  | 103.10 | 74.00  | 29.10  | 90.85 | 12.25  | Peak   |
| 3   | 2484.100  | 47.00  | 74.00  | -27.00 | 34.53 | 12.47  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

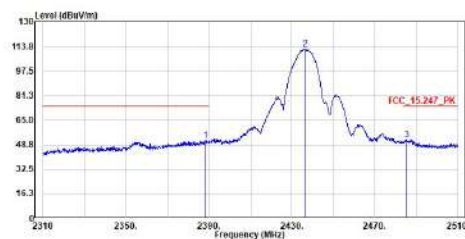
Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :D\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 2388.300  | 36.98  | 74.00  | -37.02 | 24.95 | 12.03  | Average |
| 2   | 2436.300  | 100.54 | 74.00  | 26.54  | 88.28 | 12.26  | Average |
| 3   | 2484.700  | 35.76  | 74.00  | -38.24 | 23.28 | 12.48  | Average |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :D\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2388.500  | 51.55  | 74.00  | -22.45 | 39.52 | 12.03  | Peak   |
| 2   | 2436.200  | 111.84 | 74.00  | 37.84  | 99.58 | 12.26  | Peak   |
| 3   | 2485.500  | 51.87  | 74.00  | -22.13 | 39.39 | 12.48  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

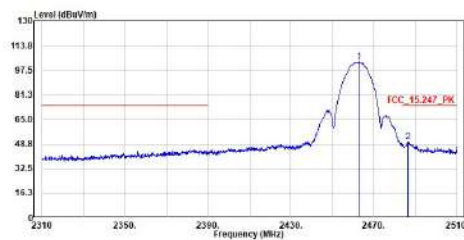
Site :HC-CB04  
Condition :3m ,Vertical  
Mode :D\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 2355.200  | 42.29  | 74.00  | -31.71 | 30.41 | 11.88  | Average |
| 2   | 2436.200  | 109.29 | 74.00  | 35.29  | 97.03 | 12.26  | Average |
| 3   | 2485.600  | 41.63  | 74.00  | -32.37 | 29.15 | 12.48  | Average |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :B\_TX\_2462MHz  
Test by :Cyril

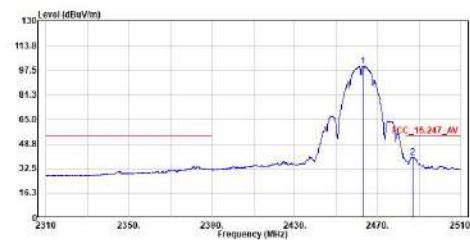


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2462.800  | 102.88 | -----  | 98.51  | 12.37 | Peak   |        |
| 2   | 2486.500  | 49.85  | 74.00  | -24.15 | 37.36 | 12.49  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :B\_TX\_2462MHz  
Test by :Cyril

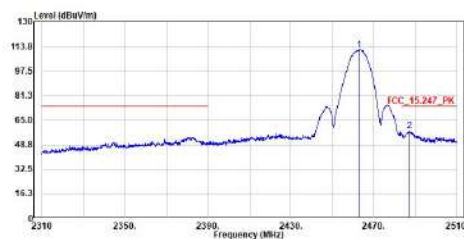


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor  | Remark  |
|-----|-----------|--------|--------|--------|-------|---------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB      |         |
| 1   | 2462.800  | 100.27 | -----  | 87.90  | 12.37 | Average |         |
| 2   | 2486.700  | 39.85  | 54.00  | -14.15 | 27.36 | 12.49   | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :B\_TX\_2462MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2462.800  | 111.60 | -----  | 99.23  | 12.37 | Peak   |        |
| 2   | 2487.300  | 57.90  | 74.00  | -16.10 | 45.41 | 12.49  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :B\_TX\_2462MHz  
Test by :Cyril

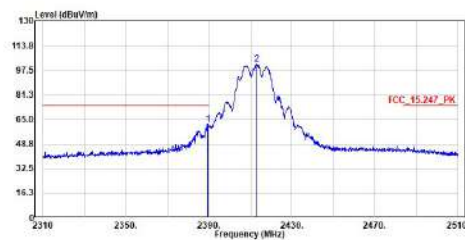


| No. | Frequency | Level  | Limit  | Over  | Read  | Factor  | Remark  |
|-----|-----------|--------|--------|-------|-------|---------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB      |         |
| 1   | 2462.800  | 109.03 | -----  | 96.66 | 12.37 | Average |         |
| 2   | 2486.800  | 50.02  | 54.00  | -3.98 | 37.53 | 12.49   | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :g\_TX\_2412MHz  
Test by :Cyril

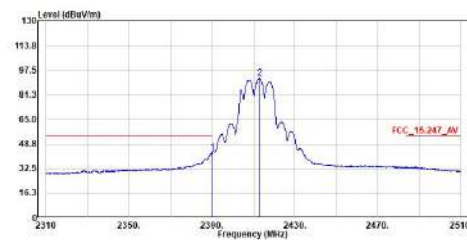


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 2389.300  | 61.57  | 74.00  | -12.43 | 49.54 | 12.03  | Peak   |
| 2   | 2412.900  | 101.32 | -----  | -----  | 89.38 | 12.14  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :g\_TX\_2412MHz  
Test by :Cyril

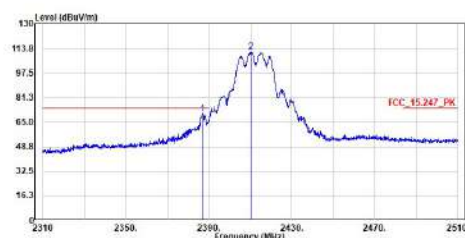


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |         |
| 1   | 2390.000  | 45.26  | 54.00  | -10.74 | 31.23 | 12.03  | Average |
| 2   | 2412.900  | 92.31  | -----  | -----  | 80.17 | 12.14  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :g\_TX\_2412MHz  
Test by :Cyril

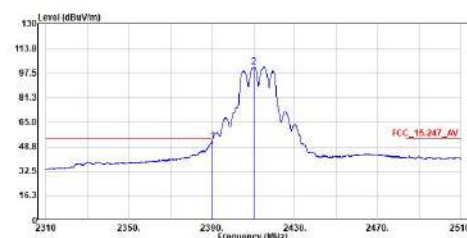


| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark |
|-----|-----------|--------|--------|-------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit | Level | dB     |        |
| 1   | 2387.100  | 70.53  | 74.00  | -3.47 | 58.50 | 12.03  | Peak   |
| 2   | 2410.300  | 111.13 | -----  | ----- | 90.99 | 12.14  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :g\_TX\_2412MHz  
Test by :Cyril

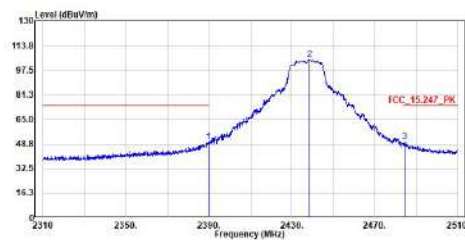


| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|--------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | Limit | Level | dB     |         |
| 1   | 2390.000  | 52.53  | 54.00  | -1.47 | 40.50 | 12.03  | Average |
| 2   | 2410.100  | 101.55 | -----  | ----- | 89.41 | 12.14  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :g\_TX\_2437MHz  
Test by :Cyril

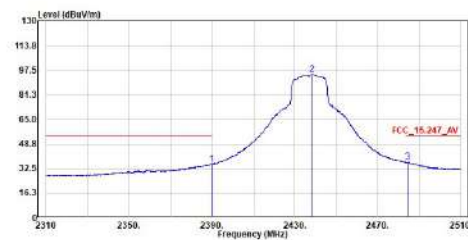


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2389.800  | 49.99  | 74.00  | -24.01 | 37.96 | 12.03  | Peak   |
| 2   | 2438.400  | 104.41 | -----  | -----  | 92.15 | 12.26  | Peak   |
| 3   | 2484.200  | 49.97  | 74.00  | -24.03 | 37.50 | 12.47  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :g\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 2389.800  | 35.49  | 54.00  | -18.51 | 21.46 | 12.03  | Average |
| 2   | 2438.100  | 94.91  | -----  | -----  | 82.65 | 12.26  | Average |
| 3   | 2484.200  | 36.61  | 54.00  | -17.39 | 24.14 | 12.47  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :g\_TX\_2437MHz  
Test by :Cyril

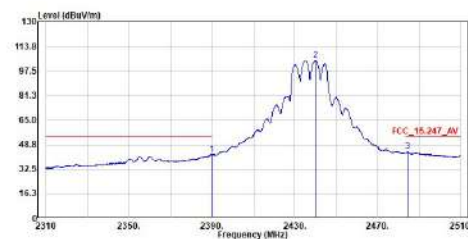


| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark |
|-----|-----------|--------|--------|--------|--------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV   | dB     |        |
| 1   | 2390.000  | 58.29  | 74.00  | -15.71 | 46.26  | 12.03  | Peak   |
| 2   | 2440.000  | 114.06 | -----  | -----  | 101.79 | 12.27  | Peak   |
| 3   | 2484.500  | 57.09  | 74.00  | -16.91 | 44.61  | 12.48  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :g\_TX\_2437MHz  
Test by :Cyril

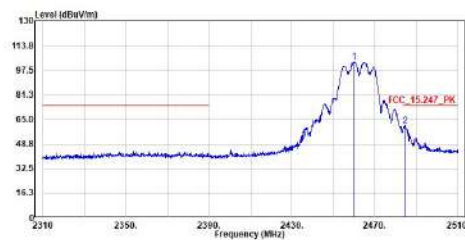


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 2389.700  | 42.36  | 54.00  | -11.64 | 30.33 | 12.03  | Average |
| 2   | 2439.900  | 104.72 | -----  | -----  | 92.45 | 12.27  | Average |
| 3   | 2484.300  | 43.92  | 54.00  | -10.08 | 31.45 | 12.47  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :g\_TX\_2462MHz  
Test by :Cyril

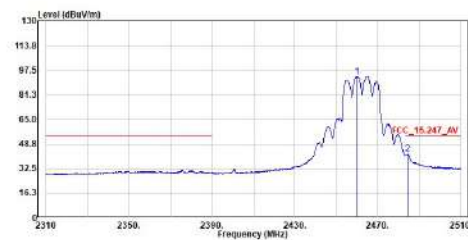


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2460.100  | 103.08 | -----  | -----  | 90.71 | 12.37  | Peak   |
| 2   | 2484.500  | 60.62  | 74.00  | -13.38 | 48.34 | 12.08  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :g\_TX\_2462MHz  
Test by :Cyril

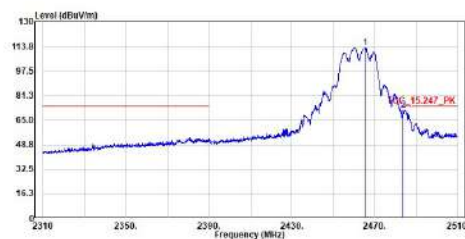


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 2459.800  | 93.44  | -----  | -----  | 81.87 | 12.37  | Average |
| 2   | 2484.200  | 42.01  | 54.00  | -11.99 | 29.54 | 12.07  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :g\_TX\_2462MHz  
Test by :Cyril

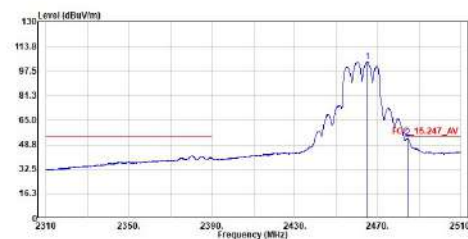


| No. | Frequency | Level  | Limit  | Over  | Read   | Factor | Remark |
|-----|-----------|--------|--------|-------|--------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV   | dB     |        |
| 1   | 2465.200  | 112.88 | -----  | ----- | 100.49 | 12.39  | Peak   |
| 2   | 2483.600  | 71.64  | 74.00  | -2.36 | 59.37  | 12.07  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :g\_TX\_2462MHz  
Test by :Cyril

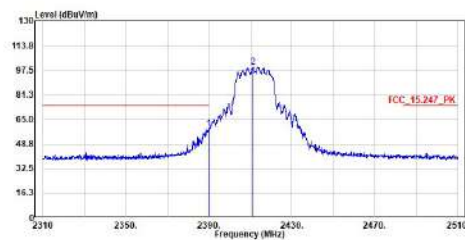


| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|--------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB     |         |
| 1   | 2464.800  | 103.71 | -----  | ----- | 91.32 | 12.39  | Average |
| 2   | 2484.300  | 52.74  | 54.00  | -1.26 | 40.27 | 12.07  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n20\_TX\_2412MHz  
Test by :Cyril

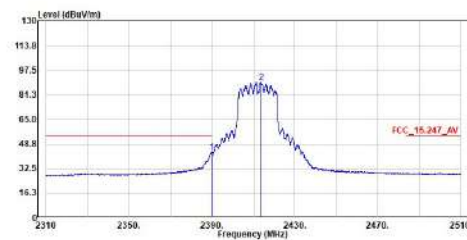


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2389.900  | 58.93  | 74.00  | -15.07 | 46.90 | 12.03  | Peak   |
| 2   | 2411.300  | 99.66  | -----  | -----  | 87.52 | 12.14  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n20\_TX\_2412MHz  
Test by :Cyril

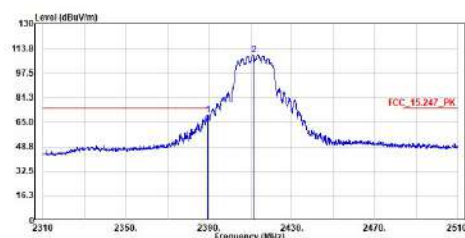


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 2389.800  | 45.37  | 54.00  | -10.63 | 31.34 | 12.03  | Average |
| 2   | 2413.700  | 89.46  | -----  | -----  | 77.32 | 12.14  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n20\_TX\_2412MHz  
Test by :Cyril

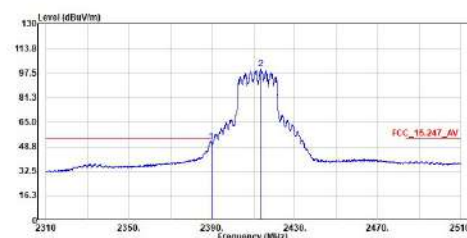


| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark |
|-----|-----------|--------|--------|-------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB     |        |
| 1   | 2389.400  | 69.52  | 74.00  | -4.48 | 57.49 | 12.03  | Peak   |
| 2   | 2411.500  | 109.55 | -----  | ----- | 97.41 | 12.14  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n20\_TX\_2412MHz  
Test by :Cyril

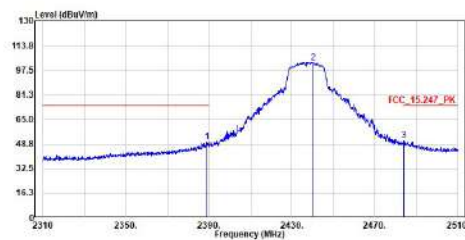


| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|--------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB     |         |
| 1   | 2389.600  | 51.93  | 54.00  | -2.07 | 39.90 | 12.03  | Average |
| 2   | 2413.500  | 99.88  | -----  | ----- | 87.74 | 12.14  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

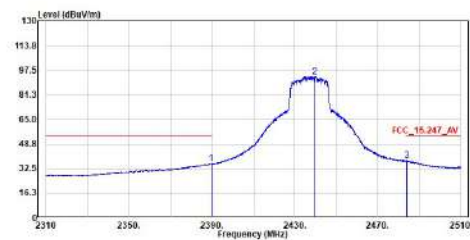
Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n20\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2388.900  | 50.08  | 74.00  | -23.92 | 38.05 | 12.03  | Peak   |
| 2   | 2440.100  | 102.71 | 74.00  | -28.71 | 90.44 | 12.27  | Peak   |
| 3   | 2483.900  | 50.82  | 74.00  | -23.18 | 38.35 | 12.47  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

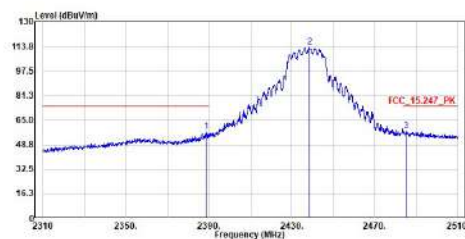
Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n20\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 2389.600  | 35.70  | 74.00  | -38.30 | 21.67 | 12.03  | Average |
| 2   | 2439.500  | 93.31  | 74.00  | -19.31 | 81.05 | 12.26  | Average |
| 3   | 2484.000  | 37.54  | 74.00  | -36.46 | 25.87 | 12.47  | Average |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

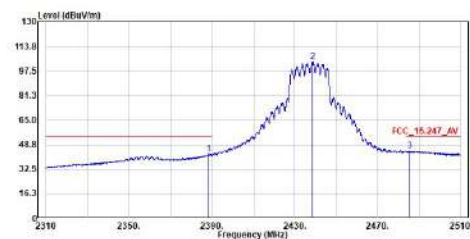
Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n20\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read   | Factor | Remark |
|-----|-----------|--------|--------|--------|--------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV   | dB     |        |
| 1   | 2388.800  | 57.23  | 74.00  | -16.77 | 45.20  | 12.03  | Peak   |
| 2   | 2438.500  | 113.31 | 74.00  | -39.31 | 101.05 | 12.26  | Peak   |
| 3   | 2485.000  | 57.87  | 74.00  | -16.13 | 45.39  | 12.48  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

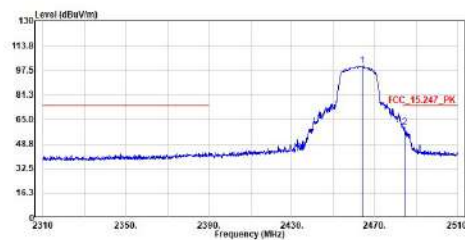
Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n20\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 2388.500  | 42.52  | 74.00  | -31.48 | 30.49 | 12.03  | Average |
| 2   | 2438.600  | 103.42 | 74.00  | -29.54 | 91.16 | 12.26  | Average |
| 3   | 2485.500  | 44.46  | 74.00  | -29.54 | 31.98 | 12.48  | Average |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n20\_TX\_2462MHz  
Test by :Cyril

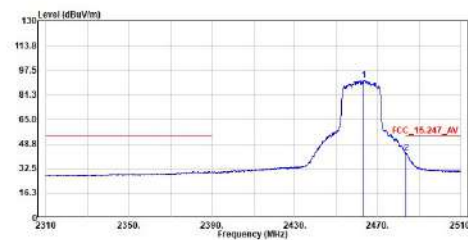


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2462.800  | 100.50 | -----  | 88.12  | 12.38 | Peak   |        |
| 2   | 2484.300  | 59.99  | 74.00  | -14.01 | 47.52 | 12.47  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n20\_TX\_2462MHz  
Test by :Cyril

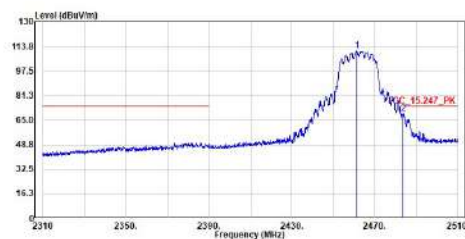


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor  | Remark  |
|-----|-----------|--------|--------|--------|-------|---------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB      |         |
| 1   | 2463.300  | 90.95  | -----  | 78.58  | 12.37 | Average |         |
| 2   | 2483.600  | 42.74  | 54.00  | -11.26 | 30.27 | 12.47   | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n20\_TX\_2462MHz  
Test by :Cyril

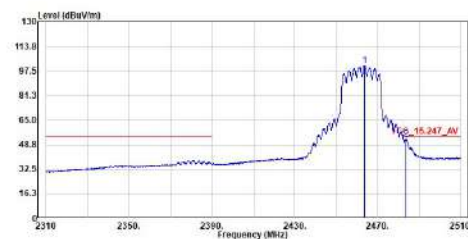


| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark |
|-----|-----------|--------|--------|-------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB     |        |
| 1   | 2461.500  | 110.63 | -----  | 98.26 | 12.37 | Peak   |        |
| 2   | 2483.600  | 69.19  | 74.00  | -4.81 | 56.72 | 12.47  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n20\_TX\_2462MHz  
Test by :Cyril

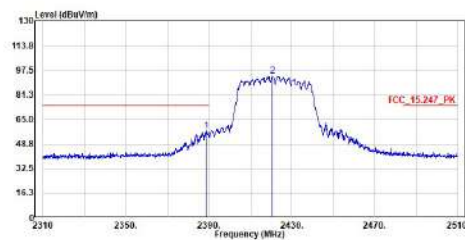


| No. | Frequency | Level  | Limit  | Over  | Read  | Factor  | Remark  |
|-----|-----------|--------|--------|-------|-------|---------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB      |         |
| 1   | 2463.400  | 101.20 | -----  | 88.83 | 12.37 | Average |         |
| 2   | 2483.600  | 52.58  | 54.00  | -1.42 | 40.31 | 12.47   | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n40\_TX\_2412MHz  
Test by :Cyril

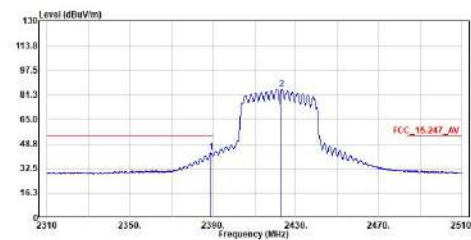


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2388.800  | 57.47  | 74.00  | -16.53 | 45.44 | 12.03  | Peak   |
| 2   | 2420.700  | 93.46  | -----  | -----  | 81.28 | 12.18  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n40\_TX\_2412MHz  
Test by :Cyril

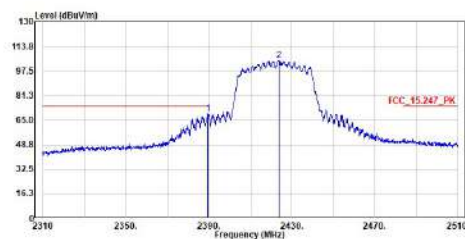


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 2389.000  | 45.09  | 54.00  | -10.91 | 31.86 | 12.03  | Average |
| 2   | 2423.200  | 85.11  | -----  | -----  | 72.92 | 12.19  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n40\_TX\_2422MHz  
Test by :Cyril

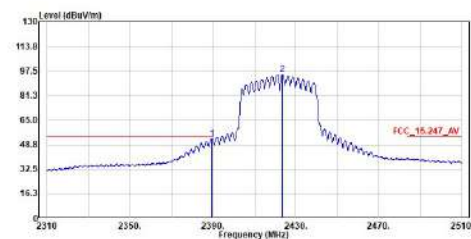


| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark |
|-----|-----------|--------|--------|-------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB     |        |
| 1   | 2389.500  | 69.16  | 74.00  | -4.84 | 57.13 | 12.03  | Peak   |
| 2   | 2423.900  | 104.60 | -----  | ----- | 92.40 | 12.20  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n40\_TX\_2422MHz  
Test by :Cyril

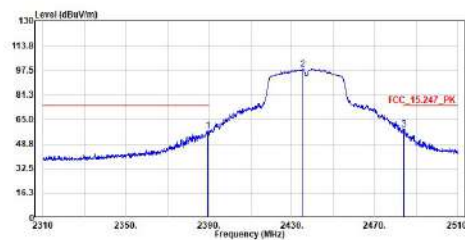


| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|--------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB     |         |
| 1   | 2389.500  | 52.70  | 54.00  | -1.30 | 40.67 | 12.03  | Average |
| 2   | 2423.000  | 95.22  | -----  | ----- | 83.02 | 12.20  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

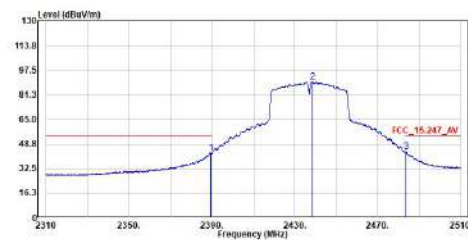
Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n40\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2389.400  | 57.61  | 74.00  | -16.39 | 45.58 | 12.03  | Peak   |
| 2   | 2435.300  | 98.30  | 74.00  | 24.30  | 86.05 | 12.25  | Peak   |
| 3   | 2483.900  | 58.59  | 74.00  | -15.41 | 46.12 | 12.47  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

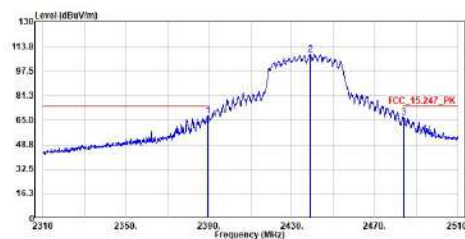
Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n40\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 2389.300  | 42.70  | 54.00  | -11.30 | 38.67 | 12.03  | Average |
| 2   | 2438.000  | 89.61  | 74.00  | 15.61  | 77.35 | 12.26  | Average |
| 3   | 2483.600  | 43.66  | 54.00  | -10.34 | 31.19 | 12.47  | Average |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

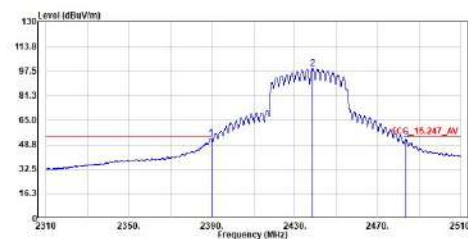
Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n40\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark |
|-----|-----------|--------|--------|-------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB     |        |
| 1   | 2389.300  | 67.92  | 74.00  | -6.08 | 55.89 | 12.03  | Peak   |
| 2   | 2438.000  | 108.31 | 74.00  | 34.31 | 96.05 | 12.26  | Peak   |
| 3   | 2483.800  | 66.61  | 74.00  | -7.39 | 54.14 | 12.47  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

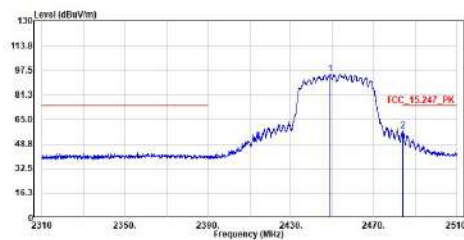
Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n40\_TX\_2437MHz  
Test by :Cyril



| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|--------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB     |         |
| 1   | 2389.600  | 52.89  | 54.00  | -1.11 | 48.86 | 12.03  | Average |
| 2   | 2438.000  | 99.03  | 74.00  | 25.03 | 86.77 | 12.26  | Average |
| 3   | 2483.600  | 51.81  | 54.00  | -2.19 | 39.34 | 12.47  | Average |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n40\_TX\_2452MHz  
Test by :Cyril

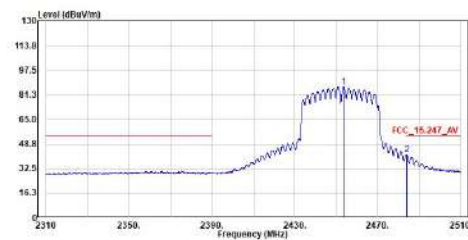


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |        |
| 1   | 2449.000  | 95.31  | 74.00  | -16.61 | 82.99 | 12.32  | Peak   |
| 2   | 2484.000  | 57.39  | 74.00  | -16.61 | 44.92 | 12.47  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Horizontal  
Mode :n40\_TX\_2452MHz  
Test by :Cyril

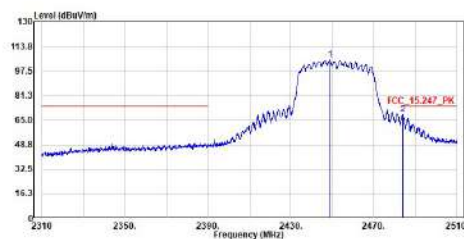


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark  |
|-----|-----------|--------|--------|--------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB     |         |
| 1   | 2453.500  | 86.58  | 74.00  | -12.20 | 74.24 | 12.34  | Average |
| 2   | 2483.800  | 41.80  | 54.00  | -12.20 | 29.33 | 12.47  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n40\_TX\_2452MHz  
Test by :Cyril

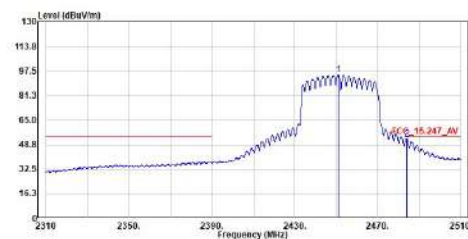


| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark |
|-----|-----------|--------|--------|-------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB     |        |
| 1   | 2448.800  | 104.90 | 74.00  | -5.44 | 92.58 | 12.32  | Peak   |
| 2   | 2483.800  | 68.56  | 74.00  | -5.44 | 56.89 | 12.47  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04  
Condition :3m ,Vertical  
Mode :n40\_TX\_2452MHz  
Test by :Cyril



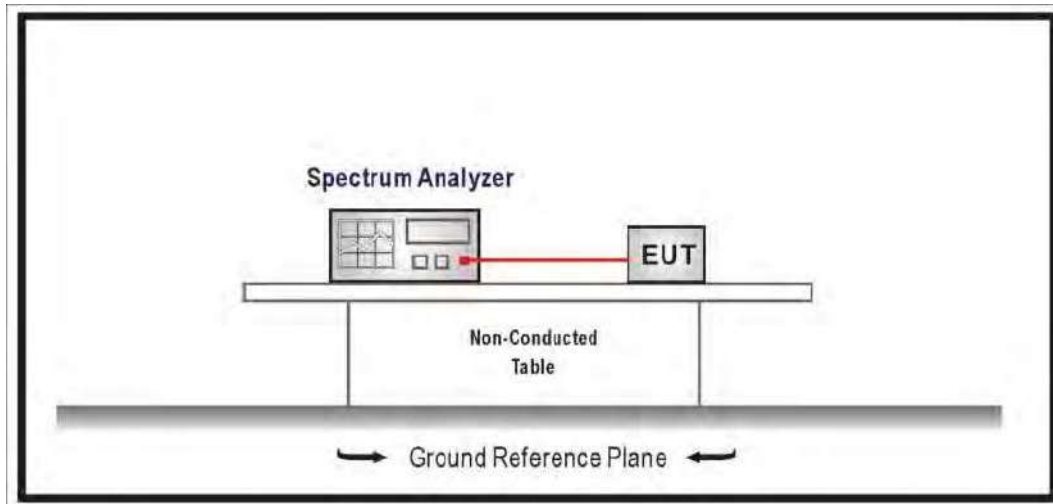
| No. | Frequency | Level  | Limit  | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|--------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | dBuV/m | dB    | dBuV  | dB     |         |
| 1   | 2450.900  | 94.98  | 74.00  | -1.45 | 82.66 | 12.32  | Average |
| 2   | 2483.900  | 52.55  | 54.00  | -1.45 | 40.08 | 12.47  | Average |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

## 7. Occupied Bandwidth & DTS Bandwidth

### 7.1. Test Setup



### 7.2. Test Limit

The 6 dB bandwidth:  $\geq 0.50$  MHz.

Occupied Bandwidth: NA

### 7.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01 V05r02 for compliance to FCC 47CFR 15.247 requirements.

### 7.4. Test Specification

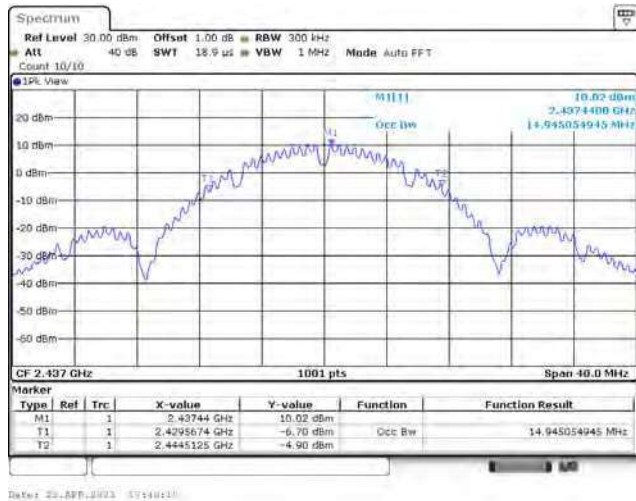
According to FCC Part 15 Subpart C Paragraph 15.247.

## 7.5. Test Result of Occupied Bandwidth

| Modulation       | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) |        | Limit (MHz) |
|------------------|---------|-----------------|--------------------------|--------|-------------|
|                  |         |                 | Ant. 0                   | Ant. 1 |             |
| 802.11b          | 1       | 2412            | 14.185                   | 14.385 | -           |
|                  | 6       | 2437            | 14.945                   | 14.385 | -           |
|                  | 11      | 2462            | 14.545                   | 13.906 | -           |
| 802.11g          | 1       | 2412            | 17.022                   | 16.503 | -           |
|                  | 6       | 2437            | 20.179                   | 17.502 | -           |
|                  | 11      | 2462            | 17.182                   | 16.503 | -           |
| 802.11n (20 MHz) | 1       | 2412            | 17.902                   | 17.622 | -           |
|                  | 6       | 2437            | 19.980                   | 18.061 | -           |
|                  | 11      | 2462            | 17.822                   | 17.542 | -           |
| 802.11n (40 MHz) | 3       | 2422            | 35.884                   | 36.203 | -           |
|                  | 6       | 2437            | 36.123                   | 36.363 | -           |
|                  | 9       | 2452            | 35.884                   | 36.203 | -           |

## Spectrum plot of maximum value

802.11b / Ant. 0 / 2437 MHz



802.11g / Ant. 0 / 2437 MHz



802.11n (20 MHz) / Ant. 0 / 2437 MHz



802.11n (40 MHz) / Ant. 1 / 2437 MHz

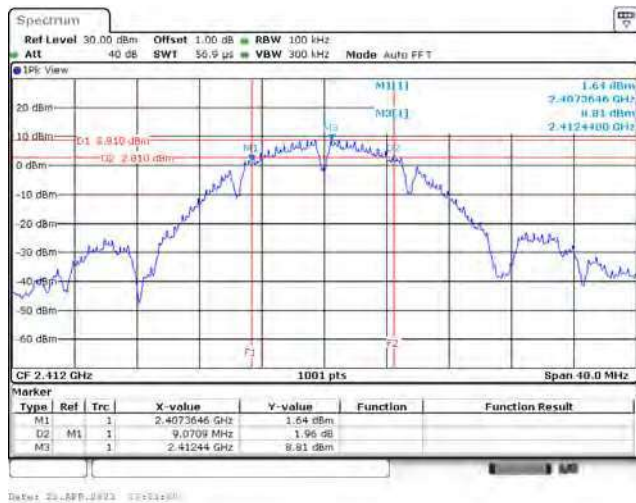


## 7.6. Test Result of DTS Bandwidth

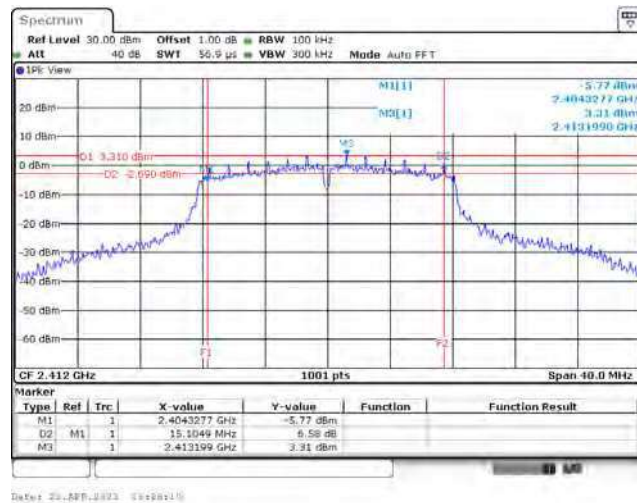
| Modulation       | Channel | Frequency (MHz) | DTS Bandwidth (MHz) |        | Limit (MHz) | Result |
|------------------|---------|-----------------|---------------------|--------|-------------|--------|
|                  |         |                 | Ant. 0              | Ant. 1 |             |        |
| 802.11b          | 1       | 2412            | 9.070               | 9.070  | $\geq 0.50$ | Pass   |
|                  | 6       | 2437            | 9.510               | 9.070  | $\geq 0.50$ | Pass   |
|                  | 11      | 2462            | 9.070               | 9.070  | $\geq 0.50$ | Pass   |
| 802.11g          | 1       | 2412            | 15.104              | 15.104 | $\geq 0.50$ | Pass   |
|                  | 6       | 2437            | 15.104              | 15.104 | $\geq 0.50$ | Pass   |
|                  | 11      | 2462            | 15.104              | 15.104 | $\geq 0.50$ | Pass   |
| 802.11n (20 MHz) | 1       | 2412            | 15.104              | 16.263 | $\geq 0.50$ | Pass   |
|                  | 6       | 2437            | 15.104              | 15.704 | $\geq 0.50$ | Pass   |
|                  | 11      | 2462            | 15.104              | 16.263 | $\geq 0.50$ | Pass   |
| 802.11n (40 MHz) | 3       | 2422            | 35.084              | 35.084 | $\geq 0.50$ | Pass   |
|                  | 6       | 2437            | 35.084              | 35.084 | $\geq 0.50$ | Pass   |
|                  | 9       | 2452            | 35.084              | 35.084 | $\geq 0.50$ | Pass   |

## Spectrum plot of worst value

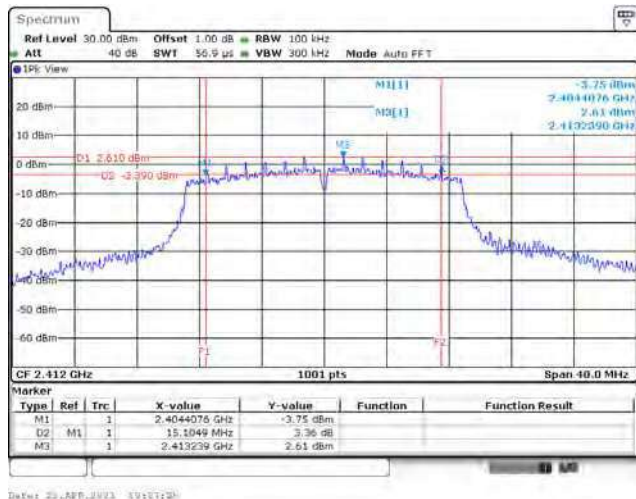
802.11b / Ant. 0 / 2412 MHz



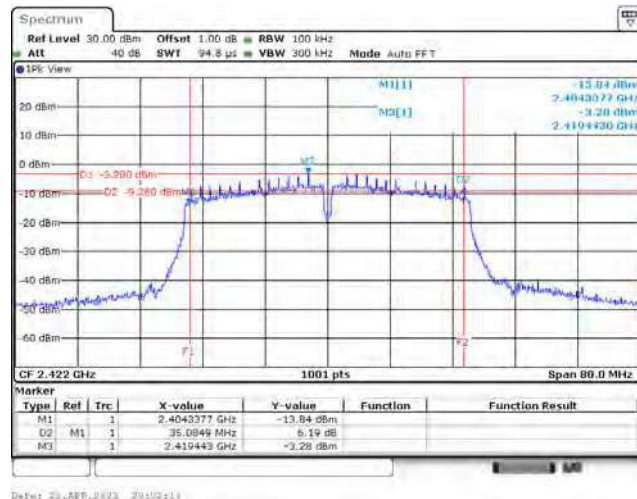
802.11g / Ant. 0 / 2412 MHz



802.11n (20 MHz) / Ant. 0 / 2412 MHz

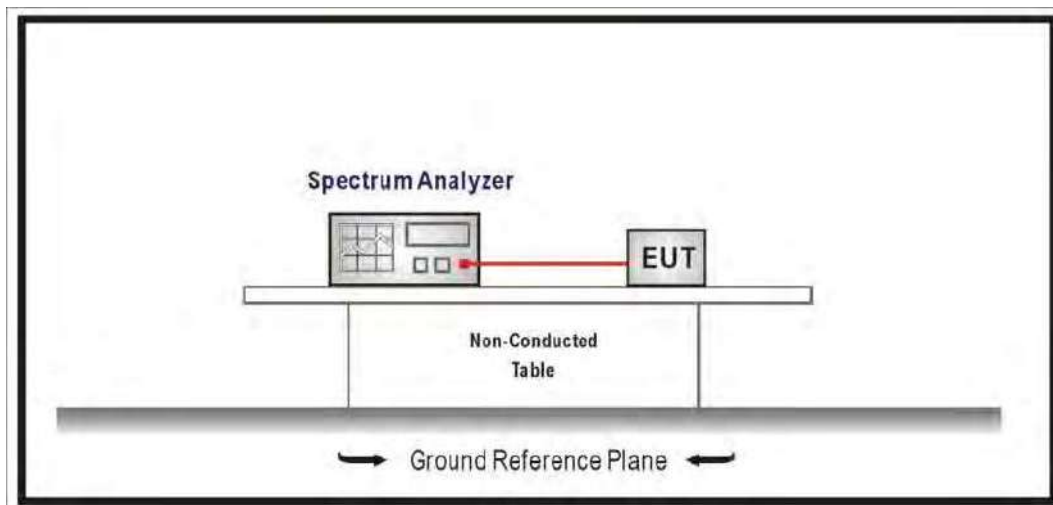


802.11n (40 MHz) / Ant. 0 / 2422 MHz



## 8. Maximum Power Spectral Density

### 8.1. Test Setup



### 8.2. Test Limit

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

### 8.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01 V05r02 for compliance to FCC 47CFR 15.247 requirements.

### 8.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247.

### 8.5. Test Result of Maximum Power Spectral Density

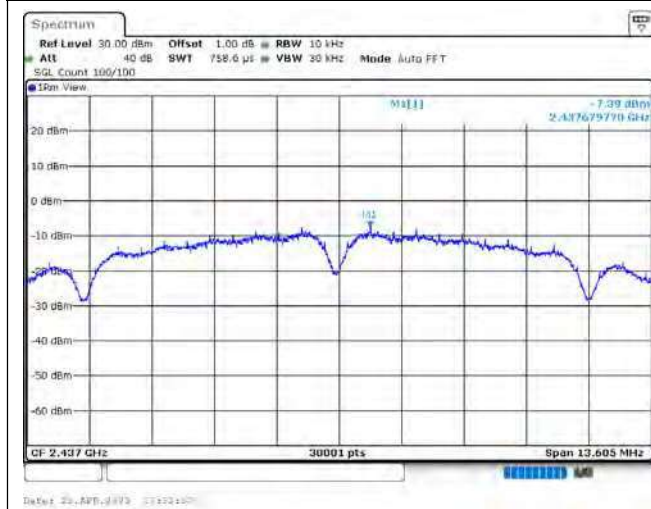
| Modulation       | Channel | Frequency (MHz) | Power Spectral Density (dBm / 3kHz) |         |         | Limit (dBm / 3kHz) | Result |
|------------------|---------|-----------------|-------------------------------------|---------|---------|--------------------|--------|
|                  |         |                 | Ant. 0                              | Ant. 1  | Total   |                    |        |
| 802.11b          | 1       | 2412            | -7.830                              | -8.500  | -5.101  | $\leq 7.84$        | Pass   |
|                  | 6       | 2437            | -7.390                              | -8.490  | -4.854  | $\leq 7.84$        | Pass   |
|                  | 11      | 2462            | -8.470                              | -10.150 | -6.178  | $\leq 7.84$        | Pass   |
| 802.11g          | 1       | 2412            | -14.460                             | -14.760 | -11.414 | $\leq 7.84$        | Pass   |
|                  | 6       | 2437            | -11.560                             | -11.570 | -8.371  | $\leq 7.84$        | Pass   |
|                  | 11      | 2462            | -14.190                             | -14.590 | -11.192 | $\leq 7.84$        | Pass   |
| 802.11n (20 MHz) | 1       | 2412            | -15.390                             | -14.820 | -11.856 | $\leq 7.84$        | Pass   |
|                  | 6       | 2437            | -11.790                             | -11.210 | -8.251  | $\leq 7.84$        | Pass   |
|                  | 11      | 2462            | -15.550                             | -15.960 | -12.510 | $\leq 7.84$        | Pass   |
| 802.11n (40 MHz) | 3       | 2422            | -20.930                             | -20.930 | -17.525 | $\leq 7.84$        | Pass   |
|                  | 6       | 2437            | -17.350                             | -17.250 | -13.894 | $\leq 7.84$        | Pass   |
|                  | 9       | 2452            | -20.780                             | -20.960 | -17.464 | $\leq 7.84$        | Pass   |

Note:

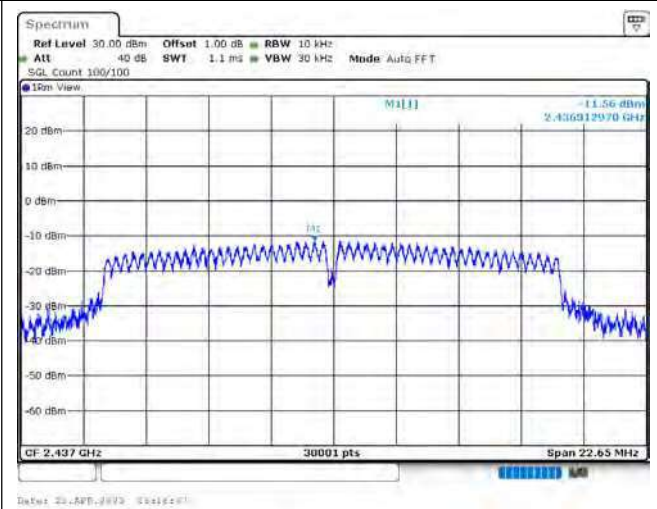
1. Total power spectral density = power spectral density + duty factor, and the duty factor refer to section 1.10.
2. Directional Gain =  $10\log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{Ant}] = 6.16\text{dBi} > 6\text{dBi}$ , so the limit =  $8 - (6.16 - 6) = 7.84\text{dBm}/3\text{kHz}$ .

## Spectrum plot of worst value

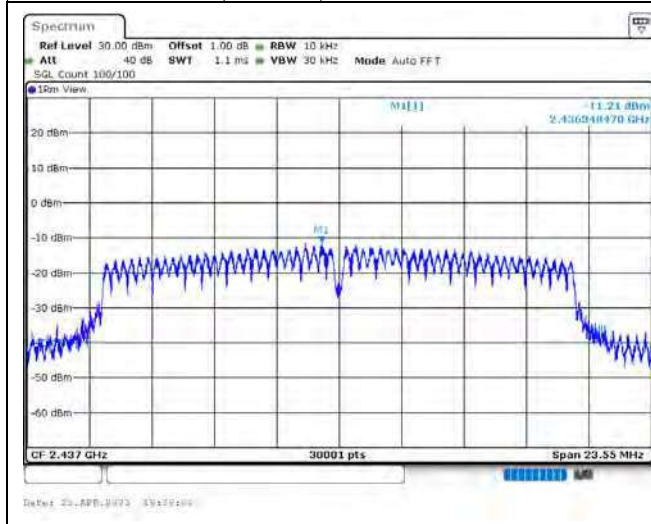
802.11b / Ant. 0 / 2437 MHz



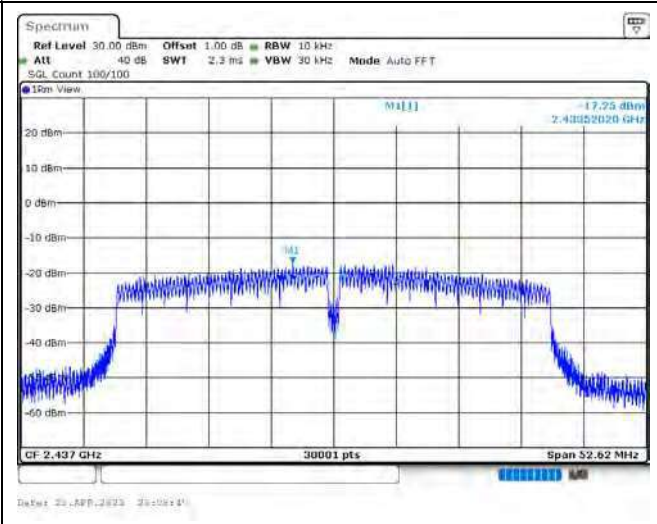
802.11g / Ant. 0 / 2437 MHz



802.11n (20 MHz) / Ant. 1 / 2437 MHz



802.11n (40 MHz) / Ant. 1 / 2437 MHz



## Appendix A

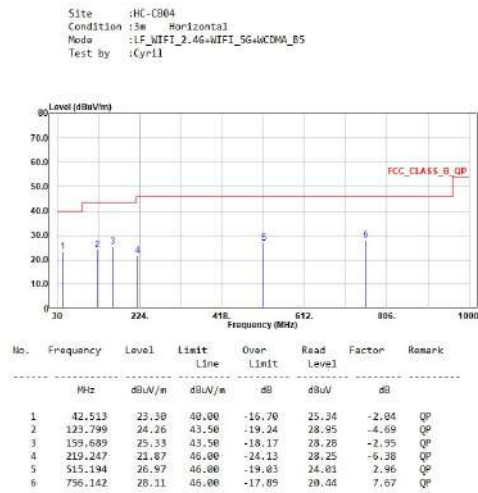
### ➤ Test Result of Radiated Emissions Co-location

<For EUT 1>

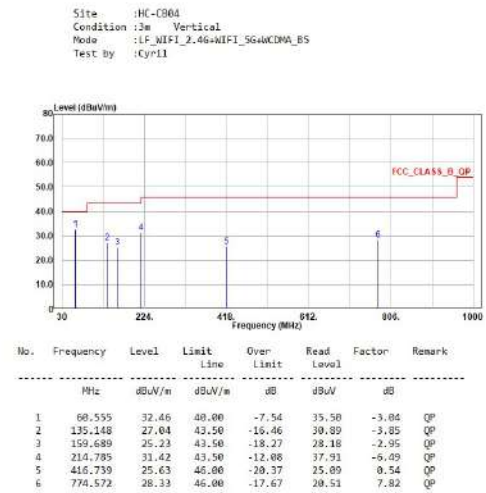
Mode 1: Transmit - power by adapter

1. WiFi 2.4 GHz + WiFi 5 GHz + WWAN module: WCDMA function

30 MHz ~ 1 GHz:

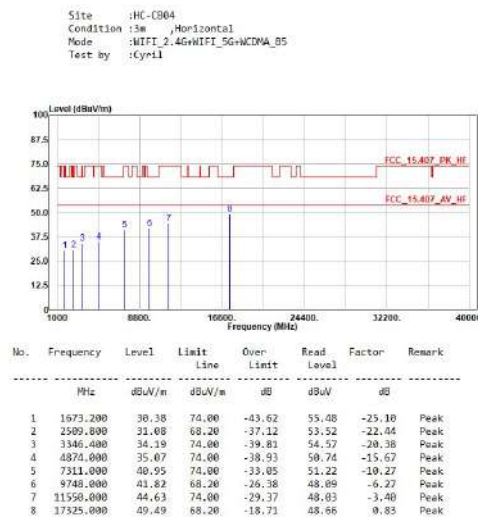


Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission under 30MHz was not included since the emission levels are very low against the limit.  
5. The other emission levels were very low against the limit.

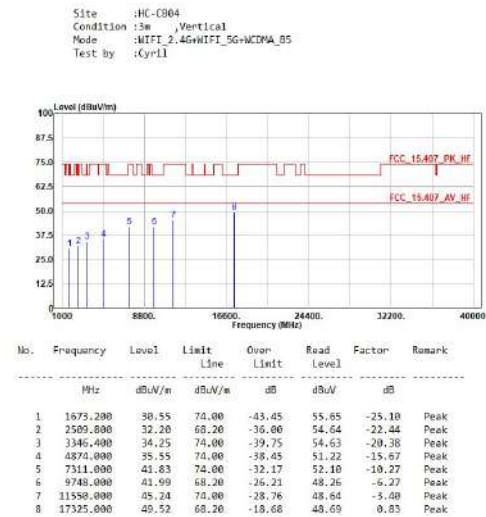


Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission under 30MHz was not included since the emission levels are very low against the limit.  
5. The other emission levels were very low against the limit.

Above 1 GHz:



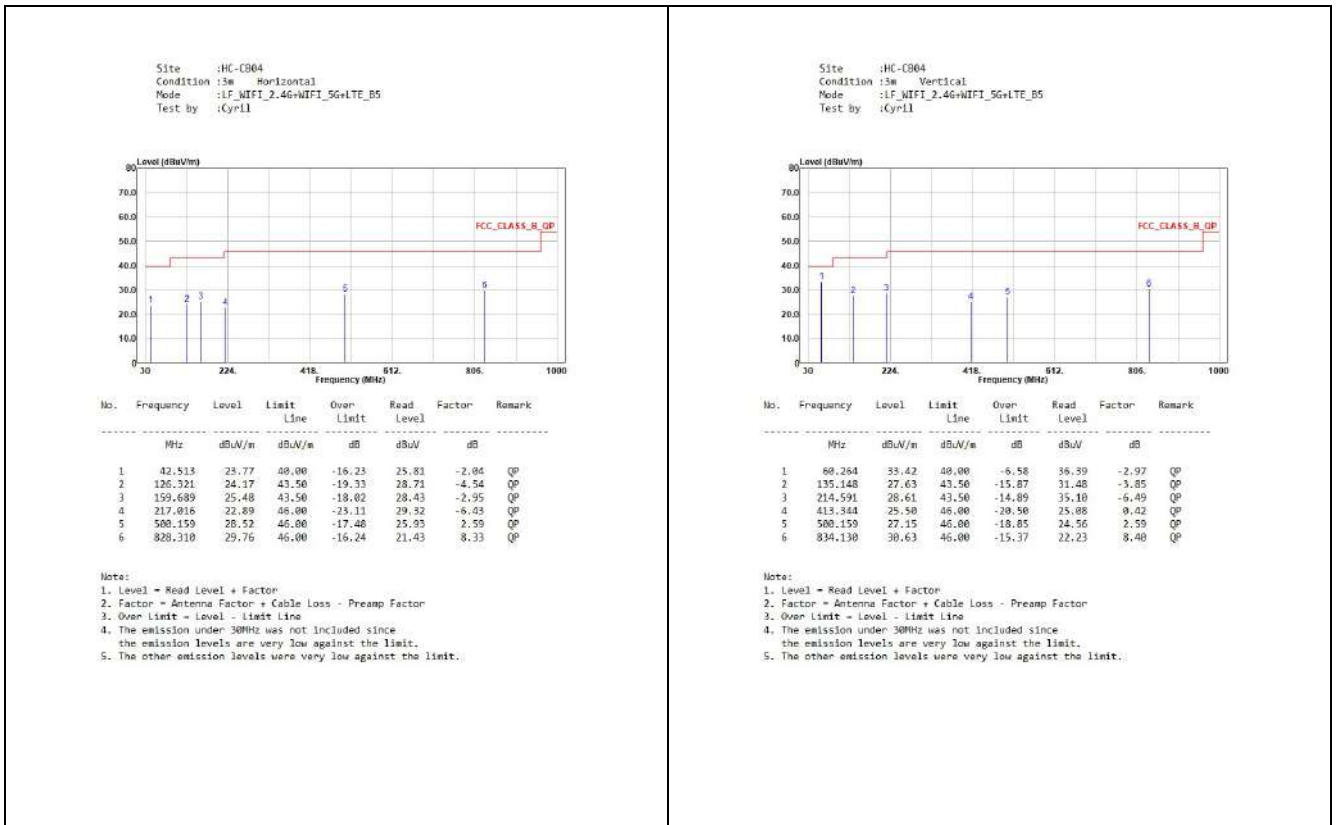
Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.



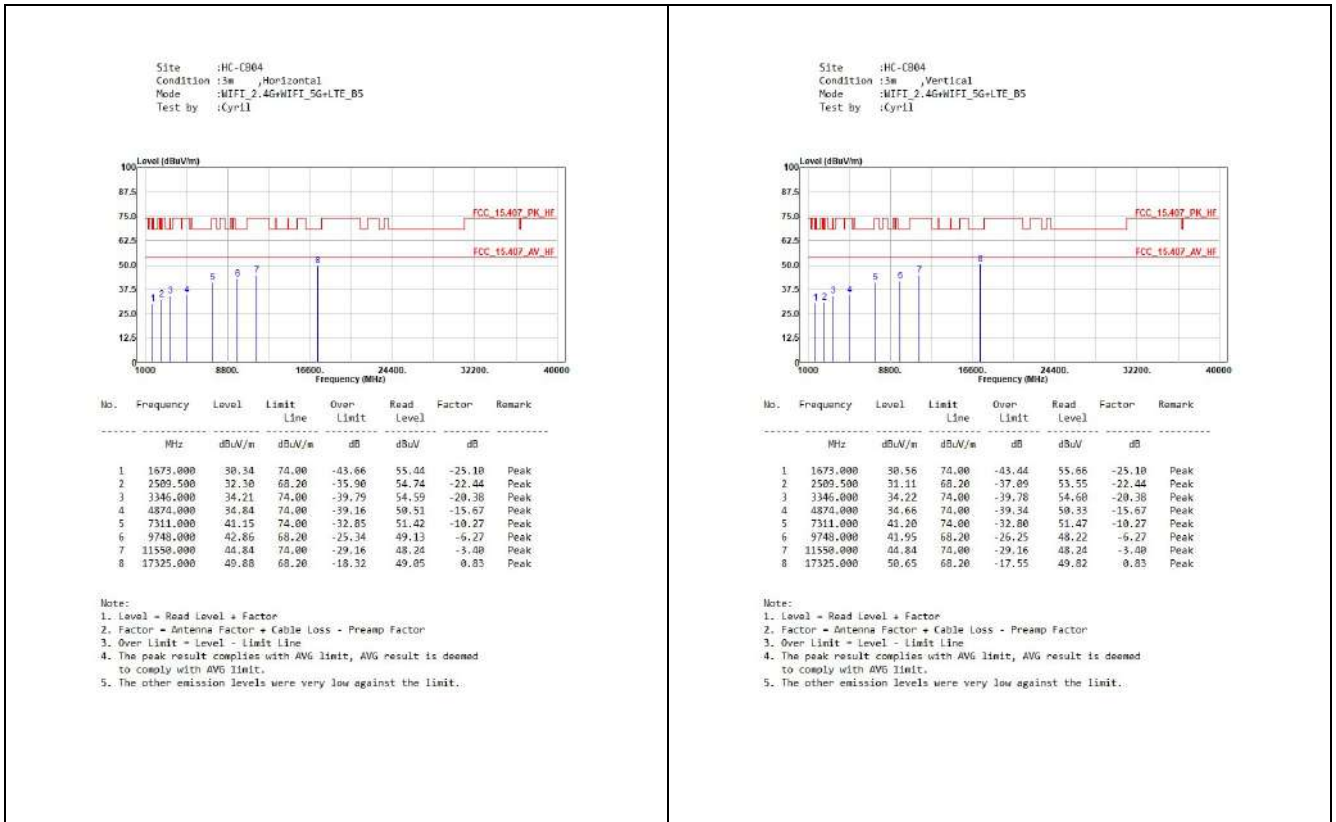
Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

## 2. WiFi 2.4 GHz + WiFi 5 GHz + WWAN module: LTE function

30 MHz ~ 1 GHz:



Above 1 GHz:

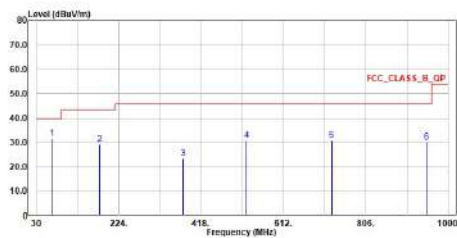


**Mode 2: Transmit - power by 802.3at PoE**

1. WiFi 2.4 GHz + WiFi 5 GHz + WWAN module: WCDMA function

30 MHz ~ 1 GHz:

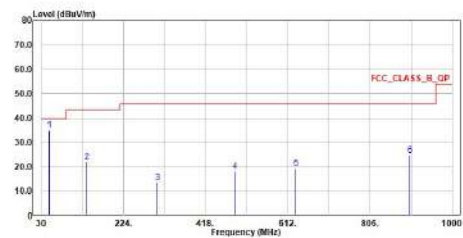
Site :HC-C064  
 Condition :3m Horizontal  
 Mode :LF\_WiFi\_2.4G+WiFi\_5G+WCDMA\_B5  
 Test by :Scott



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 86.278    | 31.83  | 46.00  | -8.17  | 35.91 | -4.08  | QP     |
| 2   | 170.410   | 29.25  | 43.50  | -14.25 | 33.50 | -4.33  | QP     |
| 3   | 375.029   | 23.67  | 46.00  | -22.33 | 24.11 | -0.44  | QP     |
| 4   | 525.088   | 30.89  | 46.00  | -15.11 | 27.70 | 3.19   | QP     |
| 5   | 725.102   | 30.79  | 46.00  | -15.21 | 23.91 | 6.88   | QP     |
| 6   | 948.978   | 30.18  | 46.00  | -15.90 | 20.19 | 9.91   | QP     |

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
 3. Over Limit = Level - Limit Line  
 4. The emission under 30MHz was not included since the emission levels are very low against the limit.  
 5. The other emission levels were very low against the limit.

Site :HC-C064  
 Condition :3m Vertical  
 Mode :LF\_WiFi\_2.4G+WiFi\_5G+WCDMA\_B5  
 Test by :Scott

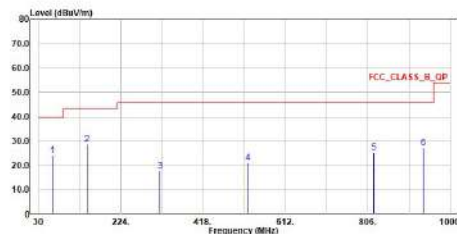


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 49.400    | 35.11  | 46.00  | -4.89  | 37.52 | -2.41  | QP     |
| 2   | 136.991   | 22.09  | 43.50  | -21.41 | 25.85 | -3.76  | QP     |
| 3   | 304.704   | 13.61  | 46.00  | -32.39 | 15.92 | -2.31  | QP     |
| 4   | 486.482   | 18.19  | 46.00  | -27.81 | 15.91 | 2.28   | QP     |
| 5   | 631.109   | 19.38  | 46.00  | -26.62 | 13.78 | 5.60   | QP     |
| 6   | 899.605   | 24.71  | 46.00  | -21.29 | 15.69 | 9.02   | QP     |

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
 3. Over Limit = Level - Limit Line  
 4. The emission under 30MHz was not included since the emission levels are very low against the limit.  
 5. The other emission levels were very low against the limit.

## 2. WiFi 2.4 GHz + WiFi 5 GHz + WWAN module: LTE function 30 MHz ~ 1 GHz:

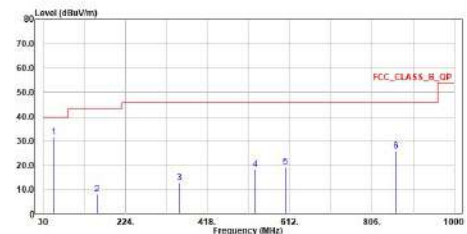
Site :HC-C804  
Condition :3m Horizontal  
Mode :IF\_WiFi\_2.4G+WiFi\_5G+LTE\_B5  
Test by :iScott



| No. | Frequency | Level  | Limit | Over   | Read  | Factor | Remark |
|-----|-----------|--------|-------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | Line  | Limit  | Level | dB     |        |
| 1   | 83.455    | 24.30  | 48.00 | -15.70 | 27.66 | -3.36  | QP     |
| 2   | 145.236   | 28.55  | 43.50 | -14.95 | 31.89 | -3.34  | QP     |
| 3   | 315.471   | 17.73  | 46.00 | -28.27 | 19.68 | -1.95  | QP     |
| 4   | 522.857   | 23.01  | 46.00 | -24.99 | 17.85 | 3.18   | QP     |
| 5   | 820.259   | 25.49  | 46.00 | -20.51 | 17.33 | 8.16   | QP     |
| 6   | 936.756   | 27.02  | 46.00 | -18.98 | 17.32 | 9.70   | QP     |

Notes:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission under 30MHz was not included since the emission levels are very low against the limit.  
5. The other emission levels were very low against the limit.

Site :HC-C804  
Condition :3m Vertical  
Mode :IF\_WiFi\_2.4G+WiFi\_5G+LTE\_B5  
Test by :iScott



| No. | Frequency | Level  | Limit | Over   | Read  | Factor | Remark |
|-----|-----------|--------|-------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | Line  | Limit  | Level | dB     |        |
| 1   | 53.571    | 31.58  | 48.00 | -8.42  | 34.27 | -2.69  | QP     |
| 2   | 156.876   | 8.24   | 43.50 | -35.26 | 11.07 | -2.83  | QP     |
| 3   | 351.846   | 13.65  | 46.00 | -32.35 | 14.24 | -1.19  | QP     |
| 4   | 530.526   | 16.44  | 46.00 | -29.56 | 15.22 | 3.22   | QP     |
| 5   | 600.554   | 19.45  | 46.00 | -26.55 | 14.26 | 5.19   | QP     |
| 6   | 860.805   | 25.87  | 46.00 | -20.13 | 17.25 | 8.62   | QP     |

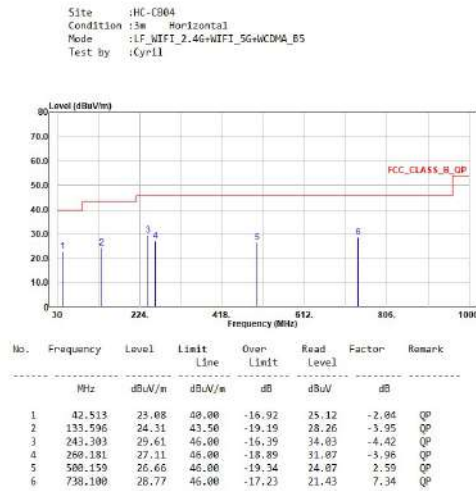
Notes:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission under 30MHz was not included since the emission levels are very low against the limit.  
5. The other emission levels were very low against the limit.

## &lt;For EUT 2&gt;

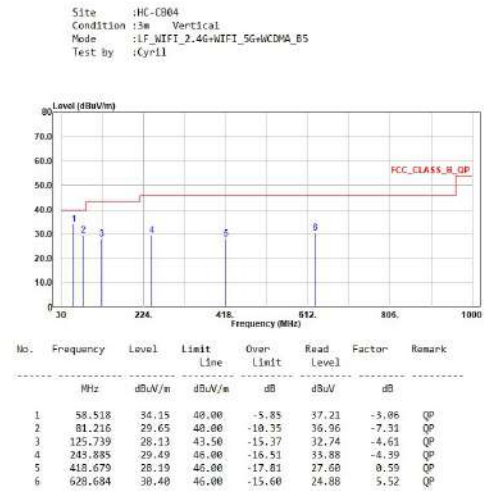
## Mode 1: Transmit - power by adapter

1. WiFi 2.4 GHz + WiFi 5 GHz + WWAN module: WCDMA function

30 MHz ~ 1 GHz:

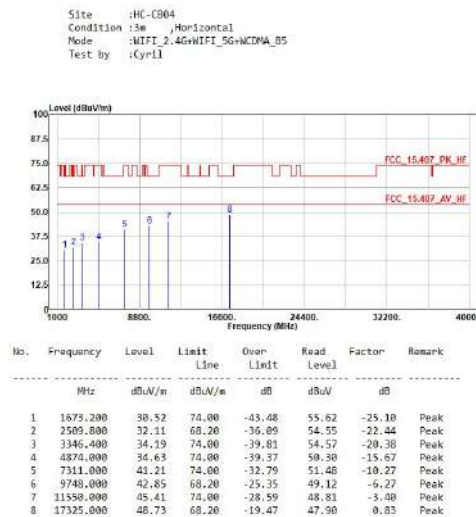


Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission under 30MHz was not included since the emission levels are very low against the limit.  
5. The other emission levels were very low against the limit.

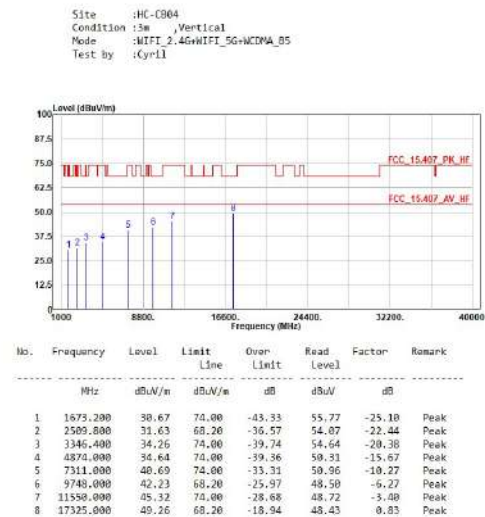


Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission under 30MHz was not included since the emission levels are very low against the limit.  
5. The other emission levels were very low against the limit.

Above 1 GHz:



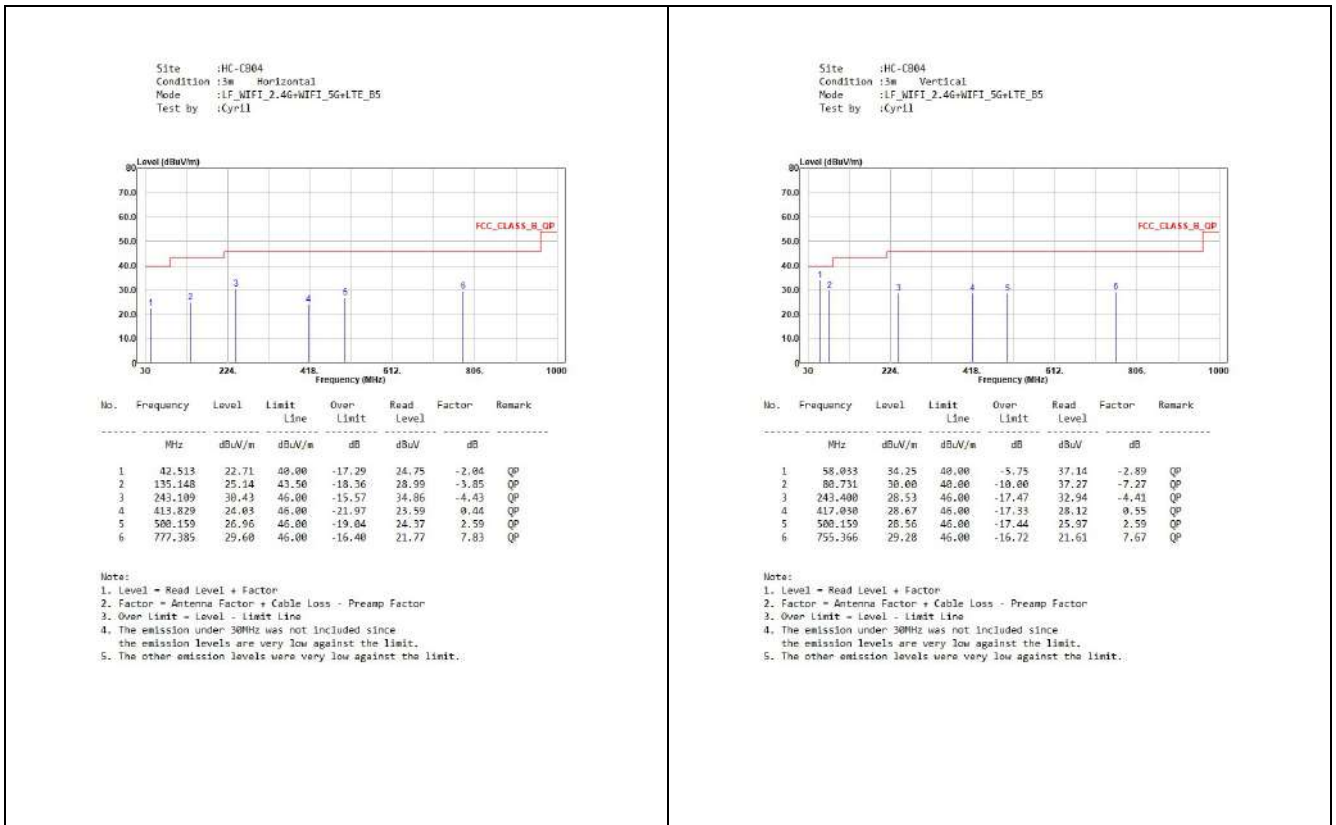
Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.



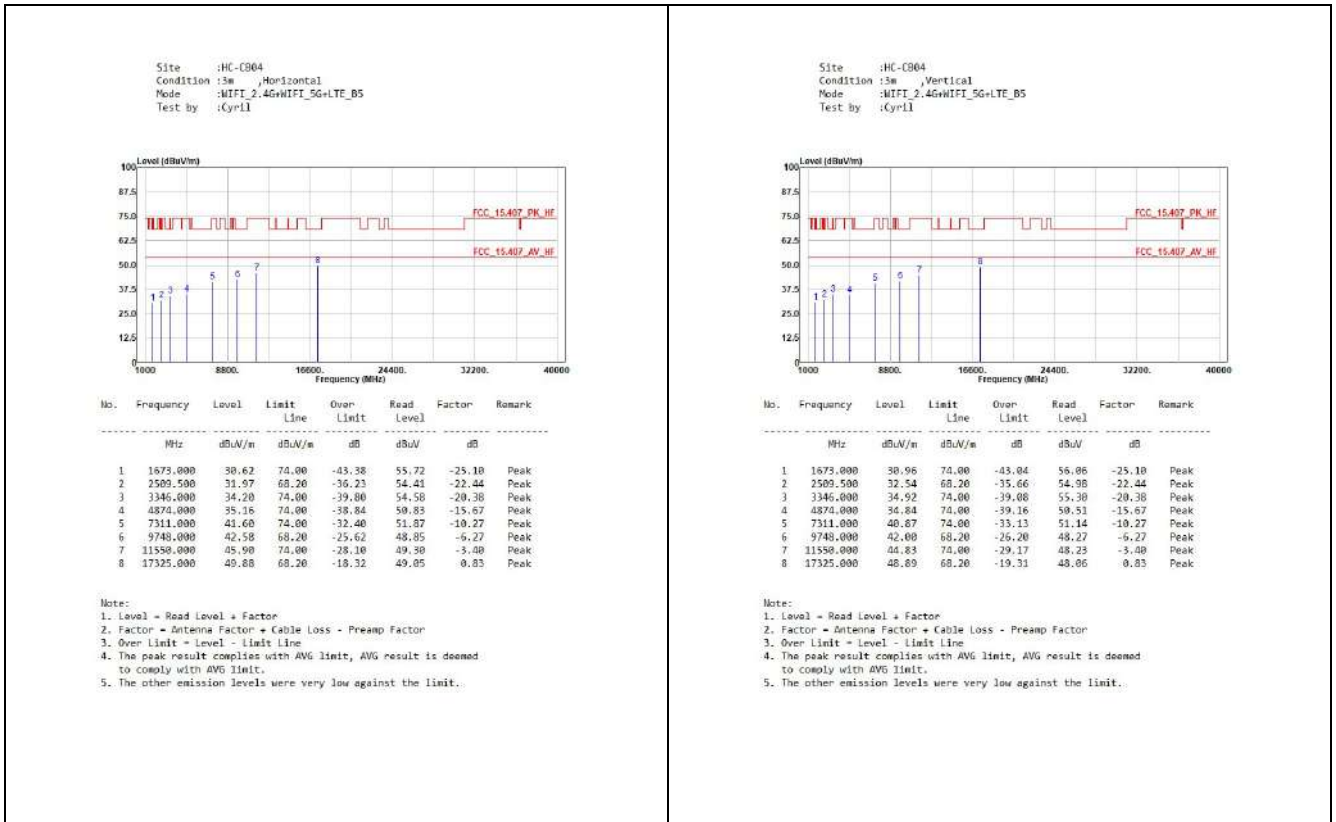
Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.  
5. The other emission levels were very low against the limit.

## 2. WiFi 2.4 GHz + WiFi 5 GHz + WWAN module: LTE function

30 MHz ~ 1 GHz:



Above 1 GHz:

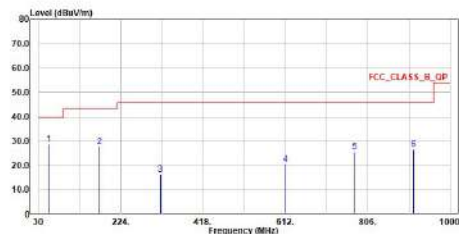


**Mode 2: Transmit - power by 802.3at PoE**

1. WiFi 2.4 GHz + WiFi 5 GHz + WWAN module: WCDMA function

30 MHz ~ 1 GHz:

Site :HC-C004  
Condition :3m Horizontal  
Mode :IF\_WiFi\_2.4G-WiFi\_5G-WCDMA\_B5  
Test by :iScott

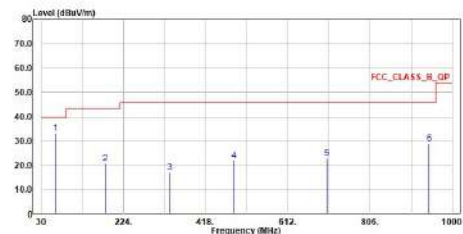


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 53.571    | 28.60  | 40.00  | -11.40 | 31.29 | -2.69  | QP     |
| 2   | 174.142   | 27.72  | 43.50  | -15.78 | 31.41 | -3.69  | QP     |
| 3   | 317.120   | 16.32  | 46.00  | -29.68 | 18.24 | -1.92  | QP     |
| 4   | 612.097   | 20.42  | 46.00  | -25.58 | 15.20 | 5.22   | QP     |
| 5   | 774.863   | 25.57  | 46.00  | -20.43 | 17.75 | 7.82   | QP     |
| 6   | 912.797   | 26.47  | 46.00  | -19.53 | 17.14 | 9.33   | QP     |

## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-C004  
Condition :3m Vertical  
Mode :IF\_WiFi\_2.4G-WiFi\_5G-WCDMA\_B5  
Test by :iScott



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | Limit  | Level | dB     |        |
| 1   | 62.689    | 33.32  | 40.00  | -6.68  | 36.69 | -3.37  | QP     |
| 2   | 181.611   | 20.96  | 43.50  | -22.54 | 25.56 | -4.60  | QP     |
| 3   | 332.834   | 17.11  | 46.00  | -28.89 | 18.54 | -1.43  | QP     |
| 4   | 480.957   | 21.91  | 46.00  | -24.09 | 19.67 | 2.24   | QP     |
| 5   | 782.986   | 23.02  | 46.00  | -22.98 | 16.45 | 6.57   | QP     |
| 6   | 944.225   | 26.94  | 46.00  | -19.06 | 19.87 | 9.87   | QP     |

## Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

## 2. WiFi 2.4 GHz + WiFi 5 GHz + WWAN module: LTE function 30 MHz ~ 1 GHz:

