

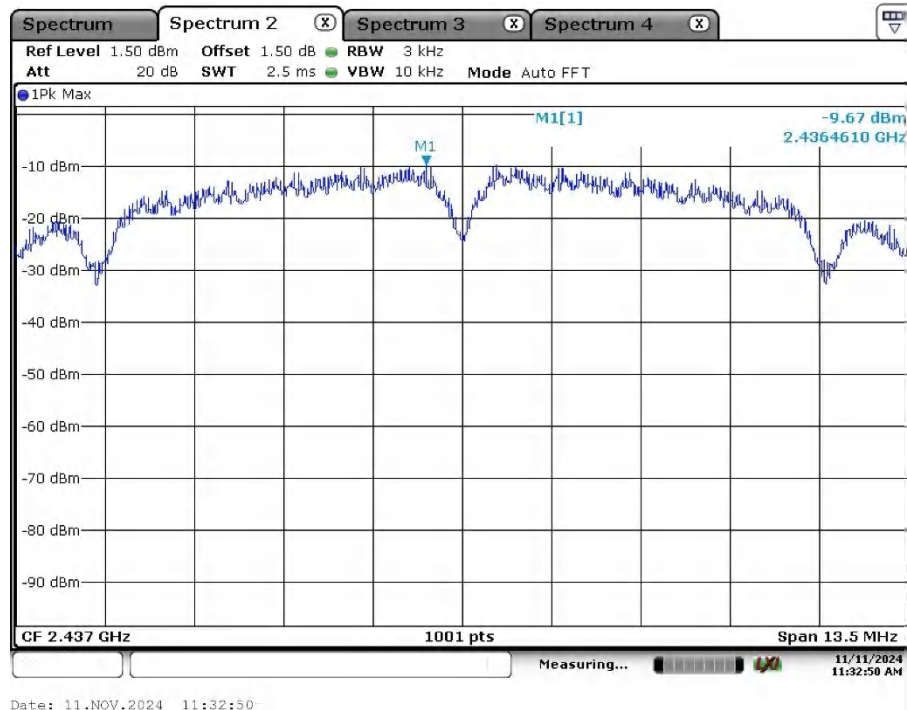
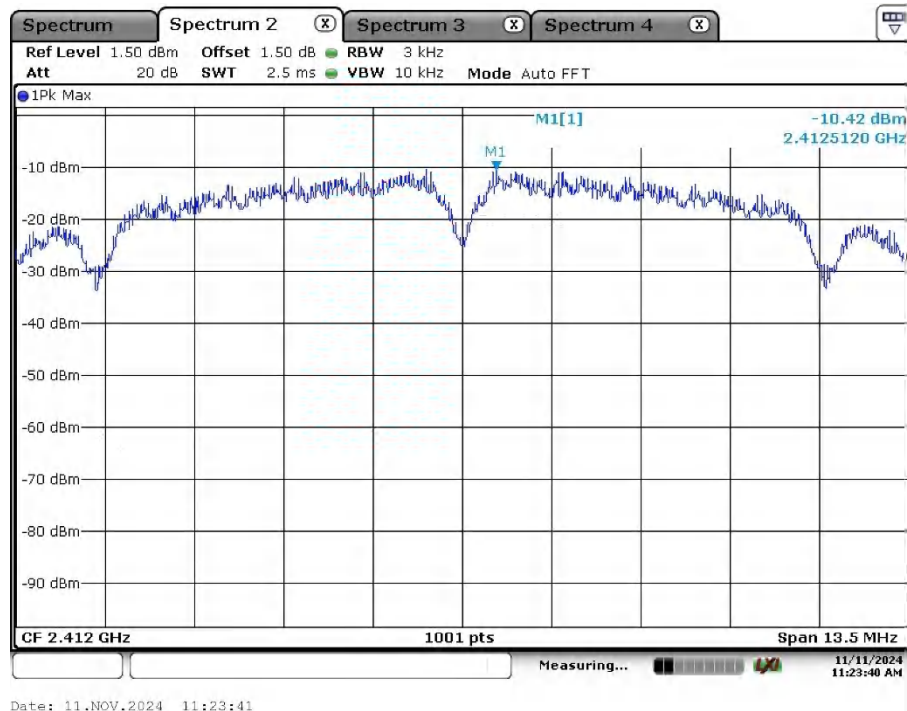
## Appendix B: Test Results of 2.4GHz Wi-Fi

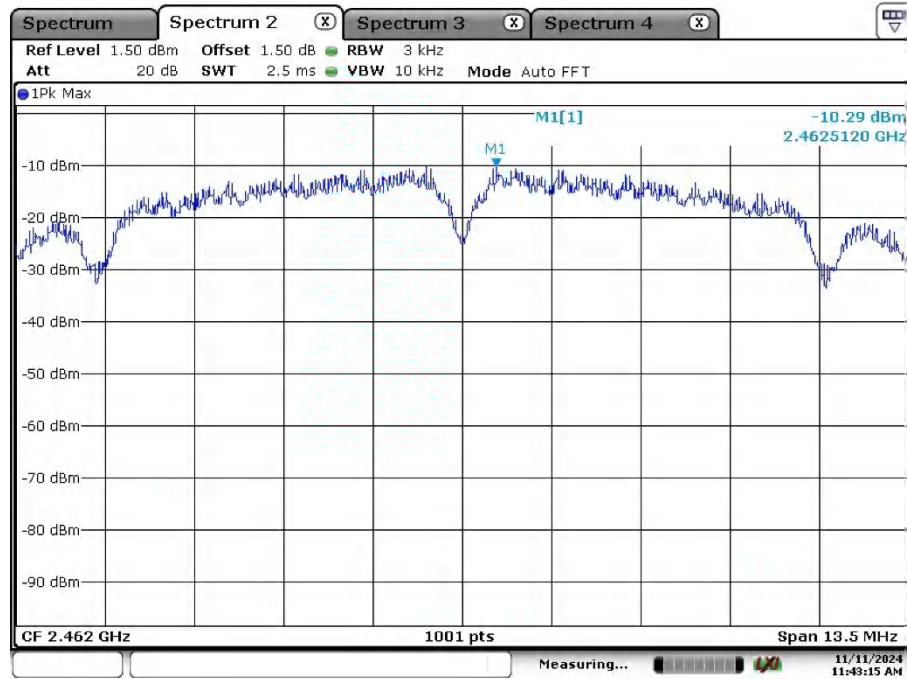
|                                                                                                |    |
|------------------------------------------------------------------------------------------------|----|
| APPENDIX B: TEST RESULTS OF 2.4GHZ WI-FI .....                                                 | 1  |
| APPENDIX B.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY .....                           | 2  |
| Wi-Fi 802.11 b mode .....                                                                      | 2  |
| Wi-Fi 802.11 g mode .....                                                                      | 3  |
| Wi-Fi 802.11 n(HT20) mode .....                                                                | 5  |
| APPENDIX B.2: TEST RESULTS OF 6DB BANDWIDTH .....                                              | 7  |
| Wi-Fi 802.11 b mode .....                                                                      | 7  |
| Wi-Fi 802.11 g mode .....                                                                      | 10 |
| Wi-Fi 802.11 n(HT20) mode .....                                                                | 13 |
| APPENDIX B.3: TEST RESULTS OF 99% BANDWIDTH .....                                              | 16 |
| Wi-Fi 802.11 b mode .....                                                                      | 16 |
| Wi-Fi 802.11 g mode .....                                                                      | 19 |
| Wi-Fi 802.11 n(HT20) mode .....                                                                | 22 |
| APPENDIX B.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH ..... | 25 |
| Wi-Fi 802.11 b mode, Band Edge .....                                                           | 25 |
| Wi-Fi 802.11 g mode, Band Edge .....                                                           | 26 |
| Wi-Fi 802.11 n(HT20) mode, Band Edge .....                                                     | 27 |
| Wi-Fi 802.11 b mode, Conducted Spurious Emission .....                                         | 28 |
| Wi-Fi 802.11 g mode, Conducted Spurious Emission .....                                         | 31 |
| Wi-Fi 802.11 n(HT20) mode, Conducted Spurious Emission .....                                   | 34 |
| APPENDIX B.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS .....                                | 37 |
| 30MHz - 1GHz (Worst case) .....                                                                | 37 |
| 1GHz - 18GHz .....                                                                             | 39 |
| APPENDIX B.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS .....                     | 59 |
| Wi-Fi 802.11 b mode .....                                                                      | 59 |
| Wi-Fi 802.11 g mode .....                                                                      | 63 |
| Wi-Fi 802.11 n(HT20) mode .....                                                                | 67 |

## Appendix B.1: Test Results of Conducted Power Spectral Density

### Wi-Fi 802.11 b mode

|     | Channel | Test Result | Limit | Remark |
|-----|---------|-------------|-------|--------|
| 11b | 2412    | -10.42      | 8 dBm | Pass   |
|     | 2437    | -9.67       |       |        |
|     | 2462    | -10.29      |       |        |

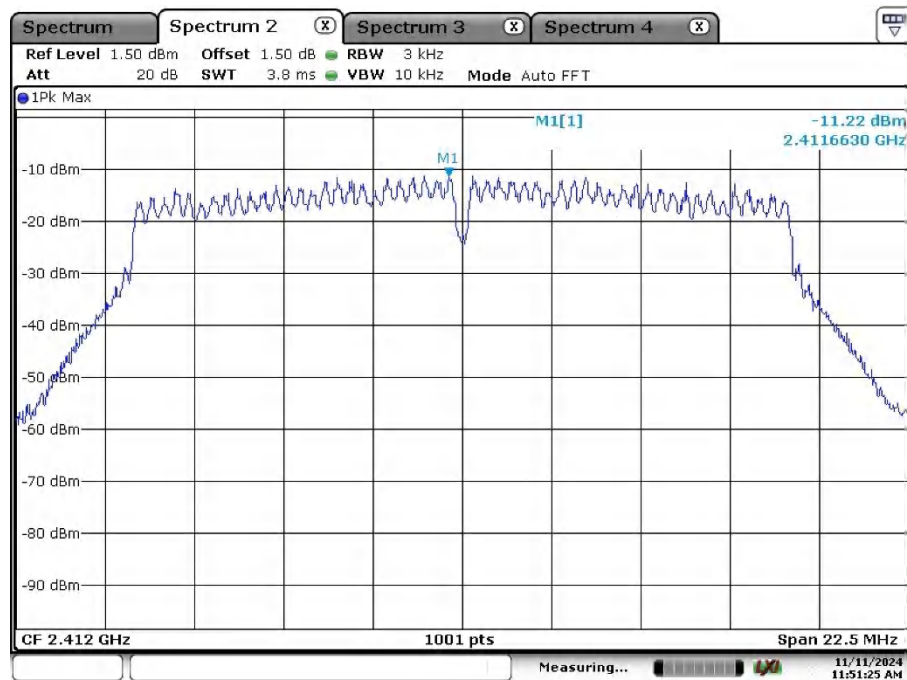




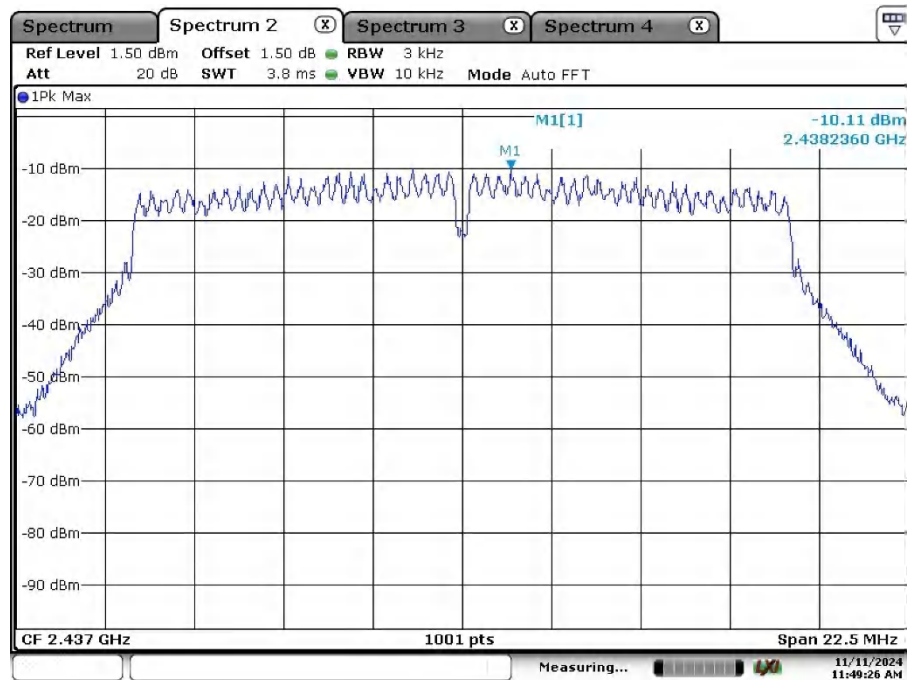
Date: 11.NOV.2024 11:43:14

#### Wi-Fi 802.11 g mode

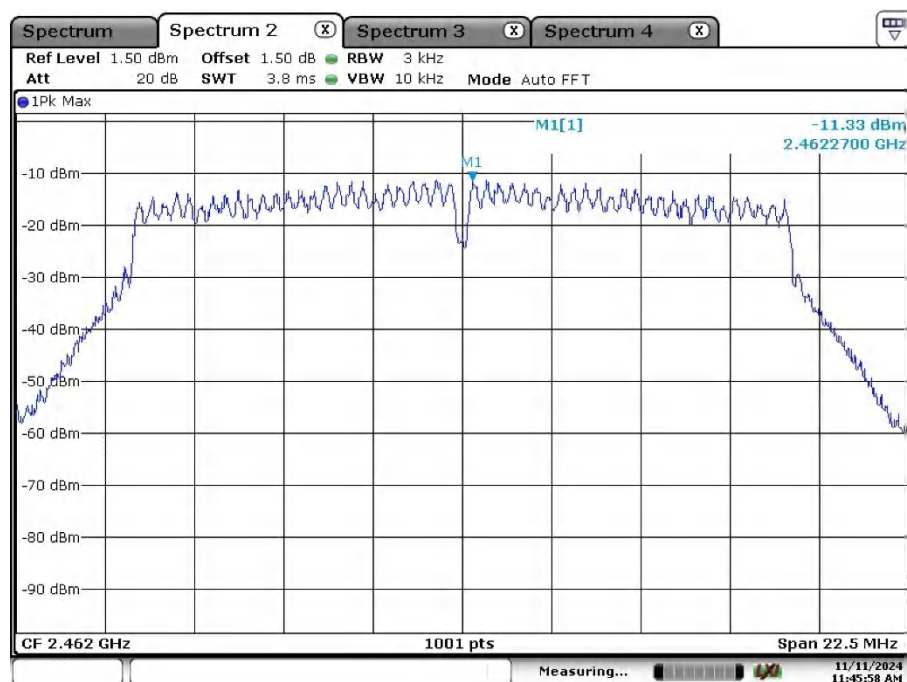
|     | Channel | Test Result | Limit | Remark |
|-----|---------|-------------|-------|--------|
| 11g | 2412    | -11.22      | 8 dBm | Pass   |
|     | 2437    | -10.11      |       |        |
|     | 2462    | -11.33      |       |        |



Date: 11.NOV.2024 11:51:24



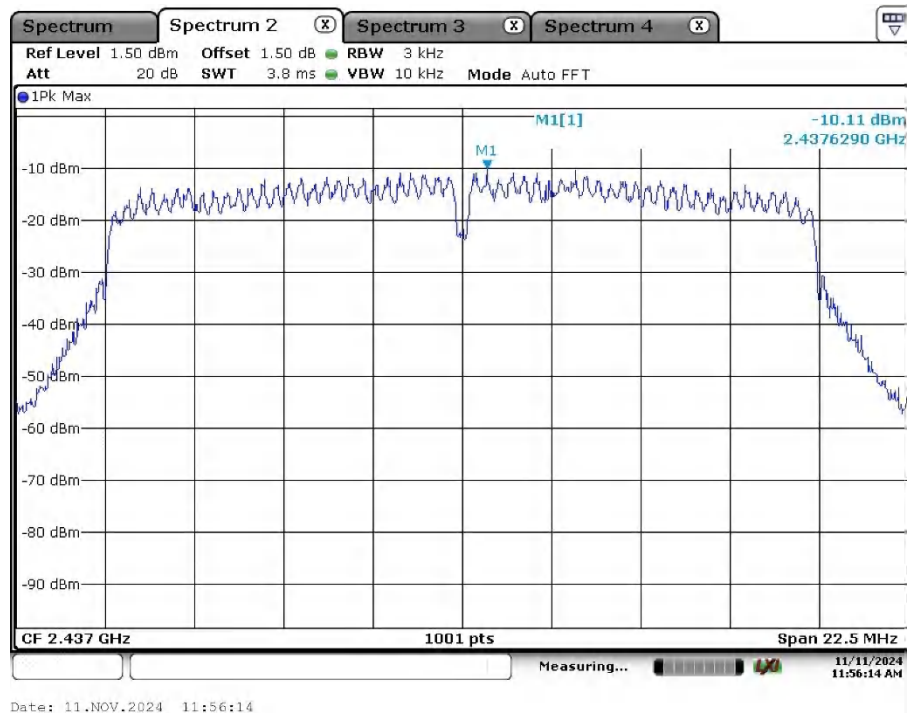
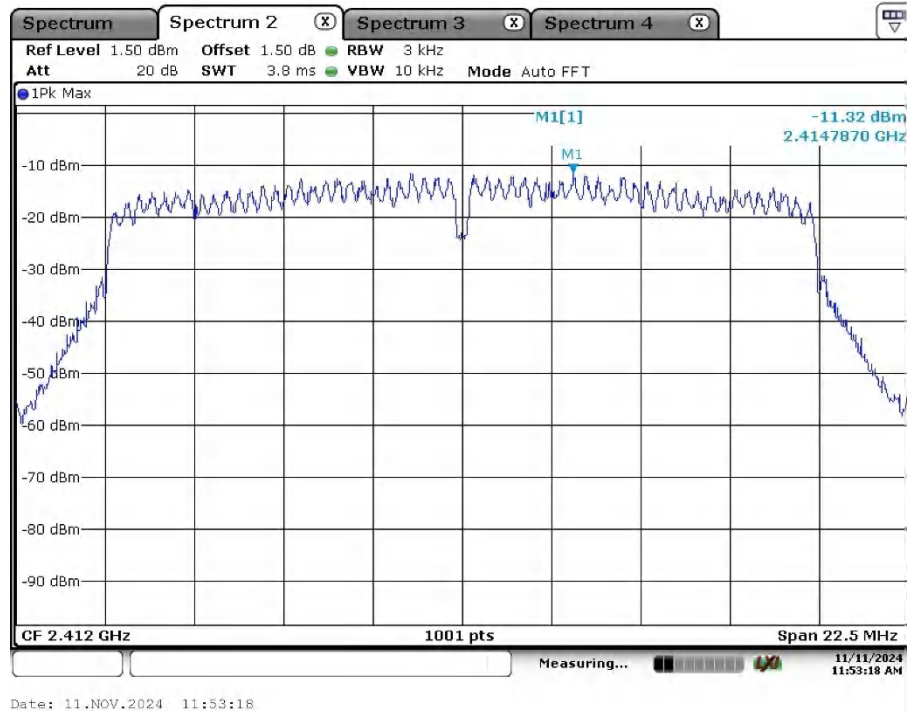
Date: 11.NOV.2024 11:49:26

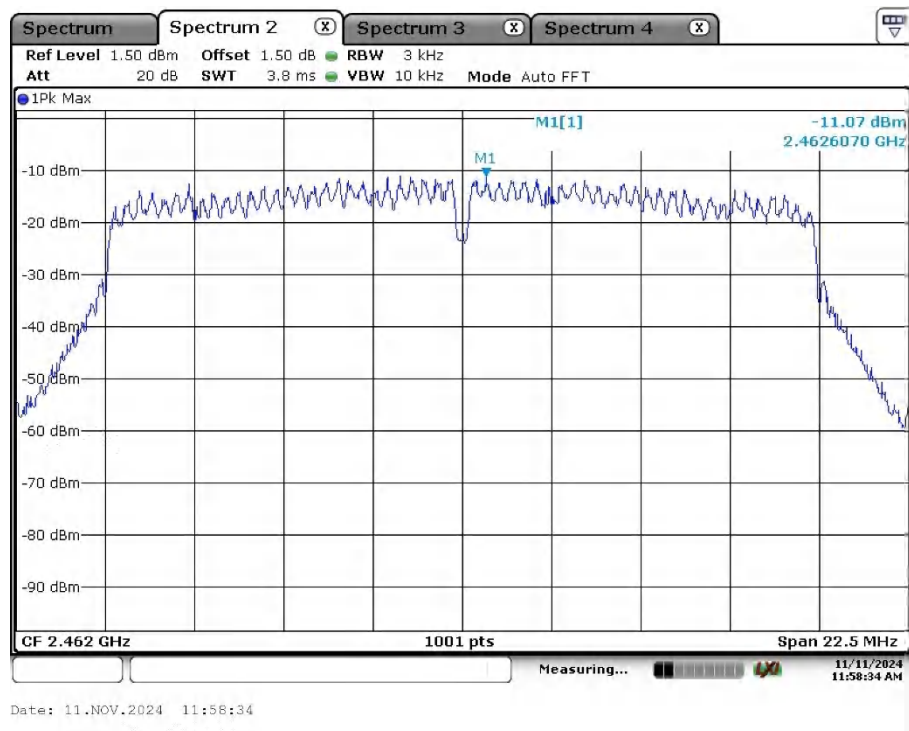


Date: 11.NOV.2024 11:45:57

Wi-Fi 802.11 n(HT20) mode

|           | Channel | Test Result | Limit | Remark |
|-----------|---------|-------------|-------|--------|
| 11n(HT20) | 2412    | -11.32      | 8 dBm | Pass   |
|           | 2437    | -10.11      |       |        |
|           | 2462    | -11.07      |       |        |





## Appendix B.2: Test Results of 6dB Bandwidth

Wi-Fi 802.11 b mode

Minimum Emission Bandwidth 6 dB (2412 MHz; 30.000 dBm; 20 MHz(11b\_20Mhz))

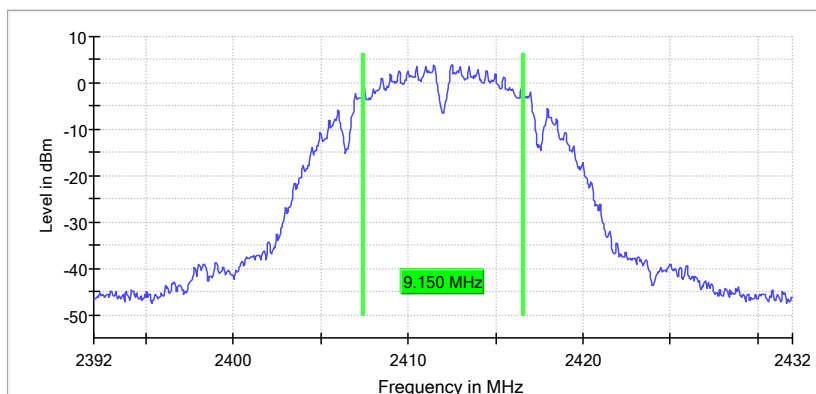
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 9.150000        | 0.500000        | ---             | 2407.425000          | 2416.575000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000         | 4.0             | PASS   |

6 dB Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| SweepTime             | 94.922 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 10 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.34 dB          | 0.50 dB       |

## Minimum Emission Bandwidth 6 dB (2437 MHz; 30.000 dBm; 20 MHz(11b\_20Mhz))

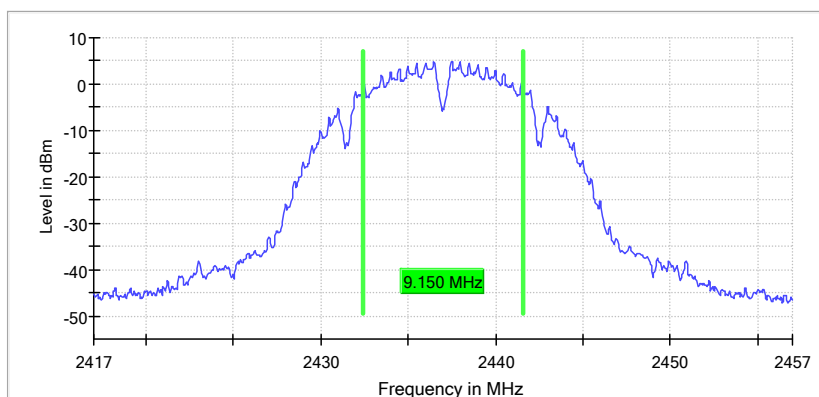
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 9.150000        | 0.500000        | ---             | 2432.425000          | 2441.575000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | 5.0             | PASS   |

6 dB Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz   |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| Sweeptime             | 94.922 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 18 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.41 dB          | 0.50 dB       |

## Minimum Emission Bandwidth 6 dB (2462 MHz; 30.000 dBm; 20 MHz(11b\_20Mhz))

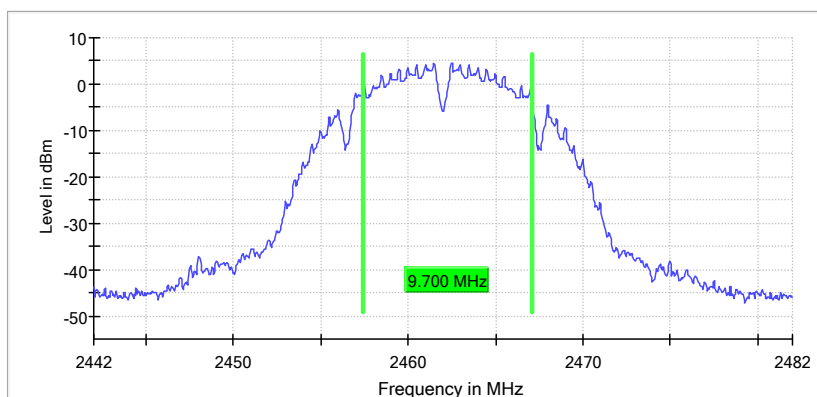
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 9.700000        | 0.500000        | ---             | 2457.375000          | 2467.075000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000         | 4.5             | PASS   |

6 dB Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| Sweeptime             | 94.922 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 18 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.25 dB          | 0.50 dB       |

## Wi-Fi 802.11 g mode

Minimum Emission Bandwidth 6 dB (2412 MHz; 30.000 dBm; 20 MHz(11g\_20Mhz))

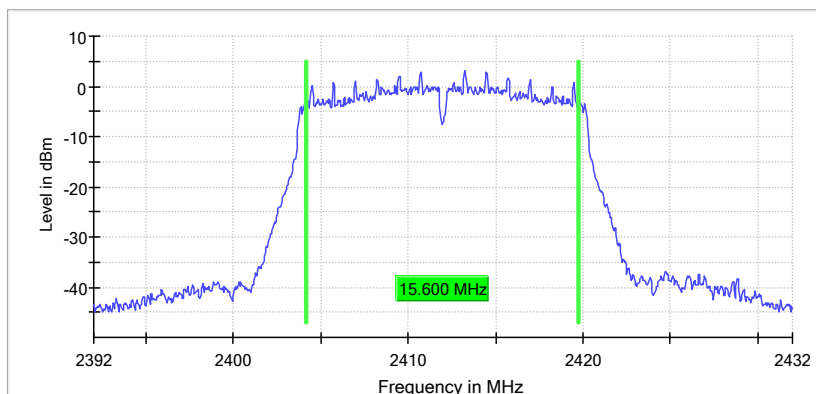
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 15.600000       | 0.500000        | ---             | 2404.175000          | 2419.775000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000         | 3.1             | PASS   |

6 dB Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| Sweeptime             | 94.922 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 39 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.27 dB          | 0.50 dB       |

## Minimum Emission Bandwidth 6 dB (2437 MHz; 30.000 dBm; 20 MHz(11g\_20Mhz))

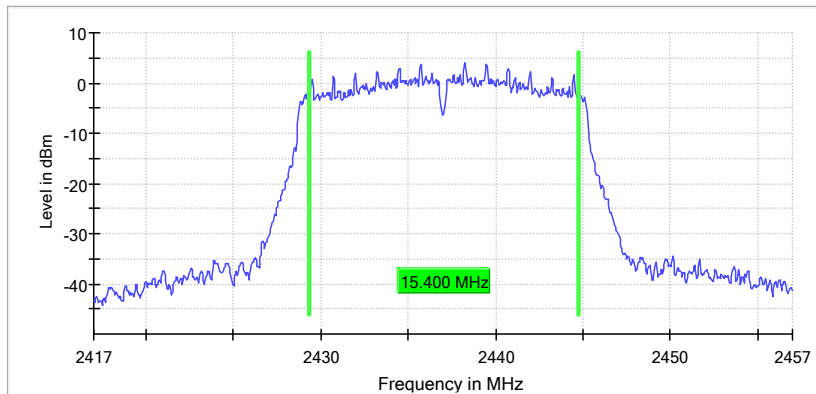
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 15.400000       | 0.500000        | ---             | 2429.375000          | 2444.775000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | 4.0             | PASS   |

6 dB Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz   |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| Sweptime              | 94.922 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 54 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.31 dB          | 0.50 dB       |

## Minimum Emission Bandwidth 6 dB (2462 MHz; 30.000 dBm; 20 MHz(11g\_20Mhz))

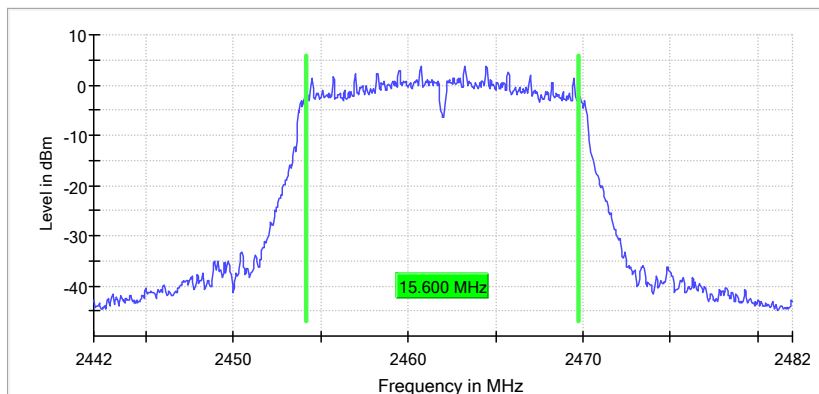
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 15.600000       | 0.500000        | ---             | 2454.175000          | 2469.775000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000         | 3.8             | PASS   |

6 dB Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| Sweptime              | 94.922 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 64 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.02 dB          | 0.50 dB       |

## Wi-Fi 802.11 n(HT20) mode

Minimum Emission Bandwidth 6 dB (2412 MHz; 30.000 dBm; 20 MHz(11n\_20Mhz))

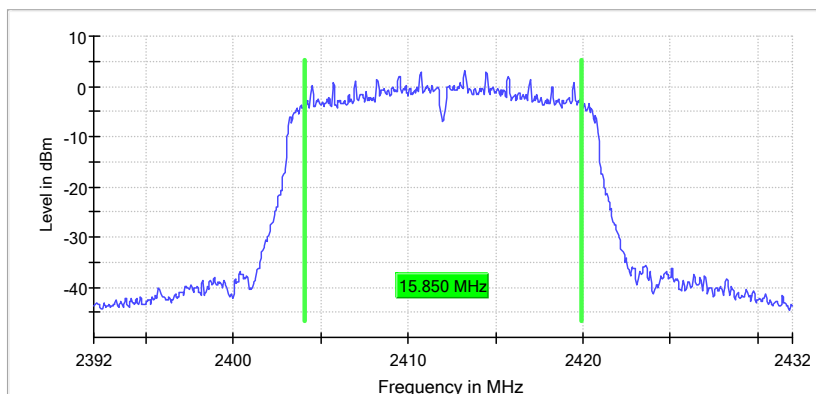
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 15.850000       | 0.500000        | ---             | 2404.075000          | 2419.925000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2412.000000         | 3.1             | PASS   |

6 dB Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| Sweeptime             | 94.922 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| Sweeptype             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 85 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.29 dB          | 0.50 dB       |

## Minimum Emission Bandwidth 6 dB (2437 MHz; 30.000 dBm; 20 MHz(11n\_20Mhz))

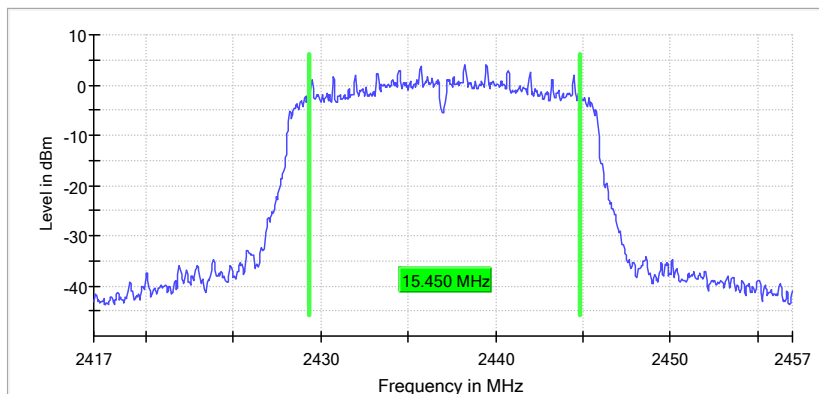
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 15.450000       | 0.500000        | ---             | 2429.375000          | 2444.825000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2437.000000         | 4.1             | PASS   |

6 dB Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz   |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| Sweeptime             | 94.922 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 57 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.50 dB          | 0.50 dB       |

## Minimum Emission Bandwidth 6 dB (2462 MHz; 30.000 dBm; 20 MHz(11n\_20Mhz))

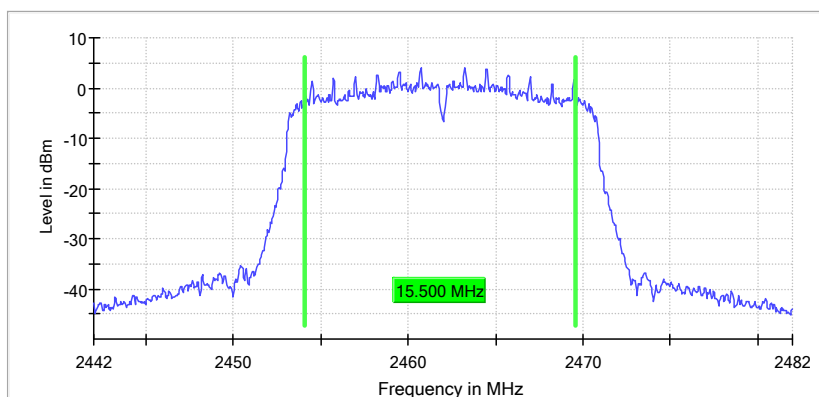
### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 15.500000       | 0.500000        | ---             | 2454.075000          | 2469.575000           |

(continuation of the "6 dB Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Max Level (dBm) | Result |
|---------------------|-----------------|--------|
| 2462.000000         | 4.1             | PASS   |

6 dB Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| Sweptime              | 94.922 µs        | AUTO          |
| Reference Level       | 10.000 dBm       | 10.000 dBm    |
| Attenuation           | 30.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 66 / max. 150    | max. 150      |
| Stable                | 5 / 5            | 5             |
| Max Stable Difference | 0.20 dB          | 0.50 dB       |

## Appendix B.3: Test Results of 99% Bandwidth

Wi-Fi 802.11 b mode

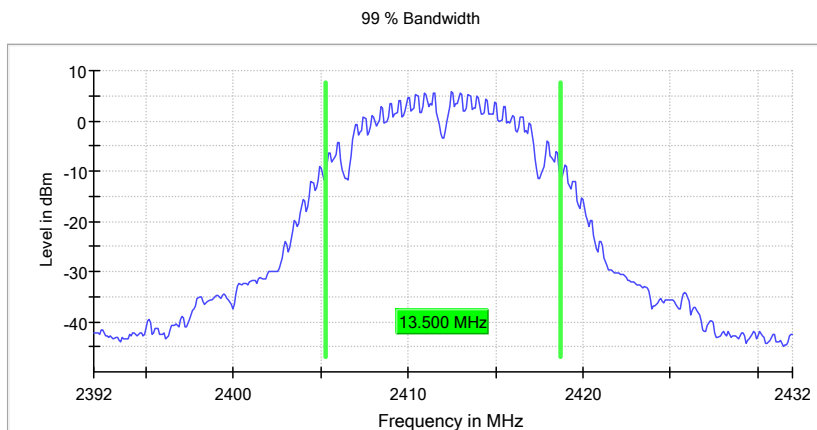
Occupied Channel Bandwidth 99% (2412 MHz; 30.000 dBm; 20 MHz(11b\_20Mhz))

### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 13.500000       | ---             | ---             | 2405.250000          | 2418.750000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |



### Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz    |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz    |
| Span                  | 40.000 MHz       | 40.000 MHz     |
| RBW                   | 200.000 kHz      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| SweepTime             | 47.266 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.30 dB          | 0.30 dB        |
| Run                   | 9 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.03 dB          | 0.30 dB        |

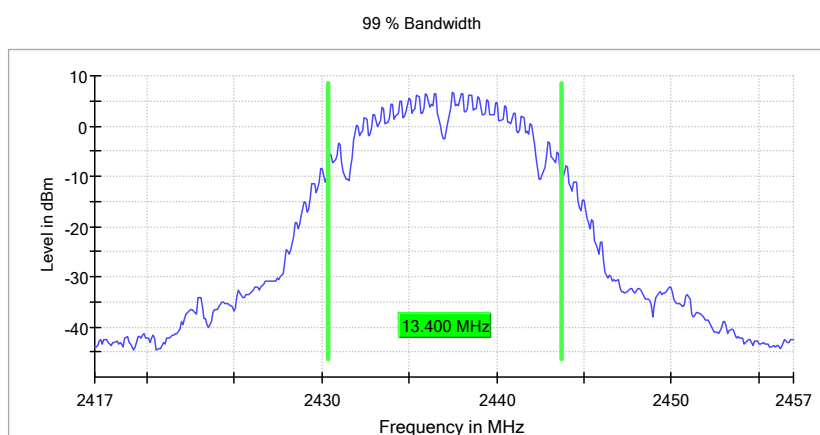
## Occupied Channel Bandwidth 99% (2437 MHz; 30.000 dBm; 20 MHz(11b\_20Mhz))

### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 13.400000       | ---             | ---             | 2430.350000          | 2443.750000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |



### Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz    |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz    |
| Span                  | 40.000 MHz       | 40.000 MHz     |
| RBW                   | 200.000 kHz      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| Sweeptime             | 47.266 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| Sweeptype             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.30 dB          | 0.30 dB        |
| Run                   | 8 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.15 dB          | 0.30 dB        |

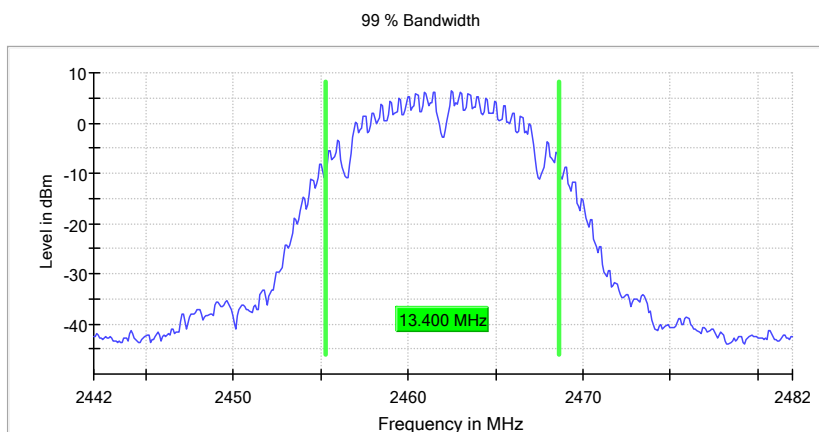
## Occupied Channel Bandwidth 99% (2462 MHz; 30.000 dBm; 20 MHz(11b\_20Mhz))

### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 13.400000       | ---             | ---             | 2455.250000          | 2468.650000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |



### Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz    |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz    |
| Span                  | 40.000 MHz       | 40.000 MHz     |
| RBW                   | 200.000 kHz      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| Sweeptime             | 47.266 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| Sweeptype             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.30 dB          | 0.30 dB        |
| Run                   | 7 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.11 dB          | 0.30 dB        |

## Wi-Fi 802.11 g mode

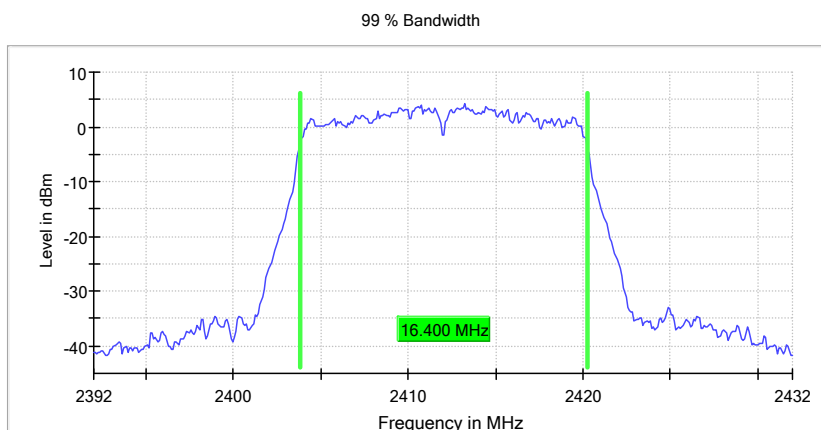
Occupied Channel Bandwidth 99% (2412 MHz; 30.000 dBm; 20 MHz(11g\_20Mhz))

### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 16.400000       | ---             | ---             | 2403.850000          | 2420.250000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |



### Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz    |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz    |
| Span                  | 40.000 MHz       | 40.000 MHz     |
| RBW                   | 200.000 kHz      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| Sweeptime             | 47.266 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| Sweeptype             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.30 dB          | 0.30 dB        |
| Run                   | 40 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.30 dB        |

## Occupied Channel Bandwidth 99% (2437 MHz; 30.000 dBm; 20 MHz(11g\_20Mhz))

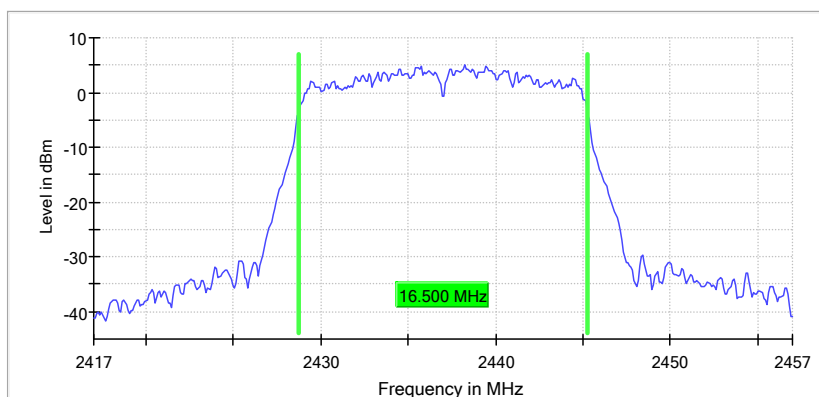
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 16.500000       | ---             | ---             | 2428.750000          | 2445.250000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

99 % Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz    |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz    |
| Span                  | 40.000 MHz       | 40.000 MHz     |
| RBW                   | 200.000 kHz      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| Sweeptime             | 47.266 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.30 dB          | 0.30 dB        |
| Run                   | 26 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.22 dB          | 0.30 dB        |

## Occupied Channel Bandwidth 99% (2462 MHz; 30.000 dBm; 20 MHz(11g\_20Mhz))

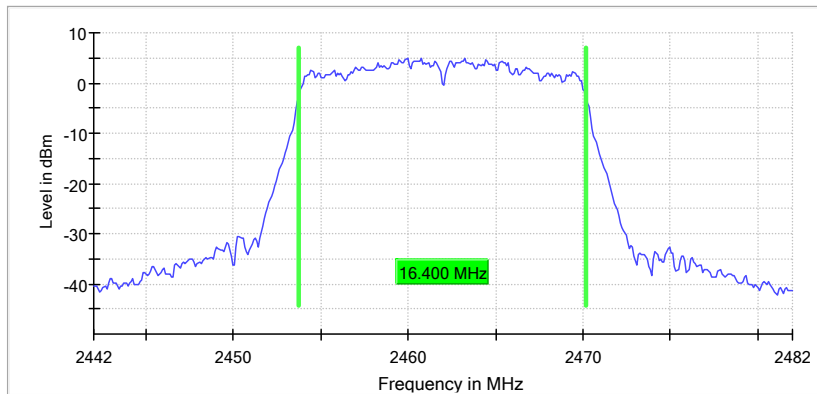
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 16.400000       | ---             | ---             | 2453.750000          | 2470.150000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

99 % Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz    |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz    |
| Span                  | 40.000 MHz       | 40.000 MHz     |
| RBW                   | 200.000 kHz      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| Sweptime              | 47.266 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.30 dB          | 0.30 dB        |
| Run                   | 72 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.09 dB          | 0.30 dB        |

## Wi-Fi 802.11 n(HT20) mode

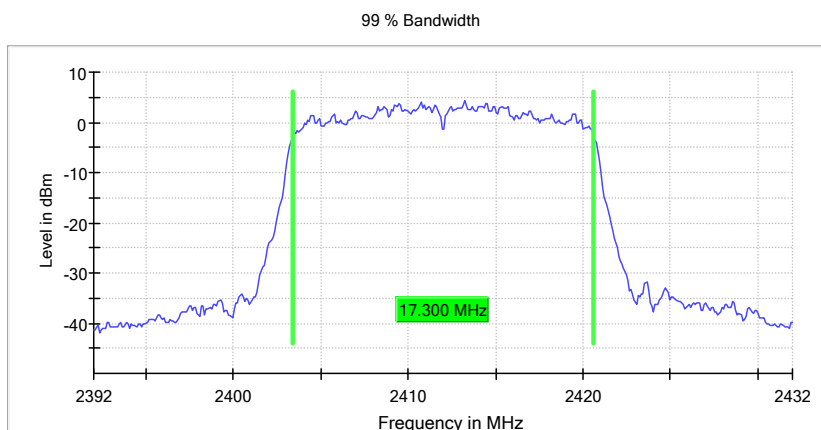
Occupied Channel Bandwidth 99% (2412 MHz; 30.000 dBm; 20 MHz(11n\_20Mhz))

### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2412.000000         | 17.300000       | ---             | ---             | 2403.350000          | 2420.650000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |



### Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz    |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz    |
| Span                  | 40.000 MHz       | 40.000 MHz     |
| RBW                   | 200.000 kHz      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| Sweeptime             | 47.266 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| Sweeptype             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.30 dB          | 0.30 dB        |
| Run                   | 47 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.04 dB          | 0.30 dB        |

## Occupied Channel Bandwidth 99% (2437 MHz; 30.000 dBm; 20 MHz(11n\_20Mhz))

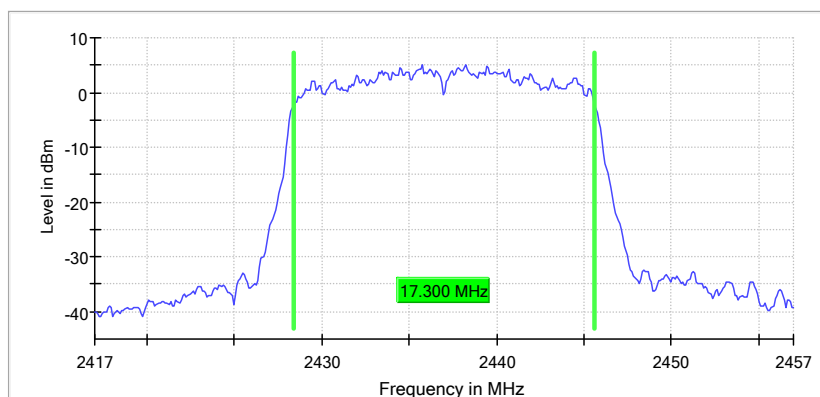
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2437.000000         | 17.300000       | ---             | ---             | 2428.350000          | 2445.650000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

99 % Bandwidth



### Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz    |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz    |
| Span                  | 40.000 MHz       | 40.000 MHz     |
| RBW                   | 200.000 kHz      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| Sweeptime             | 47.266 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| Sweeptype             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.30 dB          | 0.30 dB        |
| Run                   | 48 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.23 dB          | 0.30 dB        |

## Occupied Channel Bandwidth 99% (2462 MHz; 30.000 dBm; 20 MHz(11n\_20Mhz))

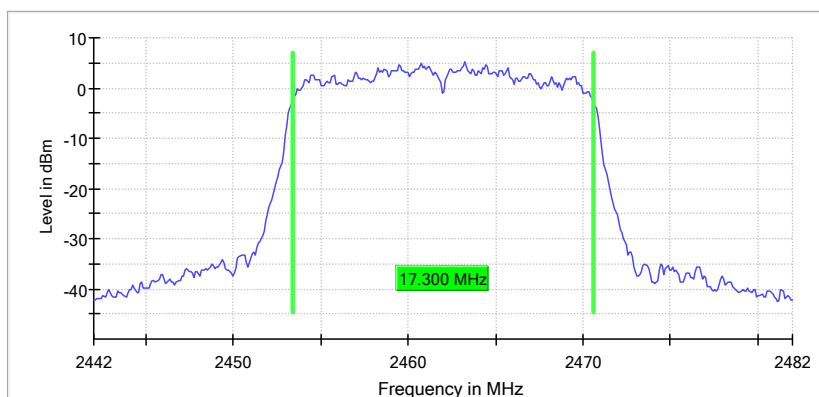
### 99 % Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|
| 2462.000000         | 17.300000       | ---             | ---             | 2453.350000          | 2470.650000           |

(continuation of the "99 % Bandwidth" table from column 6 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

99 % Bandwidth



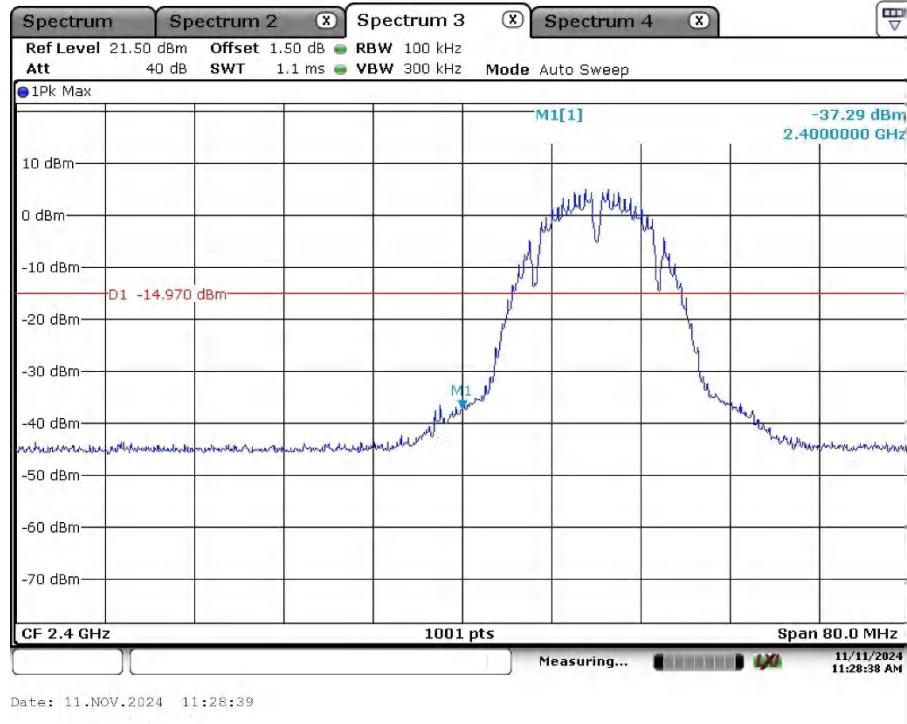
### Measurement

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz    |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz    |
| Span                  | 40.000 MHz       | 40.000 MHz     |
| RBW                   | 200.000 kHz      | >= 200.000 kHz |
| VBW                   | 1.000 MHz        | >= 600.000 kHz |
| SweepPoints           | 400              | ~ 400          |
| Sweptime              | 47.266 µs        | AUTO           |
| Reference Level       | 10.000 dBm       | 10.000 dBm     |
| Attenuation           | 30.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| Sweptype              | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.30 dB          | 0.30 dB        |
| Run                   | 33 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.19 dB          | 0.30 dB        |

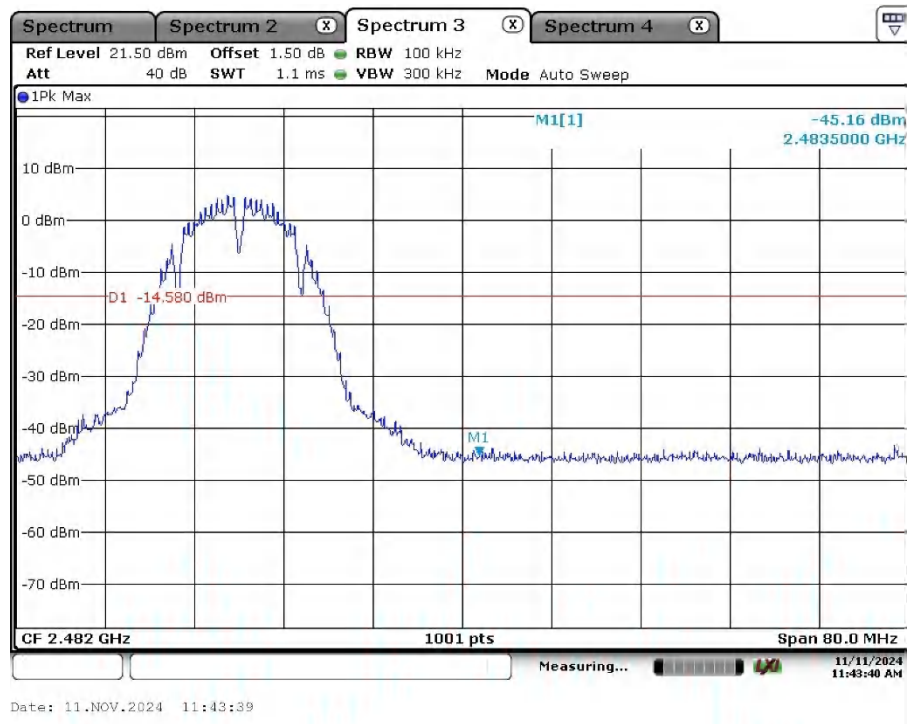
## Appendix B.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

### Wi-Fi 802.11 b mode, Band Edge

Low Channel:

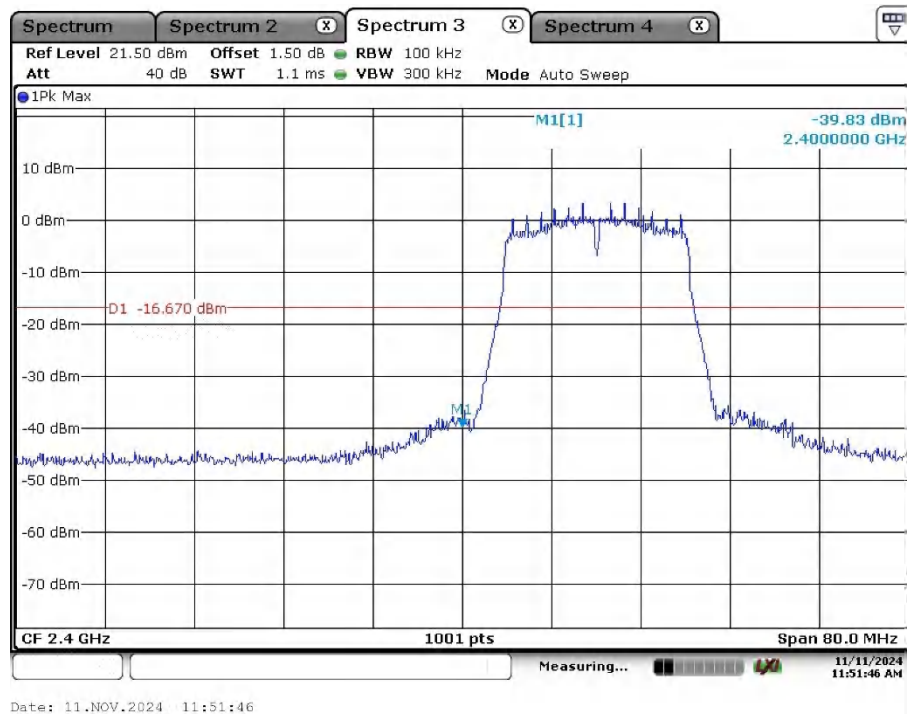


High Channel:

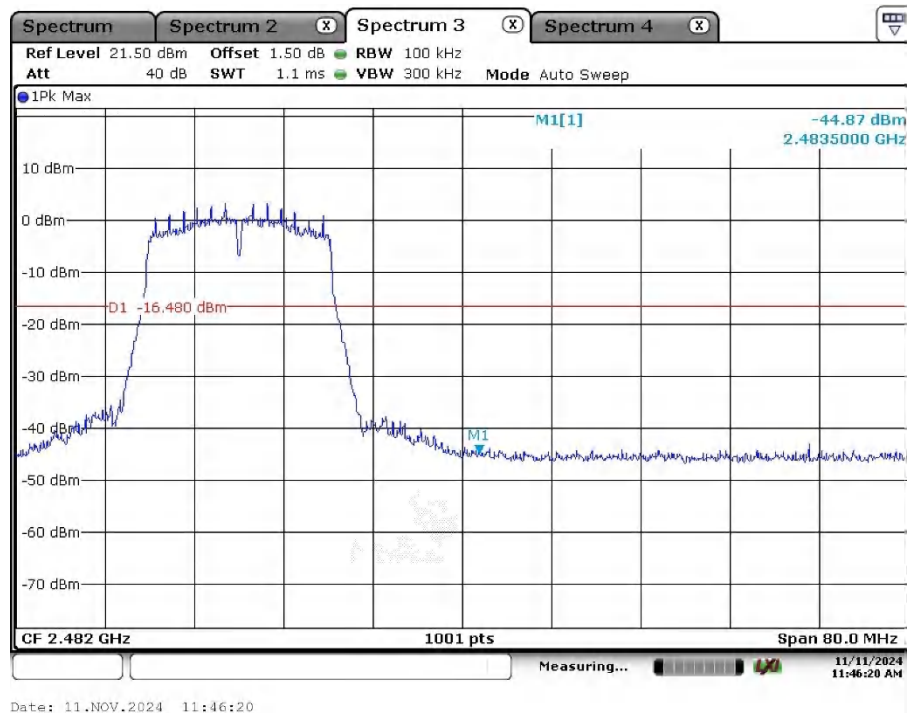


## Wi-Fi 802.11 g mode, Band Edge

Low Channel:

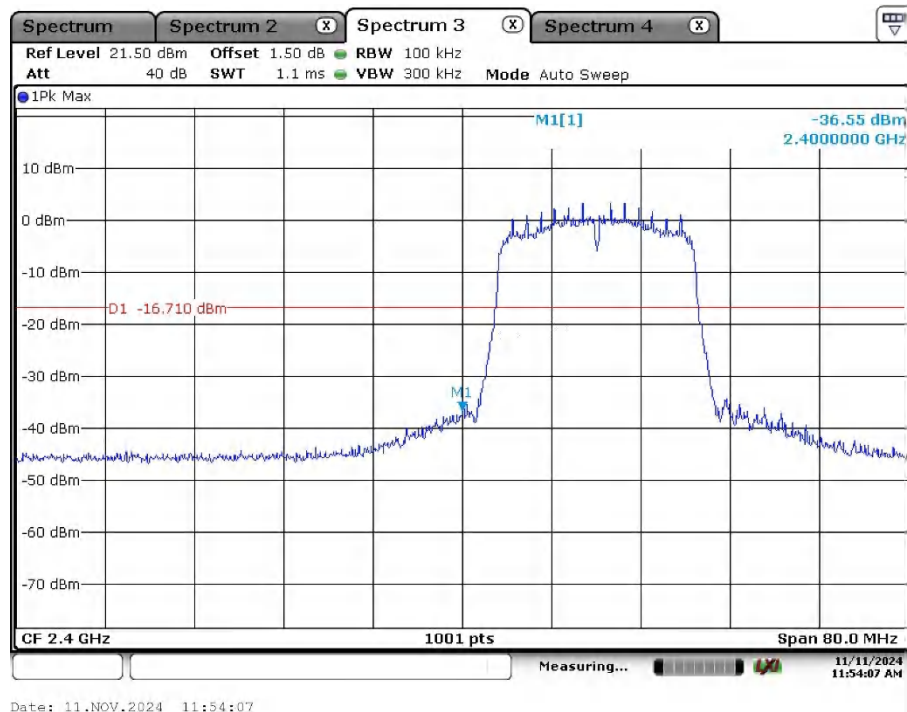


High Channel:

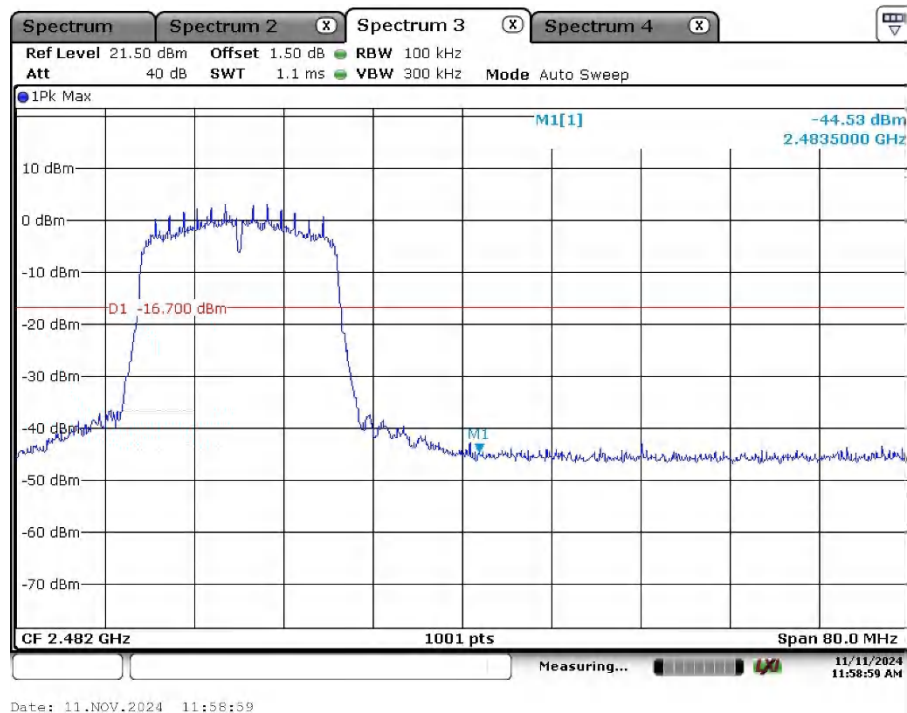


## Wi-Fi 802.11 n(HT20) mode, Band Edge

Low Channel:

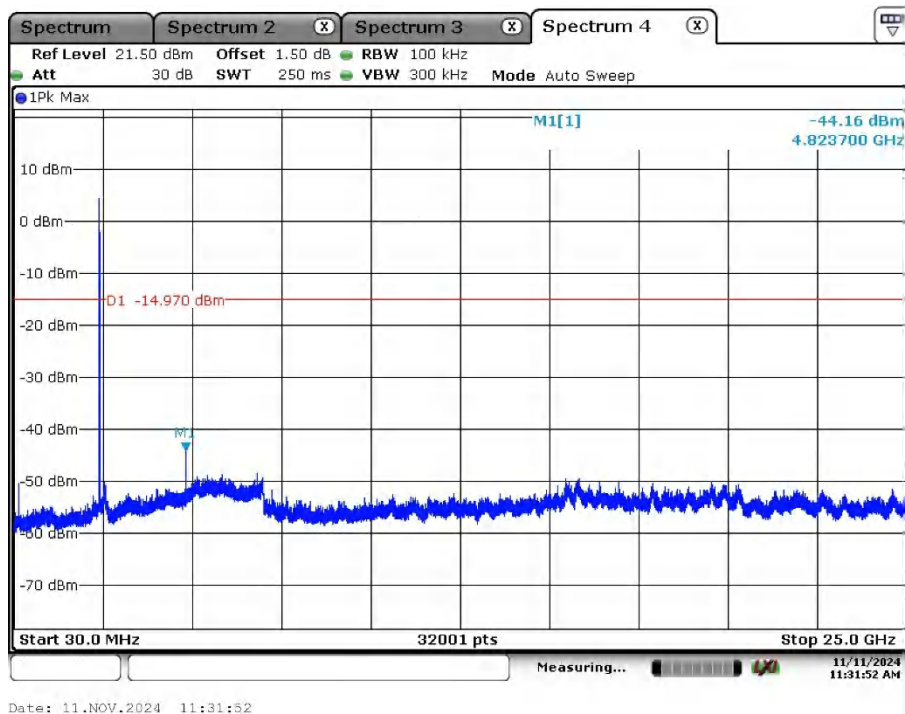
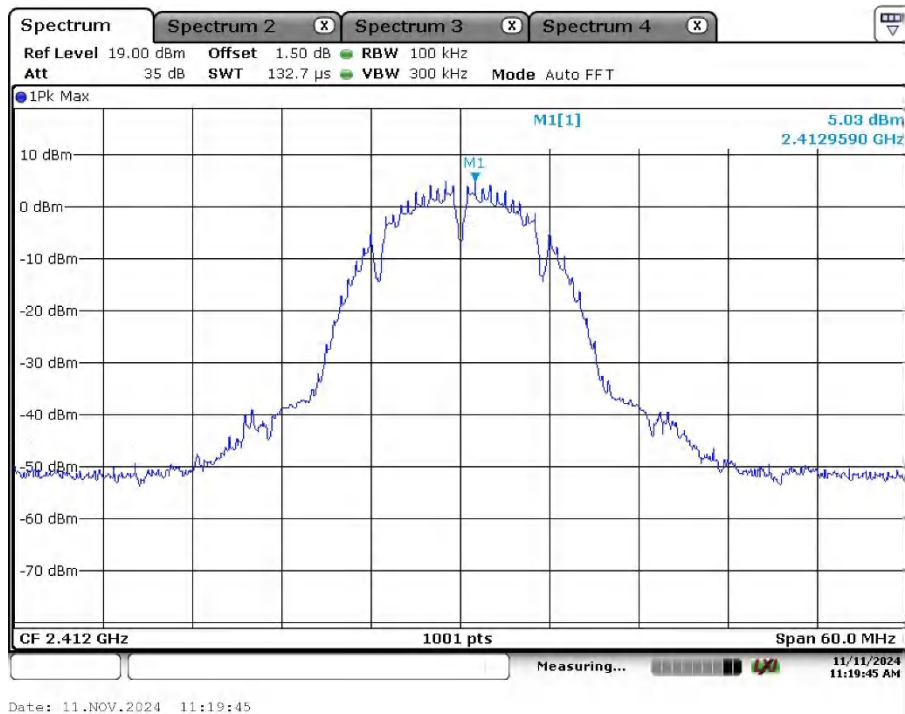


High Channel:

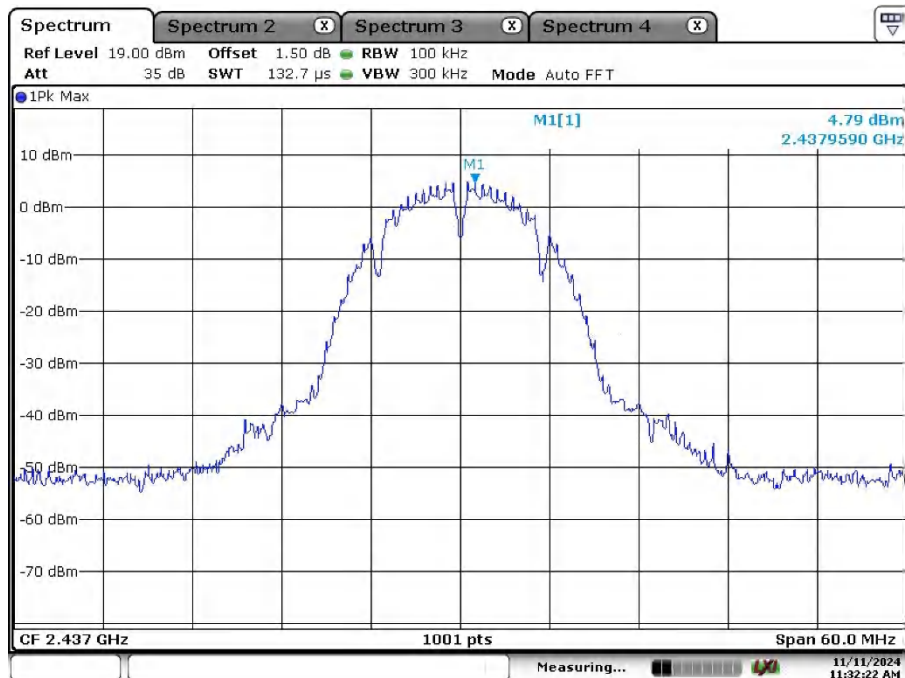


## Wi-Fi 802.11 b mode, Conducted Spurious Emission

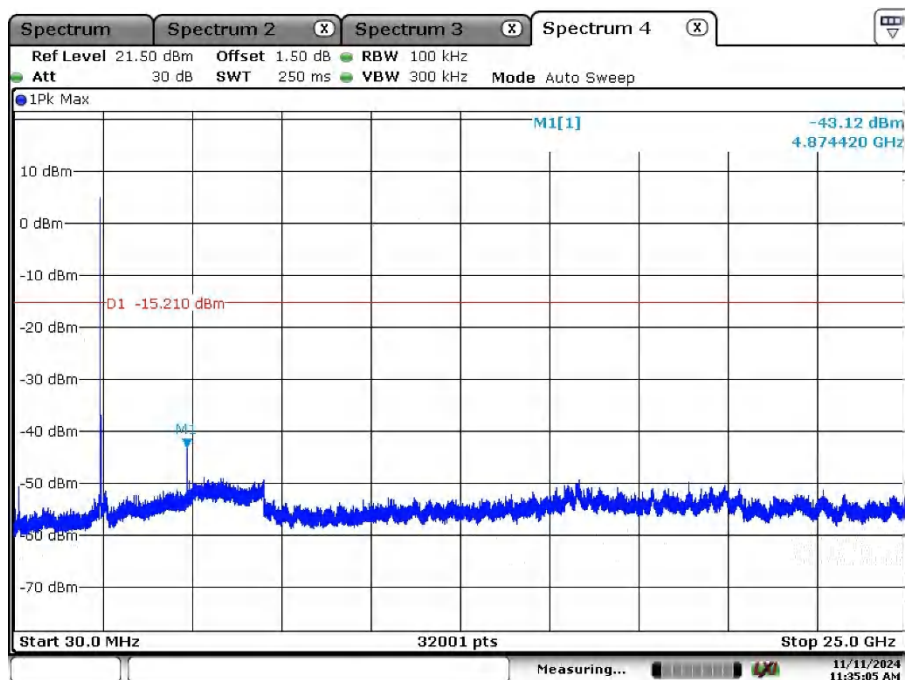
Low Channel:



Middle Channel:

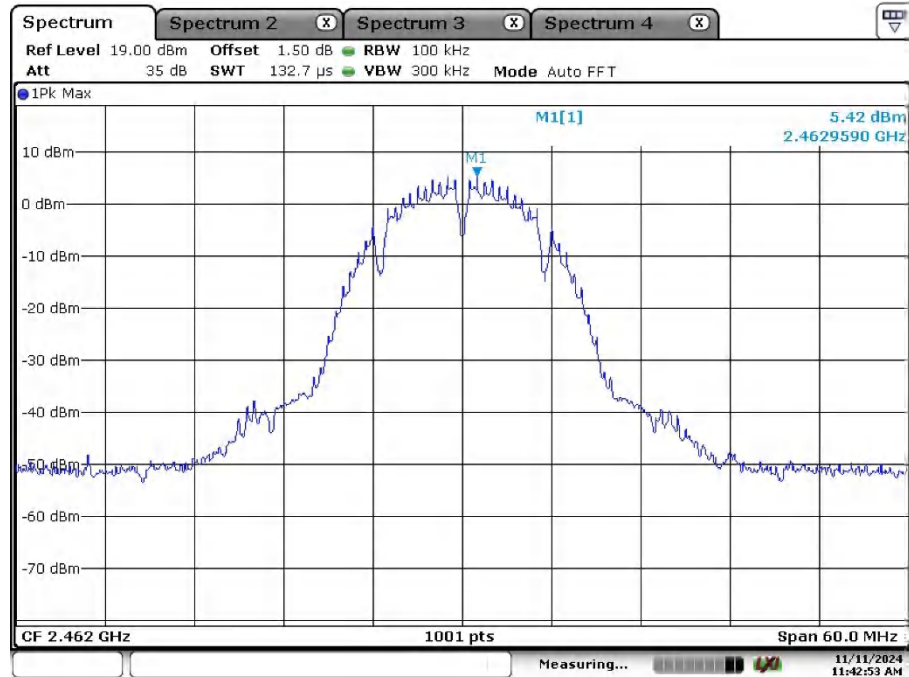


Date: 11.NOV.2024 11:32:22

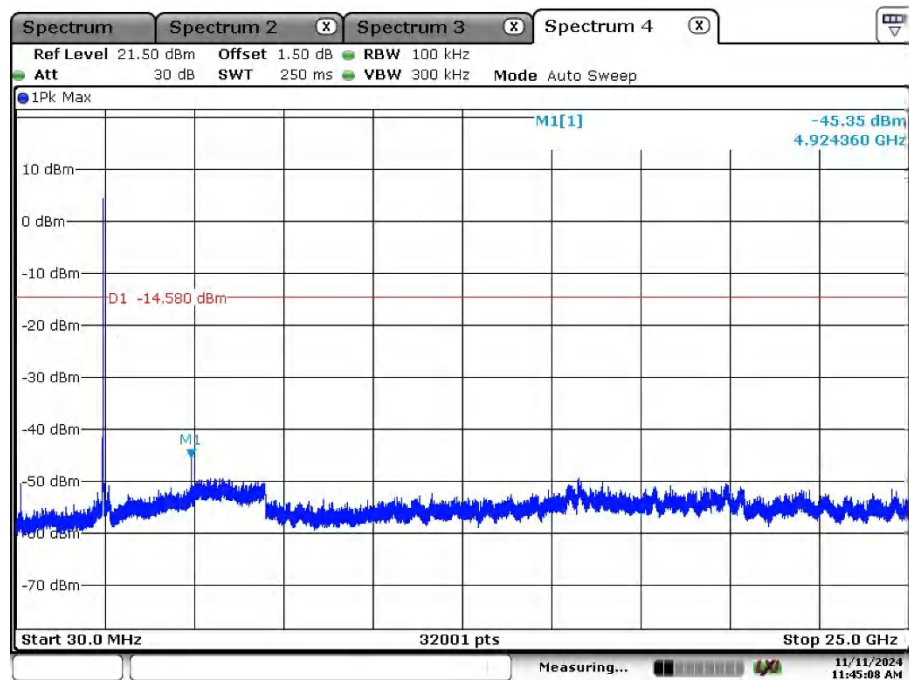


Date: 11.NOV.2024 11:35:05

High Channel:



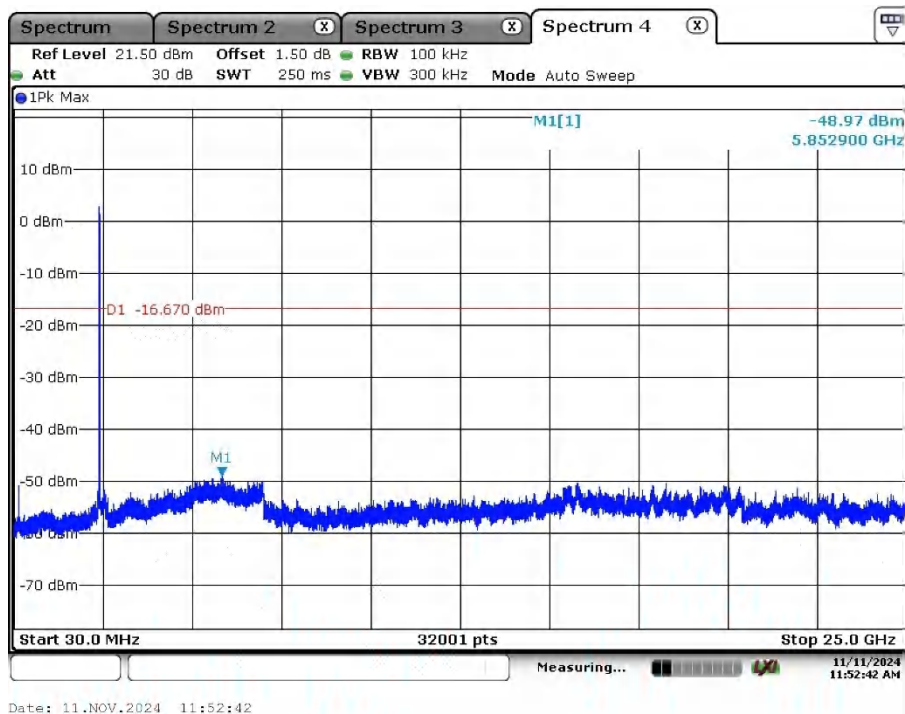
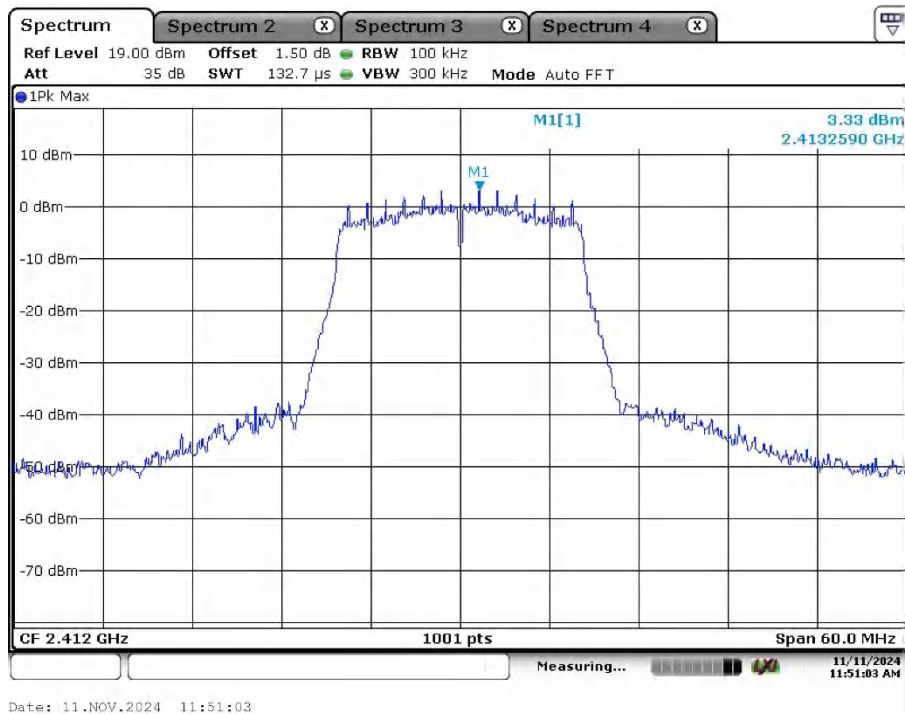
Date: 11.NOV.2024 11:42:52



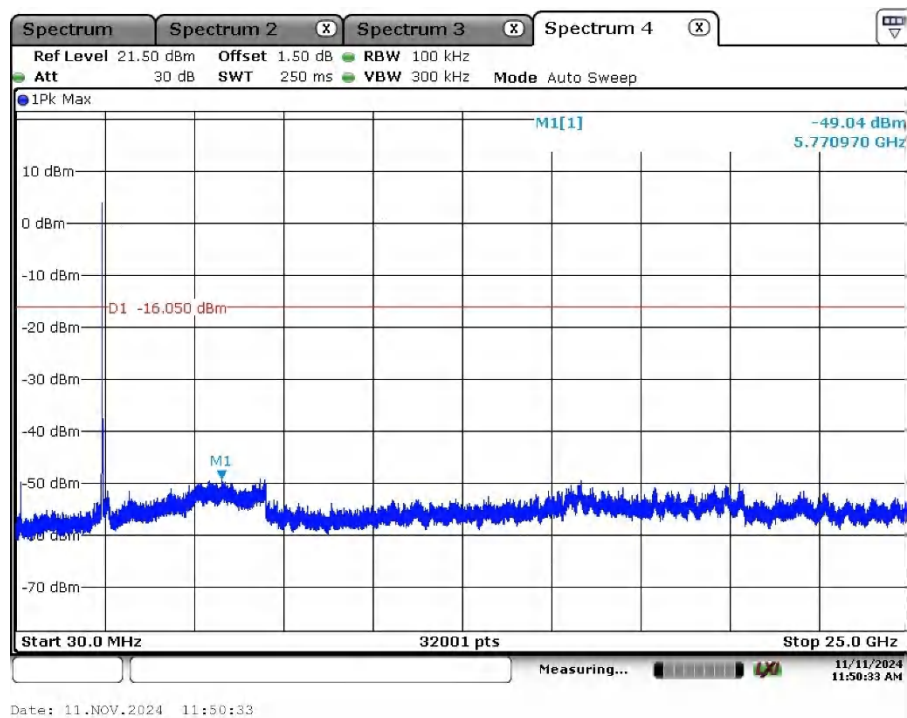
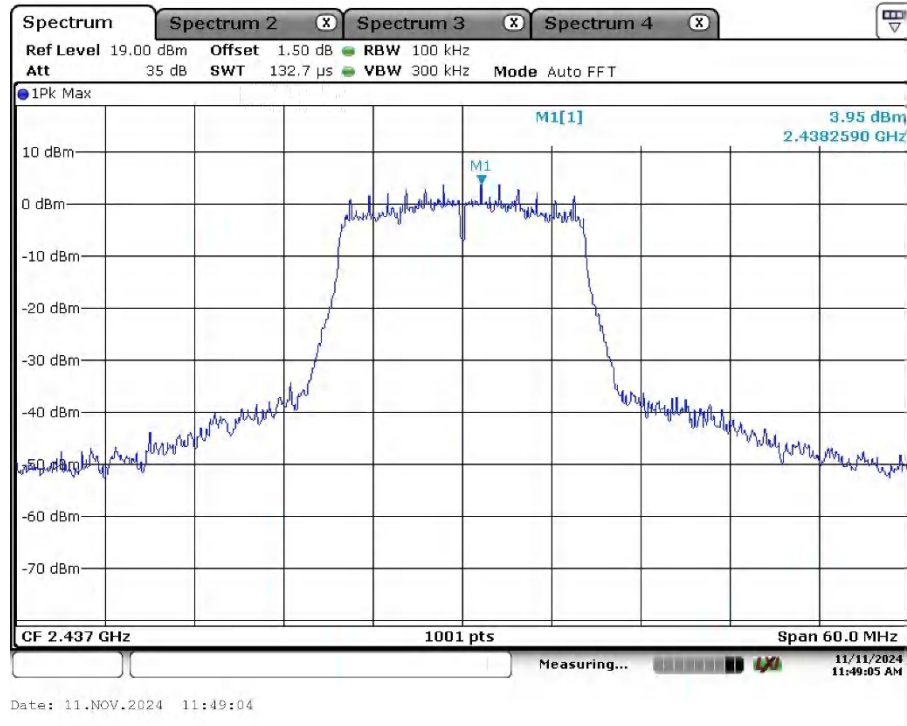
Date: 11.NOV.2024 11:45:08

## Wi-Fi 802.11 g mode, Conducted Spurious Emission

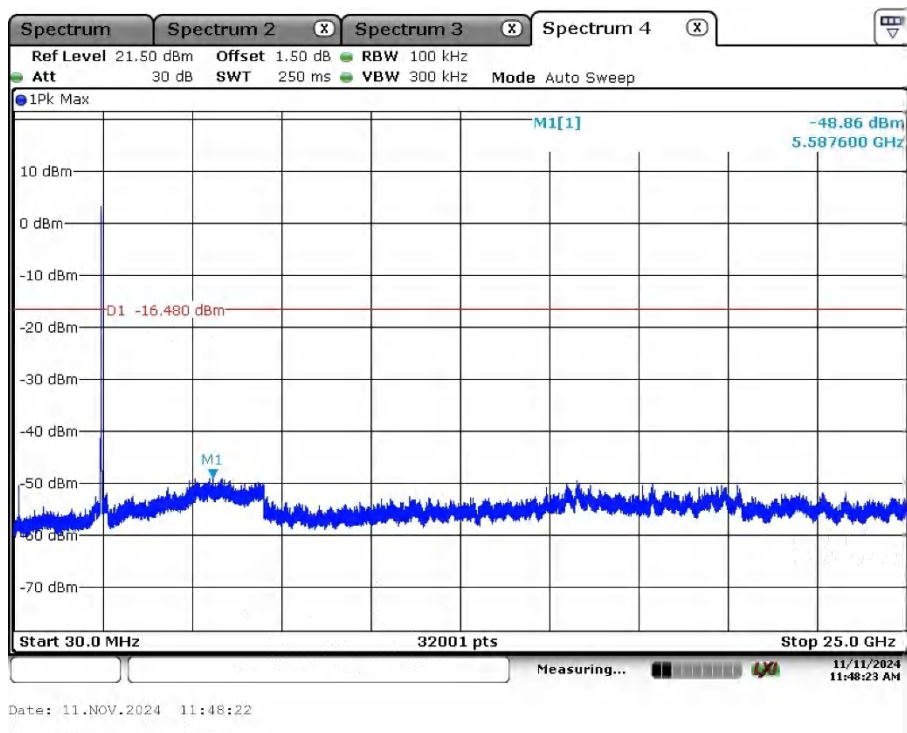
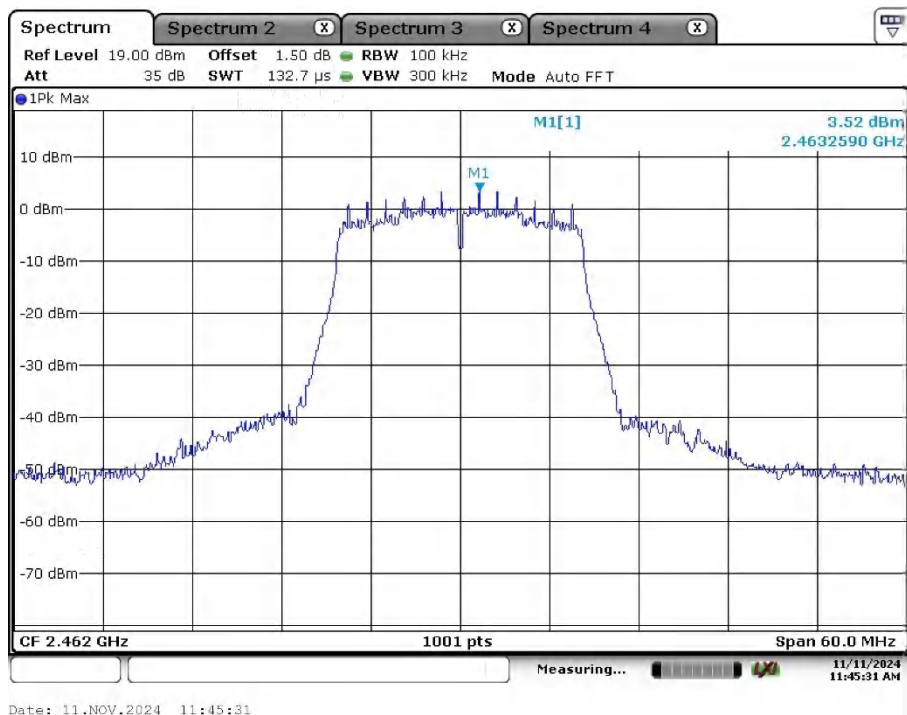
Low Channel:



Middle Channel:

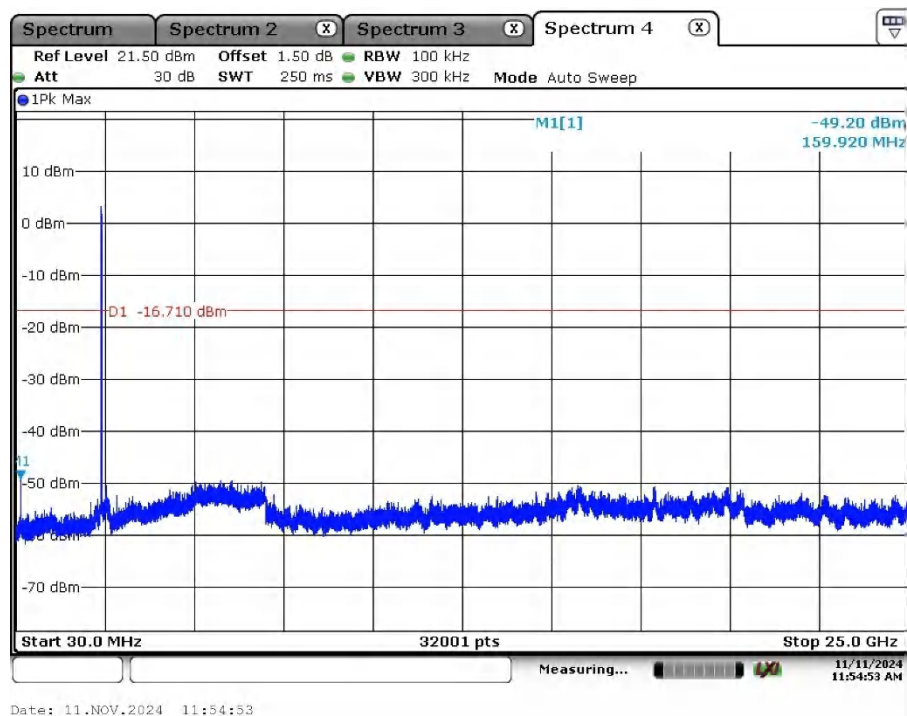
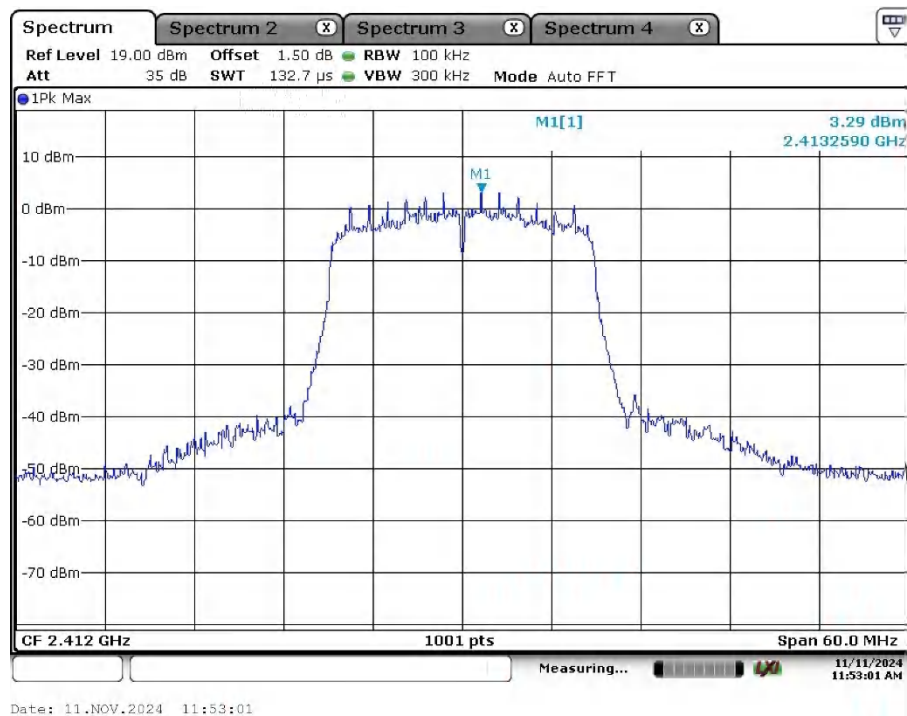


High Channel:

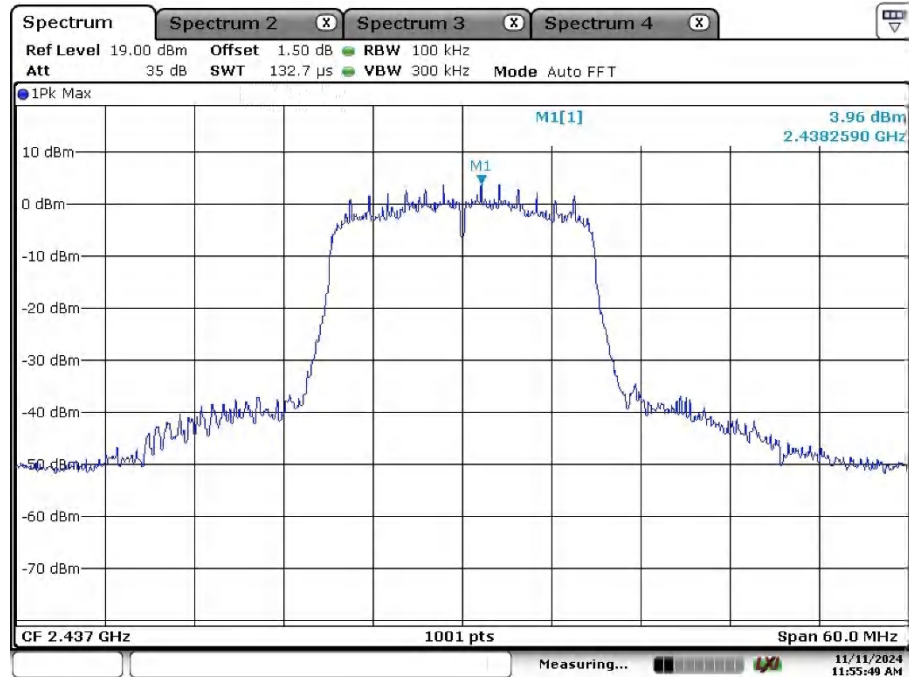


## Wi-Fi 802.11 n(HT20) mode, Conducted Spurious Emission

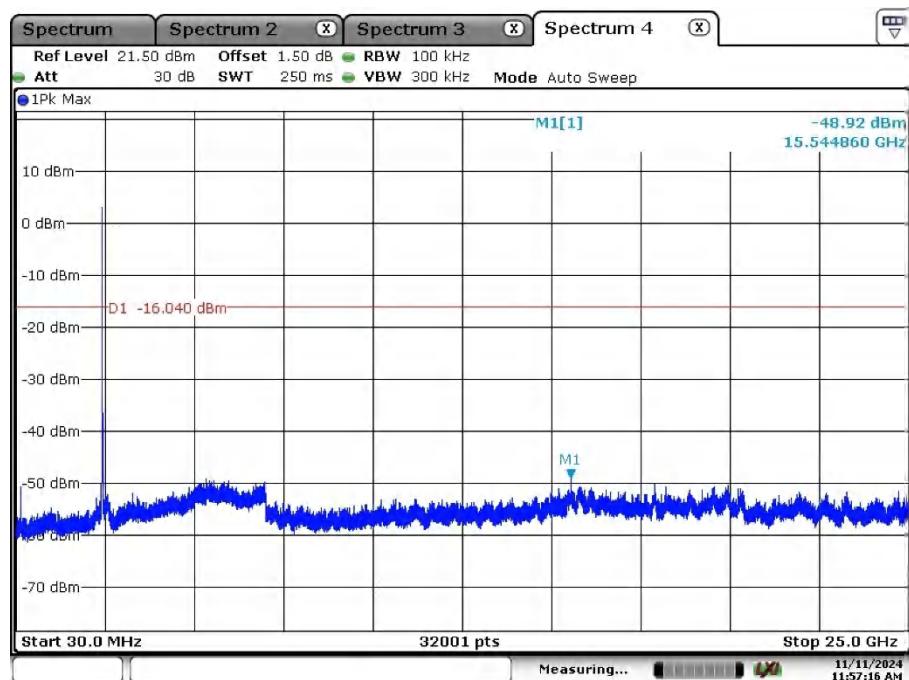
Low Channel:



Middle Channel:

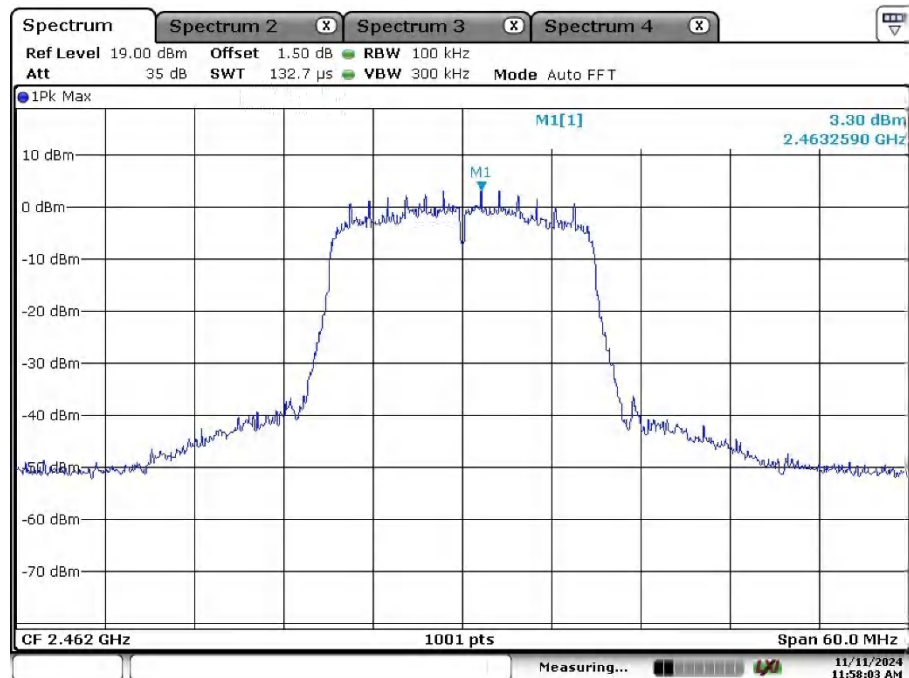


Date: 11.NOV.2024 11:55:49

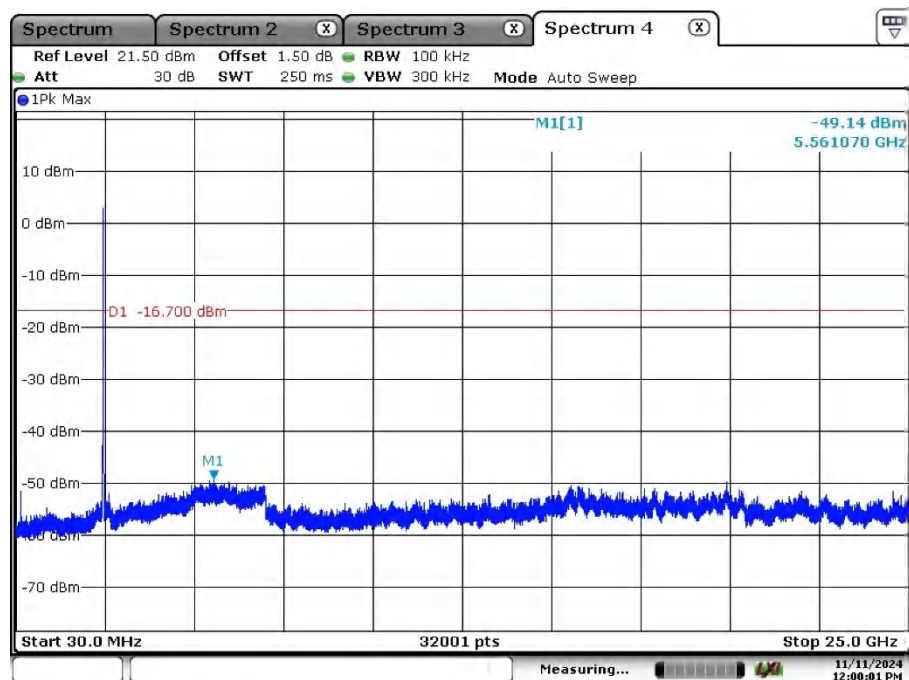


Date: 11.NOV.2024 11:57:16

High Channel:



Date: 11.NOV.2024 11:58:03



Date: 11.NOV.2024 12:00:00

## Appendix B.5: Test Results of Radiated Spurious Emissions

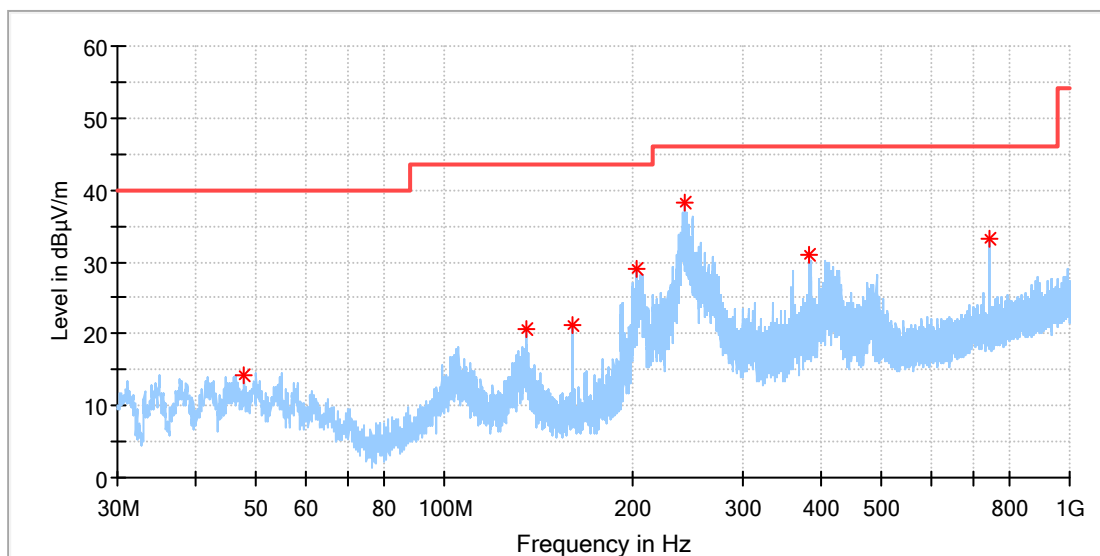
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

### 30MHz - 1GHz (Worst case)

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT Module           |
| Model:              | WL7BT1500                |
| Test Mode:          | WIFI 2.4G_11b_Ch6        |
| Order No/Sample No: | 168510497/A003845668-003 |
| Test Voltage:       | DC 3.3V                  |
| Remark:             | Temp 23 Humi:53%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

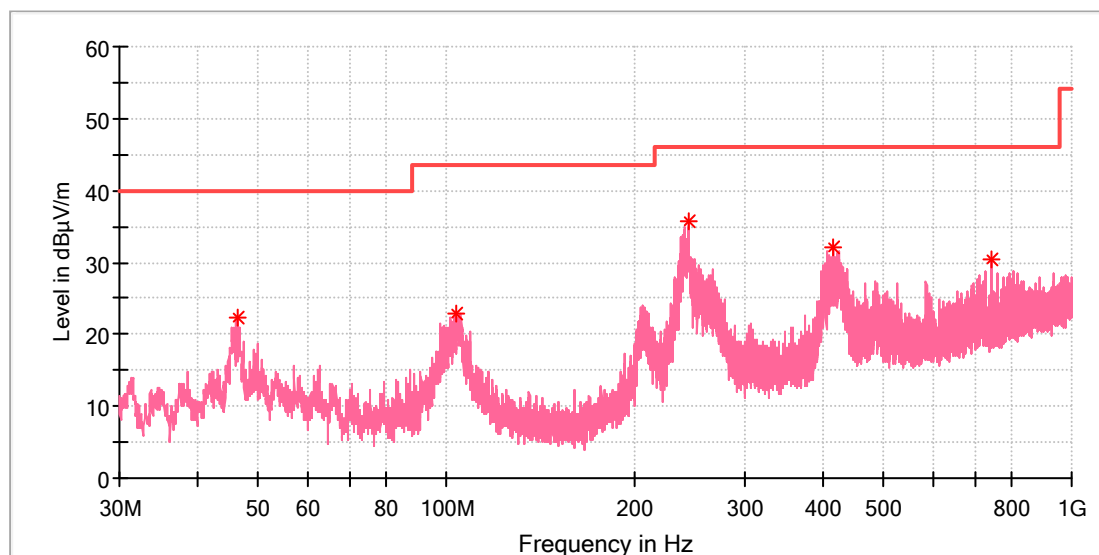
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 47.870385       | 14.31            | 40.00          | 25.69       | 100.0       | H   | 214.0         | -18.5        |
| 135.021154      | 20.62            | 43.50          | 22.88       | 100.0       | H   | 140.0         | -22.1        |
| 160.017308      | 21.26            | 43.50          | 22.24       | 100.0       | H   | 83.0          | -21.8        |
| 203.555385      | 29.10            | 43.50          | 14.40       | 100.0       | H   | 56.0          | -19.0        |
| 241.833077      | 38.28            | 46.00          | 7.72        | 100.0       | H   | 180.0         | -17.6        |
| 384.087308      | 30.93            | 46.00          | 15.07       | 100.0       | H   | 75.0          | -14.1        |
| 742.502308      | 33.12            | 46.00          | 12.88       | 100.0       | H   | 22.0          | -7.2         |

## Final Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT Module           |
| Model:              | WL7BT1500                |
| Test Mode:          | WIFI 2.4G_11b_Ch6        |
| Order No/Sample No: | 168510497/A003845668-003 |
| Test Voltage:       | DC 3.3V                  |
| Remark:             | Temp 23 Humi:53%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 46.340769       | 22.37            | 40.00          | 17.63       | 100.0       | V   | 138.0         | -18.7        |
| 103.869231      | 23.02            | 43.50          | 20.48       | 100.0       | V   | 56.0          | -18.9        |
| 244.295385      | 35.69            | 46.00          | 10.31       | 100.0       | V   | 307.0         | -17.6        |
| 415.090000      | 32.13            | 46.00          | 13.87       | 100.0       | V   | 37.0          | -13.4        |
| 742.502308      | 30.30            | 46.00          | 15.70       | 100.0       | V   | 217.0         | -7.2         |

## Final Result

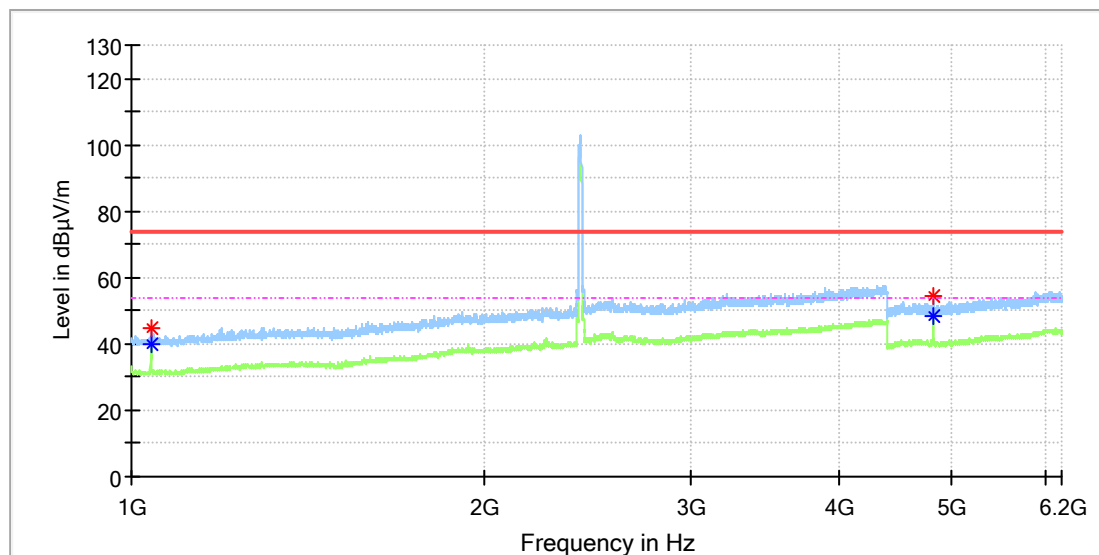
| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         |     | ---           | ---          |

**1GHz - 18GHz**

Note: The highest waveform in the figure is Wi-Fi Fundamental.

**EUT Information**

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT Module           |
| Model:              | WL7BT1500                |
| Test Mode:          | WIFI 2.4G_11b_Ch1        |
| Order No/Sample No: | 168510497/A003845668-003 |
| Test Voltage:       | DC 3.3V                  |
| Remark:             | Temp 23 Humi:53%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |

**Critical\_Freqs**

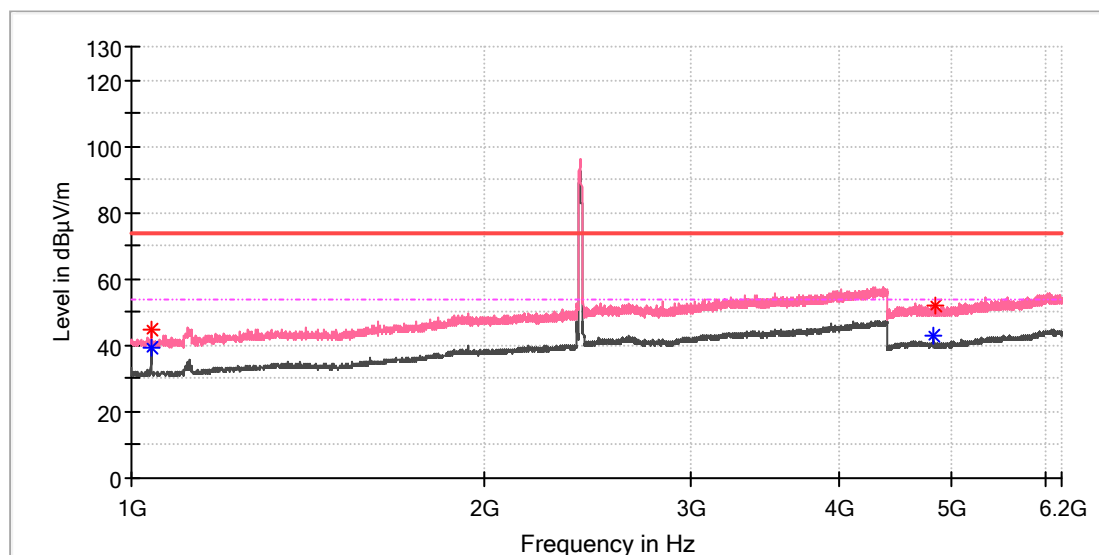
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1039.000000     | 44.64            | ---              | 74.00          | 29.36       | 150.0       | H   | 0.0           | 0.5          |
| 1039.000000     | ---              | 40.06            | 54.00          | 13.94       | 150.0       | H   | 0.0           | 0.5          |
| 4824.000000     | 54.19            | ---              | 74.00          | 19.81       | 150.0       | H   | 2.0           | 13.3         |
| 4824.000000     | ---              | 48.38            | 54.00          | 5.62        | 150.0       | H   | 2.0           | 13.3         |

**Final\_Result**

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11b\_Ch1  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

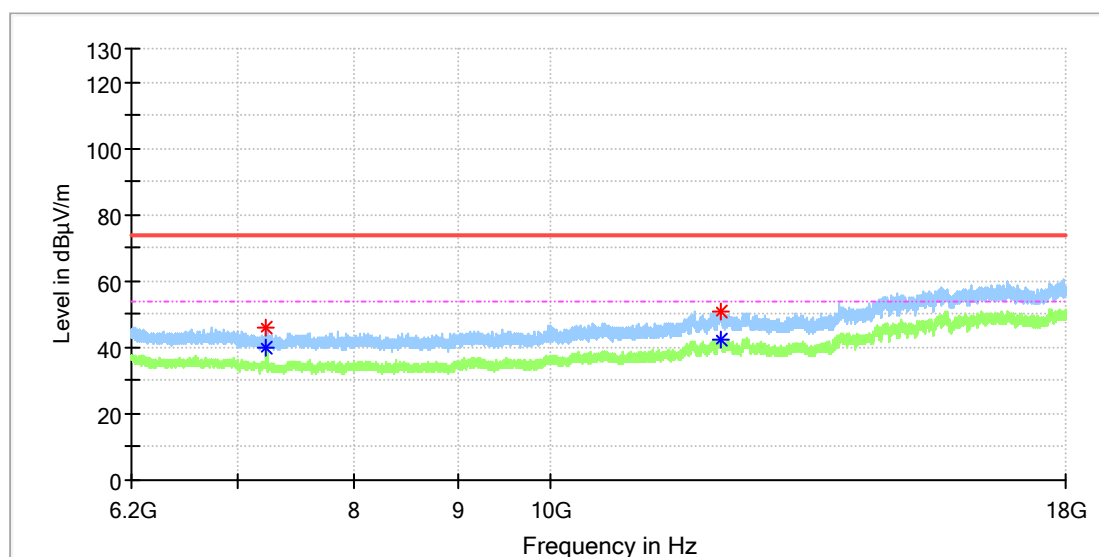
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1039.000000     | 44.53            | ---              | 74.00          | 29.47       | 150.0       | V   | 353.0         | 0.5          |
| 1039.000000     | ---              | 39.26            | 54.00          | 14.74       | 150.0       | V   | 353.0         | 0.5          |
| 4824.000000     | ---              | 43.00            | 54.00          | 11.00       | 150.0       | V   | 67.0          | 13.3         |
| 4846.000000     | 51.83            | ---              | 74.00          | 22.17       | 150.0       | V   | 39.0          | 13.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT Module           |
| Model:              | WL7BT1500                |
| Test Mode:          | WIFI 2.4G_11b_Ch1        |
| Order No/Sample No: | 168510497/A003845668-003 |
| Test Voltage:       | DC 3.3V                  |
| Remark:             | Temp 23 Humi:53%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

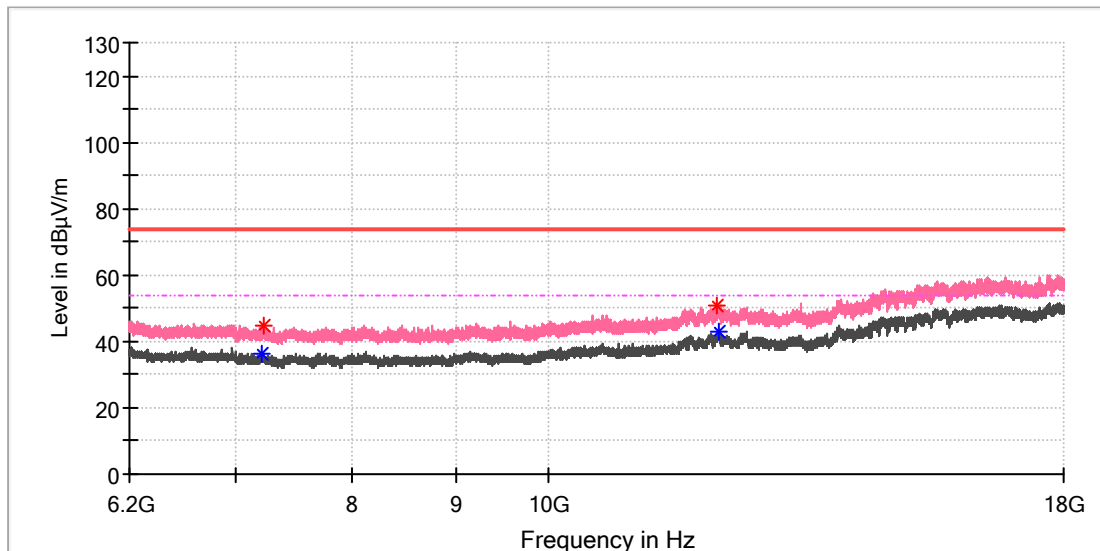
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7233.483333     | 45.66            | ---              | 74.00          | 28.34       | 150.0       | H   | 359.0         | 8.6          |
| 7234.958333     | ---              | 39.74            | 54.00          | 14.26       | 150.0       | H   | 359.0         | 8.6          |
| 12141.791667    | ---              | 42.14            | 54.00          | 11.86       | 150.0       | H   | 170.0         | 16.5         |
| 12146.216667    | 50.55            | ---              | 74.00          | 23.45       | 150.0       | H   | 210.0         | 16.6         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11b\_Ch1  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

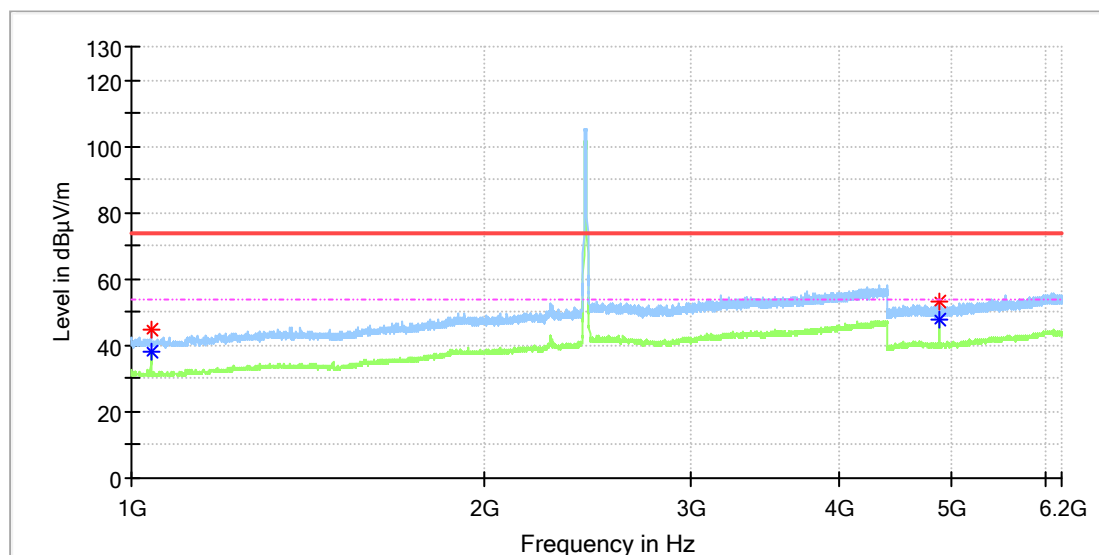
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7208.900000     | ---              | 36.21            | 54.00          | 17.79       | 150.0       | V   | 191.0         | 8.8          |
| 7225.616667     | 44.97            | ---              | 74.00          | 29.03       | 150.0       | V   | 116.0         | 8.7          |
| 12131.466667    | 50.95            | ---              | 74.00          | 23.05       | 150.0       | V   | 300.0         | 16.2         |
| 12158.016667    | ---              | 43.08            | 54.00          | 10.92       | 150.0       | V   | 217.0         | 16.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11b\_Ch6  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

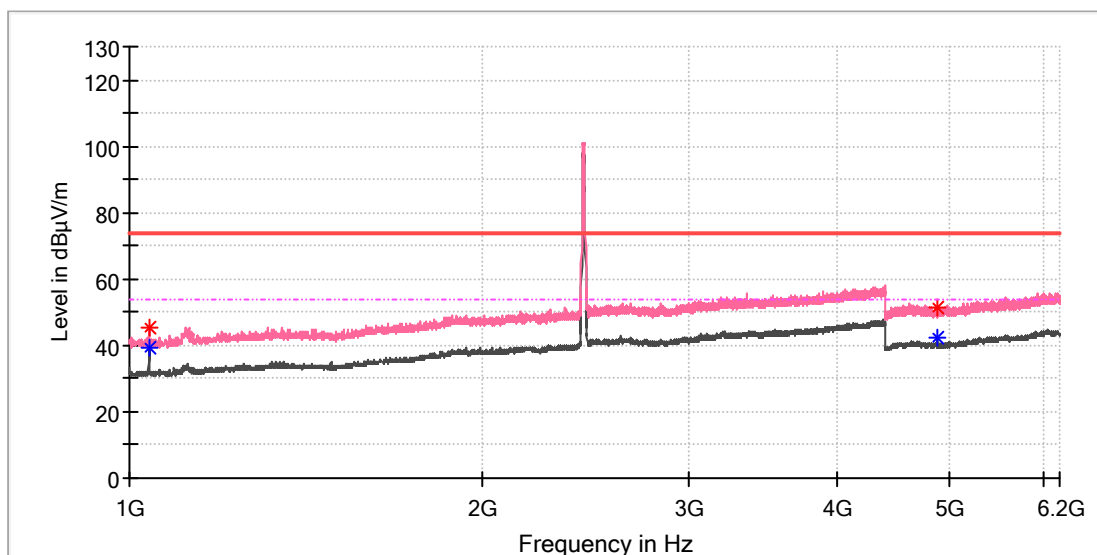
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1039.000000     | ---              | 38.21            | 54.00          | 15.79       | 150.0       | H   | 117.0         | 0.5          |
| 1039.500000     | 44.48            | ---              | 74.00          | 29.52       | 150.0       | H   | 45.0          | 0.5          |
| 4874.000000     | 53.04            | ---              | 74.00          | 20.96       | 150.0       | H   | 14.0          | 13.3         |
| 4874.000000     | ---              | 47.75            | 54.00          | 6.25        | 150.0       | H   | 14.0          | 13.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11b\_Ch6  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

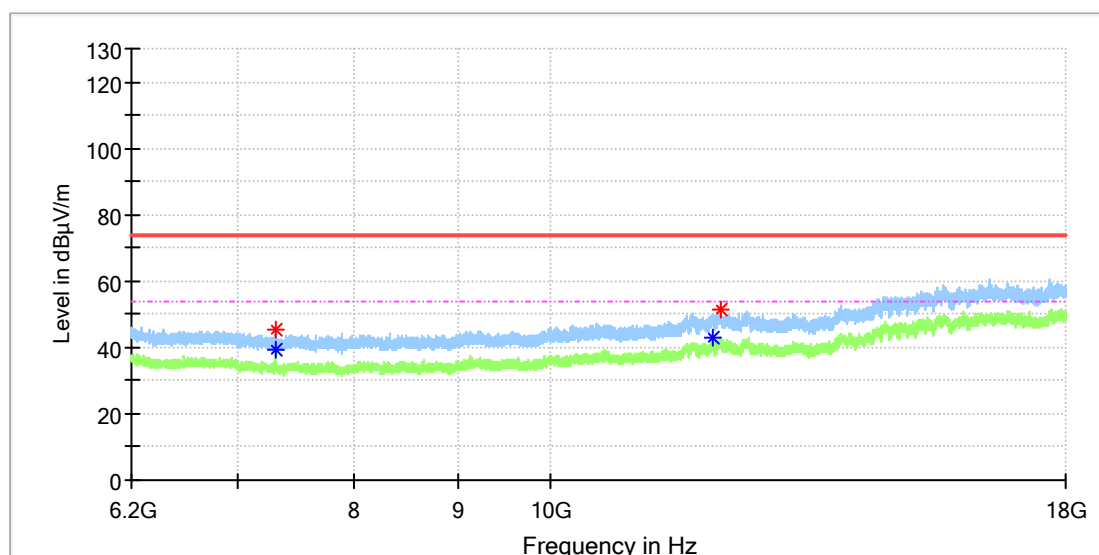
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1039.000000     | ---              | 39.34            | 54.00          | 14.66       | 150.0       | V   | 0.0           | 0.5          |
| 1039.500000     | 45.37            | ---              | 74.00          | 28.63       | 150.0       | V   | 87.0          | 0.5          |
| 4874.000000     | 51.67            | ---              | 74.00          | 22.33       | 150.0       | V   | 52.0          | 13.3         |
| 4874.000000     | ---              | 42.15            | 54.00          | 11.85       | 150.0       | V   | 52.0          | 13.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT Module           |
| Model:              | WL7BT1500                |
| Test Mode:          | WIFI 2.4G_11b_Ch6        |
| Order No/Sample No: | 168510497/A003845668-003 |
| Test Voltage:       | DC 3.3V                  |
| Remark:             | Temp 23 Humi:53%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

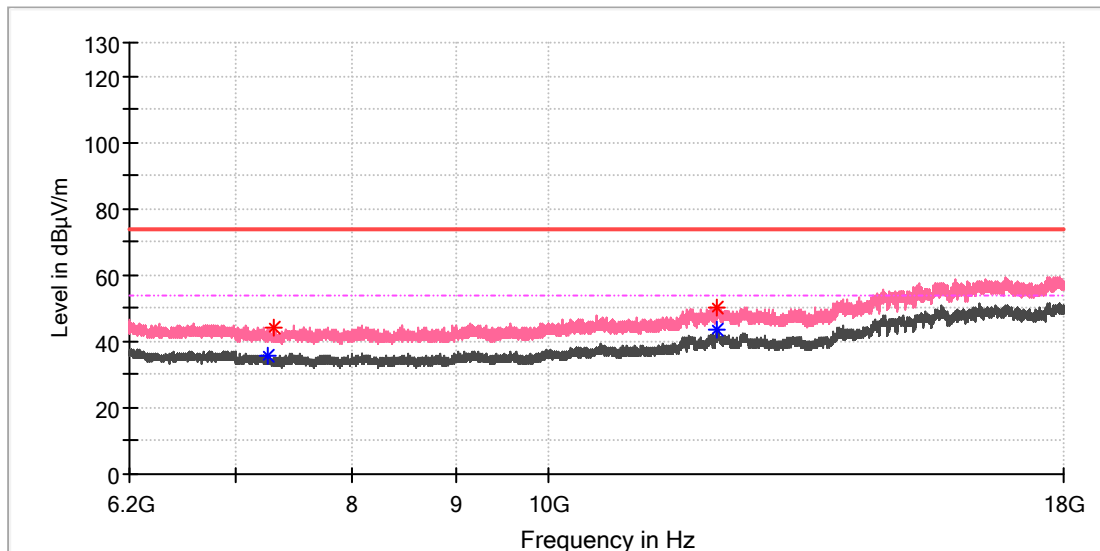
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7309.200000     | 45.24            | ---              | 74.00          | 28.76       | 150.0       | H   | 14.0          | 8.2          |
| 7309.691667     | ---              | 39.14            | 54.00          | 14.86       | 150.0       | H   | 300.0         | 8.2          |
| 12043.950000    | ---              | 43.08            | 54.00          | 10.92       | 150.0       | H   | 264.0         | 16.3         |
| 12134.416667    | 51.23            | ---              | 74.00          | 22.77       | 150.0       | H   | 326.0         | 16.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11b\_Ch6  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

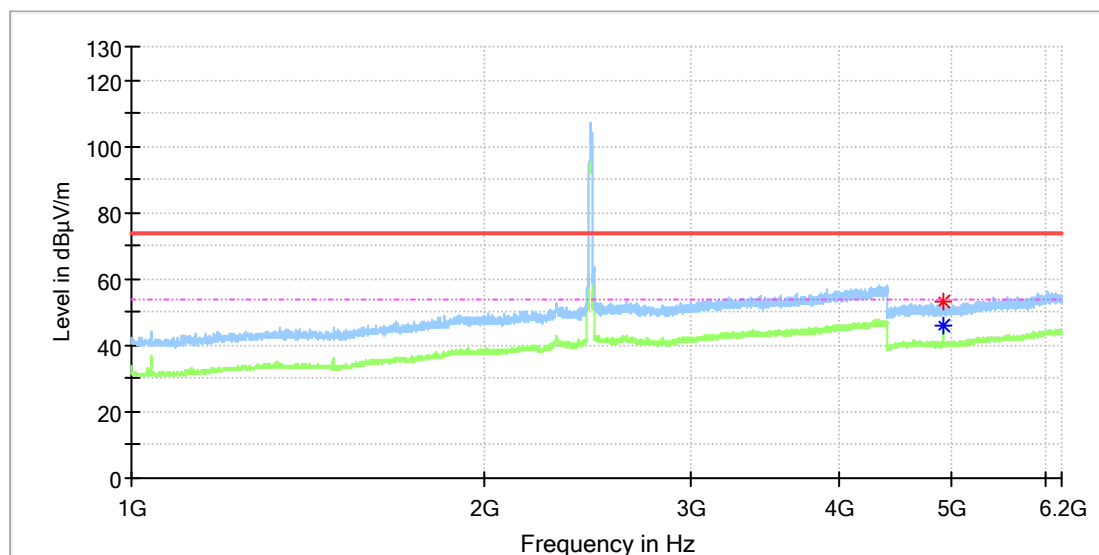
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7256.100000     | ---              | 35.85            | 54.00          | 18.15       | 150.0       | V   | 34.0          | 8.5          |
| 7307.233333     | 43.96            | ---              | 74.00          | 30.04       | 150.0       | V   | 204.0         | 8.3          |
| 12125.566667    | ---              | 43.41            | 54.00          | 10.59       | 150.0       | V   | 116.0         | 16.1         |
| 12130.975000    | 50.30            | ---              | 74.00          | 23.70       | 150.0       | V   | 42.0          | 16.2         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

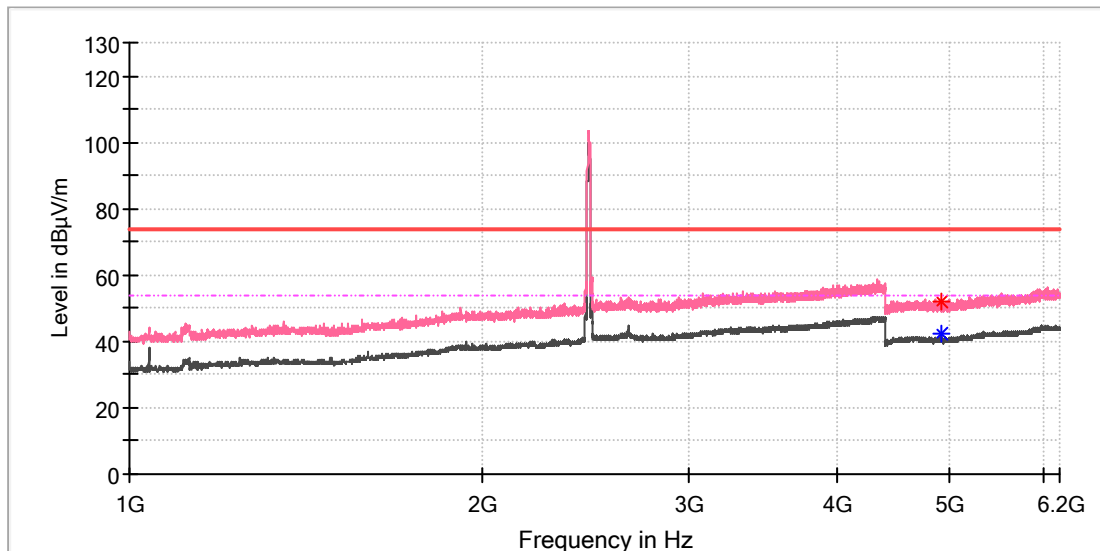
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4924.000000     | 52.98            | ---              | 74.00          | 21.02       | 150.0       | H   | 102.0         | 13.3         |
| 4924.000000     | ---              | 46.04            | 54.00          | 7.96        | 150.0       | H   | 102.0         | 13.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

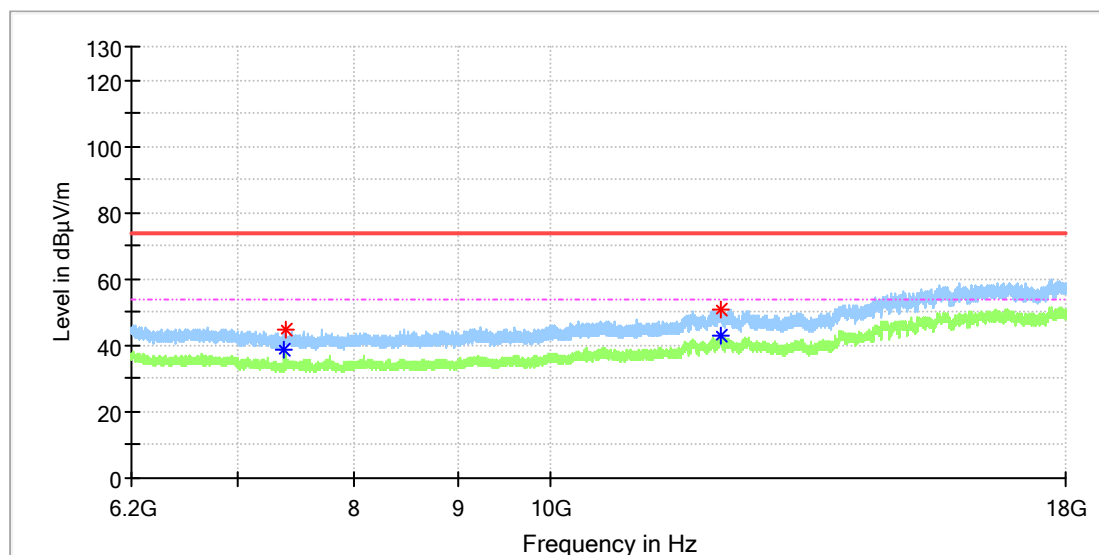
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4916.000000     | 51.70            | ---              | 74.00          | 22.30       | 150.0       | V   | 75.0          | 13.3         |
| 4924.000000     | ---              | 42.20            | 54.00          | 11.80       | 150.0       | V   | 262.0         | 13.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

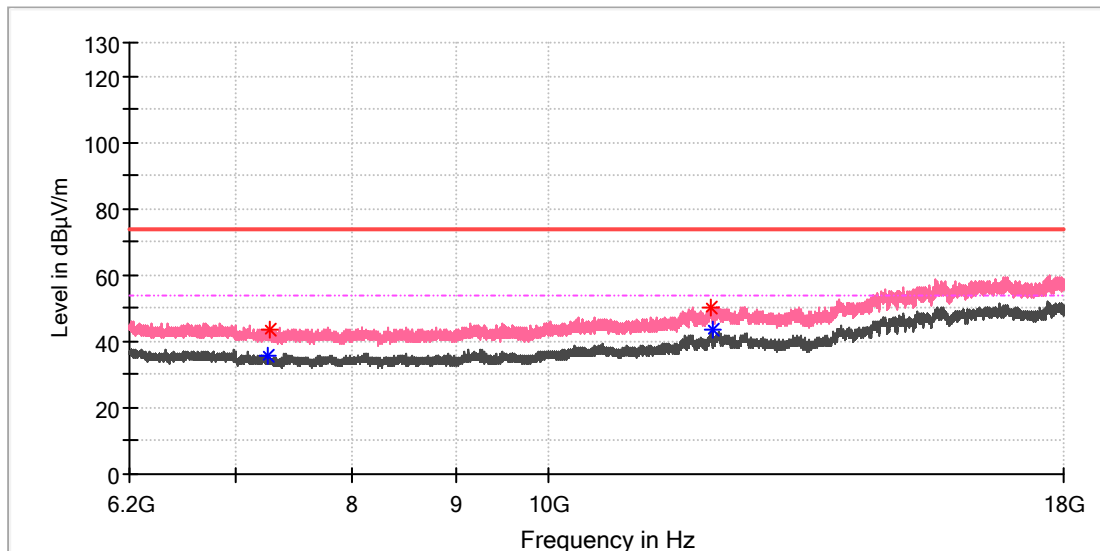
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7384.916667     | ---              | 38.56            | 54.00          | 15.44       | 150.0       | H   | 16.0          | 8.2          |
| 7387.866667     | 44.52            | ---              | 74.00          | 29.48       | 150.0       | H   | 16.0          | 8.2          |
| 12141.791667    | 51.08            | ---              | 74.00          | 22.92       | 150.0       | H   | 1.0           | 16.5         |
| 12146.708333    | ---              | 42.65            | 54.00          | 11.35       | 150.0       | H   | 181.0         | 16.6         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

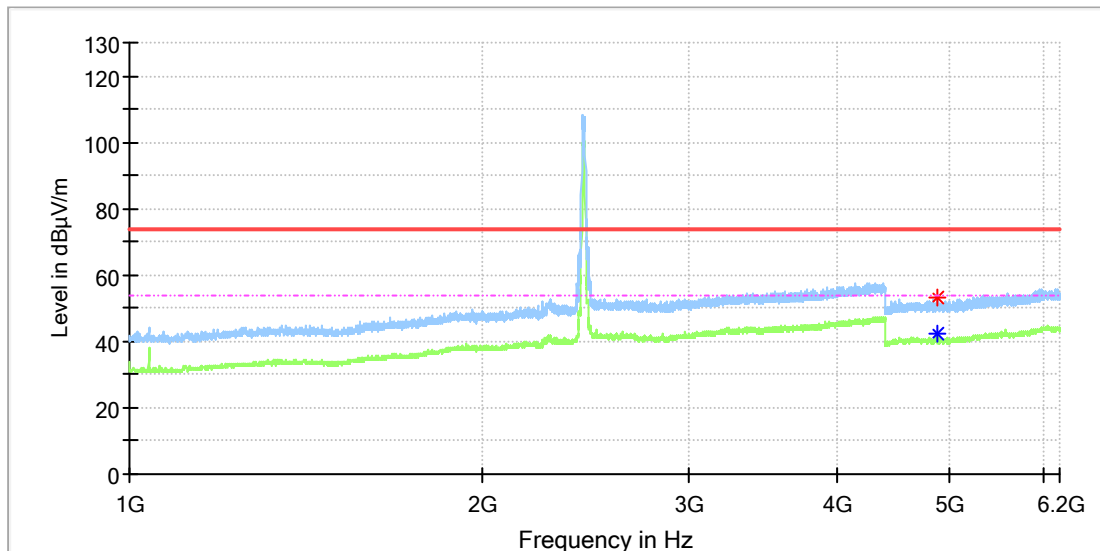
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7262.983333     | ---              | 35.97            | 54.00          | 18.03       | 150.0       | V   | 335.0         | 8.5          |
| 7270.358333     | 43.45            | ---              | 74.00          | 30.55       | 150.0       | V   | 71.0          | 8.5          |
| 12047.883333    | 50.47            | ---              | 74.00          | 23.53       | 150.0       | V   | 285.0         | 16.4         |
| 12049.850000    | ---              | 43.32            | 54.00          | 10.68       | 150.0       | V   | 179.0         | 16.4         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11g\_Ch6  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

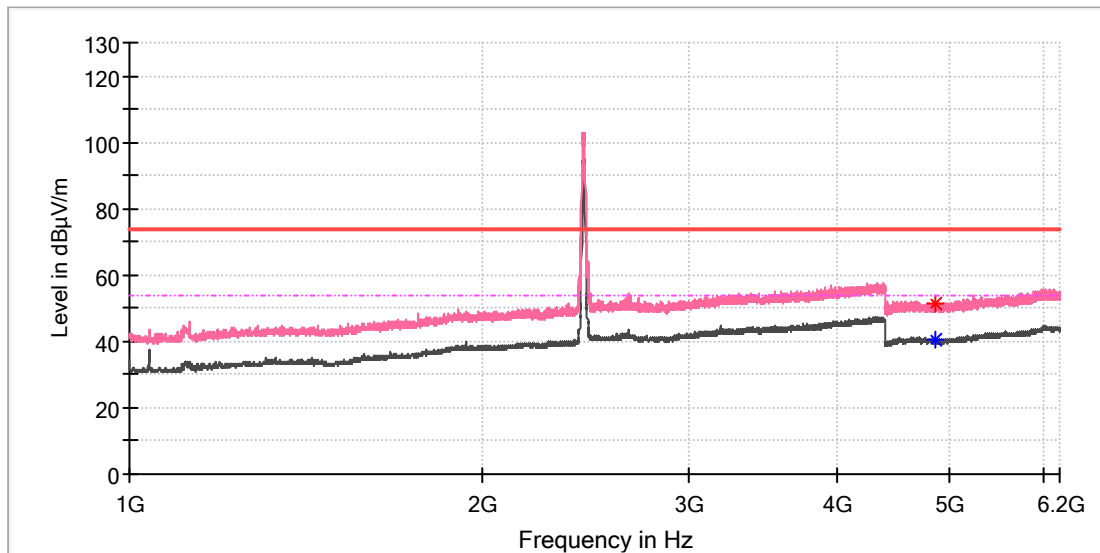
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4873.500000     | 53.34            | ---              | 74.00          | 20.66       | 150.0       | H   | 11.0          | 13.3         |
| 4875.500000     | ---              | 42.11            | 54.00          | 11.89       | 150.0       | H   | 285.0         | 13.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11g\_Ch6  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

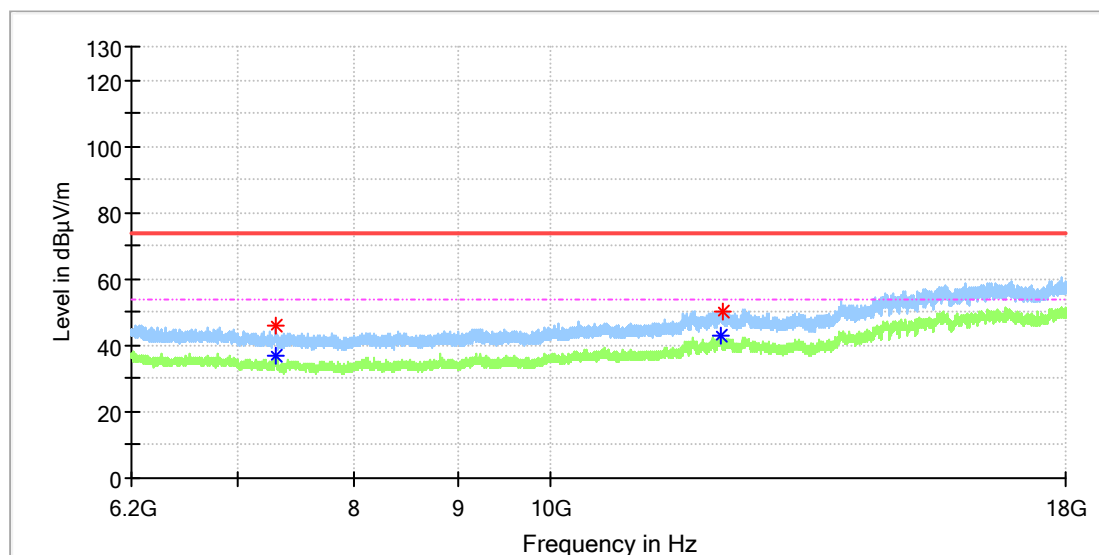
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4861.500000     | 51.46            | ---              | 74.00          | 22.54       | 150.0       | V   | 263.0         | 13.3         |
| 4862.500000     | ---              | 40.48            | 54.00          | 13.52       | 150.0       | V   | 314.0         | 13.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT Module           |
| Model:              | WL7BT1500                |
| Test Mode:          | WIFI 2.4G_11g_Ch6        |
| Order No/Sample No: | 168510497/A003845668-003 |
| Test Voltage:       | DC 3.3V                  |
| Remark:             | Temp 23 Humi:53%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

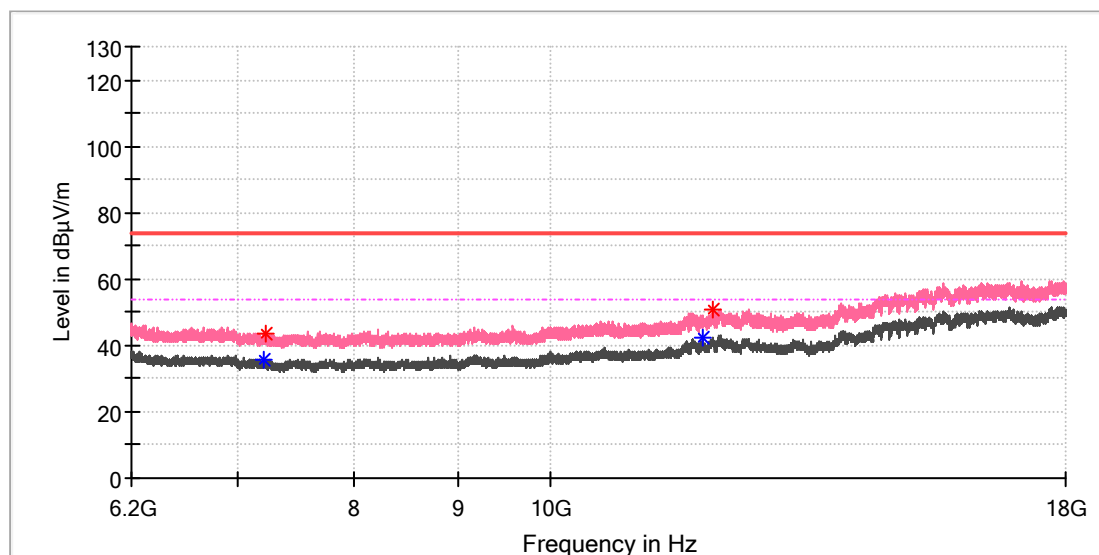
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7313.133333     | 45.84            | ---              | 74.00          | 28.16       | 150.0       | H   | 28.0          | 8.2          |
| 7313.133333     | ---              | 36.81            | 54.00          | 17.19       | 150.0       | H   | 28.0          | 8.2          |
| 12143.758333    | ---              | 43.12            | 54.00          | 10.88       | 150.0       | H   | 308.0         | 16.6         |
| 12166.375000    | 50.48            | ---              | 74.00          | 23.52       | 150.0       | H   | 0.0           | 15.9         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11g\_Ch6  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

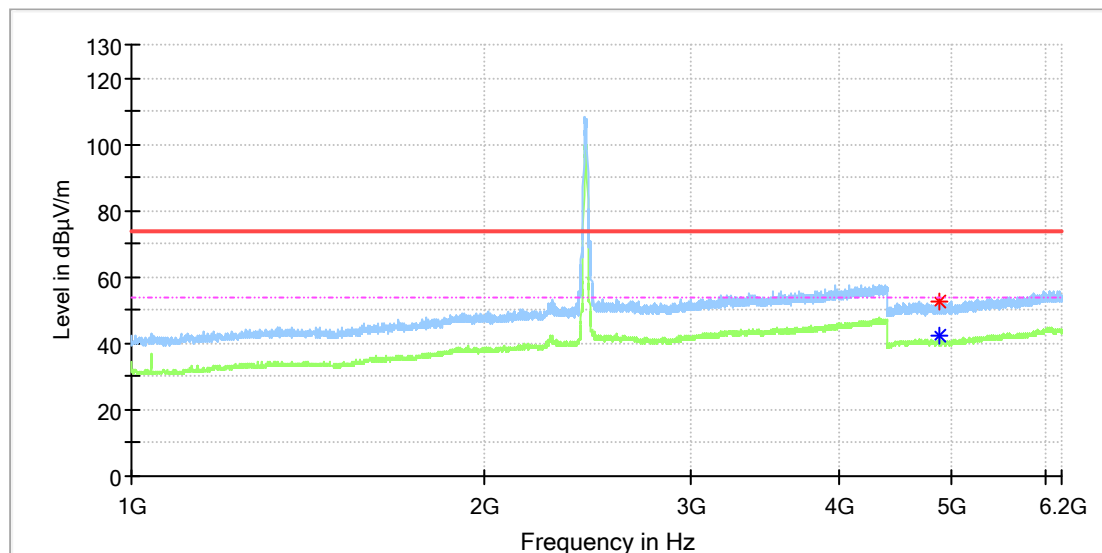
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7217.258333     | ---              | 35.65            | 54.00          | 18.35       | 150.0       | V   | 153.0         | 8.7          |
| 7218.733333     | 43.77            | ---              | 74.00          | 30.23       | 150.0       | V   | 255.0         | 8.7          |
| 11899.400000    | ---              | 42.62            | 54.00          | 11.38       | 150.0       | V   | 3.0           | 15.9         |
| 12045.425000    | 50.89            | ---              | 74.00          | 23.11       | 150.0       | V   | 44.0          | 16.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11n20\_Ch6  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

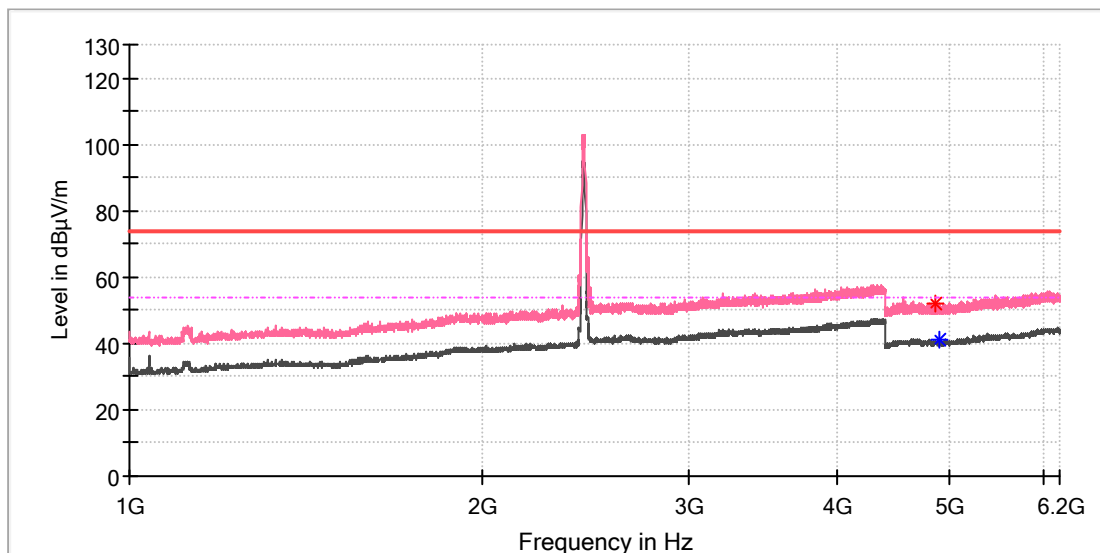
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4875.500000     | 52.83            | ---              | 74.00          | 21.17       | 150.0       | H   | 287.0         | 13.3         |
| 4876.500000     | ---              | 42.15            | 54.00          | 11.85       | 150.0       | H   | 5.0           | 13.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11n20\_Ch6  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

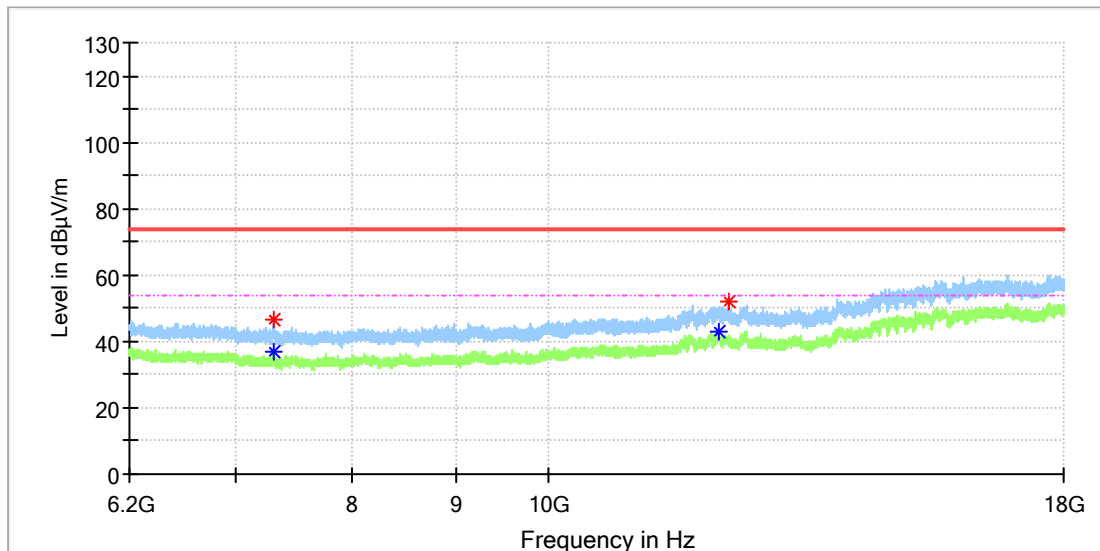
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4862.500000     | 52.00            | ---              | 74.00          | 22.00       | 150.0       | V   | 98.0          | 13.3         |
| 4902.500000     | ---              | 41.07            | 54.00          | 12.93       | 150.0       | V   | 57.0          | 13.3         |

## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11n20\_Ch6  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

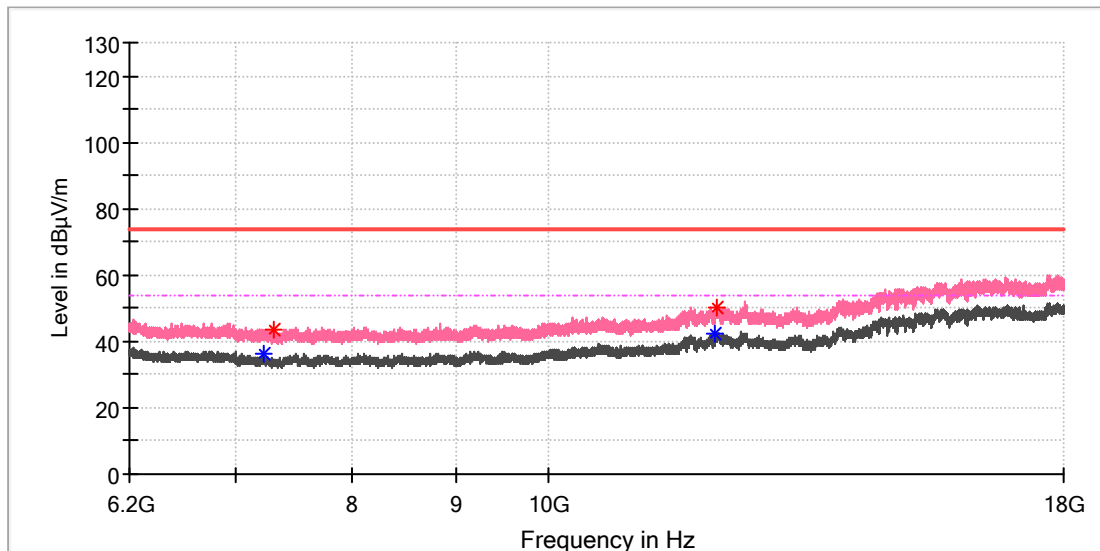
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7307.233333     | ---              | 37.10            | 54.00          | 16.90       | 150.0       | H   | 279.0         | 8.3          |
| 7307.233333     | 46.66            | ---              | 74.00          | 27.34       | 150.0       | H   | 279.0         | 8.3          |
| 12134.416667    | ---              | 42.84            | 54.00          | 11.16       | 150.0       | H   | 224.0         | 16.3         |
| 12282.408333    | 51.95            | ---              | 74.00          | 22.05       | 150.0       | H   | 0.0           | 16.0         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11n20\_Ch6  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7226.108333     | ---              | 35.99            | 54.00          | 18.01       | 150.0       | V   | 35.0          | 8.7          |
| 7312.641667     | 43.70            | ---              | 74.00          | 30.30       | 150.0       | V   | 234.0         | 8.2          |
| 12099.508333    | ---              | 42.52            | 54.00          | 11.48       | 150.0       | V   | 101.0         | 15.4         |
| 12127.041667    | 50.45            | ---              | 74.00          | 23.55       | 150.0       | V   | 234.0         | 16.1         |

## Final Result

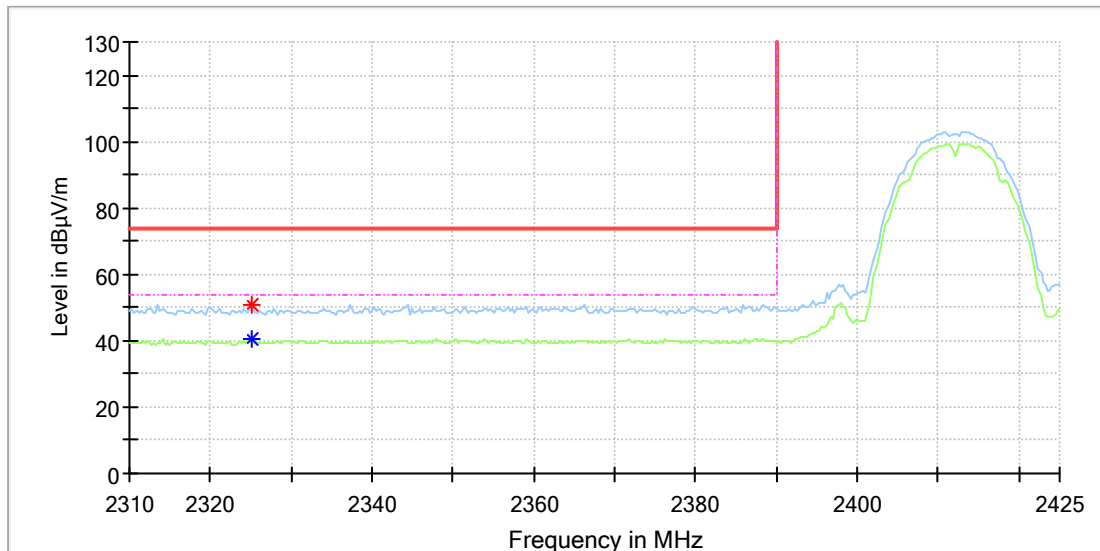
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## Appendix B.6: Test Results of Radiated Emissions in Restricted Bands

Wi-Fi 802.11 b mode

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT Module           |
| Model:              | WL7BT1500                |
| Test Mode:          | WIFI 2.4G_11b_Ch1        |
| Order No/Sample No: | 168510497/A003845668-003 |
| Test Voltage:       | DC 3.3V                  |
| Remark:             | Temp 23 Humi:53%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical\_Freqs

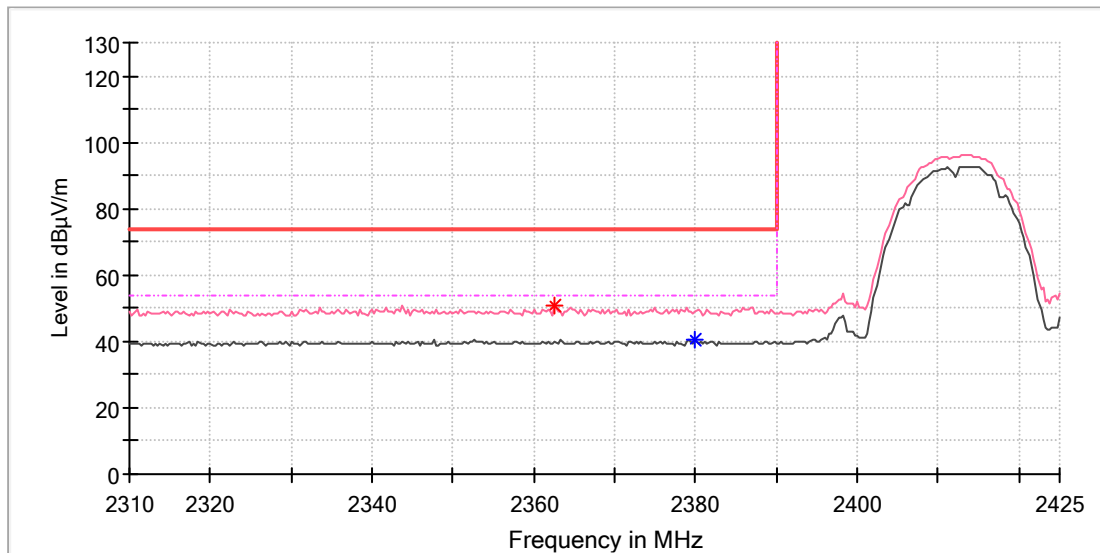
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2325.000000     | ---              | 40.28            | 54.00          | 13.72       | 150.0       | H   | 75.0          | 8.2          |
| 2325.000000     | 50.91            | ---              | 74.00          | 23.09       | 150.0       | H   | 75.0          | 8.2          |

### Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT Module           |
| Model:              | WL7BT1500                |
| Test Mode:          | WIFI 2.4G_11b_Ch1        |
| Order No/Sample No: | 168510497/A003845668-003 |
| Test Voltage:       | DC 3.3V                  |
| Remark:             | Temp 23 Humi:53%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

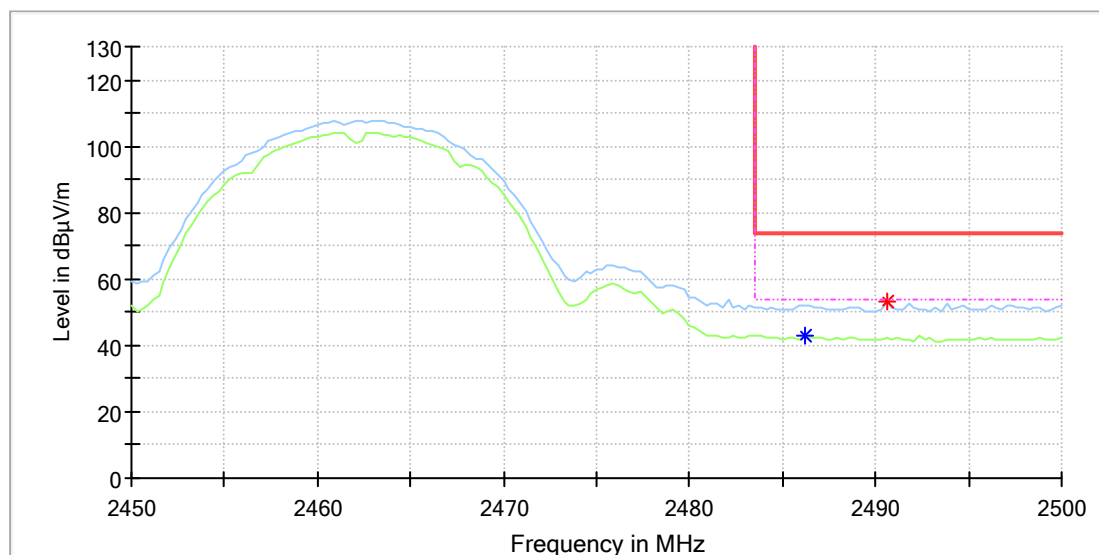
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2362.647059     | 50.99            | ---              | 74.00          | 23.01       | 150.0       | V   | 160.0         | 8.5          |
| 2380.000000     | ---              | 40.57            | 54.00          | 13.43       | 150.0       | V   | 275.0         | 8.5          |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

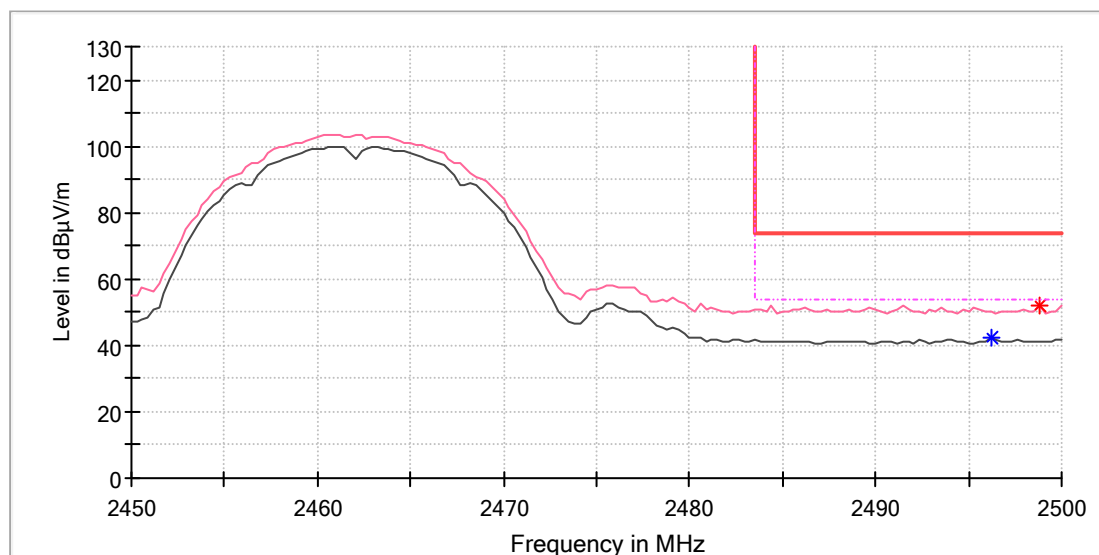
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2486.176471     | ---              | 42.92            | 54.00          | 11.08       | 150.0       | H   | 80.0          | 9.0          |
| 2490.588235     | 53.31            | ---              | 74.00          | 20.69       | 150.0       | H   | 349.0         | 9.0          |

## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2496.176471     | ---              | 42.15            | 54.00          | 11.85       | 150.0       | V   | 242.0         | 9.0          |
| 2498.823529     | 52.04            | ---              | 74.00          | 21.96       | 150.0       | V   | 58.0          | 9.0          |

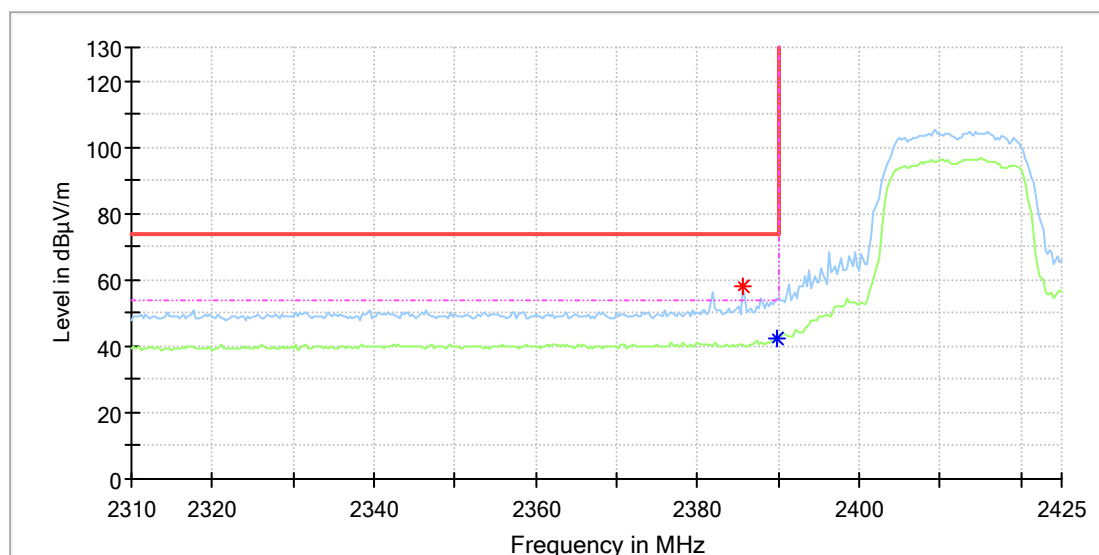
## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## Wi-Fi 802.11 g mode

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT Module           |
| Model:              | WL7BT1500                |
| Test Mode:          | WIFI 2.4G_11g_Ch1        |
| Order No/Sample No: | 168510497/A003845668-003 |
| Test Voltage:       | DC 3.3V                  |
| Remark:             | Temp 23 Humi:53%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

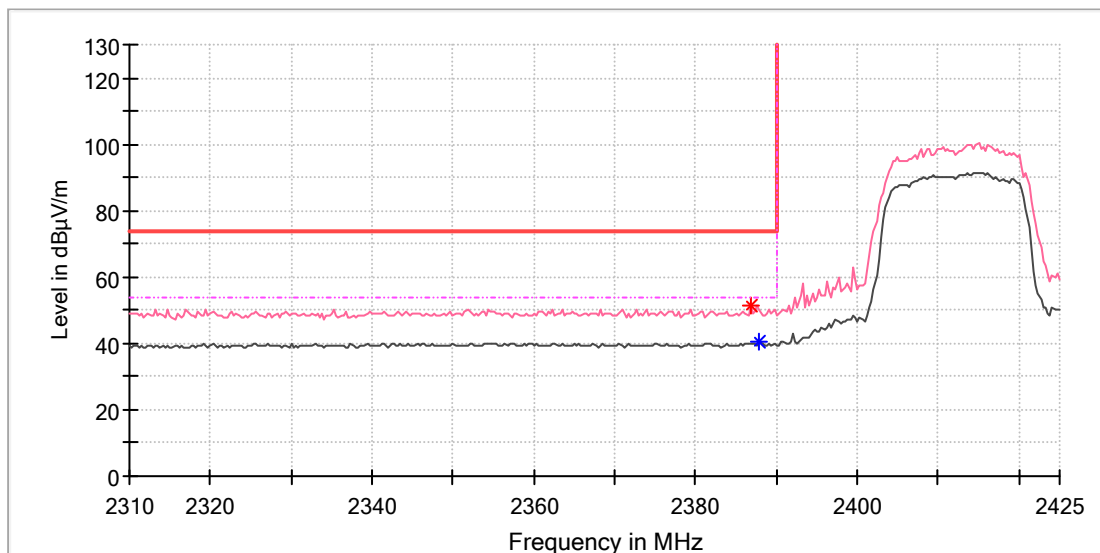
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2385.588235     | 58.02            | ---              | 74.00          | 15.98       | 150.0       | H   | 277.0         | 8.5          |
| 2389.705882     | ---              | 42.58            | 54.00          | 11.42       | 150.0       | H   | 351.0         | 8.5          |

### Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11g\_Ch1  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

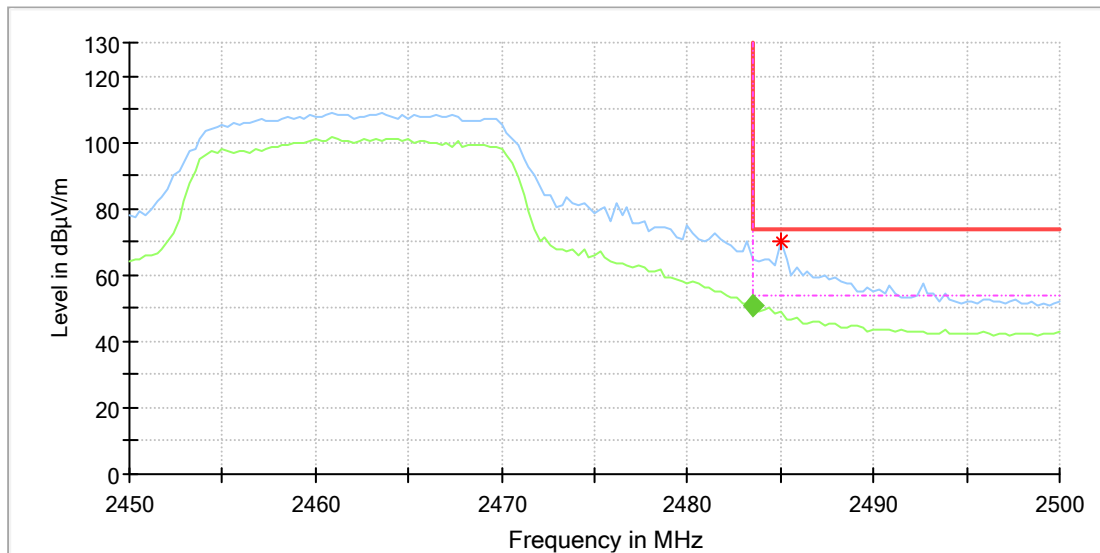
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2386.764706     | 51.30            | ---              | 74.00          | 22.70       | 150.0       | V   | 210.0         | 8.5          |
| 2387.941177     | ---              | 40.35            | 54.00          | 13.65       | 150.0       | V   | 309.0         | 8.5          |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11g\_Ch11  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

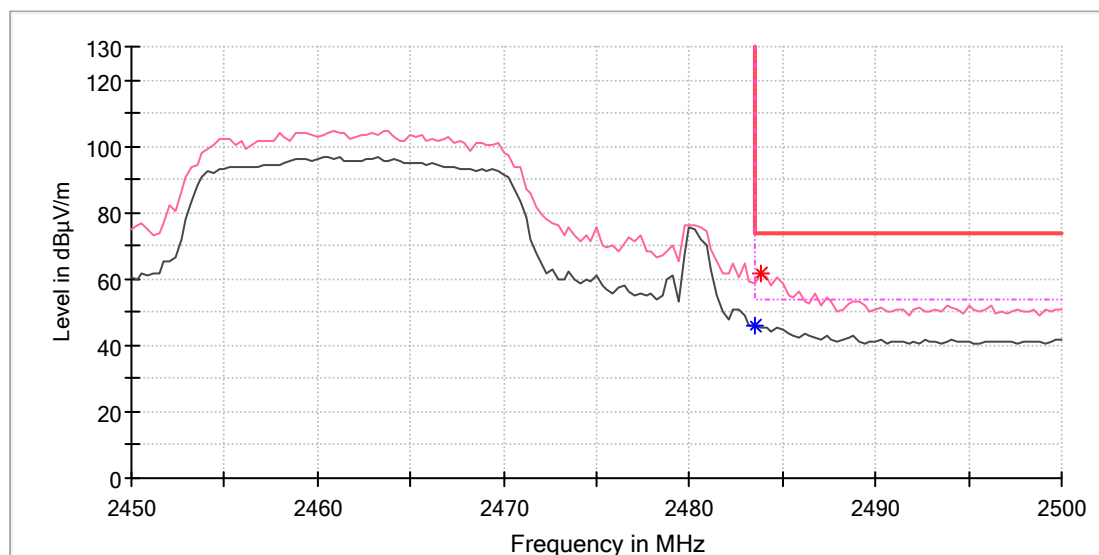
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.000000     | 70.07            | ---              | 74.00          | 3.93        | 150.0       | H   | 354.0         | 9.0          |

## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.529412     | 50.60            | 54.00          | 3.40        | 149.0       | H   | 277.0         | 9.0          |

## EUT Information

EUT Name: WIFI+BT Module  
 Model: WL7BT1500  
 Test Mode: WIFI 2.4G\_11g\_Ch11  
 Order No/Sample No: 168510497/A003845668-003  
 Test Voltage: DC 3.3V  
 Remark: Temp 23 Humi:53%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.529412     | ---              | 46.19            | 54.00          | 7.81        | 150.0       | V   | 31.0          | 9.0          |
| 2483.823529     | 61.44            | ---              | 74.00          | 12.56       | 150.0       | V   | 62.0          | 9.0          |

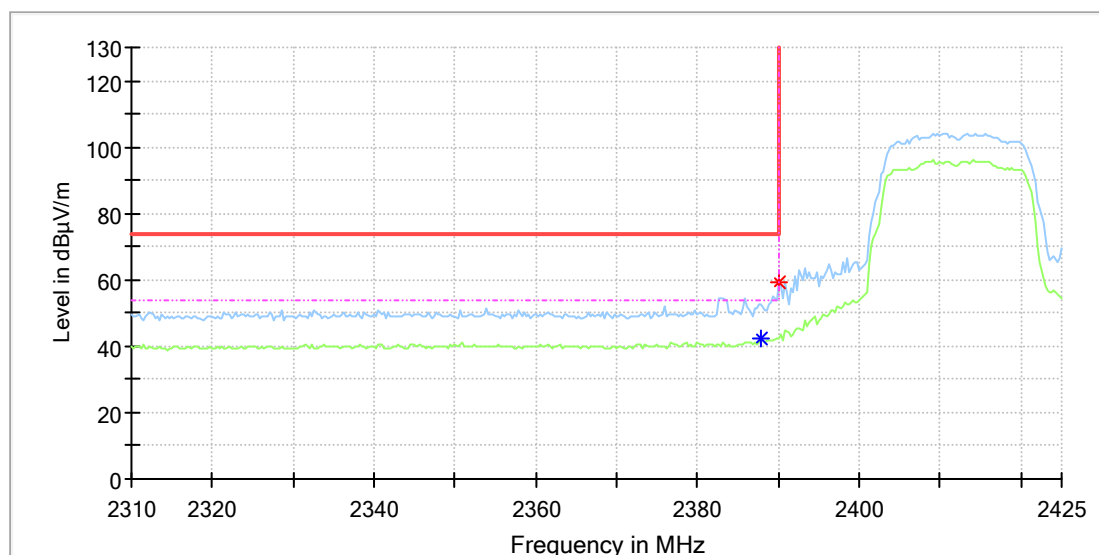
## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## Wi-Fi 802.11 n(HT20) mode

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT Module           |
| Model:              | WL7BT1500                |
| Test Mode:          | WIFI 2.4G_11n20_Ch1      |
| Order No/Sample No: | 168510497/A003845668-003 |
| Test Voltage:       | DC 3.3V                  |
| Remark:             | Temp 23 Humi:53%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

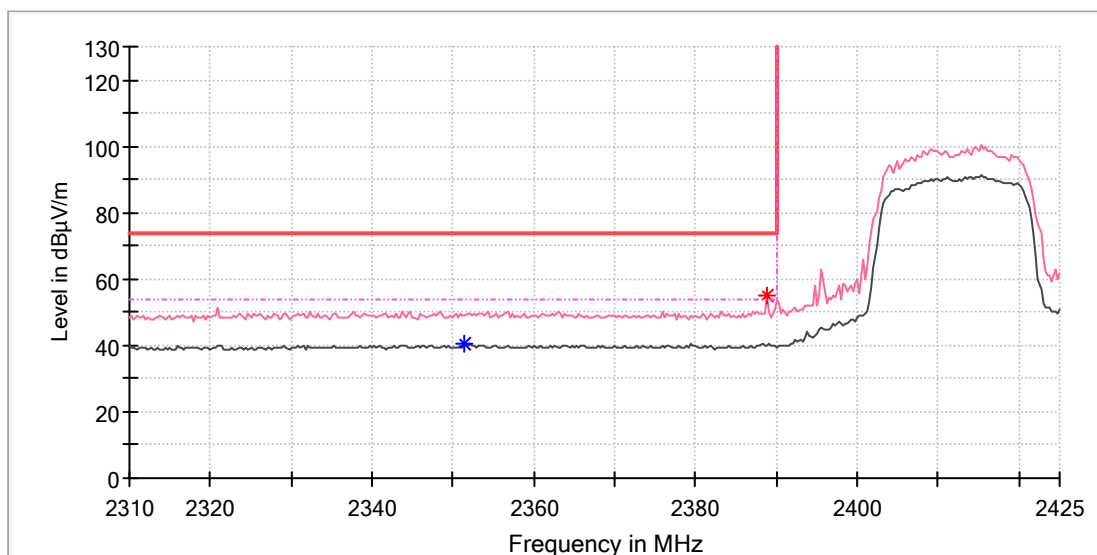
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2387.941177     | ---              | 42.27            | 54.00          | 11.73       | 150.0       | H   | 358.0         | 8.5          |
| 2390.000000     | 59.42            | ---              | 74.00          | 14.58       | 150.0       | H   | 318.0         | 8.5          |

### Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11n20\_Ch1  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

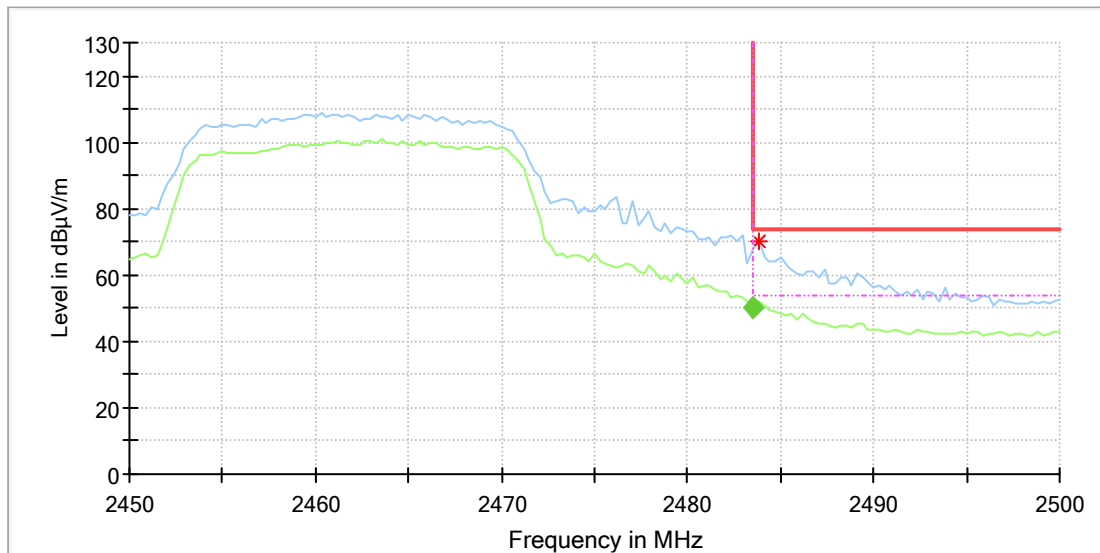
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2351.470588     | ---              | 40.58            | 54.00          | 13.42       | 150.0       | V   | 103.0         | 8.5          |
| 2388.823529     | 55.15            | ---              | 74.00          | 18.85       | 150.0       | V   | 313.0         | 8.5          |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT Module           |
| Model:              | WL7BT1500                |
| Test Mode:          | WIFI 2.4G_11n20_Ch11     |
| Order No/Sample No: | 168510497/A003845668-003 |
| Test Voltage:       | DC 3.3V                  |
| Remark:             | Temp 23 Humi:53%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

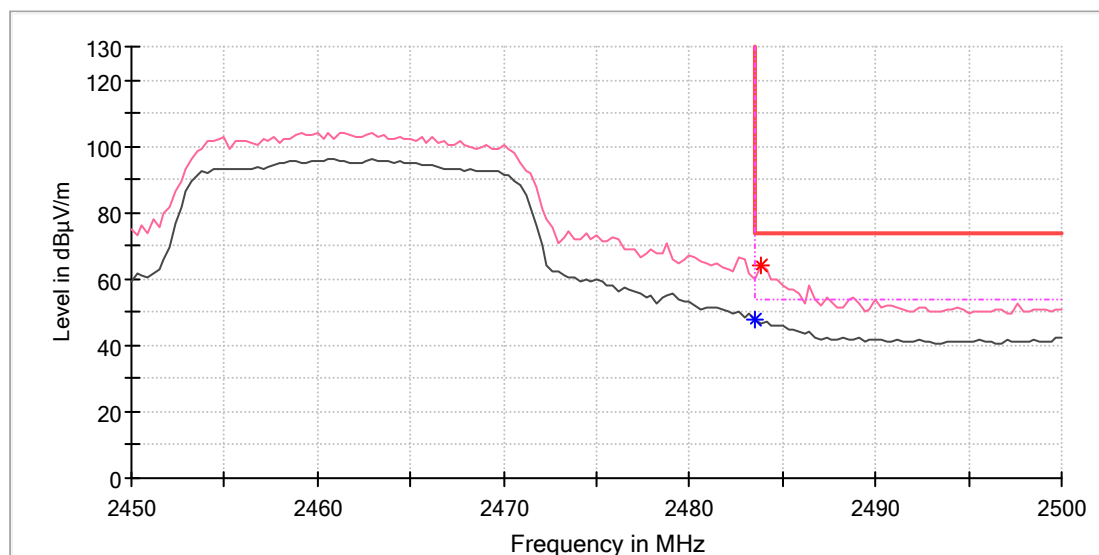
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.823529     | 70.36            | ---              | 74.00          | 3.64        | 150.0       | H   | 8.0           | 9.0          |

## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.529412     | 50.26            | 54.00          | 3.74        | 145.0       | H   | 148.0         | 9.0          |

## EUT Information

EUT Name: WIFI+BT Module  
Model: WL7BT1500  
Test Mode: WIFI 2.4G\_11n20\_Ch11  
Order No/Sample No: 168510497/A003845668-003  
Test Voltage: DC 3.3V  
Remark: Temp 23 Humi:53%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.529412     | ---              | 48.05            | 54.00          | 5.95        | 150.0       | V   | 240.0         | 9.0          |
| 2483.823529     | 63.85            | ---              | 74.00          | 10.15       | 150.0       | V   | 308.0         | 9.0          |

## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |