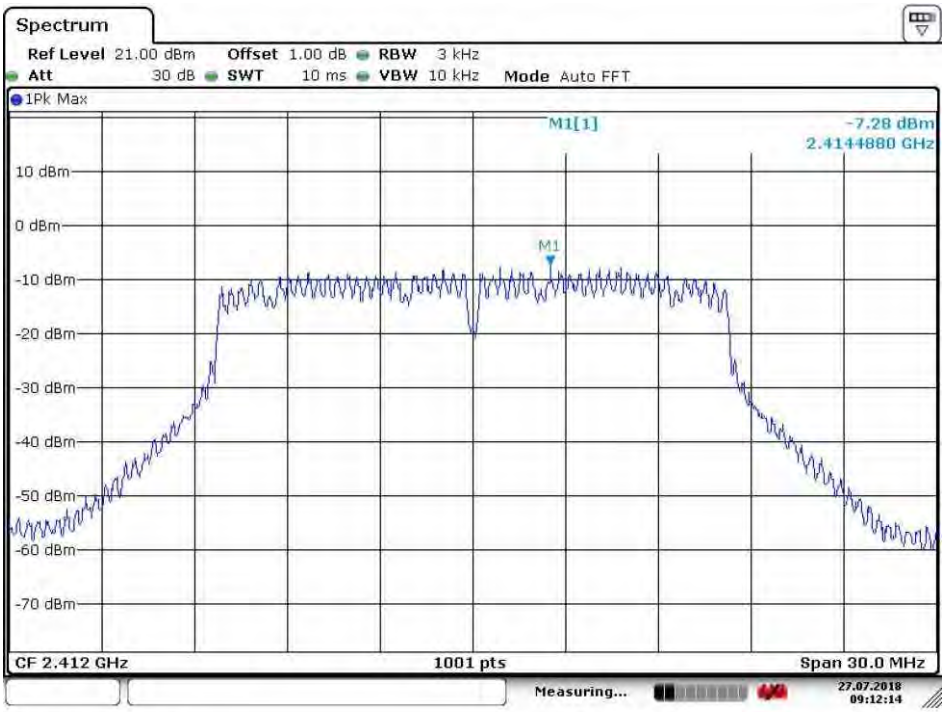
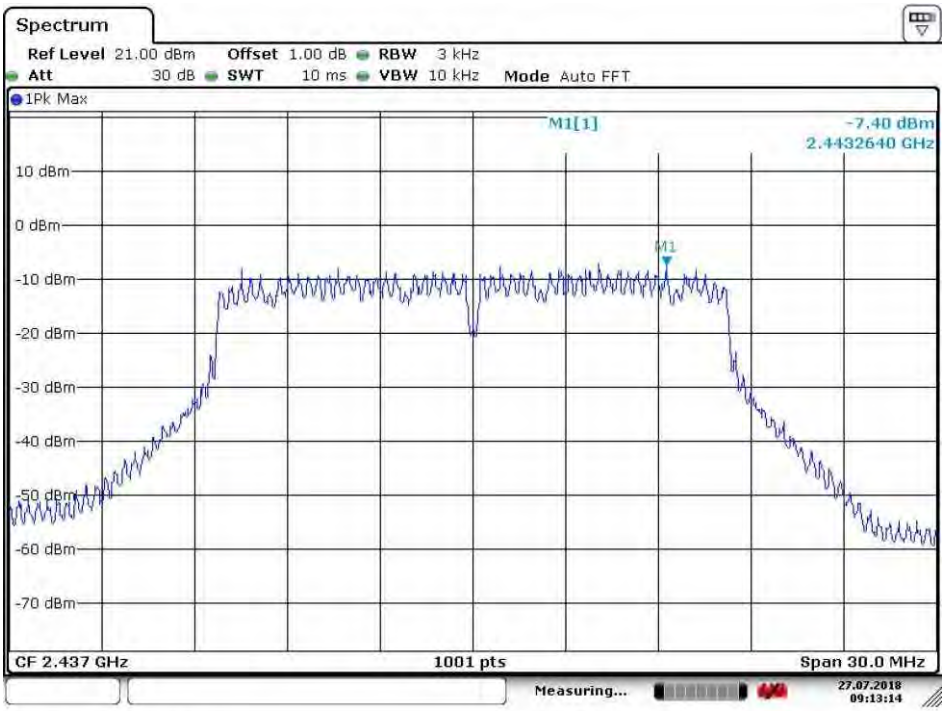
## CDD_ANT2

| Test mode: | 802.11g | Test channel: | Lowest |
|---|---|---|---|



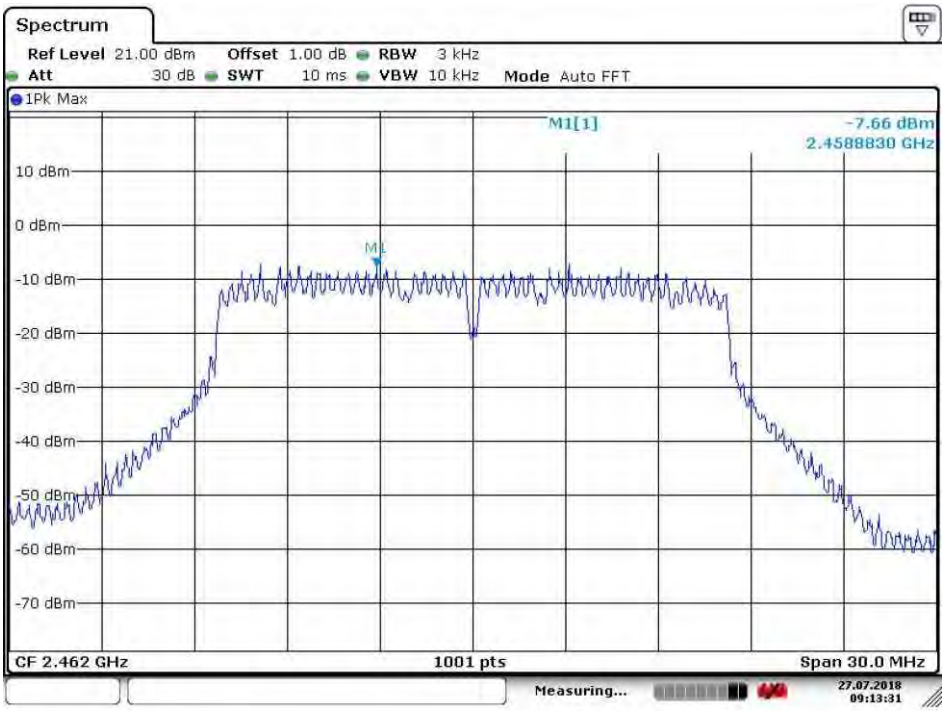

Date: 27.JUL.2018 09:12:14

| Test mode: | 802.11g | Test channel: | Middle |
|---|---|---|---|




Date: 27.JUL.2018 09:13:15

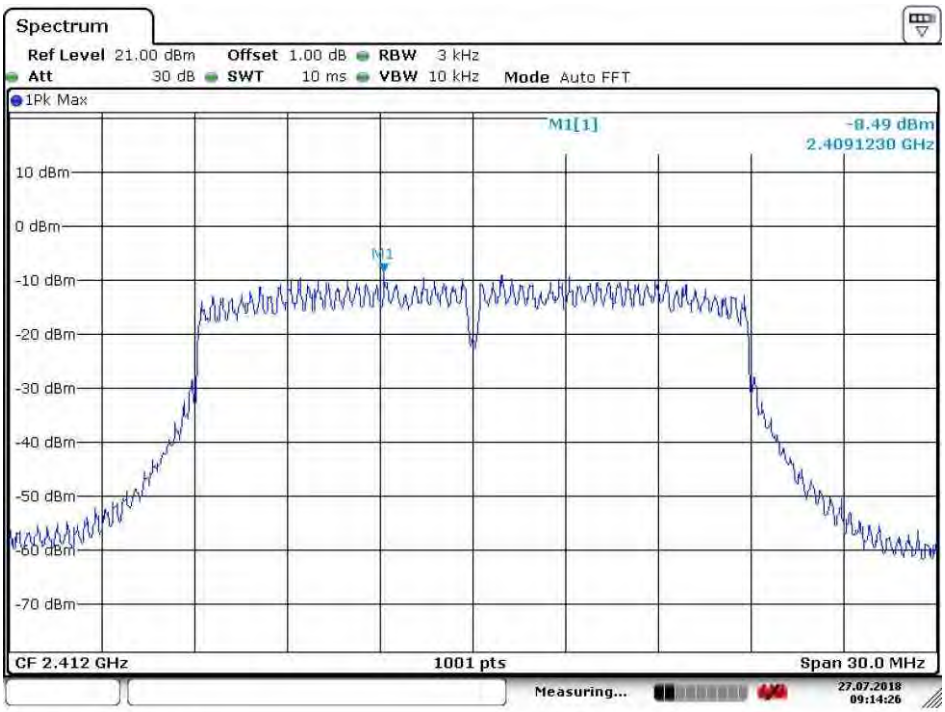
| Test mode: | 802.11g | Test channel: | Highest |
|---|---|---|---|




Date: 27.JUL.2018 09:13:31

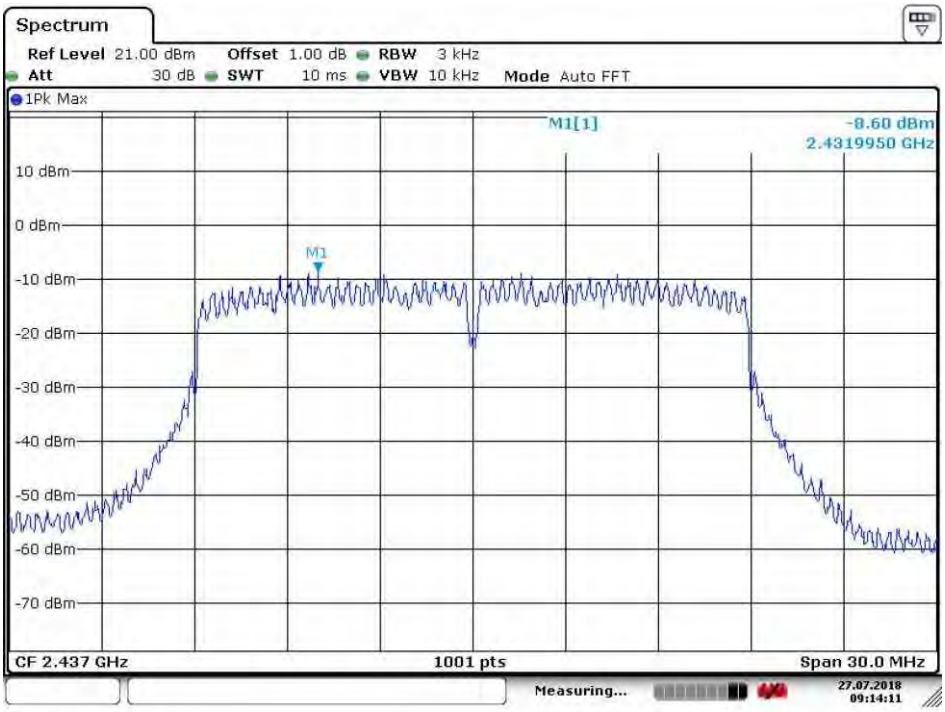
## MIMO_ANT2

| Test mode: | 802.11n(HT20) | Test channel: | Lowest |
|---|---|---|---|



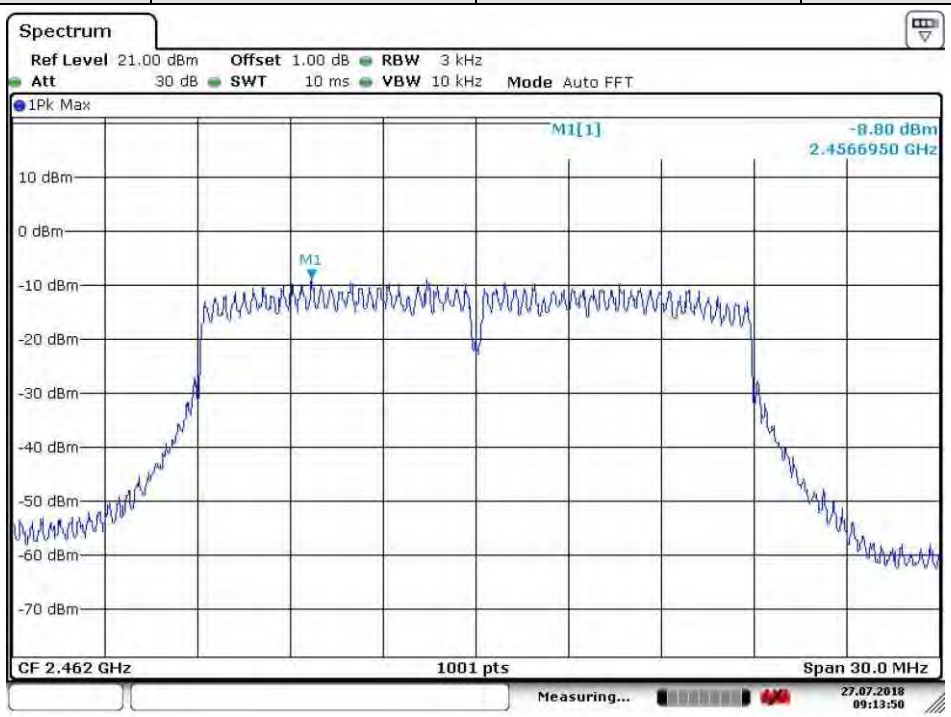

Date: 27.JUL.2018 09:14:27

| Test mode: | 802.11n(HT20) | Test channel: | Middle |
|---|---|---|---|



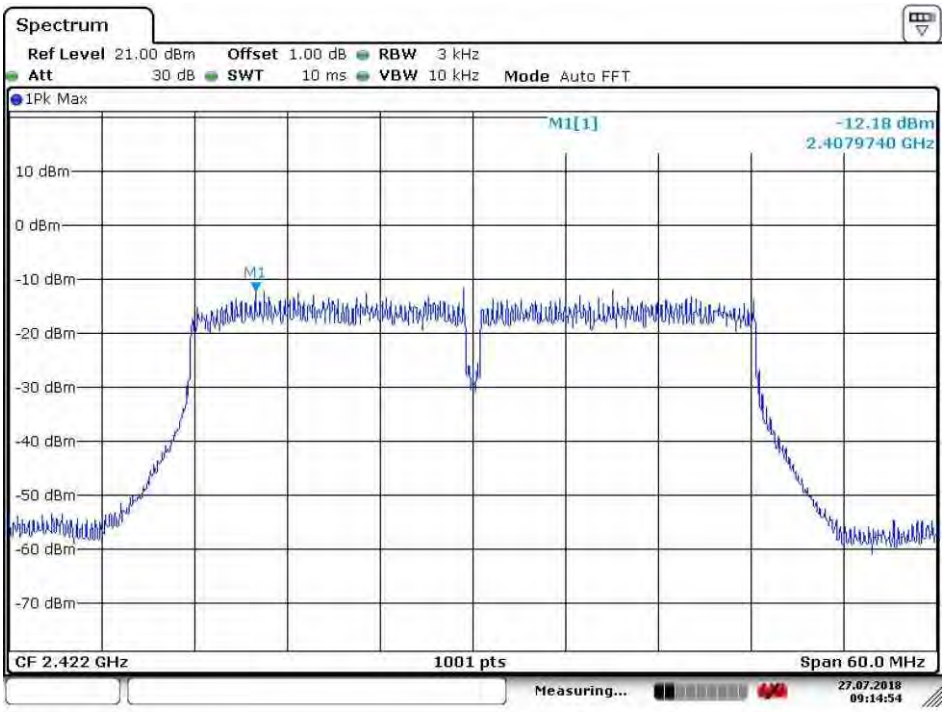

Date: 27.JUL.2018 09:14:11

| Test mode: | 802.11n(HT20) | Test channel: | Highest |
|---|---|---|---|



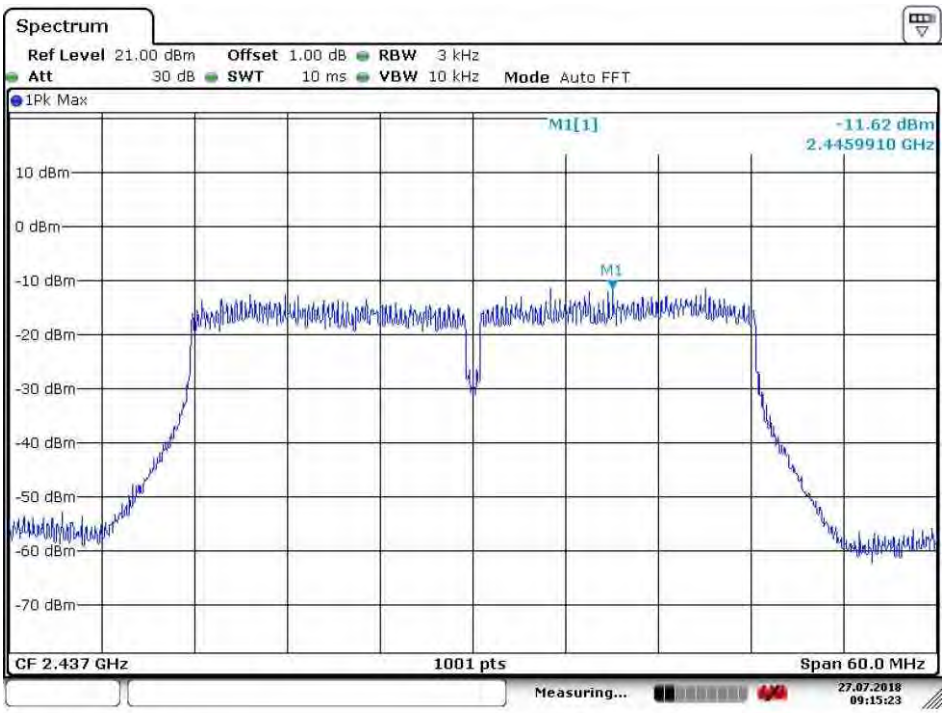

Date: 27.JUL.2018 09:13:50

| Test mode: | 802.11n(HT40) | Test channel: | Lowest |
|---|---|---|---|



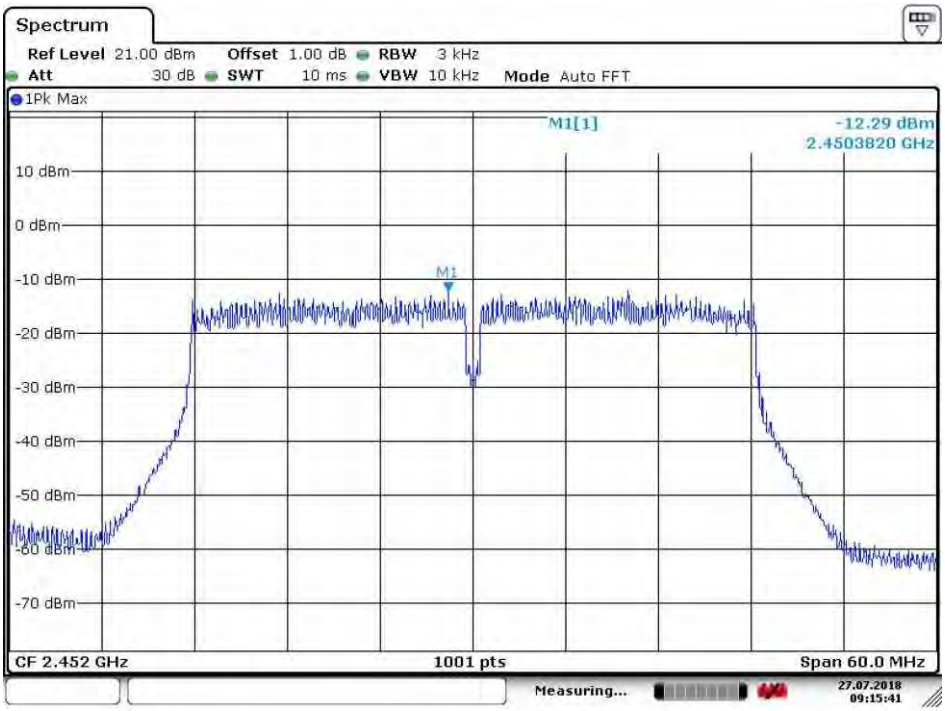

Date: 27.JUL.2018 09:14:54

| Test mode: | 802.11n(HT40) | Test channel: | Middle |
|---|---|---|---|

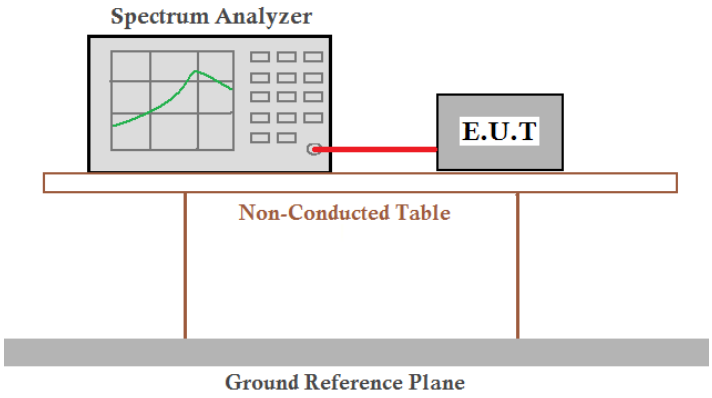



Date: 27.JUL.2018 09:15:24

| Test mode: | 802.11n(HT40) | Test channel: | Highest |
|---|---|---|---|



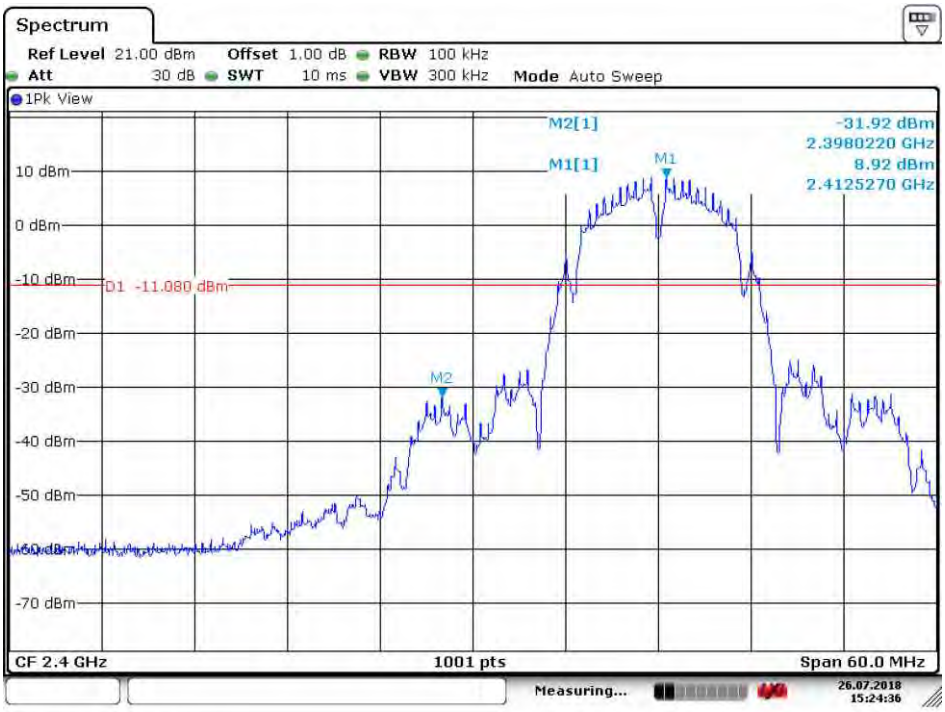
## 5.7 Band-edge for RF Conducted Emissions

| | |
|---|---|
| Test Requirement: | 47 CFR Part 15C Section 15.247 (d) |
| Test Method: | ANSI C63.10: 2013 Section 11.13 |
| Test Setup: |  |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates |
| Final Test Mode: | Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g ; 6.5Mbps of rate is the worst case of 802.11n(HT20) ; 13.5Mbps of rate is the worst case of 802.11n(HT40). |
| Limit: | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |
| Instruments Used: | Refer to section 5.10 for details |
| Test Results: | Pass |

**Test plot as follows:**

## SISO_ANT1

| Test mode: | 802.11b | Test channel: | Lowest |
|---|---|---|---|

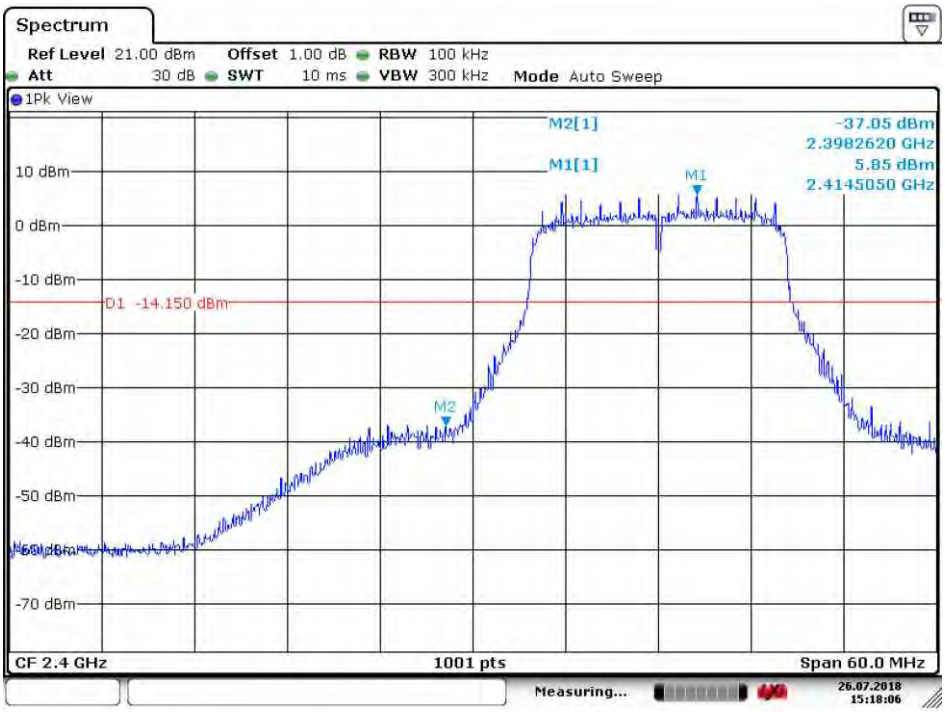



Date: 26.JUL.2018 15:24:36

| Test mode: | 802.11b | Test channel: | Highest |
|---|---|---|---|

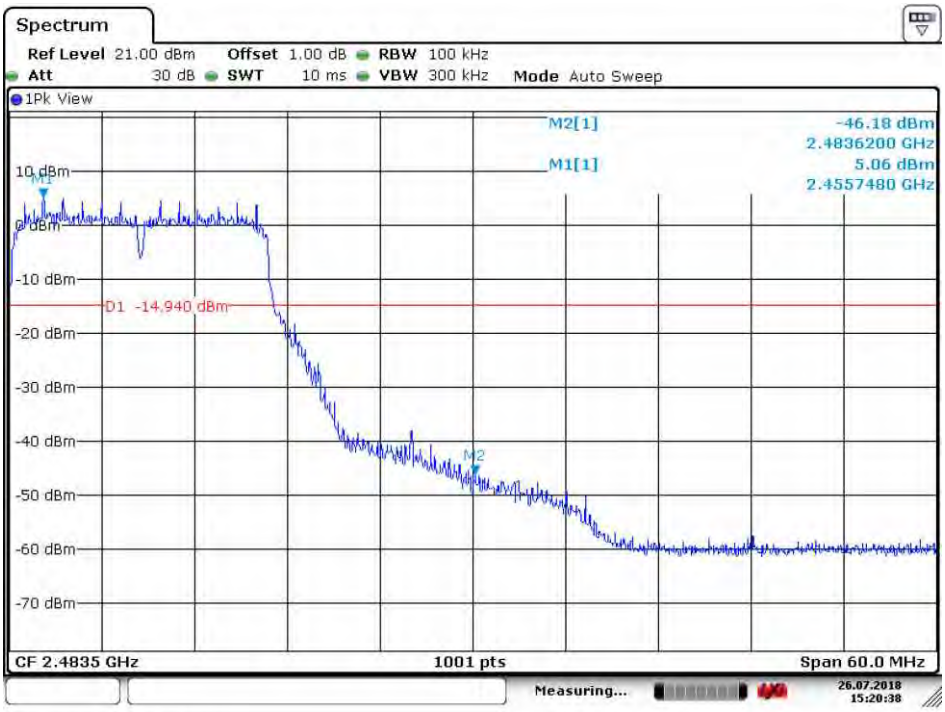

Date: 26.JUL.2018 15:21:58

| Test mode: | 802.11g | Test channel: | Lowest |
|---|---|---|---|



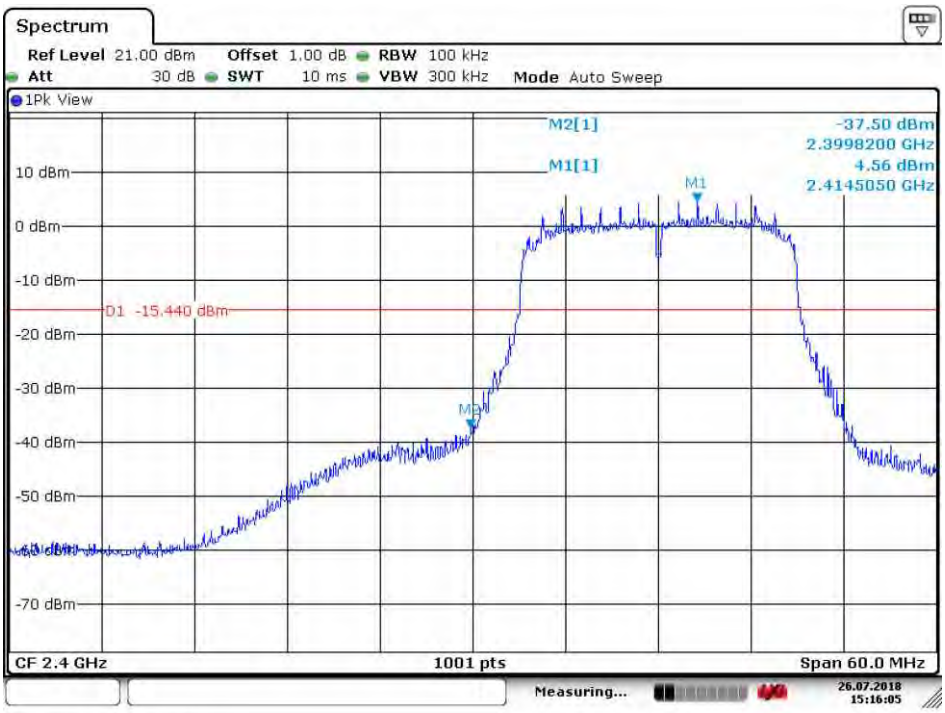

Date: 26.JUL.2018 15:18:06

| Test mode: | 802.11g | Test channel: | Highest |
|---|---|---|---|



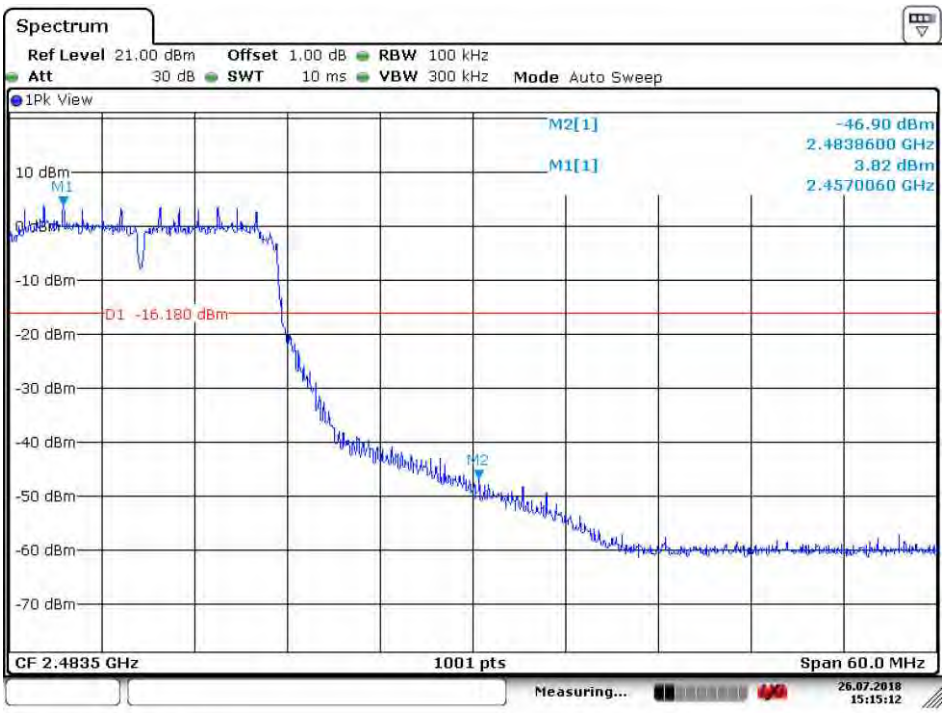

Date: 26.JUL.2018 15:20:38

| Test mode: | 802.11n(HT20) | Test channel: | Lowest |
|---|---|---|---|



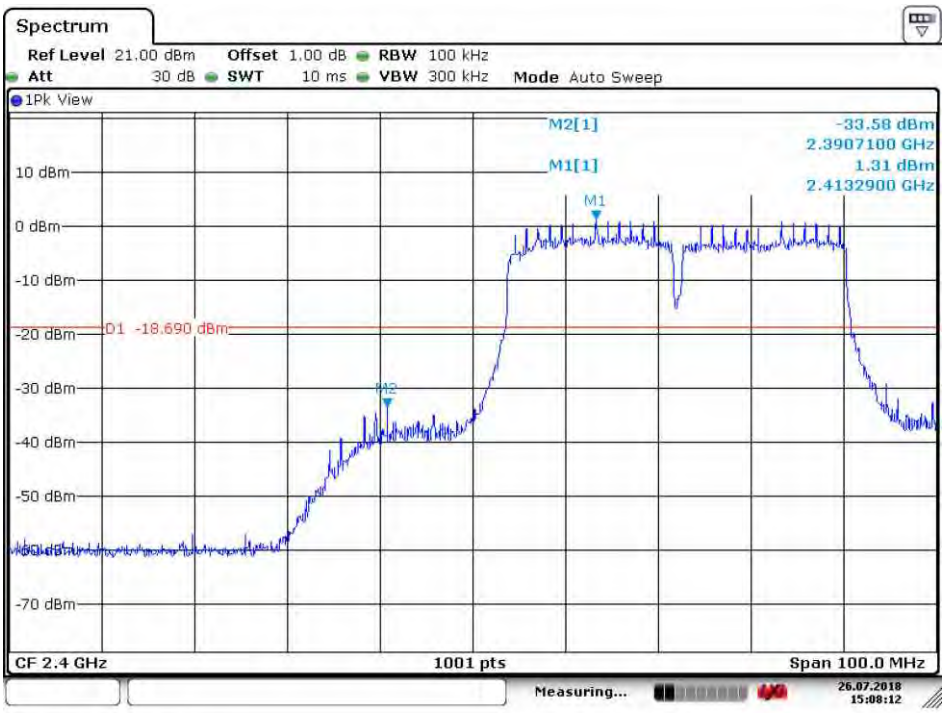

Date: 26.JUL.2018 15:16:05

| Test mode: | 802.11n(HT20) | Test channel: | Highest |
|---|---|---|---|



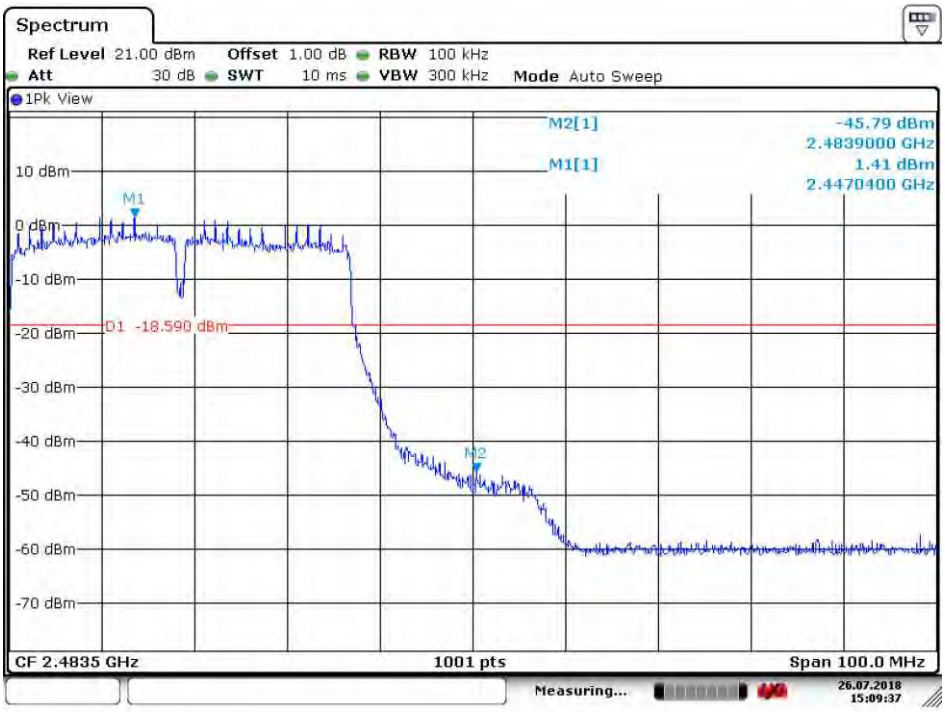

Date: 26.JUL.2018 15:15:12

| Test mode: | 802.11n(HT40) | Test channel: | Lowest |
|---|---|---|---|




Date: 26.JUL.2018 15:08:13

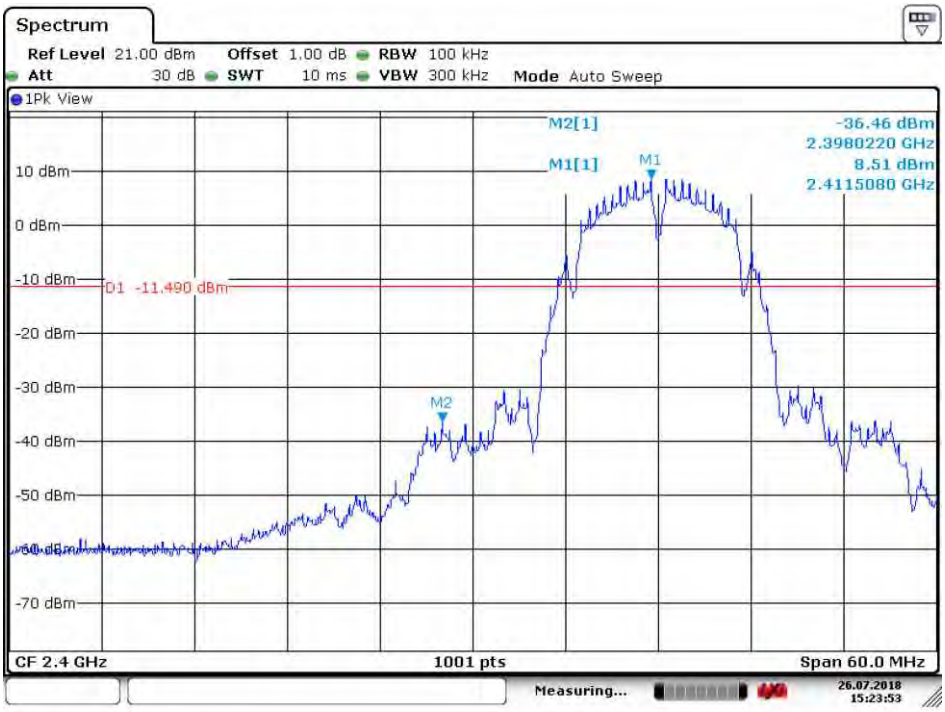
| Test mode: | 802.11n(HT40) | Test channel: | Highest |
|---|---|---|---|




Date: 26.JUL.2018 15:09:37

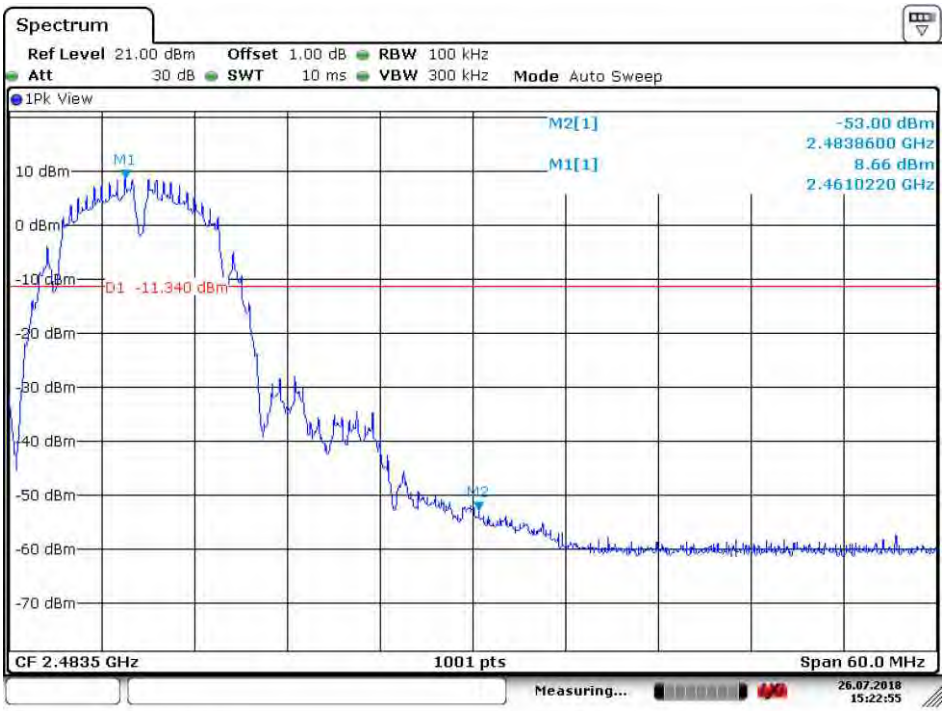
## SISO_ANT2

| Test mode: | 802.11b | Test channel: | Lowest |
|---|---|---|---|



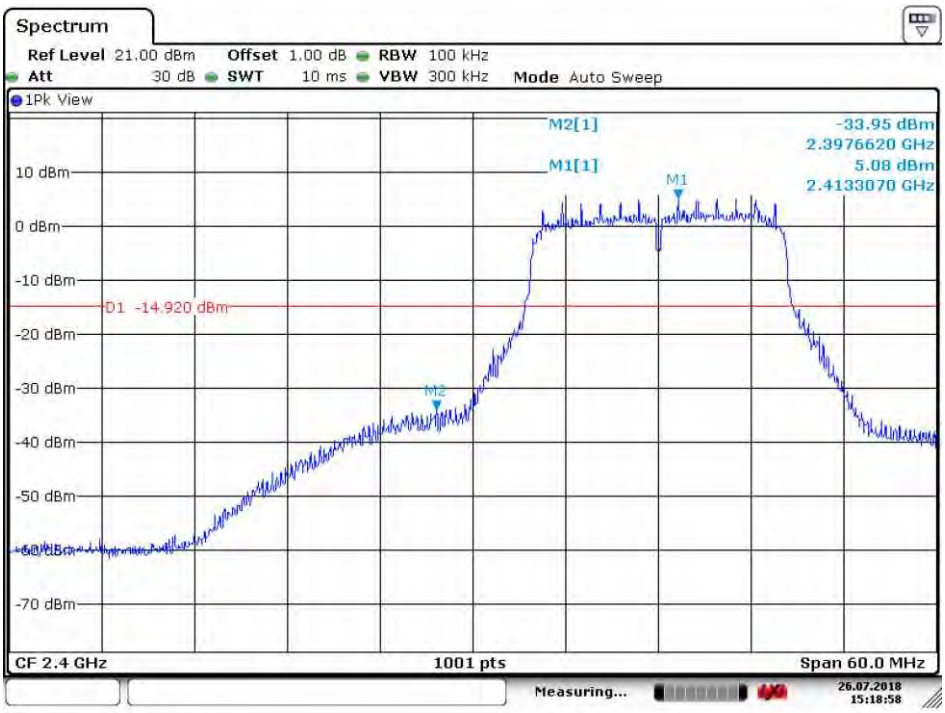

Date: 26.JUL.2018 15:23:54

| Test mode: | 802.11b | Test channel: | Highest |
|---|---|---|---|



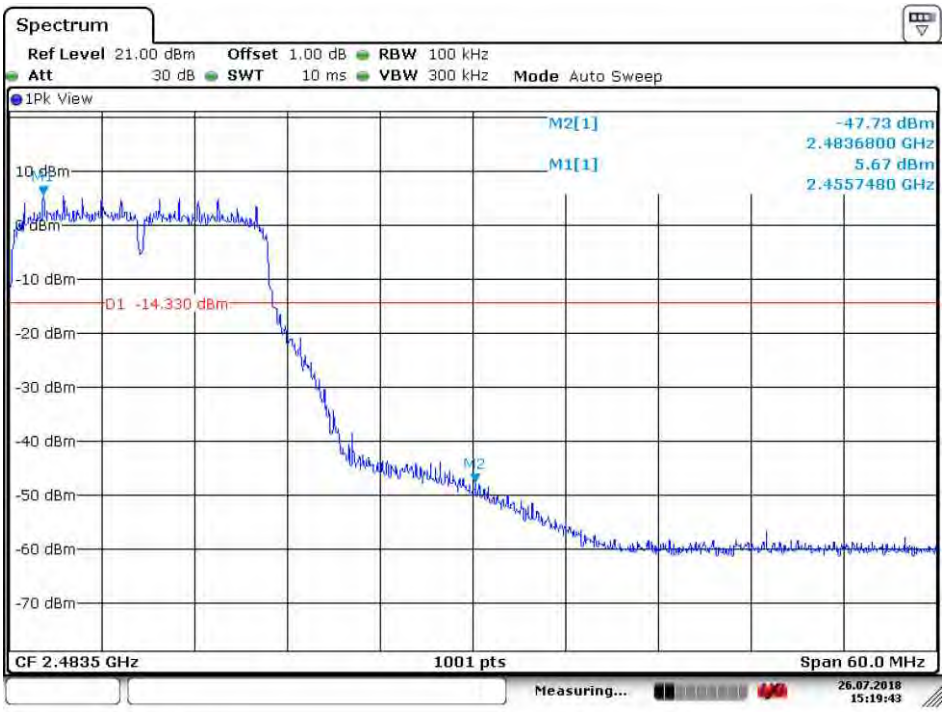

Date: 26.JUL.2018 15:22:55

| Test mode: | 802.11g | Test channel: | Lowest |
|---|---|---|---|



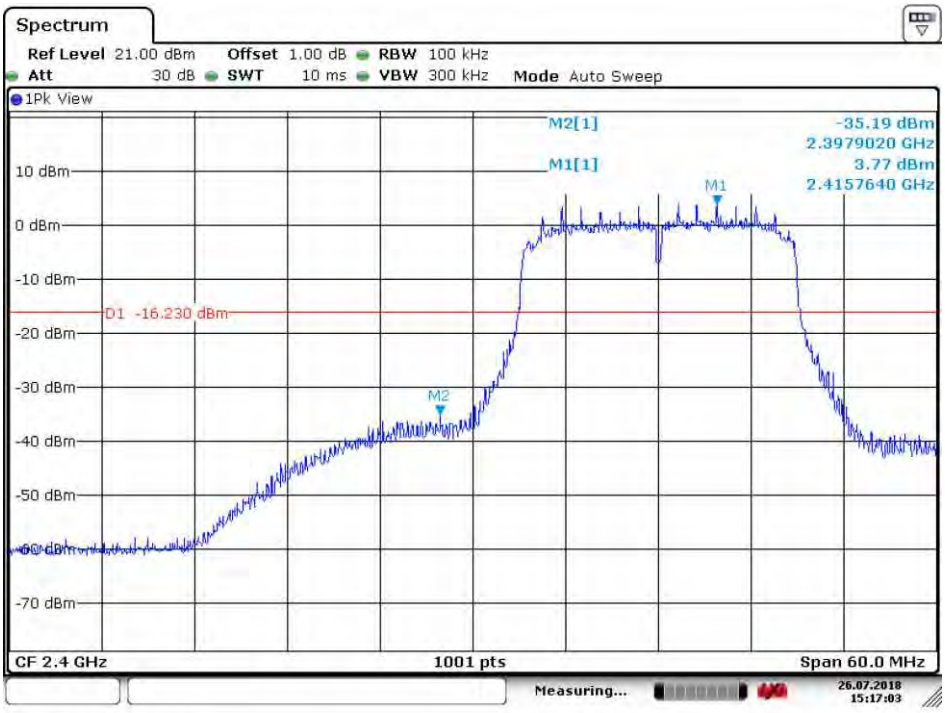

Date: 26.JUL.2018 15:18:59

| Test mode: | 802.11g | Test channel: | Highest |
|---|---|---|---|



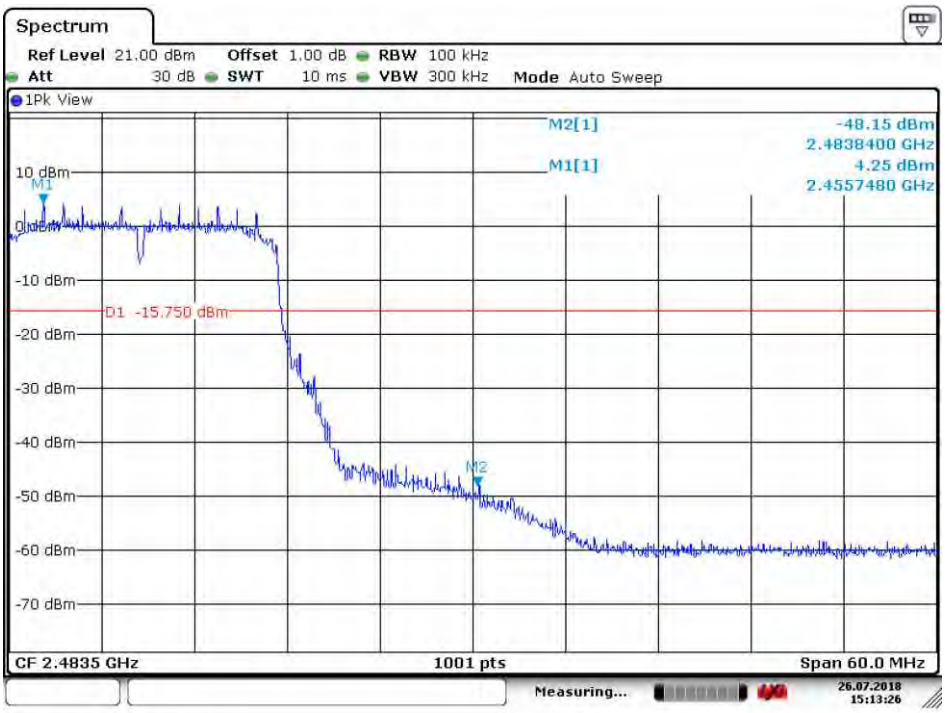

Date: 26.JUL.2018 15:19:43

| Test mode: | 802.11n(HT20) | Test channel: | Lowest |
|---|---|---|---|



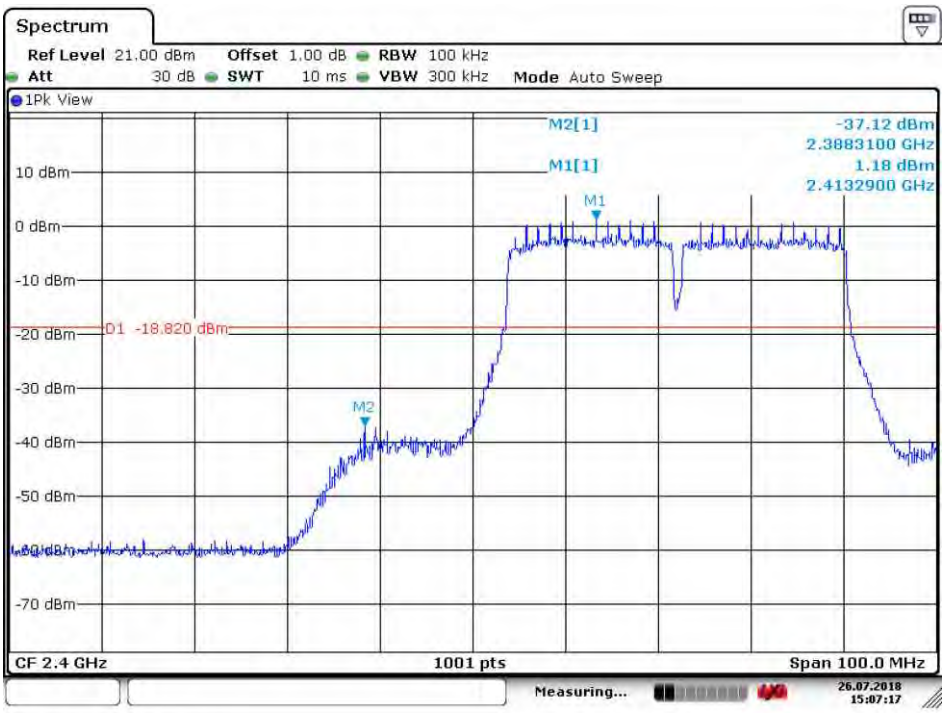

Date: 26.JUL.2018 15:17:03

| Test mode: | 802.11n(HT20) | Test channel: | Highest |
|---|---|---|---|



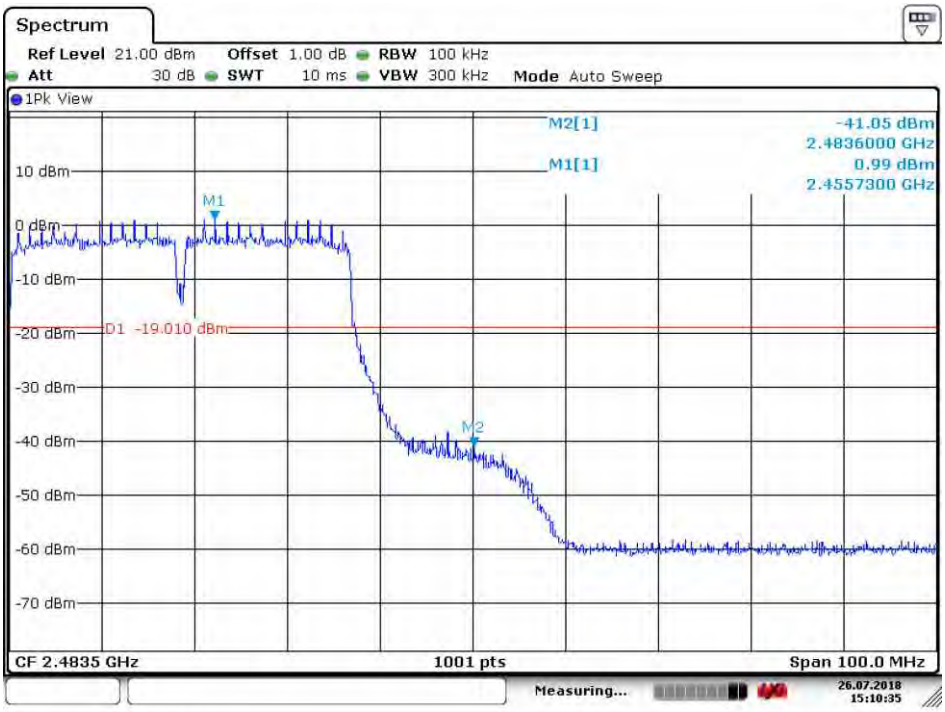

Date: 26.JUL.2018 15:13:26

| Test mode: | 802.11n(HT40) | Test channel: | Lowest |
|---|---|---|---|




Date: 26.JUL.2018 15:07:17

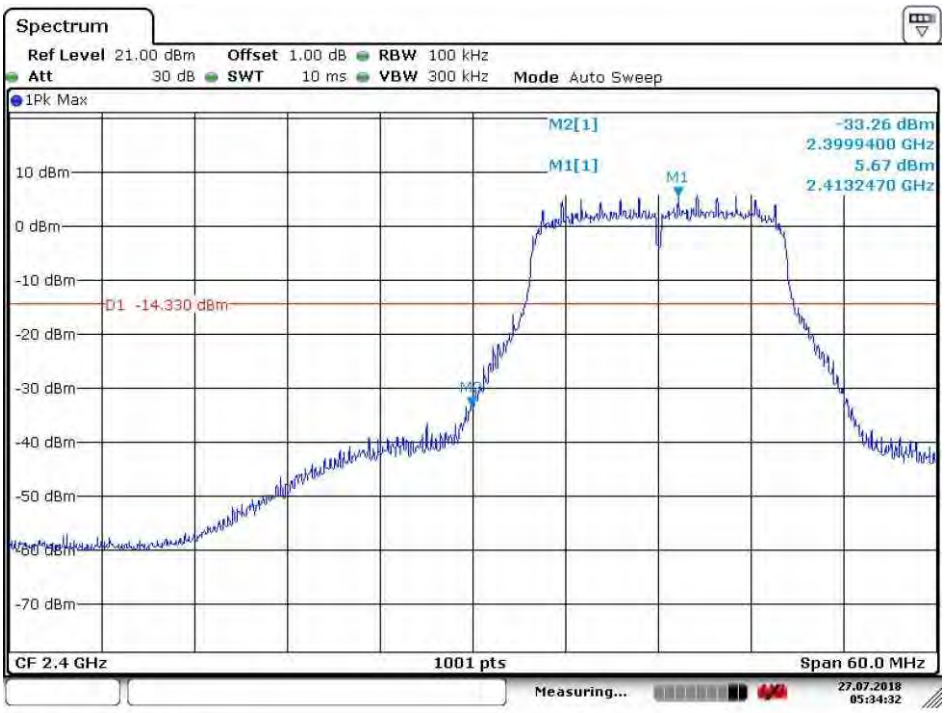
| Test mode: | 802.11n(HT40) | Test channel: | Highest |
|---|---|---|---|




Date: 26.JUL.2018 15:10:36

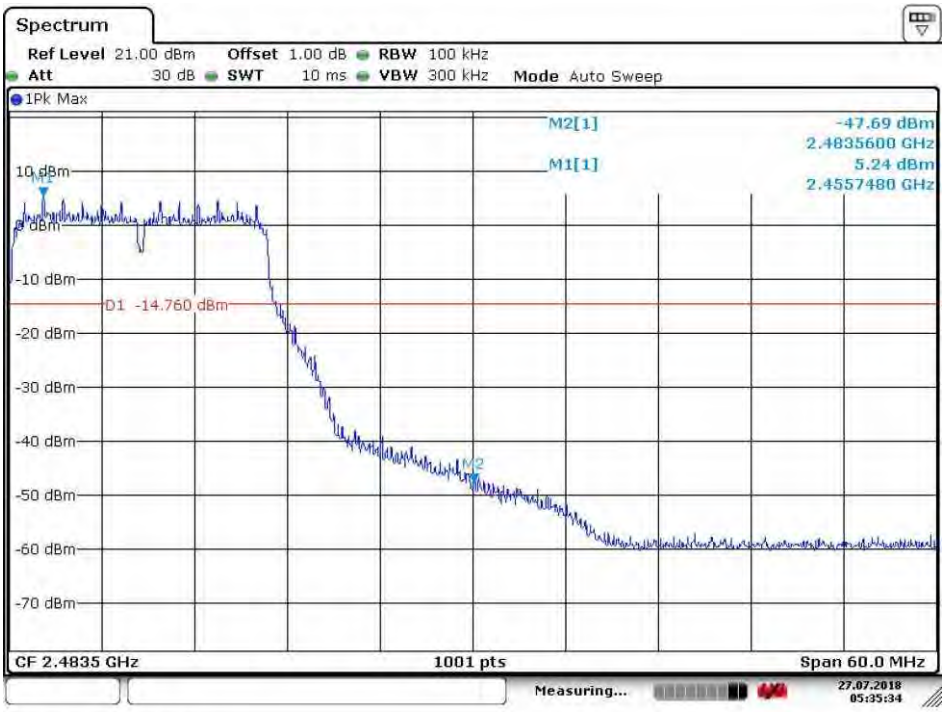
## CDD_ANT1

| Test mode: | 802.11g | Test channel: | Lowest |
|---|---|---|---|




Date: 27.JUL.2018 05:34:32

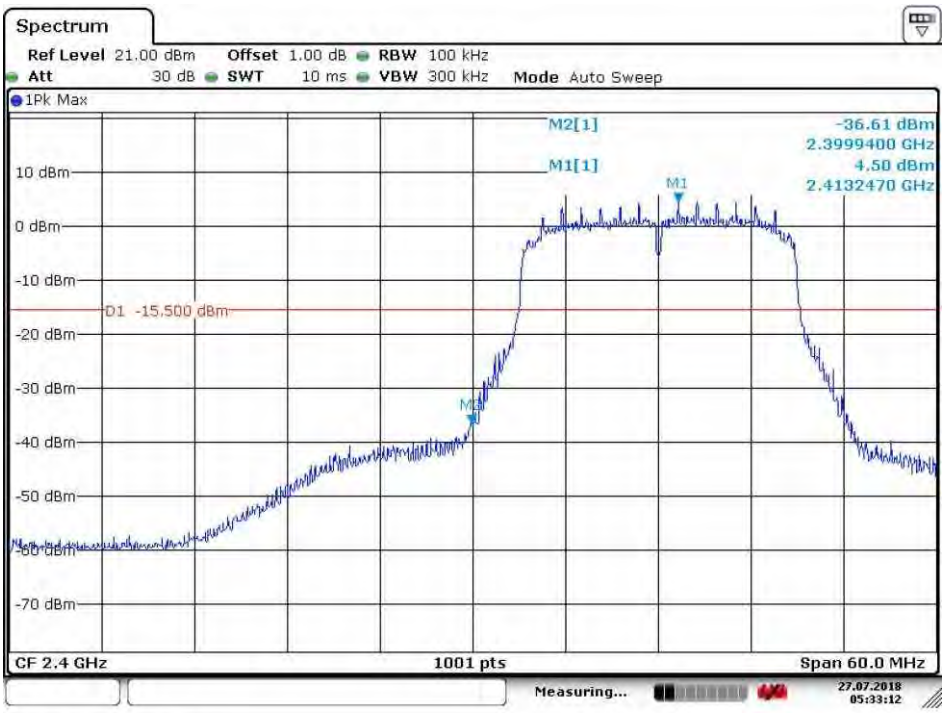
| Test mode: | 802.11g | Test channel: | Highest |
|---|---|---|---|




Date: 27.JUL.2018 05:35:35

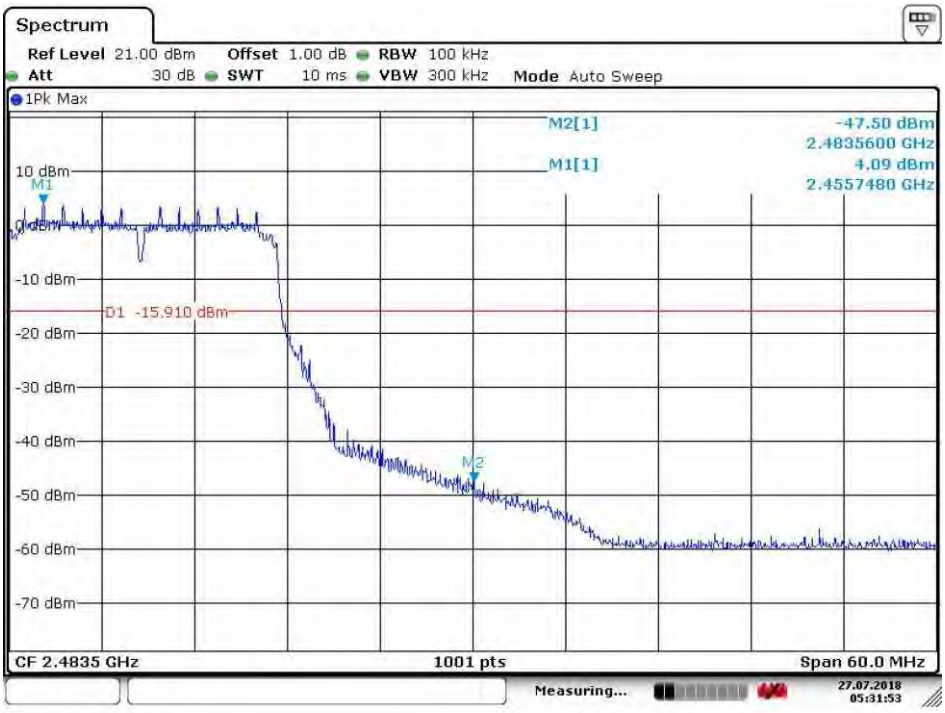
**MIMO_ANT1**

| Test mode: | 802.11n(HT20) | Test channel: | Lowest |
|---|---|---|---|



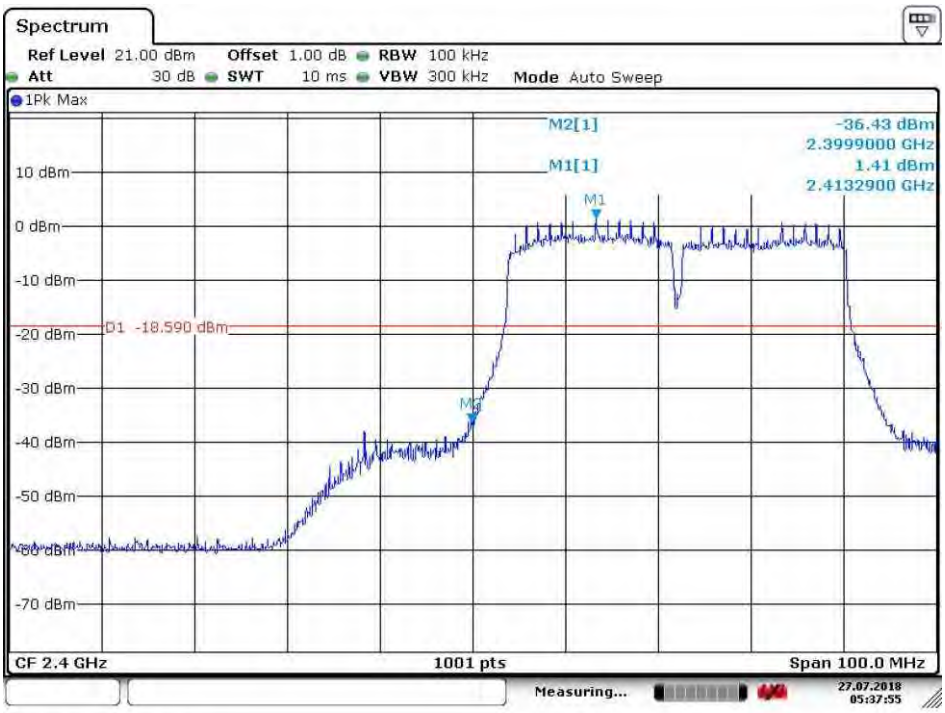

Date: 27.JUL.2018 05:33:12

| Test mode: | 802.11n(HT20) | Test channel: | Highest |
|---|---|---|---|



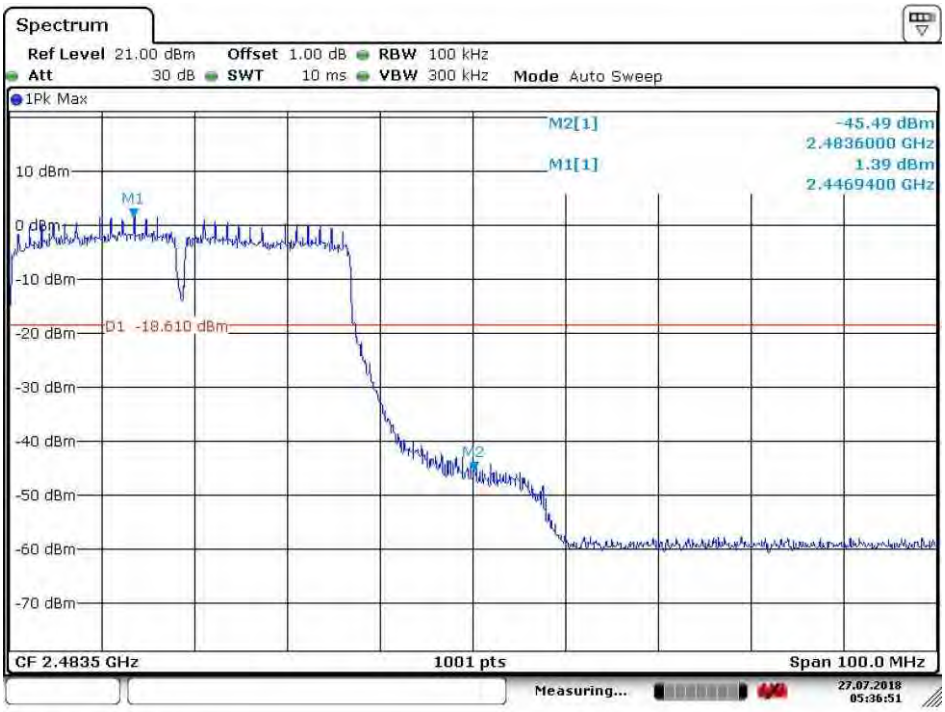

Date: 27.JUL.2018 05:31:53

| Test mode: | 802.11n(HT40) | Test channel: | Lowest |
|---|---|---|---|




Date: 27.JUL.2018 05:37:55

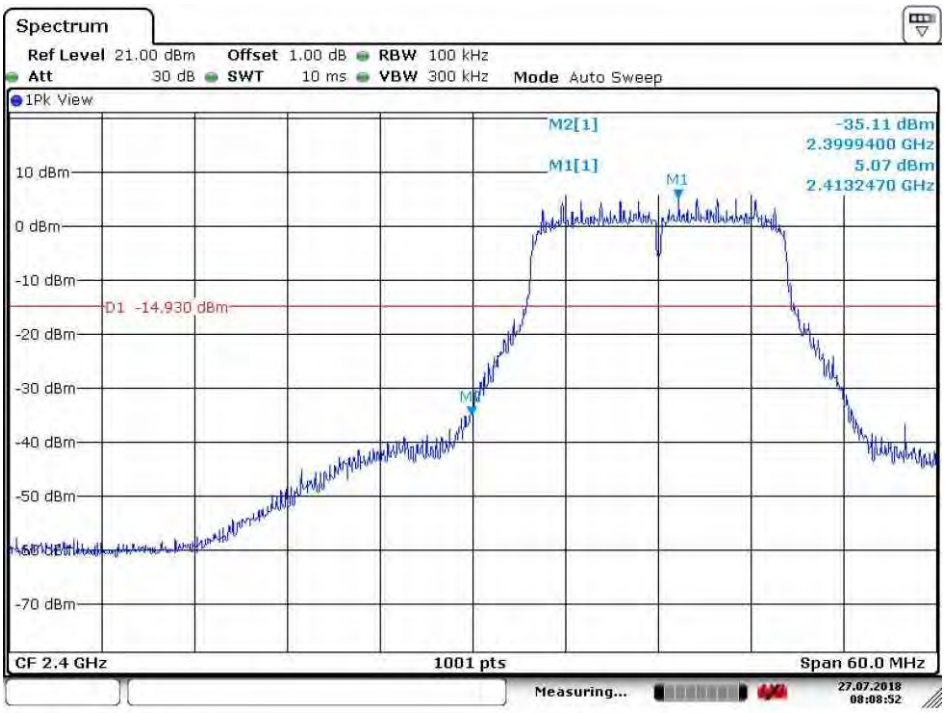
| Test mode: | 802.11n(HT40) | Test channel: | Highest |
|---|---|---|---|




Date: 27.JUL.2018 05:36:51

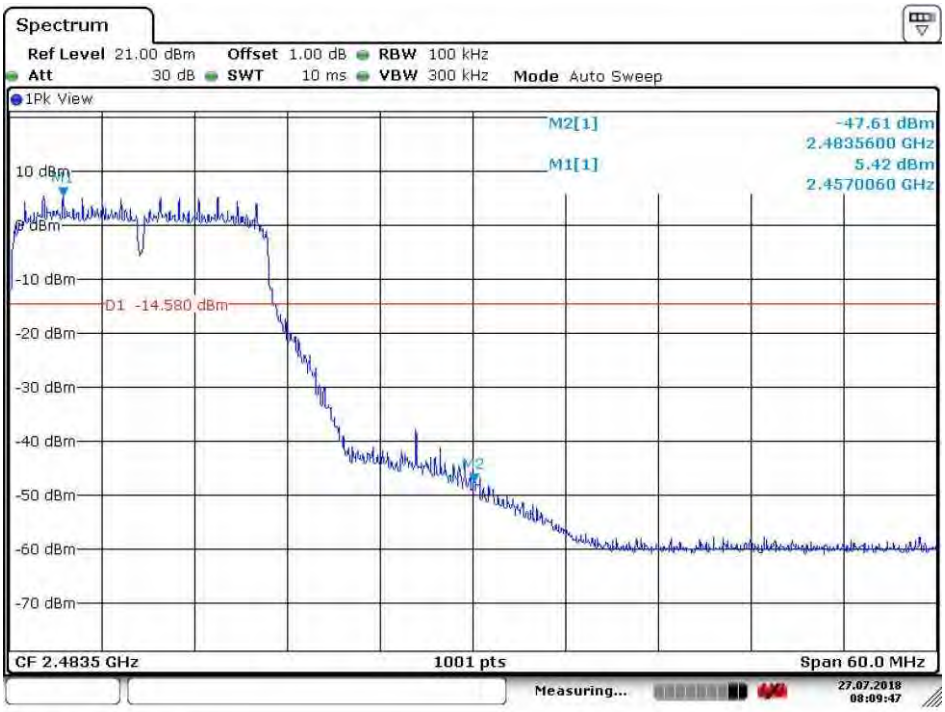
## CDD_ANT2

| Test mode: | 802.11g | Test channel: | Lowest |
|---|---|---|---|




Date: 27.JUL.2018 08:08:53

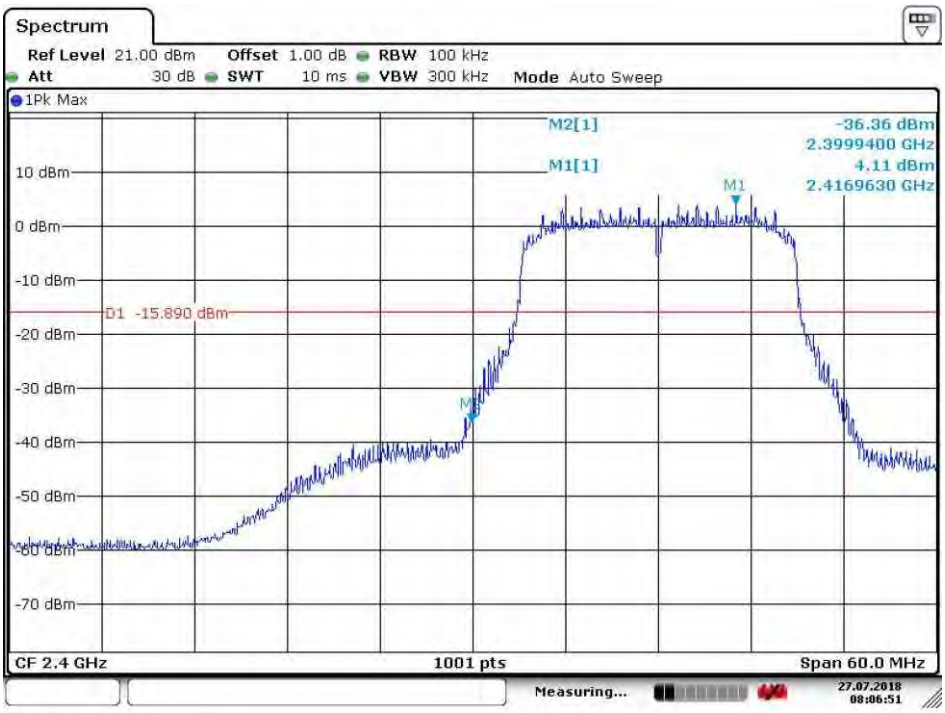
| Test mode: | 802.11g | Test channel: | Highest |
|---|---|---|---|




Date: 27.JUL.2018 08:09:47

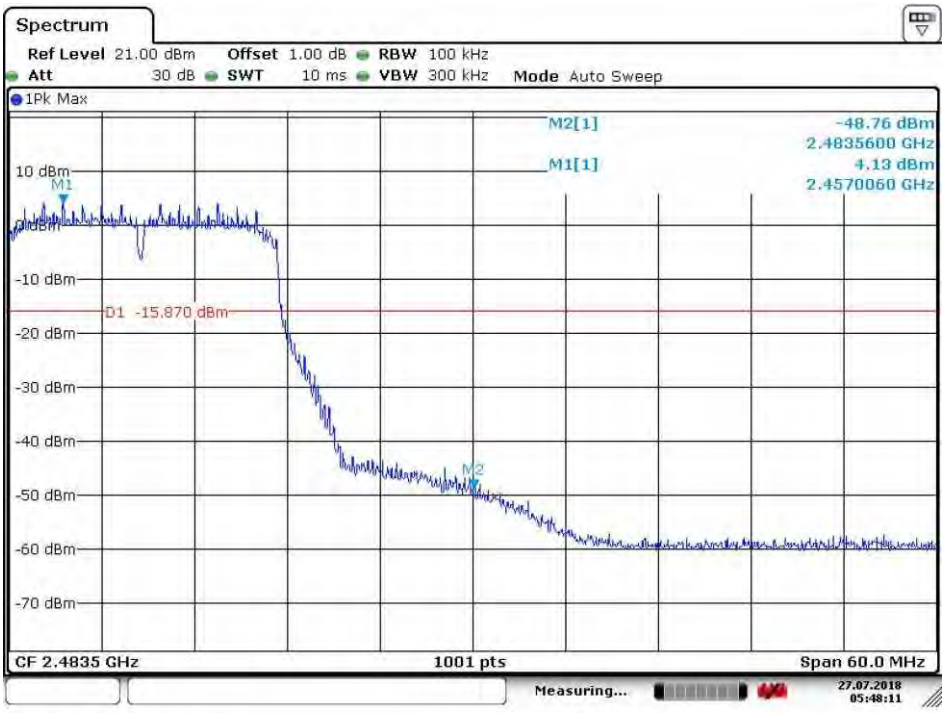
**MIMO_ANT2**

| Test mode: | 802.11n(HT20) | Test channel: | Lowest |
|---|---|---|---|



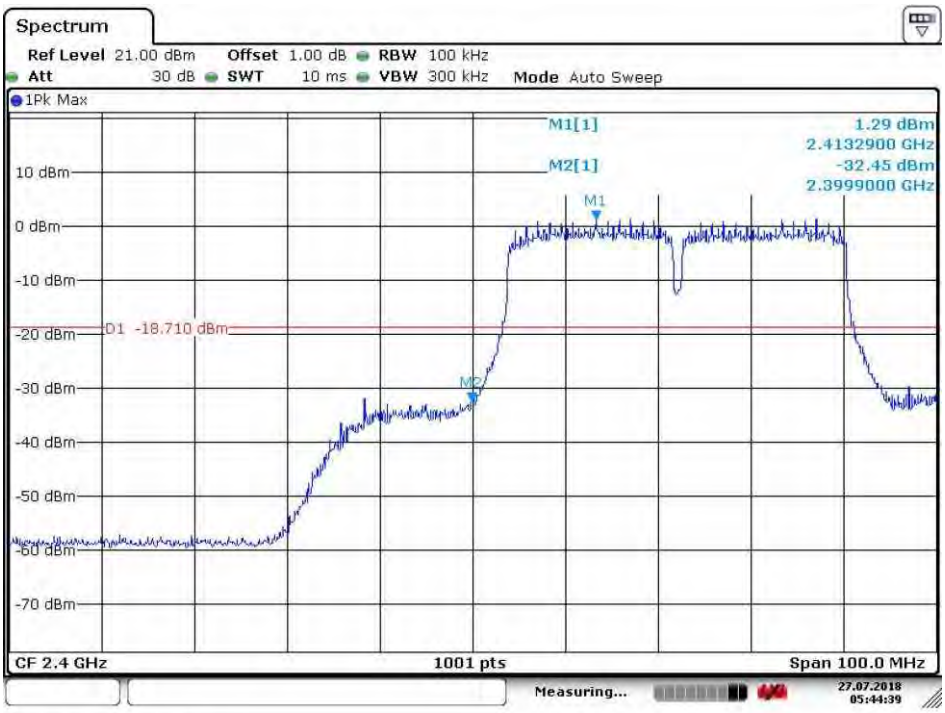

Date: 27.JUL.2018 08:06:51

| Test mode: | 802.11n(HT20) | Test channel: | Highest |
|---|---|---|---|



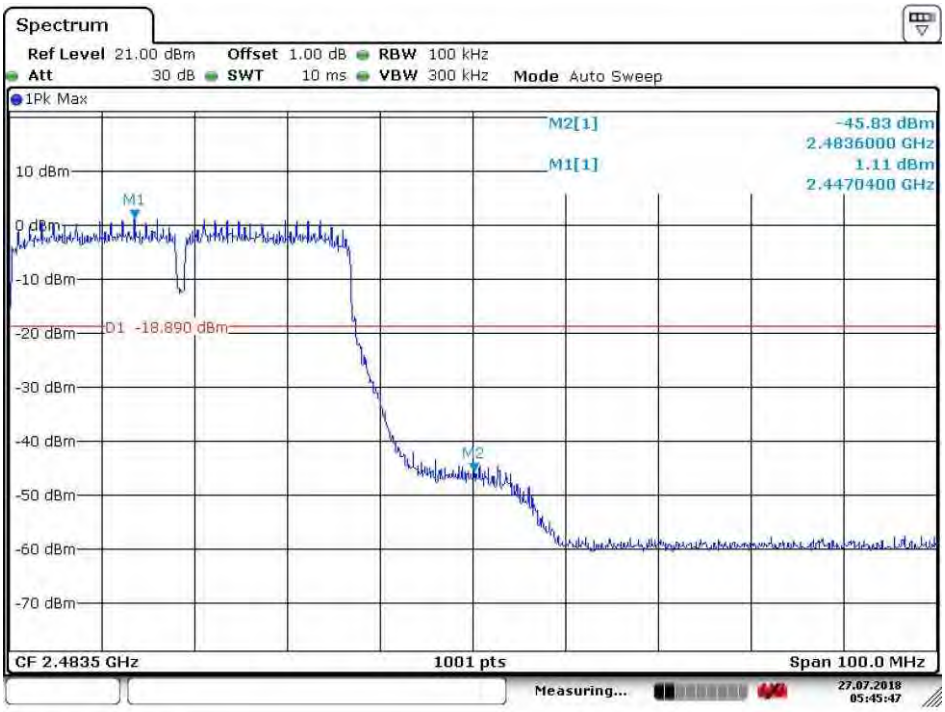

Date: 27.JUL.2018 05:48:11

| Test mode: | 802.11n(HT40) | Test channel: | Lowest |
|---|---|---|---|



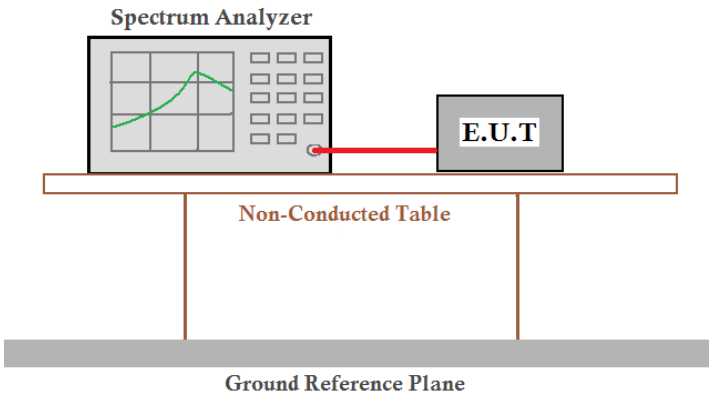

Date: 27.JUL.2018 05:44:39

| Test mode: | 802.11n(HT40) | Test channel: | Highest |
|---|---|---|---|




Date: 27.JUL.2018 05:45:47

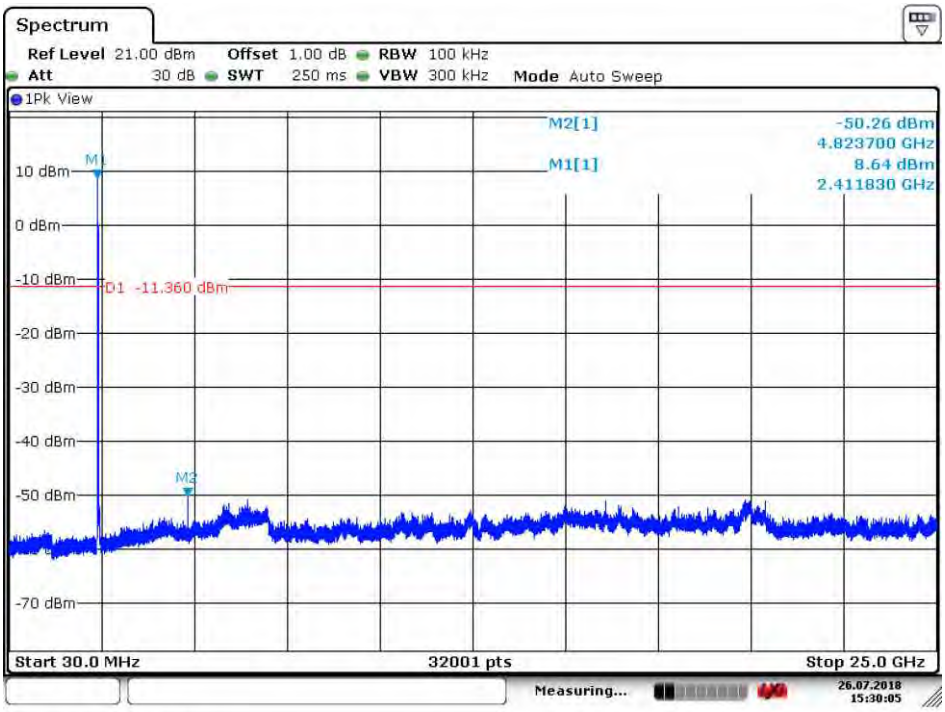
## 5.8 RF Conducted Spurious Emissions

| | |
|---|---|
| Test Requirement: | 47 CFR Part 15C Section 15.247 (d) |
| Test Method: | ANSI C63.10: 2013 Section 11.11 |
| Test Setup: |  |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates |
| Final Test Mode: | Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40). |
| Limit: | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |
| Instruments Used: | Refer to section 5.10 for details |
| Test Results: | Pass |

**Test plot as follows:**

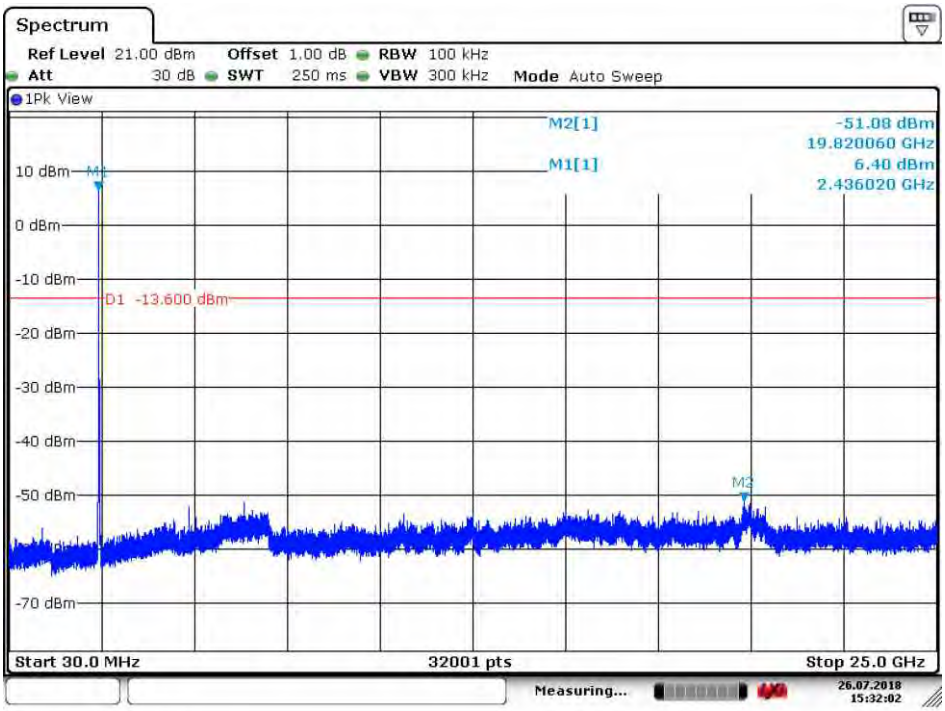
**SISO_ANT1**

| Test mode: | 802.11b | Test channel: | Lowest |
|---|---|---|---|



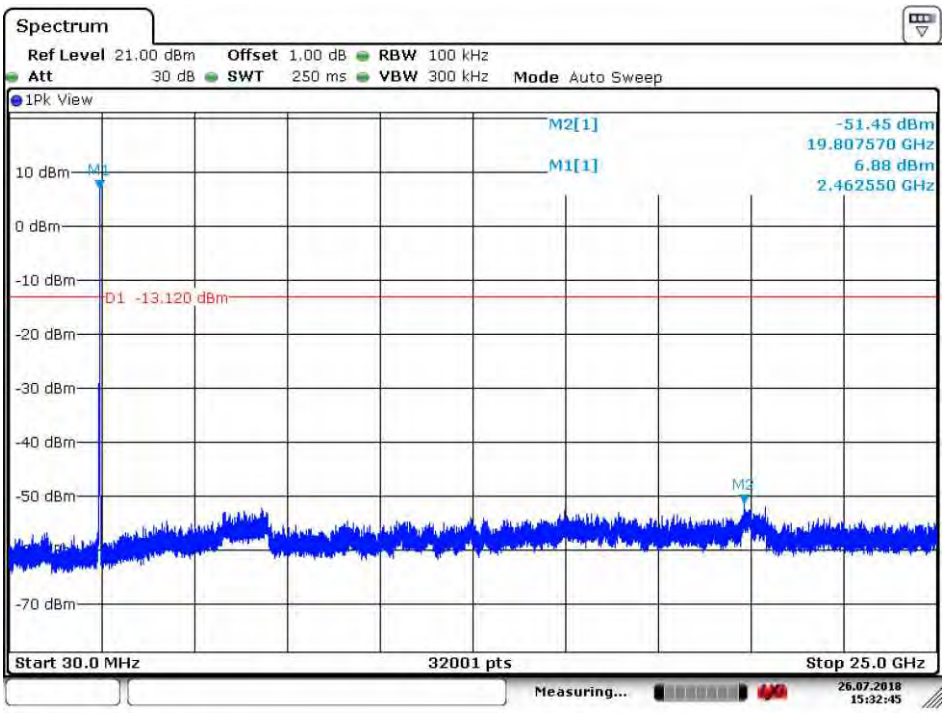

Date: 26.JUL.2018 15:30:05

| Test mode: | 802.11b | Test channel: | Middle |
|---|---|---|---|



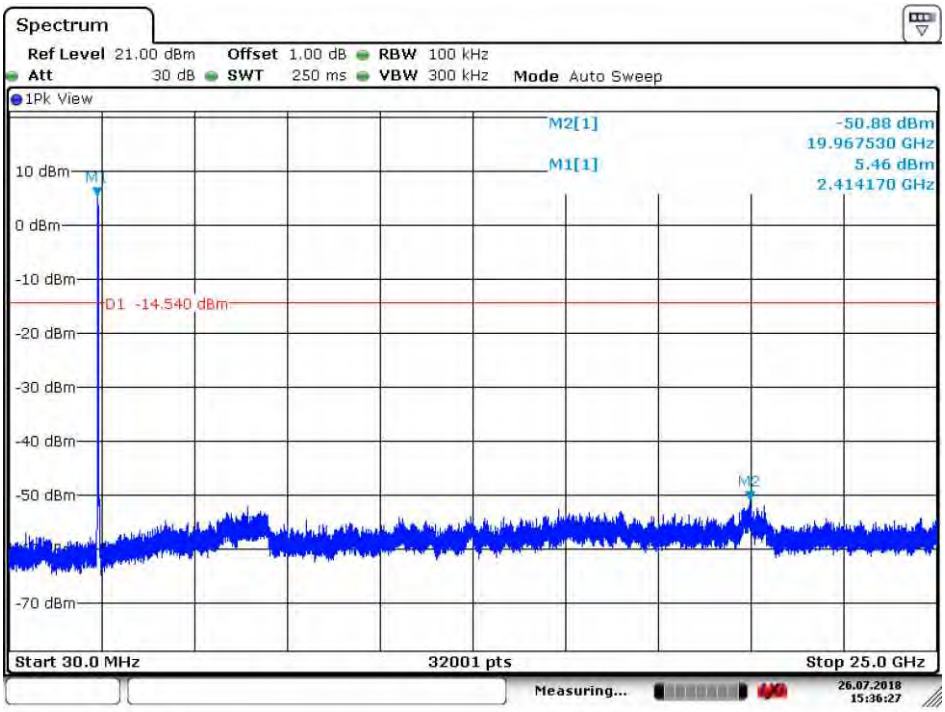

Date: 26.JUL.2018 15:32:02

| Test mode: | 802.11b | Test channel: | Highest |
|---|---|---|---|



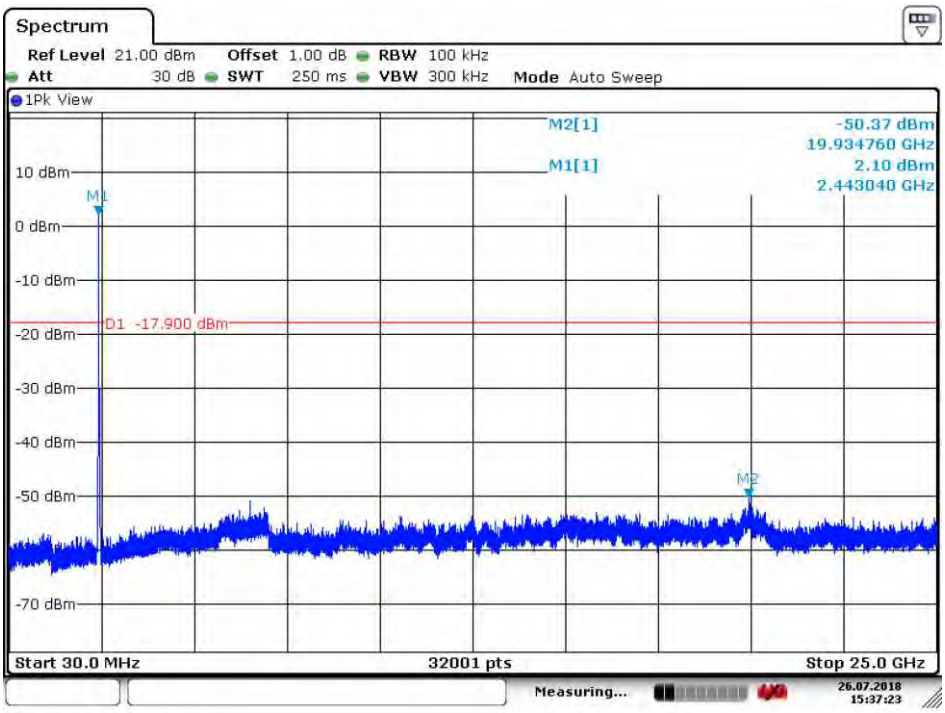

Date: 26.JUL.2018 15:32:45

| Test mode: | 802.11g | Test channel: | Lowest |
|---|---|---|---|



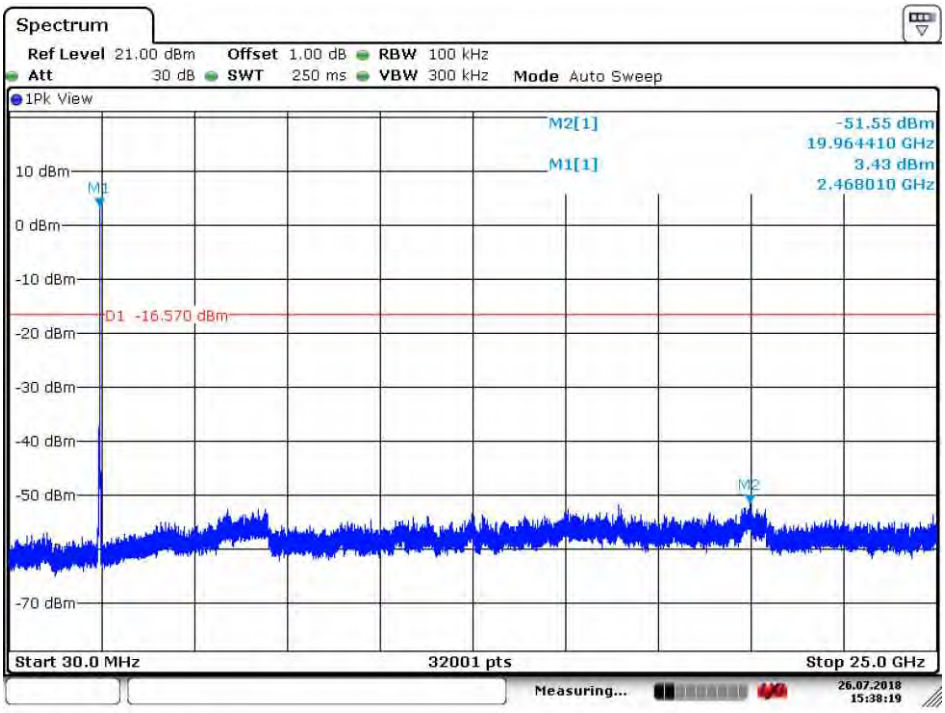

Date: 26.JUL.2018 15:36:28

| Test mode: | 802.11g | Test channel: | Middle |
|---|---|---|---|



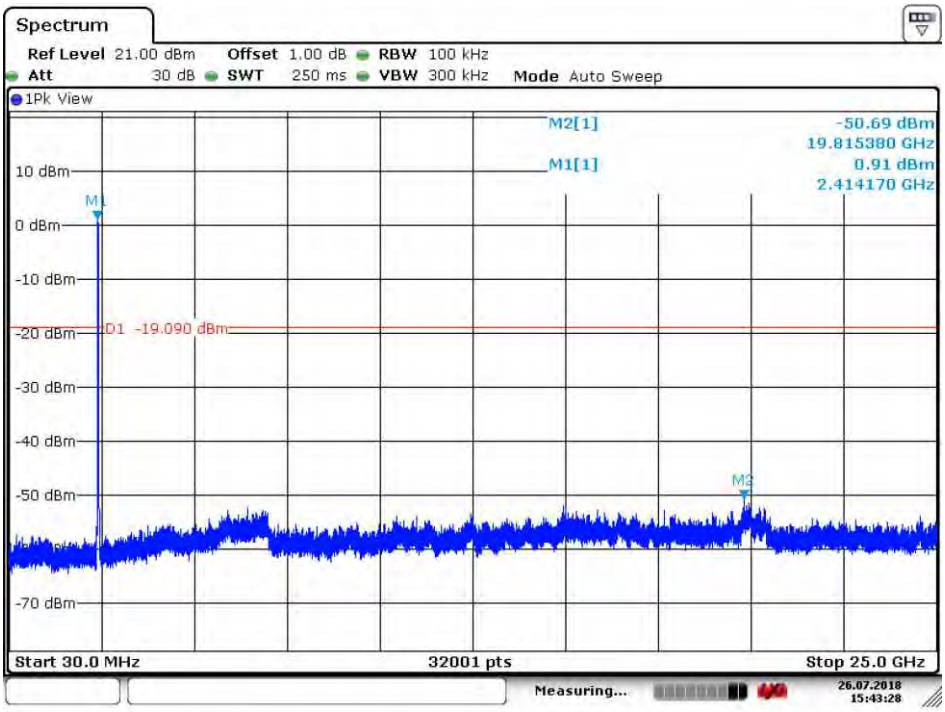

Date: 26.JUL.2018 15:37:23

| Test mode: | 802.11g | Test channel: | Highest |
|---|---|---|---|



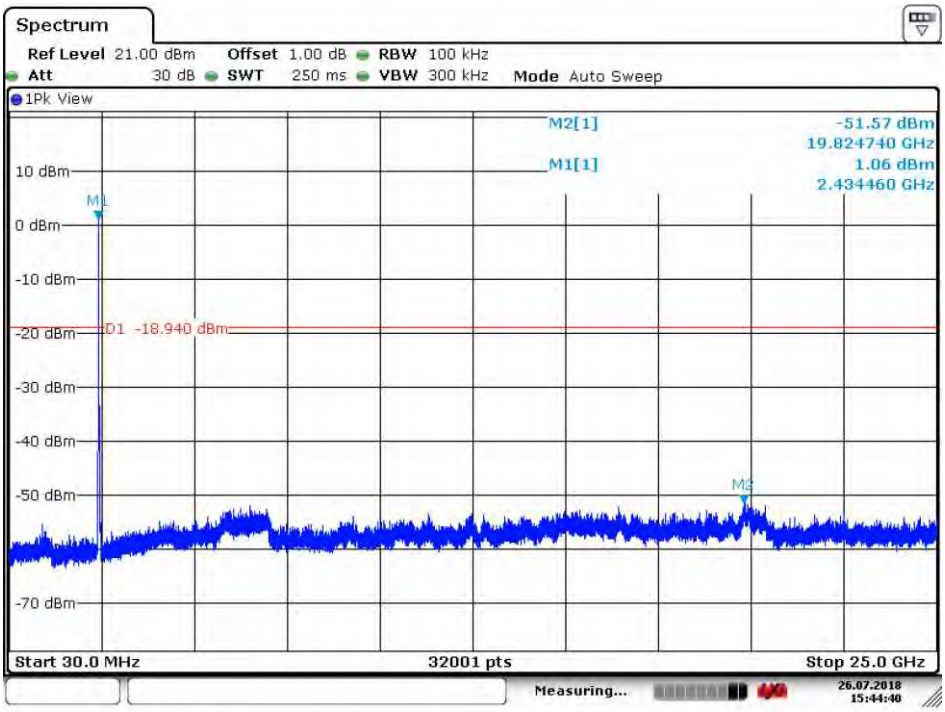

Date: 26.JUL.2018 15:38:20

| Test mode: | 802.11n(HT20) | Test channel: | Lowest |
|---|---|---|---|



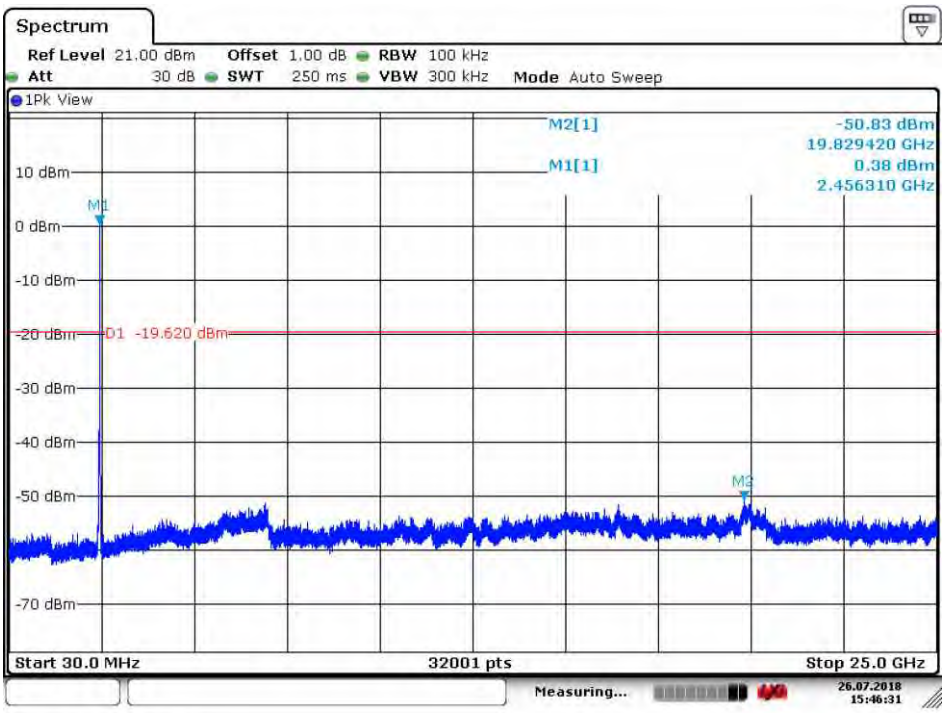

Date: 26.JUL.2018 15:43:28

| Test mode: | 802.11n(HT20) | Test channel: | Middle |
|---|---|---|---|



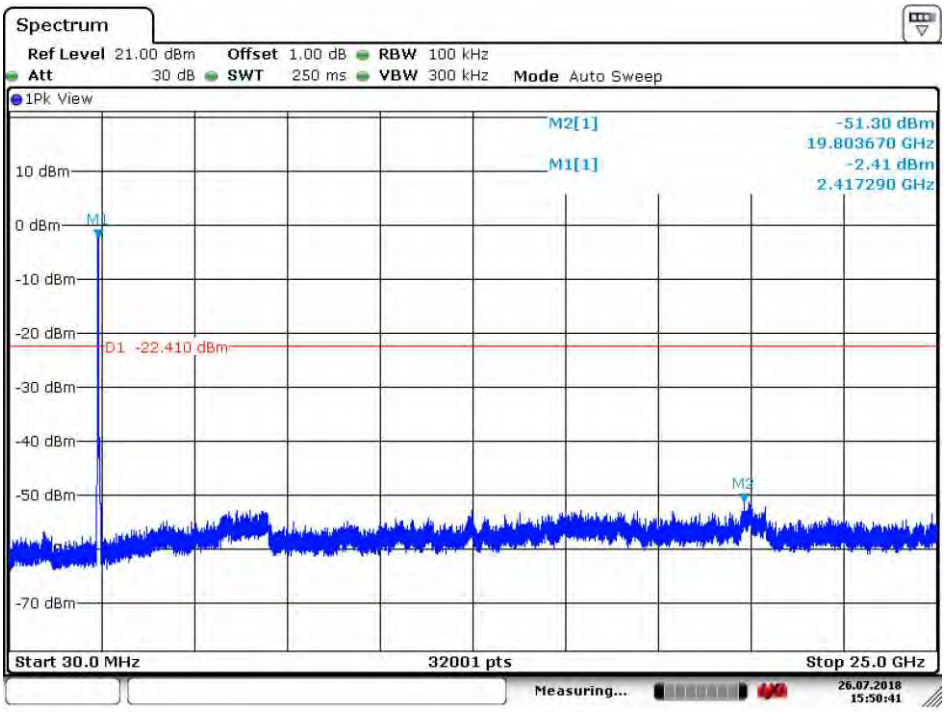

Date: 26.JUL.2018 15:44:40

| Test mode: | 802.11n(HT20) | Test channel: | Highest |
|---|---|---|---|



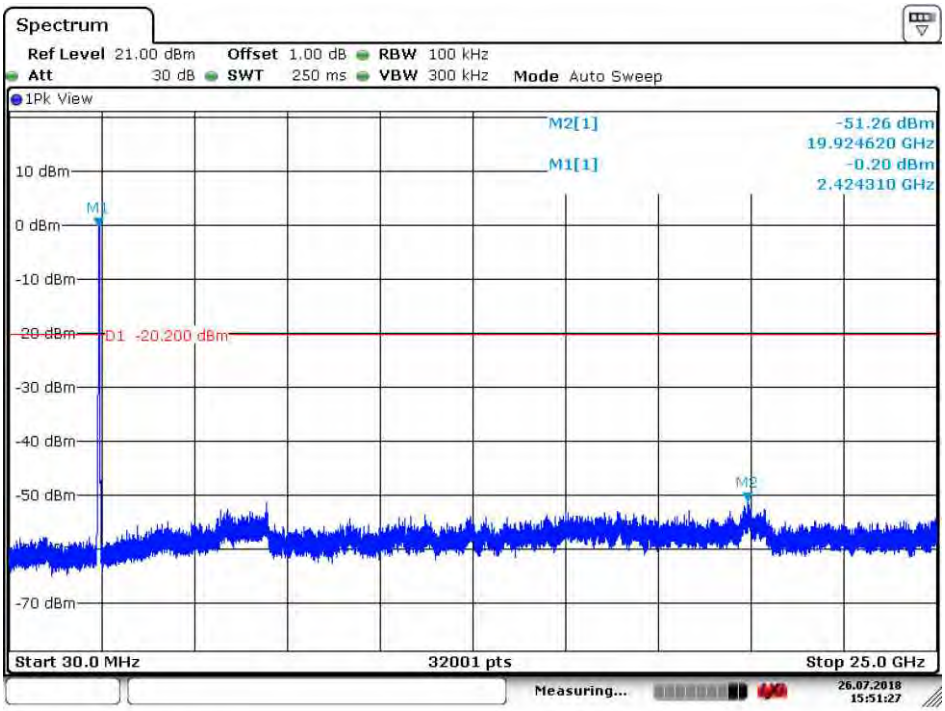

Date: 26.JUL.2018 15:46:32

| Test mode: | 802.11n(HT40) | Test channel: | Lowest |
|---|---|---|---|



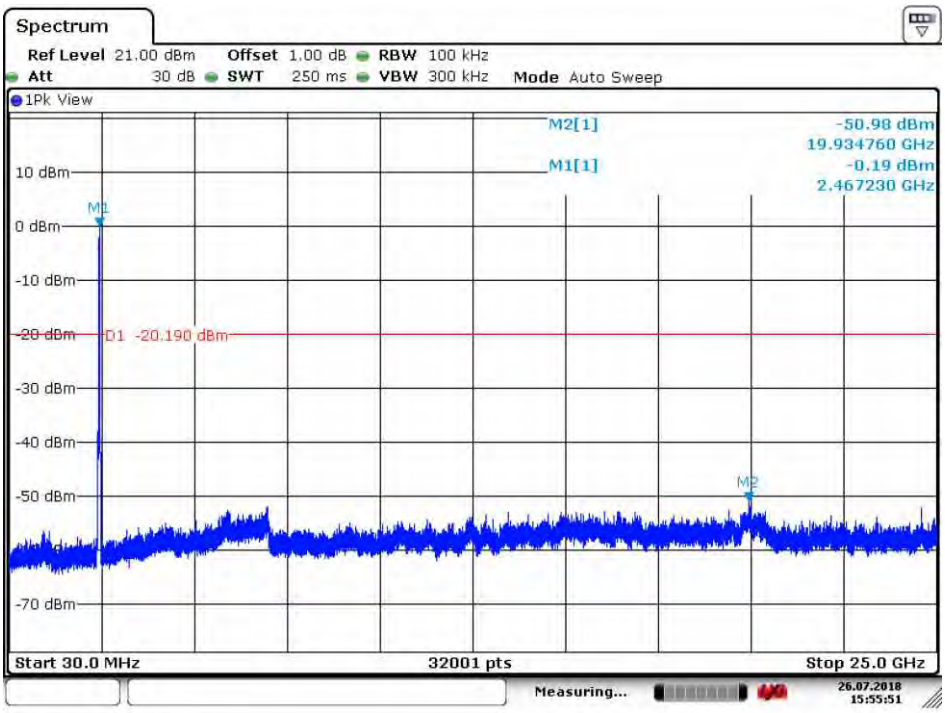

Date: 26.JUL.2018 15:50:41

| Test mode: | 802.11n(HT40) | Test channel: | Middle |
|---|---|---|---|




Date: 26.JUL.2018 15:51:28

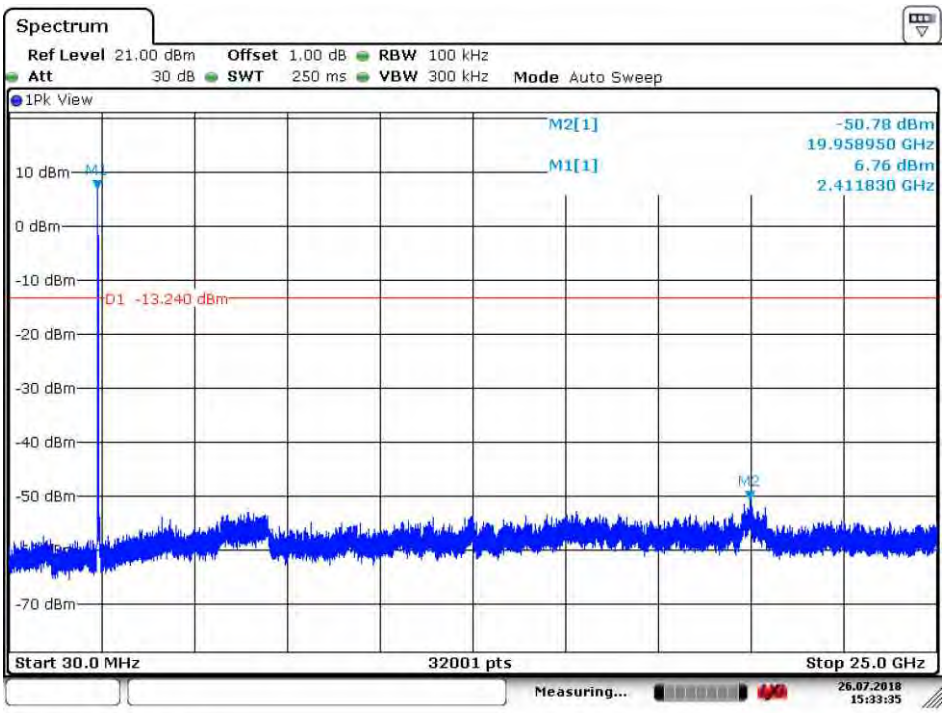
| Test mode: | 802.11n(HT40) | Test channel: | Highest |
|---|---|---|---|




Date: 26.JUL.2018 15:55:51

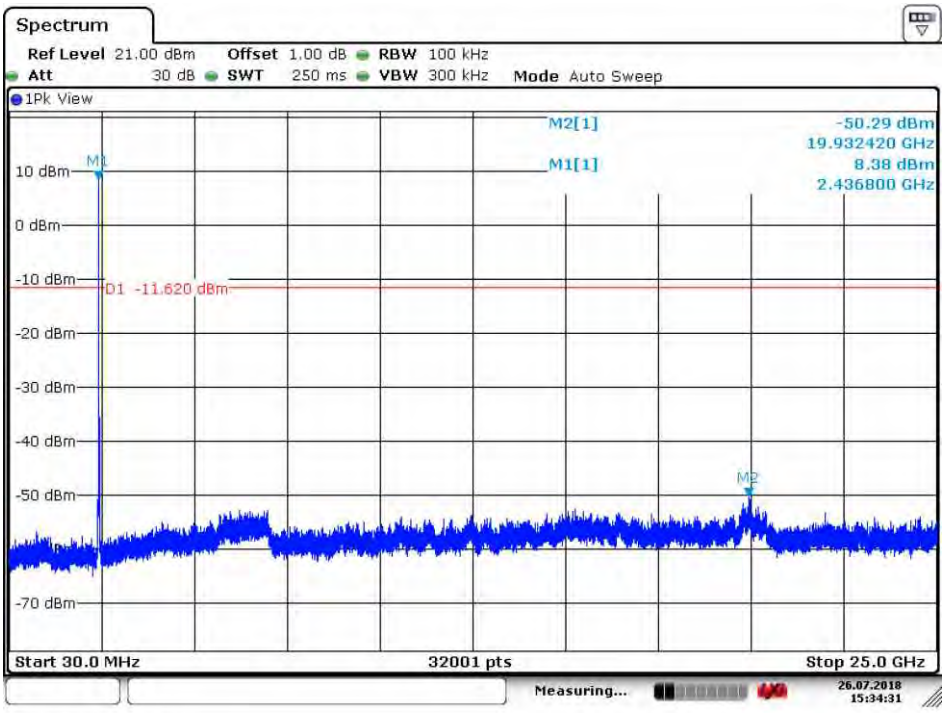
## SISO_ANT2

| Test mode: | 802.11b | Test channel: | Lowest |
|---|---|---|---|



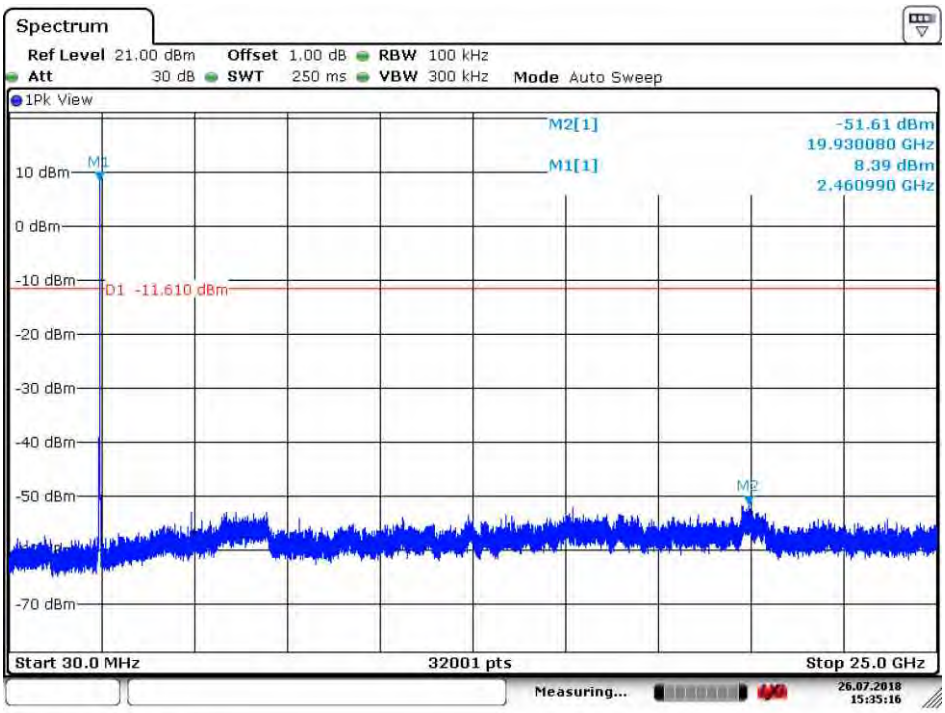

Date: 26.JUL.2018 15:33:35

| Test mode: | 802.11b | Test channel: | Middle |
|---|---|---|---|



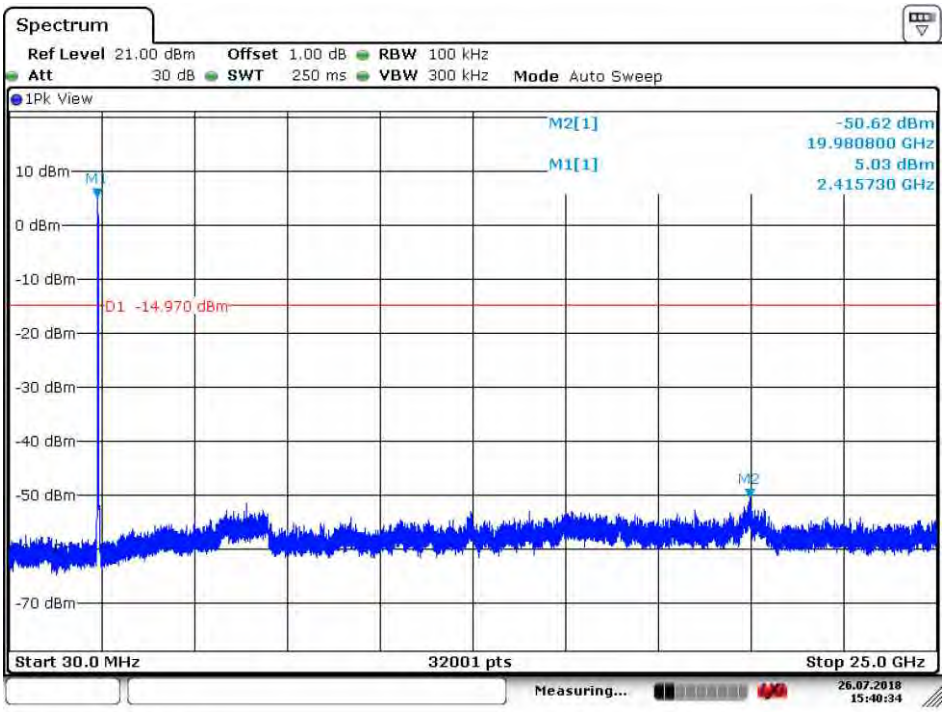

Date: 26.JUL.2018 15:34:31

| Test mode: | 802.11b | Test channel: | Highest |
|---|---|---|---|



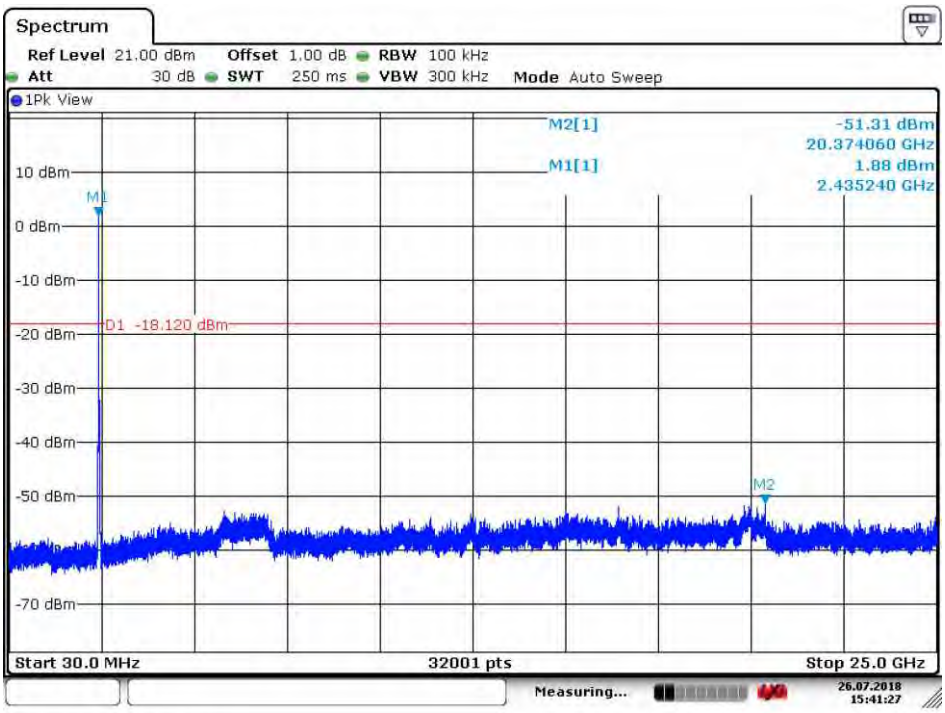

Date: 26.JUL.2018 15:35:17

| Test mode: | 802.11g | Test channel: | Lowest |
|---|---|---|---|



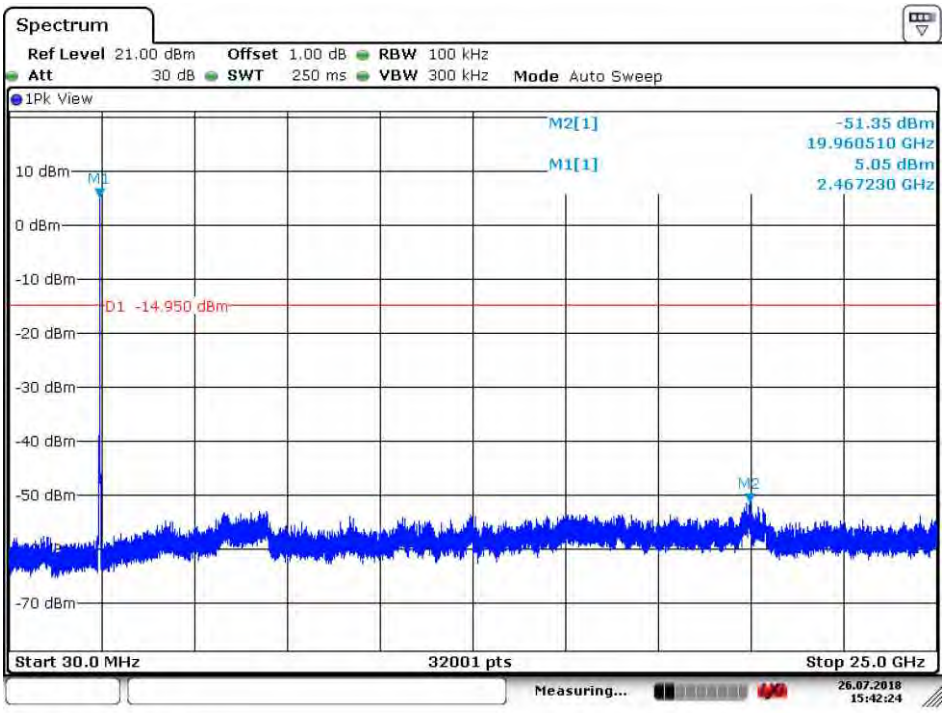

Date: 26.JUL.2018 15:40:35

| Test mode: | 802.11g | Test channel: | Middle |
|---|---|---|---|



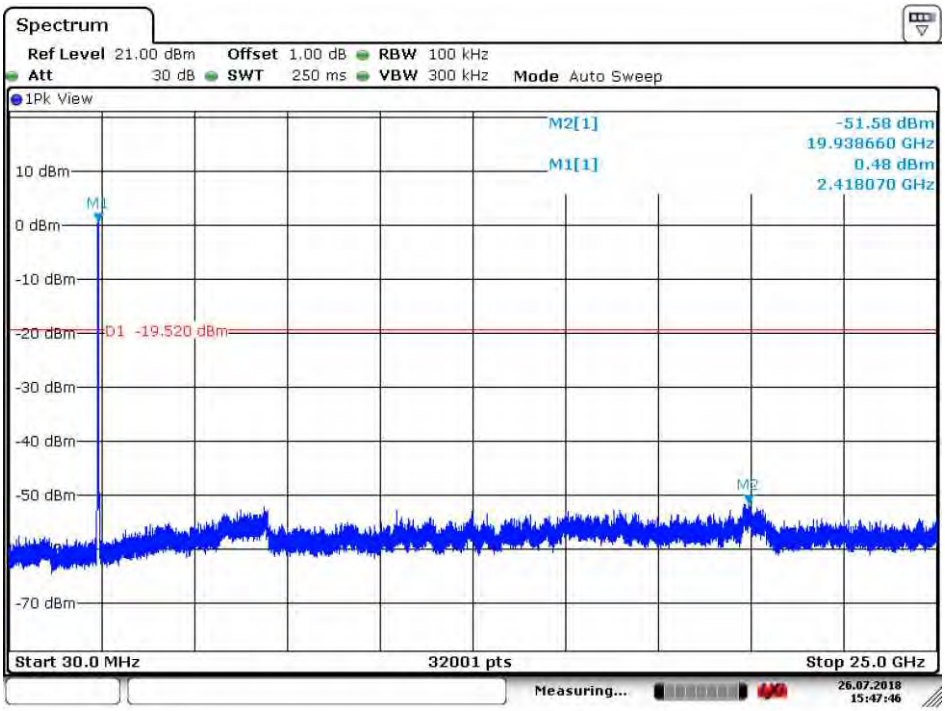

Date: 26.JUL.2018 15:41:28

| Test mode: | 802.11g | Test channel: | Highest |
|---|---|---|---|



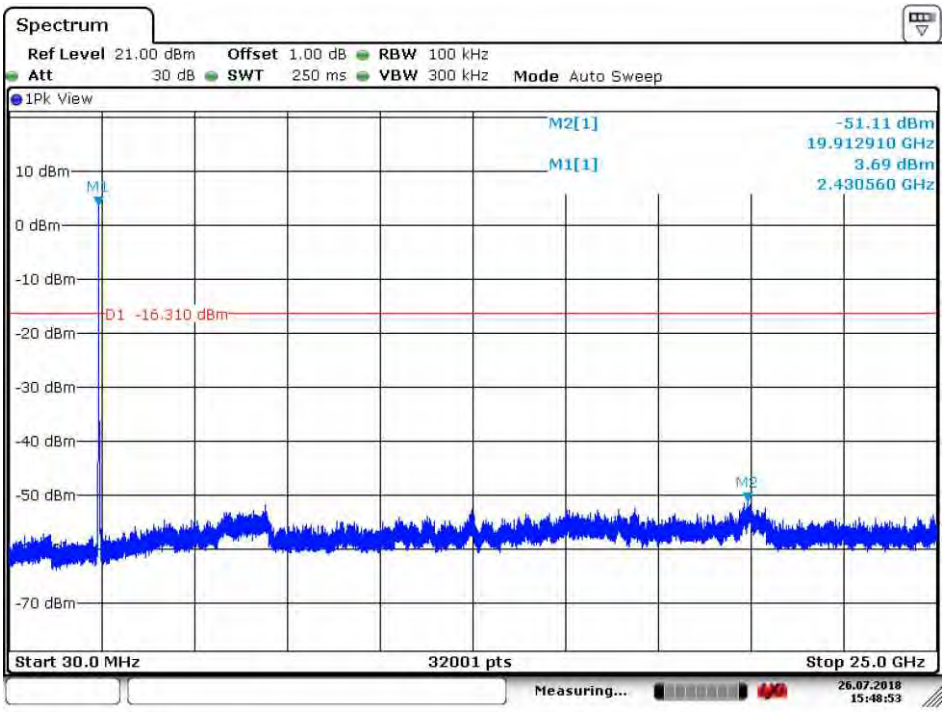

Date: 26.JUL.2018 15:42:24

| Test mode: | 802.11n(HT20) | Test channel: | Lowest |
|---|---|---|---|



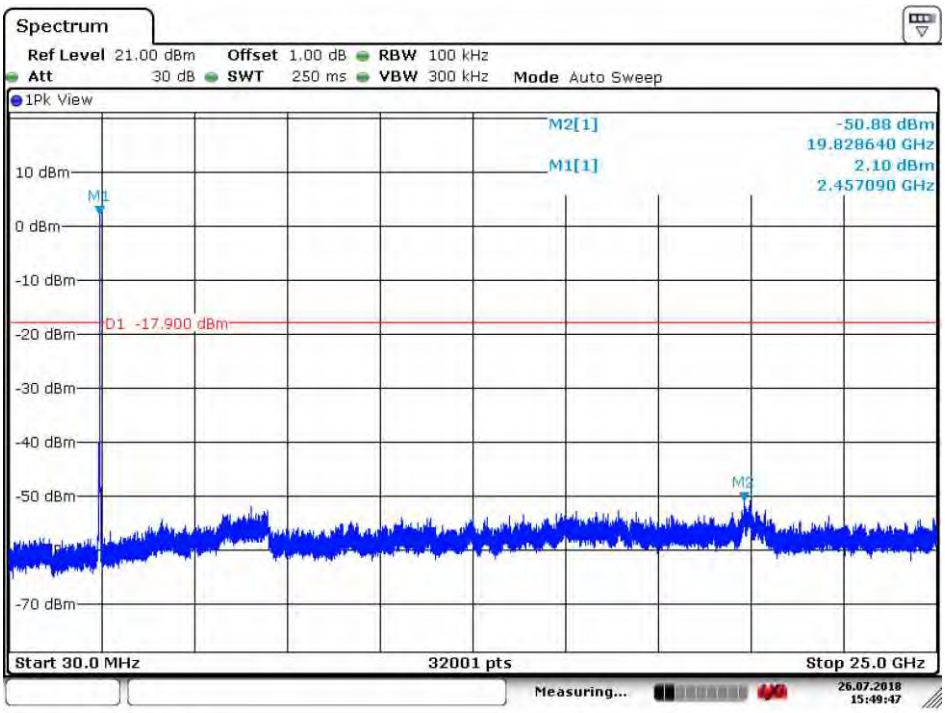

Date: 26.JUL.2018 15:47:46

| Test mode: | 802.11n(HT20) | Test channel: | Middle |
|---|---|---|---|



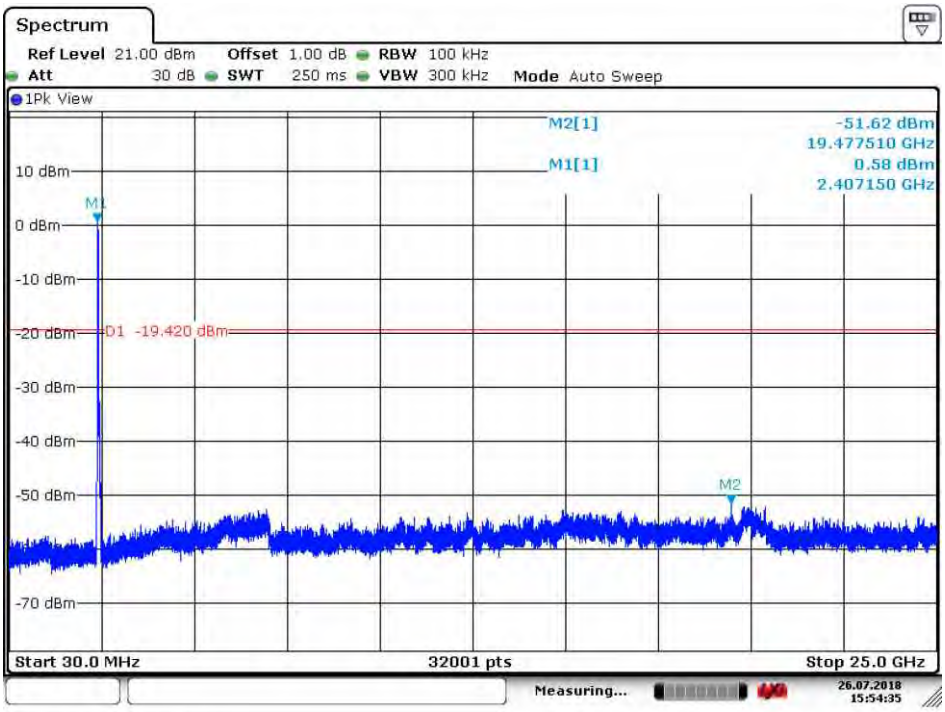

Date: 26.JUL.2018 15:48:54

| Test mode: | 802.11n(HT20) | Test channel: | Highest |
|---|---|---|---|



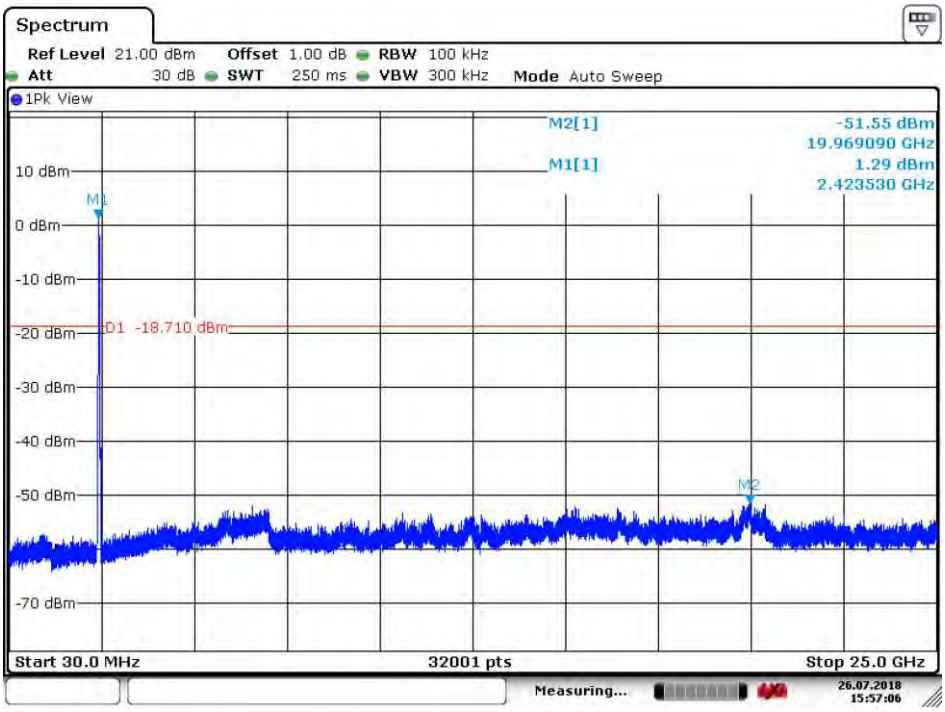

Date: 26.JUL.2018 15:49:48

| Test mode: | 802.11n(HT40) | Test channel: | Lowest |
|---|---|---|---|



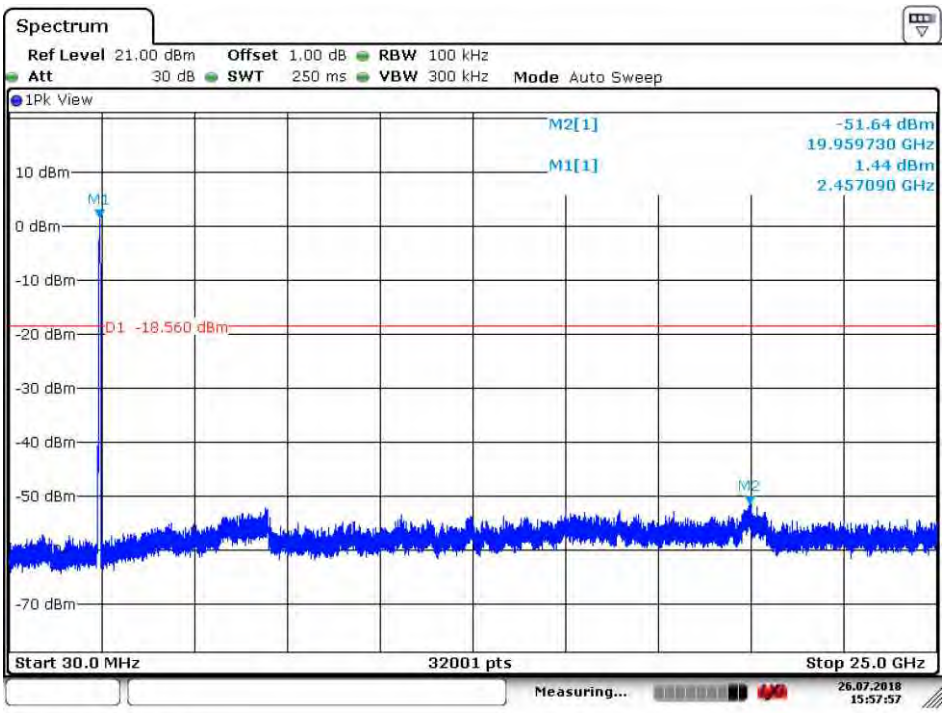

Date: 26.JUL.2018 15:54:35

| Test mode: | 802.11n(HT40) | Test channel: | Middle |
|---|---|---|---|




Date: 26.JUL.2018 15:57:06

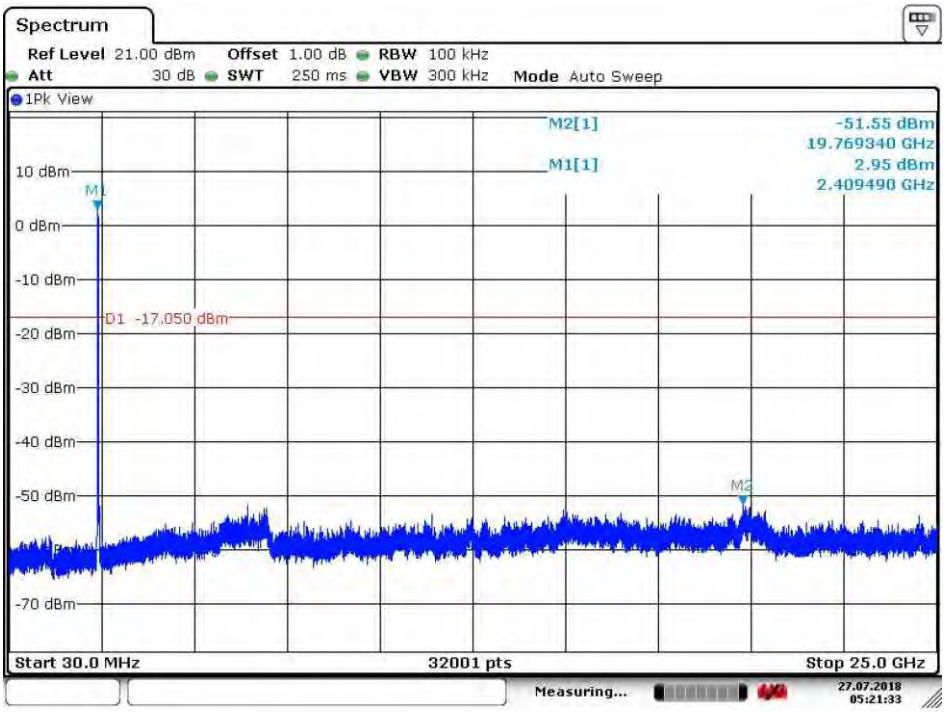
| Test mode: | 802.11n(HT40) | Test channel: | Highest |
|---|---|---|---|




Date: 26.JUL.2018 15:57:57

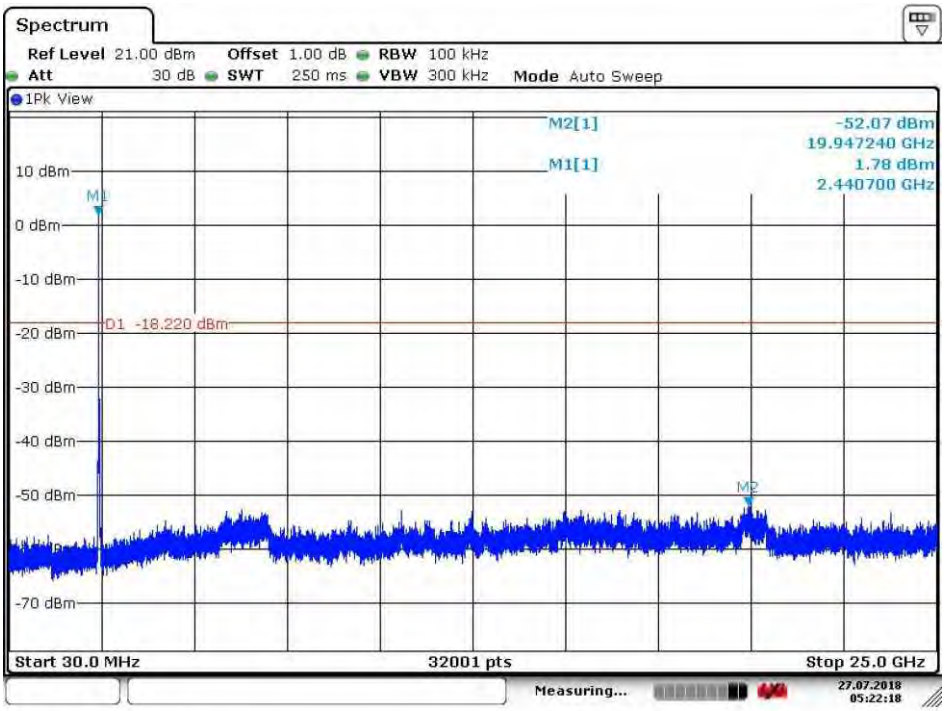
## CDD_ANT1

| Test mode: | 802.11g | Test channel: | Lowest |
|---|---|---|---|



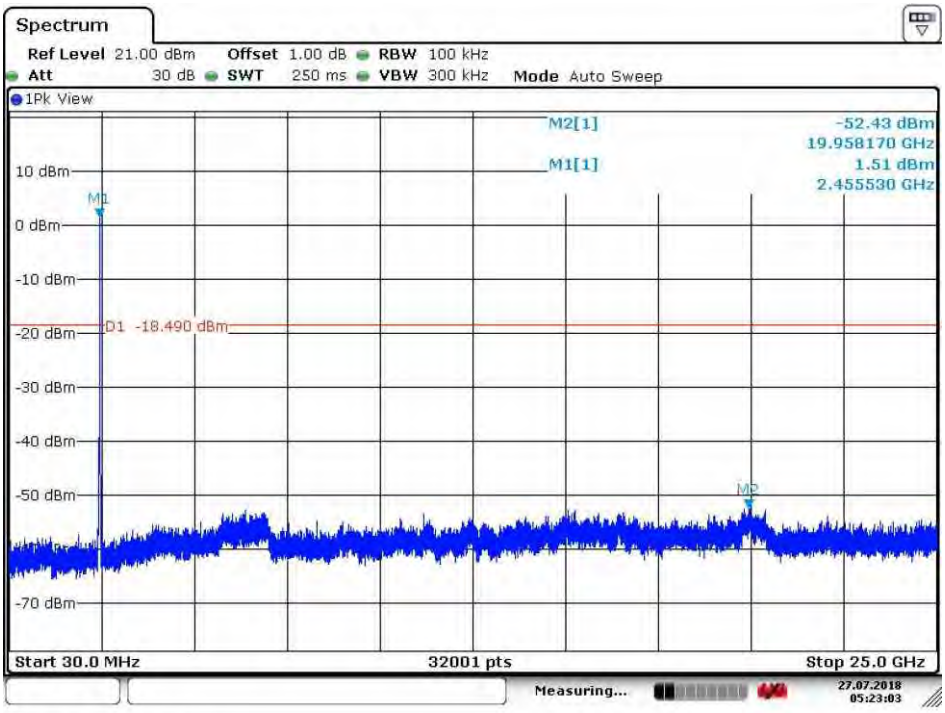

Date: 27.JUL.2018 05:21:33

| Test mode: | 802.11g | Test channel: | Middle |
|---|---|---|---|




Date: 27.JUL.2018 05:22:19

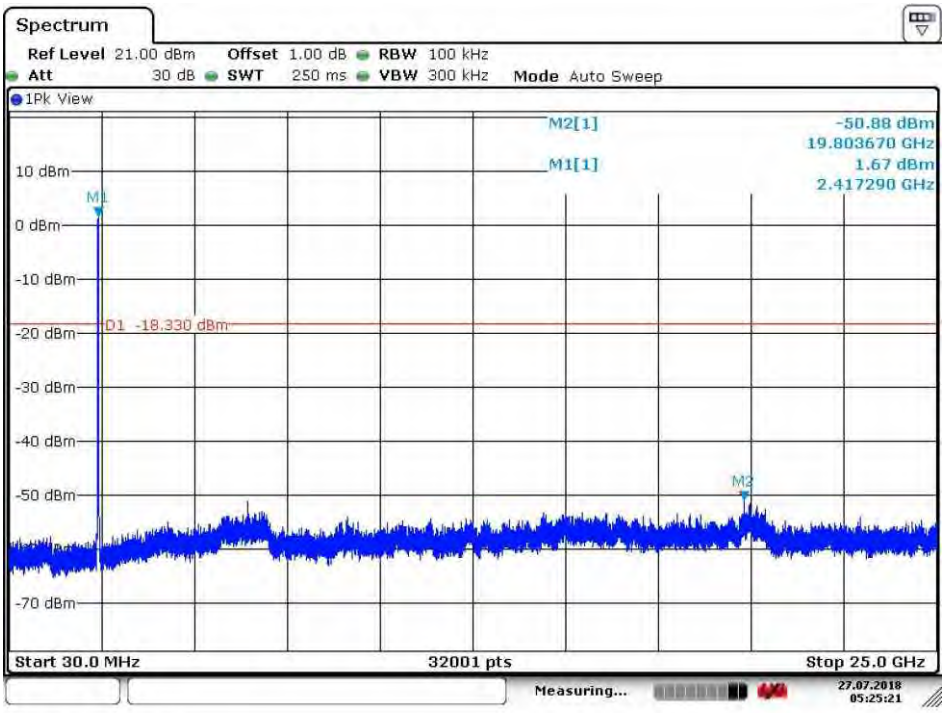
| Test mode: | 802.11g | Test channel: | Highest |
|---|---|---|---|




Date: 27.JUL.2018 05:23:03

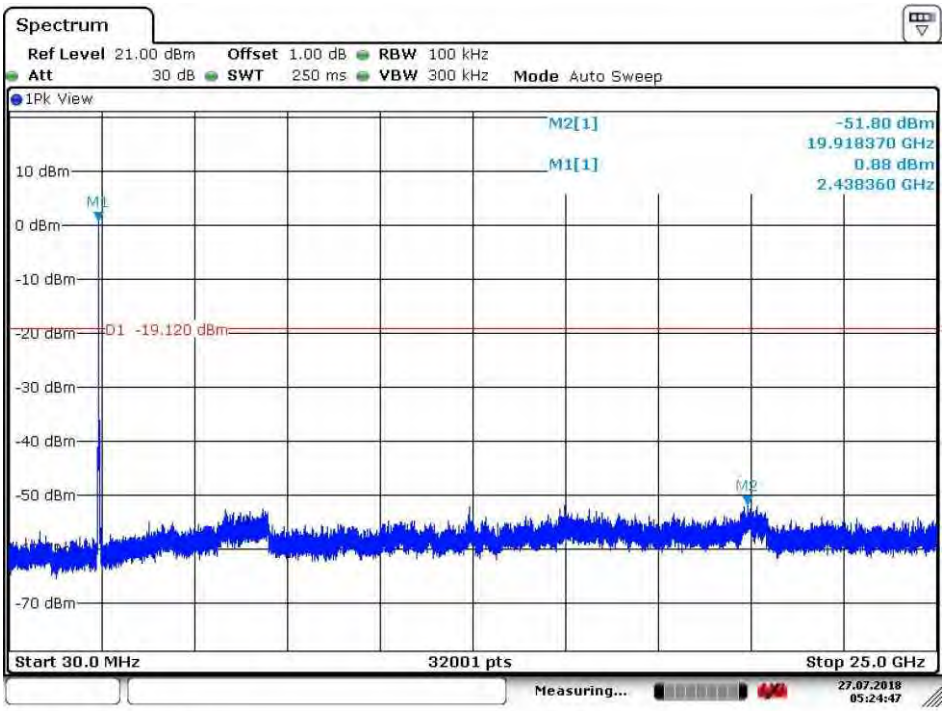
**MIMO_ANT1**

| Test mode: | 802.11n(HT20) | Test channel: | Lowest |
|---|---|---|---|



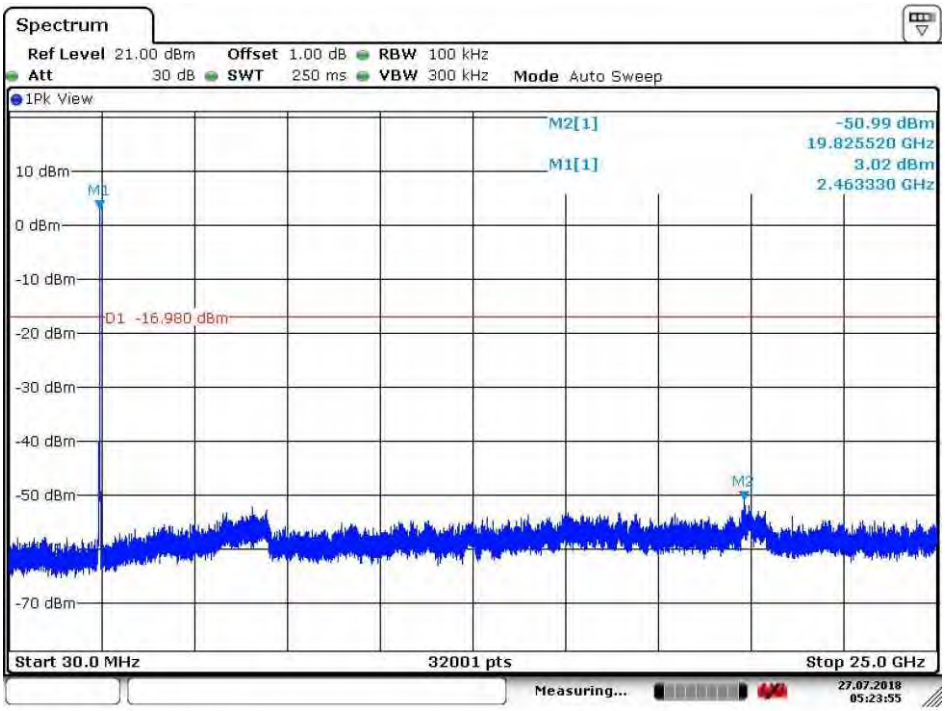

Date: 27.JUL.2018 05:25:21

| Test mode: | 802.11n(HT20) | Test channel: | Middle |
|---|---|---|---|



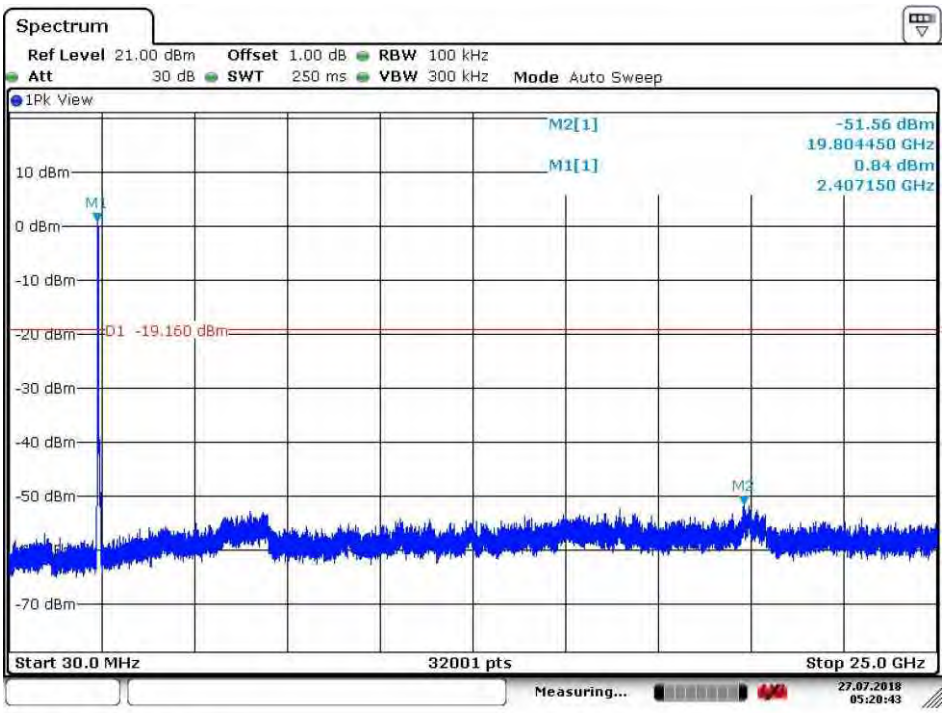

Date: 27.JUL.2018 05:24:48

| Test mode: | 802.11n(HT20) | Test channel: | Highest |
|---|---|---|---|



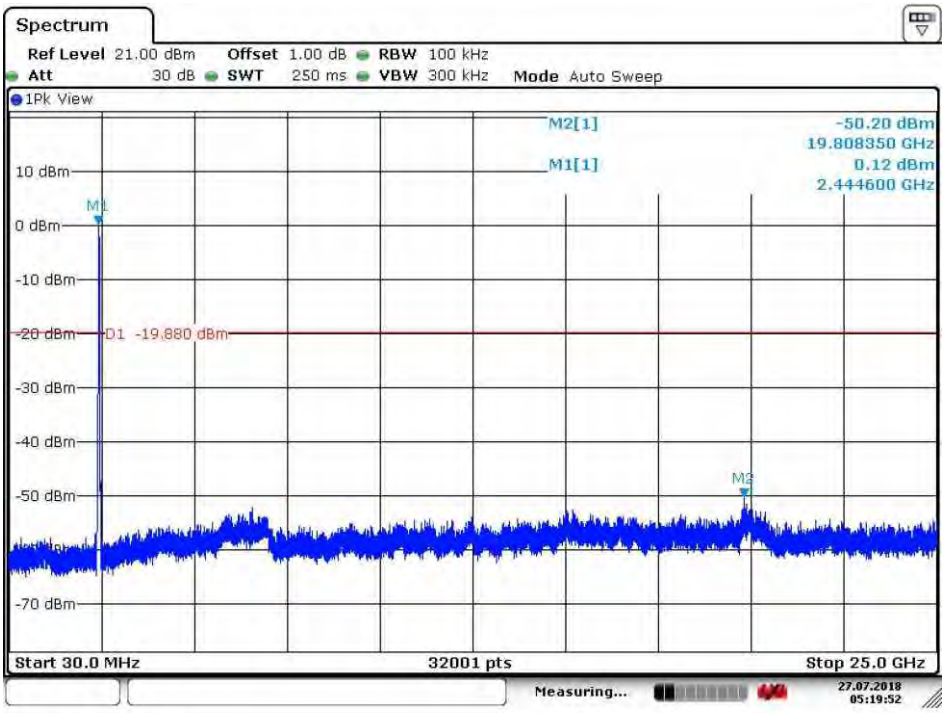

Date: 27.JUL.2018 05:23:55

| Test mode: | 802.11n(HT40) | Test channel: | Lowest |
|---|---|---|---|



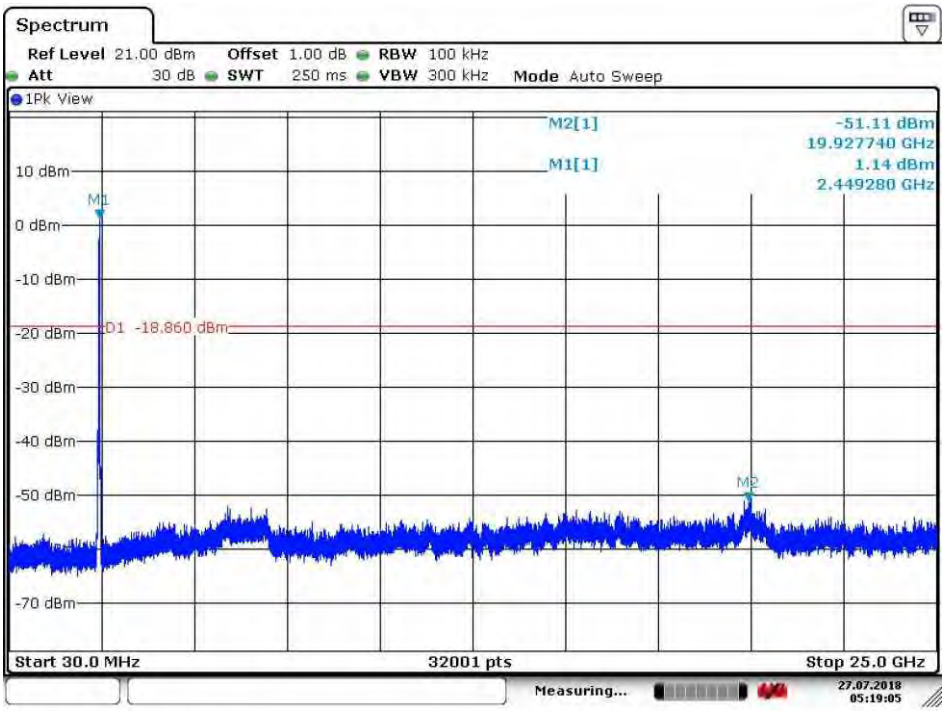

Date: 27.JUL.2018 05:20:44

| Test mode: | 802.11n(HT40) | Test channel: | Middle |
|---|---|---|---|




Date: 27.JUL.2018 05:19:52

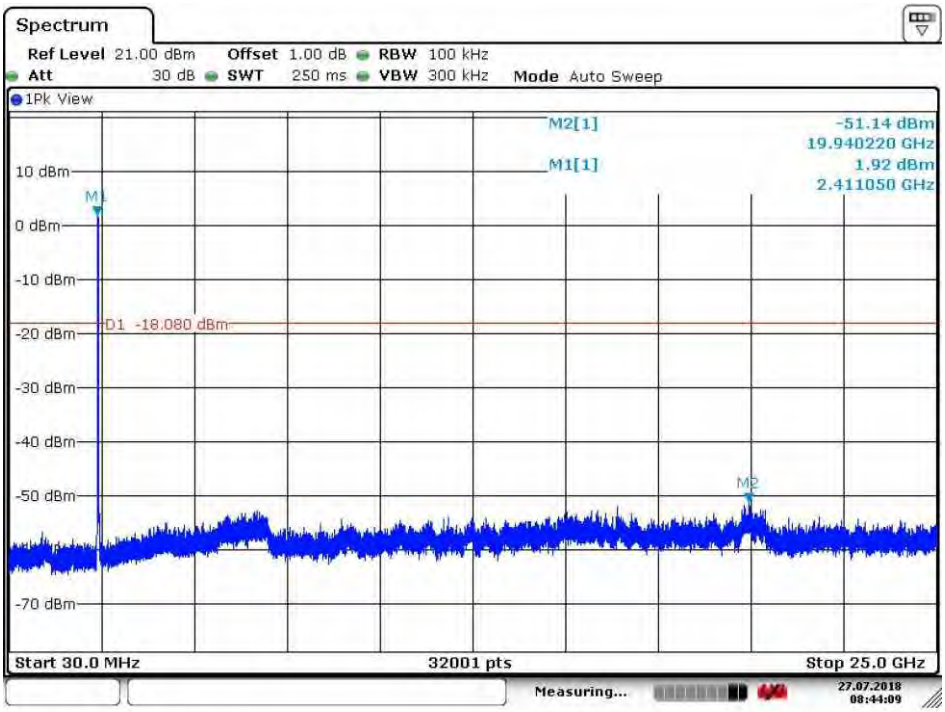
| Test mode: | 802.11n(HT40) | Test channel: | Highest |
|---|---|---|---|




Date: 27.JUL.2018 05:19:05

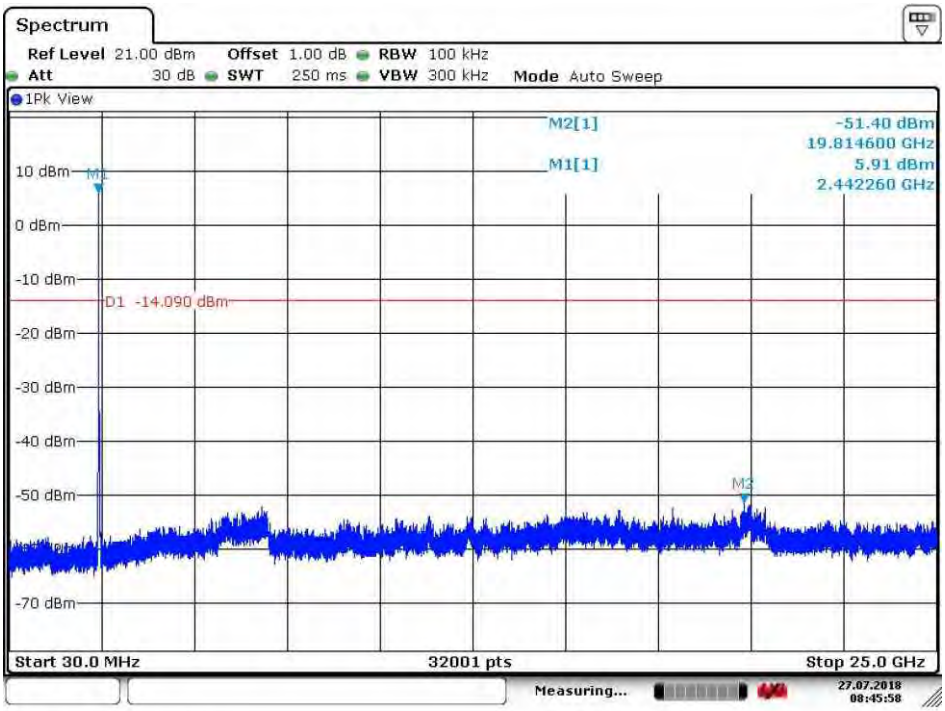
## CDD_ANT2

| Test mode: | 802.11g | Test channel: | Lowest |
|---|---|---|---|



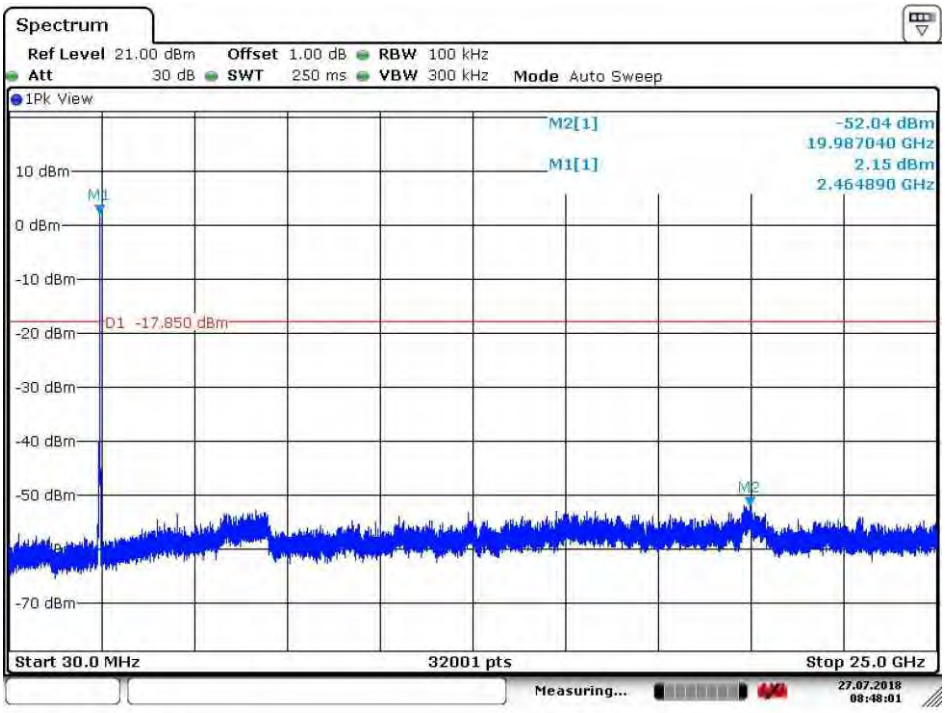

Date: 27.JUL.2018 08:44:09

| Test mode: | 802.11g | Test channel: | Middle |
|---|---|---|---|




Date: 27.JUL.2018 08:45:58

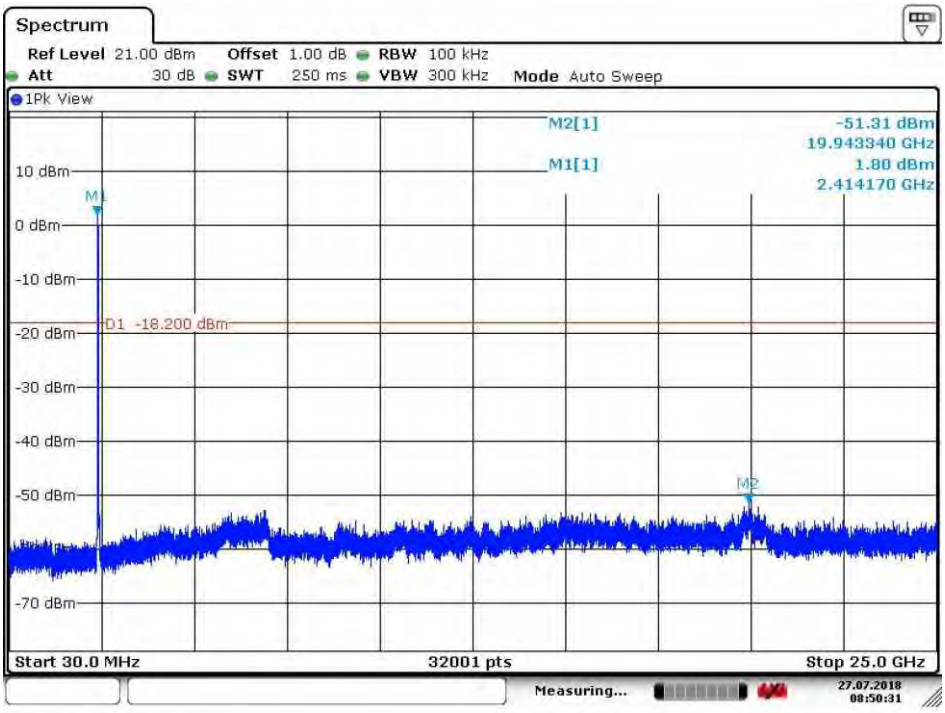
| Test mode: | 802.11g | Test channel: | Highest |
|---|---|---|---|




Date: 27.JUL.2018 08:48:01

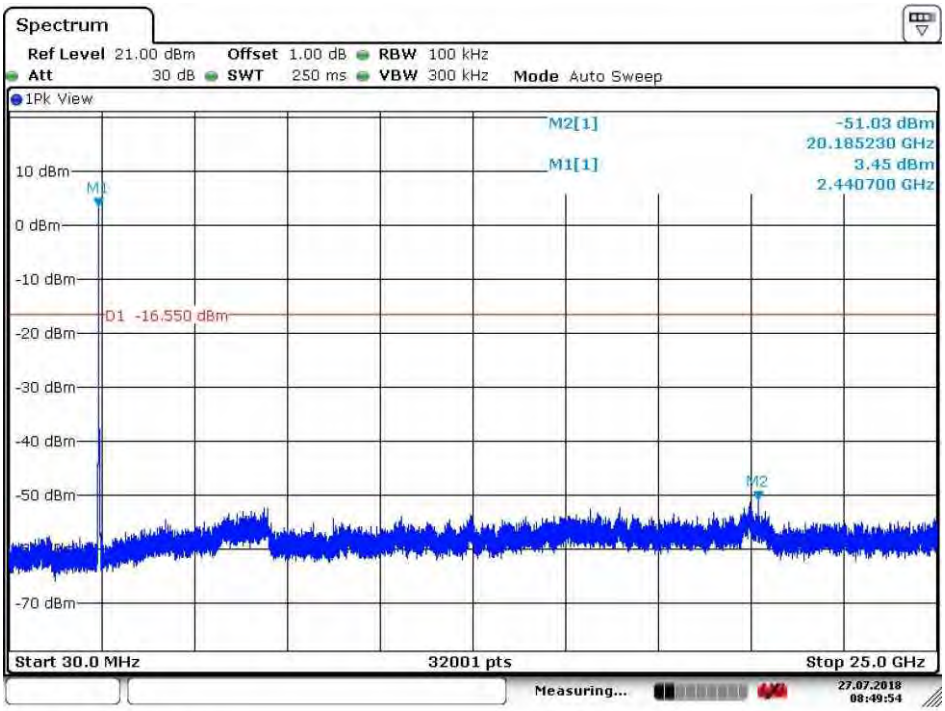
**MIMO_ANT2**

| Test mode: | 802.11n(HT20) | Test channel: | Lowest |
|---|---|---|---|



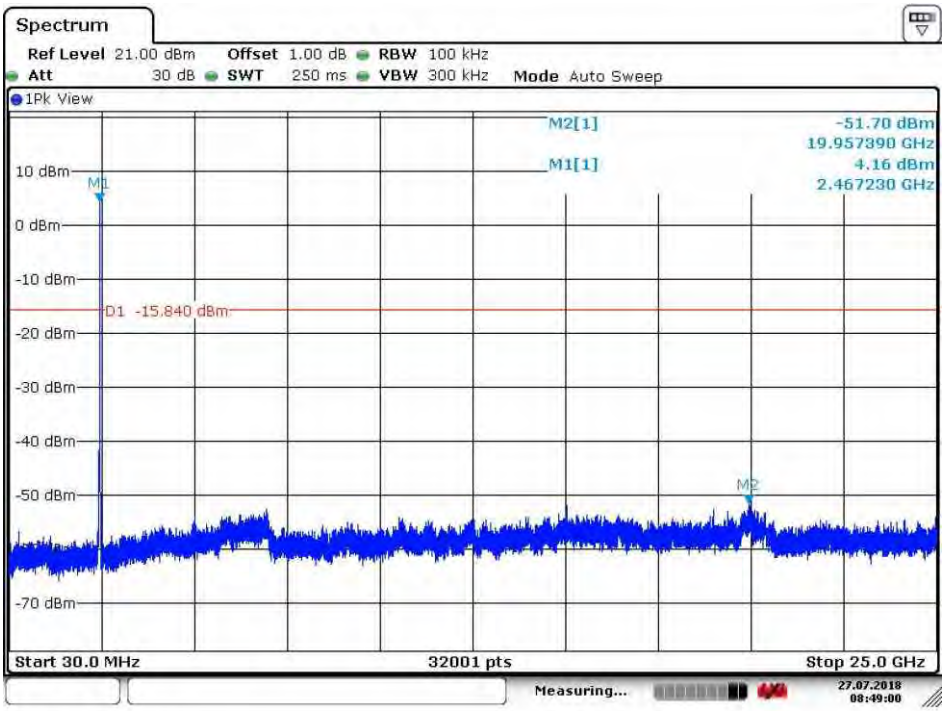

Date: 27.JUL.2018 08:50:31

| Test mode: | 802.11n(HT20) | Test channel: | Middle |
|---|---|---|---|



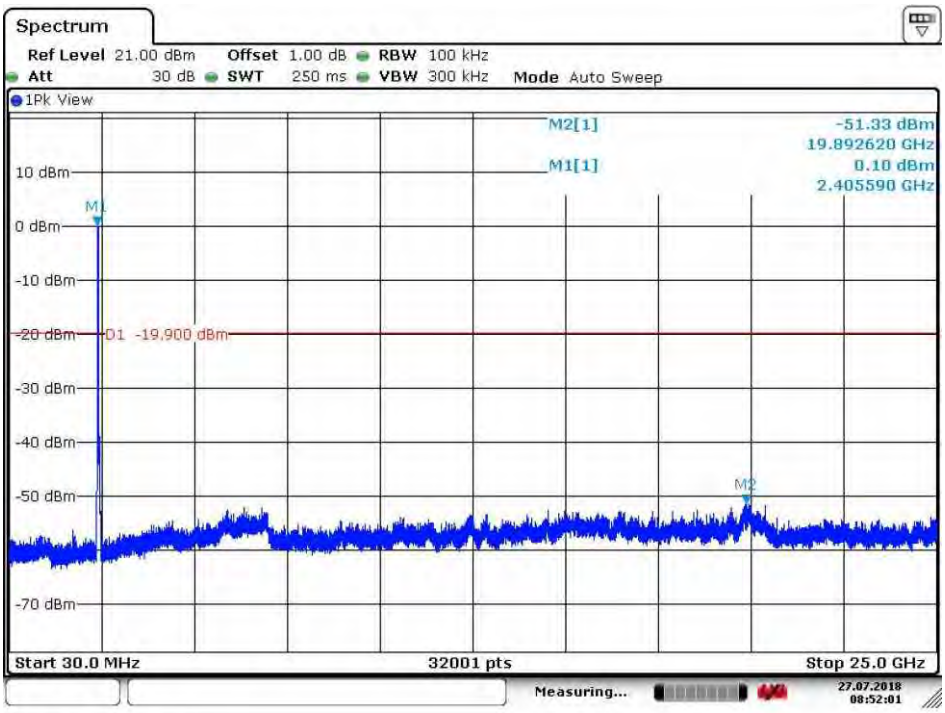

Date: 27.JUL.2018 08:49:55

| Test mode: | 802.11n(HT20) | Test channel: | Highest |
|---|---|---|---|



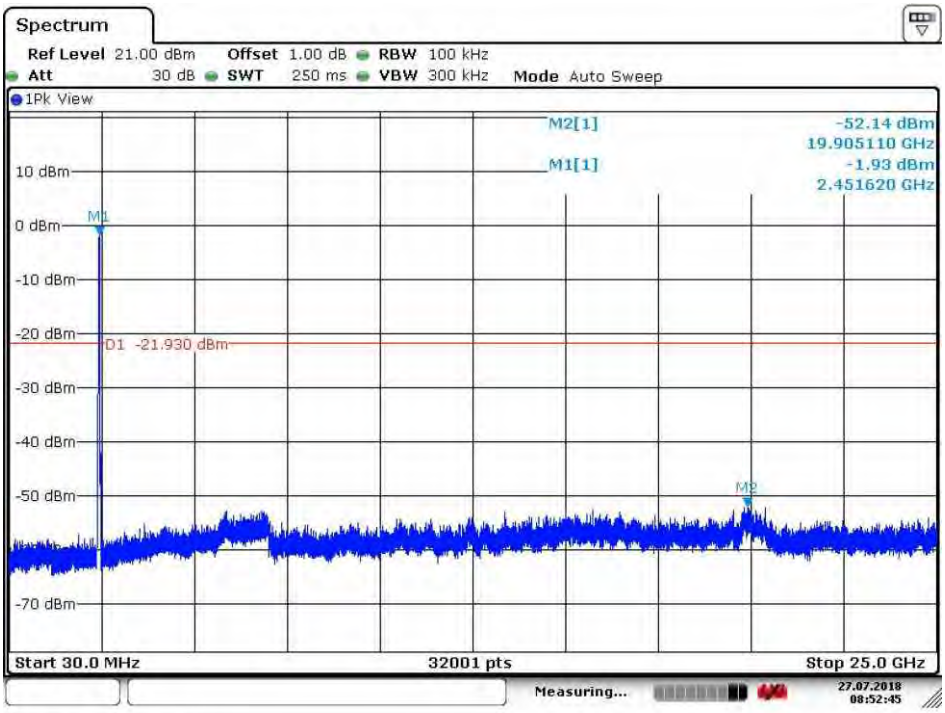

Date: 27.JUL.2018 08:49:01

| Test mode: | 802.11n(HT40) | Test channel: | Lowest |
|---|---|---|---|



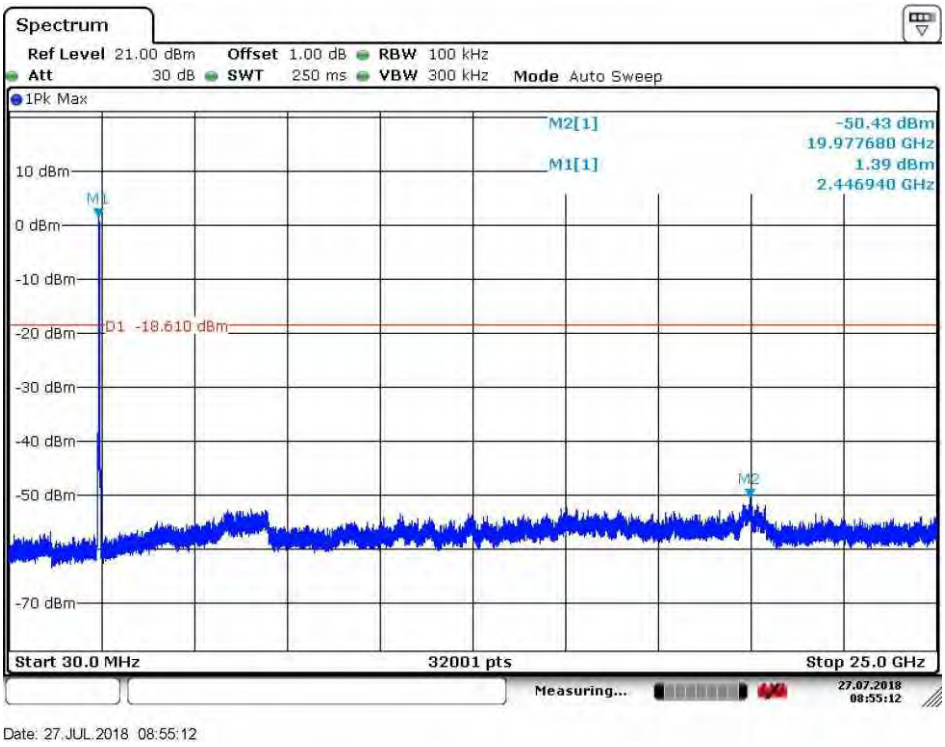

Date: 27.JUL.2018 08:52:01

| Test mode: | 802.11n(HT40) | Test channel: | Middle |
|---|---|---|---|




Date: 27.JUL.2018 08:52:45

| Test mode: | 802.11n(HT40) | Test channel: | Highest |
|---|---|---|---|




Remark:

Scan from 9kHz to 25GHz, the disturbance between 9KHz to 30MHz was very low, and the above harmonics were the highest point could be found when testing, The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

## 5.9 Radiated Spurious Emissions

| | | | | | |
|---|---|---|---|---|---|
| Test Requirement: | 47 CFR Part 15C Section 15.209 and 15.205 | | | | |
| Test Method: | ANSI C63.10 :2013 Section 11.12 | | | | |
| Test Site: | Measurement Distance: 3m or 10m (Semi-Anechoic Chamber) | | | | |
| Receiver Setup: | Frequency | Detector | RBW | VBW | Remark |
| | 0.009MHz-0.090MHz | Peak | 10kHz | 30kHz | Peak |
| | 0.009MHz-0.090MHz | Average | 10kHz | 30kHz | Average |
| | 0.090MHz-0.110MHz | Quasi-peak | 10kHz | 30kHz | Quasi-peak |
| | 0.110MHz-0.490MHz | Peak | 10kHz | 30kHz | Peak |
| | 0.110MHz-0.490MHz | Average | 10kHz | 30kHz | Average |
| | 0.490MHz -30MHz | Quasi-peak | 10kHz | 30kHz | Quasi-peak |
| | 30MHz-1GHz | Quasi-peak | 100 kHz | 300kHz | Quasi-peak |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak |
| | | Peak | 1MHz | 10Hz | Average |
| Limit: | Frequency | Field strength (microvolt/meter) | Limit (dBuV/m) | Remark | Measurement distance (m) |
| | 0.009MHz-0.490MHz | 2400/F(kHz) | - | - | 300 |
| | 0.490MHz-1.705MHz | 24000/F(kHz) | - | - | 30 |
| | 1.705MHz-30MHz | 30 | - | - | 30 |
| | 30MHz-88MHz | 100 | 40.0 | Quasi-peak | 3 |
| | 88MHz-216MHz | 150 | 43.5 | Quasi-peak | 3 |
| | 216MHz-960MHz | 200 | 46.0 | Quasi-peak | 3 |
| | 960MHz-1GHz | 500 | 54.0 | Quasi-peak | 3 |
| | Above 1GHz | 500 | 54.0 | Average | 3 |
| | Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device. | | | | |

Test Setup:

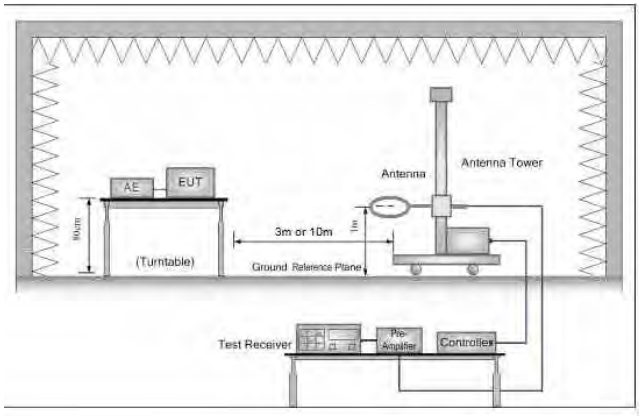



Figure 1. Below 30MHz

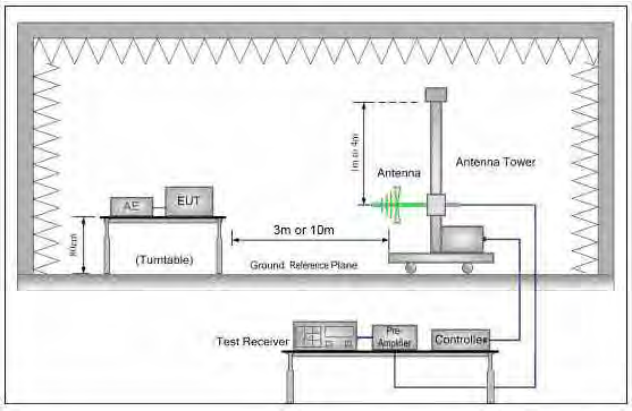



Figure 2. 30MHz to 1GHz

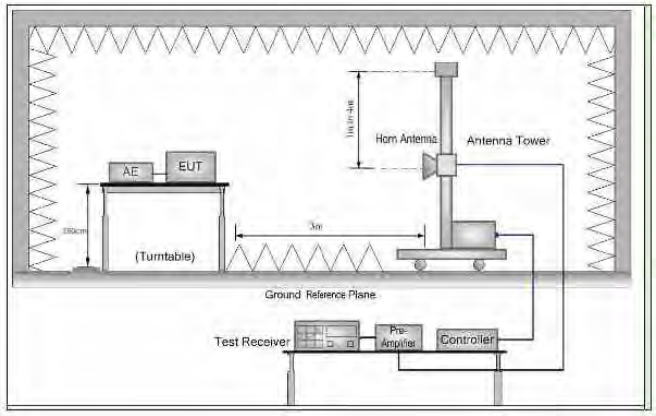


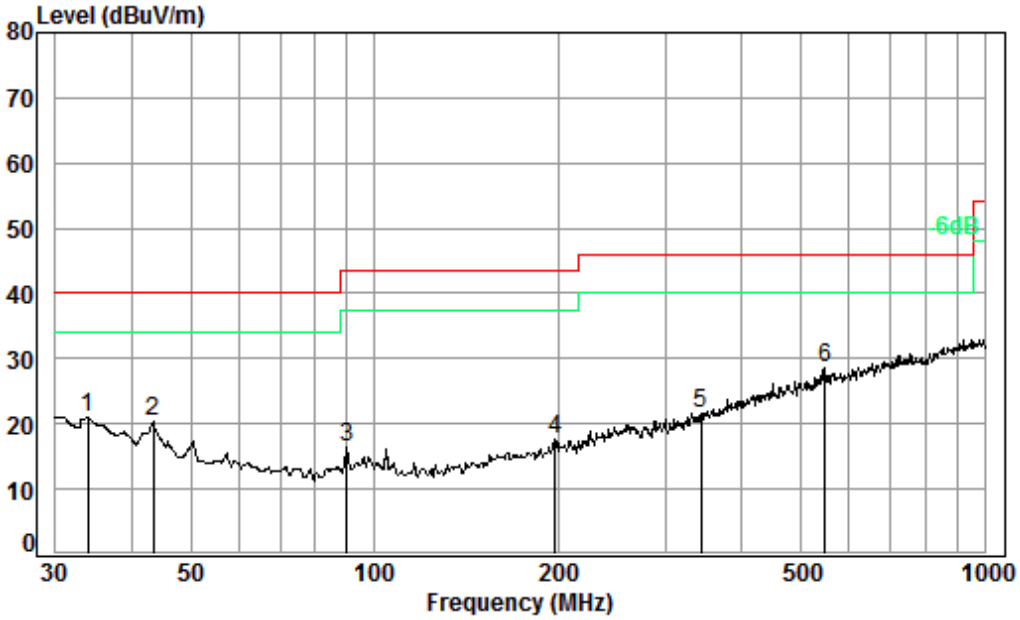

Figure 3. Above 1 GHz

| | |
|---|---|
| Test Procedure: | a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.<br>b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation<br>c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.<br>d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.<br>e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters(for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.<br>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.<br>g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.<br>h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel<br>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case.<br>j. Repeat above procedures until all frequencies measured was complete. |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates.<br>Charge + Transmitting mode. |
| Instruments Used: | Refer to section 5.10 for details |
| Test Results: | Pass |

Note1：Mode d= WiFi 2.4G RSE from 30MHz-1GHz

### 5.9.1 Radiated emission below 1GHz

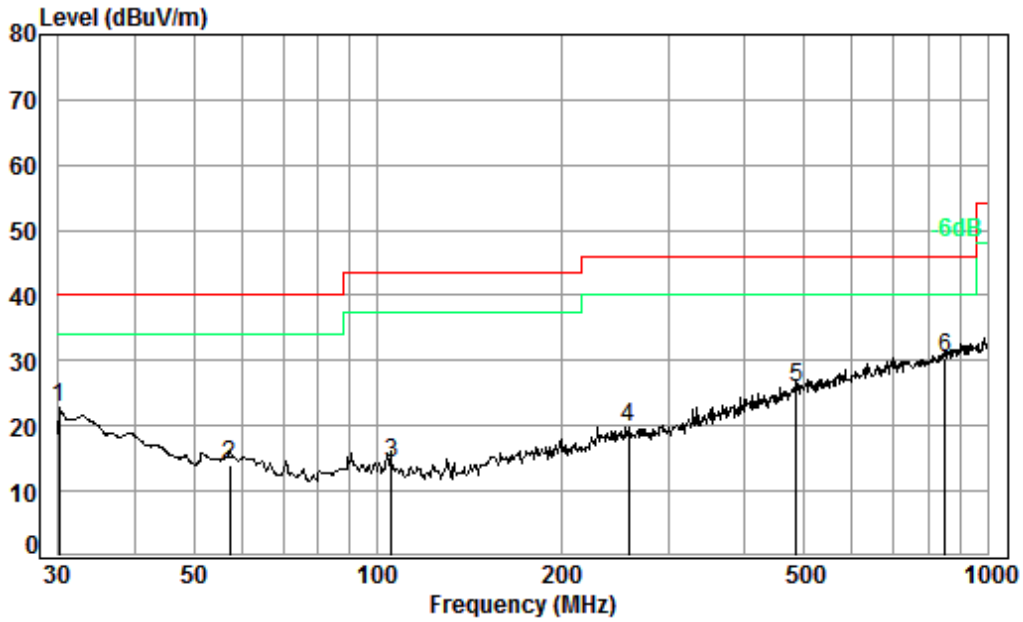
| 30MHz~1GHz（QP） | | |
|---|---|---|
| Test mode: | Charge + Transmitting | Vertical |




Condition: 3m VERTICAL
Job No. : 06549RG
Test mode: d

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit |
|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB |
| 1 | 33.92 | 0.60 | 20.37 | 27.44 | 27.44 | 20.97 | 40.00 | -19.03 |
| 2 | 43.35 | 0.67 | 16.31 | 27.42 | 30.77 | 20.33 | 40.00 | -19.67 |
| 3 | 90.22 | 1.10 | 13.12 | 27.36 | 29.50 | 16.36 | 43.50 | -27.14 |
| 4 | 197.89 | 1.40 | 16.44 | 26.91 | 26.75 | 17.68 | 43.50 | -25.82 |
| 5 | 343.18 | 2.04 | 20.91 | 26.89 | 25.52 | 21.58 | 46.00 | -24.42 |
| 6 pp | 547.10 | 2.65 | 25.59 | 27.78 | 28.06 | 28.52 | 46.00 | -17.48 |

| Test mode: | Charge + Transmitting | Horizontal |
|---|---|---|

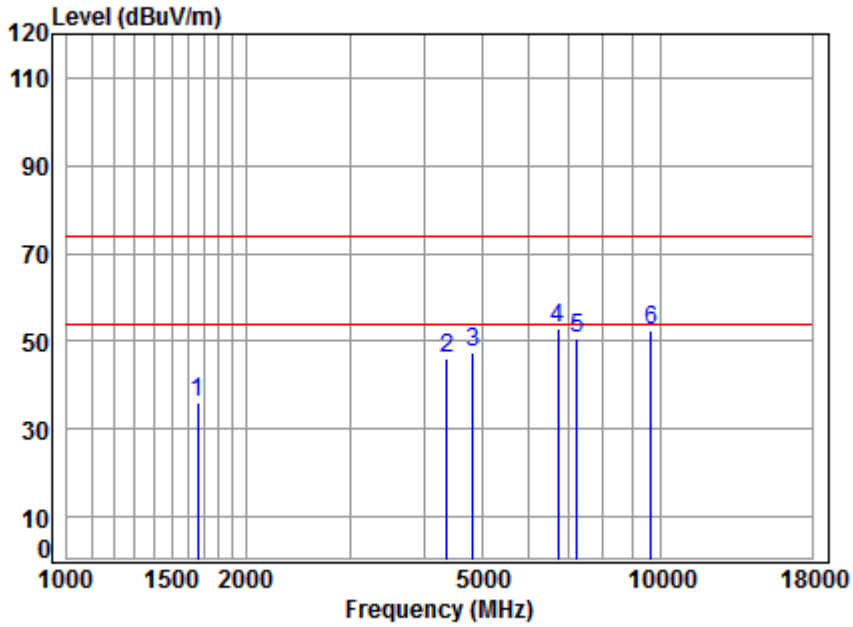



Condition: 3m HORIZONTAL
Job No. : 06549RG
Test mode: d

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit |
|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB |
| 1 | 30.11 | 0.60 | 22.44 | 27.45 | 27.18 | 22.77 | 40.00 | -17.23 |
| 2 | 57.19 | 0.80 | 13.46 | 27.40 | 27.26 | 14.12 | 40.00 | -25.88 |
| 3 | 105.27 | 1.22 | 13.75 | 27.32 | 26.54 | 14.19 | 43.50 | -29.31 |
| 4 | 258.33 | 1.71 | 19.08 | 26.74 | 25.78 | 19.83 | 46.00 | -26.17 |
| 5 | 485.61 | 2.55 | 24.31 | 27.55 | 26.69 | 26.00 | 46.00 | -20.00 |
| 6 pp | 851.04 | 3.41 | 29.18 | 27.33 | 25.20 | 30.46 | 46.00 | -15.54 |

### 5.9.2 Transmitter emission above 1GHz

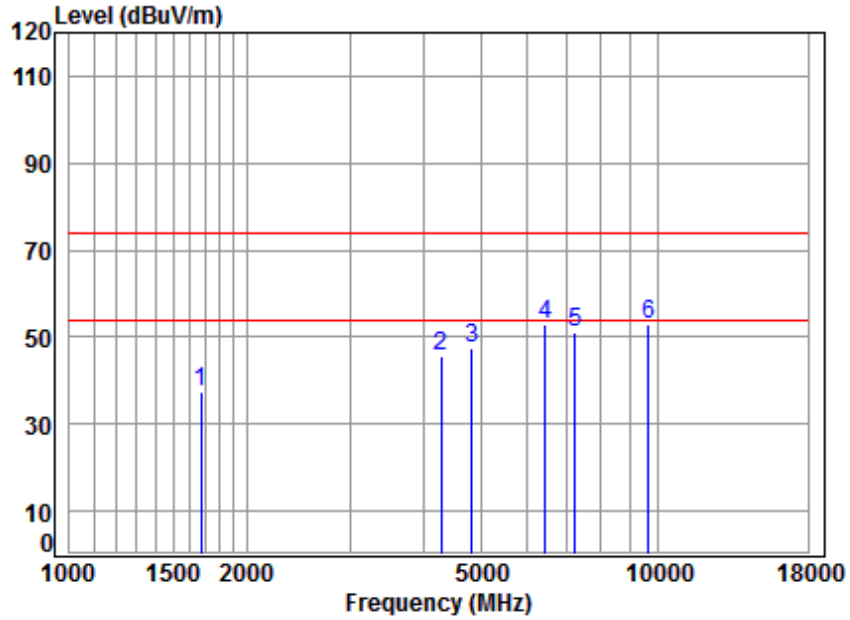
| Test mode: | 802.11b | Test channel: | Lowest | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2412 TX RSE
Note : 2.4G WIFI 11B
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1658.337 | 5.28 | 26.50 | 41.51 | 45.90 | 36.17 | 74.00 | -37.83 | peak |
| 2 | 4367.058 | 7.41 | 33.37 | 42.39 | 47.84 | 46.23 | 74.00 | -27.77 | peak |
| 3 | 4824.000 | 7.91 | 34.00 | 42.47 | 48.21 | 47.65 | 74.00 | -26.35 | peak |
| 4 pp | 6717.762 | 10.91 | 35.73 | 41.05 | 47.16 | 52.75 | 74.00 | -21.25 | peak |
| 5 | 7236.000 | 10.07 | 36.09 | 40.69 | 45.10 | 50.57 | 74.00 | -23.43 | peak |
| 6 | 9648.000 | 10.77 | 37.69 | 37.68 | 41.86 | 52.64 | 74.00 | -21.36 | peak |

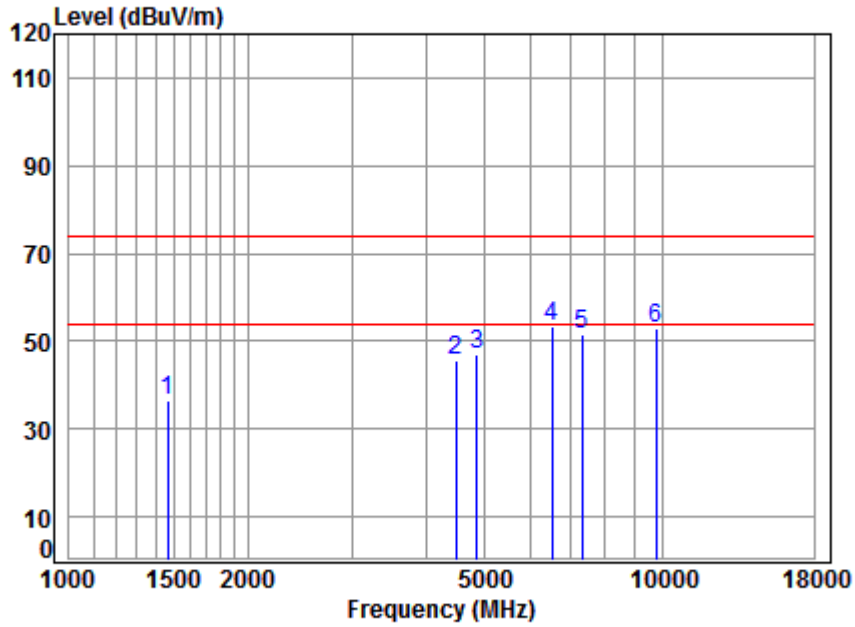
| Test mode: | 802.11b | Test channel: | Lowest | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2412 TX RSE
Note : 2.4G WIFI 11B
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1672.779 | 5.26 | 26.56 | 41.52 | 46.99 | 37.29 | 74.00 | -36.71 | peak |
| 2 | 4279.589 | 7.31 | 33.22 | 42.38 | 47.55 | 45.70 | 74.00 | -28.30 | peak |
| 3 | 4824.000 | 7.91 | 34.00 | 42.47 | 47.79 | 47.23 | 74.00 | -26.77 | peak |
| 4 | 6451.353 | 11.45 | 35.55 | 41.25 | 47.04 | 52.79 | 74.00 | -21.21 | peak |
| 5 | 7236.000 | 10.07 | 36.09 | 40.69 | 45.59 | 51.06 | 74.00 | -22.94 | peak |
| 6 pp | 9648.000 | 10.77 | 37.69 | 37.68 | 42.03 | 52.81 | 74.00 | -21.19 | peak |

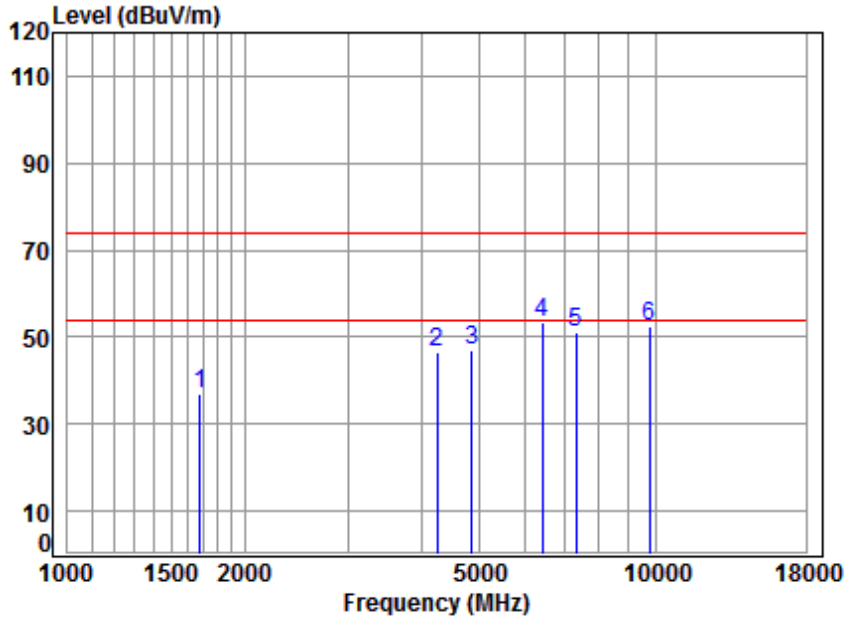
| Test mode: | 802.11b | Test channel: | Middle | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2437 TX RSE
Note : 2.4G WIFI 11B
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1464.522 | 5.37 | 25.67 | 41.38 | 46.65 | 36.31 | 74.00 | -37.69 | peak |
| 2 | 4482.150 | 7.54 | 33.57 | 42.41 | 47.13 | 45.83 | 74.00 | -28.17 | peak |
| 3 | 4874.000 | 7.96 | 34.05 | 42.48 | 47.47 | 47.00 | 74.00 | -27.00 | peak |
| 4 pp | 6526.373 | 11.46 | 35.62 | 41.20 | 47.71 | 53.59 | 74.00 | -20.41 | peak |
| 5 | 7311.000 | 10.05 | 36.15 | 40.64 | 45.97 | 51.53 | 74.00 | -22.47 | peak |
| 6 | 9748.000 | 10.82 | 37.75 | 37.54 | 41.76 | 52.79 | 74.00 | -21.21 | peak |

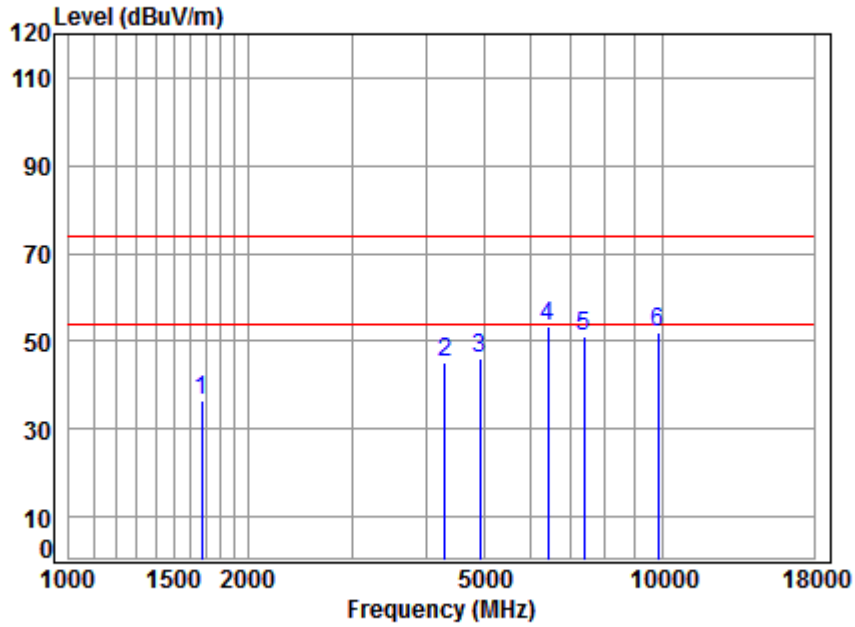
| Test mode: | 802.11b | Test channel: | Middle | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2437 TX RSE
Note : 2.4G WIFI 11B
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1677.621 | 5.25 | 26.58 | 41.52 | 46.81 | 37.12 | 74.00 | -36.88 | peak |
| 2 | 4242.641 | 7.27 | 33.15 | 42.37 | 48.27 | 46.32 | 74.00 | -27.68 | peak |
| 3 | 4874.000 | 7.96 | 34.05 | 42.48 | 47.61 | 47.14 | 74.00 | -26.86 | peak |
| 4 pp | 6414.167 | 11.38 | 35.52 | 41.28 | 47.83 | 53.45 | 74.00 | -20.55 | peak |
| 5 | 7311.000 | 10.05 | 36.15 | 40.64 | 45.33 | 50.89 | 74.00 | -23.11 | peak |
| 6 | 9748.000 | 10.82 | 37.75 | 37.54 | 41.34 | 52.37 | 74.00 | -21.63 | peak |

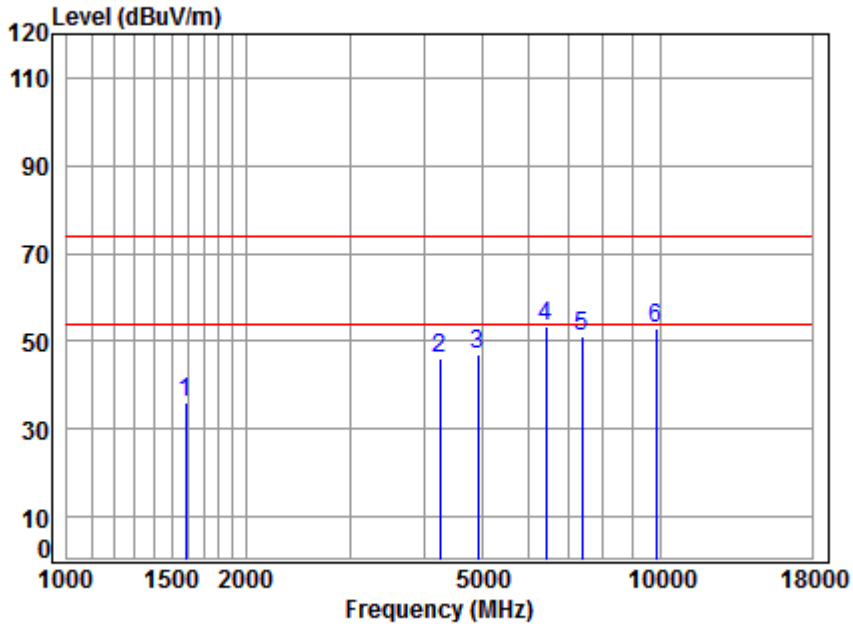
| Test mode: | 802.11b | Test channel: | Highest | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2462 TX RSE
Note : 2.4G WIFI 11B
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1672.779 | 5.26 | 26.56 | 41.52 | 45.99 | 36.29 | 74.00 | -37.71 | peak |
| 2 | 4304.400 | 7.34 | 33.26 | 42.38 | 47.02 | 45.24 | 74.00 | -28.76 | peak |
| 3 | 4924.000 | 8.01 | 34.11 | 42.49 | 46.64 | 46.27 | 74.00 | -27.73 | peak |
| 4 pp | 6414.167 | 11.38 | 35.52 | 41.28 | 47.75 | 53.37 | 74.00 | -20.63 | peak |
| 5 | 7386.000 | 10.03 | 36.21 | 40.59 | 45.32 | 50.97 | 74.00 | -23.03 | peak |
| 6 | 9848.000 | 10.87 | 37.81 | 37.41 | 40.93 | 52.20 | 74.00 | -21.80 | peak |

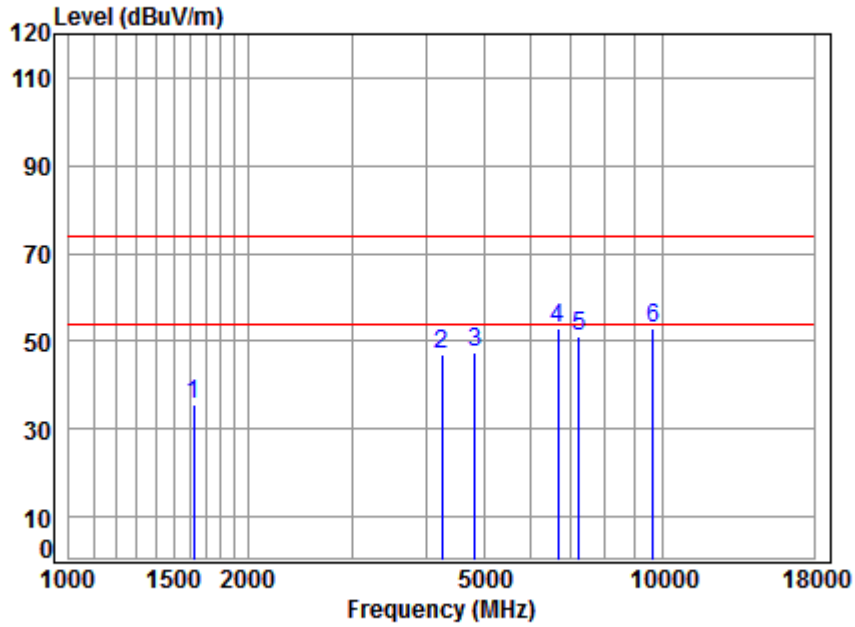
| Test mode: | 802.11b | Test channel: | Highest | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2462 TX RSE
Note : 2.4G WIFI 11B
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1587.975 | 5.37 | 26.20 | 41.46 | 46.05 | 36.16 | 74.00 | -37.84 | peak |
| 2 | 4254.921 | 7.28 | 33.17 | 42.37 | 47.95 | 46.03 | 74.00 | -27.97 | peak |
| 3 | 4924.000 | 8.01 | 34.11 | 42.49 | 47.52 | 47.15 | 74.00 | -26.85 | peak |
| 4 pp | 6414.167 | 11.38 | 35.52 | 41.28 | 47.75 | 53.37 | 74.00 | -20.63 | peak |
| 5 | 7386.000 | 10.03 | 36.21 | 40.59 | 45.50 | 51.15 | 74.00 | -22.85 | peak |
| 6 | 9848.000 | 10.87 | 37.81 | 37.41 | 41.53 | 52.80 | 74.00 | -21.20 | peak |

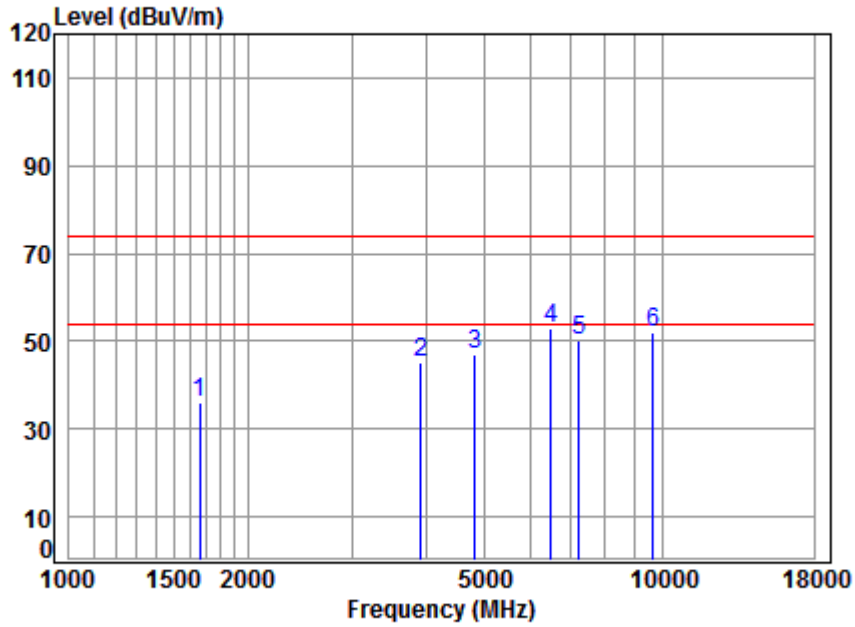
| Test mode: | 802.11g_CDD | Test channel: | Lowest | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2412 TX RSE
Note : 2.4G WIFI 11G
: CDD

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1625.121 | 5.32 | 26.36 | 41.49 | 45.57 | 35.76 | 74.00 | -38.24 | peak |
| 2 | 4242.641 | 7.27 | 33.15 | 42.37 | 48.83 | 46.88 | 74.00 | -27.12 | peak |
| 3 | 4824.000 | 7.91 | 34.00 | 42.47 | 48.15 | 47.59 | 74.00 | -26.41 | peak |
| 4 | 6679.040 | 11.02 | 35.71 | 41.08 | 47.05 | 52.70 | 74.00 | -21.30 | peak |
| 5 | 7236.000 | 10.07 | 36.09 | 40.69 | 45.77 | 51.24 | 74.00 | -22.76 | peak |
| 6 pp | 9648.000 | 10.77 | 37.69 | 37.68 | 42.01 | 52.79 | 74.00 | -21.21 | peak |

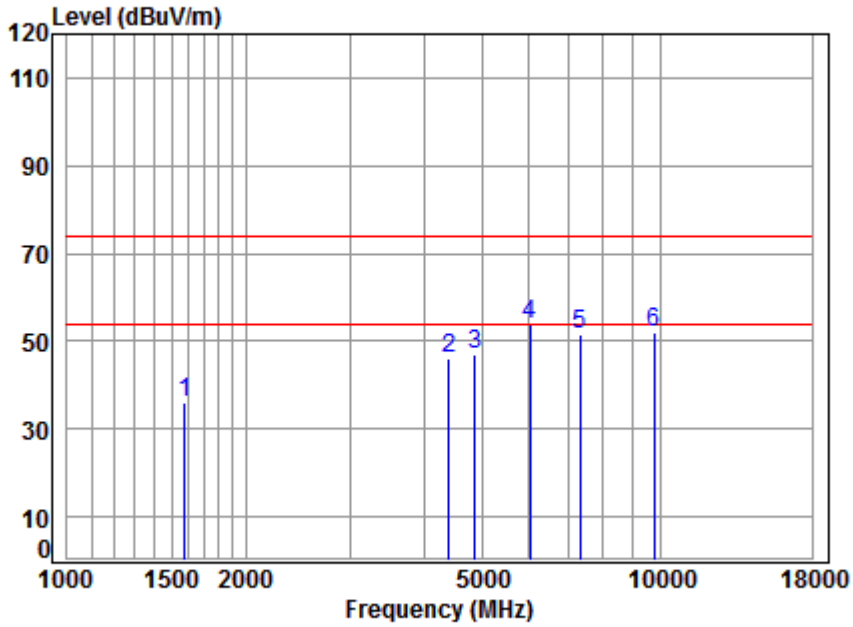
| Test mode: | 802.11g_CDD | Test channel: | Lowest | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2412 TX RSE
Note : 2.4G WIFI 11G
: CDD

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1663.137 | 5.27 | 26.52 | 41.51 | 45.70 | 35.98 | 74.00 | -38.02 | peak |
| 2 | 3924.135 | 6.91 | 32.56 | 42.31 | 48.23 | 45.39 | 74.00 | -28.61 | peak |
| 3 | 4824.000 | 7.91 | 34.00 | 42.47 | 47.75 | 47.19 | 74.00 | -26.81 | peak |
| 4 pp | 6488.754 | 11.52 | 35.59 | 41.22 | 47.18 | 53.07 | 74.00 | -20.93 | peak |
| 5 | 7236.000 | 10.07 | 36.09 | 40.69 | 44.71 | 50.18 | 74.00 | -23.82 | peak |
| 6 | 9648.000 | 10.77 | 37.69 | 37.68 | 41.38 | 52.16 | 74.00 | -21.84 | peak |

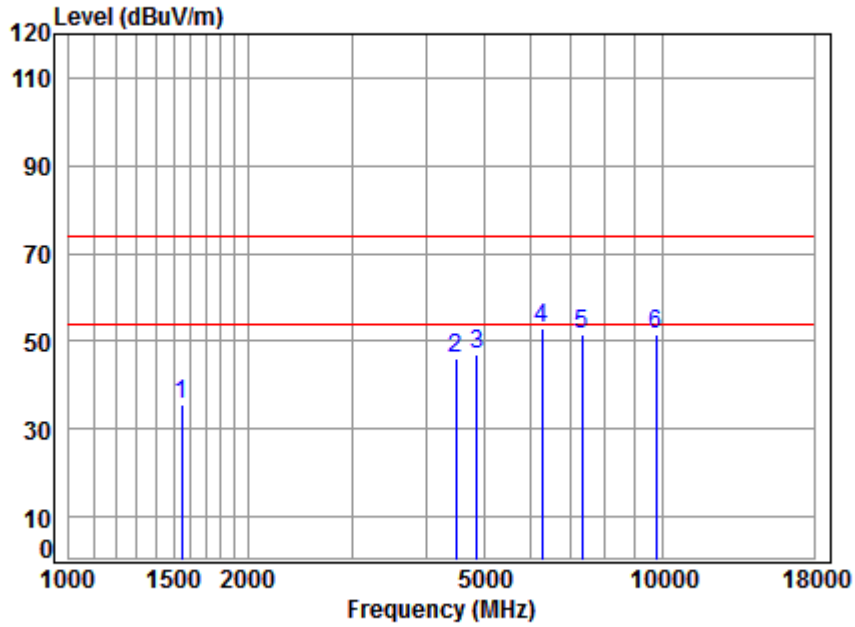
| Test mode: | 802.11g_CDD | Test channel: | Middle | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2437 TX RSE
Note : 2.4G WIFI 11G
: CDD

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1578.822 | 5.38 | 26.16 | 41.46 | 46.09 | 36.17 | 74.00 | -37.83 | peak |
| 2 | 4405.090 | 7.46 | 33.44 | 42.40 | 47.60 | 46.10 | 74.00 | -27.90 | peak |
| 3 | 4874.000 | 7.96 | 34.05 | 42.48 | 47.66 | 47.19 | 74.00 | -26.81 | peak |
| 4 pp | 6036.421 | 10.64 | 35.14 | 41.58 | 49.49 | 53.69 | 74.00 | -20.31 | peak |
| 5 | 7311.000 | 10.05 | 36.15 | 40.64 | 46.11 | 51.67 | 74.00 | -22.33 | peak |
| 6 | 9748.000 | 10.82 | 37.75 | 37.54 | 40.87 | 51.90 | 74.00 | -22.10 | peak |

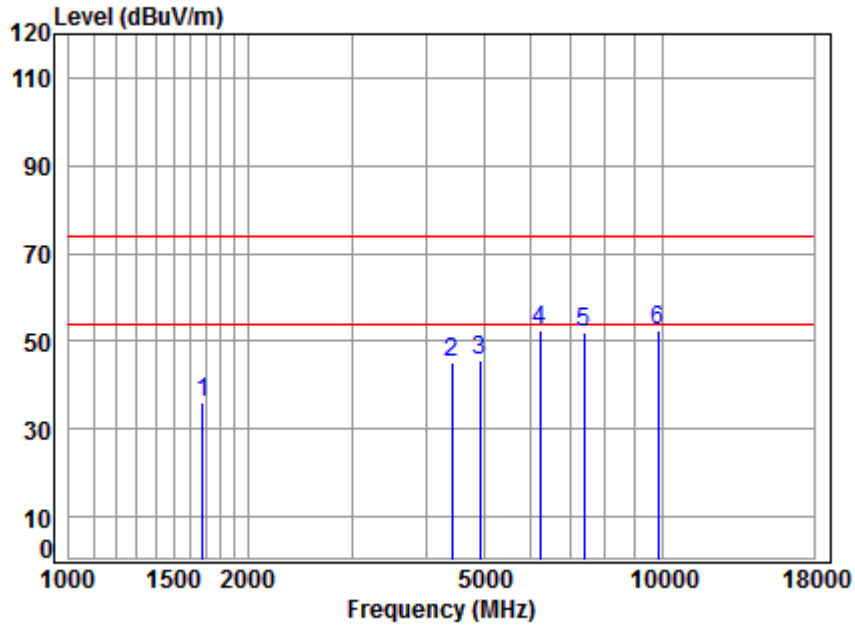
| Test mode: | 802.11g_CDD | Test channel: | Middle | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2437 TX RSE
Note : 2.4G WIFI 11G
: CDD

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1547.199 | 5.42 | 26.02 | 41.44 | 45.79 | 35.79 | 74.00 | -38.21 | peak |
| 2 | 4482.150 | 7.54 | 33.57 | 42.41 | 47.27 | 45.97 | 74.00 | -28.03 | peak |
| 3 | 4874.000 | 7.96 | 34.05 | 42.48 | 47.67 | 47.20 | 74.00 | -26.80 | peak |
| 4 pp | 6267.553 | 11.10 | 35.37 | 41.39 | 47.67 | 52.75 | 74.00 | -21.25 | peak |
| 5 | 7311.000 | 10.05 | 36.15 | 40.64 | 45.85 | 51.41 | 74.00 | -22.59 | peak |
| 6 | 9748.000 | 10.82 | 37.75 | 37.54 | 40.47 | 51.50 | 74.00 | -22.50 | peak |

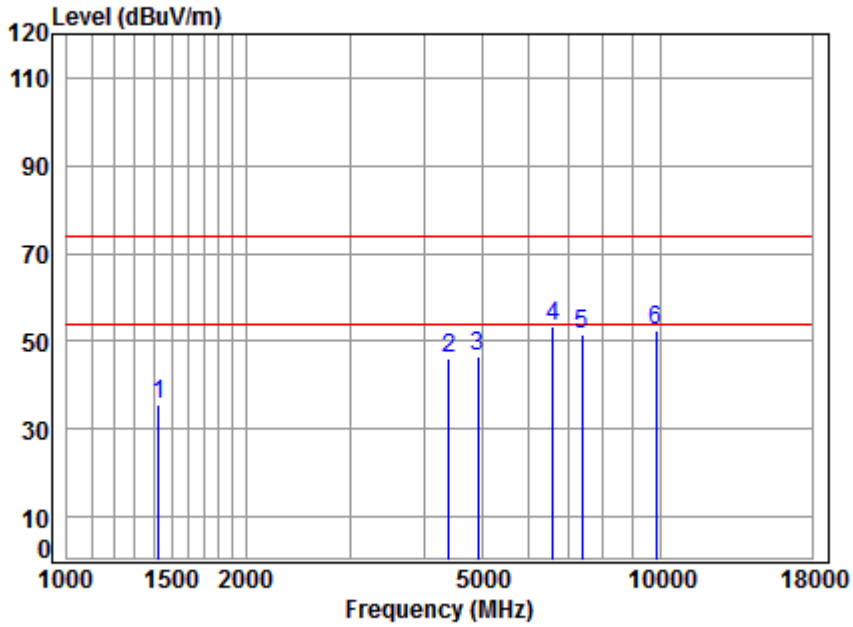
| Test mode: | 802.11g_CDD | Test channel: | Highest | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2462 TX RSE
Note : 2.4G WIFI 11G
: CDD

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1682.477 | 5.25 | 26.60 | 41.52 | 45.66 | 35.99 | 74.00 | -38.01 | peak |
| 2 | 4417.841 | 7.47 | 33.46 | 42.40 | 46.45 | 44.98 | 74.00 | -29.02 | peak |
| 3 | 4924.000 | 8.01 | 34.11 | 42.49 | 46.20 | 45.83 | 74.00 | -28.17 | peak |
| 4 pp | 6213.441 | 10.99 | 35.32 | 41.44 | 47.65 | 52.52 | 74.00 | -21.48 | peak |
| 5 | 7386.000 | 10.03 | 36.21 | 40.59 | 46.43 | 52.08 | 74.00 | -21.92 | peak |
| 6 | 9848.000 | 10.87 | 37.81 | 37.41 | 41.22 | 52.49 | 74.00 | -21.51 | peak |

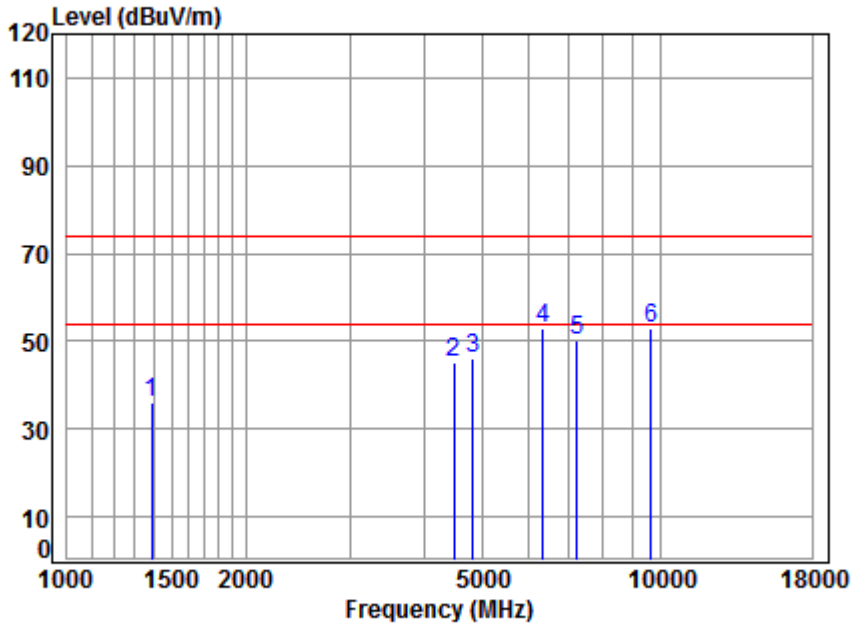
| Test mode: | 802.11g_CDD | Test channel: | Highest | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2462 TX RSE
Note : 2.4G WIFI 11G
: CDD

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1426.916 | 5.24 | 25.53 | 41.36 | 46.04 | 35.45 | 74.00 | -38.55 | peak |
| 2 | 4405.090 | 7.46 | 33.44 | 42.40 | 47.42 | 45.92 | 74.00 | -28.08 | peak |
| 3 | 4924.000 | 8.01 | 34.11 | 42.49 | 46.95 | 46.58 | 74.00 | -27.42 | peak |
| 4 pp | 6583.209 | 11.30 | 35.65 | 41.15 | 47.66 | 53.46 | 74.00 | -20.54 | peak |
| 5 | 7386.000 | 10.03 | 36.21 | 40.59 | 46.06 | 51.71 | 74.00 | -22.29 | peak |
| 6 | 9848.000 | 10.87 | 37.81 | 37.41 | 41.12 | 52.39 | 74.00 | -21.61 | peak |

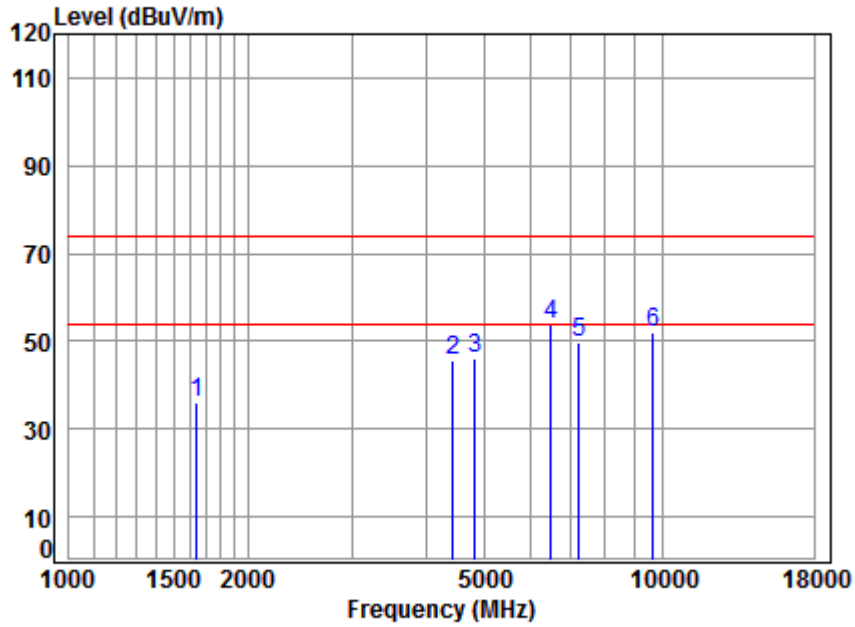
| Test mode: | 802.11n(HT20)_MIMO | Test channel: | Lowest | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2412 TX RSE
Note : 2.4G WIFI 11N 20
: MIMO

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1390.276 | 5.12 | 25.39 | 41.33 | 46.88 | 36.06 | 74.00 | -37.94 | peak |
| 2 | 4495.125 | 7.55 | 33.59 | 42.42 | 46.28 | 45.00 | 74.00 | -29.00 | peak |
| 3 | 4824.000 | 7.91 | 34.00 | 42.47 | 46.83 | 46.27 | 74.00 | -27.73 | peak |
| 4 | 6340.436 | 11.24 | 35.44 | 41.34 | 47.69 | 53.03 | 74.00 | -20.97 | peak |
| 5 | 7236.000 | 10.07 | 36.09 | 40.69 | 44.87 | 50.34 | 74.00 | -23.66 | peak |
| 6 pp | 9648.000 | 10.77 | 37.69 | 37.68 | 42.27 | 53.05 | 74.00 | -20.95 | peak |

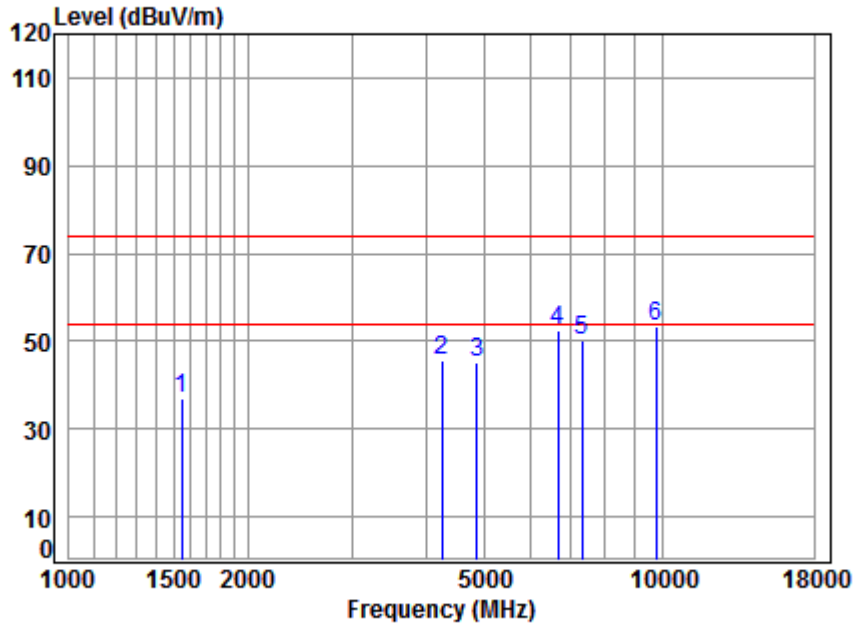
| Test mode: | 802.11n(HT20)_MIMO | Test channel: | Lowest | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2412 TX RSE
Note : 2.4G WIFI 11N 20
: MIMO

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1639.274 | 5.30 | 26.42 | 41.49 | 45.59 | 35.82 | 74.00 | -38.18 | peak |
| 2 | 4430.628 | 7.48 | 33.48 | 42.41 | 47.22 | 45.77 | 74.00 | -28.23 | peak |
| 3 | 4824.000 | 7.91 | 34.00 | 42.47 | 46.46 | 45.90 | 74.00 | -28.10 | peak |
| 4 pp | 6488.754 | 11.52 | 35.59 | 41.22 | 47.73 | 53.62 | 74.00 | -20.38 | peak |
| 5 | 7236.000 | 10.07 | 36.09 | 40.69 | 44.47 | 49.94 | 74.00 | -24.06 | peak |
| 6 | 9648.000 | 10.77 | 37.69 | 37.68 | 41.32 | 52.10 | 74.00 | -21.90 | peak |

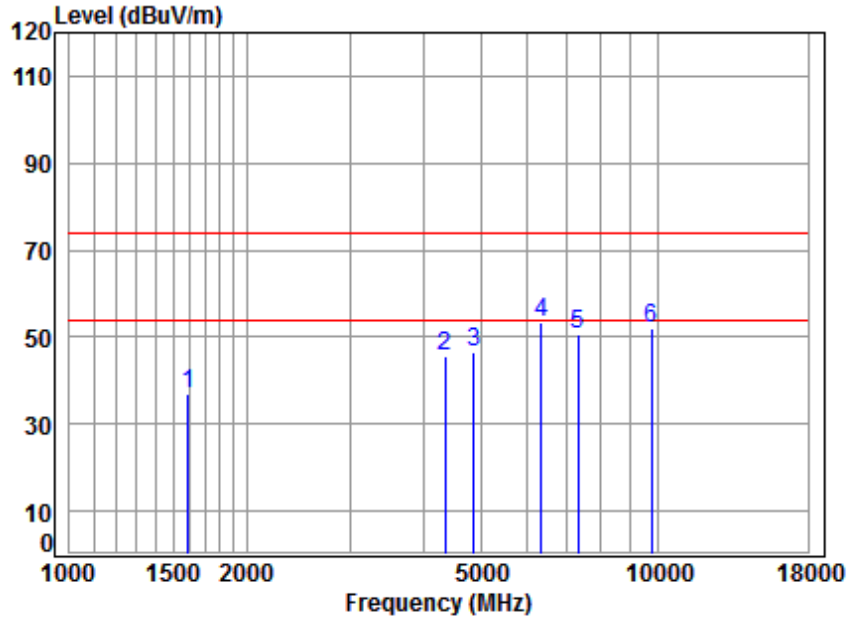
| Test mode: | 802.11n(HT20)_MIMO | Test channel: | Middle | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2437 TX RSE
Note : 2.4G WIFI 11N 20
: MIMO

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1547.199 | 5.42 | 26.02 | 41.44 | 47.00 | 37.00 | 74.00 | -37.00 | peak |
| 2 | 4242.641 | 7.27 | 33.15 | 42.37 | 47.50 | 45.55 | 74.00 | -28.45 | peak |
| 3 | 4874.000 | 7.96 | 34.05 | 42.48 | 45.53 | 45.06 | 74.00 | -28.94 | peak |
| 4 | 6679.040 | 11.02 | 35.71 | 41.08 | 46.93 | 52.58 | 74.00 | -21.42 | peak |
| 5 | 7311.000 | 10.05 | 36.15 | 40.64 | 44.80 | 50.36 | 74.00 | -23.64 | peak |
| 6 pp | 9748.000 | 10.82 | 37.75 | 37.54 | 42.43 | 53.46 | 74.00 | -20.54 | peak |

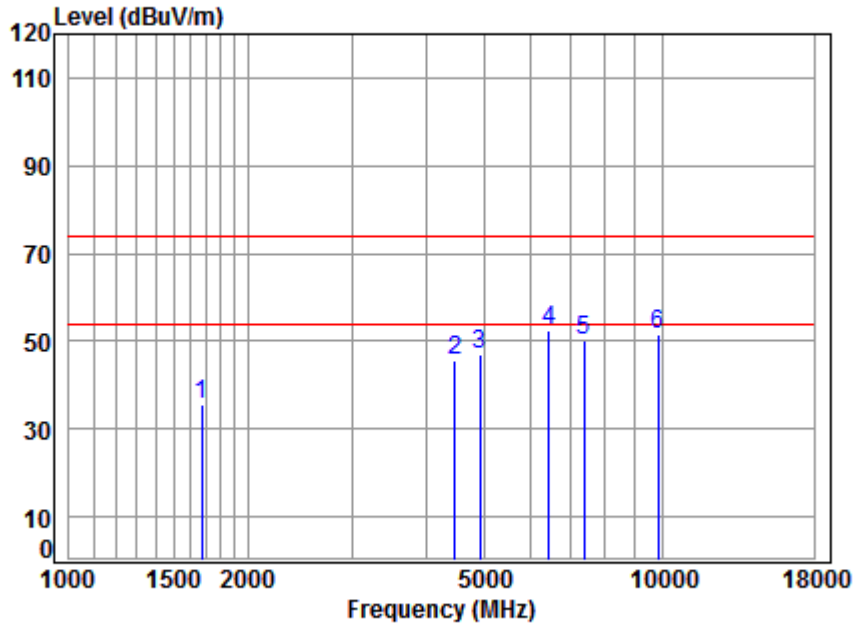
| Test mode: | 802.11n(HT20)_MIMO | Test channel: | Middle | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2437 TX RSE
Note : 2.4G WIFI 11N 20
: MIMO

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1592.571 | 5.36 | 26.22 | 41.47 | 47.00 | 37.11 | 74.00 | -36.89 | peak |
| 2 | 4354.454 | 7.40 | 33.35 | 42.39 | 47.29 | 45.65 | 74.00 | -28.35 | peak |
| 3 | 4874.000 | 7.96 | 34.05 | 42.48 | 46.85 | 46.38 | 74.00 | -27.62 | peak |
| 4 pp | 6340.436 | 11.24 | 35.44 | 41.34 | 47.83 | 53.17 | 74.00 | -20.83 | peak |
| 5 | 7311.000 | 10.05 | 36.15 | 40.64 | 45.13 | 50.69 | 74.00 | -23.31 | peak |
| 6 | 9748.000 | 10.82 | 37.75 | 37.54 | 40.81 | 51.84 | 74.00 | -22.16 | peak |

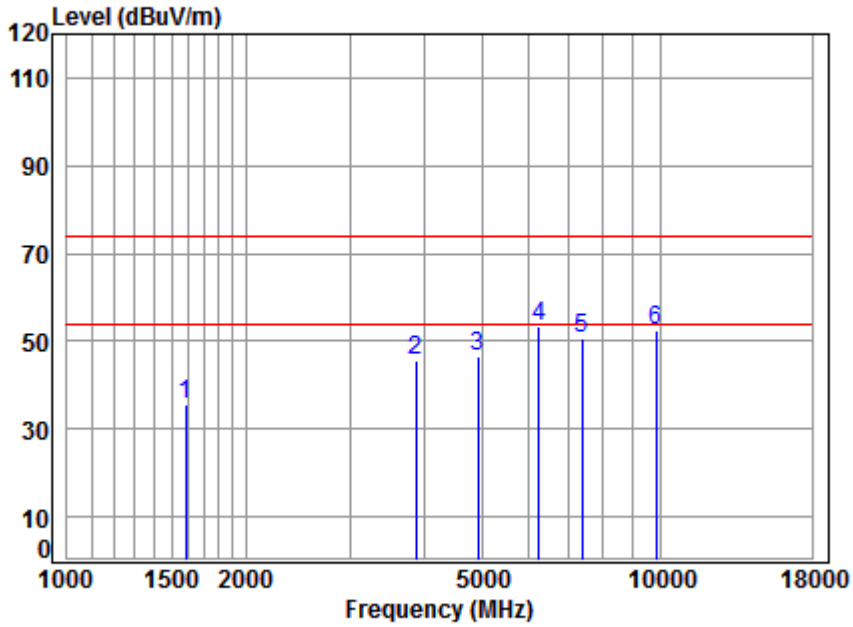
| Test mode: | 802.11n(HT20)_MIMO | Test channel: | Highest | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2462 TX RSE
Note : 2.4G WIFI 11N 20
: MIMO

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1672.779 | 5.26 | 26.56 | 41.52 | 45.30 | 35.60 | 74.00 | -38.40 | peak |
| 2 | 4469.214 | 7.53 | 33.55 | 42.41 | 46.89 | 45.56 | 74.00 | -28.44 | peak |
| 3 | 4924.000 | 8.01 | 34.11 | 42.49 | 47.18 | 46.81 | 74.00 | -27.19 | peak |
| 4 pp | 6451.353 | 11.45 | 35.55 | 41.25 | 46.80 | 52.55 | 74.00 | -21.45 | peak |
| 5 | 7386.000 | 10.03 | 36.21 | 40.59 | 44.73 | 50.38 | 74.00 | -23.62 | peak |
| 6 | 9848.000 | 10.87 | 37.81 | 37.41 | 40.51 | 51.78 | 74.00 | -22.22 | peak |

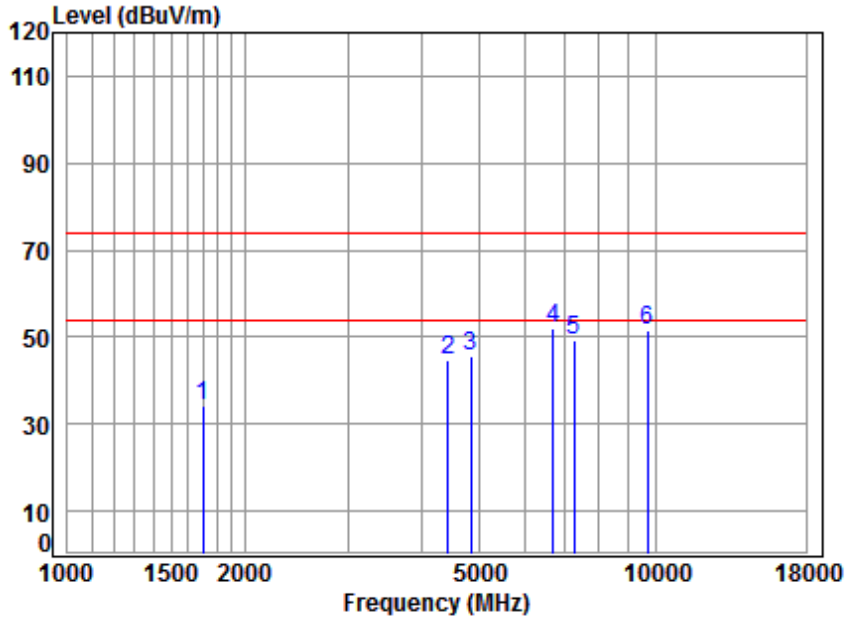
| Test mode: | 802.11n(HT20)_MIMO | Test channel: | Highest | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2462 TX RSE
Note : 2.4G WIFI 11N 20
: MIMO

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1583.392 | 5.37 | 26.18 | 41.46 | 45.43 | 35.52 | 74.00 | -38.48 | peak |
| 2 | 3867.831 | 6.85 | 32.45 | 42.30 | 48.81 | 45.81 | 74.00 | -28.19 | peak |
| 3 | 4924.000 | 8.01 | 34.11 | 42.49 | 46.83 | 46.46 | 74.00 | -27.54 | peak |
| 4 pp | 6249.464 | 11.06 | 35.35 | 41.41 | 48.52 | 53.52 | 74.00 | -20.48 | peak |
| 5 | 7386.000 | 10.03 | 36.21 | 40.59 | 44.99 | 50.64 | 74.00 | -23.36 | peak |
| 6 | 9848.000 | 10.87 | 37.81 | 37.41 | 41.40 | 52.67 | 74.00 | -21.33 | peak |

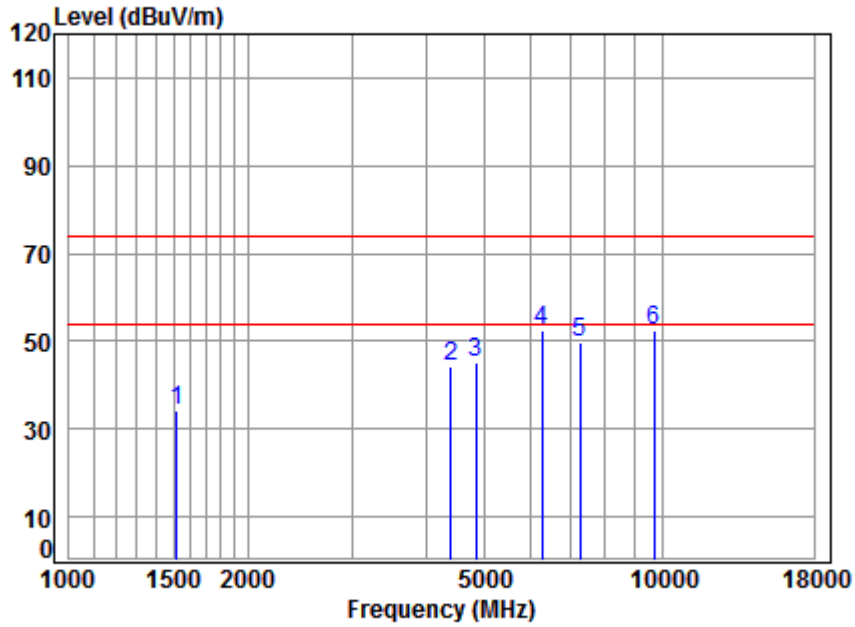
| Test mode: | 802.11n(HT40) | Test channel: | Lowest | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2422 TX SE
Note : 2.4G WiFi 11N40
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1702.042 | 5.23 | 26.68 | 41.53 | 43.72 | 34.10 | 74.00 | -39.90 | peak |
| 2 | 4430.628 | 7.48 | 33.48 | 42.41 | 46.25 | 44.80 | 74.00 | -29.20 | peak |
| 3 | 4844.000 | 7.93 | 34.02 | 42.48 | 46.24 | 45.71 | 74.00 | -28.29 | peak |
| 4 pp | 6698.373 | 10.97 | 35.72 | 41.07 | 46.33 | 51.95 | 74.00 | -22.05 | peak |
| 5 | 7266.000 | 10.06 | 36.12 | 40.67 | 43.62 | 49.13 | 74.00 | -24.87 | peak |
| 6 | 9688.000 | 10.79 | 37.71 | 37.63 | 40.54 | 51.41 | 74.00 | -22.59 | peak |

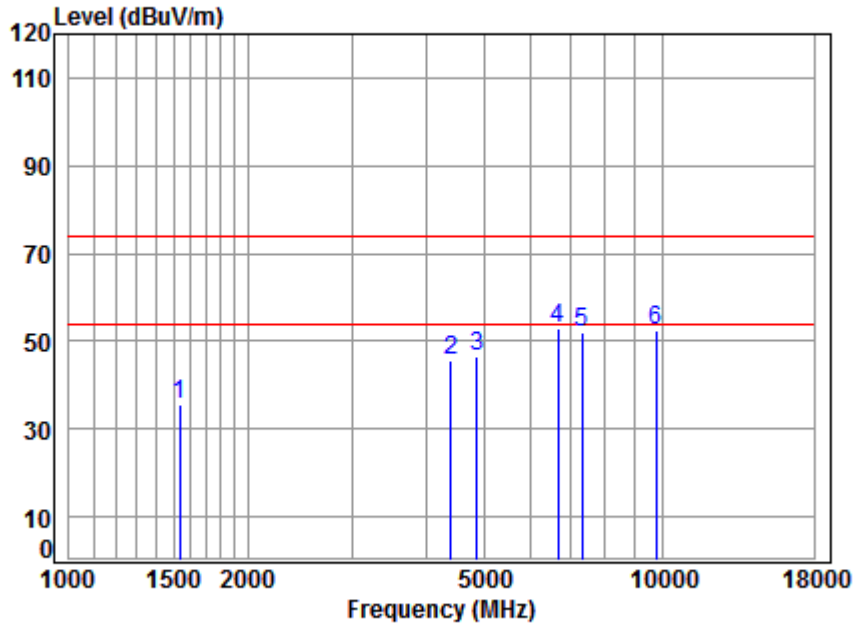
| Test mode: | 802.11n(HT40) | Test channel: | Lowest | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2422 TX SE
Note : 2.4G WiFi 11N40
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1520.598 | 5.45 | 25.89 | 41.42 | 44.25 | 34.17 | 74.00 | -39.83 | peak |
| 2 | 4405.090 | 7.46 | 33.44 | 42.40 | 45.95 | 44.45 | 74.00 | -29.55 | peak |
| 3 | 4844.000 | 7.93 | 34.02 | 42.48 | 45.81 | 45.28 | 74.00 | -28.72 | peak |
| 4 pp | 6267.553 | 11.10 | 35.37 | 41.39 | 47.48 | 52.56 | 74.00 | -21.44 | peak |
| 5 | 7266.000 | 10.06 | 36.12 | 40.67 | 44.28 | 49.79 | 74.00 | -24.21 | peak |
| 6 | 9688.000 | 10.79 | 37.71 | 37.63 | 41.38 | 52.25 | 74.00 | -21.75 | peak |

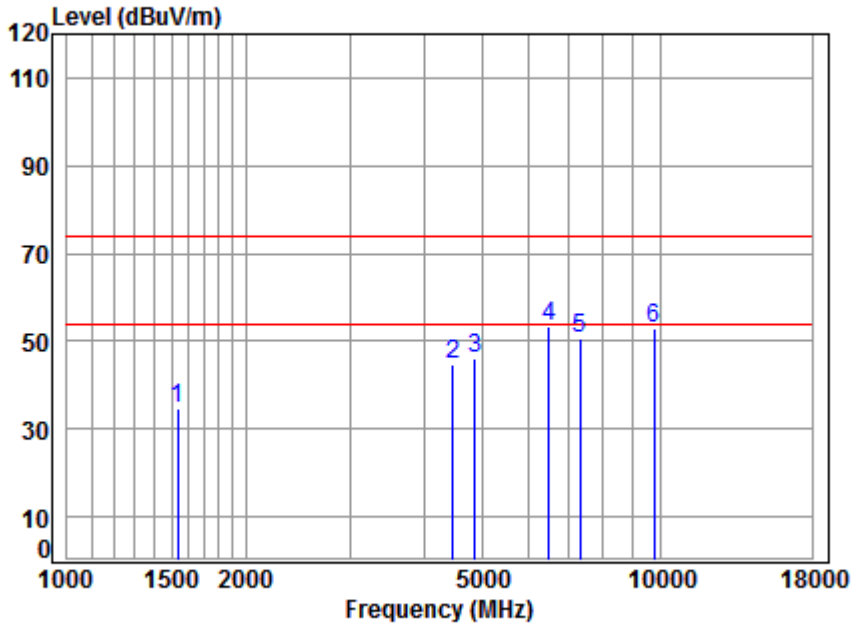
| Test mode: | 802.11n(HT40) | Test channel: | Middle | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2437 TX SE
Note : 2.4G WiFi 11N40
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1538.281 | 5.43 | 25.98 | 41.43 | 45.65 | 35.63 | 74.00 | -38.37 | peak |
| 2 | 4405.090 | 7.46 | 33.44 | 42.40 | 47.34 | 45.84 | 74.00 | -28.16 | peak |
| 3 | 4874.000 | 7.96 | 34.05 | 42.48 | 47.16 | 46.69 | 74.00 | -27.31 | peak |
| 4 pp | 6679.040 | 11.02 | 35.71 | 41.08 | 47.25 | 52.90 | 74.00 | -21.10 | peak |
| 5 | 7311.000 | 10.05 | 36.15 | 40.64 | 46.52 | 52.08 | 74.00 | -21.92 | peak |
| 6 | 9748.000 | 10.82 | 37.75 | 37.54 | 41.58 | 52.61 | 74.00 | -21.39 | peak |

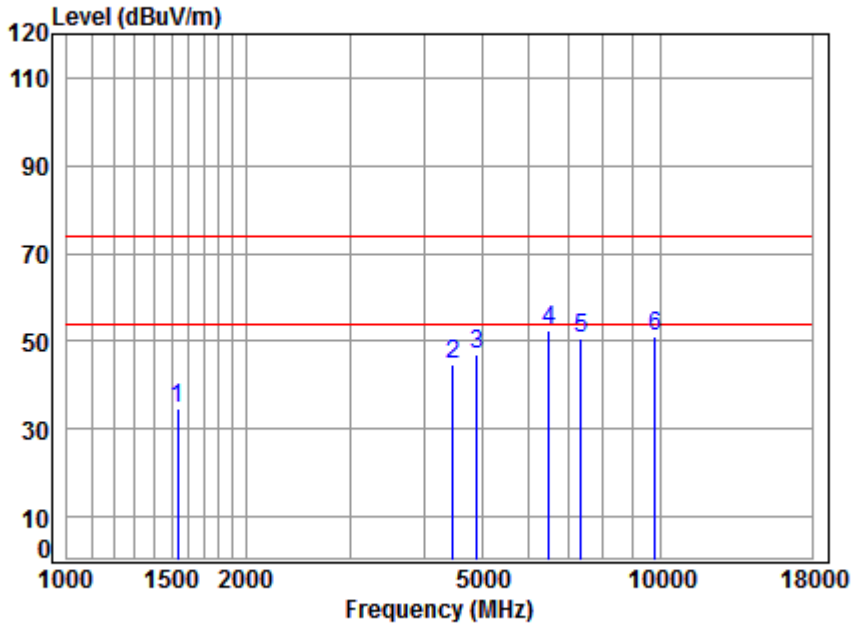
| Test mode: | 802.11n(HT40) | Test channel: | Middle | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2437 TX SE
Note : 2.4G WiFi 11N40
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1538.281 | 5.43 | 25.98 | 41.43 | 44.64 | 34.62 | 74.00 | -39.38 | peak |
| 2 | 4469.214 | 7.53 | 33.55 | 42.41 | 46.08 | 44.75 | 74.00 | -29.25 | peak |
| 3 | 4874.000 | 7.96 | 34.05 | 42.48 | 46.52 | 46.05 | 74.00 | -27.95 | peak |
| 4 pp | 6488.754 | 11.52 | 35.59 | 41.22 | 47.62 | 53.51 | 74.00 | -20.49 | peak |
| 5 | 7311.000 | 10.05 | 36.15 | 40.64 | 45.16 | 50.72 | 74.00 | -23.28 | peak |
| 6 | 9748.000 | 10.82 | 37.75 | 37.54 | 41.93 | 52.96 | 74.00 | -21.04 | peak |

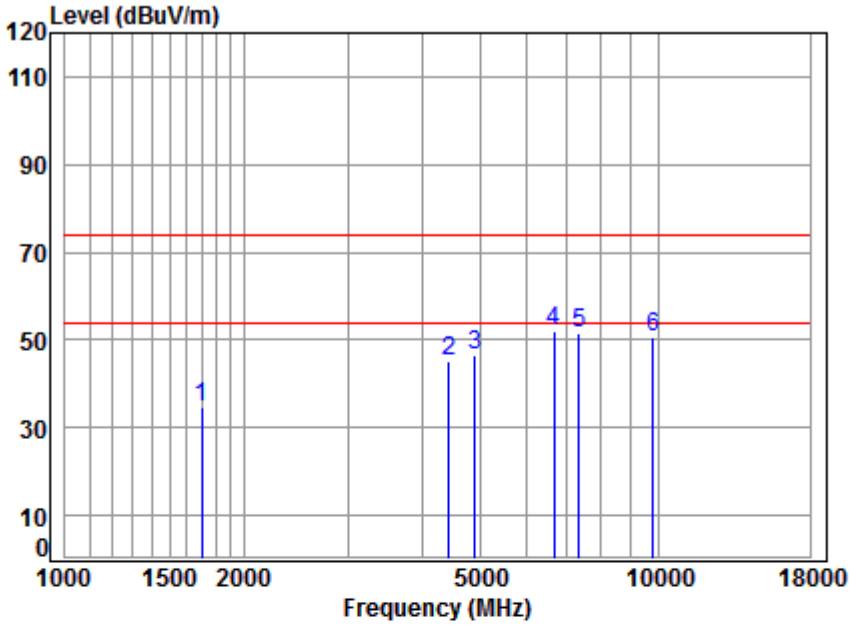
| Test mode: | 802.11n(HT40) | Test channel: | Highest | Remark: | Peak | Vertical |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m VERTICAL
Job No : 06549RG
Mode : 2452 TX SE
Note : 2.4G WiFi 11N40
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1538.281 | 5.43 | 25.98 | 41.43 | 44.64 | 34.62 | 74.00 | -39.38 | peak |
| 2 | 4469.214 | 7.53 | 33.55 | 42.41 | 46.08 | 44.75 | 74.00 | -29.25 | peak |
| 3 | 4904.000 | 7.99 | 34.09 | 42.48 | 47.29 | 46.89 | 74.00 | -27.11 | peak |
| 4 pp | 6488.754 | 11.52 | 35.59 | 41.22 | 46.62 | 52.51 | 74.00 | -21.49 | peak |
| 5 | 7356.000 | 10.04 | 36.19 | 40.61 | 45.10 | 50.72 | 74.00 | -23.28 | peak |
| 6 | 9808.000 | 10.85 | 37.79 | 37.46 | 39.85 | 51.03 | 74.00 | -22.97 | peak |

| Test mode: | 802.11n(HT40) | Test channel: | Highest | Remark: | Peak | Horizontal |
|---|---|---|---|---|---|---|




Site : chamber
Condition: 3m HORIZONTAL
Job No : 06549RG
Mode : 2452 TX SE
Note : 2.4G WiFi 11N40
: ANT1

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 1702.042 | 5.23 | 26.68 | 41.53 | 44.31 | 34.69 | 74.00 | -39.31 | peak |
| 2 | 4430.628 | 7.48 | 33.48 | 42.41 | 46.61 | 45.16 | 74.00 | -28.84 | peak |
| 3 | 4904.000 | 7.99 | 34.09 | 42.48 | 46.93 | 46.53 | 74.00 | -27.47 | peak |
| 4 pp | 6659.763 | 11.08 | 35.70 | 41.10 | 46.55 | 52.23 | 74.00 | -21.77 | peak |
| 5 | 7356.000 | 10.04 | 36.19 | 40.61 | 45.99 | 51.61 | 74.00 | -22.39 | peak |
| 6 | 9808.000 | 10.85 | 37.79 | 37.46 | 39.46 | 50.64 | 74.00 | -23.36 | peak |

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

2) Scan from 9kHz to 25GHz, the disturbance between 9KHz to 30MHz and 18GHz to 25GHz was very low , and the above harmonics were the highest point could be found when testing, The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. So only the worst case data is recorded in the report.

3）As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

4）All Modes have been tested, but only the worst case data displayed in this report.