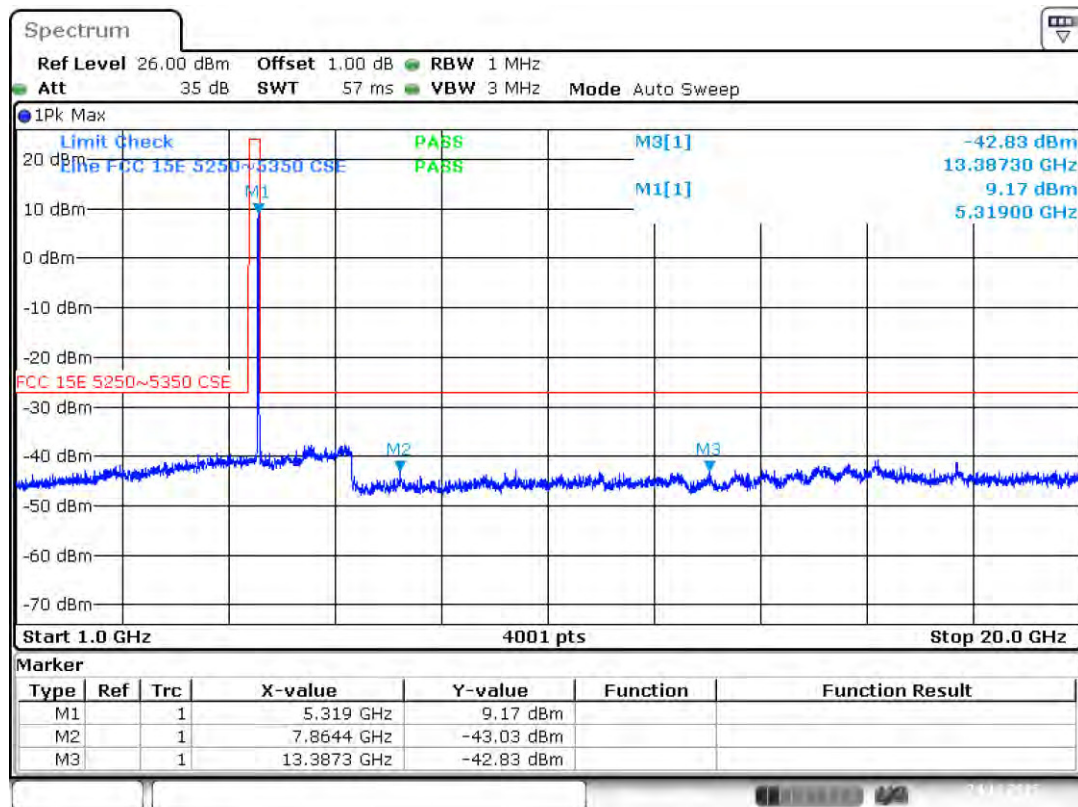
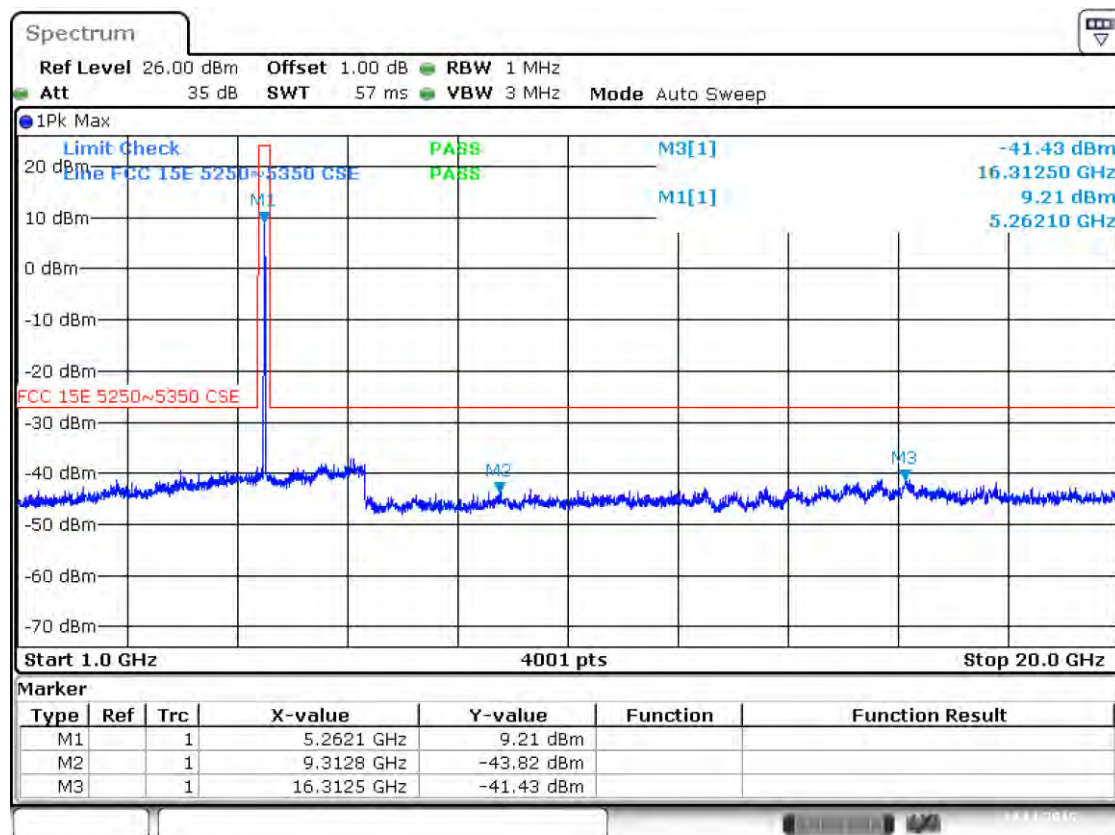




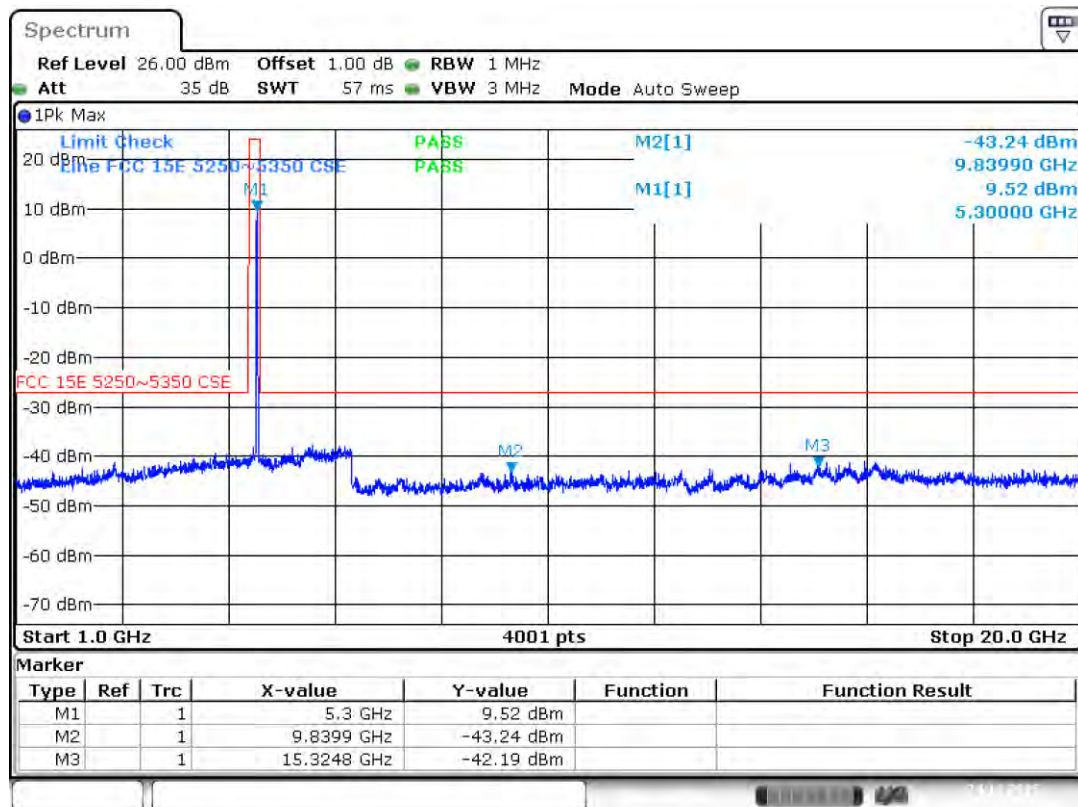
Date: 24.NOV.2015 18:00:06

### Band II 11n(HT20) CH52 (1 ~ 20 GHz)



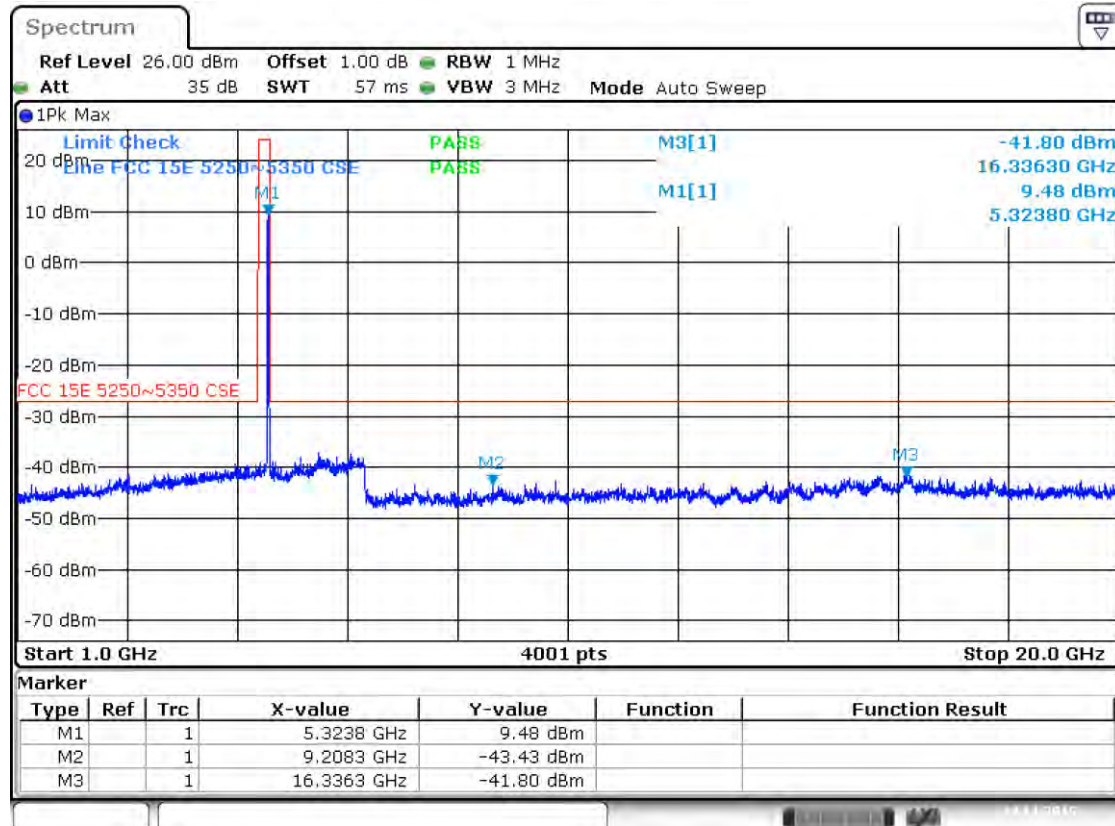
Date: 24.NOV.2015 18:23:48

### Band II 11n(HT20) CH60 (1 ~ 20 GHz)



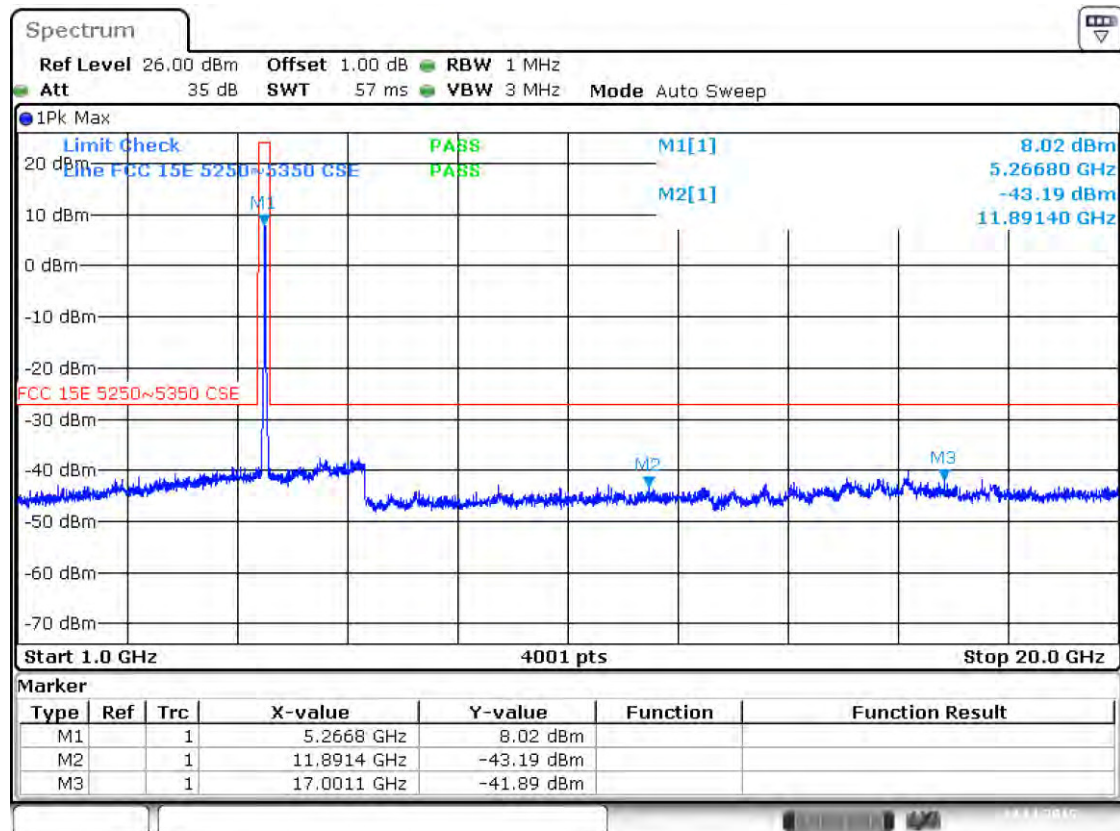
Date: 24.NOV.2015 18:25:32

### Band II 11n(HT20) CH64 (1 ~ 20 GHz)



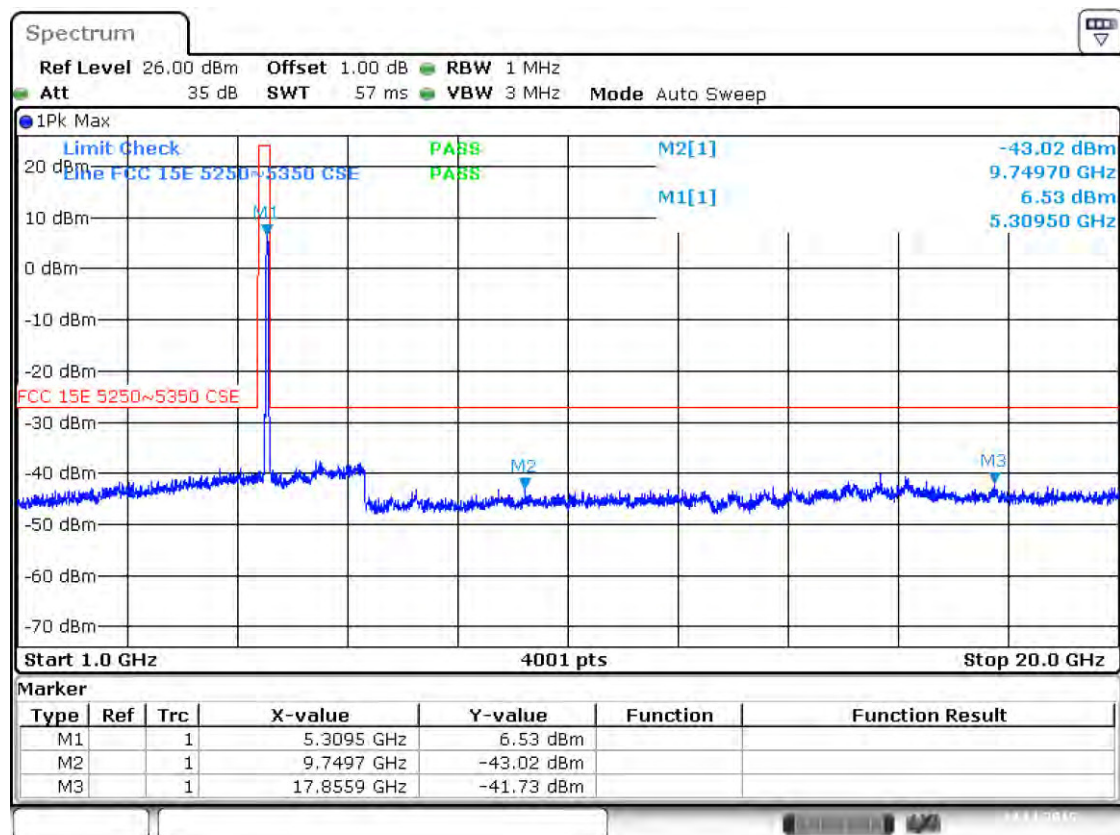
Date: 24.NOV.2015 18:26:53

### Band II 11n(HT40) CH54 (1 ~ 20 GHz)



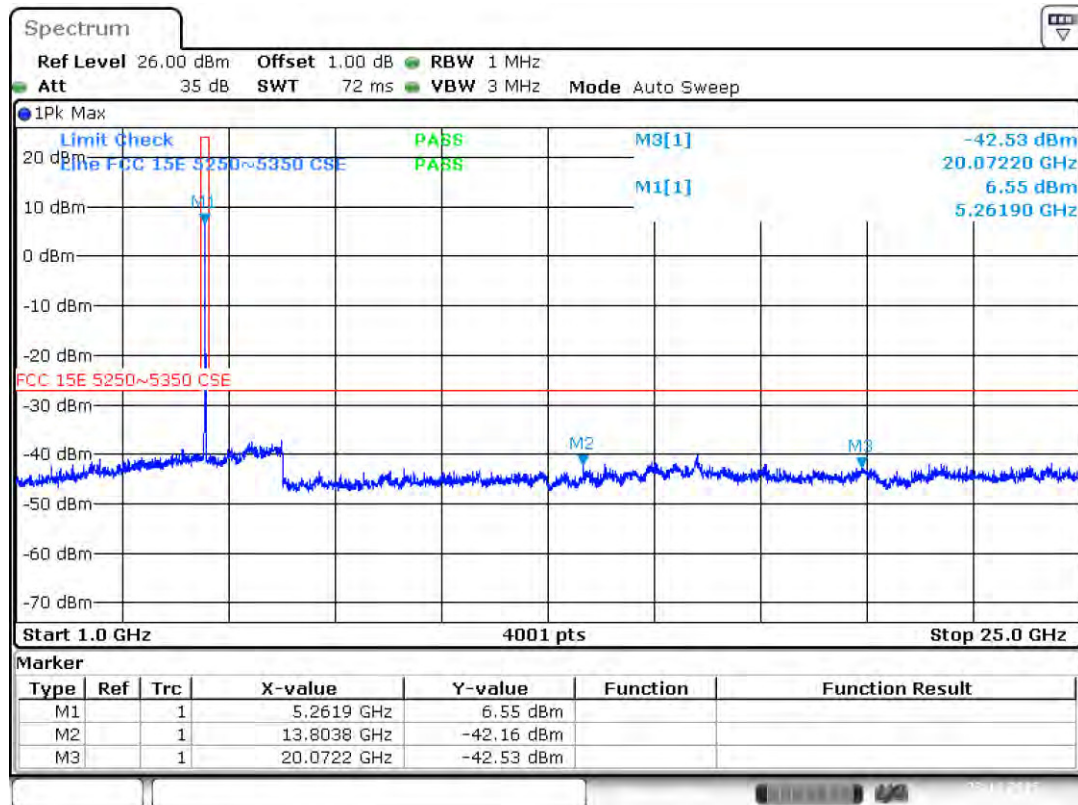
Date: 24.NOV.2015 19:02:34

### Band II 11n(HT40) CH62 (1 ~ 20 GHz)



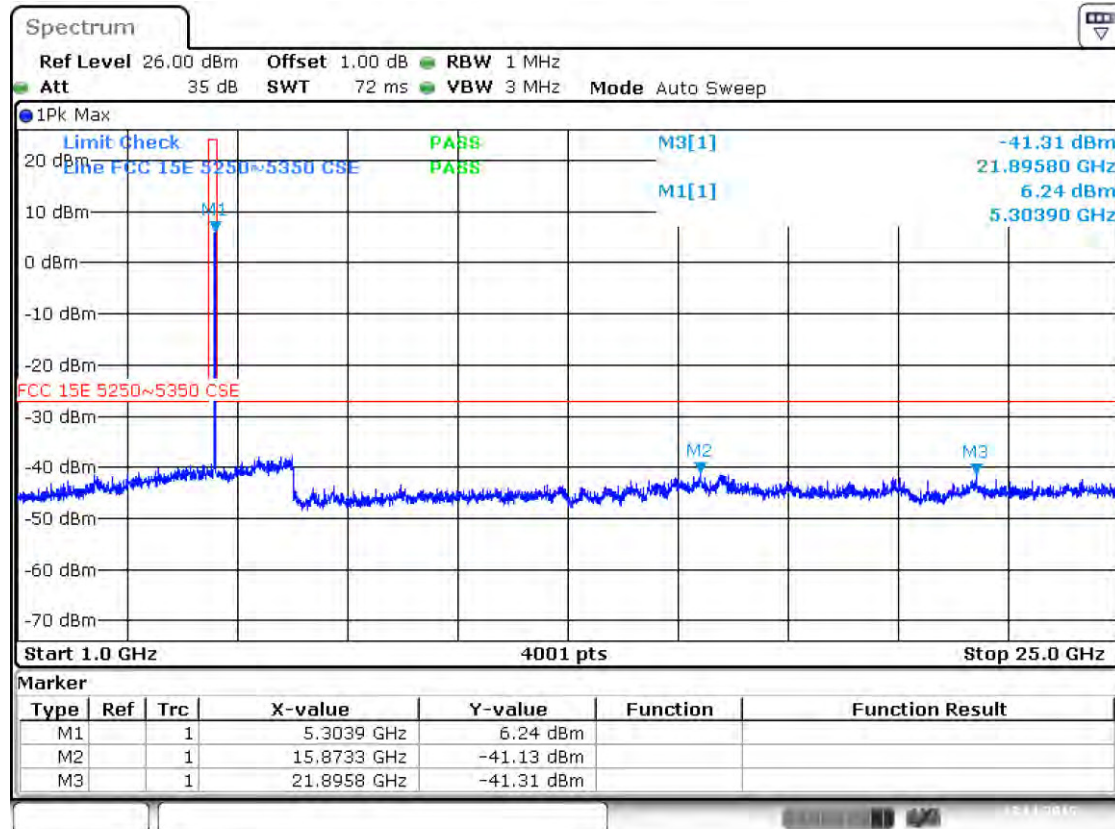
Date: 24.NOV.2015 19:04:04

### Band II 11ac(HT20) CH52 (1 ~ 20 GHz)



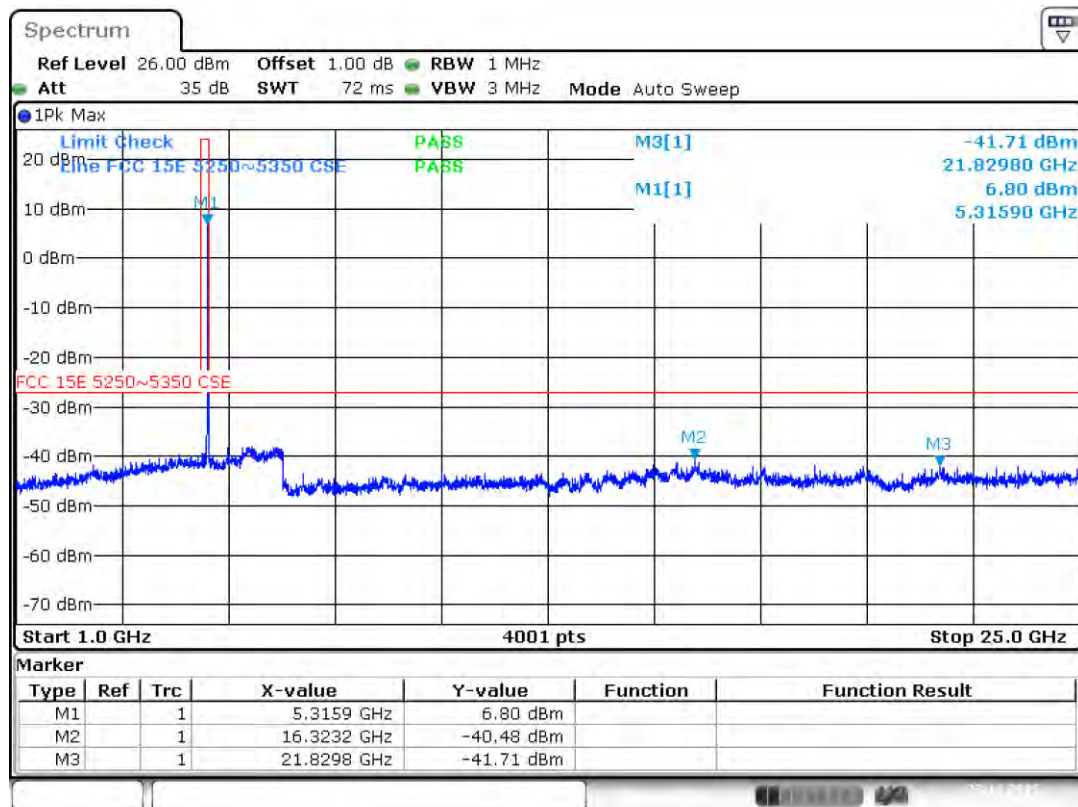
Date: 23.NOV.2015 15:10:20

### Band II 11ac(HT20) CH60 (1 ~ 20 GHz)



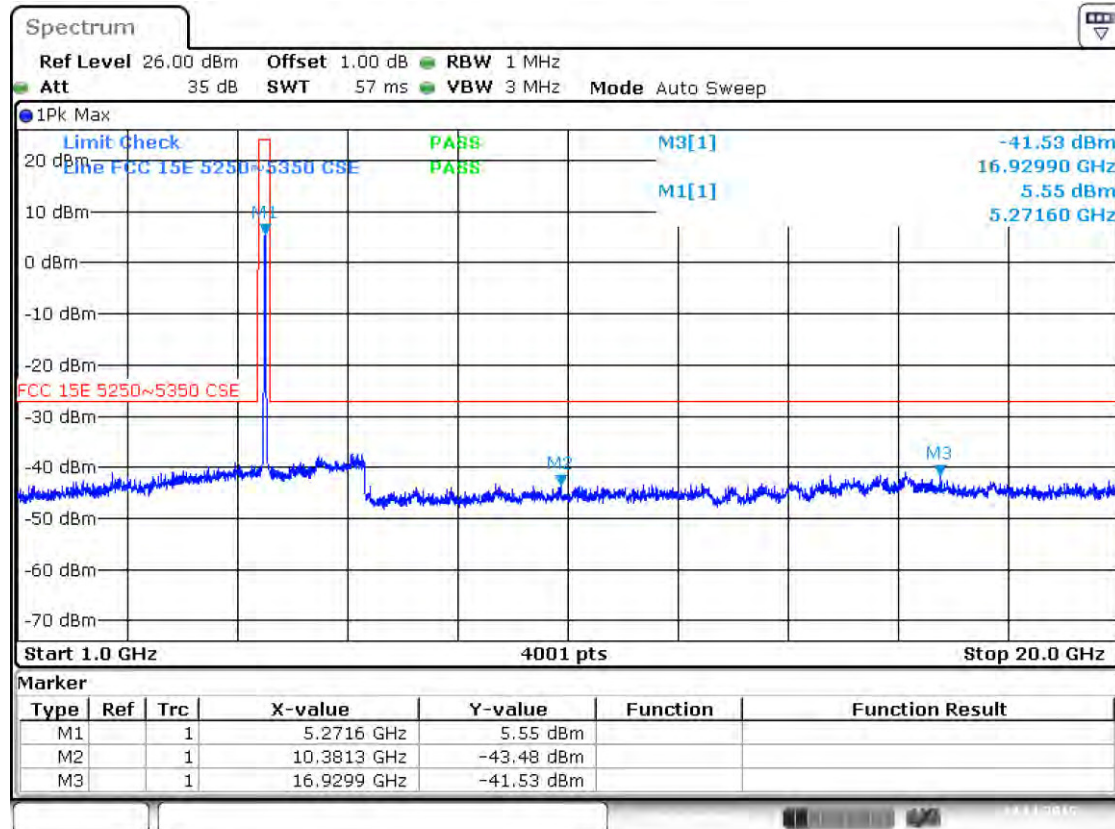
Date: 23.NOV.2015 15:12:29

### Band II 11ac(HT20) CH64 (1 ~ 20 GHz)



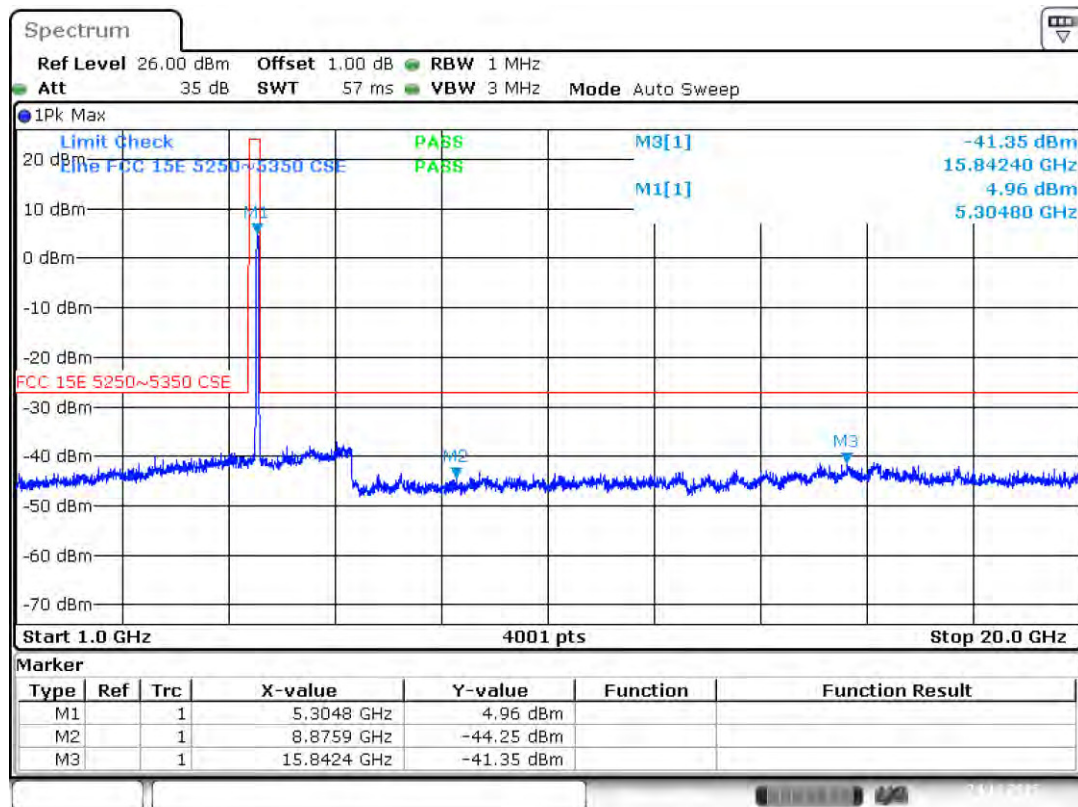
Date: 23.NOV.2015 15:14:07

### Band II 11ac(HT40) CH54 (1 ~ 20 GHz)



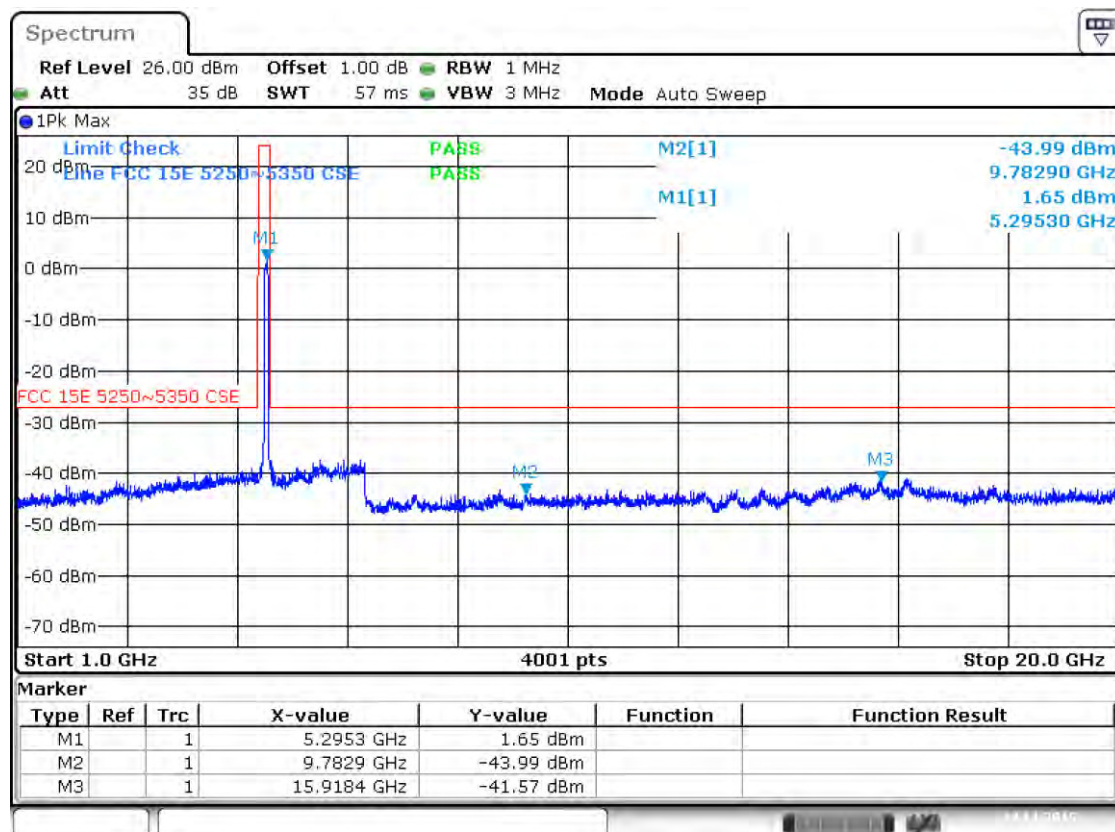
Date: 24.NOV.2015 18:49:08

### Band II 11ac(HT40) CH62 (1 ~ 20 GHz)



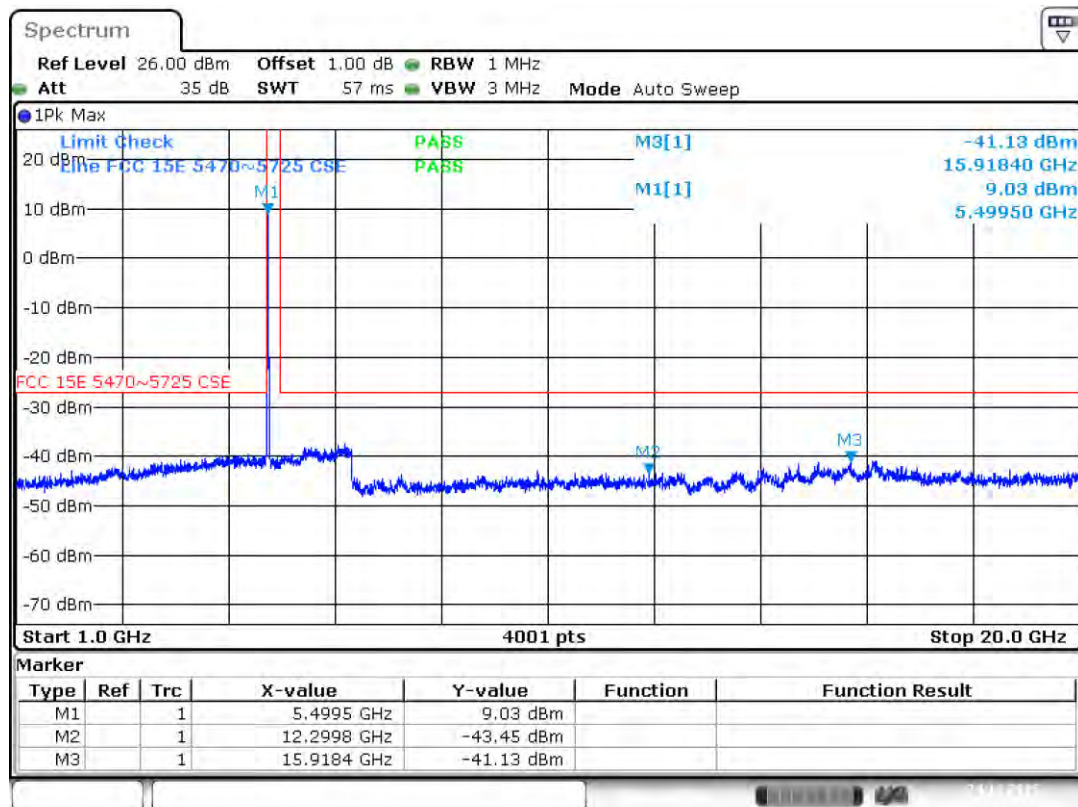
Date: 24.NOV.2015 18:51:20

### Band II 11ac(HT80) CH58 (1 ~ 20 GHz)



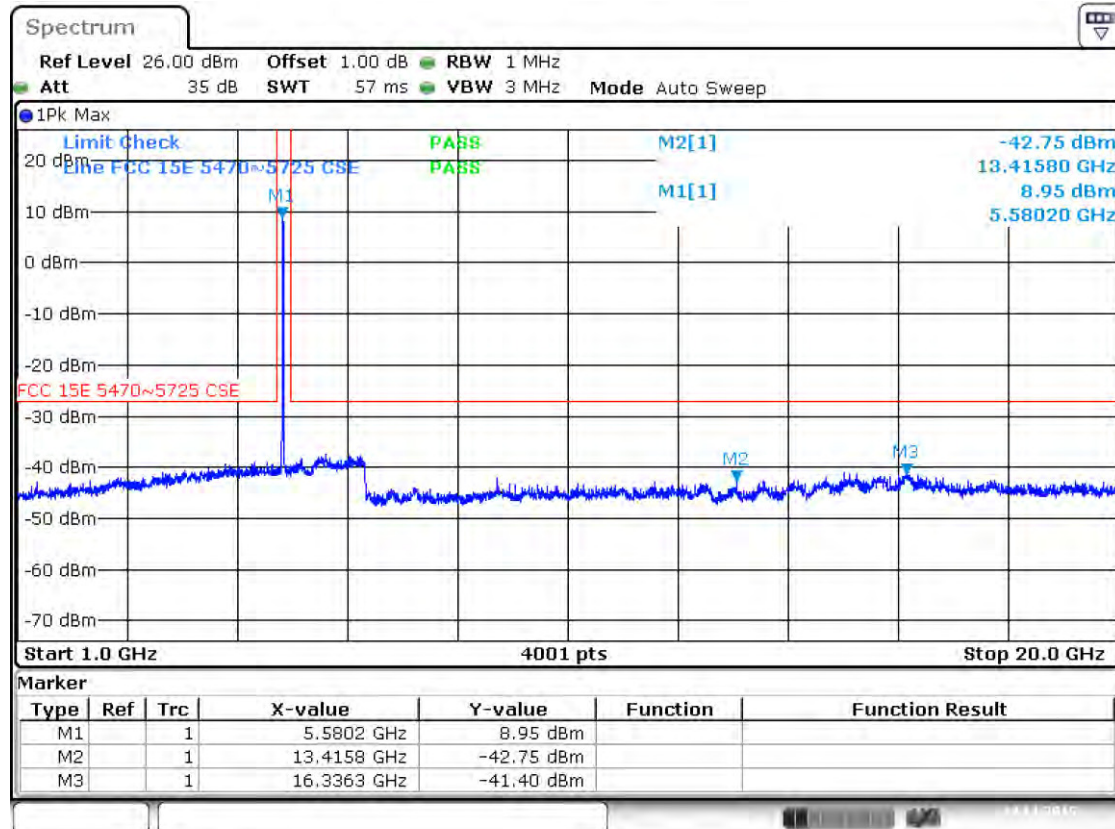
Date: 24.NOV.2015 19:14:50

### Band III 11a CH100 (1 ~ 20 GHz)



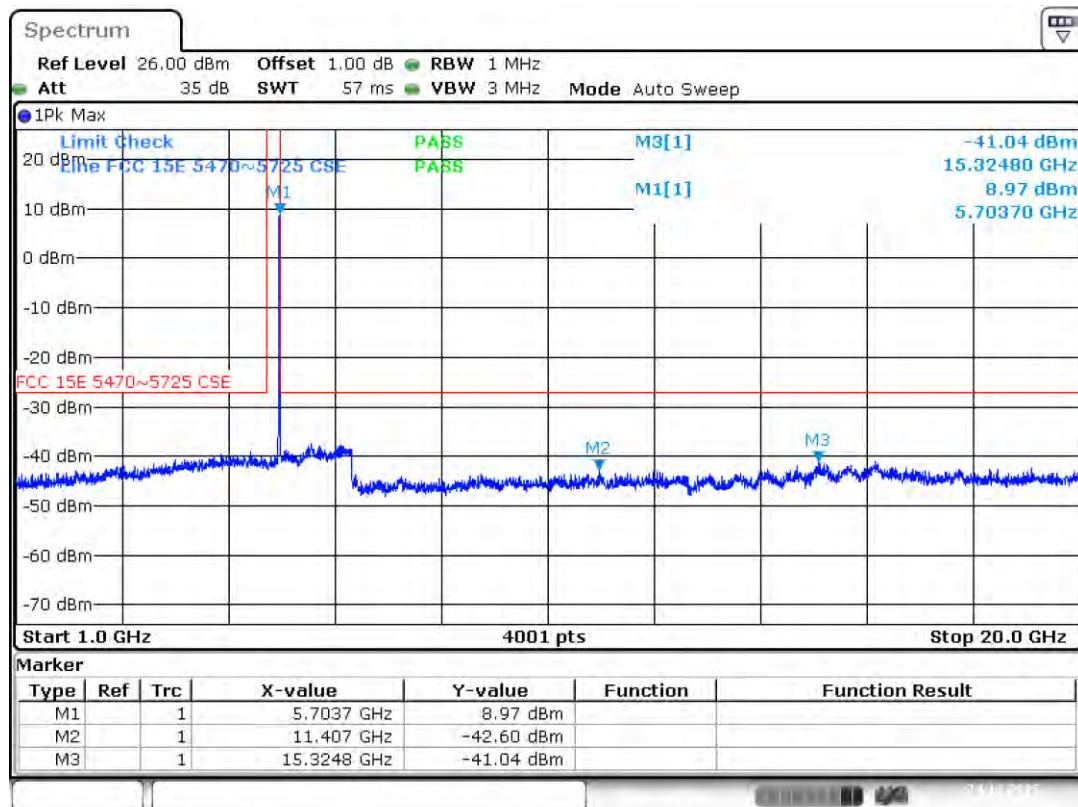
Date: 24.NOV.2015 18:01:51

### Band III 11a CH116 (1 ~ 20 GHz)



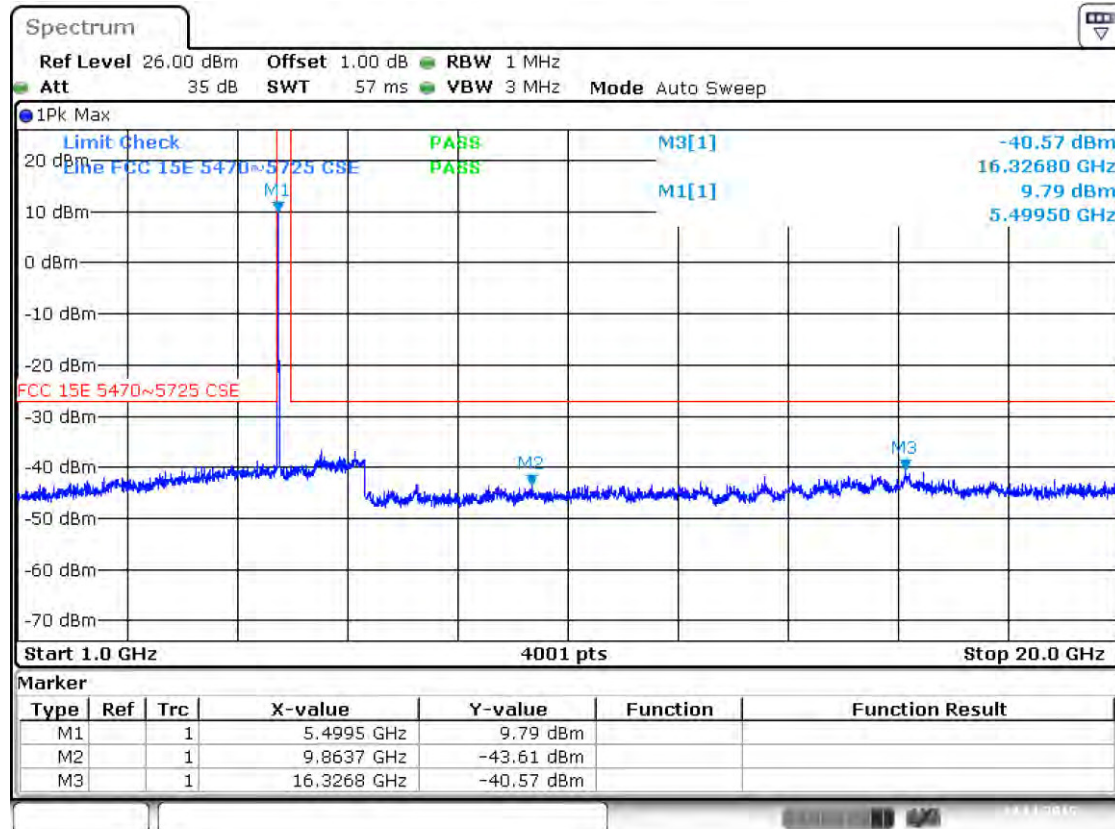
Date: 24.NOV.2015 18:03:39

### Band III 11a CH140 (1 ~ 20 GHz)



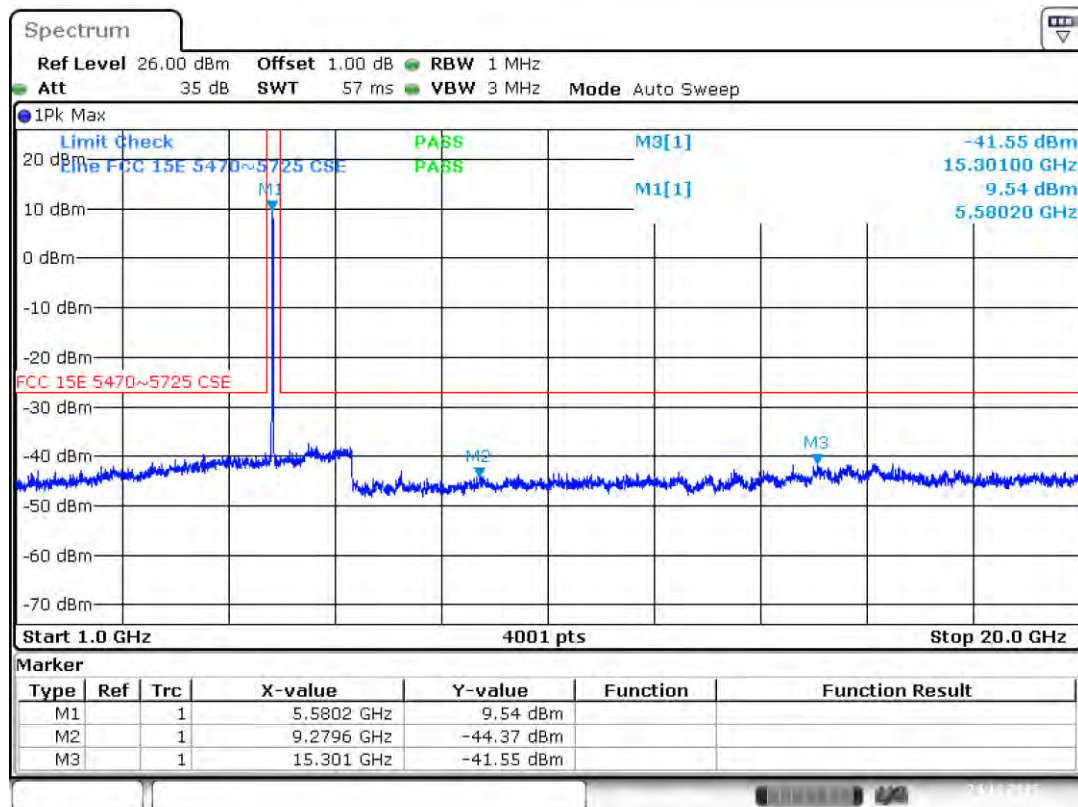
Date: 24.NOV.2015 18:05:25

### Band III 11n(HT20) CH100 (1 ~ 20 GHz)



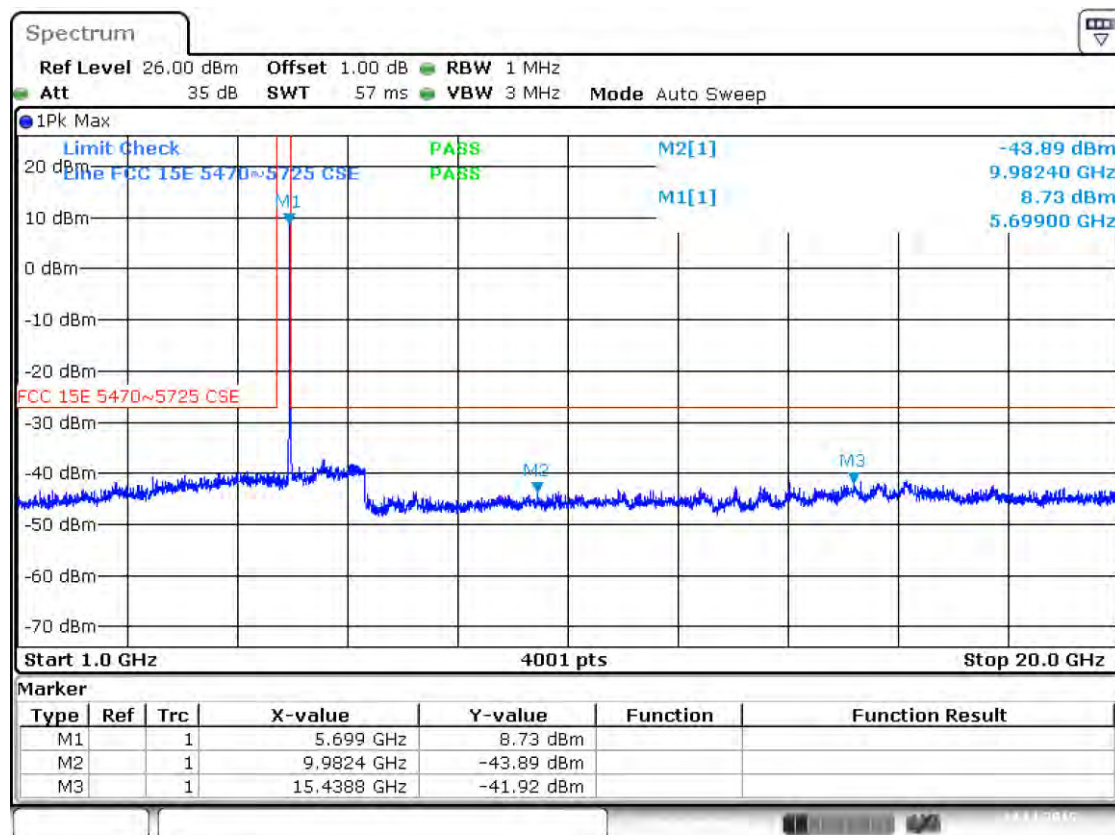
Date: 24.NOV.2015 18:28:43

### Band III 11n(HT20) CH116 (1 ~ 20 GHz)



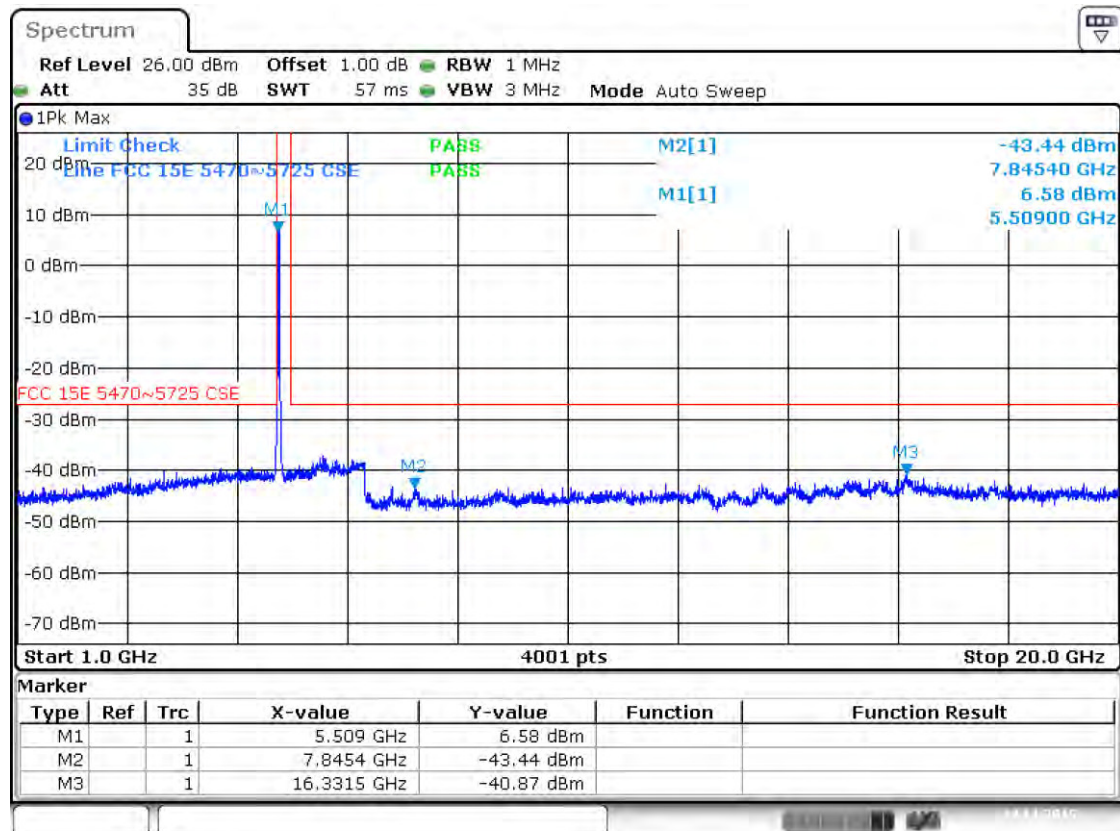
Date: 24.NOV.2015 18:30:05

### Band III 11n(HT20) CH140 (1 ~ 20 GHz)



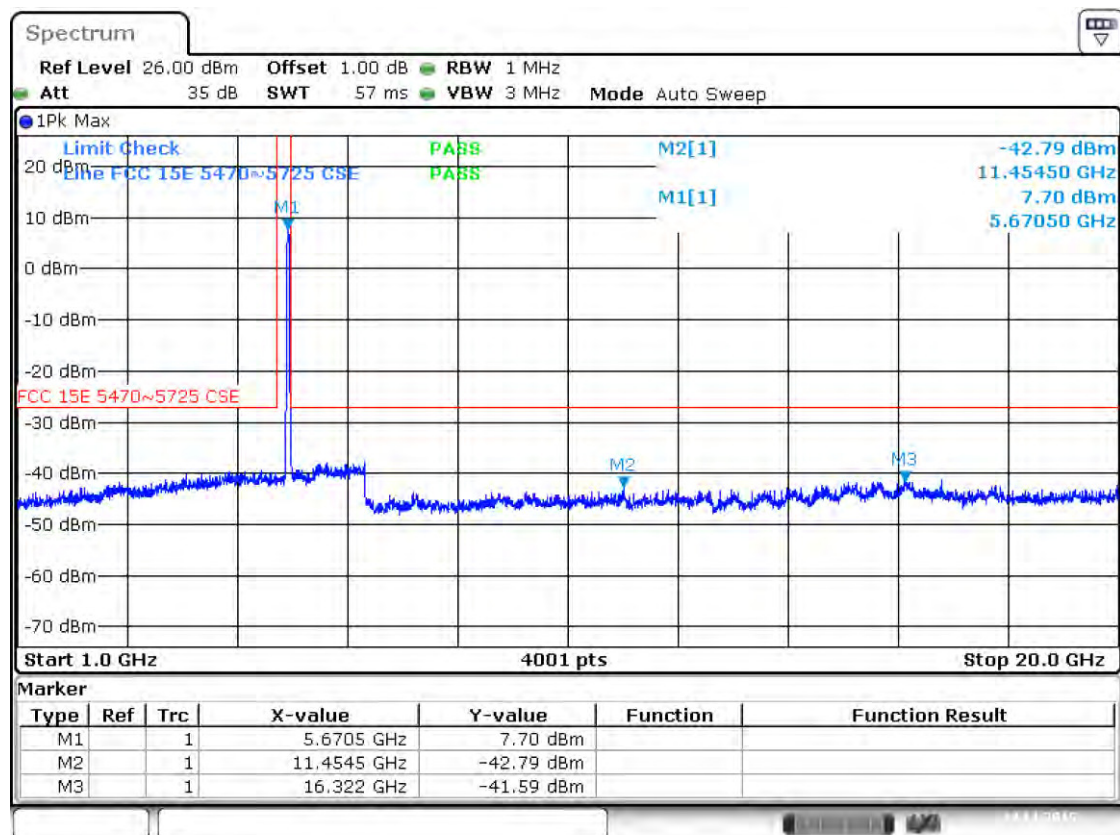
Date: 24.NOV.2015 18:31:29

### Band III 11n(HT40) CH102 (1 ~ 20 GHz)



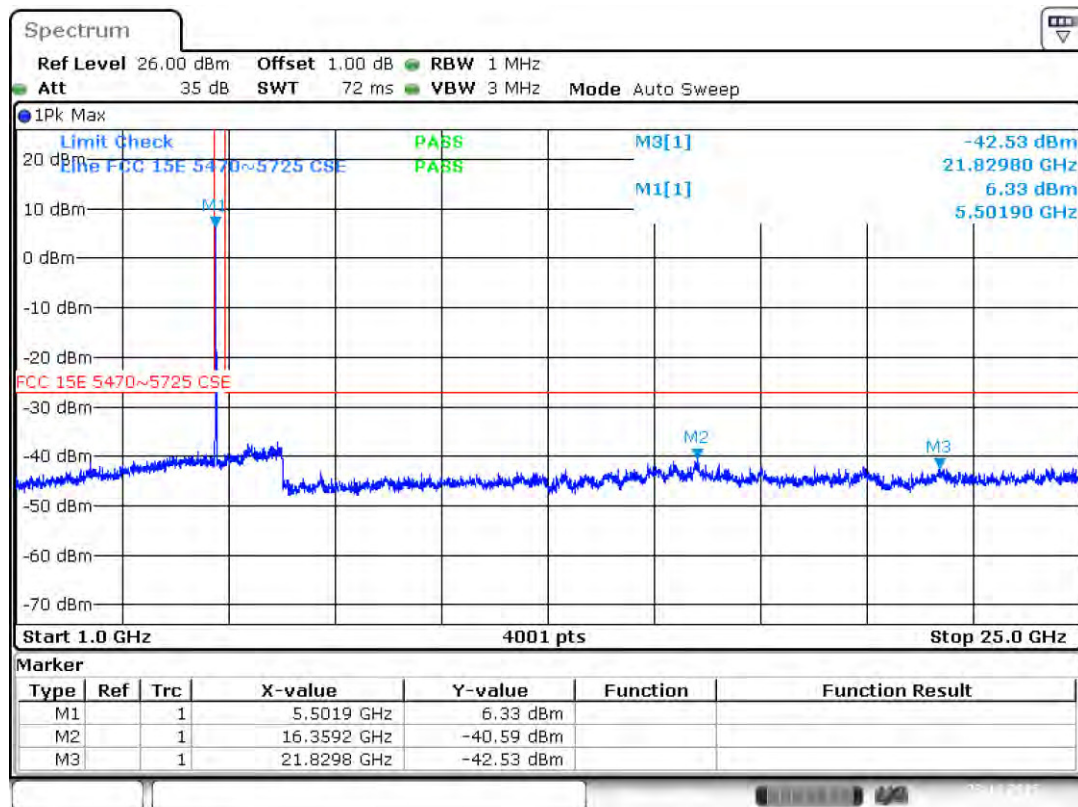
Date: 24.NOV.2015 19:05:35

### Band III 11n(HT40) CH134 (1 ~ 20 GHz)



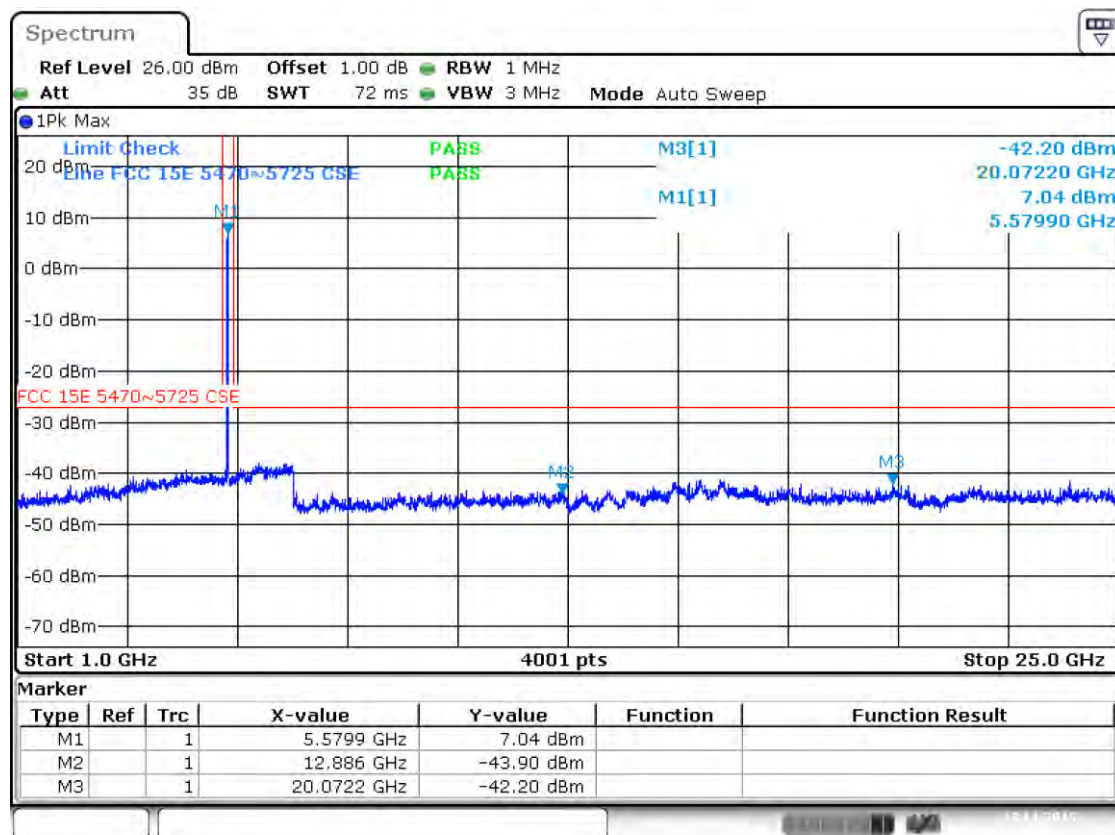
Date: 24.NOV.2015 19:07:12

### Band III 11ac(HT20) CH100 (1 ~ 20 GHz)



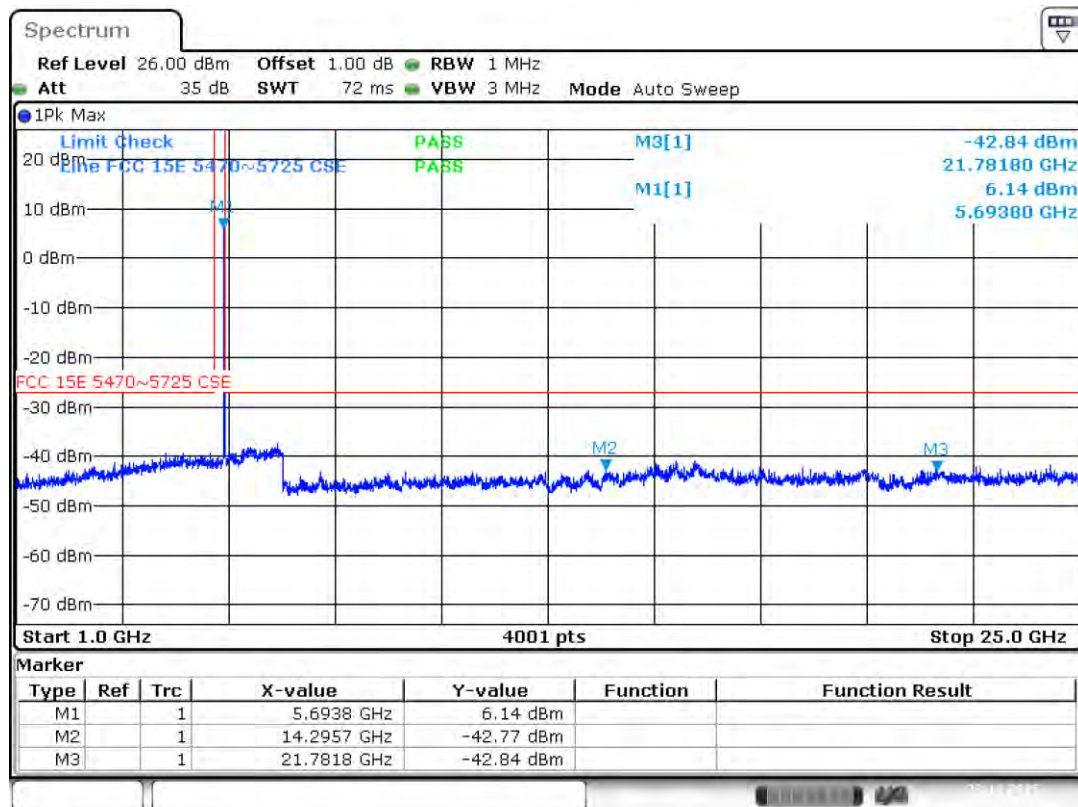
Date: 23.NOV.2015 15:16:04

### Band III 11ac(HT20) CH116 (1 ~ 20 GHz)



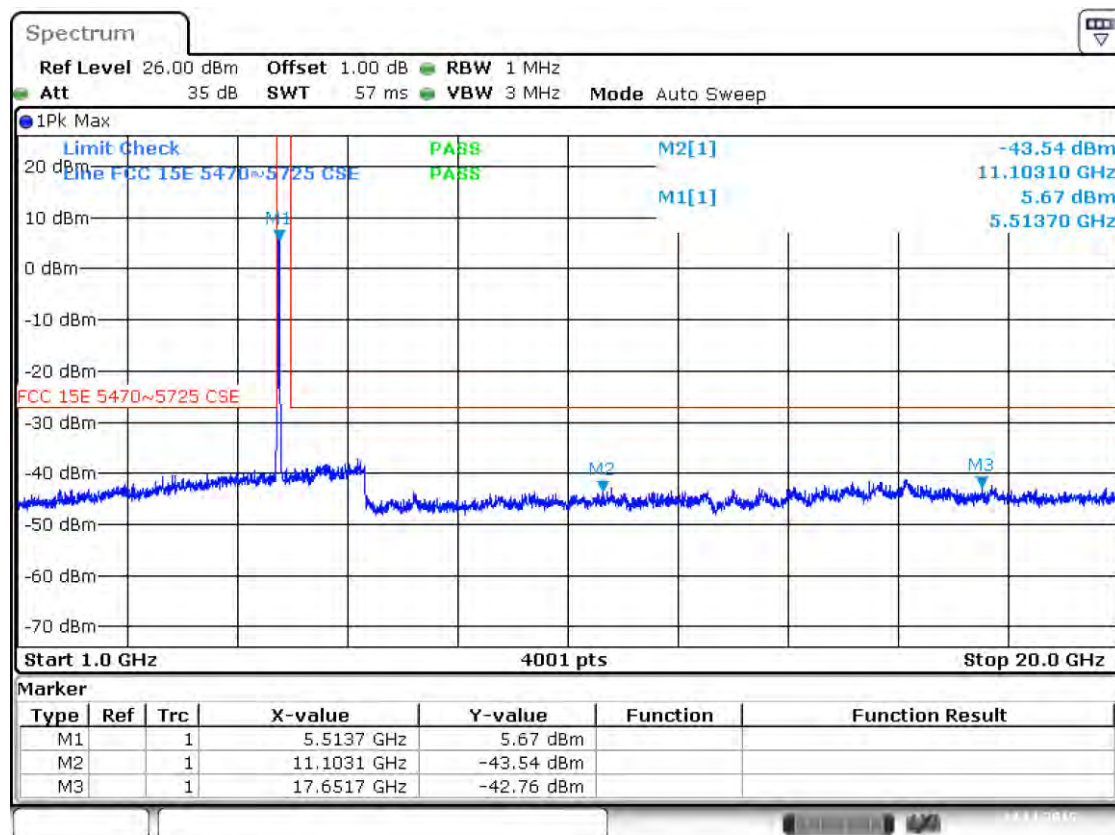
Date: 23.NOV.2015 15:17:34

### Band III 11ac(HT20) CH140 (1 ~ 20 GHz)



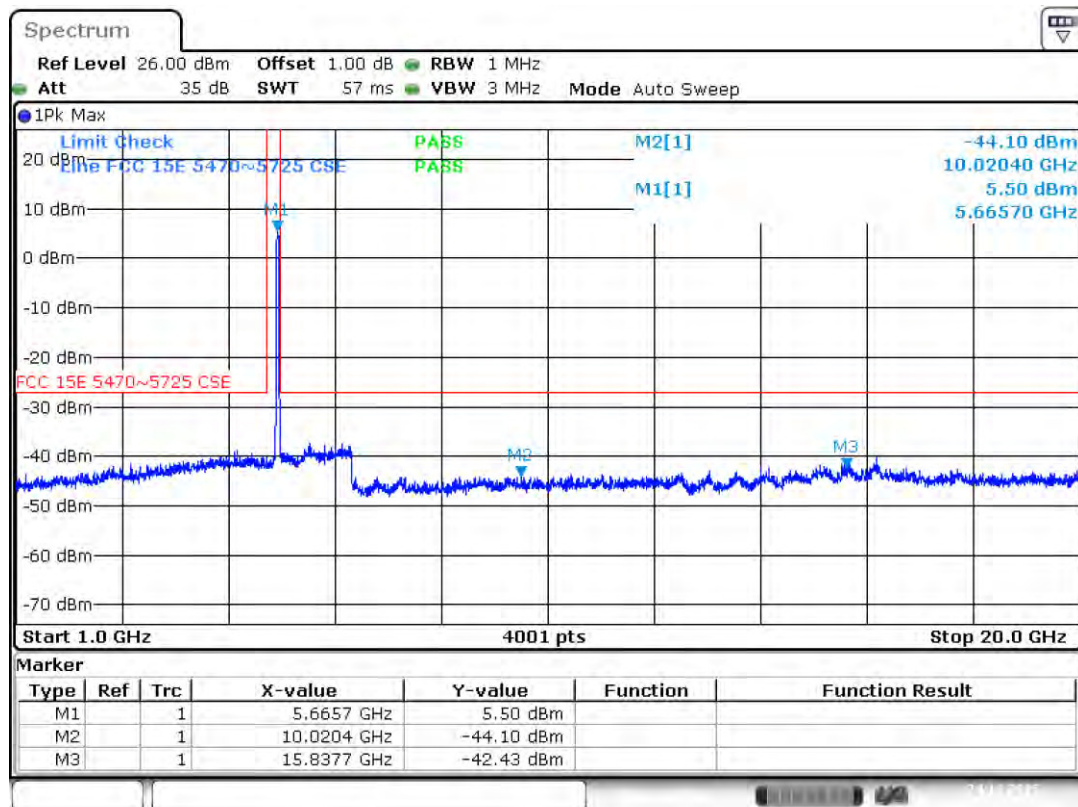
Date: 23.NOV.2015 15:20:18

### Band III 11ac(HT40) CH102 (1 ~ 20 GHz)



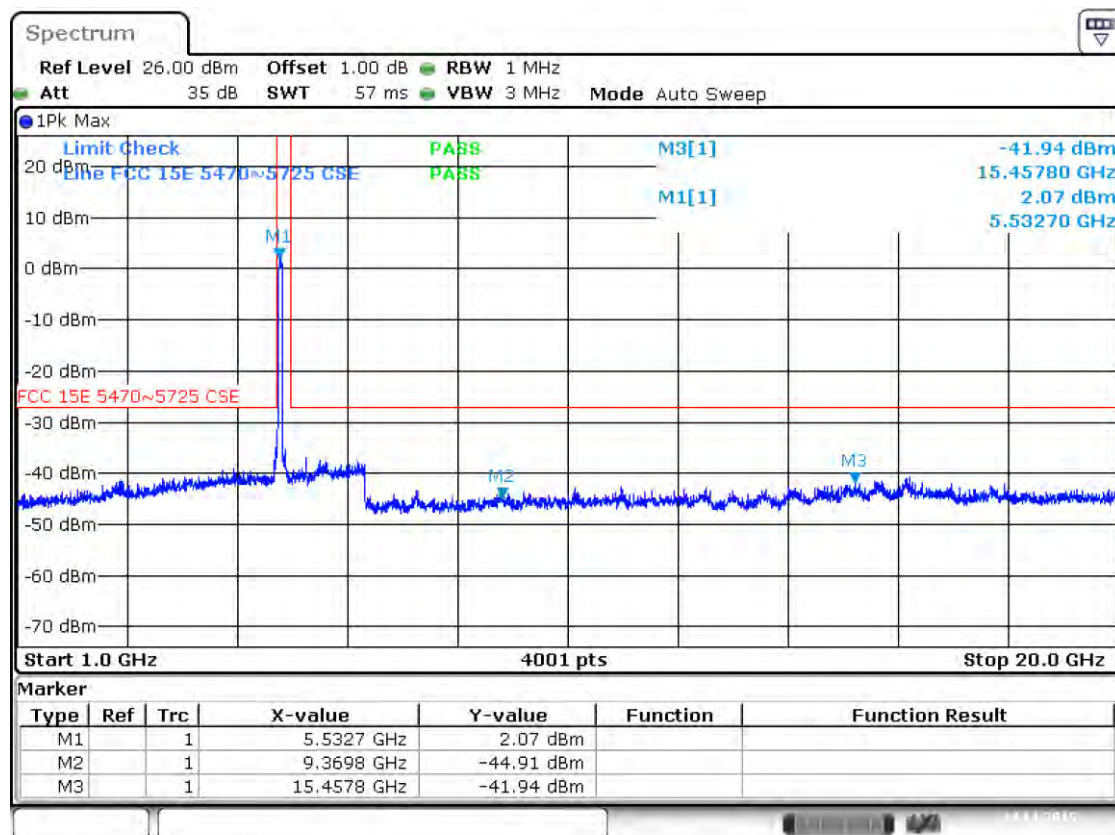
Date: 24.NOV.2015 18:53:04

### Band III 11ac(HT40) CH134 (1 ~ 20 GHz)



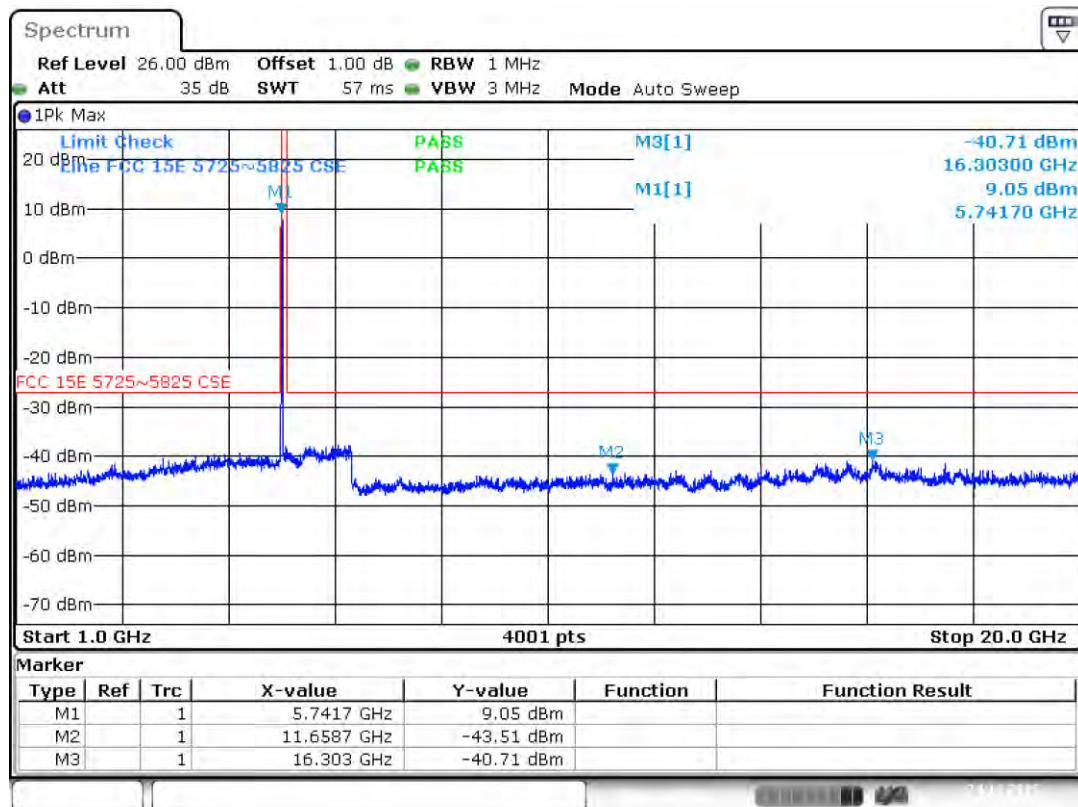
Date: 24.NOV.2015 18:54:27

### Band III 11ac(HT80) CH106 (1 ~ 20 GHz)



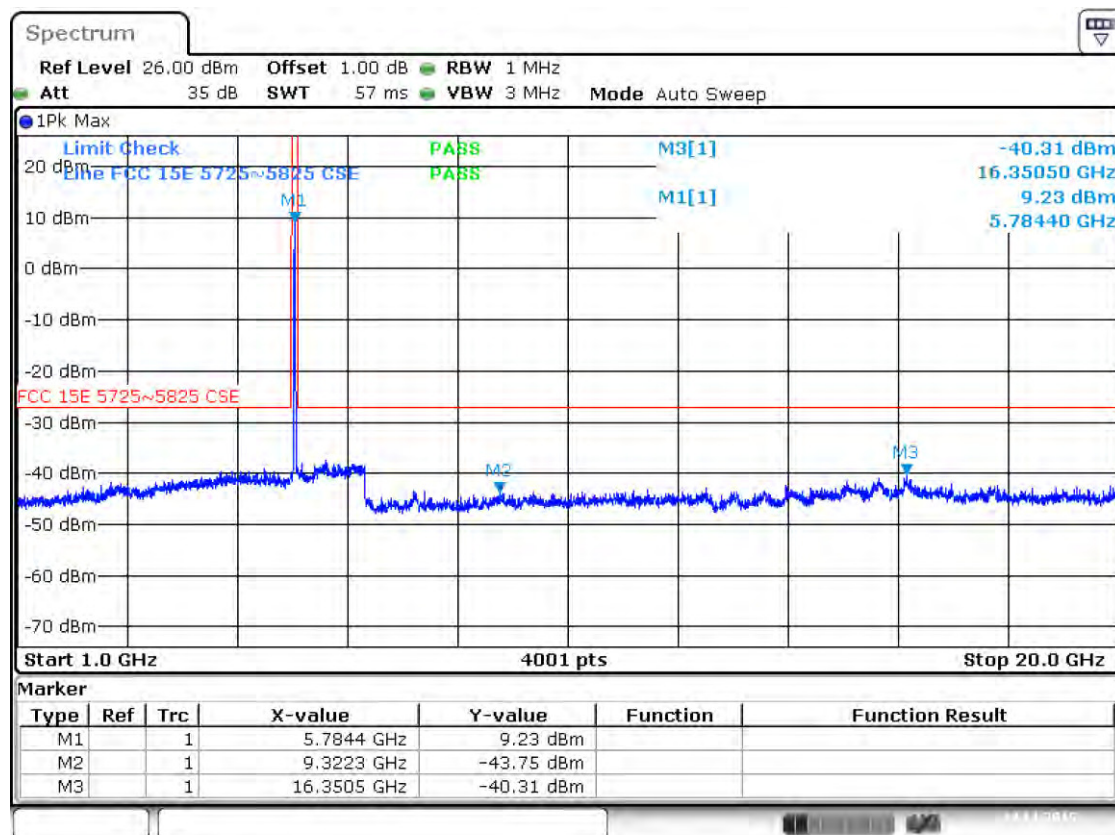
Date: 24.NOV.2015 19:16:42

### Band IV 11a CH149 (1 ~ 20 GHz)



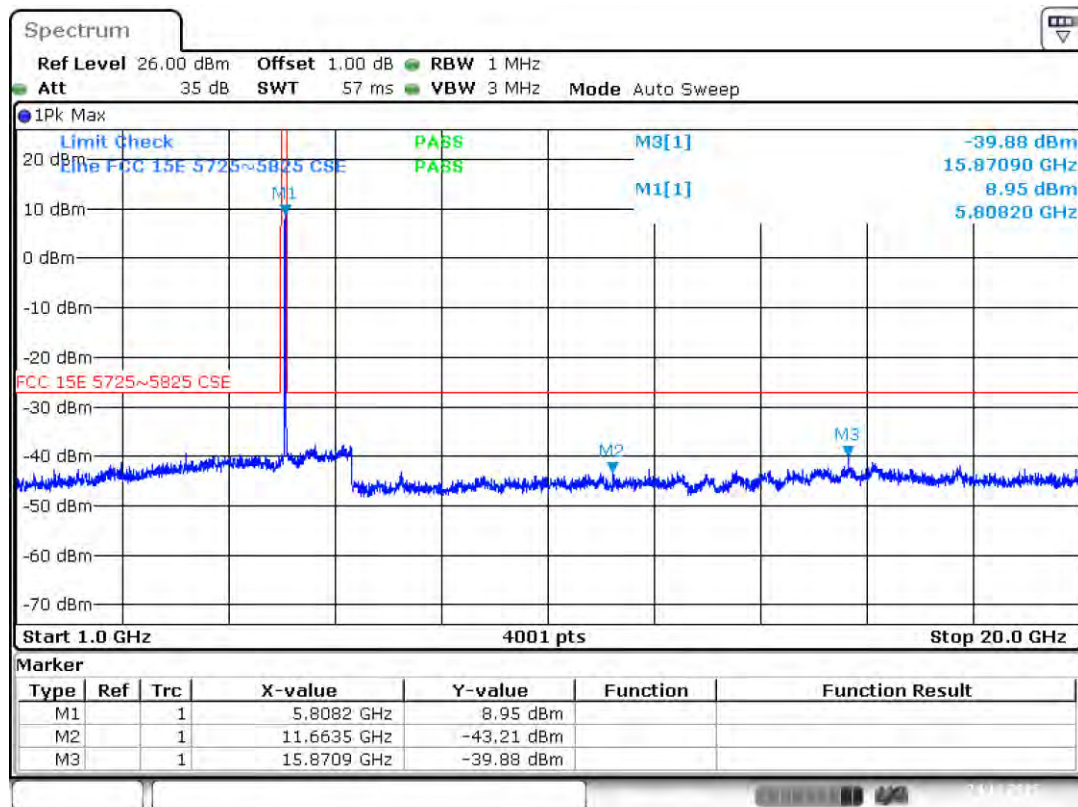
Date: 24.NOV.2015 18:07:51

### Band IV 11a CH157 (1 ~ 20 GHz)



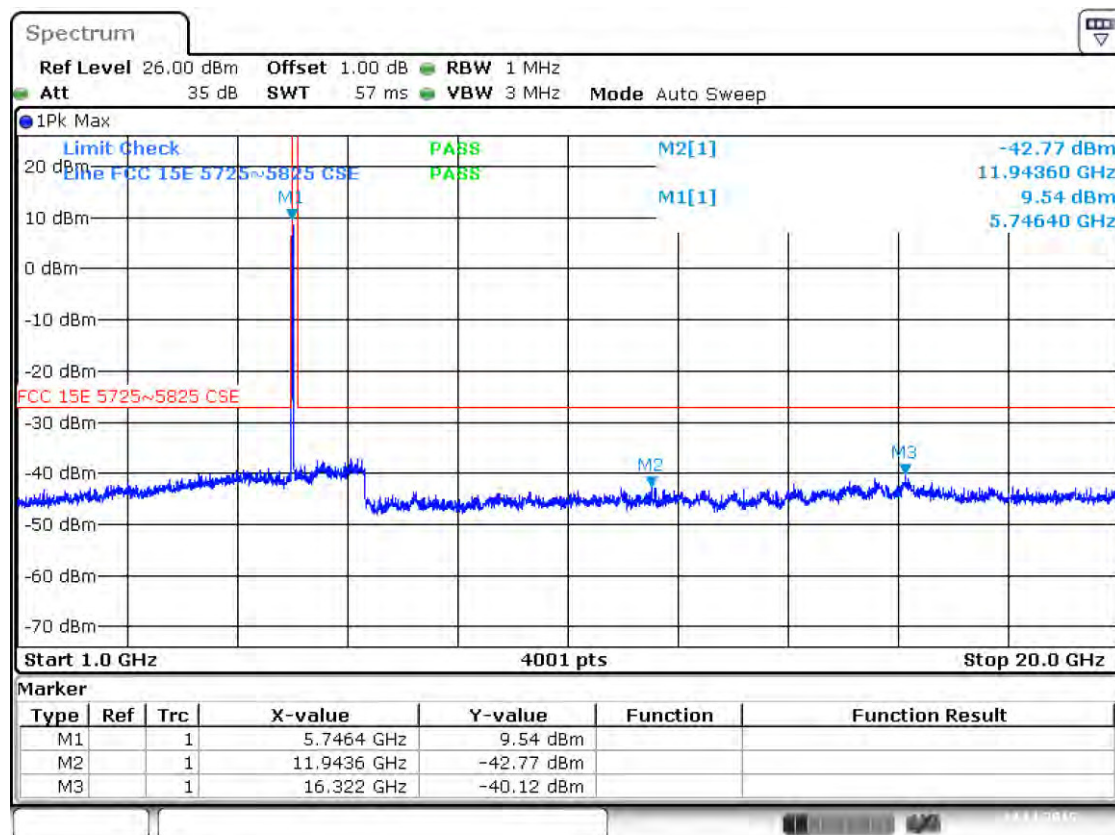
Date: 24.NOV.2015 18:09:42

### Band IV 11a CH161 (1 ~ 20 GHz)



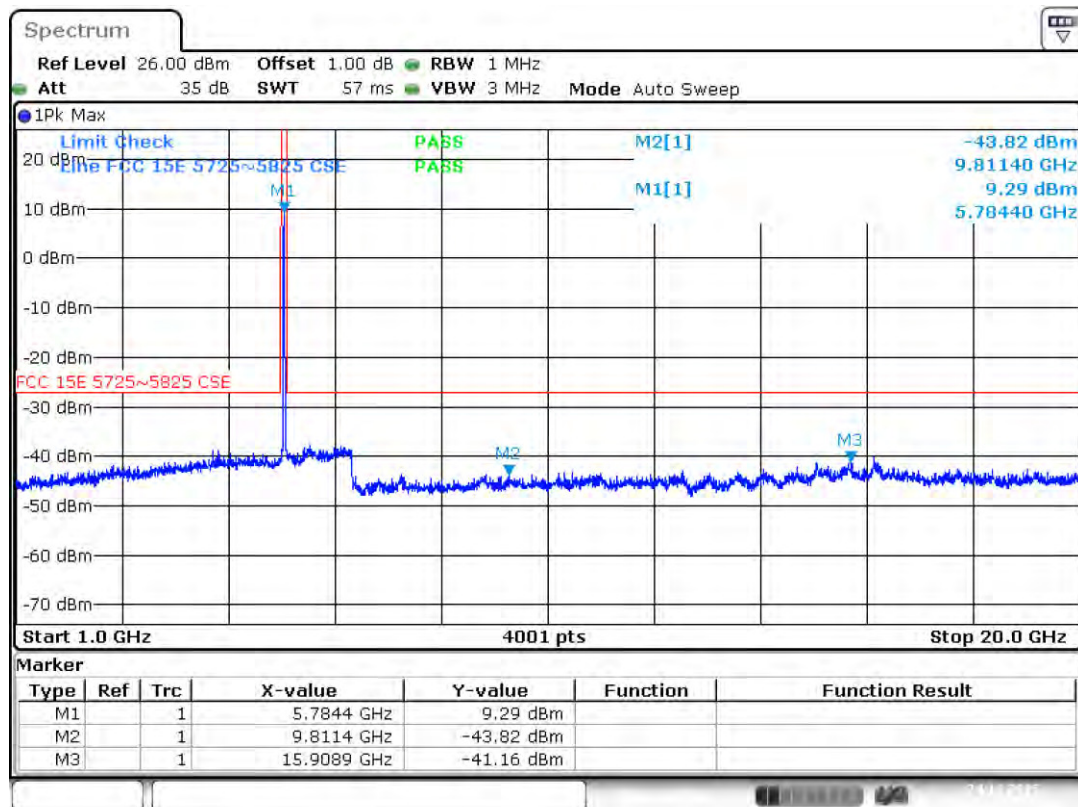
Date: 24.NOV.2015 18:11:07

### Band IV 11n(HT20) CH149 (1 ~ 20 GHz)



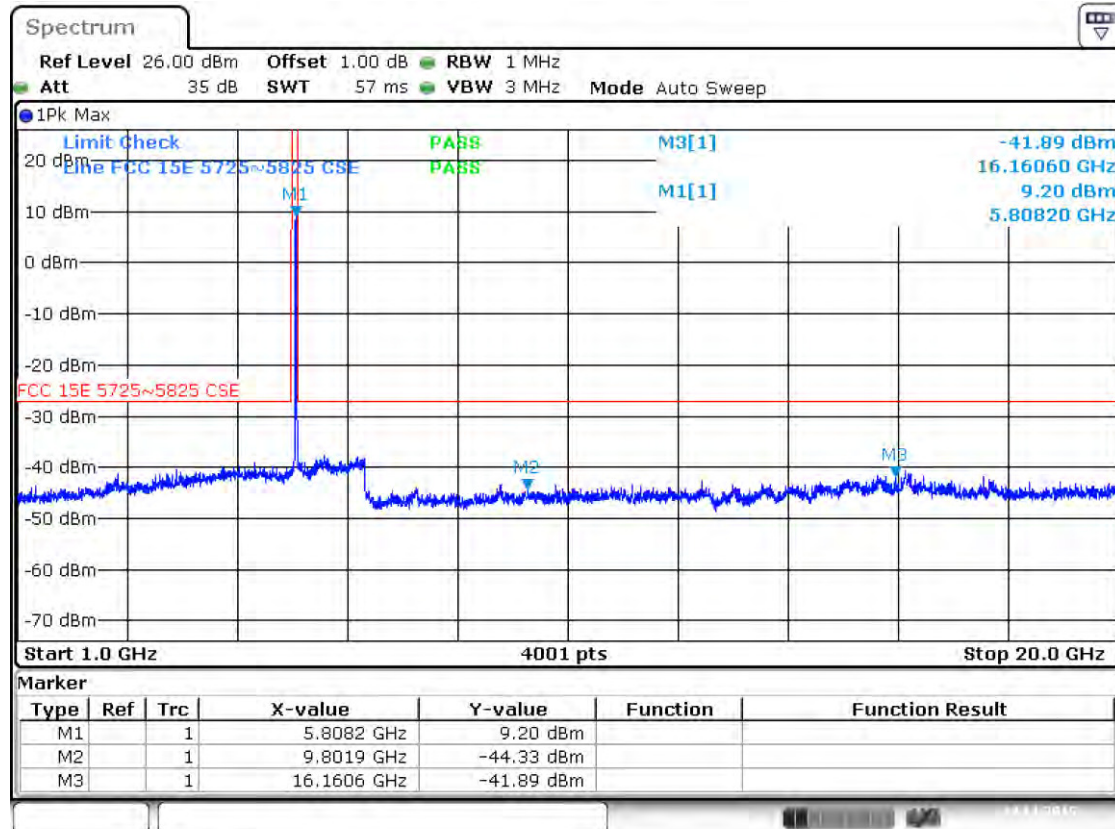
Date: 24.NOV.2015 18:33:45

### Band IV 11n(HT20) CH157 (1 ~ 20 GHz)



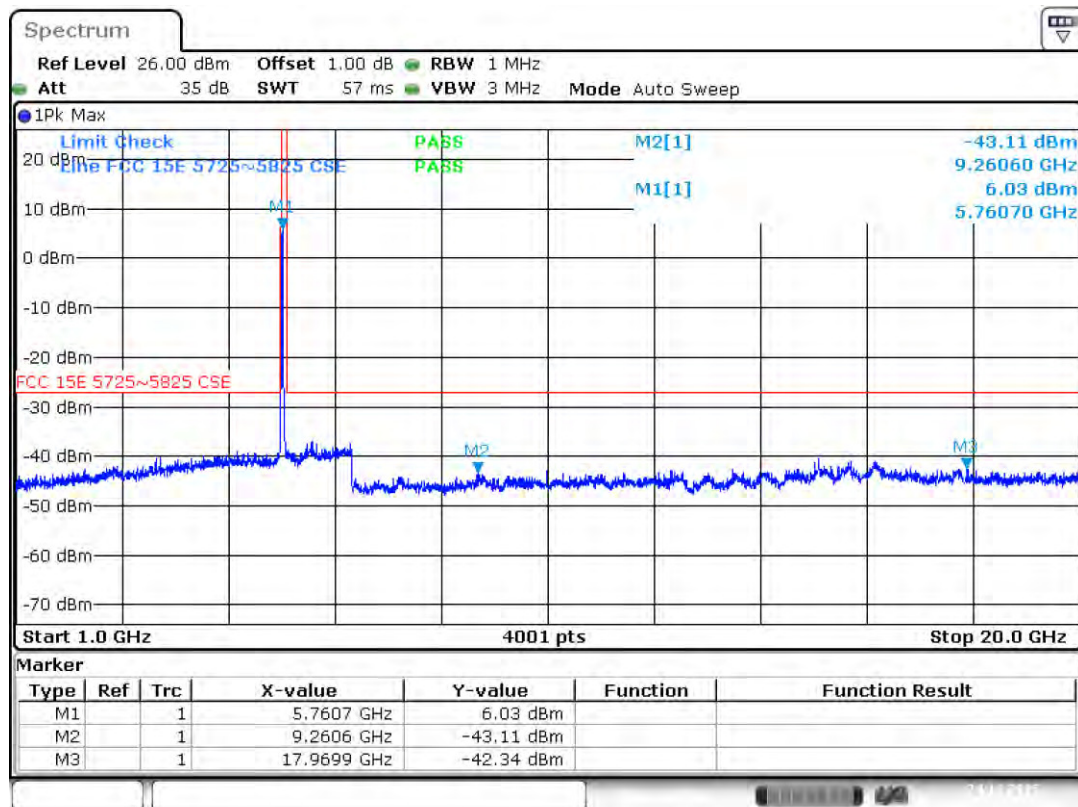
Date: 24.NOV.2015 18:35:16

### Band IV 11n(HT20) CH161 (1 ~ 20 GHz)



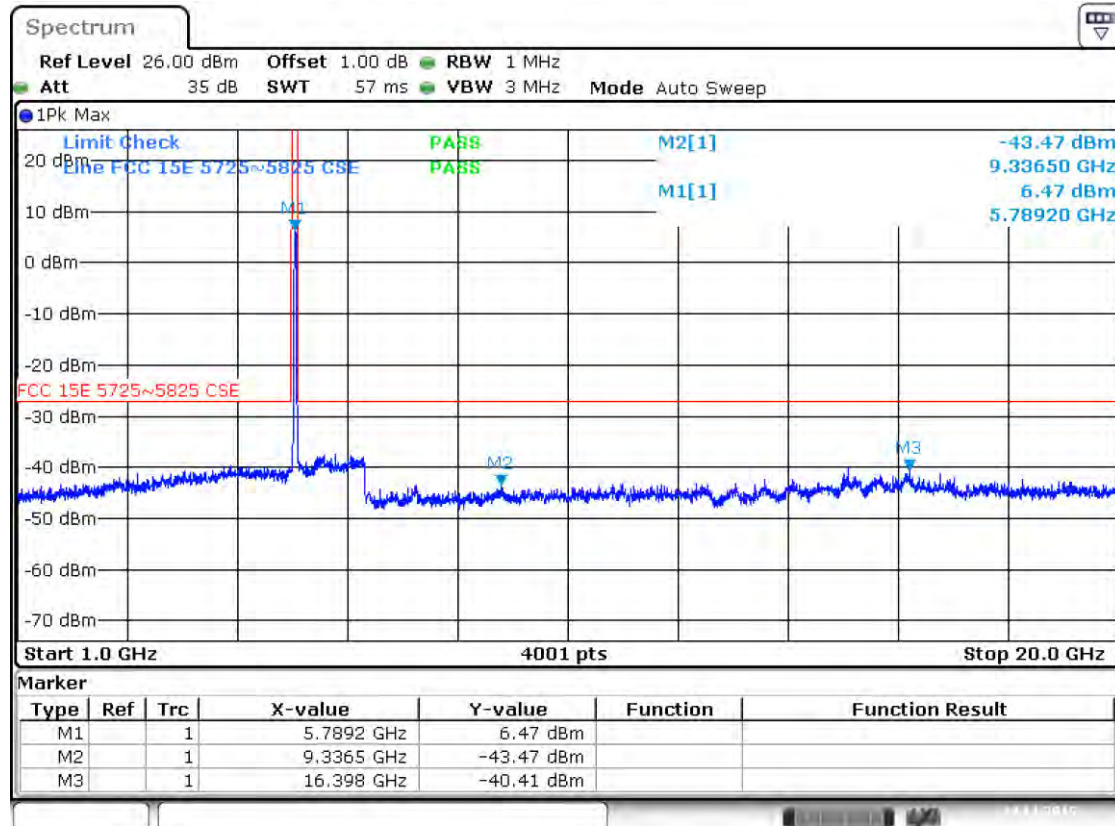
Date: 24.NOV.2015 18:36:39

### Band IV 11n(HT40) CH151 (1 ~ 20 GHz)



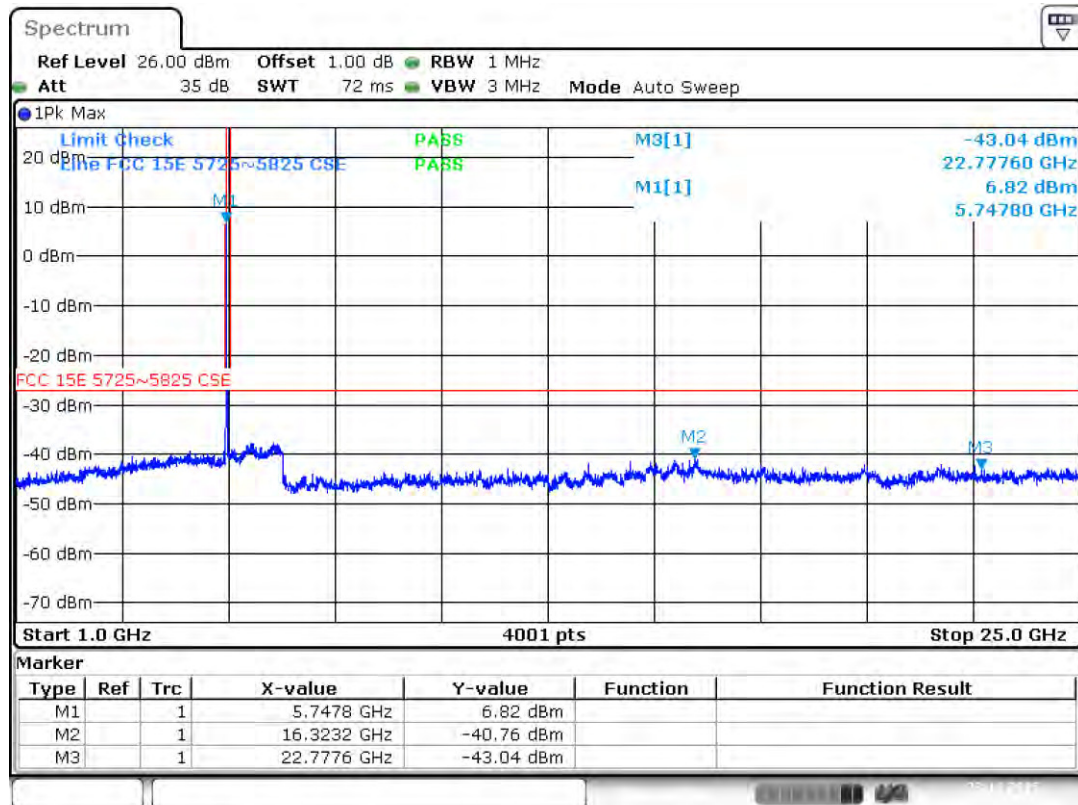
Date: 24.NOV.2015 19:08:55

### Band IV 11n(HT40) CH159 (1 ~ 20 GHz)



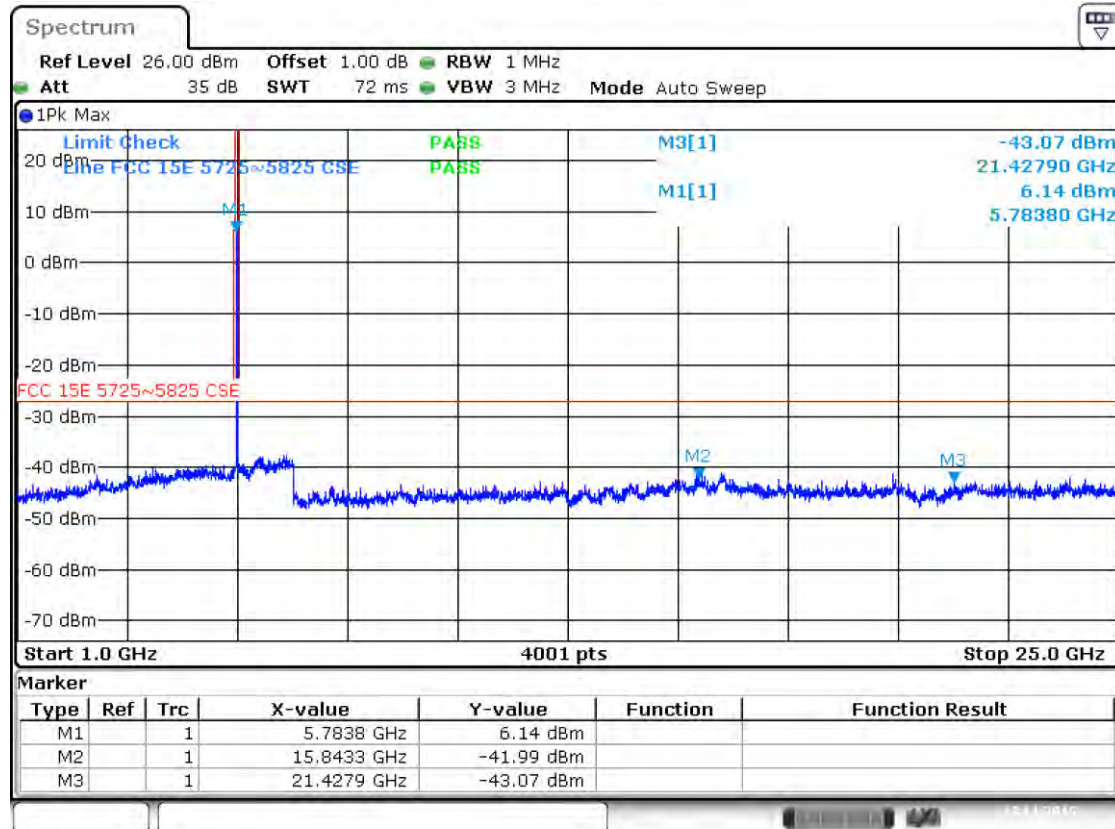
Date: 24.NOV.2015 19:10:21

### Band IV 11ac(HT20) CH149 (1 ~ 20 GHz)



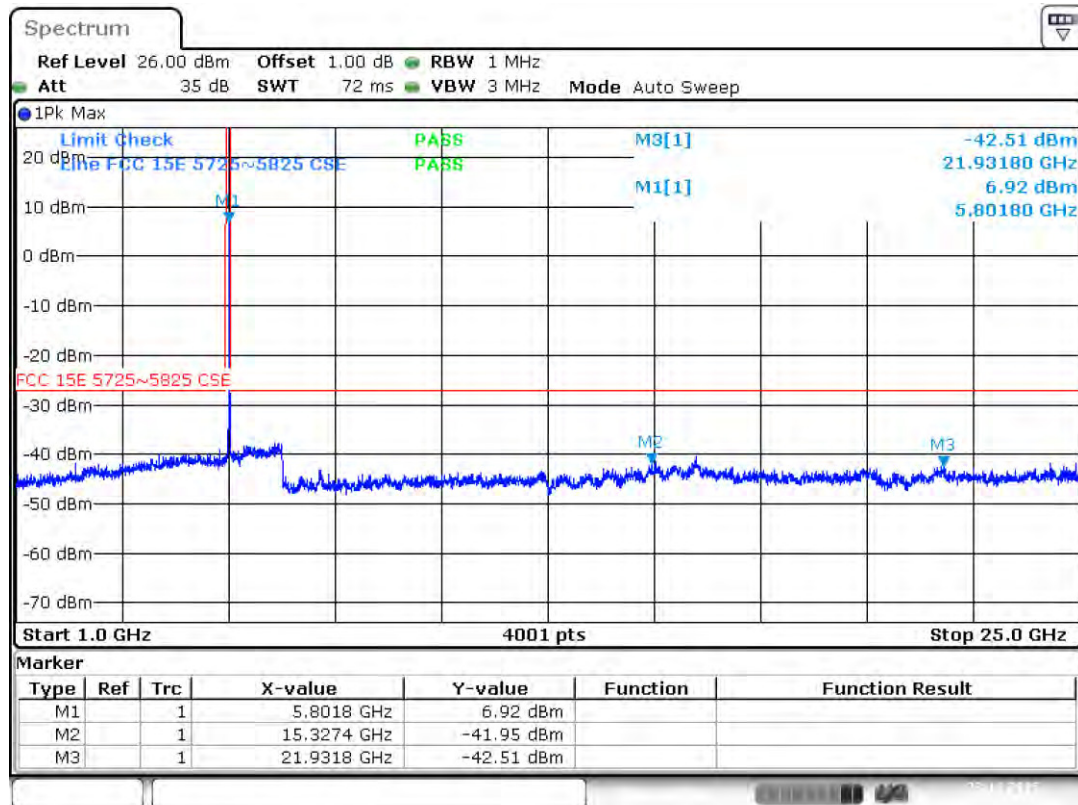
Date: 23.NOV.2015 15:24:02

### Band IV 11ac(HT20) CH157 (1 ~ 20 GHz)



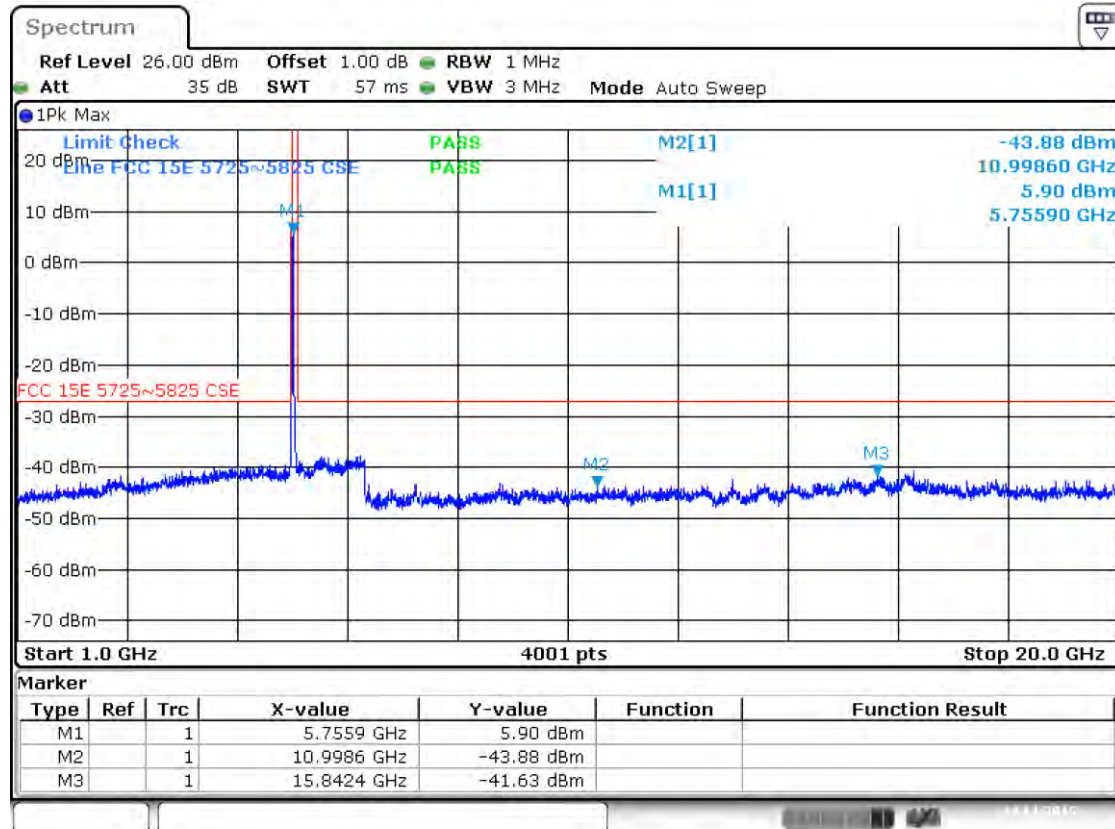
Date: 23.NOV.2015 15:25:34

### Band IV 11ac(HT20) CH161 (1 ~ 20 GHz)



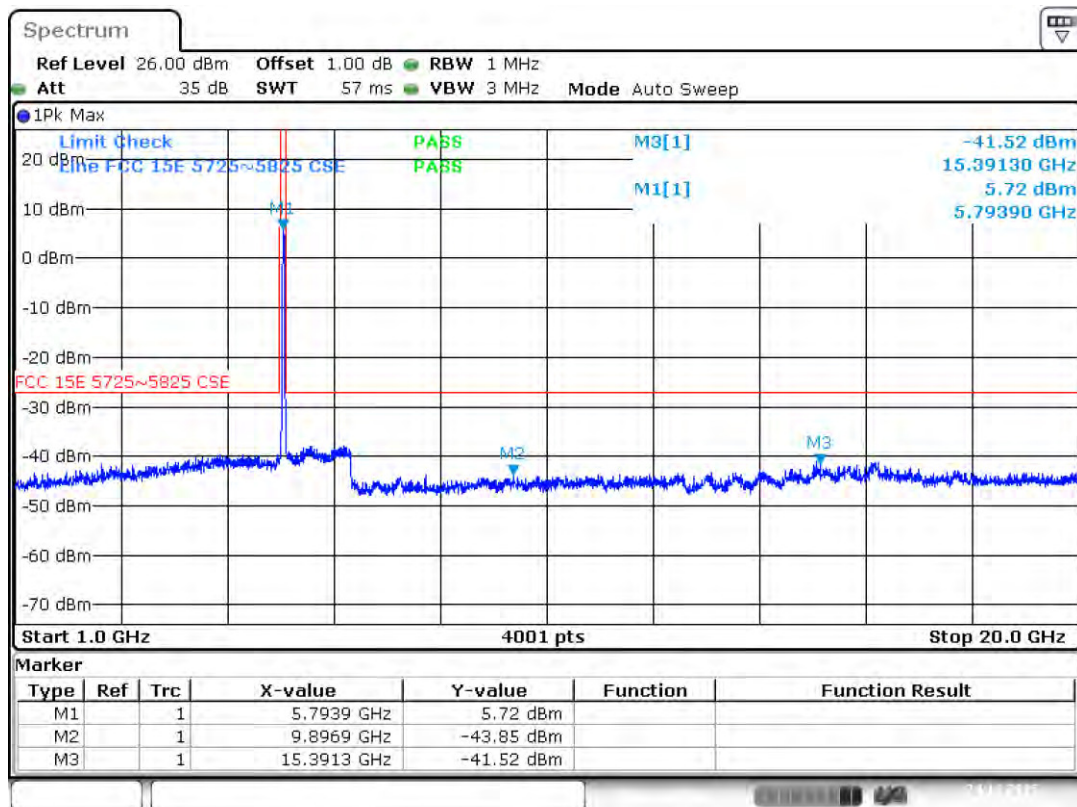
Date: 23.NOV.2015 15:27:02

### Band IV 11ac(HT40) CH151 (1 ~ 20 GHz)



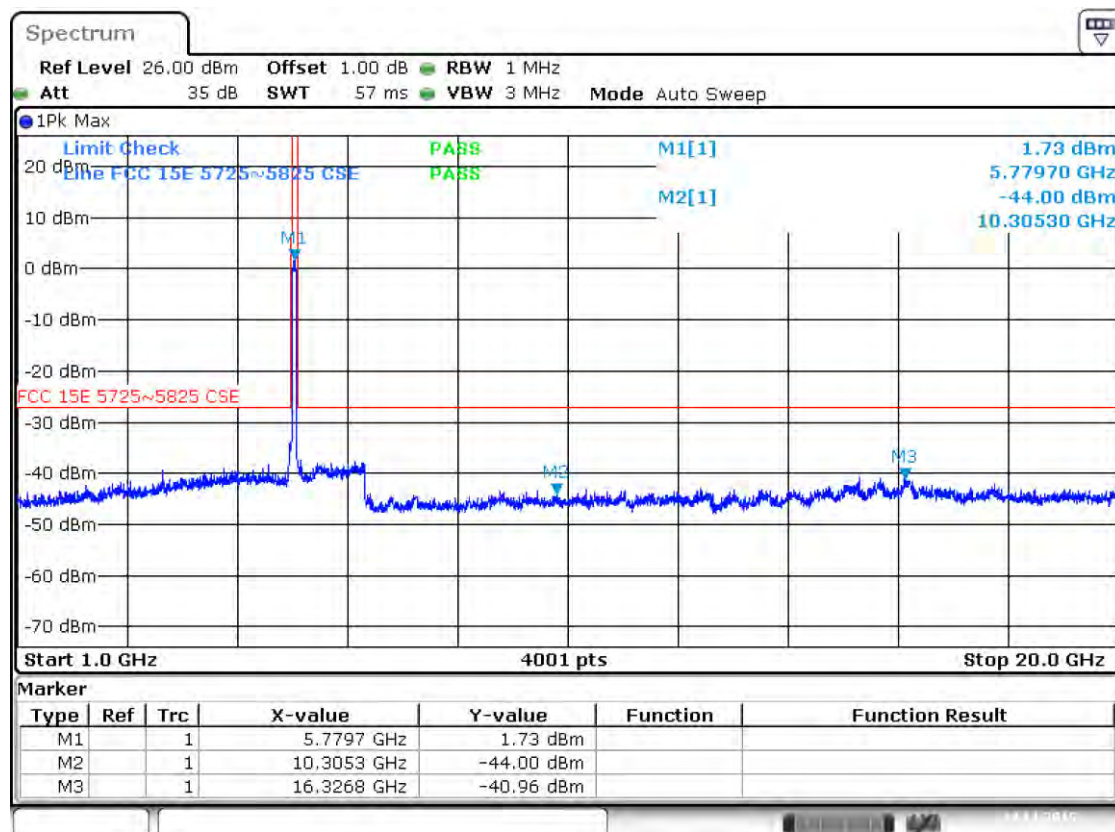
Date: 24.NOV.2015 18:55:53

### Band IV 11ac(HT40) CH159 (1 ~ 20 GHz)



Date: 24.NOV.2015 18:57:23

#### Band IV 11ac(HT80) CH155 (1 ~ 20 GHz)



Date: 24.NOV.2015 19:18:39

## A.7 Radiated Spurious Emissions and Band Edge (Restricted-band)

### Antenna-port Conducted test data

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB $\mu$ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

EIRP= Measure Conducted output power Value (dBm) + Maximum transmit antenna gain (dBi) + The appropriate maximum ground reflection factor(dB)

Note: For Multiple transmitter output, the quantity  $10 \log(N_{ANT})$  dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding  $10 \log(N_{ANT})$  if the measurements are made relative to the in-band emissions on the individual outputs.

### The worst data (Test frequency: below 1 GHz) (ANT 0 Band I 11a CH36)

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

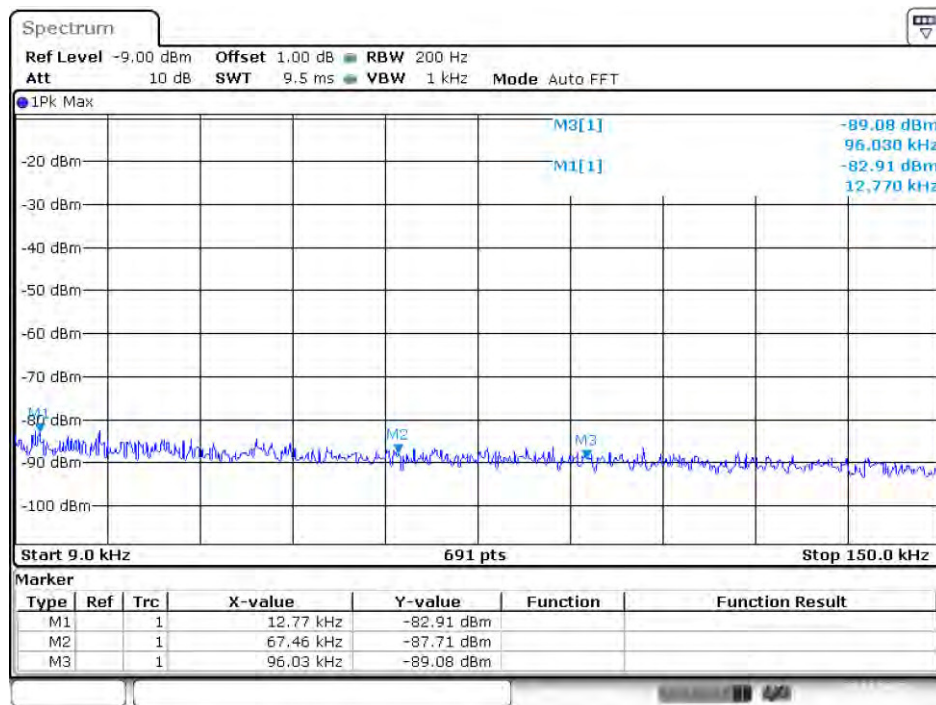
Note 4: The harmonic (2th, 3th, 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

#### Band I 11a CH36

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------------|----------------------|-------------|--------|---------|
| 0.01277         | -82.91      | 6                             | 3     | 6.3            | QP       | 24.65            | 90.93                | 66.28       | Note 2 | PASS    |
| 0.733           | -73.32      | 6                             | 3     | 6.3            | QP       | 34.24            | 90.93                | 56.69       | Note 2 | PASS    |
| 565.5           | -64.8       | 4.7                           | 3     | 6.3            | QP       | 41.46            | 90.93                | 49.47       | Note 2 | PASS    |
| 721.4           | -66.06      | 4.7                           | 3     | 6.3            | QP       | 40.20            | 90.93                | 50.73       | Note 2 | PASS    |

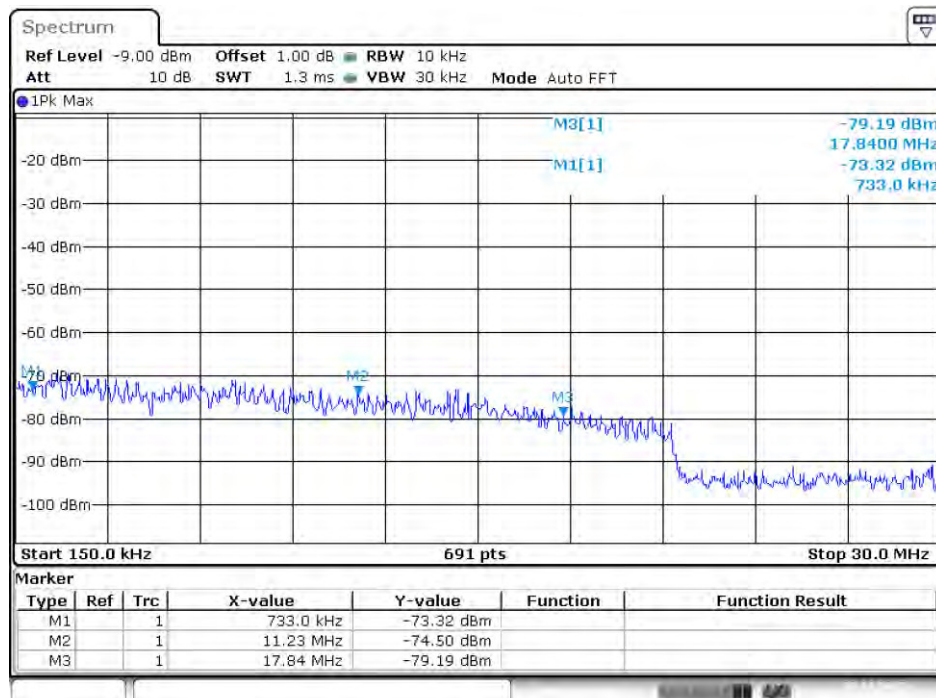
## Test Plots

## SPURIOUS 9 kHz ~ 150 kHz



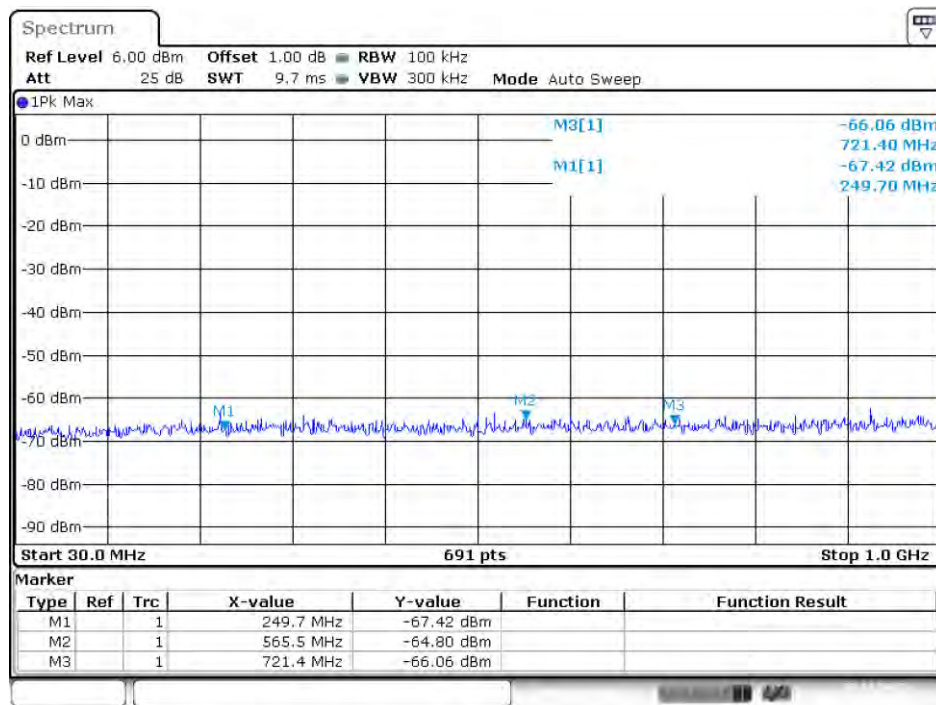
Date: 28.NOV.2015 16:51:46

## SPURIOUS 150 kHz ~ 30 MHz



Date: 28.NOV.2015 16:53:18

## SPURIOUS 30 MHz ~ 1 GHz



Date: 28 NOV. 2015 16:55:36

## Test Data (Test frequency: 1 - 25 GHz)

### ANT 0

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

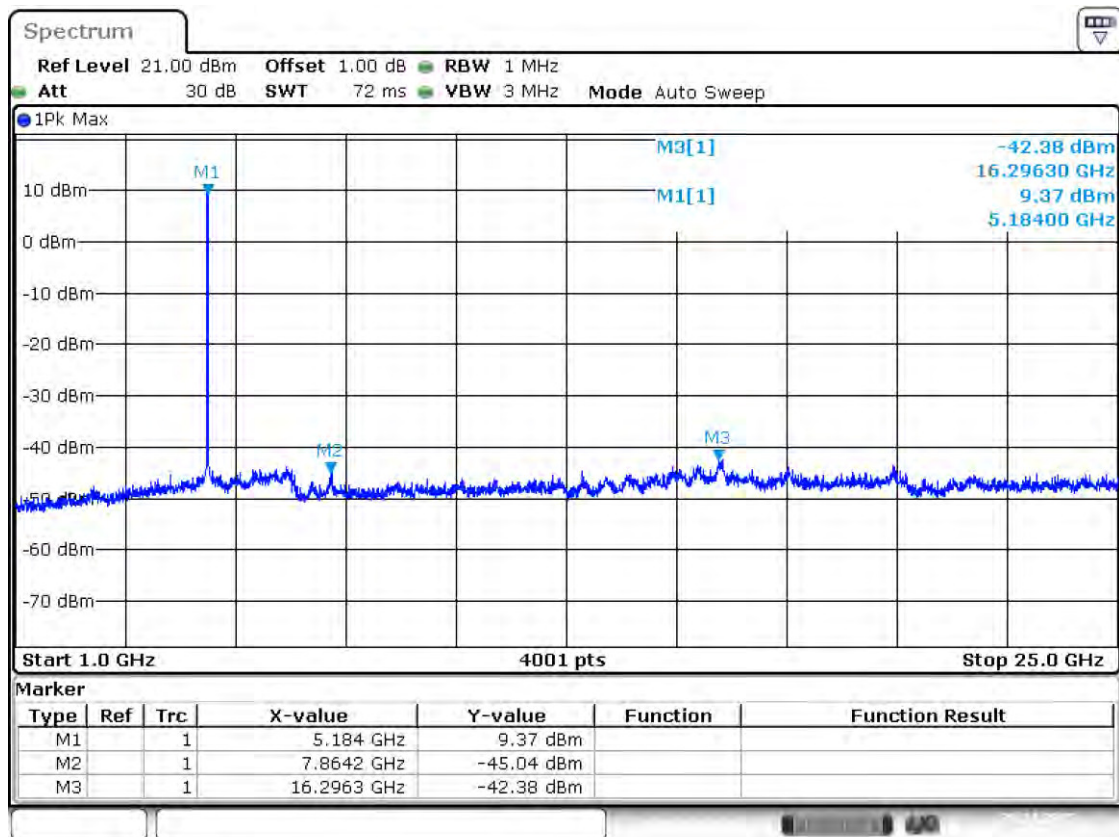
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

### Band I 11a CH36

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7864.2          | -45.04      | 0                             | 3     | 6.3            | PK       | 56.52      | 90.93          | 34.41       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 70.93          | N/A         | Note 3 | PASS    |
| 16296.3         | -42.38      | 0                             | 3     | 6.3            | PK       | 59.18      | 90.93          | 31.75       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 70.93          | N/A         | Note 3 | PASS    |
| 5184            | 9.37        | 0                             | 3     | 6.3            | PK       | 110.93     | N/A            | N/A         | Note 1 | N/A     |
|                 | -15.48      |                               | 3     | 6.3            | AV       | 86.08      | N/A            | N/A         |        | N/A     |

## Test Plots

### Band I 11a CH36, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 10:37:21

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

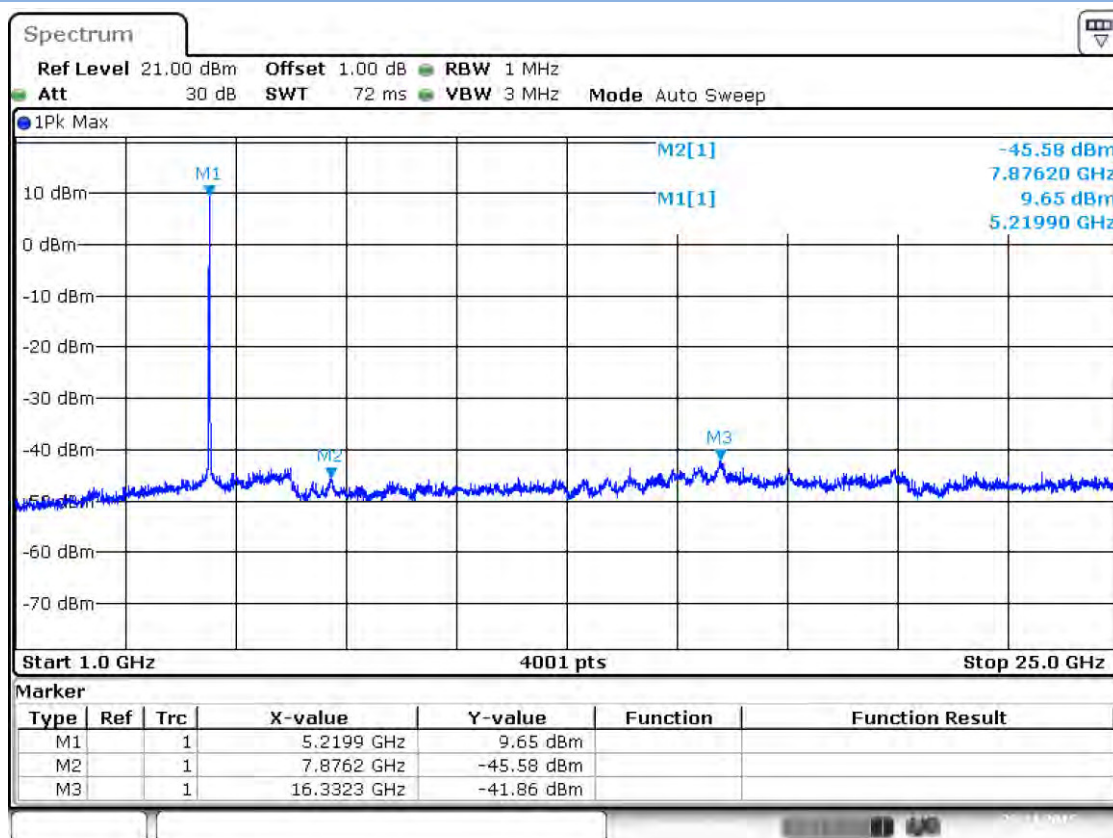
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11a CH44

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7876.2          | -45.58      | 0                             | 3     | 6.3            | PK       | 55.98      | 91.21          | 35.23       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 71.21          | N/A         | Note 3 | PASS    |
| 16332.3         | -41.86      | 0                             | 3     | 6.3            | PK       | 59.70      | 91.21          | 31.51       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 71.21          | N/A         | Note 3 | PASS    |
| 5219.9          | 9.65        | 0                             | 3     | 6.3            | PK       | 111.21     | N/A            | N/A         | Note 1 | N/A     |
|                 | -15.20      |                               | 3     | 6.3            | AV       | 86.36      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band I 11a CH44, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 10:39:22

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

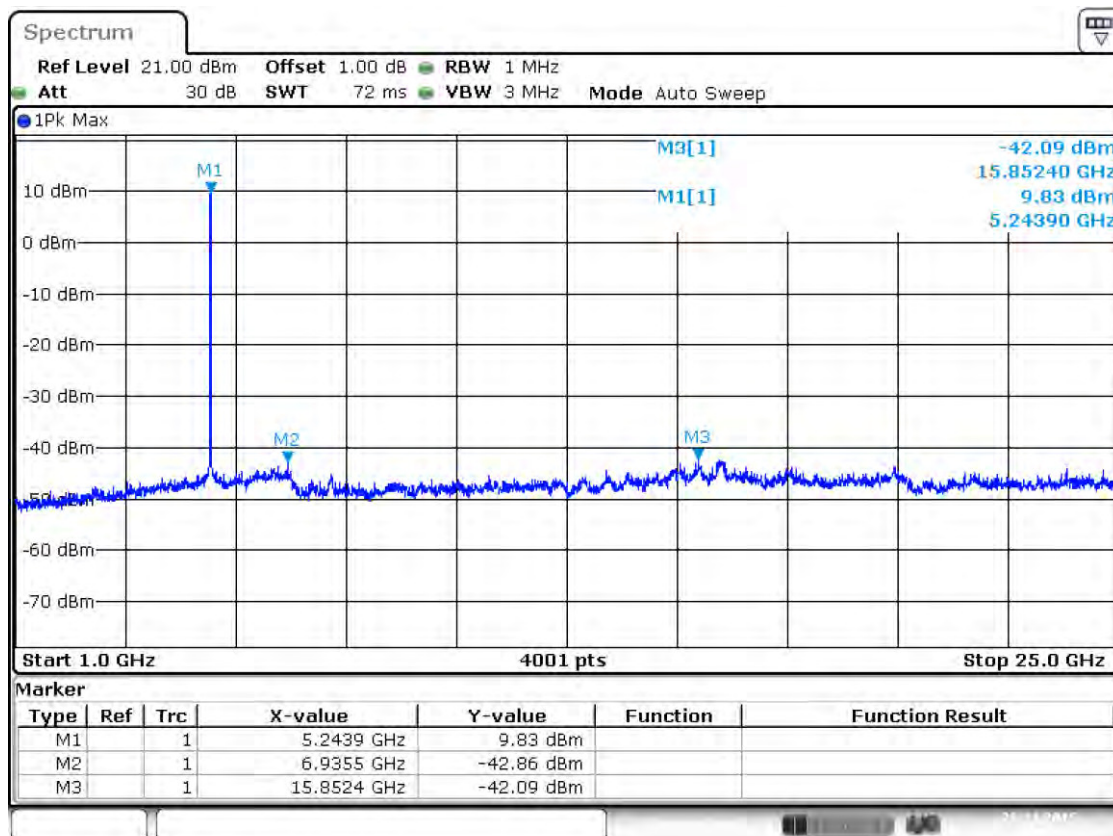
Note 4: The harmonic (3th, 4th, 5th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11a CH48

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 6935.5          | -42.86      | 0                             | 3     | 6.3            | PK       | 58.70      | 91.39          | 32.69       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 71.39          | N/A         | Note 3 | PASS    |
| 15852.4         | -42.09      | 0                             | 3     | 6.3            | PK       | 59.47      | 74.00          | 14.53       | --     | PASS    |
|                 | -66.94      |                               | 3     | 6.3            | AV       | 34.62      | 54.00          | 19.38       | --     | PASS    |
| 5243.9          | 9.83        | 0                             | 3     | 6.3            | PK       | 111.39     | N/A            | N/A         | Note 1 | N/A     |
|                 | -15.02      |                               | 3     | 6.3            | AV       | 86.54      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band I 11a CH48, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 10:43:22

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

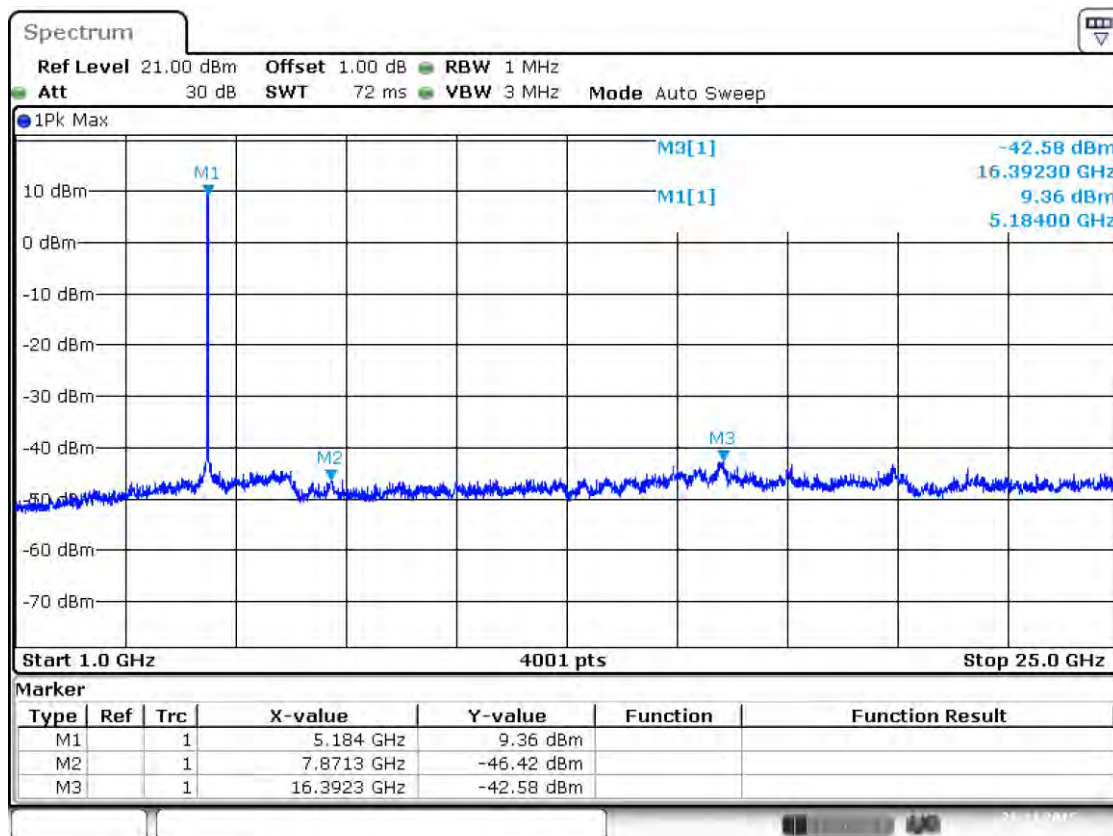
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11n(HT20) CH36

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7871.3          | -46.42      | 0                             | 3     | 6.3            | PK       | 55.14      | 90.92          | 35.78       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 70.92          | N/A         | Note 3 | PASS    |
| 16392.3         | -42.58      | 0                             | 3     | 6.3            | PK       | 58.98      | 90.92          | 31.94       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 70.92          | N/A         | Note 3 | PASS    |
| 5184            | 9.36        | 0                             | 3     | 6.3            | PK       | 110.92     | N/A            | N/A         | Note 1 | N/A     |
|                 | -15.49      |                               | 3     | 6.3            | AV       | 86.07      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band I 11n(HT20) CH36, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 12:51:35

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

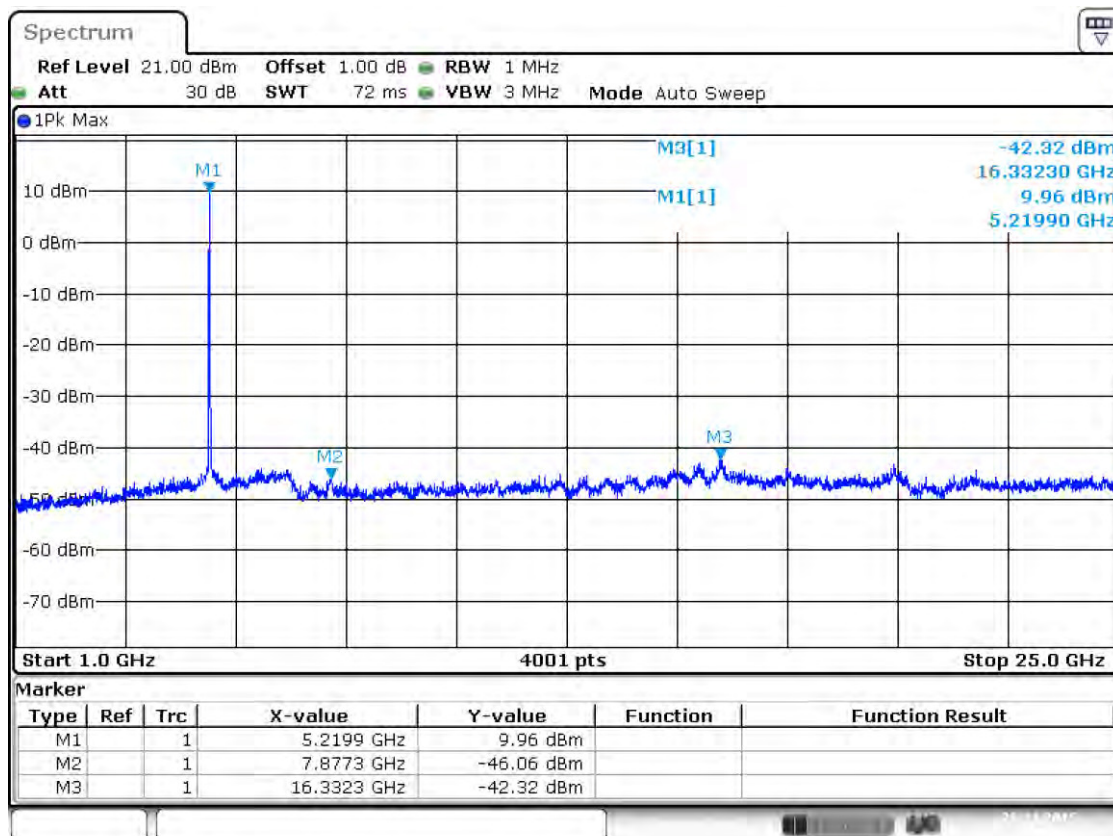
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11n(HT20) CH44

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7877.3          | -46.06      | 0                             | 3     | 6.3            | PK       | 55.50      | 91.52          | 36.02       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 71.52          | N/A         | Note 3 | PASS    |
| 16332.3         | -42.32      | 0                             | 3     | 6.3            | PK       | 59.24      | 91.52          | 32.28       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 71.52          | N/A         | Note 3 | PASS    |
| 5219.9          | 9.96        | 0                             | 3     | 6.3            | PK       | 111.52     | N/A            | N/A         | Note 1 | N/A     |
|                 | -14.89      |                               | 3     | 6.3            | AV       | 86.67      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band I 11n(HT20) CH44, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 12:53:02

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

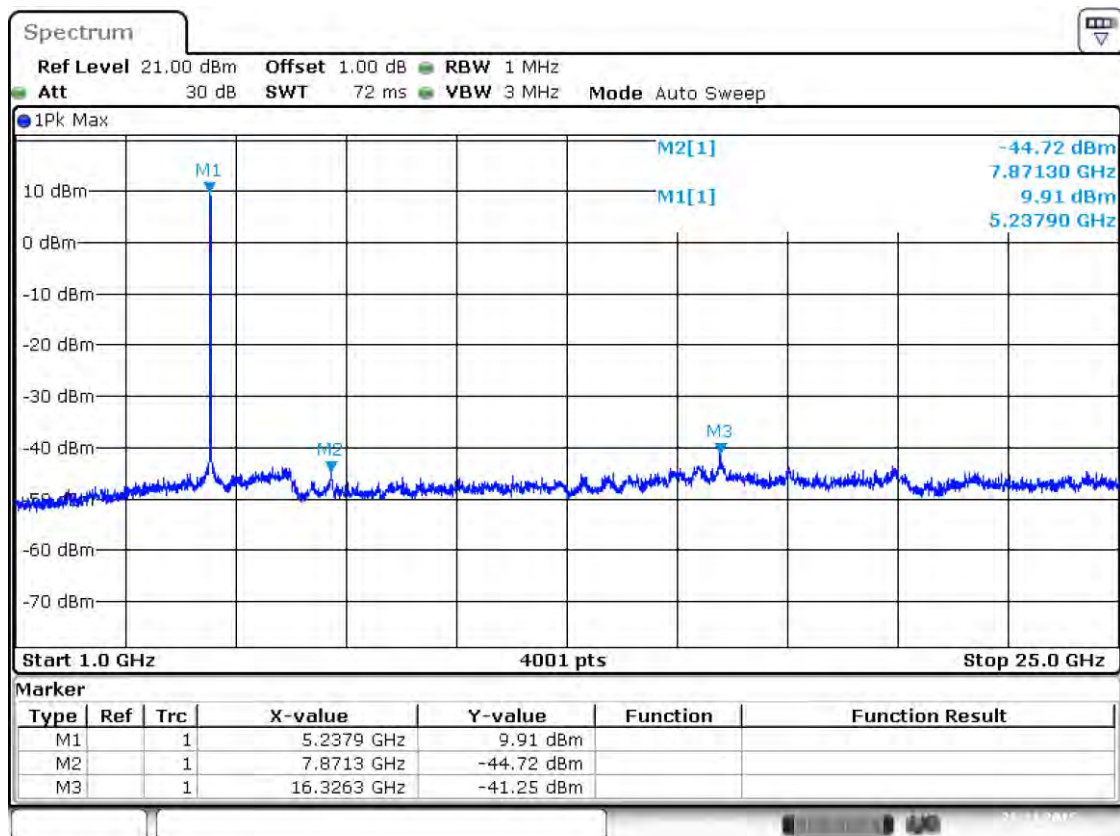
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11n(HT20) CH48

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7871.3          | -44.72      | 0                             | 3     | 6.3            | PK       | 56.84      | 91.47          | 34.63       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 71.47          | N/A         | Note 3 | PASS    |
| 16326.3         | -41.25      | 0                             | 3     | 6.3            | PK       | 60.31      | 91.47          | 31.16       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 71.47          | N/A         | Note 3 | PASS    |
| 5237.9          | 9.91        | 0                             | 3     | 6.3            | PK       | 111.47     | N/A            | N/A         | Note 1 | N/A     |
|                 | -14.94      |                               | 3     | 6.3            | AV       | 86.62      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band I 11n(HT20) CH48, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 12:55:06

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

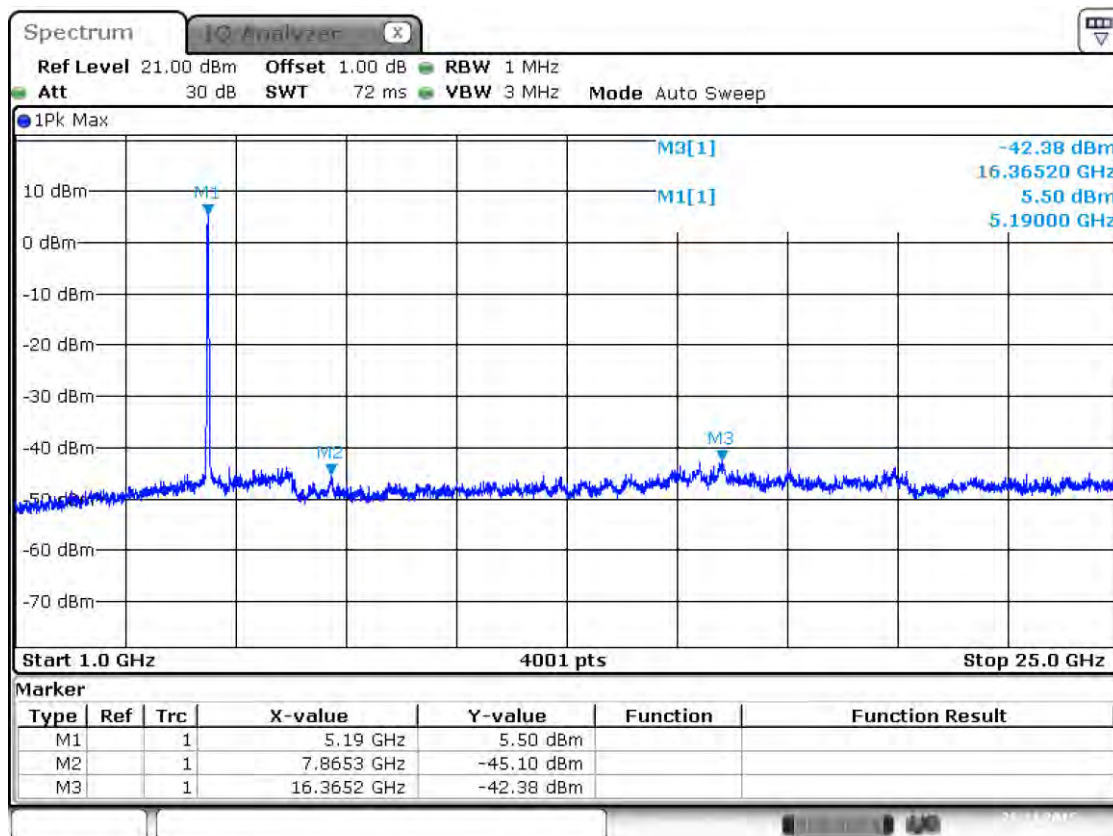
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11n(HT40) CH38

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7865.3          | -45.1       | 0                             | 3     | 6.3            | PK       | 56.46      | 87.06          | 30.60       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 67.06          | N/A         | Note 3 | PASS    |
| 16365.2         | -42.38      | 0                             | 3     | 6.3            | PK       | 59.18      | 87.06          | 27.88       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 67.06          | N/A         | Note 3 | PASS    |
| 5190            | 5.5         | 0                             | 3     | 6.3            | PK       | 107.06     | N/A            | N/A         | Note 1 | N/A     |
|                 | -19.35      |                               | 3     | 6.3            | AV       | 82.21      | N/A            | N/A         |        | N/A     |

#### Test Plots

#### Band I 11n(HT40) CH38, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 15:07:53

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

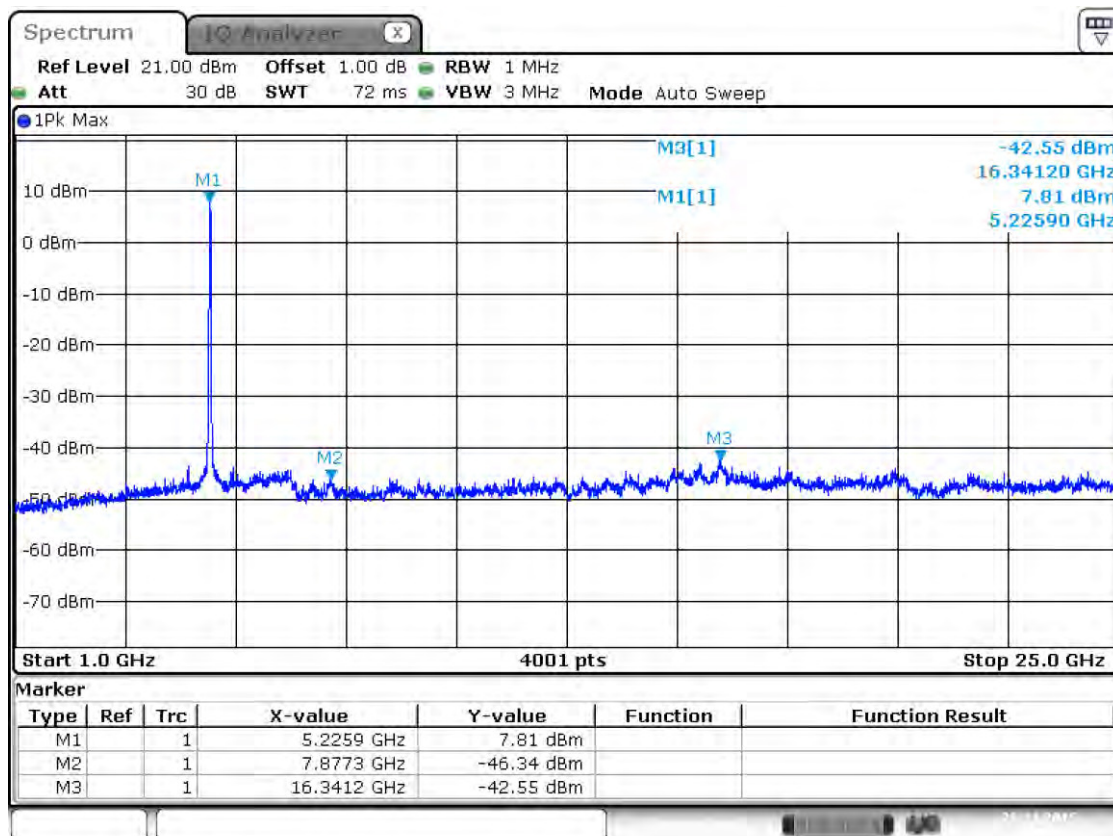
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11n(HT40) CH46

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7877.3          | -46.34      | 0                             | 3     | 6.3            | PK       | 55.22      | 89.37          | 34.15       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 69.37          | N/A         | Note 3 | PASS    |
| 16341.2         | -42.55      | 0                             | 3     | 6.3            | PK       | 59.01      | 89.37          | 30.36       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 69.37          | N/A         | Note 3 | PASS    |
| 5225.9          | 7.81        | 0                             | 3     | 6.3            | PK       | 109.37     | N/A            | N/A         | Note 1 | N/A     |
|                 | -17.04      |                               | 3     | 6.3            | AV       | 84.52      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band I 11n(HT40) CH46, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 15:08:47

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

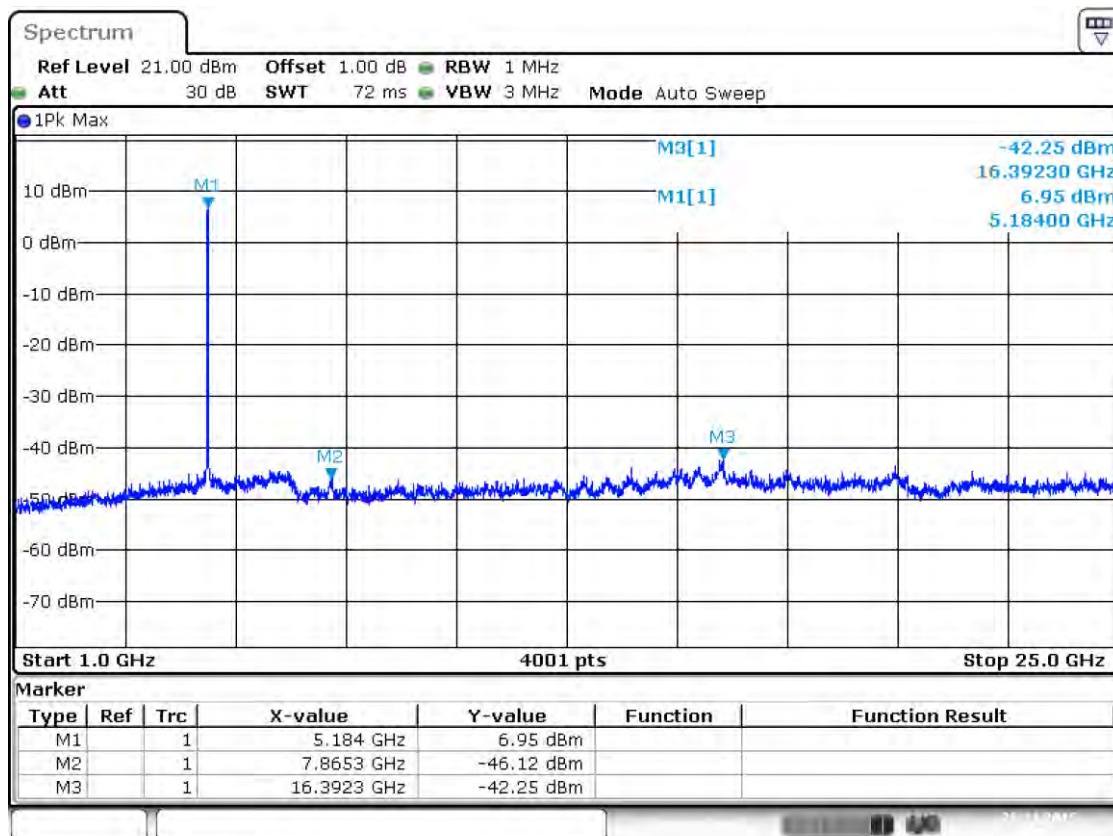
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11ac(HT20) CH36

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7865.3          | -46.12      | 0                             | 3     | 6.3            | PK       | 55.44      | 88.51          | 33.07       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 68.51          | N/A         | Note 3 | PASS    |
| 16392.3         | -42.25      | 0                             | 3     | 6.3            | PK       | 59.31      | 88.51          | 29.20       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 68.51          | N/A         | Note 3 | PASS    |
| 5184            | 6.95        | 0                             | 3     | 6.3            | PK       | 108.51     | N/A            | N/A         | Note 1 | N/A     |
|                 | -17.90      |                               | 3     | 6.3            | AV       | 83.66      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band I 11ac(HT20) CH36, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 10:55:17

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.4 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

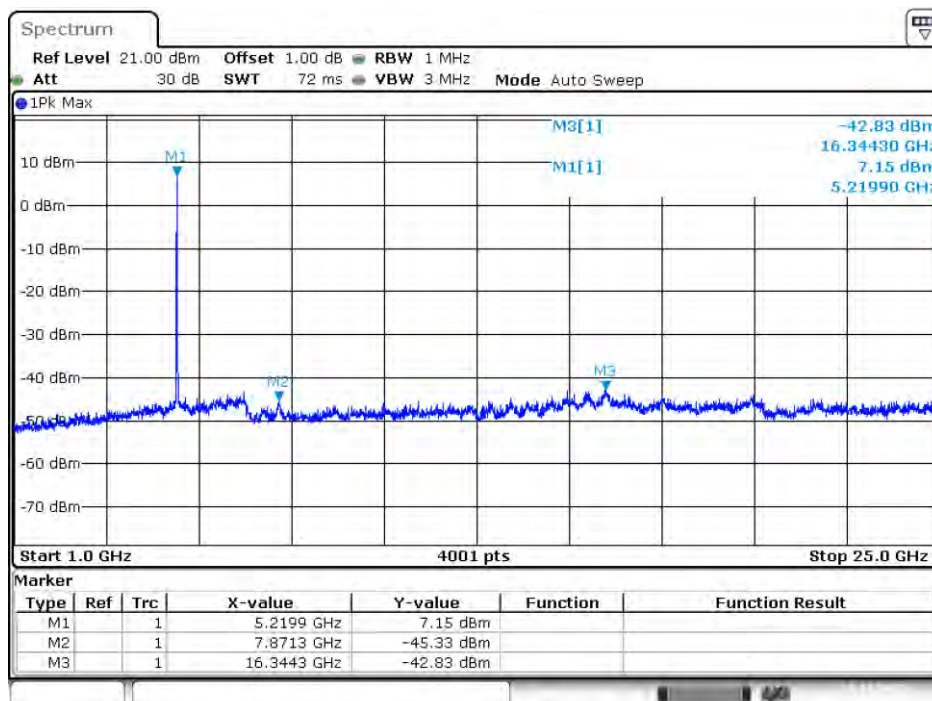
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11ac(HT20) CH44

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7871.3          | -45.33      | 0                             | 3     | 6.3            | PK       | 56.23      | 88.71          | 32.48       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 68.71          | N/A         | Note 3 | PASS    |
| 16344.3         | -42.83      | 0                             | 3     | 6.3            | PK       | 58.73      | 88.71          | 29.98       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 68.71          | N/A         | Note 3 | PASS    |
| 5219.9          | 7.15        | 0                             | 3     | 6.3            | PK       | 108.71     | N/A            | N/A         | Note 1 | N/A     |
|                 | -17.70      |                               | 3     | 6.3            | AV       | 83.86      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band I 11ac(HT20) CH44, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 10:56:25

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

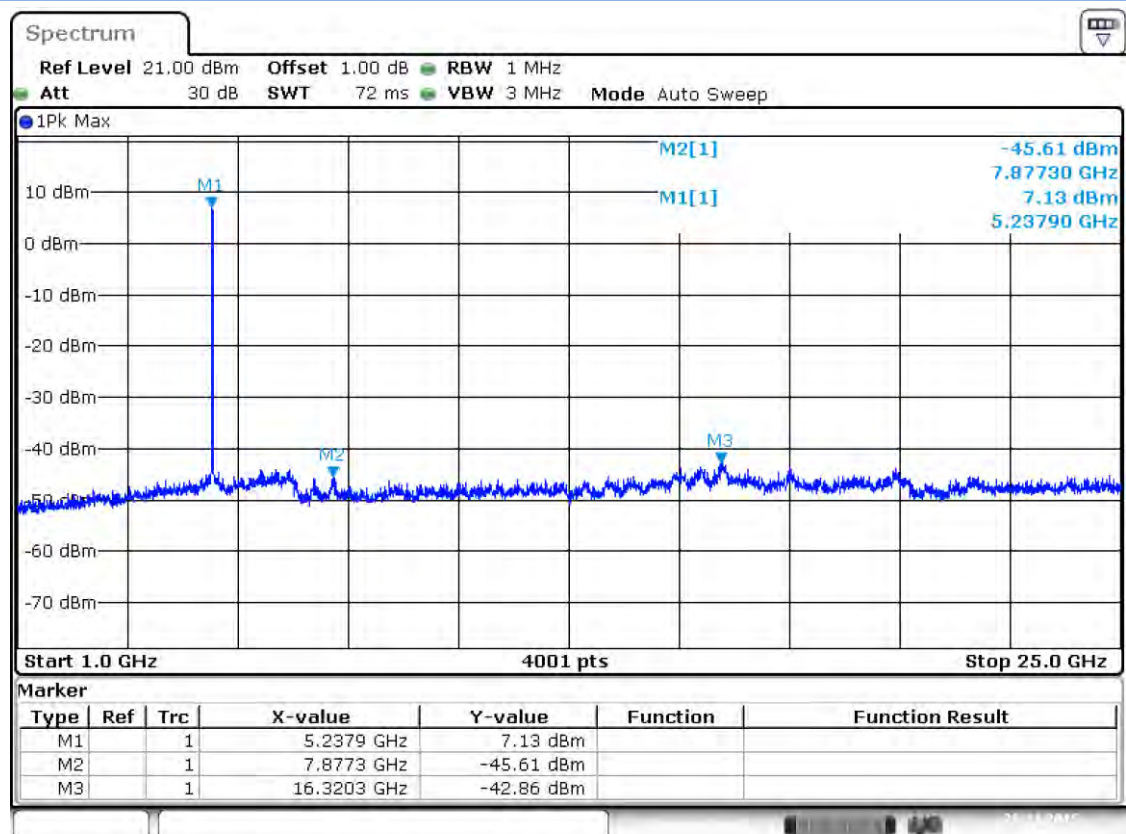
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11ac(HT20) CH48

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7877.3          | -45.61      | 0                             | 3     | 6.3            | PK       | 55.95      | 88.69          | 32.74       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 68.69          | N/A         | Note 3 | PASS    |
| 16320.3         | -42.86      | 0                             | 3     | 6.3            | PK       | 58.70      | 88.69          | 29.99       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 68.69          | N/A         | Note 3 | PASS    |
| 5237.9          | 7.13        | 0                             | 3     | 6.3            | PK       | 108.69     | N/A            | N/A         | Note 1 | N/A     |
|                 | -17.72      |                               | 3     | 6.3            | AV       | 83.84      | N/A            | N/A         |        | N/A     |

#### Test Plots

#### Band I 11ac(HT20) CH48, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 10:57:23

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

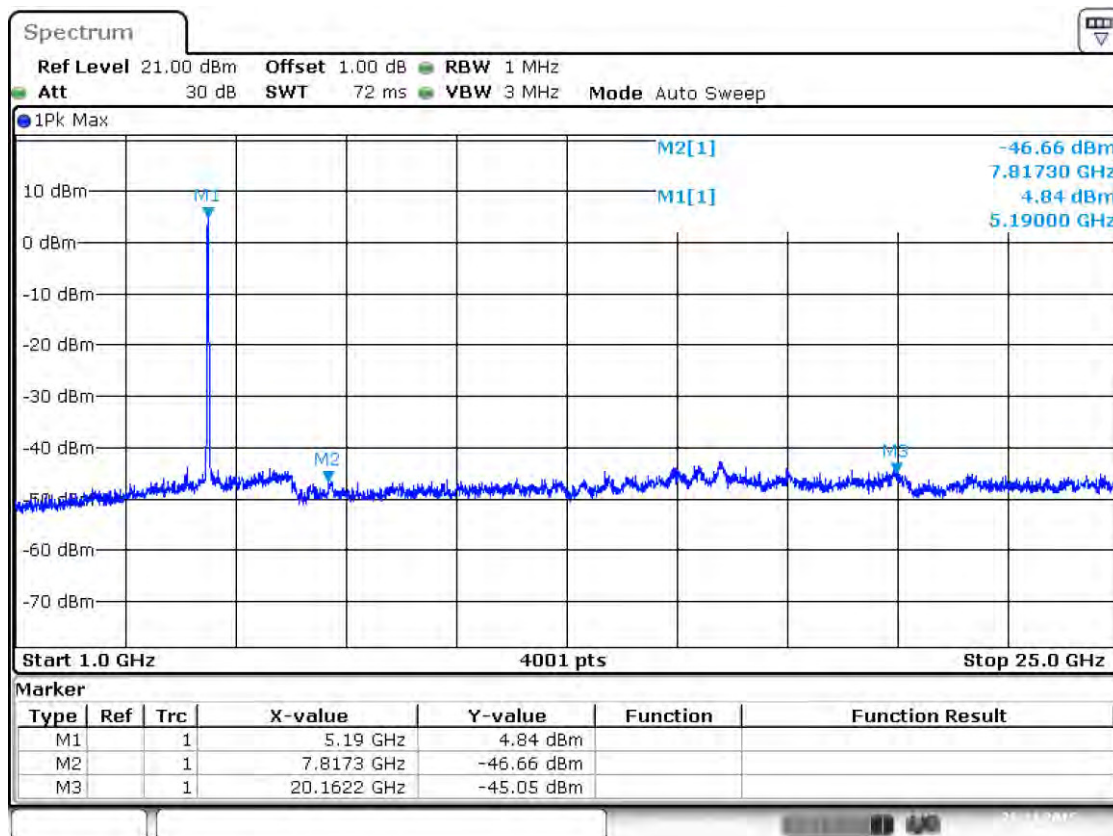
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11ac(HT40) CH38

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7817.3          | -46.66      | 0                             | 3     | 6.3            | PK       | 54.90      | 86.40          | 31.50       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 66.40          | N/A         | Note 3 | PASS    |
| 20162.2         | -45.05      | 0                             | 3     | 6.3            | PK       | 56.51      | 74.00          | 17.49       | --     | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 54.00          | N/A         | Note 3 | PASS    |
| 5190            | 4.84        | 0                             | 3     | 6.3            | PK       | 106.40     | N/A            | N/A         | Note 1 | N/A     |
|                 | -20.01      |                               | 3     | 6.3            | AV       | 81.55      | N/A            | N/A         |        | N/A     |

#### Test Plots

#### Band I 11ac(HT40) CH38, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 13:14:03

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

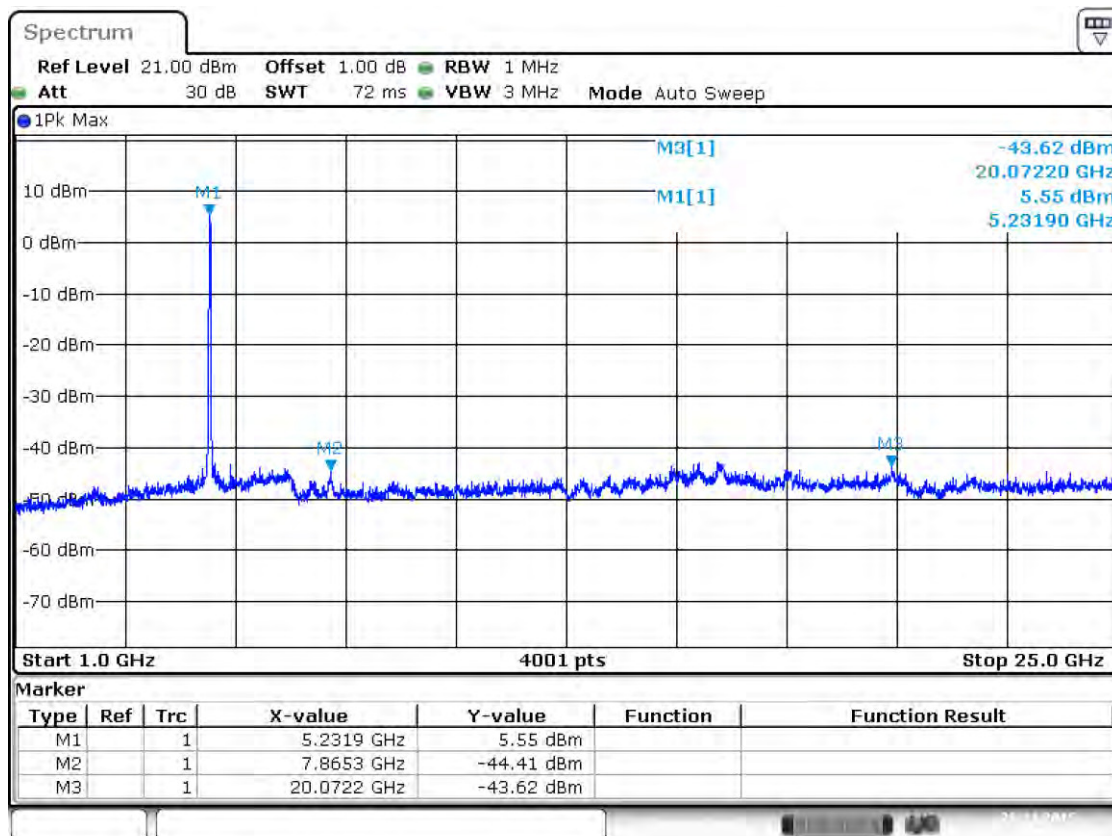
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11ac(HT40) CH46

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7865.3          | -44.41      | 0                             | 3     | 6.3            | PK       | 57.15      | 87.11          | 29.96       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 67.11          | N/A         | Note 3 | PASS    |
| 20072.2         | -43.62      | 0                             | 3     | 6.3            | PK       | 57.94      | 74.00          | 16.06       | --     | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 54.00          | N/A         | Note 3 | PASS    |
| 5231.9          | 5.55        | 0                             | 3     | 6.3            | PK       | 107.11     | N/A            | N/A         | Note 1 | N/A     |
|                 | -19.30      |                               | 3     | 6.3            | AV       | 82.26      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band I 11ac(HT40) CH46, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 13:15:26

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.3 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

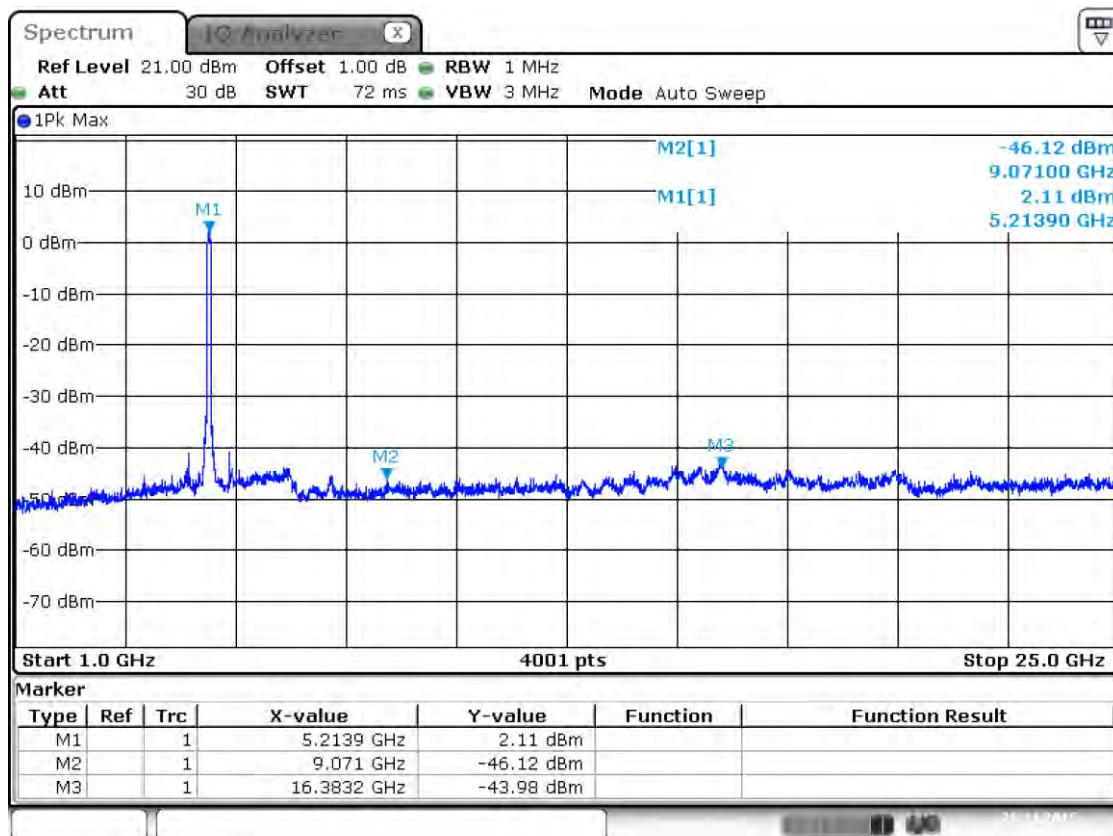
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band I 11ac(HT80) CH42

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 9071            | -46.12      | 0                             | 3     | 6.3            | PK       | 55.44      | 74.00          | 18.56       | --     | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 54.00          | N/A         | Note 3 | PASS    |
| 16383.2         | -43.98      | 0                             | 3     | 6.3            | PK       | 57.58      | 83.67          | 26.09       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.3            | AV       | N/A        | 63.67          | N/A         | Note 3 | PASS    |
| 5213.9          | 2.11        | 0                             | 3     | 6.3            | PK       | 103.67     | N/A            | N/A         | Note 1 | N/A     |
|                 | -22.74      |                               | 3     | 6.3            | AV       | 78.82      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band I 11ac(HT80) CH42, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 15:21:06

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.4dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

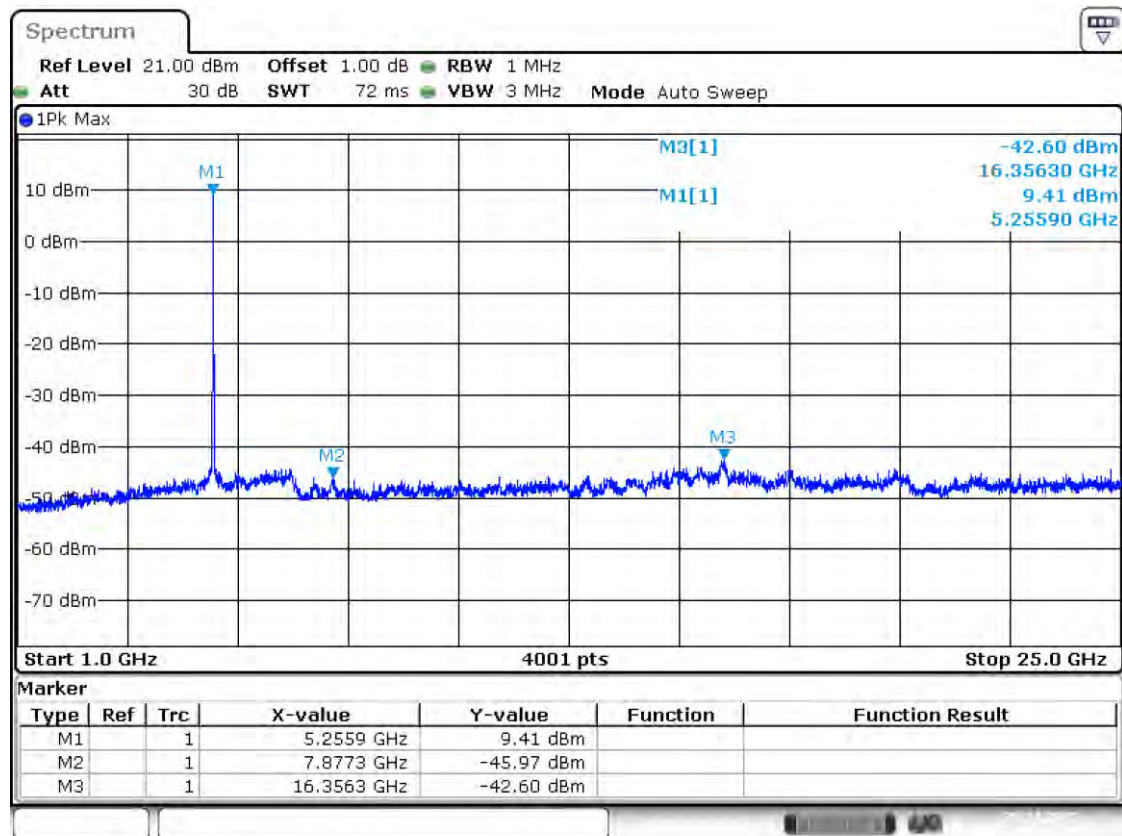
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band II 11a CH52

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7877.3          | -45.97      | 0                             | 3     | 6.4            | PK       | 55.69      | 91.07          | 35.38       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.4            | AV       | N/A        | 71.07          | N/A         | Note 3 | PASS    |
| 16356.3         | -42.6       | 0                             | 3     | 6.4            | PK       | 59.06      | 91.07          | 32.01       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.4            | AV       | N/A        | 71.07          | N/A         | Note 3 | PASS    |
| 5255.9          | 9.41        | 0                             | 3     | 6.4            | PK       | 111.07     | N/A            | N/A         | Note 1 | N/A     |
|                 | -15.44      |                               | 3     | 6.4            | AV       | 86.22      | N/A            | N/A         |        | N/A     |

#### Test Plots

#### Band II 11a CH52, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 10:44:35

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.4 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

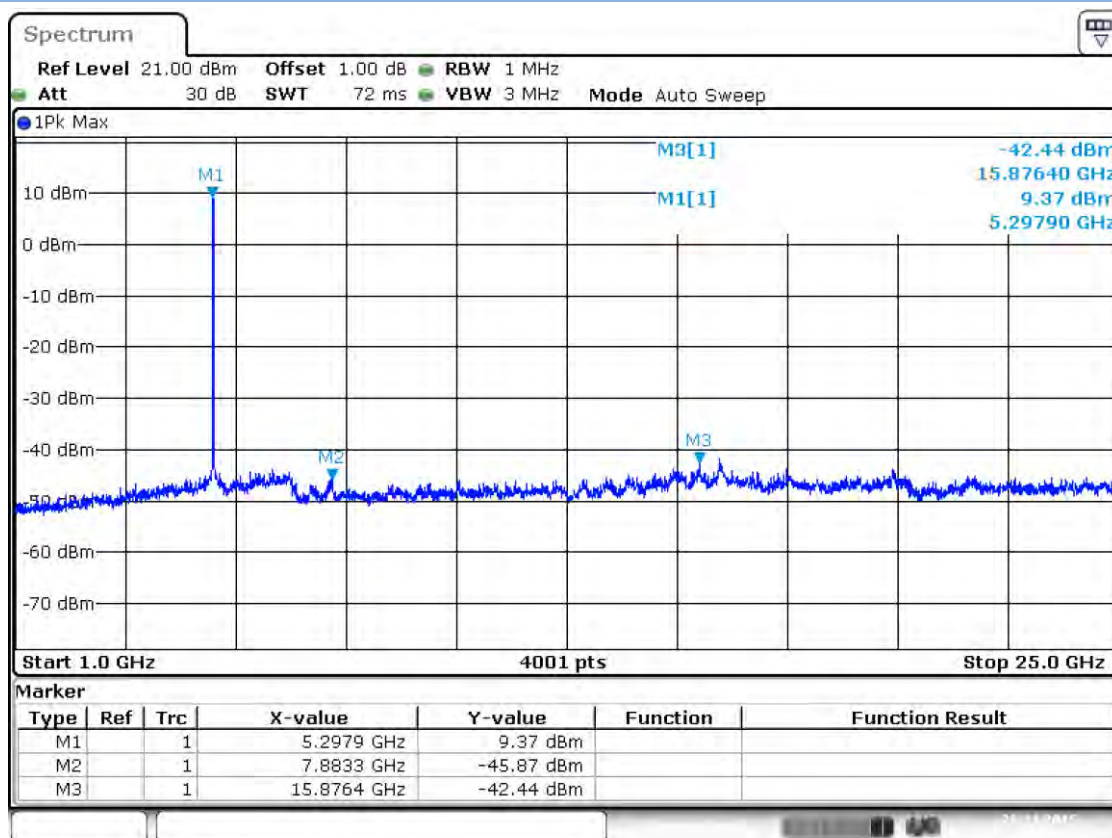
Note 4: The harmonic (3th, 4th, 5th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band II 11a CH56

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7883.3          | -45.87      | 0                             | 3     | 6.4            | PK       | 55.79      | 91.03          | 35.24       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.4            | AV       | N/A        | 71.03          | N/A         | Note 3 | PASS    |
| 15876.4         | -42.6       | 0                             | 3     | 6.4            | PK       | 59.06      | 74.00          | 14.94       | --     | PASS    |
|                 | -67.45      |                               | 3     | 6.4            | AV       | 34.21      | 54.00          | 19.79       | --     | PASS    |
| 5237.9          | 9.37        | 0                             | 3     | 6.4            | PK       | 111.03     | N/A            | N/A         | Note 1 | N/A     |
|                 | -15.48      |                               | 3     | 6.4            | AV       | 86.18      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band II 11a CH60, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 10:45:35

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.4 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

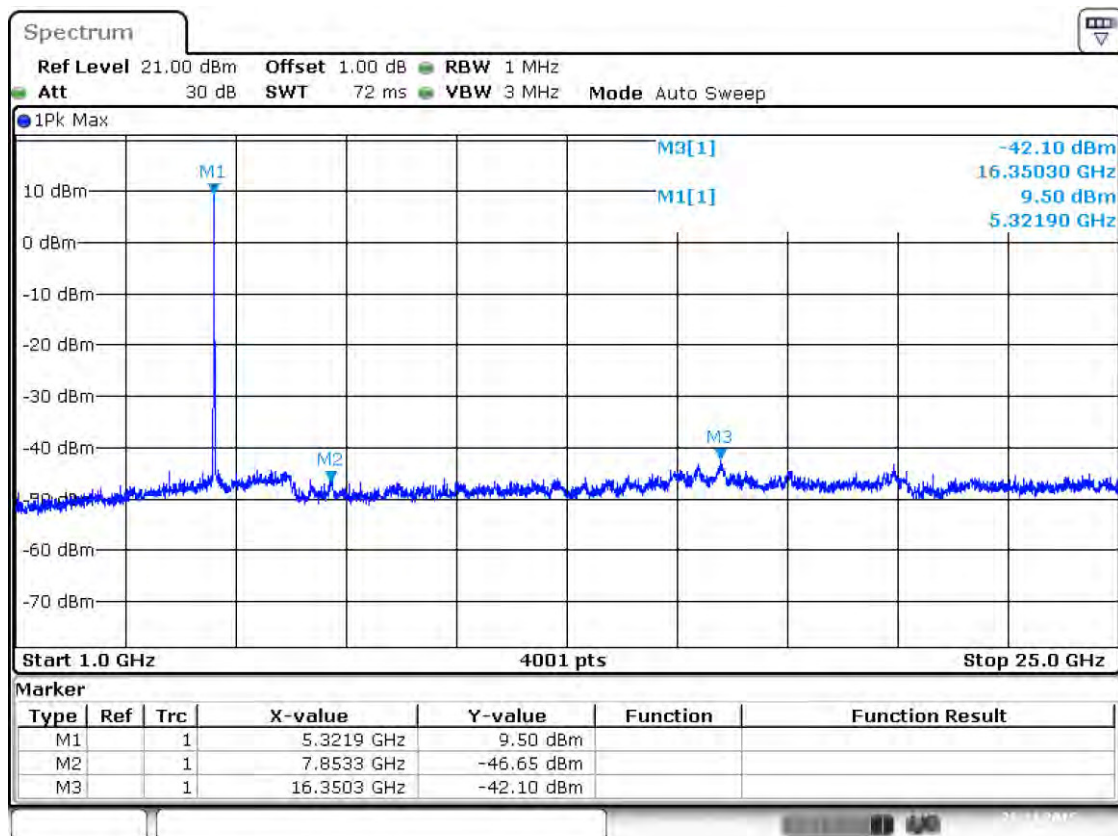
Note 4: The harmonic (3th, 4th, 5th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band II 11a CH64

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7853.3          | -46.65      | 0                             | 3     | 6.4            | PK       | 55.01      | 91.16          | 36.15       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.4            | AV       | N/A        | 71.16          | N/A         | Note 3 | PASS    |
| 16350.3         | -42.1       | 0                             | 3     | 6.4            | PK       | 59.56      | 91.16          | 31.60       | Note 2 | PASS    |
|                 | -66.95      |                               | 3     | 6.4            | AV       | 34.71      | 71.16          | 36.45       | --     | PASS    |
| 5321.9          | 9.5         | 0                             | 3     | 6.4            | PK       | 111.16     | N/A            | N/A         | Note 1 | N/A     |
|                 | -15.35      |                               | 3     | 6.4            | AV       | 86.31      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band II 11a CH64, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 10:47:07

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.4 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

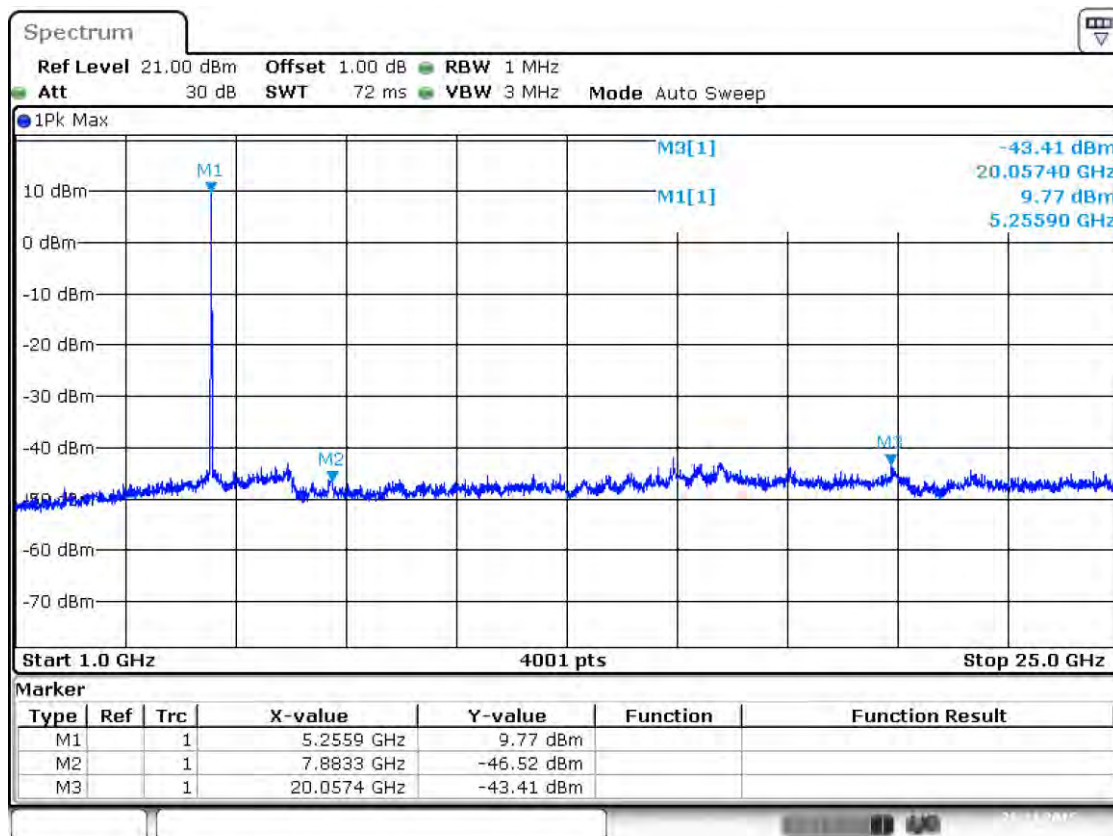
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band II 11n(HT20) CH52

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7883.3          | -46.52      | 0                             | 3     | 6.4            | PK       | 55.14      | 91.43          | 36.29       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.4            | AV       | N/A        | 71.43          | N/A         | Note 3 | PASS    |
| 20057.2         | -43.41      | 0                             | 3     | 6.4            | PK       | 58.25      | 74.00          | 15.75       | --     | PASS    |
|                 | N/A         |                               | 3     | 6.4            | AV       | N/A        | 54.00          | N/A         | Note 3 | PASS    |
| 5255.9          | 9.77        | 0                             | 3     | 6.4            | PK       | 111.43     | N/A            | N/A         | Note 1 | N/A     |
|                 | -15.08      |                               | 3     | 6.4            | AV       | 86.58      | N/A            | N/A         |        | N/A     |

#### Test Plots

##### Band II 11n(HT20) CH52, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 12:57:03

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6.4 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

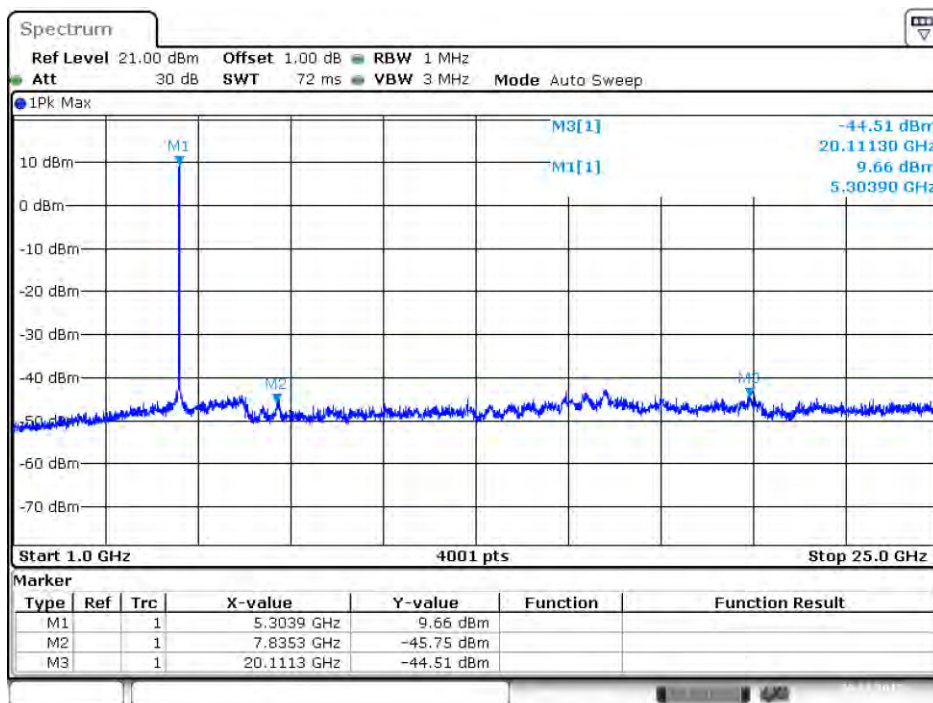
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

#### Band II 11n(HT20) CH60

| Frequency (MHz) | Value (dBm) | Ground Reflection Factor (dB) | D (m) | Max gain (dBi) | Detector | E (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark | Verdict |
|-----------------|-------------|-------------------------------|-------|----------------|----------|------------|----------------|-------------|--------|---------|
| 7835.3          | -45.75      | 0                             | 3     | 6.4            | PK       | 55.91      | 91.32          | 35.41       | Note 2 | PASS    |
|                 | N/A         |                               | 3     | 6.4            | AV       | N/A        | 71.32          | N/A         | Note 3 | PASS    |
| 20111.3         | -44.51      | 0                             | 3     | 6.4            | PK       | 57.15      | 74.00          | 16.85       | --     | PASS    |
|                 | N/A         |                               | 3     | 6.4            | AV       | N/A        | 54.00          | N/A         | Note 3 | PASS    |
| 5303.9          | 9.66        | 0                             | 3     | 6.4            | PK       | 111.32     | N/A            | N/A         | Note 1 | N/A     |
|                 | -15.19      |                               | 3     | 6.4            | AV       | 86.47      | N/A            | N/A         |        | N/A     |

#### Test Plots

#### Band II 11n(HT20) CH60, SPURIOUS 1 GHz ~ 25 GHz



Date: 26, NOV. 2015 12:58:23

The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.