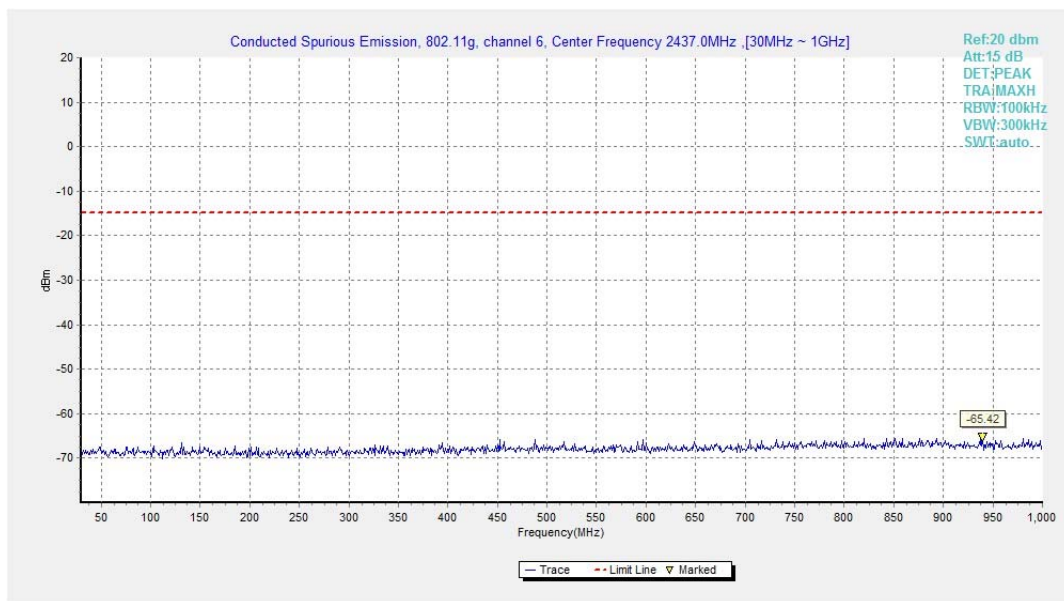
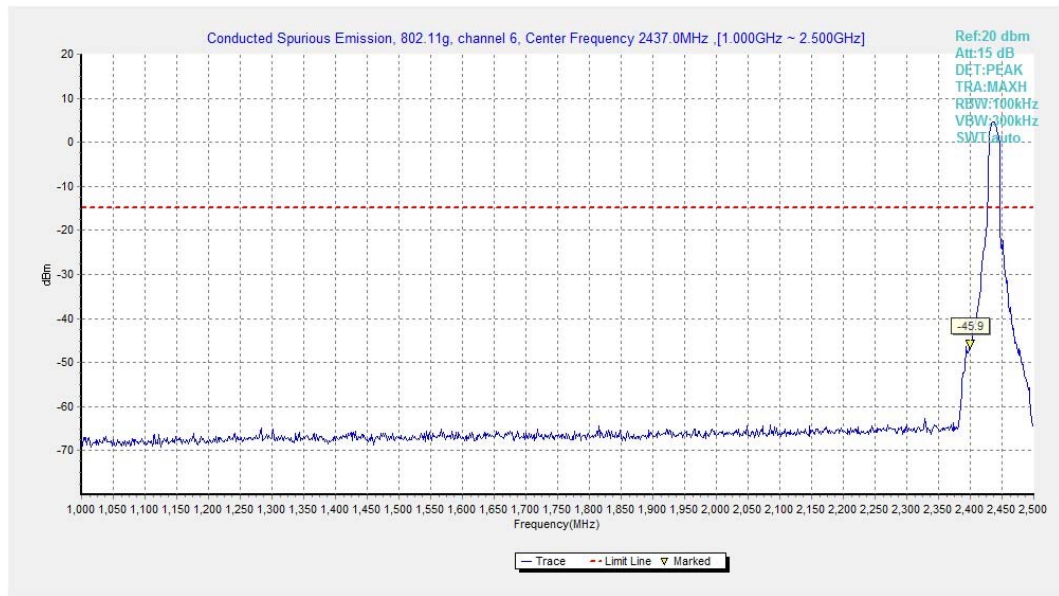


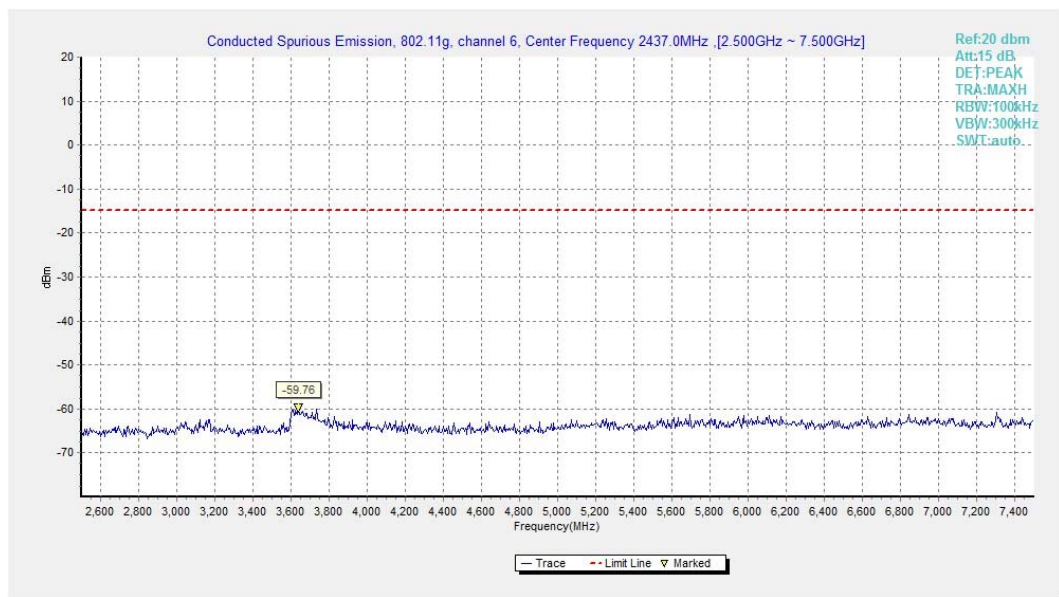
**Fig.A.6.1.33 Transmitter Spurious Emission - Conducted (802.11g, Ch6, Center Frequency)**



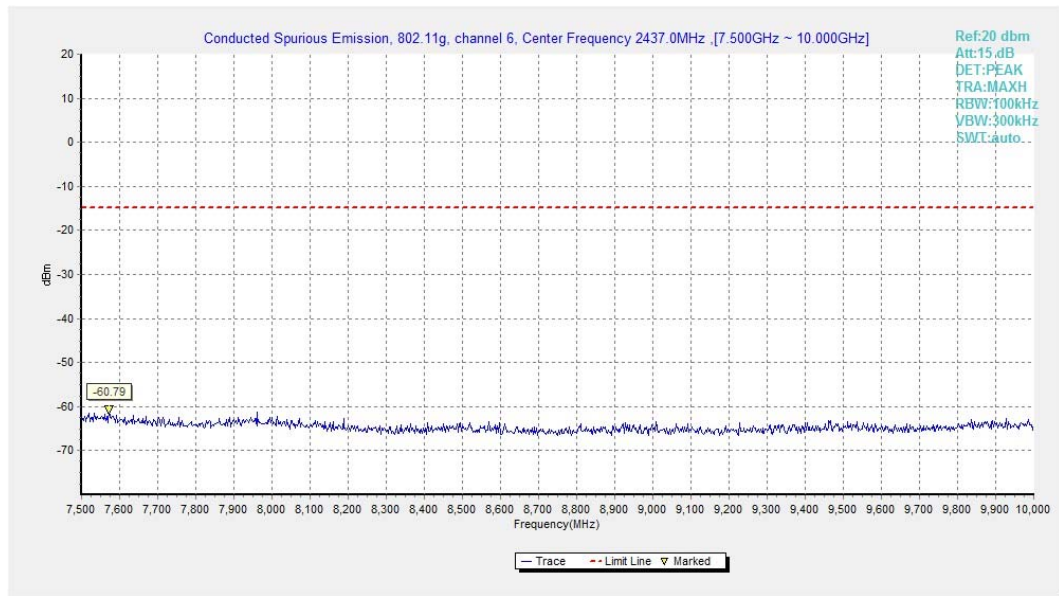
**Fig.A.6.1.34 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 30 MHz-1 GHz)**



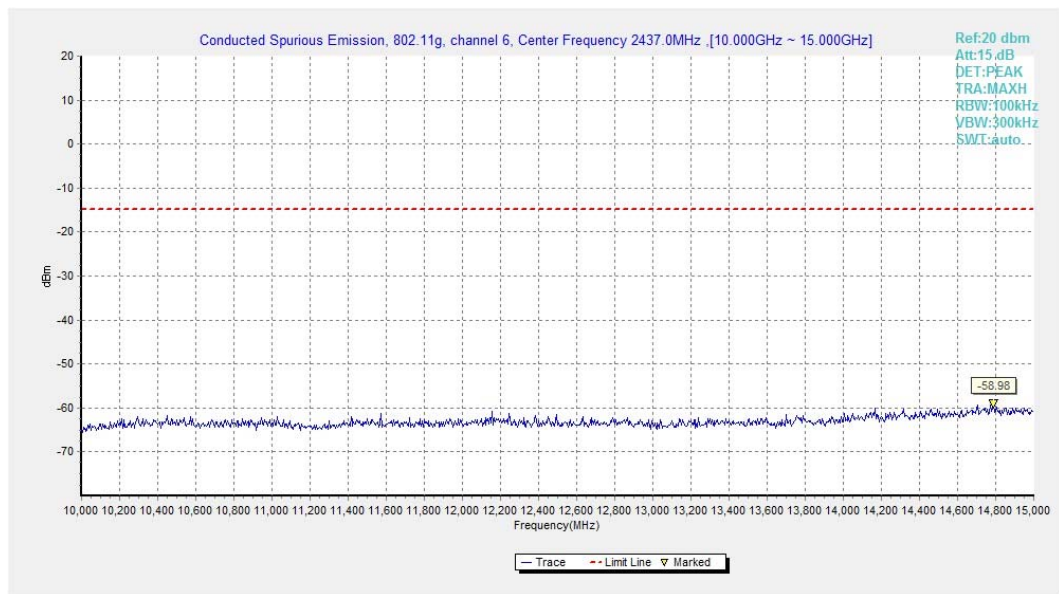
**Fig.A.6.1.35 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 1 GHz-2.5 GHz)**



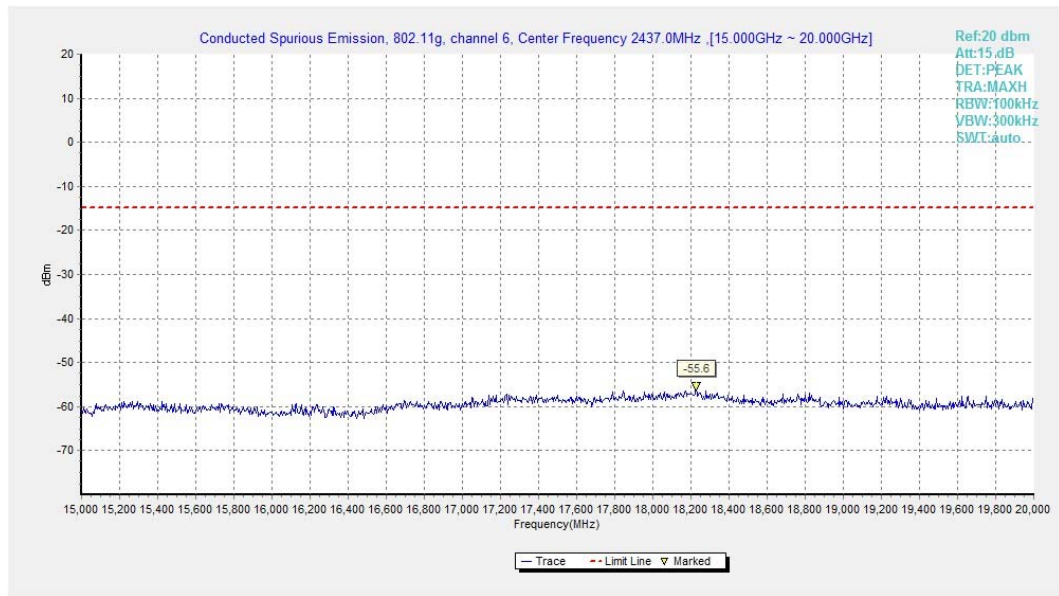
**Fig.A.6.1.36 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 2.5 GHz-7.5 GHz)**



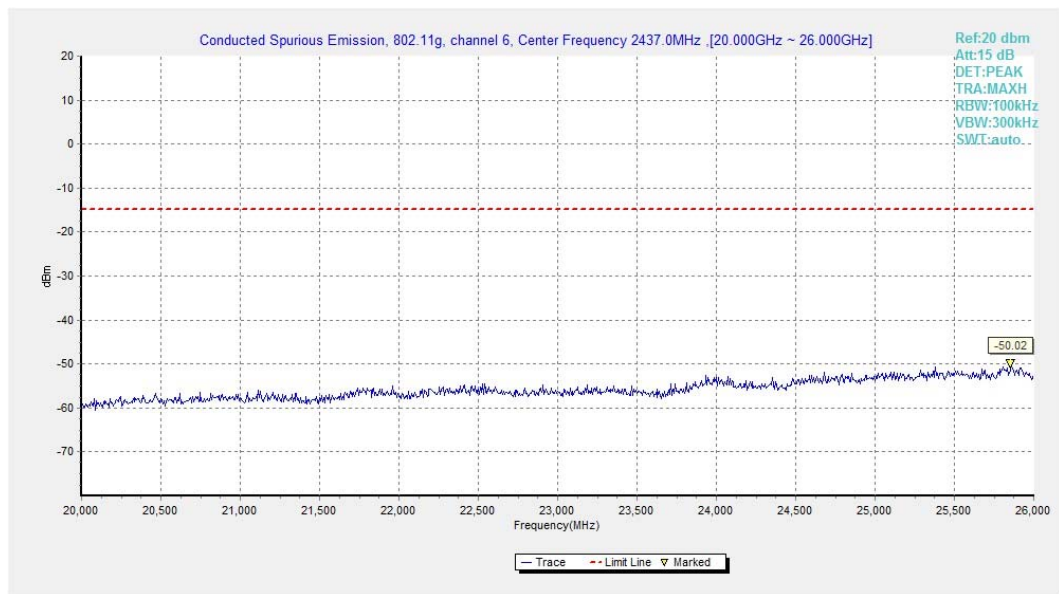
**Fig.A.6.1.37 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 7.5 GHz-10 GHz)**



**Fig.A.6.1.38 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 10 GHz-15 GHz)**

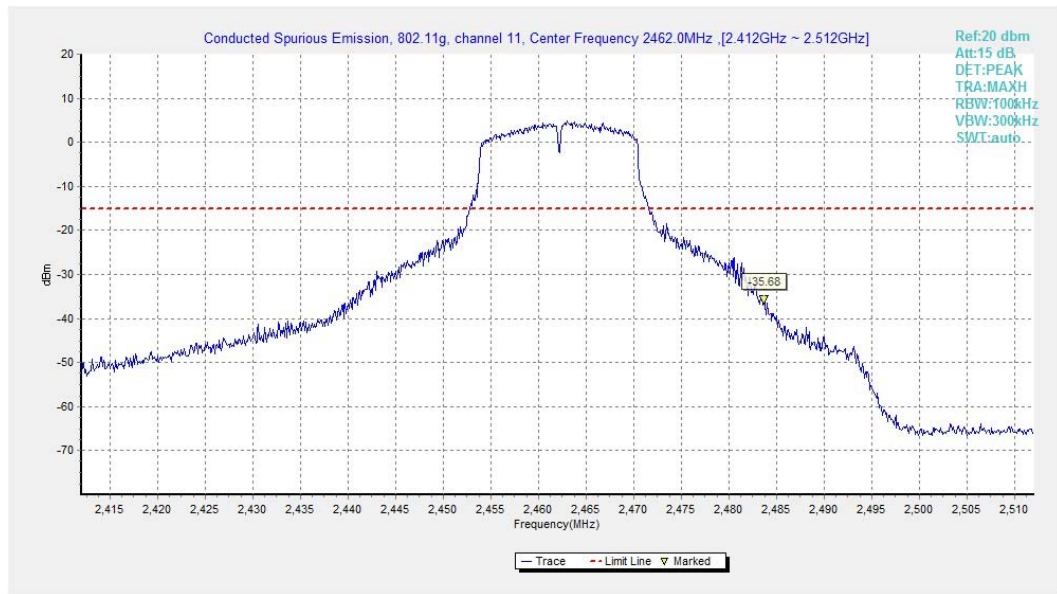


**Fig.A.6.1.39 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 15 GHz-20 GHz)**

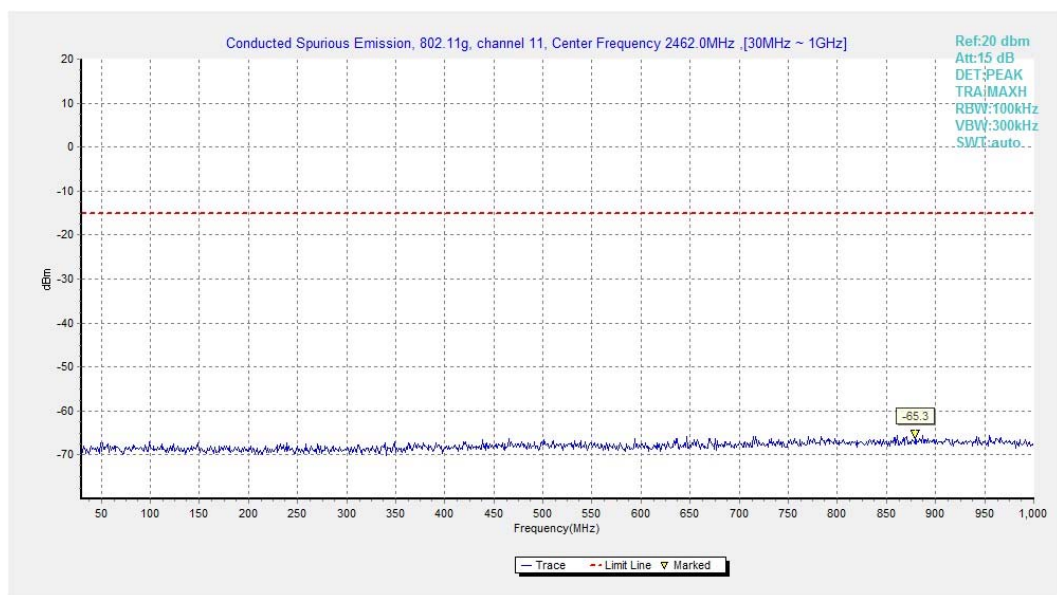


**Fig.A.6.1.40 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 20 GHz-26 GHz)**

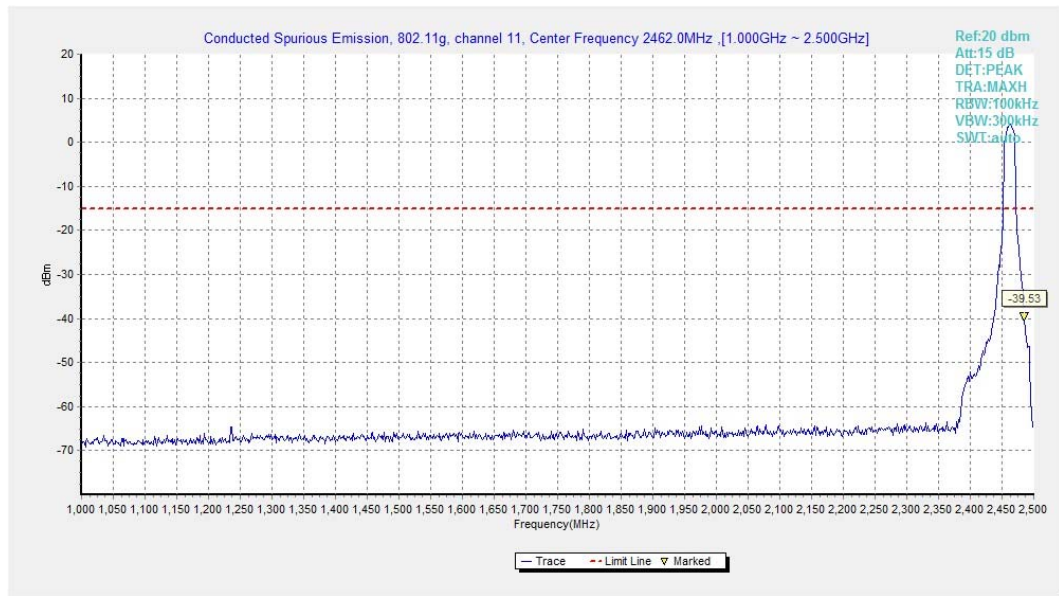




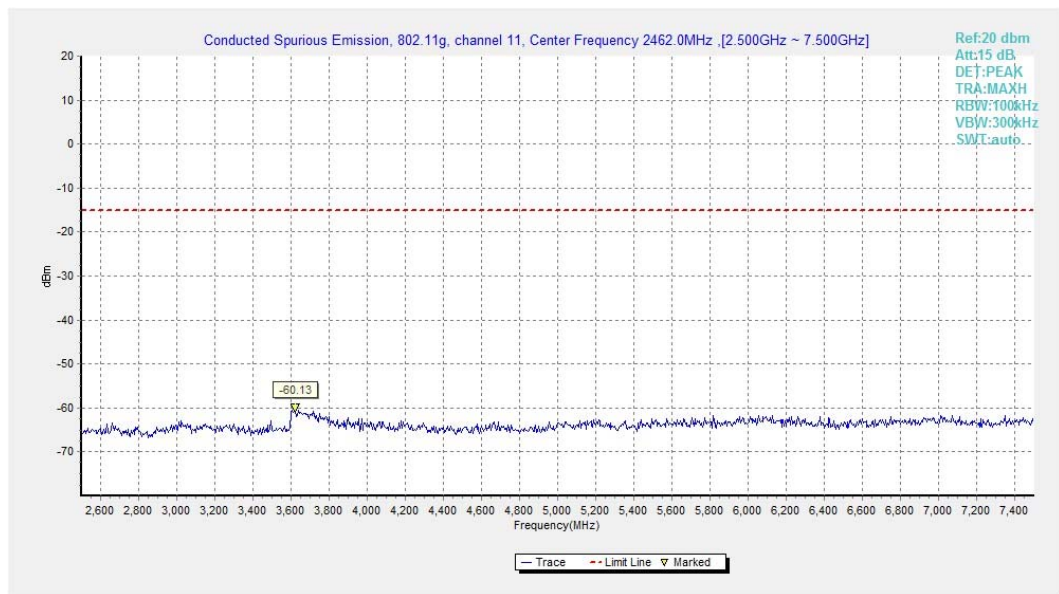
**Fig.A.6.1.41 Transmitter Spurious Emission - Conducted (802.11g, Ch11, Center Frequency)**



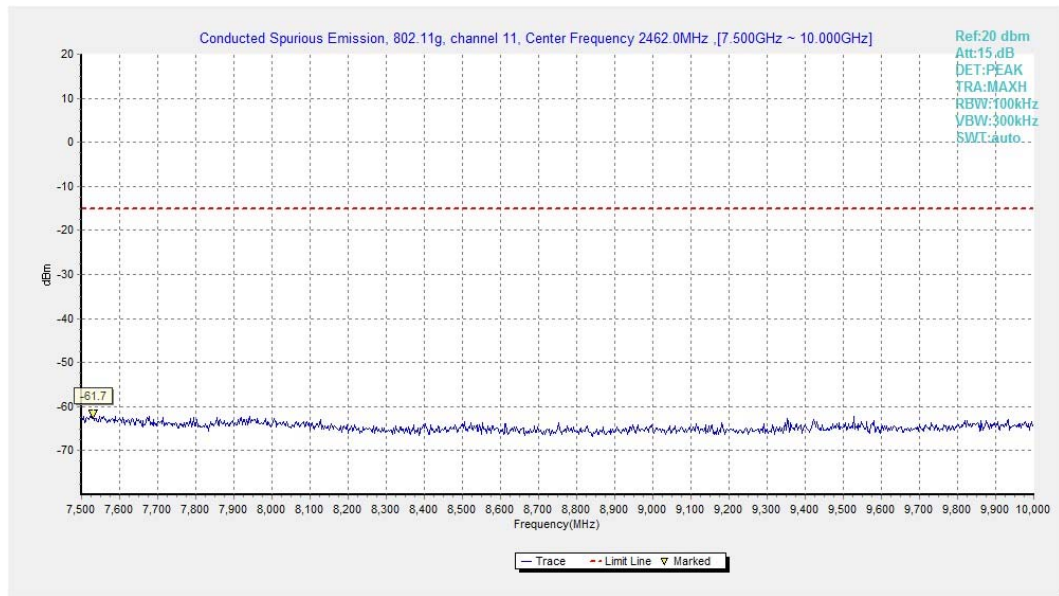
**Fig.A.6.1.42 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 30 MHz-1 GHz)**



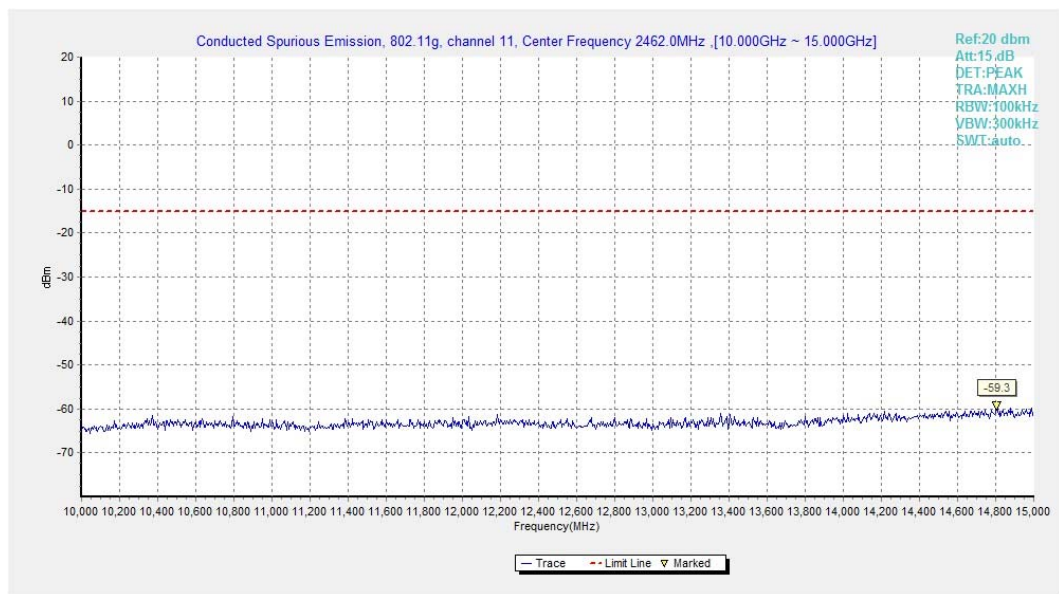
**Fig.A.6.1.43 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 1 GHz-2.5 GHz)**



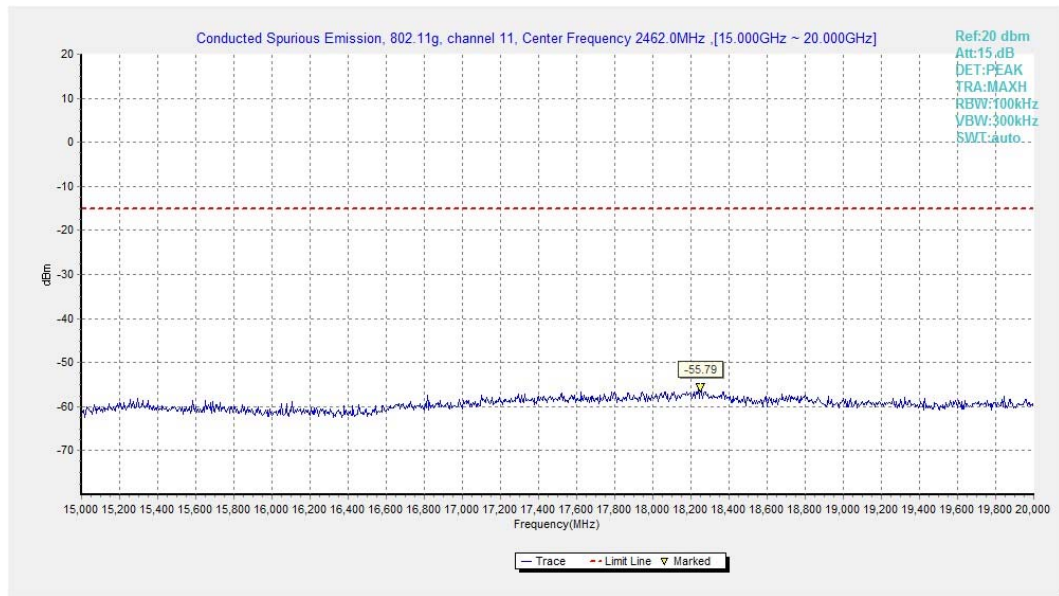
**Fig.A.6.1.44 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 2.5 GHz-7.5 GHz)**



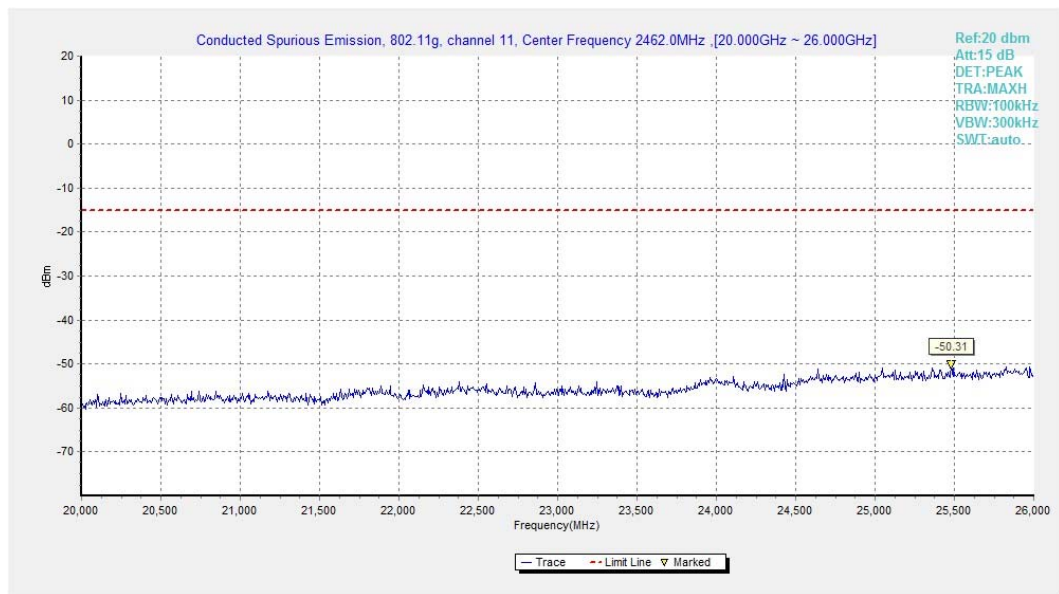
**Fig.A.6.1.45 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 7.5 GHz-10 GHz)**



**Fig.A.6.1.46 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 10 GHz-15 GHz)**

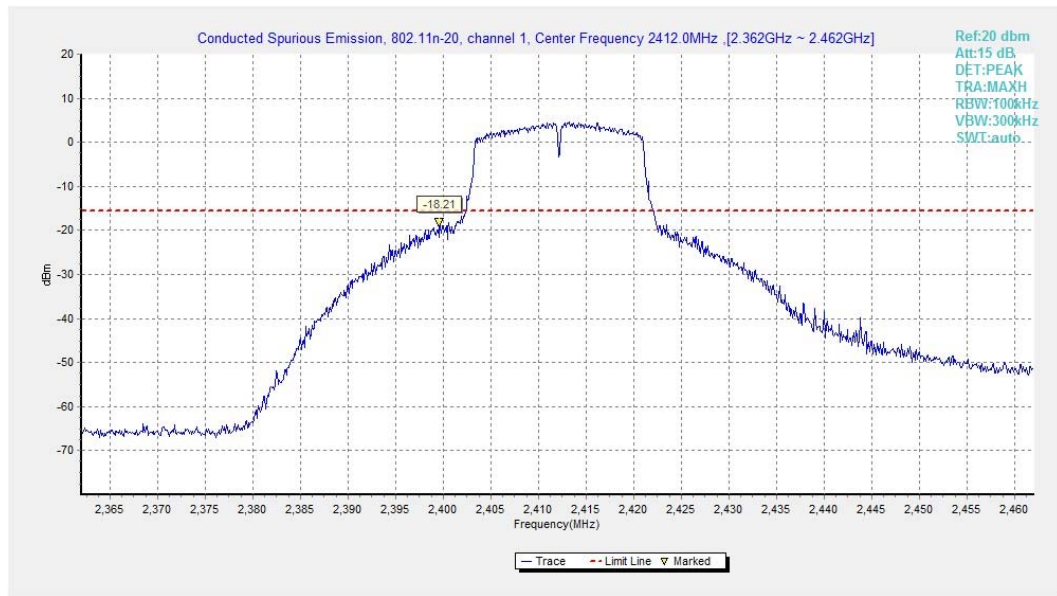


**Fig.A.6.1.47 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 15 GHz-20 GHz)**

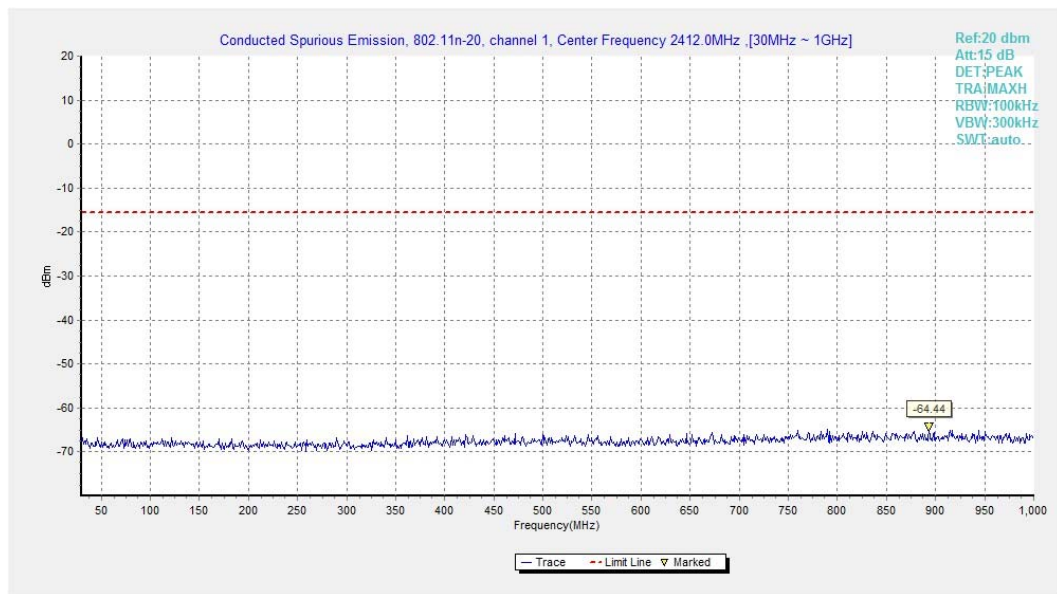


**Fig.A.6.1.48 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 20 GHz-26 GHz)**

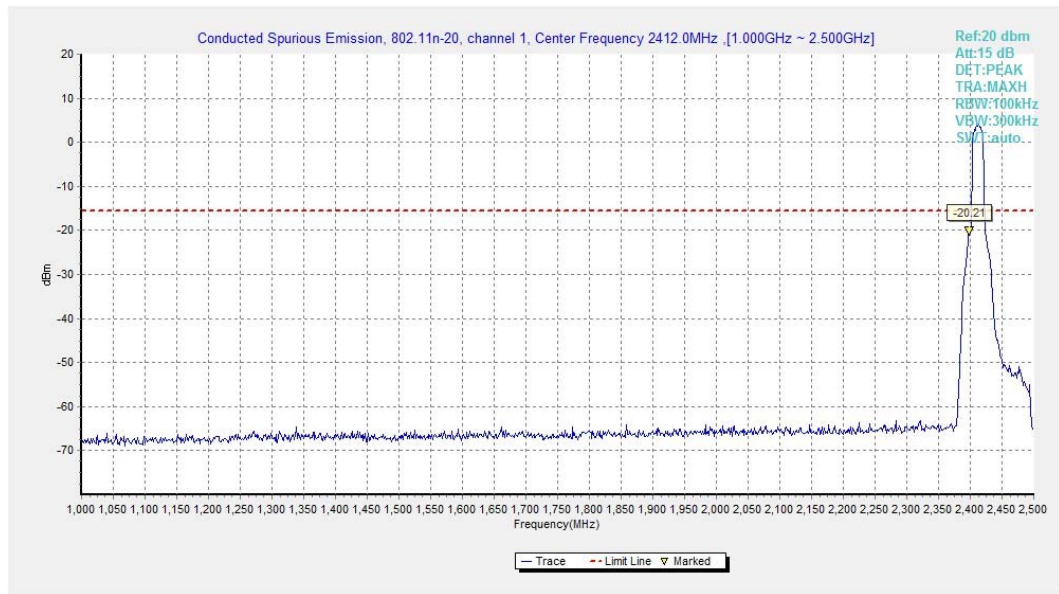




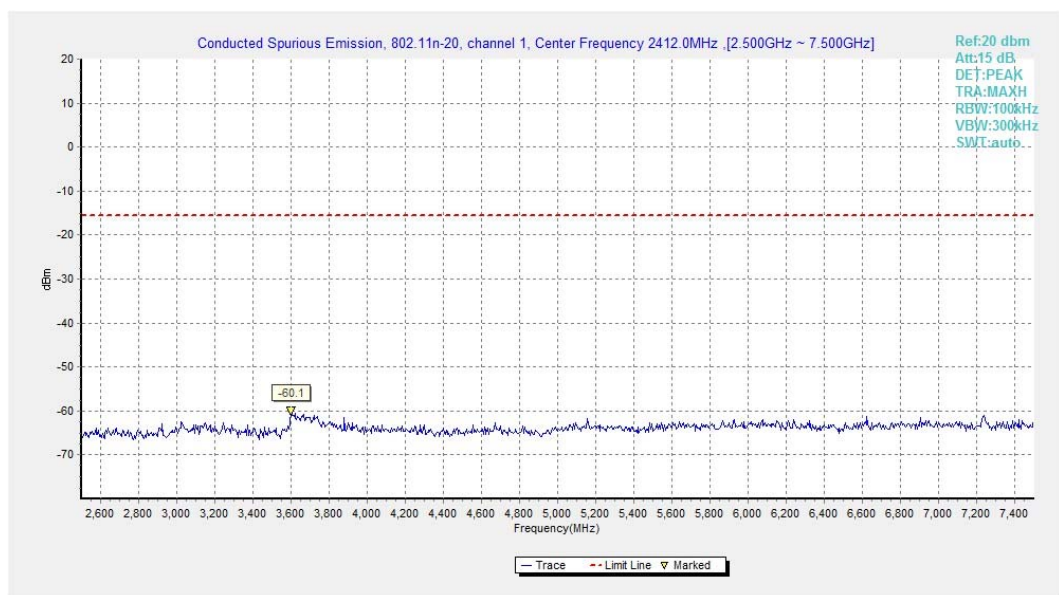
**Fig.A.6.1.49 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, Center Frequency)**



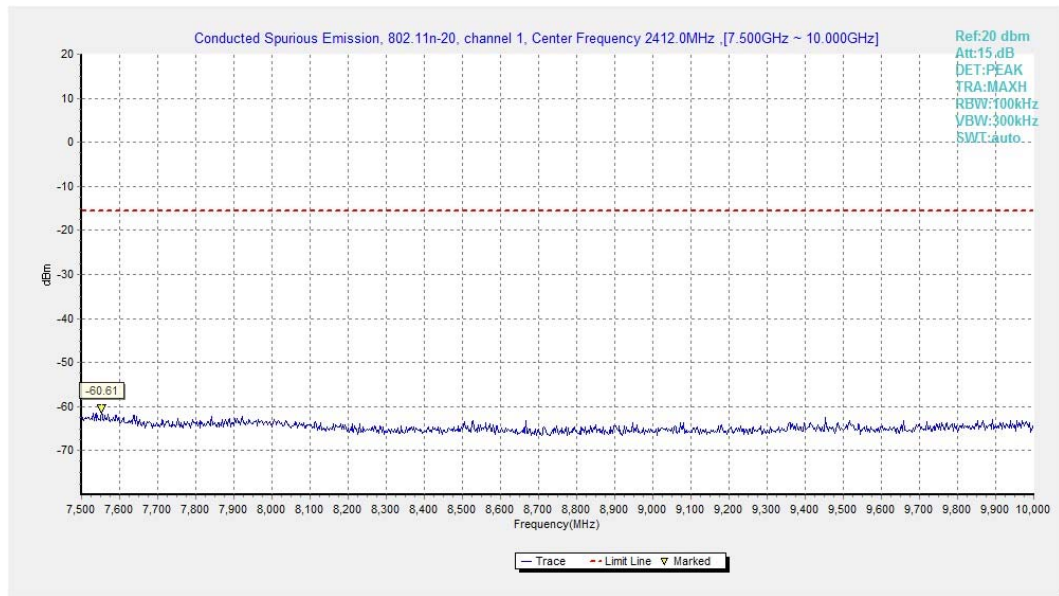
**Fig.A.6.1.50 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 30 MHz-1 GHz)**



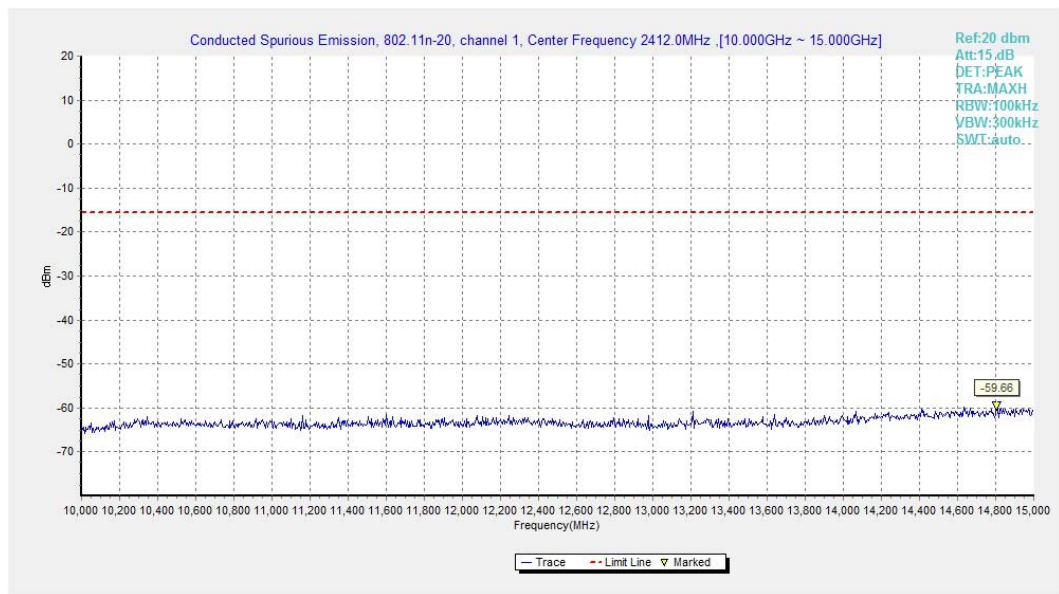
**Fig.A.6.1.51 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 1 GHz-2.5 GHz)**



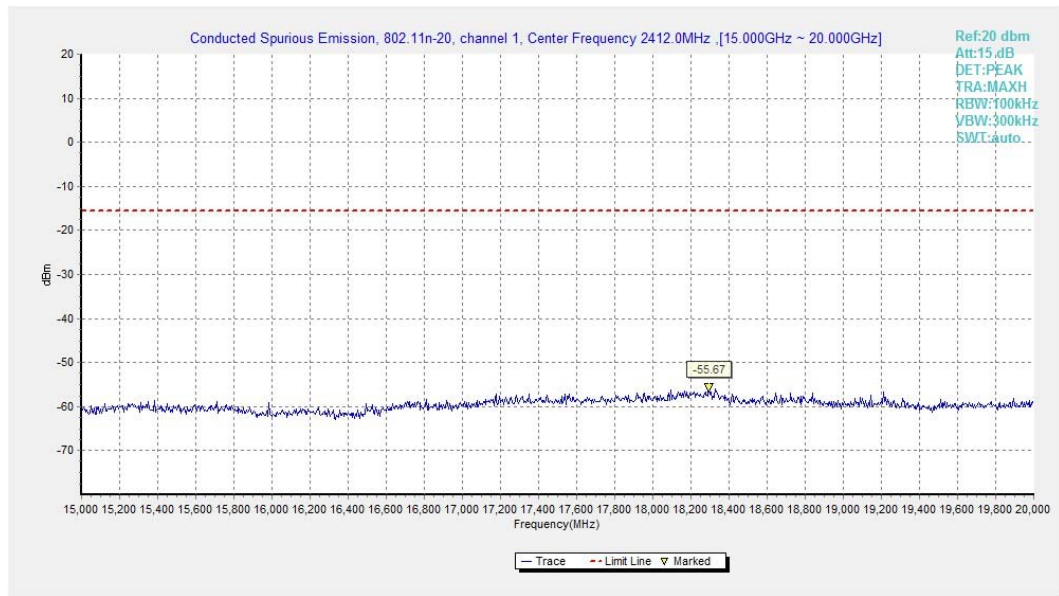
**Fig.A.6.1.52 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 2.5 GHz-7.5 GHz)**



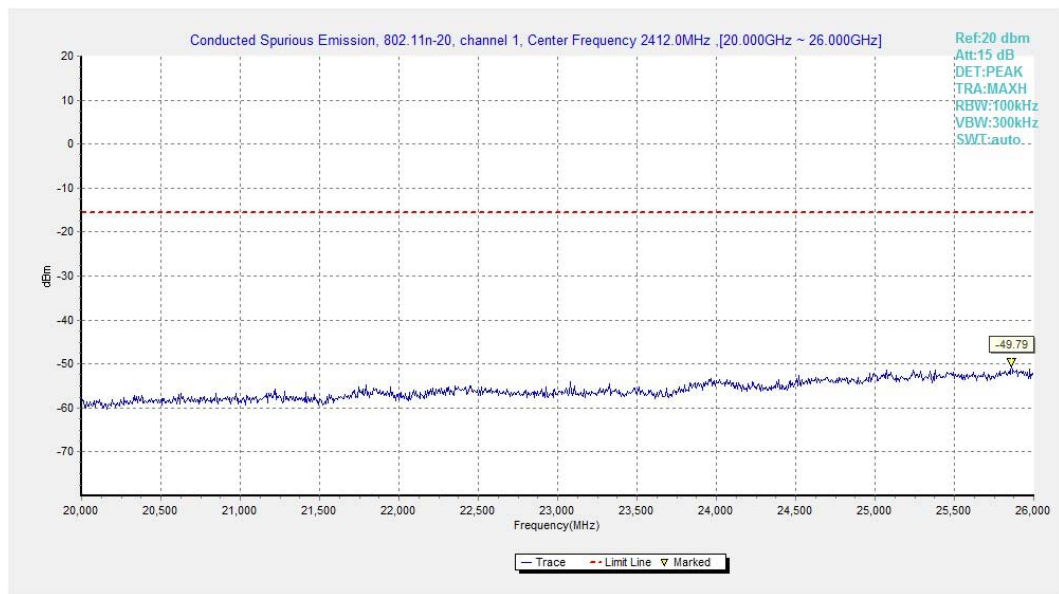
**Fig.A.6.1.53 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 7.5 GHz-10 GHz)**



**Fig.A.6.1.54 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 10 GHz-15 GHz)**

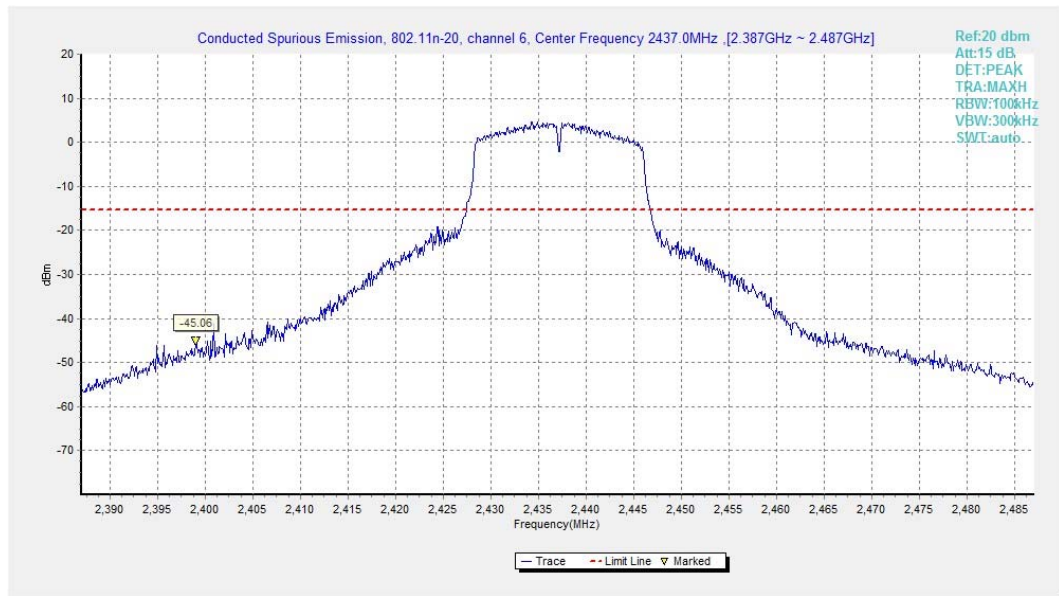


**Fig.A.6.1.55 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 15 GHz-20 GHz)**

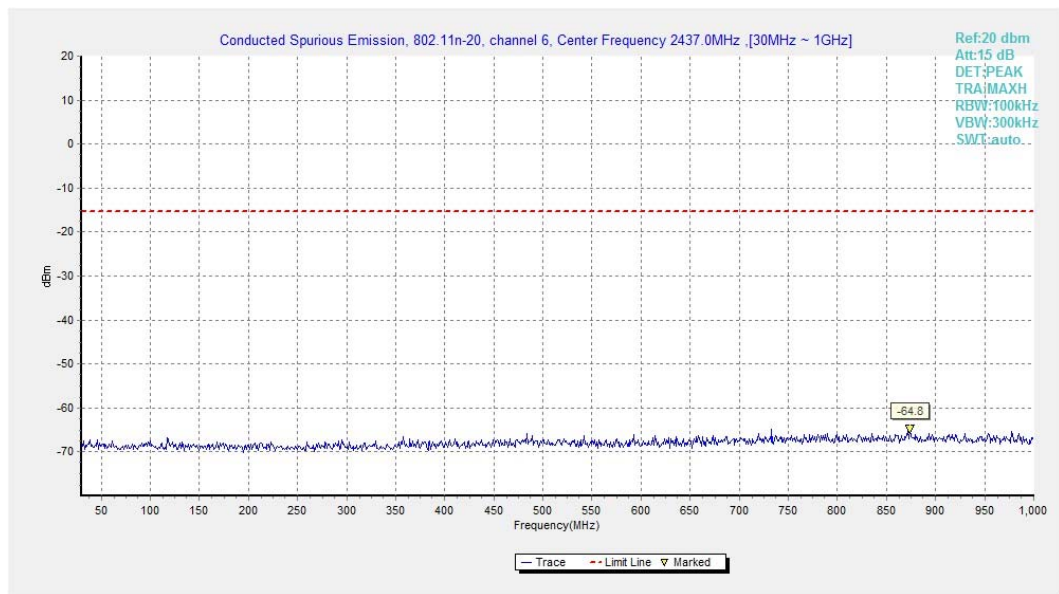


**Fig.A.6.1.56 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 20 GHz-26 GHz)**

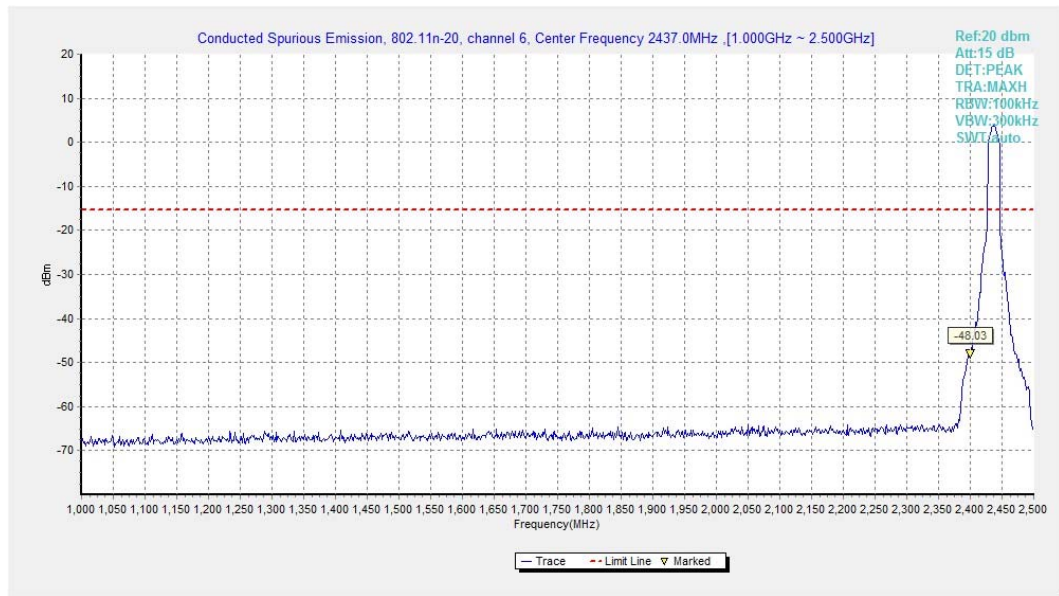




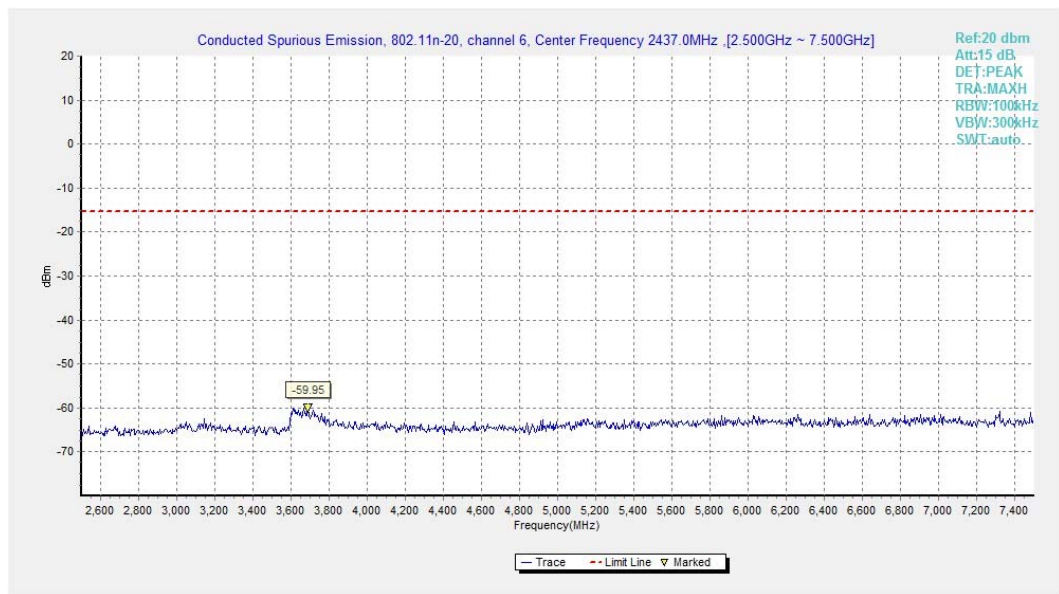
**Fig.A.6.1.57 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, Center Frequency)**



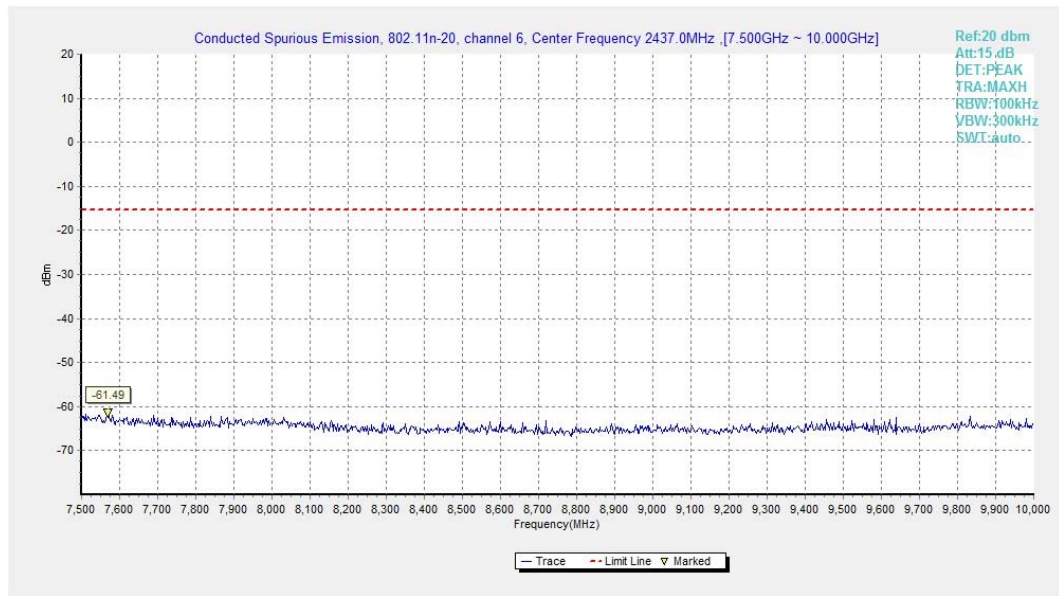
**Fig.A.6.1.58 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 30 MHz-1 GHz)**



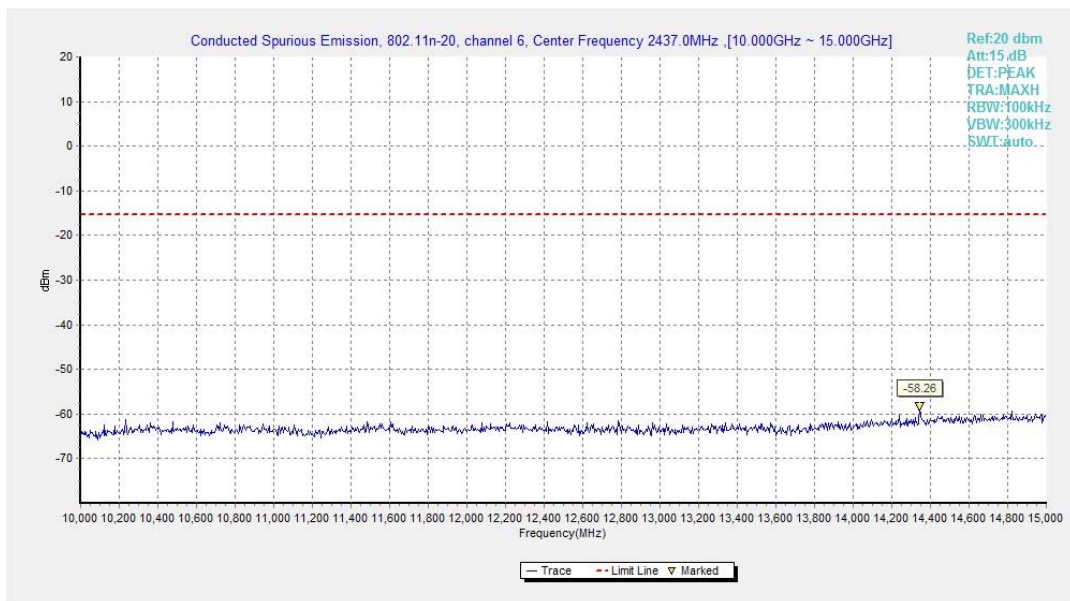
**Fig.A.6.1.59 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 1 GHz-2.5 GHz)**



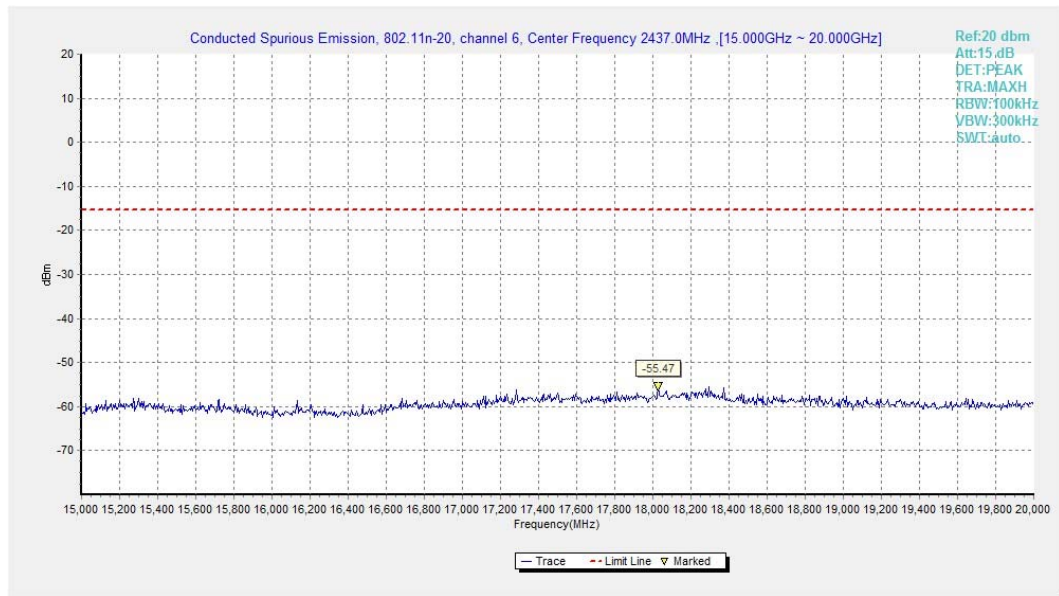
**Fig.A.6.1.60 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 2.5 GHz-7.5 GHz)**



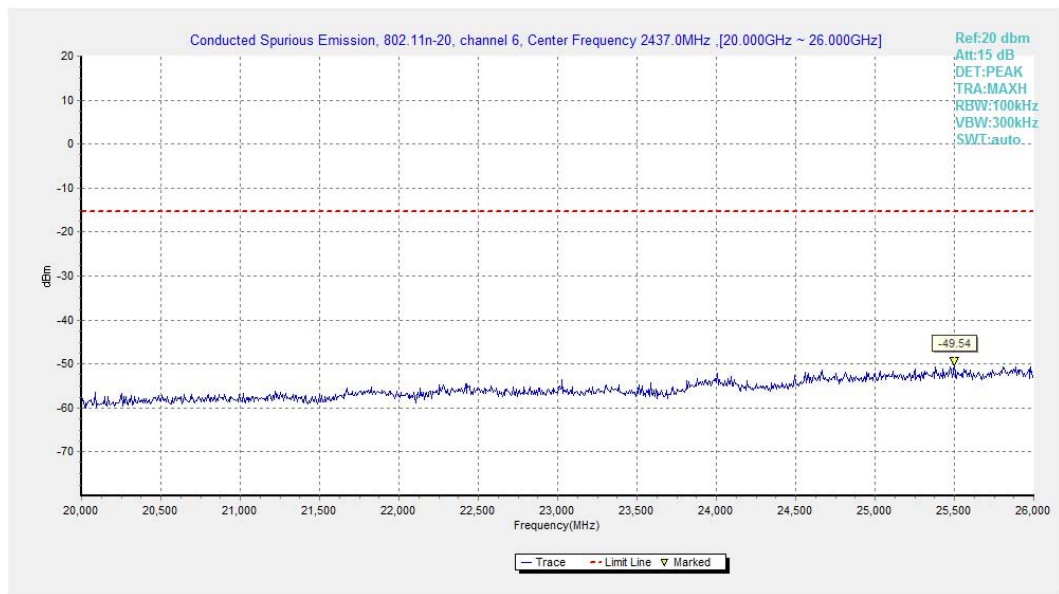
**Fig.A.6.1.61 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 7.5 GHz-10 GHz)**



**Fig.A.6.1.62 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 10 GHz-15 GHz)**

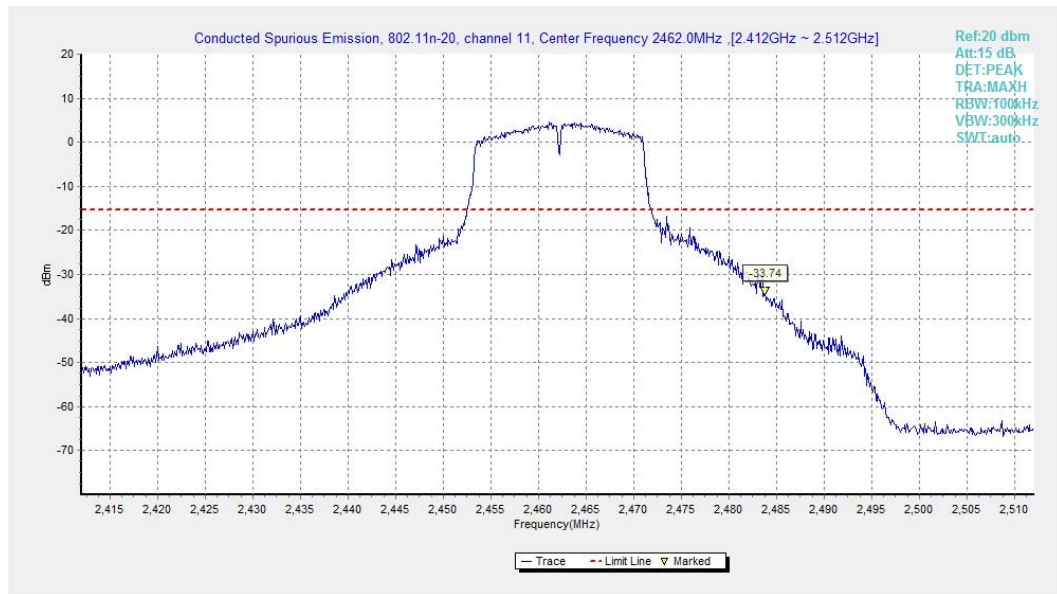


**Fig.A.6.1.63 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 15 GHz-20 GHz)**

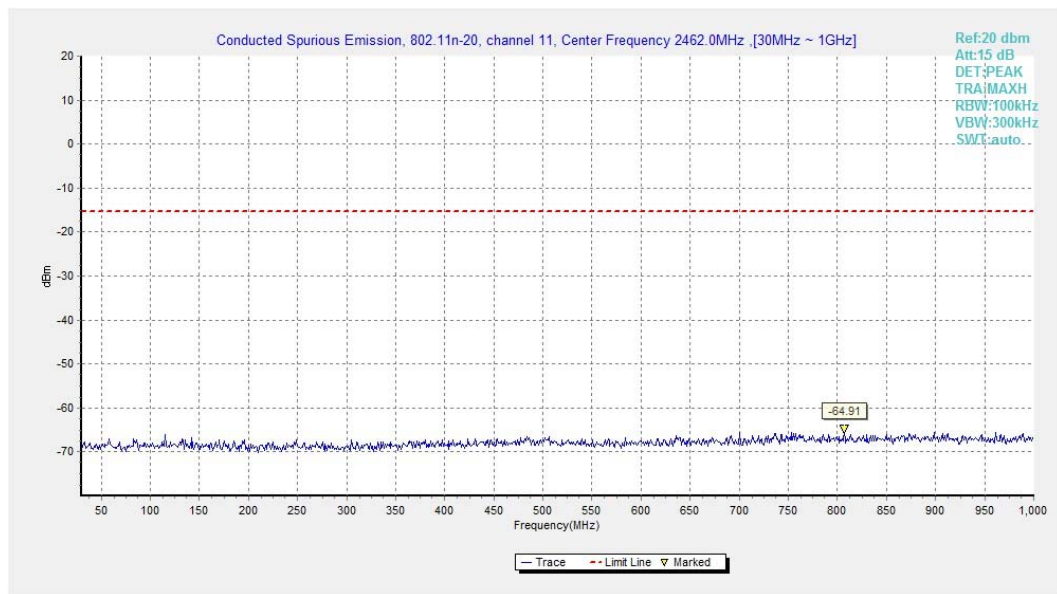


**Fig.A.6.1.64 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 20 GHz-26 GHz)**

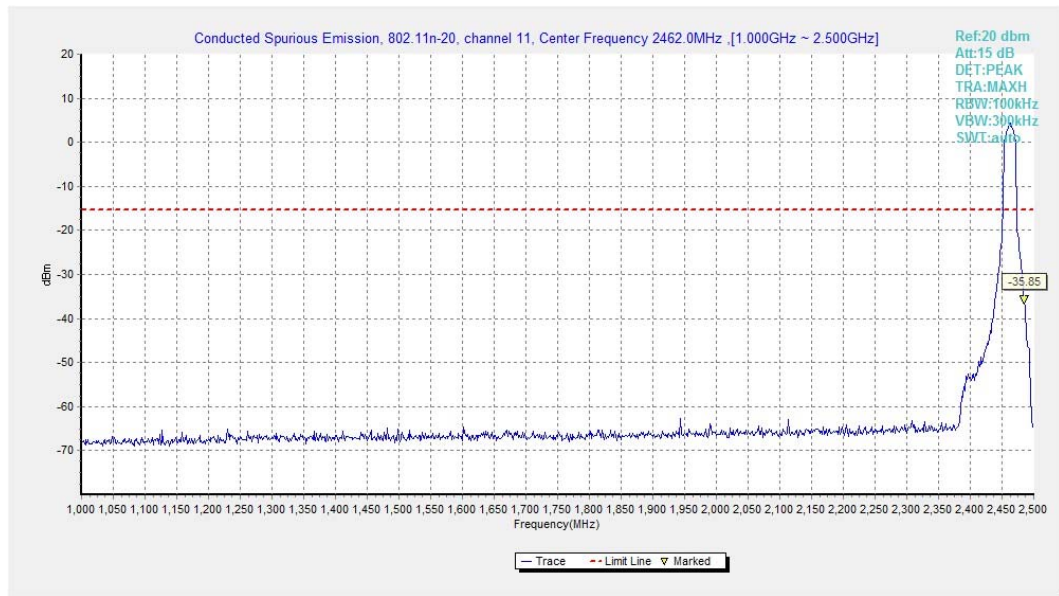




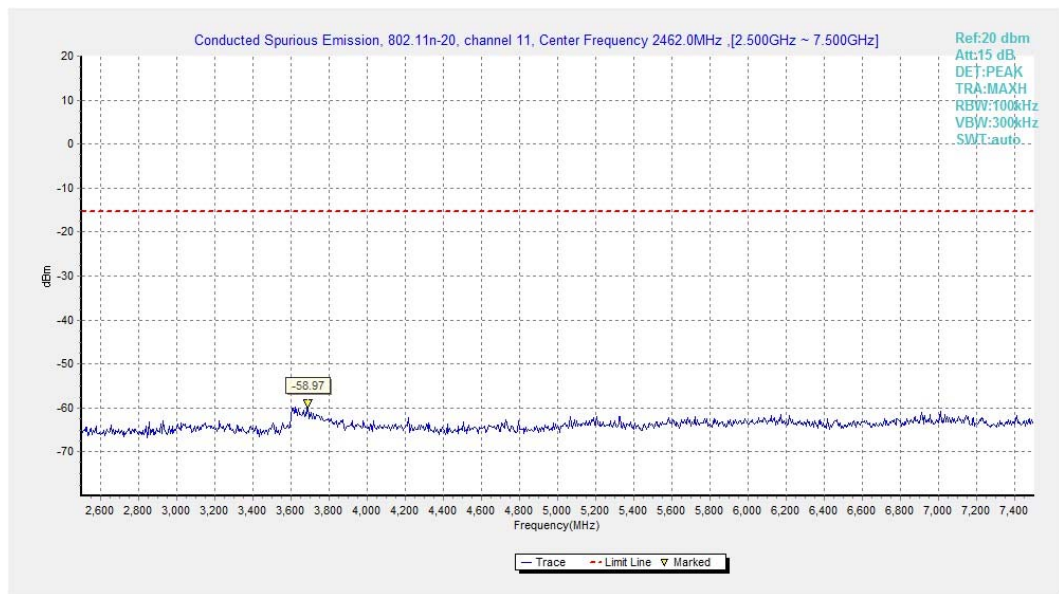
**Fig.A.6.1.65 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, Center Frequency)**



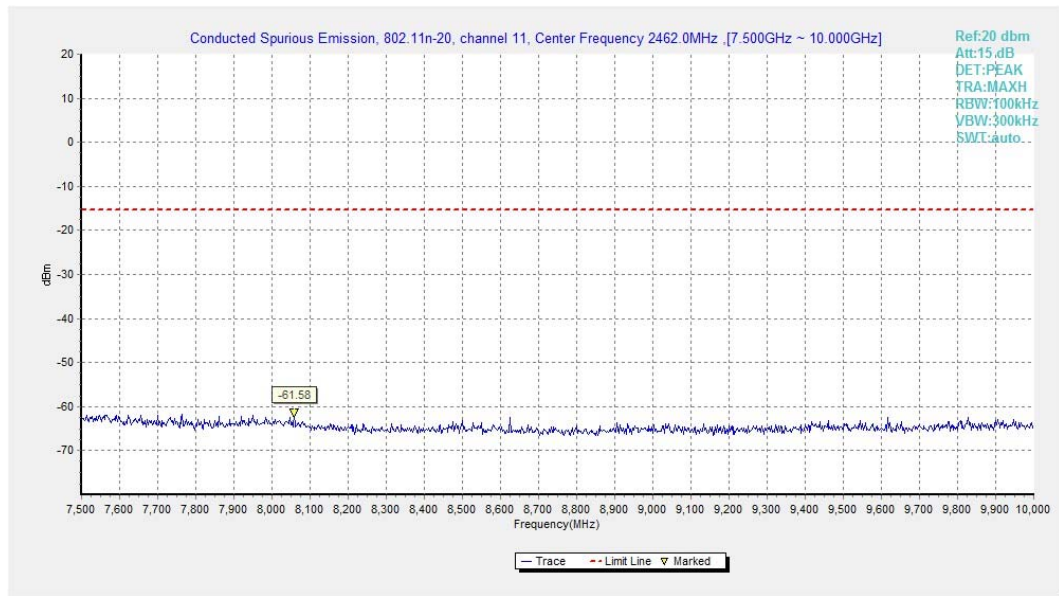
**Fig.A.6.1.66 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 30 MHz-1 GHz)**



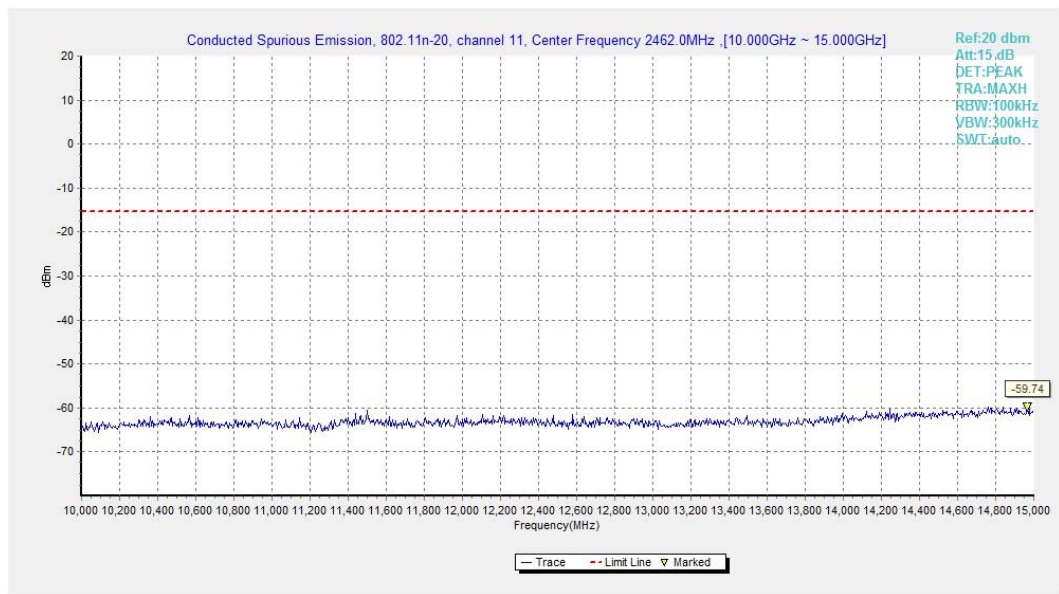
**Fig.A.6.1.67 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 1 GHz-2.5 GHz)**



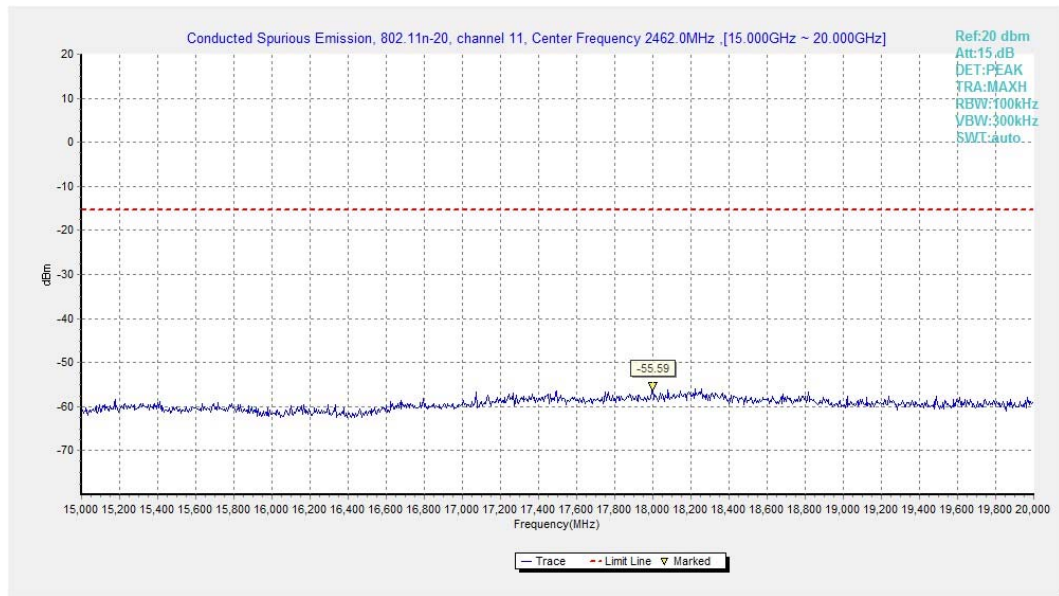
**Fig.A.6.1.68 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 2.5 GHz-7.5 GHz)**



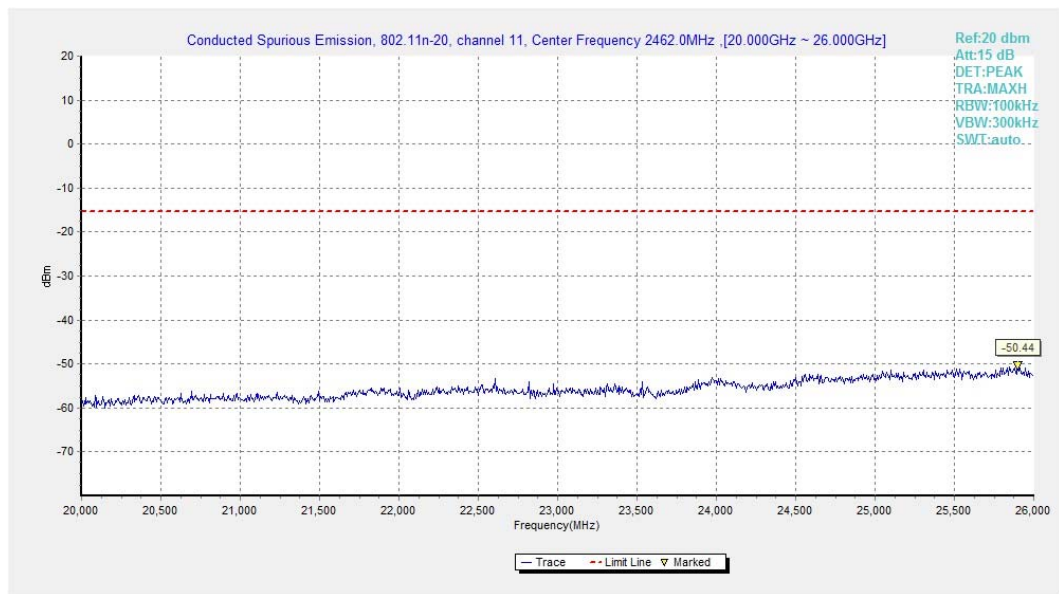
**Fig.A.6.1.69 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 7.5 GHz-10 GHz)**



**Fig.A.6.1.70 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 10 GHz-15 GHz)**

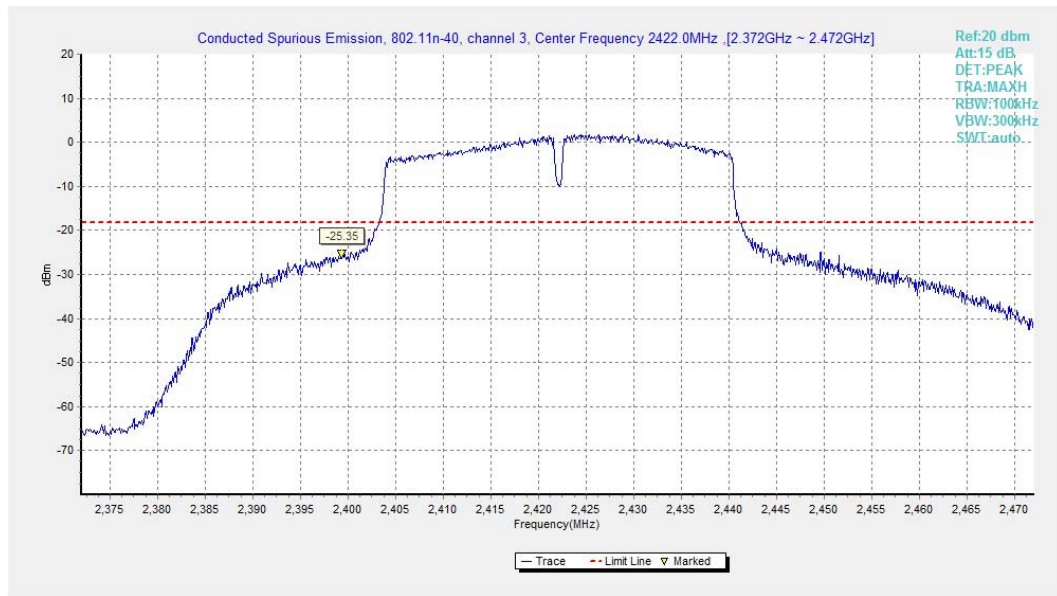


**Fig.A.6.1.71 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 15 GHz-20 GHz)**

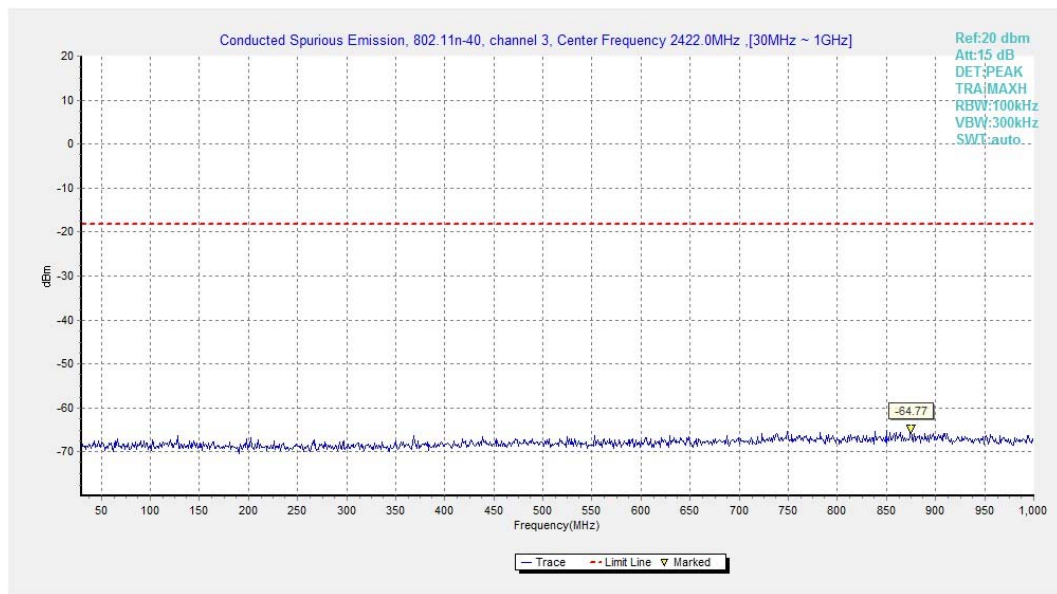


**Fig.A.6.1.72 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 20 GHz-26 GHz)**

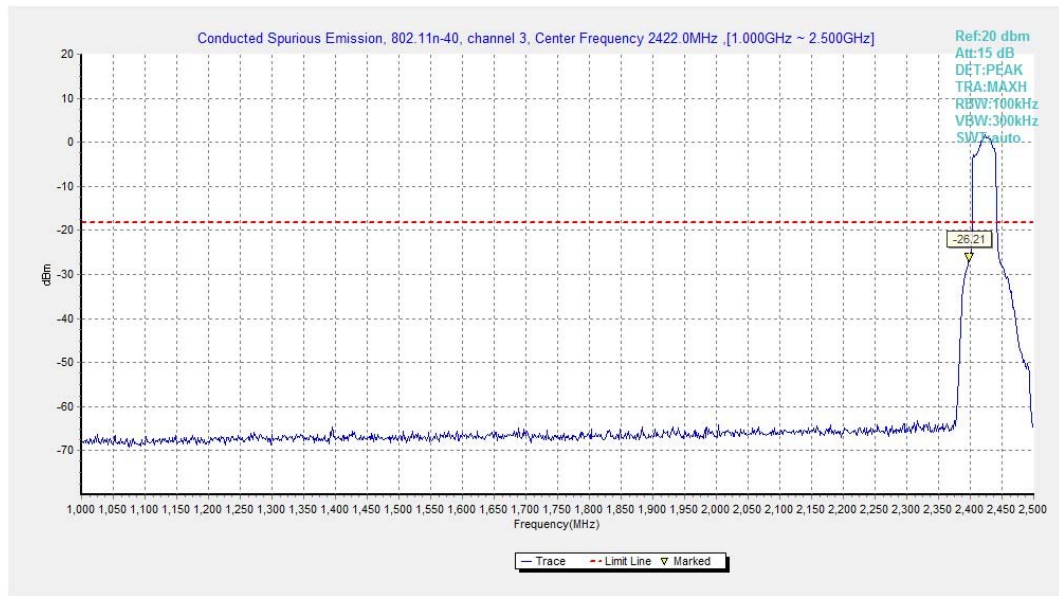




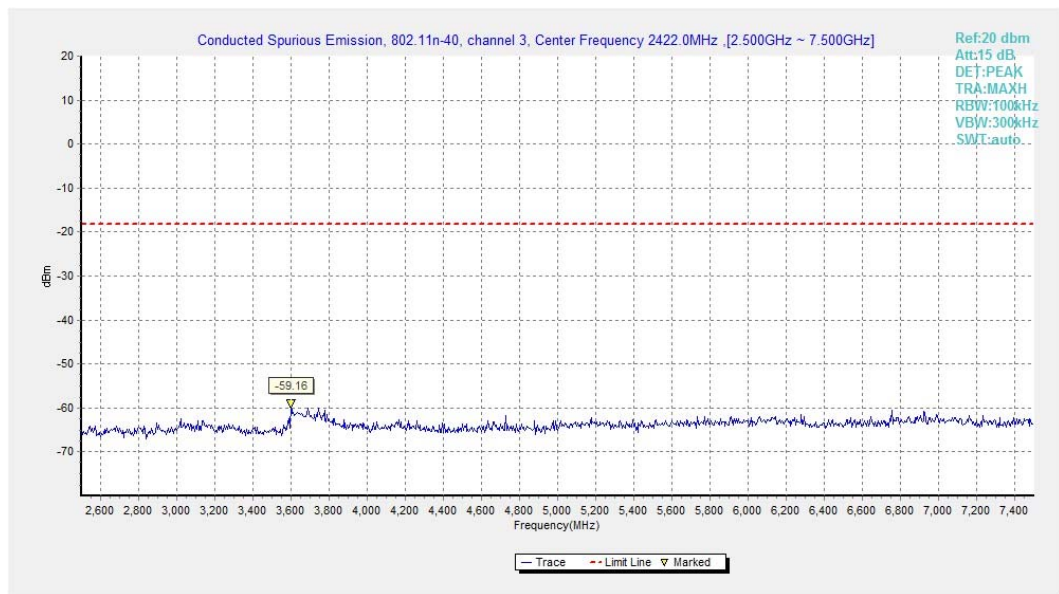
**Fig.A.6.1.73 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, Center Frequency)**



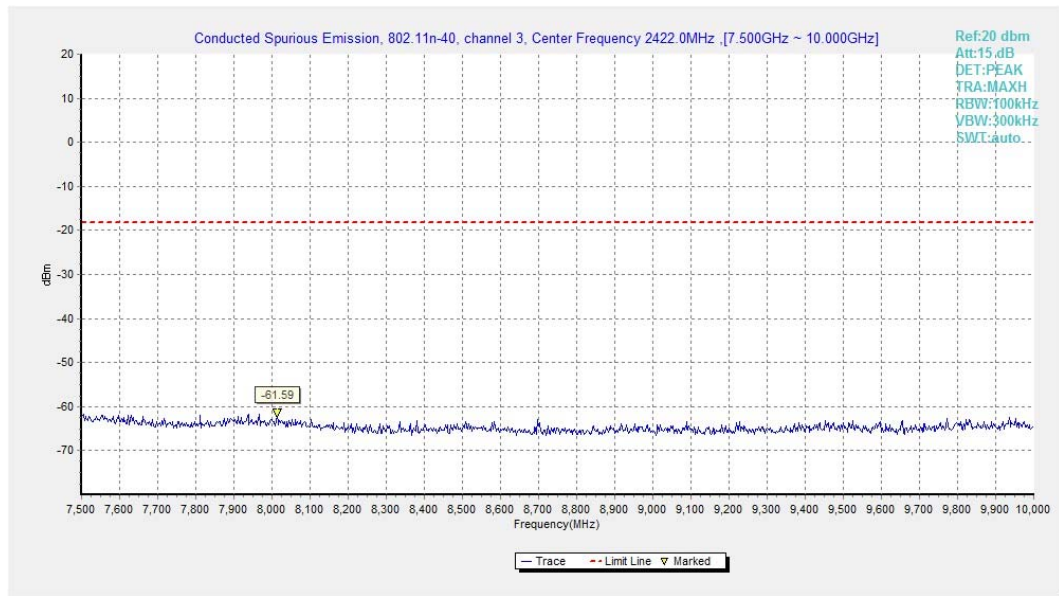
**Fig.A.6.1.74 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 30 MHz-1 GHz)**



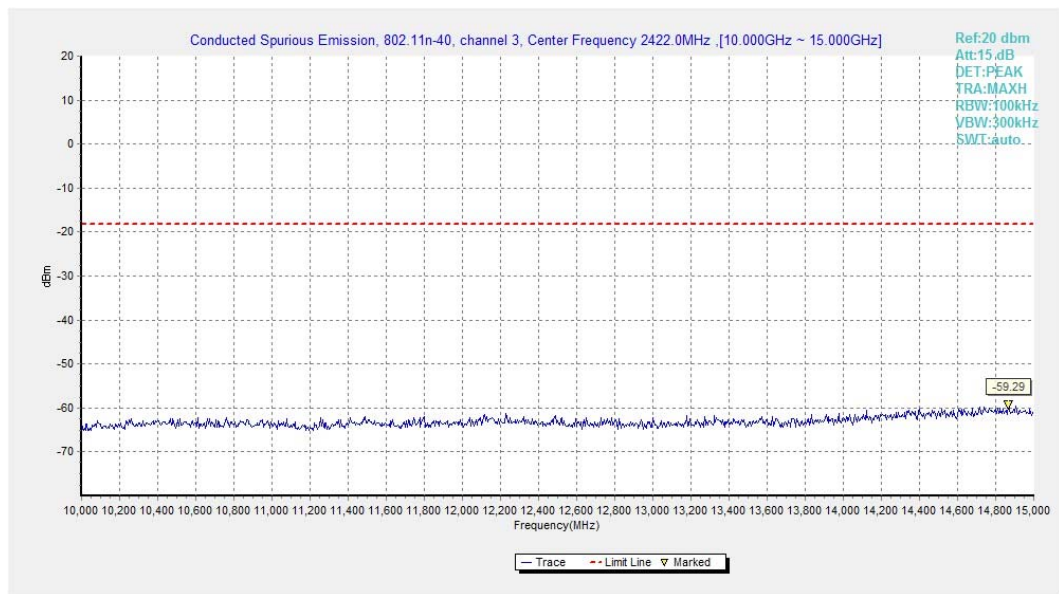
**Fig.A.6.1.75 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 1 GHz-2.5 GHz)**



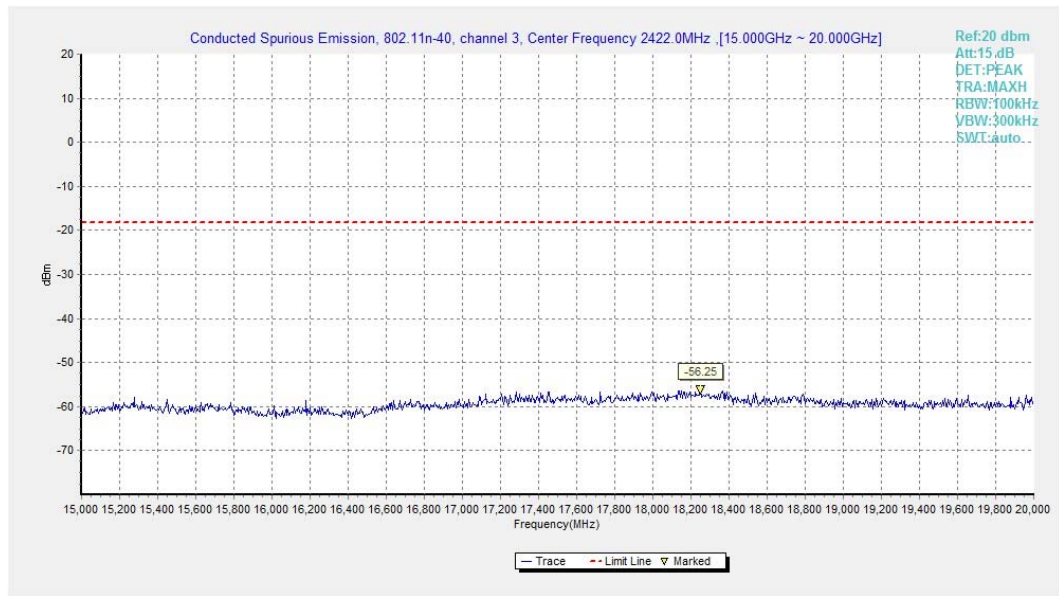
**Fig.A.6.1.76 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 2.5 GHz-7.5 GHz)**



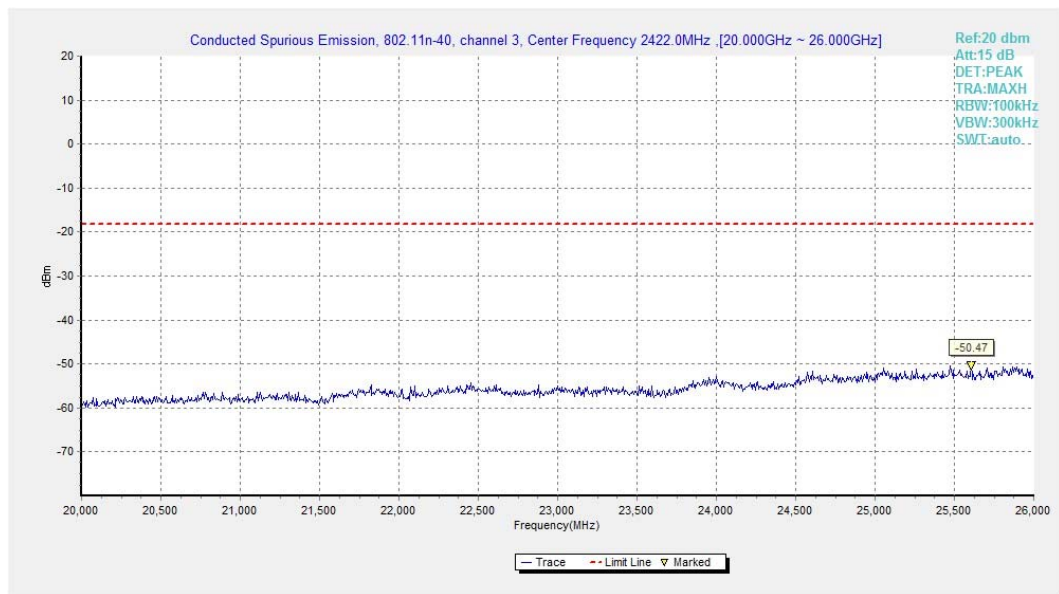
**Fig.A.6.1.77 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 7.5 GHz-10 GHz)**



**Fig.A.6.1.78 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 10 GHz-15 GHz)**

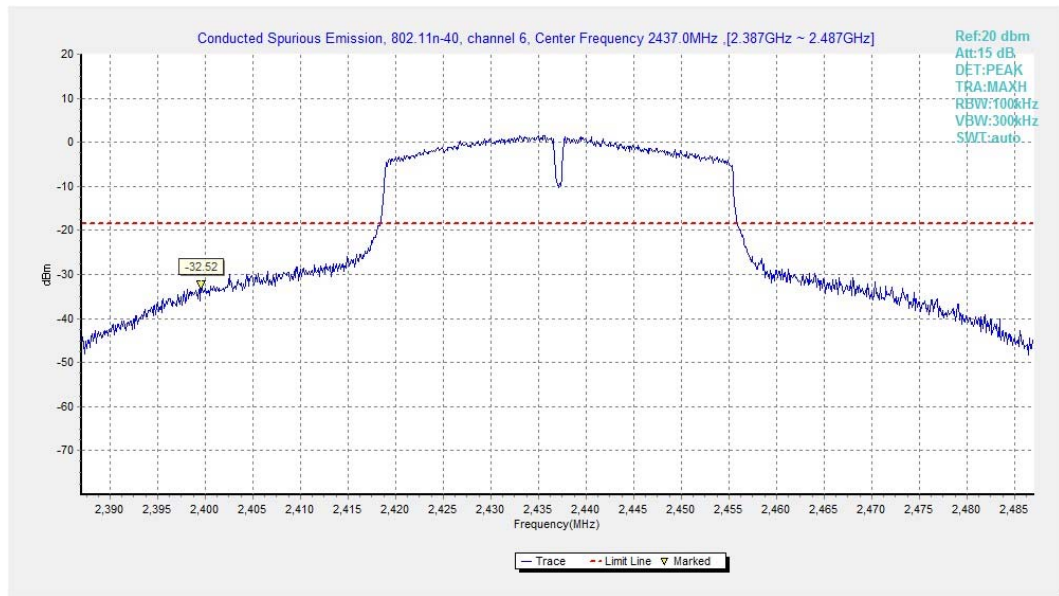


**Fig.A.6.1.79 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 15 GHz-20 GHz)**

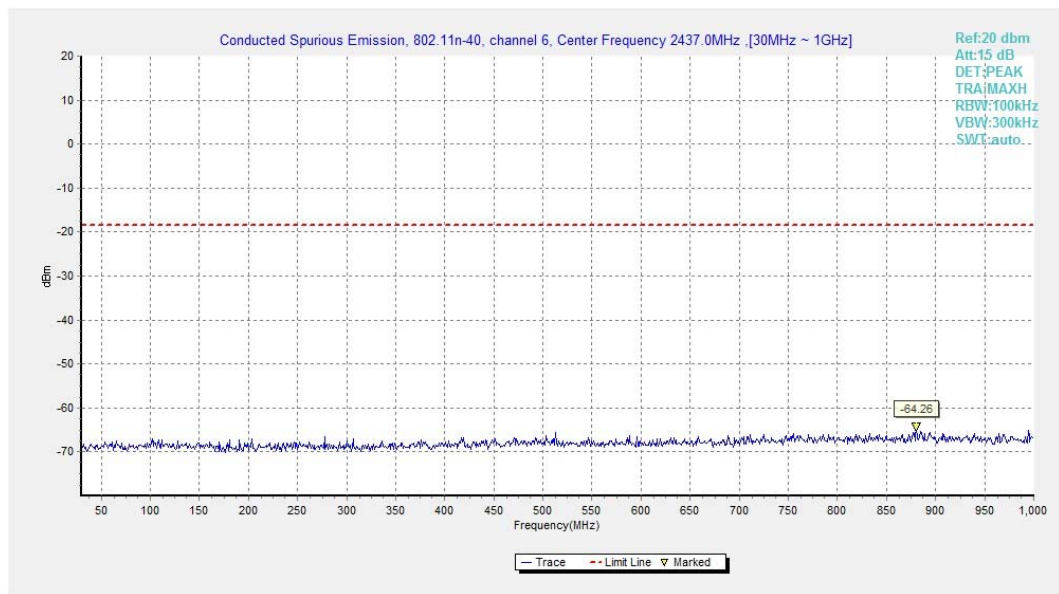


**Fig.A.6.1.80 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 20 GHz-26 GHz)**

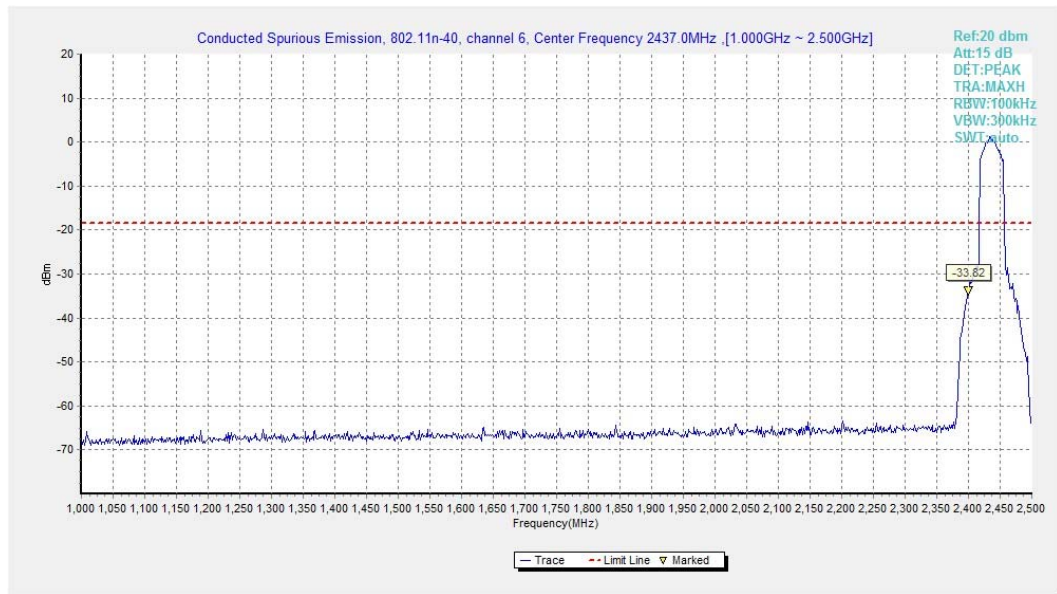




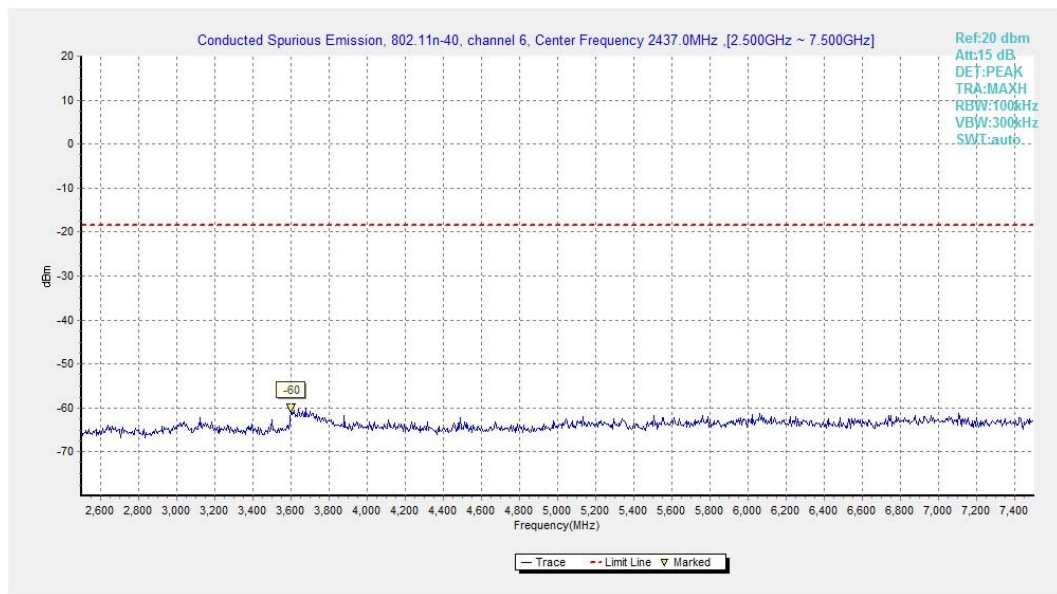
**Fig.A.6.1.81 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, Center Frequency)**



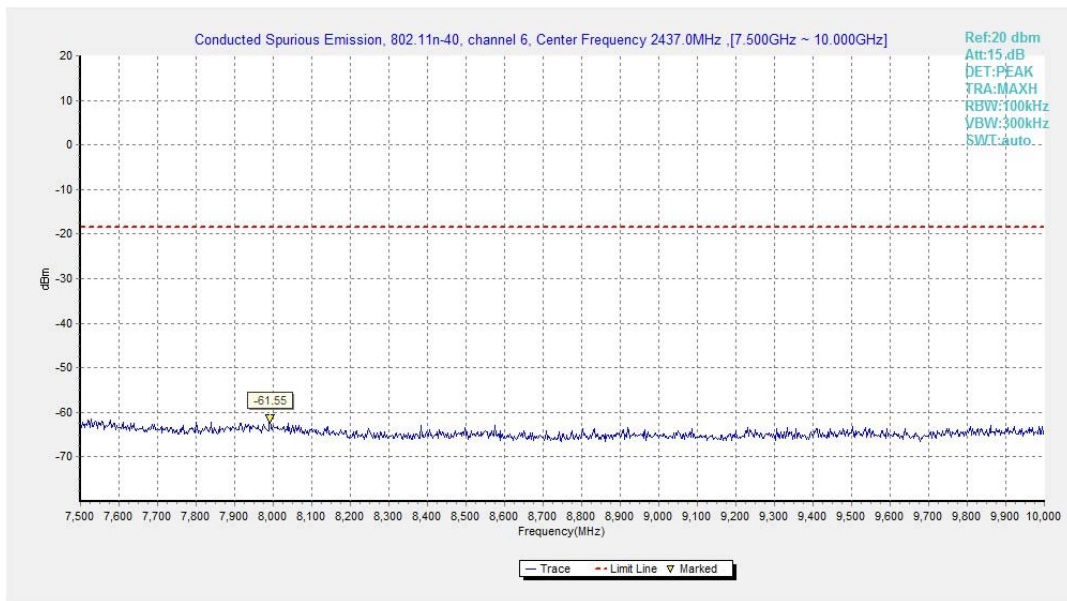
**Fig.A.6.1.82 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 30 MHz-1 GHz)**



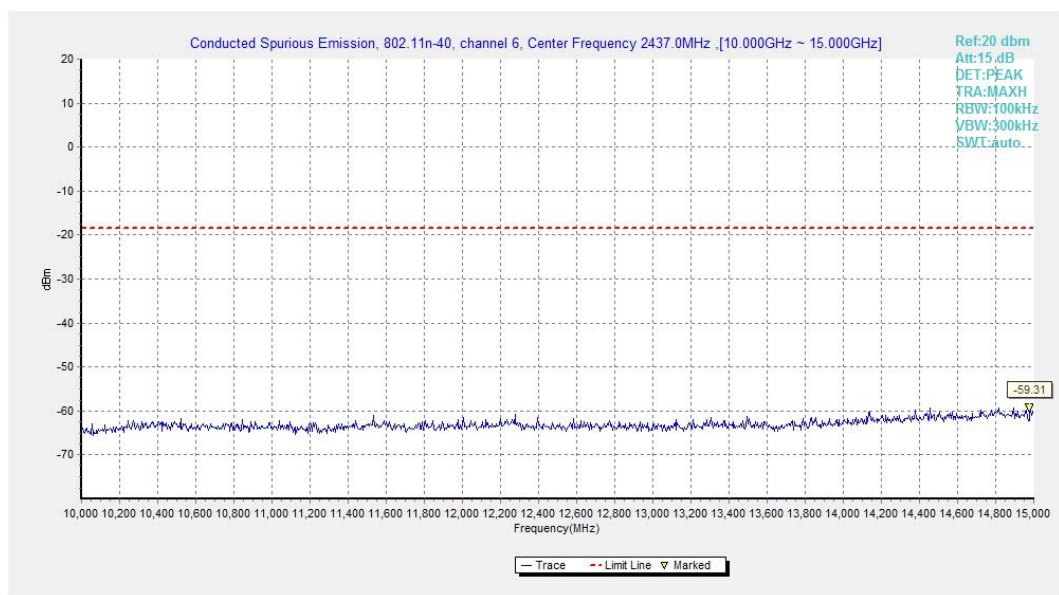
**Fig.A.6.1.83 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 1 GHz-2.5 GHz)**



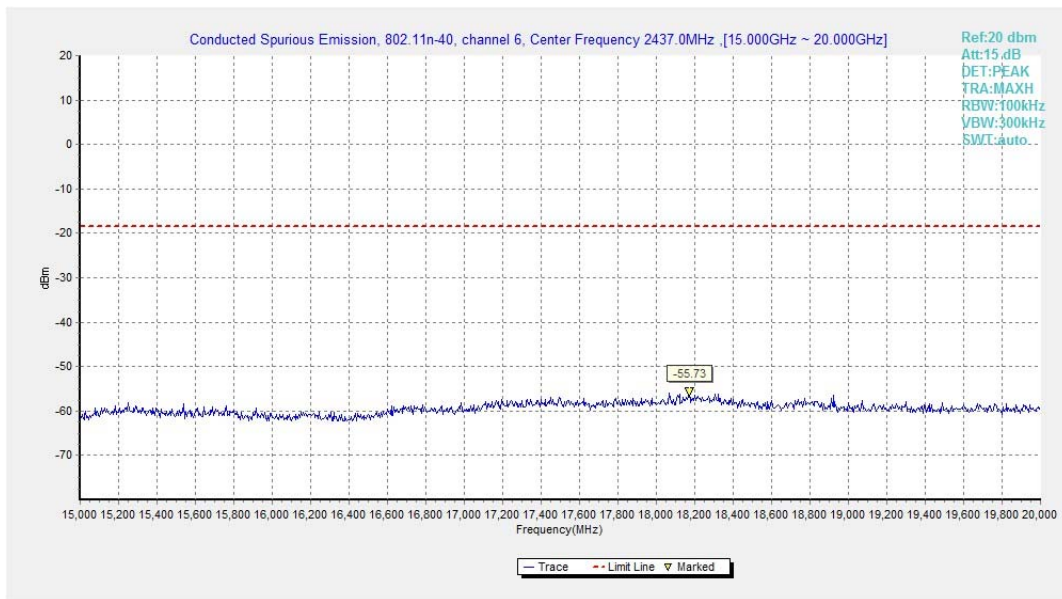
**Fig.A.6.1.84 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 2.5 GHz-7.5 GHz)**



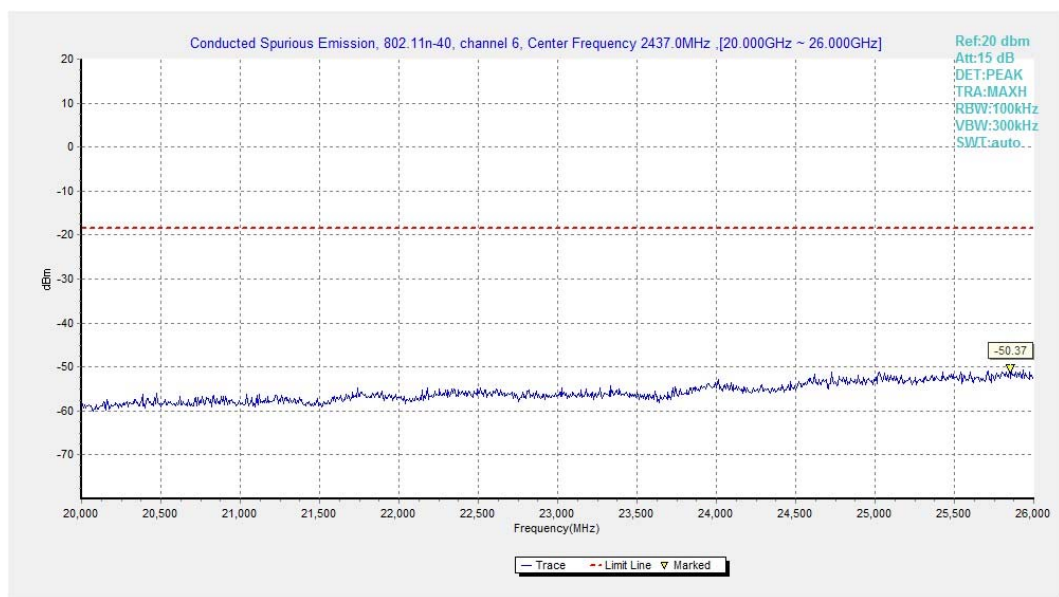
**Fig.A.6.1.85 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 7.5 GHz-10 GHz)**



**Fig.A.6.1.86 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 10 GHz-15 GHz)**

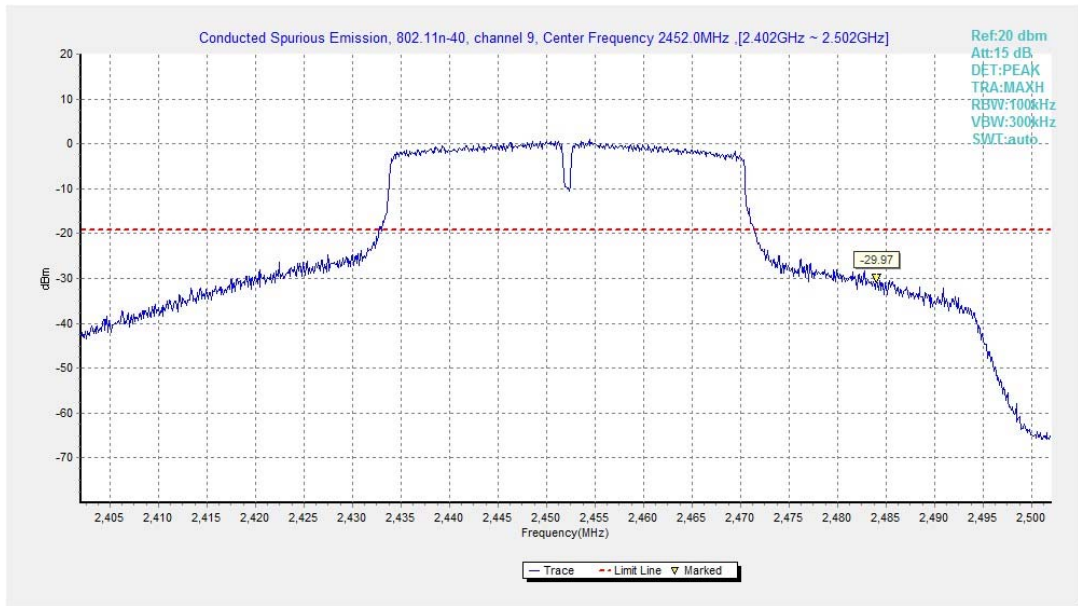


**Fig.A.6.1.87 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 15 GHz-20 GHz)**

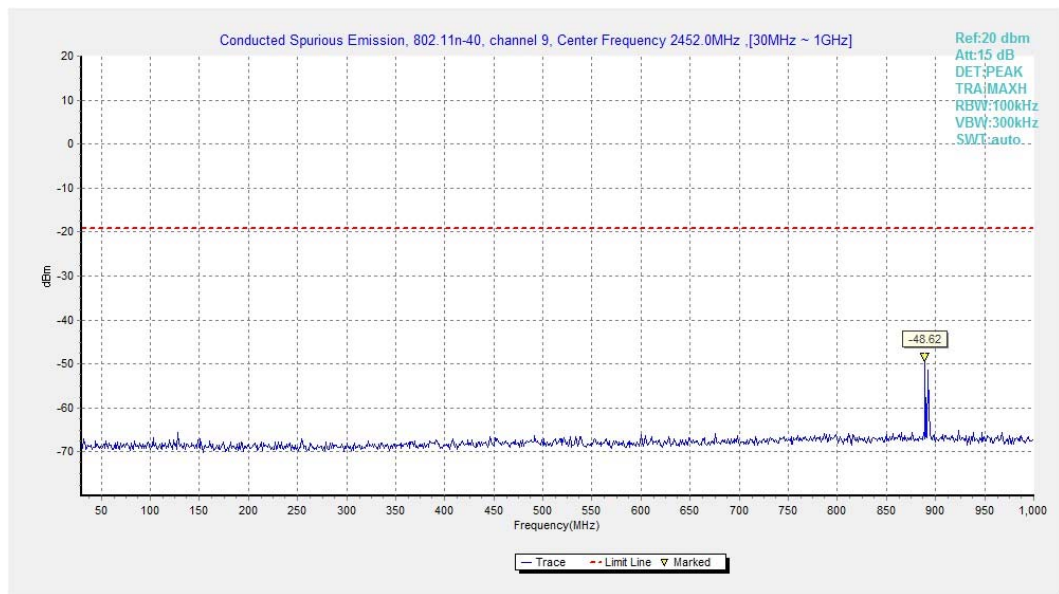


**Fig.A.6.1.88 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 20 GHz-26 GHz)**

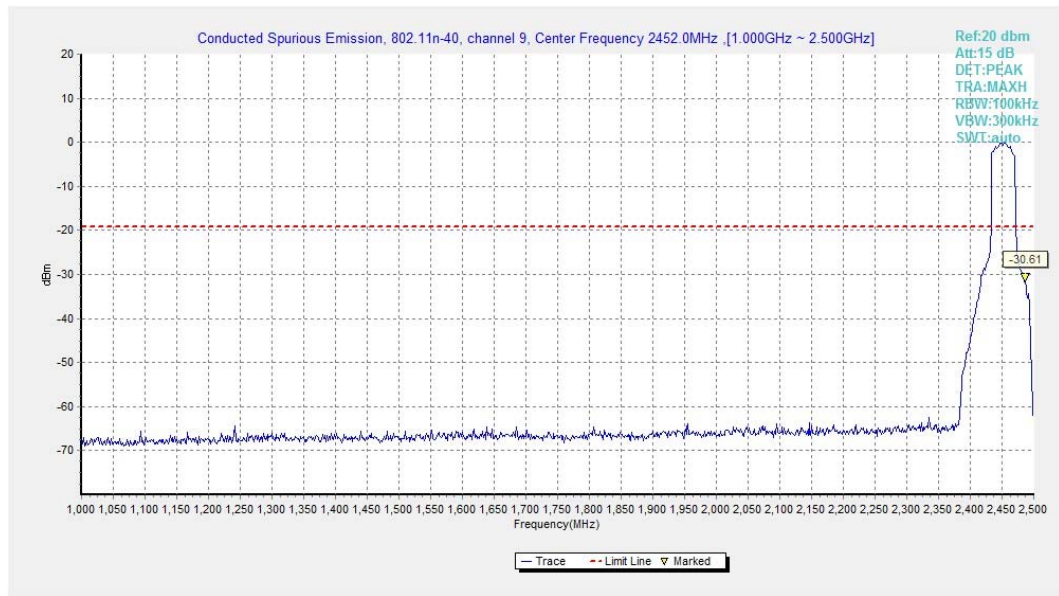




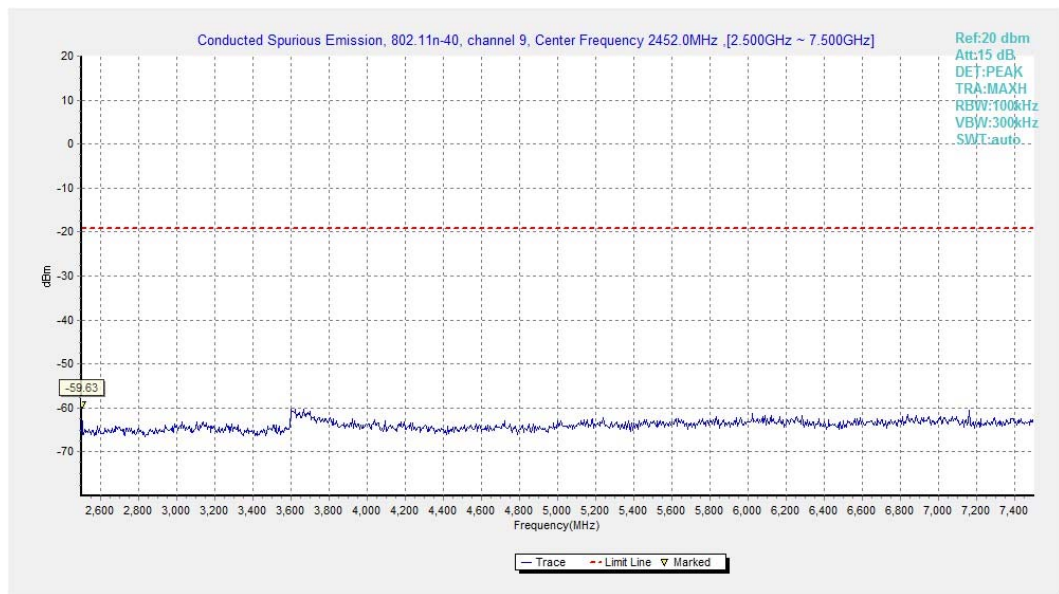
**Fig.A.6.1.89 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, Center Frequency)**



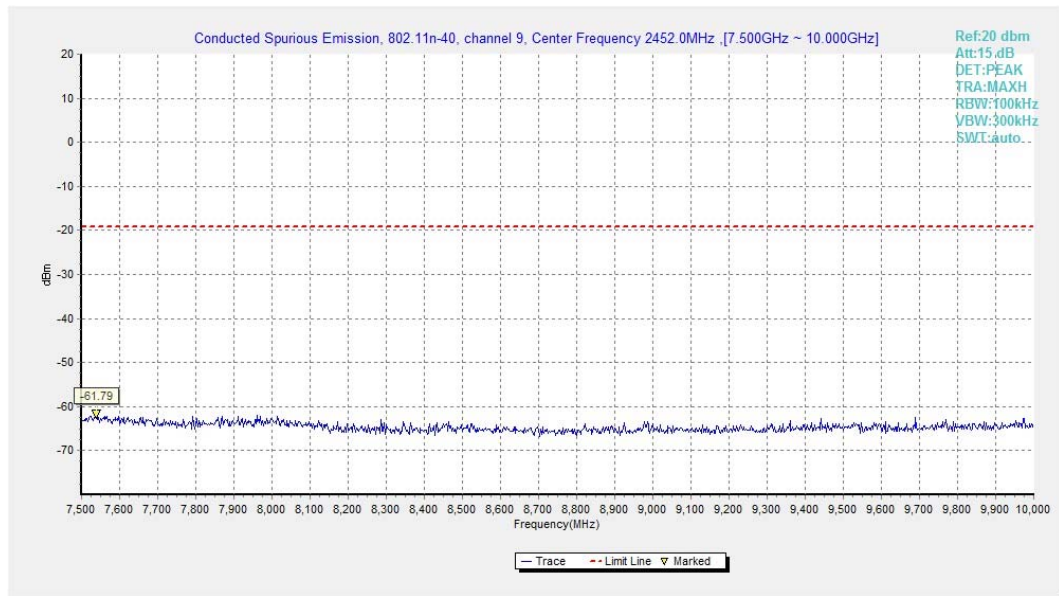
**Fig.A.6.1.90 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 30 MHz-1 GHz)**



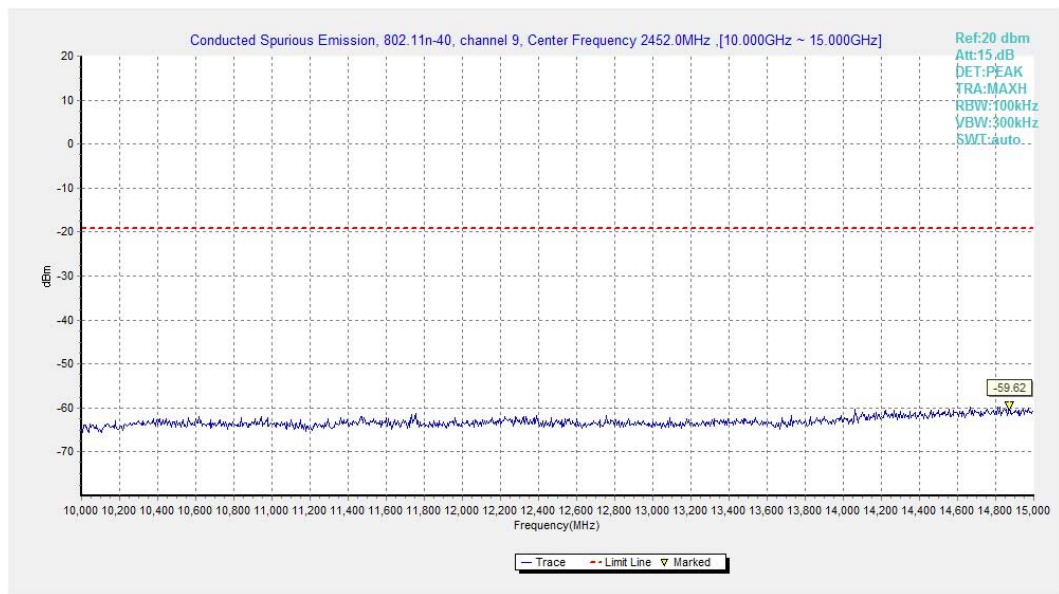
**Fig.A.6.1.91 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 1 GHz-2.5 GHz)**



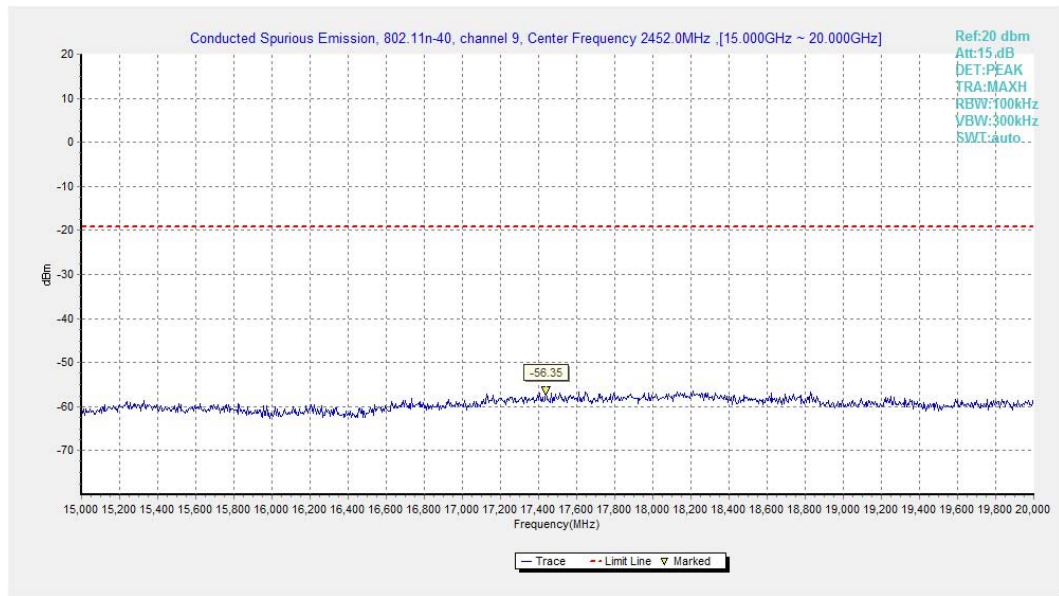
**Fig.A.6.1.92 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 2.5 GHz-7.5 GHz)**



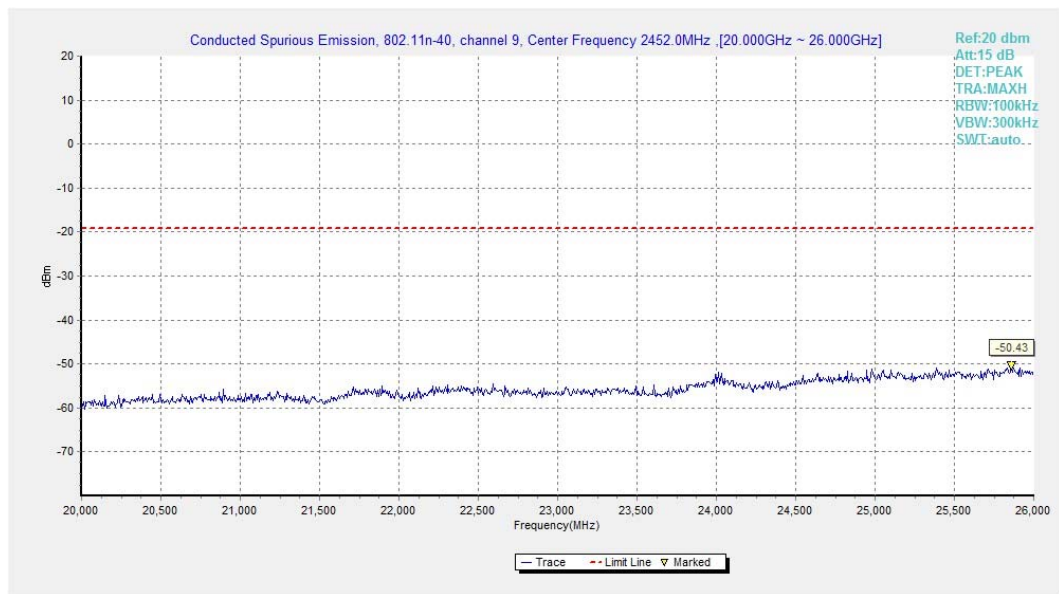
**Fig.A.6.1.93 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 7.5 GHz-10 GHz)**



**Fig.A.6.1.94 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 10 GHz-15 GHz)**



**Fig.A.6.1.95 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 15 GHz-20 GHz)**



**Fig.A.6.1.96 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 20 GHz-26 GHz)**



## A.6.2 Transmitter Spurious Emission - Radiated

**Method of Measurement:** See ANSI C63.10-2013-clause 6.4 & 6.5 & 6.6

**Measurement Limit:**

| Standard                               | Limit                        |
|--|------------------------------|
| FCC 47 CFR Part 15.247, 15.205, 15.209 | 20dB below peak output power |

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

**Limit in restricted band:**

| Frequency of emission (MHz) | Field strength (uV/m) | Field strength (dBuV/m) | Measurement distance (m) |
|-----------------------------|-----------------------|-------------------------|--------------------------|
| 30-88                       | 100                   | 40                      | 3                        |
| 88-216                      | 150                   | 43.5                    | 3                        |
| 216-960                     | 200                   | 46                      | 3                        |
| Above 960                   | 500                   | 54                      | 3                        |

| Frequency (MHz) | Field strength(μV/m) | Measurement distance (m) |
|-----------------|----------------------|--------------------------|
| 0.009 - 0.490   | 2400/F(kHz)          | 300                      |
| 0.490 - 1.705   | 24000/F(kHz)         | 30                       |
| 1.705 – 30.0    | 30                   | 30                       |

**Set up:**

Tabletop devices shall be placed on a nonconducting platform with nominal top surface dimensions 1 m by 1.5 m. For emissions testing at or below 1 GHz, the table height shall be 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m

The EUT and transmitting antenna shall be centered on the turntable.

**Test Procedure**

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated 360° and the measurement antenna is moved from 1m to 4m to get the maximization result. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

**The receiver references:**

| Frequency of emission (MHz) | RBW/VBW       | Sweep Time(s) |
|-----------------------------|---------------|---------------|
| 30-1000                     | 100kHz/300kHz | 5             |
| 1000-3000                   | 1MHz/3MHz     | 15            |
| 3000-18000                  | 1MHz/3MHz     | 40            |
| 18000-26500                 | 1MHz/3MHz     | 20            |

**Measurement results:**
**802.11b mode**

| Mode    | Channel | Frequency Range     | Test Results | Conclusion |
|---------|---------|---------------------|--------------|------------|
| 802.11b | 1       | 2.31GHz~2.43GHz---L | Fig.A.6.2.1  | <b>P</b>   |
|         | 11      | 2.45GHz~2.50GHz---H | Fig.A.6.2.2  | <b>P</b>   |

**802.11g mode**

| Mode    | Channel | Frequency Range     | Test Results | Conclusion |
|---------|---------|---------------------|--------------|------------|
| 802.11g | 1       | 2.31GHz~2.43GHz---L | Fig.A.6.2.3  | <b>P</b>   |
|         | 11      | 2.45GHz~2.50GHz---H | Fig.A.6.2.4  | <b>P</b>   |

**802.11n-HT20 mode**

| Mode              | Channel | Frequency Range     | Test Results | Conclusion |
|-------------------|---------|---------------------|--------------|------------|
| 802.11n<br>(HT20) | 1       | 2.31GHz~2.43GHz---L | Fig.A.6.2.5  | <b>P</b>   |
|                   | 11      | 2.45GHz~2.50GHz---H | Fig.A.6.2.6  | <b>P</b>   |

**802.11n-HT40 mode**

| Mode              | Channel | Frequency Range     | Test Results | Conclusion |
|-------------------|---------|---------------------|--------------|------------|
| 802.11n<br>(HT40) | 3       | 2.31GHz~2.43GHz---L | Fig.A.6.2.7  | <b>P</b>   |
|                   | 9       | 2.45GHz~2.50GHz---H | Fig.A.6.2.8  | <b>P</b>   |

**Conclusion: Pass**
**Note:**

1. A "reference path loss" is established and the  $A_{Rpl}$  is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

$P_{Mea}$  is the field strength recorded from the instrument.

The measurement results are obtained as described below:

Result= $P_{Mea}+A_{Rpl}= P_{Mea}+Cable Loss+Antenna Factor$

2. The range of evaluated frequency is from 9 kHz to 26GHz. Measurement value show only up to 6 maximum emissions noted.

**Peak**  
**802.11b**  
 Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2389.068        | 60.27                       | 5.35            | 32.25                 | 22.67                   | 74.00          | 13.73       | H                  |
| 2388.694        | 60.04                       | 5.35            | 32.24                 | 22.45                   | 74.00          | 13.96       | V                  |
| 4823.500        | 50.52                       | -35.01          | 34.10                 | 51.43                   | 74.00          | 23.48       | H                  |
| 7237.000        | 50.68                       | -32.58          | 35.87                 | 47.39                   | 74.00          | 23.32       | V                  |
| 9648.500        | 45.26                       | -32.03          | 36.90                 | 40.40                   | 74.00          | 28.74       | H                  |
| 12060.000       | 45.67                       | -31.70          | 38.82                 | 38.55                   | 74.00          | 28.33       | V                  |

Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2316.000        | 42.11                       | -29.92          | 31.93                 | 40.10                   | 74.00          | 31.89       | V                  |
| 2581.200        | 42.71                       | -29.46          | 32.26                 | 39.91                   | 74.00          | 31.29       | V                  |
| 4874.000        | 51.59                       | -34.27          | 34.15                 | 51.71                   | 74.00          | 22.41       | H                  |
| 7309.500        | 50.52                       | -32.61          | 35.96                 | 47.17                   | 74.00          | 23.48       | H                  |
| 9748.000        | 47.62                       | -32.22          | 36.90                 | 42.94                   | 74.00          | 26.38       | V                  |
| 12185.000       | 45.48                       | -31.20          | 39.07                 | 37.62                   | 74.00          | 28.52       | H                  |

Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2483.885        | 62.67                       | 5.46            | 32.60                 | 24.61                   | 74.00          | 11.33       | H                  |
| 2486.170        | 61.82                       | 5.46            | 32.60                 | 23.76                   | 74.00          | 12.18       | H                  |
| 4924.000        | 47.83                       | -34.61          | 34.25                 | 48.19                   | 74.00          | 26.17       | V                  |
| 7386.000        | 47.05                       | -32.60          | 35.80                 | 43.85                   | 74.00          | 26.95       | H                  |
| 9848.000        | 44.71                       | -32.52          | 37.00                 | 40.23                   | 74.00          | 29.29       | H                  |
| 12310.000       | 47.05                       | -31.03          | 38.91                 | 39.16                   | 74.00          | 26.95       | V                  |

**802.11g**

## Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2388.330        | 70.70                       | 5.35            | 32.24                 | 33.12                   | 74.00          | 3.30        | V                  |
| 2388.932        | 70.79                       | 5.35            | 32.25                 | 33.19                   | 74.00          | 3.21        | H                  |
| 4824.000        | 49.79                       | -35.00          | 34.10                 | 50.68                   | 74.00          | 24.21       | V                  |
| 7234.500        | 50.61                       | -32.59          | 35.87                 | 47.33                   | 74.00          | 23.39       | H                  |
| 9648.000        | 45.43                       | -32.04          | 36.90                 | 40.57                   | 74.00          | 28.57       | H                  |
| 12060.000       | 45.56                       | -31.70          | 38.82                 | 38.43                   | 74.00          | 28.44       | V                  |

## Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2301.200        | 51.23                       | -30.04          | 31.91                 | 49.36                   | 74.00          | 22.77       | H                  |
| 2626.600        | 41.32                       | -29.26          | 32.34                 | 38.24                   | 74.00          | 32.68       | H                  |
| 4874.000        | 50.43                       | -34.27          | 34.15                 | 50.55                   | 74.00          | 23.57       | H                  |
| 7311.000        | 49.05                       | -32.61          | 35.96                 | 45.70                   | 74.00          | 24.95       | V                  |
| 9748.000        | 45.69                       | -32.22          | 36.90                 | 41.01                   | 74.00          | 28.31       | H                  |
| 12185.000       | 45.76                       | -31.20          | 39.07                 | 37.89                   | 74.00          | 28.24       | H                  |

## Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2483.670        | 68.08                       | 5.46            | 32.60                 | 30.02                   | 74.00          | 5.92        | V                  |
| 2483.890        | 66.67                       | 5.46            | 32.60                 | 28.61                   | 74.00          | 7.33        | V                  |
| 4923.500        | 47.67                       | -34.61          | 34.25                 | 48.03                   | 74.00          | 26.33       | H                  |
| 7385.000        | 47.75                       | -32.60          | 35.80                 | 44.55                   | 74.00          | 26.25       | V                  |
| 9848.000        | 44.03                       | -32.52          | 37.00                 | 39.55                   | 74.00          | 29.97       | V                  |
| 12310.000       | 46.31                       | -31.03          | 38.91                 | 38.43                   | 74.00          | 27.69       | H                  |



**802.11n-HT20**

## Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2389.310        | 71.70                       | 5.35            | 32.25                 | 34.10                   | 74.00          | 2.30        | H                  |
| 2389.954        | 71.82                       | 5.35            | 32.26                 | 34.21                   | 74.00          | 2.18        | V                  |
| 4825.000        | 44.17                       | -34.98          | 34.10                 | 45.05                   | 74.00          | 29.83       | H                  |
| 7227.000        | 52.28                       | -32.61          | 35.85                 | 49.03                   | 74.00          | 21.72       | V                  |
| 9648.000        | 45.59                       | -32.04          | 36.90                 | 40.73                   | 74.00          | 28.41       | H                  |
| 12060.000       | 44.96                       | -31.70          | 38.82                 | 37.83                   | 74.00          | 29.04       | H                  |

## Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2323.800        | 41.61                       | -29.78          | 31.94                 | 39.45                   | 74.00          | 32.39       | V                  |
| 2554.400        | 42.76                       | -29.27          | 32.21                 | 39.83                   | 74.00          | 31.24       | H                  |
| 4876.000        | 43.92                       | -34.28          | 34.15                 | 44.05                   | 74.00          | 30.08       | V                  |
| 7316.000        | 50.81                       | -32.61          | 35.94                 | 47.48                   | 74.00          | 23.19       | H                  |
| 9669.500        | 46.81                       | -31.99          | 36.86                 | 41.94                   | 74.00          | 27.19       | V                  |
| 12185.000       | 45.64                       | -31.20          | 39.07                 | 37.77                   | 74.00          | 28.36       | H                  |

## Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2483.740        | 69.15                       | 5.46            | 32.60                 | 31.09                   | 74.00          | 4.85        | H                  |
| 2484.025        | 70.19                       | 5.46            | 32.60                 | 32.13                   | 74.00          | 3.81        | H                  |
| 4924.000        | 42.19                       | -34.61          | 34.25                 | 42.56                   | 74.00          | 31.81       | V                  |
| 7373.500        | 46.20                       | -32.60          | 35.80                 | 43.00                   | 74.00          | 27.80       | V                  |
| 9848.000        | 44.59                       | -32.52          | 37.00                 | 40.12                   | 74.00          | 29.41       | H                  |
| 12310.000       | 47.40                       | -31.03          | 38.91                 | 39.51                   | 74.00          | 26.60       | V                  |

**802.11n-HT40**

## Ch3

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2389.072        | 67.65                       | 5.35            | 32.25                 | 30.05                   | 74.00          | 6.35        | V                  |
| 2389.716        | 66.72                       | 5.35            | 32.26                 | 29.11                   | 74.00          | 7.28        | V                  |
| 4859.500        | 44.43                       | -34.31          | 34.12                 | 44.62                   | 74.00          | 29.57       | V                  |
| 7278.500        | 46.44                       | -32.59          | 35.96                 | 43.07                   | 74.00          | 27.56       | H                  |
| 9688.000        | 44.44                       | -32.04          | 36.82                 | 39.66                   | 74.00          | 29.56       | V                  |
| 12110.000       | 47.15                       | -31.49          | 38.92                 | 39.72                   | 74.00          | 26.85       | H                  |

## Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2271.800        | 42.31                       | -30.04          | 31.89                 | 40.47                   | 74.00          | 31.69       | V                  |
| 2578.400        | 44.07                       | -29.48          | 32.25                 | 41.30                   | 74.00          | 29.93       | H                  |
| 4861.500        | 43.92                       | -34.27          | 34.12                 | 44.07                   | 74.00          | 30.08       | V                  |
| 7316.000        | 45.39                       | -32.61          | 35.94                 | 42.07                   | 74.00          | 28.61       | V                  |
| 9748.000        | 43.90                       | -32.22          | 36.90                 | 39.22                   | 74.00          | 30.10       | V                  |
| 12185.000       | 45.24                       | -31.20          | 39.07                 | 37.37                   | 74.00          | 28.76       | V                  |

## Ch9

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2484.120        | 69.38                       | 5.46            | 32.60                 | 31.31                   | 74.00          | 4.62        | H                  |
| 2484.595        | 69.95                       | 5.46            | 32.60                 | 31.89                   | 74.00          | 4.05        | H                  |
| 4909.500        | 42.89                       | -34.52          | 34.22                 | 43.19                   | 74.00          | 31.11       | V                  |
| 7356.000        | 43.04                       | -32.60          | 35.80                 | 39.84                   | 74.00          | 30.96       | V                  |
| 9808.000        | 44.24                       | -32.40          | 37.00                 | 39.64                   | 74.00          | 29.76       | V                  |
| 12260.000       | 45.74                       | -30.95          | 38.98                 | 37.71                   | 74.00          | 28.26       | V                  |

**Average**
**802.11b**

## Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2386.425        | 46.12                       | 5.34            | 32.21                 | 8.56                    | 54.00          | 7.88        | V                  |
| 2387.625        | 46.18                       | 5.35            | 32.23                 | 8.61                    | 54.00          | 7.82        | V                  |
| 4823.900        | 45.13                       | -35.00          | 34.10                 | 46.03                   | 54.00          | 8.87        | V                  |
| 7235.075        | 44.59                       | -32.59          | 35.87                 | 41.30                   | 54.00          | 9.41        | H                  |
| 9647.875        | 35.25                       | -32.04          | 36.90                 | 30.38                   | 54.00          | 18.75       | H                  |
| 12060.025       | 33.71                       | -31.70          | 38.82                 | 26.58                   | 54.00          | 20.29       | V                  |

## Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2400.975        | 48.14                       | 5.38            | 32.40                 | 10.36                   | 54.00          | 5.86        | V                  |
| 2465.250        | 49.77                       | 5.44            | 32.60                 | 11.74                   | 54.00          | 4.23        | V                  |
| 4874.000        | 48.80                       | -34.27          | 34.15                 | 48.92                   | 54.00          | 5.20        | V                  |
| 7311.750        | 41.56                       | -32.61          | 35.95                 | 38.22                   | 54.00          | 12.44       | H                  |
| 9748.000        | 40.42                       | -32.22          | 36.90                 | 35.74                   | 54.00          | 13.58       | V                  |
| 12156.500       | 34.25                       | -31.30          | 39.01                 | 26.54                   | 54.00          | 19.75       | H                  |

## Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2483.512        | 49.61                       | 5.46            | 32.60                 | 11.55                   | 54.00          | 4.39        | V                  |
| 2486.625        | 49.51                       | 5.46            | 32.60                 | 11.44                   | 54.00          | 4.49        | V                  |
| 4924.000        | 43.72                       | -34.61          | 34.25                 | 44.08                   | 54.00          | 10.28       | V                  |
| 7385.225        | 40.34                       | -32.60          | 35.80                 | 37.14                   | 54.00          | 13.66       | H                  |
| 9848.075        | 33.05                       | -32.52          | 37.00                 | 28.57                   | 54.00          | 20.95       | H                  |
| 12309.950       | 34.59                       | -31.02          | 38.91                 | 26.70                   | 54.00          | 19.41       | V                  |

**802.11g**

## Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2389.838        | 47.69                       | 5.35            | 32.26                 | 10.08                   | 54.00          | 6.31        | V                  |
| 2389.950        | 47.75                       | 5.35            | 32.26                 | 10.14                   | 54.00          | 6.25        | V                  |
| 4823.800        | 45.10                       | -35.00          | 34.10                 | 46.00                   | 54.00          | 8.90        | V                  |
| 7235.075        | 43.48                       | -32.59          | 35.87                 | 40.20                   | 54.00          | 10.52       | V                  |
| 9647.875        | 34.36                       | -32.04          | 36.90                 | 29.49                   | 54.00          | 19.64       | H                  |
| 12060.025       | 33.47                       | -31.70          | 38.82                 | 26.35                   | 54.00          | 20.53       | V                  |

## Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2398.800        | 47.69                       | 5.37            | 32.38                 | 9.93                    | 54.00          | 6.31        | V                  |
| 2474.700        | 48.67                       | 5.45            | 32.60                 | 10.62                   | 54.00          | 5.33        | V                  |
| 4873.950        | 47.71                       | -34.27          | 34.15                 | 47.82                   | 54.00          | 6.29        | H                  |
| 7310.475        | 39.25                       | -32.61          | 35.96                 | 35.90                   | 54.00          | 14.75       | V                  |
| 9747.975        | 38.28                       | -32.22          | 36.90                 | 33.60                   | 54.00          | 15.72       | V                  |
| 12186.125       | 35.68                       | -31.20          | 39.07                 | 27.80                   | 54.00          | 18.32       | V                  |

## Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2483.550        | 49.88                       | 5.46            | 32.60                 | 11.82                   | 54.00          | 4.12        | V                  |
| 2483.662        | 49.84                       | 5.46            | 32.60                 | 11.78                   | 54.00          | 4.16        | V                  |
| 4923.675        | 43.92                       | -34.61          | 34.25                 | 44.28                   | 54.00          | 10.08       | H                  |
| 7384.575        | 39.96                       | -32.60          | 35.80                 | 36.76                   | 54.00          | 14.04       | V                  |
| 9848.075        | 33.03                       | -32.52          | 37.00                 | 28.55                   | 54.00          | 20.97       | H                  |
| 12309.950       | 34.45                       | -31.02          | 38.91                 | 26.56                   | 54.00          | 19.55       | H                  |



**802.11n-HT20**

## Ch1

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2389.950        | 49.75                       | 5.35            | 32.26                 | 12.14                   | 54.00          | 4.25        | V                  |
| 2389.988        | 49.79                       | 5.35            | 32.26                 | 12.17                   | 54.00          | 4.21        | V                  |
| 4821.652        | 30.88                       | -35.04          | 34.10                 | 31.83                   | 54.00          | 23.12       | H                  |
| 7234.425        | 35.85                       | -32.59          | 35.87                 | 32.57                   | 54.00          | 18.15       | V                  |
| 9647.875        | 33.21                       | -32.04          | 36.90                 | 28.35                   | 54.00          | 20.79       | H                  |
| 12060.025       | 33.38                       | -31.70          | 38.82                 | 26.26                   | 54.00          | 20.62       | H                  |

## Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2399.550        | 48.12                       | 5.37            | 32.39                 | 10.35                   | 54.00          | 5.88        | V                  |
| 2470.050        | 49.06                       | 5.44            | 32.60                 | 11.01                   | 54.00          | 4.94        | V                  |
| 4880.450        | 31.67                       | -34.31          | 34.16                 | 31.82                   | 54.00          | 22.33       | V                  |
| 7308.885        | 33.64                       | -32.61          | 35.96                 | 30.29                   | 54.00          | 20.36       | H                  |
| 9747.975        | 32.76                       | -32.22          | 36.90                 | 28.08                   | 54.00          | 21.24       | V                  |
| 12185.150       | 33.90                       | -31.20          | 39.07                 | 26.03                   | 54.00          | 20.10       | V                  |

## Ch11

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2483.512        | 50.49                       | 5.46            | 32.60                 | 12.43                   | 54.00          | 3.51        | V                  |
| 2483.887        | 50.35                       | 5.46            | 32.60                 | 12.29                   | 54.00          | 3.65        | V                  |
| 4923.675        | 39.52                       | -34.61          | 34.25                 | 39.88                   | 54.00          | 14.48       | H                  |
| 7384.575        | 34.86                       | -32.60          | 35.80                 | 31.66                   | 54.00          | 19.14       | V                  |
| 9848.075        | 27.42                       | -32.52          | 37.00                 | 22.94                   | 54.00          | 26.58       | V                  |
| 12309.950       | 33.44                       | -31.02          | 38.91                 | 25.55                   | 54.00          | 20.56       | H                  |

**802.11n-HT40**

## Ch3

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2389.838        | 48.69                       | 5.35            | 32.26                 | 11.08                   | 54.00          | 5.31        | V                  |
| 2389.988        | 48.68                       | 5.35            | 32.26                 | 11.06                   | 54.00          | 5.32        | V                  |
| 4847.000        | 30.35                       | -34.55          | 34.10                 | 30.80                   | 54.00          | 23.65       | H                  |
| 7247.500        | 32.42                       | -32.57          | 35.90                 | 29.10                   | 54.00          | 21.58       | V                  |
| 9687.750        | 32.54                       | -32.04          | 36.82                 | 27.76                   | 54.00          | 21.46       | V                  |
| 12110.000       | 33.68                       | -31.49          | 38.92                 | 26.25                   | 54.00          | 20.32       | V                  |

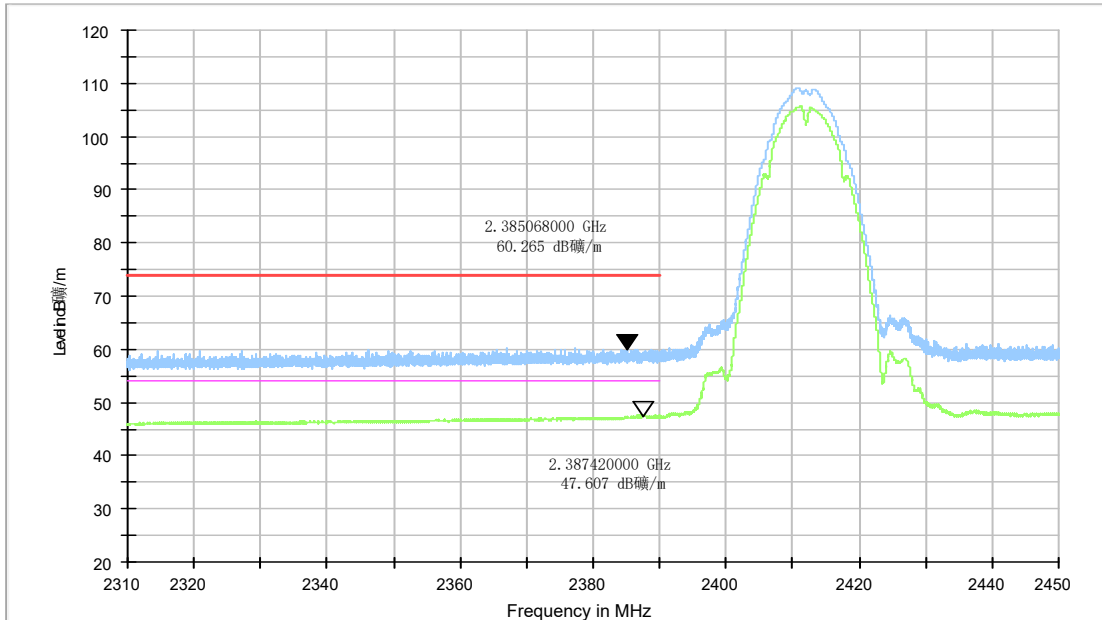
## Ch6

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2400.000        | 49.57                       | 5.37            | 32.40                 | 11.80                   | 54.00          | 4.43        | V                  |
| 2474.700        | 50.16                       | 5.45            | 32.60                 | 12.11                   | 54.00          | 3.84        | V                  |
| 4880.500        | 30.57                       | -34.31          | 34.16                 | 30.72                   | 54.00          | 23.43       | V                  |
| 7311.000        | 31.27                       | -32.61          | 35.96                 | 27.92                   | 54.00          | 22.73       | V                  |
| 9747.750        | 32.28                       | -32.22          | 36.90                 | 27.60                   | 54.00          | 21.72       | V                  |
| 12185.000       | 33.43                       | -31.20          | 39.07                 | 25.56                   | 54.00          | 20.57       | V                  |

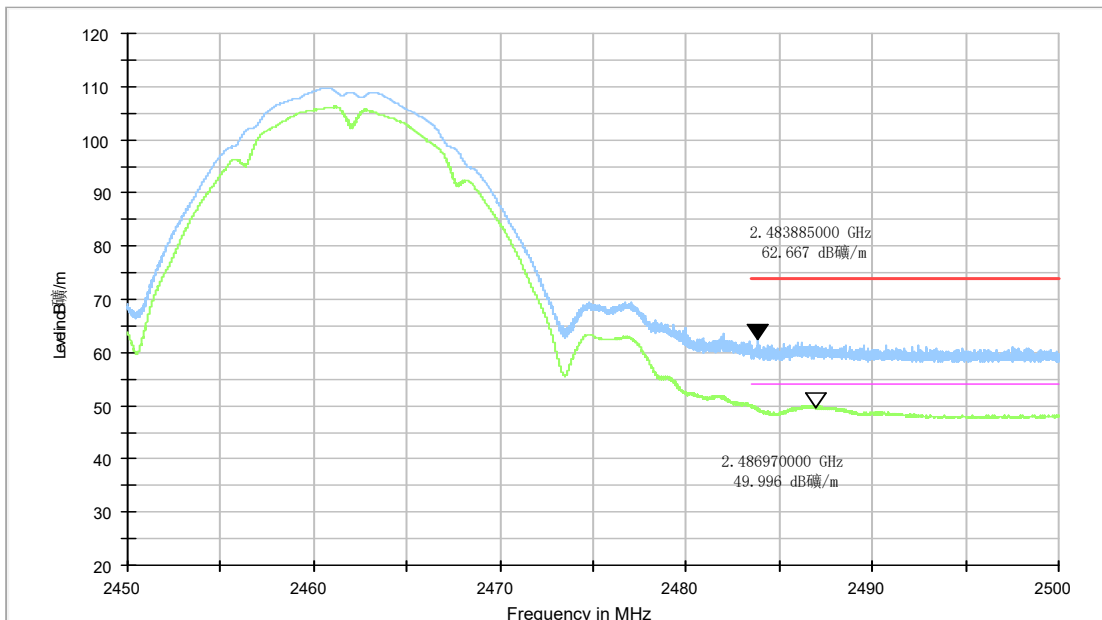
## Ch9

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 2483.700        | 50.89                       | 5.46            | 32.60                 | 12.83                   | 54.00          | 3.11        | V                  |
| 2483.963        | 50.84                       | 5.46            | 32.60                 | 12.78                   | 54.00          | 3.16        | V                  |
| 4903.750        | 30.21                       | -34.48          | 34.21                 | 30.48                   | 54.00          | 23.79       | H                  |
| 7348.250        | 31.58                       | -32.61          | 35.81                 | 28.38                   | 54.00          | 22.42       | V                  |
| 9808.000        | 32.10                       | -32.40          | 37.00                 | 27.50                   | 54.00          | 21.90       | H                  |
| 12260.000       | 32.95                       | -30.95          | 38.98                 | 24.91                   | 54.00          | 21.05       | V                  |

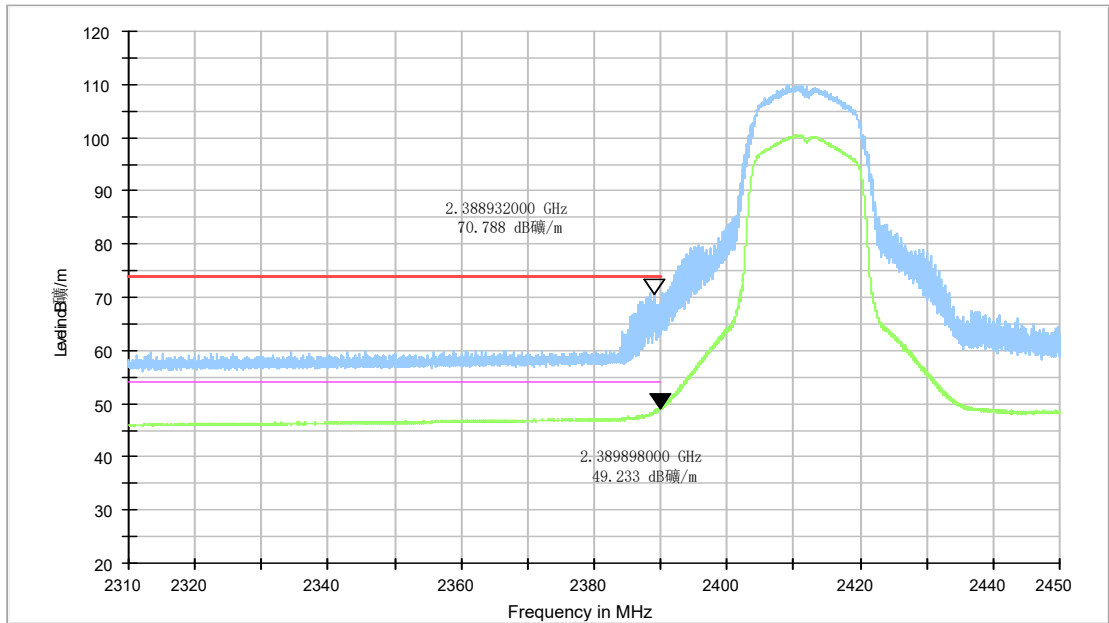
Test graphs as below:



**Fig.A.6.2.1 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch1, 2.31 GHz – 2.45GHz**



**Fig.A.6.2.2 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz**



**Fig.A.6.2.3 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch1, 2.31 GHz - 2.45GHz**



**Fig.A.6.2.4 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz**