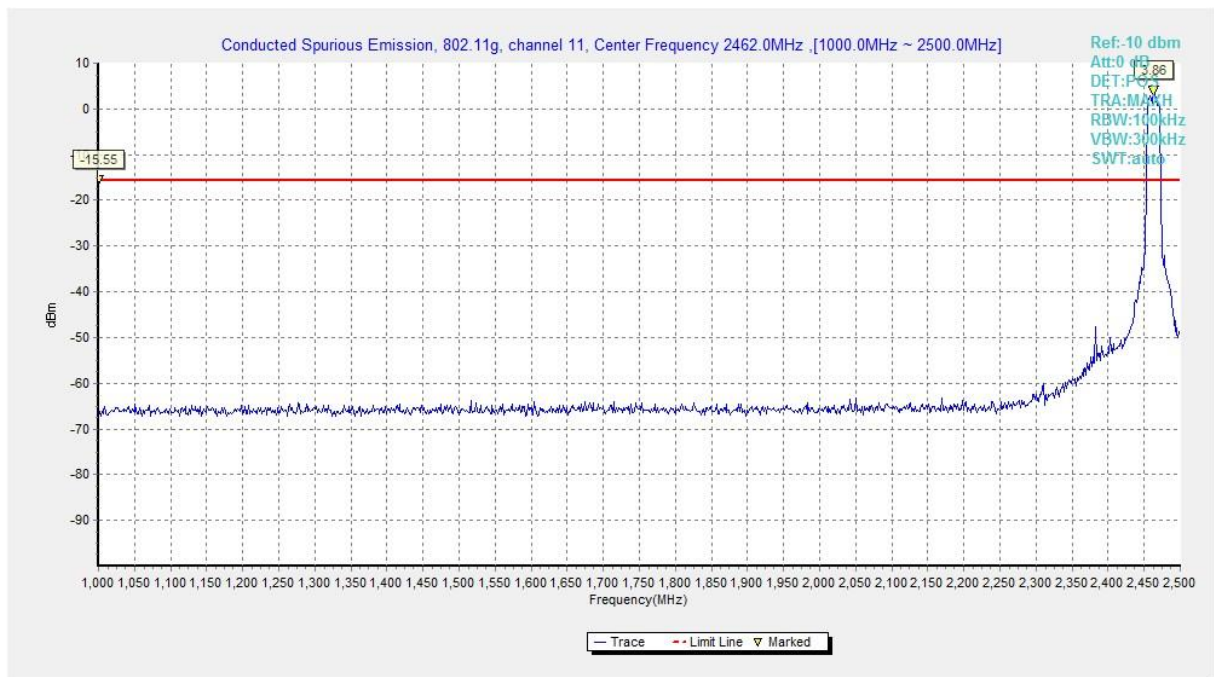
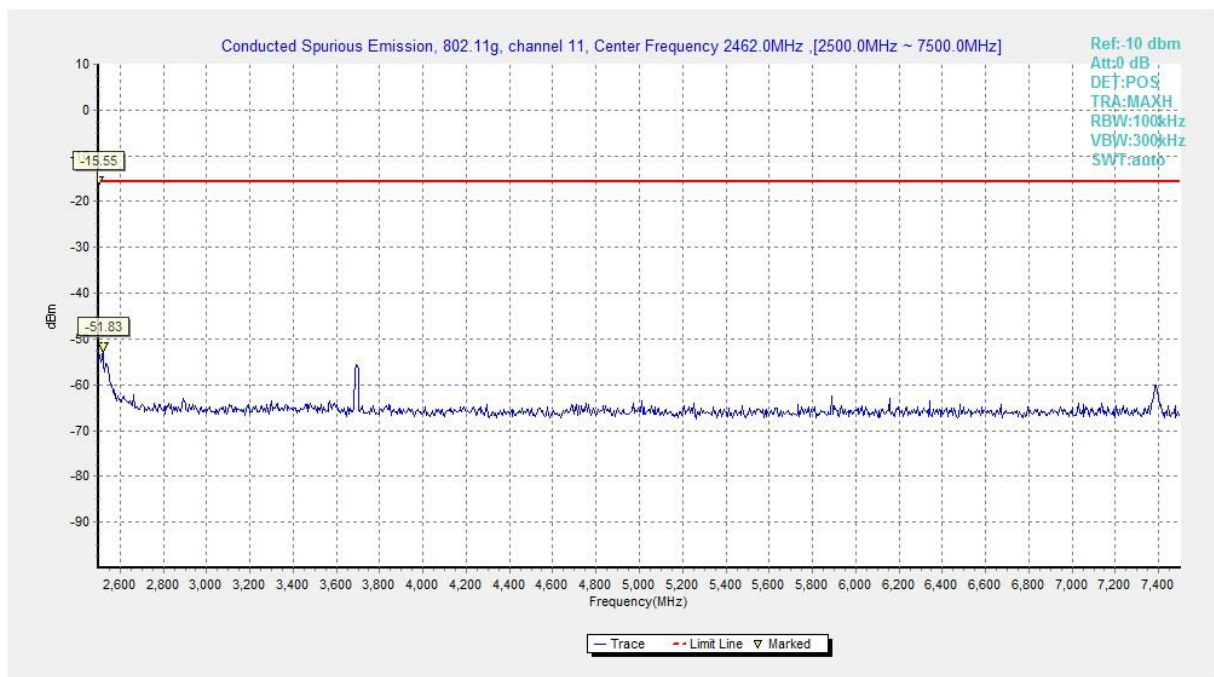
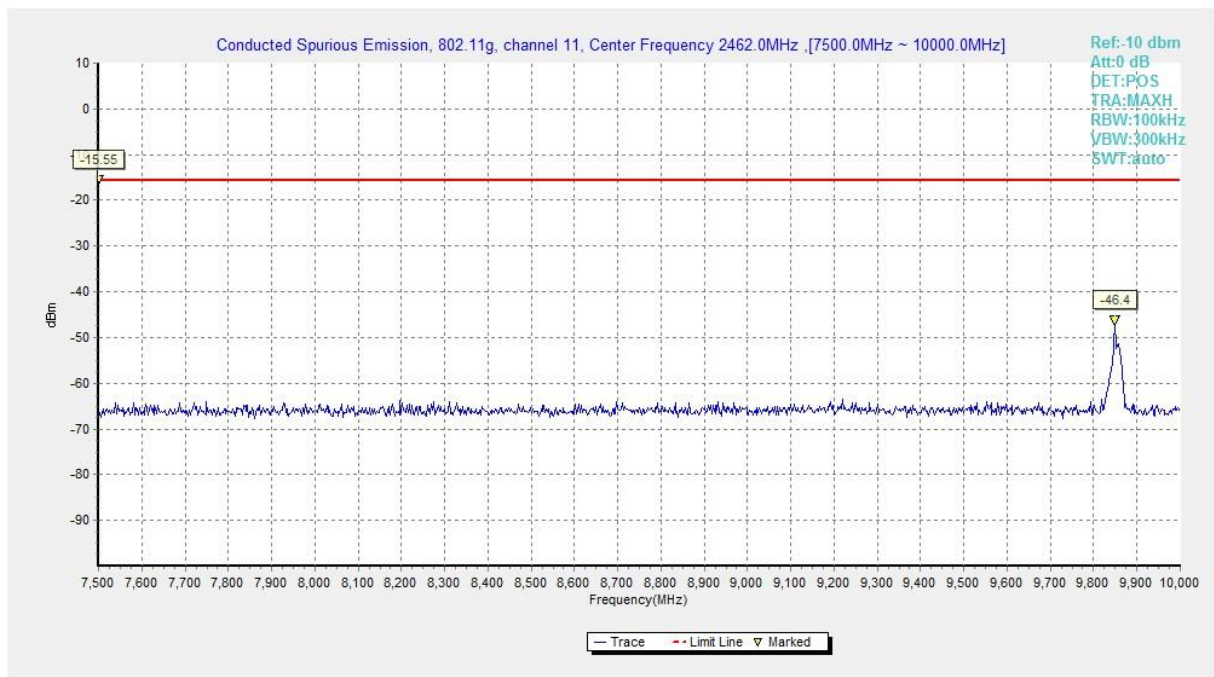




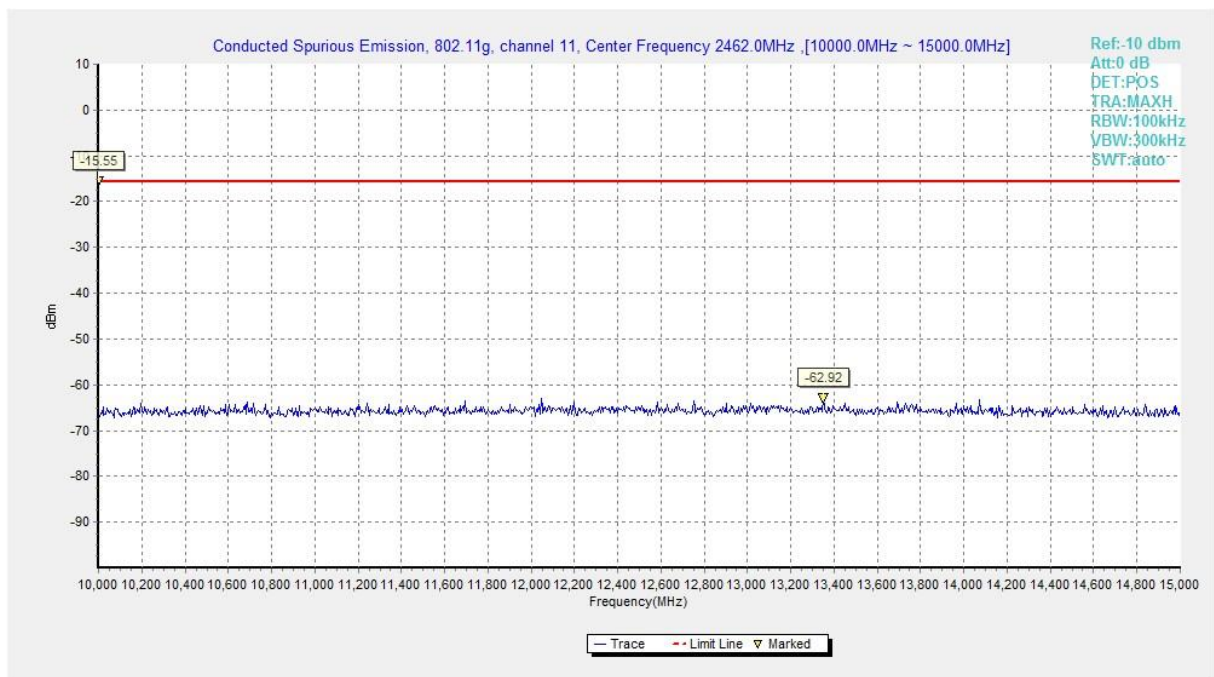
**Fig.A.6.1.43 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 1 GHz-2.5 GHz)**



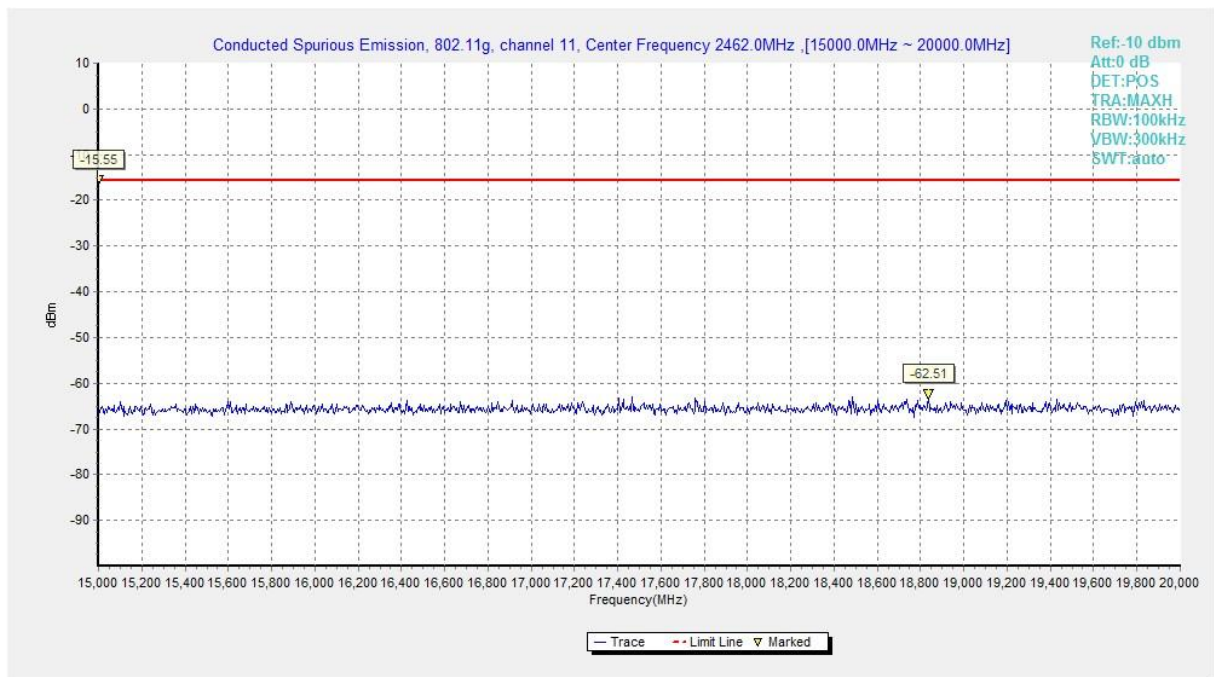
**Fig.A.6.1.44 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 2.5 GHz-7.5 GHz)**



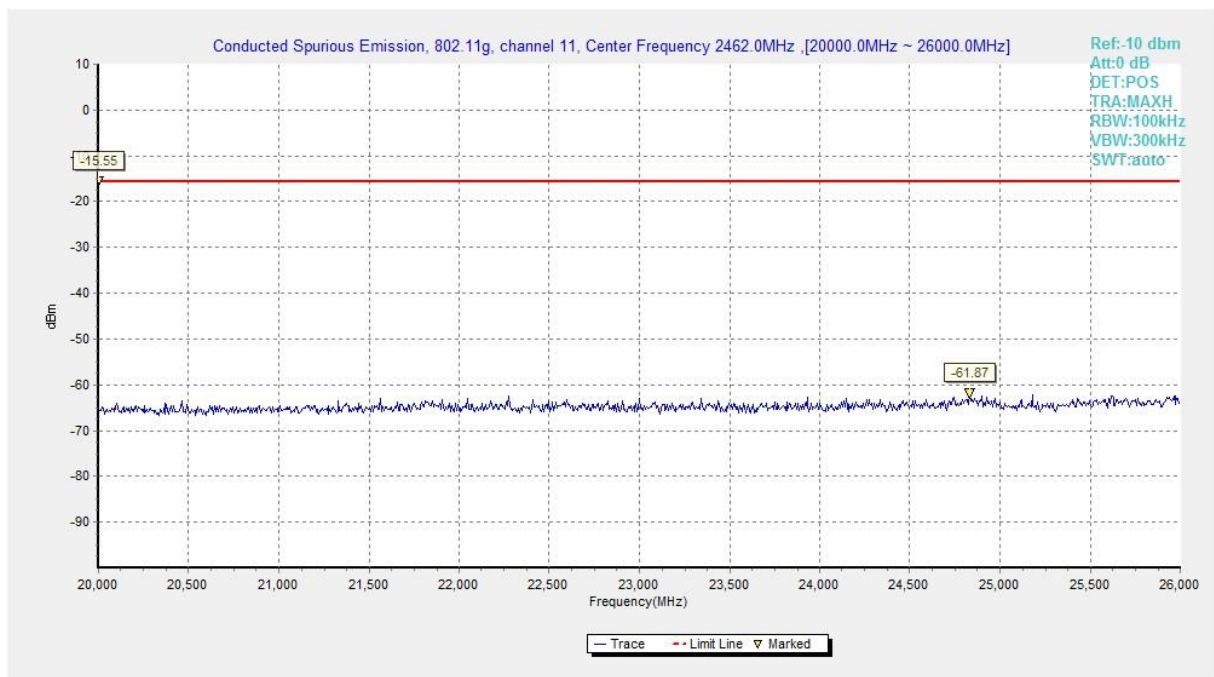
**Fig.A.6.1.45 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 7.5 GHz-10 GHz)**



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

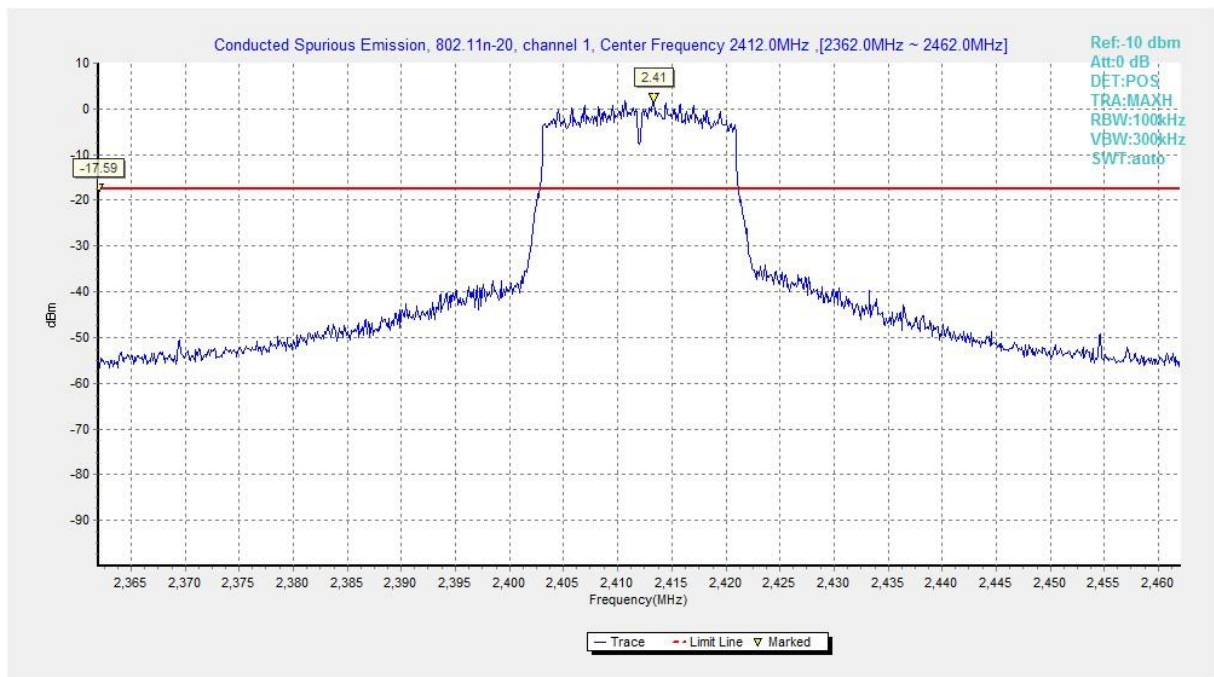


**Fig.A.6.1.47 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 15 GHz-20 GHz)**

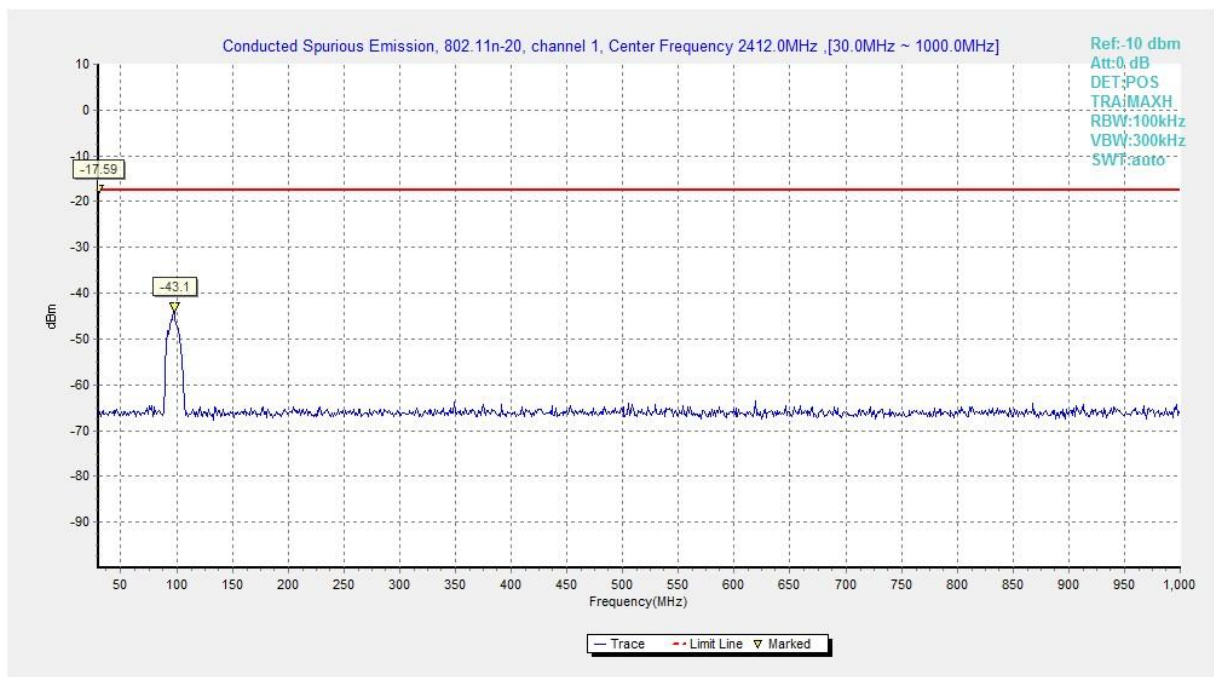


**Fig.A.6.1.48 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 20 GHz-26 GHz)**

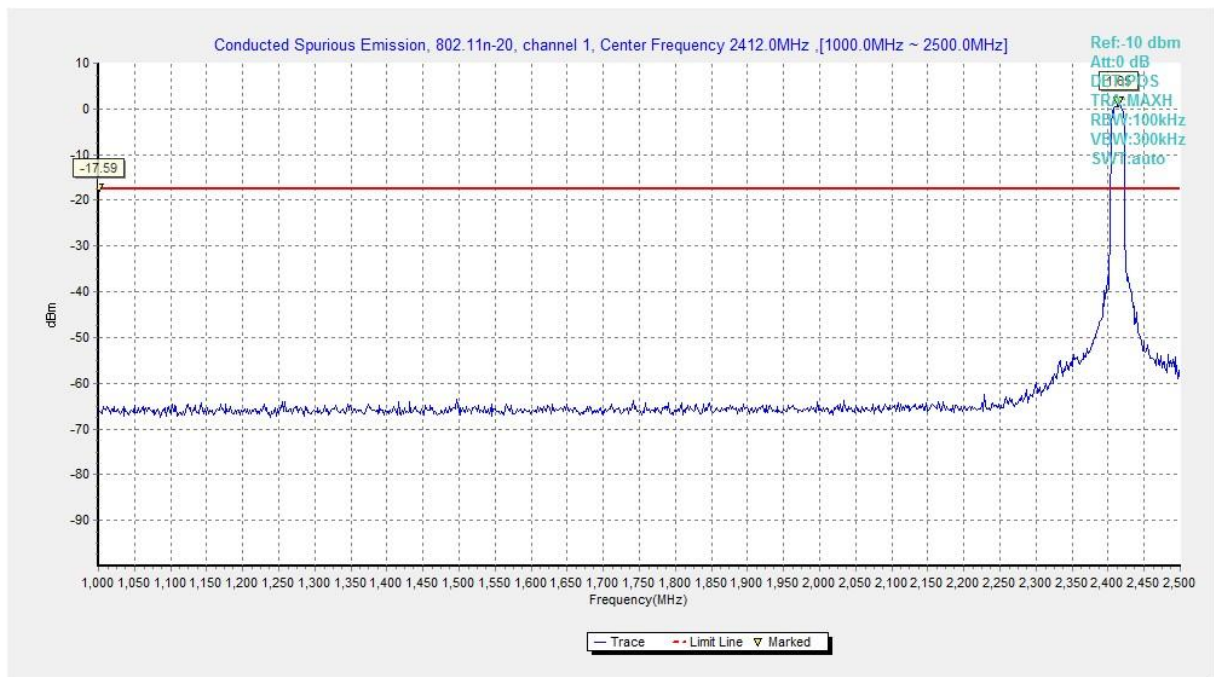




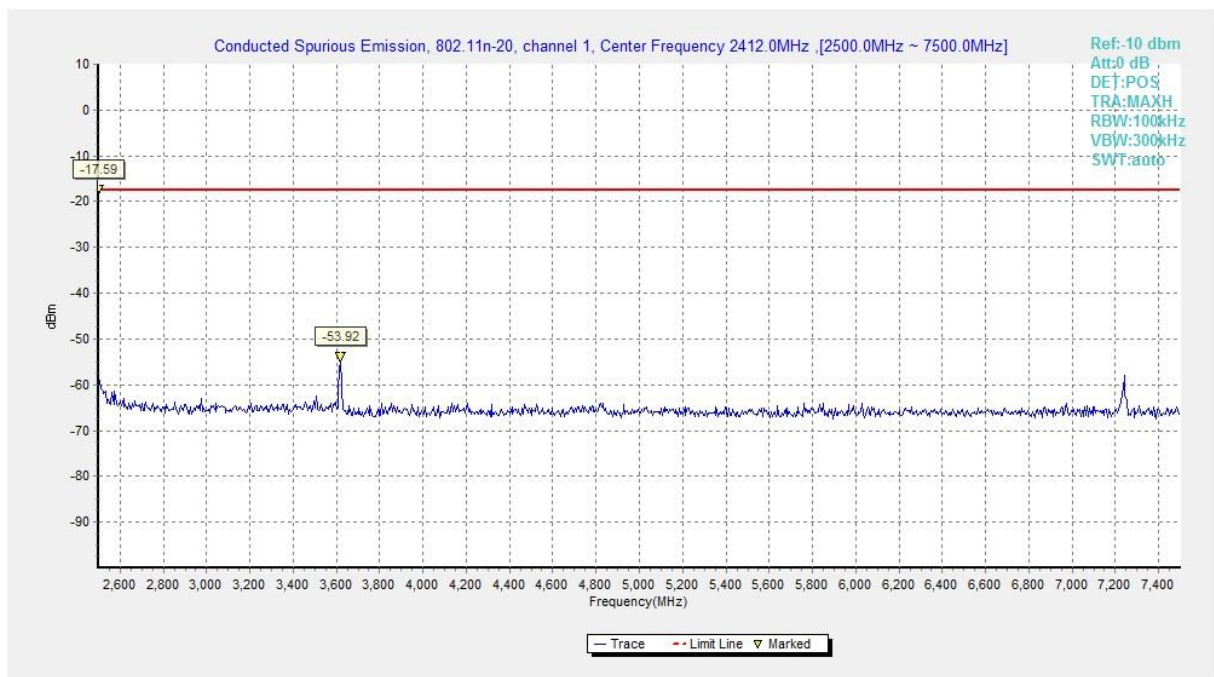
**Fig.A.6.1.49 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, Center Frequency)**



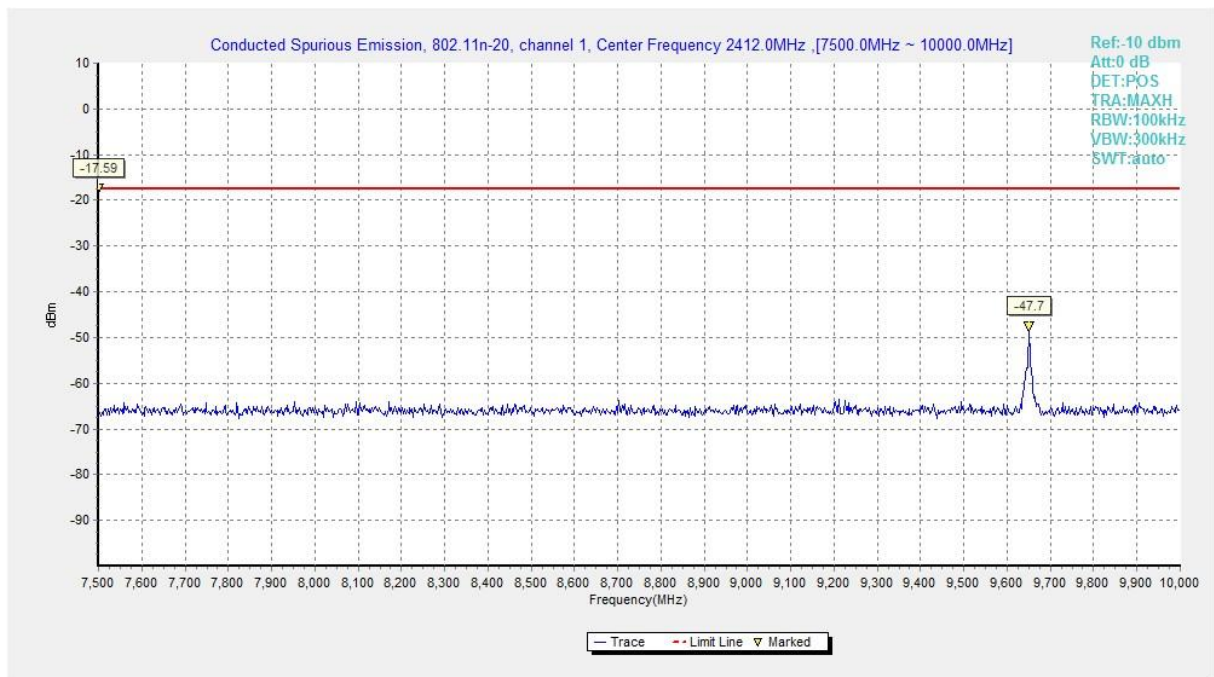
**Fig.A.6.1.50 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 30 MHz-1 GHz)**



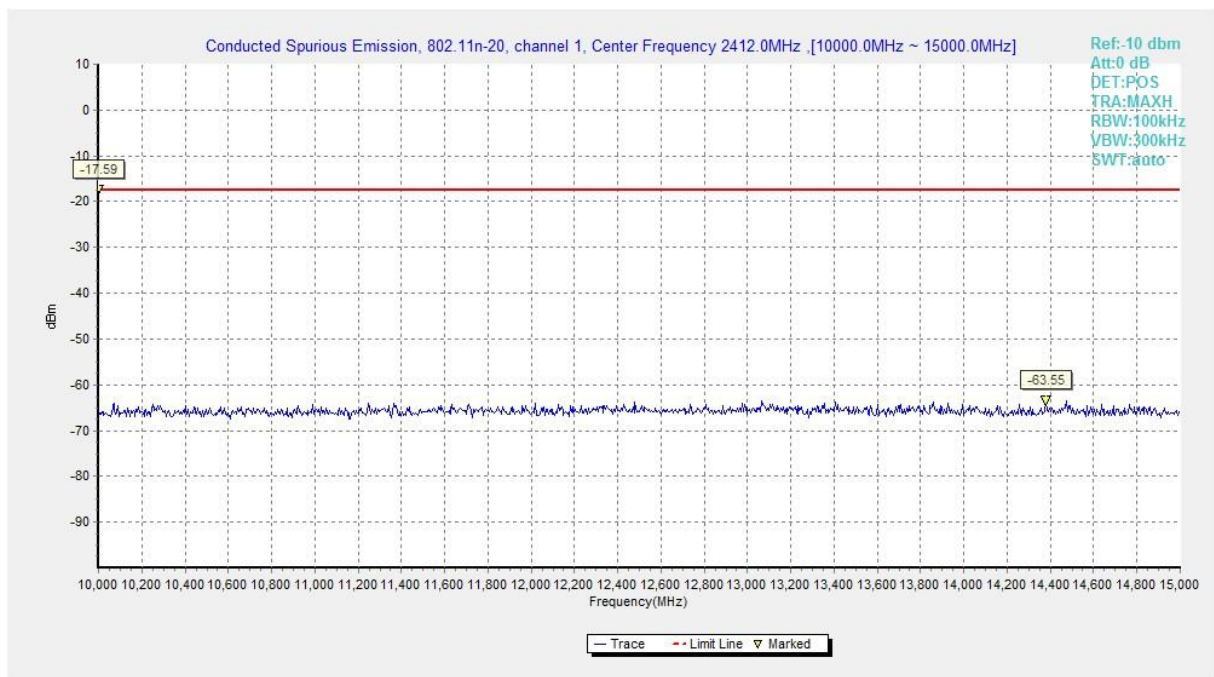
**Fig.A.6.1.51 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 1 GHz-2.5 GHz)**



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

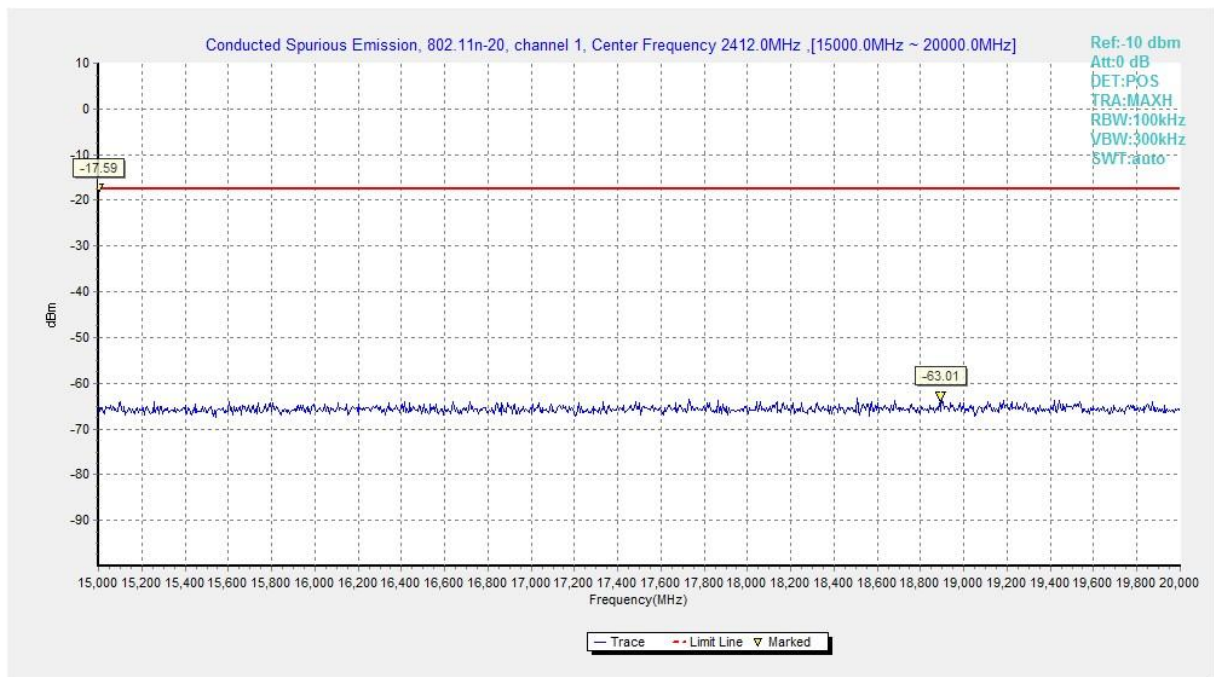


**Fig.A.6.1.53 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 7.5 GHz-10 GHz)**

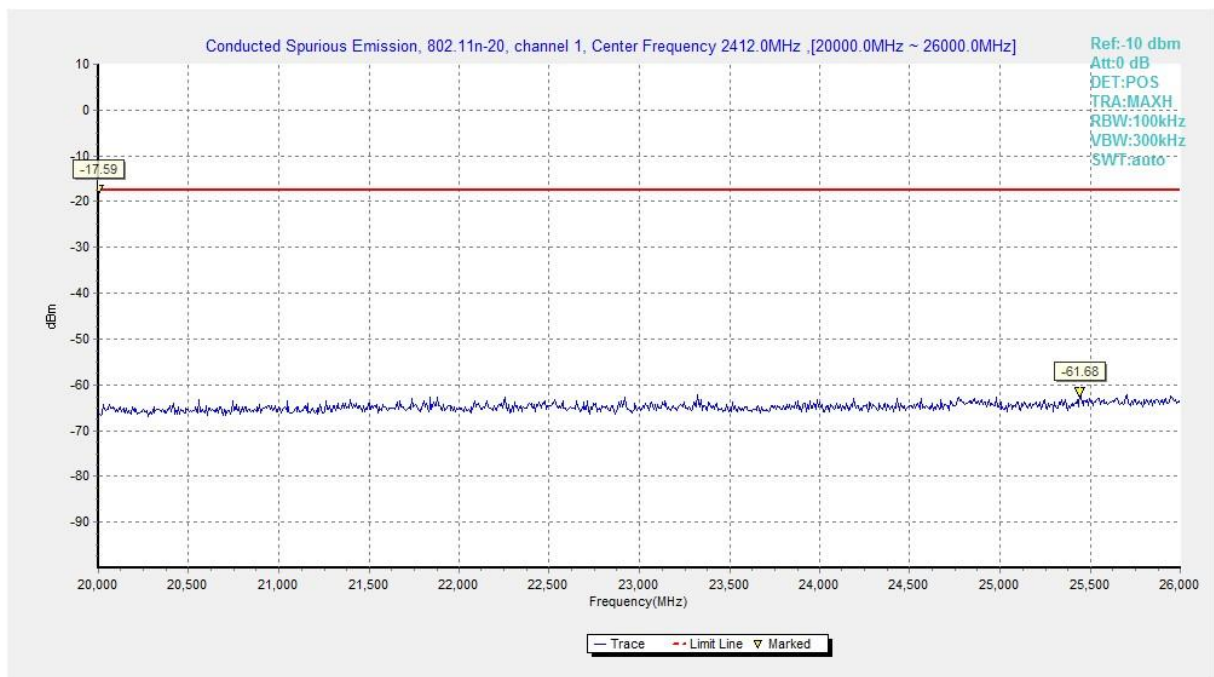


**Fig.A.6.1.54 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 10 GHz-15 GHz)**

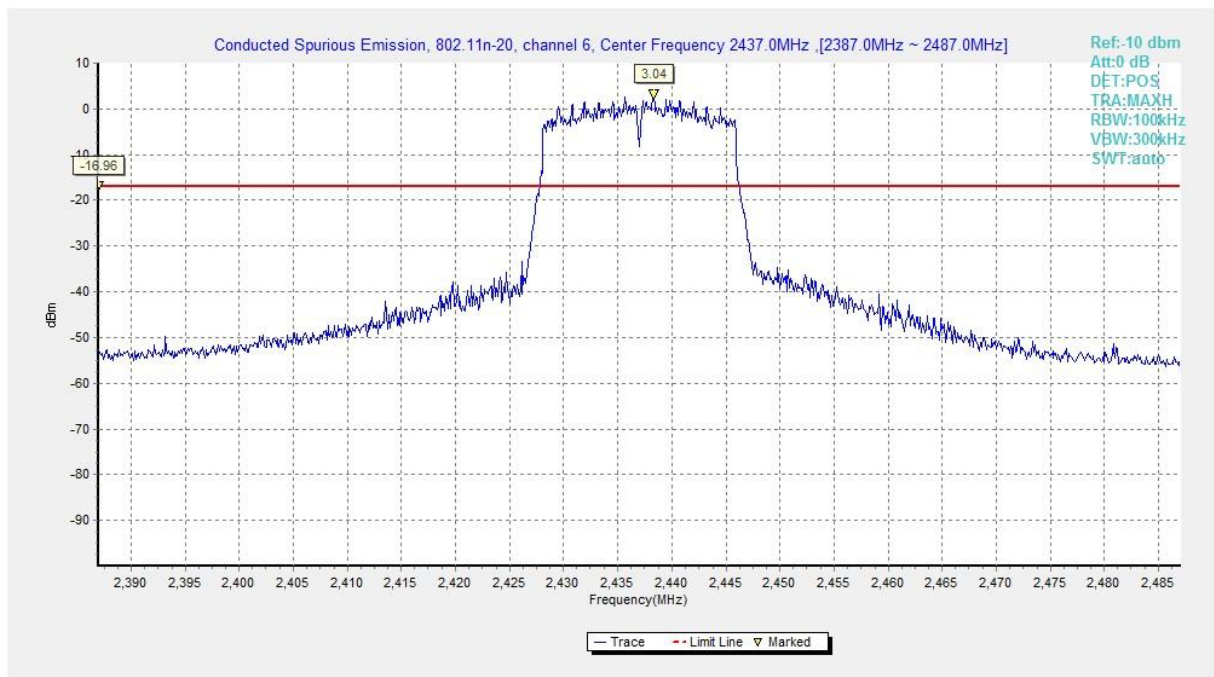




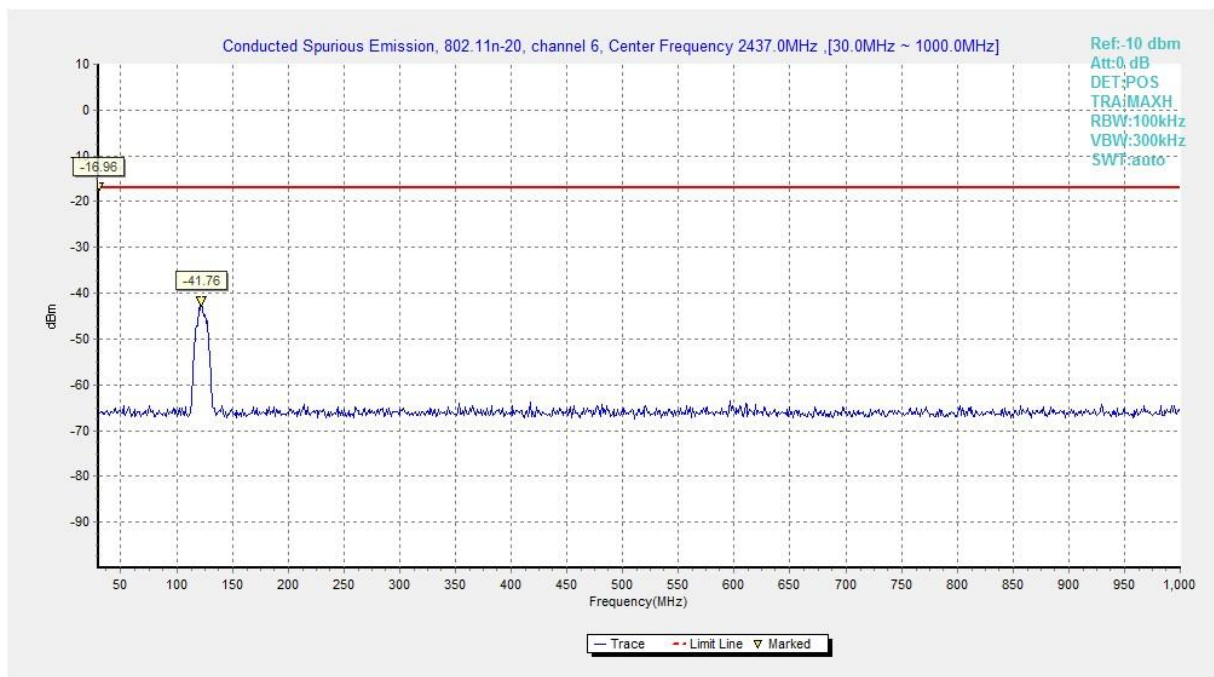
**Fig.A.6.1.55 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 15 GHz-20 GHz)**



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

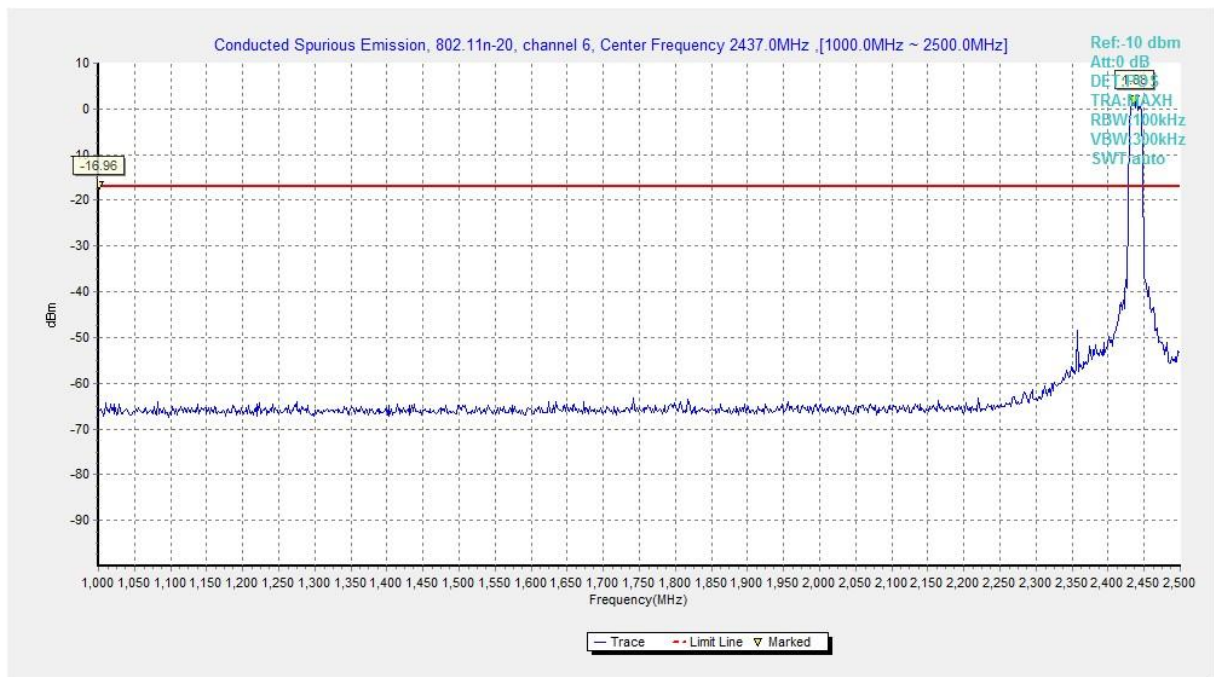


**Fig.A.6.1.57 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, Center Frequency)**

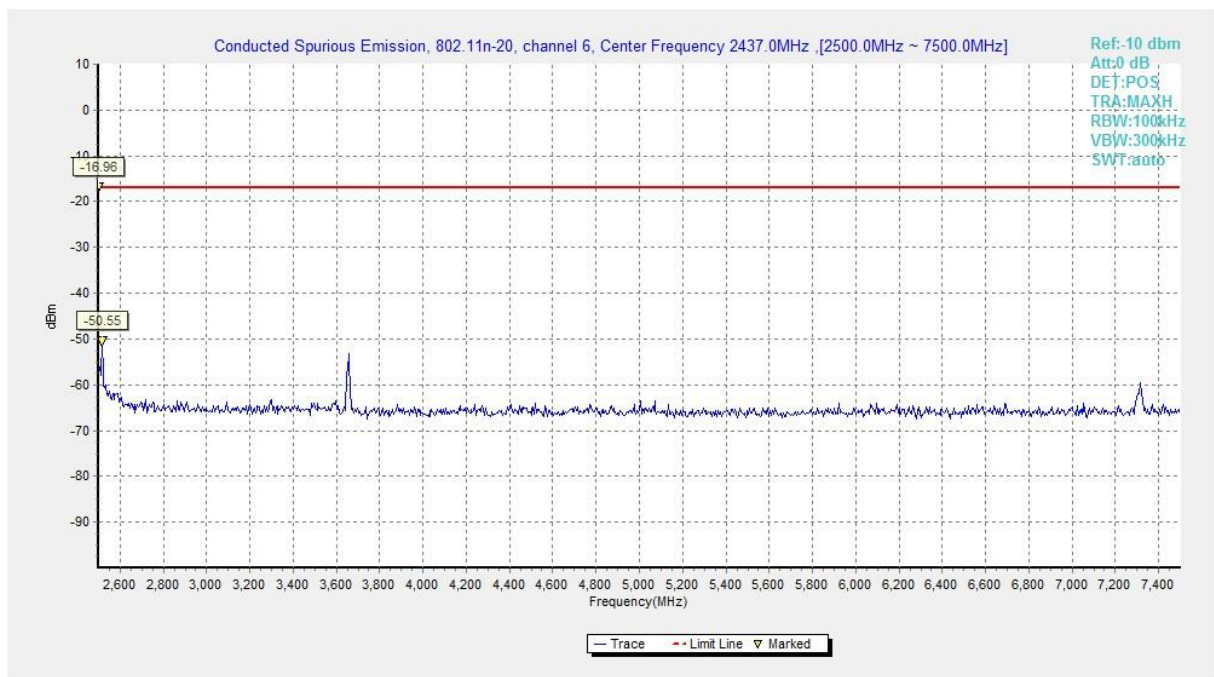


**Fig.A.6.1.58 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 30 MHz-1 GHz)**

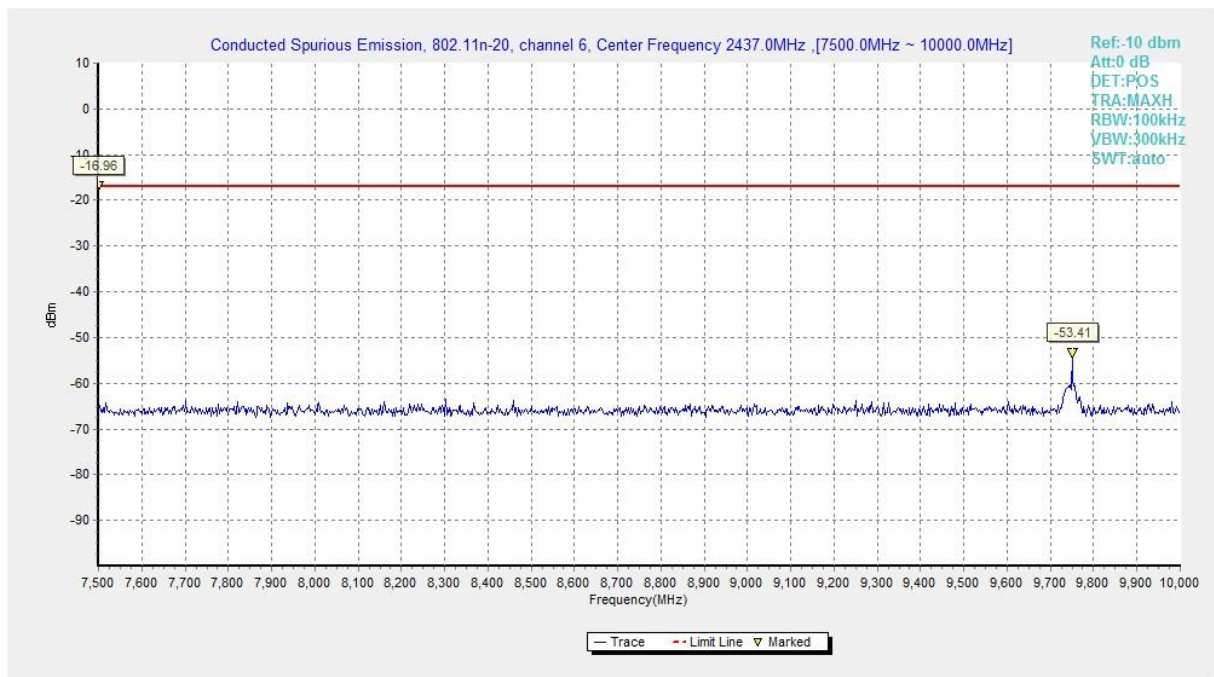




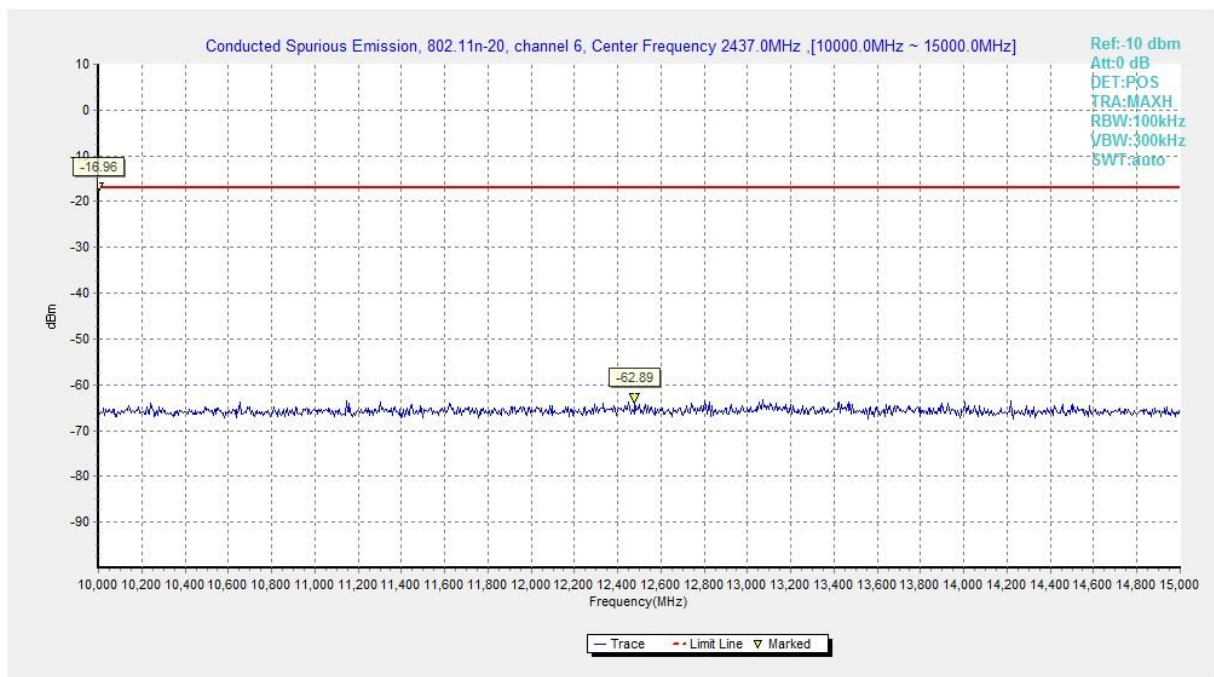
**Fig.A.6.1.59 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 1 GHz-2.5 GHz)**



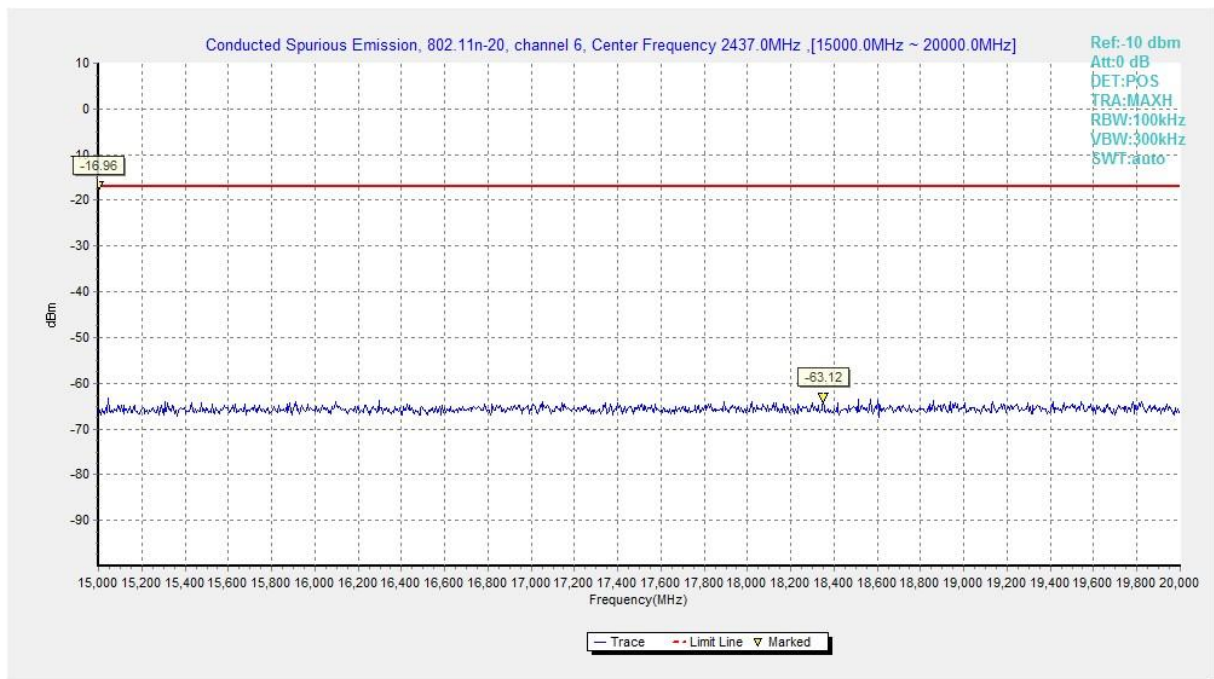
**Fig.A.6.1.60 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 2.5 GHz-7.5 GHz)**



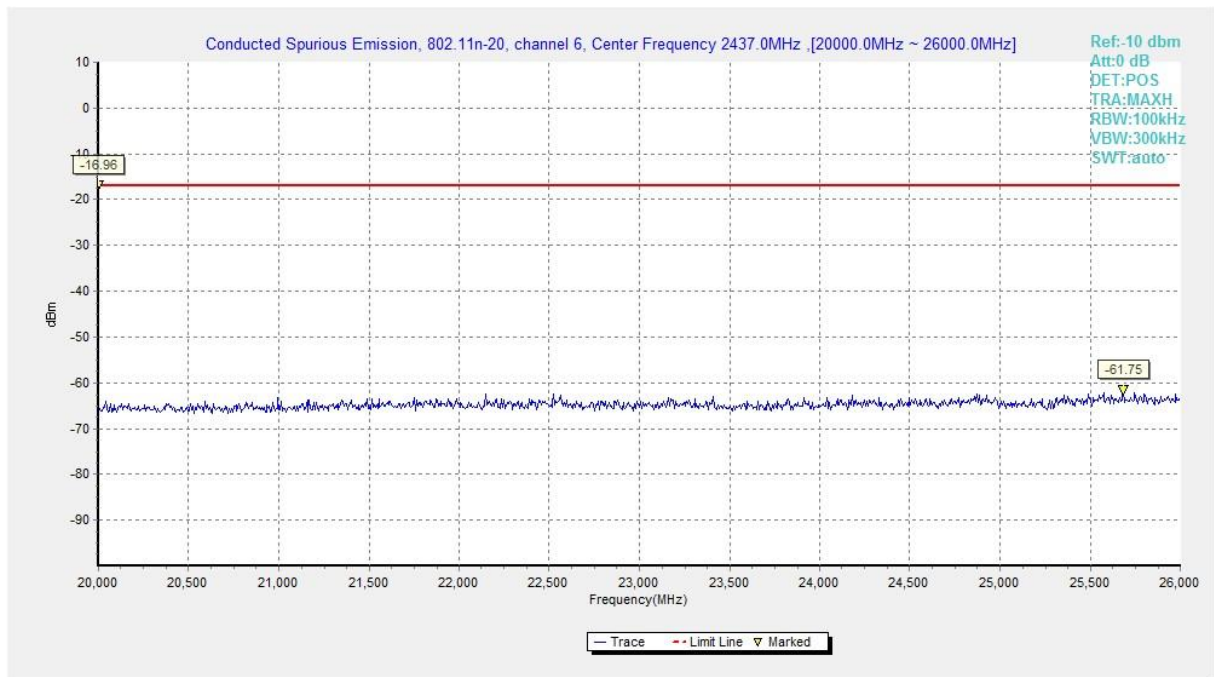
**Fig.A.6.1.61 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 7.5 GHz-10 GHz)**



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

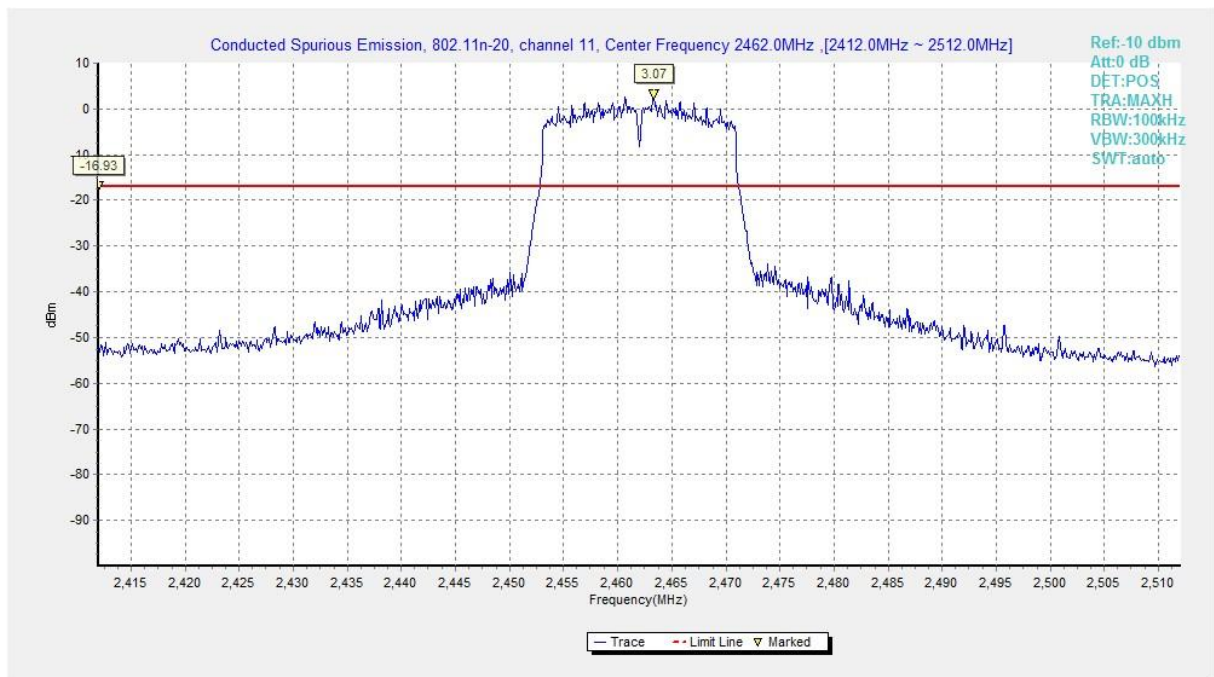


**Fig.A.6.1.63 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 15 GHz-20 GHz)**

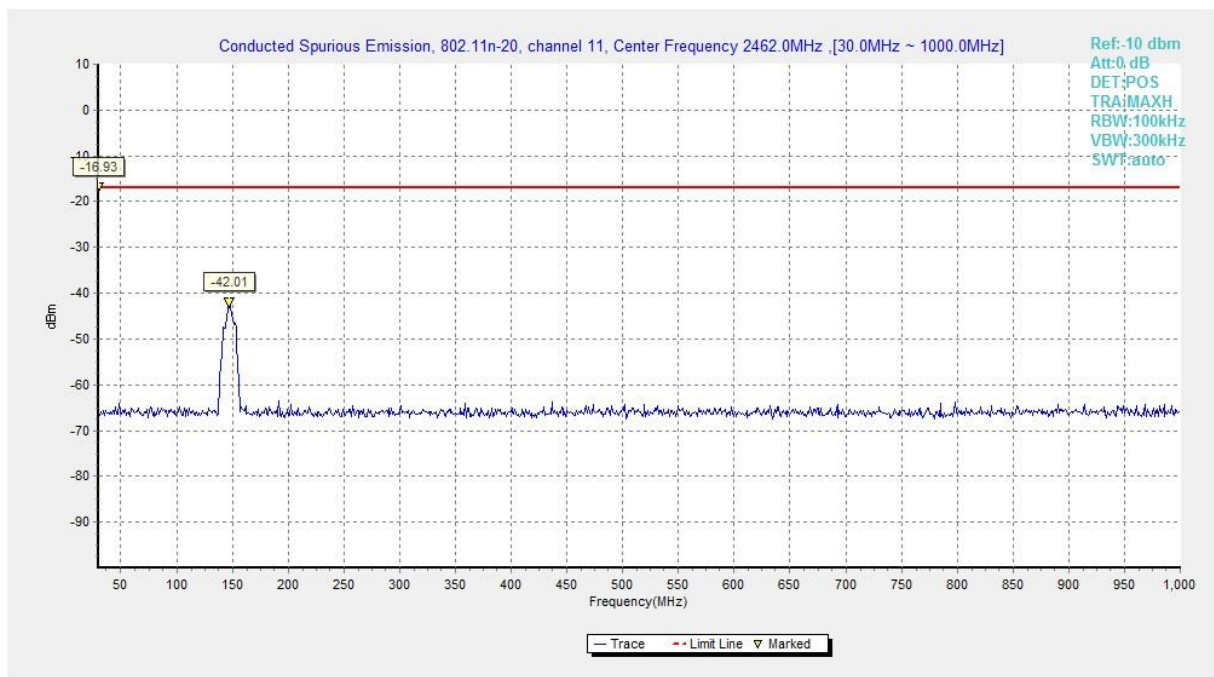


**Fig.A.6.1.64 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 20 GHz-26 GHz)**

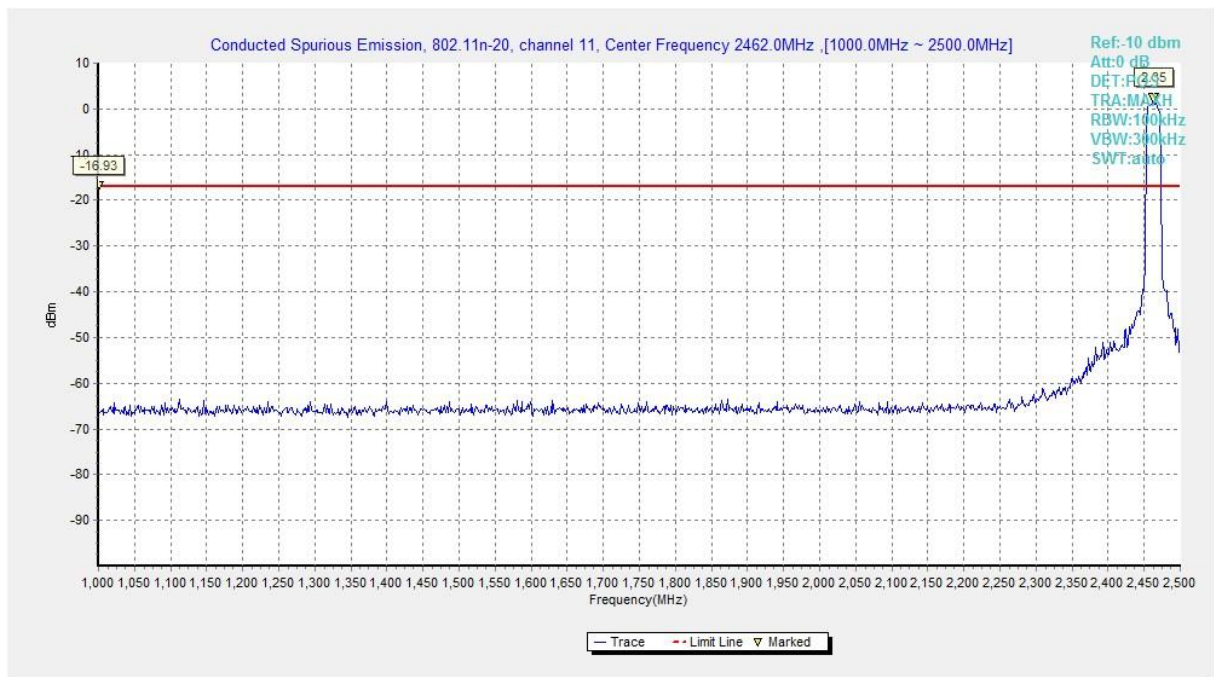




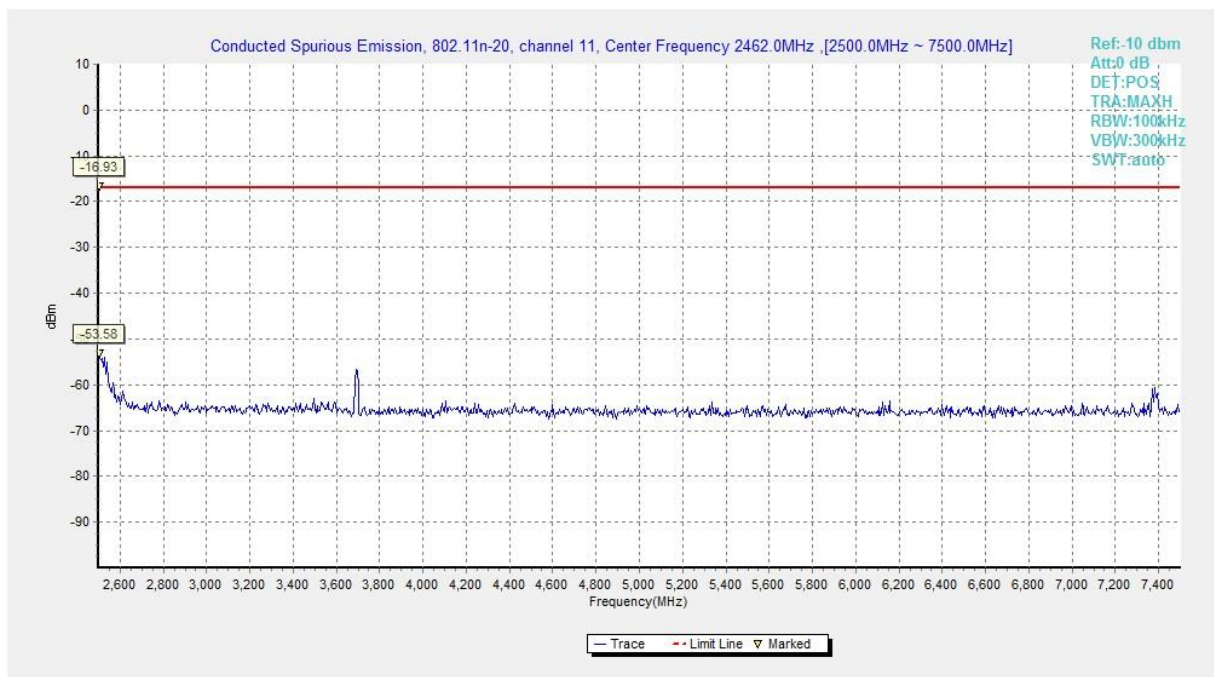
**Fig.A.6.1.65 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, Center Frequency)**



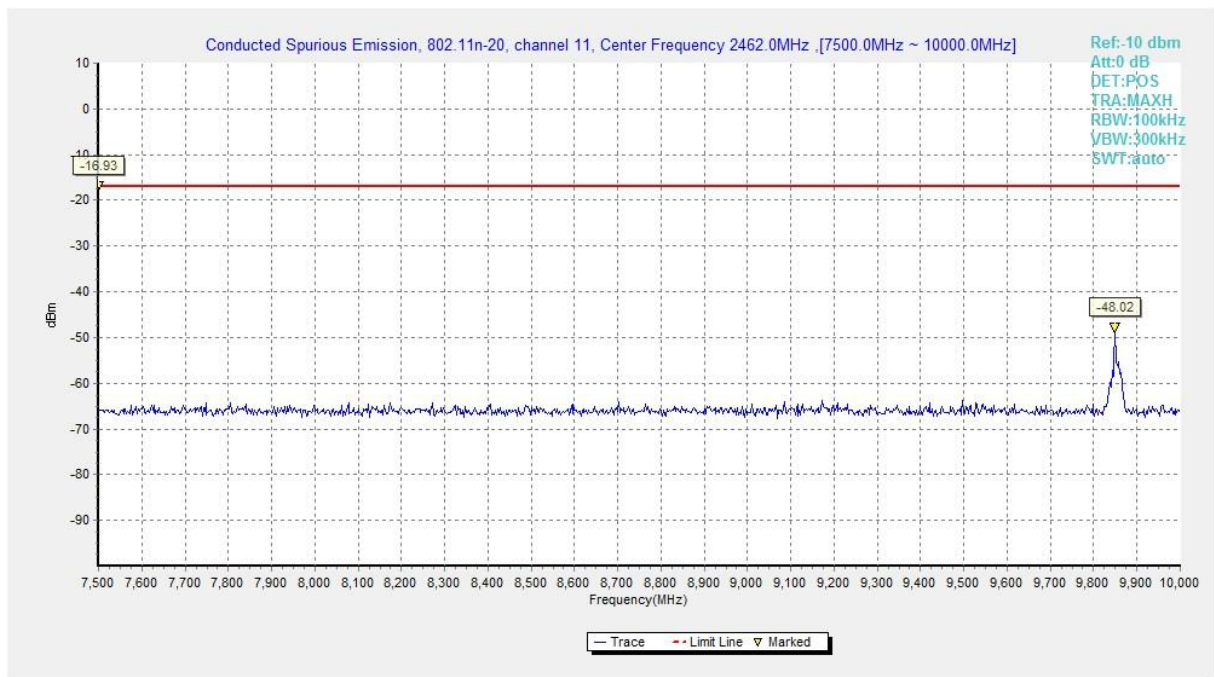
**Fig.A.6.1.66 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 30 MHz-1 GHz)**



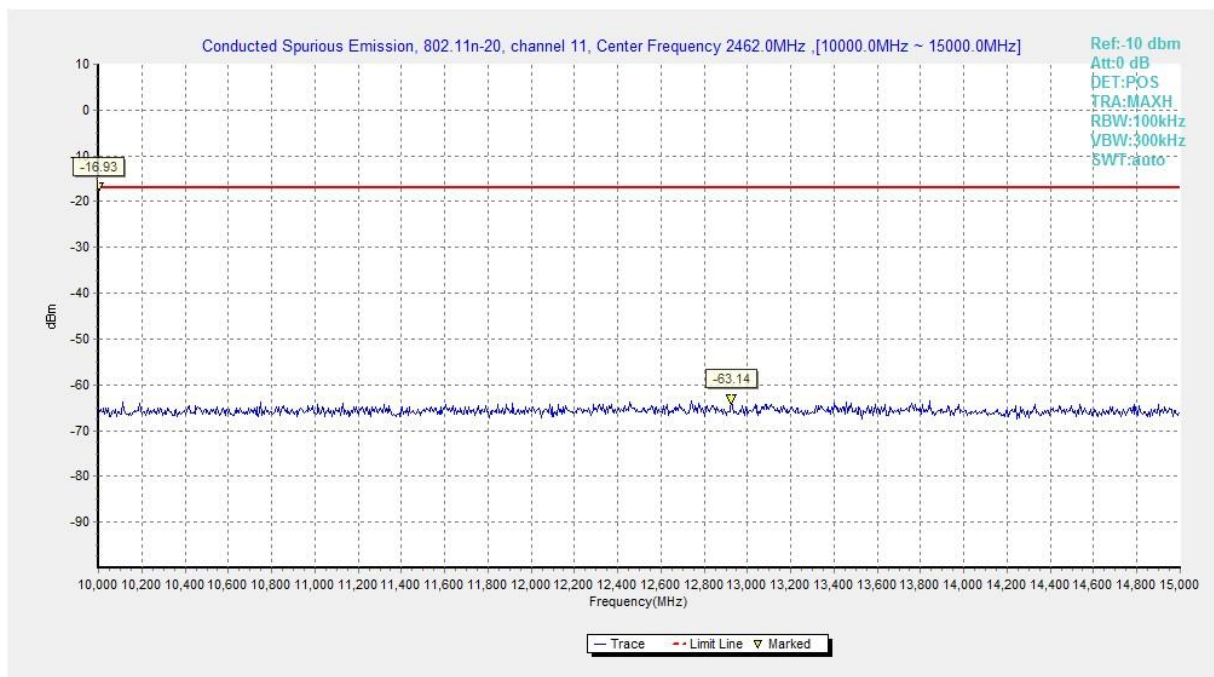
**Fig.A.6.1.67 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 1 GHz-2.5 GHz)**



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

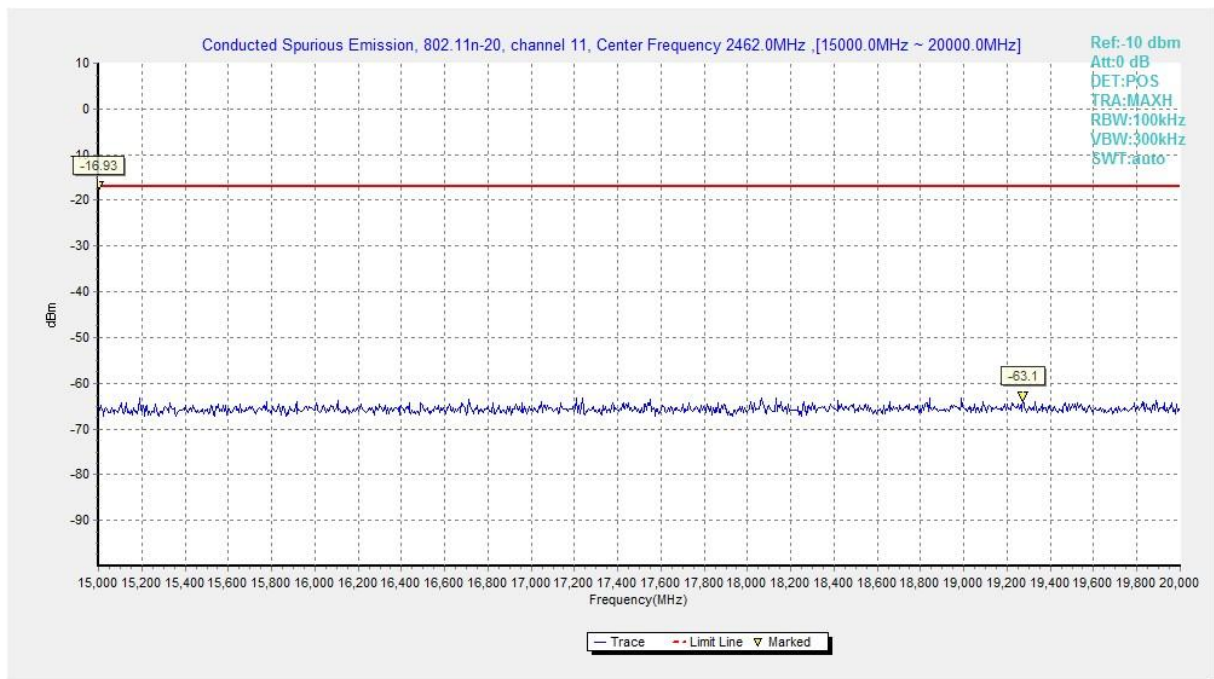


**Fig.A.6.1.69 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 7.5 GHz-10 GHz)**

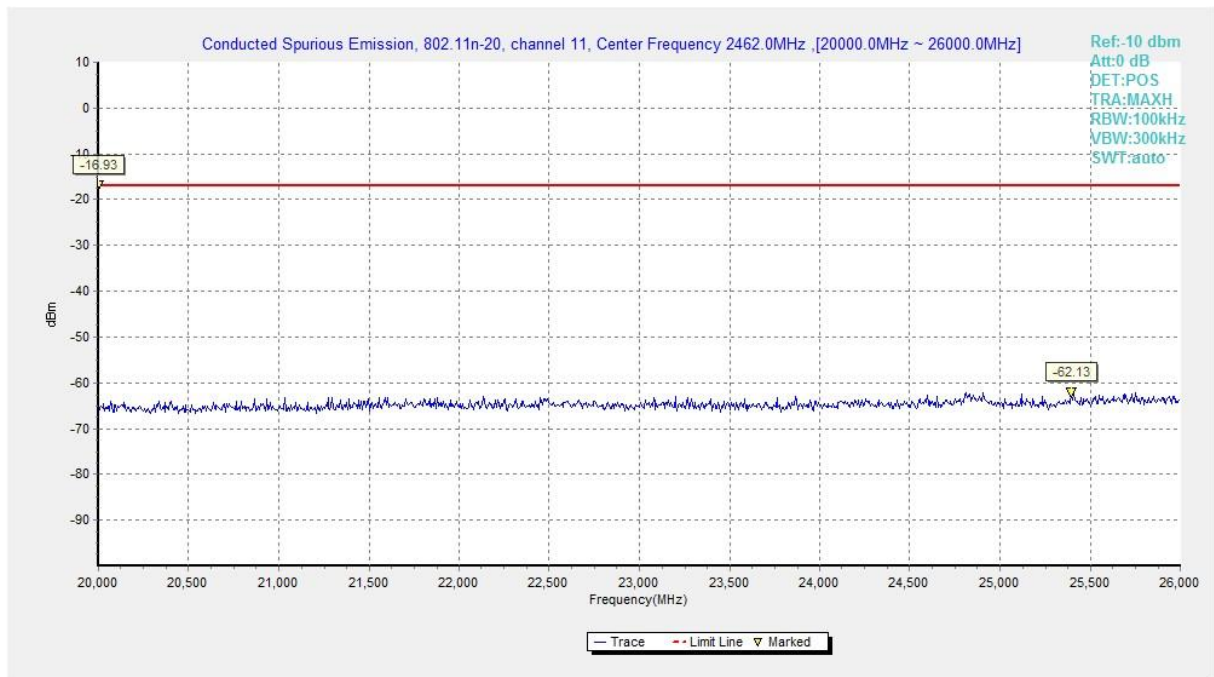


**Fig.A.6.1.70 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 10 GHz-15 GHz)**

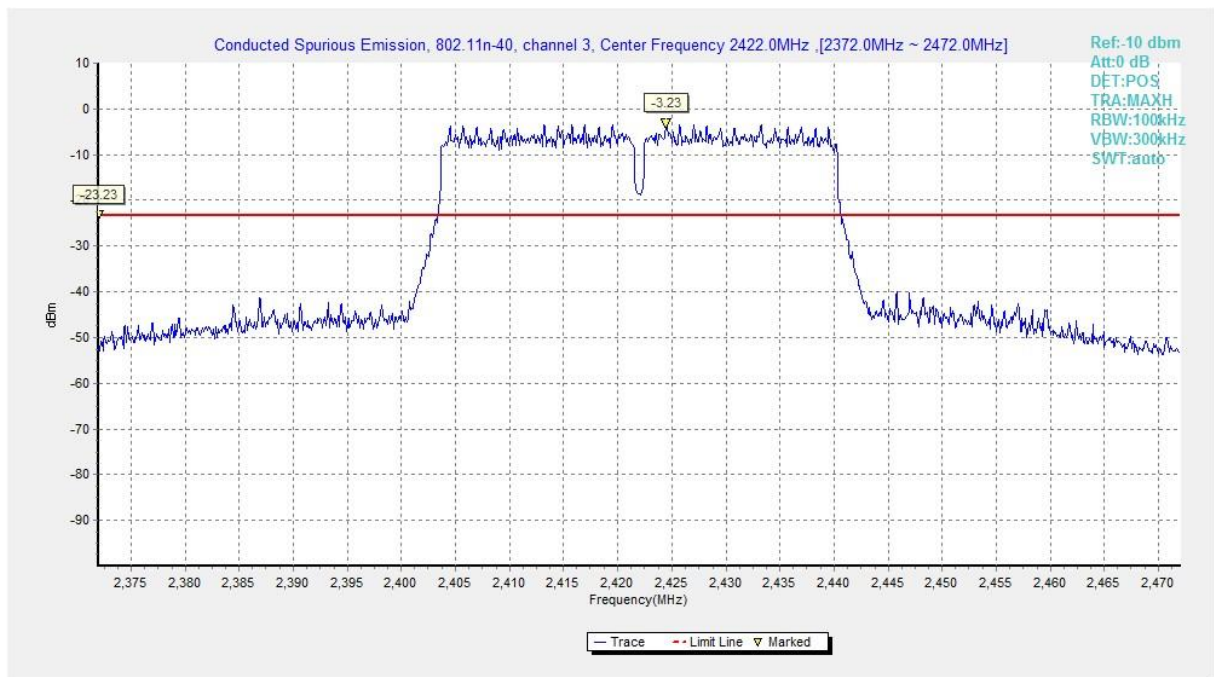




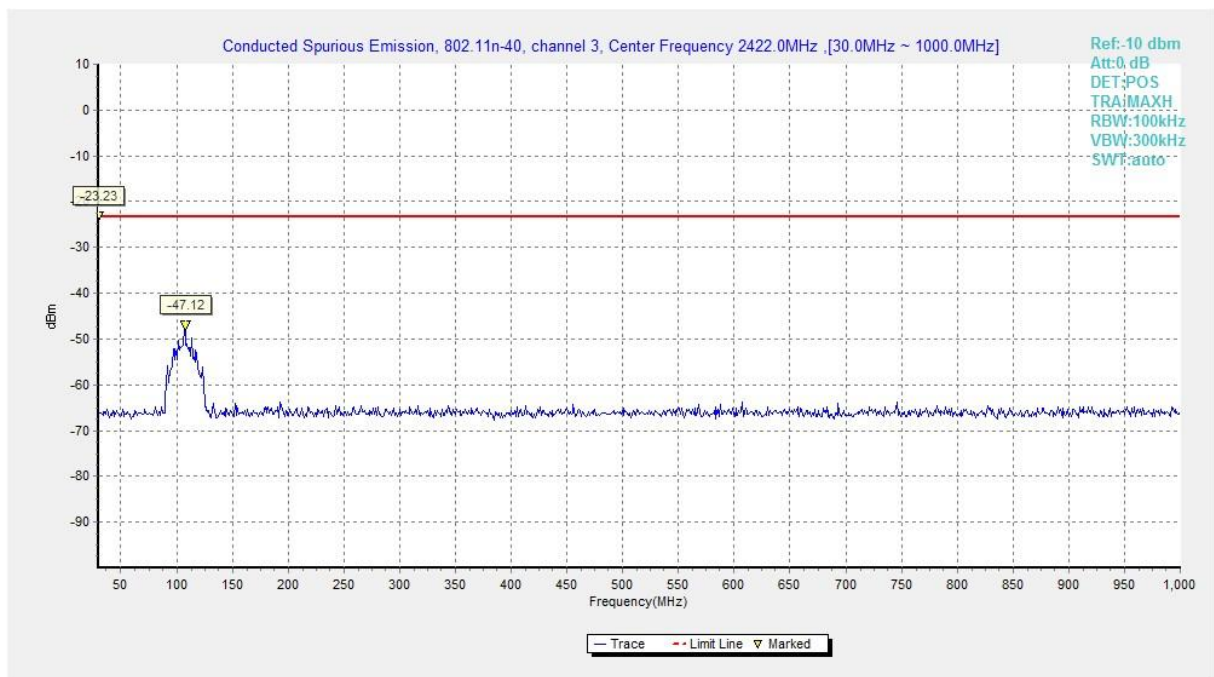
**Fig.A.6.1.71 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 15 GHz-20 GHz)**



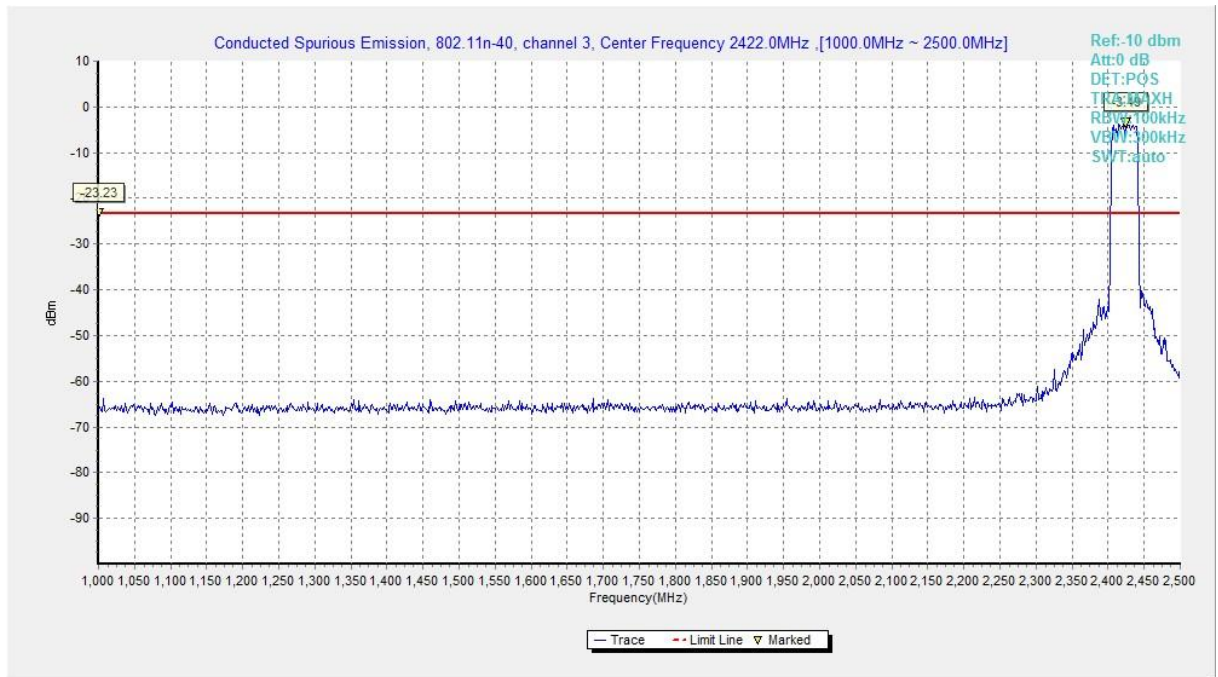
**Fig.A.6.1.72 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 20 GHz-26 GHz)**



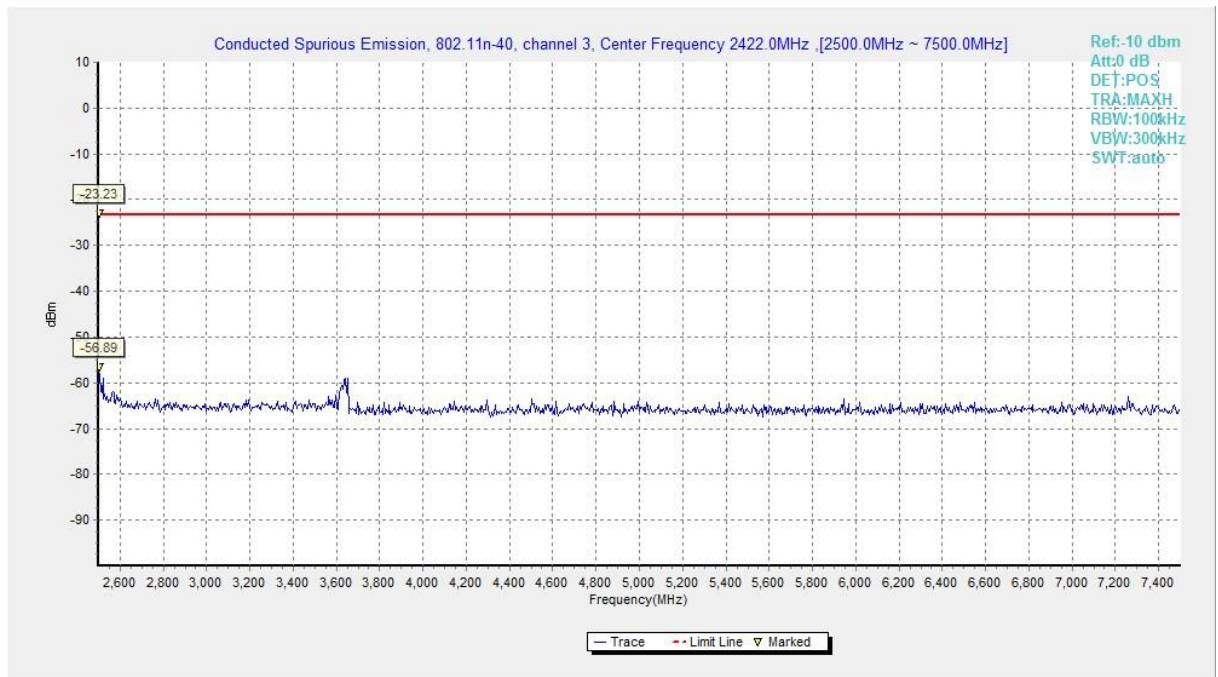
**Fig.A.6.1.73 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, Center Frequency)**



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

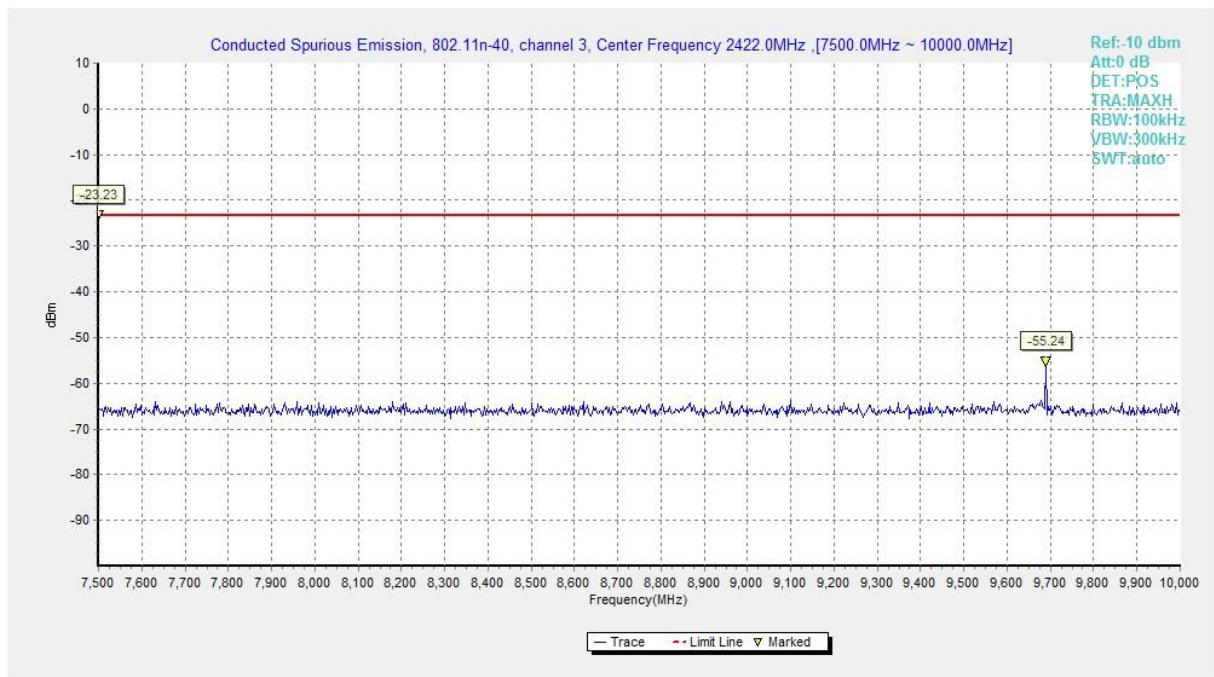


**Fig.A.6.1.75 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 1 GHz-2.5 GHz)**

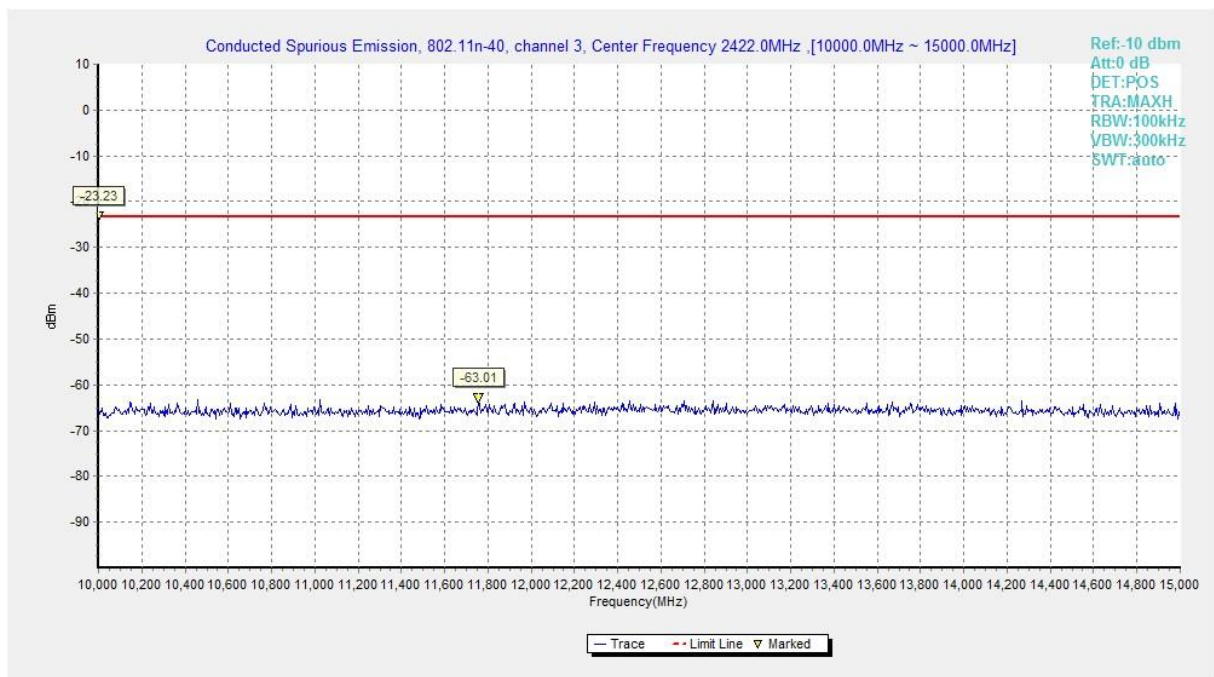


**Fig.A.6.1.76 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 2.5 GHz-7.5 GHz)**

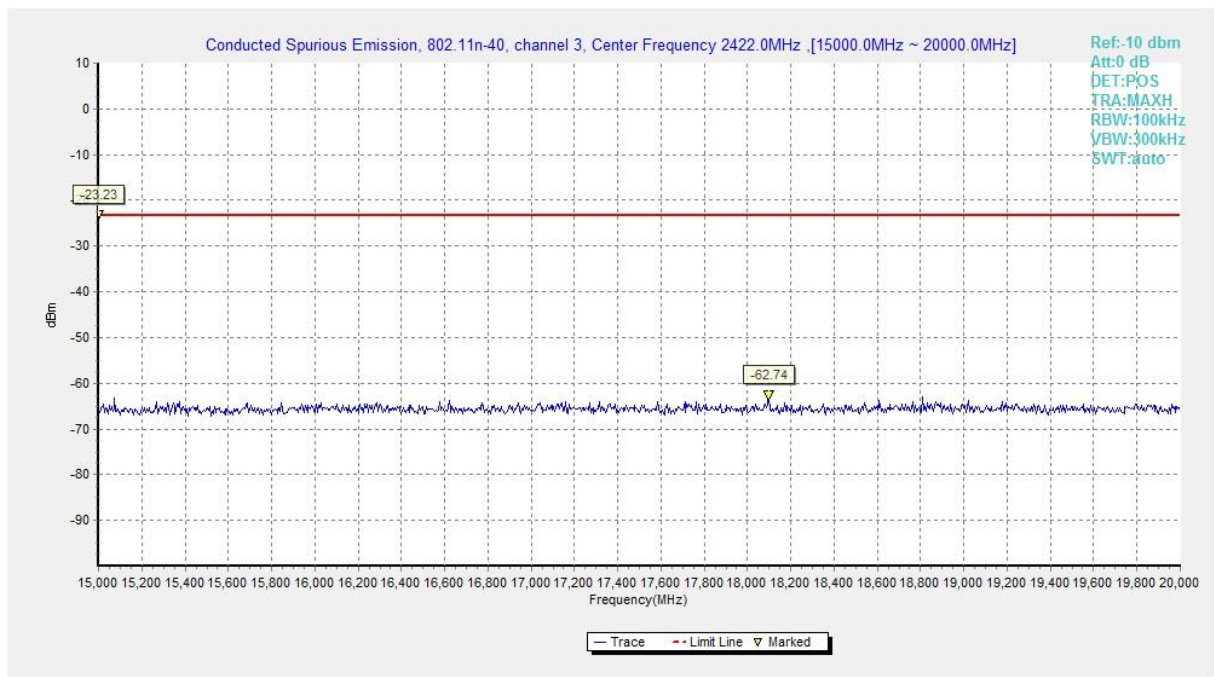




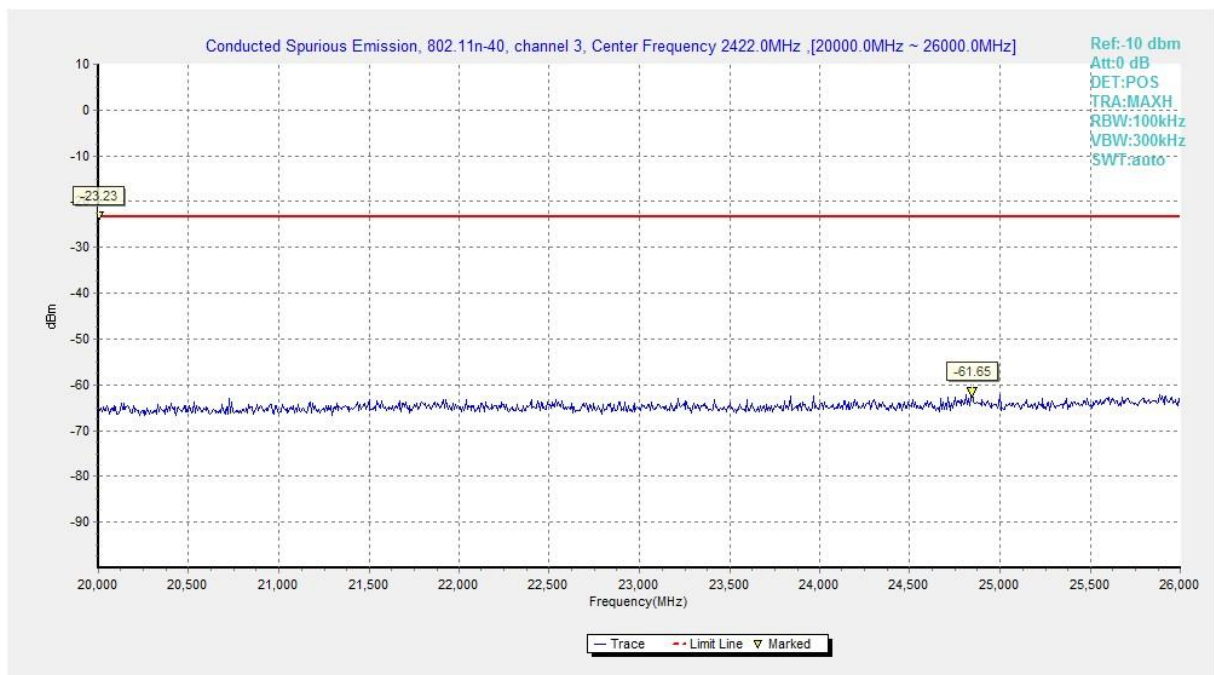
**Fig.A.6.1.77 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 7.5 GHz-10 GHz)**



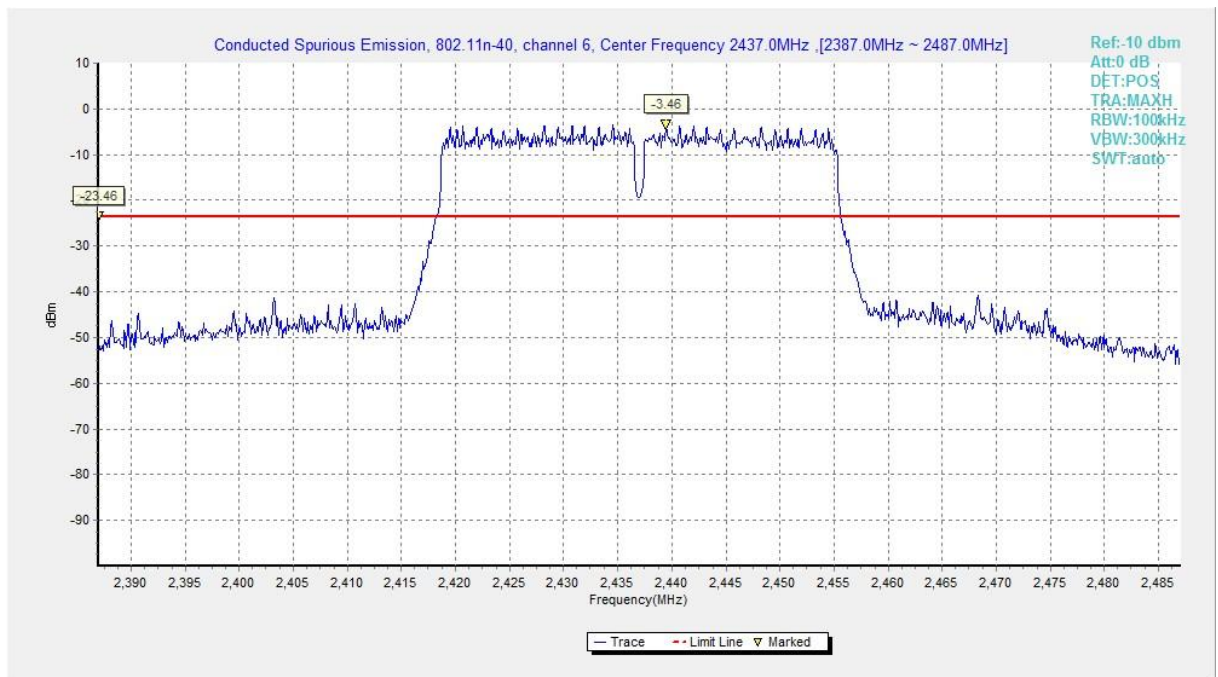
**Fig.A.6.1.78 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 10 GHz-15 GHz)**



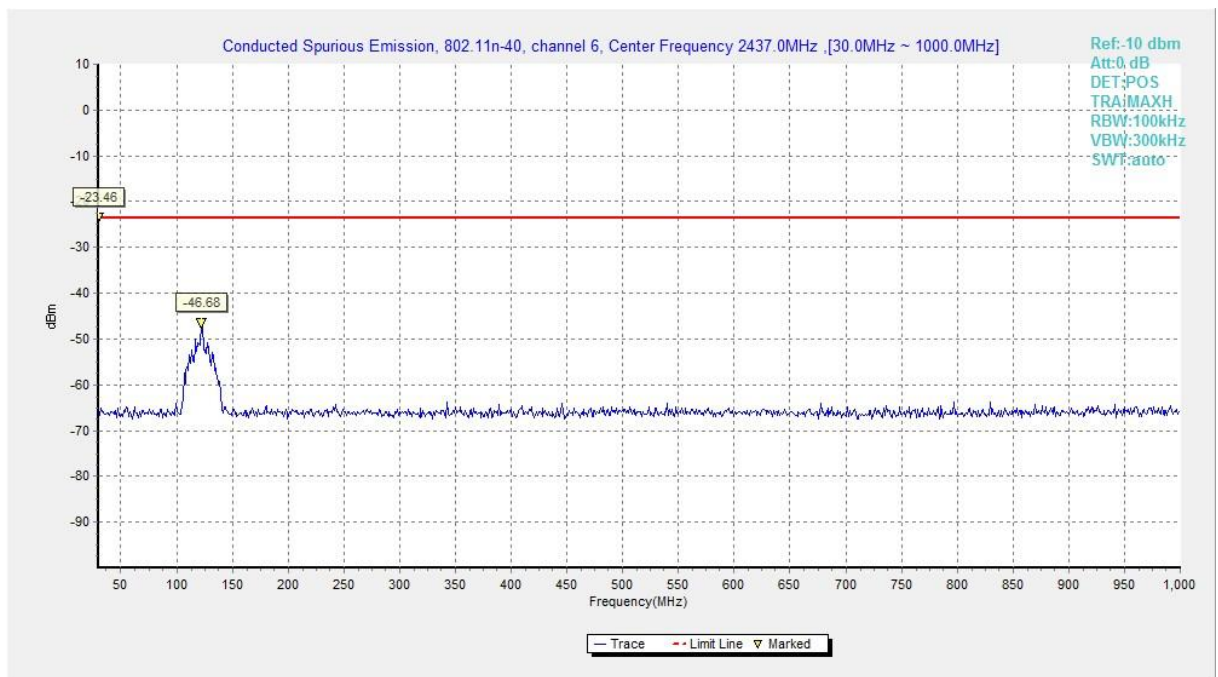
**Fig.A.6.1.79 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 15 GHz-20 GHz)**



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

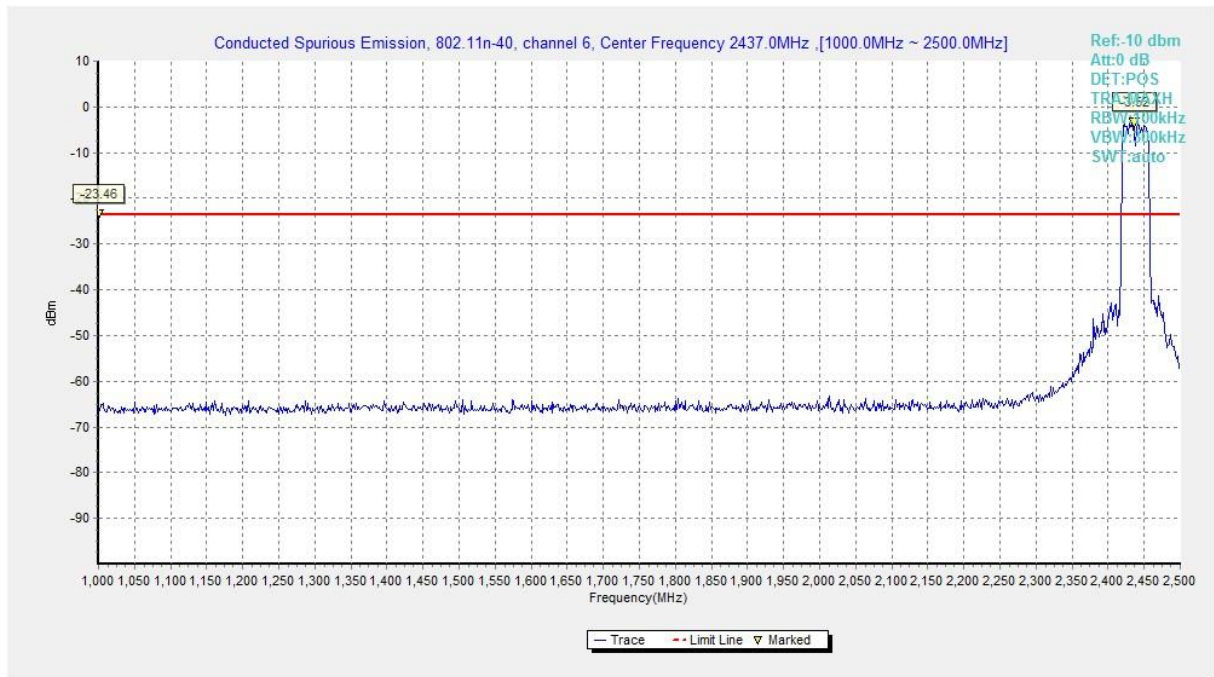


**Fig.A.6.1.81 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, Center Frequency)**

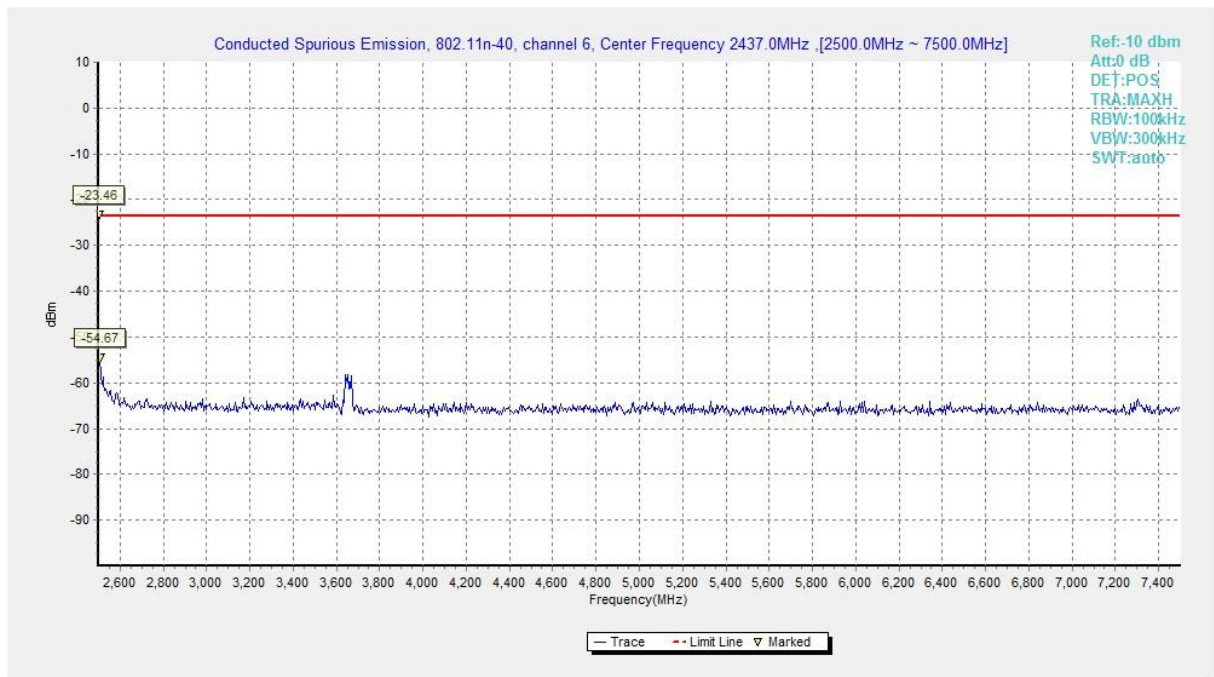


**Fig.A.6.1.82 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 30 MHz-1 GHz)**

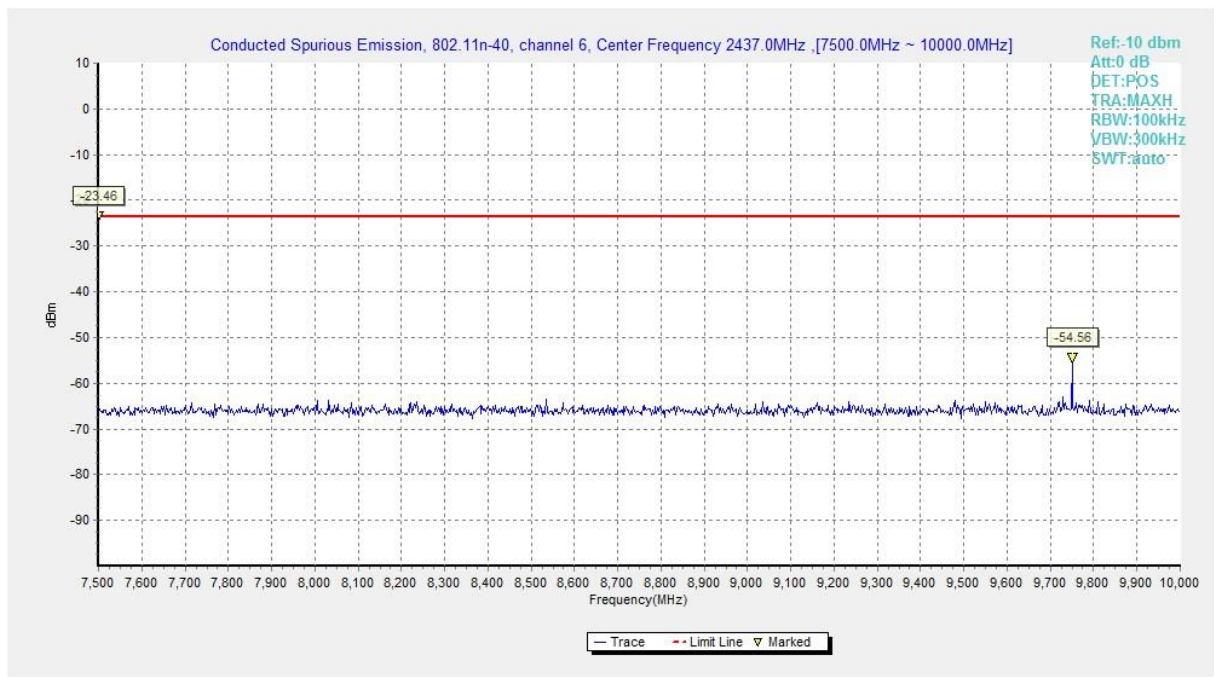




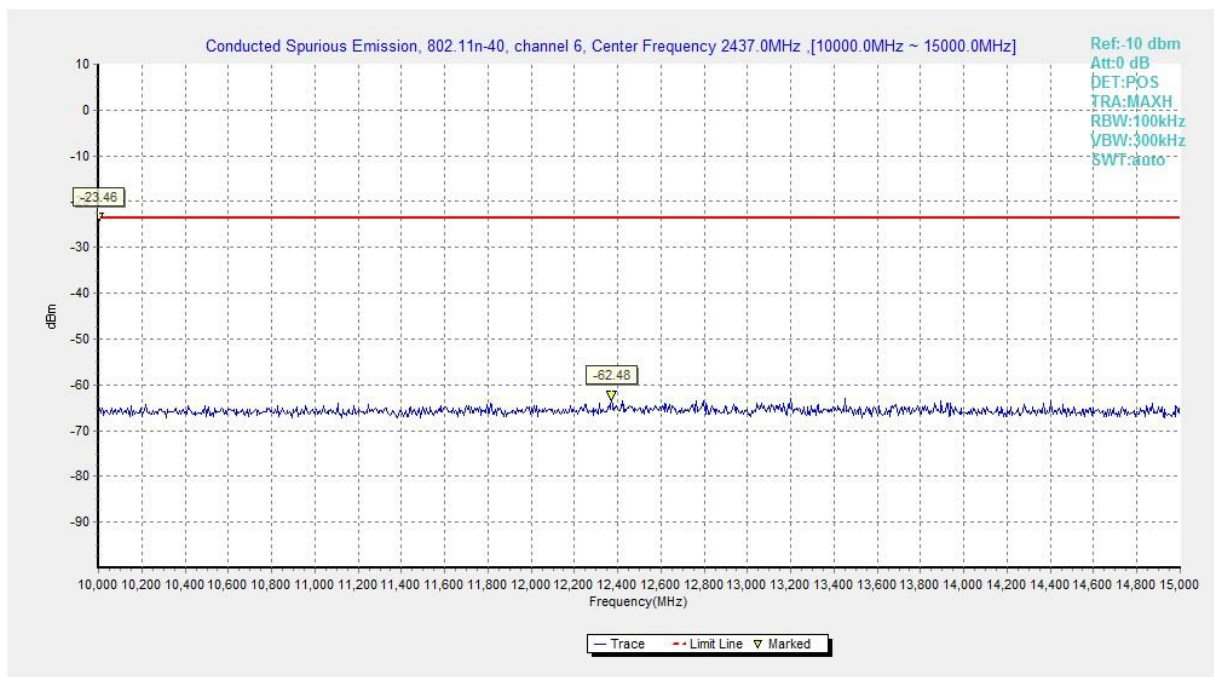
**Fig.A.6.1.83 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 1 GHz-2.5 GHz)**



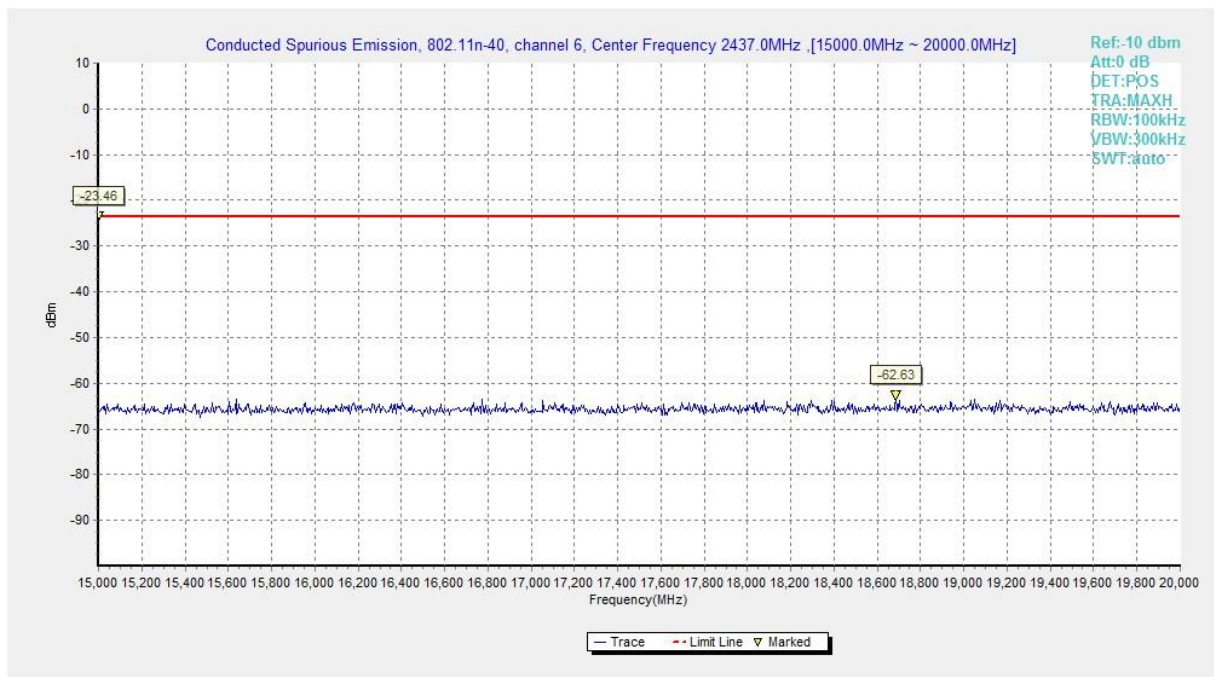
**Fig.A.6.1.84 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 2.5 GHz-7.5 GHz)**



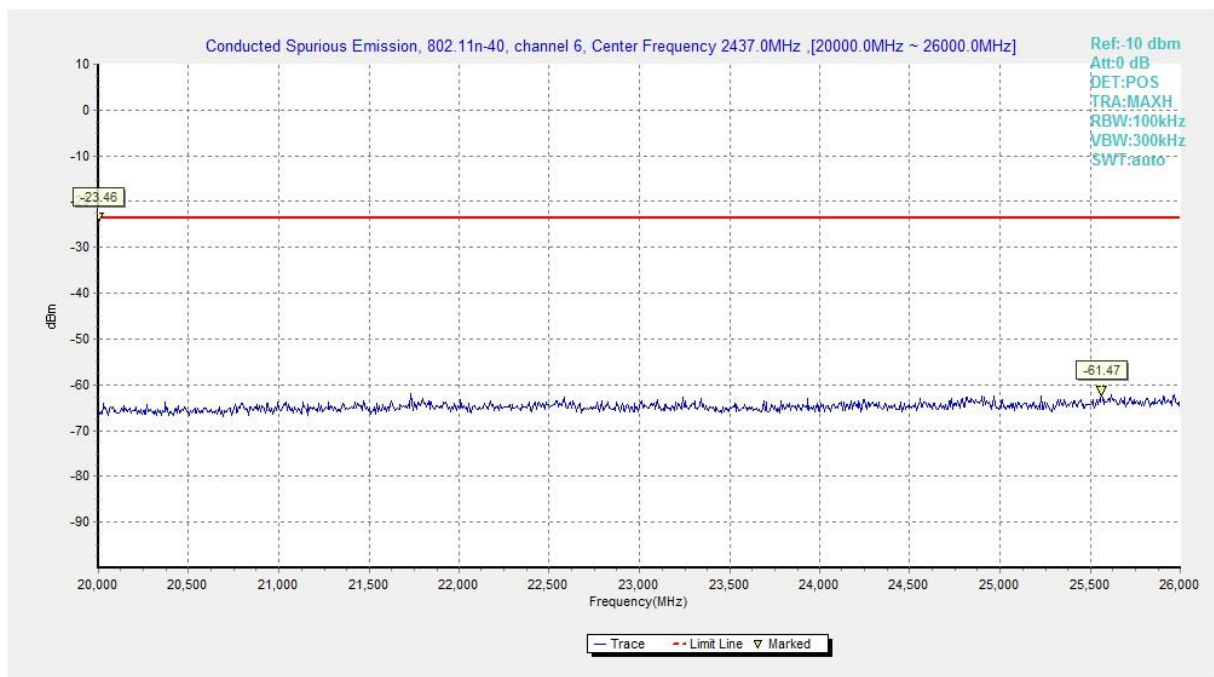
**Fig.A.6.1.85 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 7.5 GHz-10 GHz)**



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

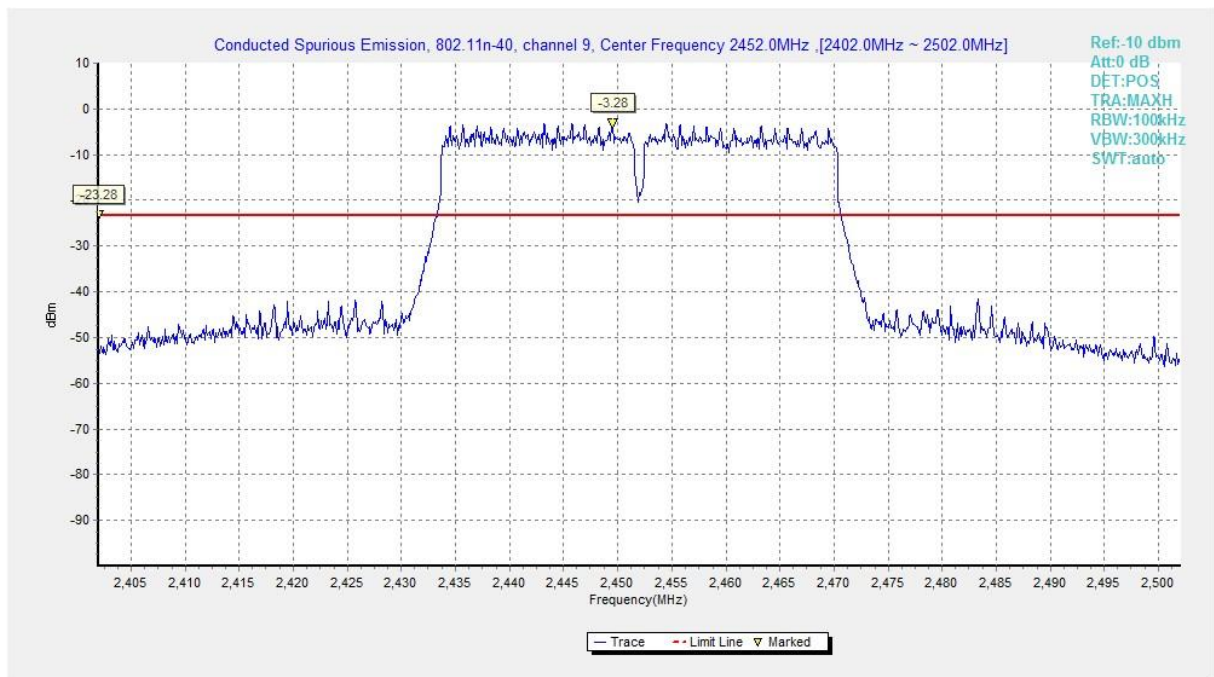


**Fig.A.6.1.87 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 15 GHz-20 GHz)**

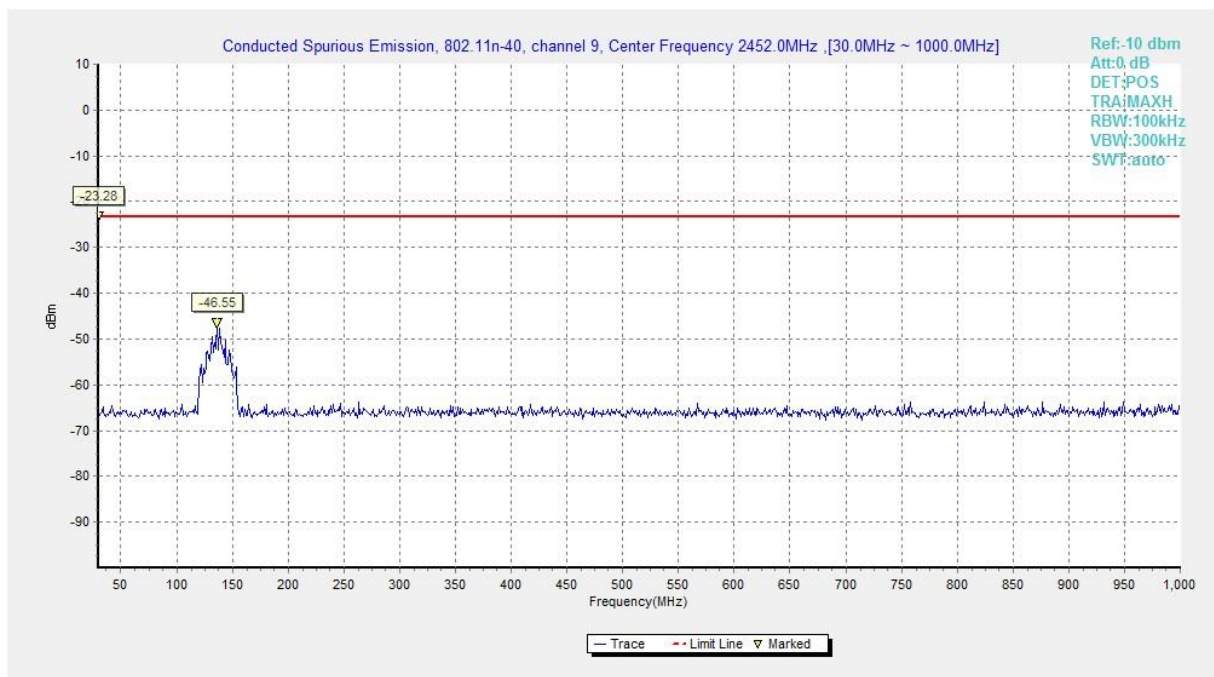


**Fig.A.6.1.88 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 20 GHz-26 GHz)**

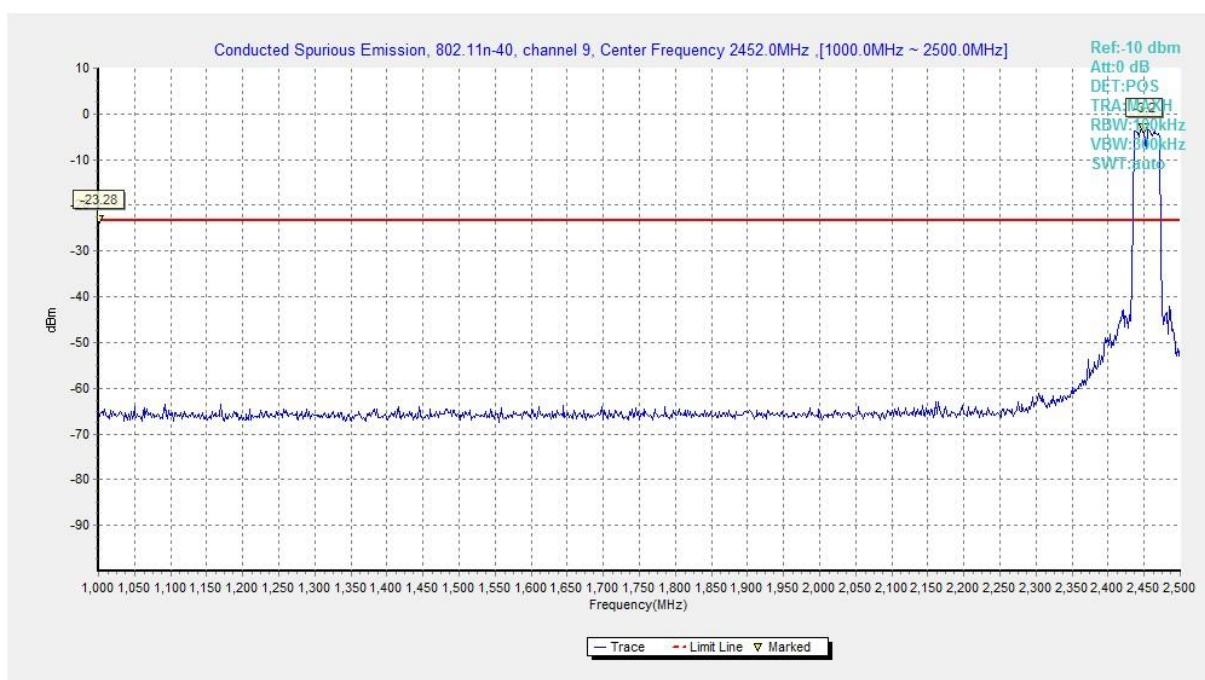




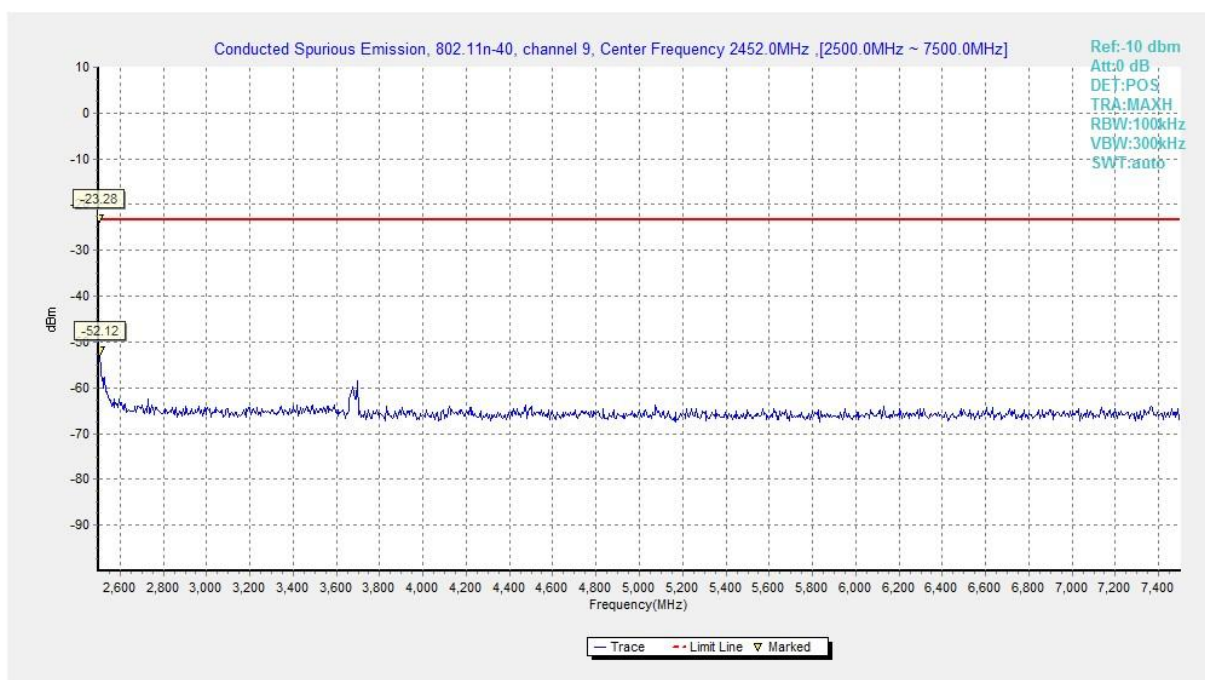
**Fig.A.6.1.89 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, Center Frequency)**



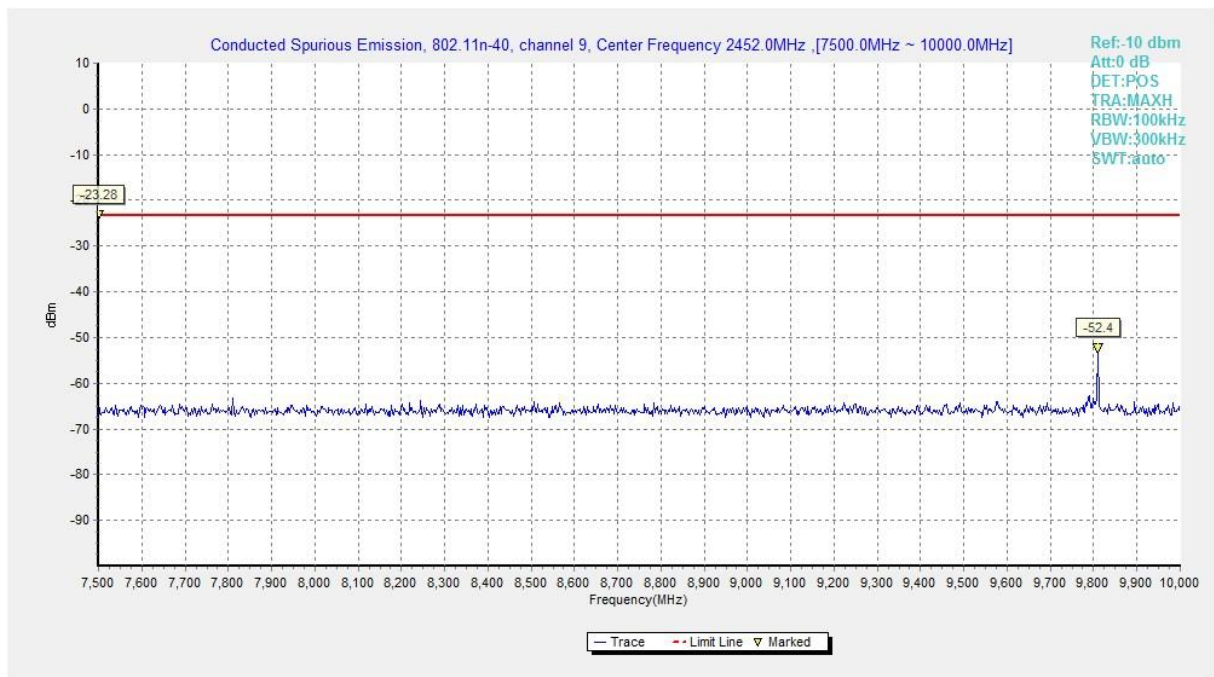
**Fig.A.6.1.90 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 30 MHz-1 GHz)**



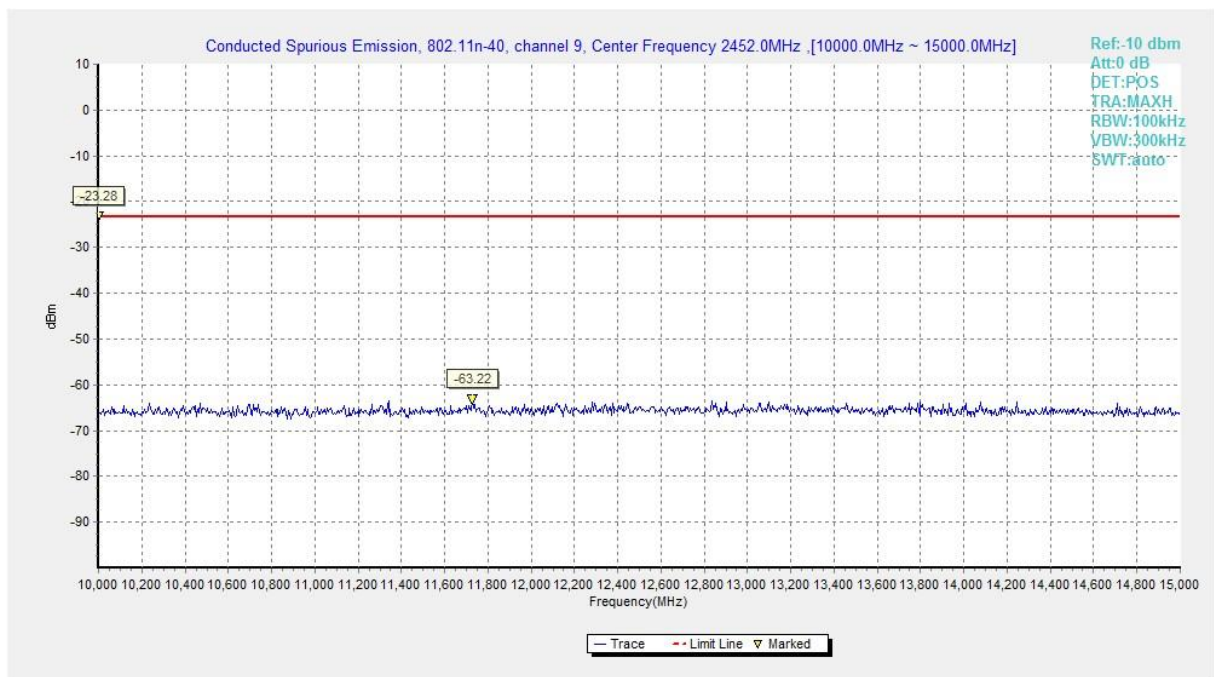
**Fig.A.6.1.91 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 1 GHz-2.5 GHz)**



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

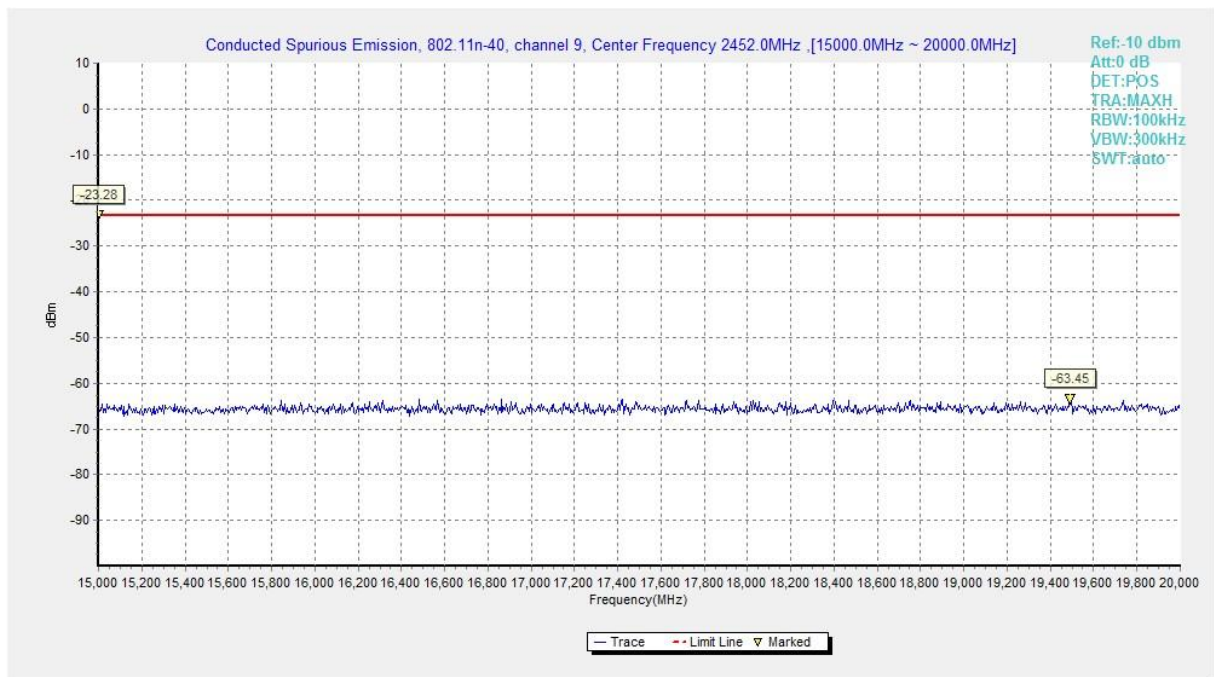


**Fig.A.6.1.93 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 7.5 GHz-10 GHz)**

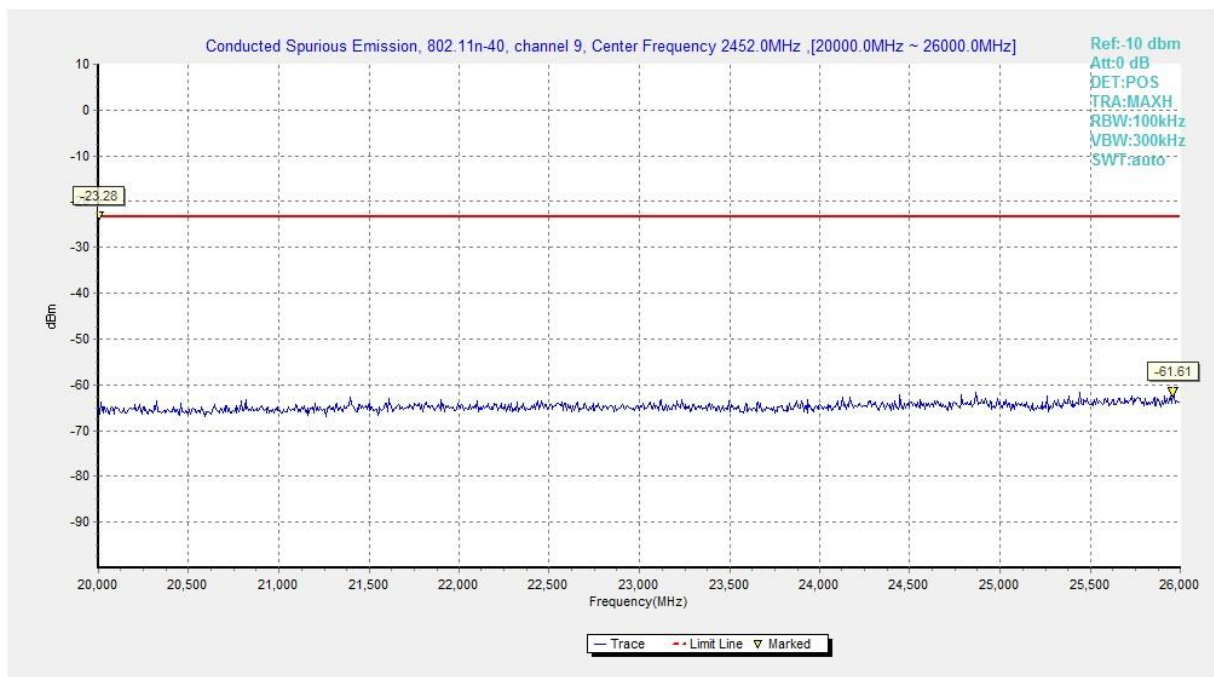


**Fig.A.6.1.94 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 10 GHz-15 GHz)**





**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) |
|-----------------------------|----------------------|------------------------|
| 30-88                       | 100                  | 40                     |
| 88-216                      | 150                  | 43.5                   |
| 216-960                     | 200                  | 46                     |
| Above 960                   | 500                  | 54                     |

| 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                       |

**Test Condition**

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

| Frequency of emission (MHz) | RBW/VBW       | Sweep Time(s) |
|-----------------------------|---------------|---------------|
| 30-1000                     | 100KHz/300KHz | 5             |
| 1000-4000                   | 1MHz/1MHz     | 15            |
| 4000-18000                  | 1MHz/1MHz     | 40            |
| 18000-26500                 | 1MHz/1MHz     | 20            |

**EUT ID: EUT1**

**Measurement Results:**
**802.11b mode**

| Mode    | Channel | Frequency Range  | Test Results | Conclusion |
|---------|---------|------------------|--------------|------------|
| 802.11b | Power   | 2.38GHz ~2.45GHz | Fig.A.6.2.1  | <b>P</b>   |
|         | 1       | 1 GHz ~ 3 GHz    | Fig.A.6.2.2  | <b>P</b>   |
|         |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.3  | <b>P</b>   |
|         | 6       | 9 kHz ~30 MHz    | Fig.A.6.2.4  | <b>P</b>   |
|         |         | 30 MHz ~1 GHz    | Fig.A.6.2.5  | <b>P</b>   |
|         |         | 1 GHz ~ 3 GHz    | Fig.A.6.2.6  | <b>P</b>   |
|         |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.7  | <b>P</b>   |
|         |         | 18 GHz~ 26.5 GHz | Fig.A.6.2.8  | <b>P</b>   |
|         | Power   | 2.45GHz ~2.5GHz  | Fig.A.6.2.9  | <b>P</b>   |
|         | 11      | 1 GHz ~ 3 GHz    | Fig.A.6.2.10 | <b>P</b>   |
|         |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.11 | <b>P</b>   |

**802.11g mode**

| Mode    | Channel | Frequency Range  | Test Results | Conclusion |
|---------|---------|------------------|--------------|------------|
| 802.11g | Power   | 2.38GHz ~2.43GHz | Fig.A.6.2.12 | <b>P</b>   |
|         | 1       | 1 GHz ~ 3 GHz    | Fig.A.6.2.13 | <b>P</b>   |
|         |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.14 | <b>P</b>   |
|         | 6       | 30 MHz ~1 GHz    | Fig.A.6.2.15 | <b>P</b>   |
|         |         | 1 GHz ~ 3 GHz    | Fig.A.6.2.16 | <b>P</b>   |
|         |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.17 | <b>P</b>   |
|         |         | 18 GHz~ 26.5 GHz | Fig.A.6.2.18 | <b>P</b>   |
|         | Power   | 2.45GHz ~2.5GHz  | Fig.A.6.2.19 | <b>P</b>   |
|         | 11      | 1 GHz ~ 3 GHz    | Fig.A.6.2.20 | <b>P</b>   |
|         |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.21 | <b>P</b>   |

**802.11n-HT20 mode**

| Mode              | Channel | Frequency Range  | Test Results | Conclusion |
|-------------------|---------|------------------|--------------|------------|
| 802.11n<br>(HT20) | Power   | 2.38GHz ~2.45GHz | Fig.A.6.2.22 | <b>P</b>   |
|                   | 1       | 1 GHz ~ 3 GHz    | Fig.A.6.2.23 | <b>P</b>   |
|                   |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.24 | <b>P</b>   |
|                   | 6       | 30 MHz ~1 GHz    | Fig.A.6.2.25 | <b>P</b>   |
|                   |         | 1 GHz ~ 3 GHz    | Fig.A.6.2.26 | <b>P</b>   |
|                   |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.27 | <b>P</b>   |
|                   |         | 18 GHz~ 26.5 GHz | Fig.A.6.2.28 | <b>P</b>   |
|                   | Power   | 2.45GHz ~2.5GHz  | Fig.A.6.2.29 | <b>P</b>   |
|                   | 11      | 1 GHz ~ 3 GHz    | Fig.A.6.2.30 | <b>P</b>   |
|                   |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.31 | <b>P</b>   |



**802.11n-HT40 mode**

| Mode              | Channel | Frequency Range  | Test Results | Conclusion |
|-------------------|---------|------------------|--------------|------------|
| 802.11n<br>(HT40) | Power   | 2.38GHz ~2.45GHz | Fig.A.6.2.32 | <b>P</b>   |
|                   | 3       | 1 GHz ~ 3 GHz    | Fig.A.6.2.33 | <b>P</b>   |
|                   |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.34 | <b>P</b>   |
|                   | 6       | 30 MHz ~1 GHz    | Fig.A.6.2.35 | <b>P</b>   |
|                   |         | 1 GHz ~ 3 GHz    | Fig.A.6.2.36 | <b>P</b>   |
|                   |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.37 | <b>P</b>   |
|                   |         | 18 GHz~ 26.5 GHz | Fig.A.6.2.38 | <b>P</b>   |
|                   | Power   | 2.45GHz ~2.5GHz  | Fig.A.6.2.39 | <b>P</b>   |
|                   | 9       | 1 GHz ~ 3 GHz    | Fig.A.6.2.40 | <b>P</b>   |
|                   |         | 3 GHz ~ 18 GHz   | Fig.A.6.2.41 | <b>P</b>   |

**Conclusion: Pass**

**Note:**

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

**802.11b**

Ch1

| Frequency(MHz) | Result (dBuV/m) | Cable Loss(dB) | Antenna Factor | $P_{Mea}$ (dBuV/m) | Polarization |
|----------------|-----------------|----------------|----------------|--------------------|--------------|
| 2389.700       | 44.2            | -38.8          | 27.7           | 55.300             | V            |
| 17971.500      | 52.8            | -17.7          | 45.6           | 24.900             | H            |
| 17920.500      | 52.8            | -17.7          | 45.6           | 24.900             | V            |
| 17907.000      | 52.7            | -18.5          | 45.6           | 25.600             | V            |
| 17904.000      | 52.5            | -18.5          | 45.6           | 25.400             | H            |
| 17824.500      | 52.5            | -18.5          | 45.6           | 25.400             | V            |

Ch6

| Frequency(MHz) | Result (dBuV/m) | Cable Loss(dB) | Antenna Factor | $P_{Mea}$ (dBuV/m) | Polarization |
|----------------|-----------------|----------------|----------------|--------------------|--------------|
| 17997.000      | 53.1            | -17.7          | 45.6           | 25.200             | V            |
| 17656.500      | 53.1            | -18.9          | 45.6           | 26.400             | H            |
| 17934.000      | 53.0            | -17.7          | 45.6           | 25.100             | V            |
| 17905.500      | 52.9            | -18.5          | 45.6           | 25.800             | H            |
| 17952.000      | 52.9            | -17.7          | 45.6           | 25.000             | V            |
| 17776.500      | 52.7            | -18.5          | 45.6           | 25.600             | H            |