

FCC Test Report

FCC ID : VQK-F03F
Equipment : Mobile Phone
Model No. : F-03F
Brand Name : FUJITSU
Applicant : FUJITSU LIMITED
Address : 1-1, Kamikodanaka 4-chome, Nakahara-ku,
Kawasaki 211-8588, Japan
Standard : 47 CFR FCC Part 15.247
Received Date : Sep. 13, 2013
Tested Date : Oct. 04 ~ Oct. 16, 2013

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Approved & Reviewed by:



Gary Chang / Manager

Table of Contents

| | | |
|----------|--|-----------|
| 1 | GENERAL DESCRIPTION | 5 |
| 1.1 | Information..... | 5 |
| 1.2 | Local Support Equipment List | 7 |
| 1.3 | Test Setup Chart | 8 |
| 1.4 | The Equipment List | 9 |
| 1.5 | Test Standards | 11 |
| 1.6 | Measurement Uncertainty | 11 |
| 2 | TEST CONFIGURATION | 12 |
| 2.1 | Testing Condition | 12 |
| 2.2 | The Worst Test Modes and Channel Details | 12 |
| 3 | TRANSMITTER TEST RESULTS..... | 13 |
| 3.1 | Conducted Emissions..... | 13 |
| 3.2 | 6dB and Occupied Bandwidth | 18 |
| 3.3 | RF Output Power | 21 |
| 3.4 | Power Spectral Density | 23 |
| 3.5 | Unwanted Emissions into Restricted Frequency Bands | 25 |
| 3.6 | Unwanted Emissions into Non-Restricted Frequency Bands | 49 |
| 4 | TEST LABORATORY INFORMATION | 56 |

Release Record

| Report No. | Version | Description | Issued Date |
|------------|---------|---------------|---------------|
| FR391304AC | Rev. 01 | Initial issue | Oct. 21, 2013 |

Summary of Test Results

| FCC Rules | Test Items | Measured | Result |
|---------------------|-----------------------------------|---|--------|
| 15.207 | Conducted Emissions | [dBuV]: 3.107MHz 33.15 (Margin -12.85dB) - AV | Pass |
| 15.247(d) 15.209 | Radiated Emissions | [dBuV/m at 3m]: 2483.50 71.82 (Margin -2.18dB) - PK | Pass |
| 15.247(b)(3) | Fundamental Emission Output Power | Power [dBm]: 11b: 14.57 11g: 16.24 HT20: 15.95 | Pass |
| 15.247(a)(2) | 6dB Bandwidth | Meet the requirement of limit | Pass |
| 15.247(e) | Power Spectral Density | Meet the requirement of limit | Pass |
| 15.203 | Antenna Requirement | Meet the requirement of limit | Pass |

1 General Description

1.1 Information

1.1.1 Product Details

| | |
|--------------|---|
| Product Name | Mobile Phone |
| Brand Name | FUJITSU |
| Model Name | F-03F |
| IMEI Code | 353704050015387, 353704050015494, 353704050000330 |
| H/W Version | V2.1.0 |
| S/W Version | R17.1e |

1.1.2 Specification of the Equipment under Test (EUT)

| RF General Information | | | | | |
|--|------------------|-----------------|----------------|------------------------------------|-----------------|
| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Freq. (MHz) | Channel Number | Transmit Chains (N _{TX}) | Data Rate / MCS |
| 2400-2483.5 | b | 2412-2462 | 1-11 [11] | 1 | 1-11 Mbps |
| 2400-2483.5 | g | 2412-2462 | 1-11 [11] | 1 | 6-54 Mbps |
| 2400-2483.5 | n (HT20) | 2412-2462 | 1-11 [11] | 1 | MCS 0-7 |
| Note 1: RF output power specifies that Maximum Peak Conducted Output Power. Note 2: 802.11b uses a combination of DSSS-DBPSK, DQPSK, CCK modulation. Note 3: 802.11g/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation. | | | | | |

1.1.3 Antenna Details

| Ant. No. | Type | Gain (dBi) | Connector | Remark |
|----------|----------------------|------------|-----------|--------|
| 1 | $\lambda/4$ Monopole | 0 | --- | --- |

1.1.4 EUT Operational Condition

| | | | |
|-------------------|--|---|---|
| Supply Voltage | <input checked="" type="checkbox"/> AC mains | <input checked="" type="checkbox"/> DC | |
| Type of DC Source | <input type="checkbox"/> Internal DC supply | <input checked="" type="checkbox"/> External DC adapter | <input checked="" type="checkbox"/> Battery |

1.1.5 Accessories

| Accessories | | |
|-------------|-----------|--|
| No. | Equipment | Description |
| 1 | Battery | Brand Name: Fujitsu limited Model Name: CA54310-0045 Power Rating: O/P: 3.8Vdc, 2600mA |
| 2 | Cradle | Brand Name: Fujitsu limited Model Name: F44 Power Rating: O/P: 5.0Vdc, 1.5A |

1.1.6 Channel List

| Frequency band (MHz) | |
|-----------------------|----------------|
| 802.11 b / g / n HT20 | |
| Channel | Frequency(MHz) |
| 1 | 2412 |
| 2 | 2417 |
| 3 | 2422 |
| 4 | 2427 |
| 5 | 2432 |
| 6 | 2437 |
| 7 | 2442 |
| 8 | 2447 |
| 9 | 2452 |
| 10 | 2457 |
| 11 | 2462 |

1.1.7 Test Tool and Duty Cycle

| Test Tool | QRCT, Ver 3.0.6.0 | | |
|----------------------------|-------------------|----------------|------------------|
| Duty Cycle and Duty Factor | Mode | Duty cycle (%) | Duty factor (dB) |
| | 11b | 98.62% | 0.06 |
| | 11g | 88.37% | 0.54 |
| | HT20 | 87.69% | 0.57 |

1.1.8 Power Setting

| Channel | Frequency(MHz) | 11b | 11g | HT20 |
|---------|----------------|-------|-------|-------|
| 1 | 2412 | 10/0 | 11/1 | 9/-1 |
| 6 | 2437 | 10/0 | 11/1 | 11/-1 |
| 11 | 2462 | 10/-2 | 11/-1 | 8/2 |

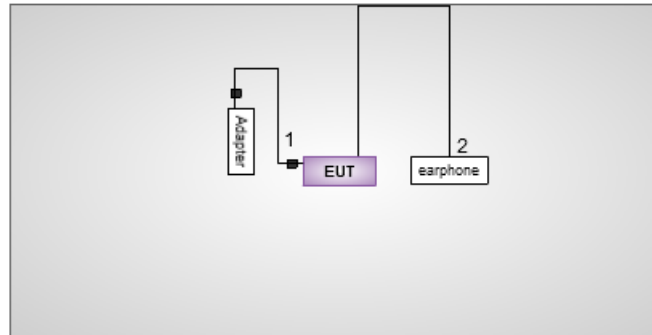
1.2 Local Support Equipment List

| Support Equipment List | | | | | | |
|------------------------|-----------|------------|---------------|-----|--------|------------------------------|
| No. | Equipment | Brand | Model | S/N | FCC ID | Signal cable / Length (m) |
| 1 | Adapter | NTT docomo | AC Adaptor 04 | --- | --- | 1m non-shielded with 2 cores |
| 2 | Earphone | Apple | MD827FE/A | --- | --- | 1.2m non-shielded w/o core |

Note: Item 1 was provided by client.

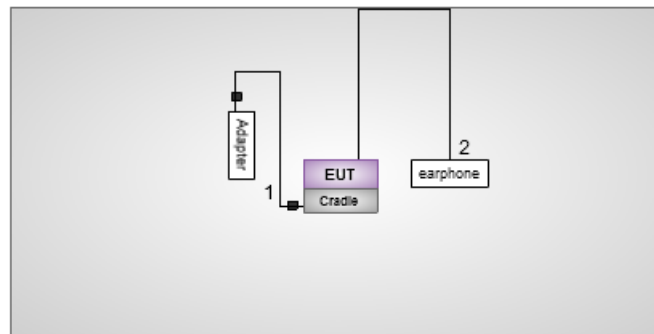
1.3 Test Setup Chart

Test Setup Diagram (Adapter mode)



1. 1m non-shielded with 2 cores
2. 1.2m non-shielded w/o core

Test Setup Diagram (Cradle mode)



1. 1m non-shielded with 2 cores
2. 1.2m non-shielded w/o core

1.4 The Equipment List

| | | | | | |
|---|------------------------------|------------------|-------------------|-------------------------|--------------------------|
| Test Item | Radiated Emission above 1GHz | | | | |
| Test Site | 966 chamber1 / (03CH01-WS) | | | | |
| Instrument | Manufacturer | Model No. | Serial No. | Calibration Date | Calibration Until |
| 3m semi-anechoic chamber | CHAMPRO | SAC-03 | 03CH01-WS | Jan. 04, 2013 | Jan. 03, 2014 |
| Spectrum Analyzer | R&S | FSV40 | 101498 | Jan. 24, 2013 | Jan. 23, 2014 |
| Receiver | R&S | ESR3 | 101658 | Jan. 28, 2013 | Jan. 27, 2014 |
| Bilog Antenna | SCHWARZBECK | VULB9168 | VULB9168-522 | Jan. 11, 2013 | Jan. 10, 2014 |
| Horn Antenna 1G-18G | SCHWARZBECK | BBHA 9120 D | BBHA 9120 D 1096 | Feb. 18, 2013 | Feb. 17, 2014 |
| Horn Antenna 18G-40G | SCHWARZBECK | BBHA 9170 | BBHA 9170517 | Jan. 14, 2013 | Jan. 13, 2014 |
| Amplifier | Burgeon | BPA-530 | 100219 | Nov. 28, 2012 | Nov. 27, 2013 |
| Amplifier | Agilent | 83017A | MY39501308 | Dec. 18, 2012 | Dec. 17, 2013 |
| RF Cable | HUBER+SUHNER | SUCOFLEX104 | MY16014/4 | Dec. 25, 2012 | Dec. 24, 2013 |
| RF Cable | HUBER+SUHNER | SUCOFLEX104 | MY16019/4 | Dec. 25, 2012 | Dec. 24, 2013 |
| RF Cable | HUBER+SUHNER | SUCOFLEX104 | MY16139/4 | Dec. 25, 2012 | Dec. 24, 2013 |
| RF Cable-R03m | Woken | CFD400NL-LW | CFD400NL-001 | Dec. 25, 2012 | Dec. 24, 2013 |
| RF Cable-R10m | Woken | CFD400NL-LW | CFD400NL-002 | Dec. 25, 2012 | Dec. 24, 2013 |
| control | EM Electronics | EM1000 | 60612 | N/A | N/A |
| Note: Calibration Interval of instruments listed above is one year. | | | | | |

| | | | | | |
|---|-------|---------------|---------|---------------|---------------|
| Loop Antenna | R&S | HFH2-Z2 | 100330 | Nov. 15, 2012 | Nov. 14, 2014 |
| Amplifier | MITEQ | AMF-6F-260400 | 9121372 | Apr. 19, 2013 | Apr. 18, 2015 |
| Note: Calibration Interval of instruments listed above is two year. | | | | | |

| | | | | | |
|---|---------------------|------------------|-------------------|-------------------------|--------------------------|
| Test Item | RF Conducted | | | | |
| Test Site | (TH01-WS) | | | | |
| Instrument | Manufacturer | Model No. | Serial No. | Calibration Date | Calibration Until |
| Spectrum Analyzer | R&S | FSV 40 | 101063 | Feb. 18, 2013 | Feb. 17, 2014 |
| TEMP&HUMIDITY CHAMBER | GIANT FORCE | GCT-225-40-SP-SD | MAF1212-002 | Nov. 29, 2012 | Nov. 28, 2013 |
| Power Meter | Anritsu | ML2495A | 1218007 | Oct. 22, 2012 | Oct. 21, 2013 |
| Power Sensor | Anritsu | MA2411B | 1207367 | Oct. 22, 2012 | Oct. 21, 2013 |
| Signal Generator | R&S | SMB100A | 175727 | Jan. 14, 2013 | Jan. 13, 2014 |
| Note: Calibration Interval of instruments listed above is one year. | | | | | |

| | | | | | |
|---|--------------------------------|------------------|-------------------|-------------------------|--------------------------|
| Test Item | Conducted Emission | | | | |
| Test Site | Conduction room 1 / (CO01-WS) | | | | |
| Instrument | Manufacturer | Model No. | Serial No. | Calibration Date | Calibration Until |
| EMC Receiver | R&S | ESCS 30 | 100169 | Oct. 15, 2013 | Oct. 14, 2014 |
| LISN | SCHWARZBECK MESS-ELEKTRONIK | Schwarzbeck 8127 | 8127-667 | Dec. 04, 2012 | Dec. 03, 2013 |
| LISN (Support Unit) | SCHWARZBECK MESS-ELEKTRONIK | Schwarzbeck 8127 | 8127-666 | Dec. 04, 2012 | Dec. 03, 2013 |
| ISN | TESEQ | ISN T800 | 34406 | Apr. 08, 2013 | Apr. 07, 2014 |
| ISN | TESEQ | ISN T200A | 30494 | Apr. 09, 2013 | Apr. 08, 2014 |
| ISN | TESEQ | ISN ST08 | 22589 | Jan. 24, 2013 | Jan. 23, 2014 |
| RF Current Probe | FCC | F-33-4 | 121630 | Dec. 04, 2012 | Dec. 03, 2013 |
| RF Cable-CON | Woken | CFD200-NL | CFD200-NL-001 | Dec. 25, 2012 | Dec. 24, 2013 |
| ESH3-Z6 V-Network(+) | R&S | ESH3-Z6 | 100920 | Nov. 21, 2012 | Nov. 20, 2013 |
| ESH3-Z6 V-Network(-) | R&S | ESH3-Z6 | 100951 | Jan. 30, 2013 | Jan. 29, 2014 |
| Two-Line V-Network | R&S | ENV216 | 101579 | Jan. 07, 2013 | Jan. 06, 2014 |
| 50 ohm terminal | NA | 50 | 01 | Apr. 22, 2013 | Apr. 21, 2014 |
| 50 ohm terminal (Support Unit) | NA | 50 | 04 | Apr. 22, 2013 | Apr. 21, 2014 |
| Note: Calibration Interval of instruments listed above is one year. | | | | | |

1.5 Test Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.247

ANSI C63.10-2009

FCC KDB 558074 D01 DTS Meas Guidance v03r01

Note: The EUT has been tested and complied with FCC part 15B requirement. FCC Part 15B test results are issued to another report.

1.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$))

| Measurement Uncertainty | |
|-------------------------|-----------------|
| Parameters | Uncertainty |
| Bandwidth | ± 35.286 Hz |
| Conducted power | ± 0.536 dB |
| Frequency error | ± 35.286 Hz |
| Temperature | ± 0.3 °C |
| Conducted emission | ± 2.946 dB |
| AC conducted emission | ± 2.43 dB |
| Radiated emission | ± 2.49 dB |

2 Test Configuration

2.1 Testing Condition

| Test Item | Test Site | Ambient Condition | Tested By | Tested Date |
|--------------------|-----------|-------------------|-----------|------------------------|
| AC Conduction | CO01-WS | 21°C / 66% | Peter Lin | Oct. 16, 2013 |
| Radiated Emissions | 03CH01-WS | 21°C / 66% | Peter Lin | Oct. 04~ Oct. 11, 2013 |
| RF Conducted | TH01-WS | 24°C / 61% | Brad Wu | Oct. 10, 2013 |

➤ FCC site registration No.: 657002

➤ IC site registration No.: 10807A-1

2.2 The Worst Test Modes and Channel Details

| Test item | Modulation Mode | Test Frequency (MHz) | Data rate (Mbps) / MCS | Test Configuration |
|-----------------------------------|--------------------|--|---------------------------|--------------------|
| Conducted Emissions | 11g | 2462 | 6 Mbps | 1, 2 |
| Radiated Emissions < 1GHz | 11g | 2462 | 6 Mbps | 1, 2 |
| Radiated Emissions > 1GHz | 11b 11g HT20 | 2412 / 2437 / 2462 2412 / 2437 / 2462 2412 / 2437 / 2462 | 1 Mbps 6 Mbps MCS 0 | 1 |
| Fundamental Emission Output Power | 11b | 2412 / 2437 / 2462 | 1 Mbps | 1 |
| 6dB bandwidth | 11g | 2412 / 2437 / 2462 | 6 Mbps | |
| Power spectral density | HT20 | 2412 / 2437 / 2462 | MCS 0 | |

NOTE:

- The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Z-plane** results were found as the worst case and were shown in this report.
- The EUT had been tested by following test configurations for radiated emission below 1GHz.
 - Configuration 1 : Adapter mode
 - Configuration 2 : Cradle mode
- Adapter and cradle mode had been pretested for radiated emission above 1GHz and found that the adapter mode was the worst case and was selected for final test.

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

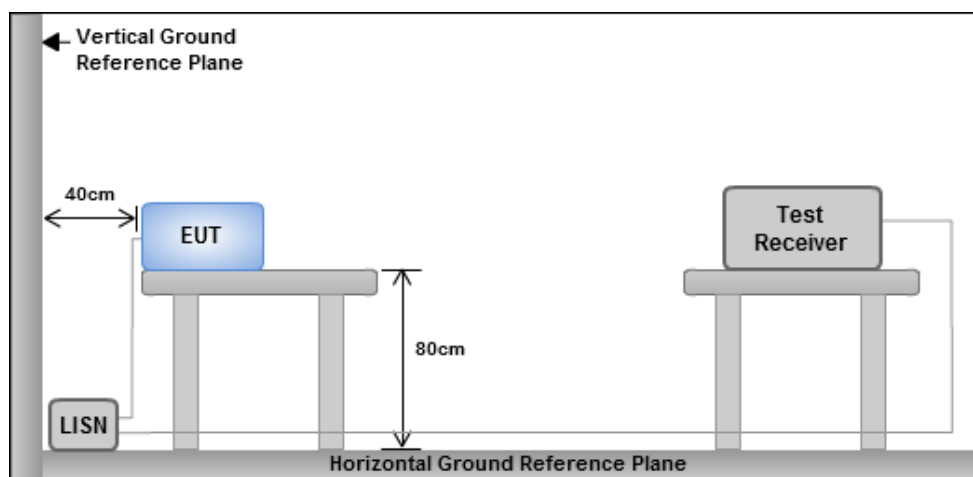
| Conducted Emissions Limit | | |
|---------------------------|------------|-----------|
| Frequency Emission (MHz) | Quasi-Peak | Average |
| 0.15-0.5 | 66 - 56 * | 56 - 46 * |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

Note 1: * Decreases with the logarithm of the frequency.

3.1.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

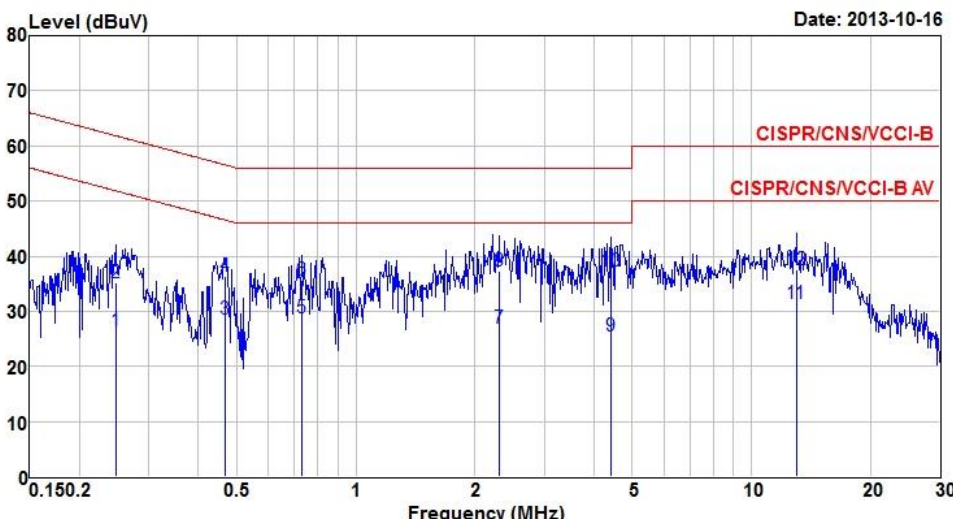
3.1.3 Test Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

| | | | |
|-------------|------|--------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2462 |
| Power Phase | Line | Test Configuration | 1 |

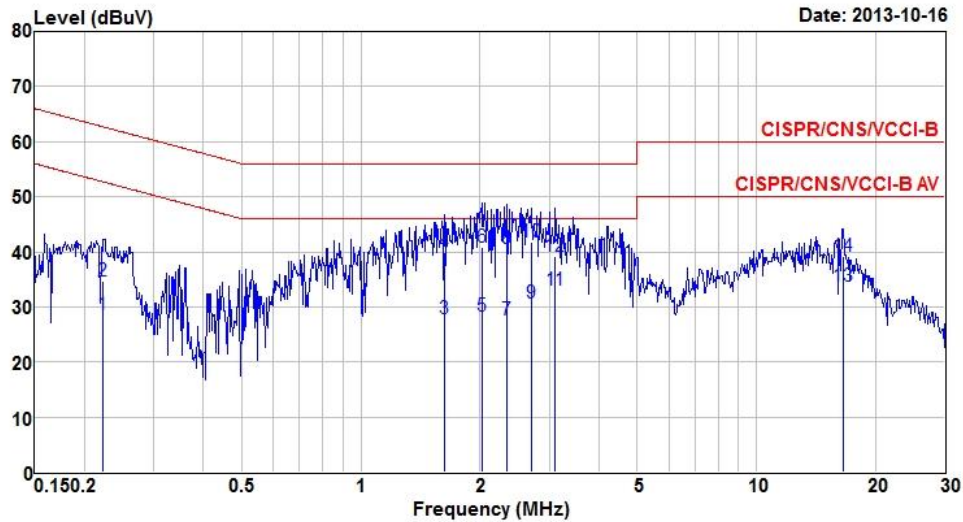


Date: 2013-10-16

| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.247 | 26.55 | 51.86 | -25.31 | 26.36 | 0.05 | 0.14 | Average |
| 2 | 0.247 | 35.17 | 61.86 | -26.69 | 34.98 | 0.05 | 0.14 | QP |
| 3 | 0.466 | 28.48 | 46.58 | -18.10 | 28.35 | 0.08 | 0.05 | Average |
| 4 | 0.466 | 36.26 | 56.58 | -20.32 | 36.13 | 0.08 | 0.05 | QP |
| 5 | 0.727 | 28.81 | 46.00 | -17.19 | 28.66 | 0.11 | 0.04 | Average |
| 6 | 0.727 | 35.67 | 56.00 | -20.33 | 35.52 | 0.11 | 0.04 | QP |
| 7 | 2.297 | 26.87 | 46.00 | -19.13 | 26.48 | 0.21 | 0.18 | Average |
| 8 | 2.297 | 37.19 | 56.00 | -18.81 | 36.80 | 0.21 | 0.18 | QP |
| 9 | 4.407 | 25.54 | 46.00 | -20.46 | 25.13 | 0.18 | 0.23 | Average |
| 10 | 4.407 | 37.31 | 56.00 | -18.69 | 36.90 | 0.18 | 0.23 | QP |
| 11 | 12.988 | 31.31 | 50.00 | -18.69 | 30.39 | 0.80 | 0.12 | Average |
| 12 | 12.988 | 37.55 | 60.00 | -22.45 | 36.63 | 0.80 | 0.12 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dBuV) = Limit Line (dBuV) – Level (dBuV).

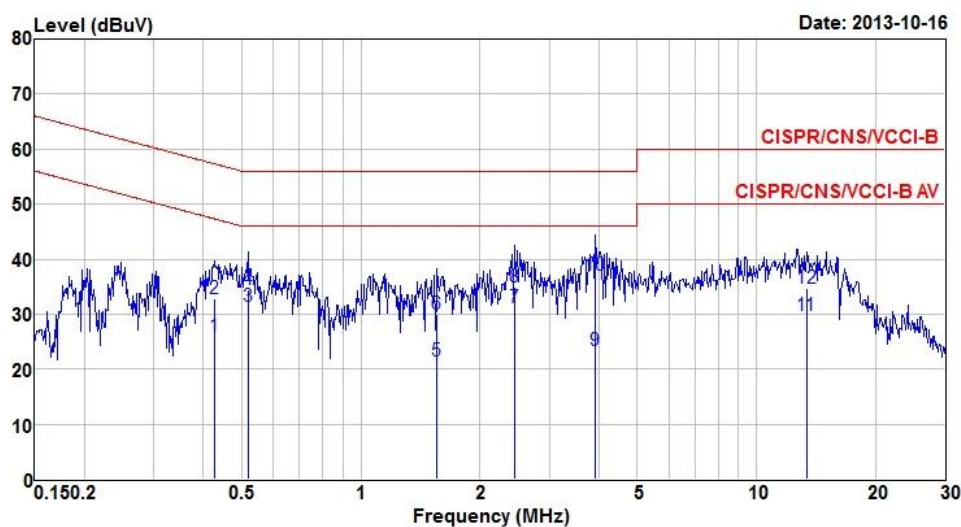
| | | | |
|-------------|---------|--------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2462 |
| Power Phase | Neutral | Test Configuration | 1 |



| | Freq | Level | Limit | Over | Read | LISN | cable | |
|----|--------|-------|-------|--------|-------|--------|-------|---------|
| | MHz | dBuV | Line | Limit | Level | factor | loss | Remark |
| | | | dBuV | dB | dBuV | dB | dB | |
| 1 | 0.223 | 28.45 | 52.70 | -24.25 | 28.25 | 0.04 | 0.16 | Average |
| 2 | 0.223 | 34.75 | 62.70 | -27.95 | 34.55 | 0.04 | 0.16 | QP |
| 3 | 1.628 | 27.74 | 46.00 | -18.26 | 27.45 | 0.17 | 0.12 | Average |
| 4 | 1.628 | 39.93 | 56.00 | -16.07 | 39.64 | 0.17 | 0.12 | QP |
| 5 | 2.023 | 28.42 | 46.00 | -17.58 | 28.07 | 0.19 | 0.16 | Average |
| 6 | 2.023 | 40.74 | 56.00 | -15.26 | 40.39 | 0.19 | 0.16 | QP |
| 7 | 2.334 | 27.56 | 46.00 | -18.44 | 27.20 | 0.18 | 0.18 | Average |
| 8 | 2.334 | 40.57 | 56.00 | -15.43 | 40.21 | 0.18 | 0.18 | QP |
| 9 | 2.692 | 30.59 | 46.00 | -15.41 | 30.22 | 0.18 | 0.19 | Average |
| 10 | 2.692 | 41.69 | 56.00 | -14.31 | 41.32 | 0.18 | 0.19 | QP |
| 11 | 3.107 | 33.15 | 46.00 | -12.85 | 32.77 | 0.17 | 0.21 | Average |
| 12 | 3.107 | 39.18 | 56.00 | -16.82 | 38.80 | 0.17 | 0.21 | QP |
| 13 | 16.573 | 33.75 | 50.00 | -16.25 | 32.43 | 1.17 | 0.15 | Average |
| 14 | 16.573 | 39.26 | 60.00 | -20.74 | 37.94 | 1.17 | 0.15 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dBuV) = Limit Line (dBuV) – Level (dBuV).

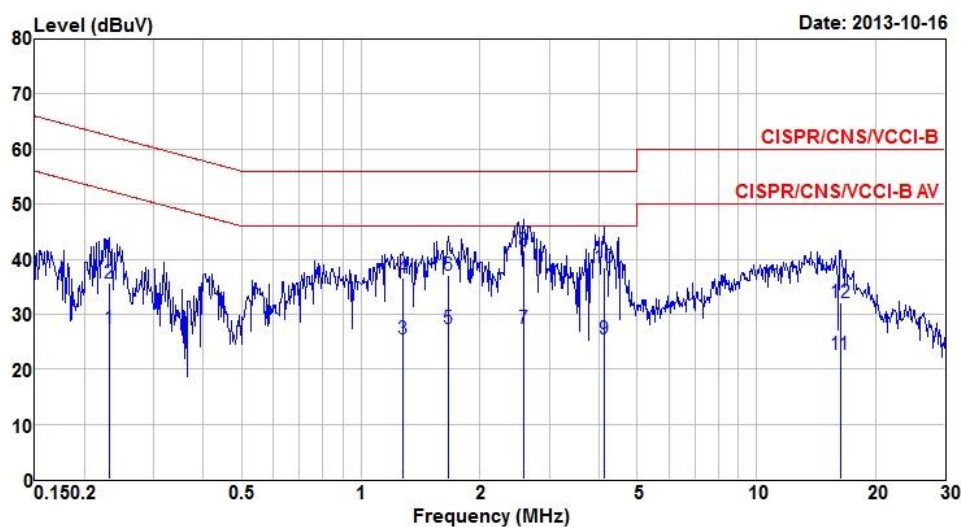
| | | | |
|-------------|------|--------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2462 |
| Power Phase | Line | Test Configuration | 2 |



| | Freq | Level | Limit | Over | Read | LISN | cable | |
|----|--------|-------|-------|--------|-------|--------|-------|---------|
| | MHz | dBuV | Line | Limit | Level | factor | loss | Remark |
| | | | dBuV | dB | dBuV | dB | dB | |
| 1 | 0.426 | 25.98 | 47.33 | -21.35 | 25.86 | 0.07 | 0.05 | Average |
| 2 | 0.426 | 32.71 | 57.33 | -24.62 | 32.59 | 0.07 | 0.05 | QP |
| 3 | 0.518 | 31.41 | 46.00 | -14.59 | 31.28 | 0.08 | 0.05 | Average |
| 4 | 0.518 | 34.52 | 56.00 | -21.48 | 34.39 | 0.08 | 0.05 | QP |
| 5 | 1.560 | 21.37 | 46.00 | -24.63 | 21.07 | 0.18 | 0.12 | Average |
| 6 | 1.560 | 29.90 | 56.00 | -26.10 | 29.60 | 0.18 | 0.12 | QP |
| 7 | 2.448 | 31.13 | 46.00 | -14.87 | 30.75 | 0.20 | 0.18 | Average |
| 8 | 2.448 | 35.04 | 56.00 | -20.96 | 34.66 | 0.20 | 0.18 | QP |
| 9 | 3.922 | 23.46 | 46.00 | -22.54 | 23.06 | 0.16 | 0.24 | Average |
| 10 | 3.922 | 36.97 | 56.00 | -19.03 | 36.57 | 0.16 | 0.24 | QP |
| 11 | 13.408 | 29.77 | 50.00 | -20.23 | 28.82 | 0.83 | 0.12 | Average |
| 12 | 13.408 | 34.81 | 60.00 | -25.19 | 33.86 | 0.83 | 0.12 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dBuV) = Limit Line (dBuV) – Level (dBuV).

| | | | |
|-------------|---------|--------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2462 |
| Power Phase | Neutral | Test Configuration | 2 |



| | Freq | Level | Limit | Over | Read | LISN | cable | |
|----|--------|-------|-------|--------|-------|--------|-------|---------|
| | MHz | dBuV | Line | Limit | Level | factor | loss | Remark |
| | | | dBuV | dB | dBuV | dB | dB | |
| 1 | 0.232 | 27.47 | 52.39 | -24.92 | 27.28 | 0.04 | 0.15 | Average |
| 2 | 0.232 | 35.71 | 62.39 | -26.68 | 35.52 | 0.04 | 0.15 | QP |
| 3 | 1.282 | 25.58 | 46.00 | -20.42 | 25.34 | 0.16 | 0.08 | Average |
| 4 | 1.282 | 36.56 | 56.00 | -19.44 | 36.32 | 0.16 | 0.08 | QP |
| 5 | 1.662 | 27.49 | 46.00 | -18.51 | 27.18 | 0.18 | 0.13 | Average |
| 6 | 1.662 | 37.08 | 56.00 | -18.92 | 36.77 | 0.18 | 0.13 | QP |
| 7 | 2.581 | 27.47 | 46.00 | -18.53 | 27.10 | 0.18 | 0.19 | Average |
| 8 | 2.581 | 41.63 | 56.00 | -14.37 | 41.26 | 0.18 | 0.19 | QP |
| 9 | 4.114 | 25.50 | 46.00 | -20.50 | 25.11 | 0.15 | 0.24 | Average |
| 10 | 4.114 | 38.54 | 56.00 | -17.46 | 38.15 | 0.15 | 0.24 | QP |
| 11 | 16.312 | 22.77 | 50.00 | -27.23 | 21.49 | 1.13 | 0.15 | Average |
| 12 | 16.312 | 32.13 | 60.00 | -27.87 | 30.85 | 1.13 | 0.15 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dBuV) = Limit Line (dBuV) – Level (dBuV).

3.2 6dB and Occupied Bandwidth

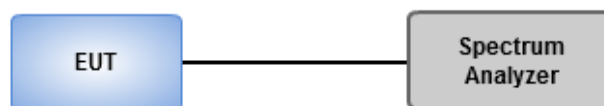
3.2.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.2.2 Test Procedures

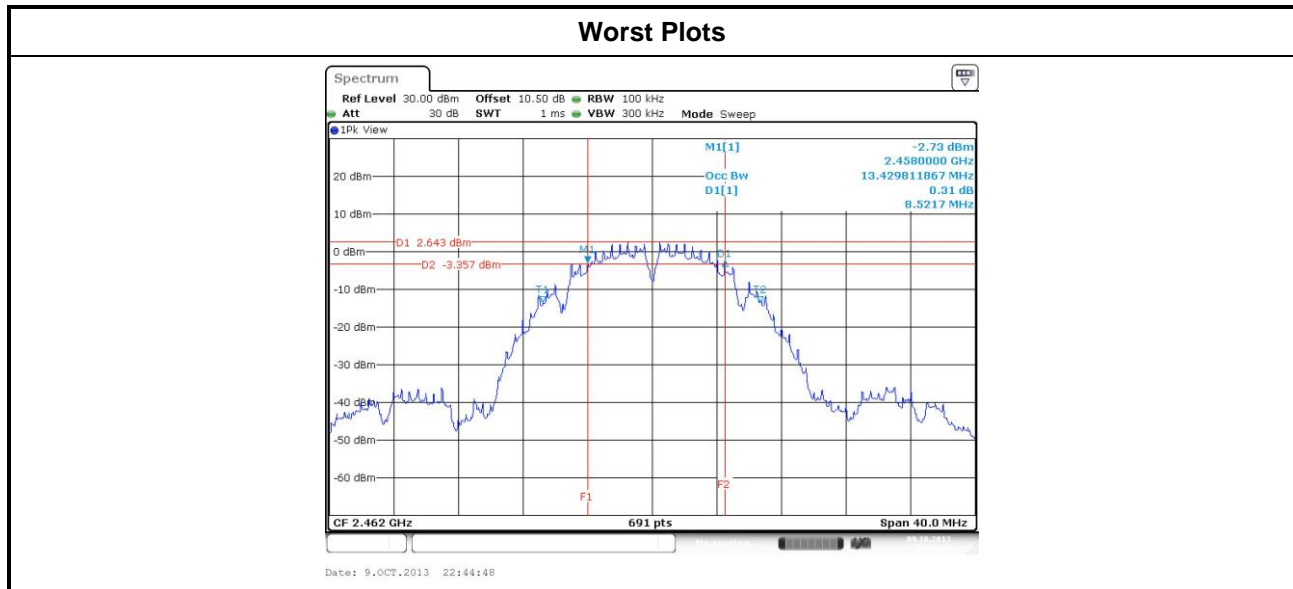
1. Set resolution bandwidth (RBW) = 100 kHz, Video bandwidth = 300 kHz.
2. Detector = Peak, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

3.2.3 Test Setup



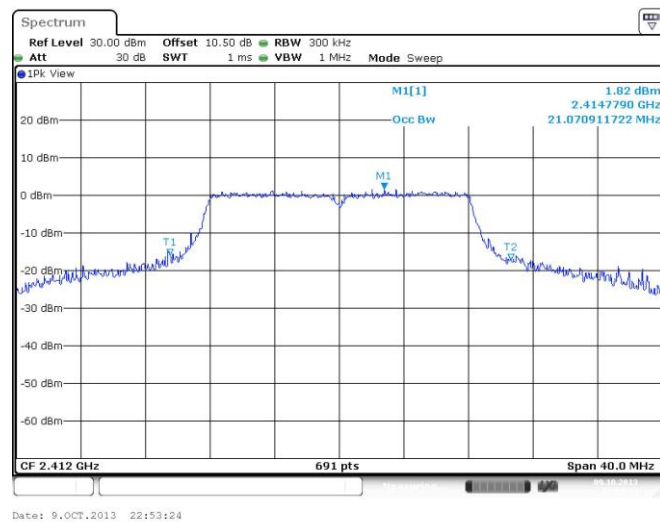
3.2.4 Test Result of 6dB and Occupied Bandwidth

| Modulation Mode | Freq. (MHz) | 6dB Bandwidth (MHz) | Limit (kHz) |
|-----------------|-------------|---------------------|-------------|
| 11b | 2412 | 9.04 | 500 |
| 11b | 2437 | 8.58 | 500 |
| 11b | 2462 | 8.57 | 500 |
| 11g | 2412 | 16.35 | 500 |
| 11g | 2437 | 16.35 | 500 |
| 11g | 2462 | 16.35 | 500 |
| HT20 | 2412 | 17.62 | 500 |
| HT20 | 2437 | 17.62 | 500 |
| HT20 | 2462 | 17.62 | 500 |



| Modulation Mode | Freq. (MHz) | 99% Occupied Bandwidth (MHz) | Limit (kHz) |
|-----------------|-------------|------------------------------|-------------|
| 11b | 2412 | 13.49 | - |
| 11b | 2437 | 13.49 | - |
| 11b | 2462 | 13.43 | - |
| 11g | 2412 | 21.07 | - |
| 11g | 2437 | 20.67 | - |
| 11g | 2462 | 19.80 | - |
| HT20 | 2412 | 18.70 | - |
| HT20 | 2437 | 20.96 | - |
| HT20 | 2462 | 18.70 | - |

Worst Plots



3.3 RF Output Power

3.3.1 Limit of RF Output Power

Conducted power shall not exceed 1Watt.

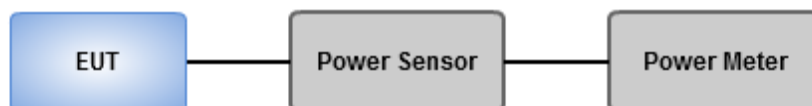
- ☒ Antenna gain $\leq 6\text{dBi}$, no any corresponding reduction is in output power limit.
- ☐ Antenna gain $> 6\text{dBi}$
 - ☐ Non Fixed, point to point operations.
The conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dB
 - ☐ Fixed, point to point operations
Systems operating in the 2400–2483.5 MHz band that are used exclusively for fixed, point-to-point Operations, maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Systems operating in the 5725–5850 MHz band that are used exclusively for fixed, point-to-point operations ,no any corresponding reduction is in transmitter peak output power

3.3.2 Test Procedures

- ☒ Maximum Peak Conducted Output Power
 - ☐ **Spectrum analyzer**
 1. Set RBW = 1MHz, VBW = 3MHz, Detector = Peak.
 2. Sweep time = auto, Trace mode = max hold, Allow trace to fully stabilize.
 3. Use the spectrum analyzer channel power measurement function with the band limits set equal to the DTS bandwidth edges.
 - ☒ **Power meter**
 1. A broadband Peak RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.
- ☒ Maximum Conducted Output Power (For reference only)
 - ☐ **Spectrum analyzer**
 1. Set RBW = 1MHz, VBW = 3MHz, Detector = RMS.
 2. Set the sweep time to: $\geq 10 \times (\text{number of measurement points in sweep}) \times (\text{maximum data rate per stream})$.
 3. Perform the measurement over a single sweep.
 4. Use the spectrum analyzer's band power measurement function with band limits set equal to the EBW(26dBc) band edges.
 - ☒ **Power meter**
 1. A broadband Average RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

3.3.3 Test Setup



3.3.4 Test Result of Maximum Output Power

| Modulation Mode | Freq. (MHz) | Peak Power (dBm) | Total Power (mW) | Total Power (dBm) | Limit (dBm) |
|-----------------|-------------|------------------|------------------|-------------------|-------------|
| 11b | 2412 | 14.02 | 25.235 | 14.02 | 30 |
| 11b | 2437 | 14.57 | 28.642 | 14.57 | 30 |
| 11b | 2462 | 14.49 | 28.119 | 14.49 | 30 |
| 11g | 2412 | 15.51 | 35.563 | 15.51 | 30 |
| 11g | 2437 | 15.92 | 39.084 | 15.92 | 30 |
| 11g | 2462 | 16.24 | 42.073 | 16.24 | 30 |
| HT20 | 2412 | 15.12 | 32.509 | 15.12 | 30 |
| HT20 | 2437 | 15.95 | 39.355 | 15.95 | 30 |
| HT20 | 2462 | 15.81 | 38.107 | 15.81 | 30 |

| Modulation Mode | Freq. (MHz) | Average Power (dBm) | Total Power (mW) | Total Power (dBm) | Limit (dBm) |
|-----------------|-------------|---------------------|------------------|-------------------|-------------|
| 11b | 2412 | 11.51 | 14.158 | 11.51 | 30 |
| 11b | 2437 | 12.04 | 15.996 | 12.04 | 30 |
| 11b | 2462 | 11.91 | 15.524 | 11.91 | 30 |
| 11g | 2412 | 10.34 | 10.814 | 10.34 | 30 |
| 11g | 2437 | 10.76 | 11.912 | 10.76 | 30 |
| 11g | 2462 | 10.87 | 12.218 | 10.87 | 30 |
| HT20 | 2412 | 8.93 | 7.816 | 8.93 | 30 |
| HT20 | 2437 | 10.58 | 11.429 | 10.58 | 30 |
| HT20 | 2462 | 9.56 | 9.036 | 9.56 | 30 |

Note: Average power is for reference only

3.4 Power Spectral Density

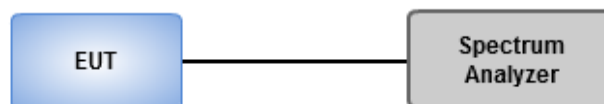
3.4.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.4.2 Test Procedures

- ☒ Maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit.
 1. Set the RBW = 3kHz, VBW = 10kHz.
 2. Detector = Peak, Sweep time = auto couple.
 3. Trace mode = max hold, allow trace to fully stabilize.
 4. Use the peak marker function to determine the maximum amplitude level.
- ☐ Maximum (average) conducted output power was used to demonstrate compliance to the fundamental output power limit.
 1. Set the RBW = 100kHz, VBW = 300 kHz.
 2. Detector = RMS, Sweep time = auto couple.
 3. Set the sweep time to: $\geq 10 \times (\text{number of measurement points in sweep}) \times (\text{maximum data rate per stream})$.
 4. Perform the measurement over a single sweep.
 5. Use the peak marker function to determine the maximum amplitude level.\

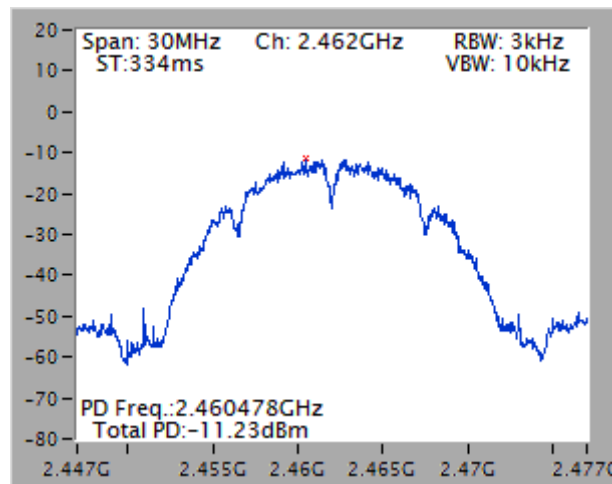
3.4.3 Test Setup



3.4.4 Test Result of Power Spectral Density

| Modulation Mode | Freq. (MHz) | Total Power Spectral Density (dBm/3kHz) | Limit (dBm/3kHz) |
|-----------------|-------------|---|------------------|
| 11b | 2412 | -12.09 | 8 |
| 11b | 2437 | -11.54 | 8 |
| 11b | 2462 | -11.23 | 8 |
| 11g | 2412 | -14.70 | 8 |
| 11g | 2437 | -13.97 | 8 |
| 11g | 2462 | -14.76 | 8 |
| HT20 | 2412 | -17.16 | 8 |
| HT20 | 2437 | -15.60 | 8 |
| HT20 | 2462 | -17.06 | 8 |

Worst Plots



3.5 Unwanted Emissions into Restricted Frequency Bands

3.5.1 Limit of Unwanted Emissions into Restricted Frequency Bands

| Restricted Band Emissions Limit | | | |
|---------------------------------|-----------------------|-------------------------|----------------------|
| Frequency Range (MHz) | Field Strength (uV/m) | Field Strength (dBuV/m) | Measure Distance (m) |
| 0.009~0.490 | 2400/F(kHz) | 48.5 - 13.8 | 300 |
| 0.490~1.705 | 24000/F(kHz) | 33.8 - 23 | 30 |
| 1.705~30.0 | 30 | 29 | 30 |
| 30~88 | 100 | 40 | 3 |
| 88~216 | 150 | 43.5 | 3 |
| 216~960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |

Note 1:
Quasi-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.5.2 Test Procedures

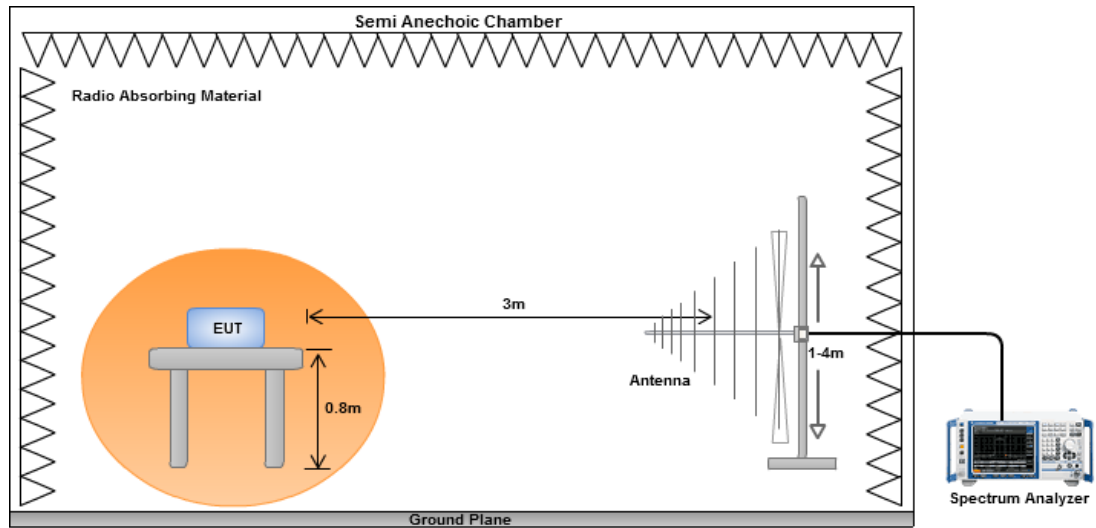
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at a height of 0.8 m test table above the ground plane.
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

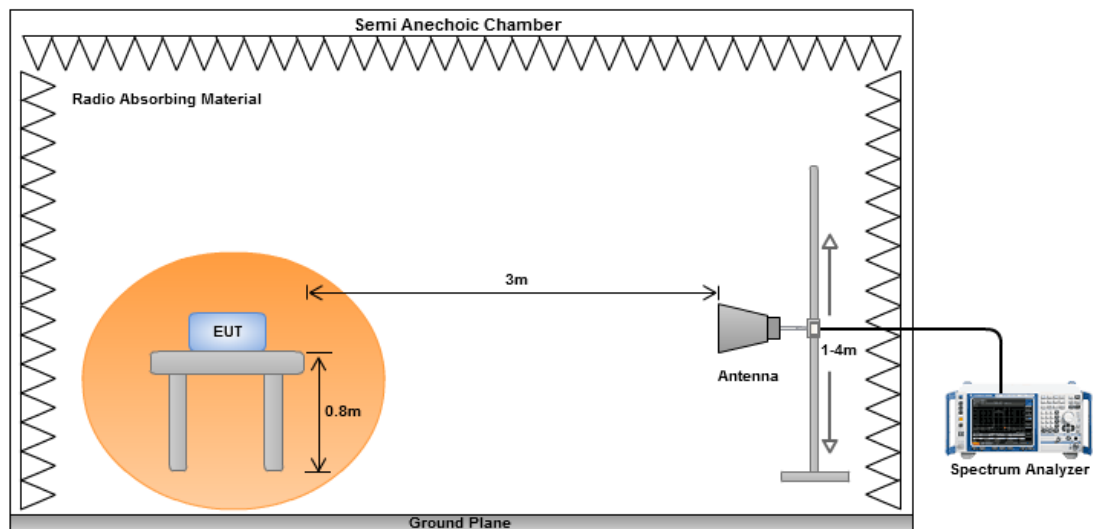
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.5.3 Test Setup

Radiated Emissions below 1 GHz

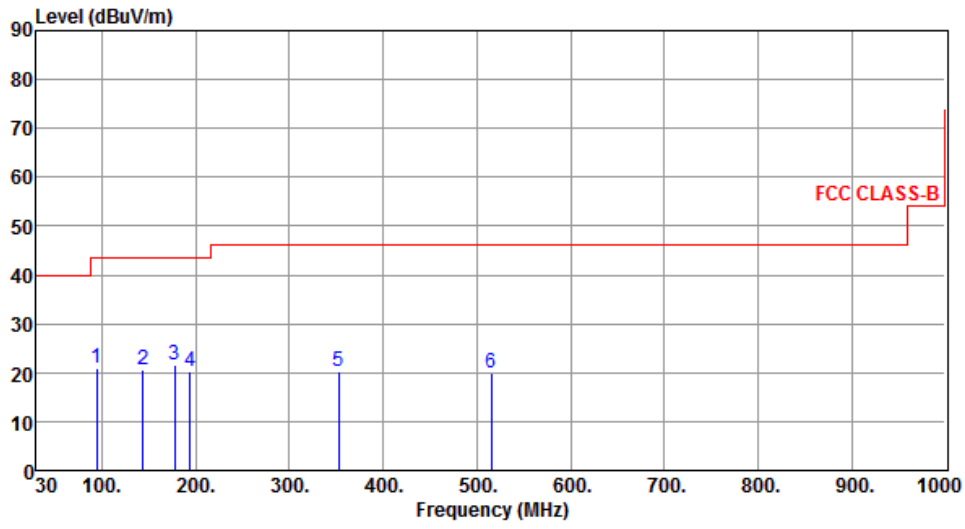


Radiated Emissions above 1 GHz



3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

| | | | |
|--------------|------------|--------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2462 |
| Polarization | Horizontal | Test Configuration | 1 |

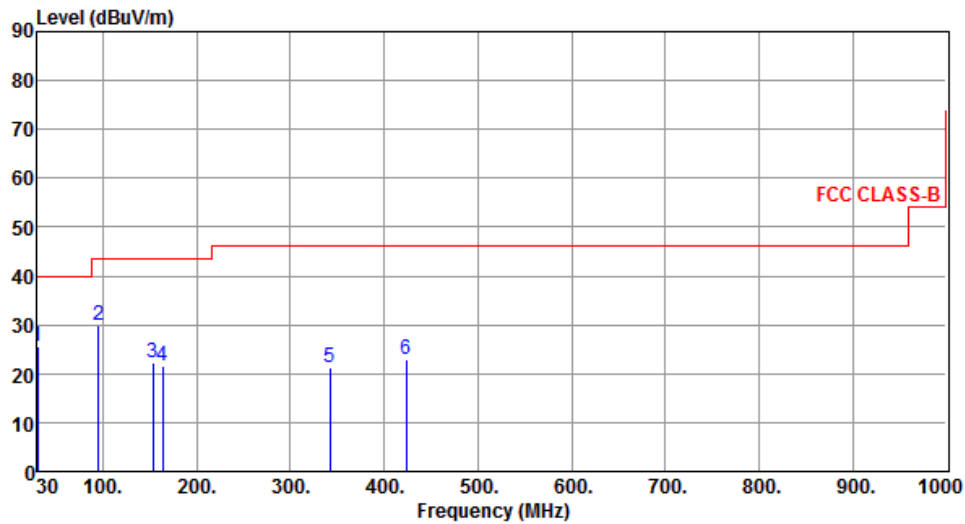


The graph displays the emission level in dBUV/m on the y-axis (0 to 90) against frequency in MHz on the x-axis (30 to 1000). A red line represents the FCC CLASS-B limit, which is 40 dBUV/m from 30 to 100 MHz, 45 dBUV/m from 100 to 1000 MHz, and 55 dBUV/m from 1000 to 10000 MHz. Six blue vertical lines indicate measured peaks at 94.02, 143.49, 177.44, 193.93, 353.01, and 515.00 MHz. The peak at 515.00 MHz is the highest, reaching approximately 20 dBUV/m.

| | Freq. MHz | Emission level dBUV/m | Limit dBUV/m | Margin dB | SA reading dBUV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 94.02 | 20.82 | 43.50 | -22.68 | 43.24 | -22.42 | Peak | --- | --- |
| 2 | 143.49 | 20.73 | 43.50 | -22.77 | 37.84 | -17.11 | Peak | --- | --- |
| 3 | 177.44 | 21.44 | 43.50 | -22.06 | 39.49 | -18.05 | Peak | --- | --- |
| 4 | 193.93 | 20.19 | 43.50 | -23.31 | 39.35 | -19.16 | Peak | --- | --- |
| 5 | 353.01 | 20.30 | 46.00 | -25.70 | 35.13 | -14.83 | Peak | --- | --- |
| 6 | 515.00 | 20.07 | 46.00 | -25.93 | 31.38 | -11.31 | Peak | --- | --- |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

| | | | |
|--------------|----------|--------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2462 |
| Polarization | Vertical | Test Configuration | 1 |



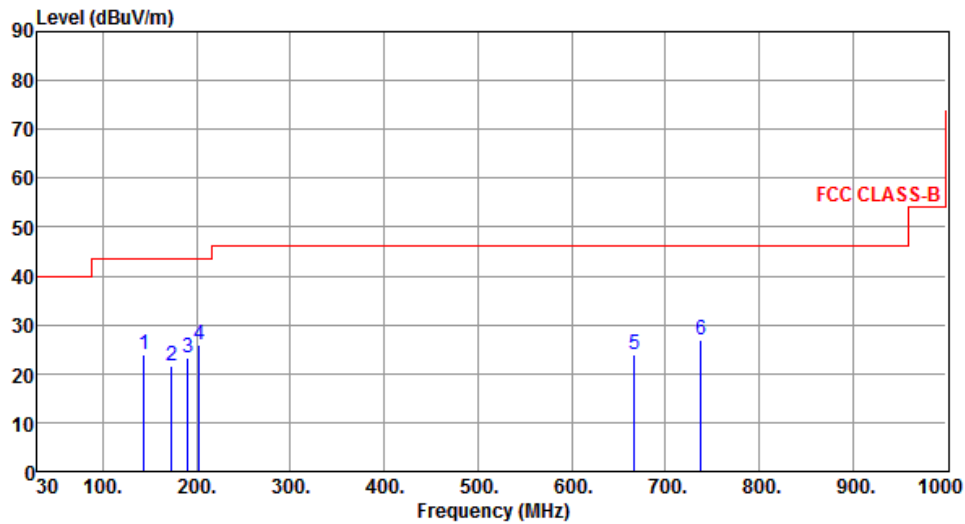
| | Freq. MHz | Emission level dBUV/m | Limit dBUV/m | Margin dB | SA reading dBUV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 30.00 | 25.58 | 40.00 | -14.42 | 43.31 | -17.73 | Peak | --- | --- |
| 2 | 94.99 | 30.04 | 43.50 | -13.46 | 52.34 | -22.30 | Peak | --- | --- |
| 3 | 153.19 | 22.23 | 43.50 | -21.27 | 39.14 | -16.91 | Peak | --- | --- |
| 4 | 163.86 | 21.52 | 43.50 | -21.98 | 38.47 | -16.95 | Peak | --- | --- |
| 5 | 342.34 | 21.30 | 46.00 | -24.70 | 36.40 | -15.10 | Peak | --- | --- |
| 6 | 423.82 | 22.78 | 46.00 | -23.22 | 35.86 | -13.08 | Peak | --- | --- |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

| | | | |
|--------------|------------|--------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2462 |
| Polarization | Horizontal | Test Configuration | 2 |



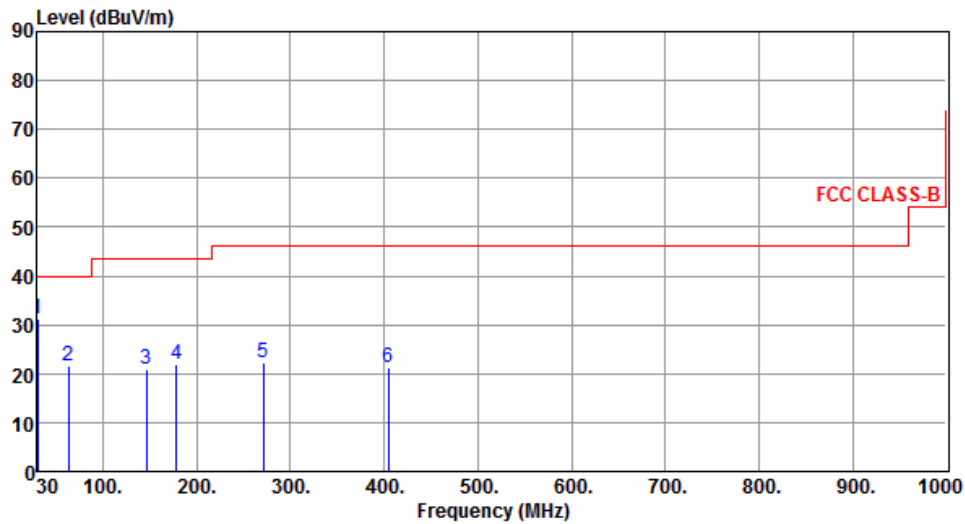
| | Freq. MHz | Emission level dBUV/m | Limit dBUV/m | Margin dB | SA reading dBUV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 143.49 | 23.99 | 43.50 | -19.51 | 41.10 | -17.11 | Peak | --- | --- |
| 2 | 173.56 | 21.62 | 43.50 | -21.88 | 39.21 | -17.59 | Peak | --- | --- |
| 3 | 191.02 | 23.40 | 43.50 | -20.10 | 42.51 | -19.11 | Peak | --- | --- |
| 4 | 202.66 | 26.07 | 43.50 | -17.43 | 45.36 | -19.29 | Peak | --- | --- |
| 5 | 667.29 | 24.08 | 46.00 | -21.92 | 32.84 | -8.76 | Peak | --- | --- |
| 6 | 738.10 | 26.98 | 46.00 | -19.02 | 34.44 | -7.46 | Peak | --- | --- |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

| | | | |
|--------------|----------|--------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2462 |
| Polarization | Vertical | Test Configuration | 2 |



| | Freq. MHz | Emission level dBUV/m | Limit dBUV/m | Margin dB | SA reading dBUV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 30.00 | 31.29 | 40.00 | -8.71 | 49.02 | -17.73 | Peak | --- | --- |
| 2 | 62.98 | 21.59 | 40.00 | -18.41 | 39.47 | -17.88 | Peak | --- | --- |
| 3 | 146.40 | 21.00 | 43.50 | -22.50 | 38.03 | -17.03 | Peak | --- | --- |
| 4 | 178.41 | 21.78 | 43.50 | -21.72 | 39.94 | -18.16 | Peak | --- | --- |
| 5 | 271.53 | 22.14 | 46.00 | -23.86 | 39.15 | -17.01 | Peak | --- | --- |
| 6 | 404.42 | 21.21 | 46.00 | -24.79 | 34.76 | -13.55 | Peak | --- | --- |

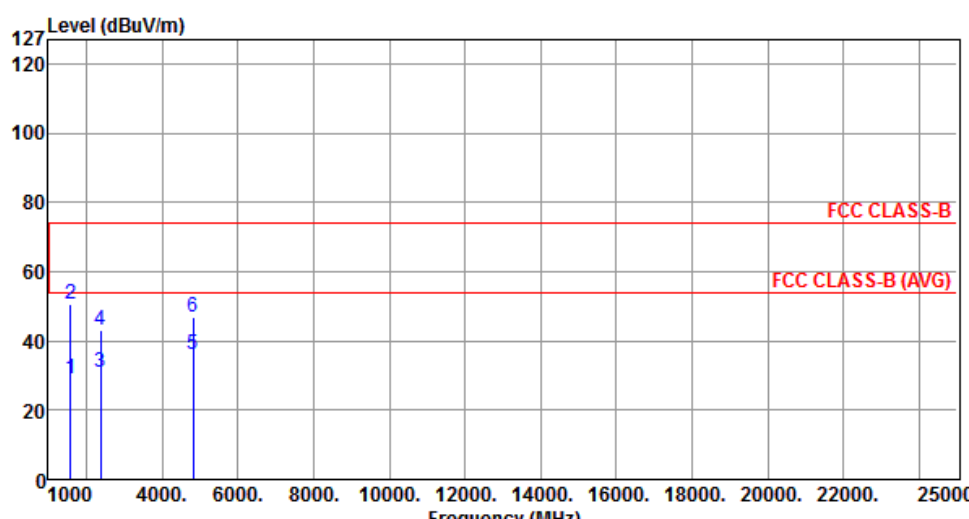
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

3.5.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11b

| | | | |
|--------------|------------|------------------|------|
| Modulation | 11b | Test Freq. (MHz) | 2412 |
| Polarization | Horizontal | | |



| | Freq. MHz | Emission level dBUV/m | Limit dBUV/m | Margin dB | SA reading dBUV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 1594.00 | 28.95 | 54.00 | -25.05 | 35.25 | -6.30 | Average | --- | --- |
| 2 | 1594.00 | 50.38 | 74.00 | -23.62 | 56.68 | -6.30 | Peak | --- | --- |
| 3 | 2390.00 | 30.85 | 54.00 | -23.15 | 34.07 | -3.22 | Average | --- | --- |
| 4 | 2390.00 | 42.97 | 74.00 | -31.03 | 46.19 | -3.22 | Peak | --- | --- |
| 5 | 4824.00 | 36.21 | 54.00 | -17.79 | 31.90 | 4.31 | Average | --- | --- |
| 6 | 4824.00 | 46.79 | 74.00 | -27.21 | 42.48 | 4.31 | Peak | --- | --- |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

| | | | |
|---|----------|------------------|------|
| Modulation | 11b | Test Freq. (MHz) | 2412 |
| Polarization | Vertical | | |
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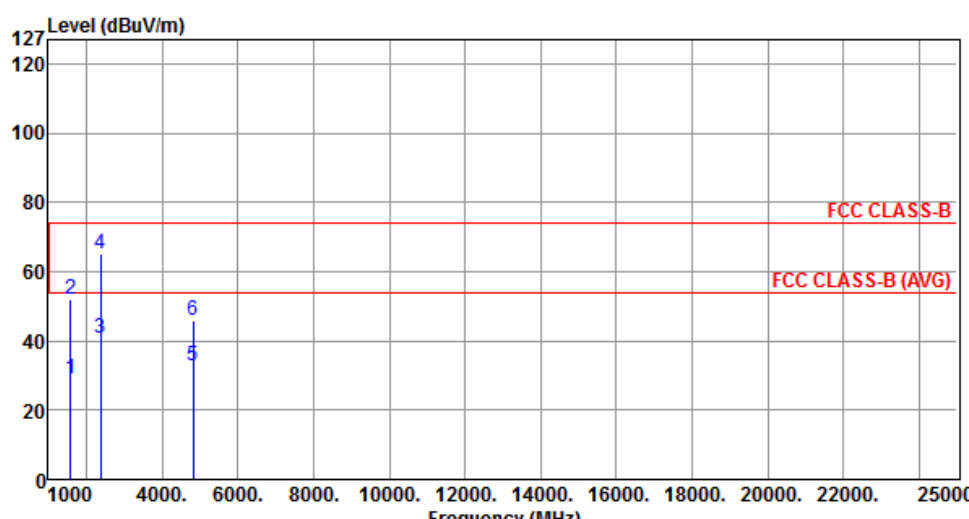
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| | | |

| Modulation | 11b | Test Freq. (MHz) | 2462 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------|------------------|--------|--------|---------|----------|---------|--------|-------|--------|--------|-----|------|--|-----|-------|--|--|---------|--|--|------|-------|--|--|--------|--------|----|------|----|--|----|-----|---|---------|-------|-------|--------|-------|-------|---------|-----|-----|---|---------|-------|-------|--------|-------|-------|------|-----|-----|---|---------|-------|-------|--------|-------|-------|---------|-----|-----|---|---------|-------|-------|--------|-------|-------|------|-----|-----|---|---------|-------|-------|--------|-------|------|---------|-----|-----|---|---------|-------|-------|--------|-------|------|------|-----|-----|---|---------|-------|-------|--------|-------|------|---------|-----|-----|---|---------|-------|-------|--------|-------|------|------|-----|-----|
| Polarization | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>Level (dBuV/m)</div><div><div><div><div><div><div>127</div><div>120</div><div>100</div><div>80</div><div>60</div><div>40</div><div>20</div><div>0</div></div></div><div><div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div><div><div><div><div>1000</div><div>4000</div><div>6000</div><div>8000</div><div>10000</div><div>12000</div><div>14000</div><div>16000</div><div>18000</div><div>20000</div><div>22000</div><div>25000</div></div></div></div><div><div>Frequency (MHz)</div><div>FCC CLASS-B</div><div>FCC CLASS-B (AVG)</div></div></div></div><table><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th></th><th></th><th>reading</th><th></th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB</th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>1594.00</td><td>30.61</td><td>54.00</td><td>-23.39</td><td>36.91</td><td>-6.30</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>2</td><td>1594.00</td><td>51.62</td><td>74.00</td><td>-22.38</td><td>57.92</td><td>-6.30</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>2483.50</td><td>37.71</td><td>54.00</td><td>-16.29</td><td>40.54</td><td>-2.83</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>4</td><td>2483.50</td><td>48.23</td><td>74.00</td><td>-25.77</td><td>51.06</td><td>-2.83</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>4924.00</td><td>35.51</td><td>54.00</td><td>-18.49</td><td>31.03</td><td>4.48</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>6</td><td>4924.00</td><td>46.02</td><td>74.00</td><td>-27.98</td><td>41.54</td><td>4.48</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>7</td><td>7386.00</td><td>36.62</td><td>54.00</td><td>-17.38</td><td>27.64</td><td>8.98</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>8</td><td>7386.00</td><td>49.27</td><td>74.00</td><td>-24.73</td><td>40.29</td><td>8.98</td><td>Peak</td><td>---</td><td>---</td></tr></table></div></div></div></div> | | | | | Freq. | Emission | Limit | Margin | SA | Factor | Remark | ANT | Turn | | MHz | level | | | reading | | | High | Table | | | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | 1 | 1594.00 | 30.61 | 54.00 | -23.39 | 36.91 | -6.30 | Average | --- | --- | 2 | 1594.00 | 51.62 | 74.00 | -22.38 | 57.92 | -6.30 | Peak | --- | --- | 3 | 2483.50 | 37.71 | 54.00 | -16.29 | 40.54 | -2.83 | Average | --- | --- | 4 | 2483.50 | 48.23 | 74.00 | -25.77 | 51.06 | -2.83 | Peak | --- | --- | 5 | 4924.00 | 35.51 | 54.00 | -18.49 | 31.03 | 4.48 | Average | --- | --- | 6 | 4924.00 | 46.02 | 74.00 | -27.98 | 41.54 | 4.48 | Peak | --- | --- | 7 | 7386.00 | 36.62 | 54.00 | -17.38 | 27.64 | 8.98 | Average | --- | --- | 8 | 7386.00 | 49.27 | 74.00 | -24.73 | 40.29 | 8.98 | Peak | --- | --- |
| | Freq. | Emission | Limit | Margin | SA | Factor | Remark | ANT | Turn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MHz | level | | | reading | | | High | Table | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1594.00 | 30.61 | 54.00 | -23.39 | 36.91 | -6.30 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1594.00 | 51.62 | 74.00 | -22.38 | 57.92 | -6.30 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 2483.50 | 37.71 | 54.00 | -16.29 | 40.54 | -2.83 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2483.50 | 48.23 | 74.00 | -25.77 | 51.06 | -2.83 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 4924.00 | 35.51 | 54.00 | -18.49 | 31.03 | 4.48 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 4924.00 | 46.02 | 74.00 | -27.98 | 41.54 | 4.48 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 7386.00 | 36.62 | 54.00 | -17.38 | 27.64 | 8.98 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 7386.00 | 49.27 | 74.00 | -24.73 | 40.29 | 8.98 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|----------|------------------|------|
| Modulation | 11b | Test Freq. (MHz) | 2462 |
| Polarization | Vertical | | |
| <div><div><div>Level (dBuV/m)</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div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| | | |

3.5.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11g

| | | | |
|--------------|------------|------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2412 |
| Polarization | Horizontal | | |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 1594.00 | 28.82 | 54.00 | -25.18 | 35.12 | -6.30 | Average | --- | --- |
| 2 | 1594.00 | 51.90 | 74.00 | -22.10 | 58.20 | -6.30 | Peak | --- | --- |
| 3 | 2390.00 | 40.94 | 54.00 | -13.06 | 44.16 | -3.22 | Average | --- | --- |
| 4 | 2390.00 | 65.07 | 74.00 | -8.93 | 68.29 | -3.22 | Peak | --- | --- |
| 5 | 4824.00 | 32.67 | 54.00 | -21.33 | 28.36 | 4.31 | Average | --- | --- |
| 6 | 4824.00 | 45.91 | 74.00 | -28.09 | 41.60 | 4.31 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---|----------|------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2412 |
| Polarization | Vertical | | |
| <div><div><div>Level (dBuV/m)</div><div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div>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| | | |

| Modulation | 11g | Test Freq. (MHz) | 2437 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|------------------|--------|--------|------------|----------------|---------|----------|------------|--------|--------|----------|------------|--|-----|--------|--------|----|------|----|--|----|-----|---|---------|-------|-------|--------|-------|-------|---------|-----|-----|---|---------|-------|-------|--------|-------|-------|------|-----|-----|---|---------|-------|-------|--------|-------|-------|---------|-----|-----|---|---------|-------|-------|--------|-------|-------|------|-----|-----|---|---------|-------|-------|--------|-------|------|---------|-----|-----|---|---------|-------|-------|--------|-------|------|------|-----|-----|---|---------|-------|-------|--------|-------|------|---------|-----|-----|---|---------|-------|-------|--------|-------|------|------|-----|-----|
| Polarization | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>Level (dBuV/m)</div><div><div><div><div><div><div>127</div><div>120</div><div>100</div><div>80</div><div>60</div><div>40</div><div>20</div><div>0</div></div></div><div><div><div><div>2</div><div>4</div><div>6</div><div>8</div></div><div><div><div>1</div><div>3</div><div>5</div><div>7</div></div></div></div><div><div><div><div>1000</div><div>4000</div><div>6000</div><div>8000</div><div>10000</div><div>12000</div><div>14000</div><div>16000</div><div>18000</div><div>20000</div><div>22000</div><div>25000</div></div><div>Frequency (MHz)</div></div><div><div><div><div>FCC CLASS-B</div><div>FCC CLASS-B (AVG)</div></div></div></div></div></div><table><tr><th></th><th>Freq.</th><th>Emission level</th><th>Limit</th><th>Margin</th><th>SA reading</th><th>Factor</th><th>Remark</th><th>ANT High</th><th>Turn Table</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB</th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>1594.00</td><td>29.71</td><td>54.00</td><td>-24.29</td><td>36.01</td><td>-6.30</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>2</td><td>1594.00</td><td>52.23</td><td>74.00</td><td>-21.77</td><td>58.53</td><td>-6.30</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>2341.00</td><td>28.80</td><td>54.00</td><td>-25.20</td><td>32.21</td><td>-3.41</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>4</td><td>2341.00</td><td>42.58</td><td>74.00</td><td>-31.42</td><td>45.99</td><td>-3.41</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>4874.00</td><td>31.55</td><td>54.00</td><td>-22.45</td><td>27.16</td><td>4.39</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>6</td><td>4874.00</td><td>44.91</td><td>74.00</td><td>-29.09</td><td>40.52</td><td>4.39</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>7</td><td>7311.00</td><td>36.58</td><td>54.00</td><td>-17.42</td><td>27.66</td><td>8.92</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>8</td><td>7311.00</td><td>49.68</td><td>74.00</td><td>-24.32</td><td>40.76</td><td>8.92</td><td>Peak</td><td>---</td><td>---</td></tr></table></div></div></div></div></div> | | | | | Freq. | Emission level | Limit | Margin | SA reading | Factor | Remark | ANT High | Turn Table | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | 1 | 1594.00 | 29.71 | 54.00 | -24.29 | 36.01 | -6.30 | Average | --- | --- | 2 | 1594.00 | 52.23 | 74.00 | -21.77 | 58.53 | -6.30 | Peak | --- | --- | 3 | 2341.00 | 28.80 | 54.00 | -25.20 | 32.21 | -3.41 | Average | --- | --- | 4 | 2341.00 | 42.58 | 74.00 | -31.42 | 45.99 | -3.41 | Peak | --- | --- | 5 | 4874.00 | 31.55 | 54.00 | -22.45 | 27.16 | 4.39 | Average | --- | --- | 6 | 4874.00 | 44.91 | 74.00 | -29.09 | 40.52 | 4.39 | Peak | --- | --- | 7 | 7311.00 | 36.58 | 54.00 | -17.42 | 27.66 | 8.92 | Average | --- | --- | 8 | 7311.00 | 49.68 | 74.00 | -24.32 | 40.76 | 8.92 | Peak | --- | --- |
| | Freq. | Emission level | Limit | Margin | SA reading | Factor | Remark | ANT High | Turn Table | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1594.00 | 29.71 | 54.00 | -24.29 | 36.01 | -6.30 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1594.00 | 52.23 | 74.00 | -21.77 | 58.53 | -6.30 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 2341.00 | 28.80 | 54.00 | -25.20 | 32.21 | -3.41 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2341.00 | 42.58 | 74.00 | -31.42 | 45.99 | -3.41 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 4874.00 | 31.55 | 54.00 | -22.45 | 27.16 | 4.39 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 4874.00 | 44.91 | 74.00 | -29.09 | 40.52 | 4.39 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 7311.00 | 36.58 | 54.00 | -17.42 | 27.66 | 8.92 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 7311.00 | 49.68 | 74.00 | -24.32 | 40.76 | 8.92 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|----------|------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2437 |
| Polarization | Vertical | | |
| <div><div><div>Level (dBuV/m)</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div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| | | |

| | | | |
|--------------|------------|------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2462 |
| Polarization | Horizontal | | |

| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 1594.00 | 29.22 | 54.00 | -24.78 | 35.52 | -6.30 | Average | --- | --- |
| 2 | 1594.00 | 51.85 | 74.00 | -22.15 | 58.15 | -6.30 | Peak | --- | --- |
| 3 | 2483.50 | 49.90 | 54.00 | -4.10 | 52.73 | -2.83 | Average | --- | --- |
| 4 | 2483.50 | 71.31 | 74.00 | -2.69 | 74.14 | -2.83 | Peak | --- | --- |
| 5 | 4924.00 | 31.66 | 54.00 | -22.34 | 27.18 | 4.48 | Average | --- | --- |
| 6 | 4924.00 | 45.39 | 74.00 | -28.61 | 40.91 | 4.48 | Peak | --- | --- |
| 7 | 7386.00 | 36.62 | 54.00 | -17.38 | 27.64 | 8.98 | Average | --- | --- |
| 8 | 7386.00 | 49.83 | 74.00 | -24.17 | 40.85 | 8.98 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|--------------|----------|------------------|------|
| Modulation | 11g | Test Freq. (MHz) | 2462 |
| Polarization | Vertical | | |

| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 1594.00 | 34.66 | 54.00 | -19.34 | 40.96 | -6.30 | Average | --- | --- |
| 2 | 1594.00 | 56.35 | 74.00 | -17.65 | 62.65 | -6.30 | Peak | --- | --- |
| 3 | 2483.50 | 51.58 | 54.00 | -2.42 | 54.41 | -2.83 | Average | --- | --- |
| 4 | 2483.50 | 71.82 | 74.00 | -2.18 | 74.65 | -2.83 | Peak | --- | --- |
| 5 | 4924.00 | 32.99 | 54.00 | -21.01 | 28.51 | 4.48 | Average | --- | --- |
| 6 | 4924.00 | 46.16 | 74.00 | -27.84 | 41.68 | 4.48 | Peak | --- | --- |
| 7 | 7386.00 | 37.93 | 54.00 | -16.07 | 28.95 | 8.98 | Average | --- | --- |
| 8 | 7386.00 | 49.75 | 74.00 | -24.25 | 40.77 | 8.98 | Peak | --- | --- |

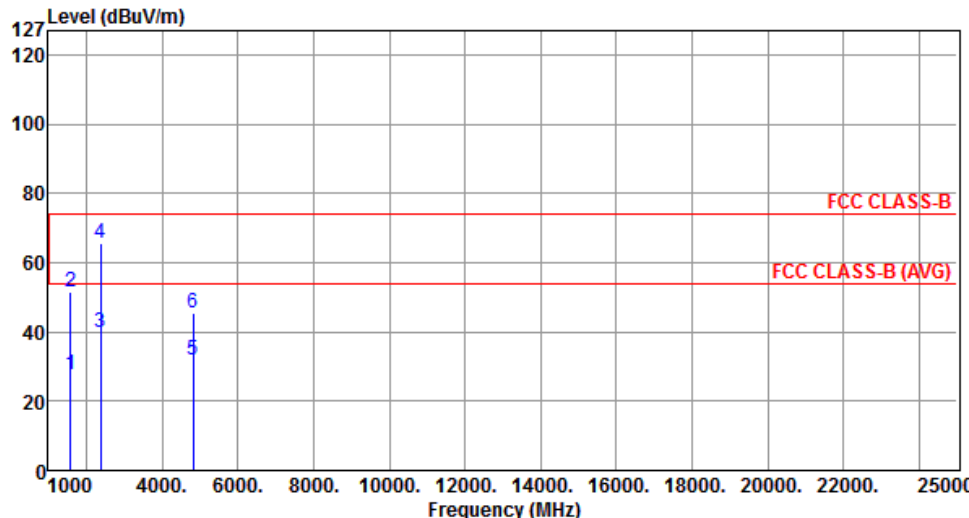
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

3.5.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT20

| | | | |
|--------------|------------|------------------|------|
| Modulation | HT20 | Test Freq. (MHz) | 2412 |
| Polarization | Horizontal | | |



The graph displays the emission level in dBuV/m on the y-axis (0 to 127) against frequency in MHz on the x-axis (1000 to 25000). Two horizontal red lines represent the FCC Class B limits: the upper line is labeled 'FCC CLASS-B' at approximately 74 dBuV/m, and the lower line is labeled 'FCC CLASS-B (AVG)' at approximately 54 dBuV/m. Six test results are plotted as vertical blue lines with labels 1 through 6. Points 1, 2, 3, and 4 are clustered between 1500 and 2500 MHz, while points 5 and 6 are at 4824 MHz. All test points are well below the FCC Class B limits.

| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 1594.00 | 27.82 | 54.00 | -26.18 | 34.12 | -6.30 | Average | --- | --- |
| 2 | 1594.00 | 51.68 | 74.00 | -22.32 | 57.98 | -6.30 | Peak | --- | --- |
| 3 | 2390.00 | 39.73 | 54.00 | -14.27 | 42.95 | -3.22 | Average | --- | --- |
| 4 | 2390.00 | 65.44 | 74.00 | -8.56 | 68.66 | -3.22 | Peak | --- | --- |
| 5 | 4824.00 | 31.93 | 54.00 | -22.07 | 27.62 | 4.31 | Average | --- | --- |
| 6 | 4824.00 | 45.29 | 74.00 | -28.71 | 40.98 | 4.31 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---|----------|------------------|------|
| Modulation | HT20 | Test Freq. (MHz) | 2412 |
| Polarization | Vertical | | |
| <div><div><div>Level (dBuV/m)</div><div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div>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| | | |

| Modulation | HT20 | Test Freq. (MHz) | 2437 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|------------------|--------|--------|---------|----------|---------|--------|-------|--------|--------|-----|------|--|-----|-------|--------|----|---------|----|--|------|-------|--|--|--------|--|--|------|--|--|----|-----|---|---------|-------|-------|--------|-------|-------|---------|-----|-----|---|---------|-------|-------|--------|-------|-------|------|-----|-----|---|---------|-------|-------|--------|-------|-------|---------|-----|-----|---|---------|-------|-------|--------|-------|-------|------|-----|-----|---|---------|-------|-------|--------|-------|------|---------|-----|-----|---|---------|-------|-------|--------|-------|------|------|-----|-----|---|---------|-------|-------|--------|-------|------|---------|-----|-----|---|---------|-------|-------|--------|-------|------|------|-----|-----|
| Polarization | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>Level (dBuV/m)</div><div><div><div><div><div><div>127</div><div>120</div><div>100</div><div>80</div><div>60</div><div>40</div><div>20</div><div>0</div></div><div><div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div></div></div><div><div><div><div>1000</div><div>4000</div><div>6000</div><div>8000</div><div>10000</div><div>12000</div><div>14000</div><div>16000</div><div>18000</div><div>20000</div><div>22000</div><div>25000</div></div></div></div><div><div>Frequency (MHz)</div><div><div>FCC CLASS-B</div><div>FCC CLASS-B (AVG)</div></div></div></div></div><table><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th></th><th></th><th>dBuV</th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>1594.00</td><td>29.96</td><td>54.00</td><td>-24.04</td><td>36.26</td><td>-6.30</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>2</td><td>1594.00</td><td>51.48</td><td>74.00</td><td>-22.52</td><td>57.78</td><td>-6.30</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>2341.00</td><td>28.65</td><td>54.00</td><td>-25.35</td><td>32.06</td><td>-3.41</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>4</td><td>2341.00</td><td>41.66</td><td>74.00</td><td>-32.34</td><td>45.07</td><td>-3.41</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>4874.00</td><td>32.07</td><td>54.00</td><td>-21.93</td><td>27.68</td><td>4.39</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>6</td><td>4874.00</td><td>45.16</td><td>74.00</td><td>-28.84</td><td>40.77</td><td>4.39</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>7</td><td>7311.00</td><td>36.48</td><td>54.00</td><td>-17.52</td><td>27.56</td><td>8.92</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>8</td><td>7311.00</td><td>49.09</td><td>74.00</td><td>-24.91</td><td>40.17</td><td>8.92</td><td>Peak</td><td>---</td><td>---</td></tr></table></div></div></div></div> | | | | | Freq. | Emission | Limit | Margin | SA | Factor | Remark | ANT | Turn | | MHz | level | dBuV/m | dB | reading | dB | | High | Table | | | dBuV/m | | | dBuV | | | cm | deg | 1 | 1594.00 | 29.96 | 54.00 | -24.04 | 36.26 | -6.30 | Average | --- | --- | 2 | 1594.00 | 51.48 | 74.00 | -22.52 | 57.78 | -6.30 | Peak | --- | --- | 3 | 2341.00 | 28.65 | 54.00 | -25.35 | 32.06 | -3.41 | Average | --- | --- | 4 | 2341.00 | 41.66 | 74.00 | -32.34 | 45.07 | -3.41 | Peak | --- | --- | 5 | 4874.00 | 32.07 | 54.00 | -21.93 | 27.68 | 4.39 | Average | --- | --- | 6 | 4874.00 | 45.16 | 74.00 | -28.84 | 40.77 | 4.39 | Peak | --- | --- | 7 | 7311.00 | 36.48 | 54.00 | -17.52 | 27.56 | 8.92 | Average | --- | --- | 8 | 7311.00 | 49.09 | 74.00 | -24.91 | 40.17 | 8.92 | Peak | --- | --- |
| | Freq. | Emission | Limit | Margin | SA | Factor | Remark | ANT | Turn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MHz | level | dBuV/m | dB | reading | dB | | High | Table | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | dBuV/m | | | dBuV | | | cm | deg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1594.00 | 29.96 | 54.00 | -24.04 | 36.26 | -6.30 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1594.00 | 51.48 | 74.00 | -22.52 | 57.78 | -6.30 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 2341.00 | 28.65 | 54.00 | -25.35 | 32.06 | -3.41 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2341.00 | 41.66 | 74.00 | -32.34 | 45.07 | -3.41 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 4874.00 | 32.07 | 54.00 | -21.93 | 27.68 | 4.39 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 4874.00 | 45.16 | 74.00 | -28.84 | 40.77 | 4.39 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 7311.00 | 36.48 | 54.00 | -17.52 | 27.56 | 8.92 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 7311.00 | 49.09 | 74.00 | -24.91 | 40.17 | 8.92 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|----------|------------------|------|
| Modulation | HT20 | Test Freq. (MHz) | 2437 |
| Polarization | Vertical | | |
| <div><div><div>Level (dBuV/m)</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div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| | | |

| Modulation | HT20 | | Test Freq. (MHz) | | 2462 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|-----------------------------|------------------|--------------|-----------------------|--------------|---------|-------------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|---|---------|-------|-------|--------|-------|-------|---------|-----|-----|---|---------|-------|-------|--------|-------|-------|------|-----|-----|---|---------|-------|-------|-------|-------|-------|---------|-----|-----|---|---------|-------|-------|-------|-------|-------|------|-----|-----|---|---------|-------|-------|--------|-------|------|---------|-----|-----|---|---------|-------|-------|--------|-------|------|------|-----|-----|---|---------|-------|-------|--------|-------|------|---------|-----|-----|---|---------|-------|-------|--------|-------|------|------|-----|-----|
| Polarization | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>Level (dBUV/m)</div><div><div><div><div><div><div>127</div><div>120</div><div>100</div><div>80</div><div>60</div><div>40</div><div>20</div><div>0</div></div></div><div><div><div><div>1000</div><div>4000</div><div>6000</div><div>8000</div><div>10000</div><div>12000</div><div>14000</div><div>16000</div><div>18000</div><div>20000</div><div>22000</div><div>25000</div></div></div><div>Frequency (MHz)</div></div></div><div><div><div><div>4</div><div>3</div><div>2</div><div>1</div><div>6</div><div>5</div><div>8</div><div>7</div></div></div><div><div><div><div>FCC CLASS-B</div><div>FCC CLASS-B (AVG)</div></div></div></div></div></div><table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>1594.00</td><td>29.17</td><td>54.00</td><td>-24.83</td><td>35.47</td><td>-6.30</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>2</td><td>1594.00</td><td>52.33</td><td>74.00</td><td>-21.67</td><td>58.63</td><td>-6.30</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>2483.50</td><td>49.61</td><td>54.00</td><td>-4.39</td><td>52.44</td><td>-2.83</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>4</td><td>2483.50</td><td>71.75</td><td>74.00</td><td>-2.25</td><td>74.58</td><td>-2.83</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>4924.00</td><td>32.09</td><td>54.00</td><td>-21.91</td><td>27.61</td><td>4.48</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>6</td><td>4924.00</td><td>45.33</td><td>74.00</td><td>-28.67</td><td>40.85</td><td>4.48</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>7</td><td>7386.00</td><td>36.42</td><td>54.00</td><td>-17.58</td><td>27.44</td><td>8.98</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>8</td><td>7386.00</td><td>49.65</td><td>74.00</td><td>-24.35</td><td>40.67</td><td>8.98</td><td>Peak</td><td>---</td><td>---</td></tr></table></div></div></div> | | | | | | | | Freq. MHz | Emission level dBUV/m | Limit dBUV/m | Margin dB | SA reading dBUV | Factor dB | Remark | ANT High cm | Turn Table deg | 1 | 1594.00 | 29.17 | 54.00 | -24.83 | 35.47 | -6.30 | Average | --- | --- | 2 | 1594.00 | 52.33 | 74.00 | -21.67 | 58.63 | -6.30 | Peak | --- | --- | 3 | 2483.50 | 49.61 | 54.00 | -4.39 | 52.44 | -2.83 | Average | --- | --- | 4 | 2483.50 | 71.75 | 74.00 | -2.25 | 74.58 | -2.83 | Peak | --- | --- | 5 | 4924.00 | 32.09 | 54.00 | -21.91 | 27.61 | 4.48 | Average | --- | --- | 6 | 4924.00 | 45.33 | 74.00 | -28.67 | 40.85 | 4.48 | Peak | --- | --- | 7 | 7386.00 | 36.42 | 54.00 | -17.58 | 27.44 | 8.98 | Average | --- | --- | 8 | 7386.00 | 49.65 | 74.00 | -24.35 | 40.67 | 8.98 | Peak | --- | --- |
| | Freq. MHz | Emission level dBUV/m | Limit dBUV/m | Margin dB | SA reading dBUV | Factor dB | Remark | ANT High cm | Turn Table deg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1594.00 | 29.17 | 54.00 | -24.83 | 35.47 | -6.30 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1594.00 | 52.33 | 74.00 | -21.67 | 58.63 | -6.30 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 2483.50 | 49.61 | 54.00 | -4.39 | 52.44 | -2.83 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2483.50 | 71.75 | 74.00 | -2.25 | 74.58 | -2.83 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 4924.00 | 32.09 | 54.00 | -21.91 | 27.61 | 4.48 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 4924.00 | 45.33 | 74.00 | -28.67 | 40.85 | 4.48 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 7386.00 | 36.42 | 54.00 | -17.58 | 27.44 | 8.98 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 7386.00 | 49.65 | 74.00 | -24.35 | 40.67 | 8.98 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Modulation | HT20 | | Test Freq. (MHz) | | 2462 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|----------|------------------|--------|---------|--------|---------|-------|----------|-------|--------|----|--------|--------|-----|------|--|-----|-------|--|--|---------|--|--|------|-------|--|--|--------|--------|----|------|----|--|----|-----|---|---------|-------|-------|--------|-------|-------|---------|-----|-----|---|---------|-------|-------|--------|-------|-------|------|-----|-----|---|---------|-------|-------|-------|-------|-------|---------|-----|-----|---|---------|-------|-------|-------|-------|-------|------|-----|-----|---|---------|-------|-------|--------|-------|------|---------|-----|-----|---|---------|-------|-------|--------|-------|------|------|-----|-----|---|---------|-------|-------|--------|-------|------|---------|-----|-----|---|---------|-------|-------|--------|-------|------|------|-----|-----|
| Polarization | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>Level (dBuV/m)</div><div><div><div><div><div><div>127</div><div>120</div><div>100</div><div>80</div><div>60</div><div>40</div><div>20</div><div>0</div></div></div><div><div><div><div>1000</div><div>4000</div><div>6000</div><div>8000</div><div>10000</div><div>12000</div><div>14000</div><div>16000</div><div>18000</div><div>20000</div><div>22000</div><div>25000</div></div></div><div>Frequency (MHz)</div></div></div><div><div><div><div>4</div><div>2</div><div>3</div><div>6</div><div>5</div><div>8</div><div>7</div></div></div><div><div><div><div>FCC CLASS-B</div><div>FCC CLASS-B (AVG)</div></div></div></div></div></div><table><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th></th><th></th><th>reading</th><th></th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB</th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>1594.00</td><td>35.22</td><td>54.00</td><td>-18.78</td><td>41.52</td><td>-6.30</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>2</td><td>1594.00</td><td>56.47</td><td>74.00</td><td>-17.53</td><td>62.77</td><td>-6.30</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>2483.50</td><td>49.83</td><td>54.00</td><td>-4.17</td><td>52.66</td><td>-2.83</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>4</td><td>2483.50</td><td>71.51</td><td>74.00</td><td>-2.49</td><td>74.34</td><td>-2.83</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>4924.00</td><td>33.12</td><td>54.00</td><td>-20.88</td><td>28.64</td><td>4.48</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>6</td><td>4924.00</td><td>46.10</td><td>74.00</td><td>-27.90</td><td>41.62</td><td>4.48</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>7</td><td>7386.00</td><td>37.41</td><td>54.00</td><td>-16.59</td><td>28.43</td><td>8.98</td><td>Average</td><td>---</td><td>---</td></tr><tr><td>8</td><td>7386.00</td><td>50.53</td><td>74.00</td><td>-23.47</td><td>41.55</td><td>8.98</td><td>Peak</td><td>---</td><td>---</td></tr></table></div></div></div> | | | | | | | | Freq. | Emission | Limit | Margin | SA | Factor | Remark | ANT | Turn | | MHz | level | | | reading | | | High | Table | | | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | 1 | 1594.00 | 35.22 | 54.00 | -18.78 | 41.52 | -6.30 | Average | --- | --- | 2 | 1594.00 | 56.47 | 74.00 | -17.53 | 62.77 | -6.30 | Peak | --- | --- | 3 | 2483.50 | 49.83 | 54.00 | -4.17 | 52.66 | -2.83 | Average | --- | --- | 4 | 2483.50 | 71.51 | 74.00 | -2.49 | 74.34 | -2.83 | Peak | --- | --- | 5 | 4924.00 | 33.12 | 54.00 | -20.88 | 28.64 | 4.48 | Average | --- | --- | 6 | 4924.00 | 46.10 | 74.00 | -27.90 | 41.62 | 4.48 | Peak | --- | --- | 7 | 7386.00 | 37.41 | 54.00 | -16.59 | 28.43 | 8.98 | Average | --- | --- | 8 | 7386.00 | 50.53 | 74.00 | -23.47 | 41.55 | 8.98 | Peak | --- | --- |
| | Freq. | Emission | Limit | Margin | SA | Factor | Remark | ANT | Turn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MHz | level | | | reading | | | High | Table | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1594.00 | 35.22 | 54.00 | -18.78 | 41.52 | -6.30 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1594.00 | 56.47 | 74.00 | -17.53 | 62.77 | -6.30 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 2483.50 | 49.83 | 54.00 | -4.17 | 52.66 | -2.83 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2483.50 | 71.51 | 74.00 | -2.49 | 74.34 | -2.83 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 4924.00 | 33.12 | 54.00 | -20.88 | 28.64 | 4.48 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 4924.00 | 46.10 | 74.00 | -27.90 | 41.62 | 4.48 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 7386.00 | 37.41 | 54.00 | -16.59 | 28.43 | 8.98 | Average | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 7386.00 | 50.53 | 74.00 | -23.47 | 41.55 | 8.98 | Peak | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)</div><div>*Factor includes antenna factor , cable loss and amplifier gain</div><div>Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

3.6 Unwanted Emissions into Non-Restricted Frequency Bands

3.6.1 Limit of Unwanted Emissions into Non-Restricted Frequency Bands

- ☒ The peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz.
- ☐ The peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.6.2 Test Procedures

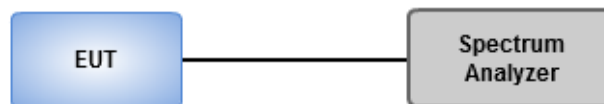
Reference Level Measurement

1. Set the RBW = 100 kHz, VBW = 300 kHz, Detector = peak.
2. Set Sweep time = auto couple, Trace mode = max hold.
3. Allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

Unwanted Emissions Level Measurement

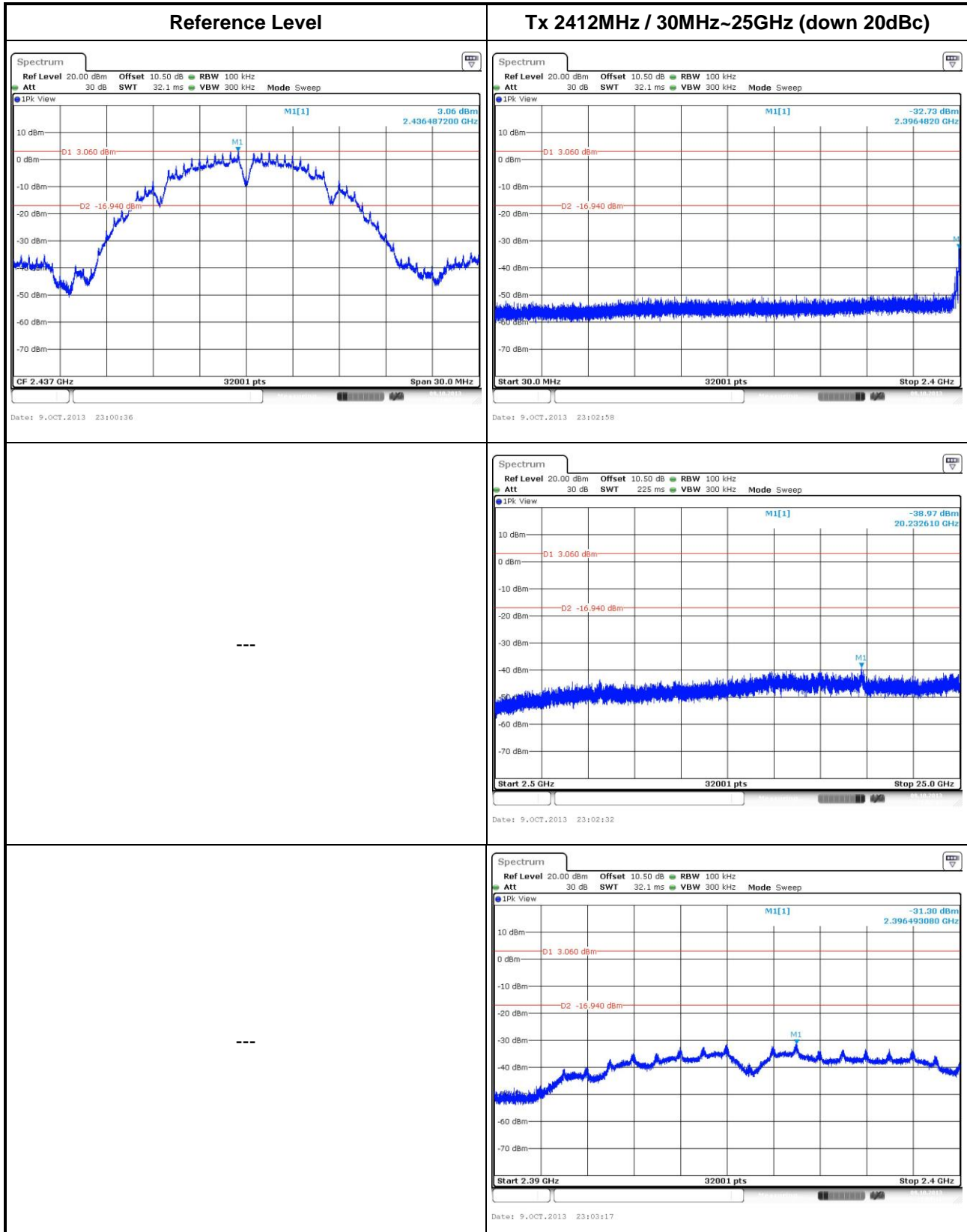
1. Set RBW = 100 kHz, VBW = 300 kHz, Detector = peak.
2. Trace Mode = max hold, Sweep = auto couple.
3. Allow the trace to stabilize.
4. Use peak marker function to determine maximum amplitude of all unwanted emissions within any 100 kHz bandwidth.

3.6.3 Test Setup

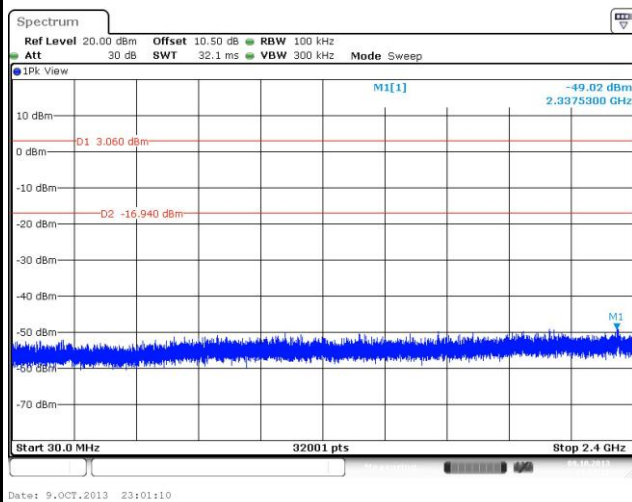


3.6.4 Unwanted Emissions into Non-Restricted Frequency Bands

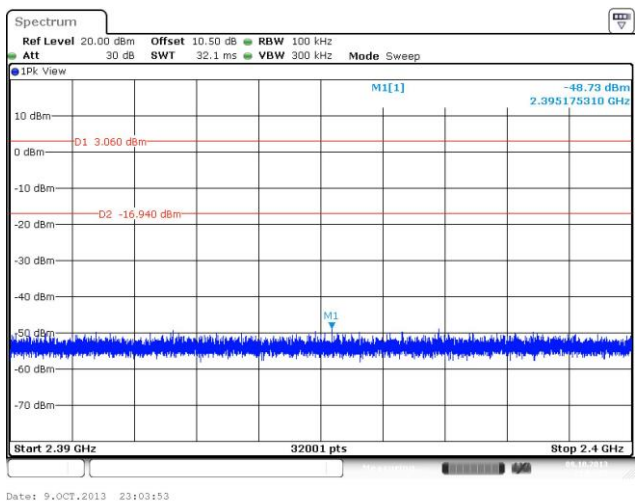
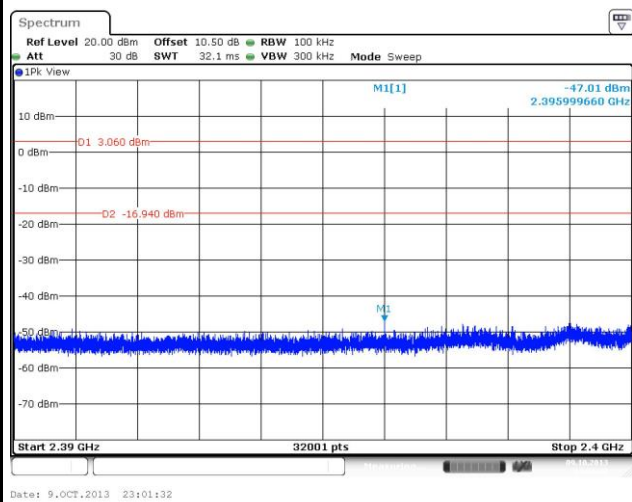
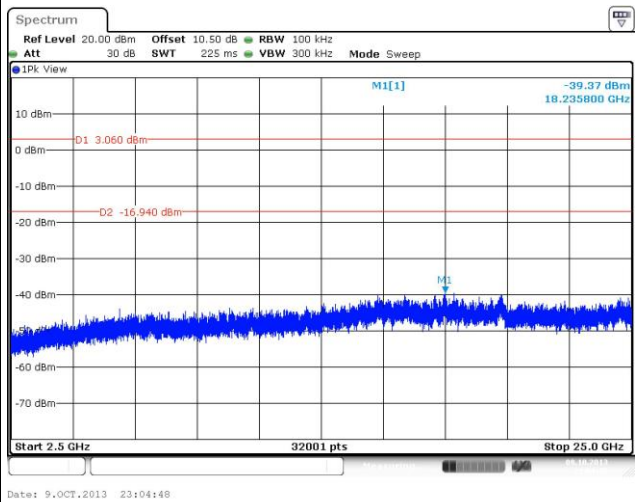
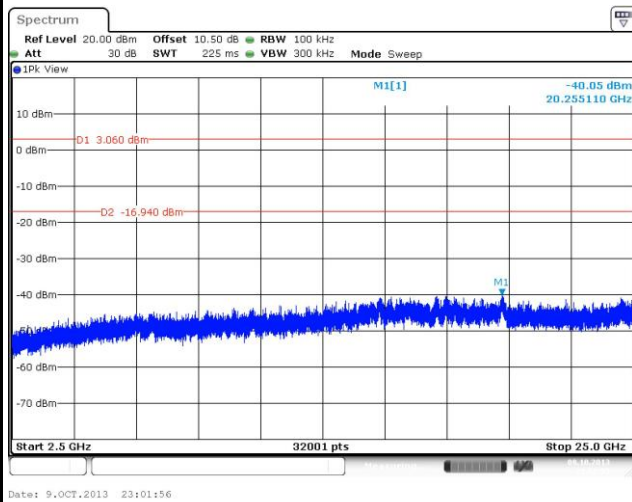
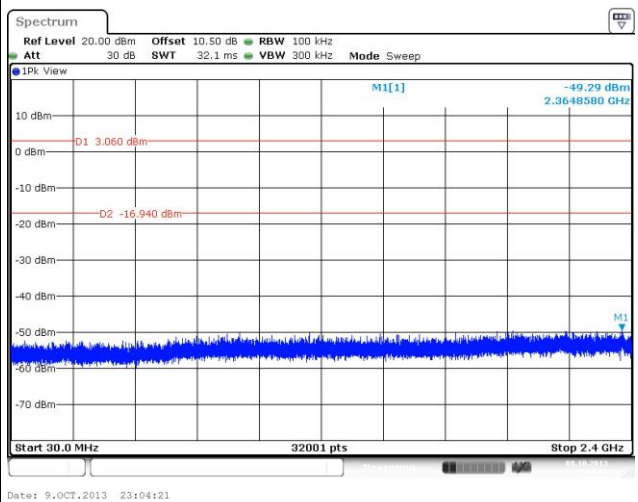
802.11b



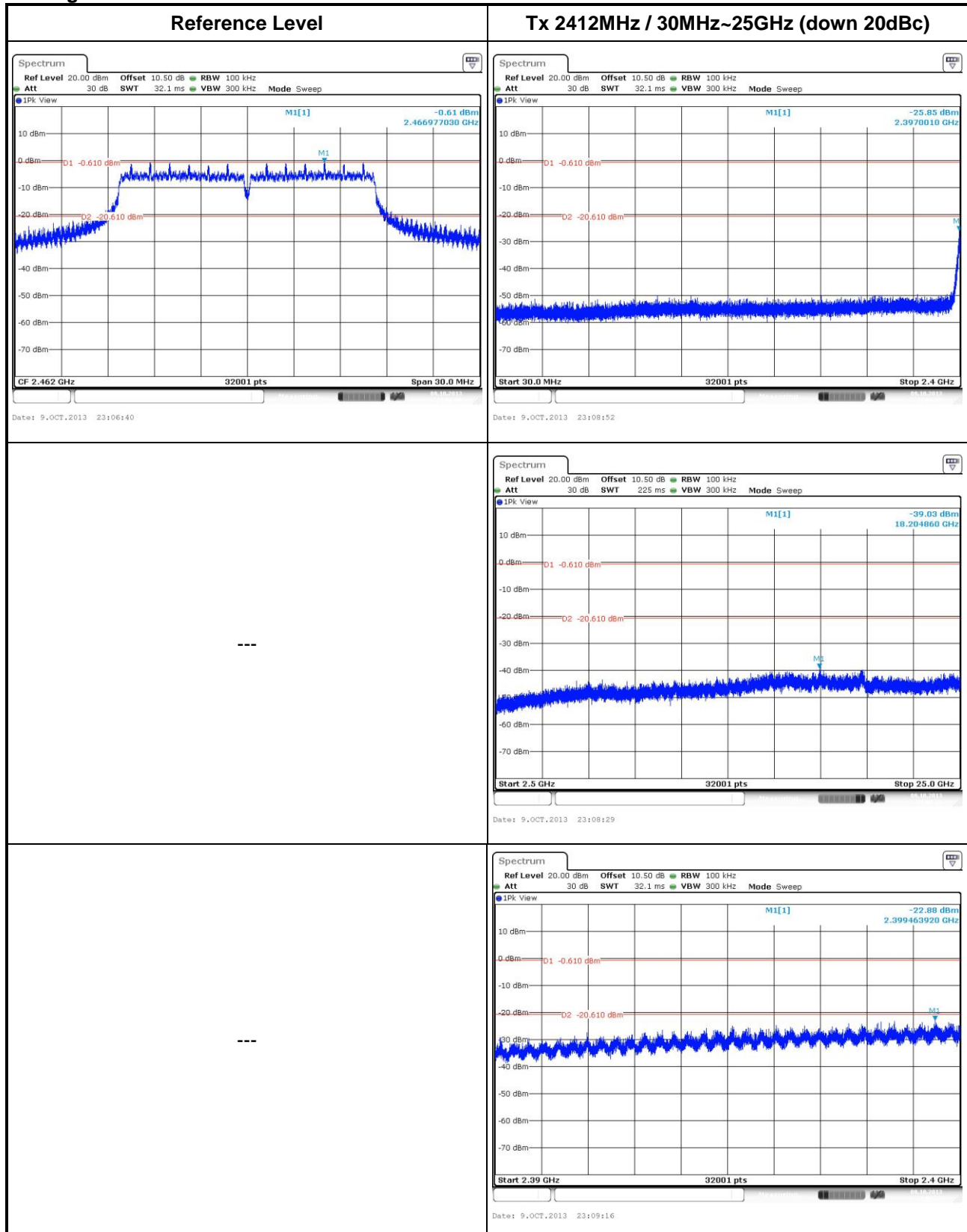
Tx 2437MHz / 30MHz~25GHz (down 20dBc)



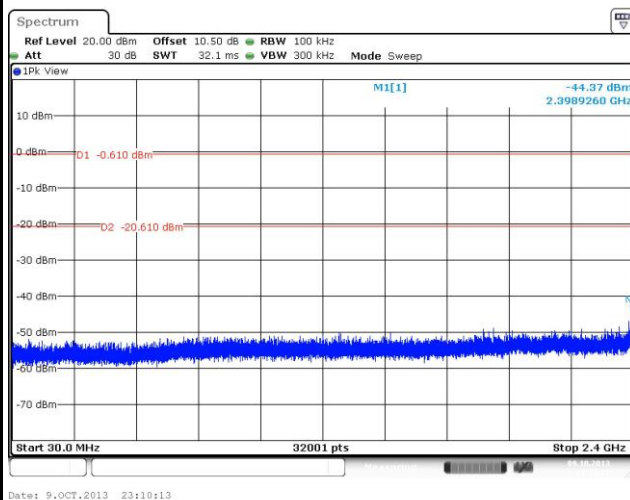
Tx 2462MHz / 30MHz~25GHz (down 20dBc)



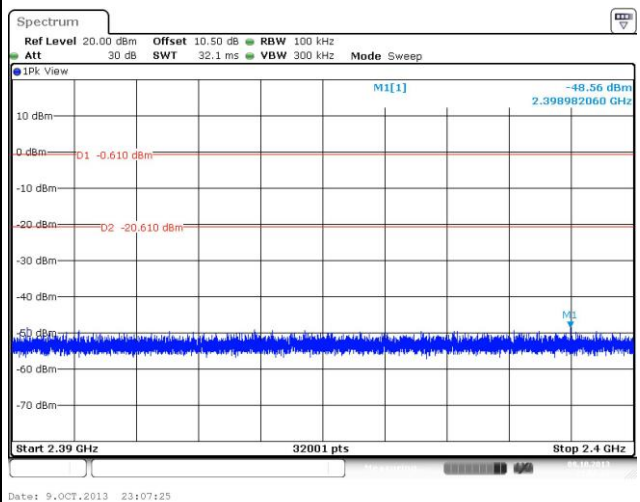
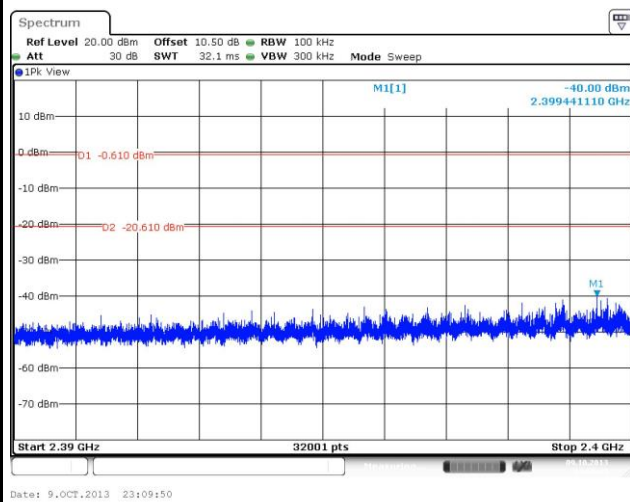
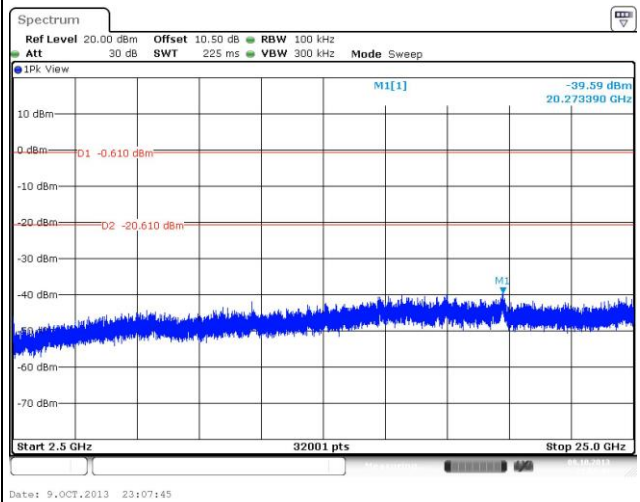
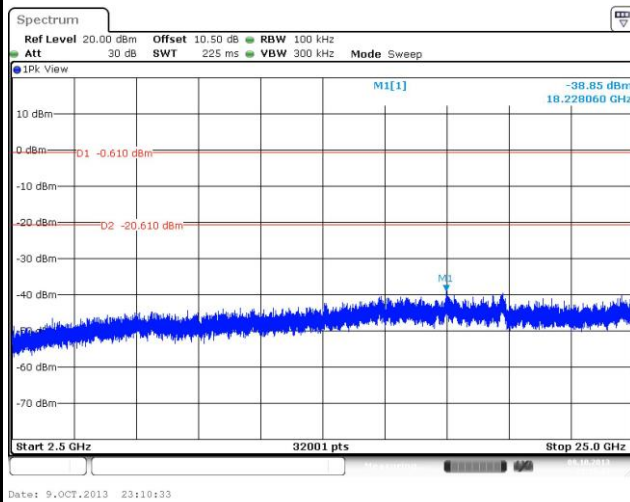
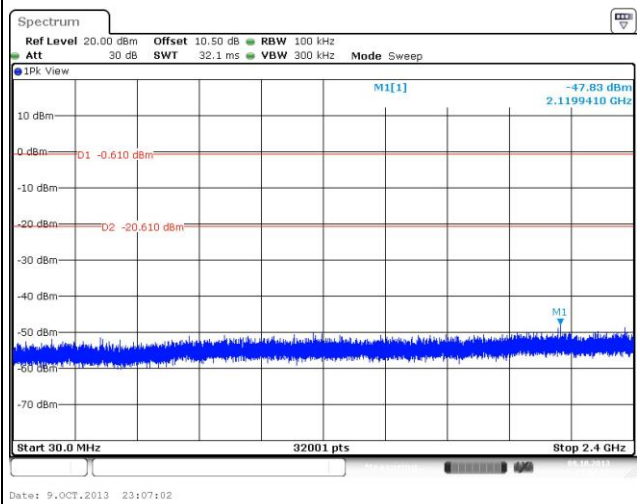
802.11g



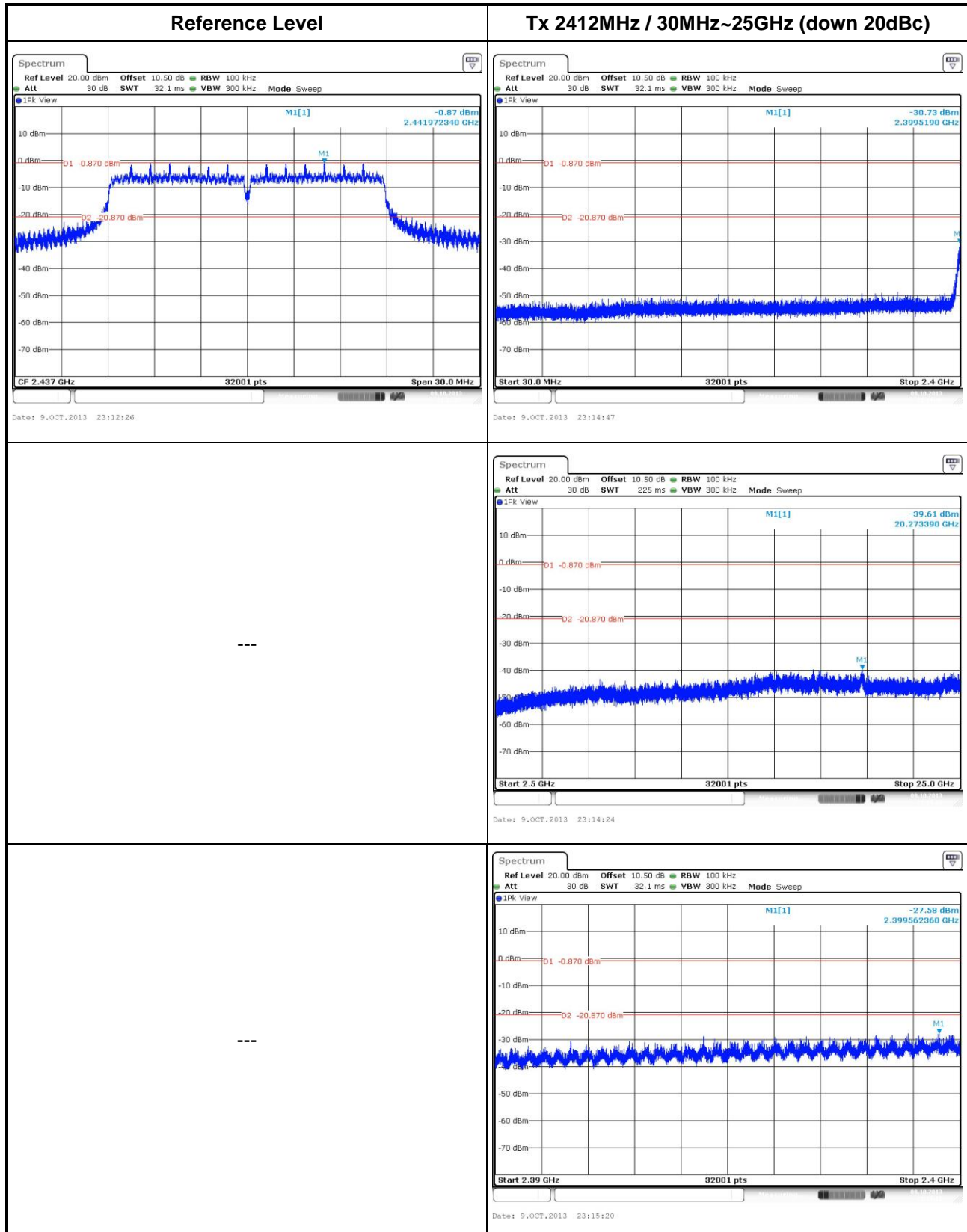
Tx 2437MHz / 30MHz~25GHz (down 20dBc)



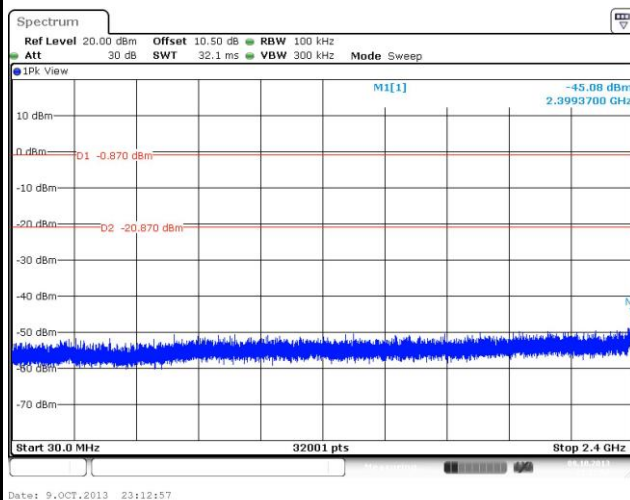
Tx 2462MHz / 30MHz~25GHz (down 20dBc)



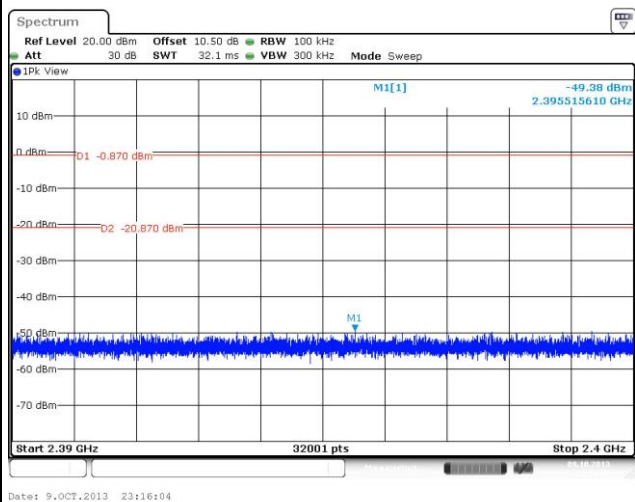
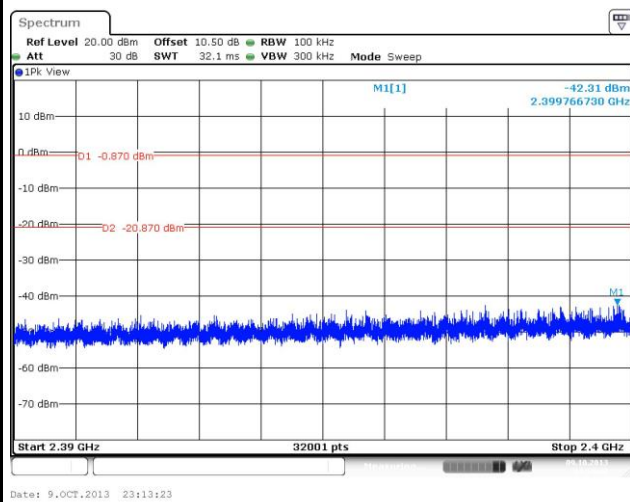
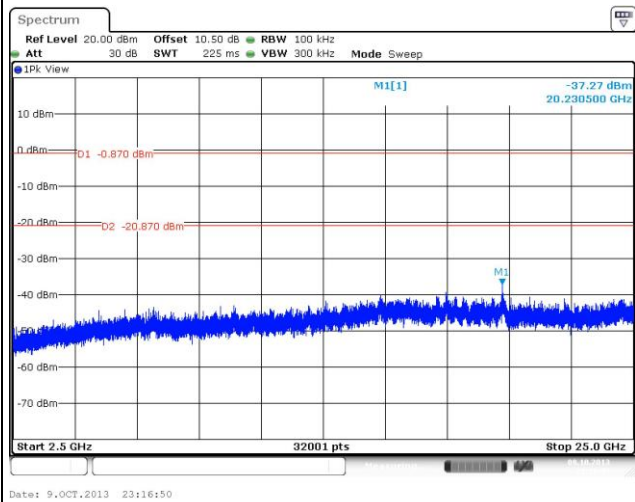
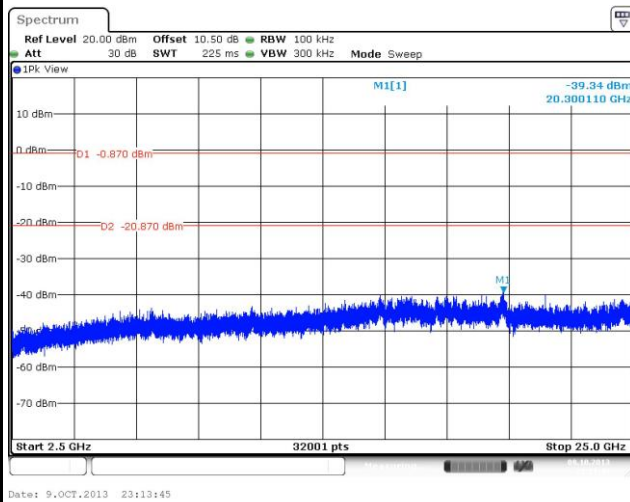
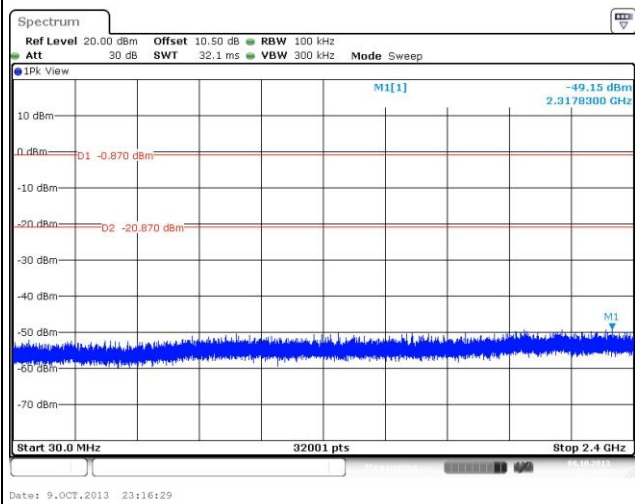
802.11n HT20



Tx 2437MHz / 30MHz~25GHz (down 20dBc)



Tx 2462MHz / 30MHz~25GHz (down 20dBc)



4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan Hsiang. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C.

Kwei Shan

Tel: 886-3-271-8666

No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

==END==