



Neutron Engineering Inc.

FCC Radio Test Report

FCC ID: W59XWR1750

This report concerns (check one): ☒ Original Grant ☐ Class II Change

Issued Date : Dec. 13, 2013
Project No. : 1308C047
Equipment : Dual Band Wireless AC1750 Gigabit Router
Model Name : XWR-1750
Applicant : Luxul Wireless
Address : 14203 Minuteman Drive, Suite 201, Draper, UT
USA

Tested by: Neutron Engineering Inc. EMC Laboratory

Date of Receipt: Aug. 08, 2013

Date of Test: Aug. 08, 2013~ Dec. 12, 2013

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Declaration

Neutron represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C.**, or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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REPORT ISSUED HISTORY

| Issued No. | Description | Issued Date |
|---------------------|-----------------|---------------|
| NEI-FCCP-1-1308C047 | Original Issue. | Dec. 13, 2013 |



1. CERTIFICATION

Equipment : Dual Band Wireless AC1750 Gigabit Router
Brand Name : Luxul Xen™
Model Name : XWR-1750
Applicant : Luxul Wireless
Date of Test : Aug. 08, 2013~ Dec. 12, 2013
Test Item : ENGINEERING SAMPLE
Standard(s) : FCC Part15(2012), Subpart C(15.247) / ANSI C63.4-2009

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-1-1308C047) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC Part15 (15.247) , Subpart C | | | | |
|---------------------------------|--|-------------------------------------|----------|--------|
| Standard(s) Section | | Test Item | Judgment | Remark |
| 15.207 | | Conducted Emission | PASS | |
| 15.247(d) | | Antenna conducted Spurious Emission | PASS | |
| 15.247(a)(2) | | 6dB Bandwidth | PASS | |
| 15.247(b)(3) | | Peak Output Power | PASS | |
| 15.247(e) | | Power Spectral Density | PASS | |
| 15.203 | | Antenna Requirement | PASS | |
| 15.209/15.205 | | Transmitter Radiated Emissions | PASS | |

NOTE:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The test follows FCC KDB Publication No. 558074 D01 DTS Meas Guidance v03r01 (Measurement Guidelines of DTS)



2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C02/DG-CB03** at the location of No.3,Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.523792
Neutron's test firm number is 319330

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

A. Conducted Measurement :

| Test Site | Method | Measurement Frequency Range | U , (dB) | NOTE |
|-----------|--------|-----------------------------|----------|------|
| DG-C02 | CISPR | 150 KHz ~ 30MHz | 1.94 | |

B. Radiated Measurement :

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U , (dB) | NOTE |
|-----------|--------|-----------------------------|------------|----------|------|
| DG-CB03 | CISPR | 9KHz~30MHz | V | 3.79 | |
| | | 9KHz~30MHz | H | 3.57 | |
| | | 30MHz ~ 200MHz | V | 3.82 | |
| | | 30MHz ~ 200MHz | H | 3.60 | |
| | | 200MHz ~ 1,000MHz | V | 3.86 | |
| | | 200MHz ~ 1,000MHz | H | 3.94 | |
| | | 1GHz~18GHz | V | 3.12 | |
| | | 1GHz~18GHz | H | 3.68 | |
| | | 18GHz~40GHz | V | 4.15 | |
| | | 18GHz~40GHz | H | 4.14 | |



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| | | |
|------------------------|--|--|
| Equipment | Dual Band Wireless AC1750 Gigabit Router | |
| Brand Name | Luxul Xen™ | |
| Model Name | XWR-1750 | |
| Model Difference | N/A | |
| Product Description | Operation Frequency | 2412~2462 MHz |
| | Modulation Technology | 802.11b:DSSS 802.11g:OFDM 802.11n:OFDM |
| | Bit Rate of Transmitter | 802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n up to 300 Mbps |
| | Number Of Channel | 11 CH, Please see note 2.(Page 10) |
| | Antenna Designation | Please see note 3.(Page 10) |
| | Antenna Gain(Peak) | |
| | Output Power (Max.) | 802.11b: 28.62 dBm 802.11g: 28.26 dBm 802.11n(20MHz):29.98 dBm 802.11n(40MHz):29.97 dBm |
| | More details of EUT technical specification, please refer to the User's Manual. | |
| | | |
| Power Source | DC voltage supplied from AC/DC adapter Brand / Model: HOIOTO/ADS-40FSG-12 12030GPCU | |
| Power Rating | I/P AC 100-240V~50/60Hz Max. 1.0A O/P DC 12V 2.5A | |
| Connecting I/O Port(s) | Please refer to the User's Manual | |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.






2. CH 01 – CH 11 for 802.11b, 802.11g, 802.11n(20MHz)
CH 03 – CH 09 for 802.11n(40MHz)

Channel List

| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| 01 | 2412 | 04 | 2427 | 07 | 2442 | 10 | 2457 |
| 02 | 2417 | 05 | 2432 | 08 | 2447 | 11 | 2462 |
| 03 | 2422 | 06 | 2437 | 09 | 2452 | | |

3. Table for Filed Antenna

| Ant. | Brand | M/N | Antenna Type | Connector | Gain (dBi) | Note |
|------|---|-------|----------------|-----------|------------|-------|
| 0 |  | Q5100 | Dipole Antenna | N/A | 5.0 | TX/RX |
| 1 |  | Q5100 | Dipole Antenna | N/A | 5.0 | TX/RX |
| 2 |  | Q5100 | Dipole Antenna | N/A | 5.0 | TX/RX |

Note: The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and three receivers (3T3R).all transmit signals are completely uncorrelated, then, Direction gain = G_{ANT} , that is Directional gain=5.0.

- 4.

| Operating Mode TX Mode | 1TX | 2TX |
|---------------------------|-----------------------------|---------------------------|
| 802.11b | V (ANT 0 or ANT 1 or ANT 2) | - |
| 802.11g | V (ANT 0 or ANT 1 or ANT 2) | - |
| 802.11n(20MHz) | - | V (ANT 0 & ANT 1 & ANT 2) |
| 802.11n(40MHz) | - | V (ANT 0 & ANT 1 & ANT 2) |



3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| Pretest Mode | Description |
|--------------|----------------------------------|
| Mode 1 | TX B MODE CHANNEL 01/06/11 |
| Mode 2 | TX G MODE CHANNEL 01/06/11 |
| Mode 3 | TX N-20MHZ MODE CHANNEL 01/06/11 |
| Mode 4 | TX N-40MHZ MODE CHANNEL 03/06/09 |
| Mode 5 | TX Mode |

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

| For Conducted Test | |
|--------------------|-------------|
| Final Test Mode | Description |
| Mode 5 | TX Mode |

| For Radiated Test | |
|-------------------|----------------------------------|
| Final Test Mode | Description |
| Mode 1 | TX B MODE CHANNEL 01/06/11 |
| Mode 2 | TX G MODE CHANNEL 01/06/11 |
| Mode 3 | TX N-20MHZ MODE CHANNEL 01/06/11 |
| Mode 4 | TX N-40MHZ MODE CHANNEL 03/06/09 |

Note:

- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
 802.11g mode: OFDM (6Mbps)
 802.11n HT20 mode : QPSK (26Mbps)
 802.11n HT40 mode : QPSK (54Mbps)
 For radiated emission tests, the highest output powers were set for final test.
- (3) The EUT was pre-tested on positioned of each 3 axis. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.
- (4) For radiated below 1G test, the 802.11a mode is found to be the worst case and recorded.



3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN

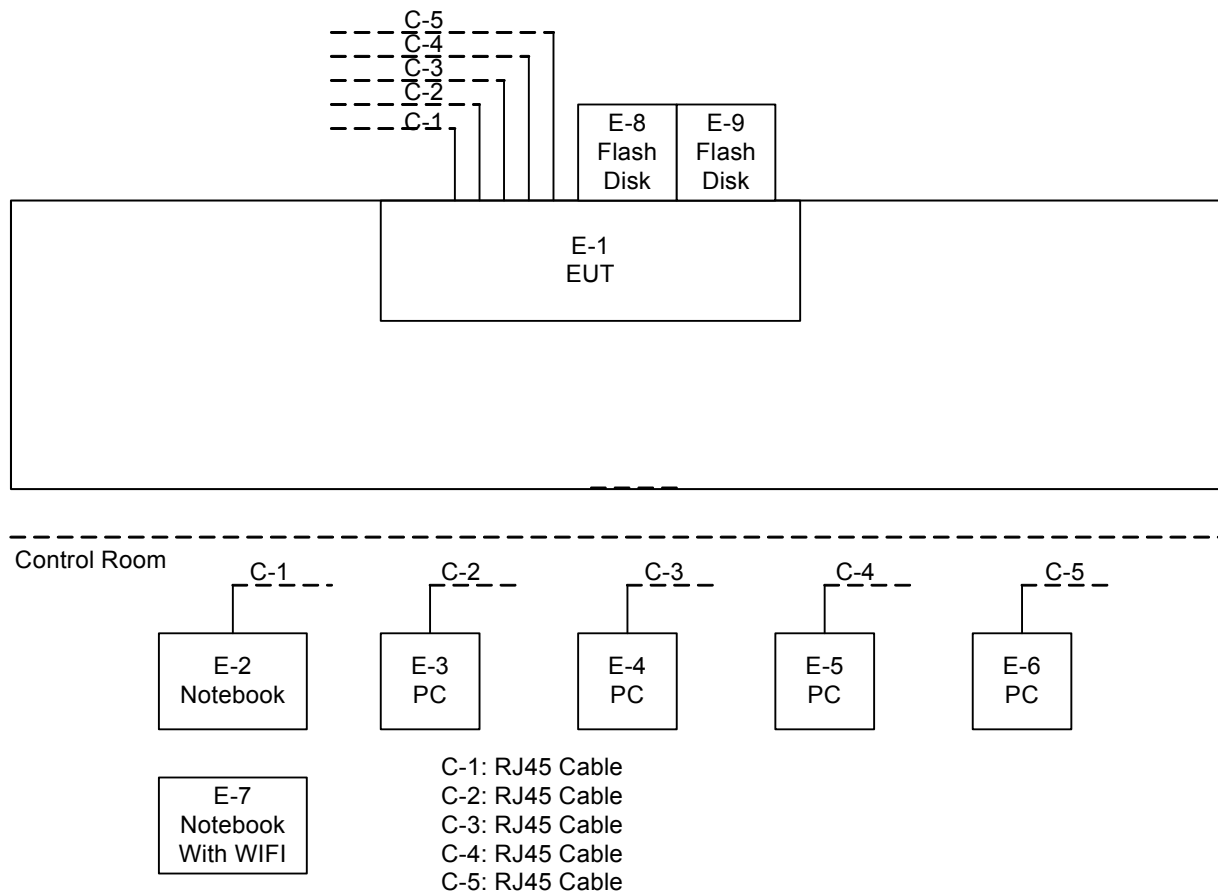
| | | | |
|-----------------------|-------------------|-----------------|-----------------|
| Test software version | MTool_2.0.0.3.exe | | |
| Frequency | 2412 MHz | 2437 MHz | 2462 MHz |
| IEEE 802.11b DSSS | 74 | 86 | 82 |
| IEEE 802.11g OFDM | 86 | 86 | 50 |

| | | | |
|------------------------|-------------------|-----------------|-----------------|
| Test software version | MTool_2.0.0.3.exe | | |
| Frequency (MHz) | 2412 MHz | 2437 MHz | 2462 MHz |
| IEEE 802.11n (20MHz) | 64 | 66 | 66 |
| Frequency (MHz) | 2422 MHz | 2437 MHz | 2452 MHz |
| IEEE 802.11n (40MHz) | 0 | 62 | 46 |

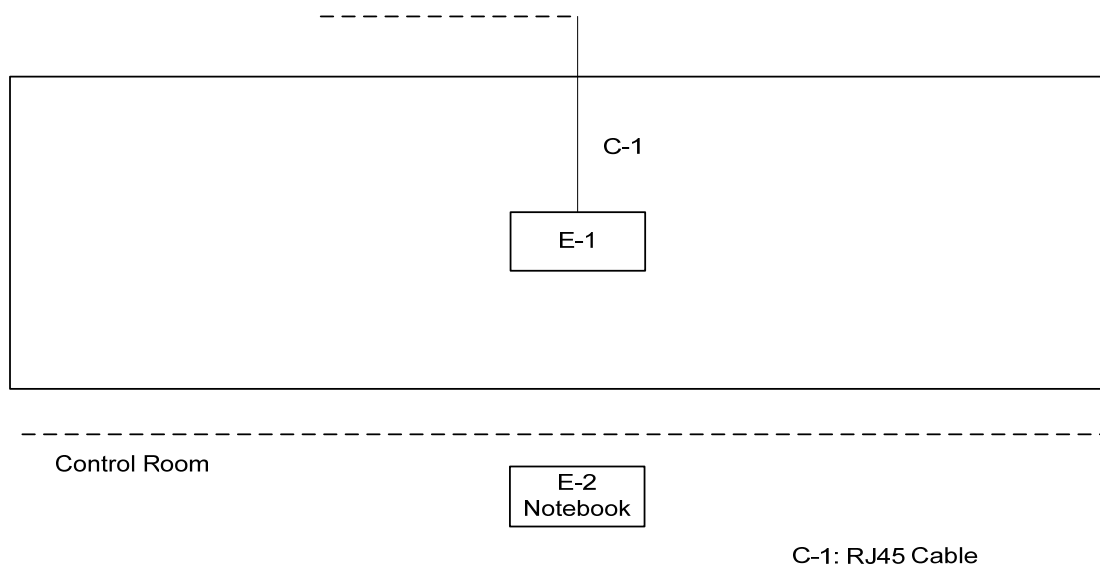


3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Mode:



Radiated TX Mode:





3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Mfr/Brand | Model/Type No. | FCC ID | Series No. | Note |
|------|--|------------|----------------|------------|------------------|------|
| E-1 | Dual Band Wireless AC1750 Gigabit Router | Luxul Xen™ | XWR-1750 | W59XWR1750 | N/A | EUT |
| E-2 | Notebook | Dell | INSPIRON 1420 | DOC | JX193A01SDC2 | |
| E-3 | PC | Dell | 745 | DOC | J8K832X | |
| E-4 | PC | Dell | 320 | DOC | J4JQ52X | |
| E-5 | PC | Dell | 755 | DOC | 8PWN82X | |
| E-6 | PC | Dell | 745 | DOC | G7K832X | |
| E-7 | Notebook | ASUS | F9Eseries | DOC | 7AN0AS301331 | |
| E-8 | Flash Disk | Kingston | DTI/1GB | DOC | 520B21E4-819957C | |
| E-9 | Flash Disk | Kingston | DTI/1GB | DOC | 39621564-014D517 | |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|------|
| C-1 | NO | NO | 10m | |
| C-2 | NO | NO | 10m | |
| C-3 | NO | NO | 10m | |
| C-4 | NO | NO | 10m | |
| C-5 | NO | NO | 10m | |

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in m in 『Length』 column.



4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

| FREQUENCY (MHz) | Class A (dBuV) | | Class B (dBuV) | | Standard |
|-----------------|----------------|---------|----------------|-----------|----------|
| | Quasi-peak | Average | Quasi-peak | Average | |
| 0.15 -0.5 | 79.00 | 66.00 | 66 - 56 * | 56 - 46 * | CISPR |
| 0.50 -5.0 | 73.00 | 60.00 | 56.00 | 46.00 | CISPR |
| 5.0 -30.0 | 73.00 | 60.00 | 60.00 | 50.00 | CISPR |

| | | | | | |
|-----------|-------|-------|-----------|-----------|-----|
| 0.15 -0.5 | 79.00 | 66.00 | 66 - 56 * | 56 - 46 * | FCC |
| 0.50 -5.0 | 73.00 | 60.00 | 56.00 | 46.00 | FCC |
| 5.0 -30.0 | 73.00 | 60.00 | 60.00 | 50.00 | FCC |

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.1.2 MEASUREMENT INSTRUMENTS LIST AND SETTING

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|--------------|----------|------------|------------------|
| 1 | LISN | EMCO | 3816/2 | 00052765 | Apr. 25, 2014 |
| 2 | LISN | R&S | ENV216 | 100087 | Nov. 09, 2014 |
| 3 | Test Cable | N/A | C_17 | N/A | Mar.15, 2014 |
| 4 | EMI TEST RECEIVER | R&S | ESCS30 | 826547/022 | Apr. 25, 2014 |
| 5 | 50Ω Terminator | SHX | TF2-3G-A | 08122902 | Apr. 25, 2014 |

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

The following table is the setting of the receiver

| Receiver Parameters | Setting |
|---------------------|----------|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |

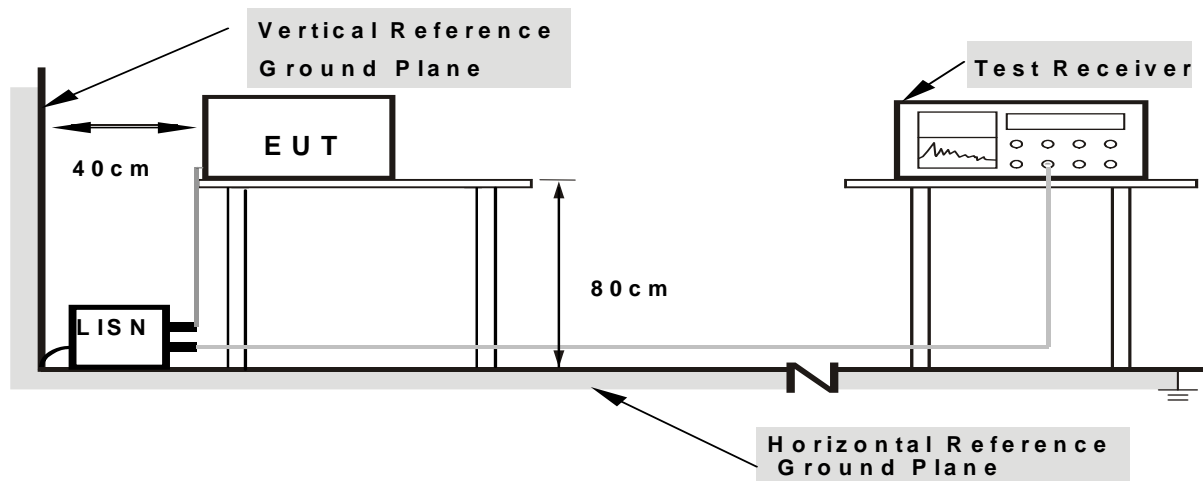
4.1.3 TEST PROCEDURE

- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 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

4.1.6 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



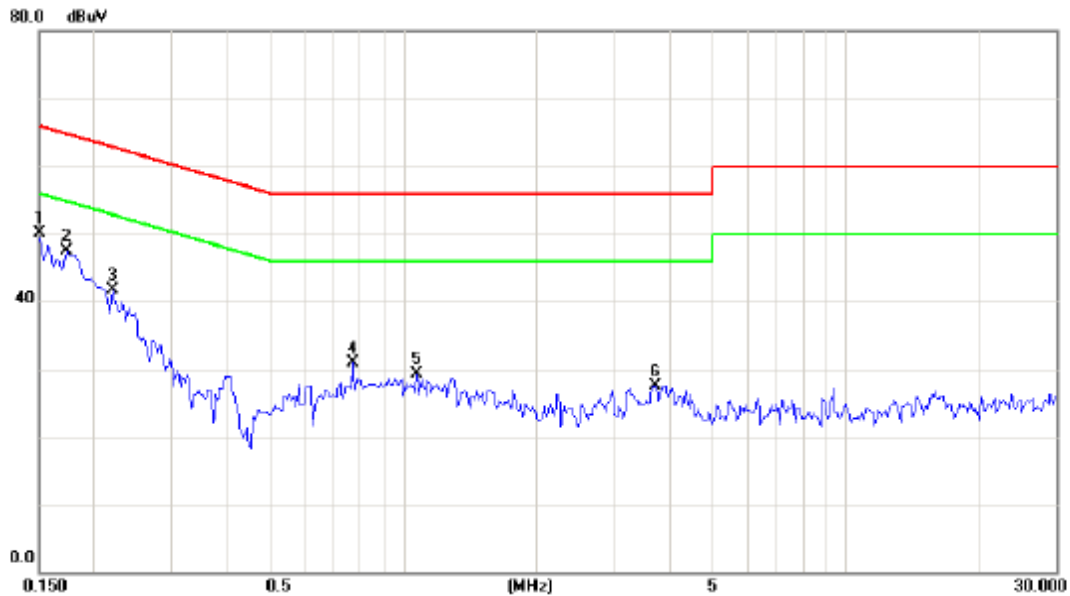
4.1.7 TEST RESULTS

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a “ * ” marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.



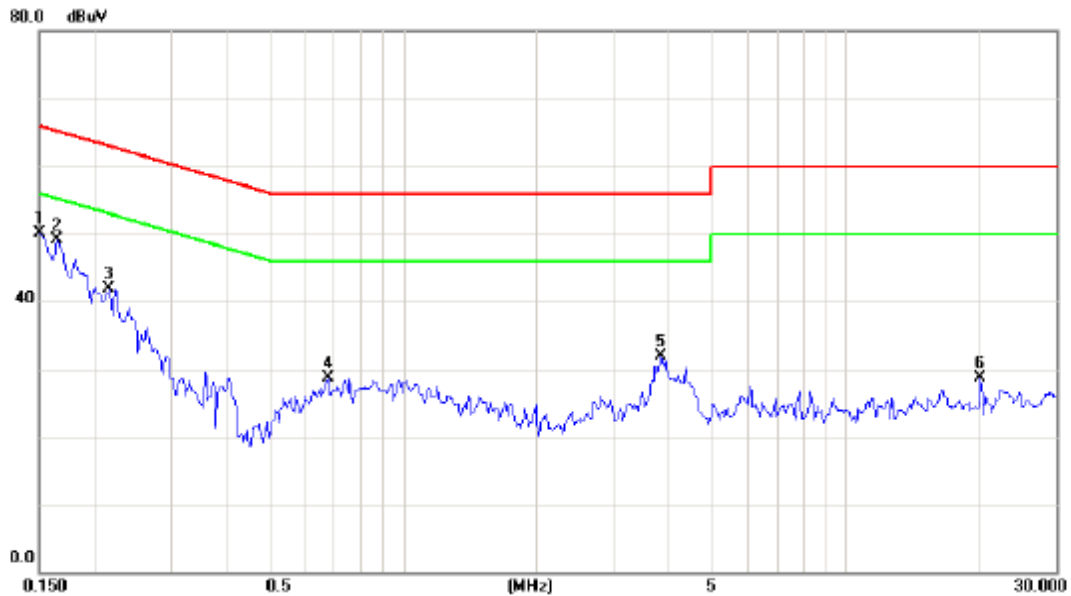
| | | | |
|--------------|--|--------------------|----------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name: | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 55 % |
| Test Power: | AC 120V/60Hz | Phase: | Line |
| Test Mode : | TX Mode | | |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | * | 0.1500 | 40.42 | 9.63 | 50.05 | 66.00 | -15.95 | peak | |
| 2 | | 0.1734 | 37.90 | 9.63 | 47.53 | 64.80 | -17.27 | peak | |
| 3 | | 0.2203 | 32.12 | 9.65 | 41.77 | 62.81 | -21.04 | peak | |
| 4 | | 0.7672 | 21.21 | 9.72 | 30.93 | 56.00 | -25.07 | peak | |
| 5 | | 1.0720 | 19.61 | 9.75 | 29.36 | 56.00 | -26.64 | peak | |
| 6 | | 3.7227 | 17.68 | 9.88 | 27.56 | 56.00 | -28.44 | peak | |



| | | | |
|--------------|--|--------------------|----------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name: | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 55 % |
| Test Power: | AC 120V/60Hz | Phase: | Neutral |
| Test Mode : | TX Mode | | |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | * | 0.1500 | 40.34 | 9.70 | 50.04 | 66.00 | -15.96 | peak | |
| 2 | | 0.1655 | 39.32 | 9.70 | 49.02 | 65.18 | -16.16 | peak | |
| 3 | | 0.2164 | 32.28 | 9.71 | 41.99 | 62.96 | -20.97 | peak | |
| 4 | | 0.6773 | 18.95 | 9.75 | 28.70 | 56.00 | -27.30 | peak | |
| 5 | | 3.8242 | 21.90 | 9.91 | 31.81 | 56.00 | -24.19 | peak | |
| 6 | | 20.1758 | 18.27 | 10.39 | 28.66 | 60.00 | -31.34 | peak | |



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS (Frequency Range 9KHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequencies (MHz) | Field Strength (micorvolts/meter) | Measurement Distance (meters) |
|----------------------|--------------------------------------|----------------------------------|
| 0.009~0.490 | 2400/F(KHz) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| 960~1000 | 500 | 3 |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| FREQUENCY (MHz) | (dBuV/m) (at 3m) | |
|-----------------|------------------|---------|
| | PEAK | AVERAGE |
| Above 1000 | 74 | 54 |

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

| Spectrum Parameter | Setting |
|--|--|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RB / VB (Emission in restricted band) | 1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average |

| Receiver Parameter | Setting |
|------------------------|-----------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~90kHz for PK/AVG detector |
| Start ~ Stop Frequency | 90kHz~110kHz for QP detector |
| Start ~ Stop Frequency | 110kHz~490kHz for PK/AVG detector |
| Start ~ Stop Frequency | 490kHz~30MHz for QP detector |
| Start ~ Stop Frequency | 30MHz~1000MHz for QP detector |



4.2.2 MEASUREMENT INSTRUMENTS LIST AND SETTING

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------------|--------------|-----------|------------|------------------|
| 1 | Antenna | Schwarbeck | VULB9160 | 9160-3232 | Apr. 25, 2014 |
| 2 | Amplifier | HP | 8447D | 2944A09673 | Apr. 25, 2014 |
| 3 | Test Receiver | R&S | ESCI | 100382 | Apr. 25, 2014 |
| 4 | Test Cable | N/A | C-01_CB03 | N/A | Jul. 02, 2014 |
| 5 | Antenna | ETS | 3115 | 00075789 | Apr. 25, 2014 |
| 6 | Amplifier | Agilent | 8449B | 3008A02274 | Apr. 25, 2014 |
| 7 | Spectrum | Agilent | E4408B | US39240143 | Nov. 09, 2014 |
| 8 | Test Cable | HUBER+SUHNER | C-45 | N/A | Apr. 30, 2014 |
| 9 | Controller | CT | SC100 | N/A | N/A |
| 10 | Horn Antenna | EMCO | 3115 | 9605-4803 | Apr. 25, 2014 |
| 11 | Active Loop Antenna | R&S | HFH2-Z2 | 830749/020 | Apr. 25, 2014 |
| 12 | Broad-Band Horn Antenna | Schwarzbeck | BBHA 9170 | 9170319 | Oct. 22, 2014 |

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

4.2.3 TEST PROCEDURE

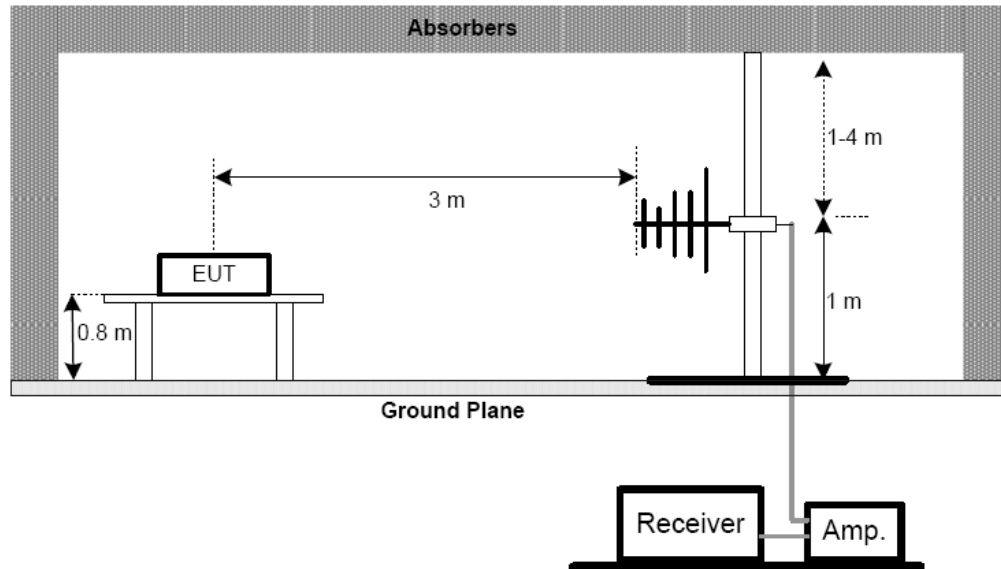
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.4 DEVIATION FROM TEST STANDARD

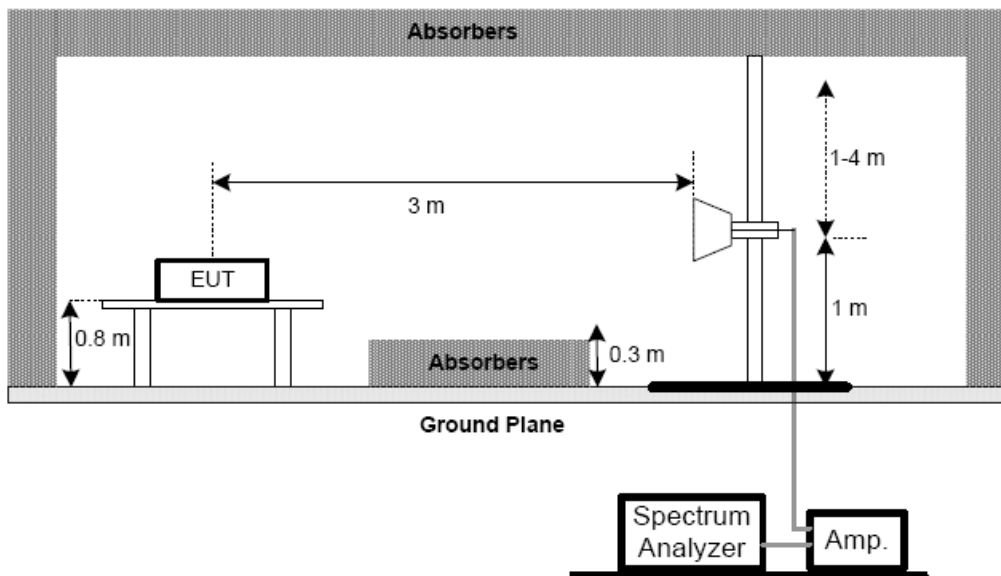
No deviation

4.2.5 TEST SETUP

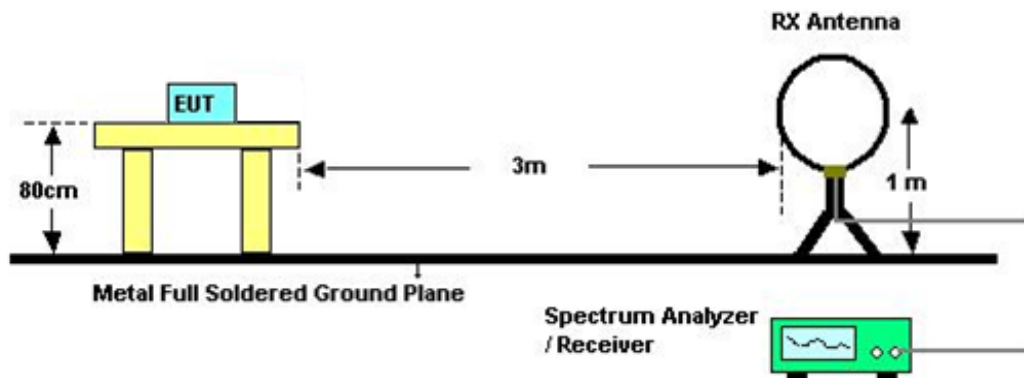
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



(C) For radiated emissions below 30MHz



4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.



4.2.7 TEST RESULTS (BELOW 30MHZ)

| | | | |
|---------------|--|--------------------|----------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name: | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 54 % |
| Test Voltage: | AC 120V/60Hz | | |
| Test Mode: | TX MODE | | |

| Freq. (MHz) | Ant. 0°/90° | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|----------------|----------------|-----------------------|-------------------------|--------------------------|------------------------|----------------|------|
| 0.0088 | 0° | 25.31 | 24.30 | 49.61 | 128.71 | -79.10 | AV |
| 0.0088 | 0° | 29.55 | 24.30 | 53.85 | 148.71 | -94.86 | PK |
| 0.0251 | 0° | 21.34 | 23.98 | 45.32 | 119.60 | -74.29 | AV |
| 0.0251 | 0° | 24.42 | 23.98 | 48.40 | 139.60 | -91.21 | PK |
| 0.0383 | 0° | 21.24 | 23.14 | 44.38 | 115.93 | -71.55 | AV |
| 0.0383 | 0° | 24.73 | 23.14 | 47.87 | 135.93 | -88.06 | PK |
| 0.0676 | 0° | 18.73 | 22.05 | 40.78 | 111.01 | -70.23 | AV |
| 0.0676 | 0° | 23.42 | 22.05 | 45.47 | 131.01 | -85.54 | PK |
| 0.2637 | 0° | 20.78 | 20.37 | 41.15 | 99.18 | -58.03 | AVG |
| 0.2637 | 0° | 22.74 | 20.37 | 43.11 | 119.18 | -76.07 | PK |
| 1.4736 | 0° | 27.34 | 19.55 | 46.89 | 64.24 | -17.34 | QP |

| Freq. (MHz) | Ant. 0°/90° | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|----------------|----------------|-----------------------|-------------------------|--------------------------|------------------------|----------------|------|
| 0.0092 | 90° | 19.12 | 24.30 | 43.42 | 128.30 | -84.88 | AVG |
| 0.0092 | 90° | 20.45 | 24.30 | 44.75 | 148.30 | -103.55 | PK |
| 0.0228 | 90° | 15.24 | 24.13 | 39.37 | 120.46 | -81.10 | AVG |
| 0.0228 | 90° | 17.96 | 24.13 | 42.09 | 140.46 | -98.38 | PK |
| 0.0464 | 90° | 18.75 | 22.63 | 41.38 | 114.28 | -72.90 | AVG |
| 0.0464 | 90° | 21.64 | 22.63 | 44.27 | 134.28 | -90.01 | PK |
| 0.0775 | 90° | 21.37 | 21.85 | 43.22 | 109.82 | -66.60 | AVG |
| 0.0775 | 90° | 22.53 | 21.85 | 44.38 | 129.82 | -85.44 | PK |
| 0.3754 | 90° | 21.58 | 20.10 | 41.68 | 96.12 | -54.44 | AVG |
| 0.3754 | 90° | 24.89 | 20.10 | 44.99 | 116.12 | -71.13 | PK |
| 1.6864 | 90° | 25.47 | 19.53 | 45.00 | 63.07 | -18.06 | QP |

Remark:

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.



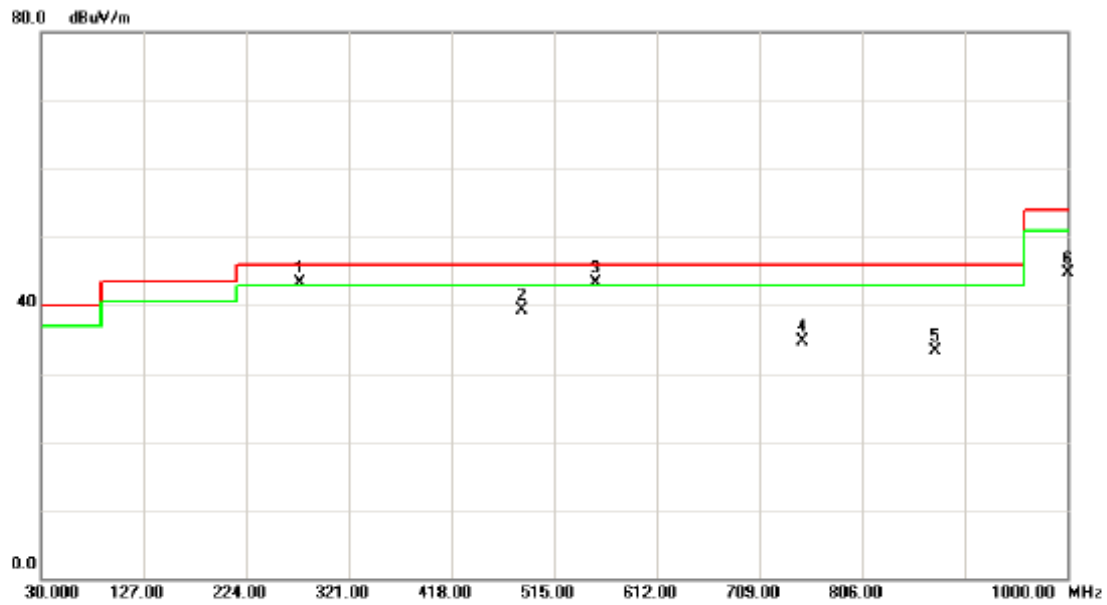
4.2.8 TEST RESULTS (BETWEEN 30 – 1000 MHZ)

Remark:

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦



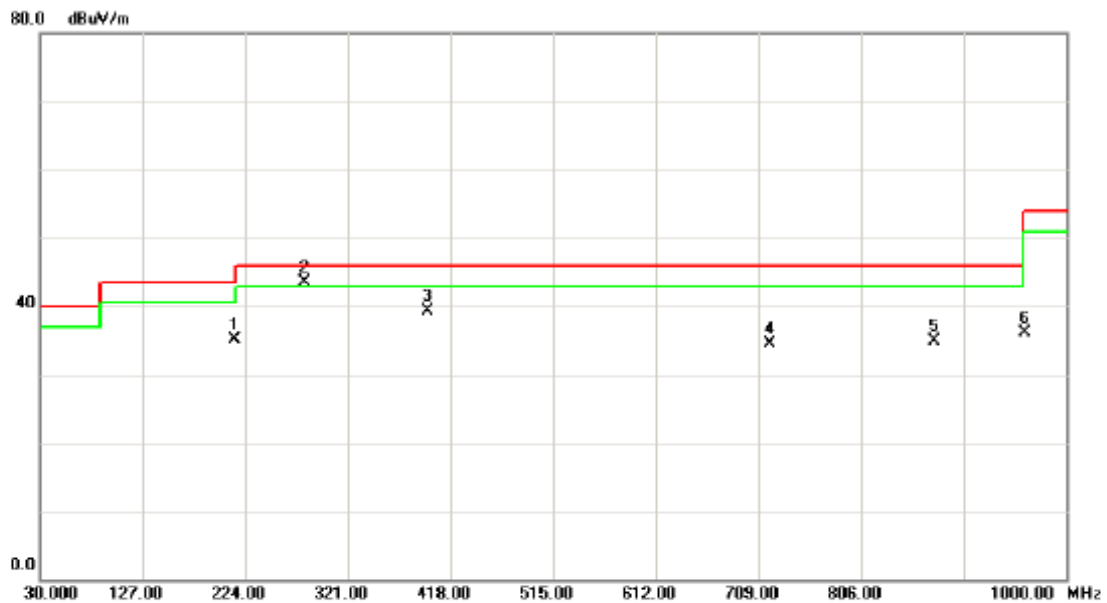
| | | | |
|---------------|--|--------------------|----------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name: | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 54 % |
| Test Voltage: | AC 120V/60Hz | Polarization: | Vertical |
| Test Mode: | TX B MODE CHANNEL 01 | | |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | * | 275.4100 | 56.44 | -13.16 | 43.28 | 46.00 | -2.72 | peak | |
| 2 | | 483.9600 | 49.11 | -9.88 | 39.23 | 46.00 | -6.77 | peak | |
| 3 | ! | 553.8000 | 50.93 | -7.68 | 43.25 | 46.00 | -2.75 | peak | |
| 4 | | 749.7400 | 39.67 | -4.91 | 34.76 | 46.00 | -11.24 | peak | |
| 5 | | 874.8700 | 35.87 | -2.48 | 33.39 | 46.00 | -12.61 | peak | |
| 6 | | 1000.000 | 44.40 | 0.26 | 44.66 | 54.00 | -9.34 | peak | |



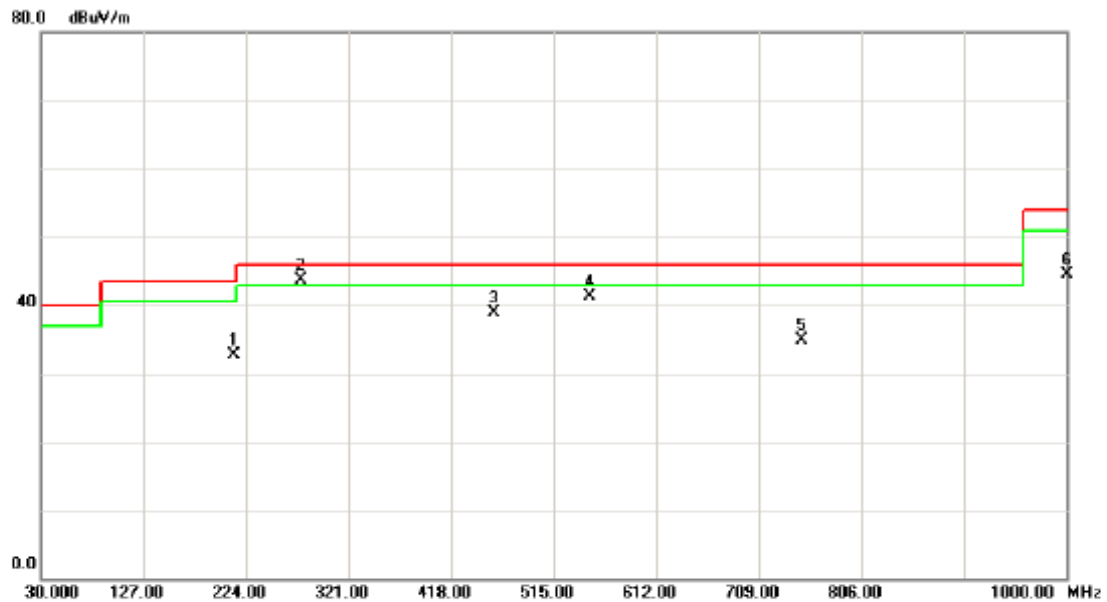
| | | | |
|---------------|--|--------------------|------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name: | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 54 % |
| Test Voltage: | AC 120V/60Hz | Polarization: | Horizontal |
| Test Mode: | TX B MODE CHANNEL 01 | | |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | | 214.3000 | 50.33 | -15.15 | 35.18 | 43.50 | -8.32 | peak | |
| 2 | * | 280.2600 | 55.98 | -12.52 | 43.46 | 46.00 | -2.54 | peak | |
| 3 | | 396.6600 | 49.29 | -9.98 | 39.31 | 46.00 | -6.69 | peak | |
| 4 | | 719.6700 | 39.42 | -4.85 | 34.57 | 46.00 | -11.43 | peak | |
| 5 | | 874.8700 | 37.32 | -2.48 | 34.84 | 46.00 | -11.16 | peak | |
| 6 | | 960.2300 | 36.41 | -0.37 | 36.04 | 54.00 | -17.96 | peak | |



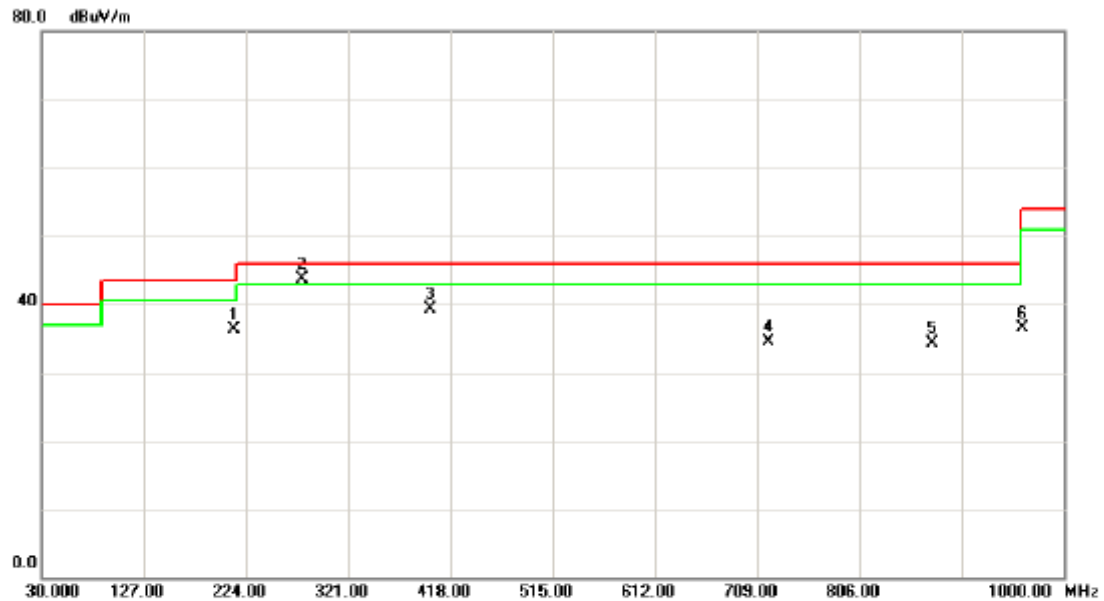
| | | | |
|---------------|--|--------------------|----------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name: | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 54 % |
| Test Voltage: | AC 120V/60Hz | Polarization: | Vertical |
| Test Mode: | TX B MODE CHANNEL 06 | | |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | | 213.3300 | 47.87 | -15.17 | 32.70 | 43.50 | -10.80 | peak | |
| 2 | * | 276.3800 | 56.70 | -13.03 | 43.67 | 46.00 | -2.33 | peak | |
| 3 | | 458.7400 | 48.06 | -9.16 | 38.90 | 46.00 | -7.10 | peak | |
| 4 | | 548.9500 | 48.91 | -7.70 | 41.21 | 46.00 | -4.79 | peak | |
| 5 | | 749.7400 | 39.87 | -4.91 | 34.96 | 46.00 | -11.04 | peak | |
| 6 | | 1000.000 | 44.33 | 0.26 | 44.59 | 54.00 | -9.41 | peak | |



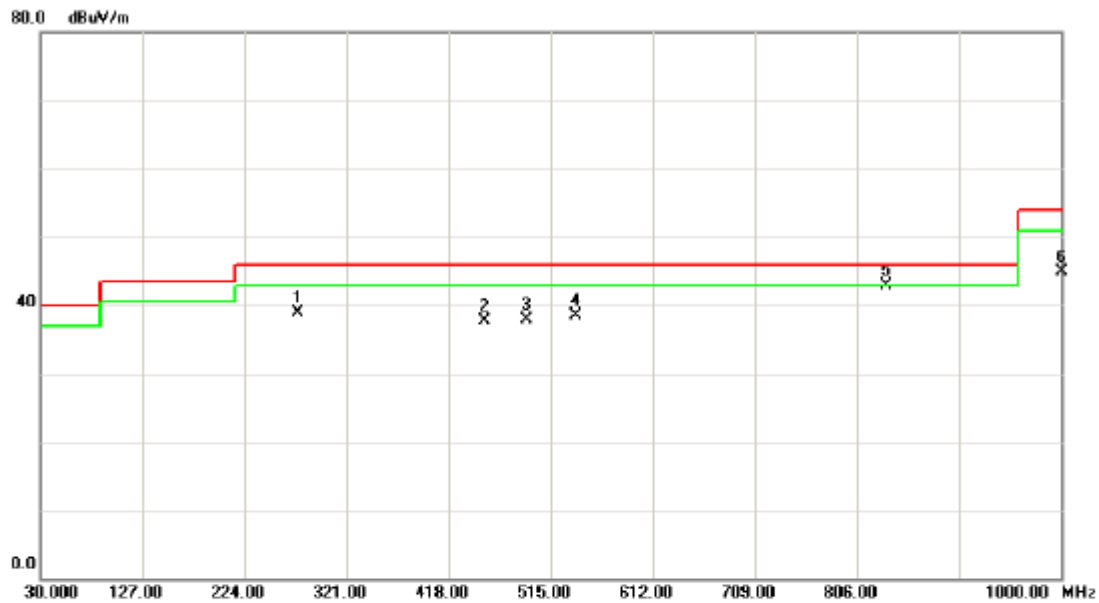
| | | | |
|---------------|--|--------------------|------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name: | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 54 % |
| Test Voltage: | AC 120V/60Hz | Polarization: | Horizontal |
| Test Mode: | TX B MODE CHANNEL 06 | | |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | | 213.3300 | 51.41 | -15.17 | 36.24 | 43.50 | -7.26 | peak | |
| 2 | * | 277.3500 | 56.61 | -12.89 | 43.72 | 46.00 | -2.28 | peak | |
| 3 | | 399.5700 | 49.29 | -9.89 | 39.40 | 46.00 | -6.60 | peak | |
| 4 | | 719.6700 | 39.35 | -4.85 | 34.50 | 46.00 | -11.50 | peak | |
| 5 | | 874.8700 | 36.74 | -2.48 | 34.26 | 46.00 | -11.74 | peak | |
| 6 | | 960.2300 | 36.93 | -0.37 | 36.56 | 54.00 | -17.44 | peak | |



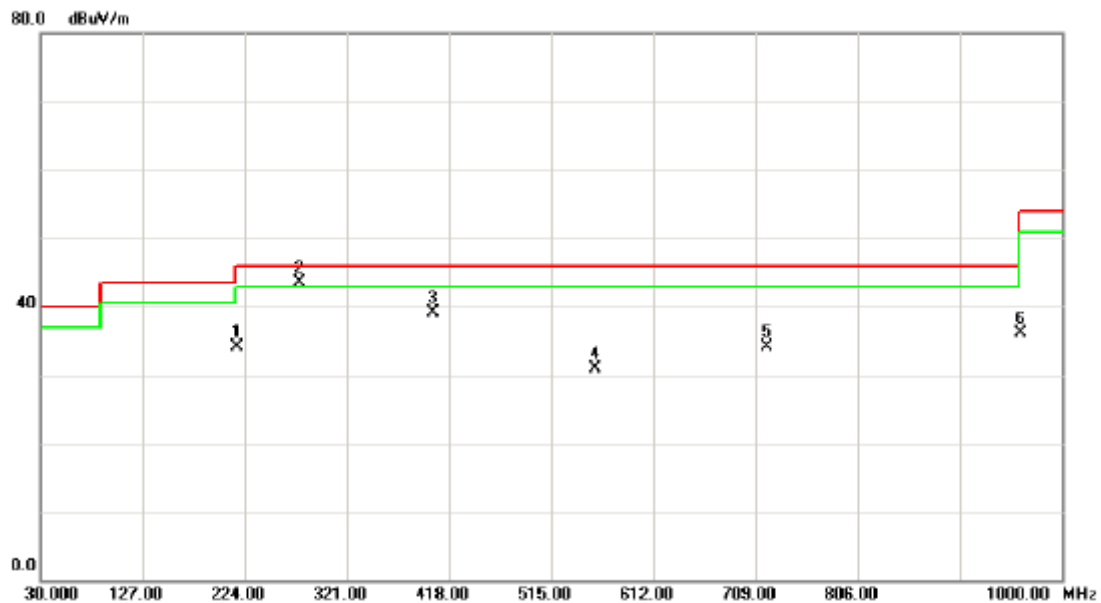
| | | | |
|---------------|--|--------------------|----------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name: | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 54 % |
| Test Voltage: | AC 120V/60Hz | Polarization: | Vertical |
| Test Mode: | TX B MODE CHANNEL 11 | | |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | | 275.4100 | 51.97 | -13.16 | 38.81 | 46.00 | -7.19 | peak | |
| 2 | | 451.9500 | 46.62 | -8.97 | 37.65 | 46.00 | -8.35 | peak | |
| 3 | | 492.6900 | 48.07 | -10.13 | 37.94 | 46.00 | -8.06 | peak | |
| 4 | | 538.2800 | 46.87 | -8.28 | 38.59 | 46.00 | -7.41 | peak | |
| 5 | * | 833.1600 | 46.38 | -3.49 | 42.89 | 46.00 | -3.11 | peak | |
| 6 | | 1000.000 | 44.57 | 0.26 | 44.83 | 54.00 | -9.17 | peak | |



| | | | |
|---------------|--|--------------------|------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name: | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 54 % |
| Test Voltage: | AC 120V/60Hz | Polarization: | Horizontal |
| Test Mode: | TX B MODE CHANNEL 11 | | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 216.2400 | 49.27 | -15.12 | 34.15 | 46.00 | -11.85 | peak | |
| 2 | * | 276.3800 | 56.60 | -13.03 | 43.57 | 46.00 | -2.43 | peak | |
| 3 | | 403.4500 | 48.86 | -9.81 | 39.05 | 46.00 | -6.95 | peak | |
| 4 | | 556.7100 | 38.62 | -7.71 | 30.91 | 46.00 | -15.09 | peak | |
| 5 | | 719.6700 | 38.86 | -4.85 | 34.01 | 46.00 | -11.99 | peak | |
| 6 | | 960.2300 | 36.54 | -0.37 | 36.17 | 54.00 | -17.83 | peak | |



4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX B MODE 2412MHz | | |

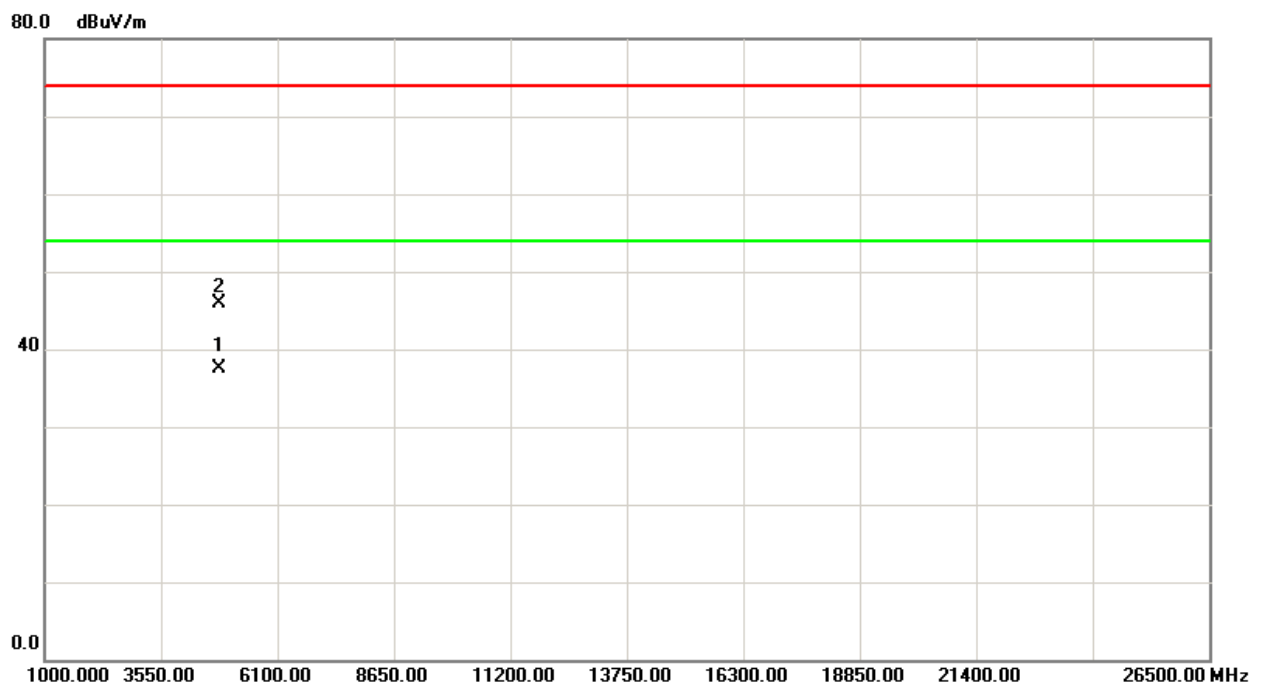
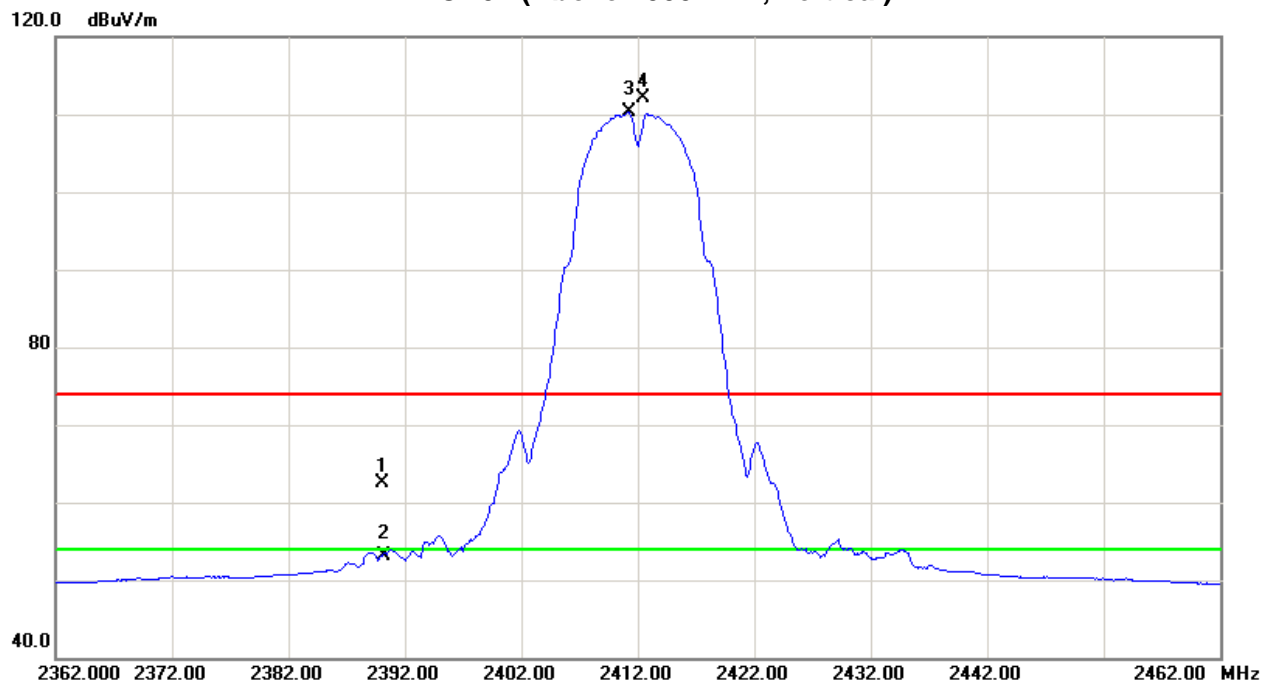
| Freq. (MHz) | Ant.Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|-----------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2390.00 | V | 28.37 | 19.07 | 34.09 | 62.46 | 53.16 | 74.00 | 54.00 | X/E |
| 2412.50 | V | 78.01 | 76.21 | 34.16 | 112.17 | 110.37 | | | X/F |
| 4824.14 | V | 39.54 | 30.99 | 6.43 | 45.97 | 37.42 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH01 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX B MODE 2412MHz | | |

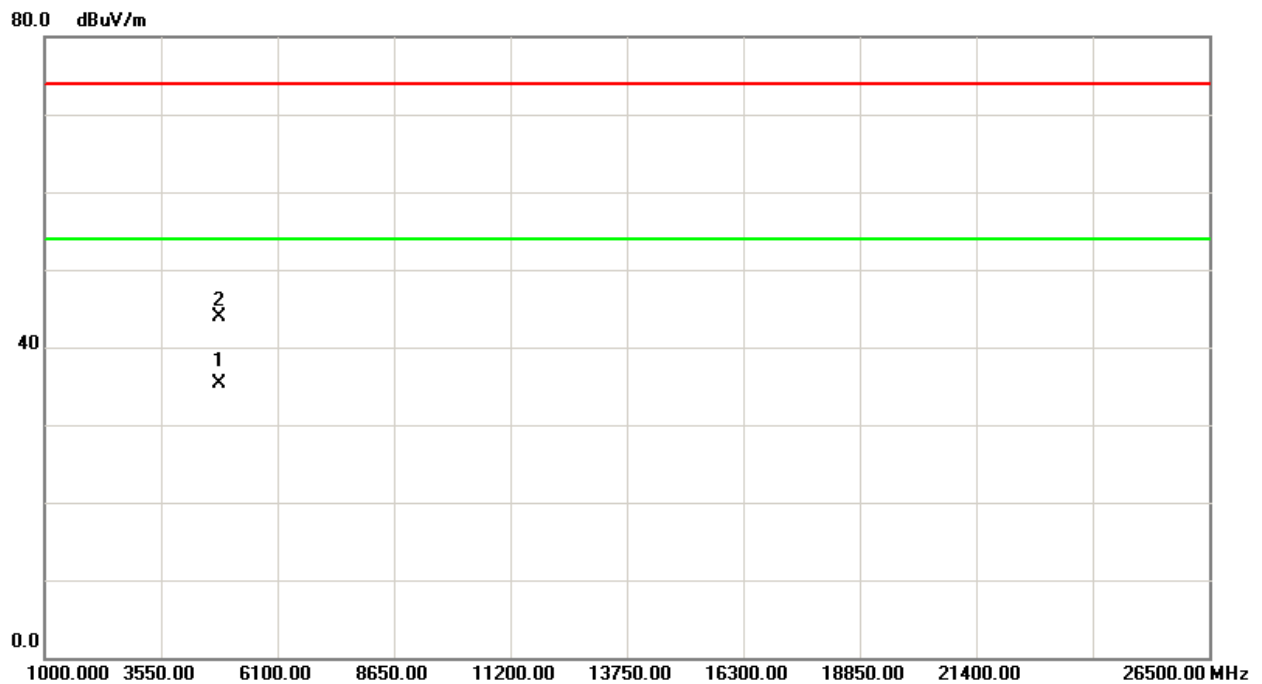
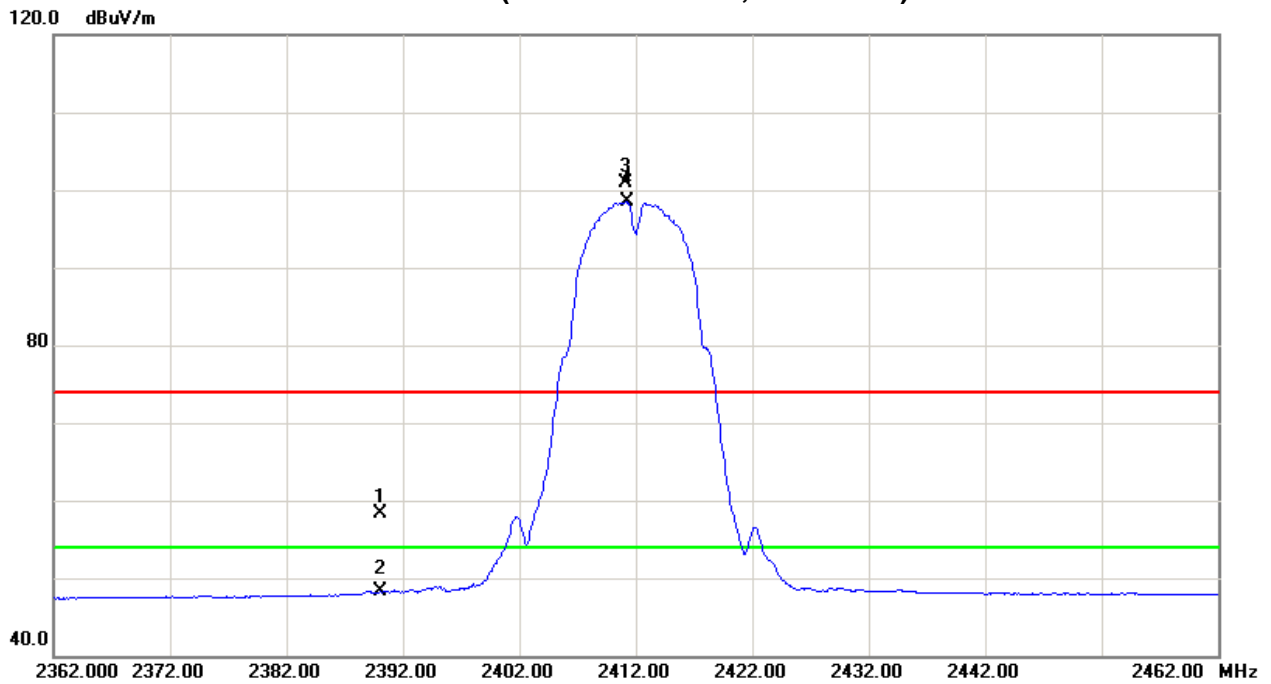
| Freq. (MHz) | Ant. Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|------------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2390.00 | H | 24.18 | 14.12 | 34.09 | 58.27 | 48.21 | 74.00 | 54.00 | X/E |
| 2411.10 | H | 66.82 | 64.41 | 34.16 | 100.98 | 98.57 | | | X/F |
| 4824.25 | H | 37.39 | 28.92 | 6.43 | 43.82 | 35.35 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH01 (Above 1000 MHz, Horizontal)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX B MODE 2437MHz | | |

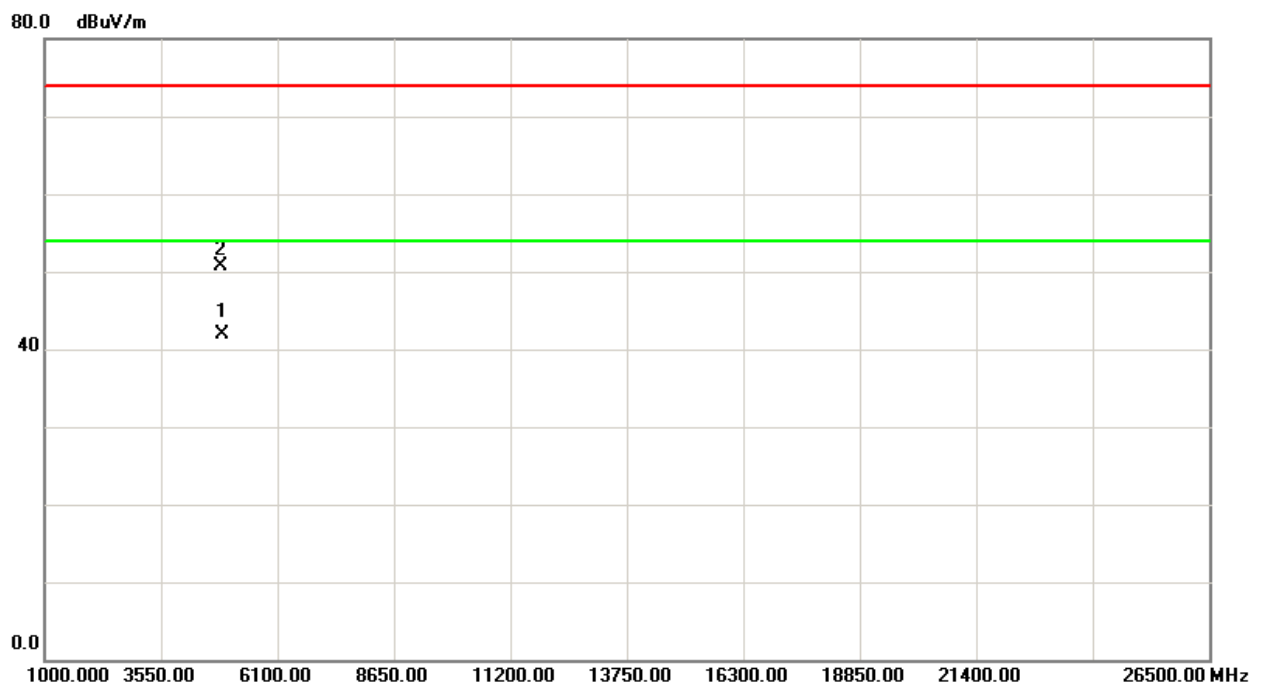
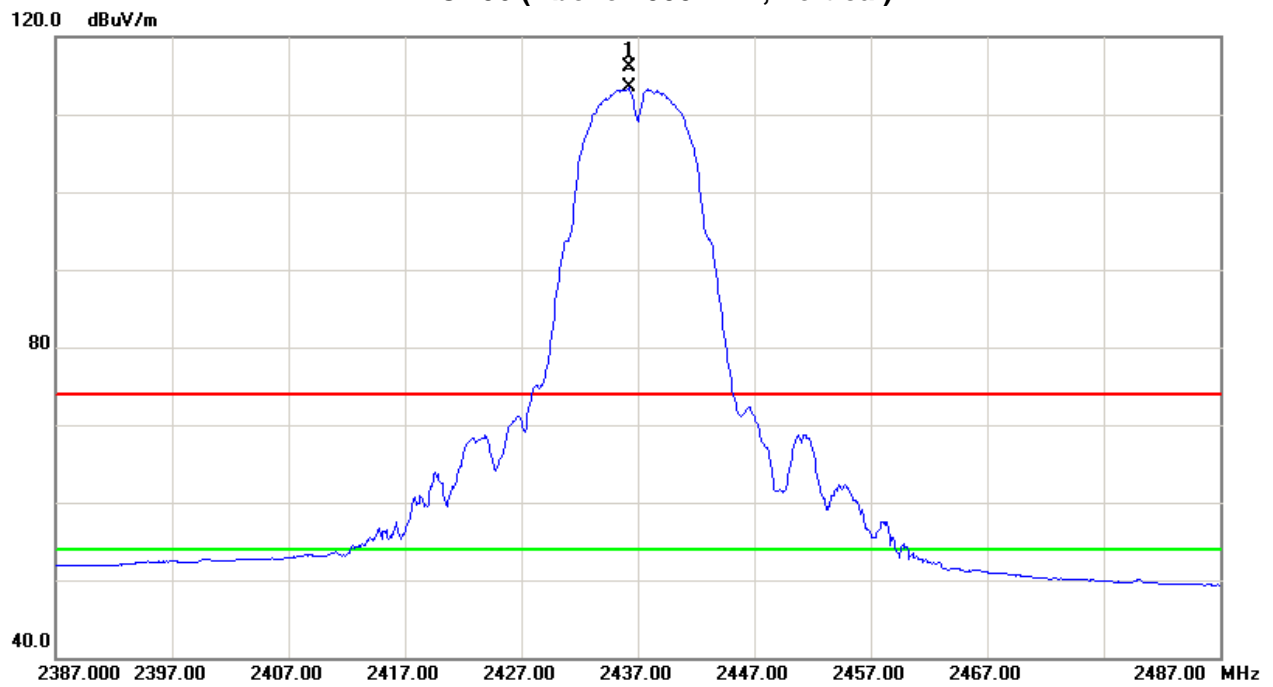
| Freq. | Ant. Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|-----------|--------------|--------------|--------------|---------------|---------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2436.20 | V | 81.80 | 79.18 | 34.23 | 116.03 | 113.41 | | | X/F |
| 4874.22 | V | 44.13 | 35.27 | 6.58 | 50.71 | 41.85 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH06 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX B MODE 2437MHz | | |

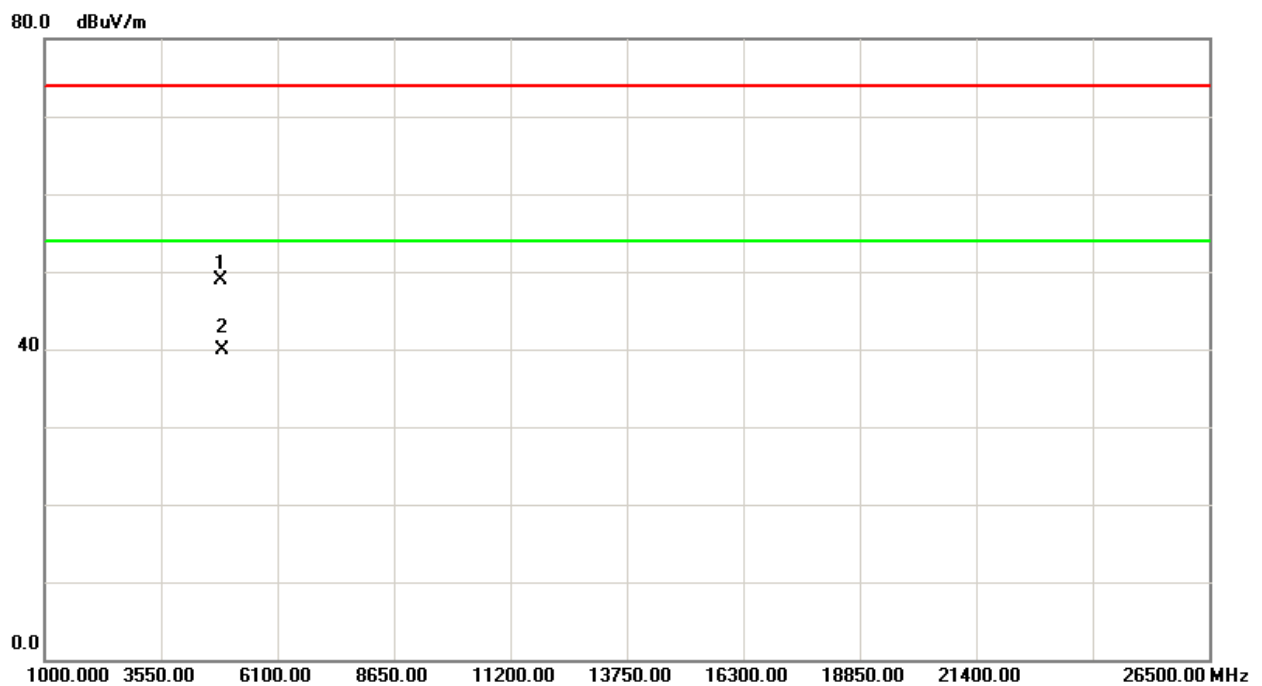
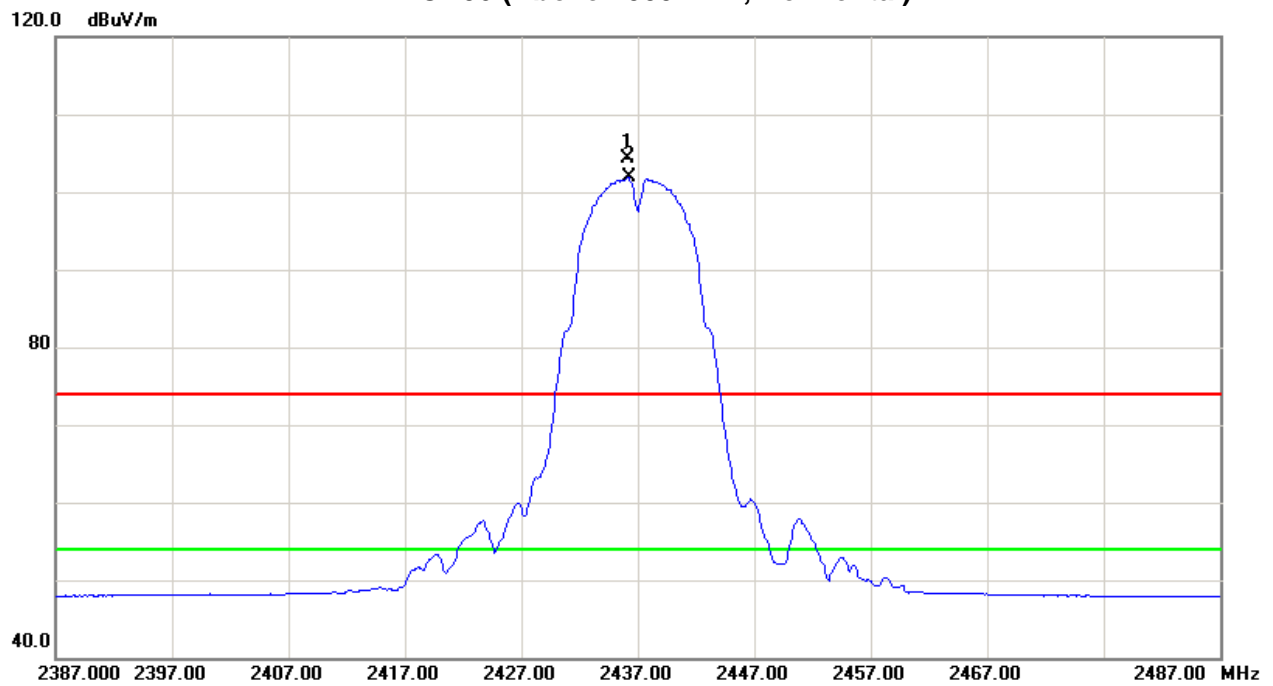
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|---------------|---------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2436.10 | H | 70.17 | 67.68 | 34.23 | 104.40 | 101.91 | | | X/F |
| 4874.16 | H | 42.39 | 33.26 | 6.58 | 48.97 | 39.84 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH06 (Above 1000 MHz, Horizontal)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX B MODE 2462MHz | | |

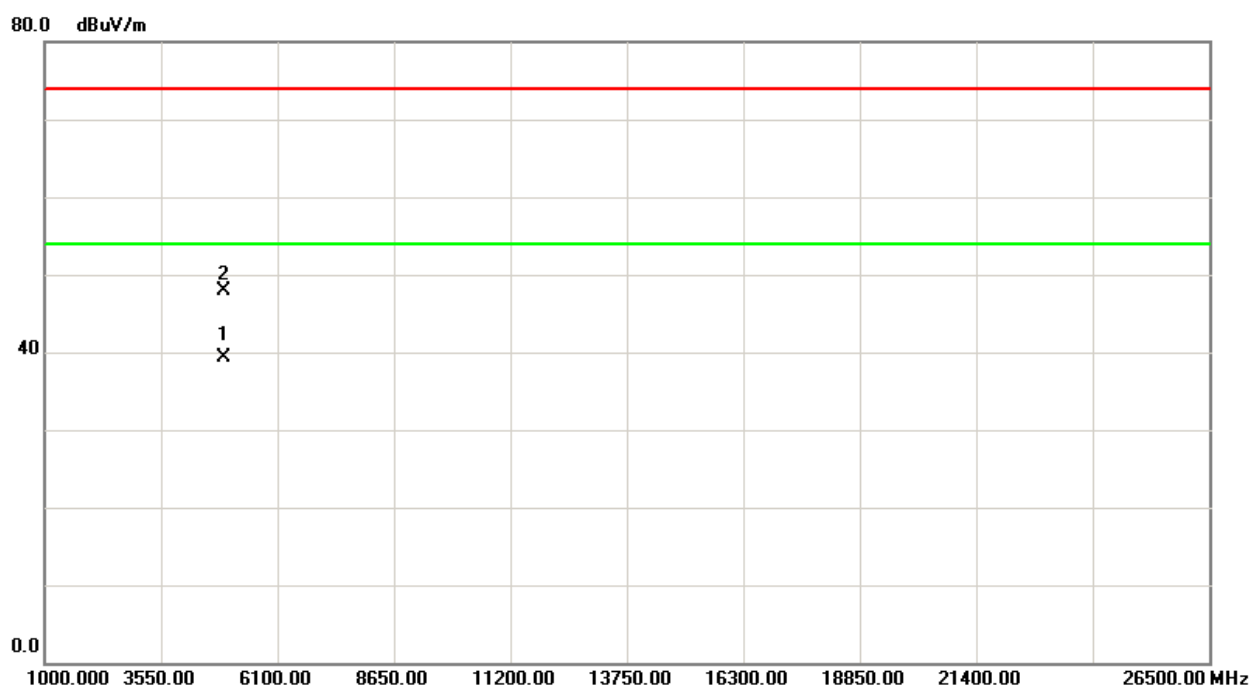
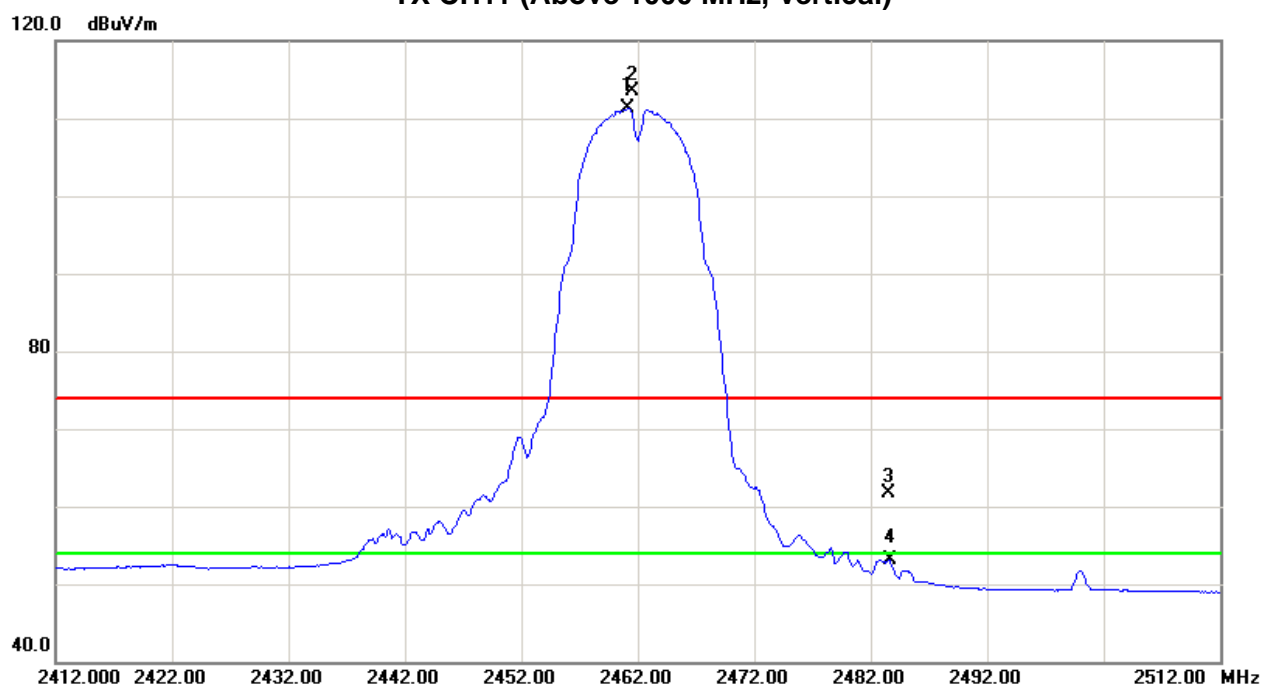
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|---------------|---------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2461.50 | V | 79.29 | 77.06 | 34.31 | 113.60 | 111.37 | | | X/F |
| 2483.50 | V | 27.34 | 18.72 | 34.37 | 61.71 | 53.09 | 74.00 | 54.00 | X/E |
| 4924.16 | V | 41.18 | 32.59 | 6.72 | 47.90 | 39.31 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH11 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX B MODE 2462MHz | | |

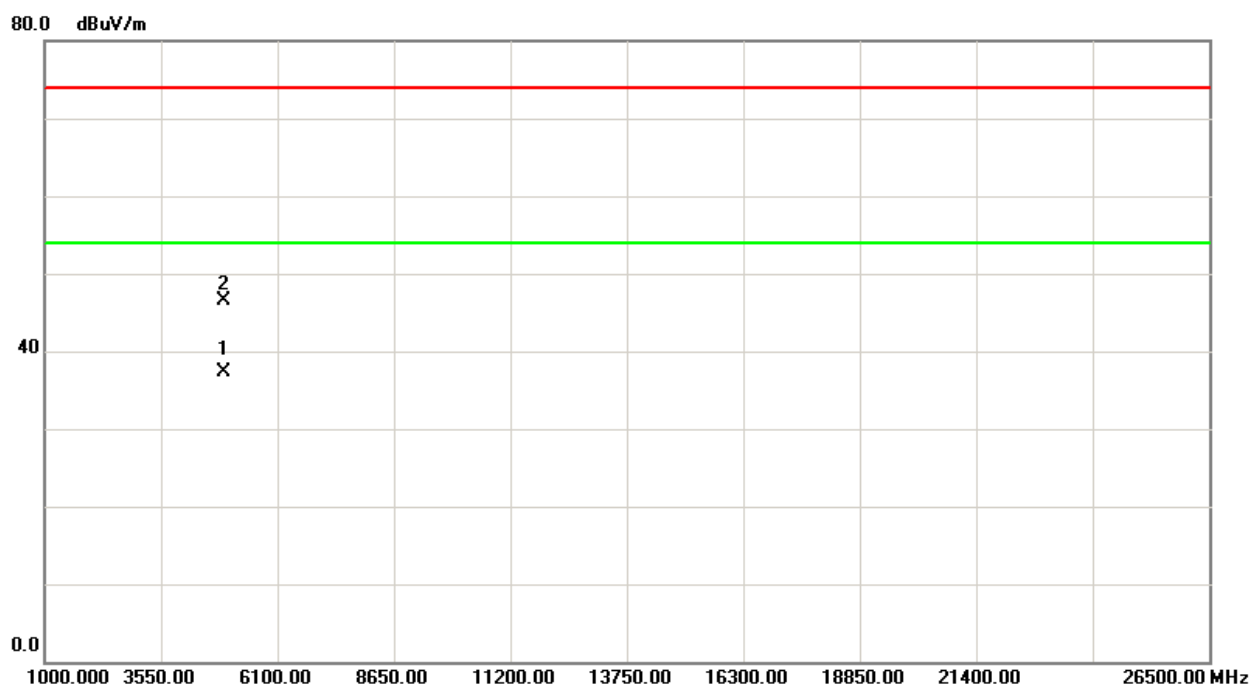
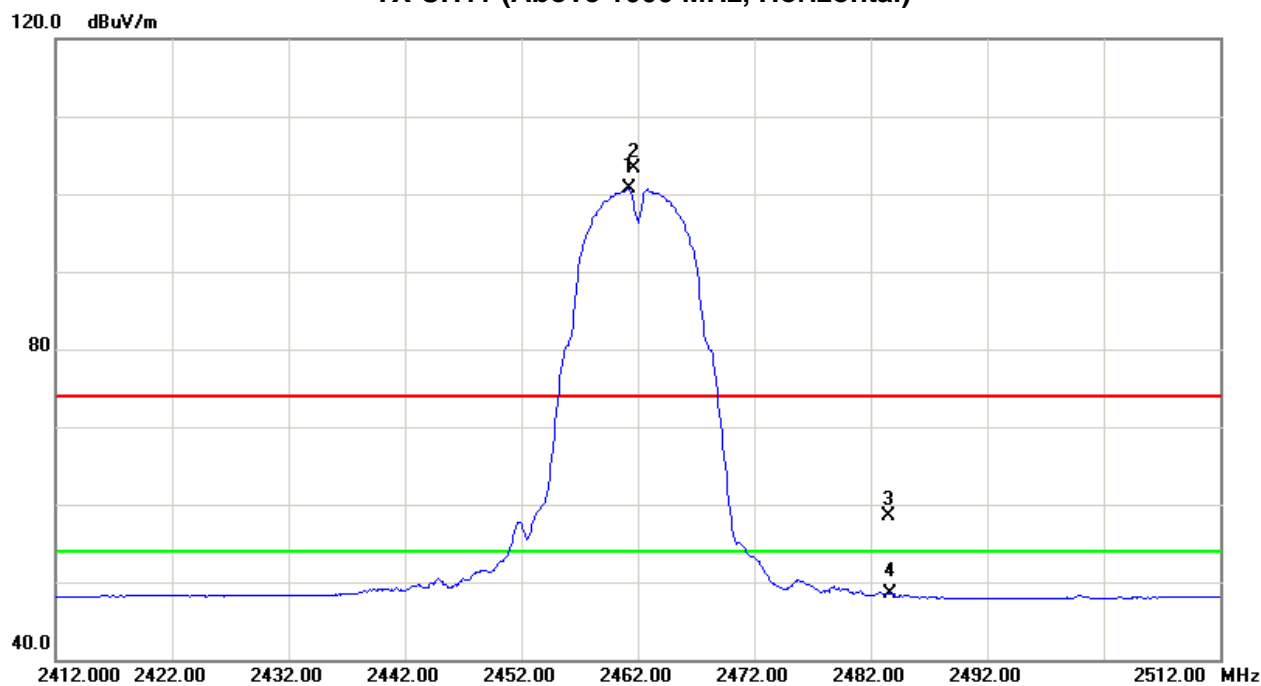
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|---------------|---------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2461.60 | H | 68.95 | 66.43 | 34.31 | 103.26 | 100.74 | | | X/F |
| 2483.50 | H | 24.09 | 14.19 | 34.37 | 58.46 | 48.56 | 74.00 | 54.00 | X/E |
| 4924.18 | H | 39.85 | 30.58 | 6.72 | 46.57 | 37.30 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH11 (Above 1000 MHz, Horizontal)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX G MODE 2412MHz | | |

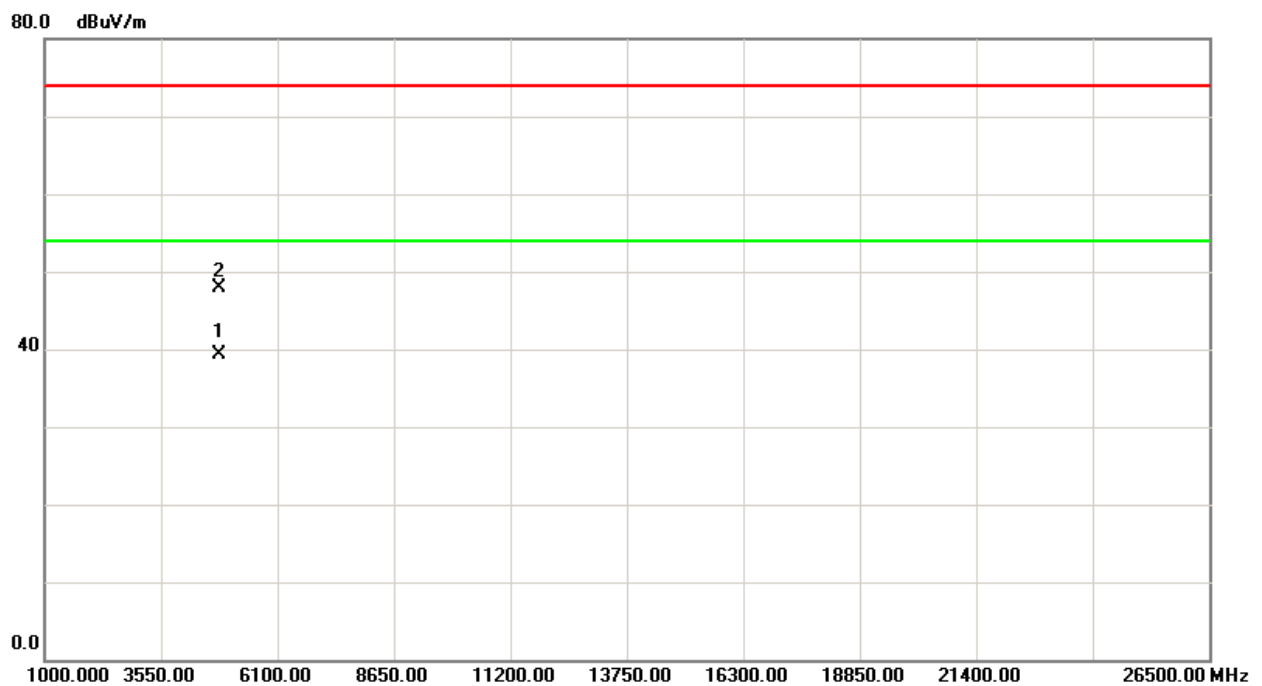
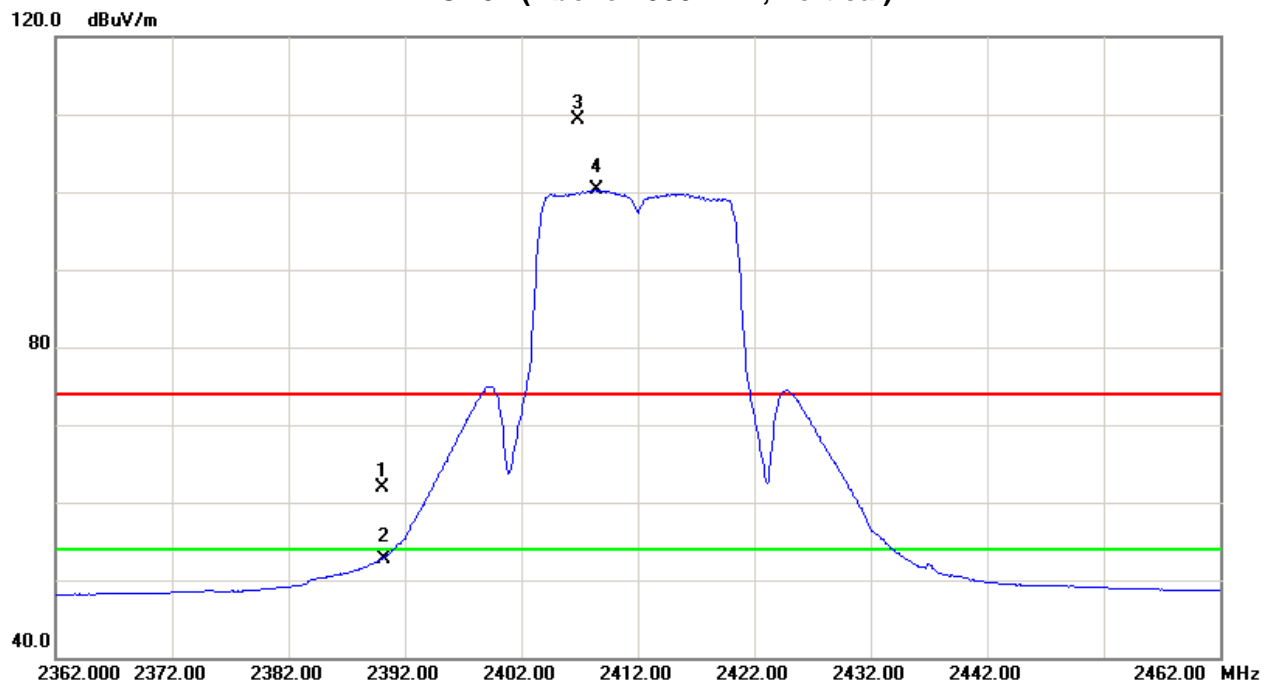
| Freq. | Ant. Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|-----------|--------------|--------------|--------------|---------------|---------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2390.00 | V | 27.90 | 18.67 | 34.09 | 61.99 | 52.76 | 74.00 | 54.00 | X/E |
| 2406.80 | V | 75.14 | 66.07 | 34.14 | 109.28 | 100.21 | | | X/F |
| 4824.18 | V | 41.52 | 32.95 | 6.43 | 47.95 | 39.38 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH01 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX G MODE 2412MHz | | |

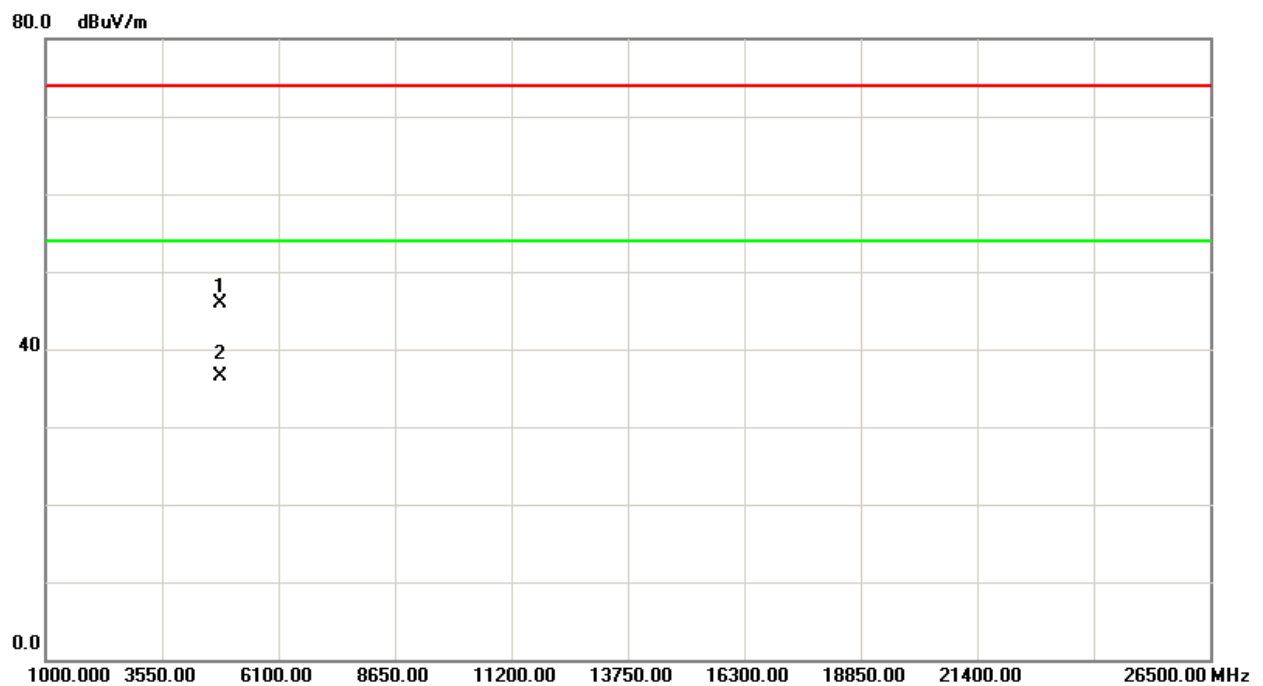
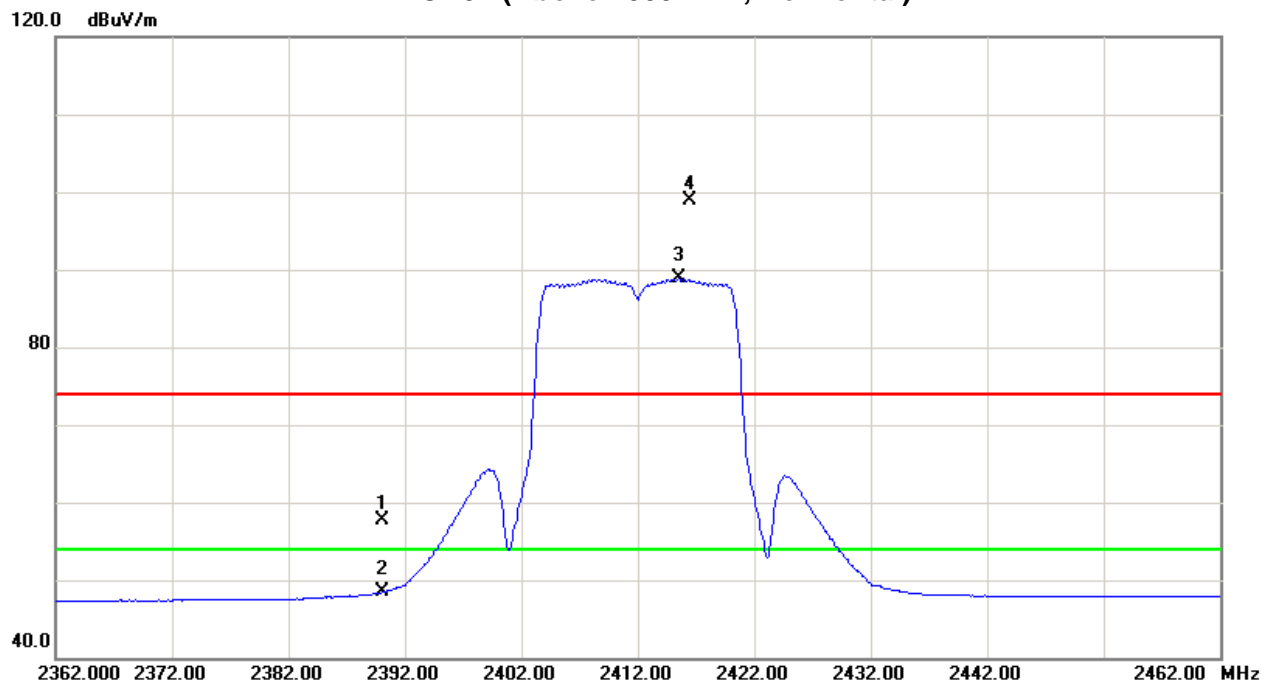
| Freq. (MHz) | Ant. Pol. H/V | Reading | | Ant./CF CF(dB) | Act. | | Limit | | Note |
|----------------|------------------|----------------|--------------|-------------------|------------------|----------------|------------------|----------------|------------|
| | | Peak (dBuV) | AV (dBuV) | | Peak (dBuV/m) | AV (dBuV/m) | Peak (dBuV/m) | AV (dBuV/m) | |
| 2390.00 | H | 23.61 | 14.37 | 34.09 | 57.70 | 48.46 | 74.00 | 54.00 | X/E |
| 2416.50 | H | 64.71 | 54.68 | 34.17 | 98.88 | 88.85 | | | X/F |
| 4824.05 | H | 39.42 | 30.16 | 6.43 | 45.85 | 36.59 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH01 (Above 1000 MHz, Horizontal)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX G MODE 2437MHz | | |

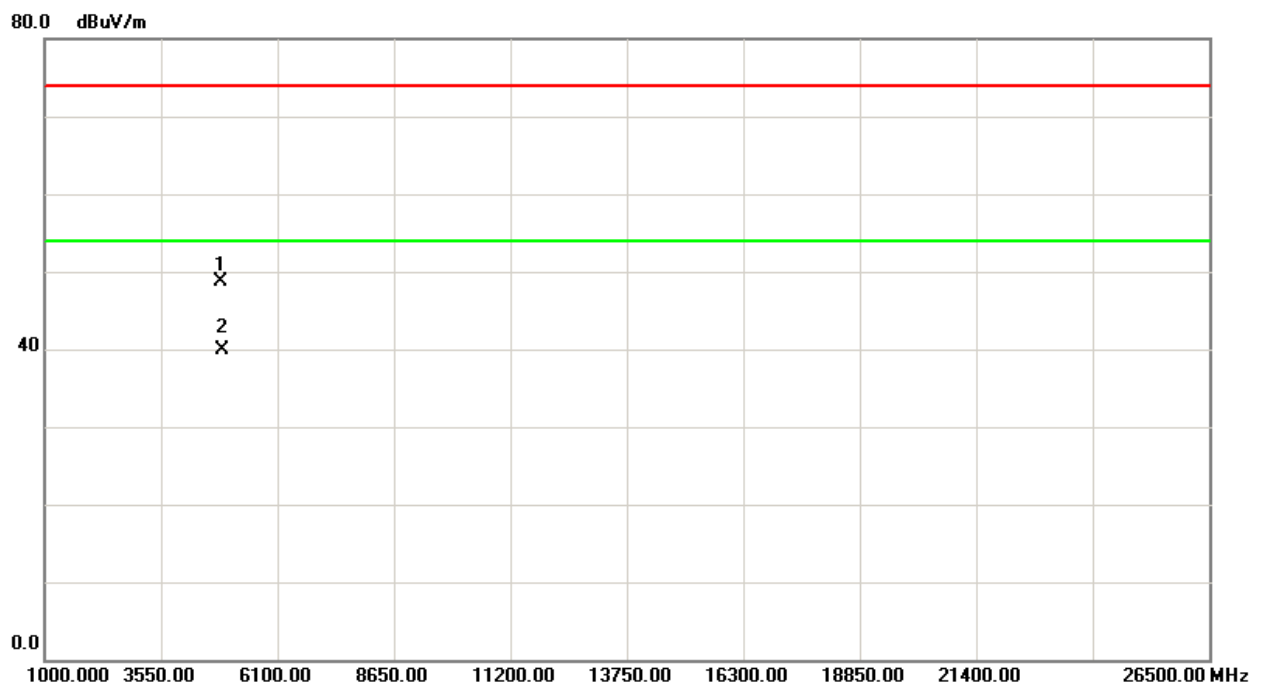
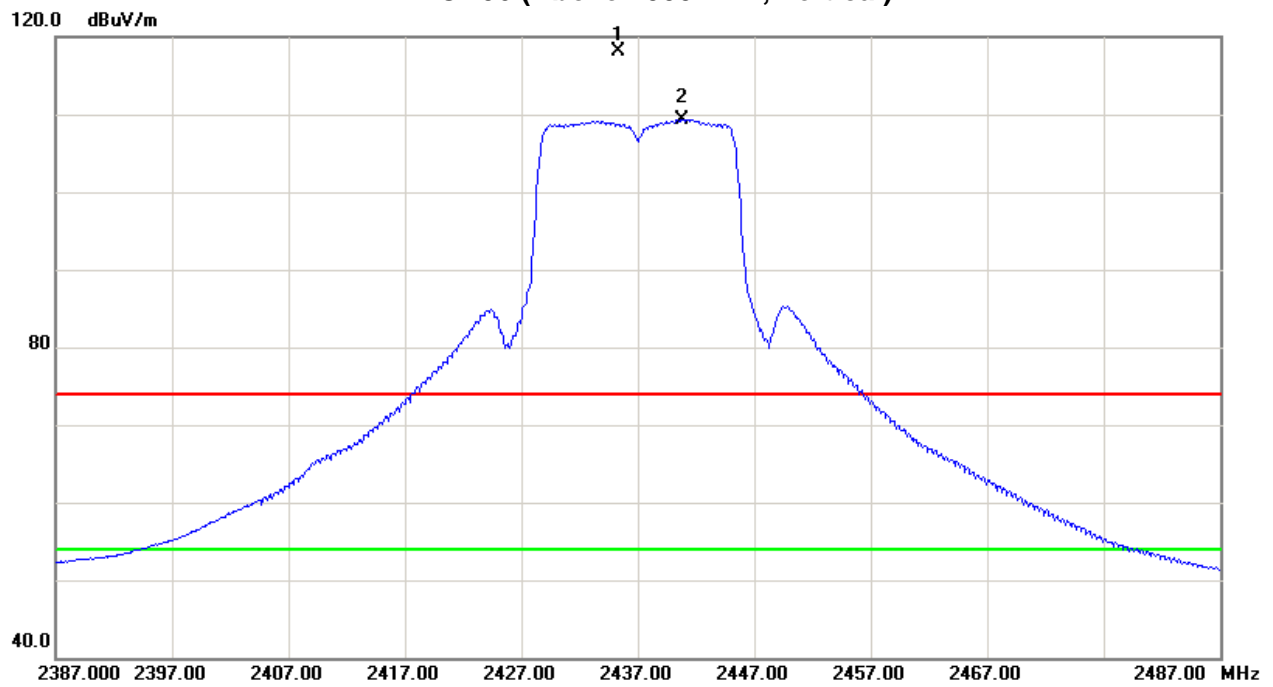
| Freq. | Ant. Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|-----------|--------------|--------------|--------------|---------------|---------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2435.30 | V | 83.83 | 75.06 | 34.23 | 118.06 | 109.29 | | | X/F |
| 4874.25 | V | 42.16 | 33.28 | 6.58 | 48.74 | 39.86 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH06 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX G MODE 2437MHz | | |

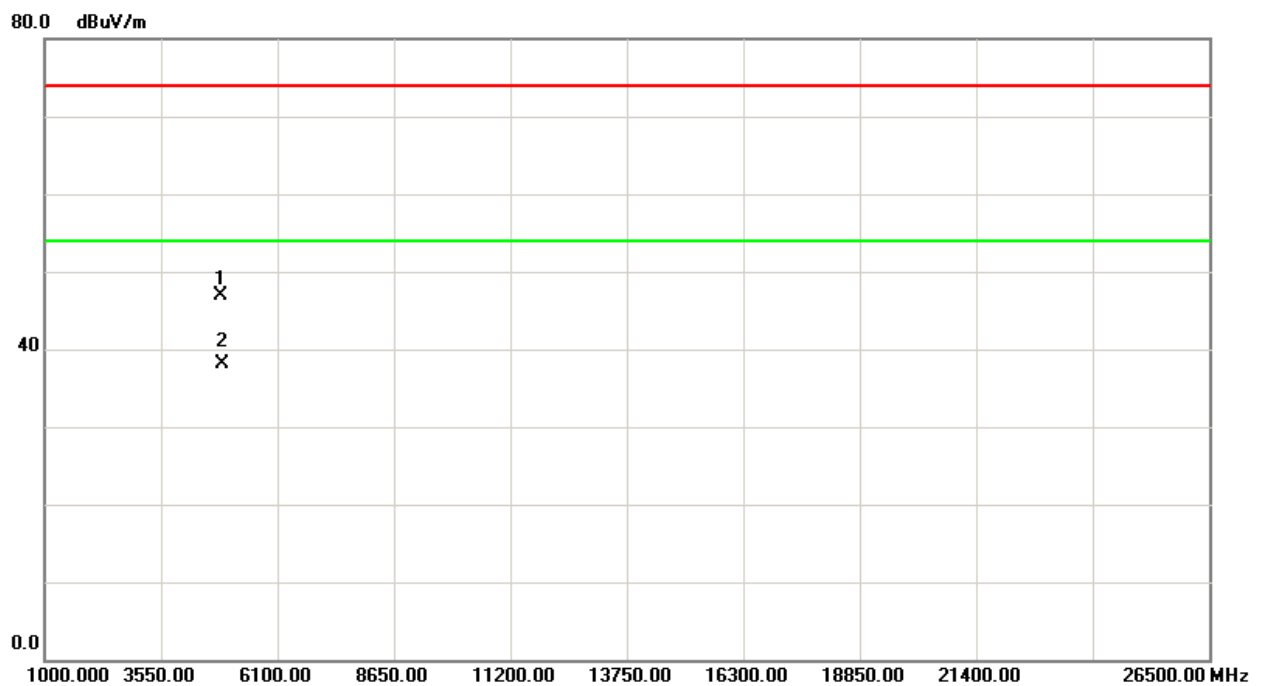
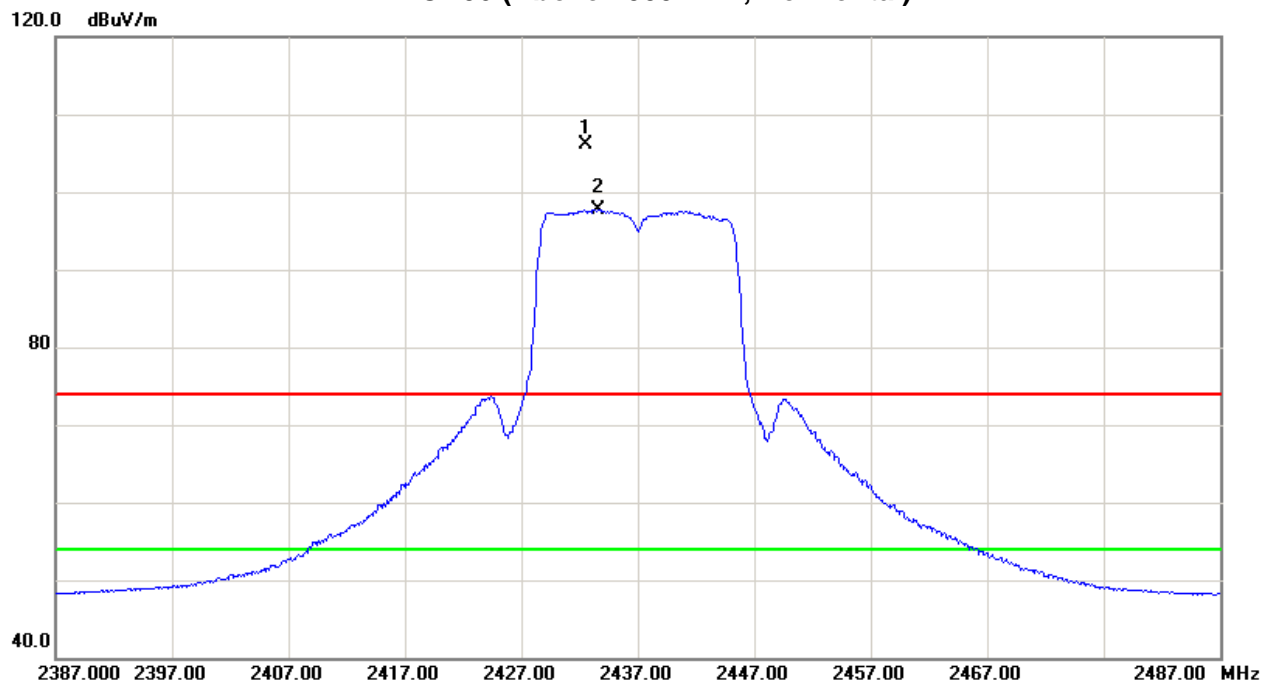
| Freq. | Ant. Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|-----------|--------------|--------------|--------------|---------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2432.50 | H | 71.97 | 63.50 | 34.22 | 106.19 | 97.72 | | | X/F |
| 4874.12 | H | 40.29 | 31.58 | 6.58 | 46.87 | 38.16 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH06 (Above 1000 MHz, Horizontal)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX G MODE 2462MHz | | |

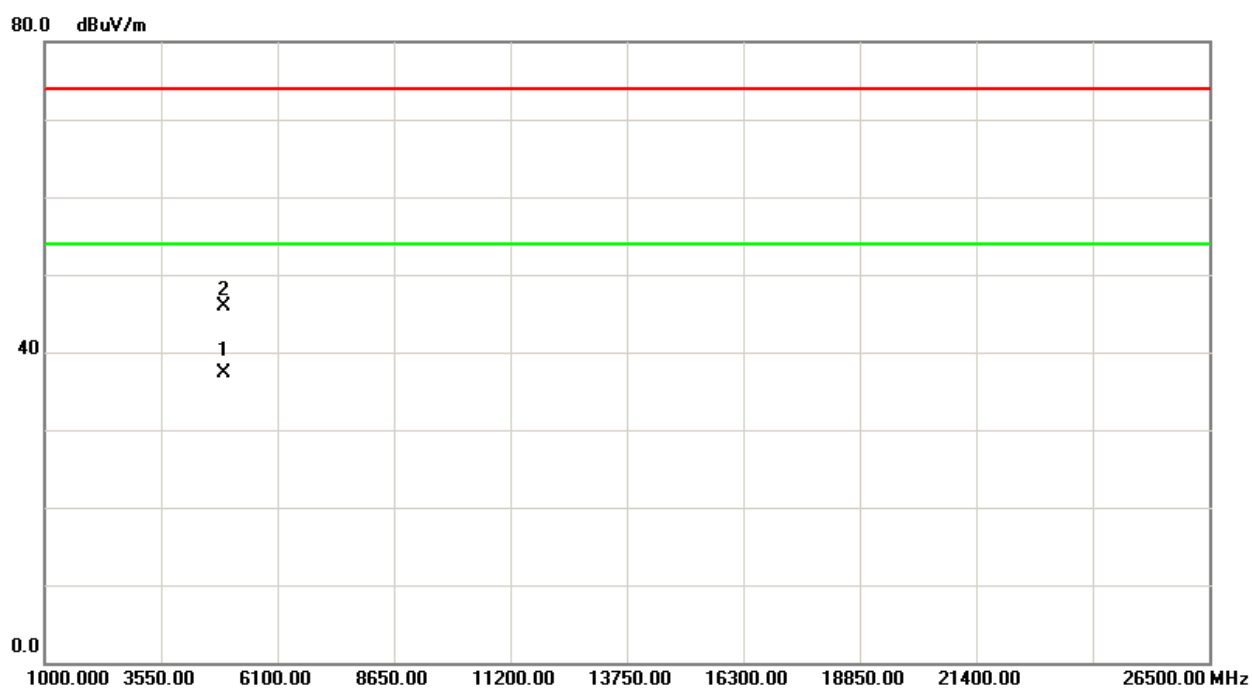
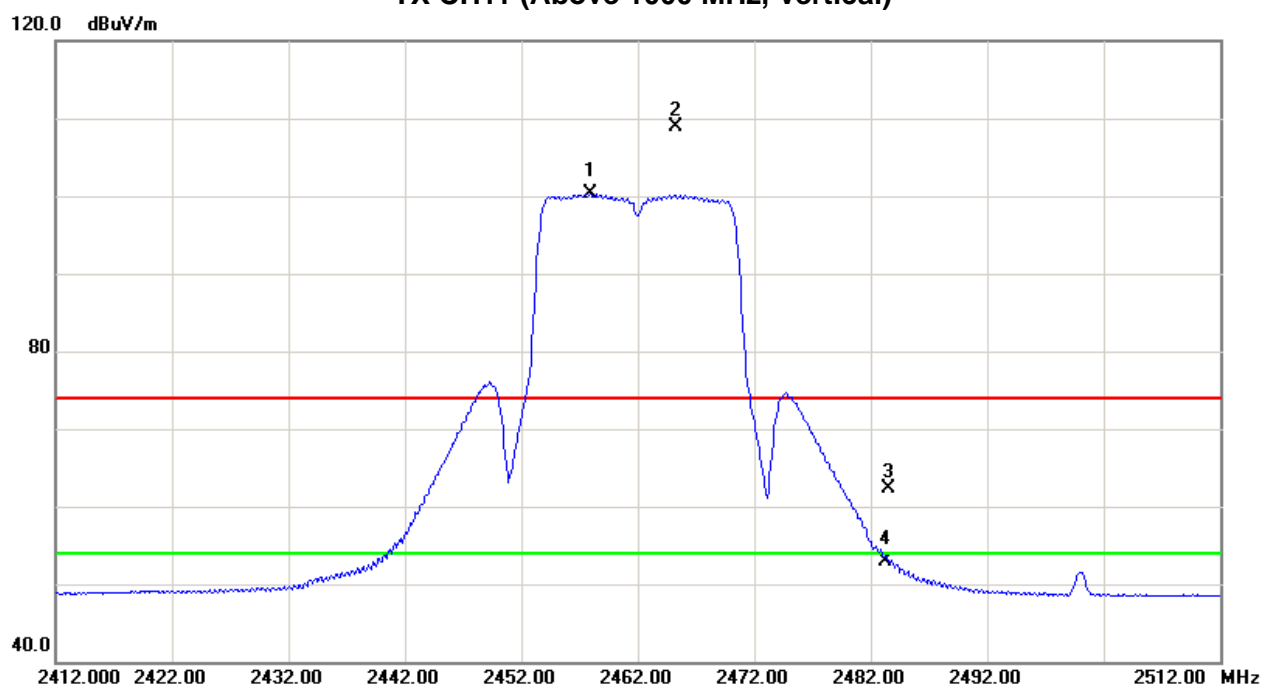
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|---------------|---------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2465.30 | V | 74.61 | 65.94 | 34.31 | 108.92 | 100.25 | | | X/F |
| 2483.50 | V | 27.93 | 18.63 | 34.37 | 62.30 | 53.00 | 74.00 | 54.00 | X/E |
| 4924.13 | V | 39.27 | 30.54 | 6.72 | 45.99 | 37.26 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH11 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX G MODE 2462MHz | | |

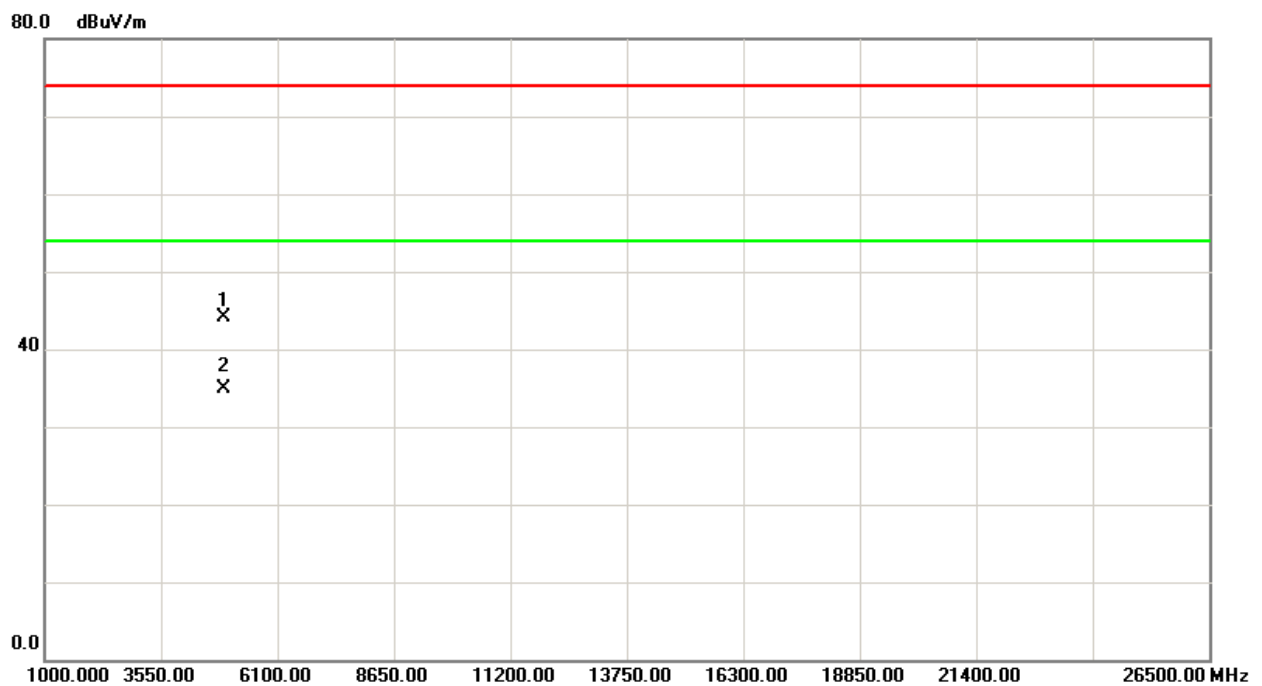
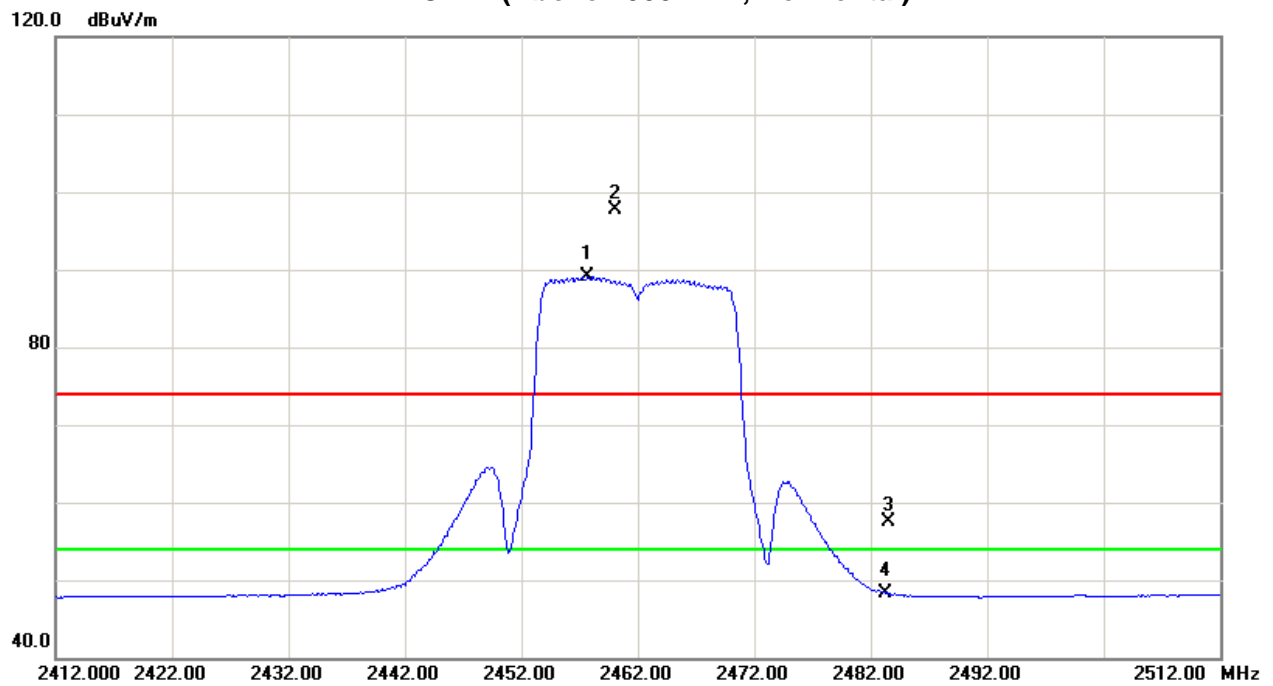
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|--------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2460.00 | H | 63.31 | 54.75 | 34.30 | 97.61 | 89.05 | | | X/F |
| 2483.50 | H | 23.06 | 13.90 | 34.37 | 57.43 | 48.27 | 74.00 | 54.00 | X/E |
| 4924.07 | H | 37.29 | 28.19 | 6.72 | 44.01 | 34.91 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH11 (Above 1000 MHz, Horizontal)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-20M MODE 2412MHz | | |

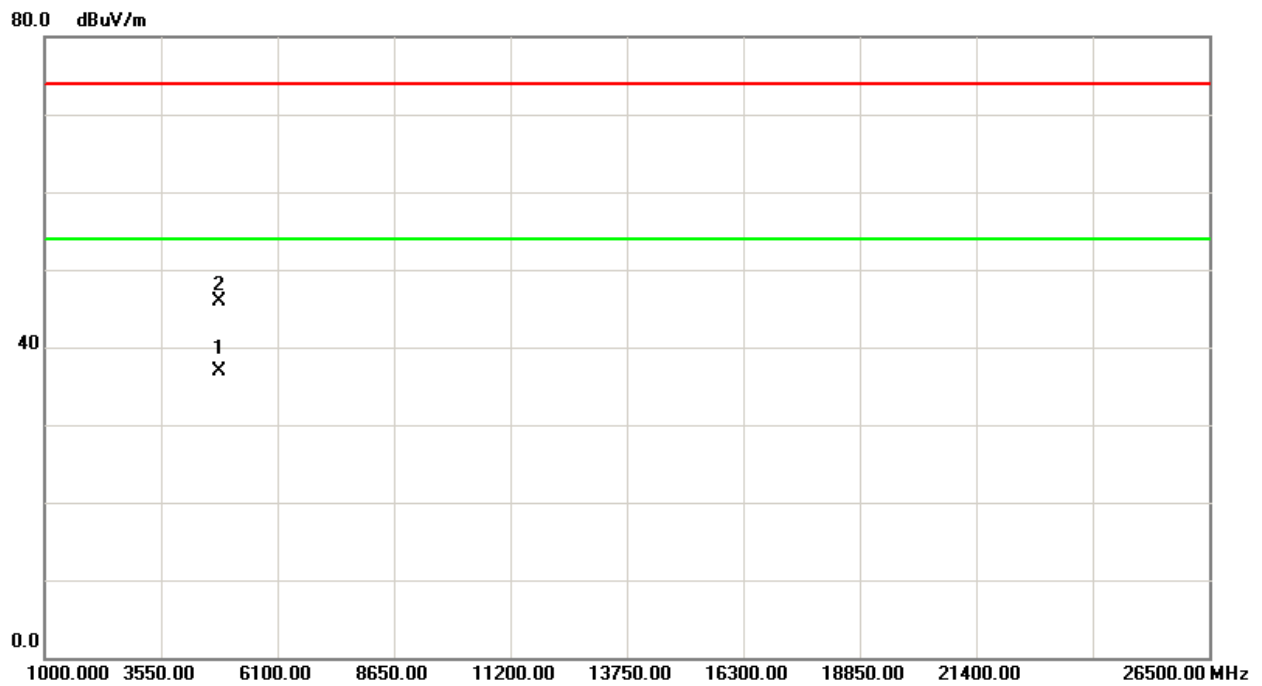
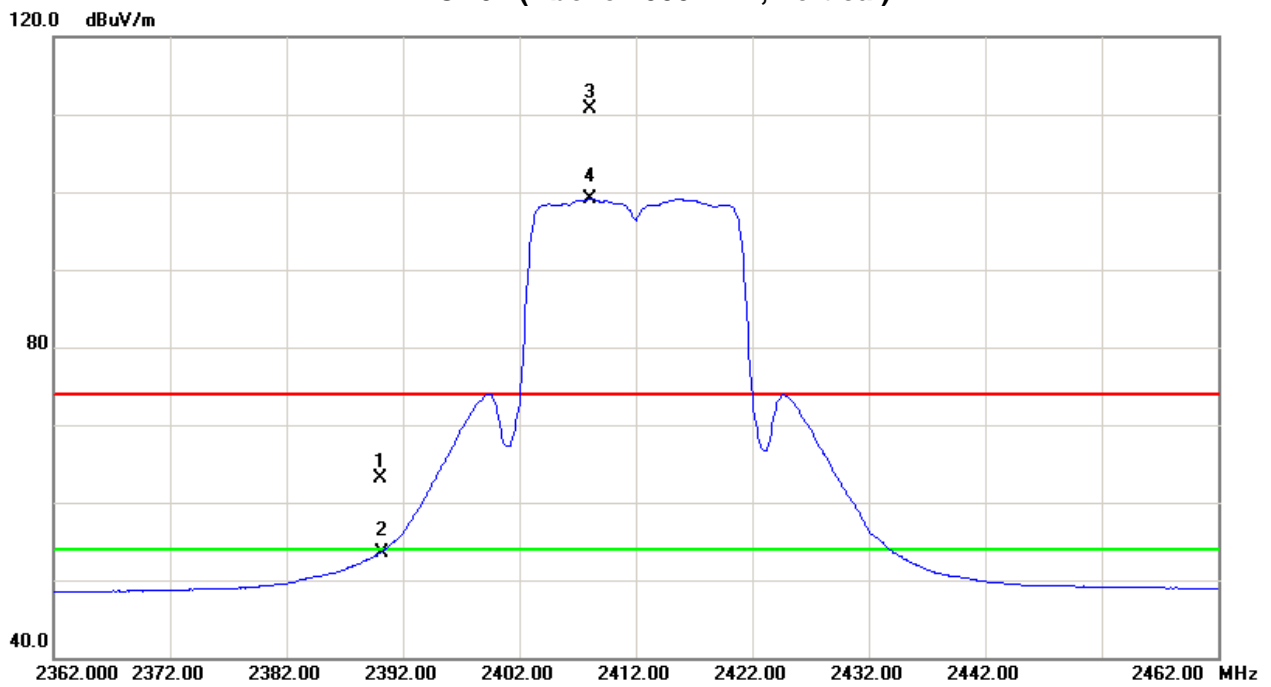
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|---------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2390.00 | V | 29.07 | 19.34 | 34.09 | 63.16 | 53.43 | 74.00 | 54.00 | X/E |
| 2408.10 | V | 76.56 | 64.95 | 34.14 | 110.70 | 99.09 | | | X/F |
| 4824.15 | V | 39.56 | 30.48 | 6.43 | 45.99 | 36.91 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH01 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-20M MODE 2412MHz | | |

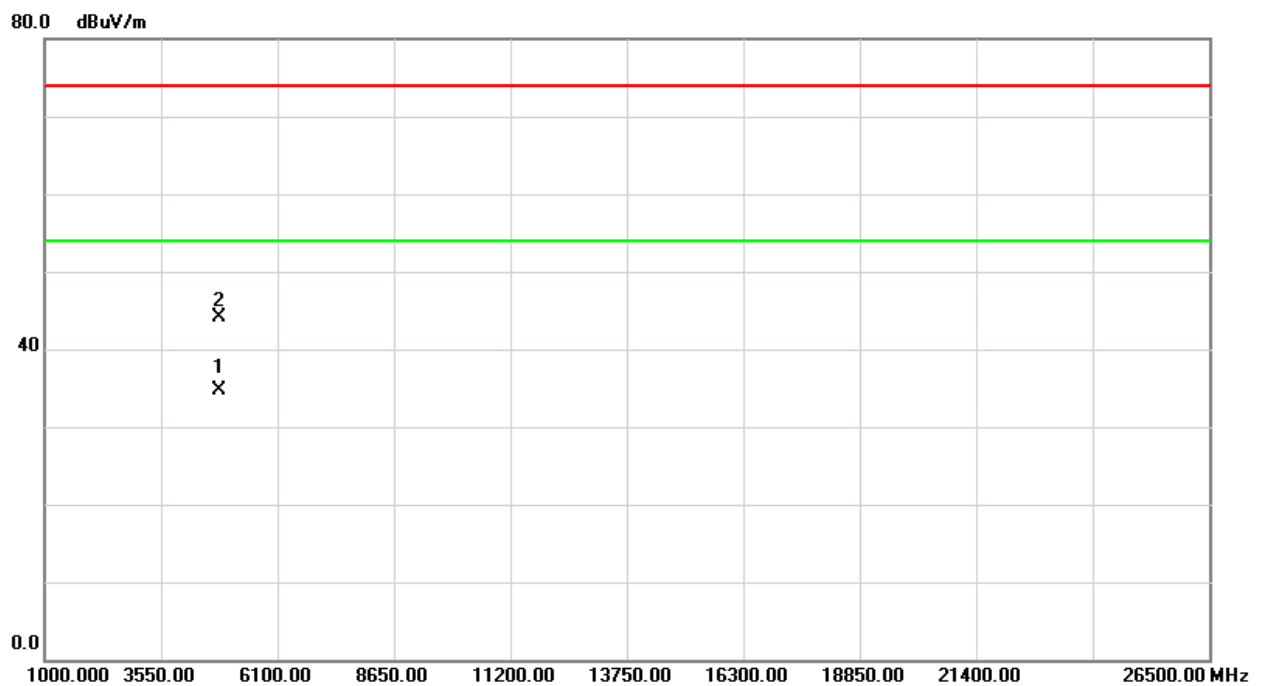
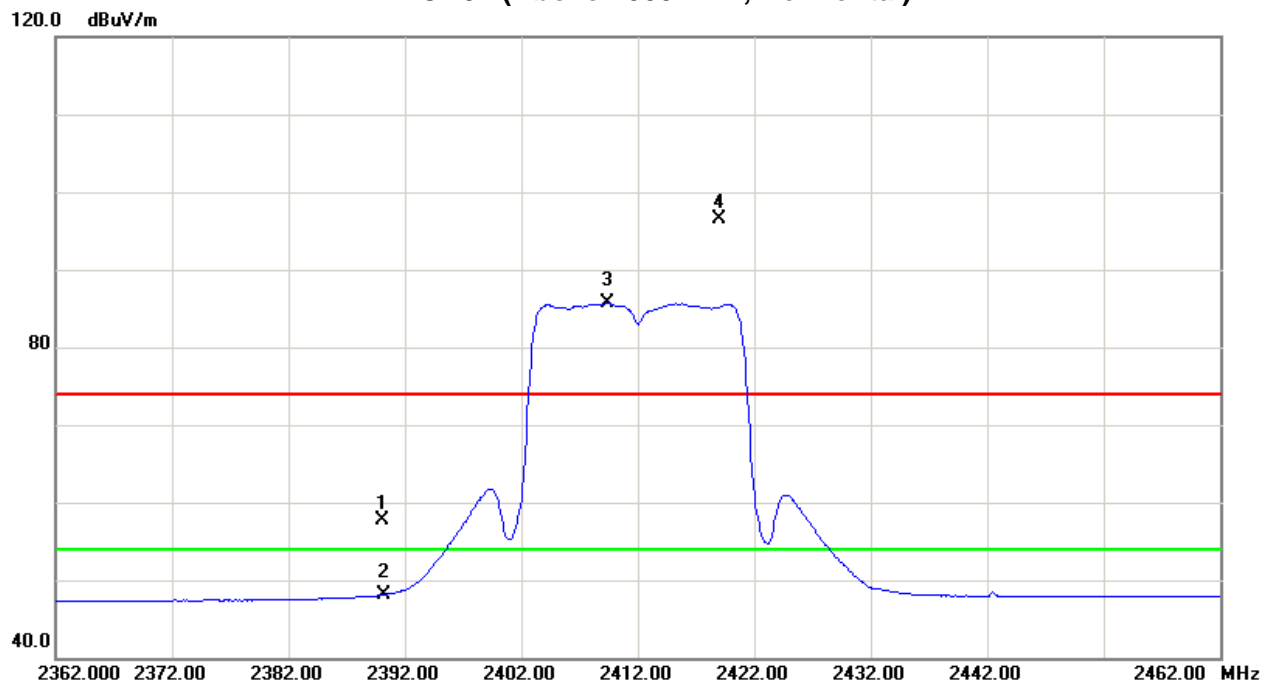
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|--------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2390.00 | H | 23.66 | 13.97 | 34.09 | 57.75 | 48.06 | 74.00 | 54.00 | X/E |
| 2419.00 | H | 62.33 | 51.56 | 34.18 | 96.51 | 85.74 | | | X/F |
| 4824.07 | H | 37.58 | 28.19 | 6.43 | 44.01 | 34.62 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH01 (Above 1000 MHz, Horizontal)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-20M MODE 2437MHz | | |

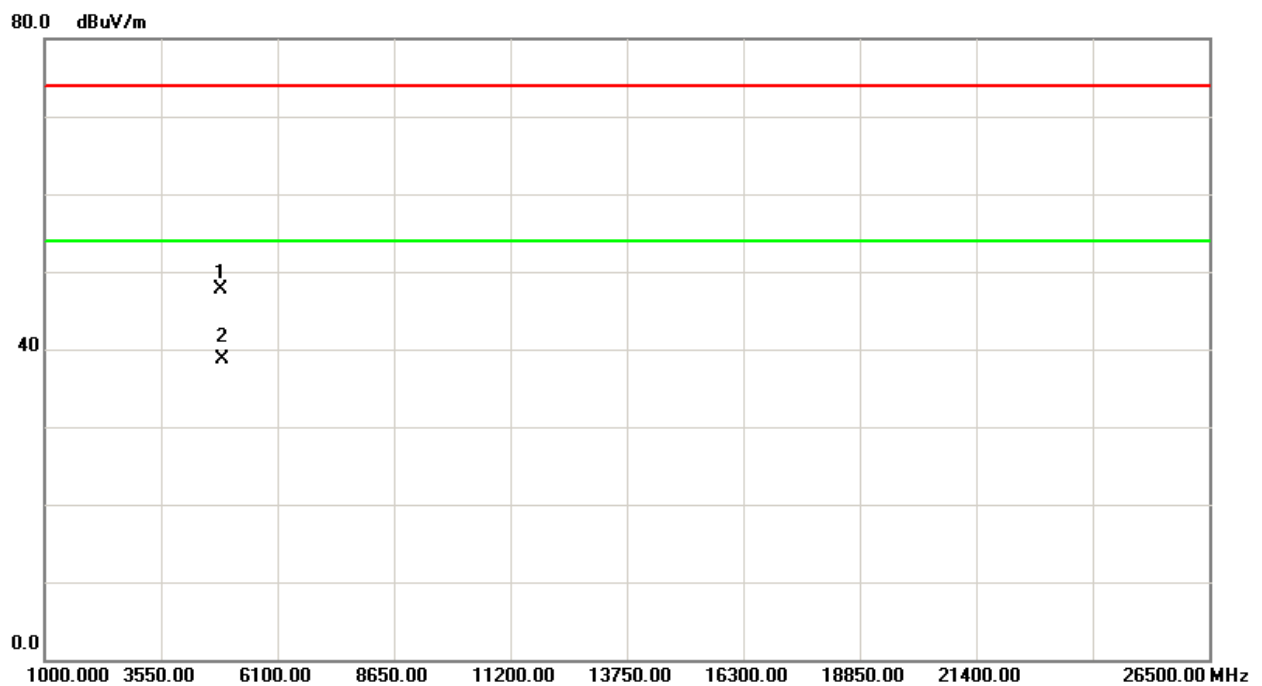
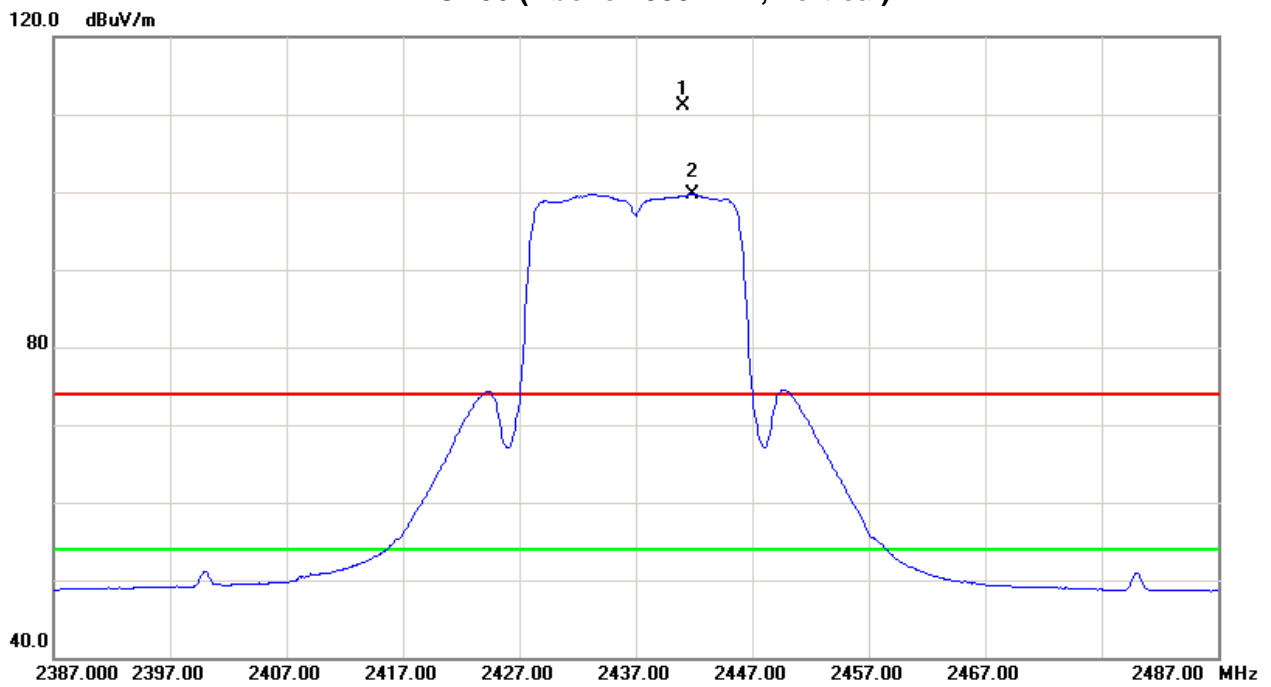
| Freq. | Ant. Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|-----------|--------------|--------------|--------------|---------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2441.00 | V | 76.79 | 65.45 | 34.25 | 111.04 | 99.70 | | | X/F |
| 4873.98 | V | 41.09 | 32.19 | 6.58 | 47.67 | 38.77 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH06 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-20M MODE 2437MHz | | |

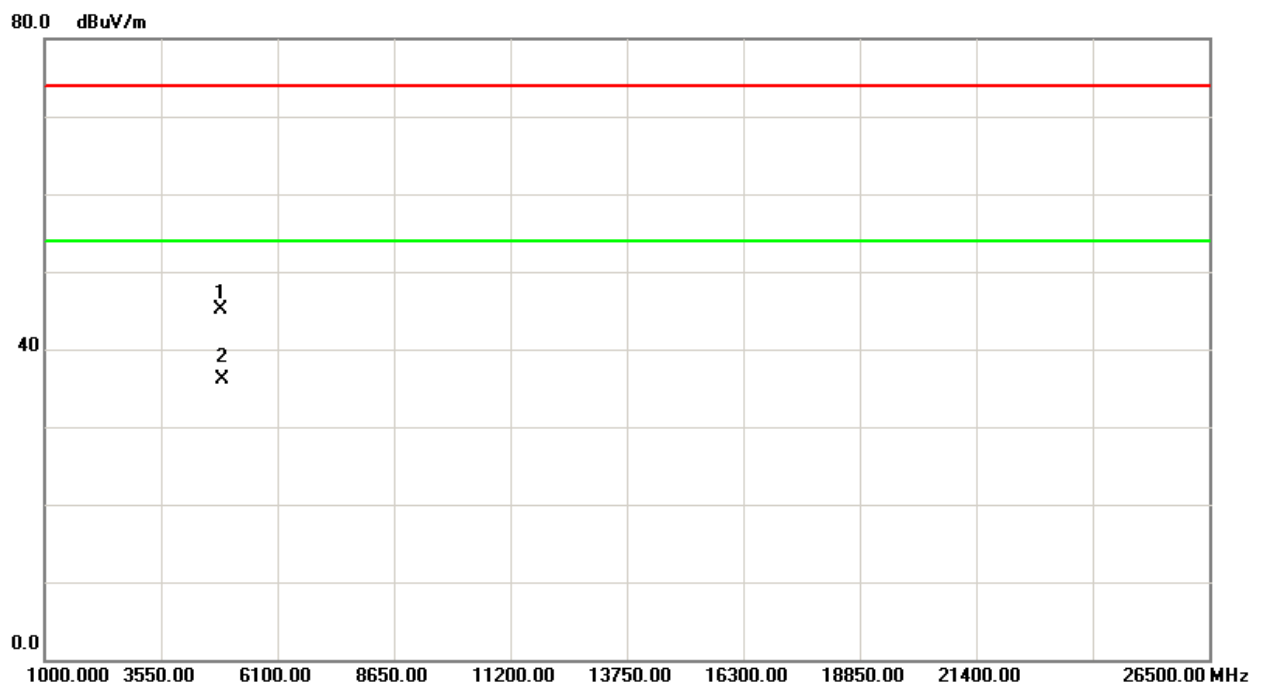
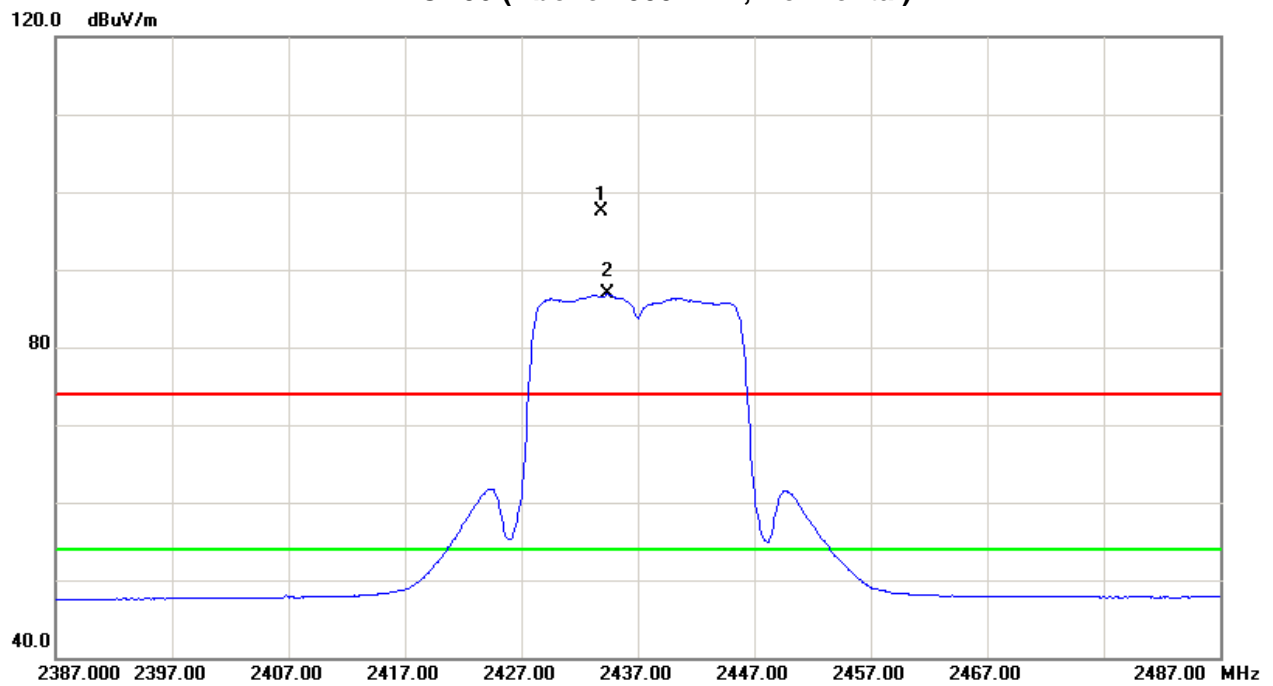
| Freq. | Ant. Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|-----------|--------------|--------------|--------------|--------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2433.90 | H | 63.22 | 52.58 | 34.22 | 97.44 | 86.80 | | | X/F |
| 4874.15 | H | 38.52 | 29.50 | 6.58 | 45.10 | 36.08 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH06 (Above 1000 MHz, Horizontal)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-20M MODE 2462MHz | | |

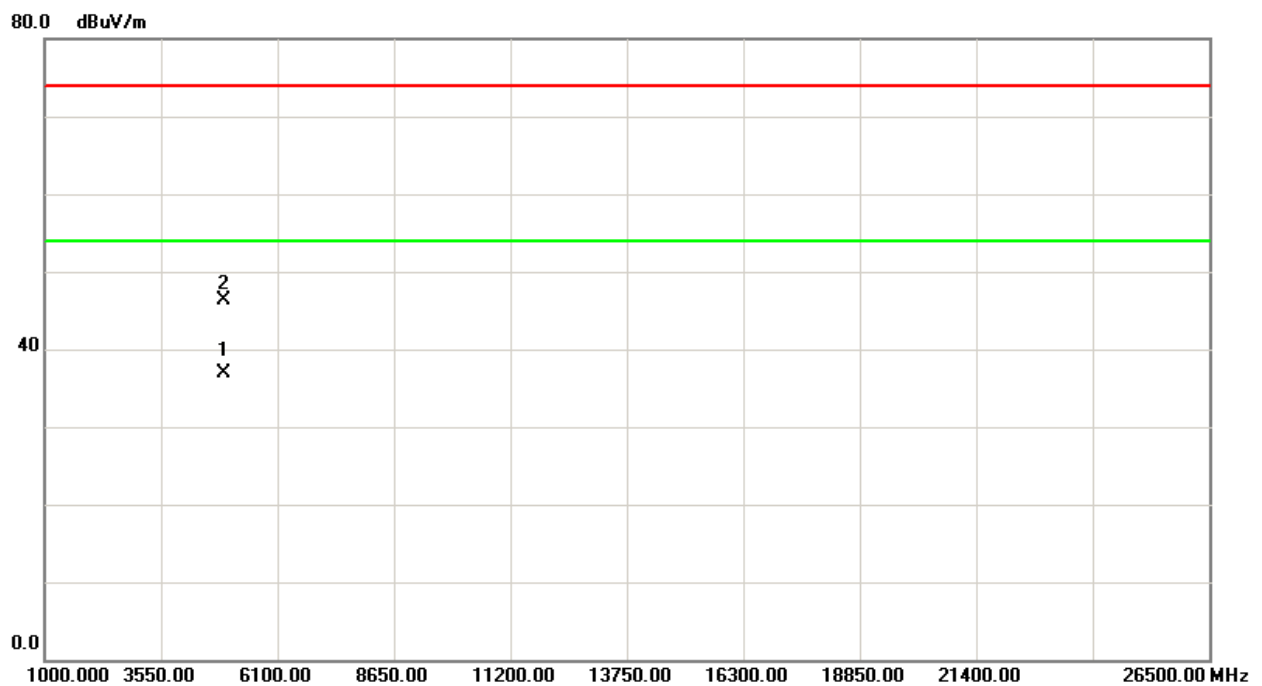
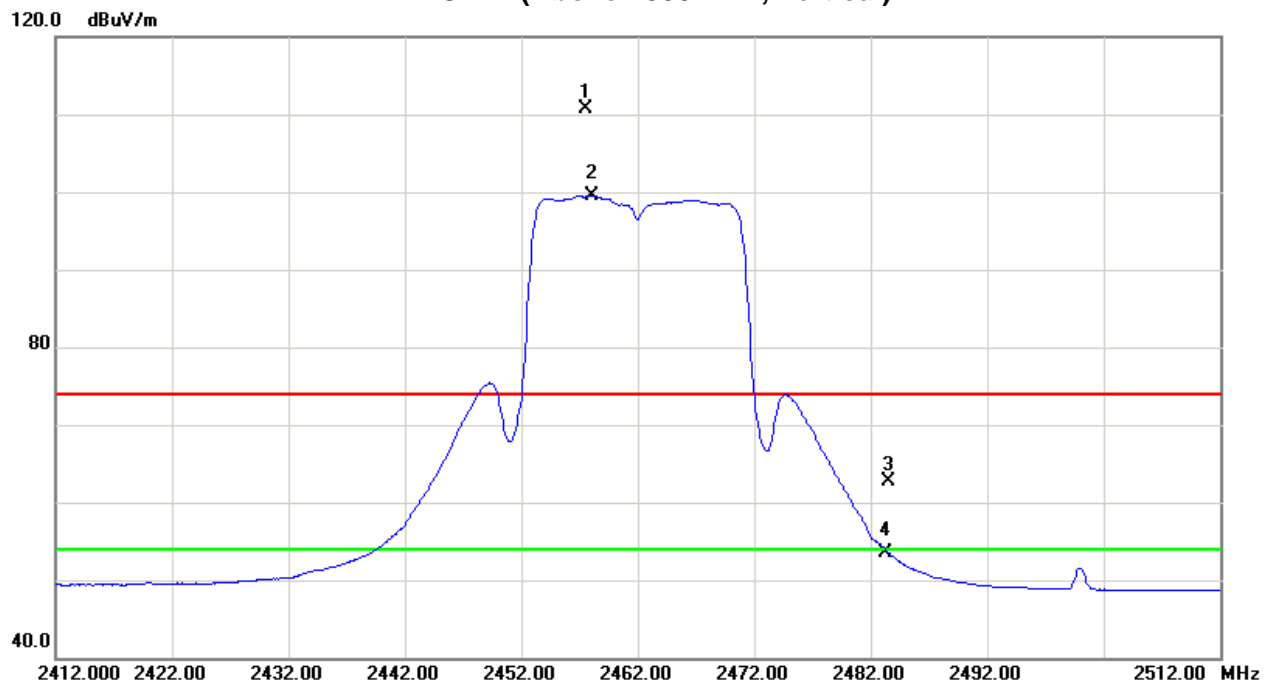
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|---------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2457.50 | V | 76.48 | 65.27 | 34.29 | 110.77 | 99.56 | | | X/F |
| 2483.50 | V | 28.43 | 19.20 | 34.37 | 62.80 | 53.57 | 74.00 | 54.00 | X/E |
| 4924.06 | V | 39.52 | 30.18 | 6.72 | 46.24 | 36.90 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH11 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-20M MODE 2462MHz | | |

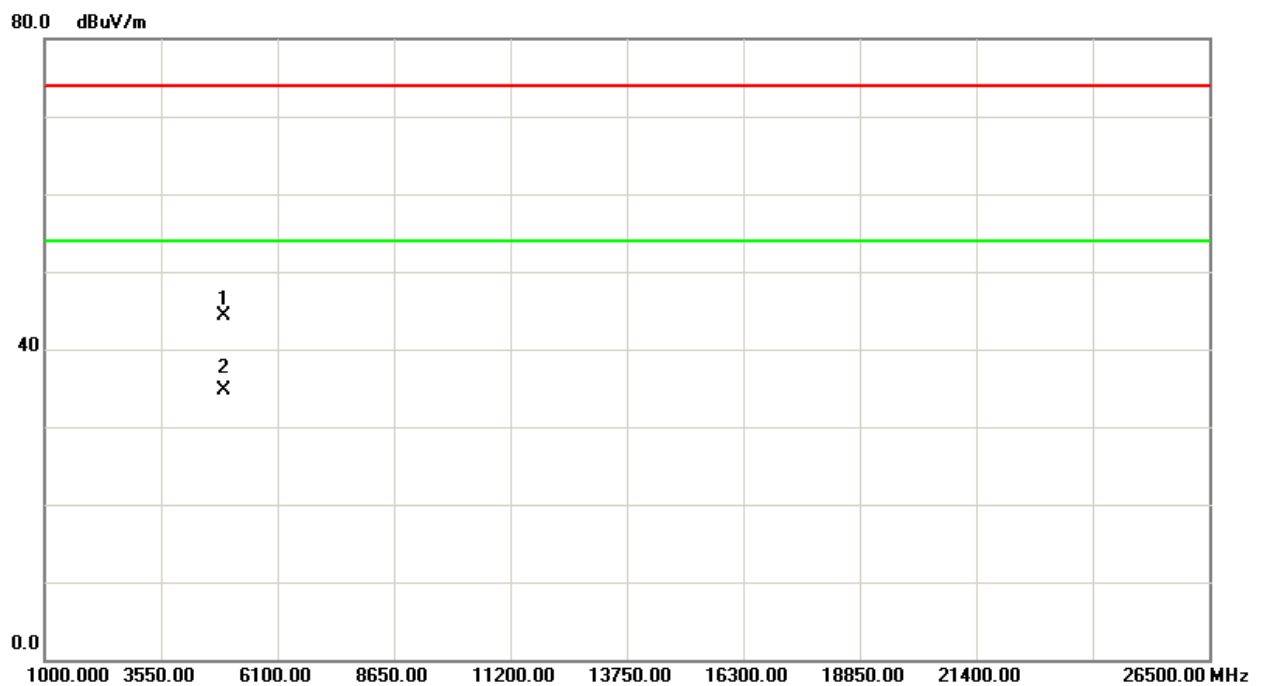
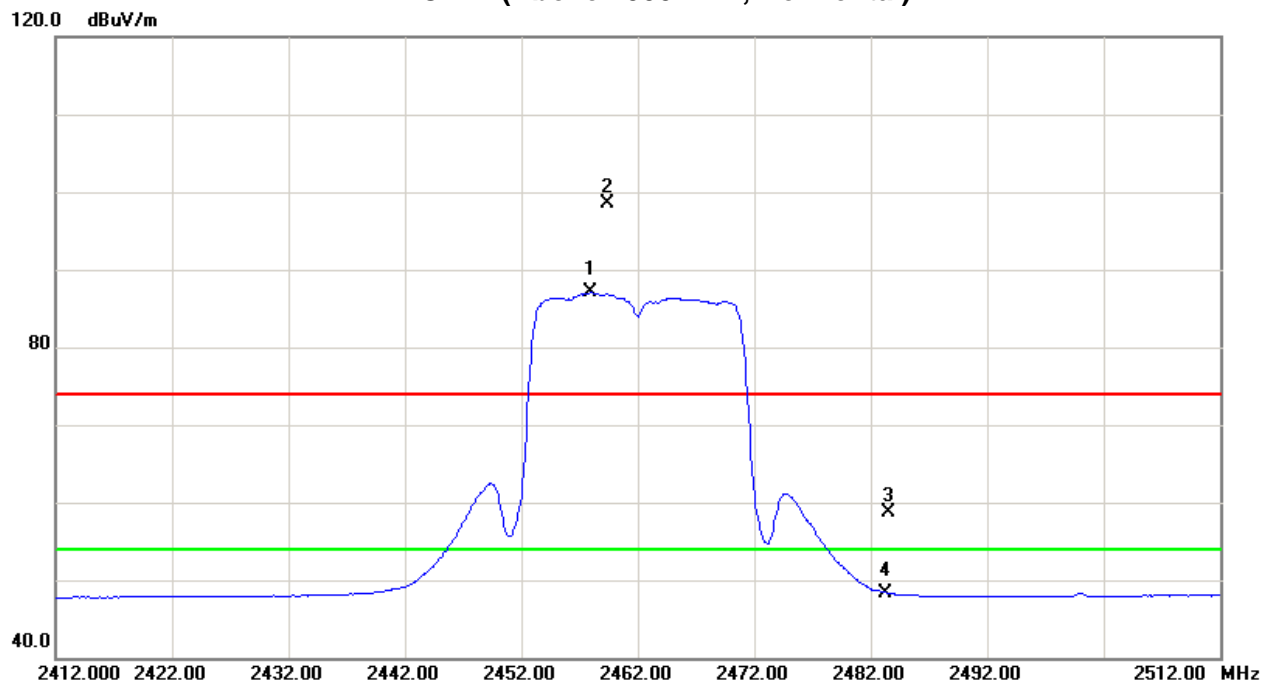
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|--------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2459.40 | H | 64.18 | 52.74 | 34.30 | 98.48 | 87.04 | | | X/F |
| 2483.50 | H | 24.28 | 14.01 | 34.37 | 58.65 | 48.38 | 74.00 | 54.00 | X/E |
| 4924.11 | H | 37.61 | 28.06 | 6.72 | 44.33 | 34.78 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH11 (Above 1000 MHz, Horizontal)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-40M MODE 2422MHz | | |

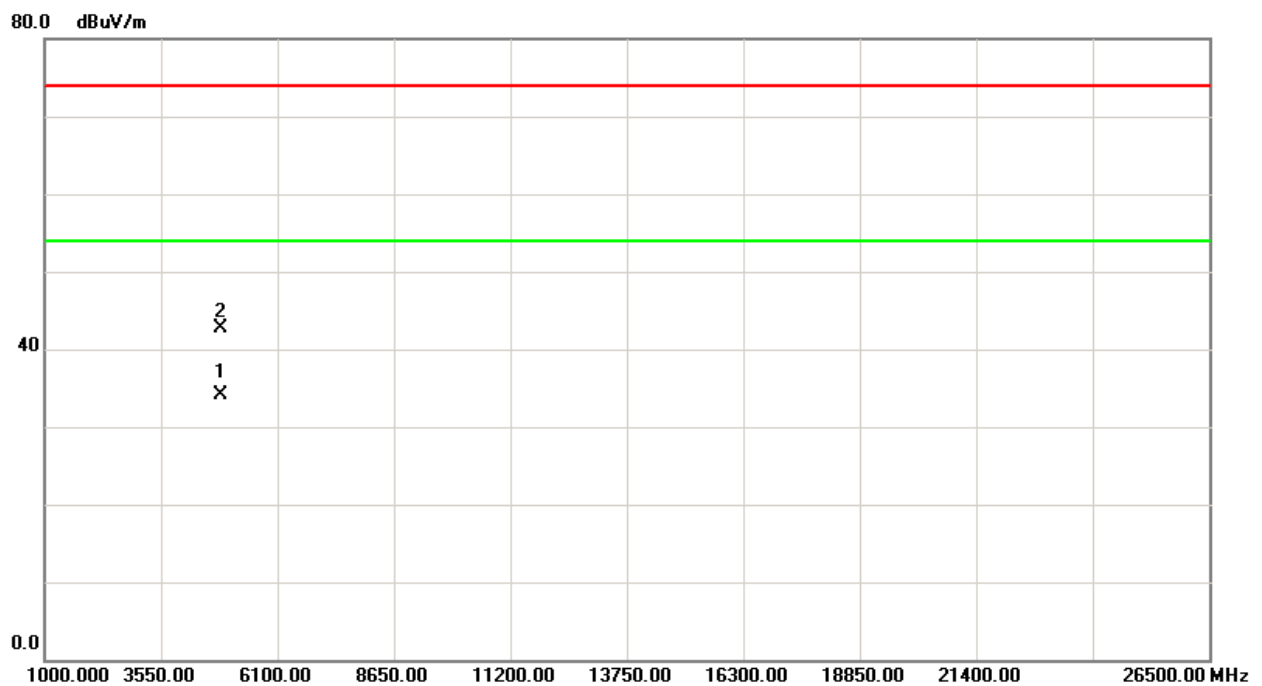
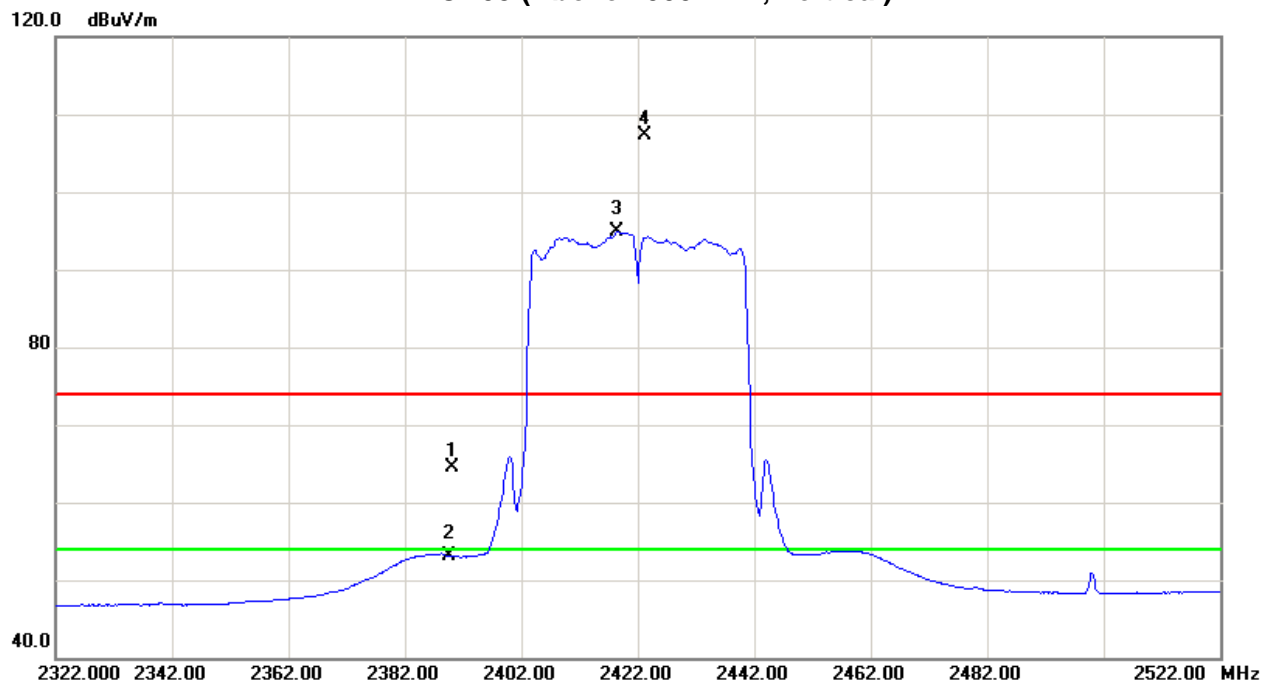
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|---------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2390.00 | V | 30.35 | 18.96 | 34.09 | 64.44 | 53.05 | 74.00 | 54.00 | X/E |
| 2423.20 | V | 73.10 | 60.64 | 34.19 | 107.29 | 94.83 | | | X/F |
| 4844.14 | V | 36.29 | 27.51 | 6.50 | 42.79 | 34.01 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH03 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-40M MODE 2422MHz | | |

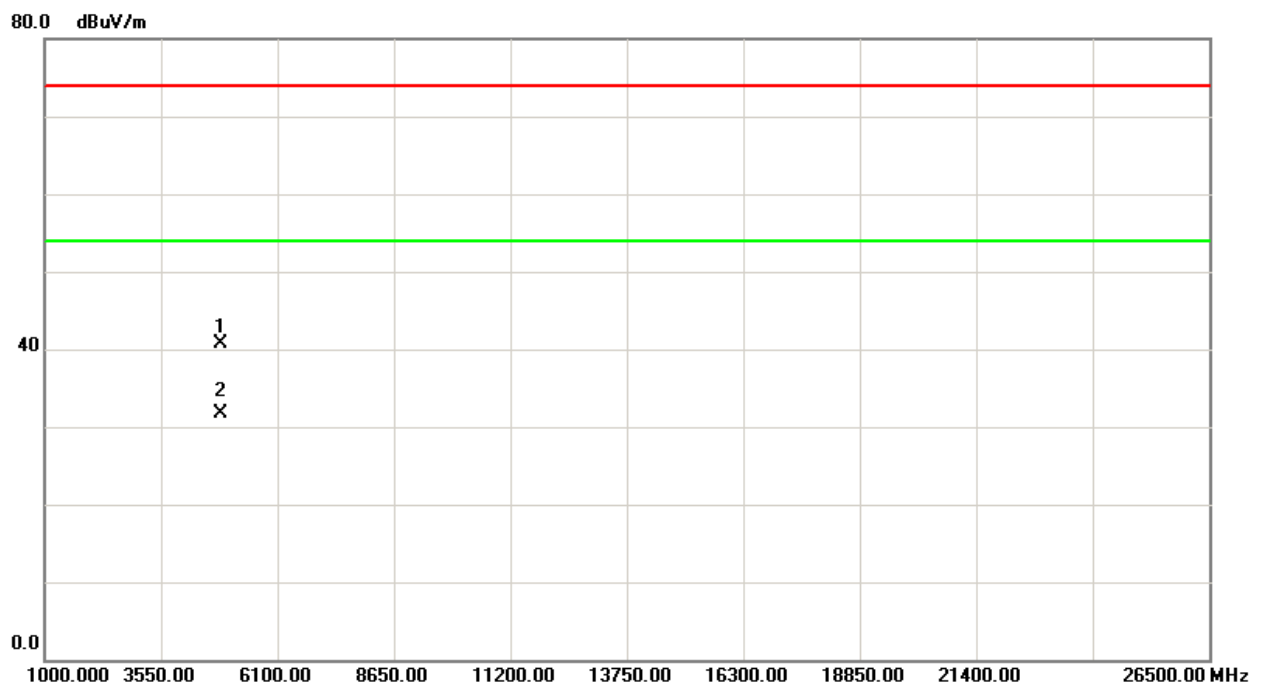
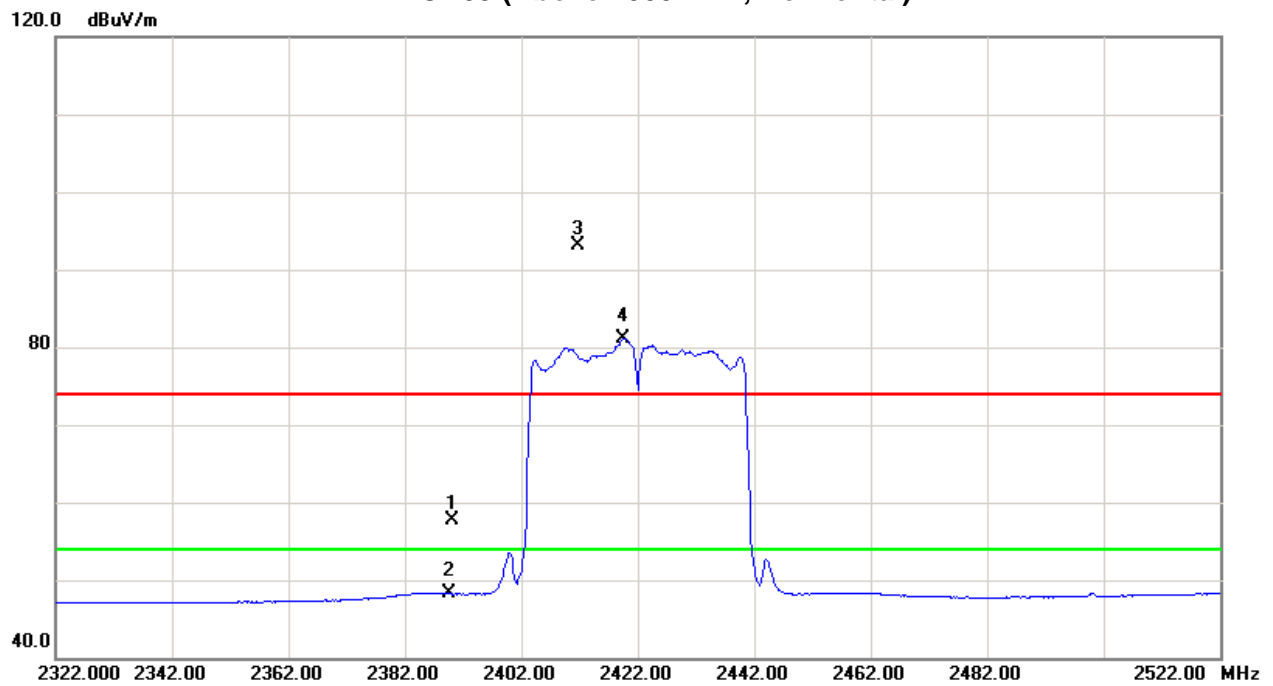
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|--------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2390.00 | H | 23.55 | 14.14 | 34.09 | 57.64 | 48.23 | 74.00 | 54.00 | X/E |
| 2411.60 | H | 58.91 | 46.96 | 34.16 | 93.07 | 81.12 | | | X/F |
| 4844.02 | H | 34.26 | 25.11 | 6.50 | 40.76 | 31.61 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH03 (Above 1000 MHz, Horizontal)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-40M MODE 2437MHz | | |

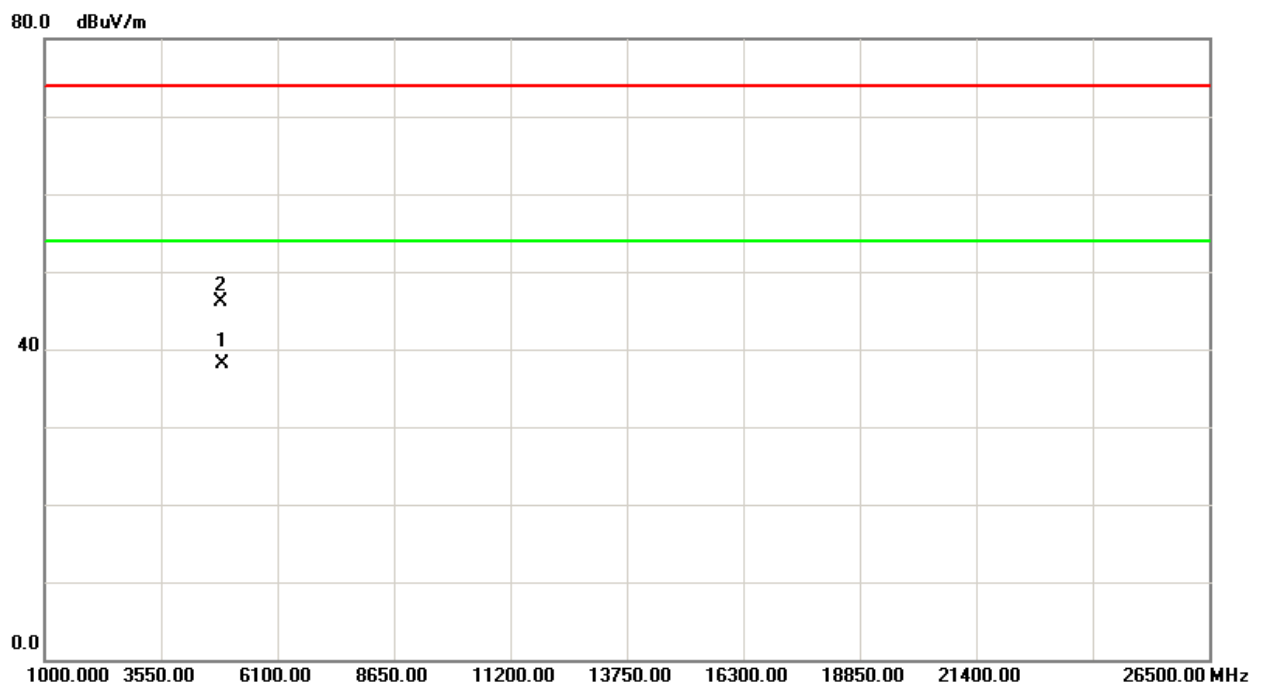
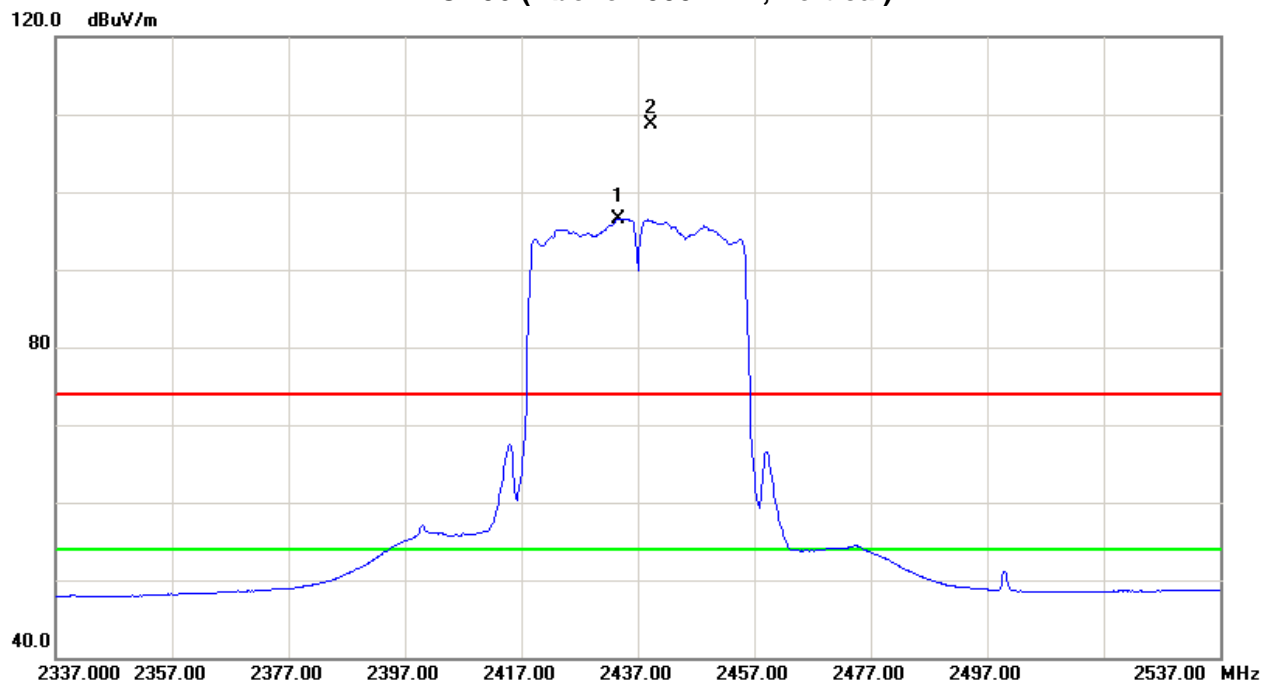
| Freq. | Ant. Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|-----------|--------------|--------------|--------------|---------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2439.20 | V | 74.51 | 62.33 | 34.23 | 108.74 | 96.56 | | | X/F |
| 4874.15 | V | 39.58 | 31.49 | 6.58 | 46.16 | 38.07 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH06 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-40M MODE 2437MHz | | |

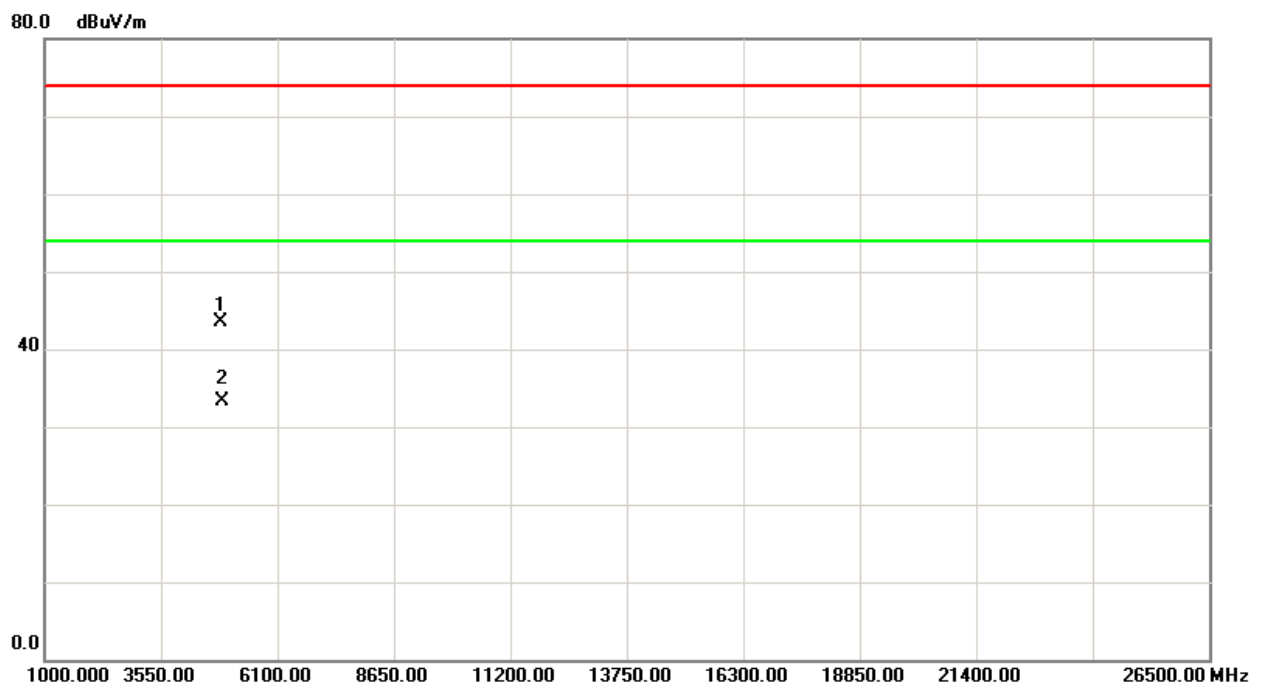
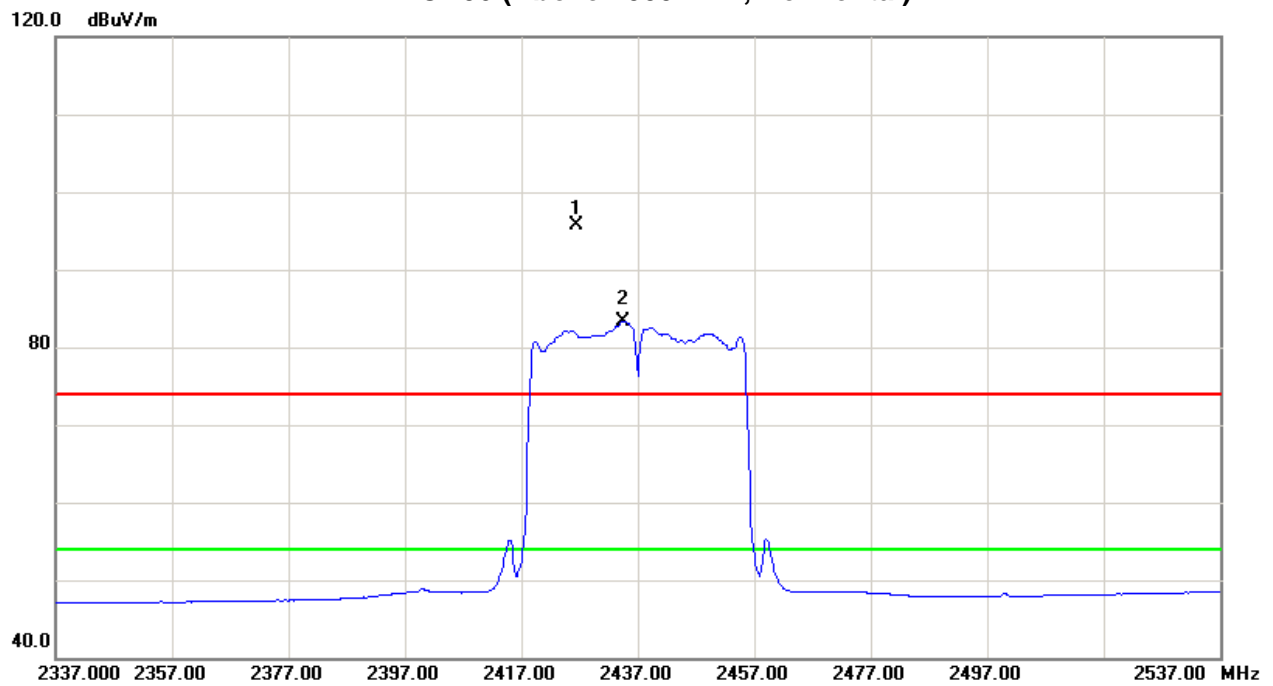
| Freq. | Ant. Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|-----------|--------------|--------------|--------------|--------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2426.40 | H | 61.55 | 49.05 | 34.20 | 95.75 | 83.25 | | | X/F |
| 4874.10 | H | 37.02 | 26.66 | 6.58 | 43.60 | 33.24 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH06 (Above 1000 MHz, Horizontal)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-40M MODE 2452MHz | | |

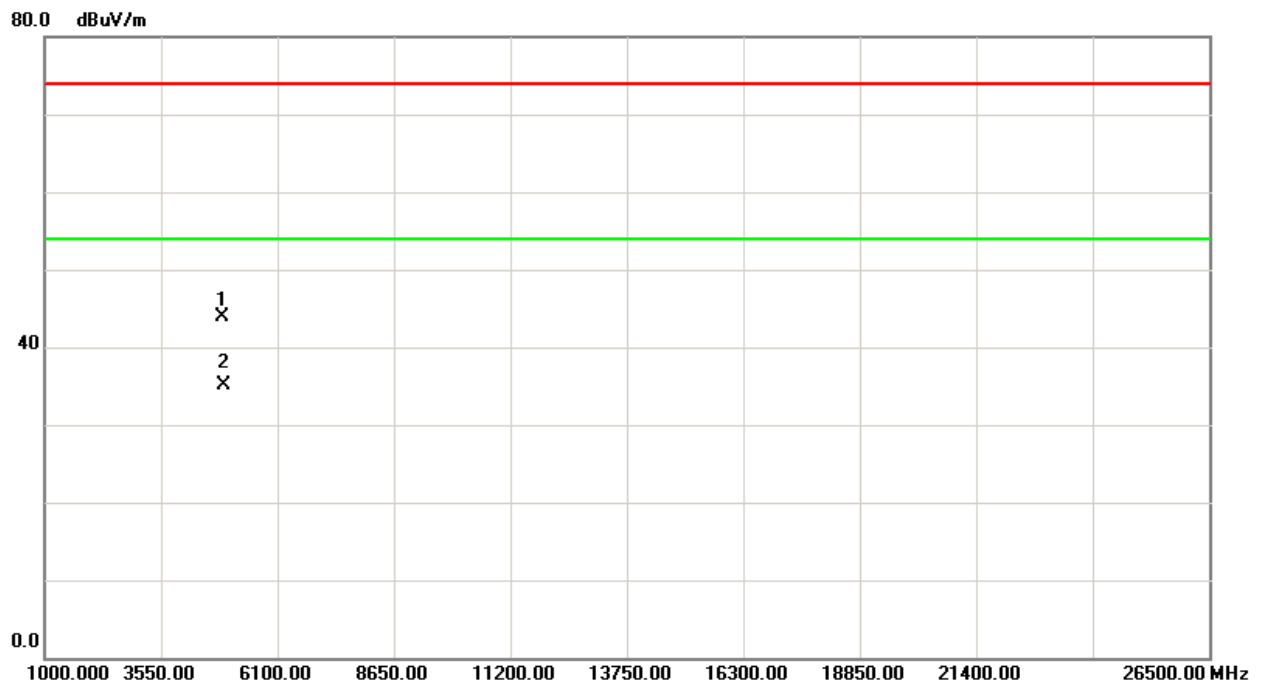
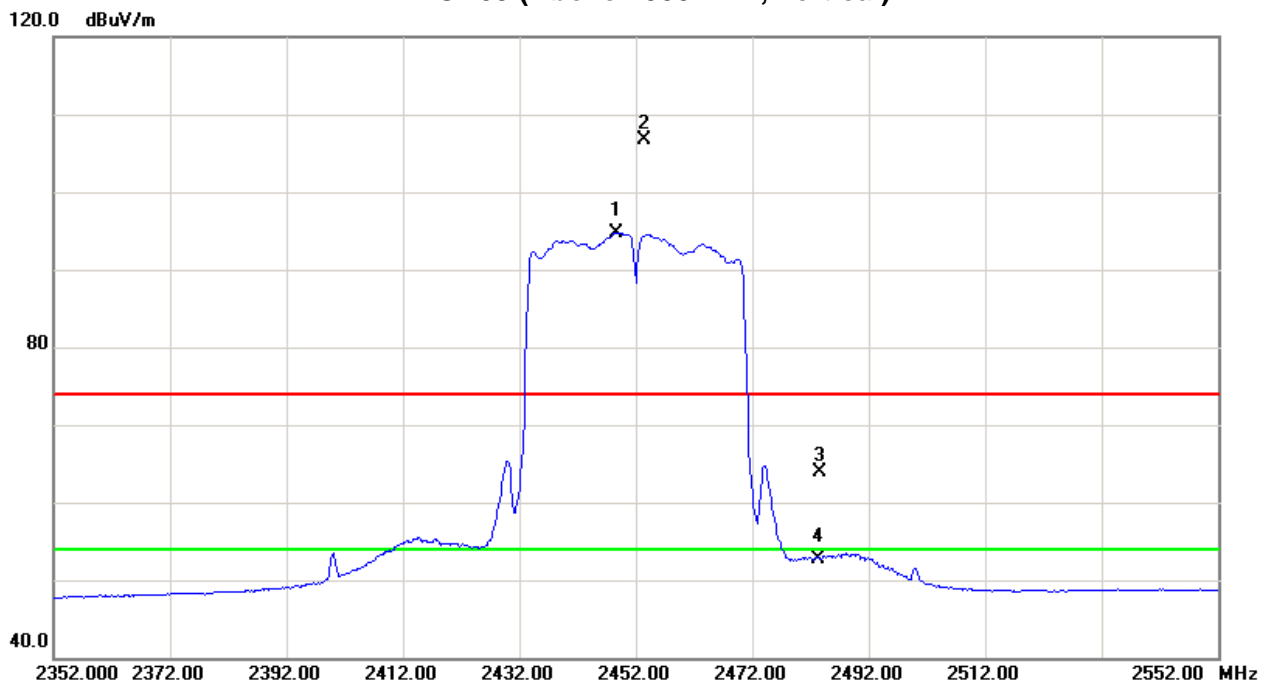
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|---------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2453.40 | V | 72.50 | 60.47 | 34.28 | 106.78 | 94.75 | | | X/F |
| 2483.50 | V | 29.46 | 18.41 | 34.37 | 63.83 | 52.78 | 74.00 | 54.00 | X/E |
| 4904.06 | V | 37.25 | 28.46 | 6.67 | 43.92 | 35.13 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH09 (Above 1000 MHz, Vertical)





| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 51 % |
| Pressure: | 1010 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N-40M MODE 2452MHz | | |

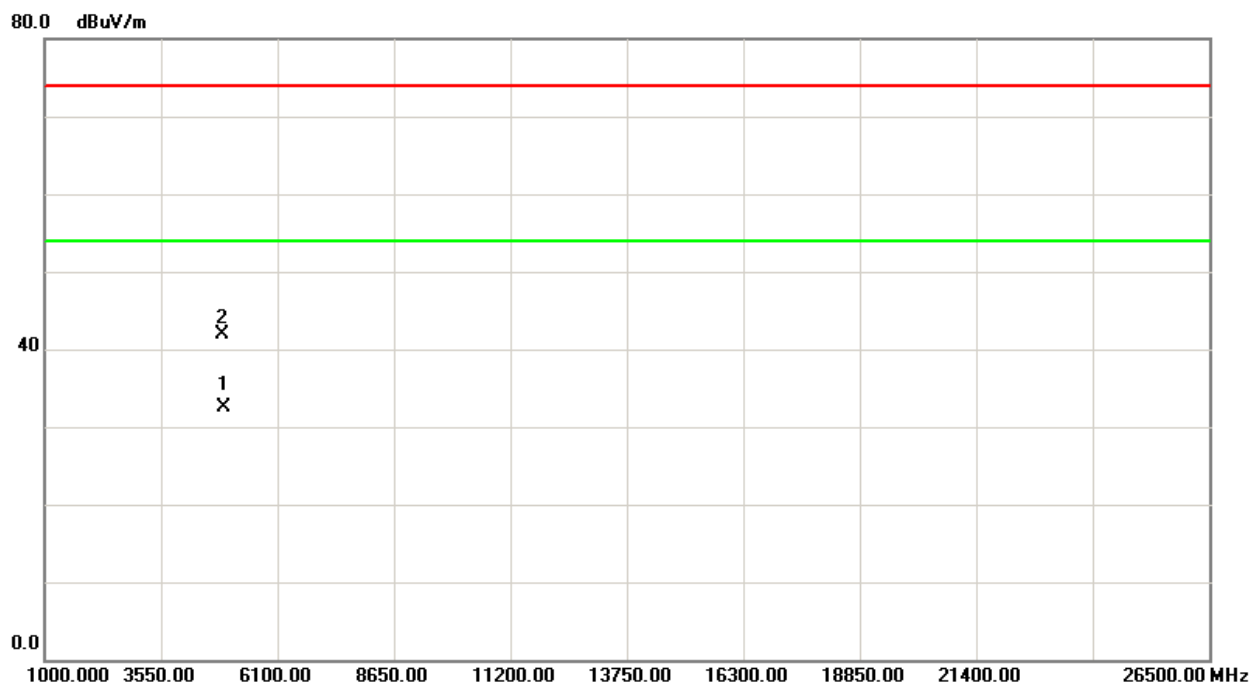
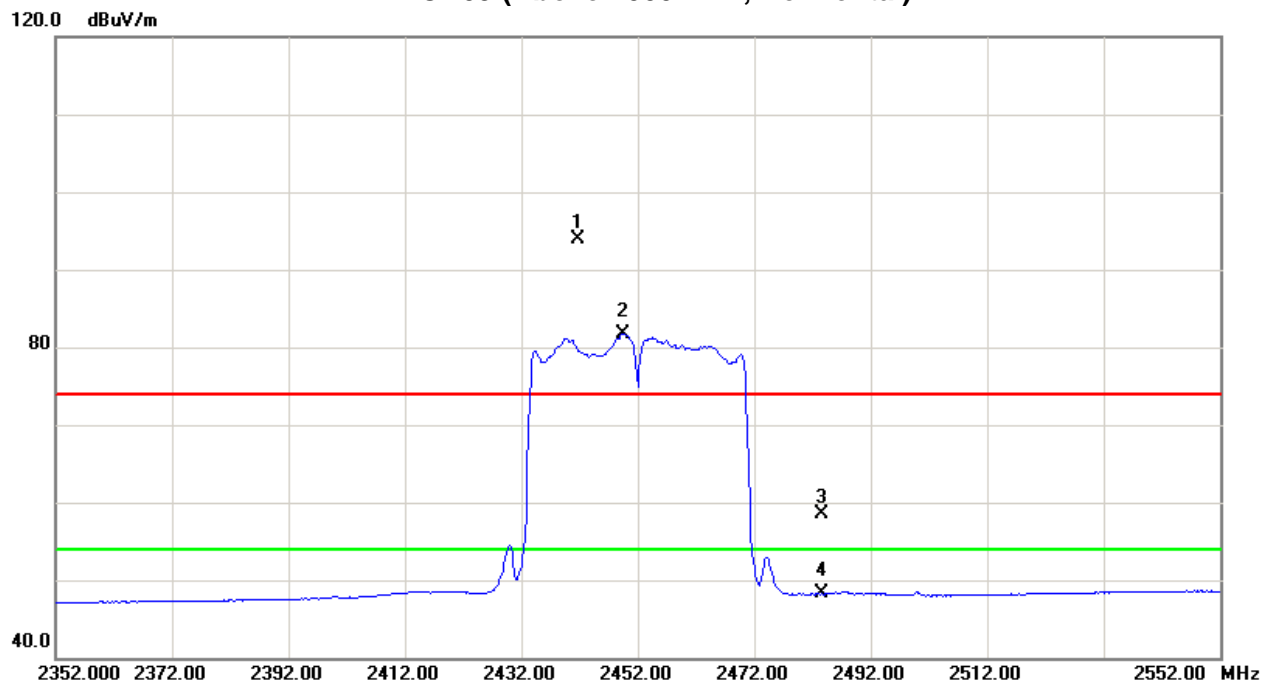
| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|----------------|----------|--------------|--------------|--------------|--------------|--------------|----------|----------|------------|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2441.60 | H | 59.75 | 47.43 | 34.25 | 94.00 | 81.68 | | | X/F |
| 2483.50 | H | 24.10 | 13.87 | 34.37 | 58.47 | 48.24 | 74.00 | 54.00 | X/E |
| 4904.10 | H | 35.27 | 25.85 | 6.67 | 41.94 | 32.52 | 74.00 | 54.00 | X/H |

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



TX CH09 (Above 1000 MHz, Horizontal)





5. BANDWIDTH TEST

5.1 Applied procedures / limit

| FCC Part15 (15.247) , Subpart C | | | |
|---------------------------------|-----------|-----------------------|--------|
| Section | Test Item | Frequency Range (MHz) | Result |
| 15.247(a)(2) | Bandwidth | 2400-2483.5 | PASS |

5.1.1 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|--------------|----------|------------|------------------|
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov. 09, 2014 |

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

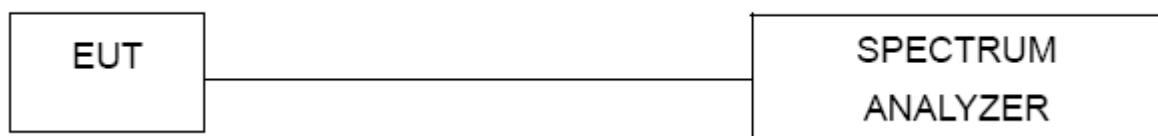
5.1.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.1.3 DEVIATION FROM STANDARD

No deviation.

5.1.4 TEST SETUP



5.1.5 EUT OPERATION CONDITIONS

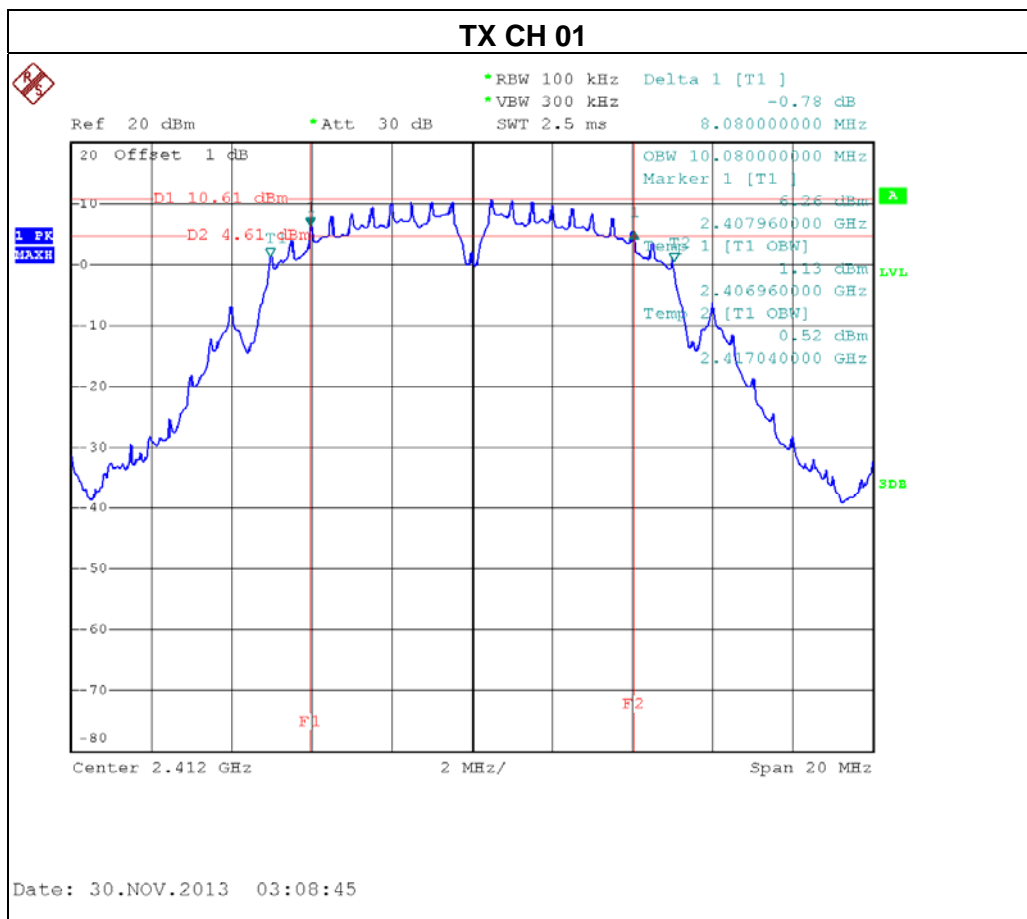
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

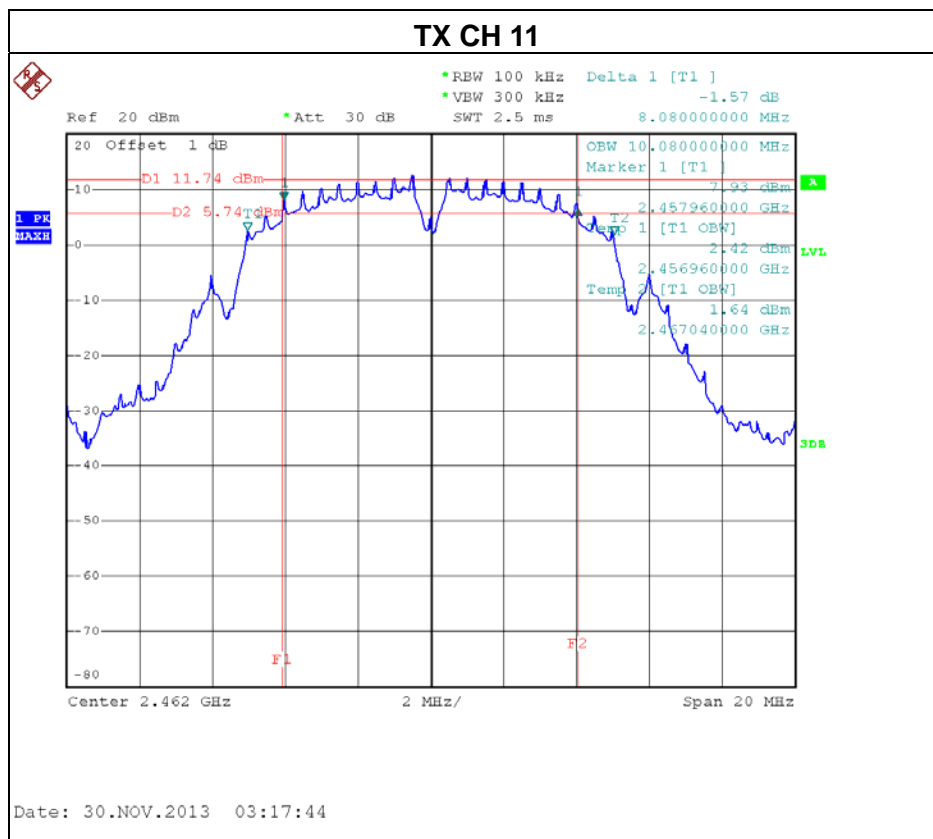
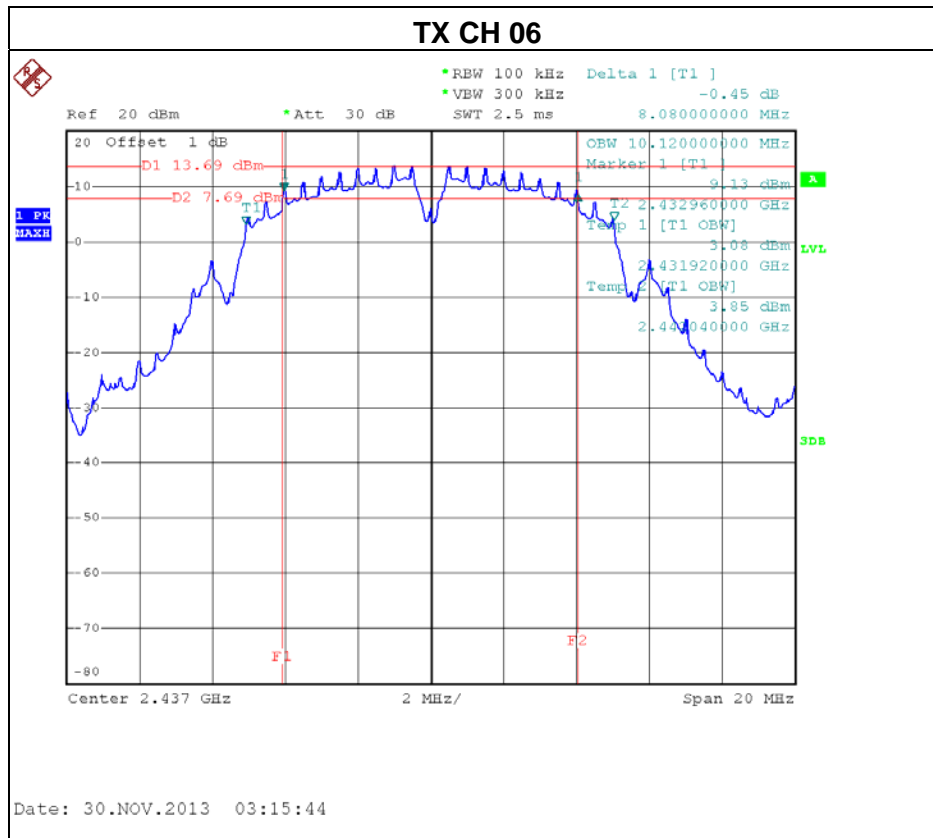


5.1.6 TEST RESULTS

| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name. : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX B MODE /CH01, CH06, CH11 | | |

| Test Channel | Frequency (MHz) | Bandwidth (MHz) | Result |
|--------------|-----------------|-----------------|--------|
| CH01 | 2412 | 8.08 | PASS |
| CH06 | 2437 | 8.08 | PASS |
| CH11 | 2462 | 8.08 | PASS |

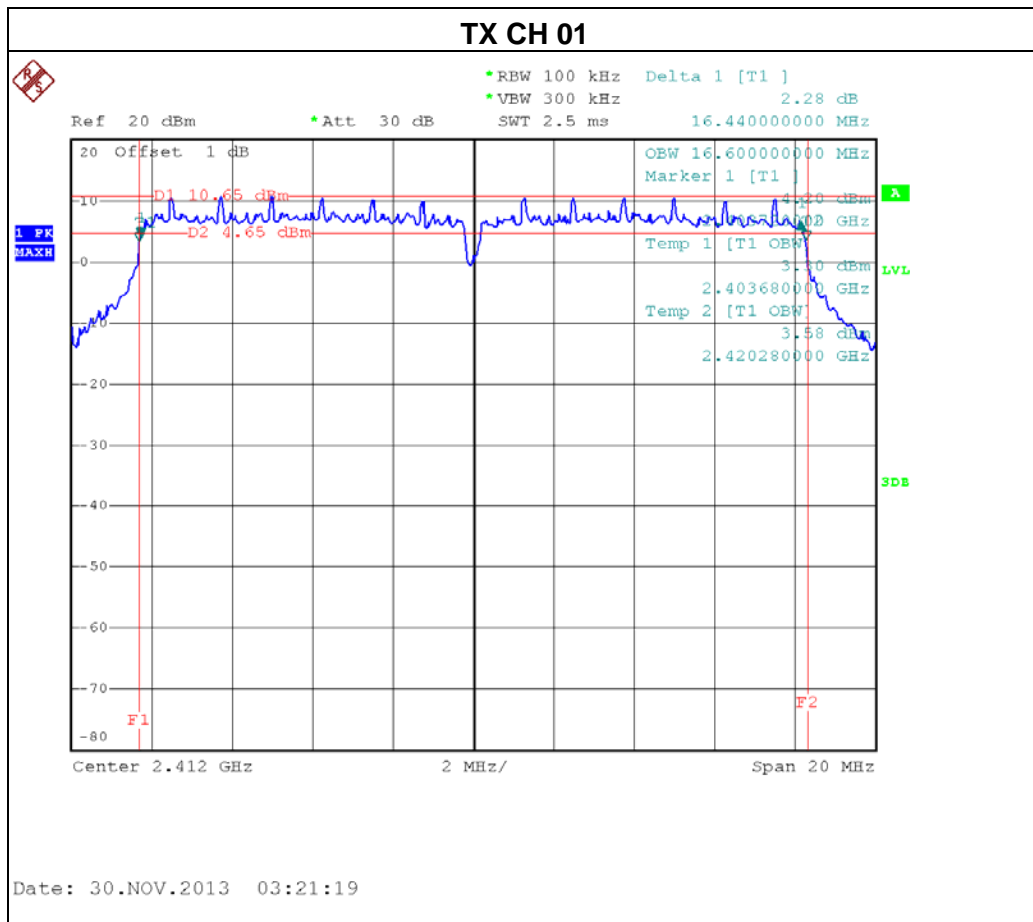


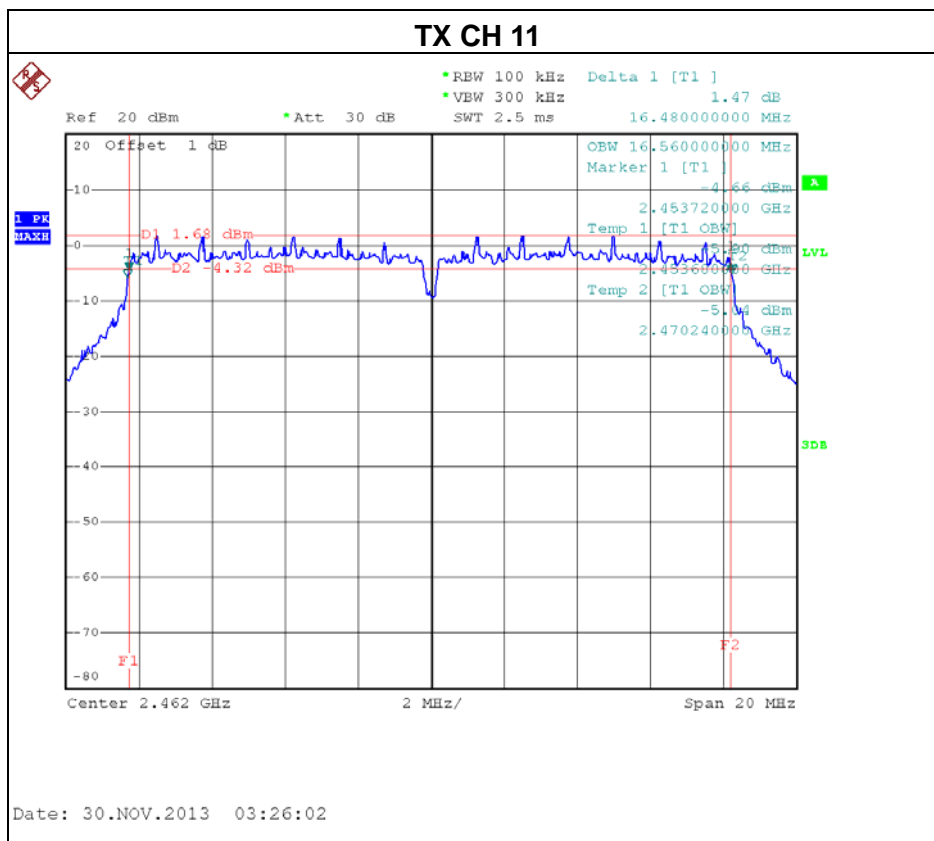
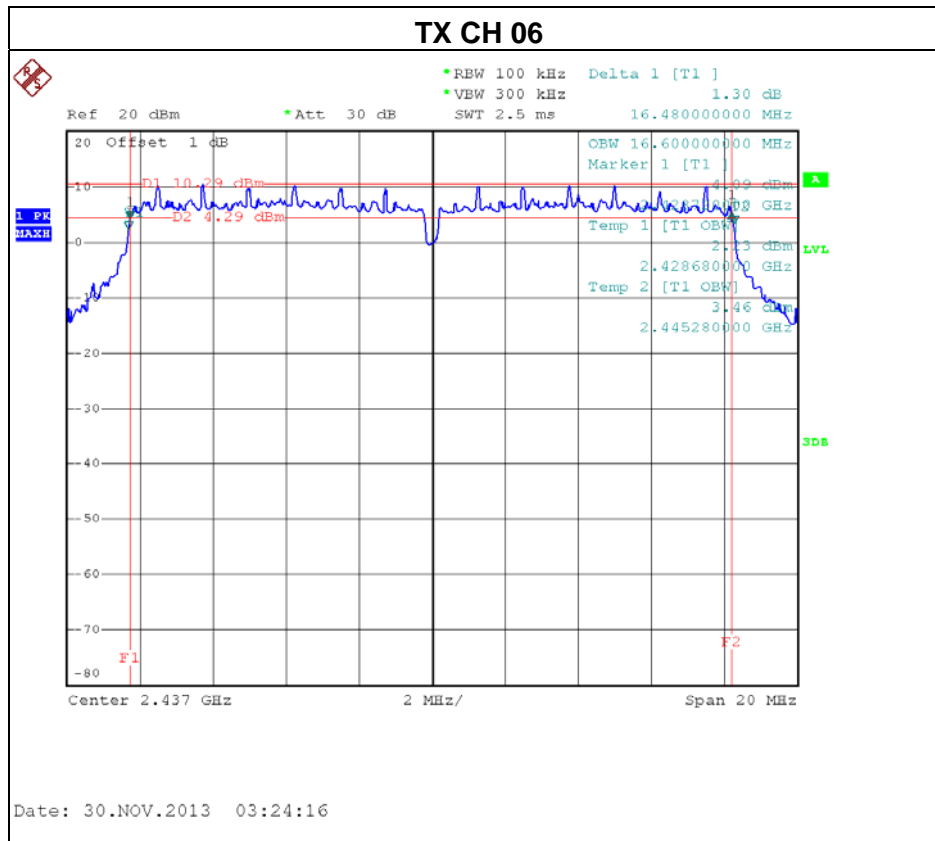




| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name. : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX G MODE /CH01, CH06, CH11 | | |

| Test Channel | Frequency (MHz) | Bandwidth (MHz) | Result |
|--------------|-----------------|-----------------|--------|
| CH01 | 2412 | 16.44 | PASS |
| CH06 | 2437 | 16.48 | PASS |
| CH11 | 2462 | 16.48 | PASS |

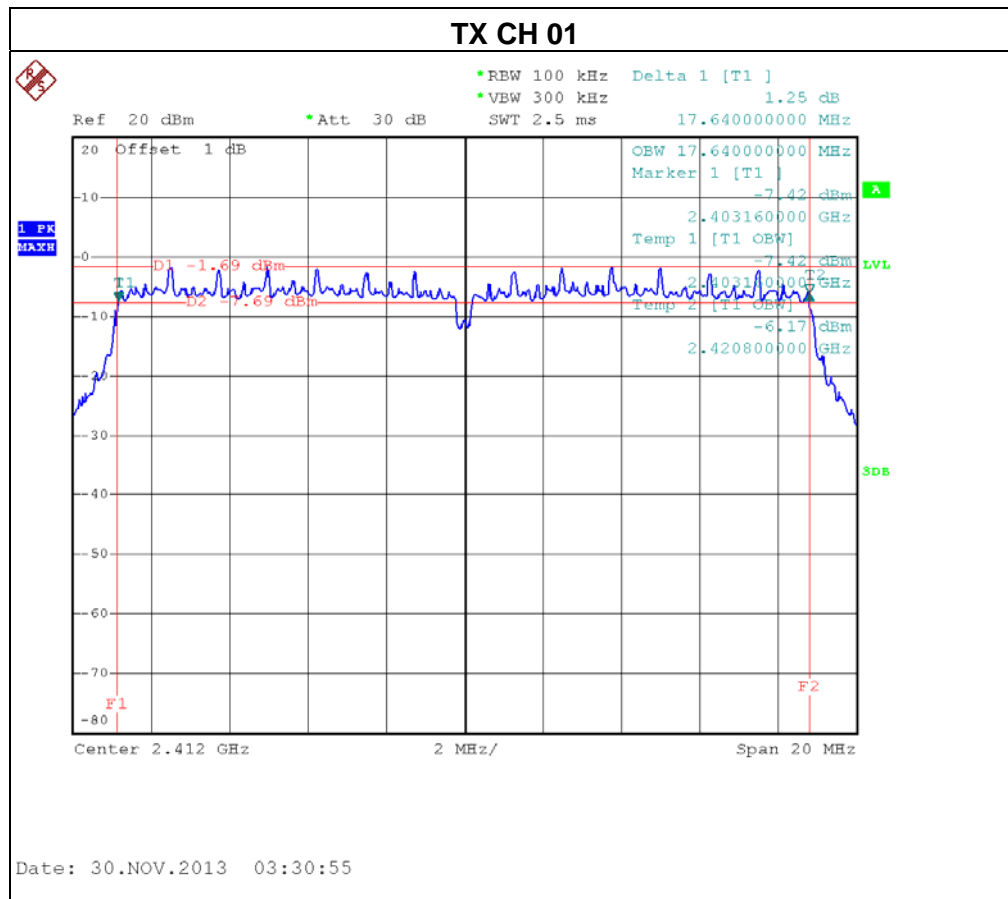


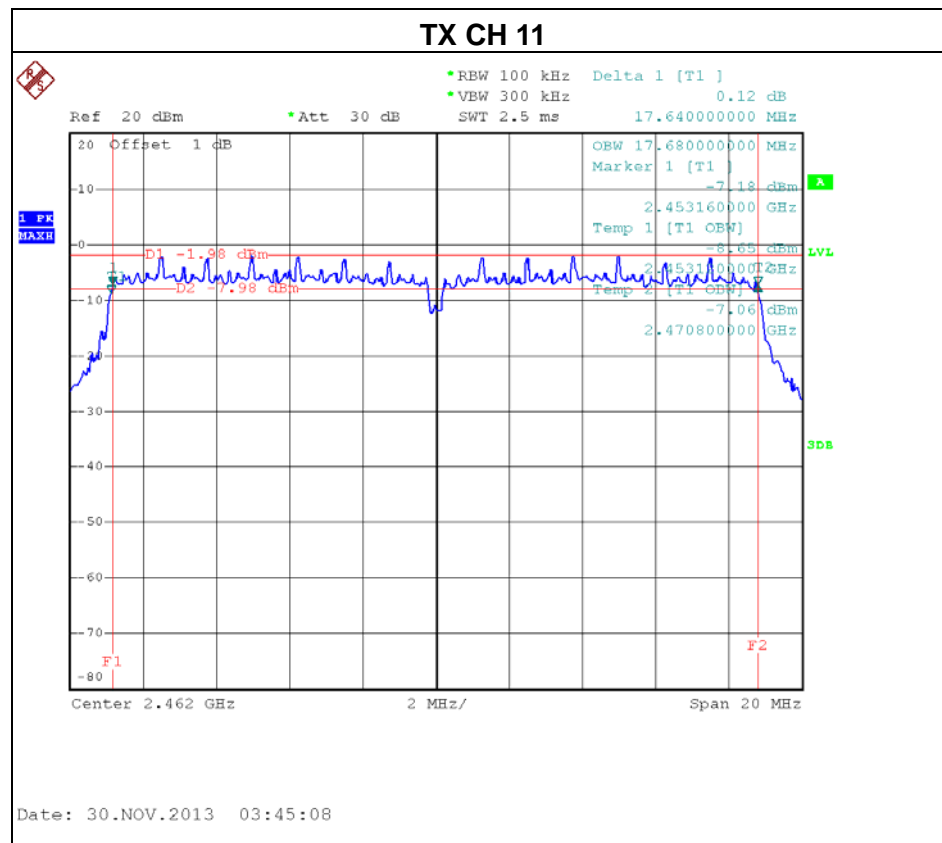
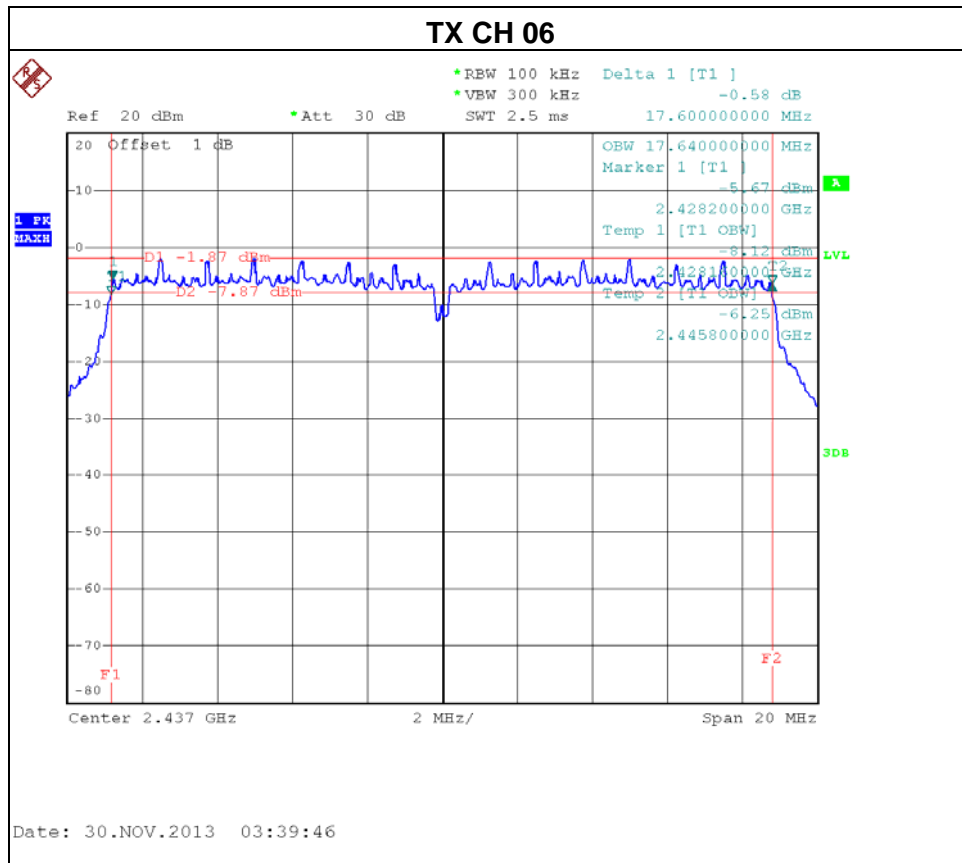




| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name. : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE -20MHz/ CH01, CH06, CH11-ANT 0 | | |

| Test Channel | Frequency (MHz) | Bandwidth (MHz) | Result |
|--------------|-----------------|-----------------|--------|
| CH01 | 2412 | 17.64 | PASS |
| CH06 | 2437 | 17.60 | PASS |
| CH11 | 2462 | 17.64 | PASS |

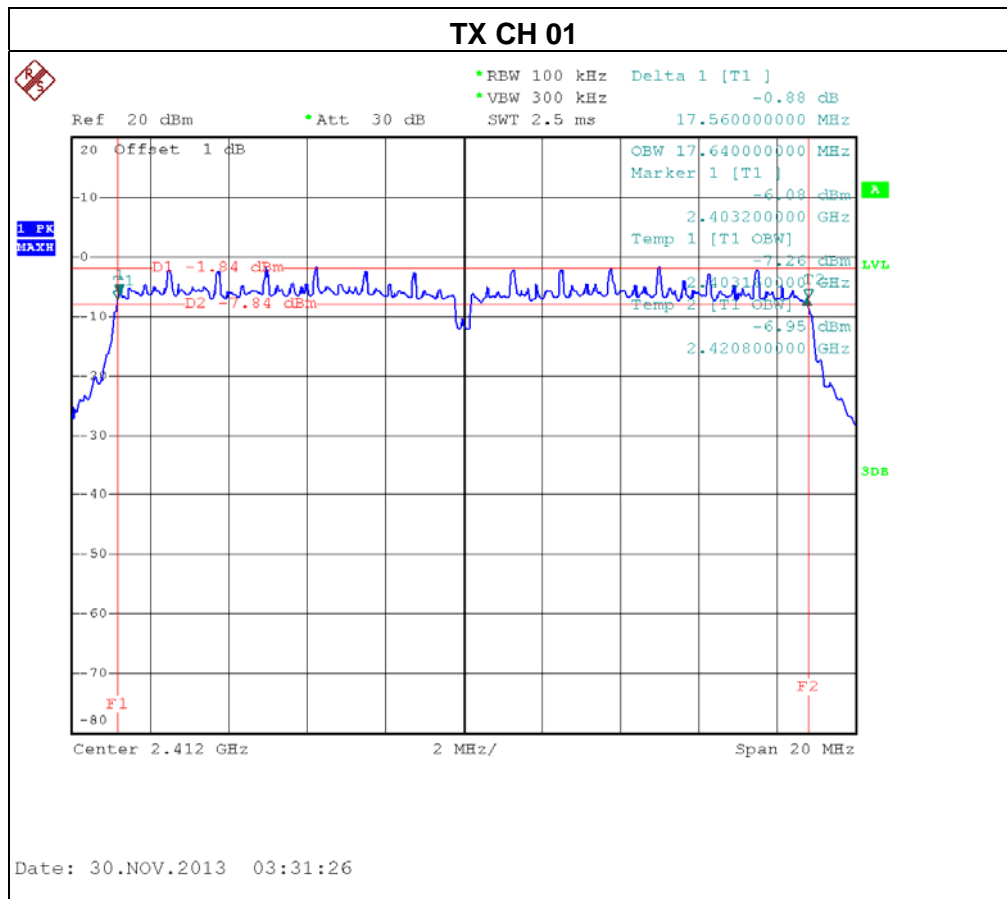


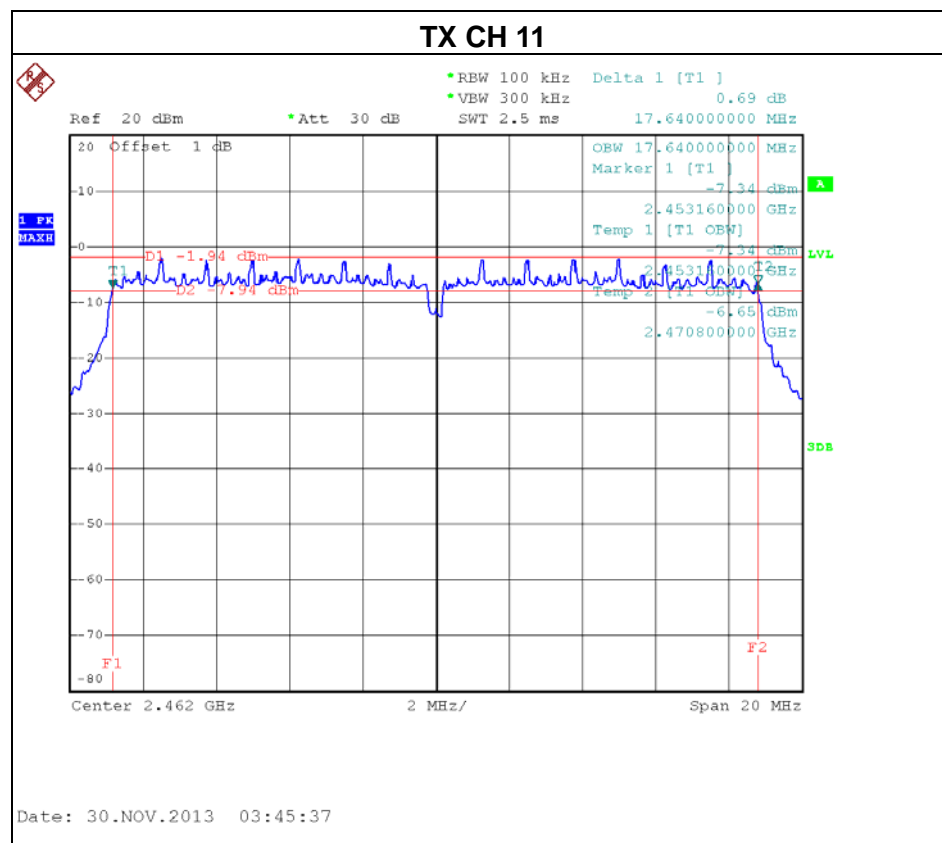
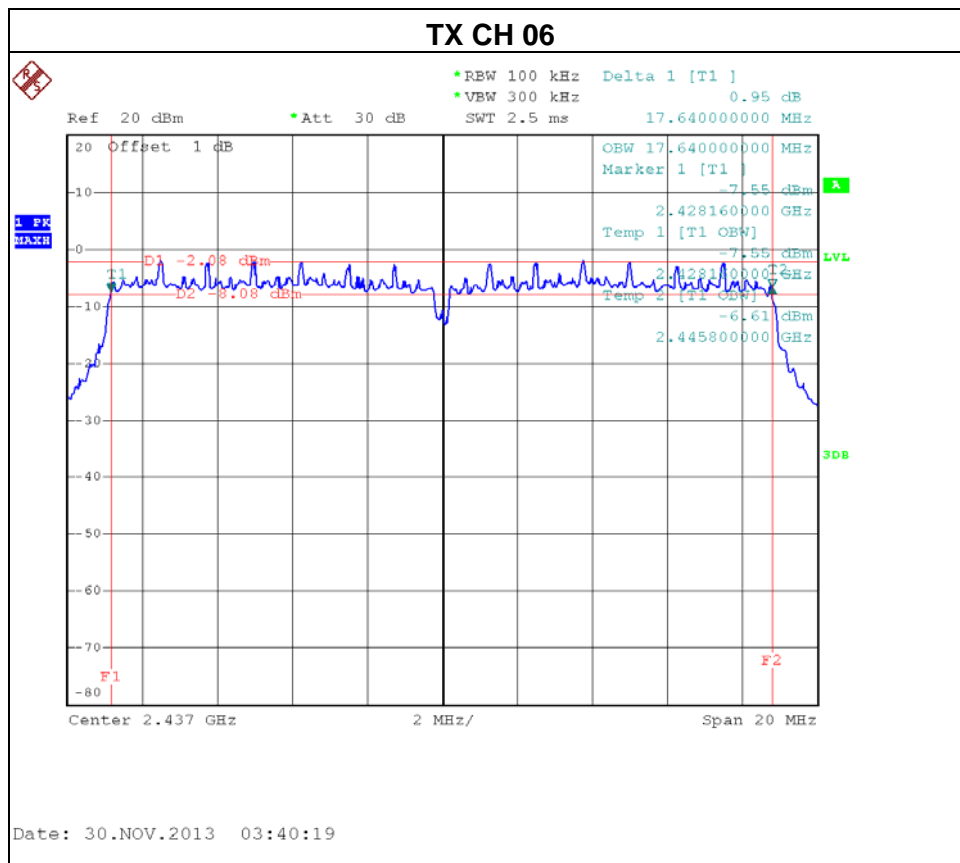




| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name. : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE -20MHz/ CH01, CH06, CH11-ANT 1 | | |

| Test Channel | Frequency (MHz) | Bandwidth (MHz) | Result |
|--------------|-----------------|-----------------|--------|
| CH01 | 2412 | 17.56 | PASS |
| CH06 | 2437 | 17.64 | PASS |
| CH11 | 2462 | 17.64 | PASS |

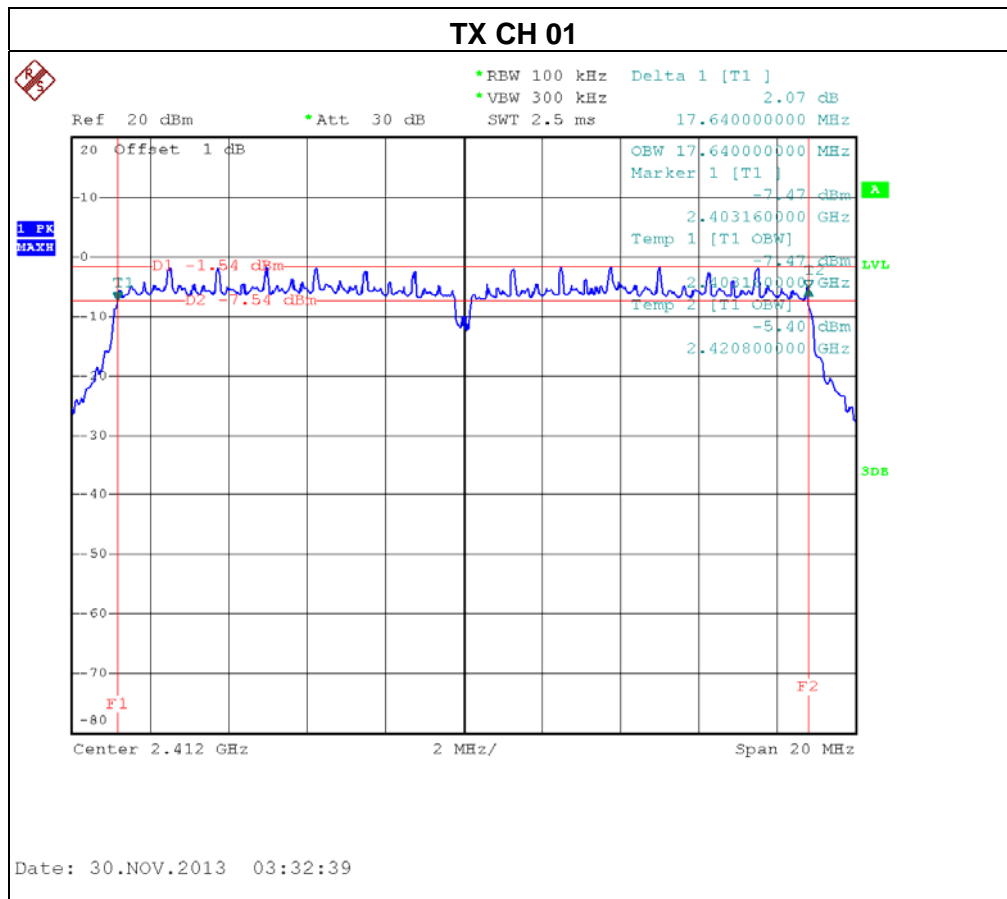


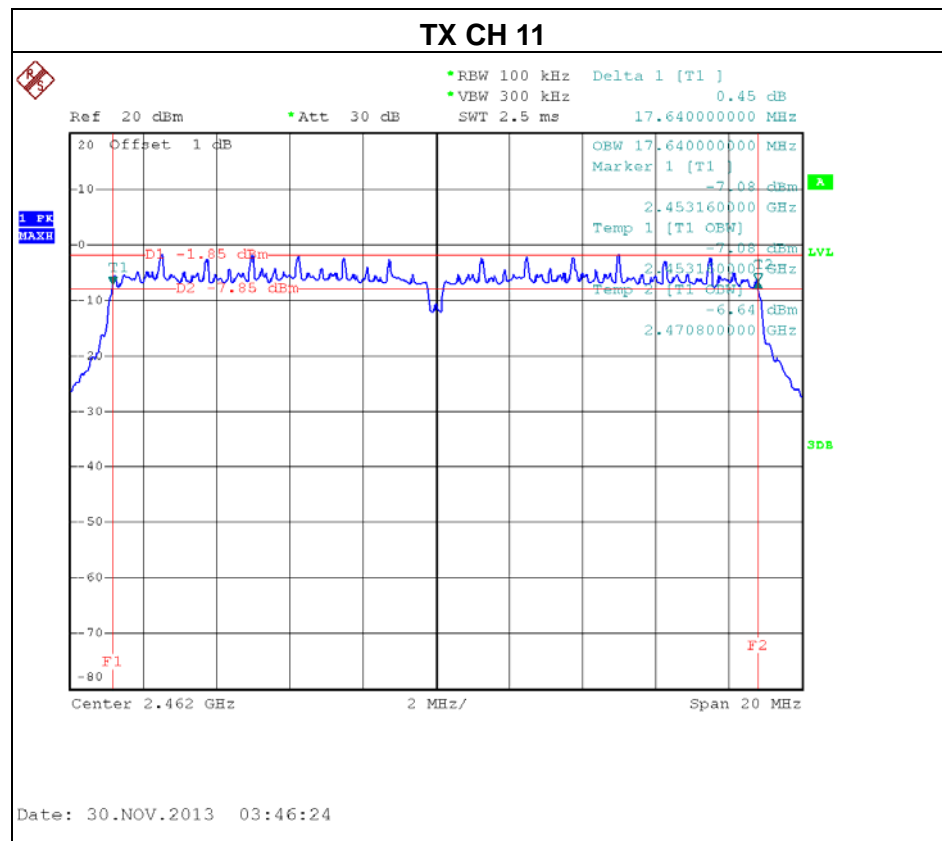
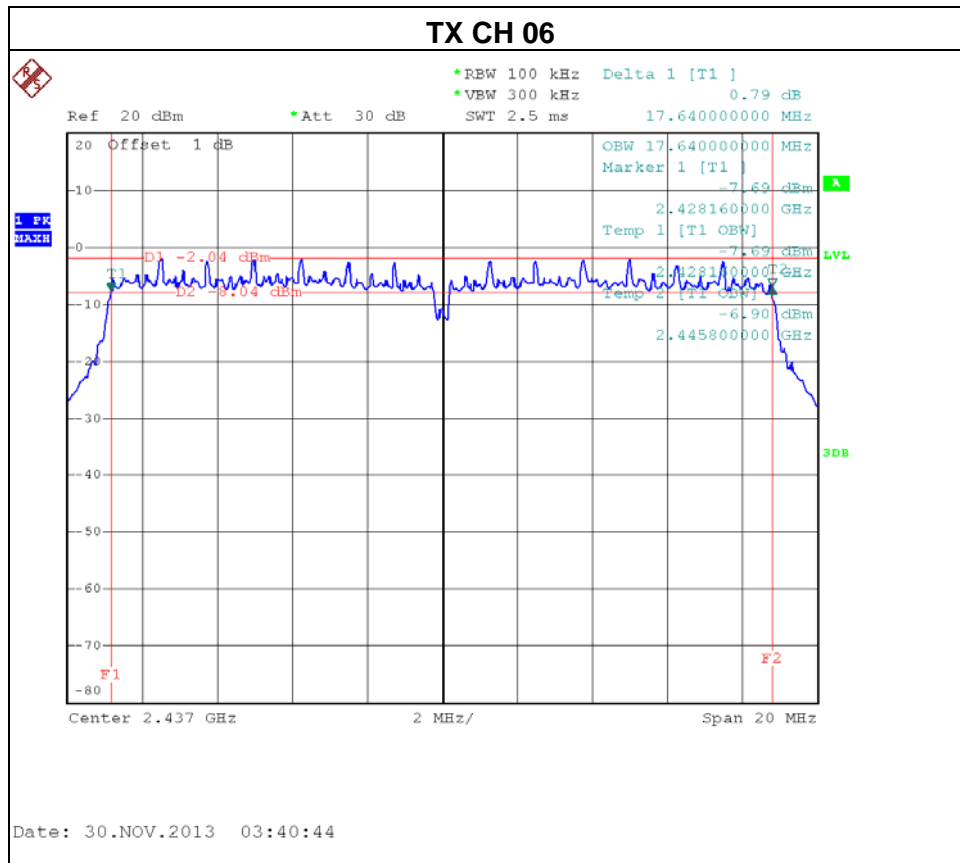




| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name. : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE -20MHz/ CH01, CH06, CH11-ANT 2 | | |

| Test Channel | Frequency (MHz) | Bandwidth (MHz) | Result |
|--------------|-----------------|-----------------|--------|
| CH01 | 2412 | 17.64 | PASS |
| CH06 | 2437 | 17.64 | PASS |
| CH11 | 2462 | 17.64 | PASS |

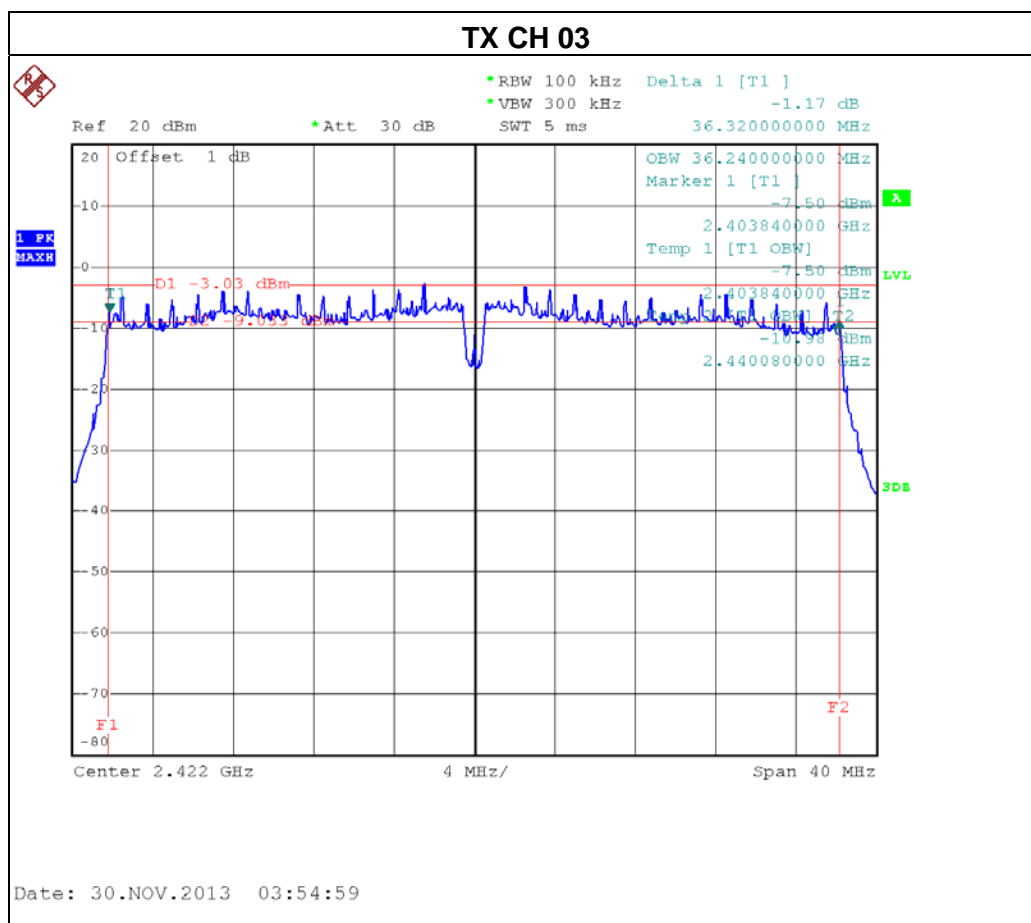


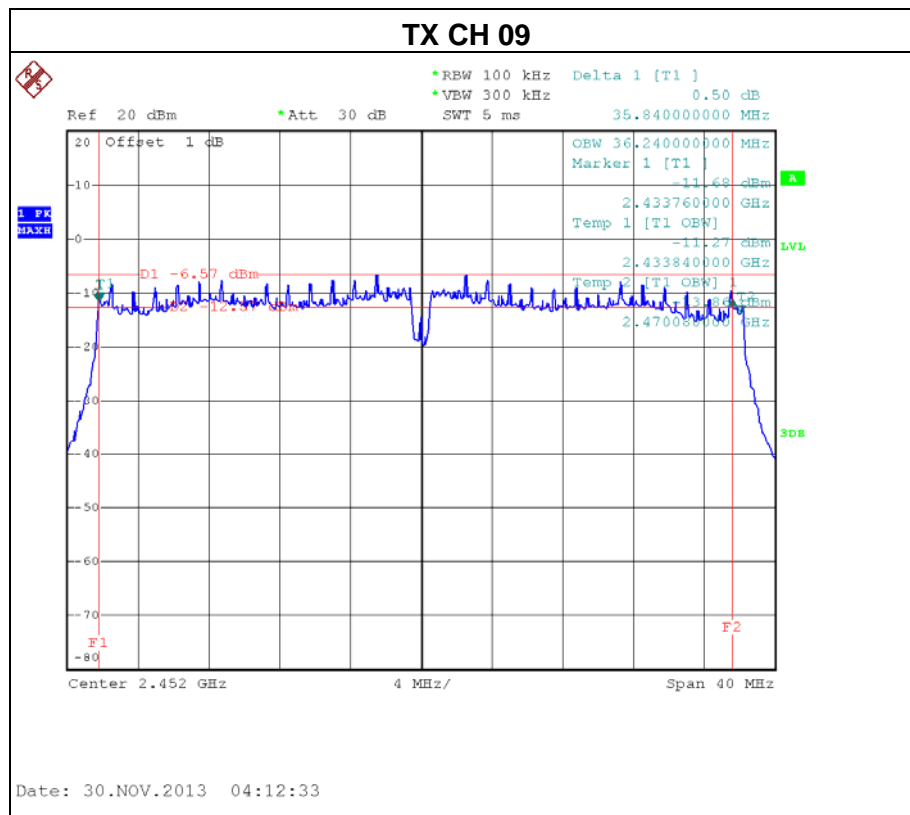
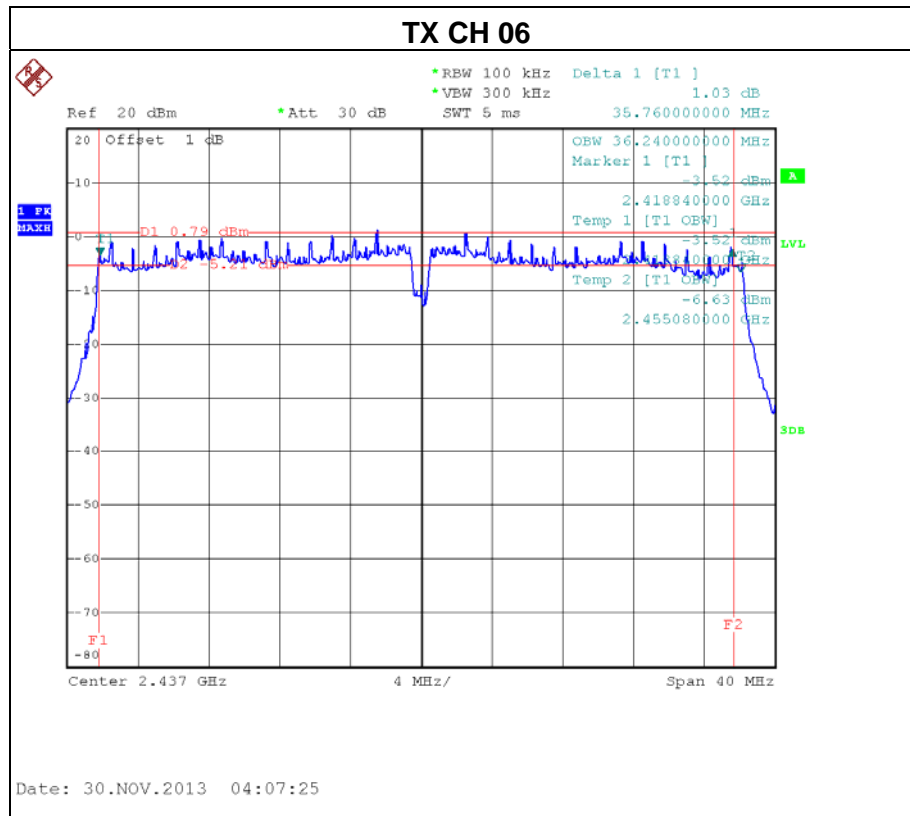




| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name. : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE -40MHz/ CH03, CH06, CH09-ANT 0 | | |

| Test Channel | Frequency (MHz) | Bandwidth (MHz) | Result |
|--------------|-----------------|-----------------|--------|
| CH03 | 2422 | 36.32 | PASS |
| CH06 | 2437 | 35.76 | PASS |
| CH09 | 2452 | 35.84 | PASS |

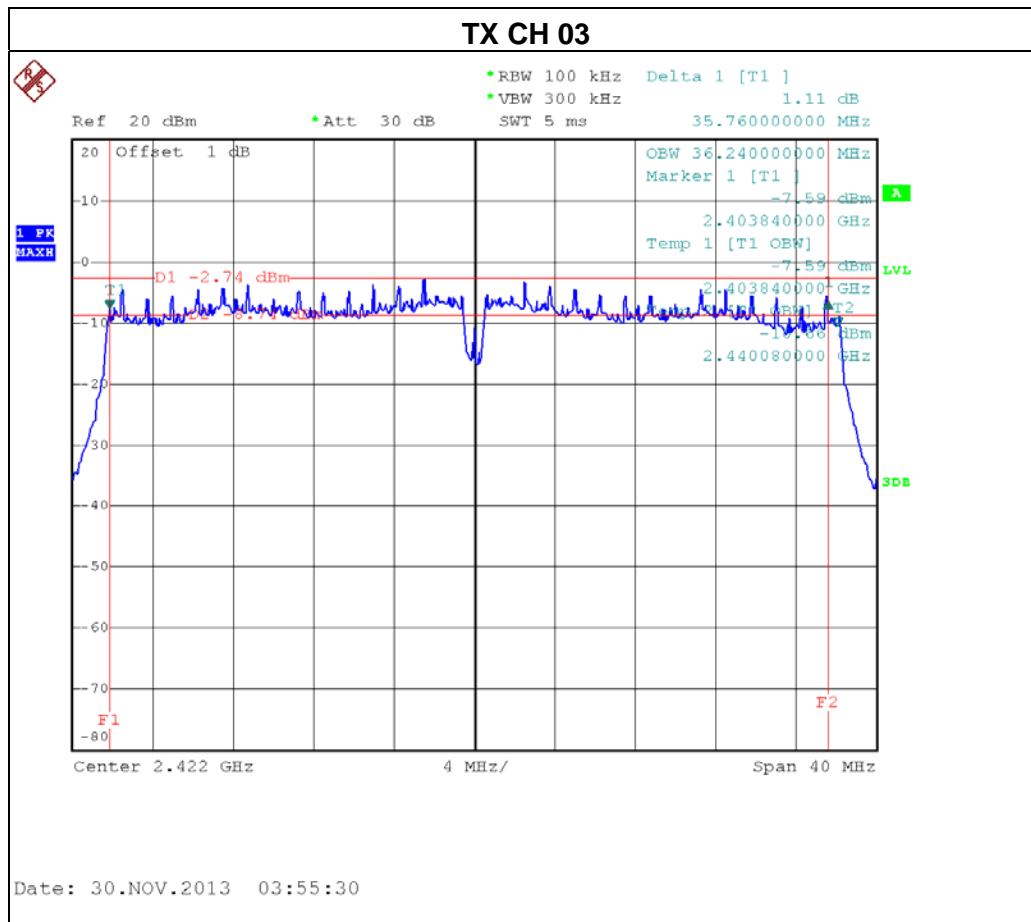


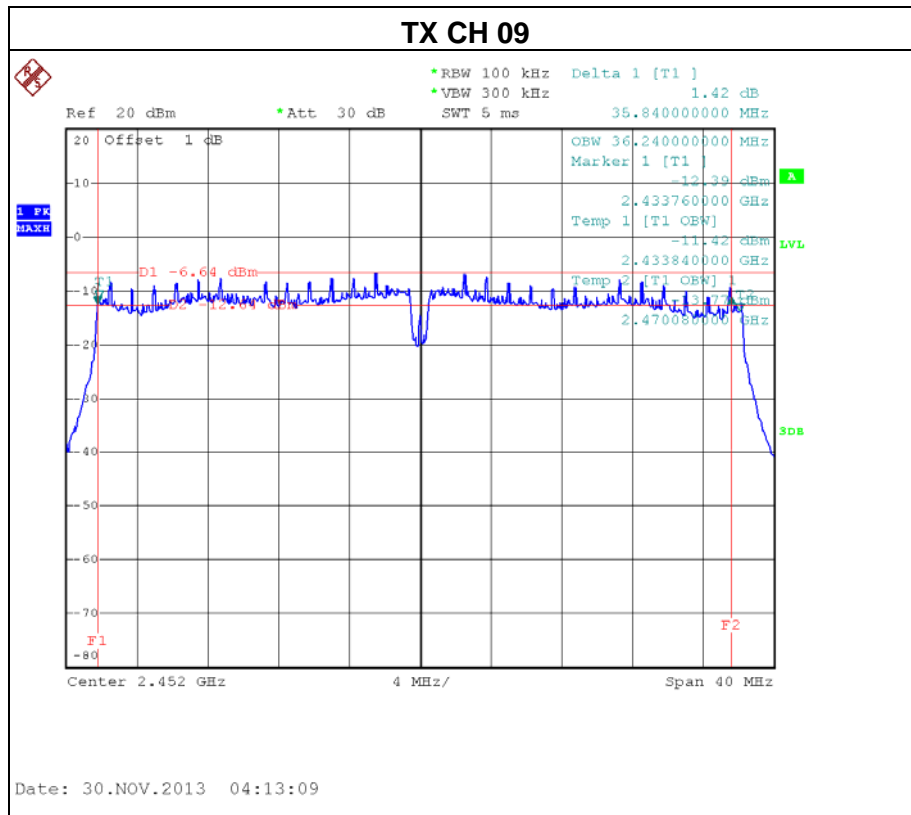
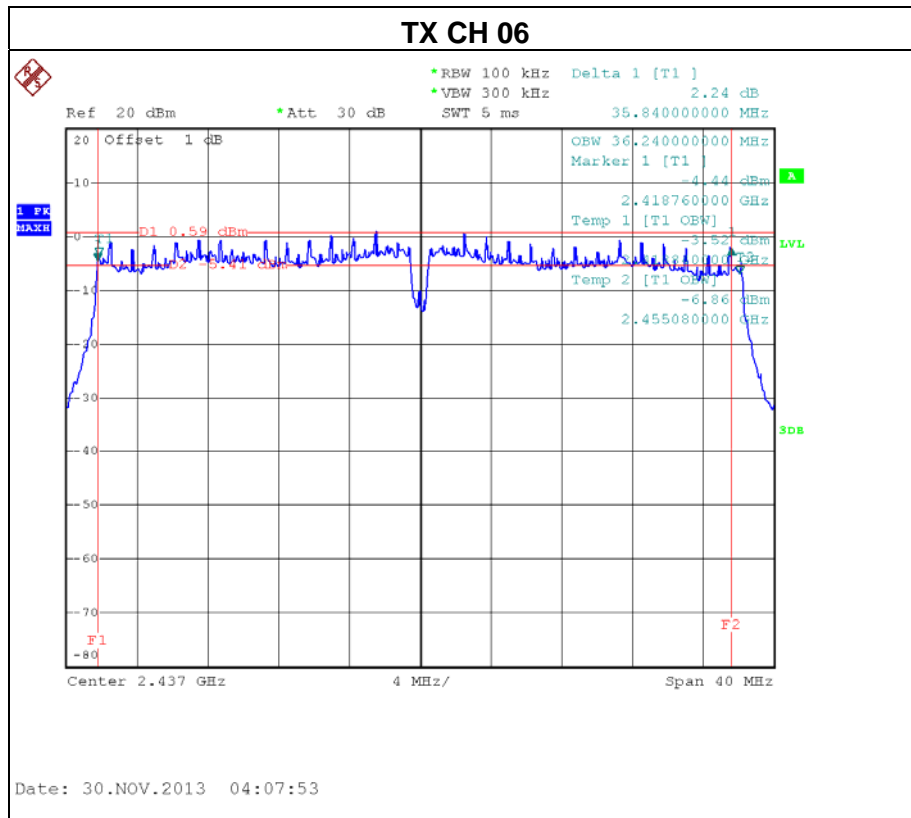




| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name. : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE -40MHz/ CH03, CH06, CH09-ANT 1 | | |

| Test Channel | Frequency (MHz) | Bandwidth (MHz) | Result |
|--------------|-----------------|-----------------|--------|
| CH03 | 2422 | 35.76 | PASS |
| CH06 | 2437 | 35.84 | PASS |
| CH09 | 2452 | 35.84 | PASS |







| | | | |
|--------------|--|--------------------|--------------|
| EUT: | Dual Band Wireless AC1750 Gigabit Router | Model Name. : | XWR-1750 |
| Temperature: | 24 °C | Relative Humidity: | 60 % |
| Pressure: | 1016 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX N MODE -40MHz/ CH03, CH06, CH09-ANT 2 | | |

| Test Channel | Frequency (MHz) | Bandwidth (MHz) | Result |
|--------------|-----------------|-----------------|--------|
| CH03 | 2422 | 35.76 | PASS |
| CH06 | 2437 | 36.32 | PASS |
| CH09 | 2452 | 35.76 | PASS |

