

# 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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# REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
NEI-FCCP-3-1308C047	Original Issue.	Dec. 13, 2013

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#### 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, 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-3-1308C047) 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).

Test result included in this report is only for the 5745~5825MHz part of the product.

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# 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied 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)

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#### 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 for FCC: 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 expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %  $\circ$ 

#### A. Conducted Measurement:

Test Site	Method	Measurement Frequency ar	nge	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
		9KHz~30MHz	V	3.79	
		9KHz~30MHz	Н	3.57	
		30MHz ~ 200MHz	V	3.82	
		30MHz ~ 200MHz	Н	3.60	
DG-CB03	CISPR	200MHz ~ 1,000MHz	V	3.86	
DO-CD03	CIGITY	200MHz ~ 1,000MHz	Н	3.94	
		1GHz~18GHz	V	3.12	
		1GHz~18GHz	Н	3.68	
		18GHz~40GHz	V	4.15	
		18GHz~40GHz	Н	4.14	

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# 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 Different	N/A			
Product Description	Operation Frequency 5745~5825 MHz  Modulation Technology 802.11a/n:OFDM  Bit Rate of Transmitter 300Mbps  Number of Channel 5 CH, Please see note 2.(Page 10)  Antenna Designation Please see note 3.(Page 10)  Antenna Gain(Peak)  802.11a: 25.28dBm 802.11a: 25.28dBm 802.11a: (20M): 29.98dBm 802.11ac (20M): 29.96dBm 802.11ac (40M): 29.99dBm 802.11ac (40M): 29.93dBm 802.11ac (40M): 29.93dBm 802.11ac (80M): 29.64dBm  More details of EUT technical specification, please refer to the			
Power Source	DC Voltage supplied from AC/DC adapter. Brand/Model:HOIOTO/ADS-40FSG-12 12030GPCU			
Power Rating	I/P 100-240V~50-60Hz N	1ax. 1.0A O/P 12V 2.5A		

#### Note

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

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2.

802.11a / 802.11n 20M/802.11ac 20M					
Channel Frequency (MHz) Channel Frequency (MHz) Frequency (MHz)					
149	5745	153	5765	157	5785
161	5805	165	5825		

802.11n 40M/802.11ac 40M					
Channel	Frequency (MHz)	Channel	Frequency (MHz)		
151	5755	159	5795		

802.11ac 80M				
Channel	Frequency (MHz)			
155	5775			

# 3. Table for Filed Antenna

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
0	LUXUL	Q5100	Dipole Antenna	N/A	5.0
1	LUXUL	Q5100	Dipole Antenna	N/A	5.0
2	LUXUL	Q5100	Dipole Antenna	N/A	5.0

The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and thee receivers (3T3R). all transmit signals are completely uncorrelated, then, **Direction gain = G**<sub>ANT</sub>, that is Directional gain=5.

4.

Operating Mode	1TX	3TX
802.11a	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)
802.11ac(20MHz)	-	V (ANT 0 + ANT 1 + ANT 2)
802.11ac(40MHz)	-	V (ANT 0 + ANT 1 + ANT 2)
802.11ac(80MHz)	-	V (ANT 0 + ANT 1 + ANT 2)

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#### 3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible 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 A Mode Channel 149/157/165
Mode 2	TX N20 Mode Channel 149/157/165
Mode 3	TX N40 Mode Channel 151/159
Mode 4	TX AC N20 Mode Channel 149/157/165
Mode 5	TX AC N40 Mode Channel 151/159
Mode 6	TX AC N80 Mode Channel 155
Mode 7	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 7	TX Mode	

For Radiated Test			
Final Test Mode	Description		
Mode 1	TX A Mode Channel 149/157/165		
Mode 2	TX N20 Mode Channel 149/157/165		
Mode 3	TX N40 Mode Channel 151/159		
Mode 4	TX AC N20 Mode Channel 149/157/165		
Mode 5	TX AC N40 Mode Channel 151/159		
Mode 6	TX AC N80 Mode Channel 155		

Note: For Radiated Below 1G test, the 802.11a and 802.11ac N20 mode is found to be the worst case and recorded.

#### Note:

(1) The measurements are performed at the high, middle, low available channels.

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# 3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

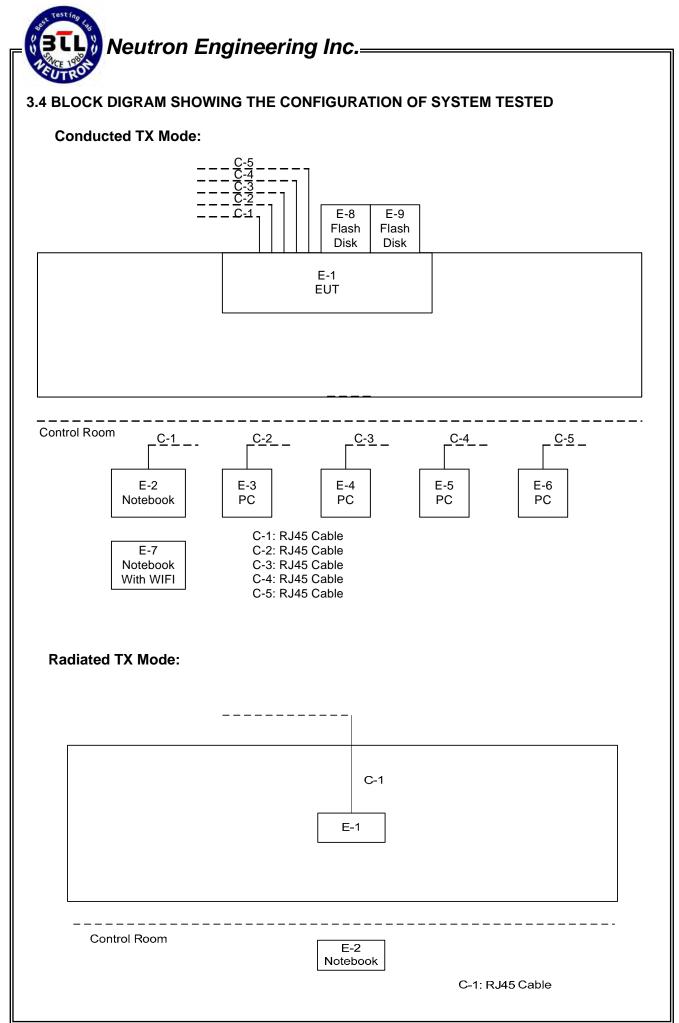
During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final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

	1			
Test software version	MTool_2.0.0.3.exeP			
Frequency	5745 MHz	5785 MHz	5825MHz	
TX A Mode	70	74	78	
TX N20 Mode	68	72	76	
TX AC N20 Mode	68	72	78	

Test software version	MTool_2.0.0.3.exeP		
Frequency	5745 MHz 5825MHz		
TX N40 Mode	68 74		
TX AC N40 Mode	68	74	

Test software version	MTool_2.0.0.3.exeP		
Frequency	5775 MHz		
TX AC N80 Mode	72		

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#### 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	JX193A01SD C2	
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	7AN0AS3013 31	
E-8	Flash Disk	Kingston	DTI/1GB	DOC	520B21E4-81 9957C	
E-9	Flash Disk	Kingston	DTI/1GB	DOC	39621564-014 D517	

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

#### Note:

(1) For detachable type I/O cable should be specified the length in m in <code>"Length\_"</code> column.

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# 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	
FREQUENCT (MHZ)	Quasi-peak	Average	Quasi-peak	Average	Statiuatu	
0.15 -0.5	79.0	66.0	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	

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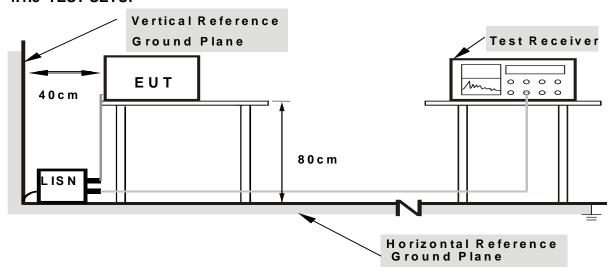
#### **4.1.3 TEST PROCEDURE**

- a. 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.
- b. 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.
- c. 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.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. 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 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 was programmed to be in continuously transmitting/TX mode.

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# 4.1.7 TEST RESULTS

R	e	m	а	r	k	
1	u		ш	ш	ı	,

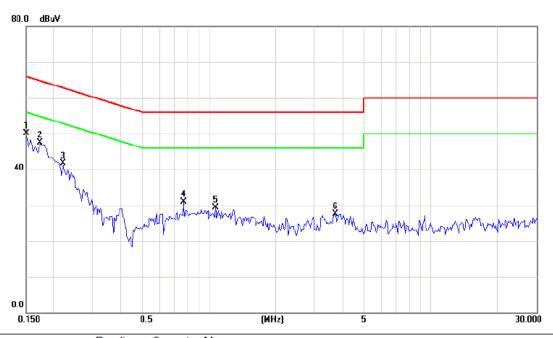
(1) All readings are QP Mode value unless otherwise stated AVG in column of Note ... If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform on this case, a " \* " marked in AVG Mode column of Interference Voltage Measured on the North AVG Mode column of Interference Voltage Measured on

(	(2)	Measuring	frequency	range from	150KHz to	30MHz

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EUT:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	50 %
Test Power:	AC 120V/60Hz	Phase:	Line
Test Mode:	TX Mode		

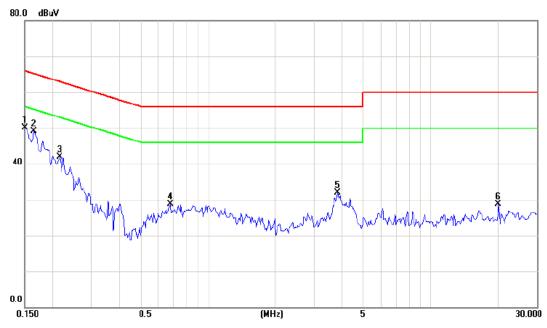


	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
_			MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
	1	*	0.1500	40.42	9.63	50.05	66.00	-15.95	peak	
-	2		0.1734	37.90	9.63	47.53	64.80	-17.27	peak	
_	3		0.2203	32.12	9.65	41.77	62.81	-21.04	peak	
-	4		0.7672	21.21	9.72	30.93	56.00	-25.07	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	
-										

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EUT:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	50 %
Test Power:	AC 120V/60Hz	Phase:	Neutral
Test Mode:	TX Mode		



No	. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	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	

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#### 4.2 RADIATED EMISSION MEASUREMENT

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

20dB 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.

Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(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)

Fraguency (MHz)	(dBuV/m) (at 3 meters)		
Frequency (MHz)	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).

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# 4.2.2 MEASUREMENT INSTRUMENTS LIST ANS 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	СТ	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.

Spectrum Parameter	Setting		
Attenuation	Auto		
Start Frequency	1000 MHz		
Stop Frequency	10th carrier harmonic		
RB / VB	AND I AND I for Dook A MULT / AND I for Average		
(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

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#### 4.2.3 TEST PROCEDURE

- a. The measuring distance of at 1.5 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. 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.
- c. 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.
- d. 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.
- e. 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.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

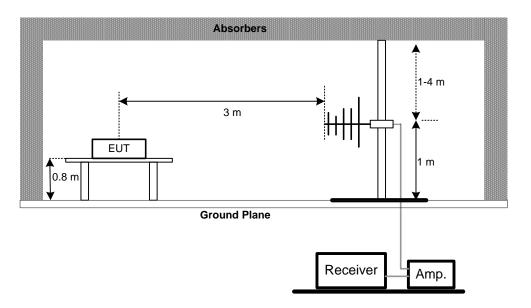
4.2.4 DEVIATION FROM TEST STANDARD
No deviation

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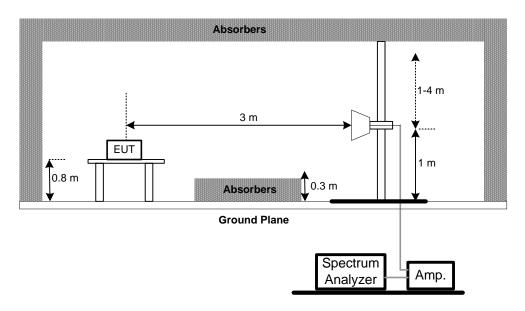


# 4.2.5 TEST SETUP

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



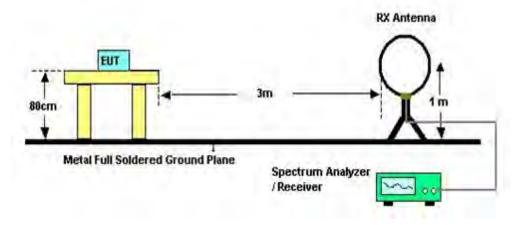
(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



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(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.

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# **4.2.7 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  $^{\circ}$
- (2) All readings are Peak unless otherwise stated QP in column of <code>『Note』</code>. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $\circ$
- (3) Measuring frequency range from 30MHz to 1000MHz o
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table  $\circ$

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<b> -</b>    •	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	25℃	Relative Humidity:	58 %
Test Voltage :	AC 120V/60Hz	Phase:	Vertical
Test Mode :	TX A Mode 5745MHz		



No	. M	lk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		21	2.3600	47.36	-15.20	32.16	43.50	-11.34	peak	
2	)	27	5.4100	51.97	-13.16	38.81	46.00	-7.19	peak	
3	}	49	2.6900	48.07	-10.13	37.94	46.00	-8.06	peak	
4	1	53	8.2800	46.37	-8.28	38.09	46.00	-7.91	peak	
5	*	83	3.1600	44.88	-3.49	41.39	46.00	-4.61	peak	
$\epsilon$	)	10	000.000	43.57	0.26	43.83	54.00	-10.17	peak	

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<b> -</b>    •	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	TX A Mode 5745MHz		

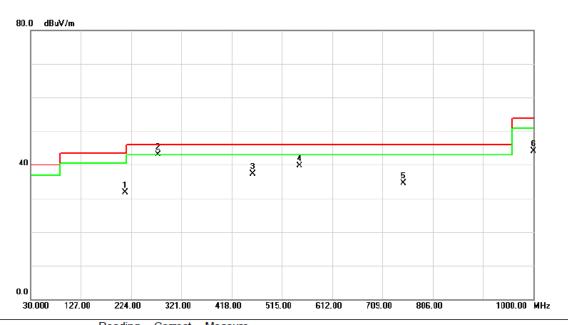


	No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
Ī	1		216.2400	47.77	-15.12	32.65	46.00	-13.35	peak	
_	2	*	276.3800	56.10	-13.03	43.07	46.00	-2.93	peak	
-	3		403.4500	46.86	-9.81	37.05	46.00	-8.95	peak	
_	4		719.6700	36.86	-4.85	32.01	46.00	-13.99	peak	
_	5		874.8700	35.43	-2.48	32.95	46.00	-13.05	peak	
-	6		960.2300	36.04	-0.37	35.67	54.00	-18.33	peak	

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IFIII:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	25℃	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode :	TX A Mode 5785MHz		

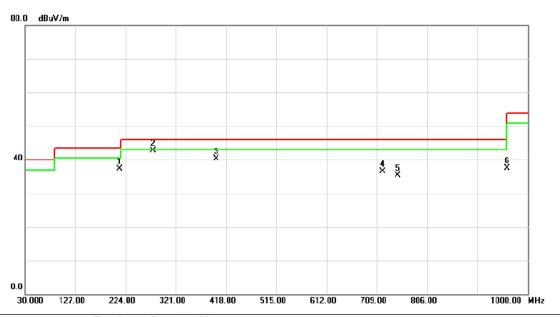


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		213.3300	46.87	-15.17	31.70	43.50	-11.80	peak	
2	*	276.3800	56.19	-13.03	43.16	46.00	-2.84	peak	
3		458.7400	46.56	-9.16	37.40	46.00	-8.60	peak	
4		548.9500	47.41	-7.70	39.71	46.00	-6.29	peak	
5		749.7400	39.37	-4.91	34.46	46.00	-11.54	peak	
6		1000.000	43.83	0.26	44.09	54.00	-9.91	peak	

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<b> -</b>    •	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	TX A Mode 5785MHz		

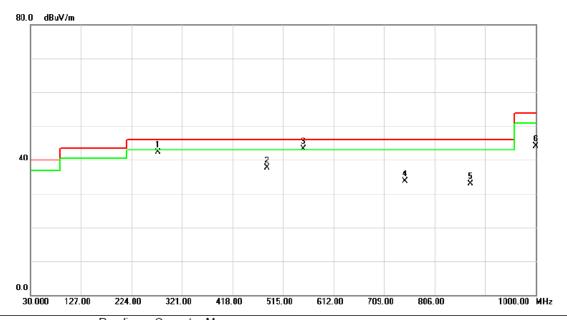


MHz         dBuV         dB         dBuV/m         dBuV/m         dB         Detector         Comment           1         213.3300         52.41         -15.17         37.24         43.50         -6.26         peak           2         * 277.3500         55.61         -12.89         42.72         46.00         -3.28         peak           3         399.5700         50.29         -9.89         40.40         46.00         -5.60         peak           4         719.6700         41.35         -4.85         36.50         46.00         -9.50         peak           5         749.7400         40.25         -4.91         35.34         46.00         -10.66         peak           6         960.2300         37.93         -0.37         37.56         54.00         -16.44         peak		No.	Mk	ζ.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
2 * 277.3500 55.61 -12.89 42.72 46.00 -3.28 peak 3 399.5700 50.29 -9.89 40.40 46.00 -5.60 peak 4 719.6700 41.35 -4.85 36.50 46.00 -9.50 peak 5 749.7400 40.25 -4.91 35.34 46.00 -10.66 peak	_				MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
3 399.5700 50.29 -9.89 40.40 46.00 -5.60 peak 4 719.6700 41.35 -4.85 36.50 46.00 -9.50 peak 5 749.7400 40.25 -4.91 35.34 46.00 -10.66 peak	_	1		213	3.3300	52.41	-15.17	37.24	43.50	-6.26	peak	
4 719.6700 41.35 -4.85 36.50 46.00 -9.50 peak 5 749.7400 40.25 -4.91 35.34 46.00 -10.66 peak	_	2	*	27	7.3500	55.61	-12.89	42.72	46.00	-3.28	peak	
5 749.7400 40.25 -4.91 35.34 46.00 -10.66 peak		3		399	9.5700	50.29	-9.89	40.40	46.00	-5.60	peak	
	_	4		719	9.6700	41.35	-4.85	36.50	46.00	-9.50	peak	
6 960.2300 37.93 -0.37 37.56 54.00 -16.44 peak	_	5		749	9.7400	40.25	-4.91	35.34	46.00	-10.66	peak	
		6		960	0.2300	37.93	-0.37	37.56	54.00	-16.44	peak	

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I⊢III.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	25℃	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	TX A Mode 5825MHz		

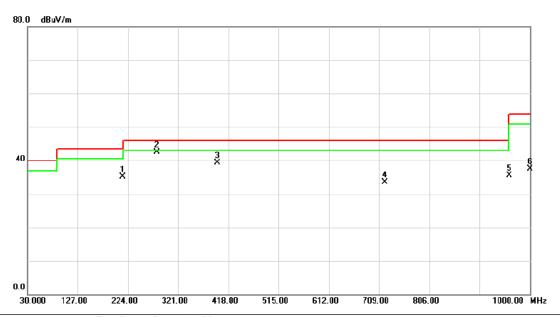


	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
_	1	2	275.4100	55.44	-13.16	42.28	46.00	-3.72	peak	
_	2	4	483.9600	47.61	-9.88	37.73	46.00	-8.27	peak	
_	3	* !	553.8000	50.92	-7.68	43.24	46.00	-2.76	peak	
_	4		749.7400	38.67	-4.91	33.76	46.00	-12.24	peak	
_	5	8	374.8700	35.37	-2.48	32.89	46.00	-13.11	peak	
_	6	,	1000.000	43.90	0.26	44.16	54.00	-9.84	peak	
_										

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<b> -</b>    •	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	25℃	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	TX A Mode 5825MHz		

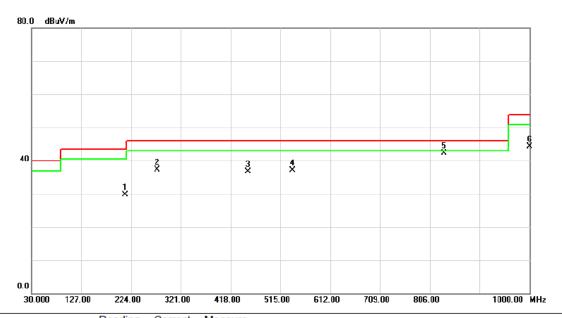


	No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
-			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
_	1		214.3000	50.32	-15.15	35.17	43.50	-8.33	peak	
_	2	*	280.2600	54.98	-12.52	42.46	46.00	-3.54	peak	
_	3		396.6600	49.29	-9.98	39.31	46.00	-6.69	peak	
_	4		719.6700	38.42	-4.85	33.57	46.00	-12.43	peak	
-	5		960.2300	35.91	-0.37	35.54	54.00	-18.46	peak	
-	6		1000.000	37.30	0.26	37.56	54.00	-16.44	peak	
_										

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IFIII:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	25℃	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode :	TX AC N20 Mode 5745MHz		

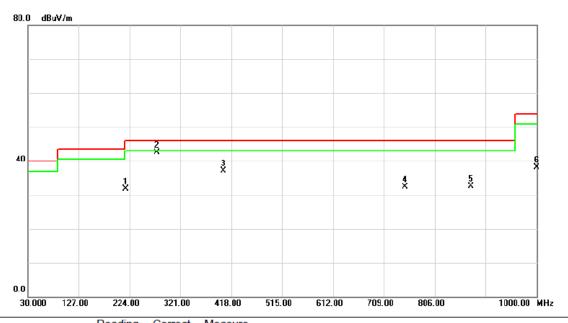


N	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1	2	212.3600	44.86	-15.20	29.66	43.50	-13.84	peak	
	2	2	275.4100	50.47	-13.16	37.31	46.00	-8.69	peak	
	3	4	151.9500	45.62	-8.97	36.65	46.00	-9.35	peak	
	4	5	38.2800	45.37	-8.28	37.09	46.00	-8.91	peak	
	5	* 8	33.1600	45.88	-3.49	42.39	46.00	-3.61	peak	
	6	1	000.000	44.07	0.26	44.33	54.00	-9.67	peak	

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<b> -</b>    •	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	TX AC N20 Mode 5745MHz		

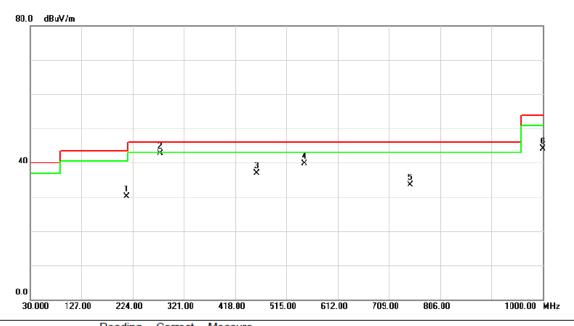


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		216.2400	46.77	-15.12	31.65	46.00	-14.35	peak	
2	*	276.3800	55.60	-13.03	42.57	46.00	-3.43	peak	
3		403.4500	46.86	-9.81	37.05	46.00	-8.95	peak	
4		749.7400	37.22	-4.91	32.31	46.00	-13.69	peak	
5		874.8700	34.93	-2.48	32.45	46.00	-13.55	peak	
6		1000.000	37.89	0.26	38.15	54.00	-15.85	peak	

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I⊢III.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	25℃	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode :	TX AC N20 Mode 5785MHz		

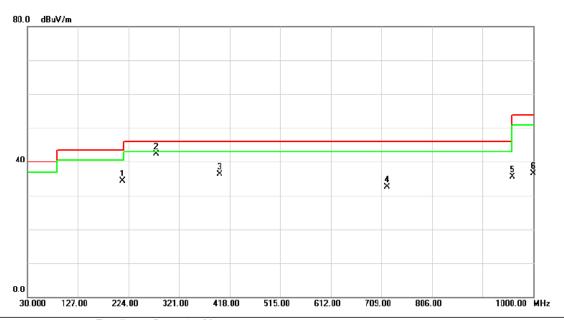


No.	Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		213.3300	45.37	-15.17	30.20	43.50	-13.30	peak	
2	*	276.3800	55.69	-13.03	42.66	46.00	-3.34	peak	
3		458.7400	46.06	-9.16	36.90	46.00	-9.10	peak	
4		548.9500	47.41	-7.70	39.71	46.00	-6.29	peak	
5		749.7400	38.37	-4.91	33.46	46.00	-12.54	peak	
6		1000.000	43.83	0.26	44.09	54.00	-9.91	peak	

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IFIII:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750	
Temperature:	25℃	Relative Humidity:	58 %	
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal	
Test Mode :	TX AC N20 Mode 5785MHz			

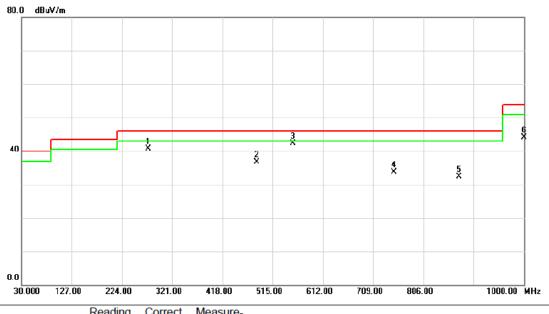


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		213.3300	49.41	-15.17	34.24	43.50	-9.26	peak	
2	*	277.3500	55.11	-12.89	42.22	46.00	-3.78	peak	
3		399.5700	46.29	-9.89	36.40	46.00	-9.60	peak	
4		719.6700	37.35	-4.85	32.50	46.00	-13.50	peak	
5		960.2300	35.93	-0.37	35.56	54.00	-18.44	peak	
6		1000.000	36.16	0.26	36.42	54.00	-17.58	peak	

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IFIII:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	25℃	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode :	TX AC N20 Mode 5825MHz		



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1	2	75.4100	53.94	-13.16	40.78	46.00	-5.22	peak	
_	2	4	83.9600	46.61	-9.88	36.73	46.00	-9.27	peak	
-	3	* 5	53.8000	49.92	-7.68	42.24	46.00	-3.76	peak	
_	4	7	49.7400	38.67	-4.91	33.76	46.00	-12.24	peak	
_	5	8	74.8700	34.87	-2.48	32.39	46.00	-13.61	peak	
_	6	1	000.000	43.90	0.26	44.16	54.00	-9.84	peak	

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<b> -</b>    •	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	TX AC N20 Mode 5825MHz		



	No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
-			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
-	1		214.3000	50.32	-15.15	35.17	43.50	-8.33	peak	
_	2	*	280.2600	54.98	-12.52	42.46	46.00	-3.54	peak	
-	3		396.6600	49.29	-9.98	39.31	46.00	-6.69	peak	
-	4		719.6700	38.42	-4.85	33.57	46.00	-12.43	peak	
-	5		874.8700	36.32	-2.48	33.84	46.00	-12.16	peak	
-	6		960.2300	35.91	-0.37	35.54	54.00	-18.46	peak	
-										

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# 4.2.8 TEST RESULTS (ABOVE 1000 MHZ)

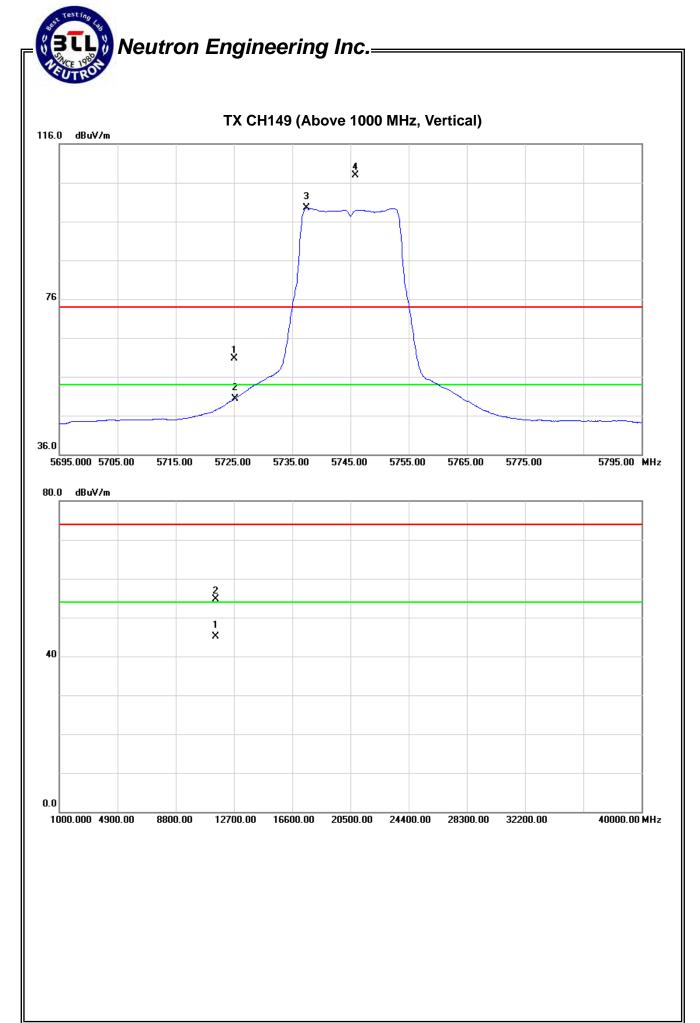
H-111.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX A Mode 5745MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	Ad	Act.		Limit		
гтец.	AHLFOI.	Peak	AV		Peak	AV	Peak	AV	Note	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
#5725.00	V	16.29	5.89	44.34	60.63	50.23	87.85	79.44	X/E	
5745.90	V	63.46	55.05	44.39	107.85	99.44			X/F	
11496.05	V	36.17	26.70	18.49	54.66	45.19	74.00	54.00	X/H	

# Remark:

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (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 o
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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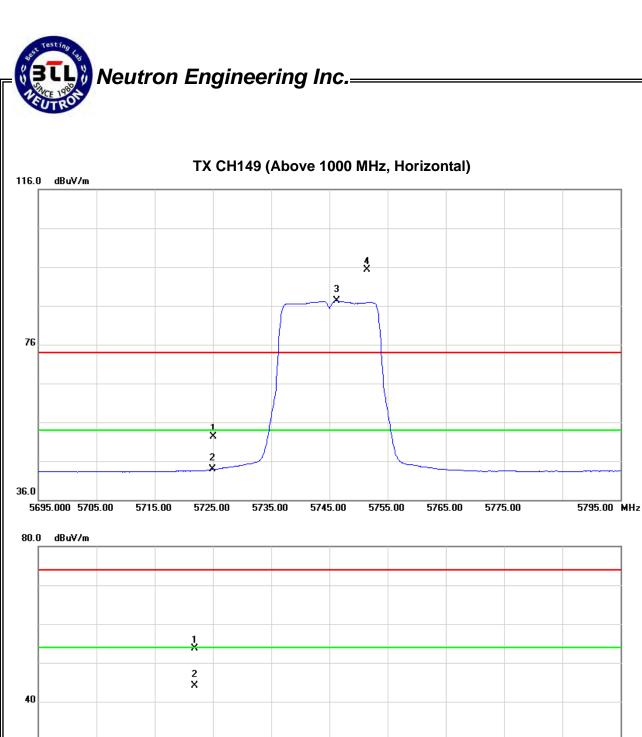
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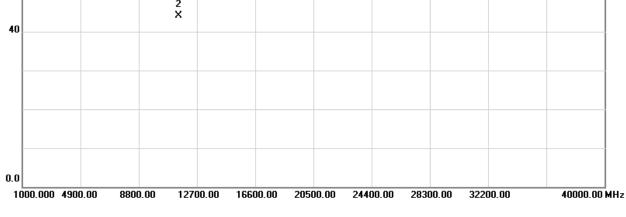
IF111:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX A Mode 5745MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	A	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
# 5725.00	H	8.06	-0.49	44.34	52.40	43.85	75.28	67.25	X/E	
5751.40	Н	50.86	42.83	44.42	95.28	87.25			X/F	
11485.70	Н	35.24	25.65	18.47	53.71	44.12	74.00	54.00	X/H	

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency of 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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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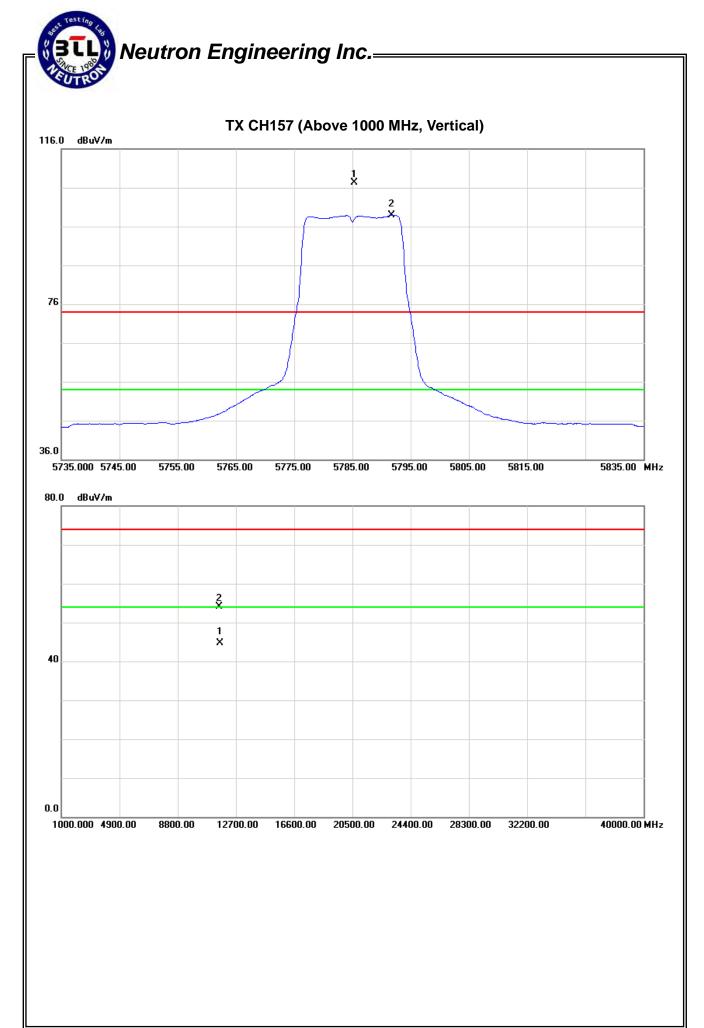
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IF111.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode:	TX A Mode 5785MHz		

Freq.	Ant.Pol.	Reading Ant./CF		Act.		Limit			
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5785.30	V	62.84	54.34	44.56	107.40	98.90			X/F
11574.20	V	35.43	25.94	18.67	54.10	44.61	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (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  $\circ$
- (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

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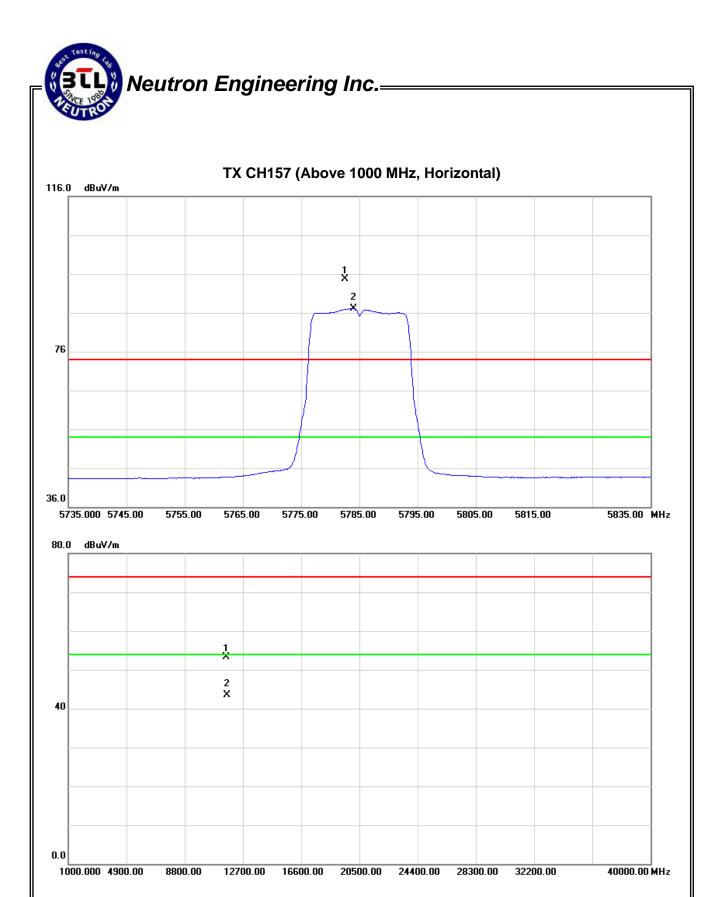


I⊢III <sup>.</sup>	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX A Mode 5785MHz		

Freq.	Ant.Pol.	Reading Ar		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5782.50	Н	50.23	42.56	44.55	94.78	87.11			X/F
11572.50	Н	34.56	24.86	18.67	53.23	43.53	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  ${}^{\mathbb{F}}$ Note ${}_{\mathbb{J}}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  ${}^{\circ}$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency of 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 o
- (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

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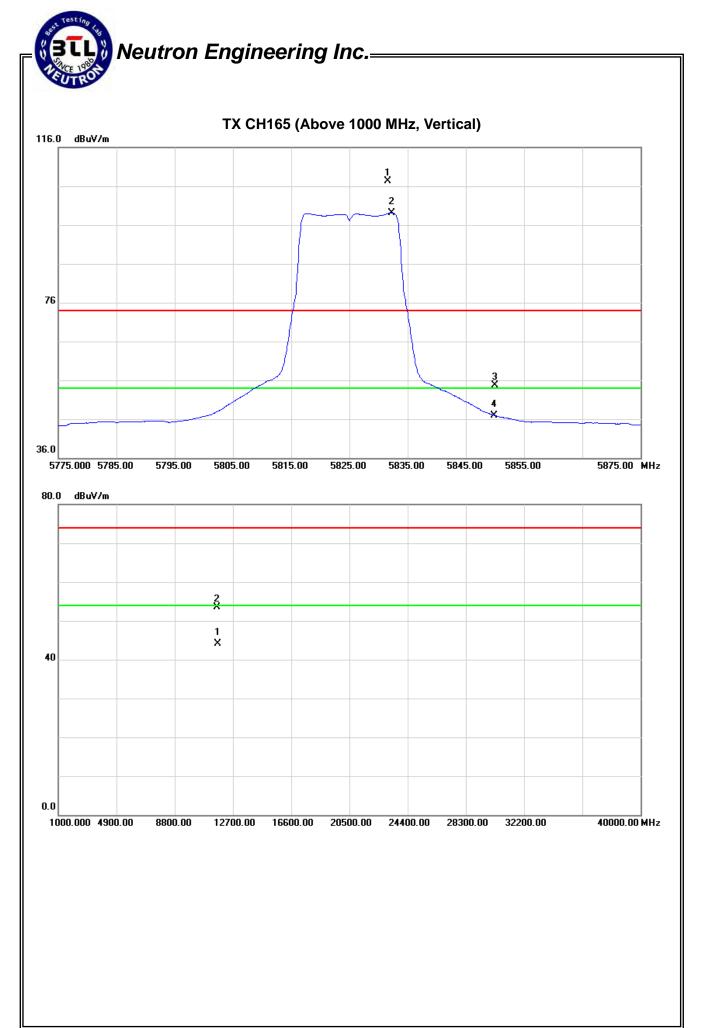


IF111.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX A Mode 5825MHz		

Freq.	Ant.Pd.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5831.60	V	62.63	54.32	44.71	107.34	99.03			X/F
#5850.00	V	9.92	2.17	44.78	54.70	46.95	87.34	79.03	X/E
11653.50	V	34.72	25.31	18.87	53.59	44.18	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  ${}^{\mathbb{F}}$ Note ${}_{\mathbb{J}}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  ${}_{\circ}$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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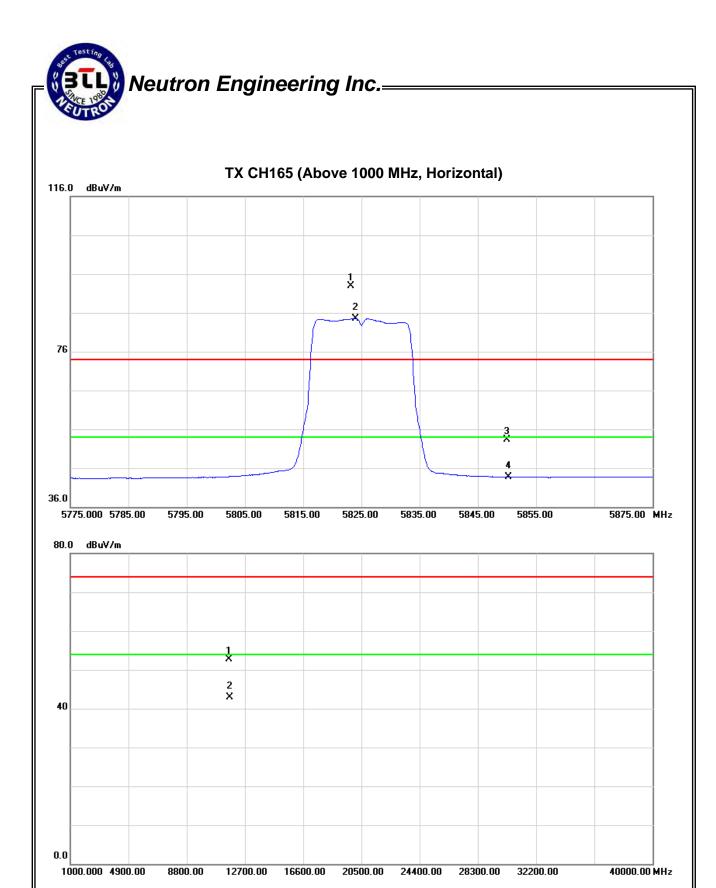


EUT:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode:	TX A Mode 5825MHz		

Freq.	Ant.Pd.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5823.20	Н	48.12	39.81	44.69	92.81	84.50			X/F
#5850.00	Н	8.62	-1.12	44.78	53.40	43.66	72.81	64.50	X/E
11652.00	Н	33.84	24.13	18.87	52.71	43.00	74.00	54.00	X/H

- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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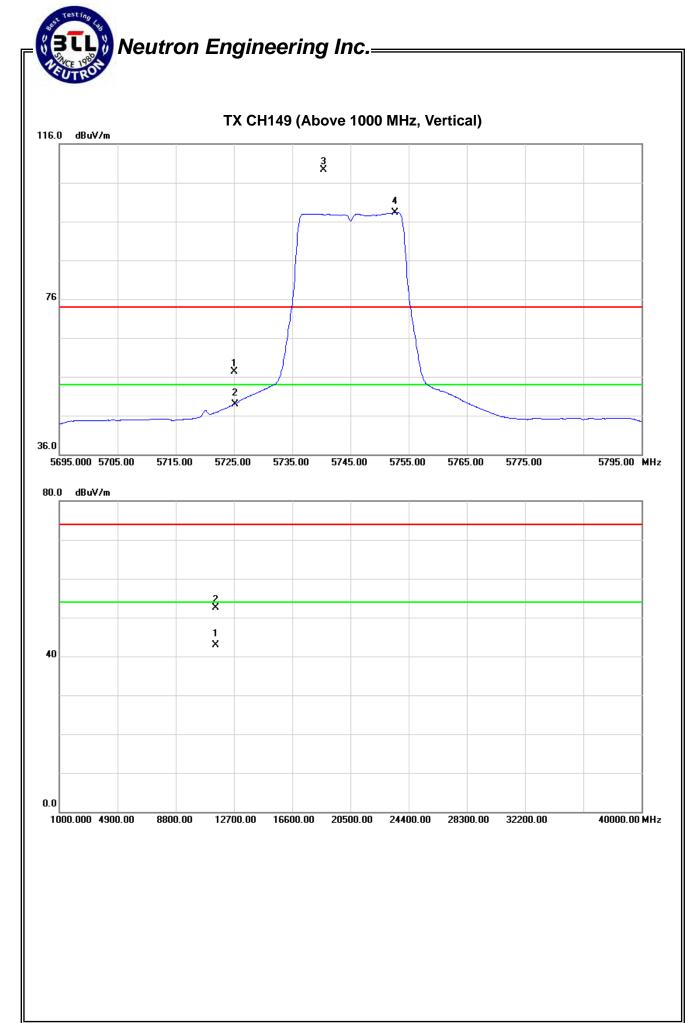


IF111:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 Mode 5745MHz		

Freq. Ant.Pol.	Ant Dol	Reading		Ant./CF	Ant./CF Act.		Lir		
r req.	AIII.FUI.	Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
# 5725.00	V	12.92	4.57	44.34	57.26	48.91	89.33	78.29	X/E
5740.40	V	64.93	53.89	44.40	109.33	98.29			X/F
11483.10	V	34.05	24.51	18.44	52.49	42.95	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  ${}^{\mathbb{F}}$ Note $_{\mathbb{J}}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $\circ$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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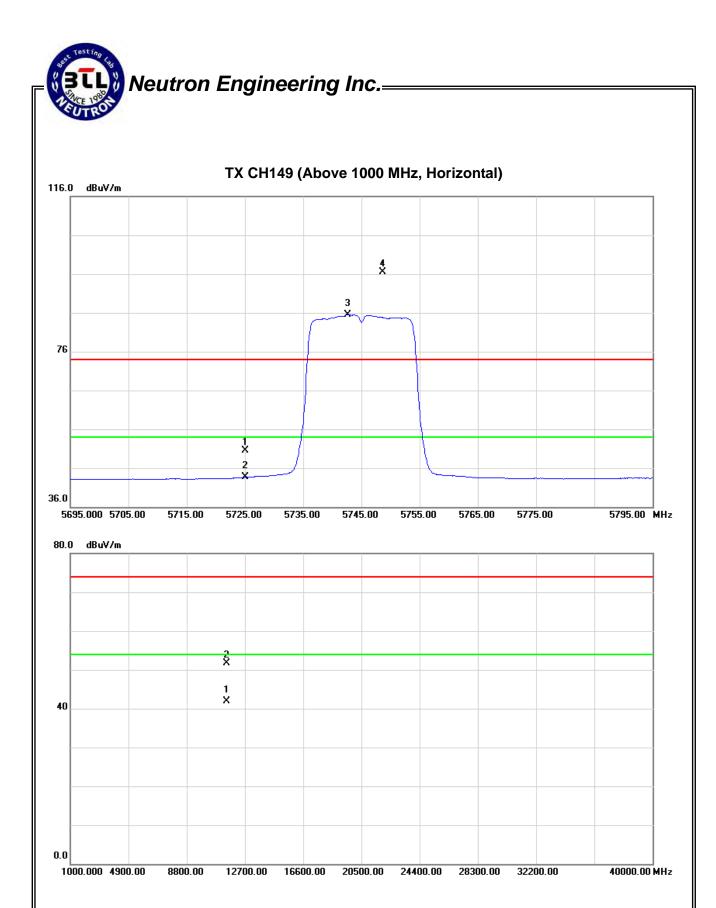


IF111:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 Mode 5745MHz		

Freq. /	Ant.Pol.	Rea	ding	Ant./CF	A	ct.	Lir	nit	
rieq.	AHL.FUI.	Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
# 5725.00	Н	6.12	-0.71	44.34	50.46	43.63	76.52	65.55	X/E
5748.70	Н	52.09	41.12	44.43	96.52	85.55			X/F
11486.50	Н	33.25	23.48	18.46	51.71	41.94	74.00	54.00	X/H

- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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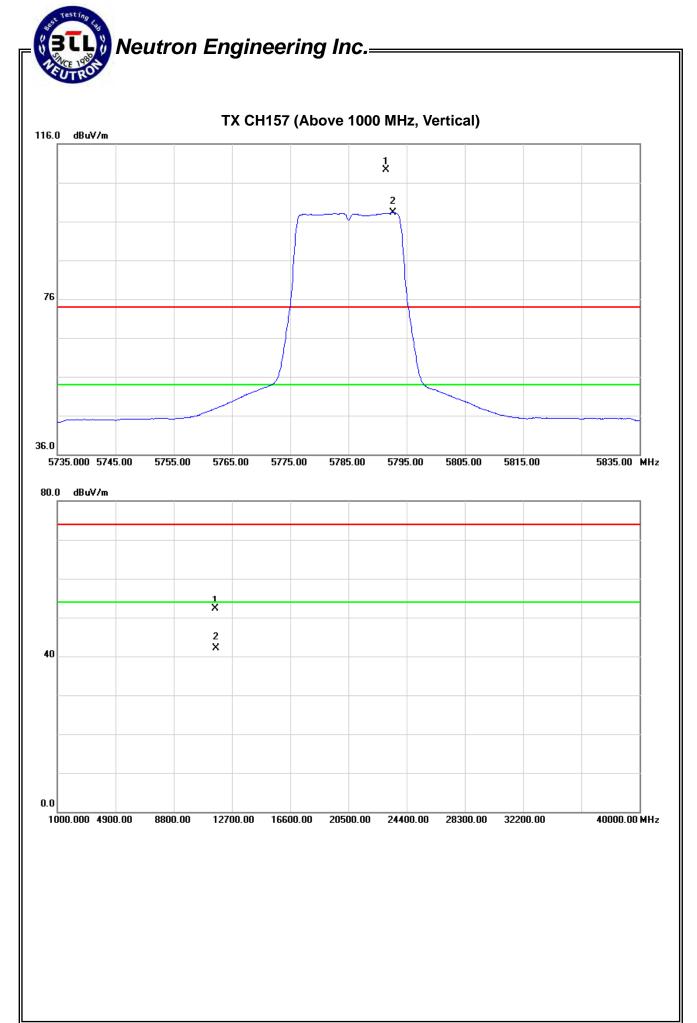


IF111.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 Mode 5785MHz		

Freq. Ant.Po	Ant Dol	Ant.Pol. Reading		Ant./CF	A	Act.		Limit		
rieq.	AHL.FUL	Peak	AV		Peak	AV	Peak	AV	Note	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
5791.50	V	64.64	53.70	44.57	109.21	98.27			X/F	
11574.50	V	33.69	23.51	18.67	52.36	42.18	74.00	54.00	X/H	

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$  Note $_{
  m l}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m o}$
- (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  $\circ$
- (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

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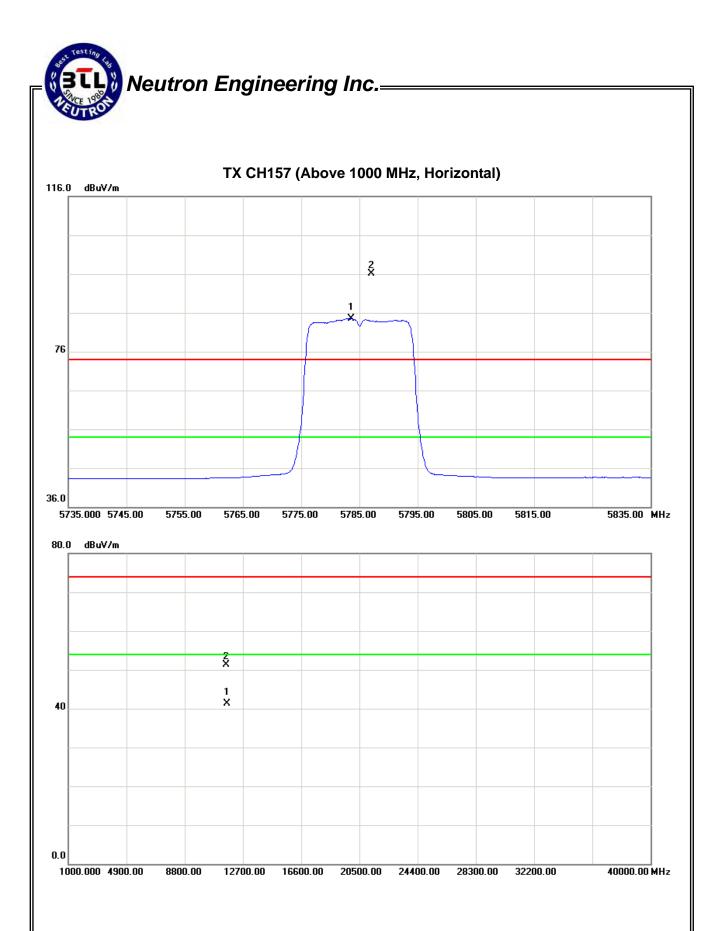


IF111.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 Mode 5785MHz		

Freq. Ant.Pol.	Ant Pol	Reading /		Ant./CF	Act.		Lir		
rieq.	AHLFOI.	Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5787.10	Н	51.63	39.90	44.55	96.18	84.45			X/F
11574.00	Н	32.59	22.57	18.67	51.26	41.24	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  ${}^{\mathbb{F}}$ Note  ${}_{\mathbb{J}}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  ${}^{\circ}$
- (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  $\circ$
- (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

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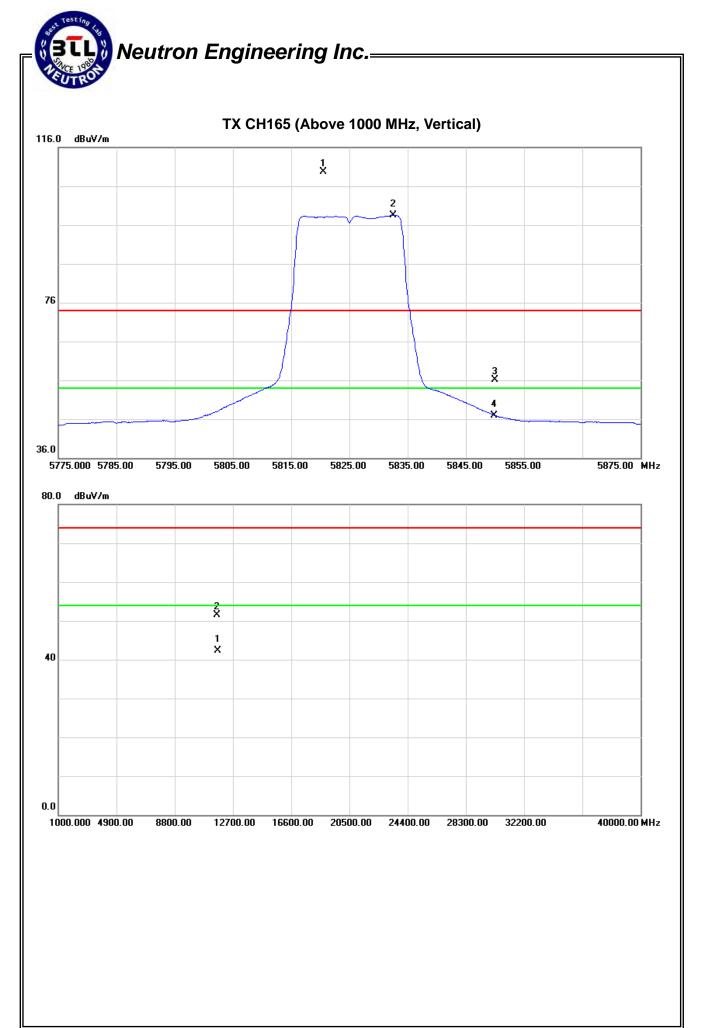


I⊢III.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode:	TX N20 Mode 5825MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5820.50	V	64.99	53.88	44.67	109.66	98.55			X/F
#5850.00	V	11.27	2.18	44.78	56.05	46.96	89.66	78.55	X/E
11653.10	V	32.69	23.42	18.87	51.56	42.29	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  ${}^{\mathbb{F}}$ Note ${}_{\mathbb{J}}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  ${}_{\circ}$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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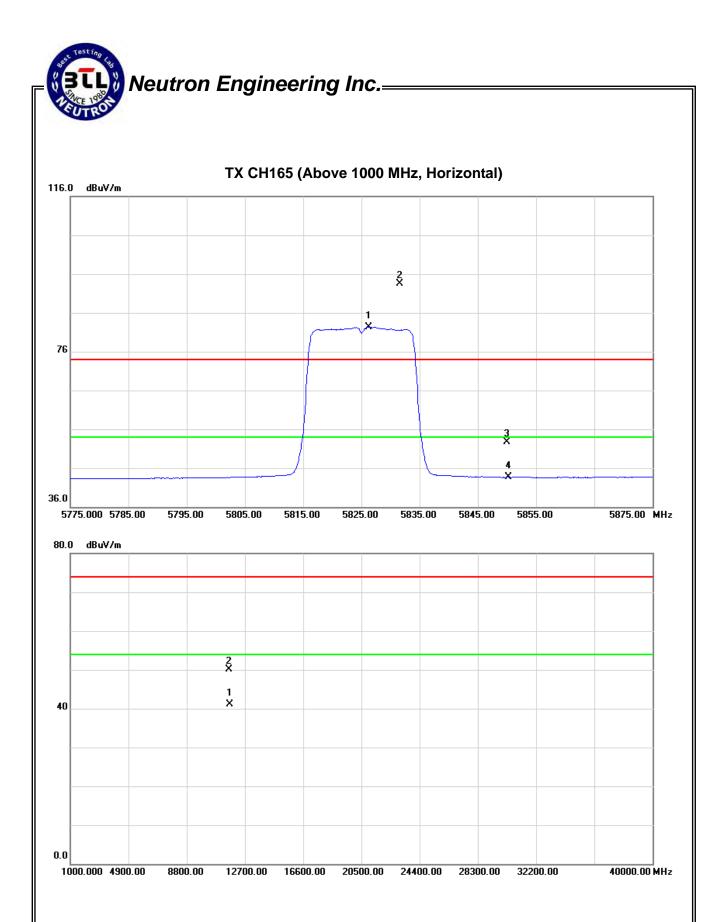


FIII.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 Mode 5825MHz		

Freq.	Ant.Pd.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5831.60	Н	48.77	37.67	44.70	93.47	82.37			X/F
#5850.00	Н	7.96	-1.17	44.78	52.74	43.61	73.47	62.37	X/E
11654.80	Н	31.25	22.28	18.88	50.13	41.16	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency of 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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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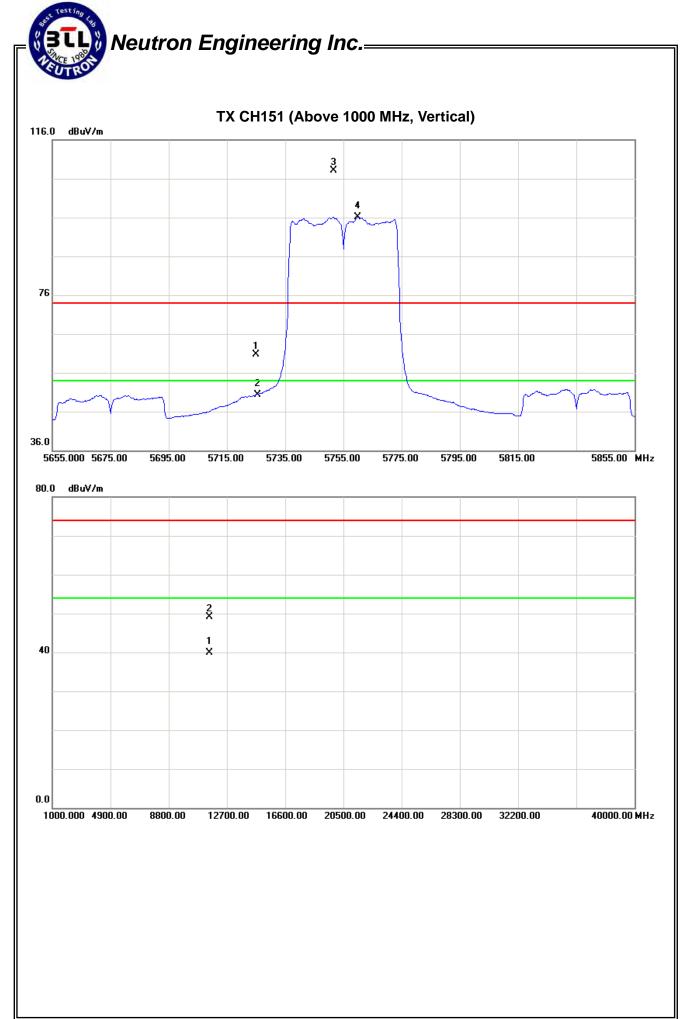


IF111:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40 Mode 5755MHz		

Freq. Ant.Pol.	Ant Pol	Reading		Ant./CF	Ac	Act.		Limit		
1 164.	Ant.i Oi.	Peak	AV		Peak	AV	Peak	AV	Note	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
# 5725.00	V	16.36	6.01	44.34	60.70	50.35	88.17	76.06	X/E	
5751.60	٧	63.73	51.62	44.44	108.17	96.06			X/F	
11516.40	V	30.47	21.39	18.54	49.01	39.93	74.00	54.00	X/H	

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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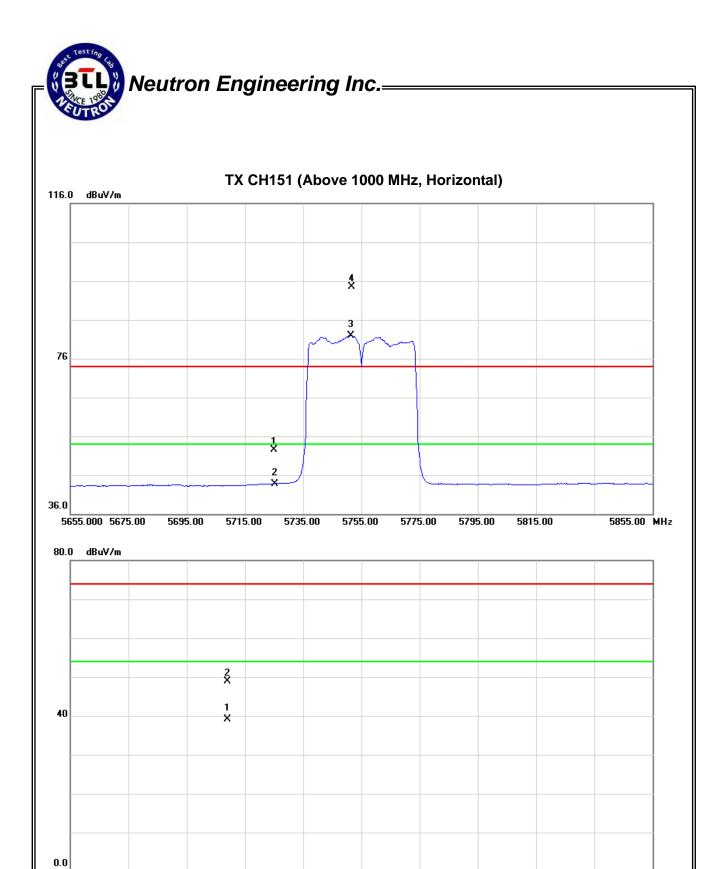
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FIII.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40 Mode 5755MHz		

Freq. Ant.Pol	Ant Dol	Reading		Ant./CF	Ac	Act.		Limit		
r req.	AHLFUL	Peak	AV		Peak	AV	Peak	AV	Note	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
# 5725.00	Н	8.12	-0.55	44.34	52.46	43.79	74.51	61.92	X/E	
5751.60	Н	50.07	37.48	44.44	94.51	81.92			X/F	
11512.90	Н	30.45	20.59	18.52	48.97	39.11	74.00	54.00	X/H	

- (1) All readings are Peak unless otherwise stated QP in column of  ${}^{\mathbb{F}}$ Note  ${}_{\mathbb{J}}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  ${}^{\circ}$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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12700.00 16600.00 20500.00 24400.00 28300.00 32200.00

40000.00 MHz

1000.000 4900.00

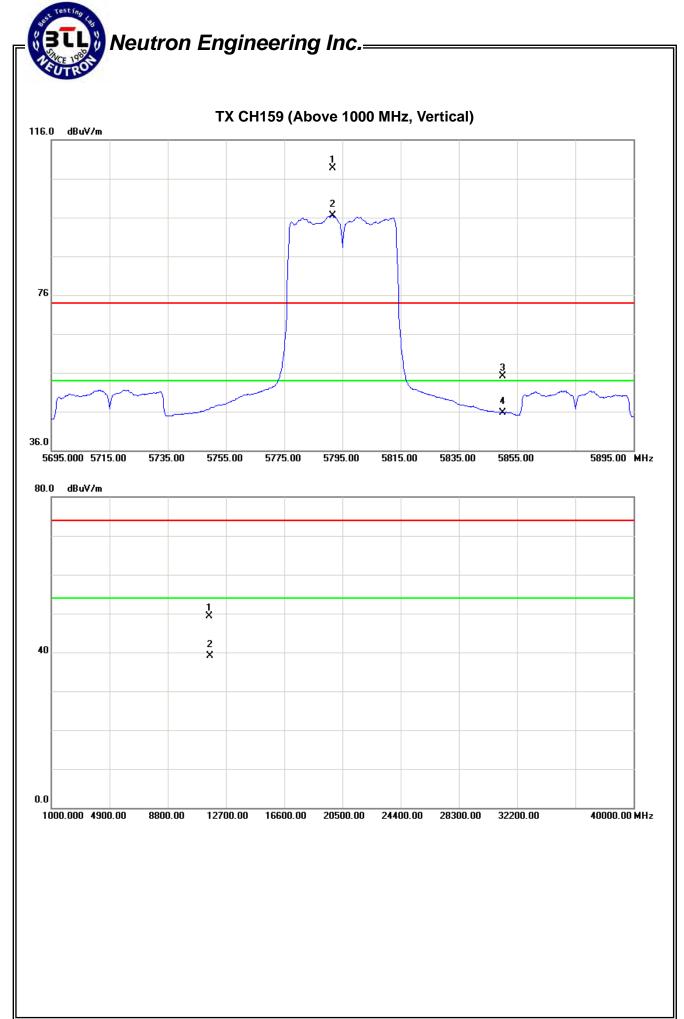
8800.00

FIII.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode:	TX N40 Mode 5795MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5791.60	V	64.19	51.86	44.57	108.76	96.43			X/F
#5850.00	V	10.41	1.00	44.78	44.78	45.78	88.76	76.43	X/E
11592.50	V	30.51	20.39	18.72	49.23	39.11	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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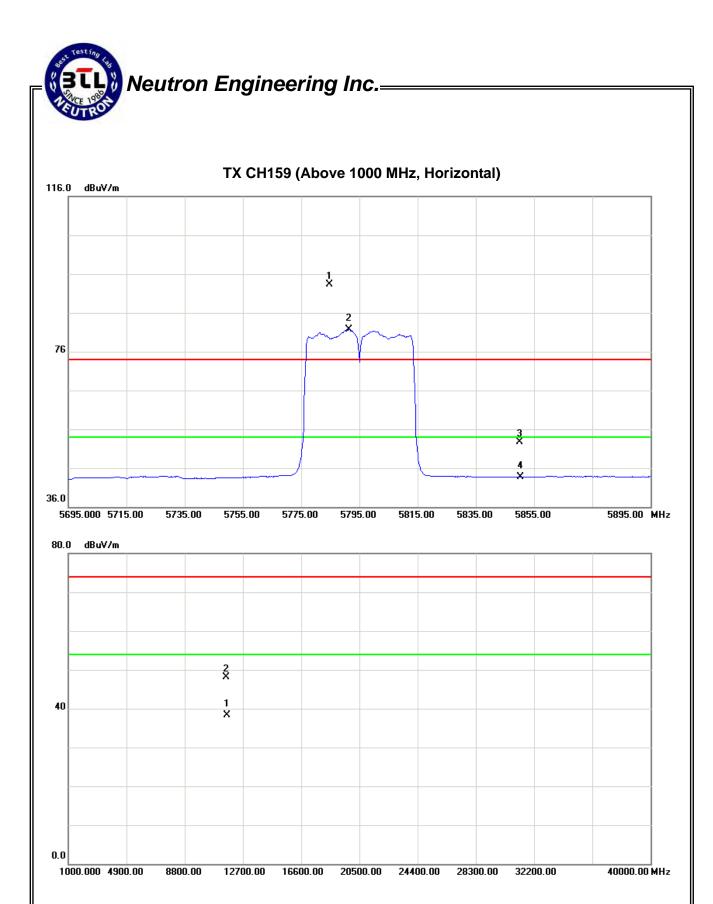


FIII.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40 Mode 5795MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5784.60	Н	48.74	37.12	44.55	93.29	81.67			X/F
#5850.00	Н	7.88	-1.10	44.78	52.66	43.68	73.29	61.67	X/E
11593.10	Η	29.48	19.64	18.72	48.20	38.36	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  ${}^{\mathbb{F}}$ Note $_{\mathbb{J}}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $\circ$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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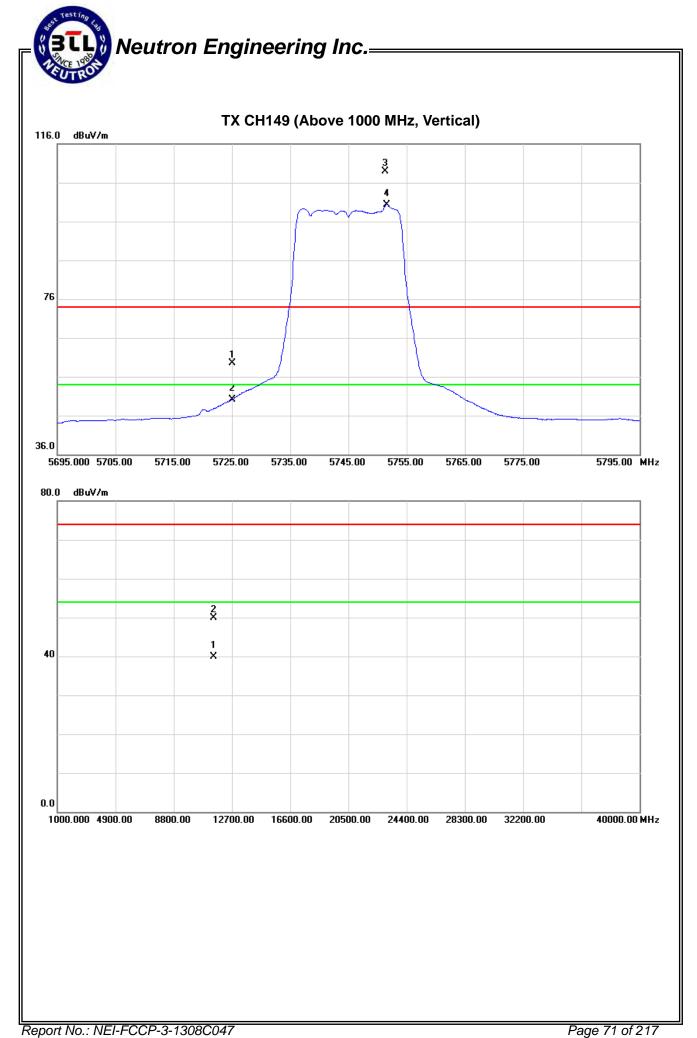


IF111.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode:	TX AC N20 Mode 5745MHz		

Freq. Ant.Po	Ant.Pol.	Reading		Ant./CF Act.		Lir			
r req.	AIII.FUI.	Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
# 5725.00	V	15.22	5.70	44.34	59.56	50.04	88.88	80.40	X/E
5751.30	V	64.44	55.96	44.44	108.88	100.40			X/F
11487.20	V	31.48	21.53	18.45	49.93	39.98	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  ${}^{\mathbb{F}}$ Note ${}_{\mathbb{J}}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  ${}^{\circ}$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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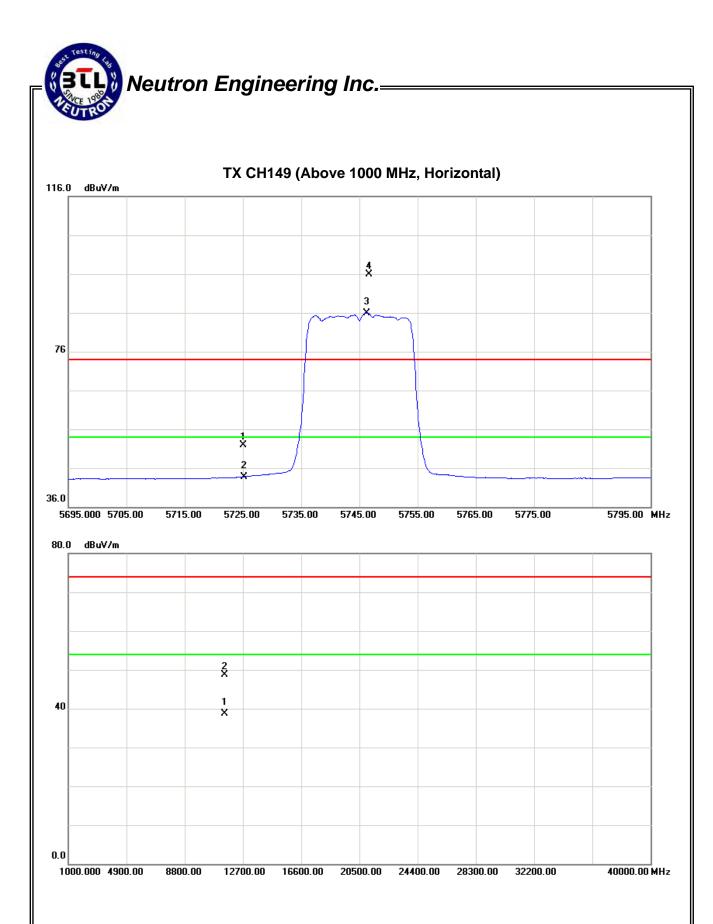
Report No.: NEI-FCCP-3-1308C047

I⊢III.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC N20 Mode 5745MHz		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
# 5725.00	Н	7.53	-0.59	44.34	51.87	43.75	75.95	65.98	X/E
5746.60	Н	51.53	41.56	44.42	95.95	85.98			X/F
11483.50	Н	30.29	20.17	18.44	48.73	38.61	74.00	54.00	X/H

- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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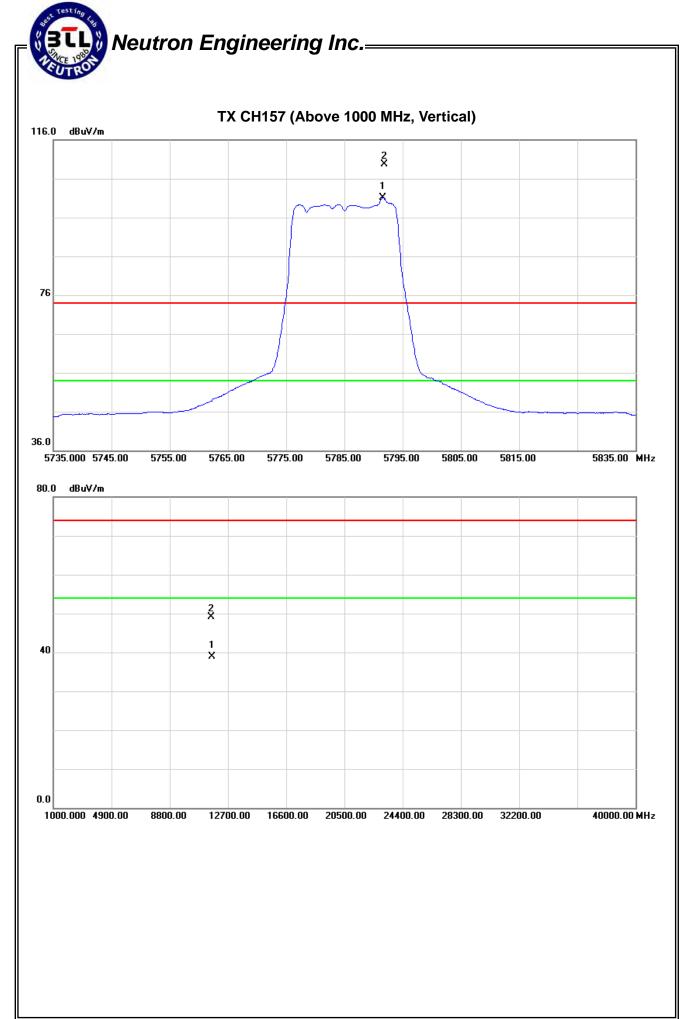


H-111'	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode:	TX AC N20 Mode 5785MHz		

Freq. Ar	Ant.Pol.	Reading		Ant./CF	Act.		Lir		
rieq.	AHL.FUL	Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5791.80	V	65.11	56.60	44.57	109.68	101.17			X/F
11574.90	V	30.43	20.28	18.67	49.10	38.95	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$  Note $_{
  m l}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m o}$
- (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  $\circ$
- (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

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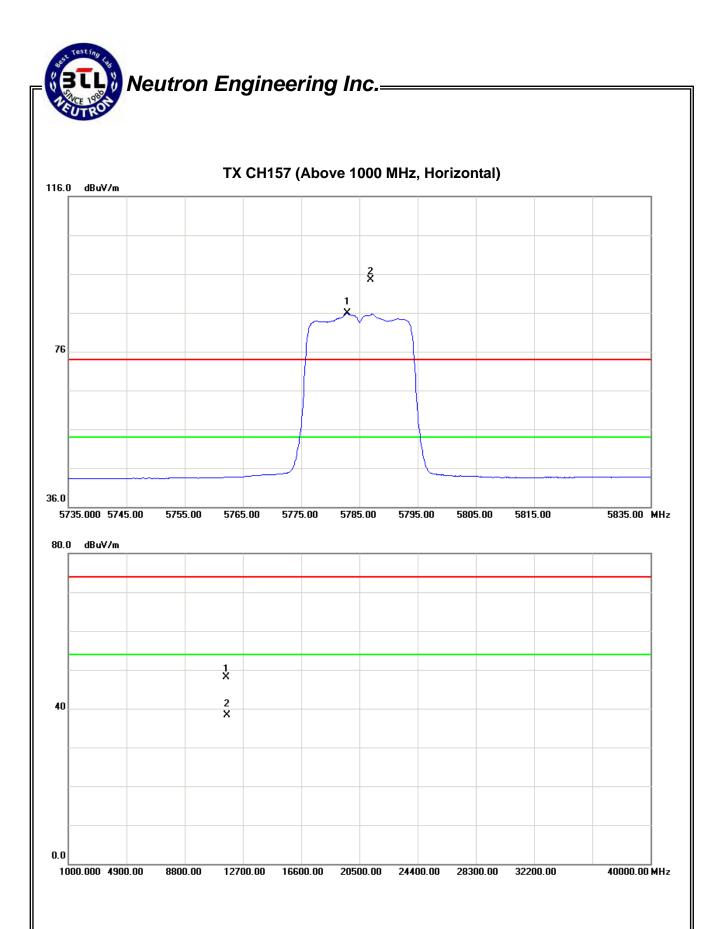


I⊢III.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC N20 Mode 5785MHz		

Freq. A	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
r req.	AIII.FUI.	Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5786.90	Н	49.89	41.27	44.55	94.44	85.82			X/F
11573.00	Н	29.46	19.58	18.67	48.13	38.25	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$  Note $_{
  m l}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m o}$
- (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  $\circ$
- (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

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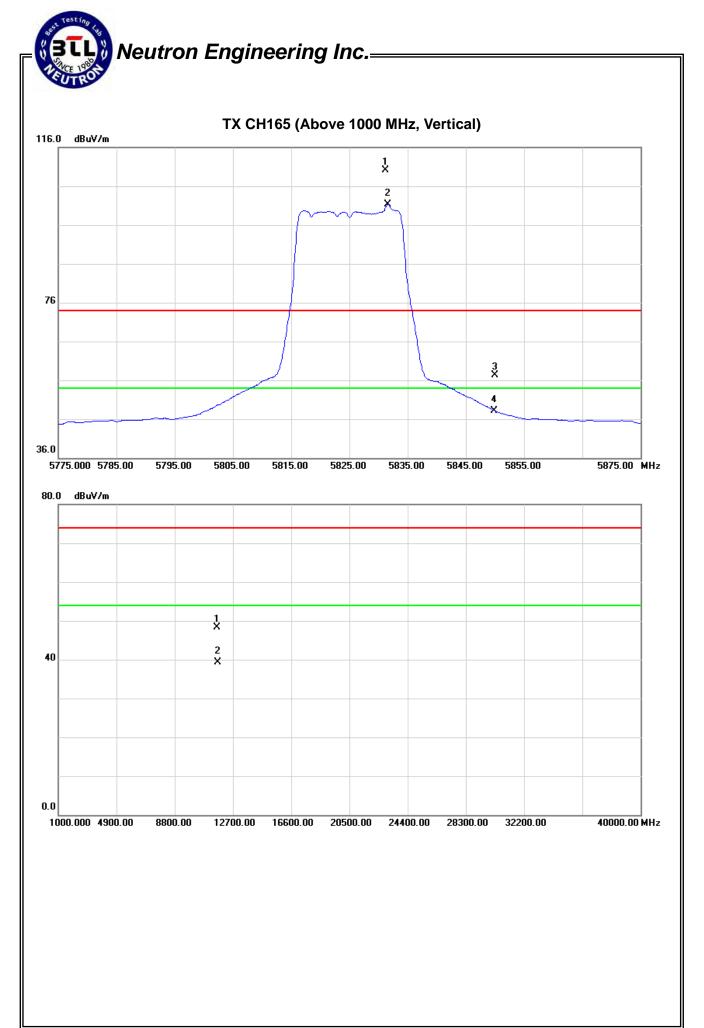


IF111:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode:	TX AC N20 Mode 5825MHz		

Freq.	Ant.Pd.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5831.20	V	65.37	56.59	44.71	110.08	101.30			X/F
#5850.00	V	12.53	3.42	44.78	57.31	48.20	90.08	81.30	X/E
11652.10	V	29.48	20.37	18.87	48.35	39.24	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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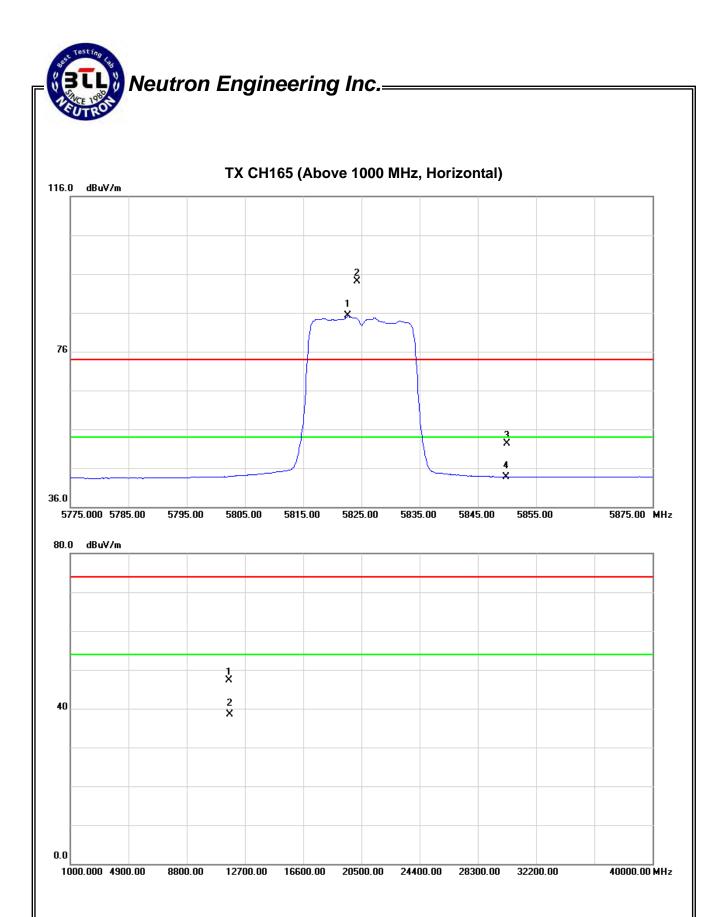
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EUT:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode:	TX AC N20 Mode 5825MHz		

Freq.	Ant.Pd.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5824.30	Н	49.48	40.58	44.69	94.17	85.27			X/F
#5850.00	I	7.50	-1.05	44.78	52.28	43.73	74.17	65.27	X/E
11652.80	Н	28.47	19.56	18.87	47.34	38.43	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of <code>『Note』</code>. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $\circ$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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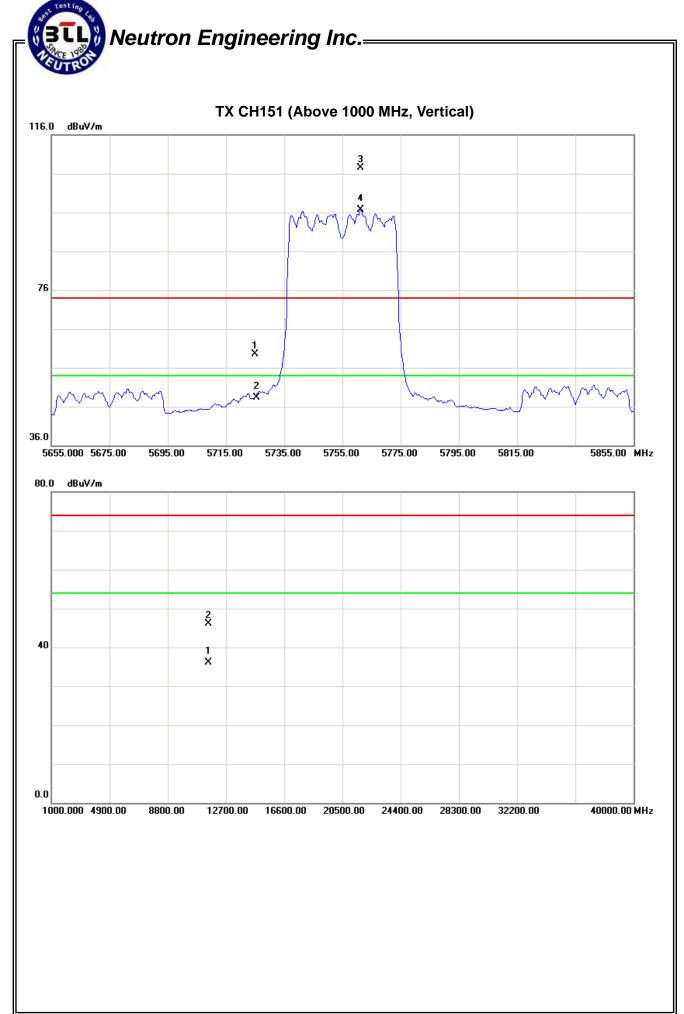


IF111:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC N40 Mode 5755MHz		

Freq. A	Ant.Pol. Reading		Ant./CF	Ac	Act.		Limit		
Heq.	Alit.FUI.	Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
# 5725.00	V	15.11	4.05	44.34	59.45	48.39	87.51	76.70	X/E
5761.20	V	63.04	52.23	44.47	107.51	96.70			X/F
11513.50	V	27.59	17.68	18.52	46.11	36.20	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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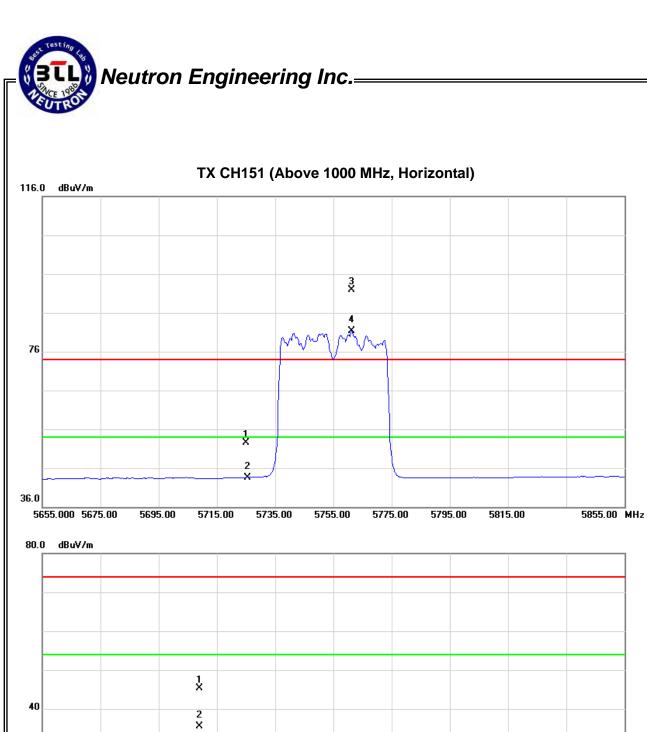


EUT:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC N40 Mode 5755MHz		

Freq.	Ant.Pol.	Rea	ding	Ant./CF	Ac	ot.	انا	mit	
1164.	AHL.FUI.	Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
# 5725.00	Н	8.18	-0.75	44.34	52.52	43.59	71.83	61.26	X/E
5761.20	Н	47.36	36.79	44.47	91.83	81.26			X/F
11514.80	Н	26.83	16.92	18.53	45.36	35.45	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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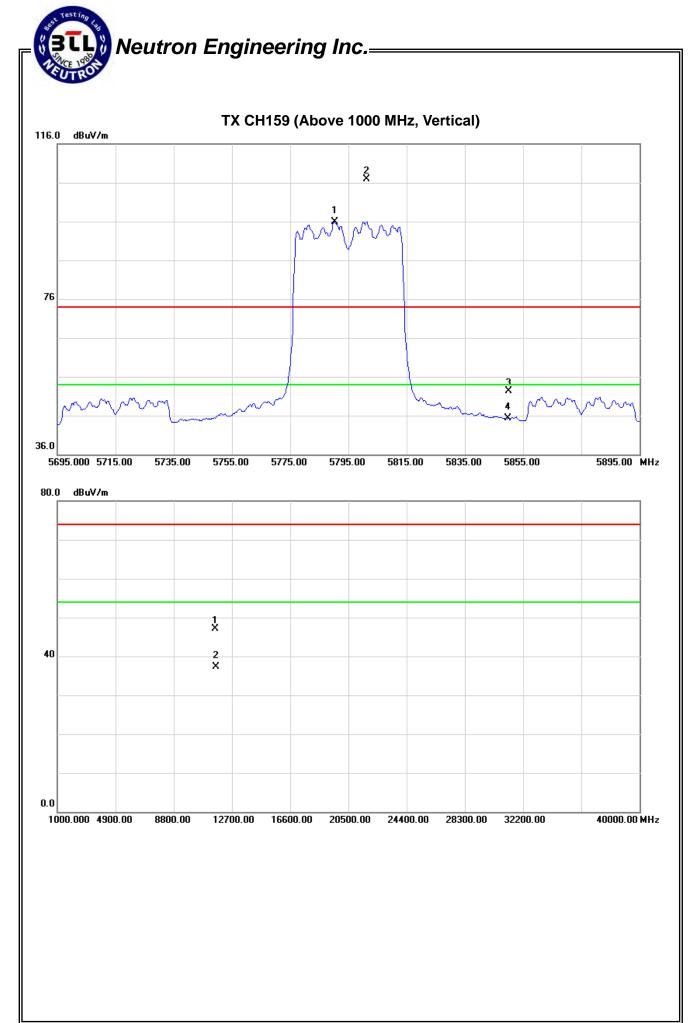
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IF111.	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC N40 Mode 5795MHz		

Freq.	Ant.Pd.	Rea	ding	Ant./CF	A	ct.	Lir	nit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5801.20	V	62.38	51.35	44.61	106.99	95.96			X/F
#5850.00	V	7.48	0.55	44.78	52.26	45.33	86.99	75.96	X/E
11593.80	V	28.46	18.54	18.72	47.18	37.26	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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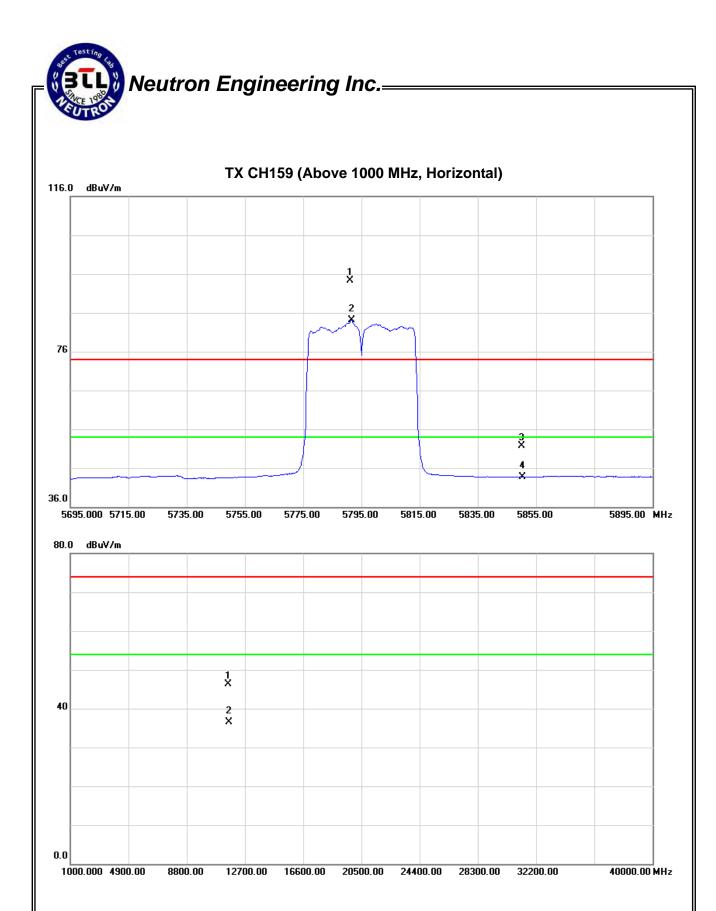


<b> -</b>	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC N40 Mode 5795MHz		

Freq.	Ant.Pd.	Rea	ding	Ant./CF	Ad	ct.	Lir	mit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5791.00	Н	49.71	39.63	44.57	94.28	84.20			X/F
#5850.00	Н	6.69	-1.12	44.78	51.47	43.66	74.28	64.20	X/E
11592.60	Н	27.54	17.83	18.72	46.26	36.55	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency of 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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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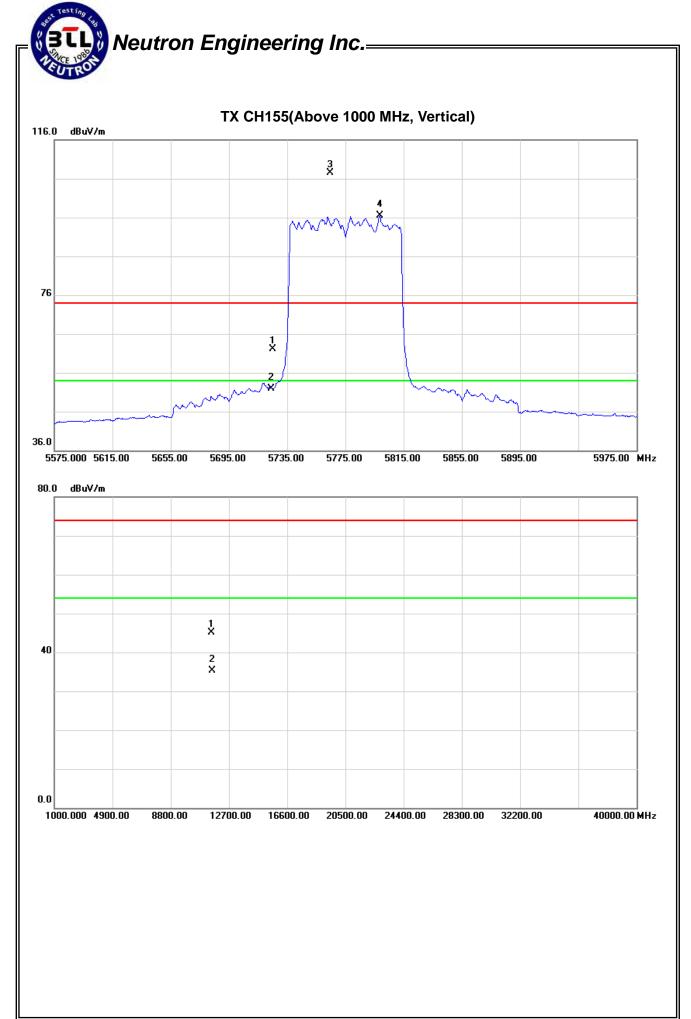


EUT:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC N80 Mode 5775MHz		

Freq.	Ant.Pd.	Rea	ding	Ant./CF	A	ct.	Lir	nit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
#5725	V	17.67	7.64	44.34	62.01	51.98	87.56	76.28	X/E
5764.60	V	63.08	51.80	44.48	107.56	96.28			X/F
11552.90	V	26.57	16.69	18.62	45.19	35.31	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (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 o
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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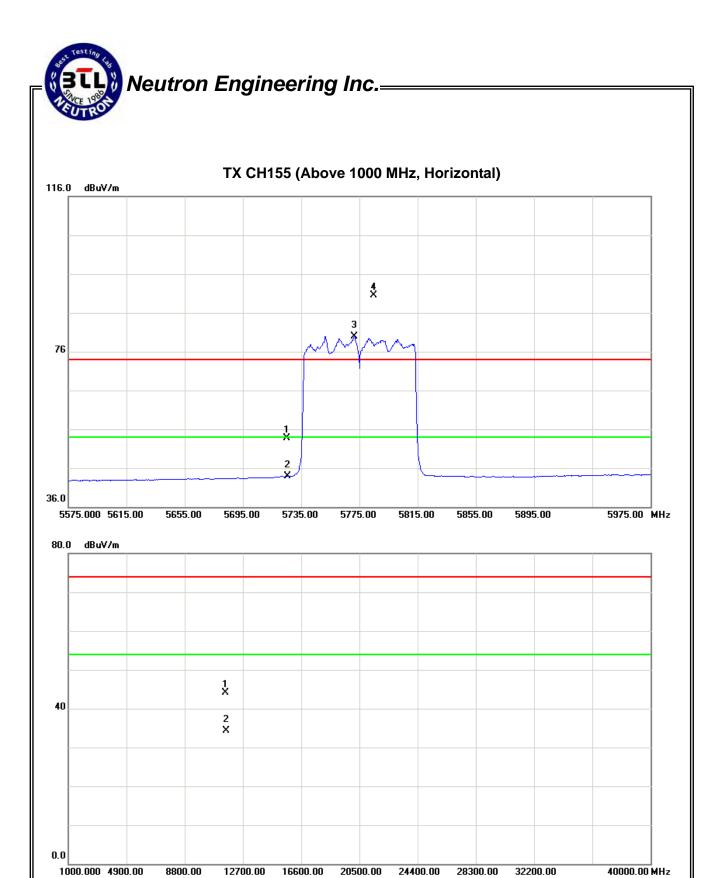


IF111:	Dual Band Wireless AC1750 Gigabit Router	Model Name :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode:	TX AC N80 Mode 5775MHz		

Freq.	Ant.Pd.	Rea	ding	Ant./CF	A	ct.	Lir	nit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
#5725	Н	9.31	-0.51	44.34	53.65	43.83	70.55	60.02	X/E
5784.60	Н	46.00	35.47	44.55	90.55	80.02			X/F
11553.40	Н	25.48	15.64	18.62	44.10	34.26	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of  $\lceil$ Note $_{
  m J}$ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform  $_{
  m O}$
- (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  $\circ$
- (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
- (8) "#" The radiated frequency is out of the restricted band. Limit line= fundamental 20dB

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## 5. BANDWIDTH TEST

# 5.1 Applied procedures / limit

	FCC Part15 (15.247) , Subpart C							
Section	Test Item	Limit	Frequency Range (MHz)	Result				
15.247(a)(2) Bandwidth N/A 5725 - 5825 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**

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

## 5.1.3 DEVIATION FROM STANDARD

No deviation.

## 5.1.4 TEST SETUP

EUT	SPECTRUM
	ANALYZER

## **5.1.5 EUT OPERATION CONDITIONS**

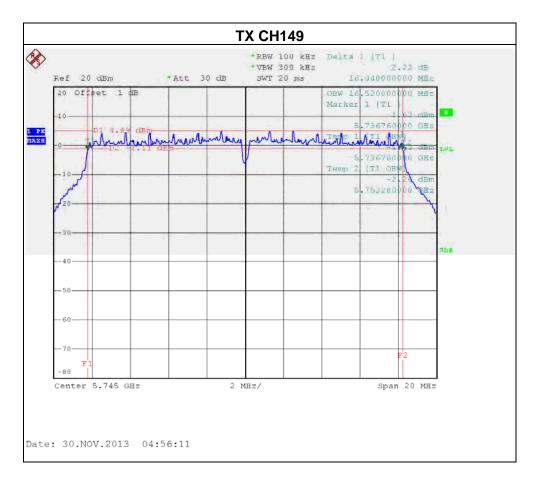
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

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# **5.1.6 TEST RESULTS**

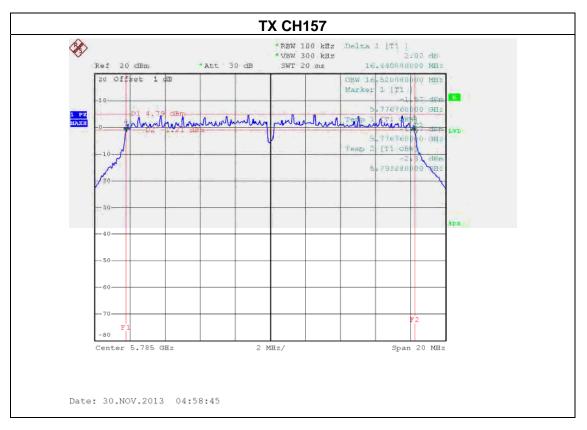
IF111:	Dual Band Wireless AC1750 Gigabit Router	Model Name. :	XWR-1750		
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %		
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz		
Test Mode :	TX A Mode /CH149, CH157, CH165				

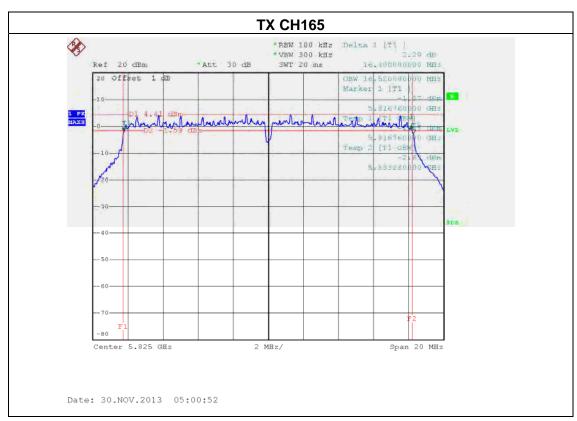
Test Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Test Result
CH149	5745	16.44	16.52	PASS
CH157	5785	16.44	16.52	PASS
CH165	5825	16.40	16.52	PASS



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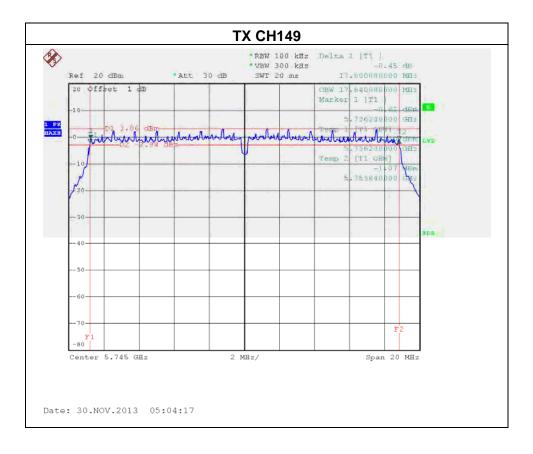






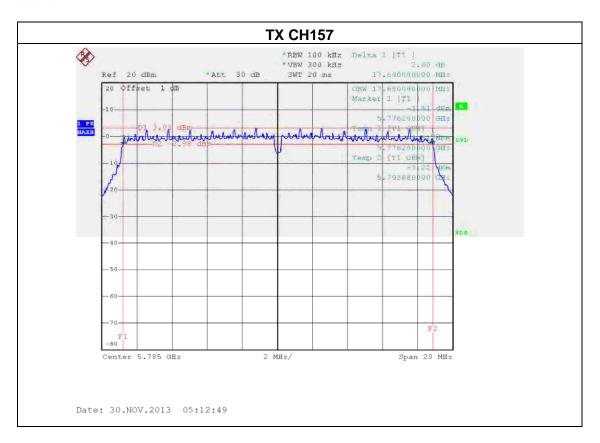
H-111.	Dual Band Wireless AC1750 Gigabit Router	Model Name. :	XWR-1750	
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %	
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz	
Test Mode: TX N20 Mode /CH149, CH157, CH165				

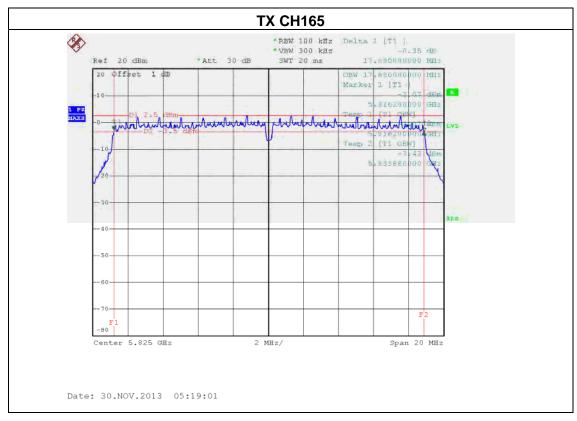
Test Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Test Result
CH149	5745	17.60	17.64	PASS
CH157	5785	17.64	17.68	PASS
CH165	5825	17.68	17.68	PASS



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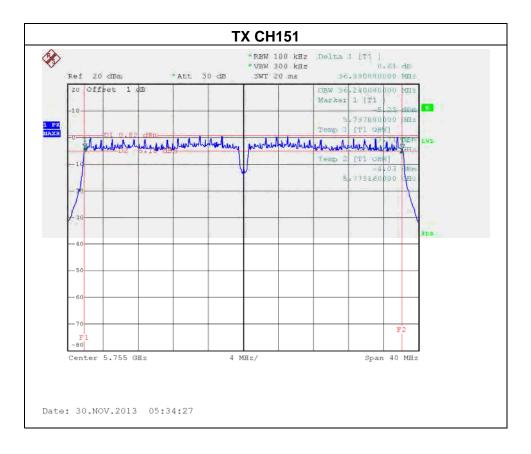






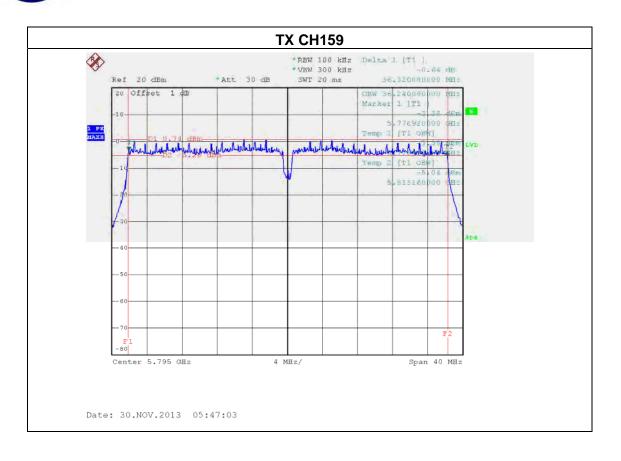
I⊨III'	Dual Band Wireless AC1750 Gigabit Router	Model Name. :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	TX N40 Mode /CH151, CH159		

Test Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Test Result
CH151	5755	36.08	36.24	PASS
CH159	5795	36.32	36.24	PASS



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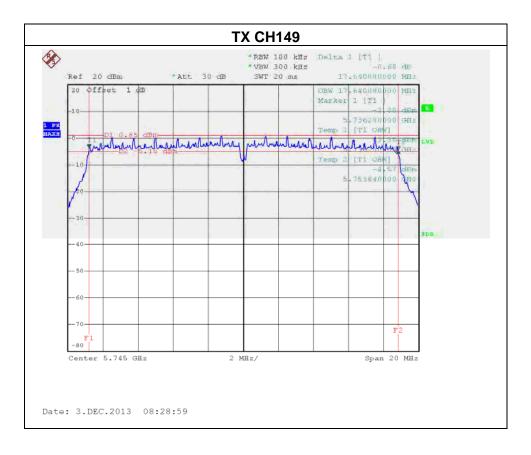




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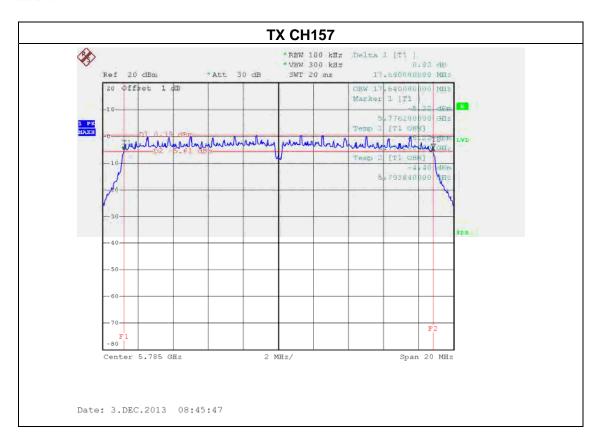
I⊢III.	Dual Band Wireless AC1750 Gigabit Router	Model Name. :	XWR-1750	
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %	
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz	
Test Mode: TX AC N20 Mode /CH149, CH157, CH165				

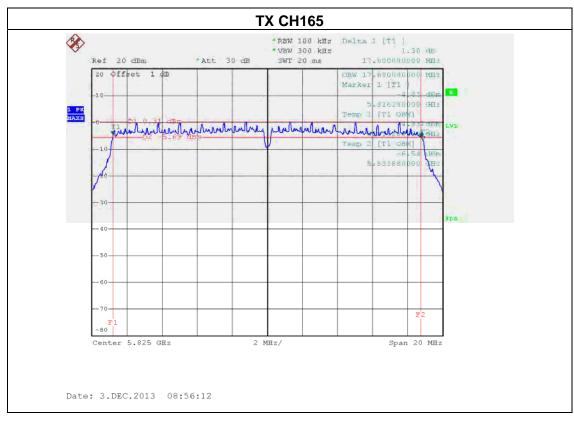
Test Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Test Result
CH149	5745	17.64	17.64	PASS
CH157	5785	17.64	17.64	PASS
CH165	5825	17.60	17.68	PASS



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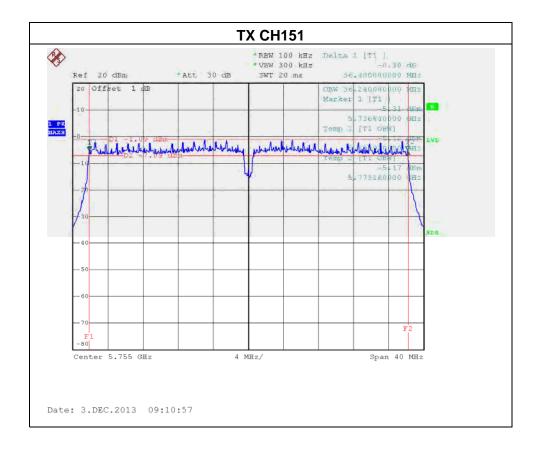






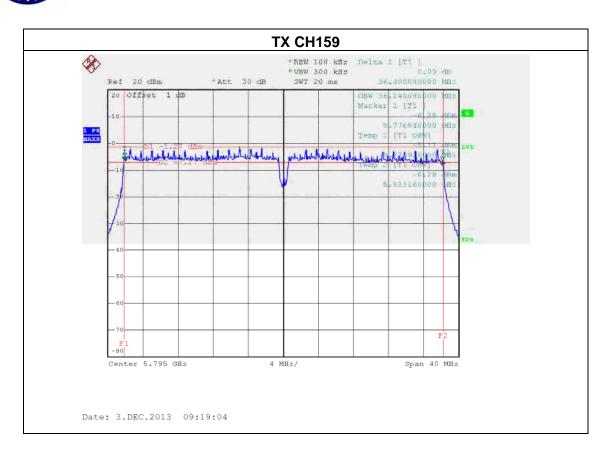
F111.	Dual Band Wireless AC1750 Gigabit Router	Model Name. :	XWR-1750	
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %	
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz	
Test Mode: TX AC N40 Mode /CH151, CH159				

Test Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Test Result
CH151	5755	36.40	36.24	PASS
CH159	5795	36.40	36.24	PASS



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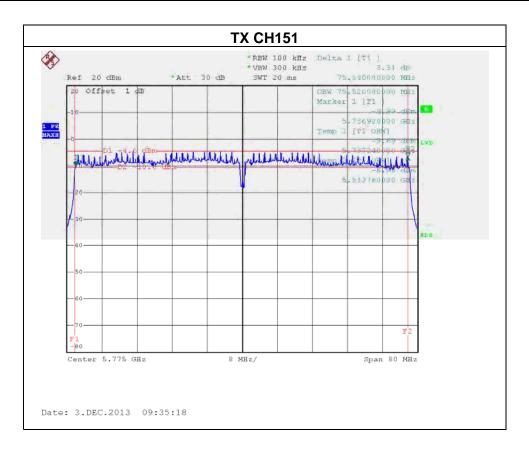




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IF111:	Dual Band Wireless AC1750 Gigabit Router	Model Name. :	XWR-1750
Temperature:	<b>25</b> ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz
Test Mode :	TX AC N80 Mode /CH155		

Test Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Test Result
CH155	5775	75.84	75.52	PASS



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