



FCC RADIO TEST REPORT

FCC ID: HHOYC006

Product : 750Mbps Intelligent Dual Band Gigabit Wireless Router

Trade Name :  **JCG**

Model Name : JHR-N936R

Serial Model : N/A

Report No. : NTEK- 2013NT0225205F1

Prepared for

Shenzhen Yichen Technology Development Co.,LTD.
5F, NO.1, Honghualing 2nd industrial Zone, Xili Town,Nanshan
District,Shenzhen,Guangdong,People' s Republic Of China
Longgang District, Shenzhen, China

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.
1/F, Building E, Fenda Science Park, Sanwei Community,Xixiang Street
Bao'an District, Shenzhen P.R. China
Tel.: +86-0755-61156588 Fax.: +86-0755-61156599
Website:www.ntek.org.cn

TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Yichen Technoloy Development Co.,LTD.
Address : 5F, NO.1, Honghualing 2nd industrial Zone, Xili Town,Nanshan District,Shenzhen,Guangdong,People' s Republic Of China Longgang District, Shenzhen, China
Manufacture's Name : Shenzhen Yichen Technoloy Development Co.,LTD.
Address : 5F, NO.1, Honghualing 2nd industrial Zone, Xili Town,Nanshan District,Shenzhen,Guangdong,People' s Republic Of China Longgang District, Shenzhen, China

Product description

Product name : 750Mbps Intelligent Dual Band Gigabit Wireless Router
Model and/or type reference : JHR-N936R
Serial Model : N/A

Standards : FCC Part15.247, IC RSS-210 Issue 8, IC RSS-Gen Issue 3

Test procedure ANSI C63.4-2003

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of NTEK, this document may be altered or revised by NTEK, personal only, and shall be noted in the revision of the document.

Date of Test :

Date (s) of performance of tests : 25 Feb. 2012 ~26 Mar. 2012

Date of Issue : 31 Dec. 2012

Test Result : **Pass**

Testing Engineer :

Apple Huang

(Apple Huang)

Technical Manager :

Tom Zhang

(Tom Zhang)

Authorized Signatory :

Bovey Yang

(Bovey Yang)

Table of Contents

	Page
1 . SUMMARY OF TEST RESULTS	5
1.1 TEST FACILITY	6
1.2 MEASUREMENT UNCERTAINTY	6
2 . GENERAL INFORMATION	7
2.1 GENERAL DESCRIPTION OF EUT	7
2.2 DESCRIPTION OF TEST MODES	10
2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	11
2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)	12
2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS	13
3 . EMC EMISSION TEST	14
3.1 CONDUCTED EMISSION MEASUREMENT	14
3.1.1 POWER LINE CONDUCTED EMISSION LIMITS	14
3.1.2 TEST PROCEDURE	15
3.1.3 DEVIATION FROM TEST STANDARD	15
3.1.4 TEST SETUP	15
3.1.5 EUT OPERATING CONDITIONS	15
3.1.6 TEST RESULTS	16
3.2 RADIATED EMISSION MEASUREMENT	18
3.2.1 RADIATED EMISSION LIMITS	18
3.2.2 TEST PROCEDURE	19
3.2.3 DEVIATION FROM TEST STANDARD	19
3.2.4 TEST SETUP	20
3.2.5 EUT OPERATING CONDITIONS	21
3.2.6 TEST RESULTS (BETWEEN 9KHZ – 30 MHZ)	22
3.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)	23
3.2.8 TEST RESULTS (ABOVE 1000 MHZ)	25
4 . POWER SPECTRAL DENSITY TEST	81
4.1 APPLIED PROCEDURES / LIMIT	81
4.1.1 TEST PROCEDURE	81
4.1.2 DEVIATION FROM STANDARD	81
4.1.3 TEST SETUP	81
4.1.4 EUT OPERATION CONDITIONS	81
4.1.5 TEST RESULTS	82
5 . BANDWIDTH TEST	96
5.1 APPLIED PROCEDURES / LIMIT	96
5.1.1 TEST PROCEDURE	96

Table of Contents

	Page
5.1.2 DEVIATION FROM STANDARD	96
5.1.3 TEST SETUP	96
5.1.4 EUT OPERATION CONDITIONS	96
5.1.5 TEST RESULTS	97
6 . PEAK OUTPUT POWER TEST	111
6.1 APPLIED PROCEDURES / LIMIT	111
6.1.1 TEST PROCEDURE	111
6.1.2 DEVIATION FROM STANDARD	111
6.1.3 TEST SETUP	111
6.1.4 EUT OPERATION CONDITIONS	111
6.1.5 TEST RESULTS	112
7 . ANTENNA REQUIREMENT	113
7.1 STANDARD REQUIREMENT	113
7.2 EUT ANTENNA	113
8 . EUT TEST PHOTO	114
APPENDIX-PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS	

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C IC RSS-210 Issue 8			
Standard Section	Test Item	Judgment	Remark
15.207 & 7.2.4	Conducted Emission	PASS	
15.247 (a)(2) & A8.2	6dB Bandwidth	PASS	
15.247 (b) & A8.4	Peak Output Power	PASS	
15.247 (c) & A8.5	Radiated Spurious Emission	PASS	
15.247 (d) & A8.2	Power Spectral Density	PASS	
15.205 & A8.5	Band Edge Emission	PASS	
15.203	Antenna Requirement	PASS	

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report

1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd

Add.:1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.

FCC Registration No.:238937; IC Registration No.:9270A-1

CNAS Registration No.:L5516

1.2 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Conducted Emission Test	$\pm 1.38\text{dB}$
2	RF power,conducted	$\pm 0.16\text{dB}$
3	Spurious emissions,conducted	$\pm 0.21\text{dB}$
4	All emissions,radiated(<1G)	$\pm 4.68\text{dB}$
5	All emissions,radiated(>1G)	$\pm 4.89\text{dB}$
6	Temperature	$\pm 0.5^{\circ}\text{C}$
7	Humidity	$\pm 2\%$

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	750Mbps Intelligent Dual Band Gigabit Wireless Router	
Trade Name		
Model Name	JHR-N936R	
Serial Model	N/A	
Model Difference	N/A	
Product Description	The EUT is a 750Mbps Intelligent Dual Band Gigabit Wireless Router	
	Operation Frequency:	2412MHz~2462MHz 5725 MHz ~ 5825 MHz
	Modulation Type:	CCK/OFDM/DBPSK/DAPSK
	Bit Rate of Transmitter	802.11b:11/5.5/2/1 Mbps 802.11g/a:54/48/36/24/18/12/9/6Mbps 802.11n(20/40MHz):300/270/150/144.44/130/117/115.56/104/86.67/78/52/6.5 Mbps
	Number Of Channel	Refer to Note 2
	Antenna Designation:	Please see Note 3.
	Max.Output Power(Conducted):	17.78 dBm
	Operation Frequency:	5150 MHz ~ 5250 MHz
	Modulation Type:	OFDM (BPSK / QPSK / 16QAM / 64QAM)
	Antenna Designation:	Please see Note 3.
	Max.Output Power(Conducted):	13.19dBm
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.	
	Channel List	Please refer to the Note 2.
	Ratings	DC 12V from Adapter AC 120V/60Hz
	Adapter	F18W-120200SPAU
	Battery	N/A
	Connecting I/O Port(s)	Please refer to the User's Manual

Note:

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

2. 2.4GHz:

Channel List for 802.11b/g/n(20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

Channel List for 802.11n(40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
03	2422	06	2437	09	2452		
04	2427	07	2442				
05	2432	08	2447				

5GHz:

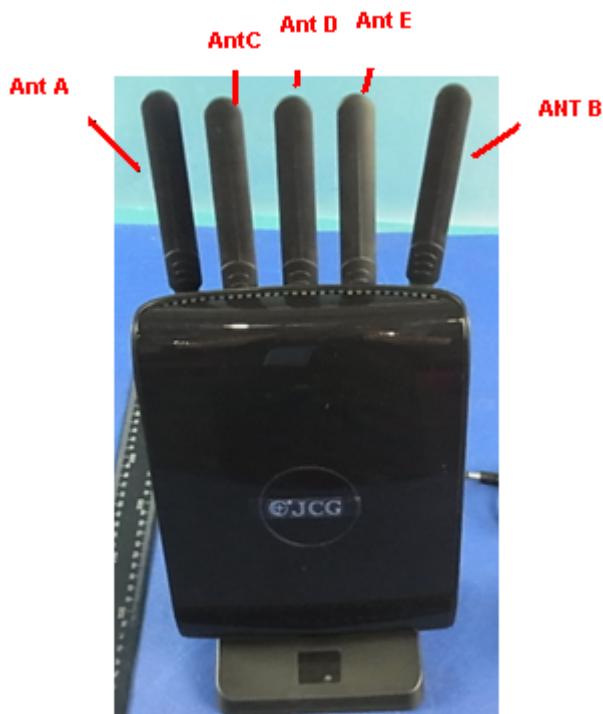
802.11a Carrier Frequency Channel							
Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
149	5745	153	5765	157	5785	161	5805
165	5825	-	-	-	-	-	-

802.11n (BW 20MHz) Carrier Frequency Channel							
Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
149	5745	153	5765	157	5785	161	5805
165	5825	-	-	-	-	-	-

3.

Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
A	N/A	N/A	external antenna	Reserve SMA-type	2.4GHz:4.0	N/A
B	N/A	N/A	external antenna	Reserve SMA	2.4GHz:4.0	N/A
C	N/A	N/A	external antenna	Reserve SMA	5GHz:5.0	N/A
D	N/A	N/A	external antenna	Reserve SMA	5GHz:5.0	N/A
E	N/A	N/A	external antenna	Reserve SMA	5GHz:5.0	N/A



The Control software(tool_WIFI.exe) can control antenna A B C D E,

For 2.4GHz mode, antenna A B are transmitting, antenna C D E were closed, two antennas simultaneously transmit. And the data is recorded for radiated emission and band edge.

For 5GHz mode, antenna C D E are transmitting, antenna A B were closed

Three antennas simultaneously transmit. And the data is recorded for radiated emission and band edge.

For MIMO mode , Directional gain= $G_{ANT} + 10\log(N)$ dbi =7.0dbi in 2.4GHz

Directional gain= $G_{ANT} + 10\log(N)$ dbi =9.77dbi in 5GHz

2.2 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	802.11b (2.4G)
Mode 2	802.11g (2.4G)
Mode 3	802.11n(20) (2.4G)
Mode 4	802.11n(40) (2.4G)
Mode 5	802.11a (5G)
Mode 6	802.11n(20) (5G)
Mode 7	802.11n(40) (5G)
Mode 8	Link Mode

For Conducted Emission	
Final Test Mode	Description
Mode 8	Link Mode

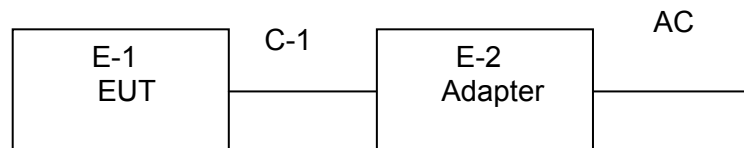
For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11b (2.4G)
Mode 2	802.11g (2.4G)
Mode 3	802.11n(20) (2.4G)
Mode 4	802.11n(40) (2.4G)
Mode 5	802.11a (5G)
Mode 6	802.11n(20) (5G)
Mode 7	802.11n(40) (5G)
Mode 8	Link Mode

Note:

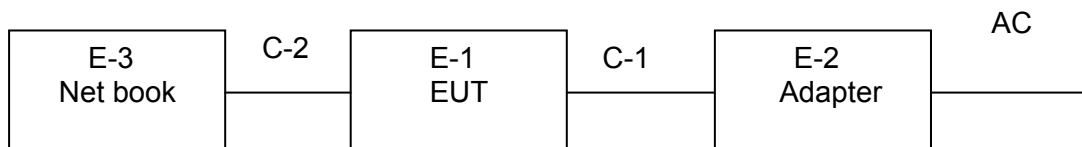
- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission Test



Radiated Spurious Emission Test



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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.	Series No.	Note
E-1	750Mbps Intelligent Dual Band Gigabit Wireless Router	 JCG	JHR-N936R	N/A	EUT
E-2	Adapter	N/A	F18W-120200SPAU	N/A	EUT Adapter
E-3	Notebook	IBM	2366	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	1.45M	
C-2	NO	NO	1.5M	

Note:

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

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY45108040	2012.07.06	2013.07.05	1 year
2	Test Receiver	R&S	ESPI	101318	2012.06.07	2013.06.06	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2012.07.06	2013.07.05	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2012.06.07	2013.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2012.06.07	2013.06.06	1 year
6	Horn Antenna	EM	EM-AH-10180	2011071402	2012.07.06	2013.07.05	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2012.07.06	2013.07.05	1 year
8	Amplifier	EM	EM-30180	060538	2012.12.22	2013.12.21	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2012.06.08	2013.06.07	1 year
10	Power Meter	R&S	NRVS	100696	2012.07.06	2013.07.05	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619.05	2012.07.06	2013.07.05	1 year
12	SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	2012.08.03	2013.08.02	1 year
13	Spectrum Analyzer	R&S	FSP40	100055	2012.08.09	2013.08.08	1 year
14	Power Meter	Agilent	E4416A	GB41292344	2012.07.06	2013.07.05	1 year
15	Power Sensor	Agilent	E9327A	US40441548	2012.07.06	2013.07.05	1 year

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2012.06.06	2013.06.05	1 year
2	LISN	R&S	ENV216	101313	2012.08.24	2013.08.23	1 year
3	LISN	EMCO	3816/2	00042990	2012.08.24	2013.08.23	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	2012.06.07	2013.06.06	1 year
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2012.06.07	2013.06.06	1 year
6	Absorbing clamp	R&S	MOS-21	100423	2012.06.08	2013.06.07	1 year

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

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

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

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

Note:

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

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

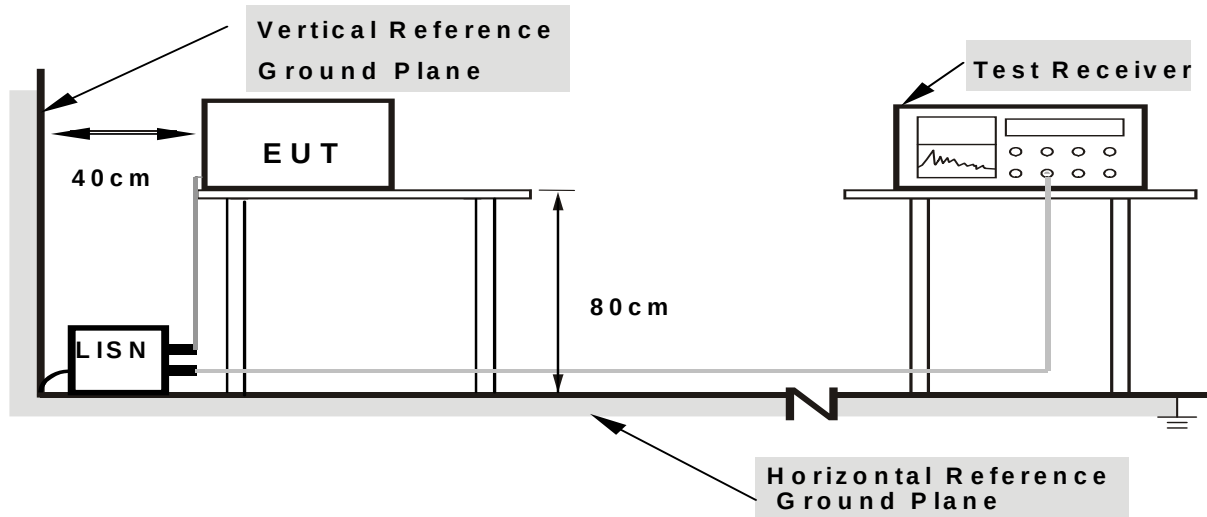
3.1.2 TEST PROCEDURE

- The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 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

3.1.5 EUT OPERATING CONDITIONS

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

3.1.6 TEST RESULTS

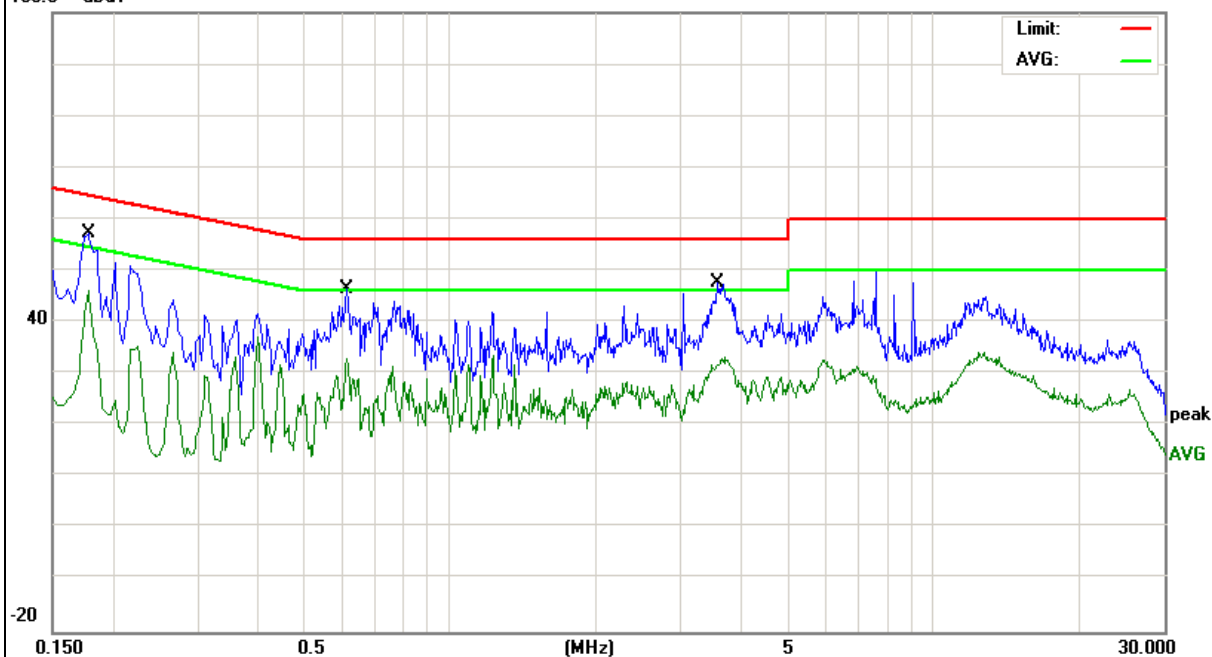
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name. :	JHR-N936R
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Phase :	L
Test Voltage :	DC 12V from Adapter AC120V/60Hz	Test Mode :	Mode 6

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1780	46.35	9.79	56.14	64.57	-8.43	QP
0.1780	36.01	9.79	45.80	54.57	-8.77	AVG
0.6100	35.16	10.20	45.36	56.00	-10.64	QP
0.6100	22.08	10.20	32.28	46.00	-13.72	AVG
3.5820	37.43	10.32	47.75	56.00	-8.25	QP
3.5820	22.87	10.32	33.19	46.00	-12.81	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

100.0 dBμV



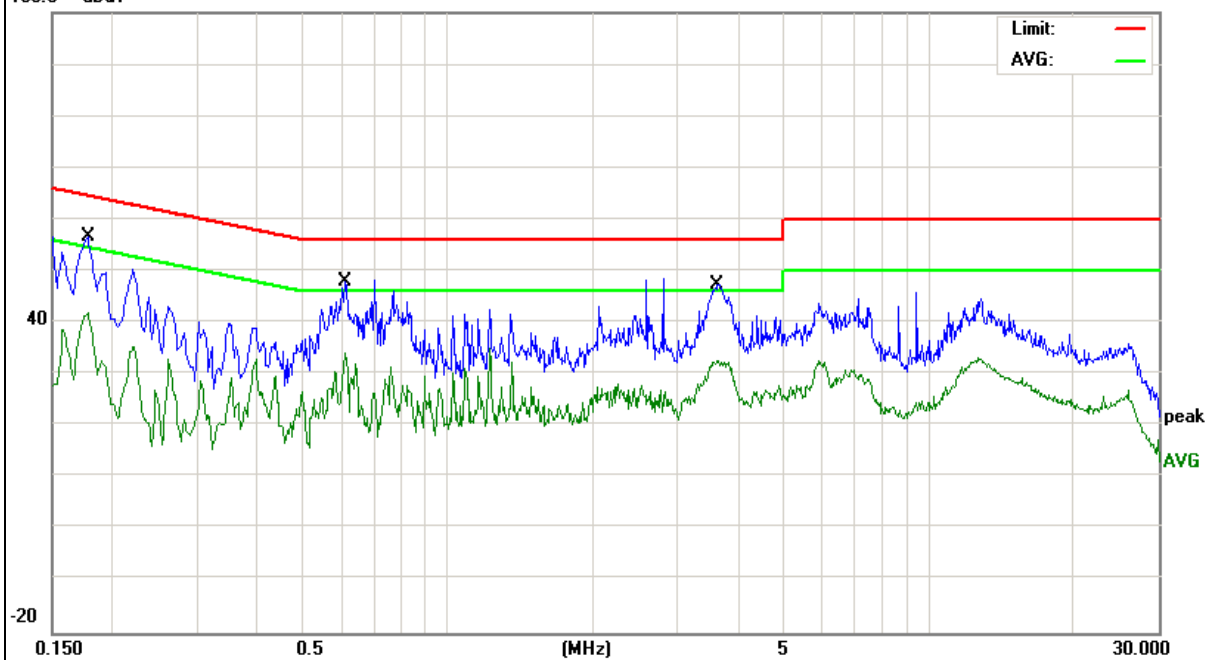
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name. :	JHR-N936R
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Phase :	N
Test Voltage :	DC 12V from Adapter AC120V/60Hz	Test Mode :	Mode 6

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Detector Type
0.1779	46.02	9.80	55.82	64.58	-8.76	QP
0.1779	32.08	9.80	41.88	54.58	-12.70	AVG
0.6099	37.08	10.20	47.28	56.00	-8.72	QP
0.6099	23.05	10.20	33.25	46.00	-12.75	AVG
3.6339	37.13	10.32	47.45	56.00	-8.55	QP
3.6339	22.48	10.32	32.80	46.00	-13.20	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

100.0 dBμV



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class A (dBuV/m) (at 3M)		Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	74	54

Notes:

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

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

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

- a. The measuring distance of at 3 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 open area test site. 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.

Note:

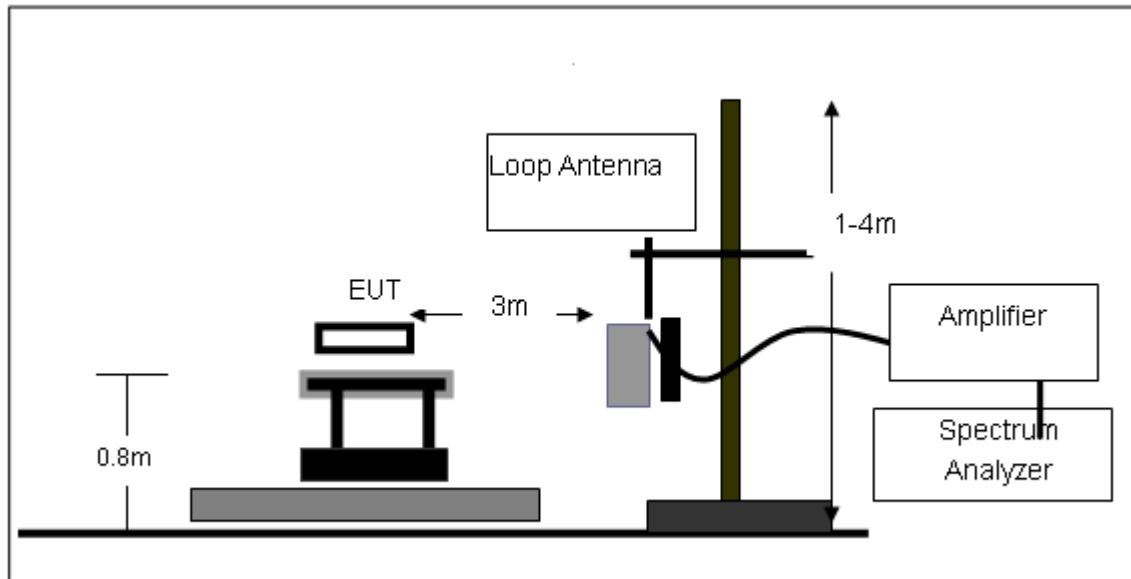
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

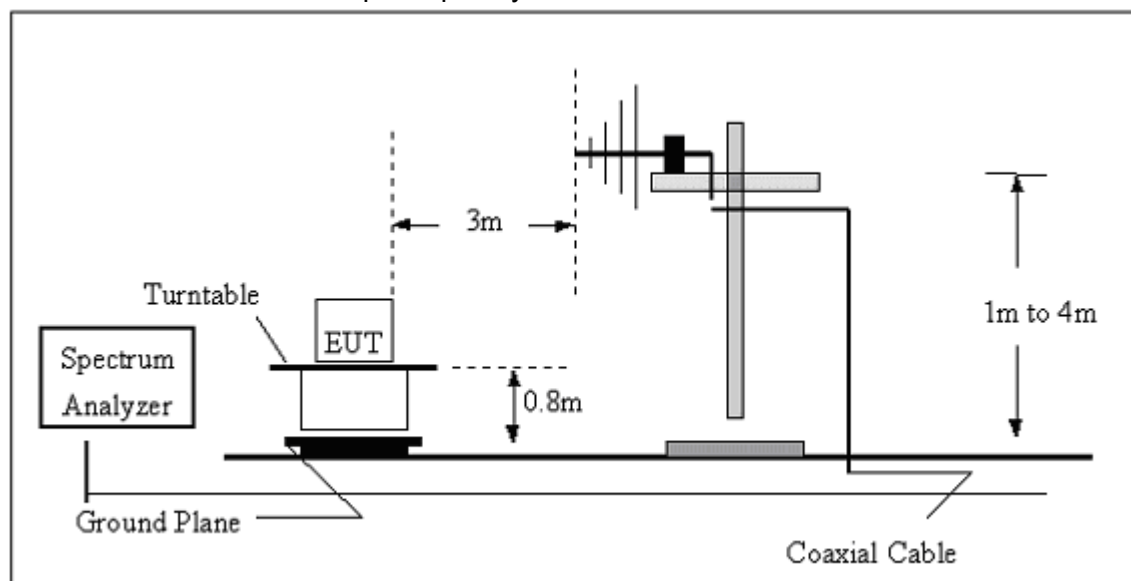
No deviation

3.2.4 TEST SETUP

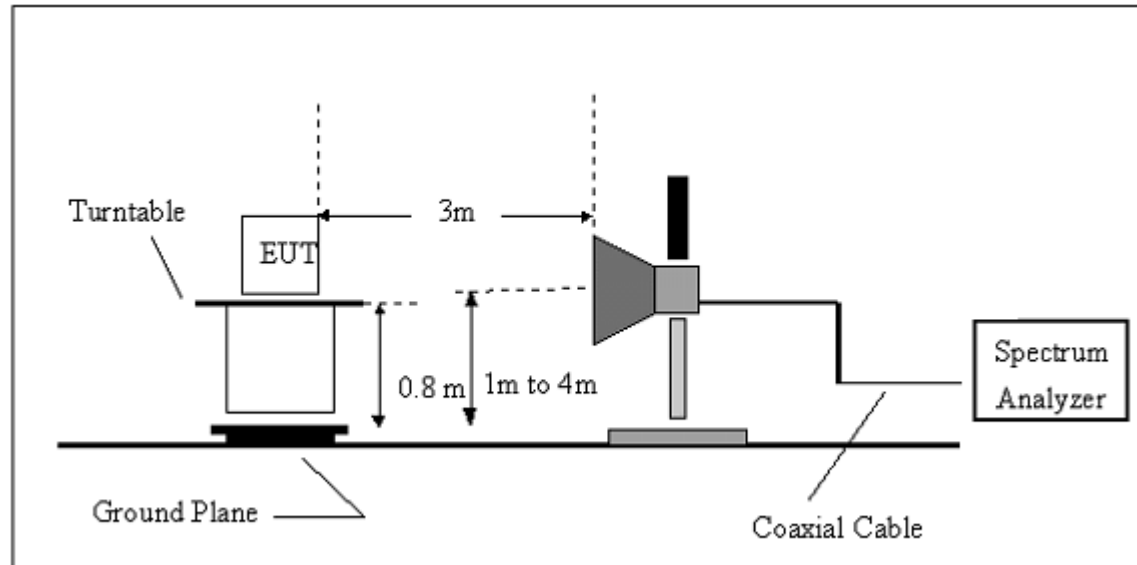
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz

**3.2.5 EUT OPERATING CONDITIONS**

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.6 TEST RESULTS (BETWEEN 9KHZ – 30 MHZ)

EUT:	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name. :	JHR-N936R
Temperature:	20 °C	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	Mode 8	Polarization :	--

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	--
--	--	--	--	--

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance/test distance})(\text{dB})$;

Limit line = specific limits(dBuv) + distance extrapolation factor.

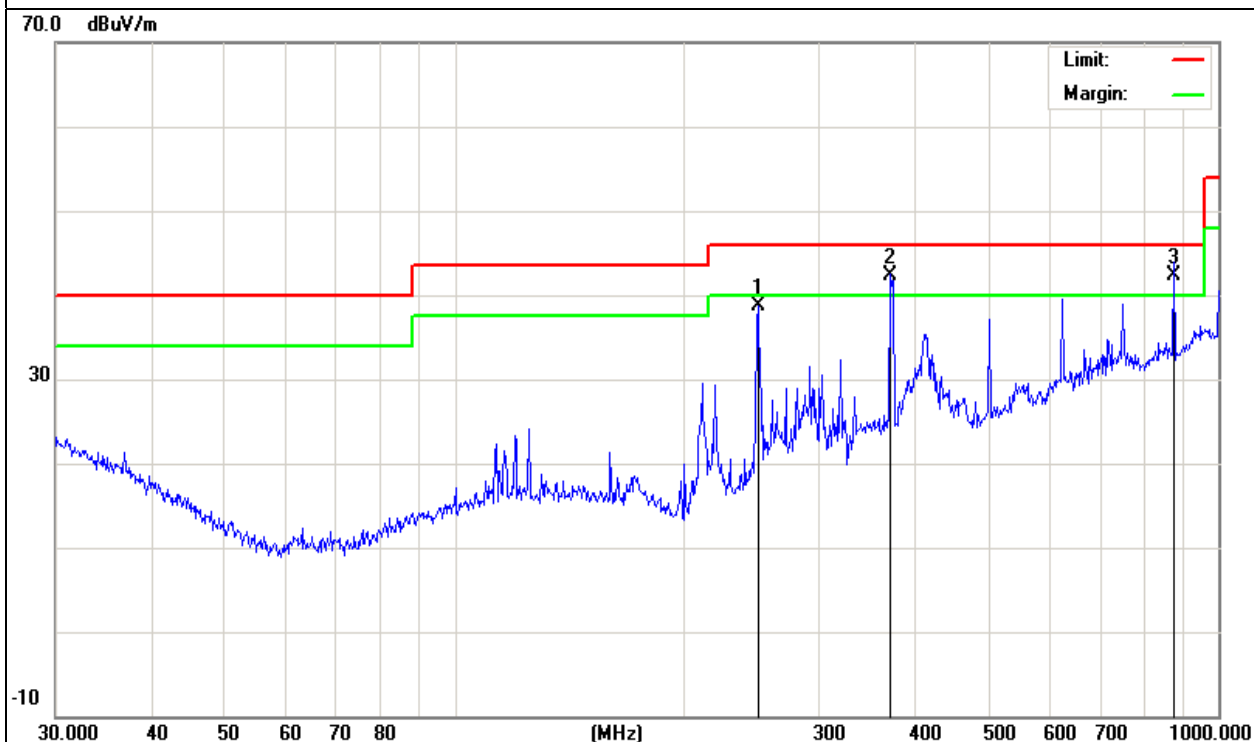
3.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)

EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	Mode 8	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
249.4250	25.30	13.40	38.70	46.00	-7.30	QP
372.0045	25.61	16.79	42.40	46.00	-3.60	QP
875.2469	15.01	27.32	42.33	46.00	-3.67	QP

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

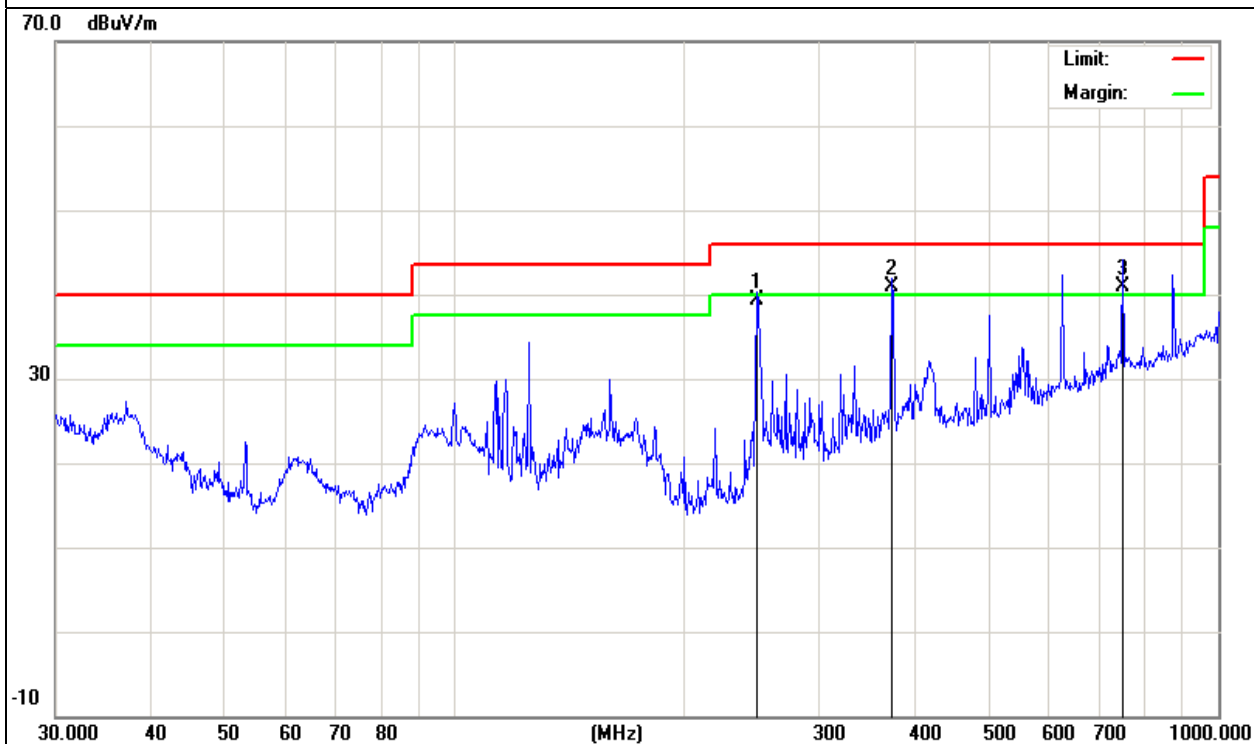


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	Mode 8	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
248.5518	26.05	13.25	39.30	46.00	-6.70	
373.3111	24.06	16.84	40.90	46.00	-5.10	QP
750.1082	14.61	26.39	41.00	46.00	-5.00	QP

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.



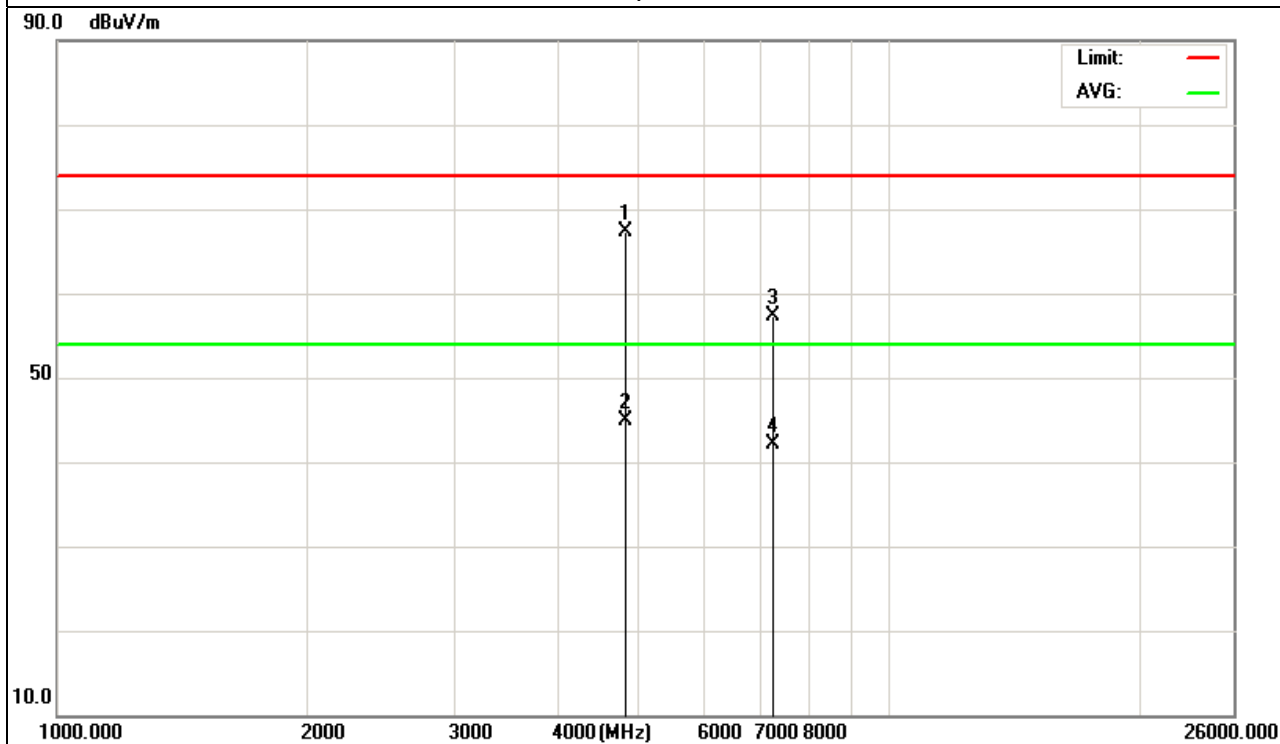
3.2.8 TEST RESULTS (ABOVE 1000 MHZ)

EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1 (802.11b Mode)/2412	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4824.143	56.90	10.44	67.34	74.00	-6.66	peak
4824.143	34.38	10.44	44.82	54.00	-9.18	AVG
7236.165	44.90	12.39	57.29	74.00	-16.71	peak
7236.165	29.68	12.39	42.07	54.00	-11.93	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

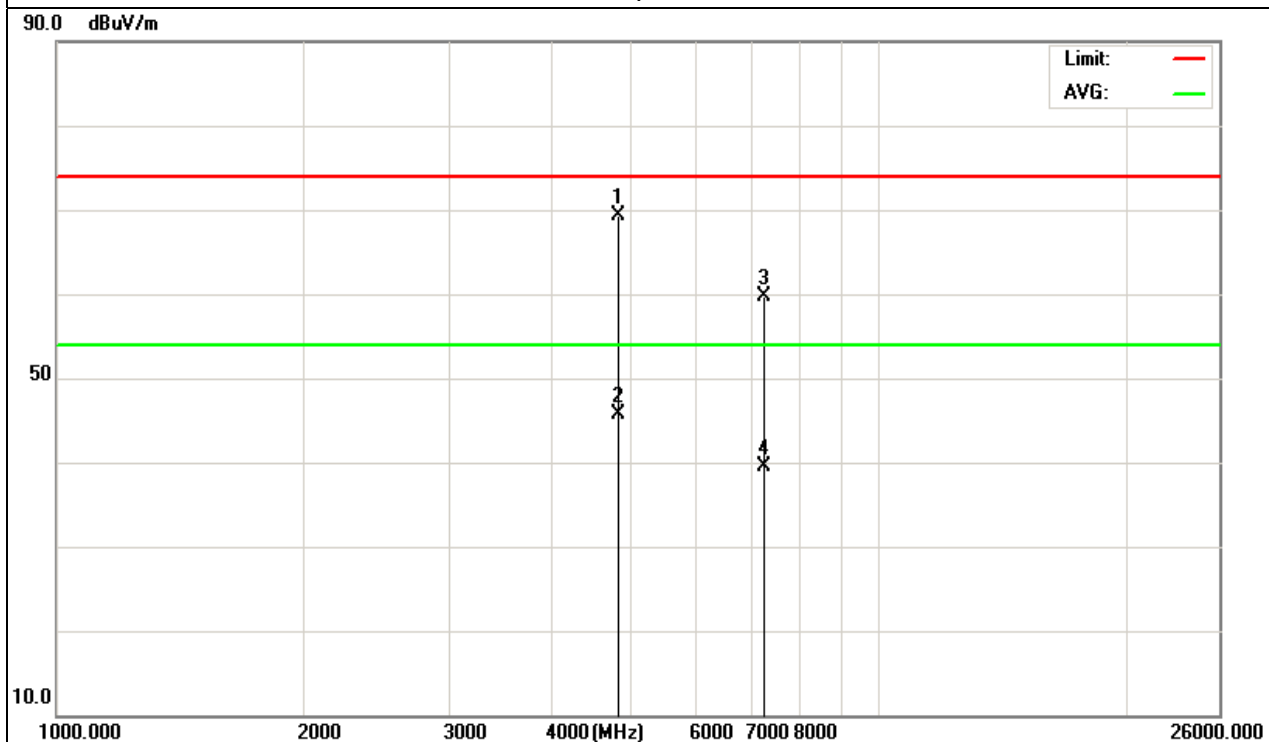


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1 (802.11b Mode)/2412	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.128	58.78	10.44	69.22	74.00	-4.78	peak
4824.128	35.31	10.44	45.75	54.00	-8.25	AVG
7236.139	47.27	12.39	59.66	74.00	-14.34	peak
7236.139	27.18	12.39	39.57	54.00	-14.43	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

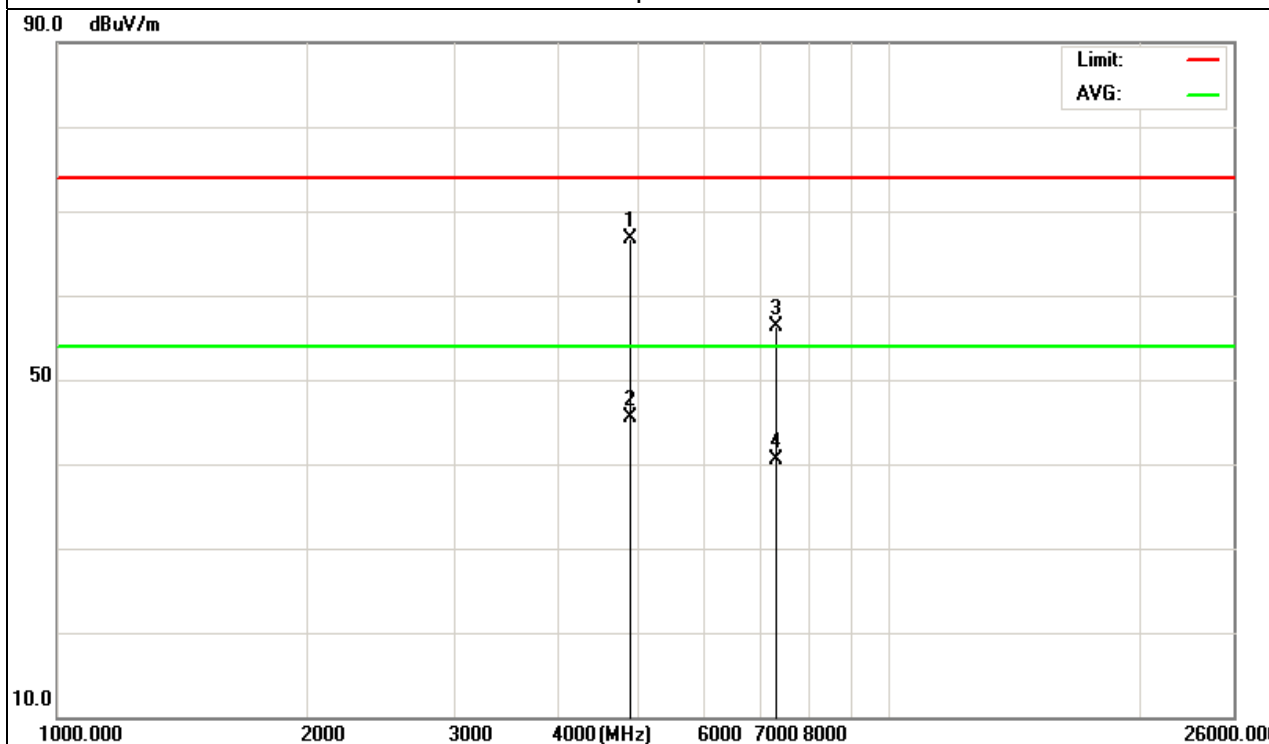


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH6 (802.11b Mode)/2437	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.158	56.21	10.40	66.61	74.00	-7.39	peak
4874.158	35.12	10.40	45.52	54.00	-8.48	AVG
7311.133	43.50	12.75	56.25	74.00	-17.75	peak
7311.133	27.69	12.75	40.44	54.00	-13.56	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

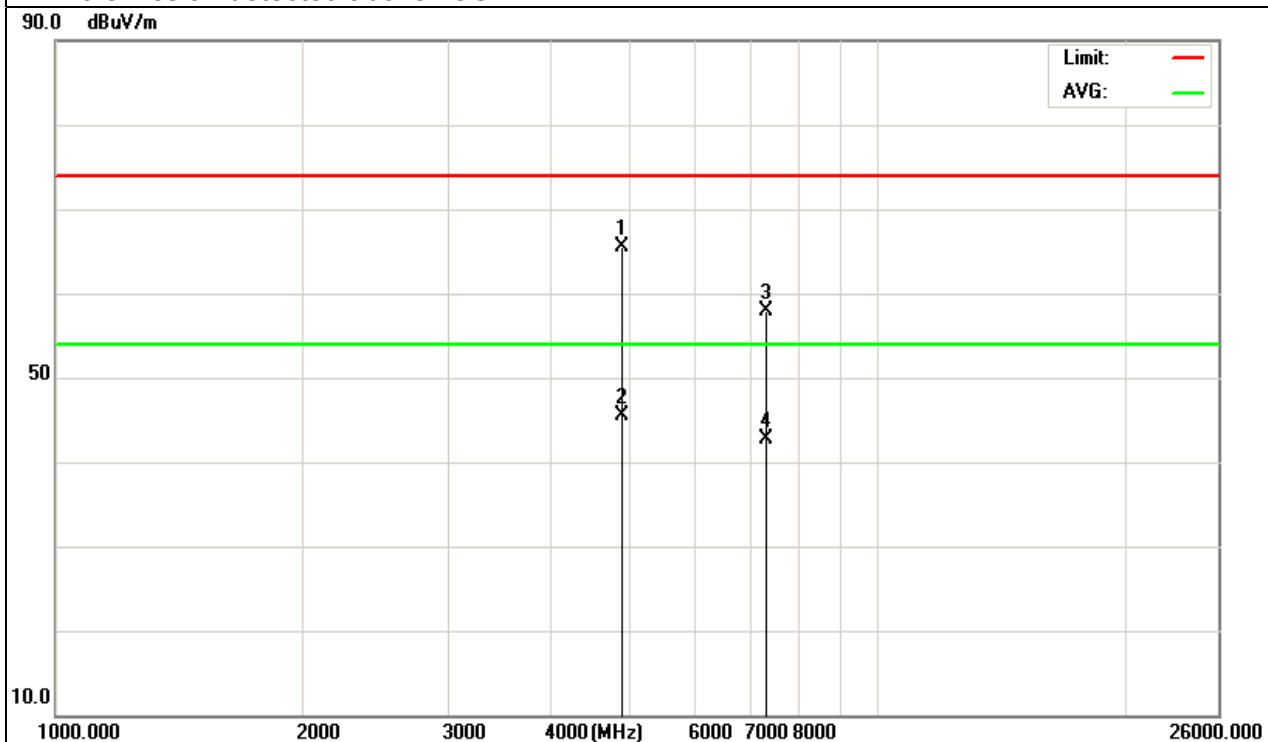


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH6 (802.11b Mode)/2437	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.144	55.05	10.40	65.45	74.00	-8.55	peak
4874.144	35.01	10.40	45.41	54.00	-8.59	AVG
7311.147	45.10	12.75	57.85	74.00	-16.15	peak
7311.147	30.02	12.75	42.77	54.00	-11.23	AVG

Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- No emission detected above 18GHz

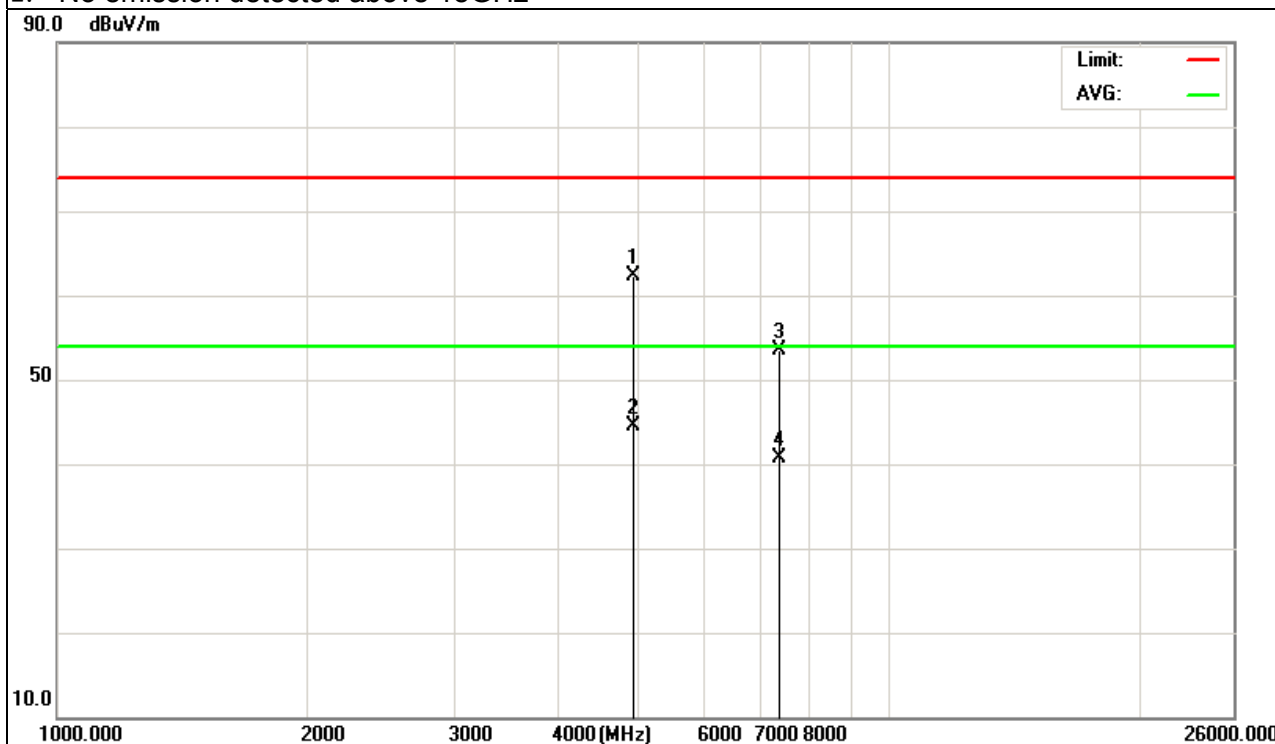


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11 (802.11b Mode)/2462	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.123	51.96	10.39	62.35	74.00	-11.65	peak
4924.123	34.05	10.39	44.44	54.00	-9.56	AVG
7386.145	40.85	12.68	53.53	74.00	-20.47	peak
7386.145	28.08	12.68	40.76	54.00	-13.24	AVG

Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- No emission detected above 18GHz

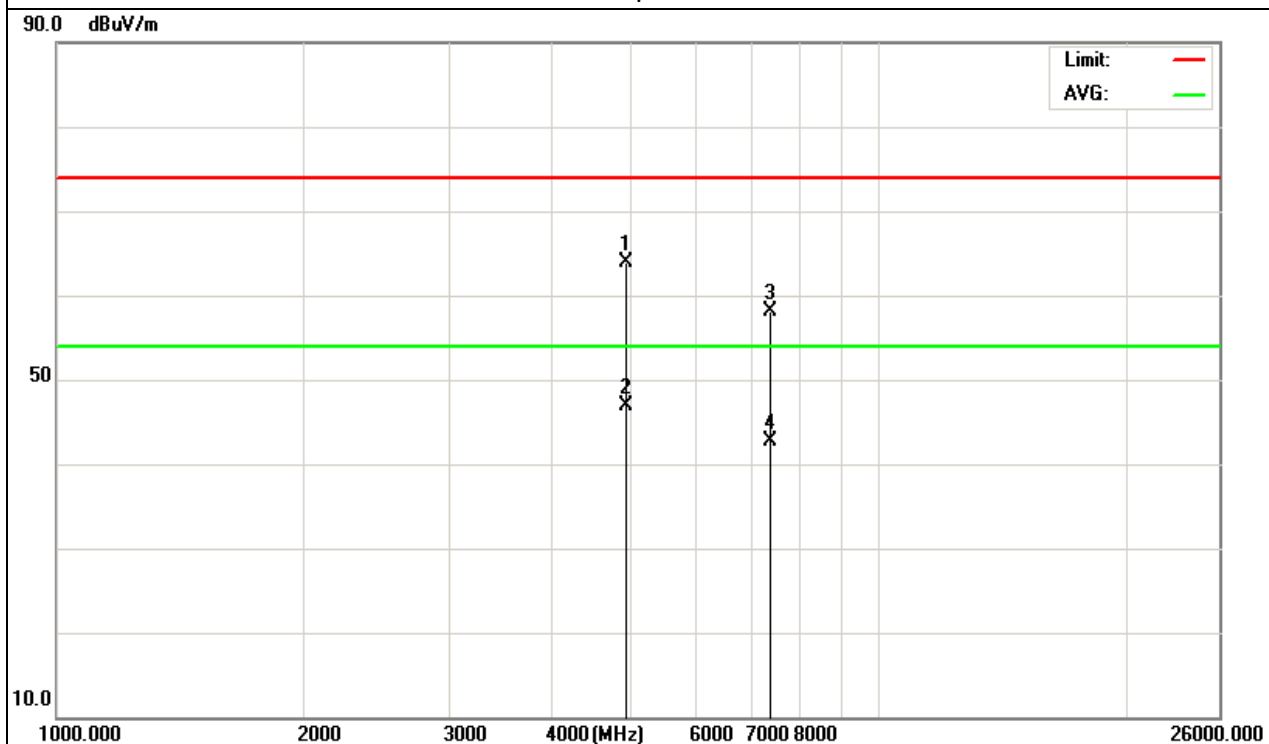


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11 (802.11b Mode)/2462	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.147	53.57	10.39	63.96	74.00	-10.04	peak
4924.147	36.43	10.39	46.82	54.00	-7.18	AVG
7386.142	45.36	12.68	58.04	74.00	-15.96	peak
7386.142	29.98	12.68	42.66	54.00	-11.34	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

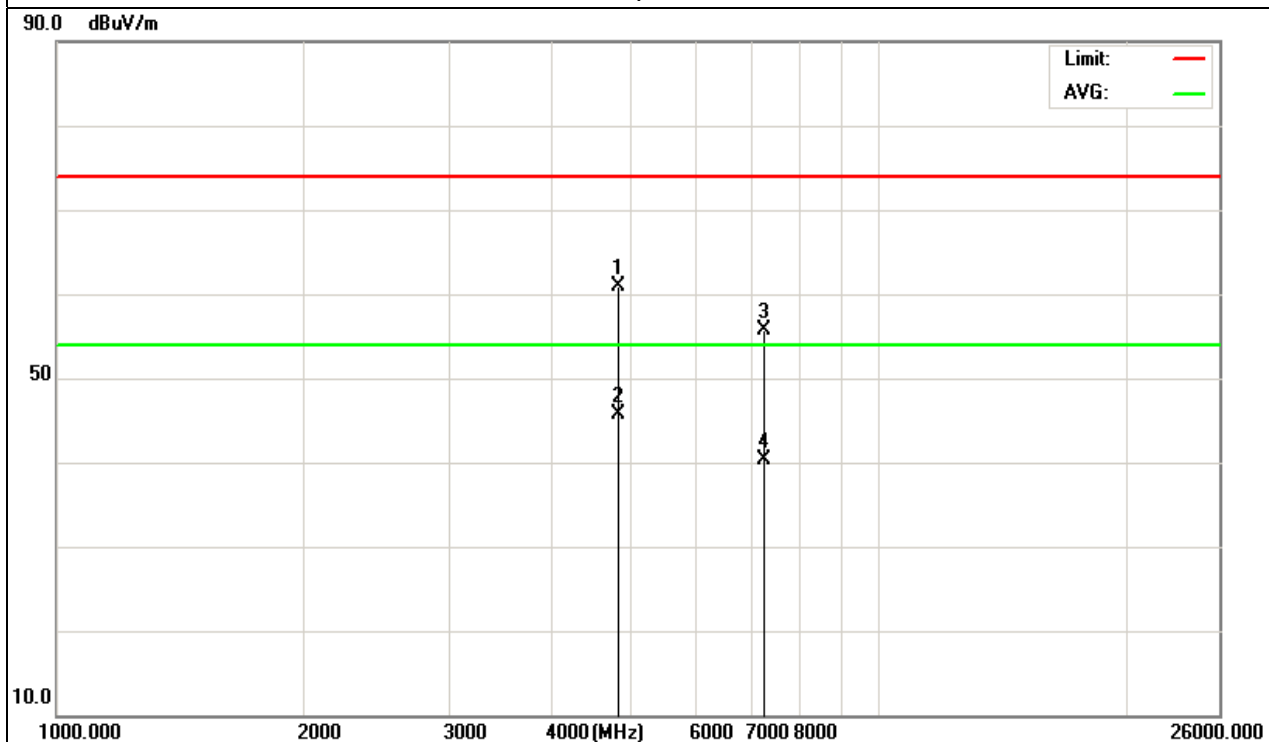


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1 (802.11g Mode)/2412	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.156	50.54	10.44	60.98	74.00	-13.02	peak
4824.156	35.31	10.44	45.75	54.00	-8.25	AVG
7236.143	43.23	12.39	55.62	74.00	-18.38	peak
7236.143	27.98	12.39	40.37	54.00	-13.63	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

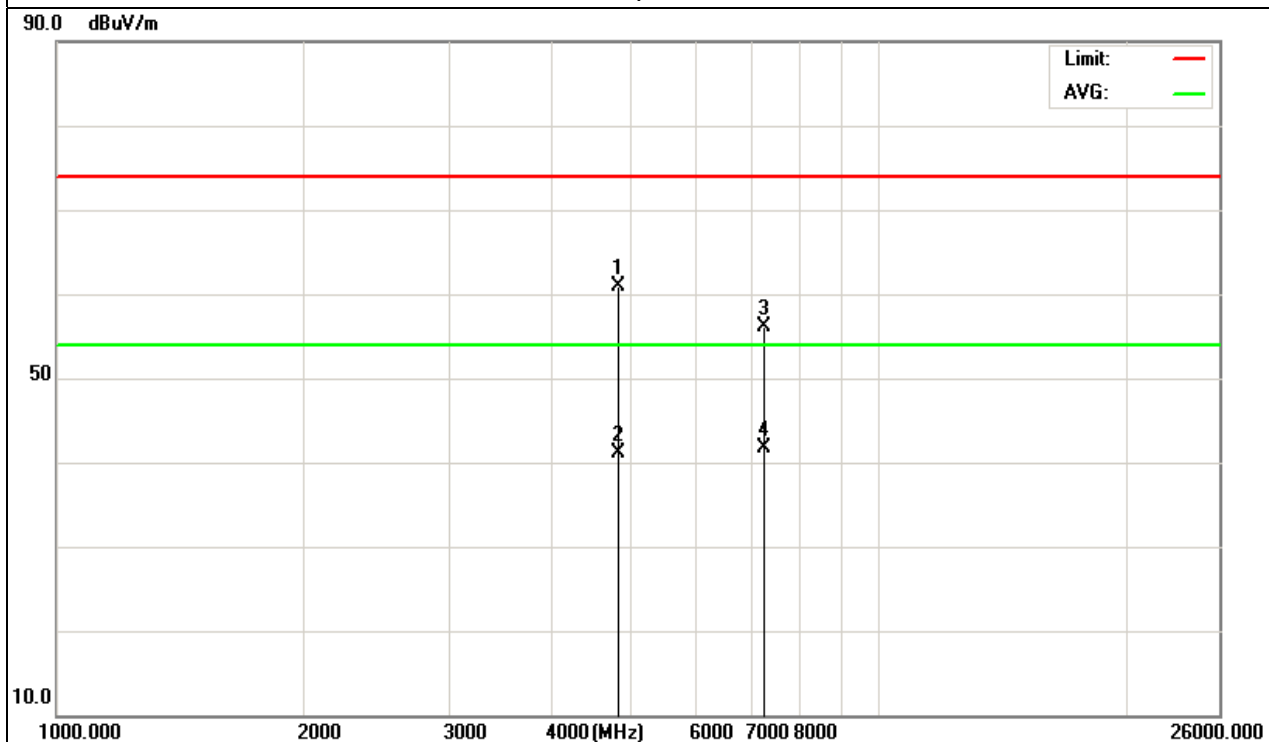


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1 (802.11g Mode)/2412	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.155	50.52	10.44	60.96	74.00	-13.04	peak
4824.155	30.62	10.44	41.06	54.00	-12.94	AVG
7236.227	43.69	12.39	56.08	74.00	-17.92	peak
7236.227	29.31	12.39	41.70	54.00	-12.30	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

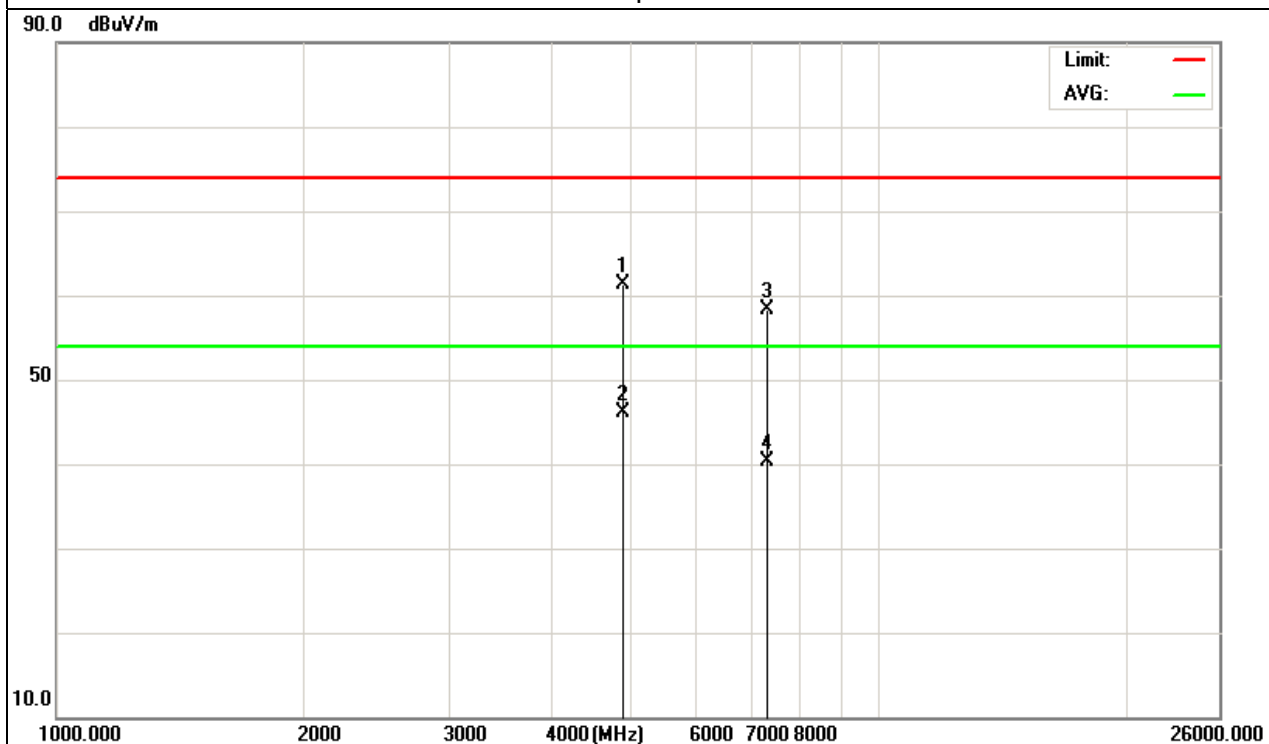


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH6 (802.11g Mode)/2437	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.151	50.93	10.40	61.33	74.00	-12.67	peak
4874.151	35.69	10.40	46.09	54.00	-7.91	AVG
7311.138	45.53	12.75	58.28	74.00	-15.72	peak
7311.138	27.49	12.75	40.24	54.00	-13.76	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

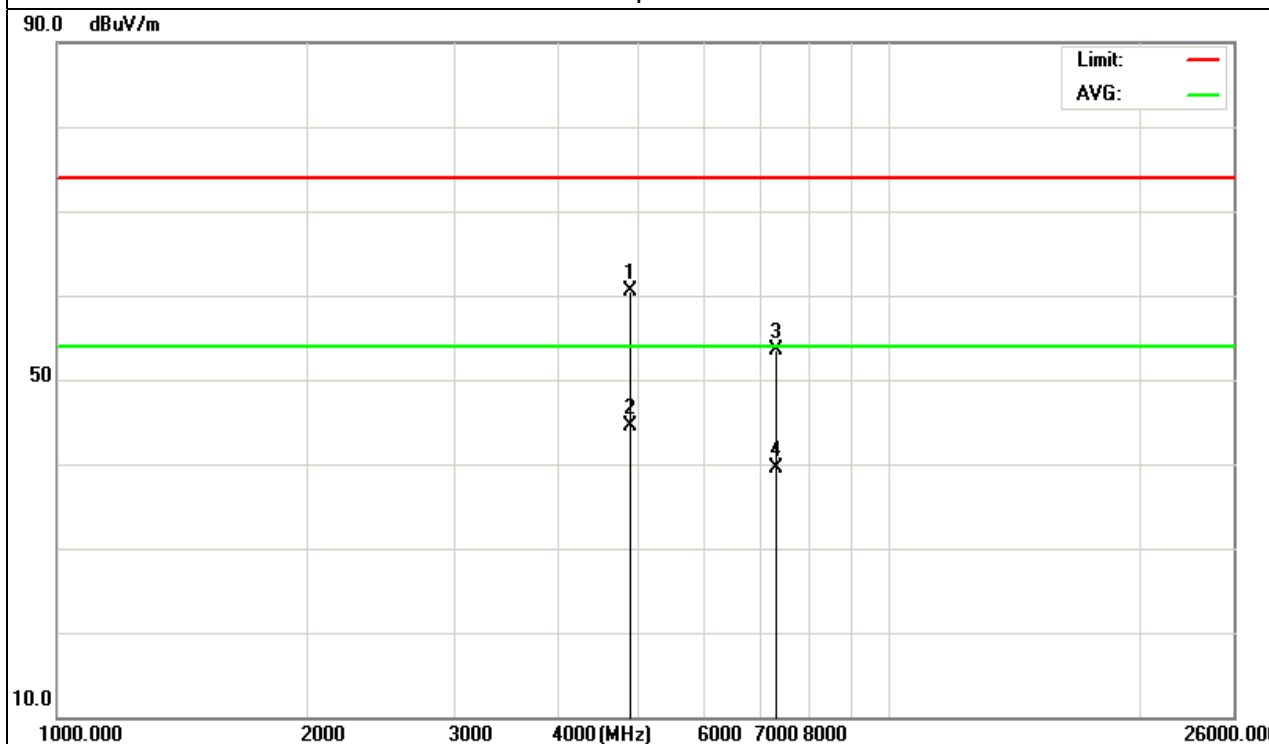


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH6 (802.11g Mode)/2437	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.141	50.12	10.40	60.52	74.00	-13.48	peak
4874.141	34.15	10.40	44.55	54.00	-9.45	AVG
7311.176	40.73	12.75	53.48	74.00	-20.52	peak
7311.176	26.67	12.75	39.42	54.00	-14.58	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

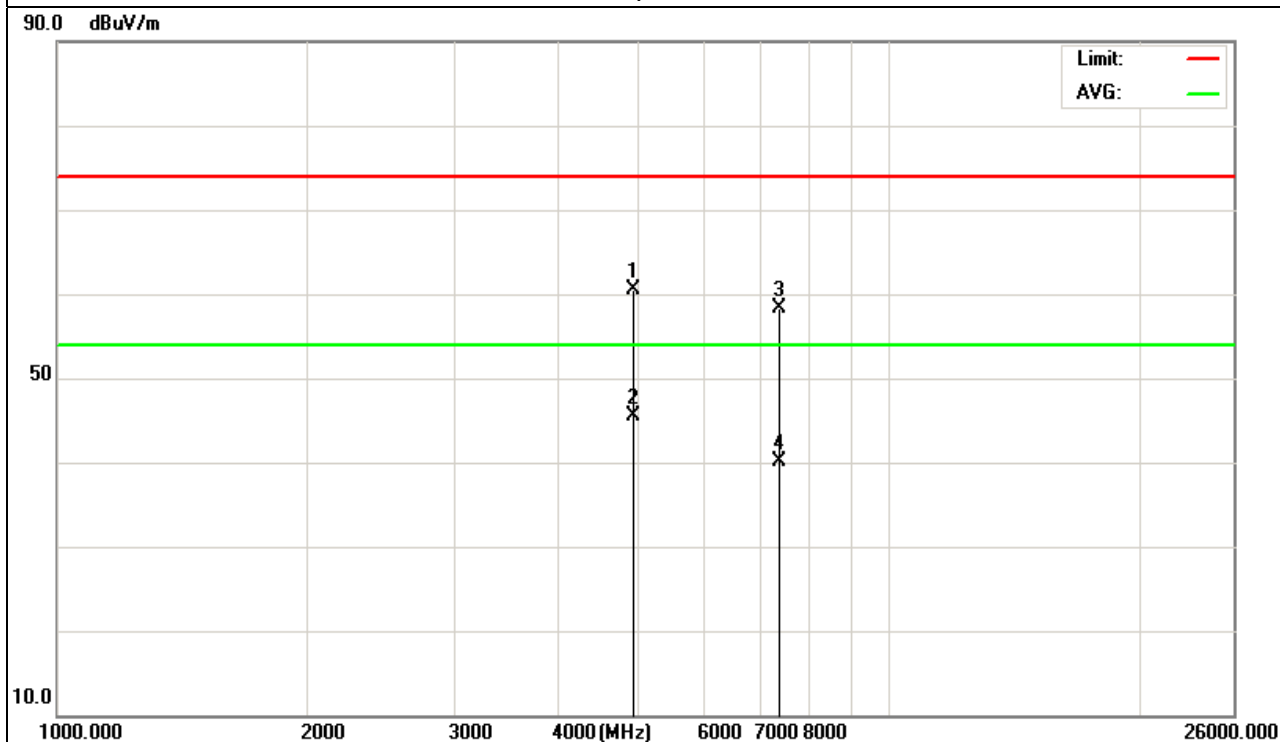


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11 (802.11g Mode)/2462	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.138	50.12	10.39	60.51	74.00	-13.49	peak
4924.138	35.13	10.39	45.52	54.00	-8.48	AVG
7386.149	45.56	12.68	58.24	74.00	-15.76	peak
7386.149	27.46	12.68	40.14	54.00	-13.86	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

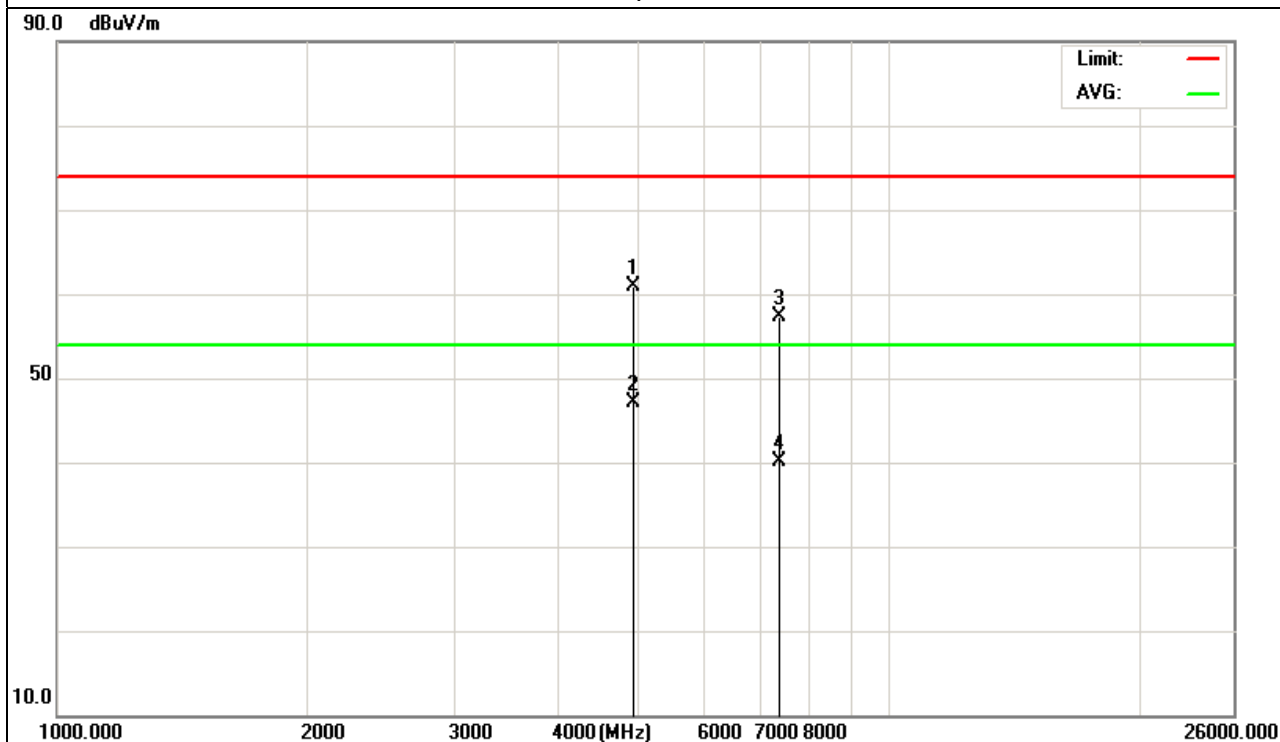


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11(802.11g Mode)/2462	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.157	50.56	10.39	60.95	74.00	-13.05	peak
4924.157	36.74	10.39	47.13	54.00	-6.87	AVG
7386.132	44.56	12.68	57.24	74.00	-16.76	peak
7386.132	27.46	12.68	40.14	54.00	-13.86	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

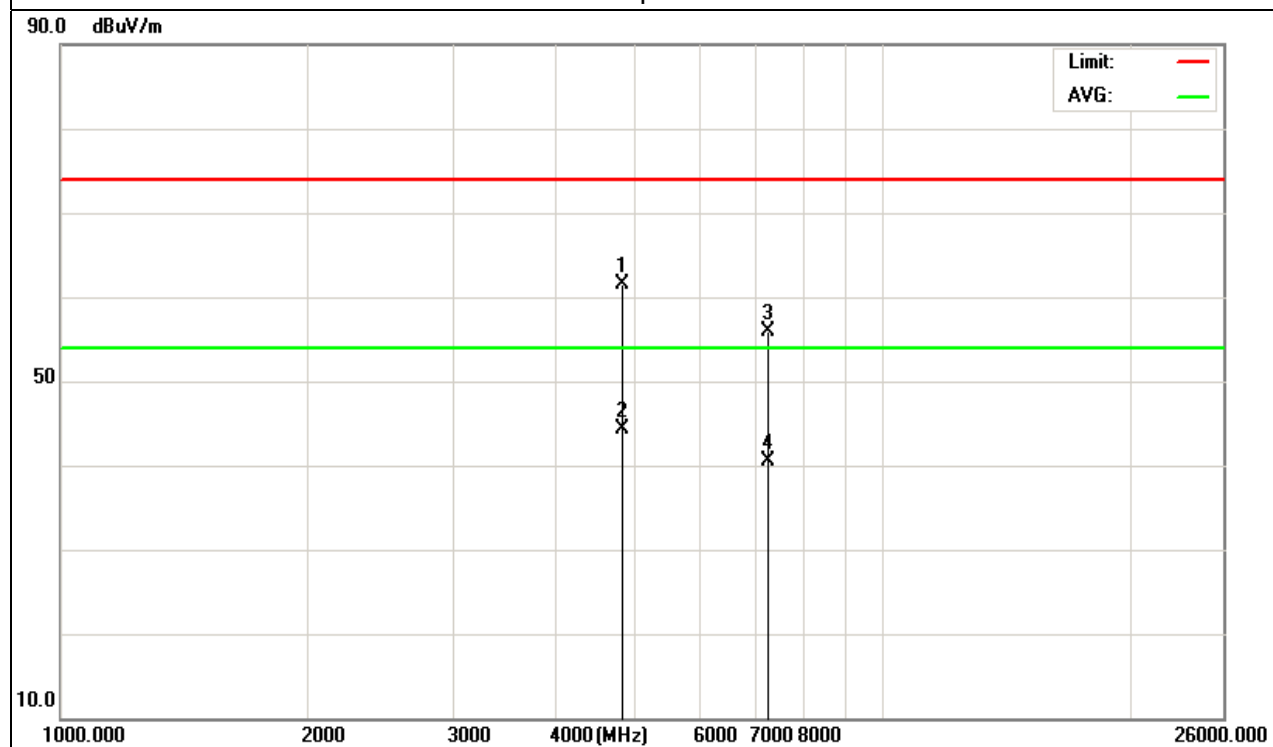


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1(802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.142	51.11	10.44	61.55	74.00	-12.45	peak
4824.142	33.93	10.44	44.37	54.00	-9.63	AVG
7236.126	43.54	12.39	55.93	74.00	-18.07	peak
7236.126	28.05	12.39	40.44	54.00	-13.56	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

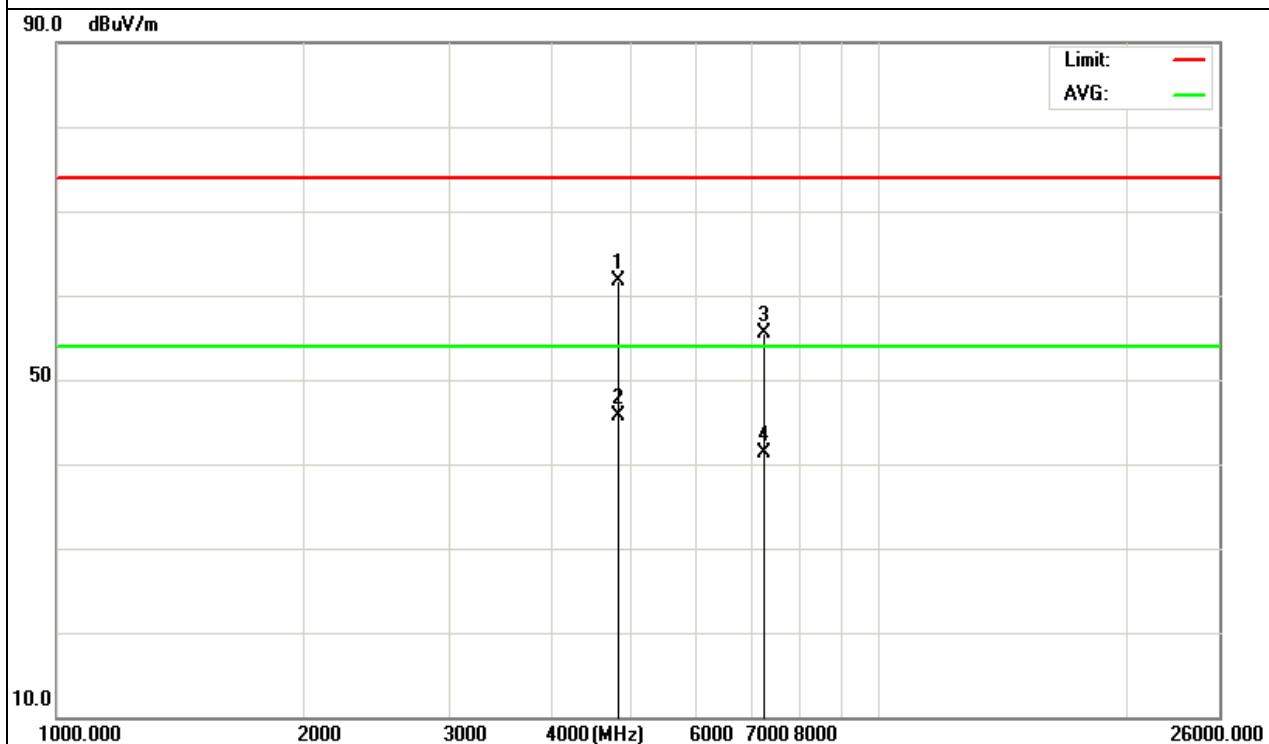


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1(802.11n Mode)/20MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.143	51.27	10.44	61.71	74.00	-12.29	peak
4824.143	35.23	10.44	45.67	54.00	-8.33	AVG
7236.140	43.17	12.39	55.56	74.00	-18.44	peak
7236.140	28.95	12.39	41.34	54.00	-12.66	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

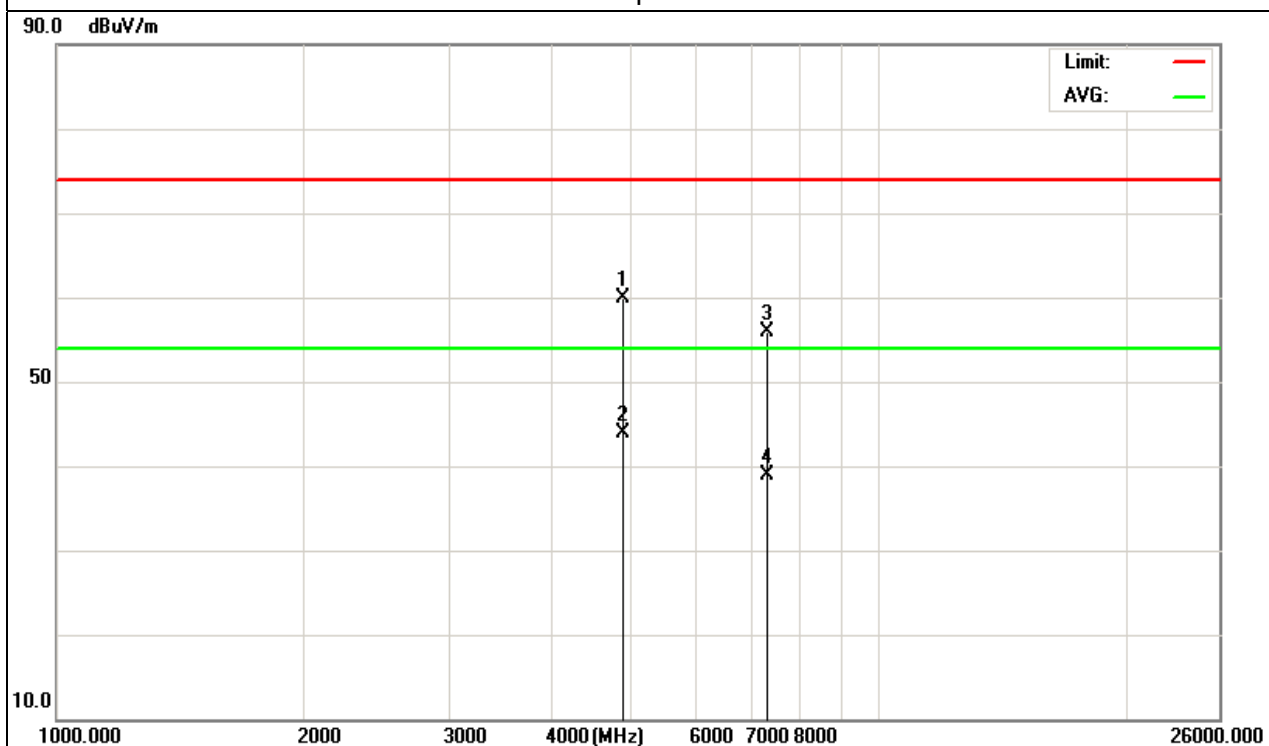


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH6(802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.163	49.55	10.40	59.95	74.00	-14.05	peak
4874.163	33.56	10.40	43.96	54.00	-10.04	AVG
7311.165	43.13	12.75	55.88	74.00	-18.12	peak
7311.165	26.23	12.75	38.98	54.00	-15.02	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

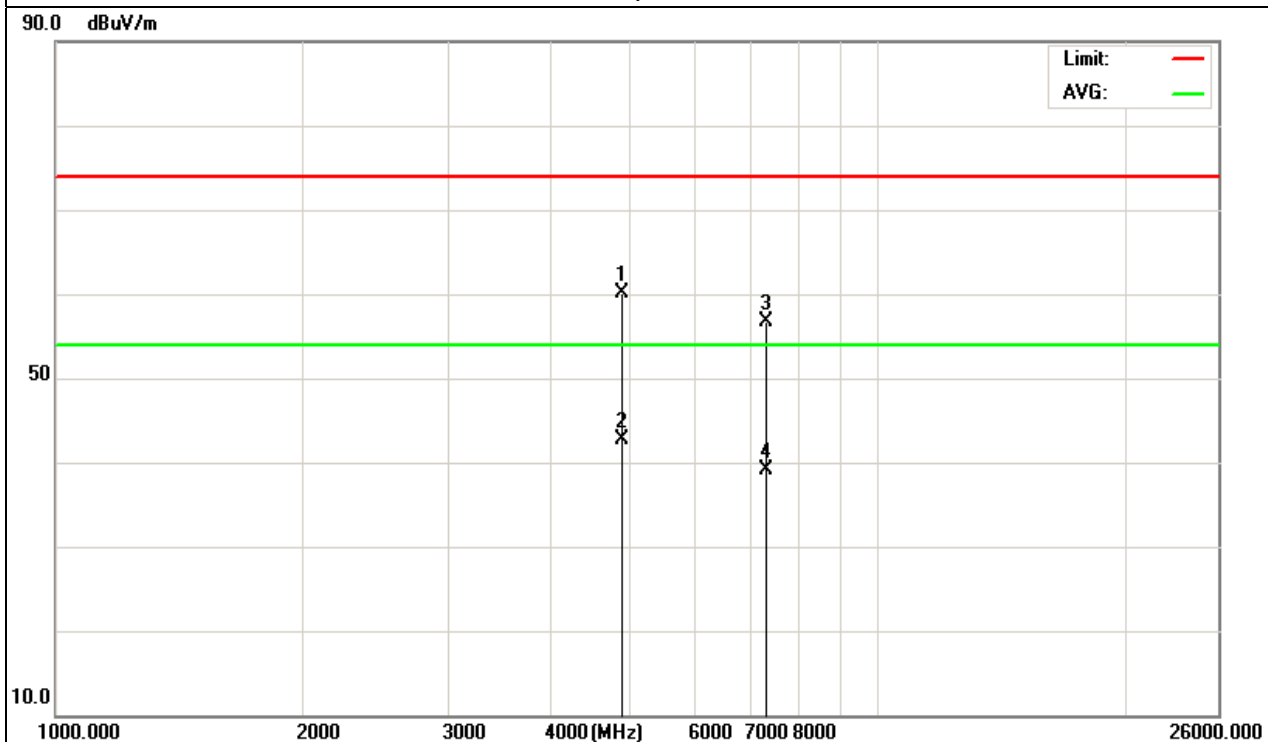


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH6(802.11n Mode)/20MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.162	49.73	10.40	60.13	74.00	-13.87	peak
4874.162	32.35	10.40	42.75	54.00	-11.25	AVG
7311.127	43.99	12.75	56.74	74.00	-17.26	peak
7311.127	26.26	12.75	39.01	54.00	-14.99	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

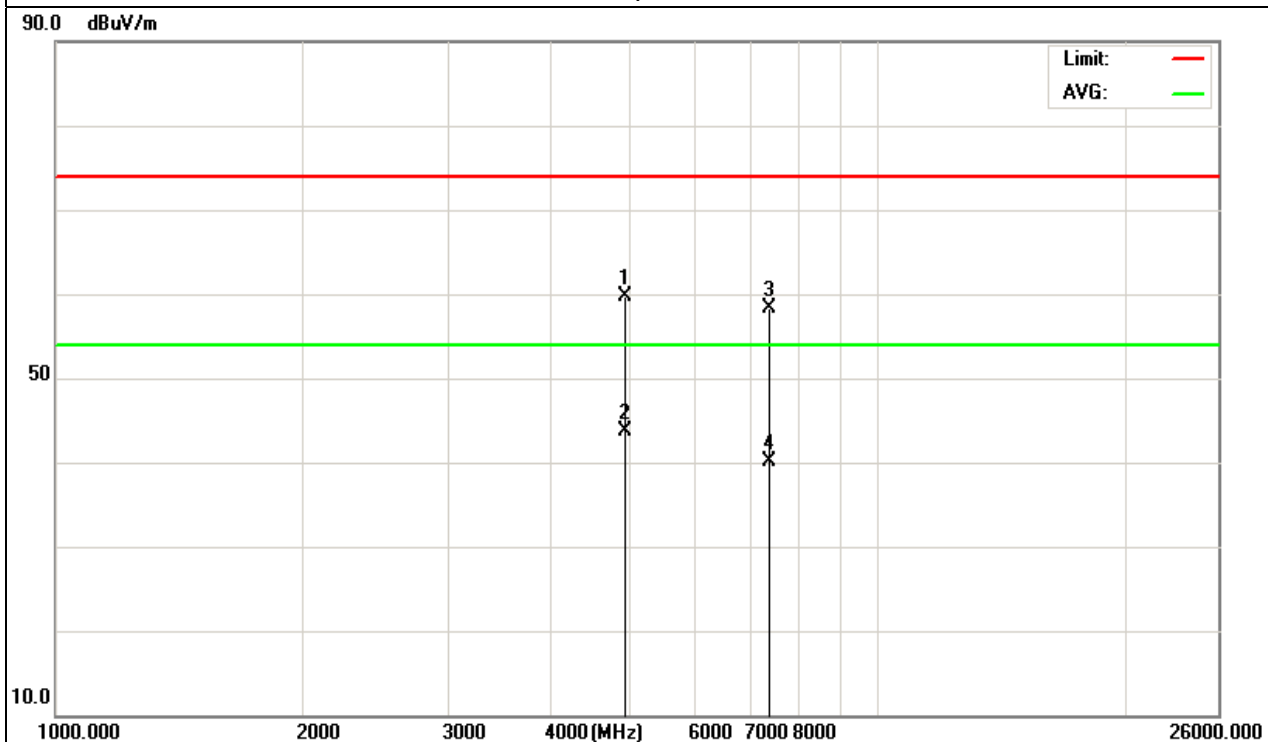


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11(802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.155	49.32	10.39	59.71	74.00	-14.29	peak
4924.155	33.35	10.39	43.74	54.00	-10.26	AVG
7386.173	45.61	12.68	58.29	74.00	-15.71	peak
7386.173	27.51	12.68	40.19	54.00	-13.81	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

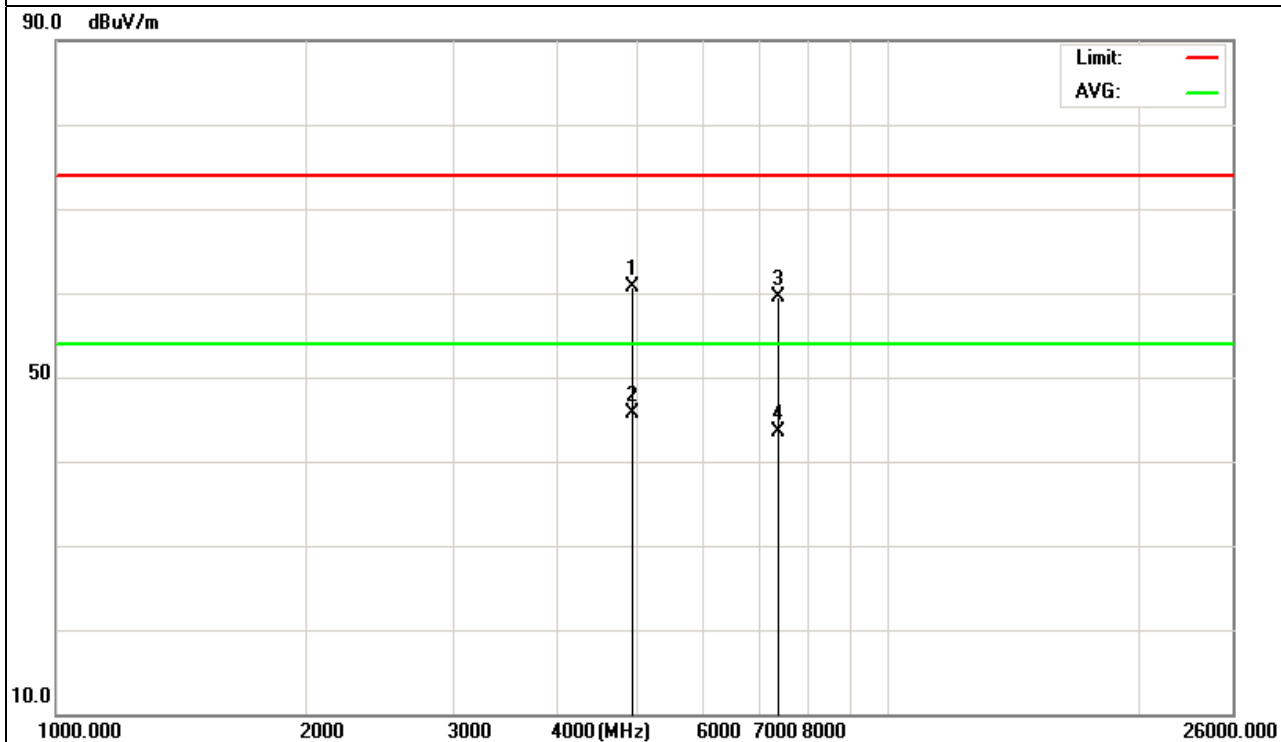


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11(802.11n Mode)/20MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4924.141	50.25	10.39	60.64	74.00	-13.36	peak
4924.141	35.36	10.39	45.75	54.00	-8.25	AVG
7386.189	46.89	12.68	59.57	74.00	-14.43	peak
7386.189	30.74	12.68	43.42	54.00	-10.58	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

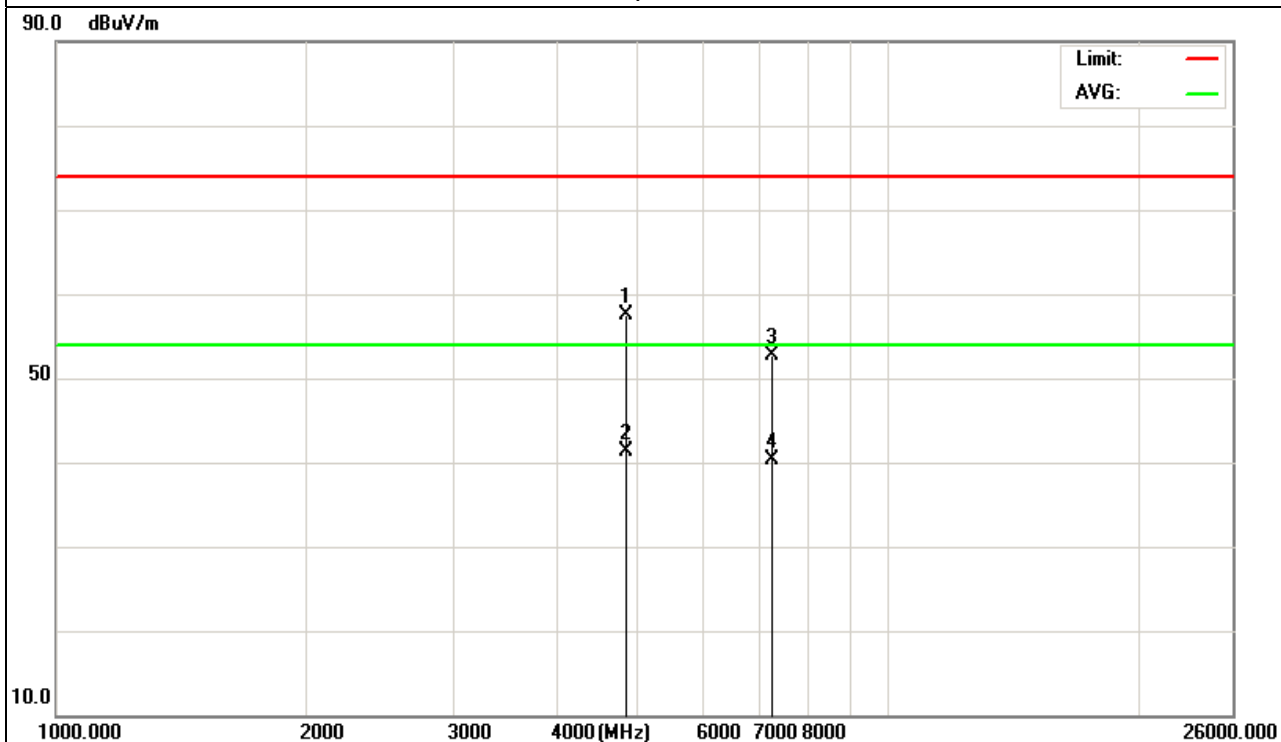


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH3(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844.325	47.06	10.50	57.56	74.00	-16.44	peak
4844.325	30.90	10.50	41.40	54.00	-12.60	AVG
7266.258	40.16	12.50	52.66	74.00	-21.34	peak
7266.258	27.80	12.50	40.30	54.00	-13.70	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

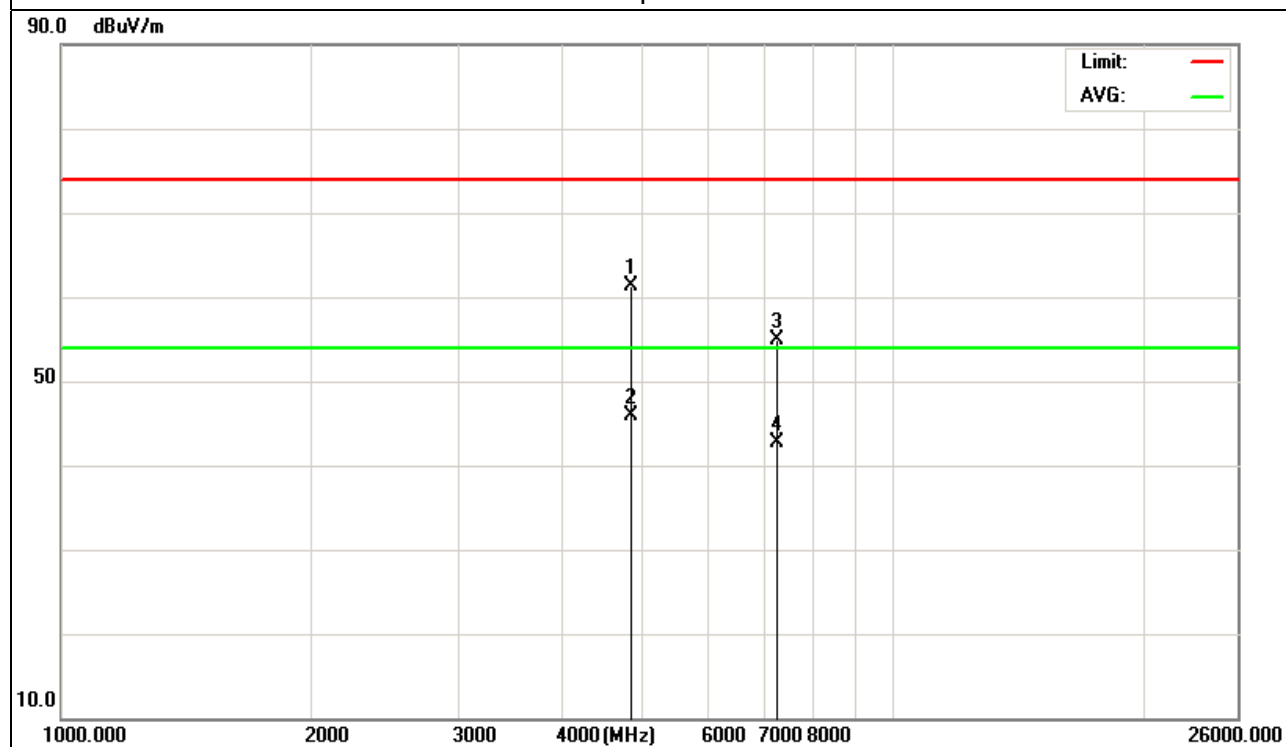


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH3(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844.156	50.83	10.50	61.33	74.00	-12.67	peak
4844.156	35.45	10.50	45.95	54.00	-8.05	AVG
7266.319	42.45	12.50	54.95	74.00	-19.05	peak
7266.319	30.15	12.50	42.65	54.00	-11.35	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

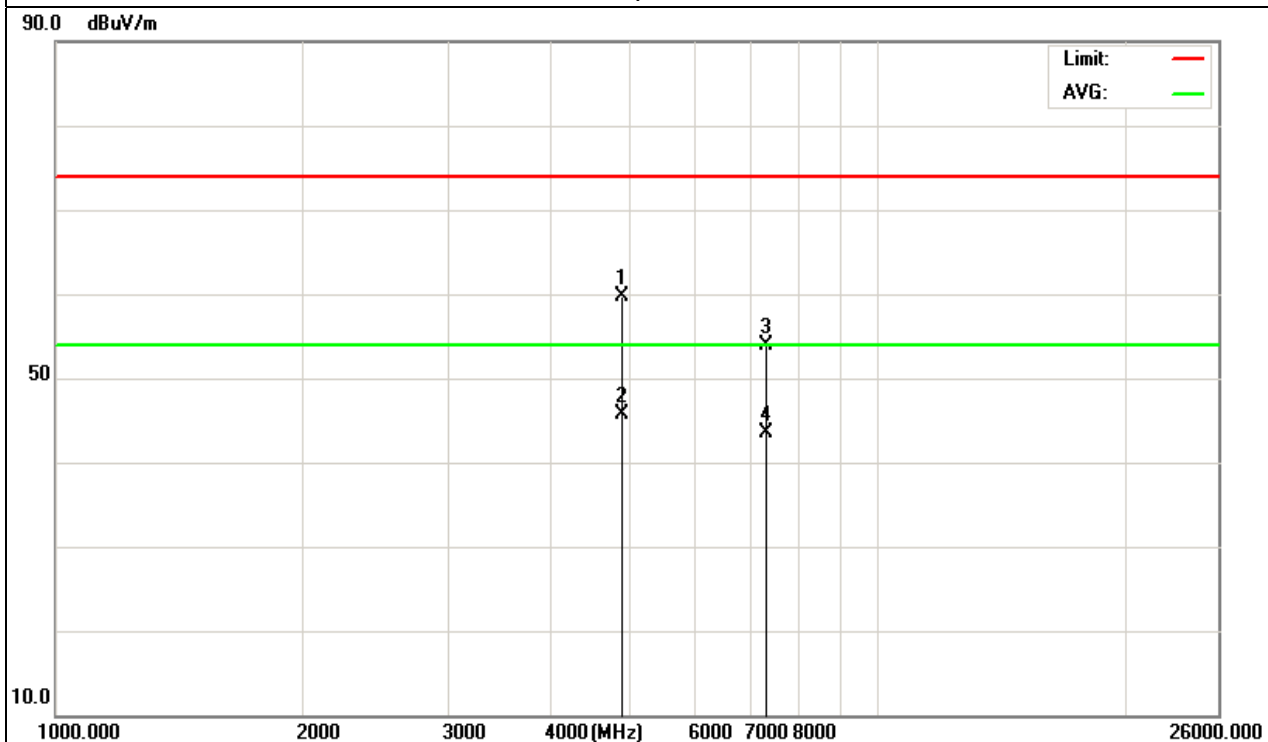


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH6(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.535	49.25	10.40	59.65	74.00	-14.35	peak
4874.535	35.34	10.40	45.74	54.00	-8.26	AVG
7311.633	41.19	12.75	53.94	74.00	-20.06	peak
7311.633	30.68	12.75	43.43	54.00	-10.57	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

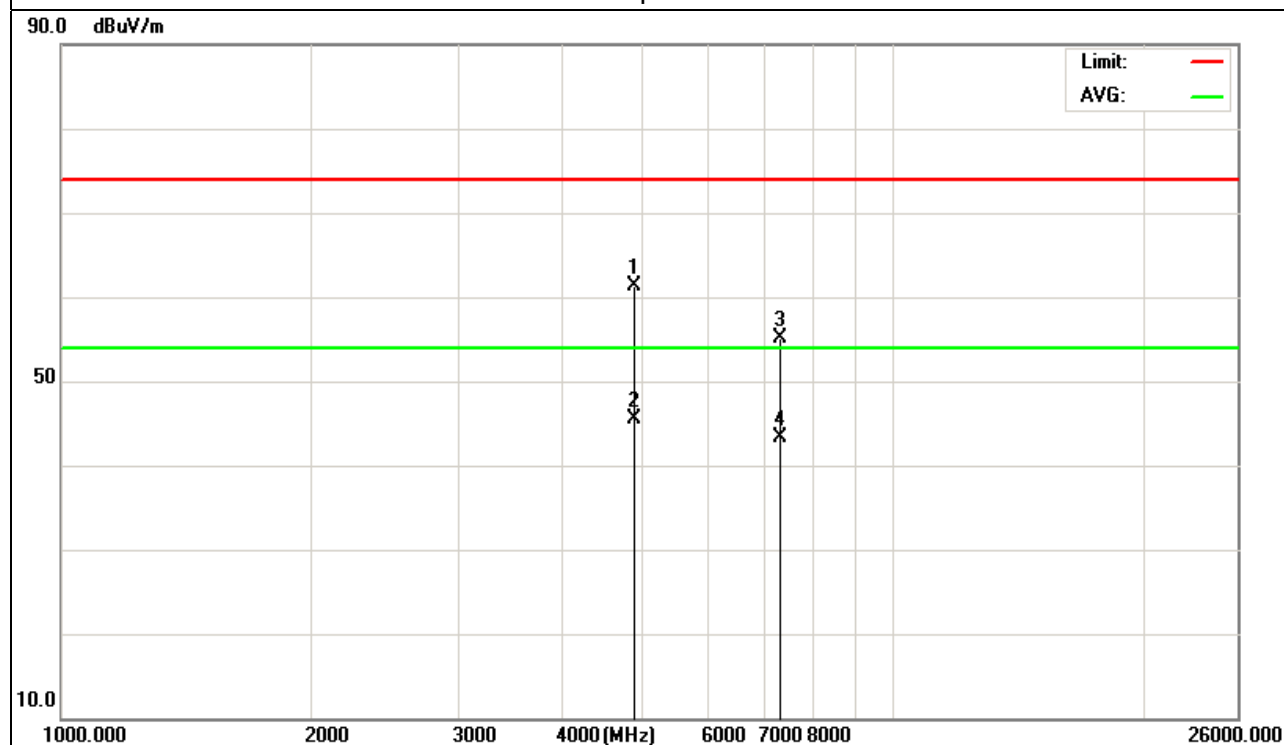


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH6(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.238	50.85	10.40	61.25	74.00	-12.75	peak
4874.238	35.14	10.40	45.54	54.00	-8.46	AVG
7311.159	42.36	12.75	55.11	74.00	-18.89	peak
7311.159	30.57	12.75	43.32	54.00	-10.68	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

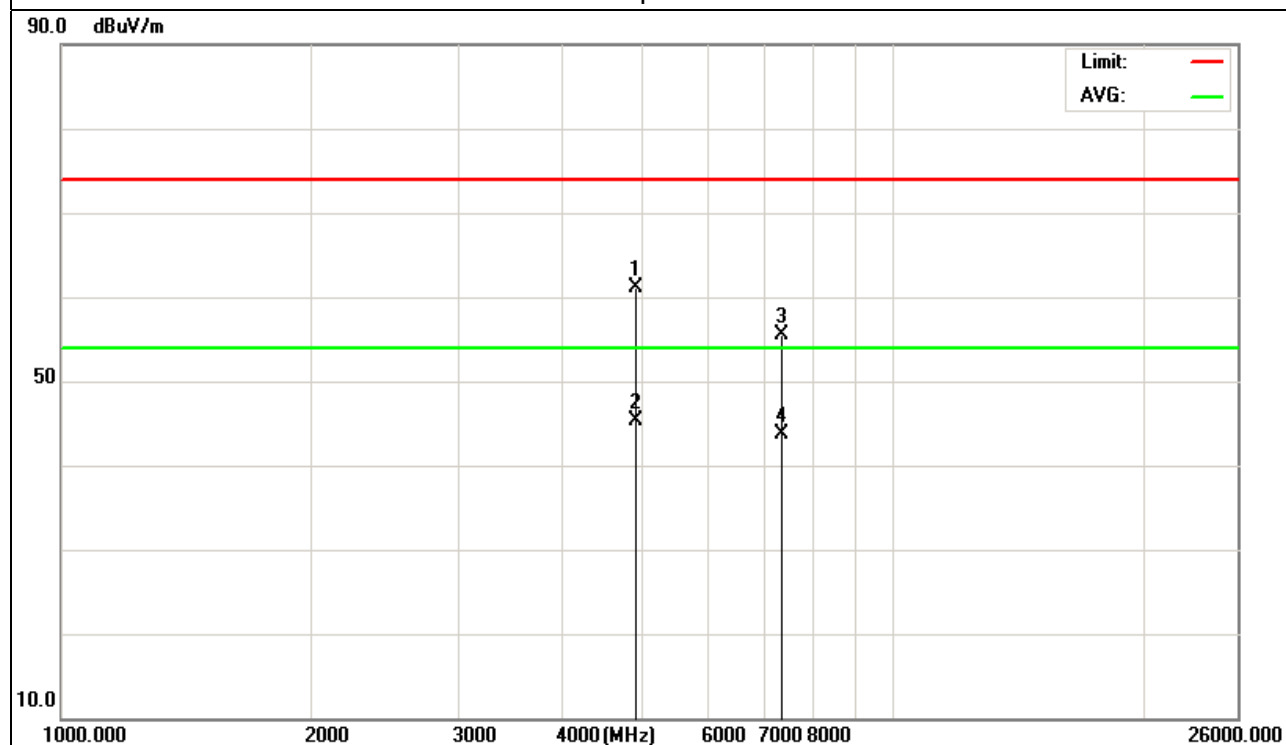


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH9(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4904.160	50.86	10.29	61.15	74.00	-12.85	peak
4904.160	35.00	10.29	45.29	54.00	-8.71	AVG
7356.423	42.68	12.79	55.47	74.00	-18.53	peak
7356.423	30.89	12.79	43.68	54.00	-10.32	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

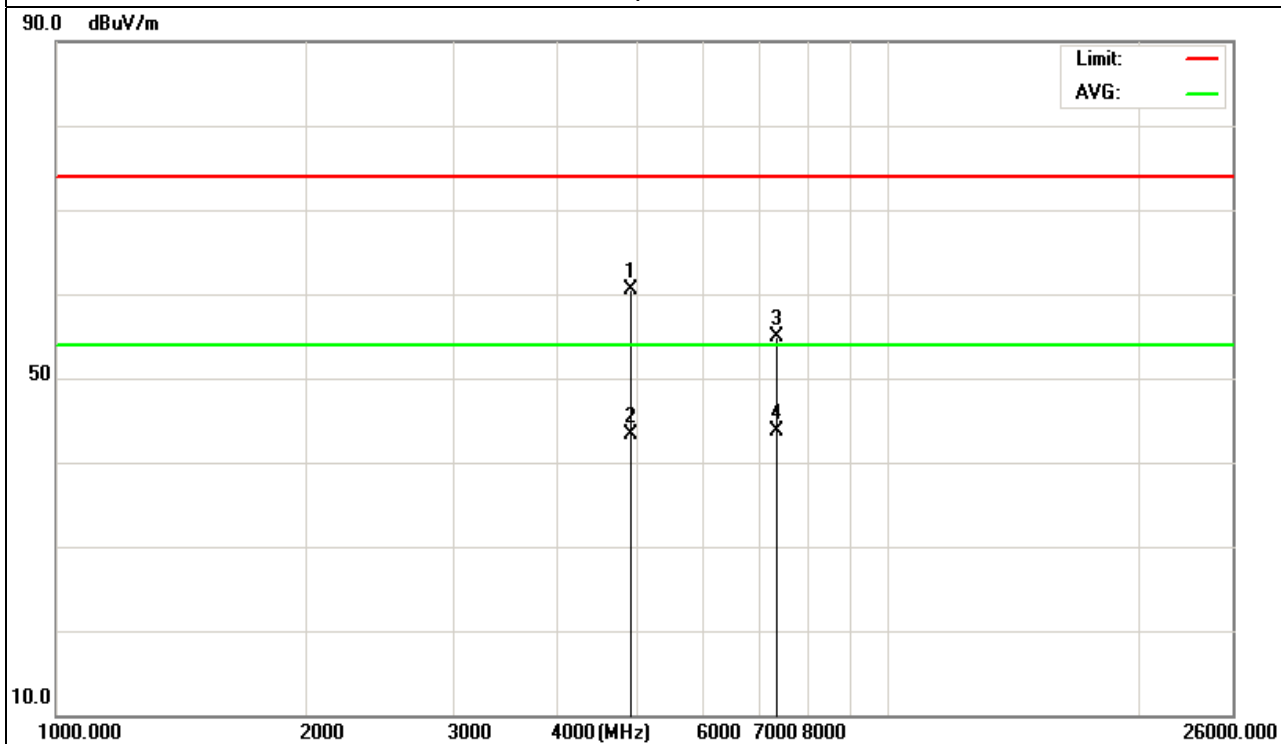


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH9(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4904.345	50.13	10.29	60.42	74.00	-13.58	peak
4904.345	33.03	10.29	43.32	54.00	-10.68	AVG
7356.247	42.03	12.79	54.82	74.00	-19.18	peak
7356.247	30.82	12.79	43.61	54.00	-10.39	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.



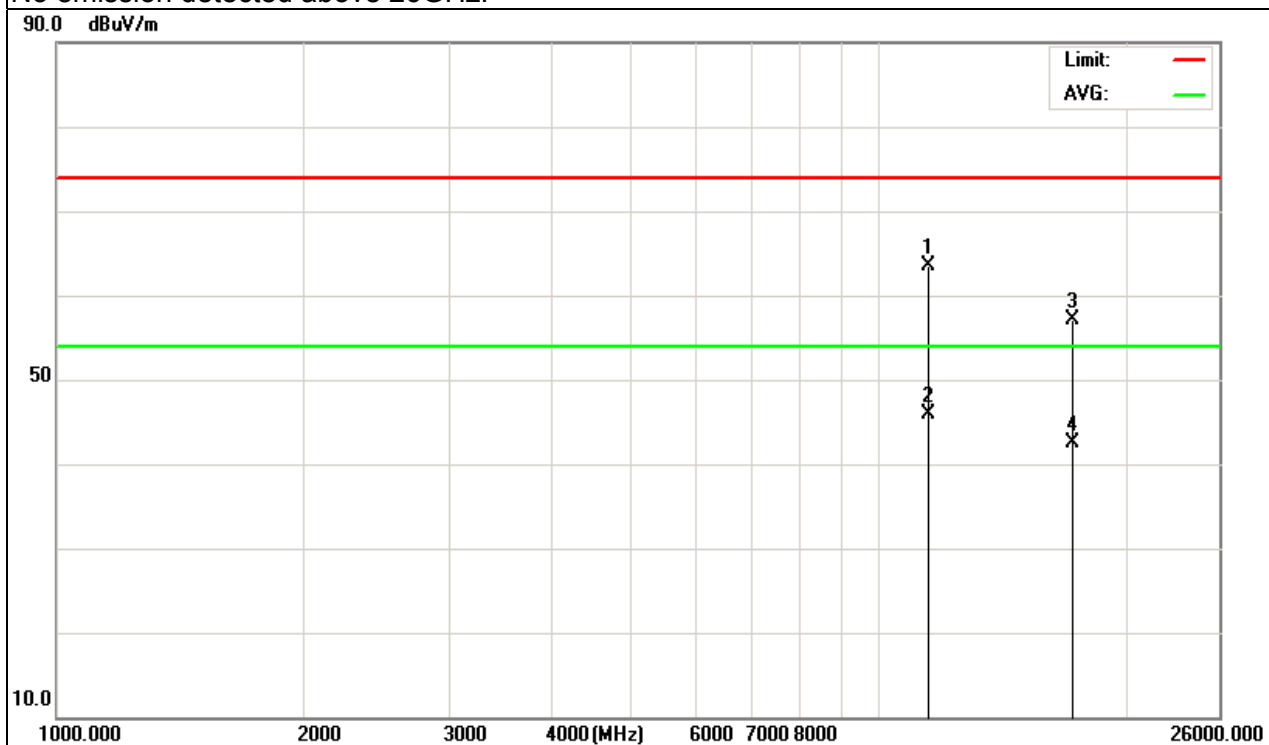
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11a/5745MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
11490.015	45.31	18.10	63.41	74.00	-10.59	peak
11490.015	27.83	18.10	45.93	54.00	-8.07	AVG
17235.032	25.79	31.36	57.15	74.00	-16.85	peak
17235.032	11.13	31.36	42.49	54.00	-11.51	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



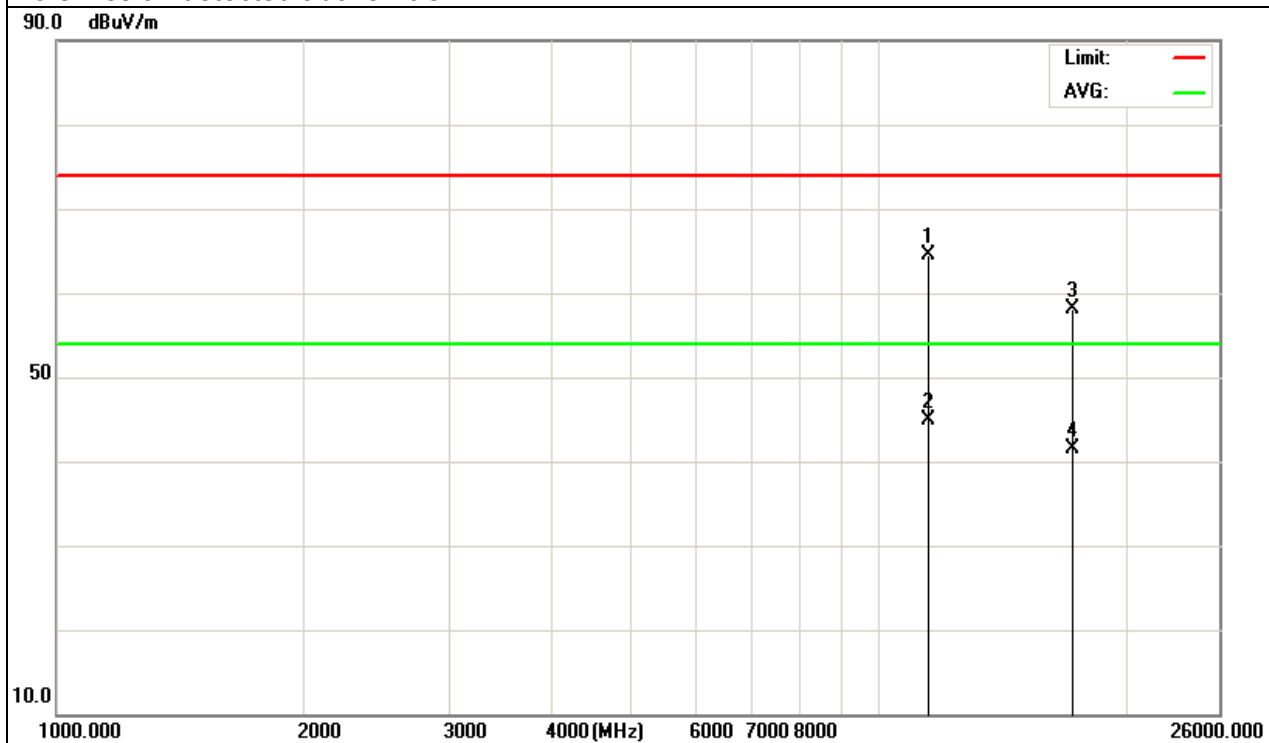
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11a/5745MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
11490.058	46.33	18.10	64.43	74.00	-9.57	peak
11490.058	26.81	18.10	44.91	54.00	-9.09	AVG
17235.036	26.80	31.36	58.16	74.00	-15.84	peak
17235.036	10.19	31.36	41.55	54.00	-12.45	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



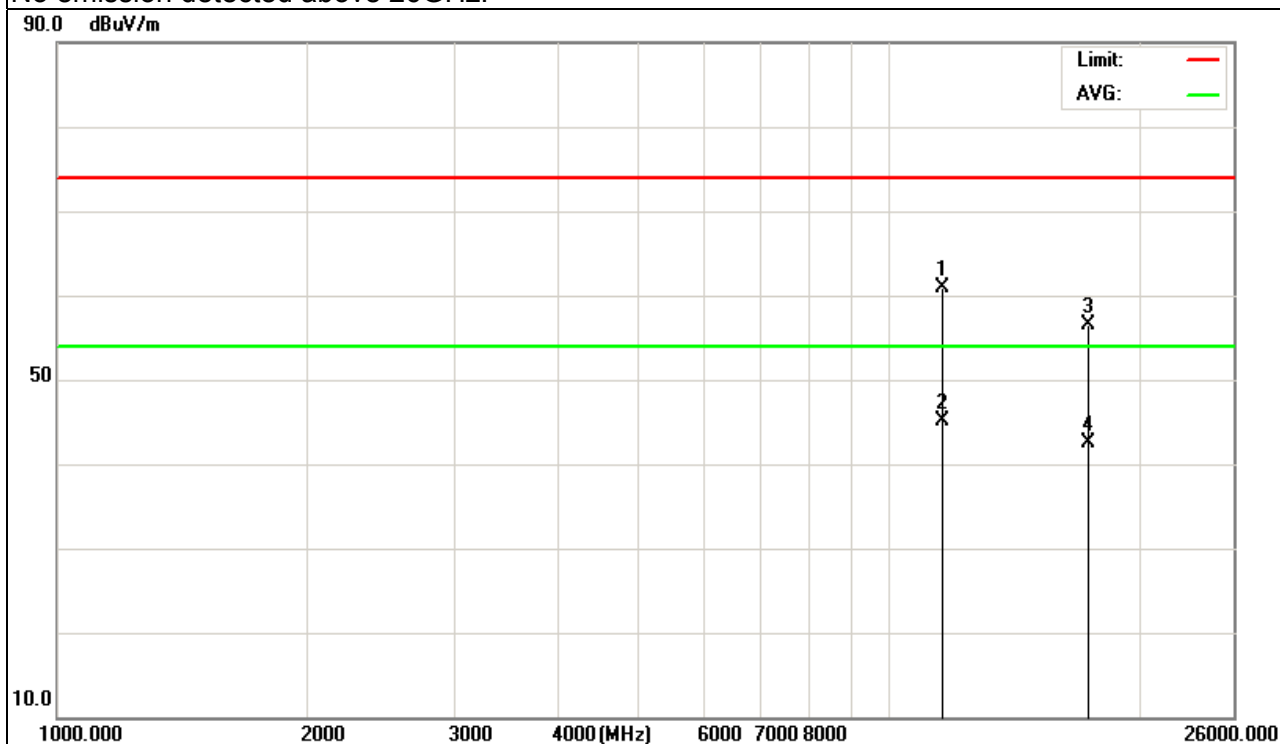
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11a/5785MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
11570.068	42.75	18.10	60.85	74.00	-13.15	peak
11570.068	26.93	18.10	45.03	54.00	-8.97	AVG
17355.148	25.61	30.95	56.56	74.00	-17.44	peak
17355.148	11.46	30.95	42.41	54.00	-11.59	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



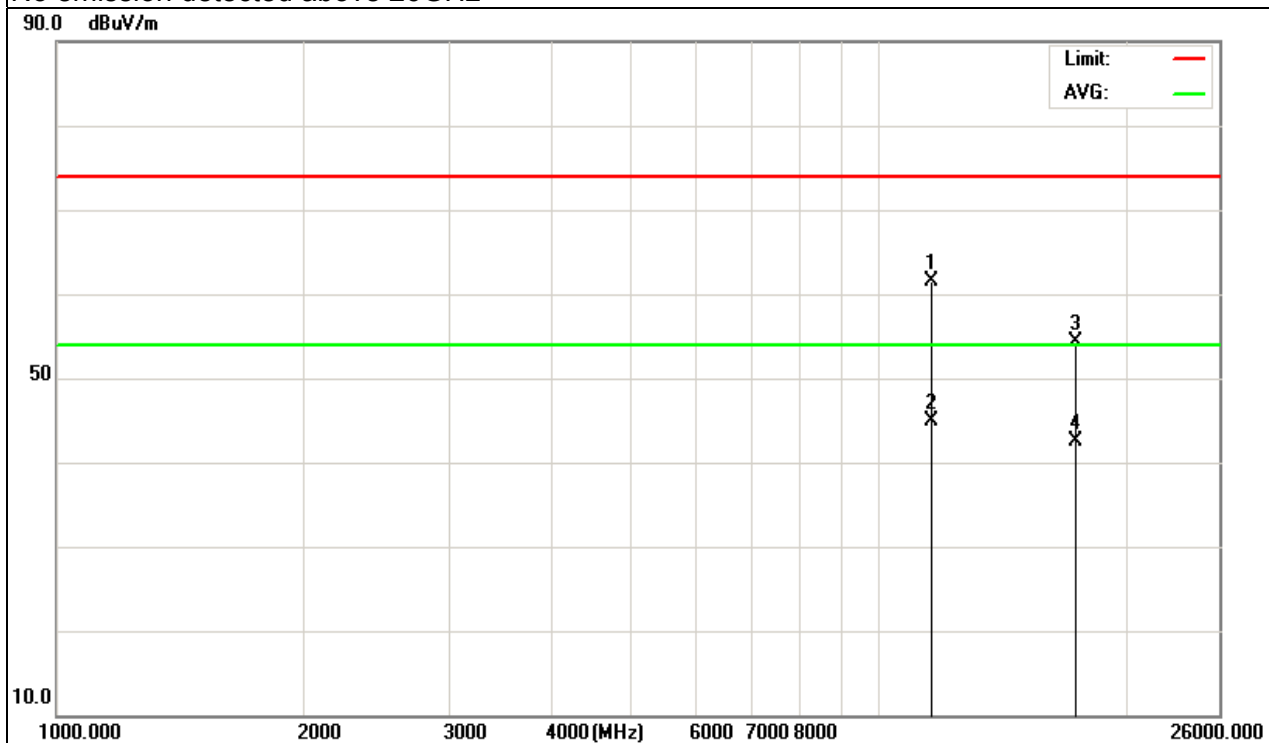
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11a/5785MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
11570.135	43.36	18.11	61.47	74.00	-12.53	peak
11570.135	26.88	18.11	44.99	54.00	-9.01	AVG
17355.108	23.33	30.95	54.28	74.00	-19.72	peak
17355.108	11.52	30.95	42.47	54.00	-11.53	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz



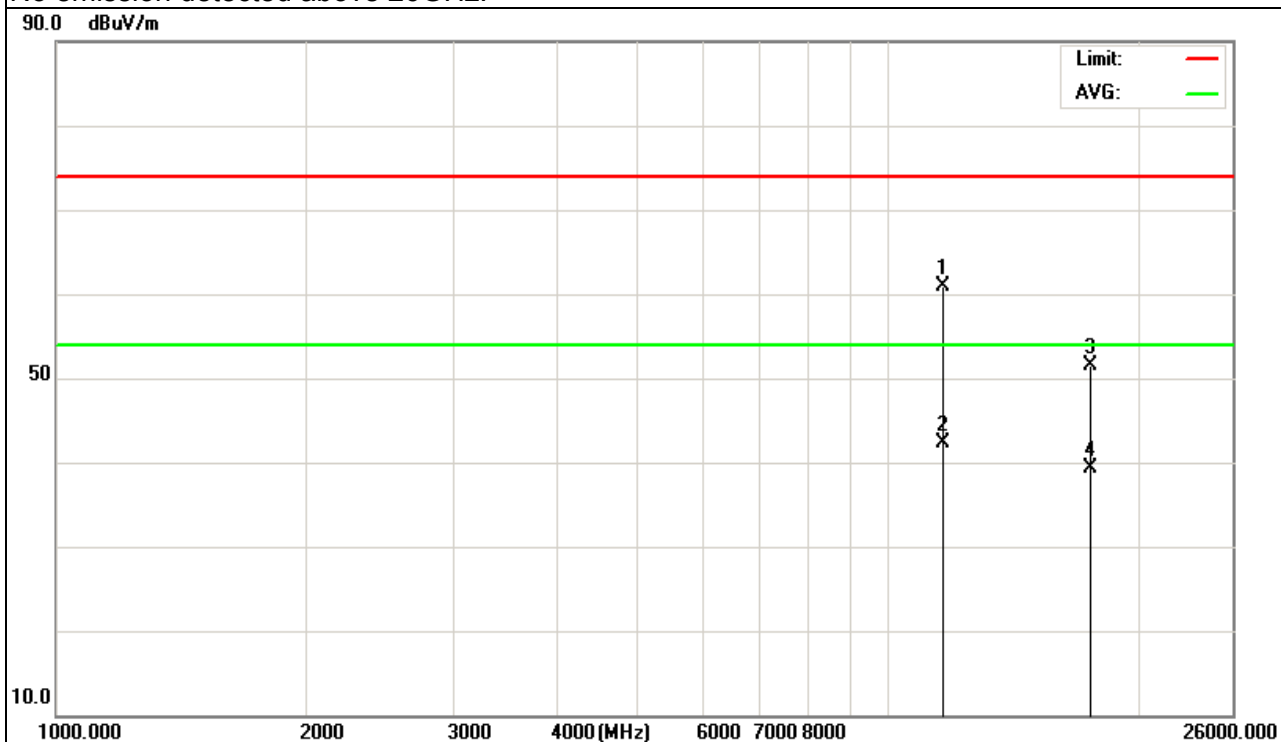
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11a/5825MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
11650.286	42.13	18.70	60.83	74.00	-13.17	peak
11650.286	23.53	18.70	42.23	54.00	-11.77	AVG
17475.412	19.31	32.21	51.52	74.00	-22.48	peak
17475.412	7.15	32.21	39.36	54.00	-14.64	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



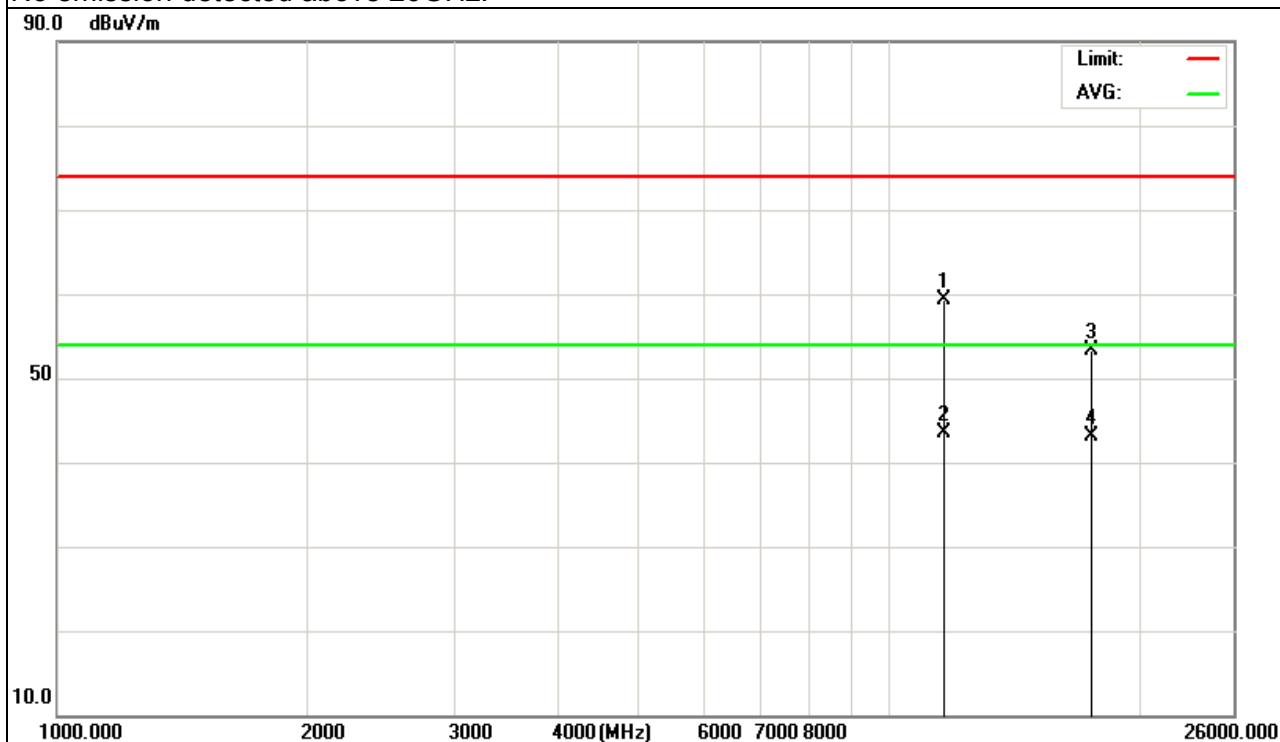
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11a/5825MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
11650.046	40.62	18.70	59.32	74.00	-14.68	peak
11650.046	24.78	18.70	43.48	54.00	-10.52	AVG
17475.178	21.00	32.22	53.22	74.00	-20.78	peak
17475.178	10.96	32.22	43.18	54.00	-10.82	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



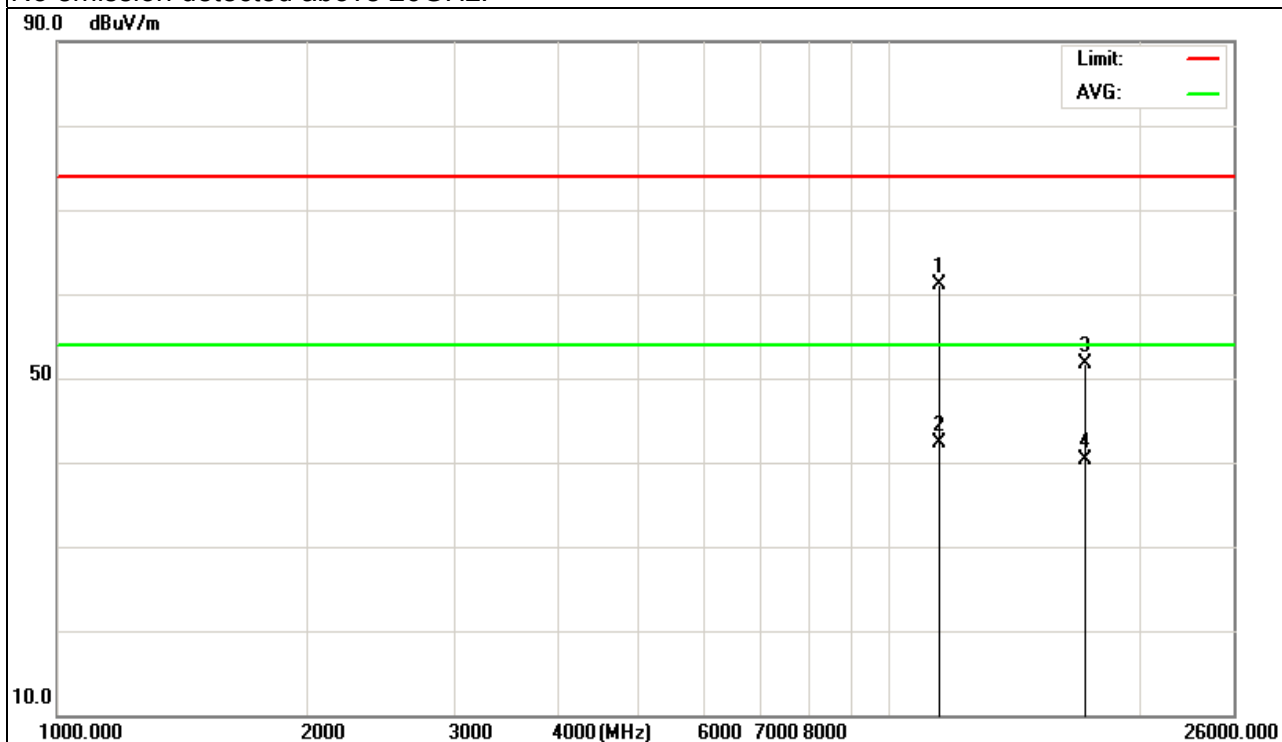
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11n(20)/5745MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
11490.420	42.96	18.10	61.06	74.00	-12.94	peak
11490.420	24.28	18.10	42.38	54.00	-11.62	AVG
17235.218	20.31	31.36	51.67	74.00	-22.33	peak
17235.218	9.03	31.36	40.39	54.00	-13.61	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



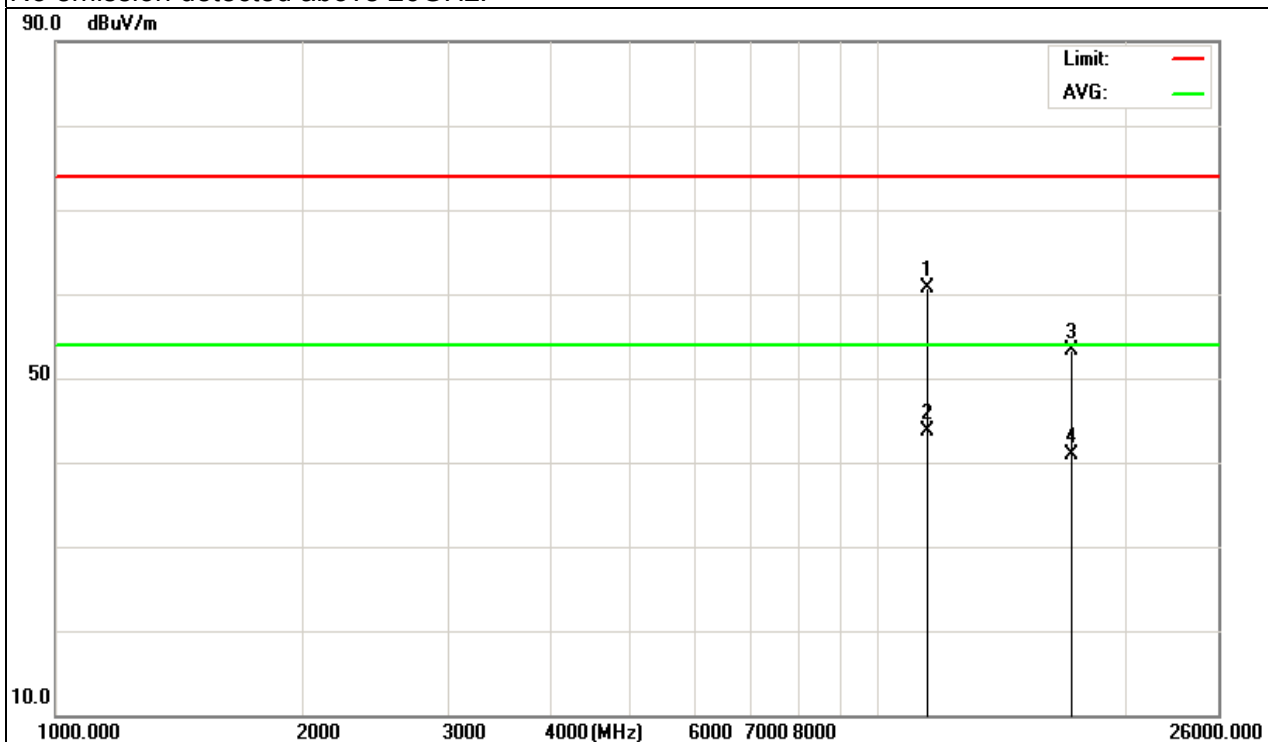
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11n(20)/5745MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
11490.086	42.65	18.10	60.75	74.00	-13.25	peak
11490.086	25.53	18.10	43.63	54.00	-10.37	AVG
17235.271	21.91	31.36	53.27	74.00	-20.73	peak
17235.271	9.57	31.36	40.93	54.00	-13.07	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



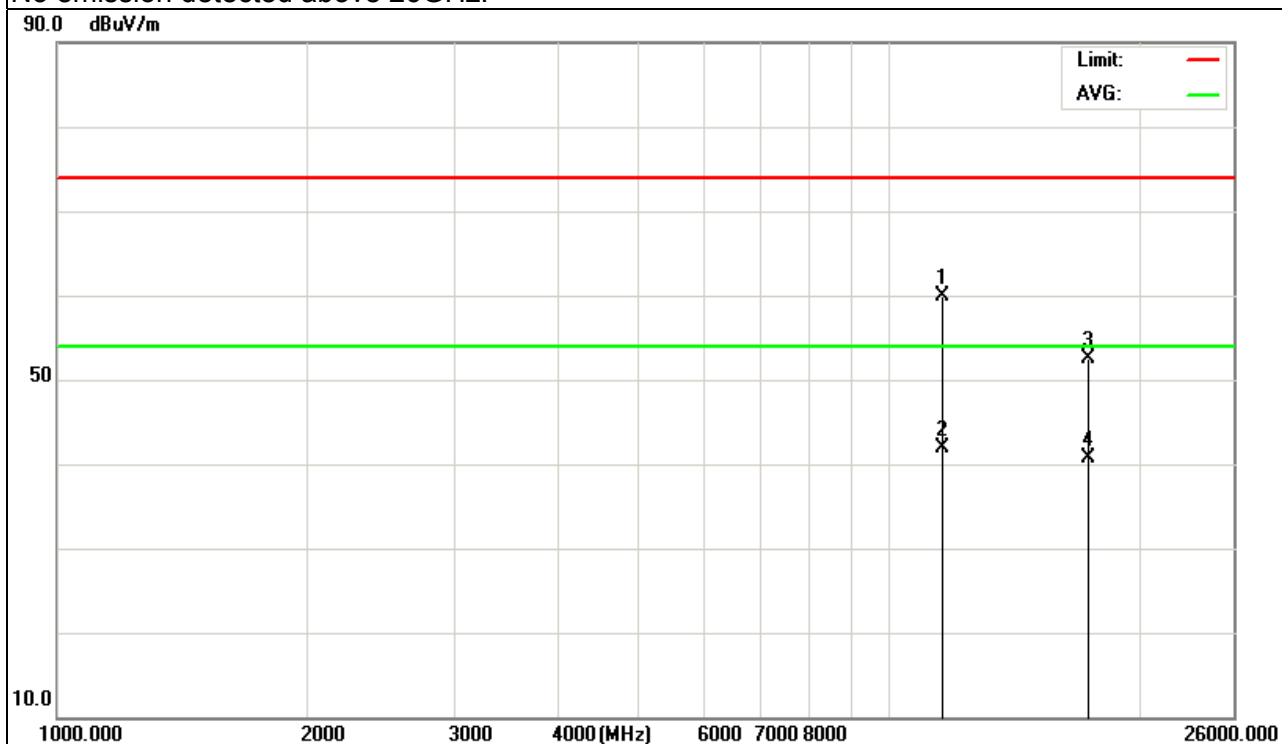
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11n(20)/5785MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
11570.312	41.76	18.11	59.87	74.00	-14.13	peak
11570.312	23.86	18.11	41.97	54.00	-12.03	AVG
17355.086	21.47	30.95	52.42	74.00	-21.58	peak
17355.086	9.67	30.95	40.62	54.00	-13.38	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



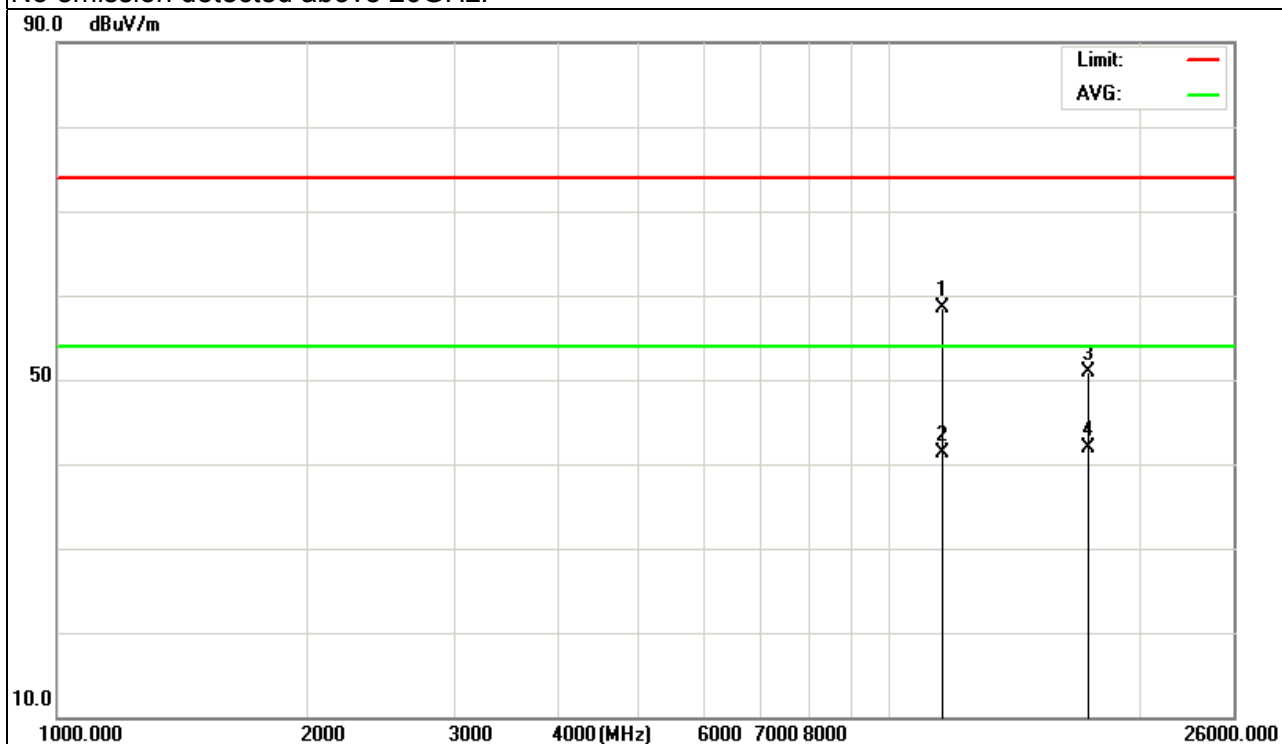
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11n(20)/5785MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
11570.441	40.46	18.11	58.57	74.00	-15.43	peak
11570.441	23.20	18.11	41.31	54.00	-12.69	AVG
17355.169	19.90	30.95	50.85	74.00	-23.15	peak
17355.169	10.97	30.95	41.92	54.00	-12.08	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



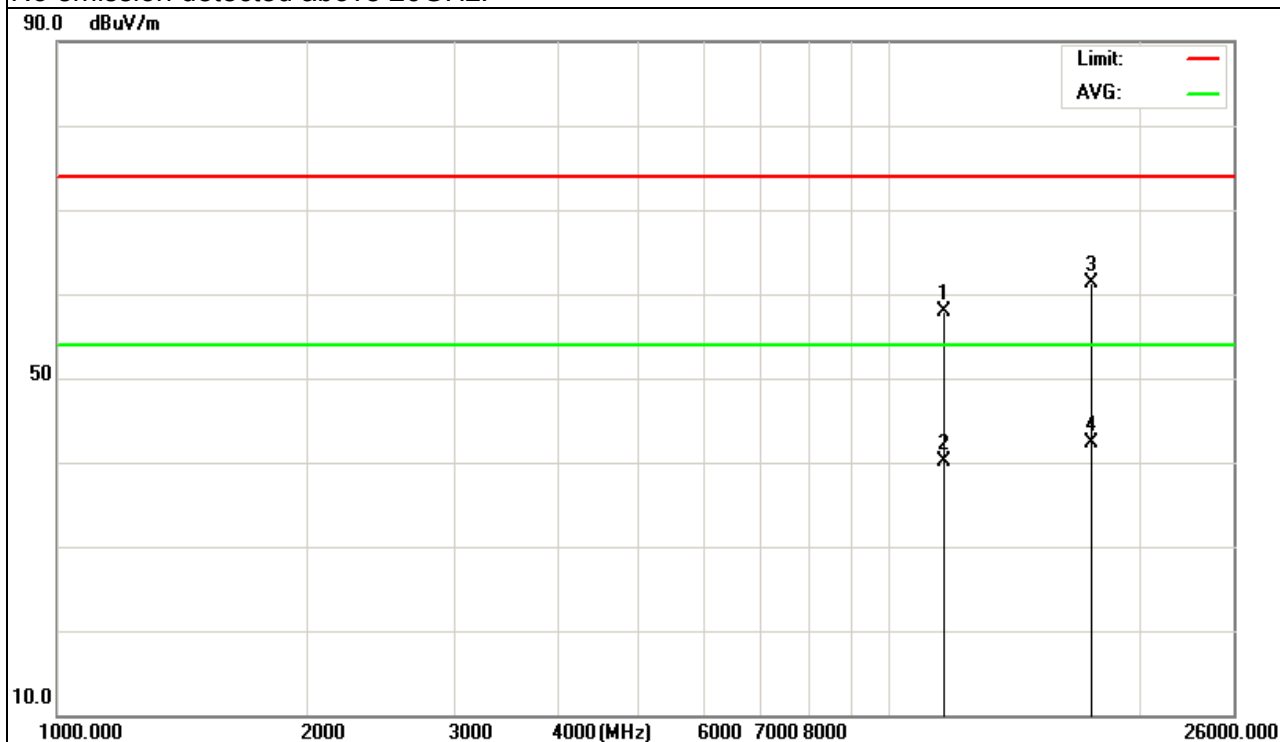
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11n(20)/5825MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
11650.378	39.24	18.69	57.93	74.00	-16.07	peak
11650.378	21.32	18.69	40.01	54.00	-13.99	AVG
17475.206	29.15	32.22	61.37	74.00	-12.63	peak
17475.206	10.03	32.22	42.25	54.00	-11.75	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



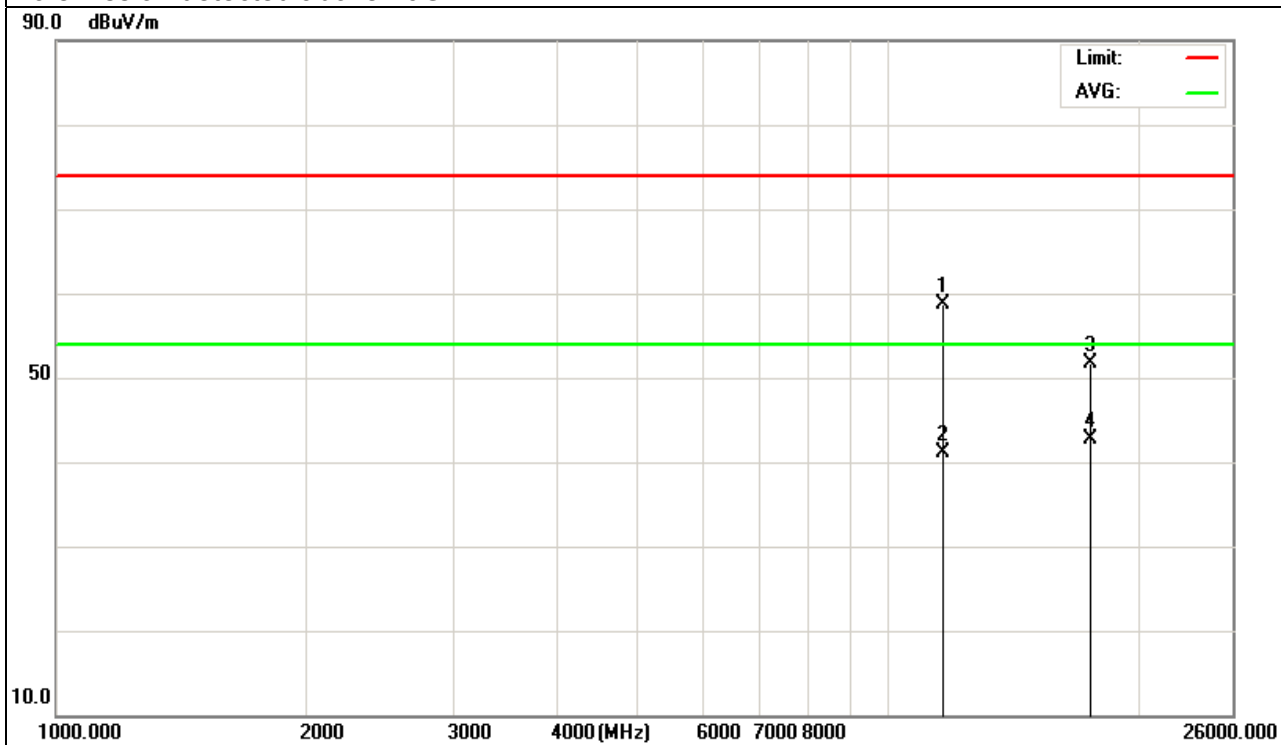
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11n(20)/5825MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
11650.175	40.05	18.70	58.75	74.00	-15.25	peak
11650.175	22.43	18.70	41.13	54.00	-12.87	AVG
17475.434	19.43	32.21	51.64	74.00	-22.36	peak
17475.434	10.58	32.21	42.79	54.00	-11.21	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



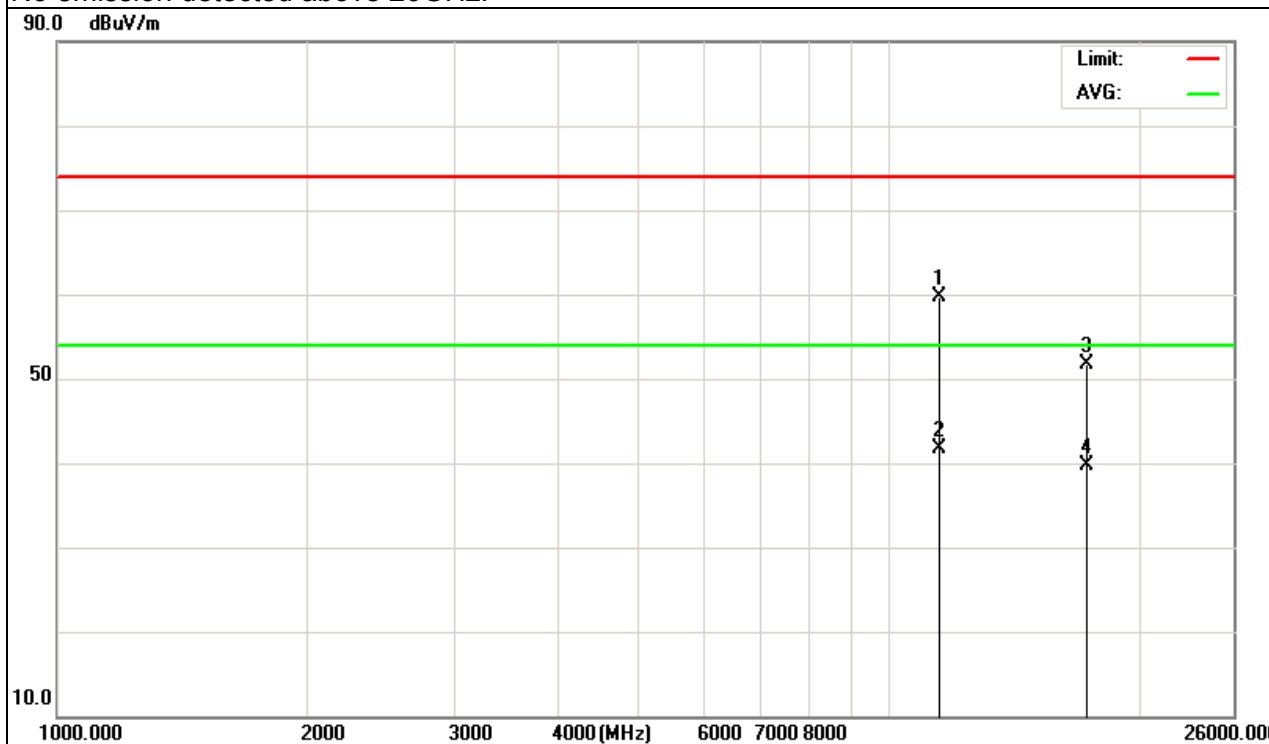
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11n(40)/5755MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
11510.130	41.61	18.07	59.68	74.00	-14.32	peak
11510.130	23.65	18.07	41.72	54.00	-12.28	AVG
17265.241	20.99	30.74	51.73	74.00	-22.27	peak
17265.241	9.02	30.74	39.76	54.00	-14.24	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



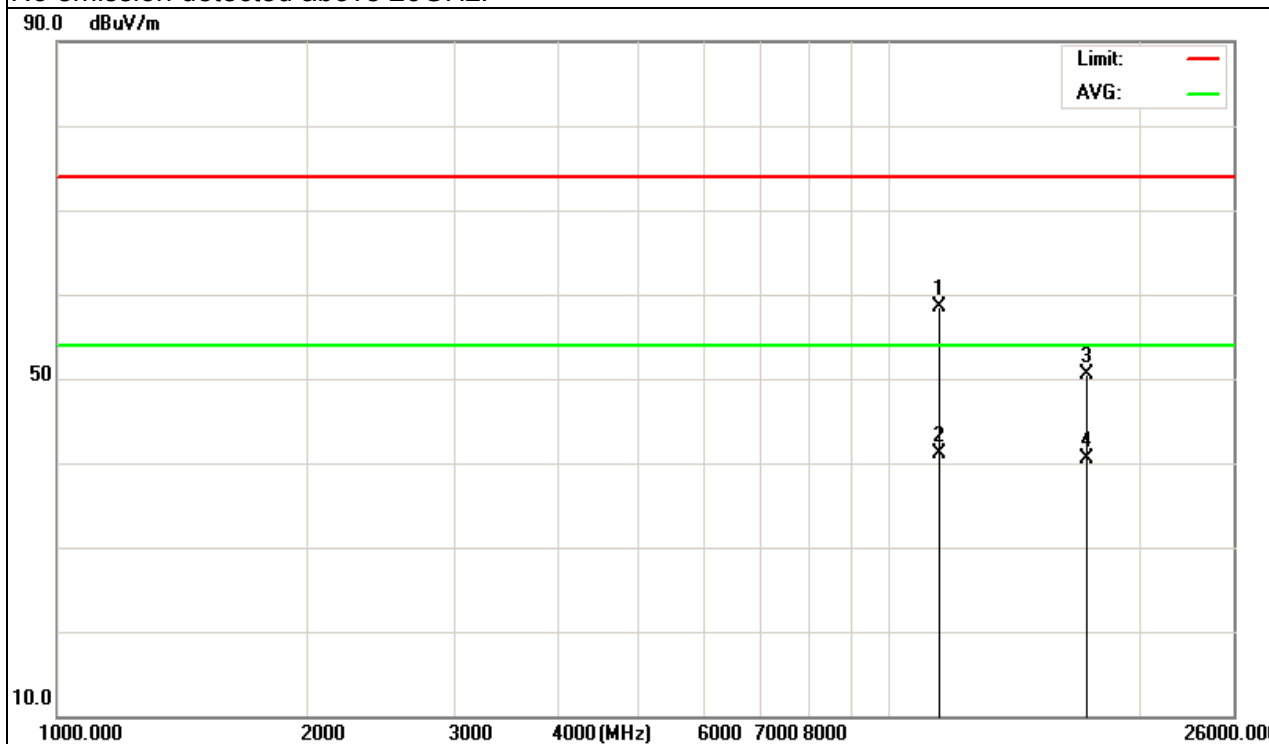
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11n(40)/5755MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
11510.187	40.39	18.07	58.46	74.00	-15.54	peak
11510.187	23.13	18.07	41.20	54.00	-12.80	AVG
17265.298	19.79	30.74	50.53	74.00	-23.47	peak
17265.298	9.79	30.74	40.53	54.00	-13.47	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



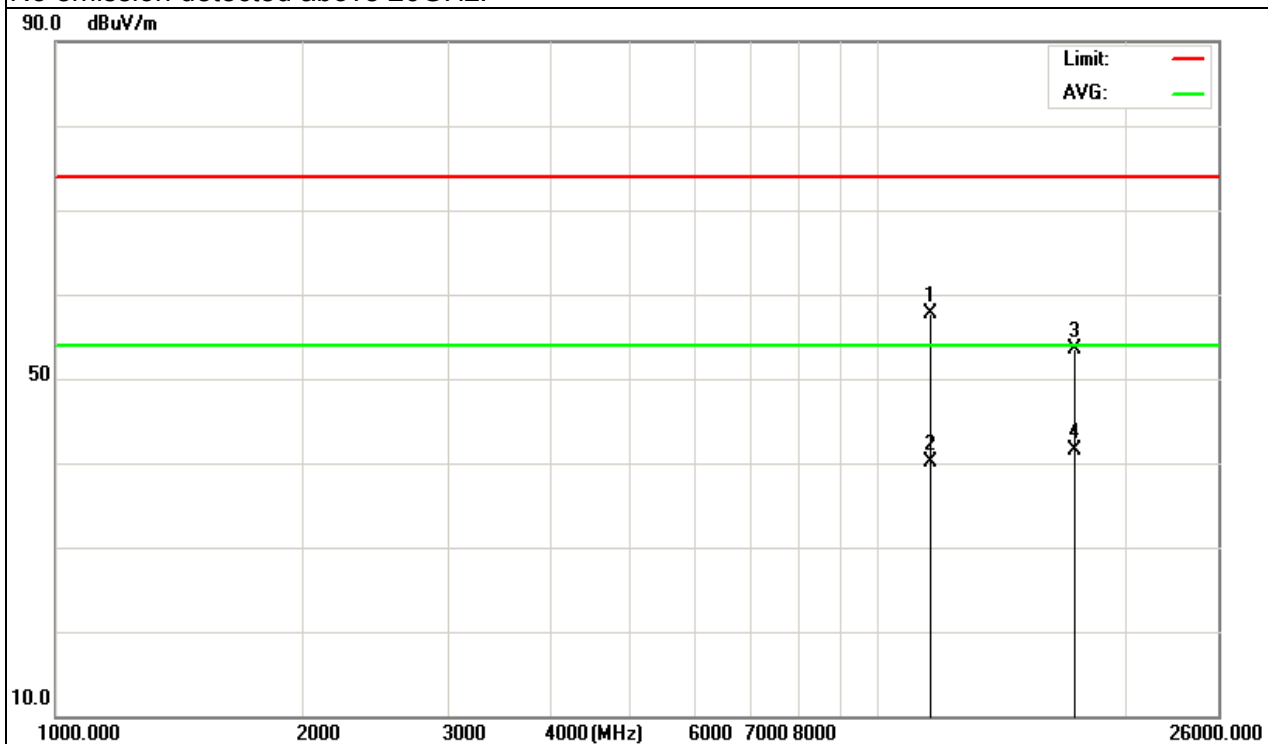
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11n(40)/5795MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
11590.315	39.28	18.40	57.68	74.00	-16.32	peak
11590.315	21.68	18.40	40.08	54.00	-13.92	AVG
17385.219	21.86	31.73	53.59	74.00	-20.41	peak
17385.219	9.70	31.73	41.43	54.00	-12.57	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.



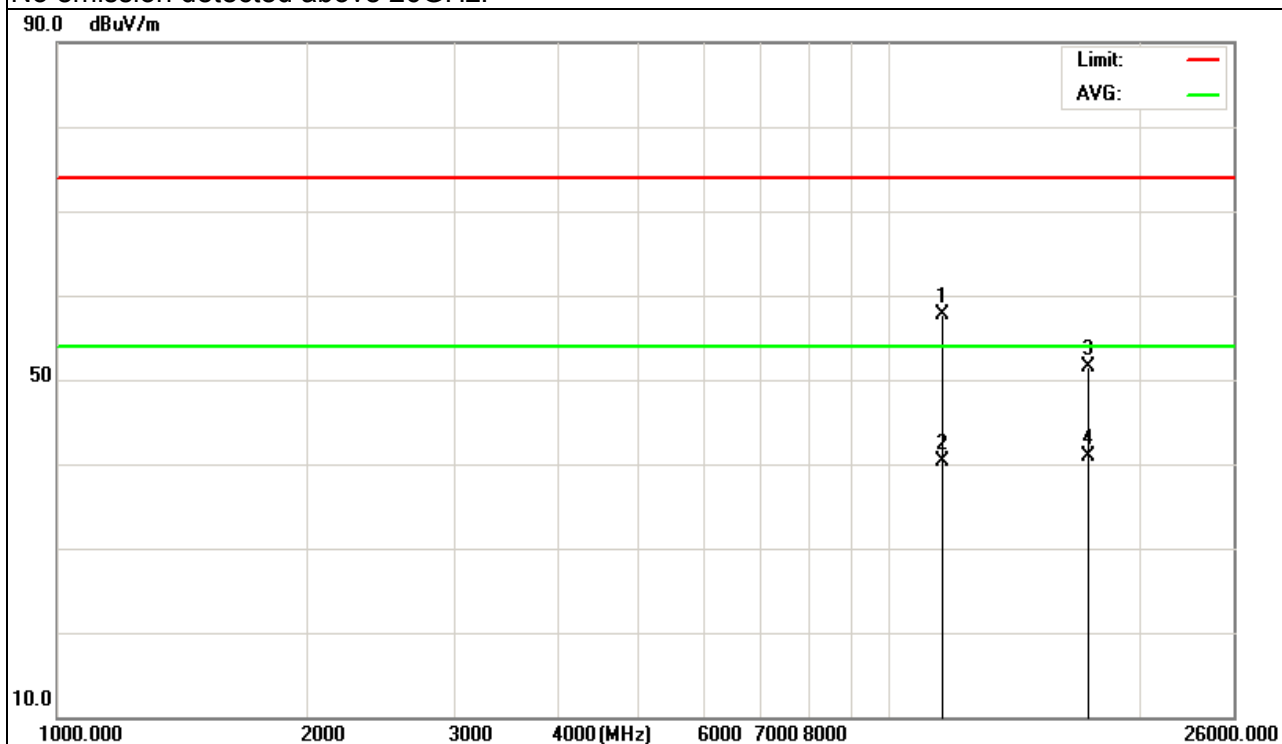
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	802.11n(40)/5795MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
11590.486	39.26	18.40	57.66	74.00	-16.34	peak
11590.486	21.85	18.40	40.25	54.00	-13.75	AVG
17385.413	19.77	31.74	51.51	74.00	-22.49	peak
17385.413	9.12	31.74	40.86	54.00	-13.14	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 26GHz.

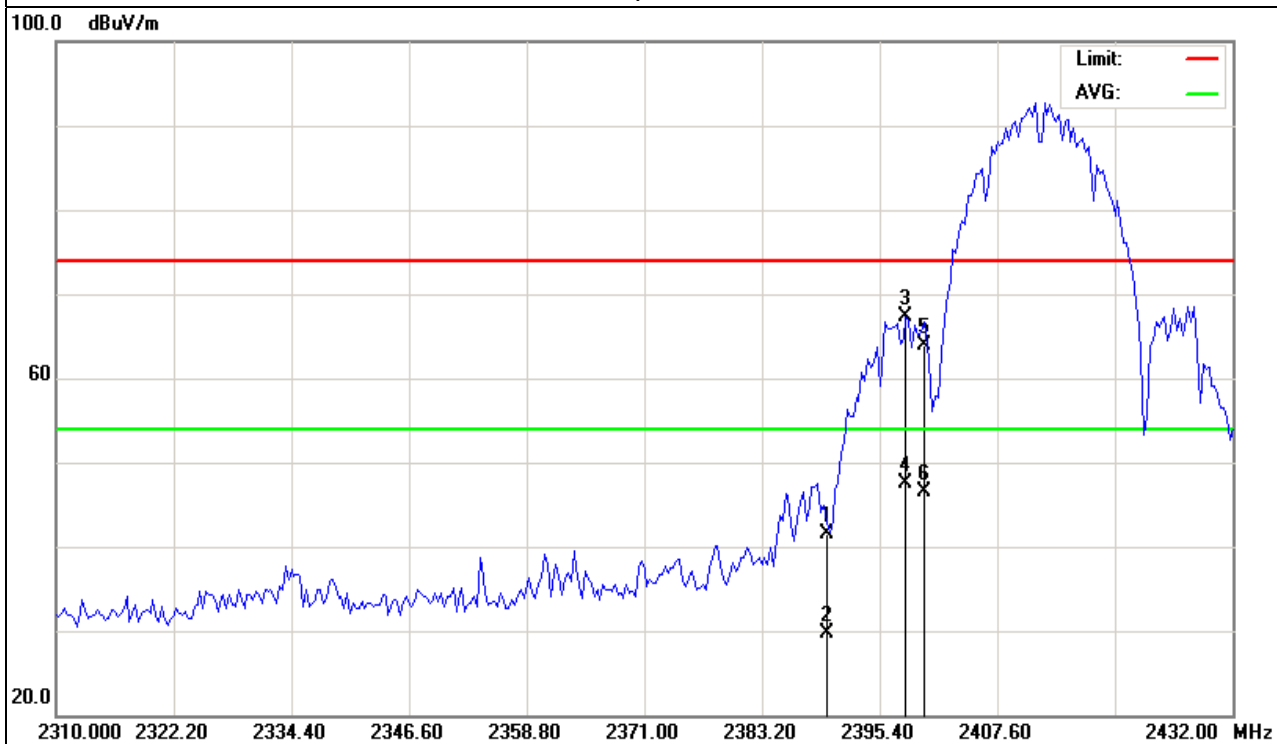


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1(802.11b Mode)	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390.000	54.66	-13.06	41.60	74.00	-32.40	peak
2390.000	42.66	-13.06	29.60	54.00	-24.40	AVG
2398.145	80.32	-13.00	67.32	74.00	-6.68	peak
2398.145	60.56	-13.00	47.56	54.00	-6.44	AVG
2400.000	76.99	-12.99	64.00	74.00	-10.00	peak
2400.000	59.45	-12.99	46.46	54.00	-7.54	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

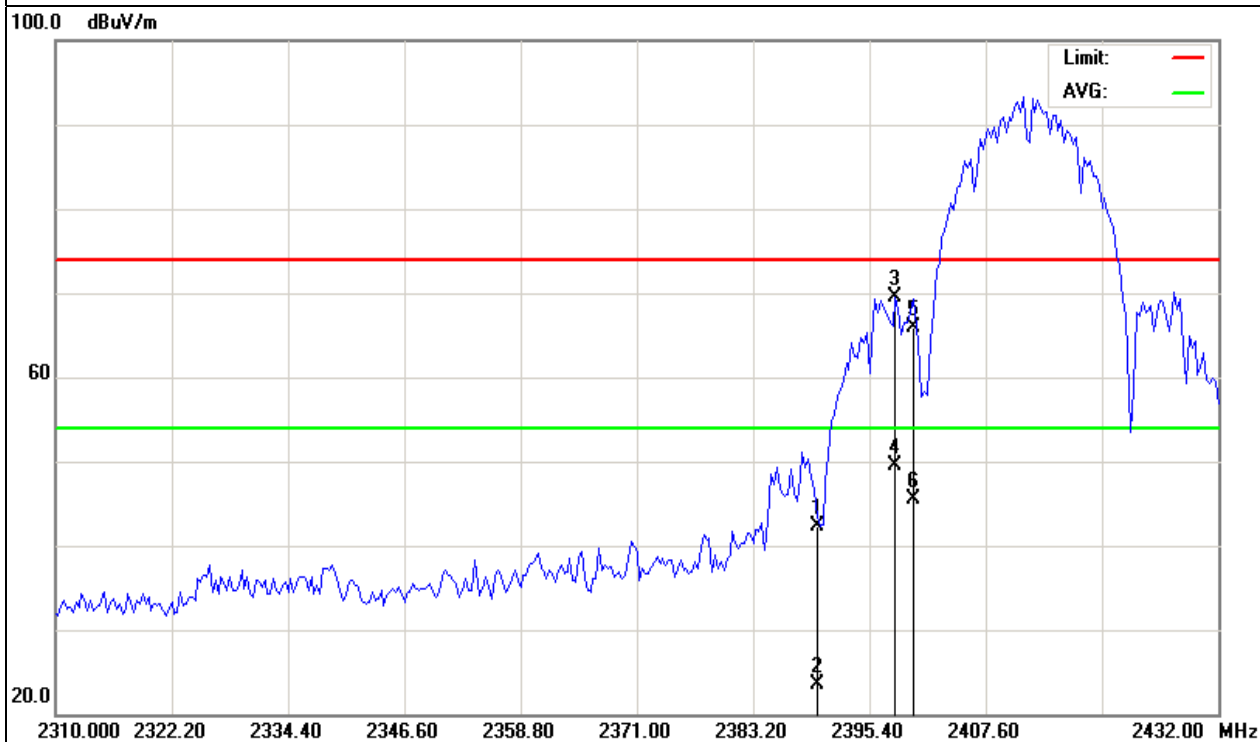


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1(802.11b Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2390.000	55.42	-13.06	42.36	74.00	-31.64	peak
2390.000	36.56	-13.06	23.50	54.00	-30.50	AVG
2398.145	82.46	-13.00	69.46	74.00	-4.54	peak
2398.145	62.56	-13.00	49.56	54.00	-4.44	AVG
2400.000	78.98	-12.99	65.99	74.00	-8.01	peak
2400.000	58.56	-12.99	45.57	54.00	-8.43	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

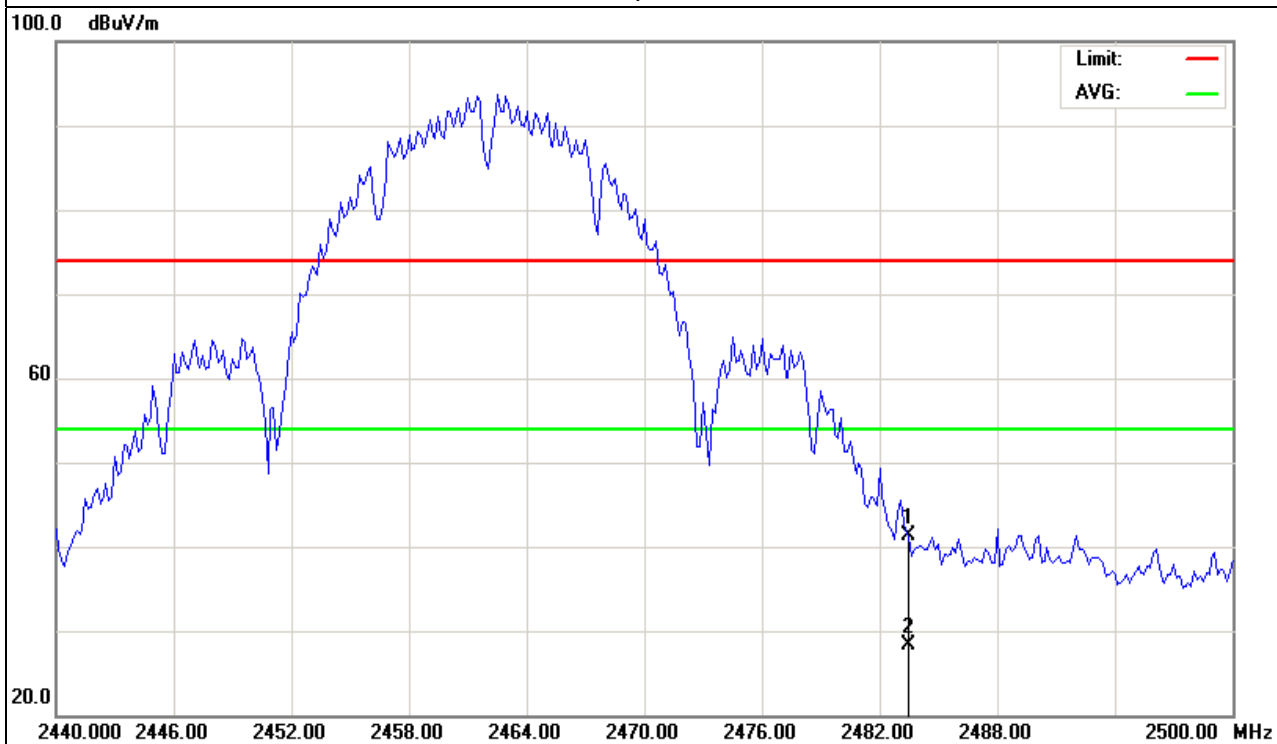


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11(802.11b Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.500	54.15	-12.78	41.37	74.00	-32.63	peak
2483.500	41.15	-12.78	28.37	54.00	-25.63	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

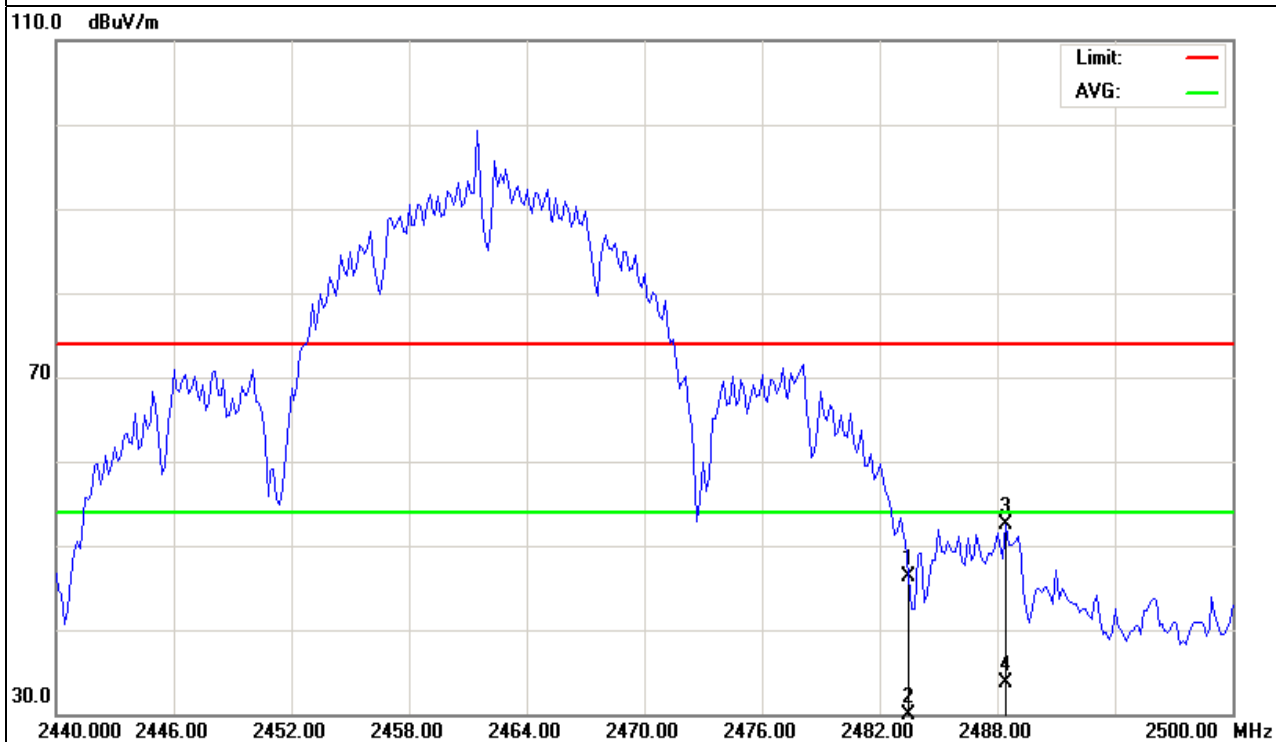


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11(802.11b Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.500	59.02	-12.78	46.24	74.00	-27.76	peak
2483.500	41.12	-12.78	28.34	54.00	-25.66	AVG
2488.450	65.20	-12.77	52.43	74.00	-21.57	peak
2488.450	46.56	-12.77	33.79	54.00	-20.21	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

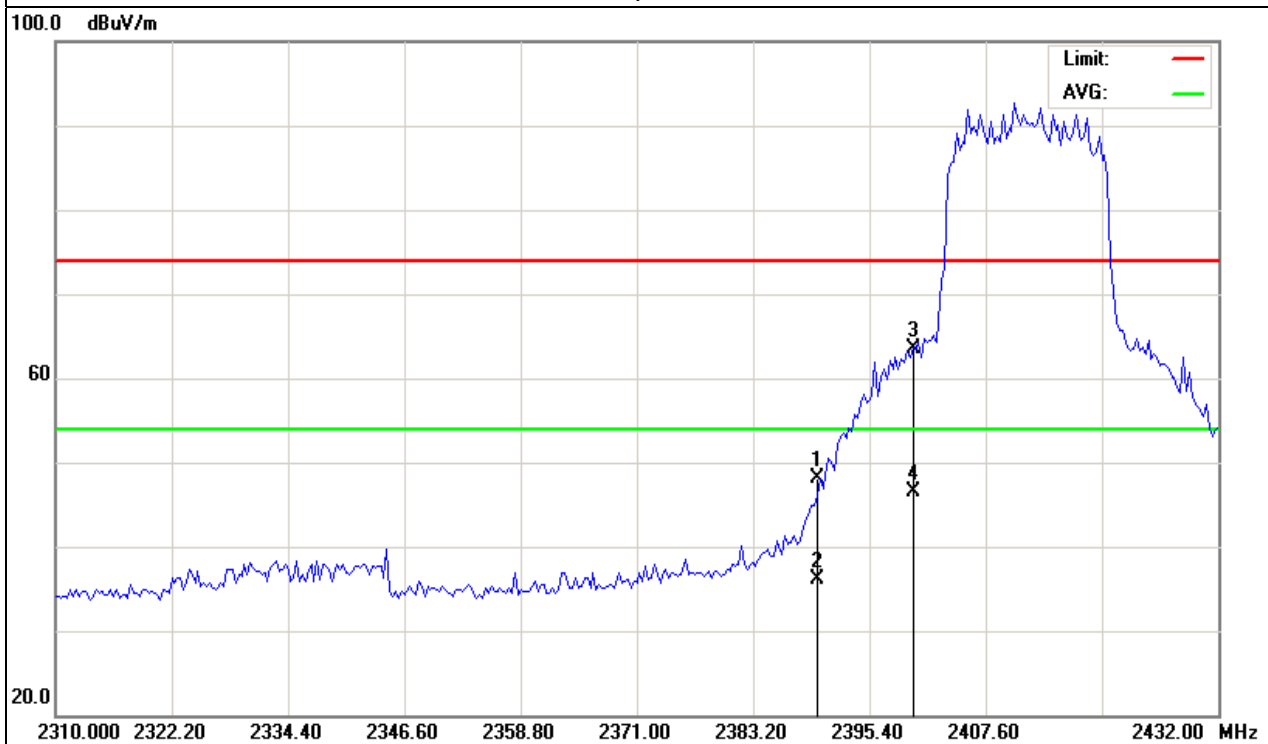


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1(802.11g Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2390.000	61.25	-13.06	48.19	74.00	-25.81	peak
2390.000	49.25	-13.06	36.19	54.00	-17.81	AVG
2400.000	76.53	-12.99	63.54	74.00	-10.46	peak
2400.000	59.53	-12.99	46.54	54.00	-7.46	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

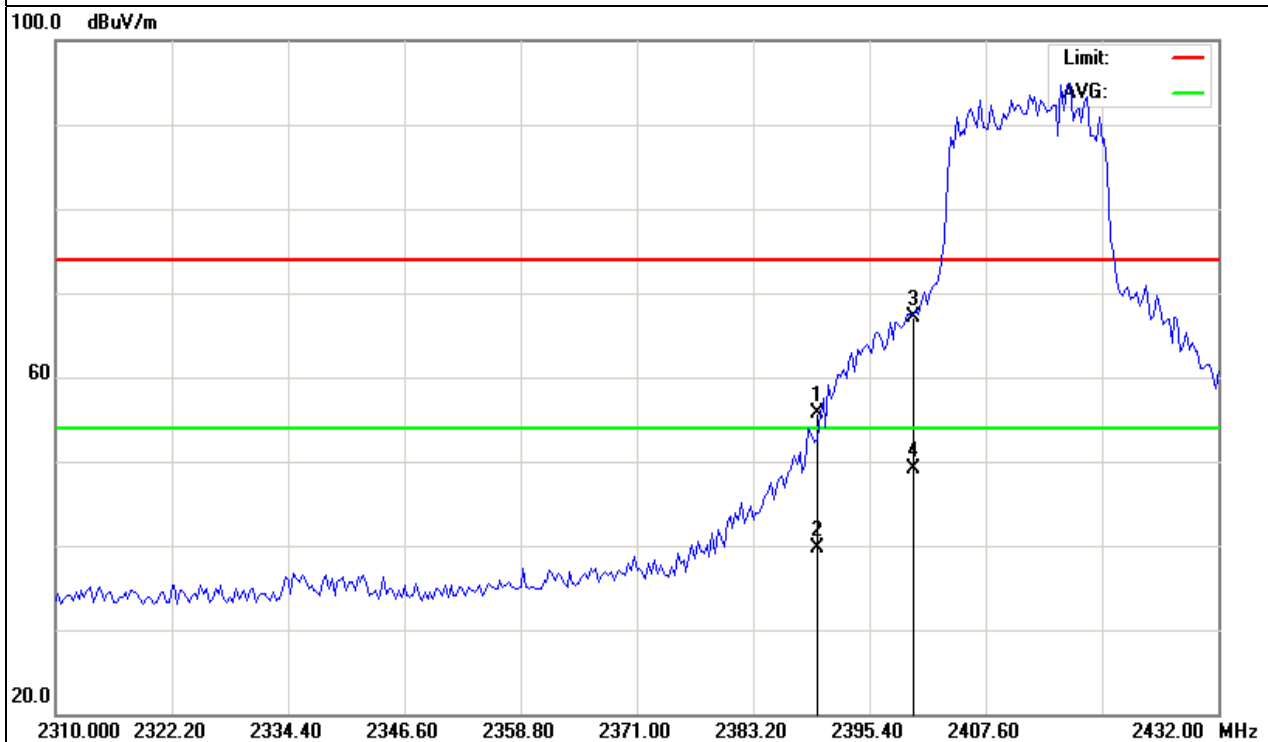


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1(802.11gMode)	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390.000	68.71	-13.06	55.65	74.00	-18.35	peak
2390.000	52.71	-13.06	39.65	54.00	-14.35	AVG
2400.000	80.05	-12.99	67.06	74.00	-6.94	peak
2400.000	62.05	-12.99	49.06	54.00	-4.94	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

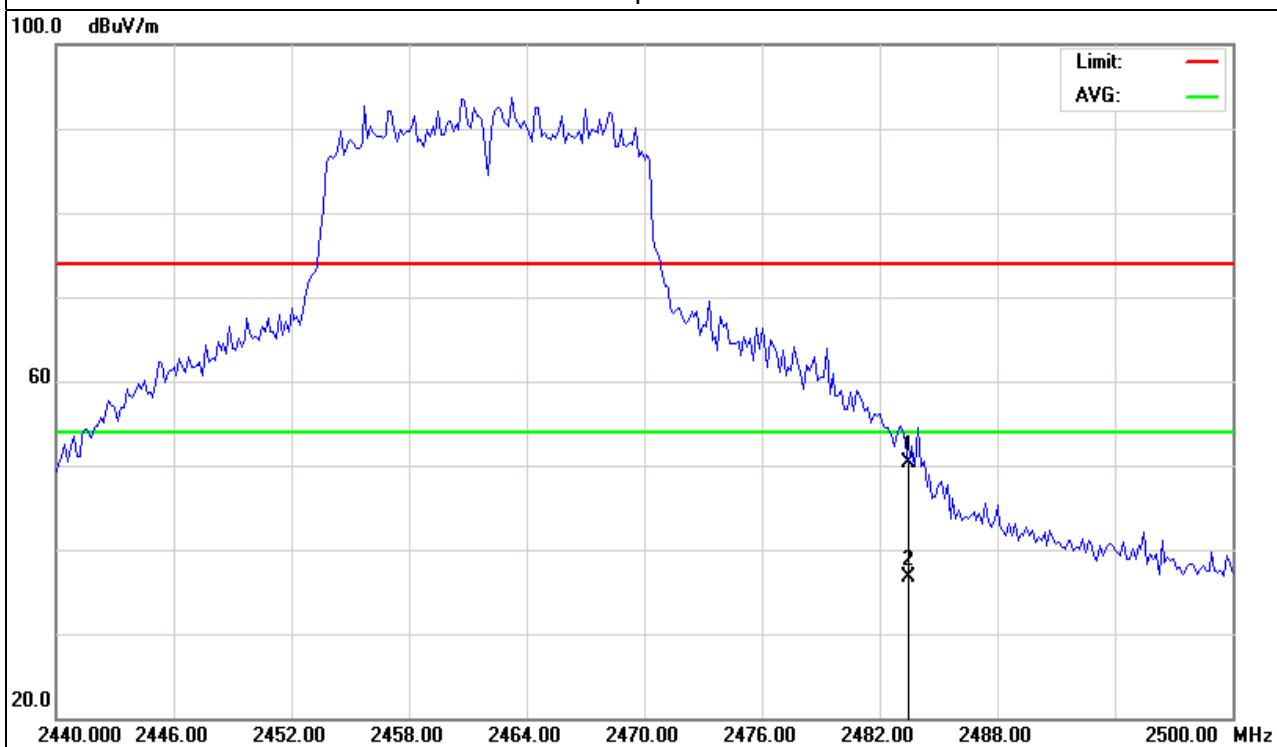


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11(802.11g Mode)	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.500	63.05	-12.78	50.27	74.00	-23.73	peak
2483.500	49.52	-12.78	36.74	54.00	-17.26	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

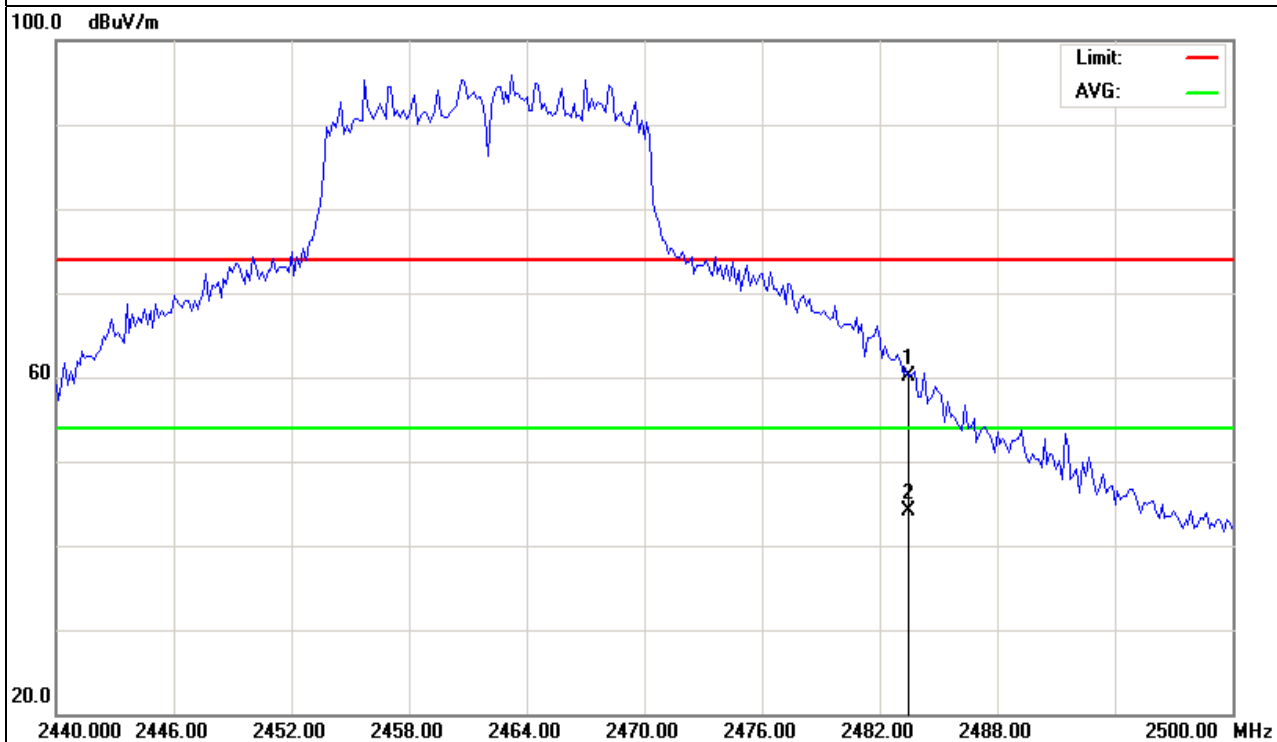


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11(802.11g Mode)	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.500	72.90	-12.78	60.12	74.00	-13.88	peak
2483.500	56.90	-12.78	44.12	54.00	-9.88	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

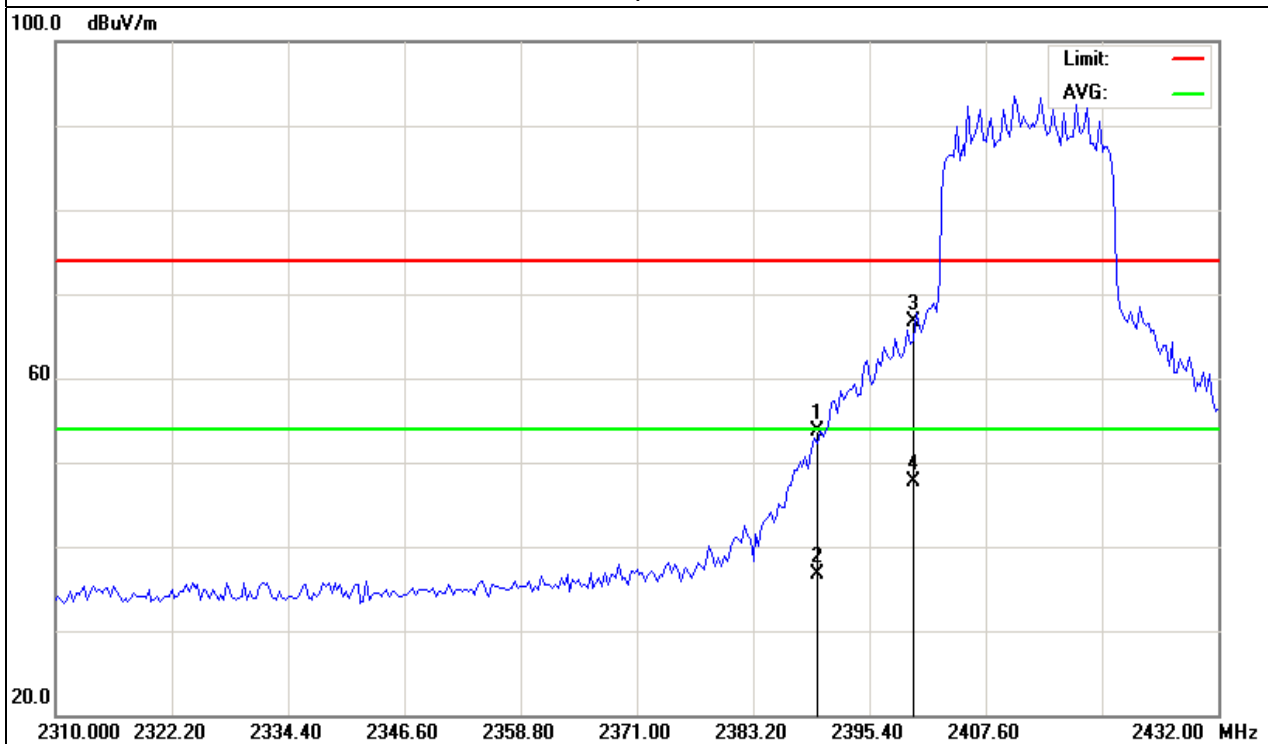


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1(802.11N Mode)/20MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390.000	66.79	-13.06	53.73	74.00	-20.27	peak
2390.000	49.79	-13.06	36.73	54.00	-17.27	AVG
2400.000	79.63	-12.99	66.64	74.00	-7.36	peak
2400.000	60.63	-12.99	47.64	54.00	-6.36	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

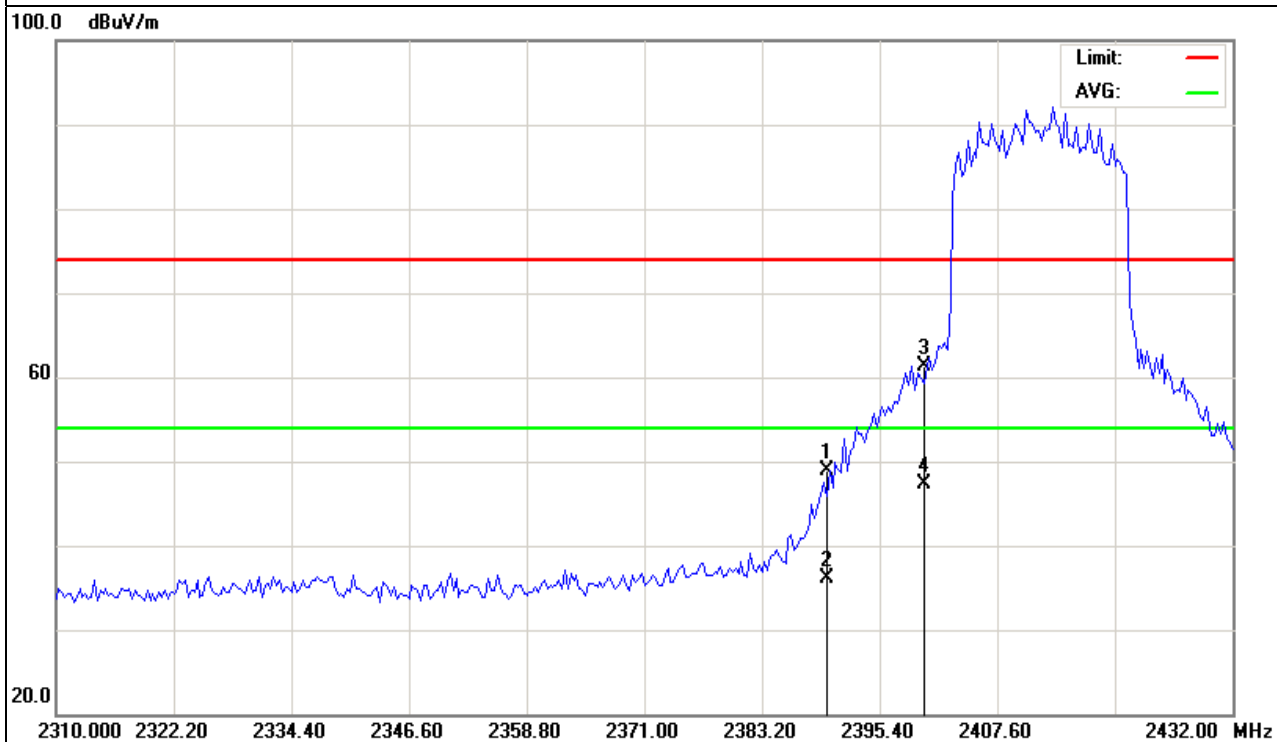


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH1(802.11N Mode)/20M	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390.000	61.96	-13.06	48.90	74.00	-25.10	peak
2390.000	49.15	-13.06	36.09	54.00	-17.91	AVG
2400.000	74.33	-12.99	61.34	74.00	-12.66	peak
2400.000	60.25	-12.99	47.26	54.00	-6.74	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

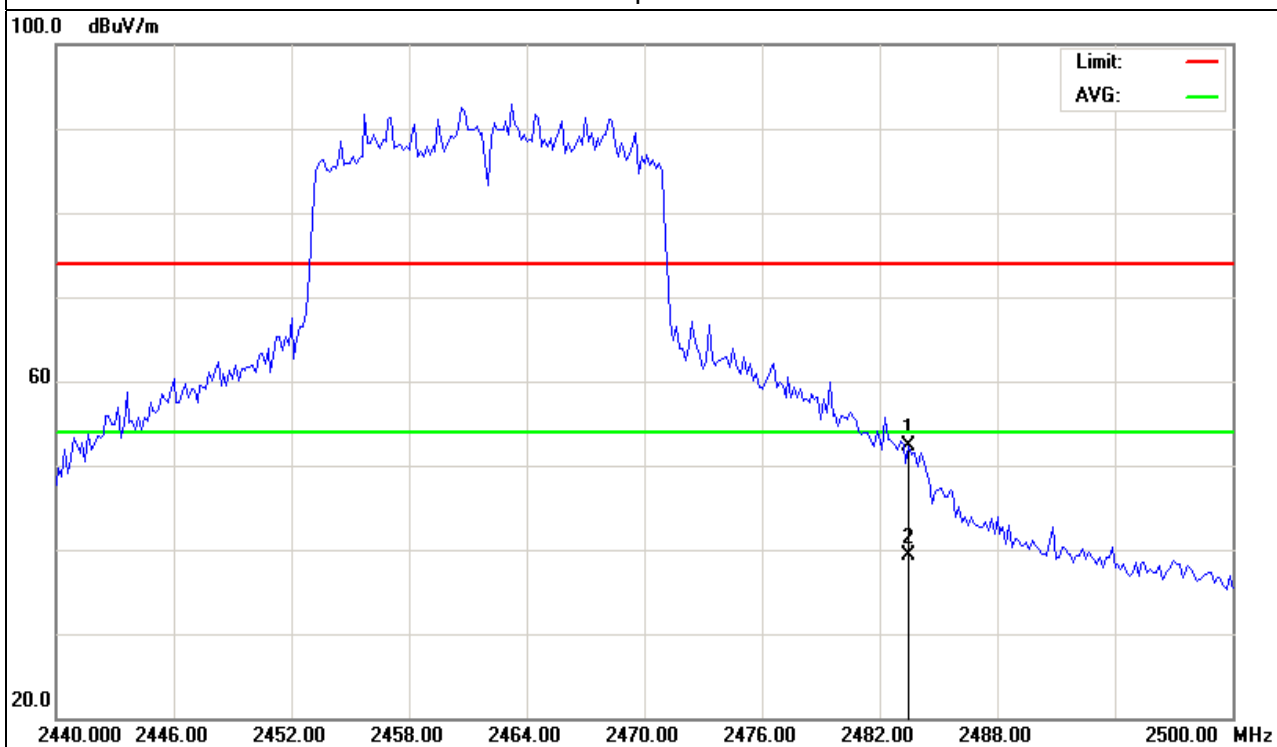


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11(802.11N Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.500	65.02	-12.78	52.24	74.00	-21.76	
2483.500	52.02	-12.78	39.24	54.00	-14.76	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.



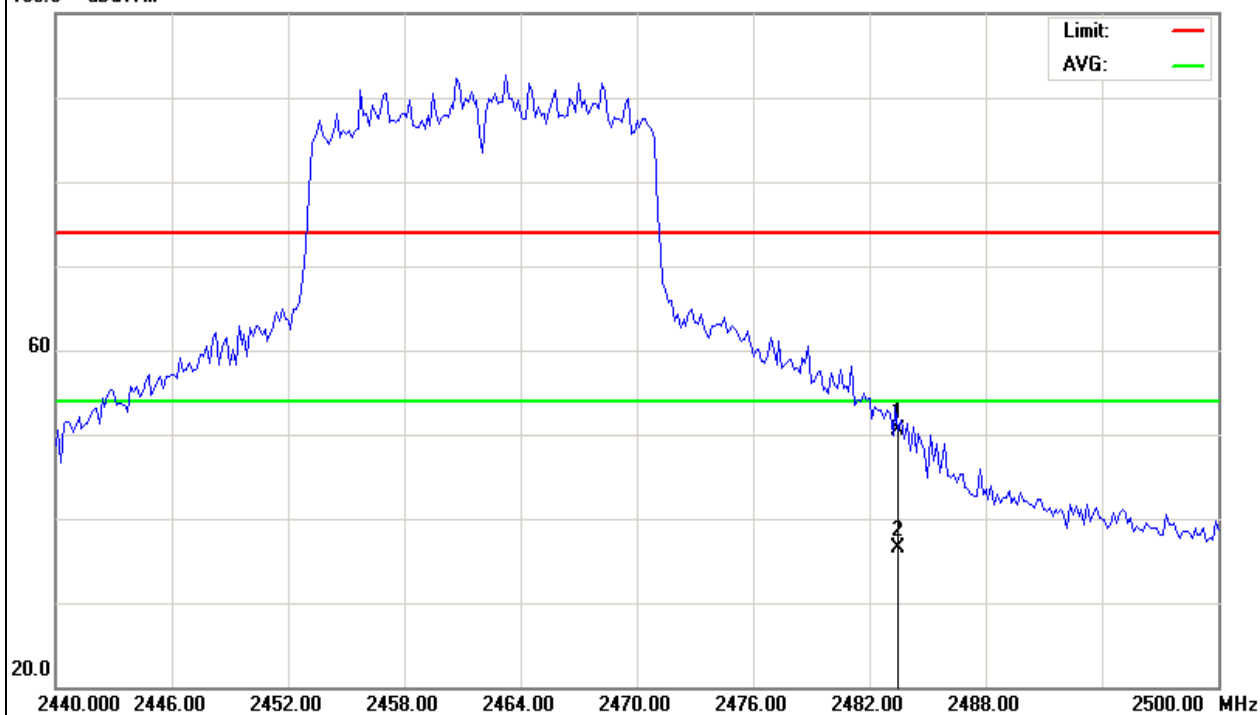
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH11(802.11N Mode)/20MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.500	63.33	-12.78	50.55	74.00	-23.45	peak
2483.500	49.33	-12.78	36.55	54.00	-17.45	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

100.0 dBμV/m

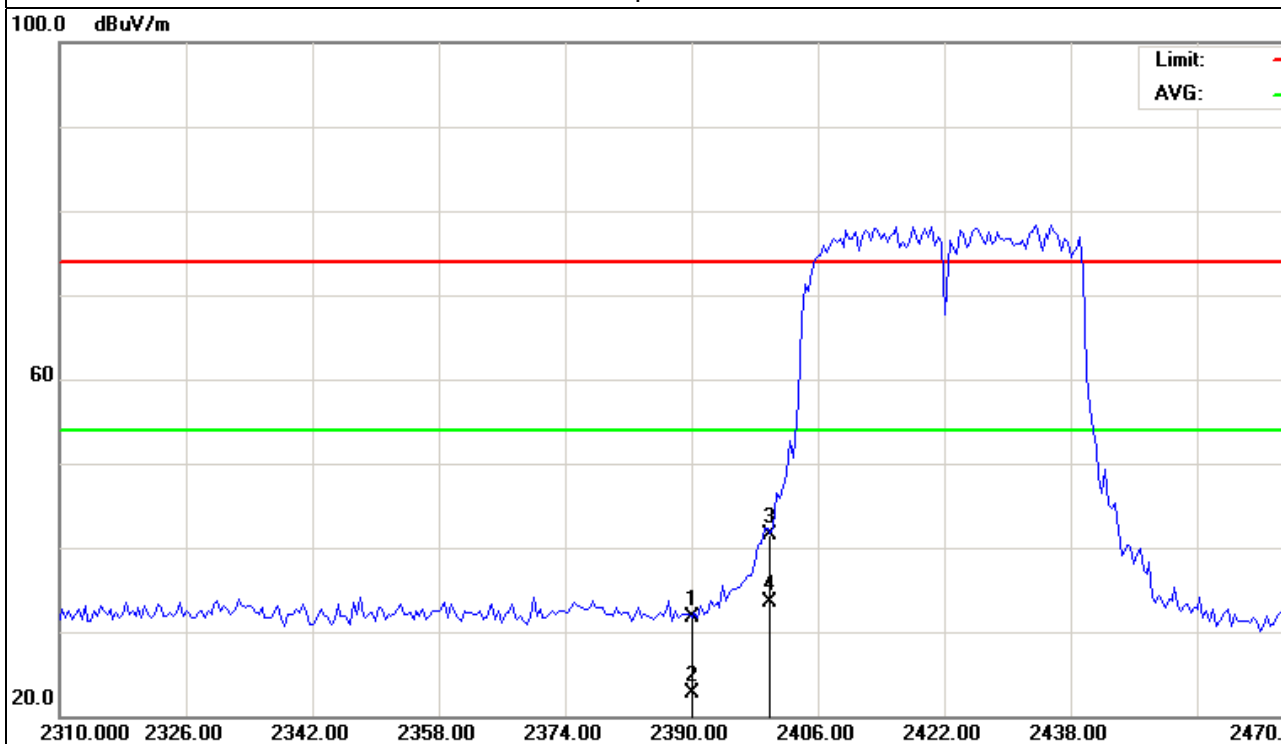


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH3(802.11n Mode)/40M	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2390.000	44.73	-13.06	31.67	74.00	-42.33	peak
2390.000	35.73	-13.06	22.67	54.00	-31.33	AVG
2400.000	54.59	-12.99	41.60	74.00	-32.40	peak
2400.000	46.59	-12.99	33.60	54.00	-20.40	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

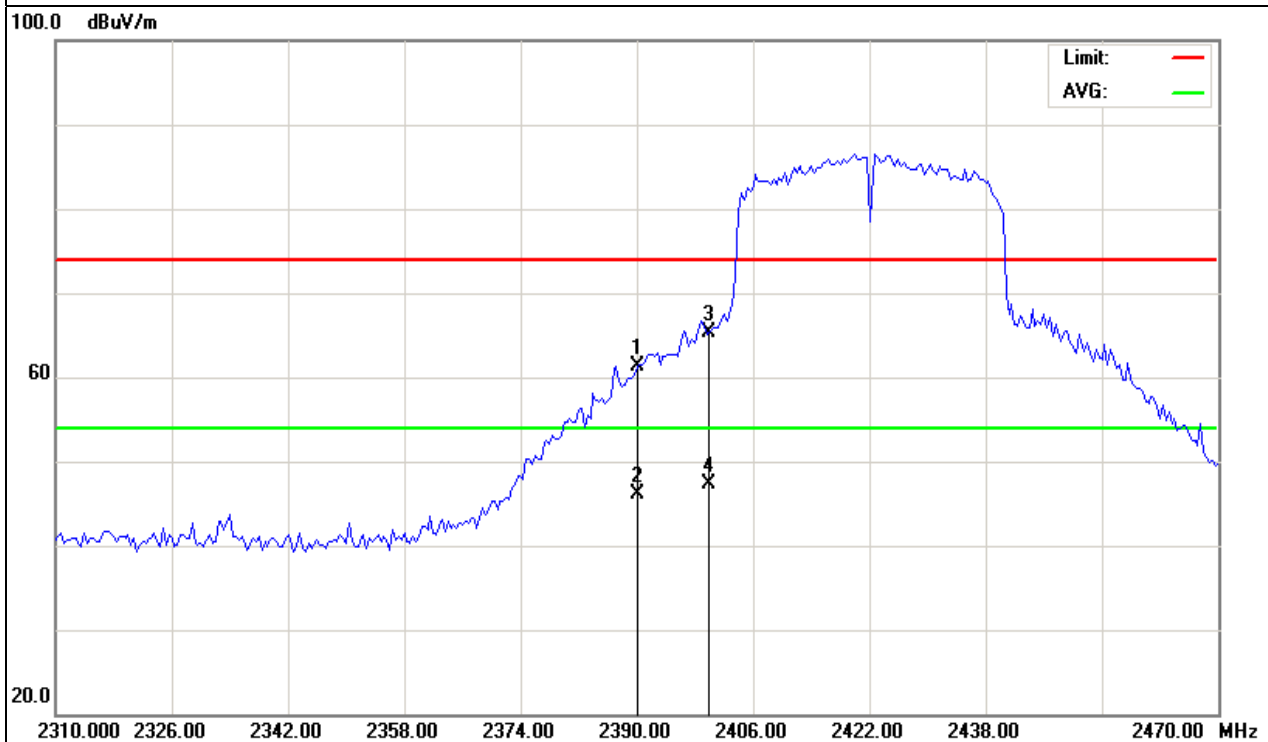


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH3(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2390.000	74.36	-13.06	61.30	74.00	-12.70	peak
2390.000	59.12	-13.06	46.06	54.00	-7.94	AVG
2400.000	78.25	-12.99	65.26	74.00	-8.74	peak
2400.000	60.25	-12.99	47.26	54.00	-6.74	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

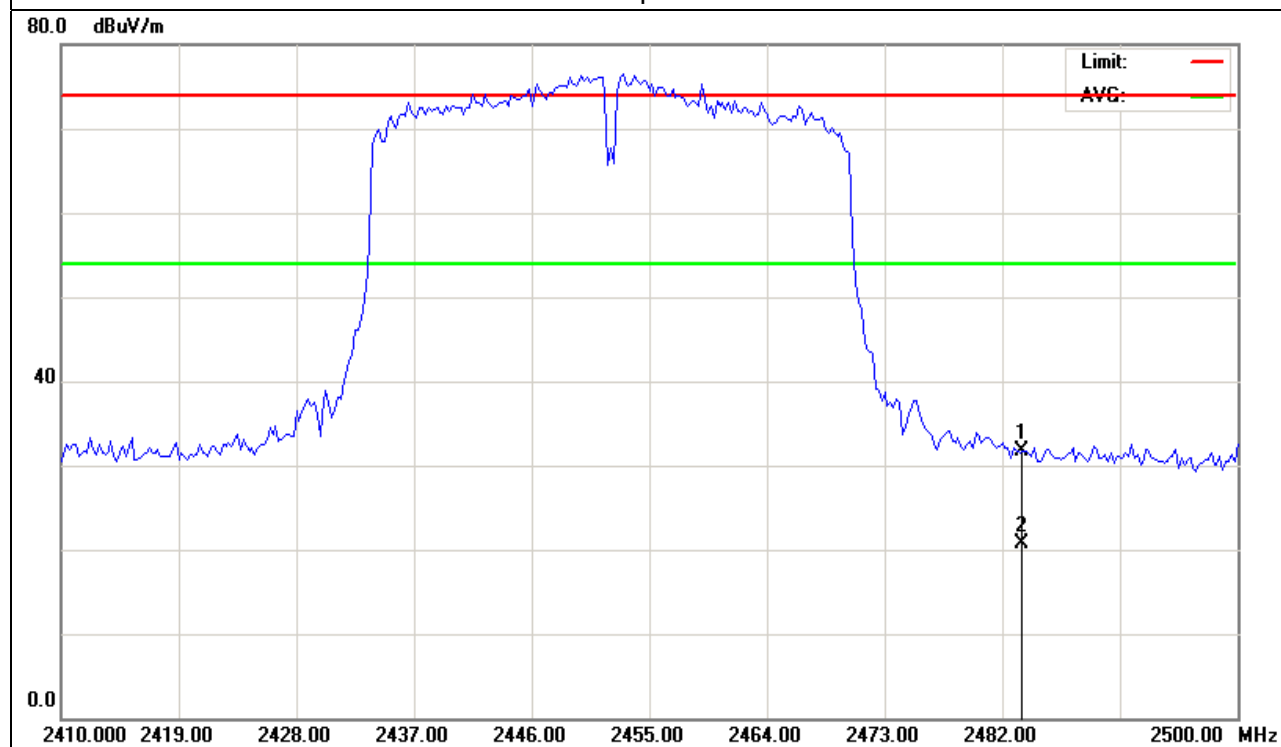


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH9(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.500	44.52	-12.78	31.74	74.00	-42.26	
2483.500	33.52	-12.78	20.74	54.00	-33.26	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

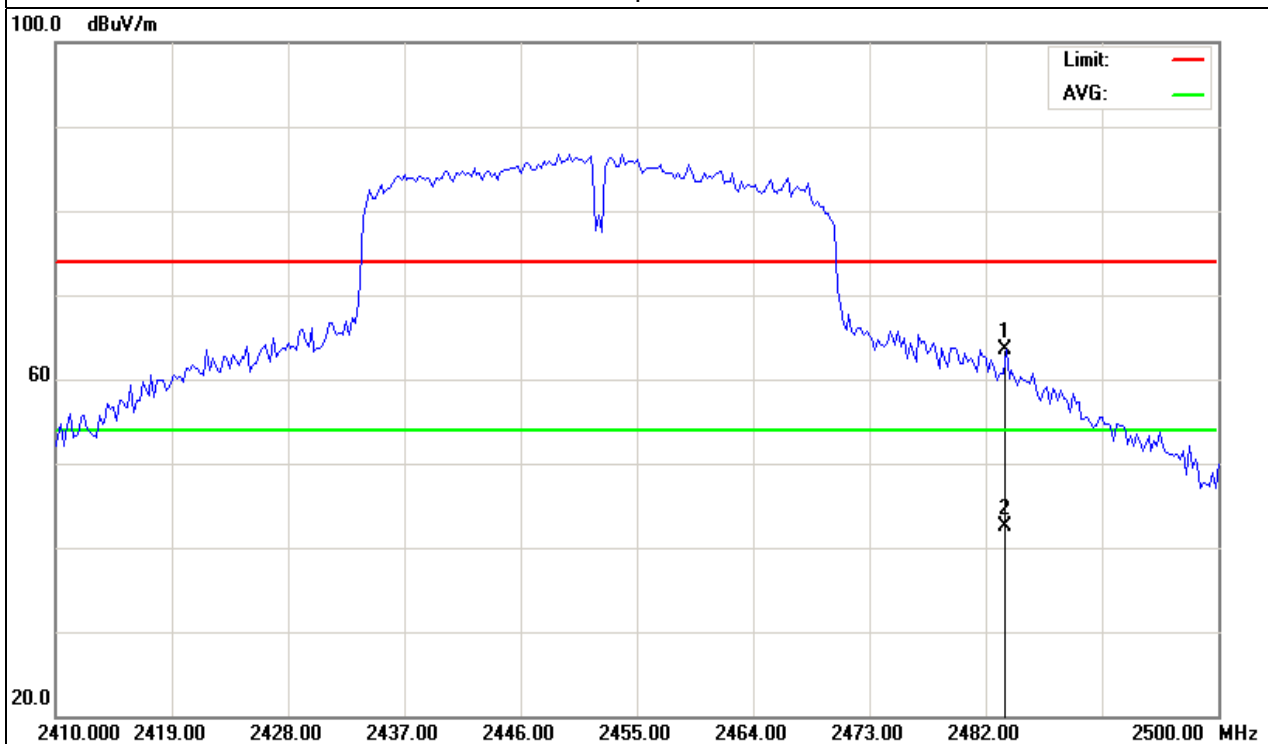


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	CH9(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.500	76.27	-12.78	63.49	74.00	-10.51	peak
2483.500	55.27	-12.78	42.49	54.00	-11.51	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.



4. POWER SPECTRAL DENSITY TEST

4.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5 5745-5825	PASS

4.1.1 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the RBW ≥ 3 kHz.
4. Set the VBW $\geq 3 \times$ RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP



4.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

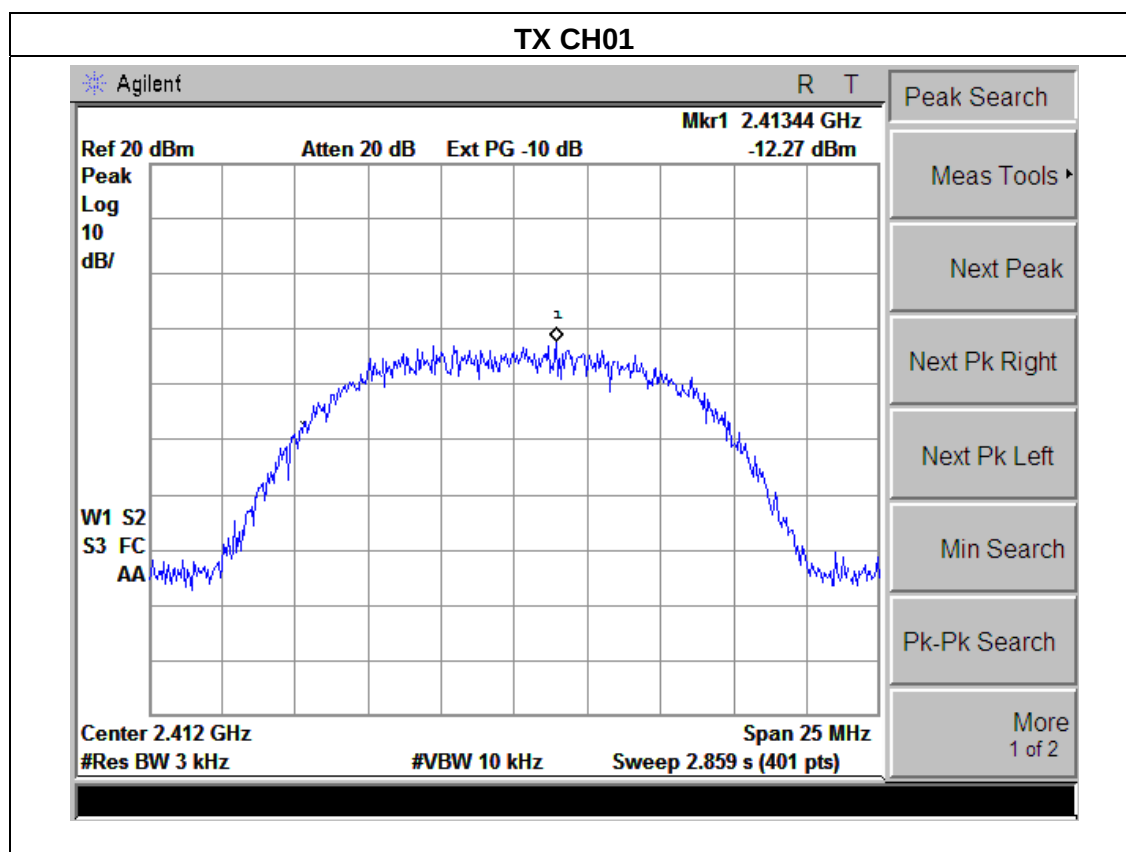
4.1.5 TEST RESULTS

EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 5.0V
Test Mode :	TX b Mode /CH01, CH06, CH11		

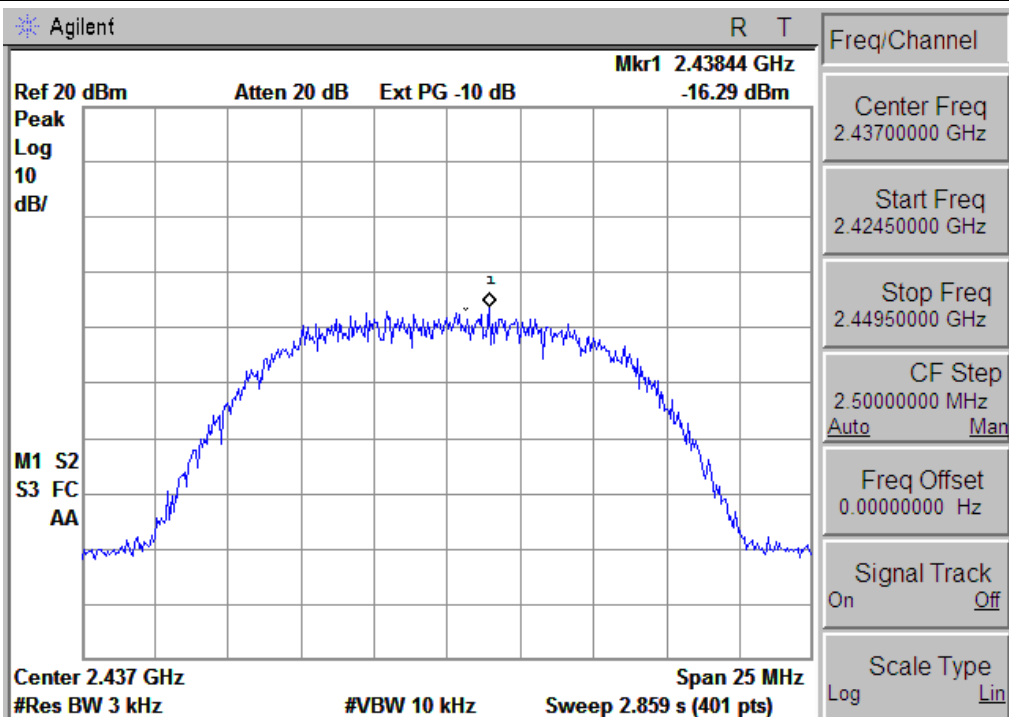
Frequency	Power Density A (dBm)	Power Density B (dBm)	Total Power (dBm)	Limit (dBm)	Result
2412 MHz	-12.27	-17.30	-11.08	7	PASS
2437 MHz	-16.29	-17.74	-13.94	7	PASS
2462 MHz	-17.24	-17.76	-14.48	7	PASS

NOTE: A(B) Represent the value of antennaA and B, The worst data is A Antenna a ,only shown Antenna A Plot.

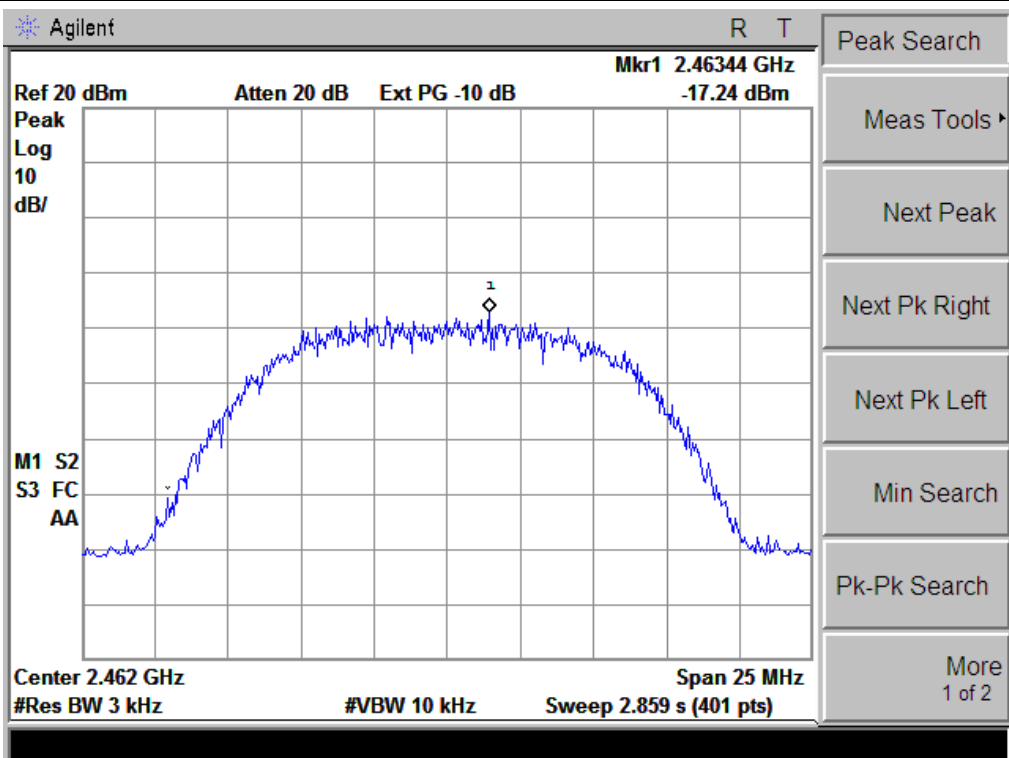
For 2.4G mode , Limit =8-7+6=7dBm for output power.



TX CH06



TX CH11

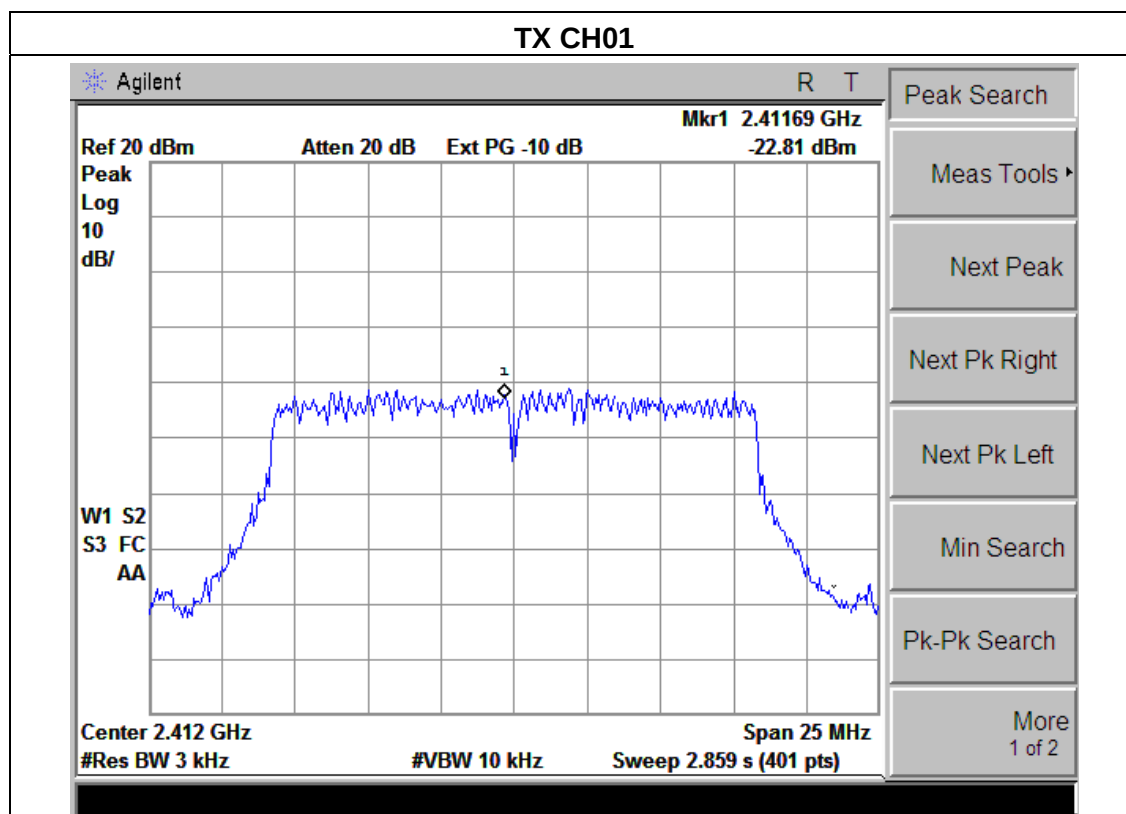


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 5.0V
Test Mode :	TX g Mode /CH01, CH06, CH11		

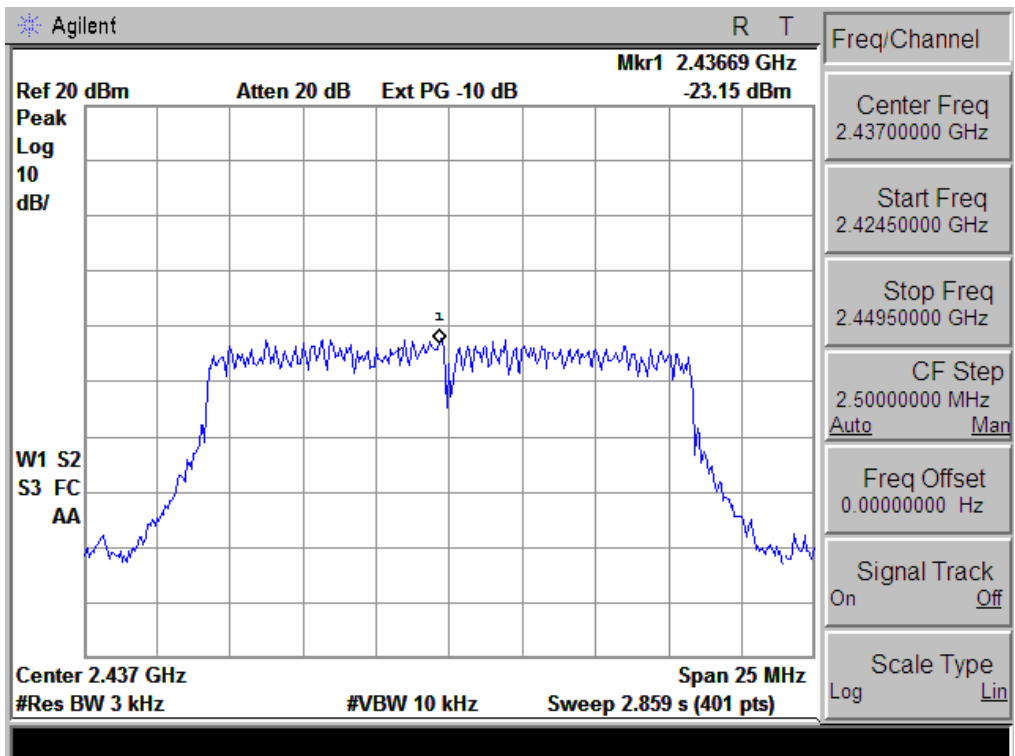
Frequency	Power Density A (dBm)	Power Density B (dBm)	Total Power (dBm)	Limit (dBm)	Result
2412 MHz	-22.81	-24.98	-20.75	7	PASS
2437 MHz	-23.15	-24.83	-20.90	7	PASS
2462 MHz	-25.47	-24.66	-22.04	7	PASS

NOTE: A(B) Represent the value of antennaA and B,The worst data is A Antenna a ,only shown Antenna A Plot.

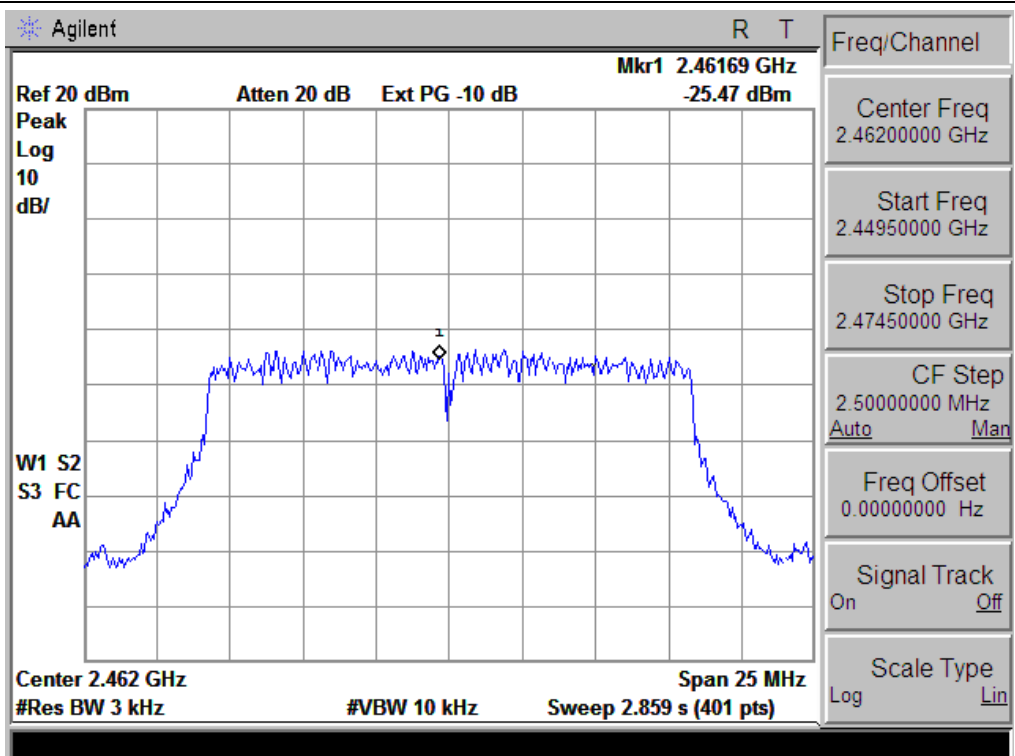
For 2.4G mode , Limit =8-7+6=7dBm for output power.



TX CH06



TX CH11



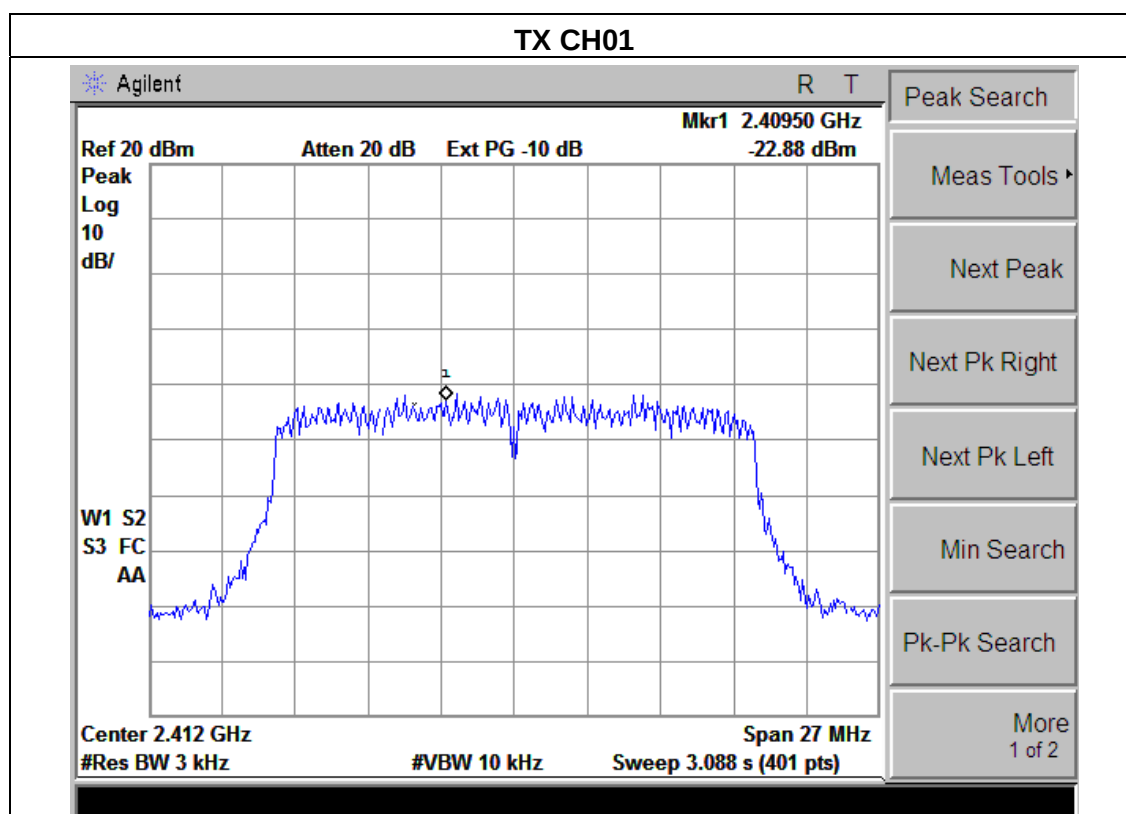
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 5.0V
Test Mode :	TX n Mode(20M) /CH01, CH06, CH11		

Frequency	Power Density A (dBm)	Power Density B (dBm)	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-22.88	-24.24	-20.50	7	PASS
2437 MHz	-22.49	-24.78	-20.48	7	PASS
2462 MHz	-24.13	-24.35	-21.23	7	PASS

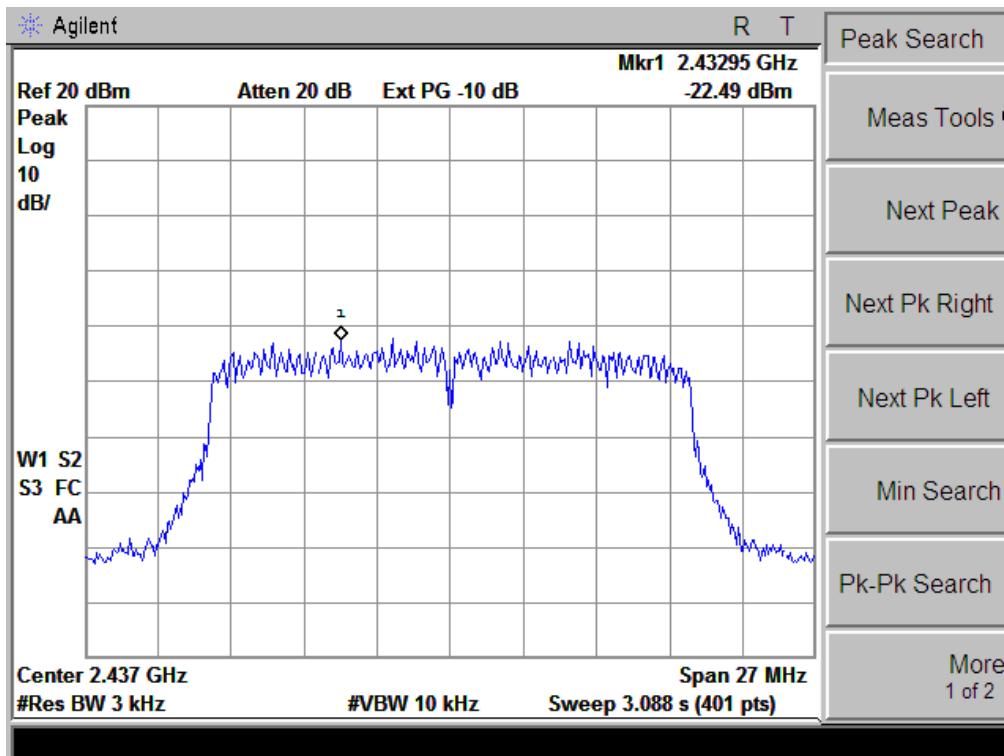
Note:

A(B) Represent the value of antennaA and B,The worst data is A Antenna a ,only shown Antenna A Plot.

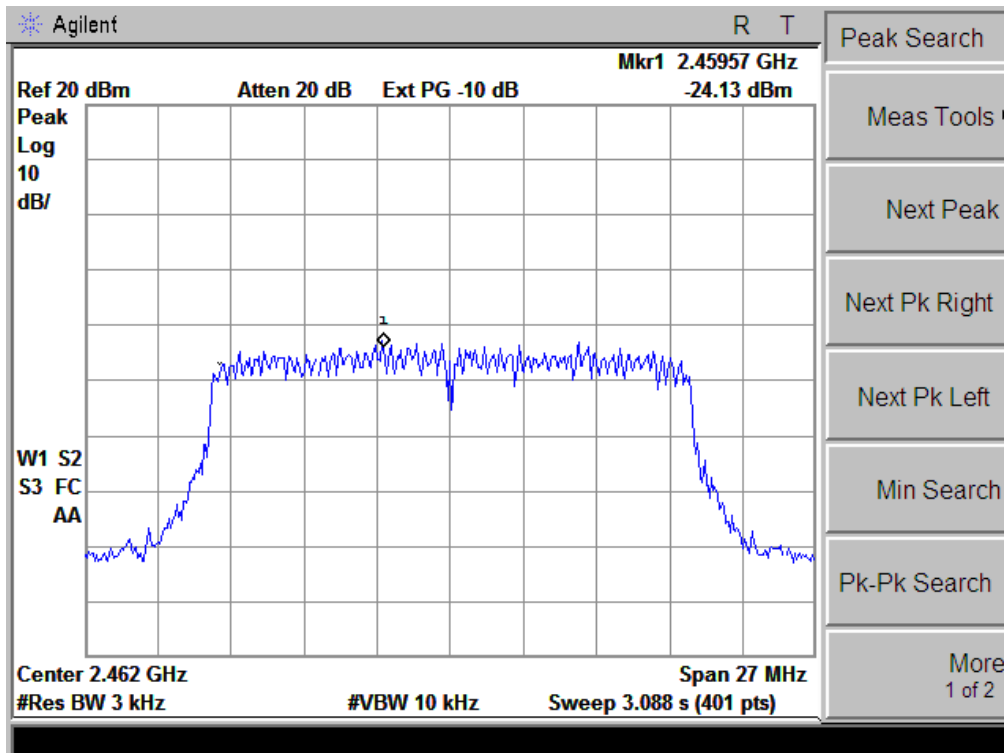
For 2.4G mode , Limit =8-7+6=7dBm for output power.



TX CH06



TX CH11



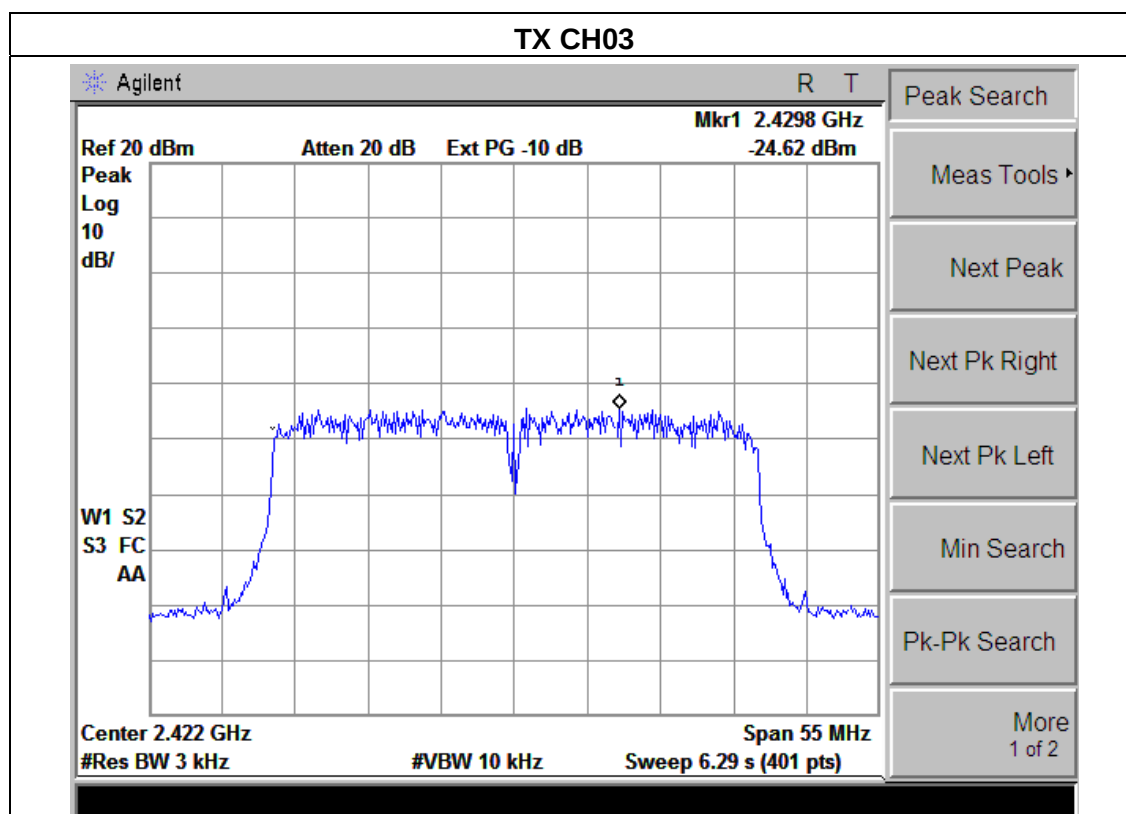
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 5.0V
Test Mode :	TX n Mode(40M) /CH03, CH06, CH09		

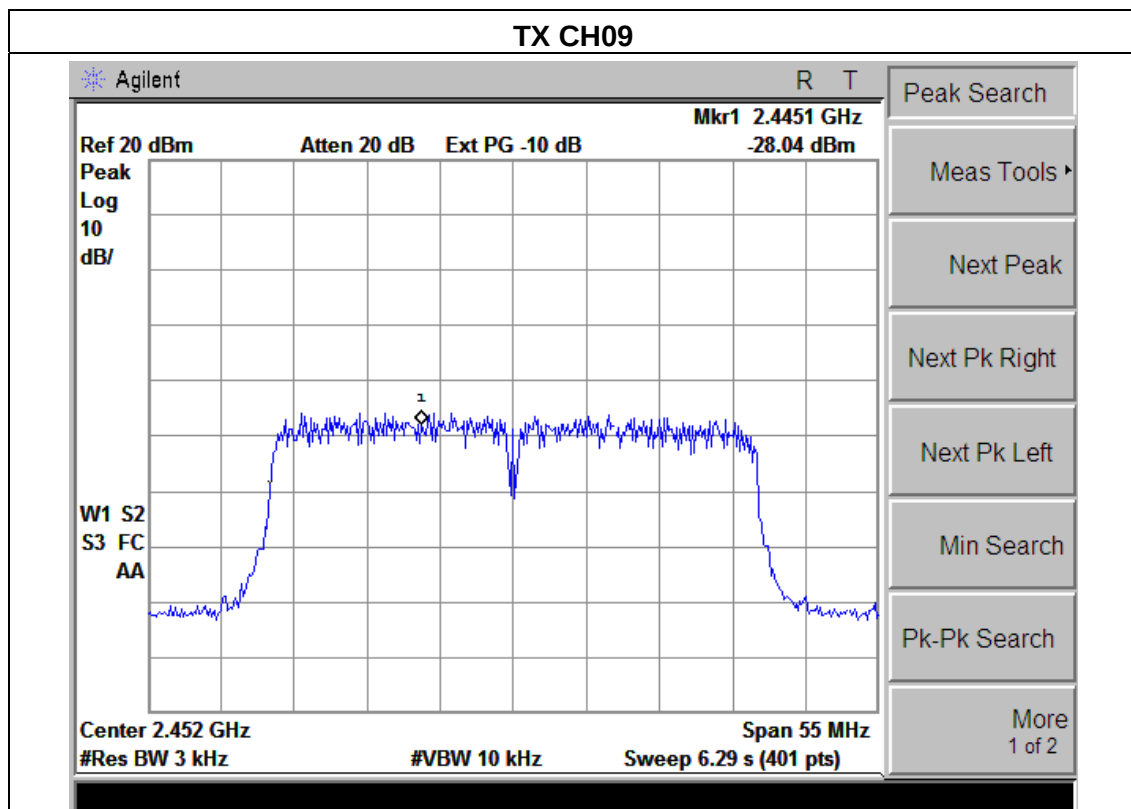
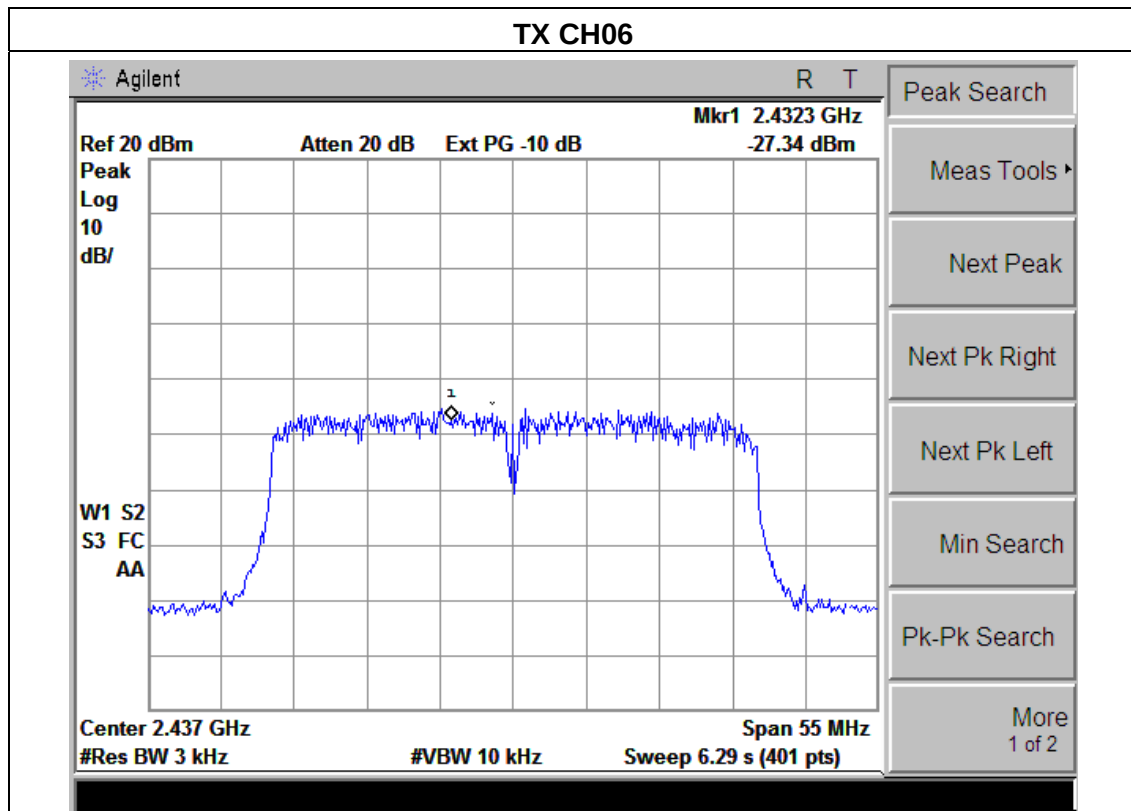
Frequency	Power Density A (dBm)	Power Density B (dBm)	Power Density (dBm)	Limit (dBm)	Result
2422 MHz	-24.62	-25.58	-22.06	7	PASS
2437 MHz	-27.34	-24.15	-22.45	7	PASS
2452 MHz	-28.04	-23.90	-22.48	7	PASS

Note:

A(B) Represent the value of antenna A and B, The worst data is A Antenna a ,only shown Antenna A Plot.

For 2.4G mode , Limit = $8-7+6=7$ dBm for output power.



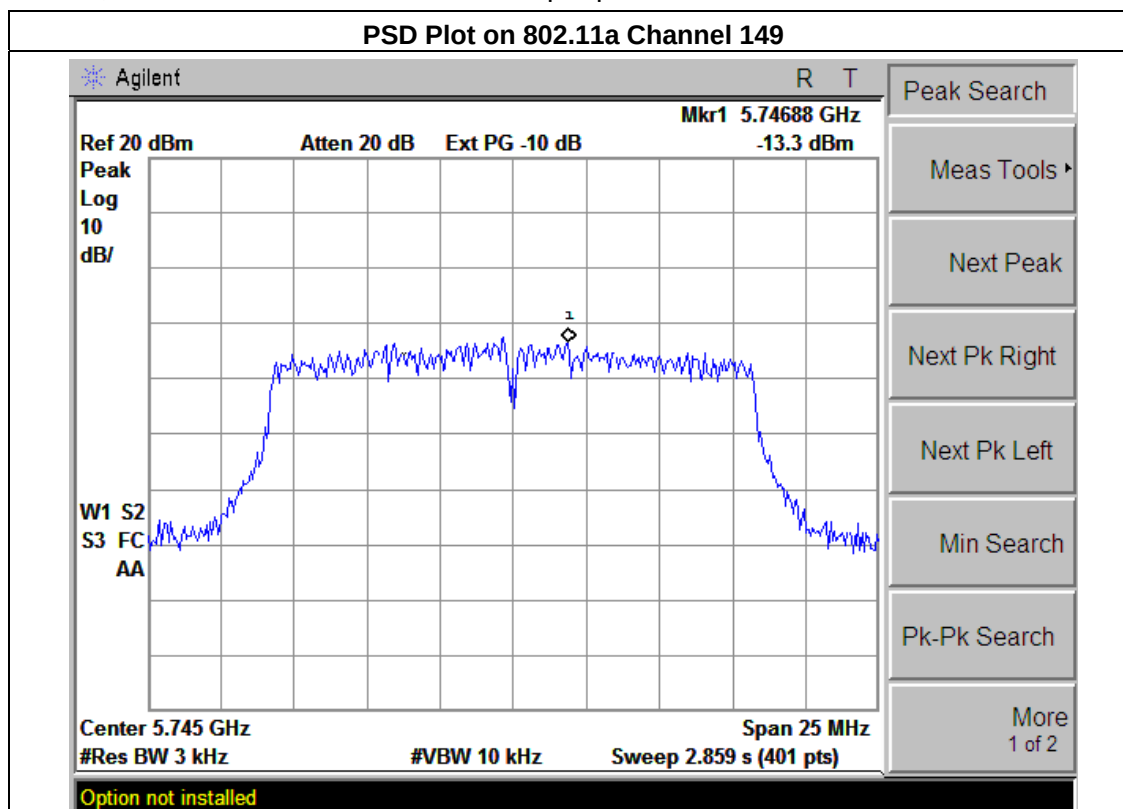


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	TX a Mode		

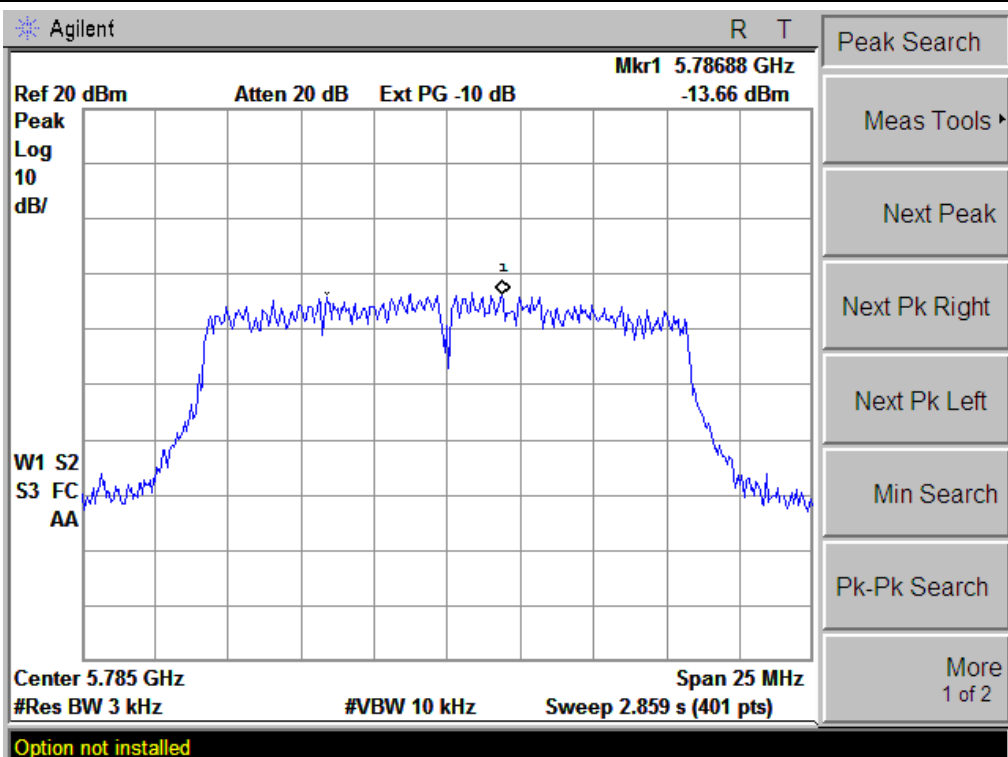
Channel	Frequency	802.11a Measured PSD (dBm)/C	802.11a Measured PSD (dBm)/D	802.11a Measured PSD (dBm)/E	802.11a Measured PSD	Limit (dBm)	Result
149	5745	-13.30	-17.10	-15.43	-10.23	4.23	PASS
157	5785	-13.66	-17.31	-15.23	-10.38	4.23	PASS
164	5825	-14.51	-17.09	-15.43	-10.78	4.23	PASS

Note: C D E Represent the value of antenna C and D,E, The worst data is C Antenna a ,only shown Antenna C Plot.

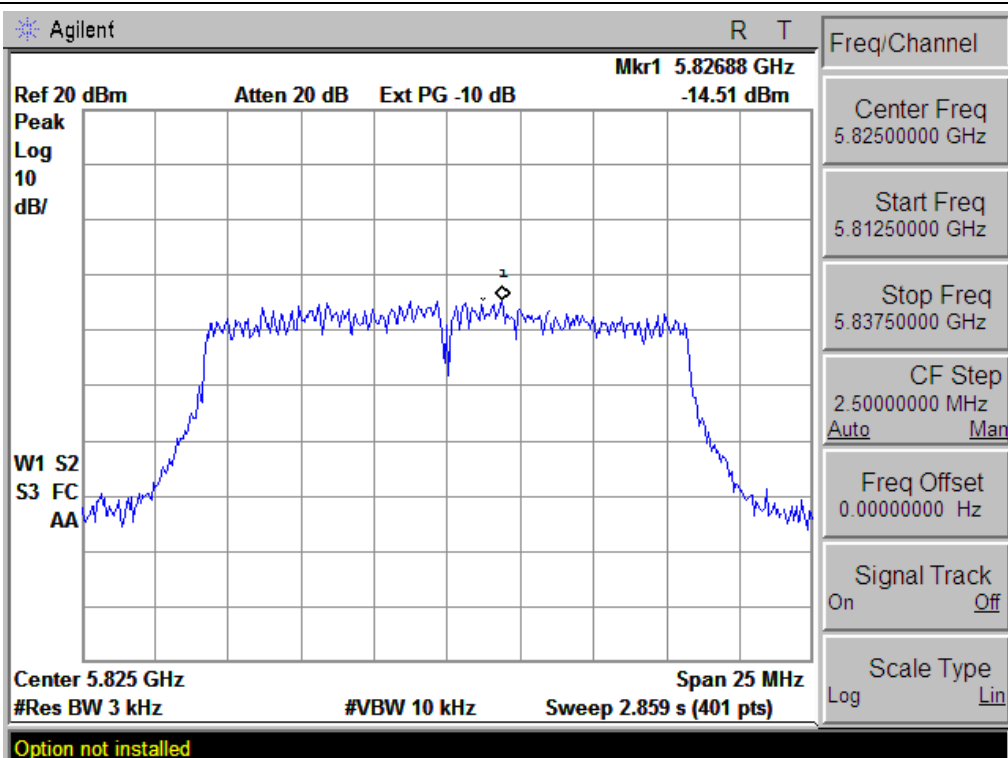
For 5G mode, Limit = $8 - 9.77 + 6 = 4.23$ dBm for output power



PSD Plot on 802.11a Channel 157



PSD Plot on 802.11a Channel 161

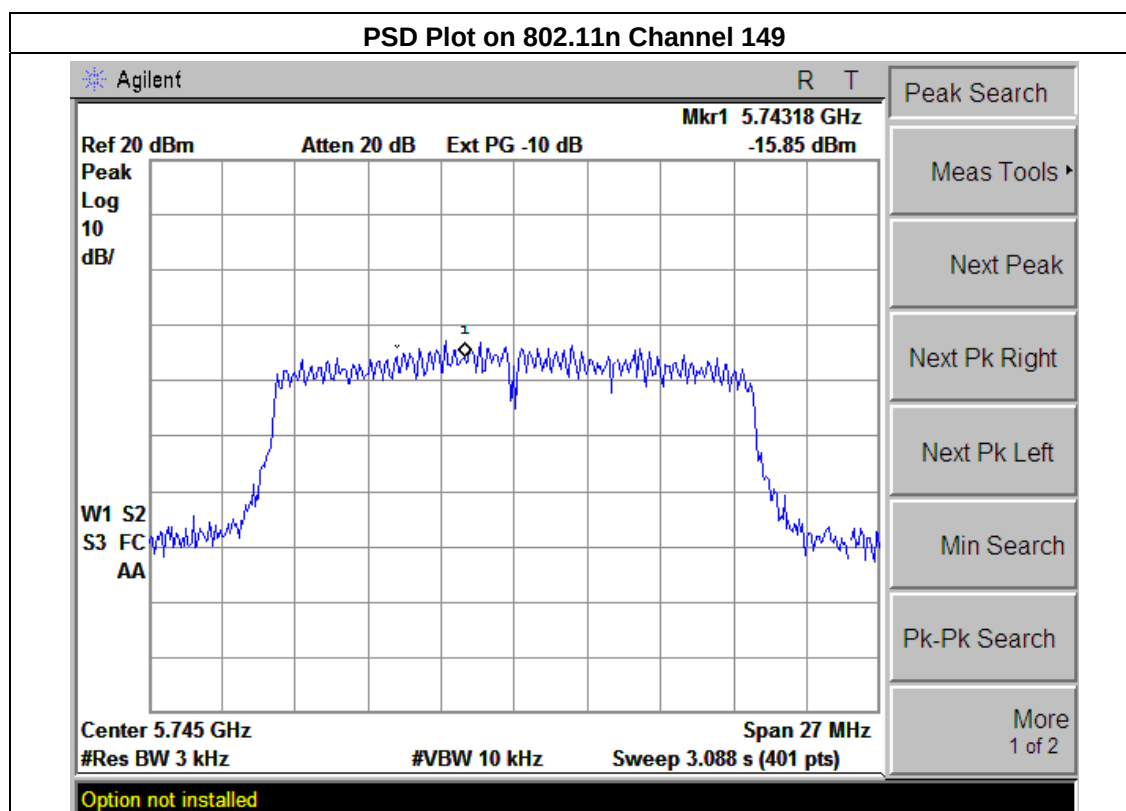


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	TX n Mode(20)		

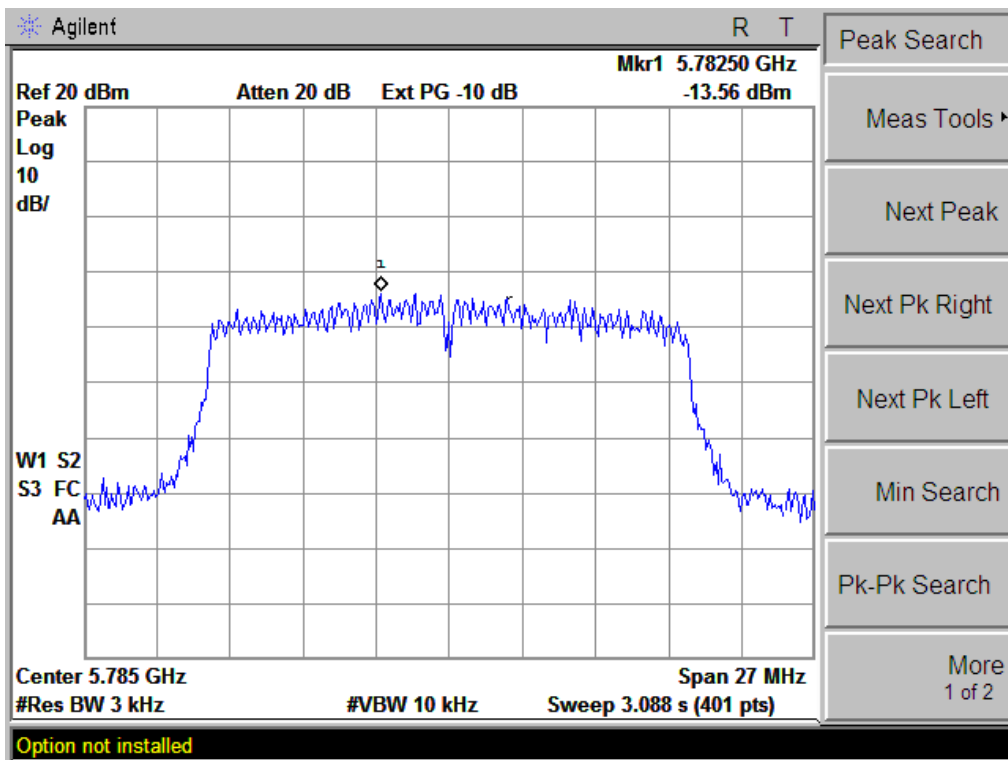
Channel	Frequency	802.11n Measured PSD (dBm)/C	802.11n Measured PSD (dBm)/D	802.11n Measured PSD (dBm)/E	802.11n Measured PSD	Limit (dBm)	Result
149	5745	-15.85	-19.10	-17.40	-12.48	4.23	PASS
157	5785	-13.56	-19.23	-17.21	-11.25	4.23	PASS
164	5825	-17.11	-19.06	-17.25	-12.95	4.23	PASS

Note: C D E Represent the value of antenna C and D,E,The worst data is A Antenna a ,only shown Antenna C Plot.

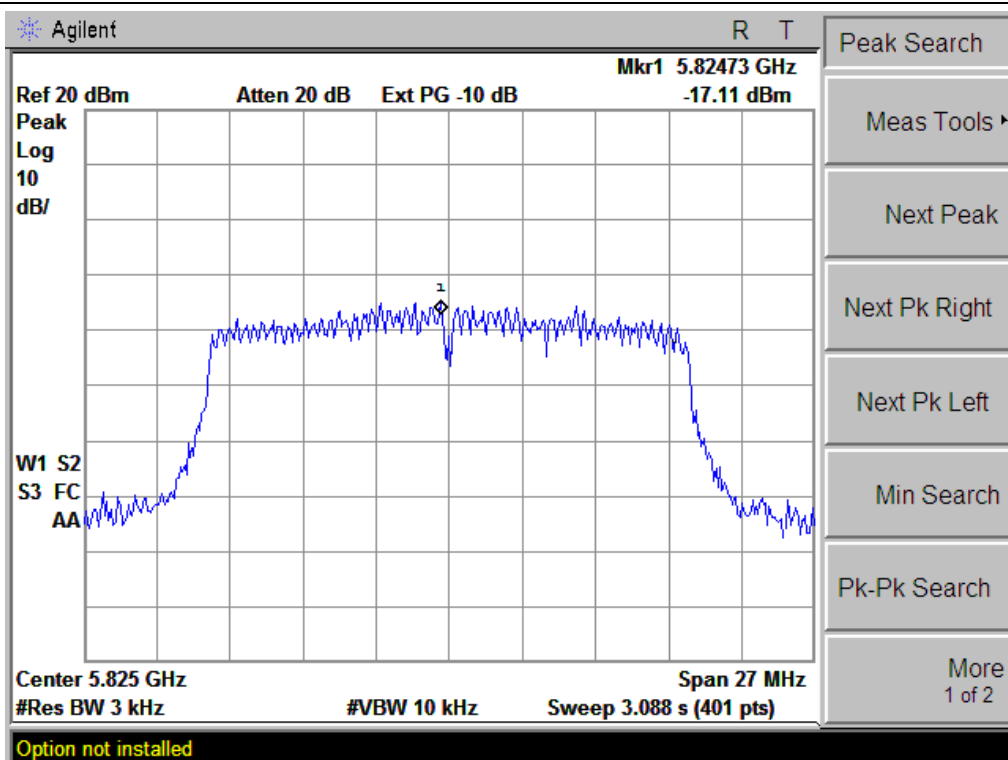
For 5G mode,Limit =8-9.77+6=4.23 dBm for output power



PSD Plot on 802.11n Channel 157



PSD Plot on 802.11n Channel 161



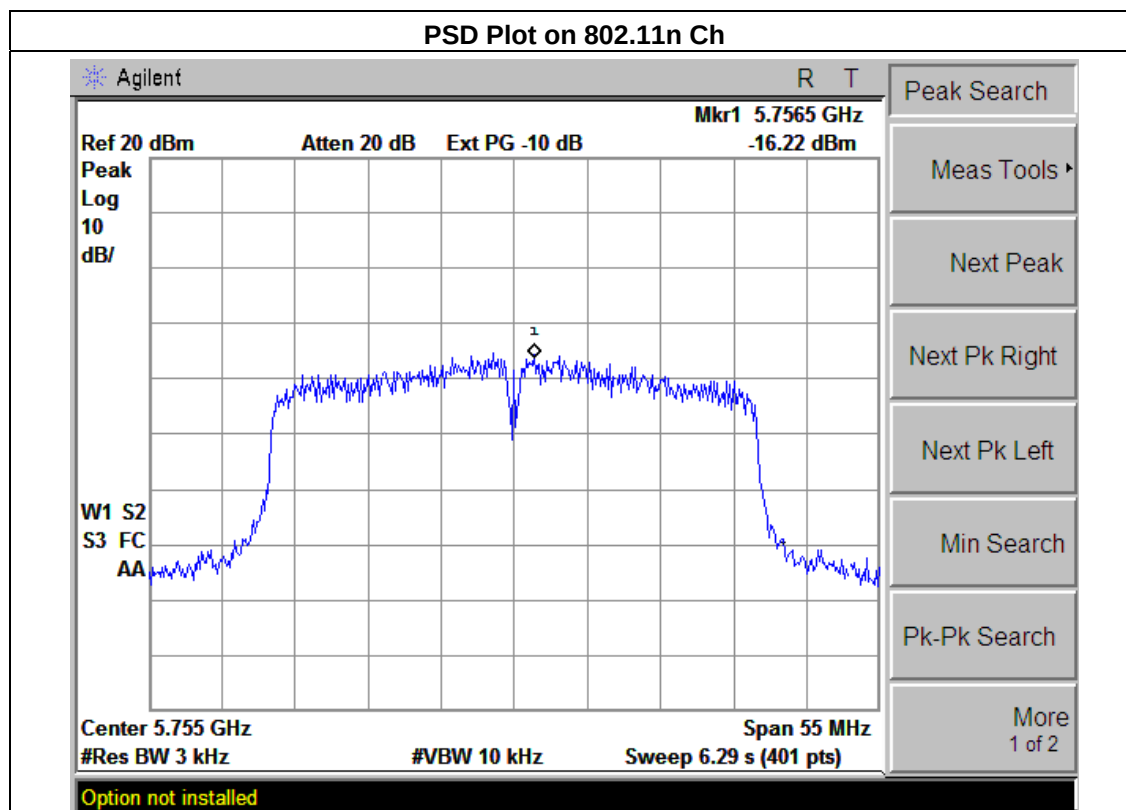
EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	TX n Mode(40)		

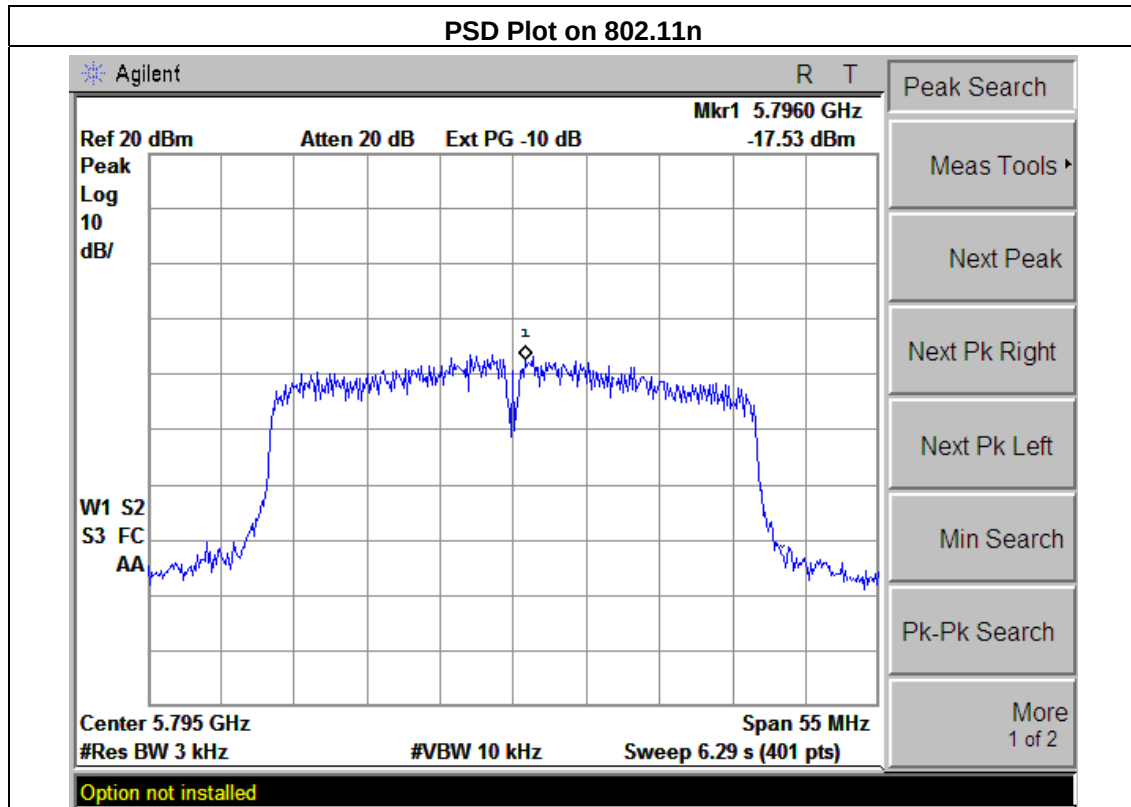
Frequency	802.11n Measured PSD (dBm)/C	802.11n Measured PSD (dBm)/D	802.11n Measured PSD (dBm)/E	802.11n Measured PSD	Limit (dBm)	Result
5755	-15.85	-19.10	-17.40	-12.48	4.23	PASS
5795	-13.56	-19.23	-17.21	-11.25	4.23	PASS

Note:

C D E Represent the value of antenna C and D,E, The worst data is A Antenna a ,only shown Antenna C Plot.

For 5G mode, Limit = $8-9.77+6=4.23$ dBm for output power





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	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5 5745-5825	PASS

5.1.1 TEST PROCEDURE

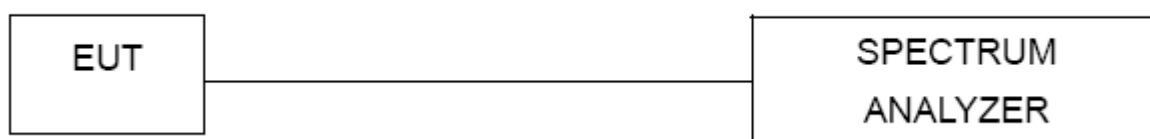
a.

1. Set resolution bandwidth (RBW) = 1-5% or DTS BW, not to exceed 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



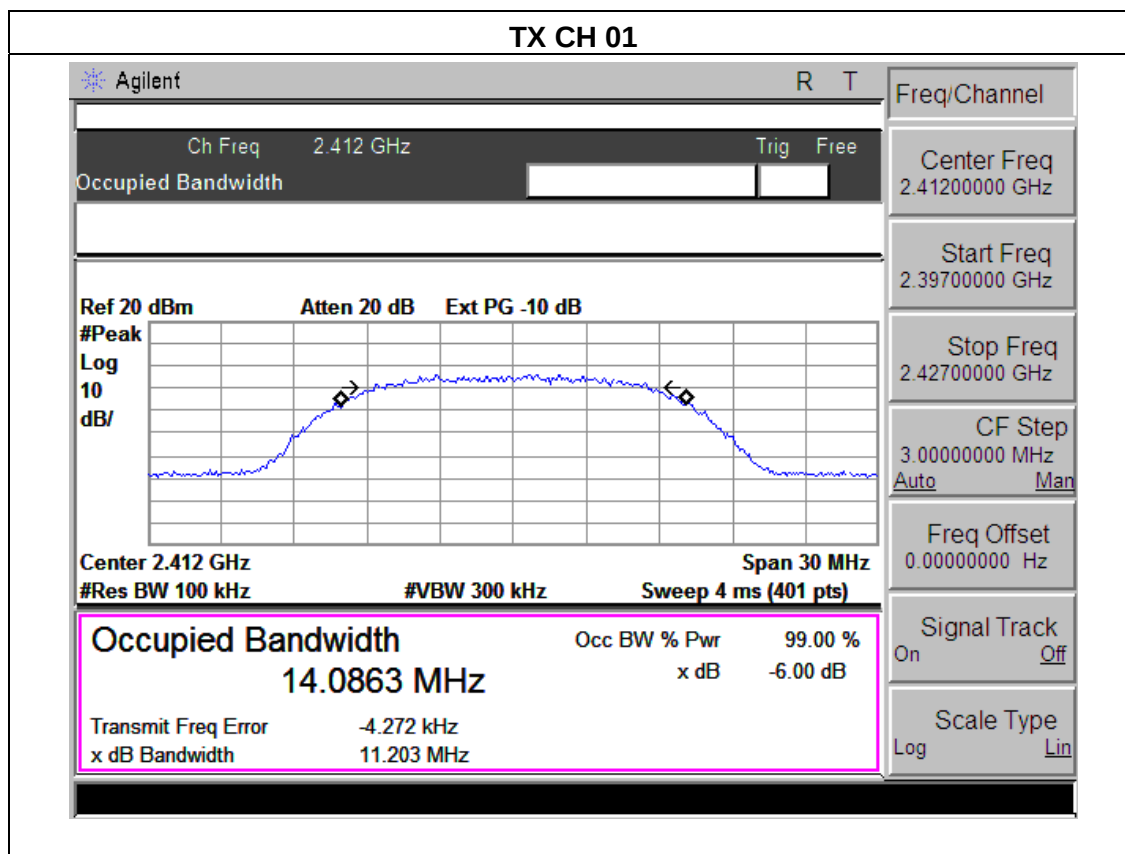
5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

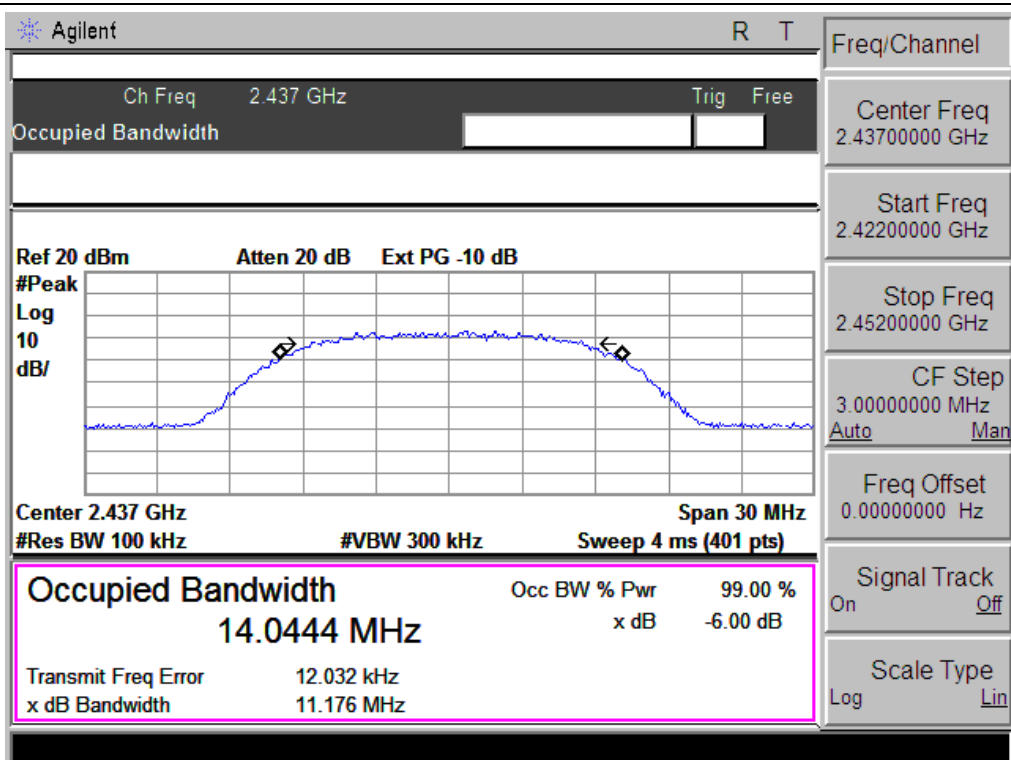
5.1.5 TEST RESULTS

EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 5.0V
Test Mode :	TX b Mode /CH01, CH06, CH11		

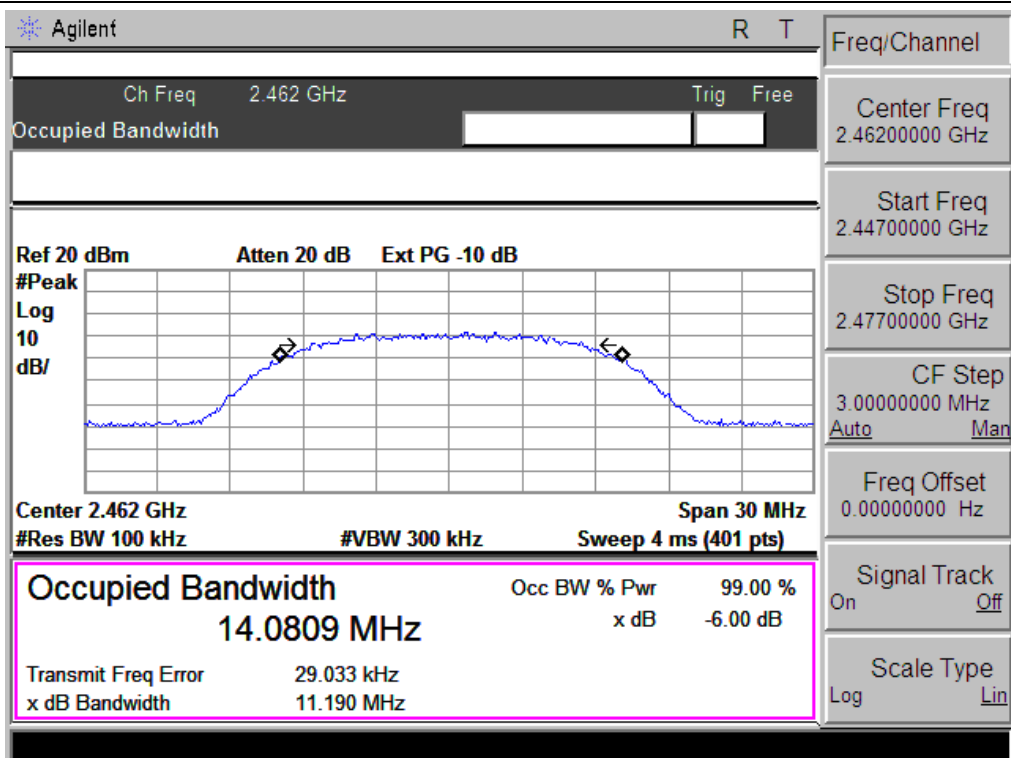
Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	11.203	14.086	>=500KHz	PASS
2437 MHz	12.032	14.044	>=500KHz	PASS
2462 MHz	11.190	14.081	>=500KHz	PASS



TX CH 06

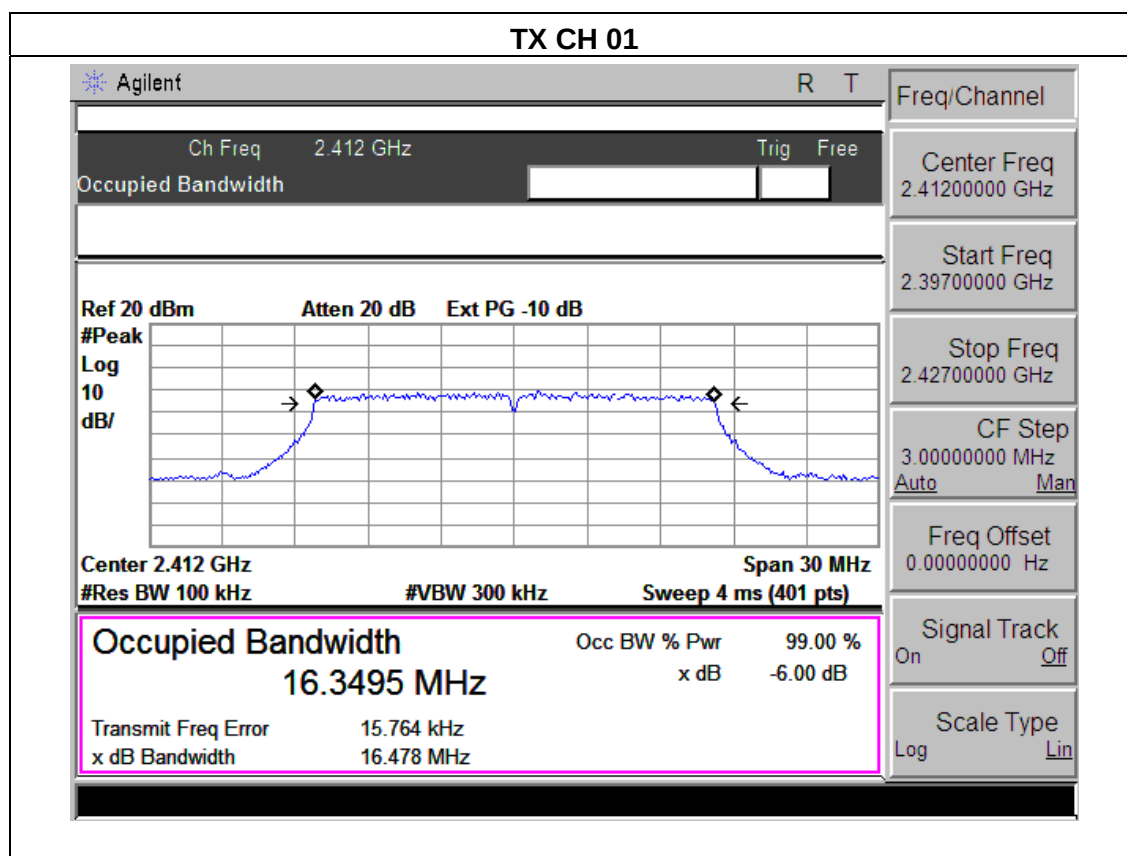


TX CH 11

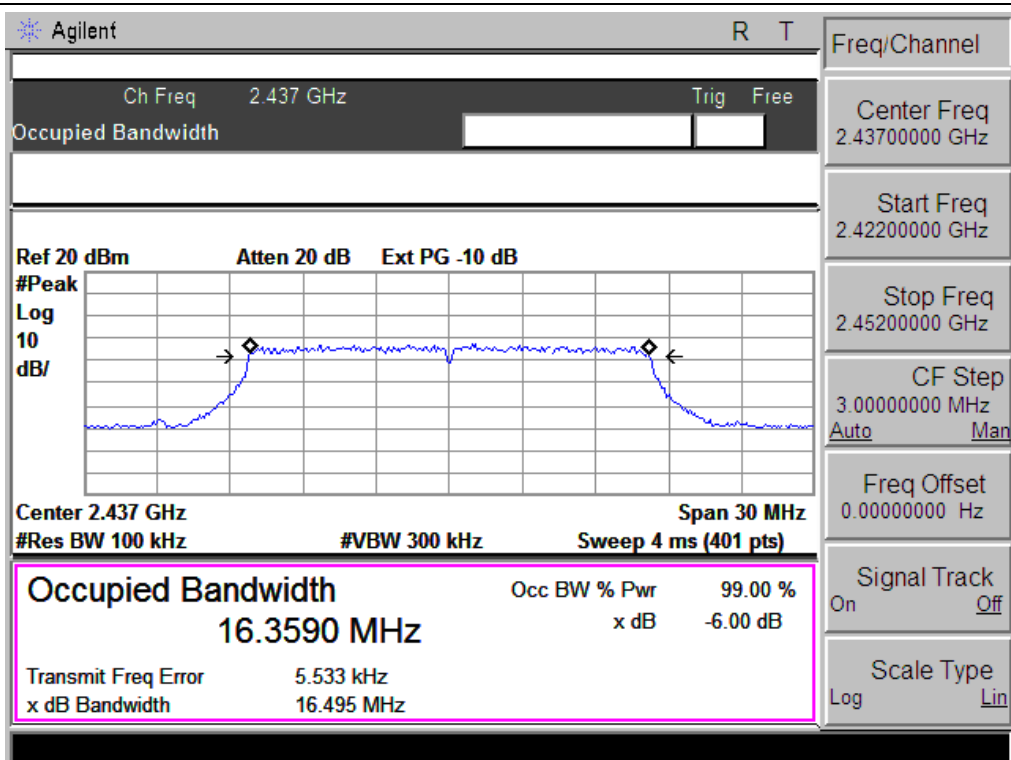


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 5.0V
Test Mode :	TX g Mode /CH01, CH06, CH11		

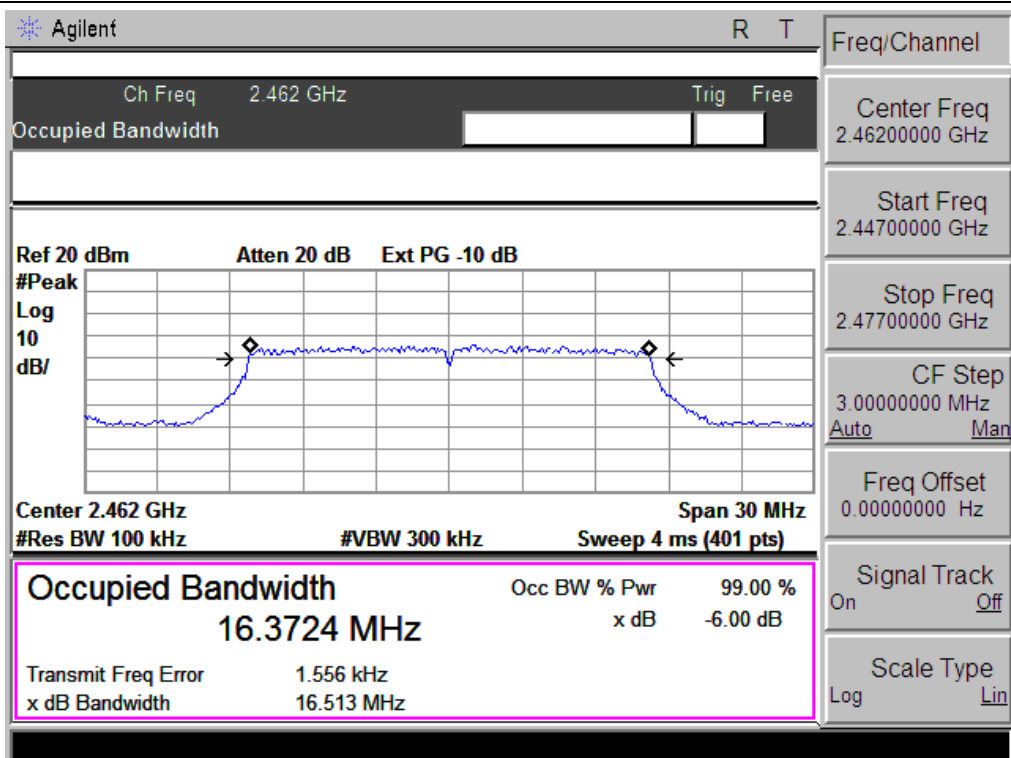
Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	16.478	16.350	>=500KHz	PASS
2437 MHz	16.495	16.360	>=500KHz	PASS
2462 MHz	16.513	16.372	>=500KHz	PASS



TX CH 06

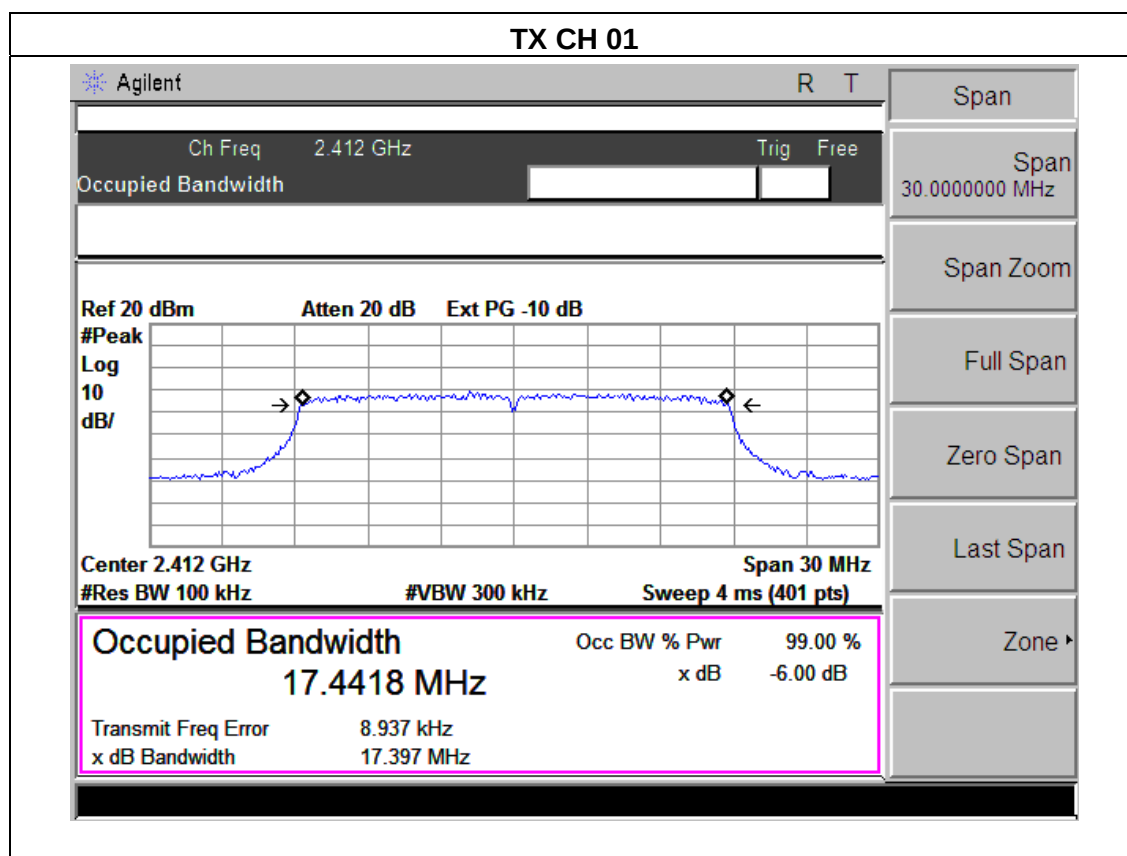


TX CH 11

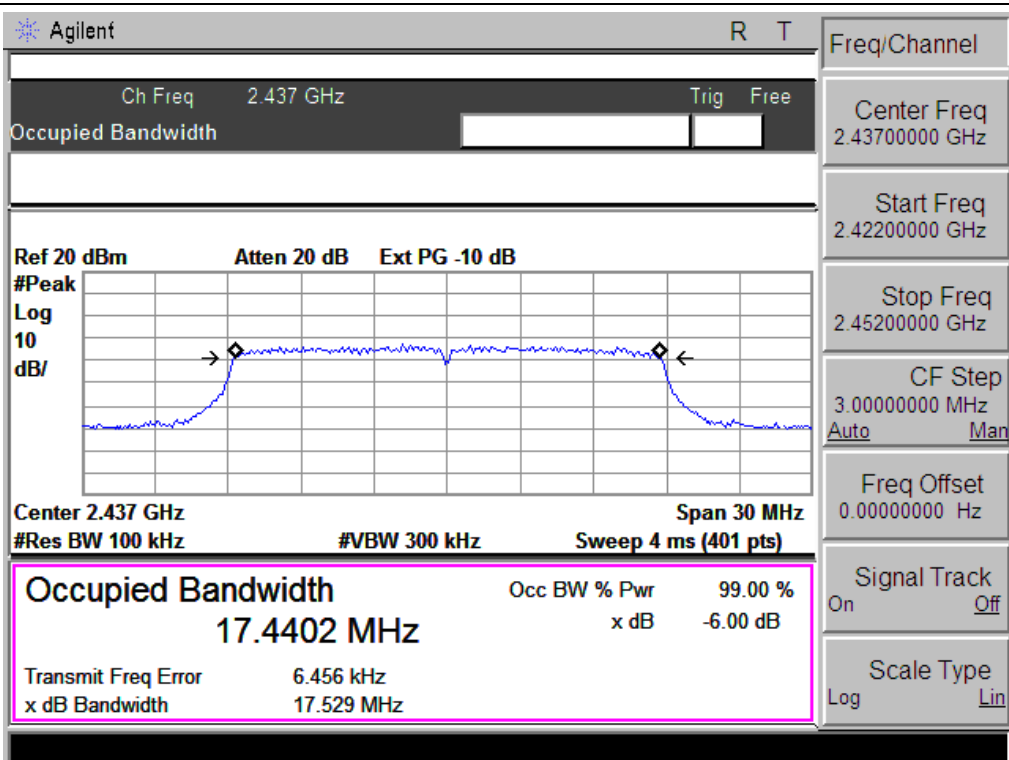


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 5.0V
Test Mode :	TX n Mode(20M) /CH01, CH06, CH11		

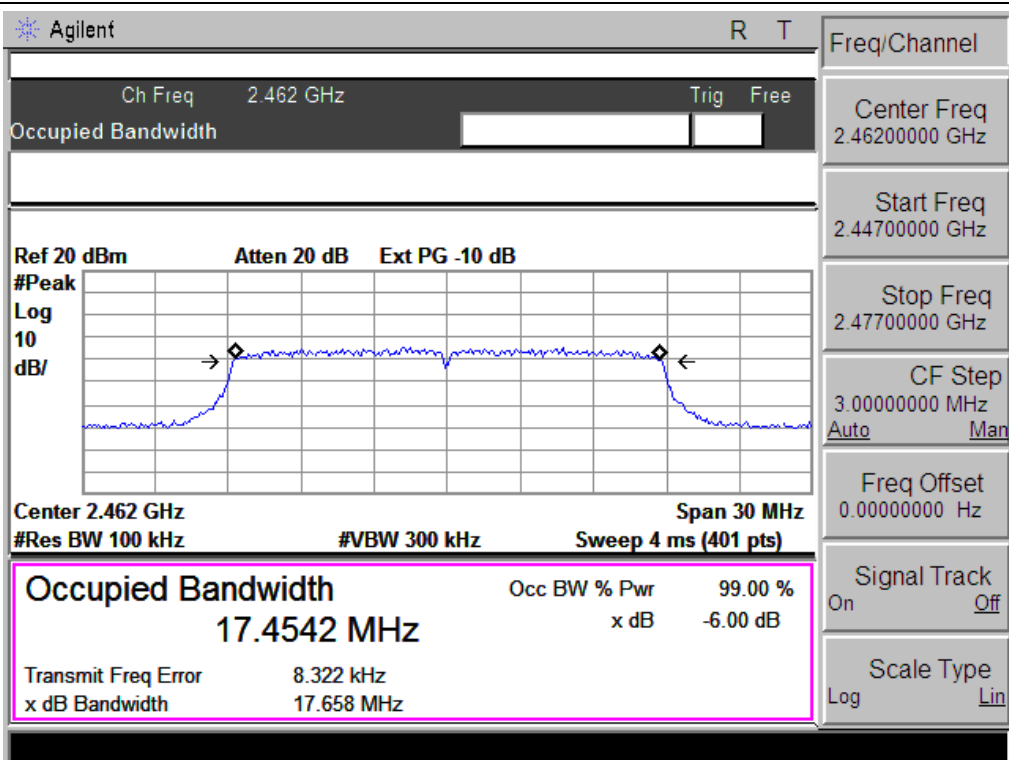
Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	17.397	17.442	>=500KHz	PASS
2437 MHz	17.529	17.440	>=500KHz	PASS
2462 MHz	17.658	17.454	>=500KHz	PASS



TX CH 06

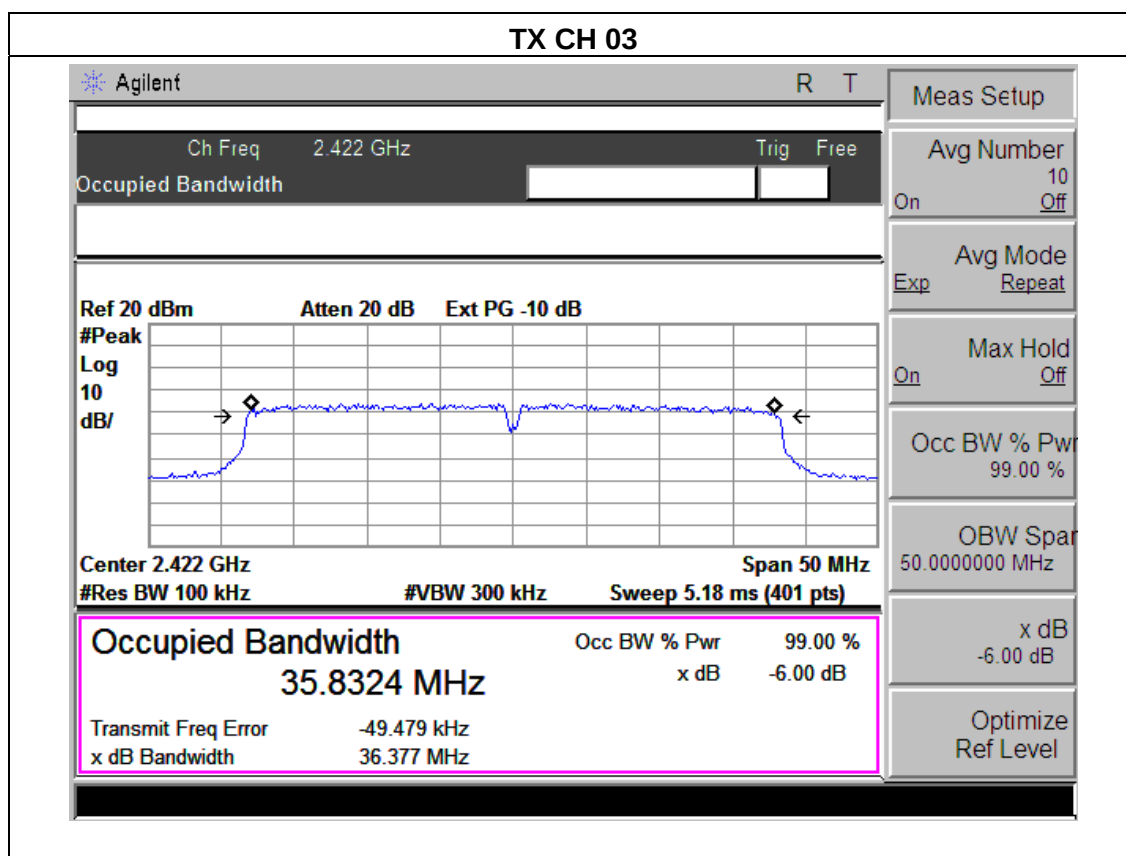


TX CH 11

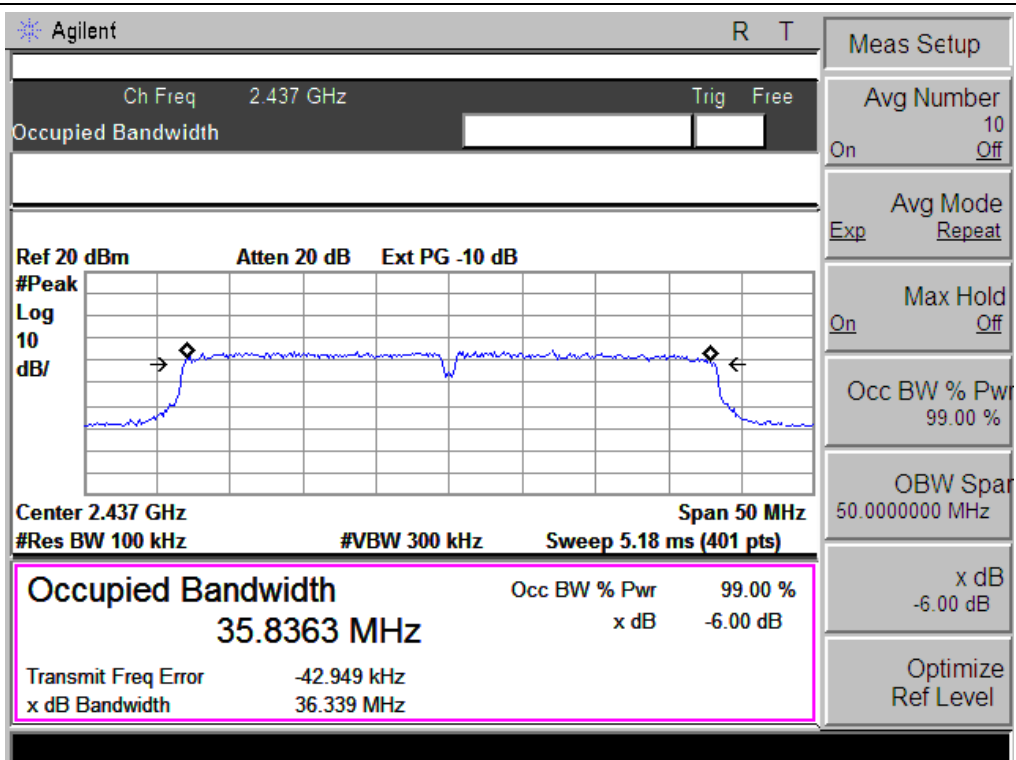


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 5.0V
Test Mode :	TX n Mode(40M) /CH03, CH06, CH09		

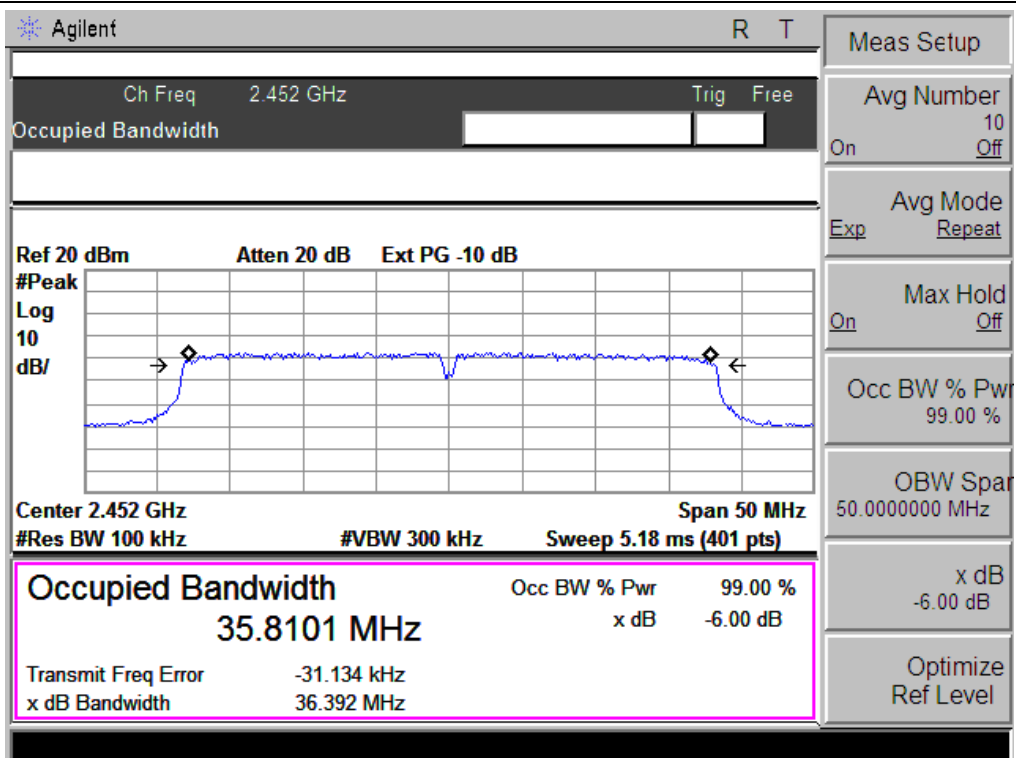
Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2422 MHz	36.377	35.832	>=500KHz	PASS
2437 MHz	36.339	35.836	>=500KHz	PASS
2452 MHz	36.392	35.8101	>=500KHz	PASS



TX CH 06

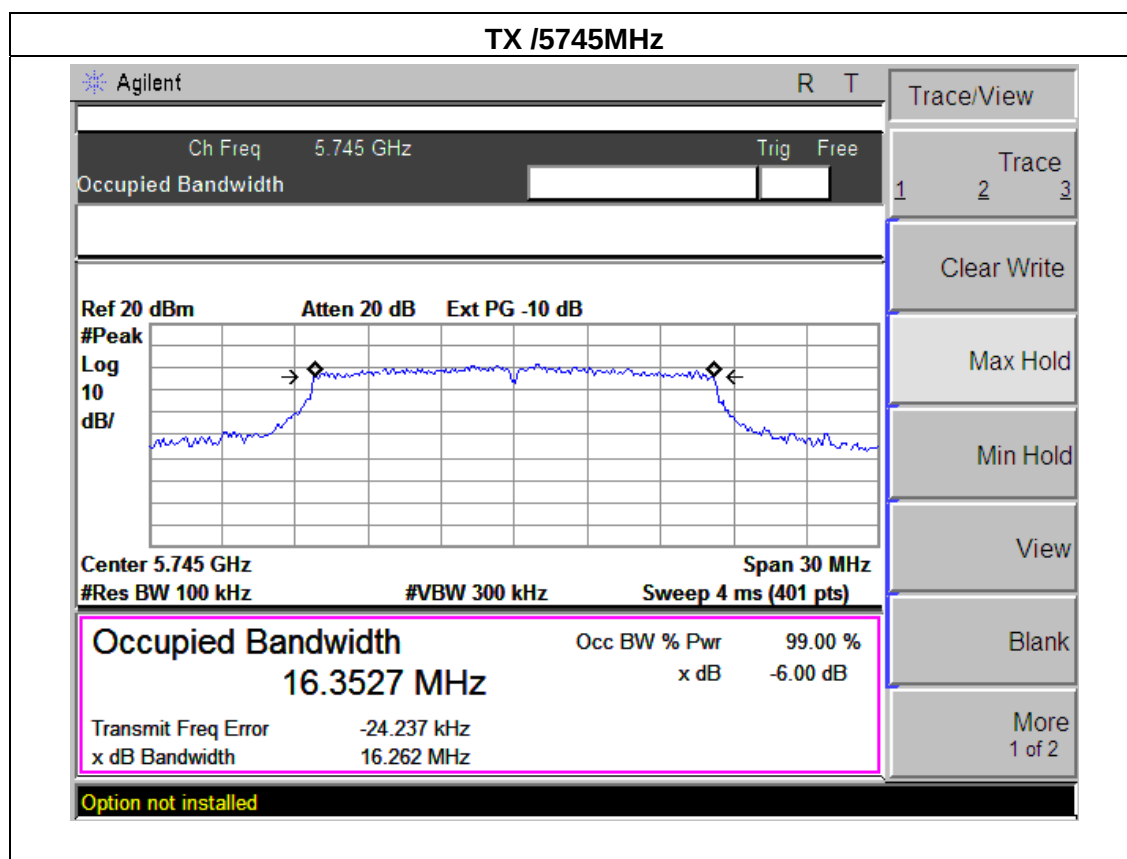


TX CH 09

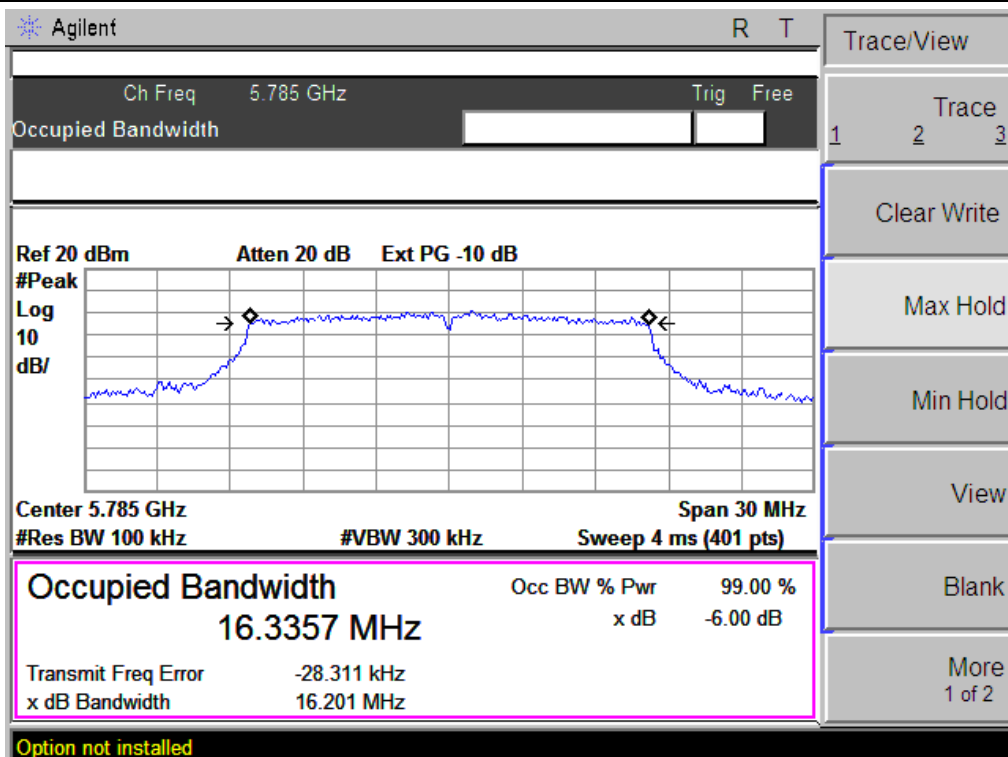


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	TX a Mode		

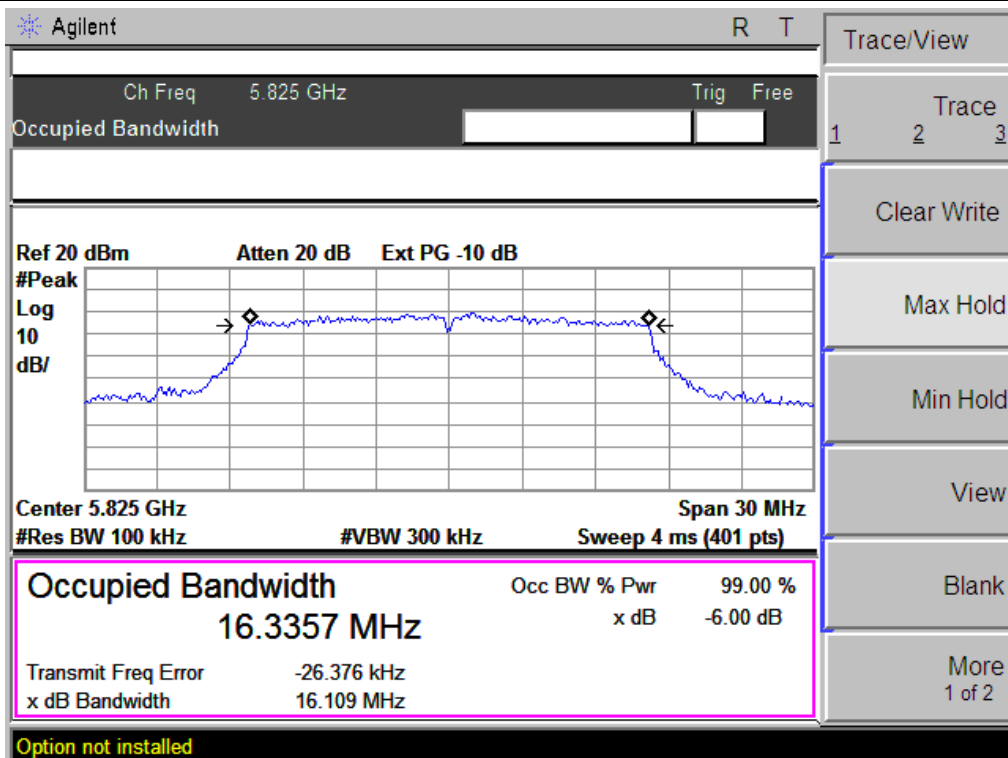
Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
5745 MHz	16.262	16.353	>=500KHz	PASS
5785 MHz	16.201	16.336	>=500KHz	PASS
5825 MHz	16.109	16.336	>=500KHz	PASS



TX /5785 MHz

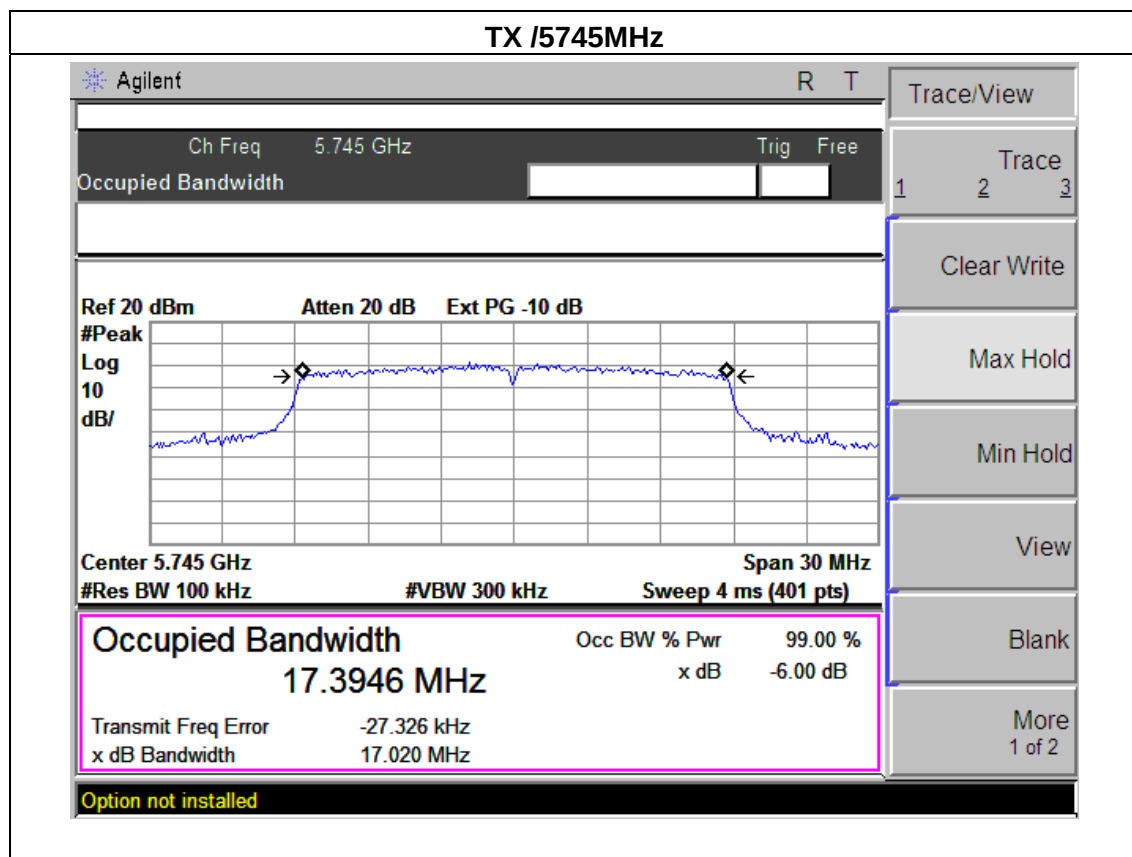


TX/5825MHz

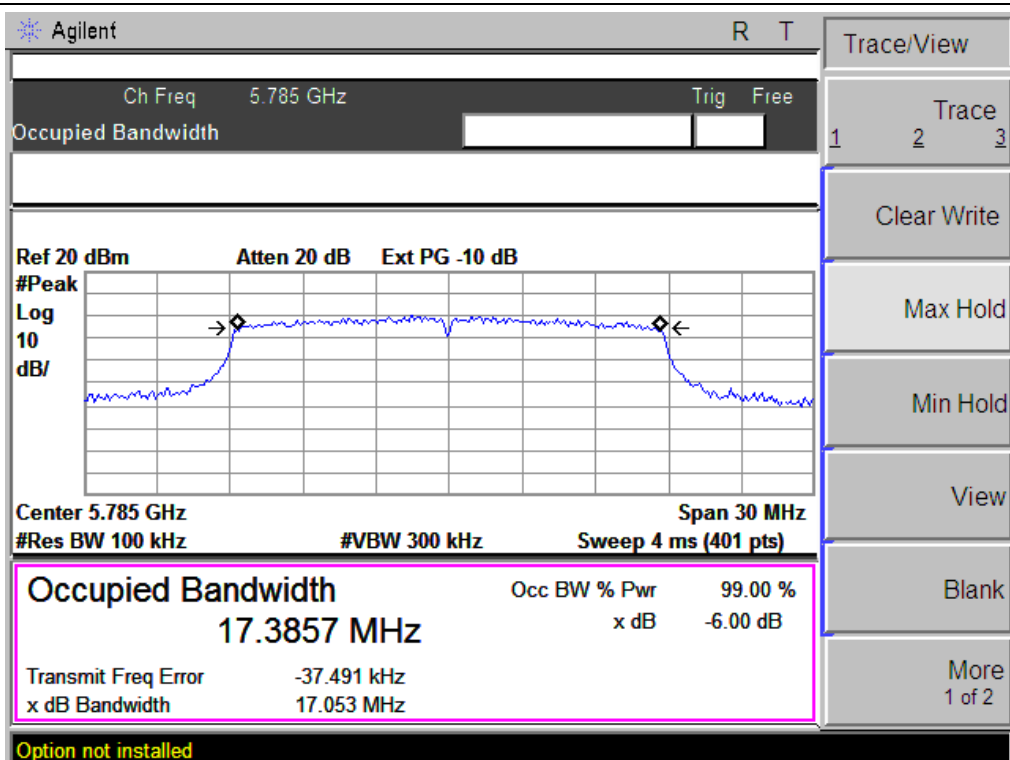


EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	TX n(20)		

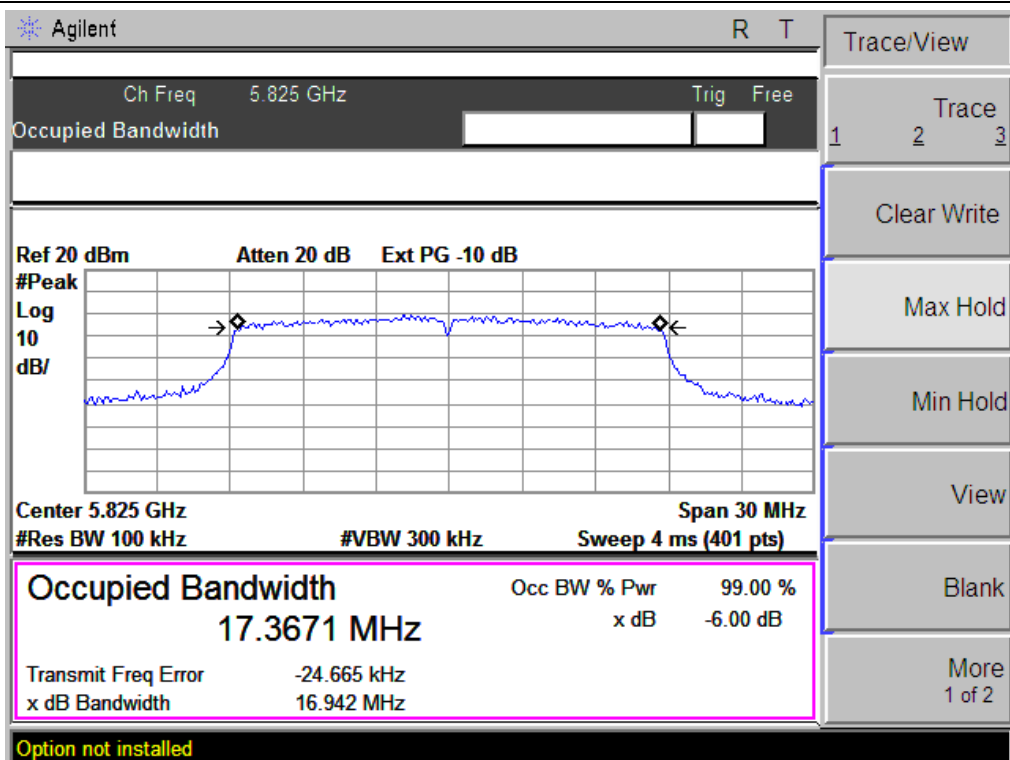
Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
5745 MHz	17.020	17.395	>=500KHz	PASS
5785 MHz	17.053	17.386	>=500KHz	PASS
5825 MHz	16.942	17.367	>=500KHz	PASS



TX /5785MHz

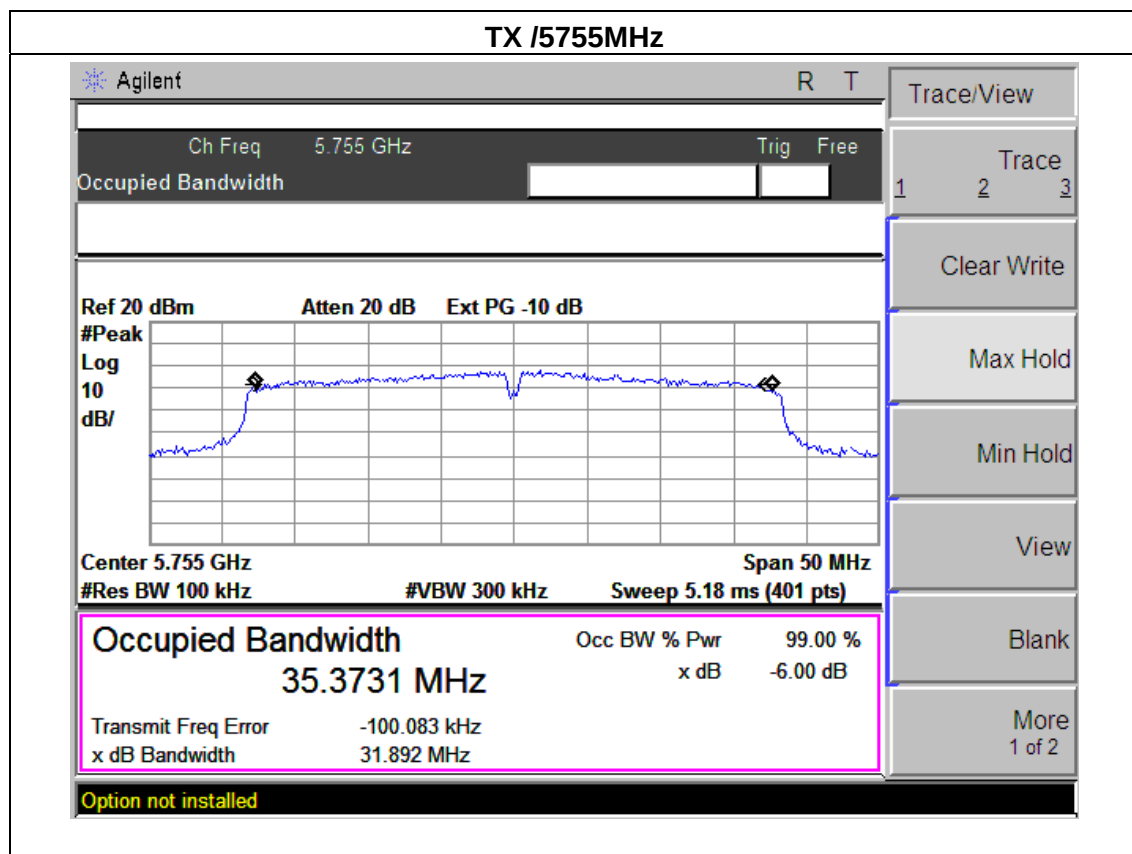


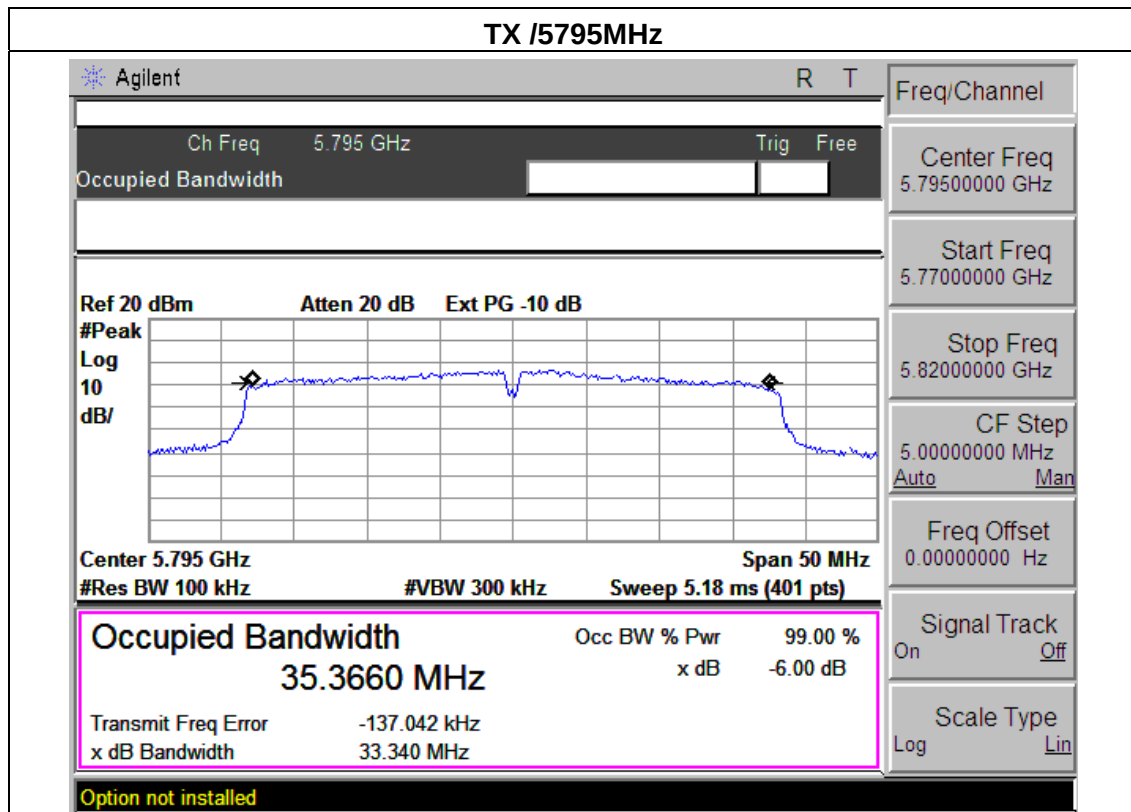
TX /5825MHz



EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 12V from Adapter AC 120V/60Hz
Test Mode :	TX n(40)		

Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
5755 MHz	31.892	35.373	>=500KHz	PASS
5795 MHz	33.340	35.366	>=500KHz	PASS





6. PEAK OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5 5745-5825	PASS

6.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the Power meter.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.5 TEST RESULTS

EUT :	750Mbps Intelligent Dual Band Gigabit Wireless Router	Model Name :	JHR-N936R
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 5.0V
Test Mode :	TX b/g/n(20M,40M) Mode /CH01, CH06, CH11		

802.11b Mode

Test Channe	Frequency	Output Power/A	Output Power/B	Total Output Power	LIMIT
	(MHz)	dBm	dBm	dBm	dBm
CH01	2412	16.22	13.10	17.94	29
CH06	2437	15.67	11.70	17.13	29
CH11	2462	14.65	10.53	16.07	29

802.11g Mode

CH01	2412	12.03	10.98	14.55	29
CH06	2437	11.47	9.45	13.59	29
CH11	2462	10.66	8.43	12.70	29

802.11n(20) Mode

CH01	2412	11.46	10.48	14.01	29
CH06	2437	10.92	8.96	13.06	29
CH11	2462	9.33	8.28	11.85	29

802.11n(40) Mode

CH03	2422	11.66	9.61	13.77	29
CH06	2437	11.17	9.13	13.28	29
CH09	2452	10.77	9.11	13.03	29

802.11a Mode

Test Channe	Frequency	Output Power/C	Output Power/D	Output Power/E	Total Output Power	LIMIT
	(MHz)	dBm	dBm	dBm	dBm	dBm
CH149	5745 MHz	18.28	9.53	10.67	18.63	26.23
CH157	5785 MHz	17.68	9.42	10.98	19.48	26.23
CH165	5825 MHz	16.82	9.33	10.87	19.01	26.23
802.11n(20) Mode						
CH149	5745 MHz	18.33	9.32	10.78	19.47	26.23
CH157	5785 MHz	17.51	9.21	10.76	18.84	26.23
CH165	5825 MHz	17.04	9.22	10.76	18.50	26.23
802.11n(40) Mode						
CH151	5755 MHz	17.20	9.45	10.54	18.61	26.23
CH159	5795 MHz	16.07	9.52	10.43	17.81	26.23

NOTE: For 2.4G mode , Limit =30-7+6=29dBm for output power.

For 5G mode,Limit =30-9.77+6=26.23 dBm for output power

7. ANTENNA REQUIREMENT

7.1 STANDARD REQUIREMENT

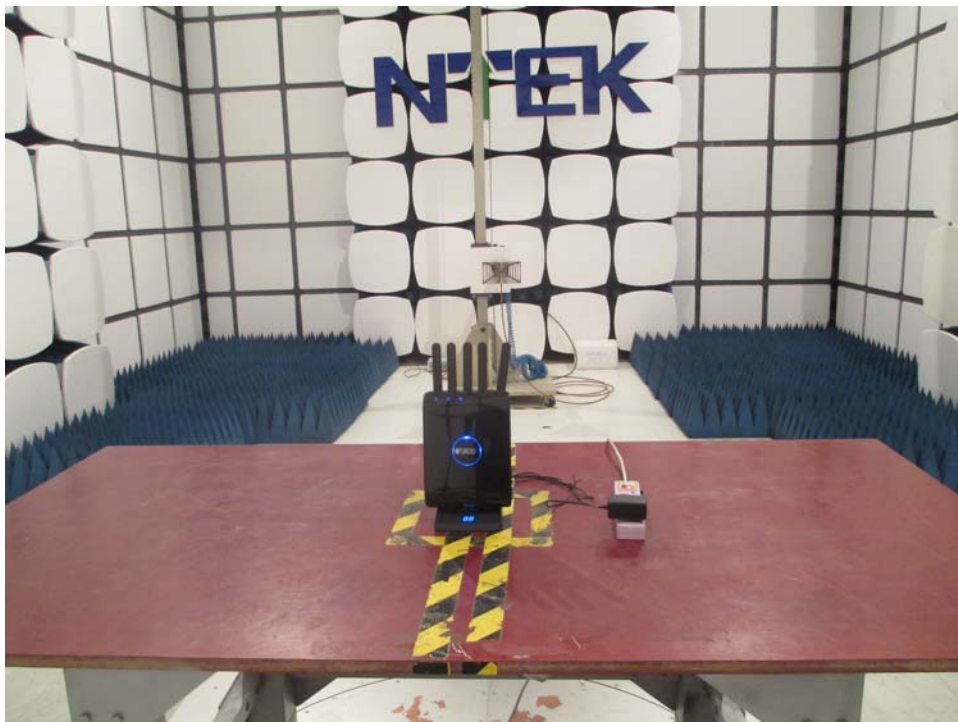
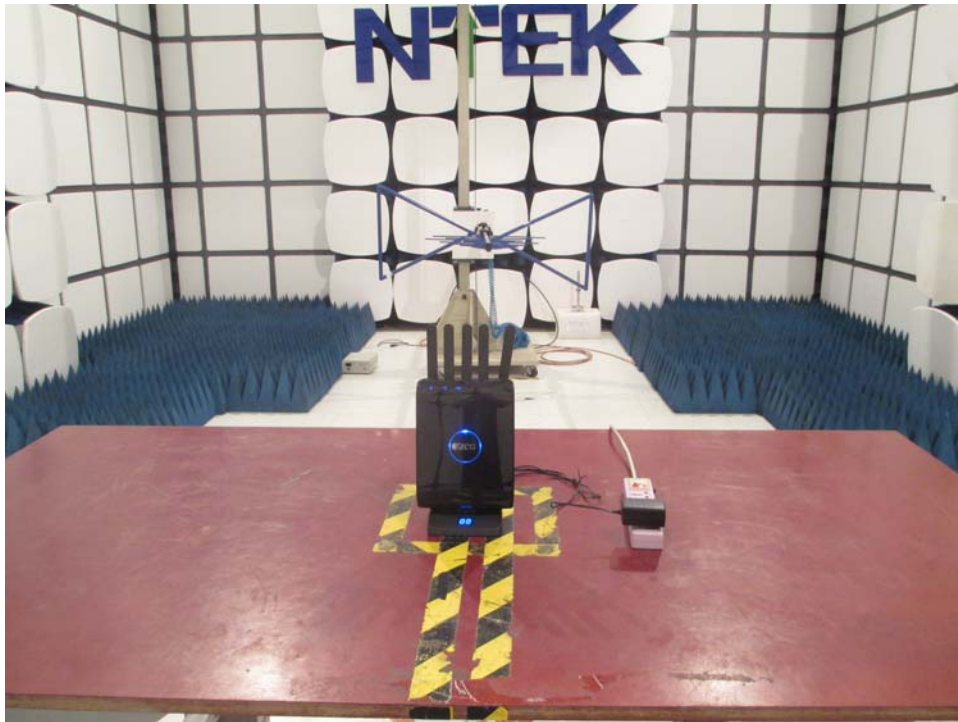
15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

7.2 EUT ANTENNA

The EUT antenna is external antenna(Reserve SMA-type). It comply with the standard requirement.

8. EUT TEST PHOTO

Radiated Measurement Photos



Conducted Measurement Photos