FCC PART 15 Subpart C TEST REPORT

for

PR30 series HSPA+ WLAN Pocket Router

Model No.: PR30

FCC ID: UZI-PR30

of

Applicant: BandRich Inc.
Address: 7F., No.188, Baociao Rd., Sindian City, Taipei County 23145,
Taiwan (R.O.C.)

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: 930600

Industry Canada filed test laboratory Reg. No. IC 5679A-1

A2LA Accredited No.: 2732.01





Report No.: W6M21103-11284-C-1

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C. TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: wts@wts-lab.com

FCC ID: UZI-PR30

TABLE OF CONTENTS

1	GE	NERAL INFORMATION	2
	1.1	Notes	2
	1.2	TESTING LABORATORY	3
	1.2.	1 Location	3
	1.2.	2 Details of accreditation status	3
	1.3	DETAILS OF APPROVAL HOLDER.	3
	1.4	APPLICATION DETAILS	4
	1.5	GENERAL INFORMATION OF TEST ITEM	4
	1.6	TEST STANDARDS	5
2	TE	CHNICAL TEST	6
	2.1	SUMMARY OF TEST RESULTS	6
	2.2	TEST ENVIRONMENT	6
	2.3	TEST EQUIPMENT LIST	7
	2.4	GENERAL TEST PROCEDURE	10
3	TE	ST RESULTS (ENCLOSURE)	12
	3.1	PEAK OUTPUT POWER (TRANSMITTER)	13
	3.2	EQUIVALENT ISOTROPIC RADIATED POWER	23
	3.3	RF Exposure Compliance Requirements	23
	3.4	TRANSMITTER RADIATED EMISSIONS IN RESTRICTED BANDS	24
	3.5	Spurious Emissions (TX)	25
	3.6	RADIATED EMISSION ON THE BAND EDGE	33
	3.7	MINIMUM 6 dB BANDWIDTH	37
	3.8	PEAK POWER SPECTRAL DENSITY	43
	3.9	RADIATED EMISSION FROM DIGITAL PART	49
	3.10	POWER LINE CONDUCTED EMISSION	50
A	PPENI	DIX	52

FCC ID: UZI-PR30

1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems. The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that is performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.

The test report may only be reproduced or published in full.

Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.

Specific Conditions:

Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations for each individual configuration performed, for certification by FCC.

The test sample is able to work according IEEE 802.11 b/g/n.

This report is related to FCC Part 15 C (DSSS and OFDM device).

Tester:

April 14, 2011	Da	anny Sung	Vanny		
Date	WTS-Lab.	Name	Signature		

Technical responsibility for area of testing:

April 14, 2011		Chang Tse-Ming	Chang Tre-Ming
Date	WTS	Name	Signature

FCC ID: UZI-PR30

1.2 Testing laboratory

1.2.1 Location

OATS

No.5-1, Lishui, Shuang Sing Village, Wanli Dist., New Taipei City 207,

Taiwan (R.O.C.)

Company

Worldwide Testing Services(Taiwan) Co., Ltd. 6F, NO. 58, LANE 188, RUEY-KUANG RD. NEIHU, TAIPEI 114, TAIWAN R.O.C.

Tel : 886-2-66068877 Fax : 886-2-66068879

1.2.2 Details of accreditation status

Accredited testing laboratory

A2LA accredited number: 2732.01

FCC filed test laboratory Reg. No. 930600

Industry Canada filed test laboratory Reg. No. IC 5679A-1





Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd.:

Name:	./.
Accredited number:	./.
Street:	./.
Town:	./.
Country:	./.
Telephone:	./.
Fax:	./.

1.3 Details of approval holder

Name: BandRich Inc.

Street: 7F., No.188, Baociao Rd.,

 City:
 Sindian City,

 Country:
 Taiwan (R.O.C.)

 Telephone:
 +886-2-8914-6588

 Fax:
 +886-2-8914-5065

Teletex: ./.

FCC ID: UZI-PR30

1.4 Application details

Date of receipt of test item: March 2, 2011

Date of test: from March 3, 2011 to April 14, 2011

1.5 General information of Test item					
Type of test item:	PR30 series HSPA+ WLAN Pocket R	Router			
Model Number:	PR30				
Brand Name:	BandLuxe				
Multi-listing model number:	./.				
Photos:	see Appendix				
Technical data					
Frequency band:	2.4 GHz – 2.4835 GHz				
11b, 11g, 11n 20MHz					
Frequency (ch 1 or A):	2.412 GHz				
Frequency (ch 6 or B):	2.437 GHz				
Frequency (ch 11 or C):	2.462 GHz				
Number of Channels:	11b, 11g, 11n 20MHz: 11				
Operation modes:	duplex				
Modulation Type:	DSSS / OFDM				
Fixed point-to-point operation:	☐ Yes / 🔀 No				
Type of Antenna:	Monopole Antenna				
Antenna gain:	-3.39 dBi				
Power supply:	Adapter (I/P: 100-240VAC, 47-63 Hz, 0.35A;				
	O/P: 5Vdc, 2.0A)				
Emission designation	Battery (3.7 V, 8.51 Wh)				
Emission designator:	11b: DSSS: 16M4G1D				
	11g: OFDM: 16M5W7D 11n 20MHz: OFDM: 18M0W7D				
Host device:	none				
Classification :		·			
Fixed Device	D 1 11 (> 20)				
` <u> </u>	man Body distance > 20cm)				
· · · · · · · · · · · · · · · · · · ·	man Body distance < 20cm)				
Modular Radio Devi	ice				



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

<u>Transmitter</u> <u>Unom</u>

Peak power

Mode A (802.11b)

Power (ch 1 or A): Conducted: 12.41 dBm Power (ch 6 or B): Conducted: 12.25 dBm Power (ch 11 or C): Conducted: 12.31 dBm

Mode B (802.11g)

Power (ch 1 or A): Conducted: 12.81 dBm Power (ch 6 or B): Conducted: 12.75 dBm Power (ch 11 or C): Conducted: 12.63 dBm

Mode C (802.11n)

Power (ch 1 or A): Conducted: 12.91 dBm Power (ch 6 or B): Conducted: 12.75 dBm Power (ch 11 or C): Conducted: 12.88 dBm

Average power

Mode A (802.11b)

Power (ch 1 or A): Conducted: 7.61 dBm Power (ch 6 or B): Conducted: 7.52 dBm Power (ch 11 or C): Conducted: 7.39 dBm

Mode B (802.11g)

Power (ch 1 or A): Conducted: 5.82 dBm Power (ch 6 or B): Conducted: 5.84 dBm Power (ch 11 or C): Conducted: 5.80 dBm

Mode C (802.11n)

Power (ch 1 or A): Conducted: 5.77 dBm
Power (ch 6 or B): Conducted: 5.67 dBm
Power (ch 11 or C): Conducted: 5.82 dBm

Manufacturer: (if applicable)

Name: FAIR GOAL ELECTRONIC CO. Street: 1F.,No.97-1,Haihu,Luzhu Township,

Town: Taoyuan County 338, Country: Taiwan(R.O.C.)

Contact: ./.
Phone: ./.

1.6 Test standards

Technical standard: FCC RULES SUBPART C § 15.247 (2009-10)

FCC ID: UZI-PR30

2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed.	×
or	
The deviations as specified in 2.5 were ascertained in the course of the tests performed.	

2.2 Test environment

Temperature: 23 °C

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Power supply: Adapter (I/P: 100-240VAC, 47-63 Hz, 0.35A;

O/P: 5Vdc, 2.0A)

Battery (3.7 V, 8.51 Wh)

Extreme conditions parameters: ./.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

2.3 Test Equipment List

No.	Test equipment	Туре	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2010/9/2	2011/9/1
ETSTW-CE 004	ZWEILEITER-V- NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2011/3/10	2012/3/9
ETSTW-CE 005	Line-Impedance Stabilisation Network	NNBM 8126D	137	Schwarzbeck	2010/9/8	2011/9/7
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2010/5/8	2011/5/7
ETSTW-CE 007	SPECTRUM ANALYZER 5GHz	FSB	849670/001	R&S	Pre-test	Use NCR
ETSTW-CE 008	HF-EICHLEITUNG RF STEP ATTENUATOR 139dB DPSP	334.6010.02	844581/024	R&S	Functi	on Test
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2010/7/21	2011/7/20
ETSTW-CE 013	CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK	FCC-TLISN-T4-02	20242	FCC	2010/10/21	2011/10/20
ETSTW-CE 015	CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK	FCC-TLISN-T8-02	20307	FCC	2010/9/6	2011/9/5
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2011/2/21	2012/2/20
ETSTW-RE 002	Function Generator	33220A	MY43004982	Agilent	Functi	on Test
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2010/8/10	2011/8/9
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2010/9/14	2011/9/13
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2010/9/2	2011/9/1
ETSTW-RE 010	ABSORBING CLAMP	MDS 21	3469	Schwarzbeck	2010/9/6	2011/9/5
ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L	Functi	on Test
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0336	397	K&L	Functi	on Test
ETSTW-RE 018	MICROWAVE HORN ANTENNA	AT4560	27212	AR	2010/10/4	2011/10/3
ETSTW-RE 020	MICROWAVE HORN ANTENNA	AT4002A	306915	AR	Functi	on Test
ETSTW-RE 021	SWEEP GENERATOR	SWM05	835130/010	R&S	2010/8/20	2011/8/19
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	EMCO	2010/7/22	2011/7/21
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	EMCO	2011/2/25	2012/2/24
ETSTW-RE 032	Millivoltmeter	URV 55	849086/013	R&S	2010/10/4	2011/10/3
ETSTW-RE 033	WaveRunner 6000A Serise Oscilloscope	WAVERUNNER 6100A	LCRY0604P14508	LeCroy	Functi	on Test
ETSTW-RE 034	Power Sensor	URV5-Z4	839313/006	R&S	2010/10/4	2011/10/3
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2011/1/14	2012/1/13
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2011/4/13	2012/4/12
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2010/5/11	2011/5/10
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test	Use NCR
ETSTW-RE 047	PSA SERIES SPECTRUM ANALYZER	E4445A	MY46181369	Agilent	Pre-test	Use NCR
ETSTW-RE 048	Triple Loop Antenna	HXYZ 9170	HXYZ 9170-134	Schwarzbeck	2010/8/30	2011/8/29
ETSTW-RE 049	TRILOG Super Broadband test Antenna	VULB 9160	9160-3185	Schwarzbeck	2011/4/8	2012/4/7



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

2012/3/3
2012/3/3
2012/3/3
2011/6/2
2012/3/3
2011/9/26
2011/11/29
on Test
2012/4/7
2012/3/3
2011/10/6
2012/1/9
2012/1/9
2012/3/3
2011/5/30
2012/3/9
2012/3/10
2012/3/23
2011/12/16
2012/1/12
2011/10/6
2012/1/13
2012/1/13
2012/1/13
2012/1/13
2011/9/19
2011/9/26
2011/9/26
2012/3/7
Jse NCR
2012/3/7
on Test
2012/3/3
2012/3/9
,



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2010/9/13	2011/9/12
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2010/9/13	2011/9/12
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	SPECTRUM	2011/3/10	2012/3/9
ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104 (S_Cable 10)	238092	HUBER+SUHNER	2010/11/30	2011/11/29
ETSTW-Cable 039	Microwave Cable	SUCOFLEX 104 (S_Cable 19)	316739	HUBER+SUHNER	2011/3/4	2012/3/3
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2010/11/30	2011/11/29
ETSTW-Cable 047	Microwave Cable	SUCOFLEX 104	325518	HUBER+SUHNER	2010/11/30	2011/11/29
ETSTW-Cable 051	BNC Cable	BNC Cable 6	None	JYE BAO CO.,LTD.	2011/3/31	2012/3/30
ETSTW-Cable 052	BNC Cable	Clamp Cable	None	Schwarz beck	2011/3/31	2012/3/30
ETSTW-Cable 053	N TYPE To SMA Cable	OATS Cable 4	None	JYE BAO CO.,LTD.	2011/3/4	2012/3/3
ETSTW-Cable 054	BNC To SMA Cable	OATS Cable 5	None	JYE BAO CO.,LTD.	2011/3/4	2012/3/3
WTSTW-SW 001	EMI TEST SOFTWARE	Harmonics-1000	None	EMC PARTNER		ersion 4.16 Version 2.18
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad Version ET		ETS-03A1
WTSTW-SW 003	EMS TEST SOFTWARE	i2	None	AUDIX	Version 3.2007-8-17b	
WTSTW-SW 005	GSM Fading Level Correction	GSMFadLevCor	None	R&S	Version 1.66	

FCC ID: UZI-PR30

2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-2003 using a 50µH LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was according to ANSI STANDARD C63.4-2003 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of $dB\mu V$) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

Freq (MHz) METER READING + ACF + CABLE LOSS(to the receiver) = FS

 $20 \text{ dB}\mu\text{V} + 10.36 \text{ dB} + 6 \text{ dB} = 36.36 \text{ dB}\mu\text{V/m} \text{ @3m}$

The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.4-2003 Section 13.1.2. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
- (4) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a)(1)-(a)(3) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this Section, whichever is the higher frequency range of investigation.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

Measurements were made by Worldwide Testing Services(Taiwan) Co., Ltd. at the registered open field test site located at No.5-1, Lishui, Shuang Sing Village, Wanli Dist., New Taipei City 207, Taiwan (R.O.C.). The Registration Number: 930600.



FCC ID: UZI-PR30

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

The formula is as follows:

Average = Peak + Duty Factor

Duty Factor = 20 log (dwell time/T)

T = 100ms when the pulse train period is over 100 ms or the period of the pulse train.

Modified Limits for peak according to 15.35 (b) = Max Permitted average Limits + 20dB



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

3 Test results (enclosure)

TEST CASE	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(b)(3)	×	×	
Equivalent radiated Power	15.247(b)(3)	×	×	
Spurious Emissions radiated – Transmitter	15.247(c):	×	×	
operating	15.209			
Band Edge Measurement	15.247(c)	×	×	
Minimum 6 dB Bandwidth	15.247(a)(2)	×	×	
Peak Power Spectral Density	15.247(d)	×	×	
Radiated Emission from Digital Part	15.109			
Power Line Conducted Emission	15.207	×	×	

FCC ID: UZI-PR30

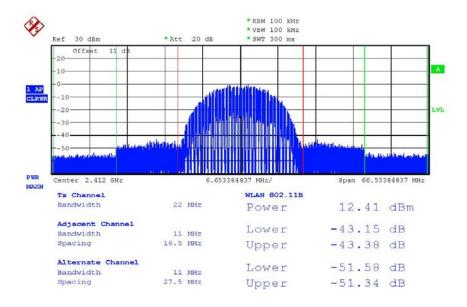
3.1 Peak Output Power (transmitter)

FCC Rule: 15.247(b)(3)

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

The power was measured with modulation (declared by the applicant). Peak output power

Mode A

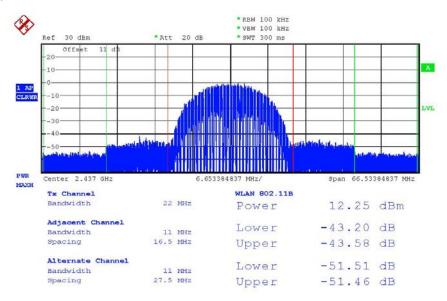


MAX OUTPUT POWER 802.11b CH1 Date: 13.APR.2011 16:38:52

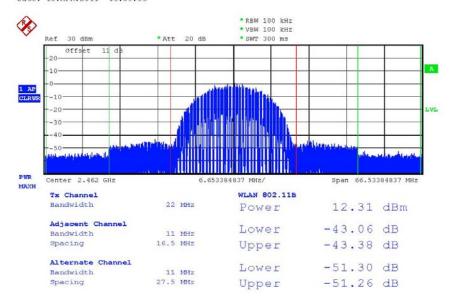


Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



MAX OUTPUT POWER 802.11b CH6 Date: 13.APR.2011 16:39:33



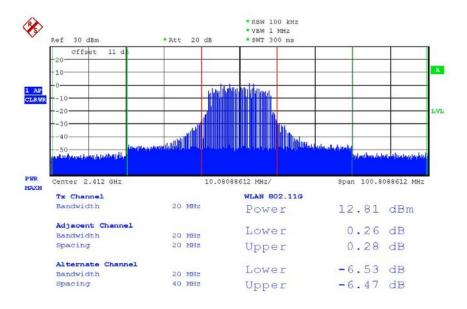
MAX OUTPUT POWER 802.11b CH11 Date: 13.APR.2011 16:40:09



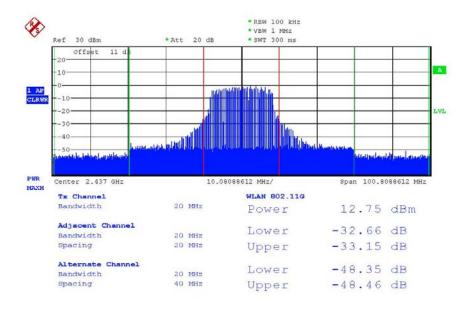
Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Mode B



MAX OUTPUT POWER 802.11g CH1 Date: 13.APR.2011 16:55:23

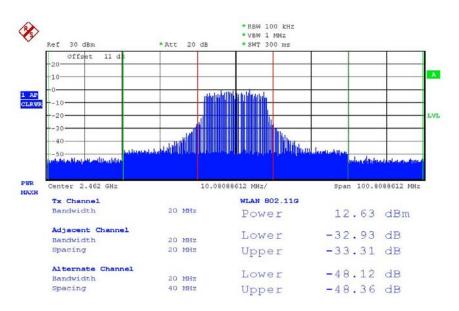


MAX OUTPUT POWER 802.11g CH6 Date: 13.APR.2011 16:55:55



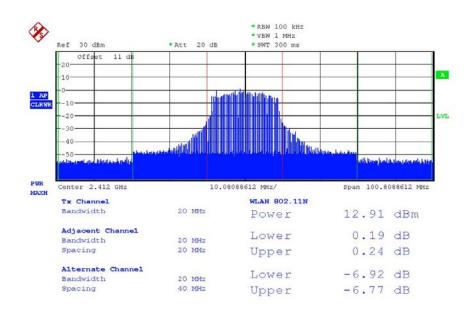
Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



MAX OUTPUT POWER 802.11g CH11 Date: 13.APR.2011 16:56:21

Mode C

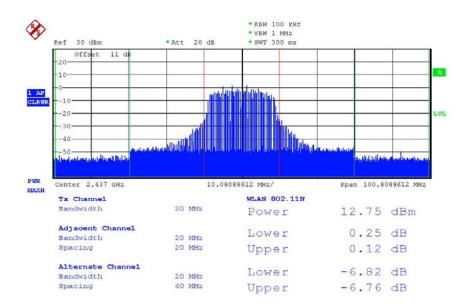


MAX OUTPUT POWER 802.11n CH1 Date: 13.APR.2011 16:58:35

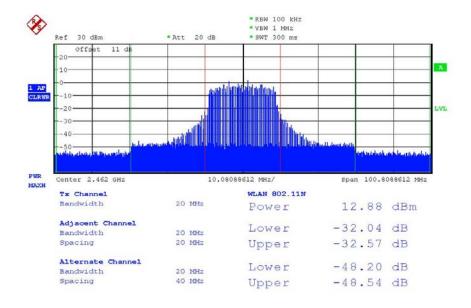


Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



MAX OUTPUT POWER 802.11n CH6 Date: 13.APR.2011 16:58:58



MAX OUTPUT POWER 802.11n CH11 Date: 13.APR.2011 17:00:46

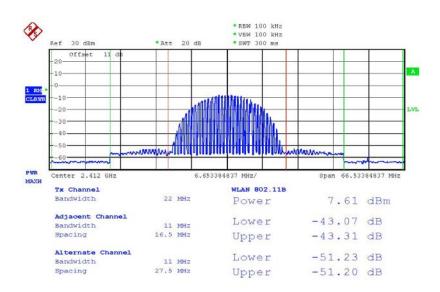


Registration number: W6M21103-11284-C-1

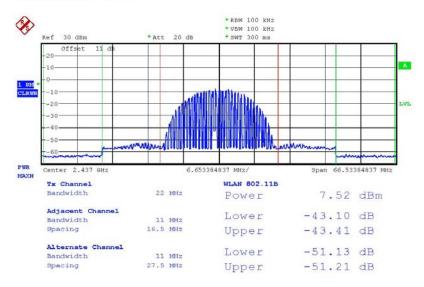
FCC ID: UZI-PR30

Average output power

Mode A



MAX OUTPUT POWER 802.11b CH1 Date: 14.APR.2011 06:17:20

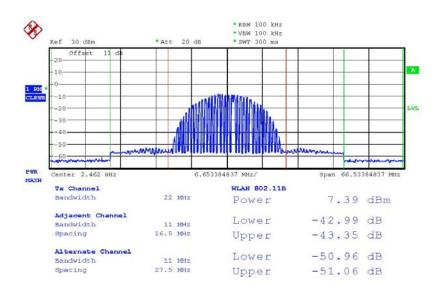


MAX OUTPUT POWER 802.11b CH6 Date: 14.APR.2011 06:16:54



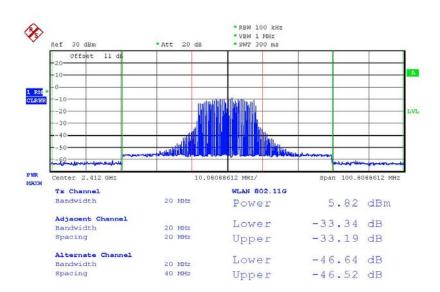
Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



MAX OUTPUT POWER 802.11b CH11 Date: 14.APR.2011 06:16:26

Mode B

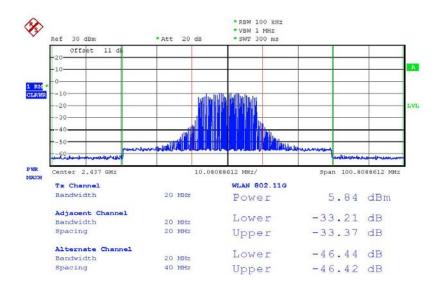


MAX OUTPUT POWER 802.11g CH1 Date: 14.APR.2011 06:17:57

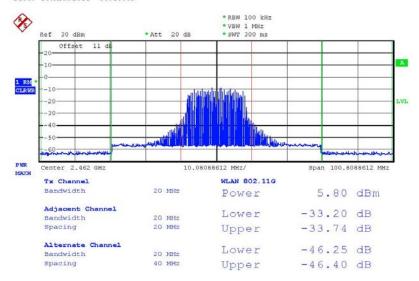


Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



MAX OUTPUT POWER 802.11g CH6 Date: 14.APR.2011 06:18:39



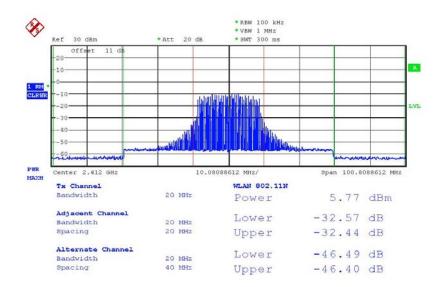
MAX OUTPUT POWER 802.11g CH11 Date: 14.APR.2011 06:19:05



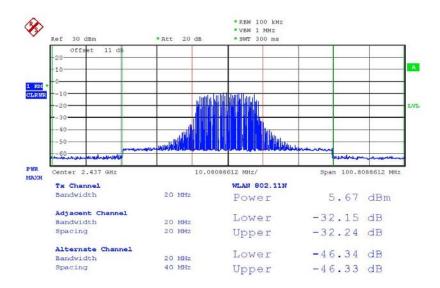
Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Mode C



MAX OUTPUT POWER 802.11n CH1 Date: 14.APR.2011 06:20:31

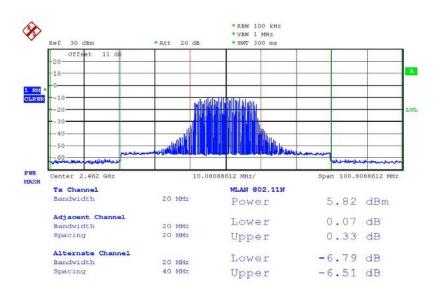


MAX OUTPUT POWER 802.11n CH6 Date: 14.APR.2011 06:20:07



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



MAX OUTPUT POWER 802.11n CH11 Date: 14.APR.2011 06:19:41

Test condition $T_{nom}=23^{\circ}C, \ V_{nom}=120 \ V$	Signal Field strength TX highest power mode dB μ V/m
Frequency [MHz]	

Limits:

Frequency	Power
MHz	dBm
902 - 928	30
2400 – 2483.5	30
5725 – 5850	30

In case of employing transmitter antennas having antenna gain > 6 dBi and using fixed point-to point operation consider \$15.247 (b)(4)

Test equipment used: ETSTW-RE 055

FCC ID: UZI-PR30

3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain

EIRP = 17.91 dBm + (-3.39) dBi

= 14.52 dBm

Limit: EIRP = +36 dBm for Antenna gain < 6dBi

Test equipment used: ETSTW-RE 055

3.3 RF Exposure Compliance Requirements

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a "worst case" or conservative prediction.

S – Power Density

P – Output power ERP

R – Distance

D – Cable Loss

AG – Antenna Gain

710 7 michia Gam			
Item	Unit	Value	Remarks
P	mW		Peak value
D	dB		
AG	dBi		
G			Calculated Value
R	cm		Assumed value
S	mW/cm ²		Calculated value

Limits:

Limit for General Population	n / Uncontrolled Exposure
Frequency (MHz)	Power Density (mW/cm ²)
1500 – 100.000	1.0

Note: Please refer to SAR test report of PR30.

FCC ID: UZI-PR30

3.4 Transmitter Radiated Emissions in Restricted Bands

FCC Rules: 15.247 (c), 15.205, 15.209, 15.35

Radiated emission measurements were performed from 30 MHz to 26500 MHz.

For radiated emission tests, the analyzer setting was as followings:

Frequency ≤ 1 GHz, RBW:100 kHz, VBW: 100 kHz (Peak measurements)
Frequency > 1 GHz, RBW: 1 MHz, VBW: 1 MHz (Peak measurements)
Frequency > 1 GHz, RBW:1 MHz, VBW: 10 Hz (Average measurements)

Limits.

For frequencies below 1GHz:

Frequency of Emission	Field strength	Field Strength
(MHz)	(microvolts/meter)	(dB microvolts/meter)
30 - 88	100	40.0
88 - 216	150	43.5
216 - 960	200	46.0
Above	500	54.0

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of Digit Transmission Systems:

"If the emission is pulsed, modify the unit for continuous operation, use the setting shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation."

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty cycle correction = 20 log (dwell time/ 100ms)

Note: No duty cycle correction was added to the reading of this EUT.

Explanation: see attached diagrams in Appendix.

FCC ID: UZI-PR30

3.5 **Spurious Emissions (tx)**

Spurious emission was measured with modulation (declared by manufacturer).

In any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c))

FCC Rule: 15.247(c), 15.35

For out of band emissions that are close to or that exceed the 20 dB attenuation requirement described in the specification, radiated measurements were performed at a 3 m separation distance to determine whether these emissions complied with the general radiated emission requirement.

Limits:

For frequencies above 1GHz (Peak measurements). Modified Limit for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

For frequencies above 1GHz (Average measurements).

Max. reading – 20dB

Max. reading - 20 dB

Guidance on Measurement of Digit Transmission Systems:

"If the emission is pulsed, modify the unit for continuous operation, use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation."

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty Cycle correction = 20 log (dwell time/100ms)

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 028,

ETSTW-RE 029, ETSTW-RE 030, ETSTW-RE 044

Note: No duty cycle correction was added to the reading of EUT.

FCC ID: UZI-PR30

SAMPLE CALCULATION OF LIMIT. All results will be updated by an automatic measuring system in accordance with point 2.3.

Calculation of test results:

Such factors like antenna correction, cable loss, external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

The peak and average spurious emission plots was measured with the average limits.

In the Table being listed the critical peak and average value and exhibit the compliance with the above calculated Limits.

If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Correction Factor".

Summary table with radiated data of the test plots

Model no. PR30 Date: 2011/3/8

Mode: TX 802.11b_ CH1 Temperature: 18.1° C Engineer: Danny

Polarization: Horizontal Humidity: 54%

-									
	Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	170.1402	19.80	peak	15.53	35.33	43.50	-8.17	110	150
	960.7214	20.19	peak	27.75	47.94	54.00	-6.06	125	150

Frequency	Readii (dBu\		Factor (dB)	(dBuV/m)		Limit @3m (dBuV/m)		Margin	Table Degree	Ant. High
(MHz)	Peak	Åve.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4824.0000	45.52		-4.15	41.37		74.00	54.00	-32.63	140	150
7236.0000	46.14		-1.41	44.73		74.00	54.00	-29.27	150	150
9648.0000	22.99		19.39	42.38		74.00	54.00	-31.62	150	150
12060.0000	23.18		21.97	45.15		74.00	54.00	-28.85	155	150

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
170.1402	17.39	peak	15.53	32.92	43.50	-10.58	120	150
960.7214	13.06	peak	27.75	40.81	54.00	-13.19	130	150

Frequency	Reading (dBuV)				Limit @3m (dBuV/m)		Margin	Table Degree	Ant. High	
(MHz)	Peak	Åve.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4824.0000	44.23		-4.15	40.08		74.00	54.00	-33.92	140	150
7236.0000	45.24		-1.41	43.83		74.00	54.00	-30.17	130	150
9648.0000	23.03		19.39	42.42		74.00	54.00	-31.58	150	150
12060.0000	22.87		21.97	44.84		74.00	54.00	-29.16	140	150



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Mode: 802.11b_ CH6

Polarization: Horizontal

	Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
I	171.2225	17.67	peak	15.43	33.10	43.50	-10.40	110	150
	960.7214	20.81	peak	27.75	48.56	54.00	-5.44	130	150

Frequency	Reading Factor Result @3m Limit @3m (dBuV) (dB) (dBuV/m) (dBuV/m)			Margin	Table Degree	Ant. High				
(MHz)	Peak	Áve.	Corr.	Peak	Äve.	Peak	Ave.	(dB)	(Deg.)	(cm)
4874.0000	45.41		-4.00	41.41		74.00	54.00	-32.59	145	150
7311.0000	45.58		-1.88	43.70		74.00	54.00	-30.30	150	150
9748.0000	25.13		19.37	44.50		74.00	74.00	-29.50	150	150
12185.0000	23.46		22.28	45.74		74.00	54.00	-28.26	140	150

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
120.3608	19.06	peak	14.04	33.10	43.50	-10.40	110	150
960.7214	13.86	peak	27.75	41.61	54.00	-12.39	125	150

Frequency	Readii (dBu\	0	Factor (dB)		t @3m V/m)		@3m V/m)	Margin	Table Degree	Ant. High
(MHz)	Peak	Äve.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4874.0000	44.87		-4.00	40.87		74.00	54.00	-33.13	150	150
7311.0000	46.18		-1.88	44.30		74.00	54.00	-29.70	135	150
9648.0000	22.82		19.39	42.21		74.00	54.00	-31.79	160	150
12060.0000	22.65		21.97	44.62		74.00	54.00	-29.38	150	150

Mode: 802.11b_ CH11

Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
170.6814	18.67	peak	15.48	34.15	43.50	-9.35	115	150
960.7214	19.00	peak	27.75	46.75	54.00	-7.25	140	150

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	Frequency	Reading (dBuV)		Factor (dB)	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin	Table Degree	Ant. High
	(MHz)	Peak	Äve.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
	4924.0000	45.71		-3.91	41.80		74.00	54.00	-32.20	150	150
	7386.0000	47.10		-2.09	45.01	-	74.00	54.00	-28.99	135	150
	9848.0000	23.72		19.63	43.35		74.00	54.00	-30.65	140	150
	12310.0000	24.38		22.25	46.63		74.00	54.00	-27.37	160	150



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Polarization: Vertical

	equency [MHz]	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
17	1.2225	17.73	peak	15.43	33.16	43.50	-10.34	115	150
96	0.7214	13.31	peak	27.75	41.06	54.00	-12.94	115	150

Frequency	(dBuV)		Factor (dB)		t @3m ıV/m)		@3m V/m)	Margin	Table Degree	Ant. High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4924.0000	45.52		-3.91	41.61		74.00	54.00	-32.39	160	150
7386.0000	45.96		-2.09	43.87		74.00	54.00	-30.13	165	150
9648.0000	23.22		19.39	42.61		74.00	74.00	-31.39	135	150
12060.0000	22.79		21.97	44.76		74.00	54.00	-29.24	130	150

Mode: 802.11g_ CH1

Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
171.2225	18.85	peak	15.43	34.28	43.50	-9.22	110	150
960.7214	20.45	peak	27.75	48.20	54.00	-5.80	120	150

Frequency	Reading (dBuV)		Factor (dB)		t @3m V/m)		@3m V/m)	Margin	Table Degree	Ant. High
(MHz)	Peak	Áve.	Corr.	Peak	Äve.	Peak	Äve.	(dB)	(Deg.)	(cm)
4824.0000	46.03		-4.15	41.88		74.00	54.00	-32.12	150	150
7236.0000	46.38		-1.41	44.97		74.00	74.00	-29.03	135	150
9648.0000	22.64		19.39	42.03		74.00	74.00	-31.97	140	150
12060.0000	23.21		21.97	45.18		74.00	54.00	-28.82	135	150

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
170.6814	17.87	peak	15.48	33.35	43.50	-10.15	120	150
960.7214	12.85	peak	27.75	40.60	54.00	-13.40	120	150

Frequency		Reading Fac (dBuV) (d		r Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin	Table Degree	Ant. High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4824.0000	45.55		-4.15	41.40		74.00	54.00	-32.60	140	150
7236.0000	45.23		-1.41	43.82		74.00	54.00	-30.18	160	150
9648.0000	23.22		19.39	42.61		74.00	54.00	-31.39	135	150
12060.0000	22.79		21.97	44.76		74.00	54.00	-29.24	130	150



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Mode: 802.11g_ CH6

Polarization: Horizontal

	Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
ſ	171.7636	18.20	peak	15.39	33.59	43.50	-9.91	120	150
	960.7214	19.35	peak	27.75	47.10	54.00	-6.90	125	150

Frequency		3		@3m V/m)	Margin	Table Degree	Ant. High			
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4874.0000	45.68		-4.00	41.68		74.00	54.00	-32.32	140	150
7311.0000	46.54		-1.88	44.66		74.00	54.00	-29.34	160	150
9748.0000	24.75		19.37	44.12		74.00	54.00	-29.88	130	150
12185.0000	23.16		22.28	45.44		74.00	54.00	-28.56	140	150

Polarization: Vertical

	Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
Г	170.6814	17.78	peak	15.48	33.26	43.50	-10.24	125	150
Г	960.7214	12.77	peak	27.75	40.52	54.00	-13.48	130	150

Frequency	Reading (dBuV)		Factor (dB)		t @3m ıV/m)		@3m V/m)	Margin	Table Degree	Ant. High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4874.0000	44.17		-4.00	40.17		74.00	54.00	-33.83	135	150
7311.0000	46.39		-1.88	44.51	-	74.00	54.00	-29.49	145	150
9648.0000	23.03		19.39	42.42		74.00	54.00	-31.58	150	150
12060.0000	22.87		21.97	44.84		74.00	54.00	-29.16	140	150

Mode: 802.11g_ CH11

Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
170.6814	19.62	peak	15.48	35.10	43.50	-8.40	105	150
960.7214	20.64	peak	27.75	48.39	54.00	-5.61	120	150

Frequency	Reading (dBuV)		Factor (dB)			Limit @3m (dBuV/m)		Margin	Table Degree	Ant. High
(MHz)	Peak	Áve.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4924.0000	44.66		-3.91	40.75		74.00	54.00	-33.25	140	150
7386.0000	46.31		-2.09	44.22		74.00	54.00	-29.78	145	150
9848.0000	22.01		19.63	41.64	-	74.00	54.00	-32.36	145	150
12310.0000	23.71		22.25	45.96		74.00	54.00	-28.04	150	150



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
170.6814	16.94	peak	15.48	32.42	43.50	-11.08	125	150
960.7214	12.32	peak	27.75	40.07	54.00	-13.93	120	150

Frequency	Reading (dBuV)		Factor (dB)	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin	Table Degree	Ant. High
(MHz)	Peak /	Ave.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4924.0000	44.62		-3.91	40.71		74.00	54.00	-33.29	150	150
7386.0000	45.99		-2.09	43.90		74.00	54.00	-30.10	155	150
9648.0000	22.82		19.39	42.21		74.00	54.00	-31.79	160	150
12060.0000	22.65		21.97	44.62		74.00	54.00	-29.38	150	150

Mode: 802.11n_ CH1

Polarization: Horizontal

	Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
ſ	172.3047	17.70	peak	15.34	33.04	43.50	-10.46	100	150
ſ	960.7214	20.31	peak	27.75	48.06	54.00	-5.94	130	150

Frequency	Reading (dBuV)		Factor (dB)		t @3m ıV/m)		@3m V/m)	Margin	Table Degree	Ant. High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4824.0000	45.61		-4.15	41.46		74.00	54.00	-32.54	145	150
7236.0000	47.66		-1.41	46.25		74.00	54.00	-27.75	140	150
9648.0000	22.83		19.39	42.22		74.00	54.00	-31.78	140	150
12060.0000	23.36		21.97	45.33		74.00	54.00	-28.67	150	150

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
170.6814	17.39	peak	15.48	32.87	43.50	-10.63	110	150
960.7214	12.53	peak	27.75	40.28	54.00	-13.72	130	150

Frequency	Reading (dBuV)		Factor (dB)		t @3m ıV/m)		@3m V/m)	Margin	Table Degree	Ant. High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4824.0000	45.10		-4.15	40.95		74.00	54.00	-33.05	140	150
7236.0000	45.76		-1.41	44.35		74.00	54.00	-29.65	150	150
9648.0000	22.82		19.39	42.21		74.00	54.00	-31.79	160	150
12060.0000	22.65		21.97	44.62		74.00	54.00	-29.38	150	150



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Mode: 802.11n_ CH6

Polarization: Horizontal

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	Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	166.3528	18.95	peak	15.73	34.68	43.50	-8.82	105	150
	960.7214	20.17	peak	27.75	47.92	54.00	-6.08	135	150

Frequency	Reading (dBuV)		Factor (dB)		t @3m ıV/m)		@3m V/m)	Margin	Table Degree	Ant. High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4874.0000	45.20		-4.00	41.20		74.00	54.00	-32.80	155	150
7311.0000	47.01		-1.88	45.13		74.00	54.00	-28.87	145	150
9748.0000	23.62		19.37	42.99		74.00	54.00	-31.01	150	150
12185.0000	23.31		22.28	45.59		74.00	54.00	-28.41	140	150

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
170.1402	18.22	peak	15.53	33.75	43.50	-9.75	115	150
960.7214	12.72	peak	27.75	40.47	54.00	-13.53	135	150

Frequency	Reading (dBuV)		Factor (dB)		t @3m V/m)		@3m V/m)	Margin	Table Degree	Ant. High
(MHz)	Peak	Áve.	Corr.	Peak	Äve.	Peak	Ave.	(dB)	(Deg.)	(cm)
4874.0000	44.65		-4.00	40.65		74.00	54.00	-33.35	150	150
7311.0000	46.78		-1.88	44.90		74.00	54.00	-29.10	140	150
9648.0000	23.22		19.39	42.61		74.00	54.00	-31.39	135	150
12060.0000	22.79		21.97	44.76		74.00	54.00	-29.24	130	150

Mode: 802.11n_ CH11

Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
119.8197	20.10	peak	14.00	34.10	43.50	-9.40	110	150
960.7214	19.02	peak	27.75	46.77	54.00	-7.23	130	150

Frequency	Reading (dBuV)		Factor (dB)		t @3m V/m)	Limit @3m (dBuV/m)		Margin	Table Degree	Ant. High
(MHz)	Peak	Äve.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4924.0000	44.62		-3.91	40.71		74.00	54.00	-33.29	135	150
7386.0000	45.47		-2.09	43.38		74.00	54.00	-30.62	145	150
9848.0000	22.97		19.63	42.60		74.00	54.00	-31.40	155	150
12310.0000	22.93		22.25	45.18		74.00	54.00	-28.82	140	150



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	• I I I I I I I I I I I I I I I I I I I		Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
171.2225	18.78	peak	15.43	34.21	43.50	-9.29	110	150
960.7214	13.05	peak	27.75	40.80	54.00	-13.20	125	150

Frequency	Reading (dBuV)		Factor (dB)		t @3m V/m)	Limit @3m (dBuV/m)		Margin	Table Degree	Ant. High
(MHz)	Peak	Ave.	Corr.	Peak	Ave.	Peak	Ave.	(dB)	(Deg.)	(cm)
4924.0000	44.79		-3.91	40.88		74.00	54.00	-33.12	150	150
7386.0000	46.40		-2.09	44.31		74.00	54.00	-29.69	155	150
9648.0000	23.03		19.39	42.42		74.00	54.00	-31.58	150	150
12060.0000	22.87		21.97	44.84		74.00	54.00	-29.16	140	150

Note

- 1. Correction Factor = Antenna factor + Cable loss Preamplifier
- 2. The formula of measured value as: Test Result = Reading + Correction Factor
- 3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average
- 4. All not in the table noted test results are more than 20 dB below the relevant limits.
- 5. Up Line: QP Limit Line, Down Line: Ave Limit Line.
- 6. See attached diagrams on appendix.

TEST RESULT (**Transmitter**): The unit DOES meet the FCC requirements.

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 028,

ETSTW-RE 029, ETSTW-RE 030, ETSTW-RE 044

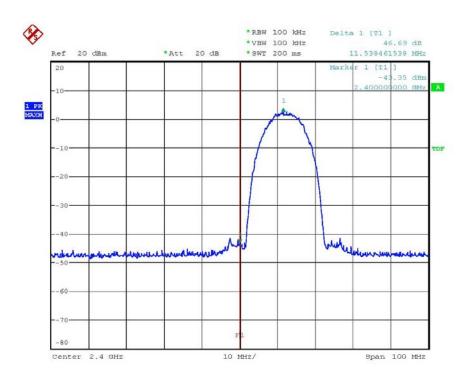
FCC ID: UZI-PR30

3.6 Radiated Emission on the band edge

According to FCC rules part 15 subpart C §15.247(c) in any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required.

In addition radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also with the radiated emission limits.

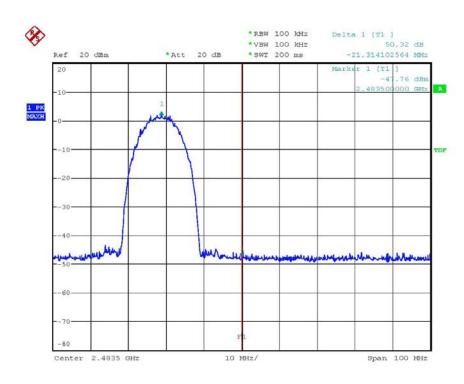
Mode A



BAND EDGE 802.11b CH1 Date: 6.MAR.2011 13:08:30

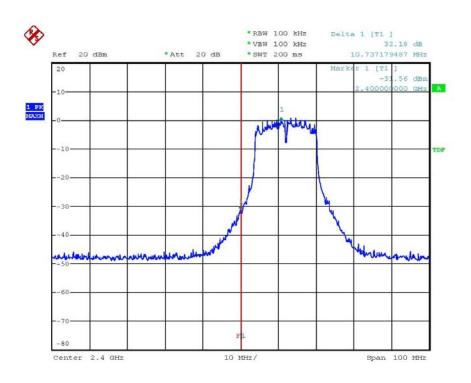
Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



BAND EDGE 802.11b CH11 Date: 6.MAR.2011 13:10:31

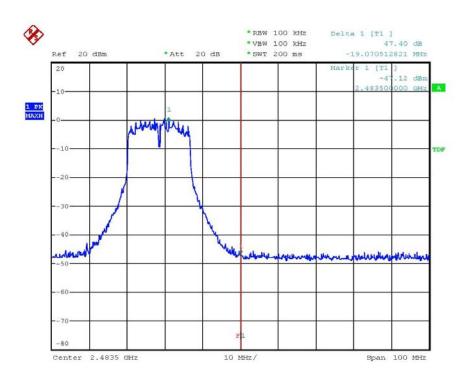
Mode B



BAND EDGE 802.11g CH1
Date: 6.MAR.2011 13:08:56

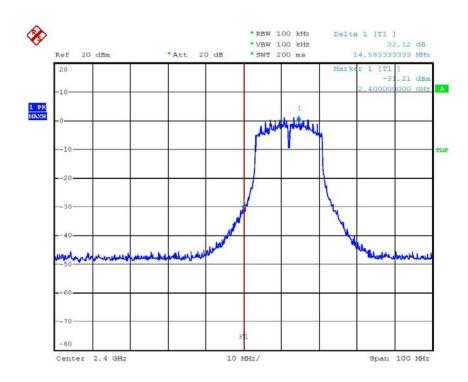
Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



BAND EDGE 802.11g CH11 Date: 6.MAR.2011 13:10:11

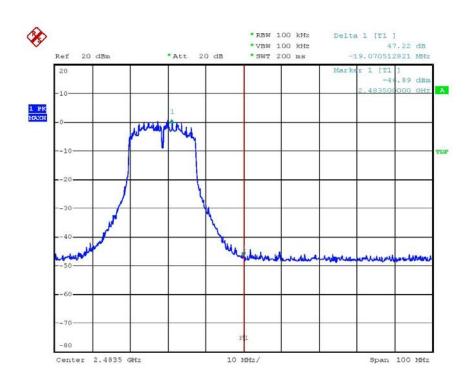
Mode C



BAND EDGE 802.11n CH1
Date: 6.MAR.2011 13:09:17

Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



BAND EDGE 802.11n CH11 Date: 6.MAR.2011 13:09:51

Limit:

Frequency Range / MHz	Limit		
902 –928			
2400 – 2483.5	- 20 dB		
5725 - 5850			

Test equipment used: ETSTW-RE 055

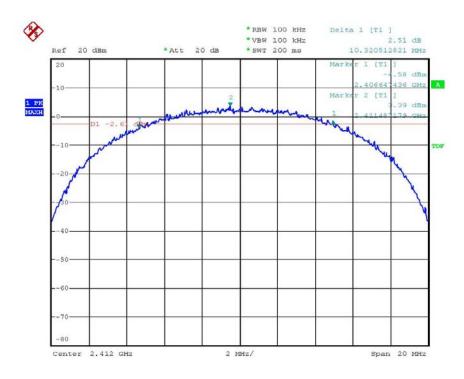
Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

3.7 Minimum 6 dB Bandwidth

The analyzer ResBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK reading was taken, two markers were set 6 dB below the maximum level on the right and the left side of the emission. The 6 dB bandwidth is the frequency difference between the two markers.

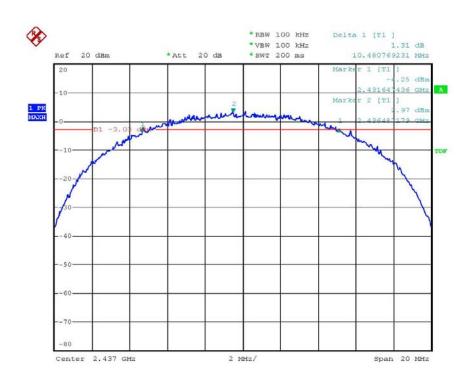
Mode A



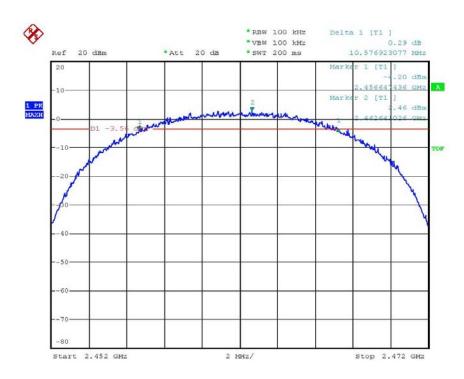
6DB BANDWIDTH 802.11b CH1 Date: 6.MAR.2011 13:07:28

Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



6DB BANDWIDTH 802.11b CH6 Date: 6.MAR.2011 13:06:33



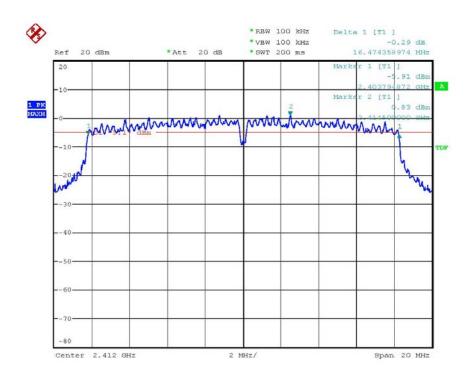
6DB BANDWIDTH 802.11b CH11 Date: 6.MAR.2011 13:05:09



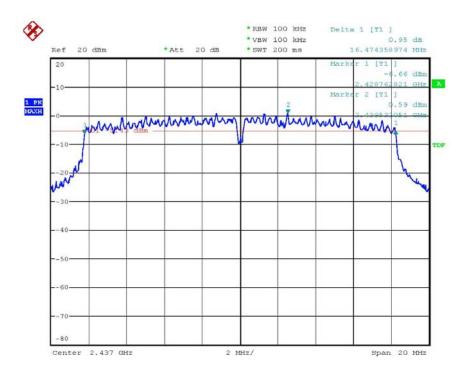
Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Mode B



6DB BANDWIDTH 802.11g CH1 Date: 6.MAR.2011 13:01:43

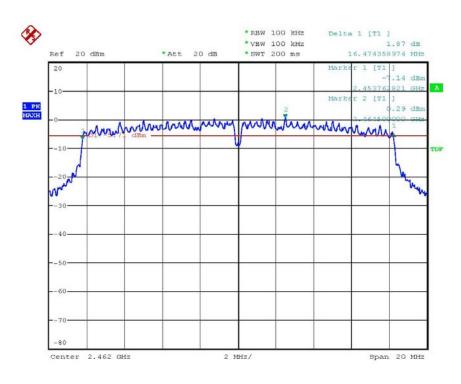


6DB BANDWIDTH 802.11g CH6 Date: 6.MAR.2011 13:02:33



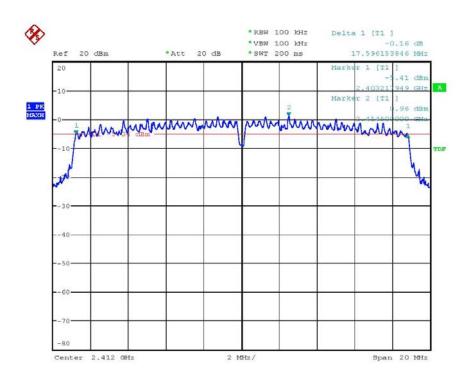
Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



6DB BANDWIDTH 802.11g CH11 Date: 6.MAR.2011 13:03:33

Mode C

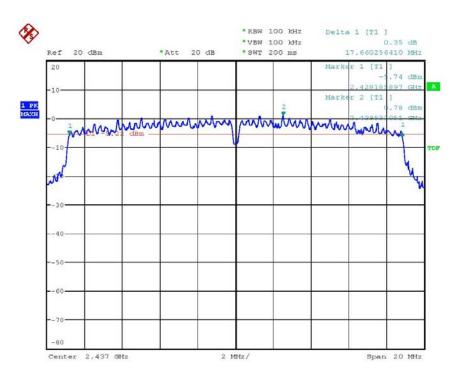


6DB BANDWIDTH 802.11n CH1 Date: 6.MAR.2011 13:00:56

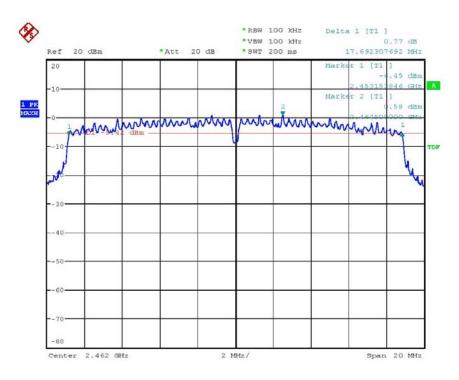


Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



6DB BANDWIDTH 802.11n CH6 Date: 6.MAR.2011 13:00:02



6DB BANDWIDTH 802.11n CH11 Date: 6.MAR.2011 12:58:41



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Limits:

Frequency Range MHz	Limits		
902-928	min 500 kHz		
2400-2483.5	min 500 kHz		
5725-5850	min 500 kHz		

Test equipment used: ETSTW-RE 055

Registration number: W6M21103-11284-C-1

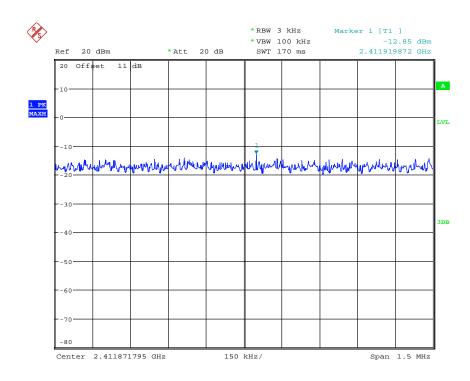
FCC ID: UZI-PR30

3.8 Peak Power Spectral Density

Peak Power Spectral density is a measured at low, middle and high channel.

The peak output power is measured with a measurement bandwidth of 10 MHz and displayed on diagram together with Peak Power Spectral Density result which was measured with a bandwidth of 3 kHz, appreciate frequency span and sweep time.

Mode A

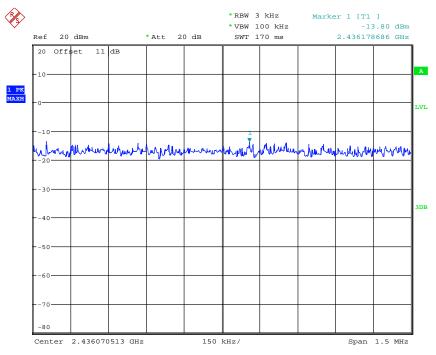


POWER DENSITY 802.11b CH1
Date: 6.MAR.2011 06:55:00

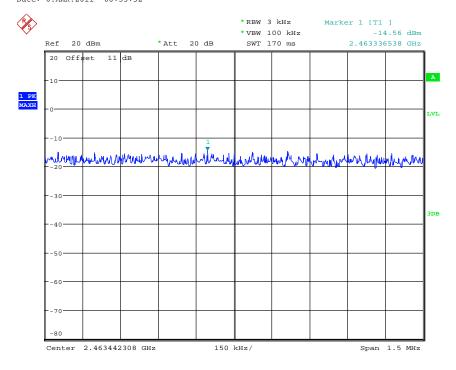


Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



POWER DENSITY 802.11b CH6
Date: 6.MAR.2011 06:55:52



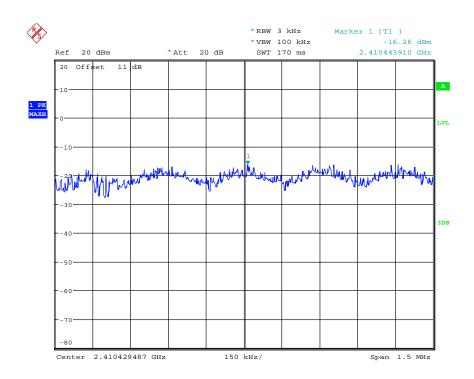
POWER DENSITY 802.11b CH11 Date: 6.MAR.2011 06:59:43



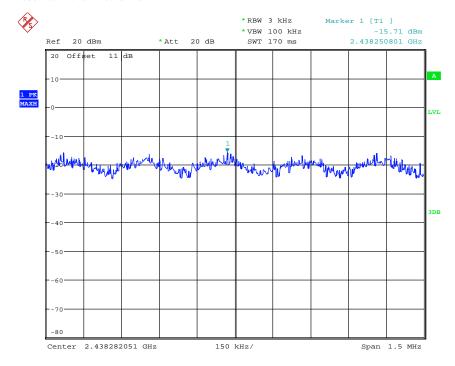
Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Mode B



POWER DENSITY 802.11g CH1
Date: 6.MAR.2011 06:54:19

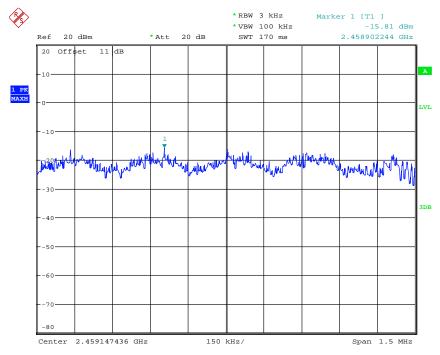


POWER DENSITY 802.11g CH6
Date: 6.MAR.2011 06:56:34



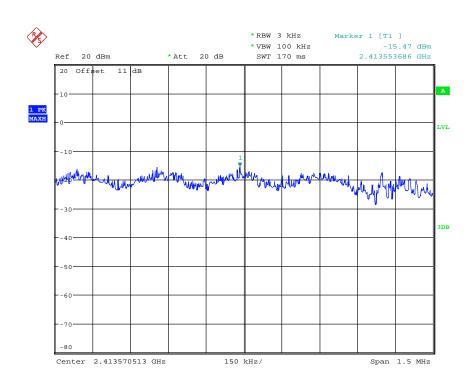
Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



POWER DENSITY 802.11g CH11 Date: 6.MAR.2011 06:59:00

Mode C

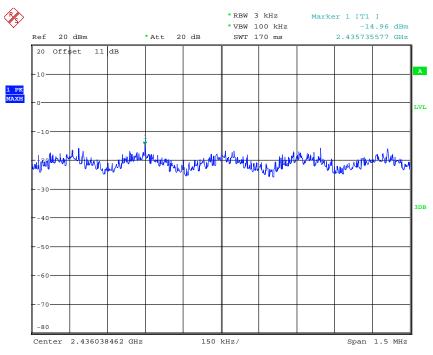


POWER DENSITY 802.11n CH1
Date: 6.MAR.2011 06:53:22

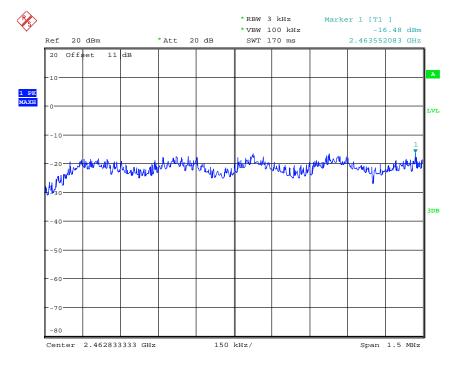


Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



POWER DENSITY 802.11n CH6
Date: 6.MAR.2011 06:57:21



POWER DENSITY 802.11n CH11 Date: 6.MAR.2011 06:58:10



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Limits:

Frequency Range MHz	dBm		
902-928	8		
2400-2483.5	8		
5725-5850	8		

Test equipment used: ETSTW-RE 055

Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

3.9 Radiated Emission from Digital Part

Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of Emission	Field Strength	Field Strength	
(MHz)	(microvolts/meter)	(dBmicrovolts/meter)	
30 – 88	100	40.0	
88 – 216	150	43.5	
216 – 960	200	46.0	
Above 960	500	54.0	

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 028, ETSTW-RE 029, ETSTW-RE 030, ETSTW-RE 044

Explanation: Please refer to separated test report no.: W6M21103-11284-P-15B.



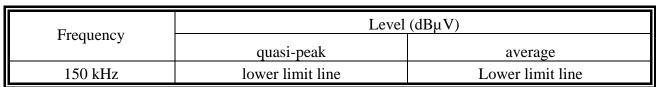
Registration number: W6M21103-11284-C-1

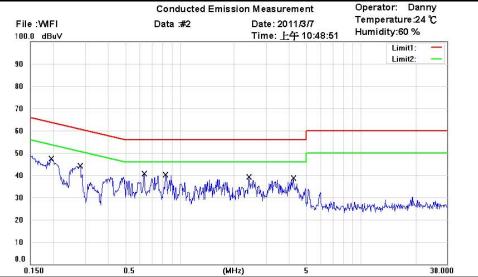
FCC ID: UZI-PR30

3.9 Power Line Conducted Emission

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.





Site: Chamber_01

Condition: FCC Part 15 Class B Conduction (QP)

Phase:

EUT: W6M21103-11284

Power: 120

N

M/N: PR30 Test Mode: WIFI

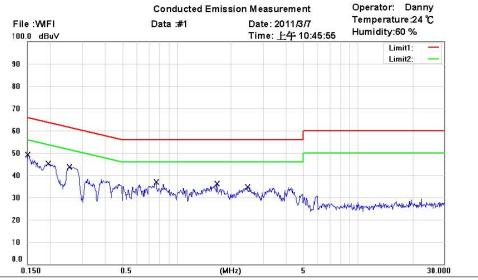
Note:

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.1947	31.89	QP	9.95	41.84	63.83	-21.99	
	0.1947	17.72	AVG	9.95	27.67	53.83	-26.16	
	0.2807	26.80	QP	9.92	36.72	60.80	-24.08	
	0.2807	9.02	AVG	9.92	18.94	50.80	-31.86	
	0.6350	19.62	QP	9.91	29.53	56.00	-26.47	
	0.6350	5.52	AVG	9.91	15.43	46.00	-30.57	
	0.8350	20.40	QP	9.93	30.33	56.00	-25.67	
	0.8350	5.91	AVG	9.93	15.84	46.00	-30.16	
	2.4100	16.61	QP	10.00	26.61	56.00	-29.39	
	2.4100	6.72	AVG	10.00	16.72	46.00	-29.28	
	4.2350	17.20	QP	10.09	27.29	56.00	-28.71	
	4.2350	8.67	AVG	10.09	18.76	46.00	-27.24	



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



Phase:

Power : 120

Site: Chamber_01

Condition: FCC Part 15 Class B Conduction (QP)

EUT: W6M21103-11284

M/N: PR30 Test Mode: WIFI

Note:

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1504	25.64	QP	9.99	35.63	65.98	-30.35	
	0.1504	5.73	AVG	9.99	15.72	55.98	-40.26	
	0.1947	32.65	QP	9.96	42.61	63.83	-21.22	
	0.1947	14.51	AVG	9.96	24.47	53.83	-29.36	
*	0.2553	30.73	QP	9.94	40.67	61.58	-20.91	
	0.2553	12.77	AVG	9.94	22.71	51.58	-28.87	
	0.7650	18.92	QP	9.94	28.86	56.00	-27.14	
	0.7650	0.04	AVG	9.94	9.98	46.00	-36.02	
	1.6550	18.59	QP	9.99	28.58	56.00	-27.42	
	1.6550	1.79	AVG	9.99	11.78	46.00	-34.22	
	2.4500	18.26	QP	10.03	28.29	56.00	-27.71	
	2.4500	3.54	AVG	10.03	13.57	46.00	-32.43	

Note: 1. The formula of measured value as: Test Result = Reading + Correction Factor

- 2. The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss
- 3. Detector function in the form: PK = Peak, QP = Quasi Peak, AV = Average
- 4. All not in the table noted test results are more than 20 dB below the relevant limits.
- 5. Up Line: QP Limit Line, Down Line: Ave Limit Line.

Limits:

Frequency of Emission (MHz)	Conducted Limit (dBuV)		
	Quasi Peak	Average	
0.15-0.5	66 to 56	56 to 46	
0.5-5	56	46	
5-30	60	50	

Test equipment used: ETSTW-CE 001, ETSTW-CE 016, ETSTW-CE 006

Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Appendix

Measurement diagrams

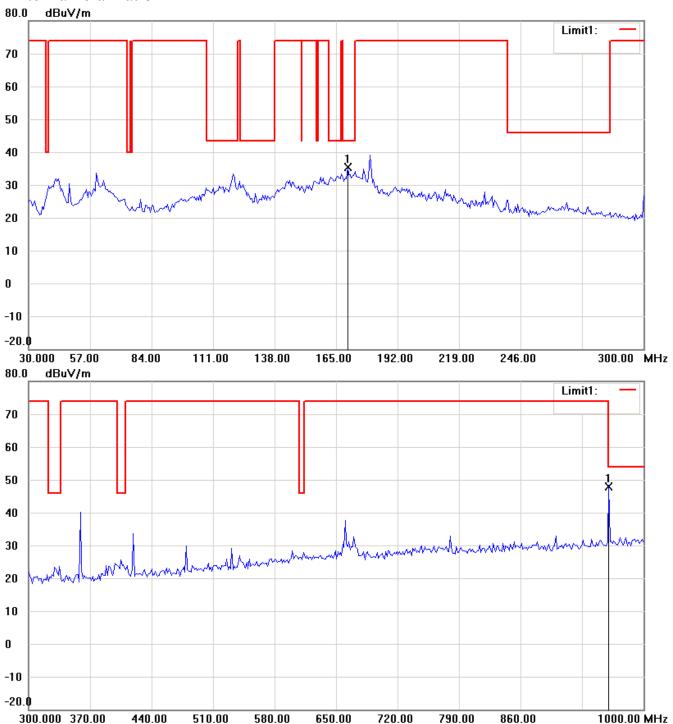
Spurious Emissions radiated



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

TX 802.11b mode_CH1 Antenna Polarization H

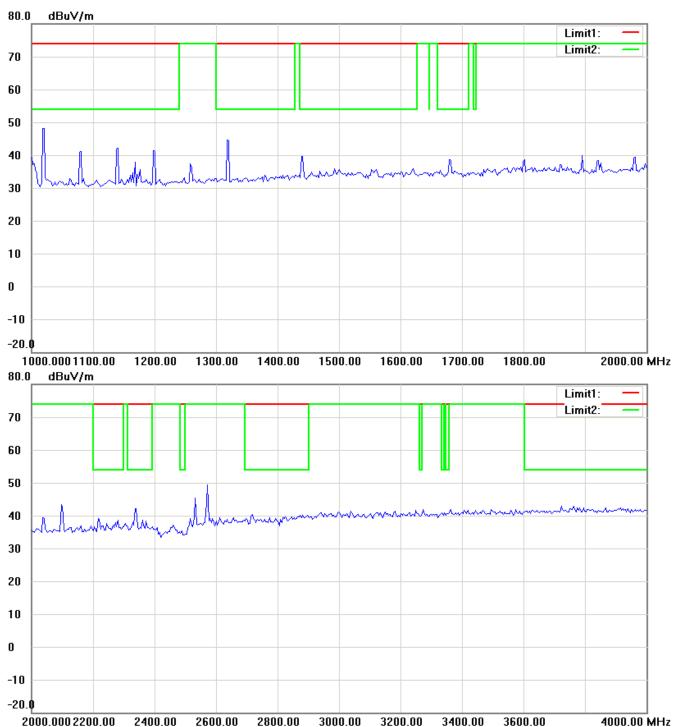


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

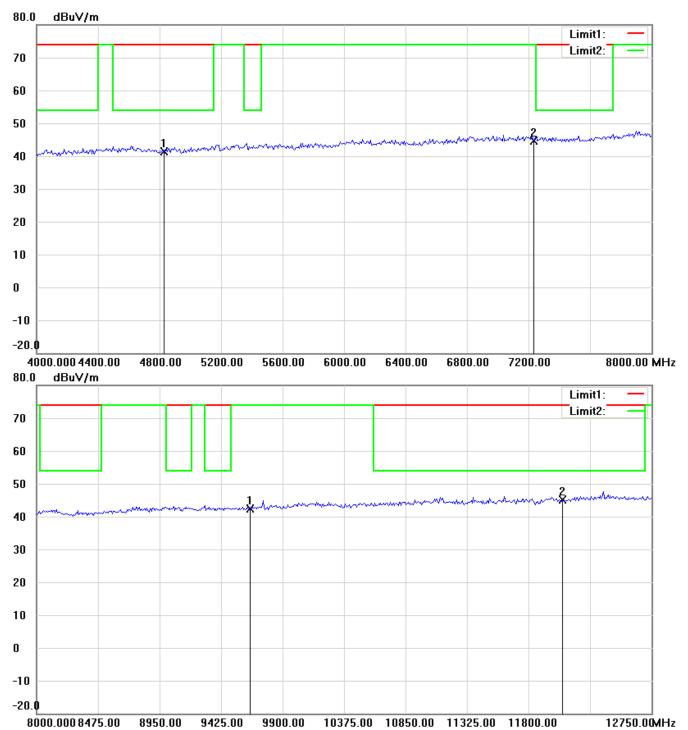


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

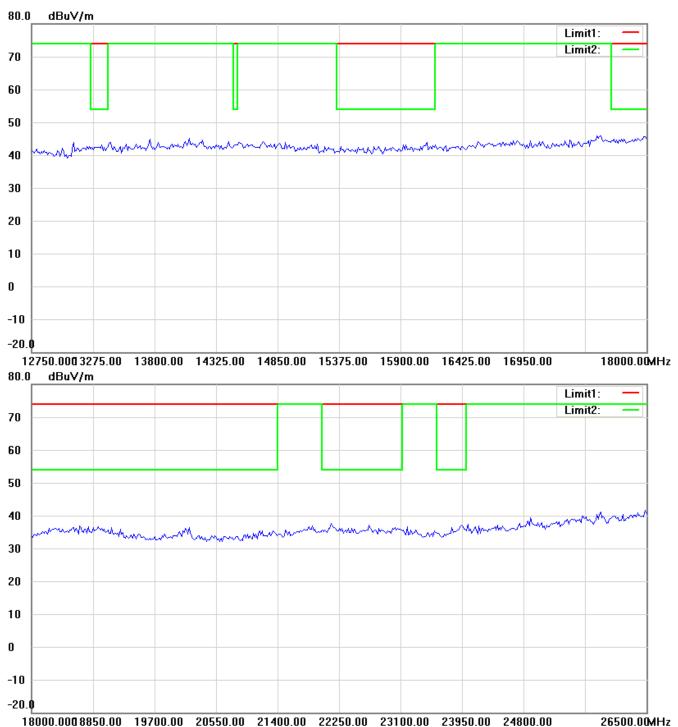


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



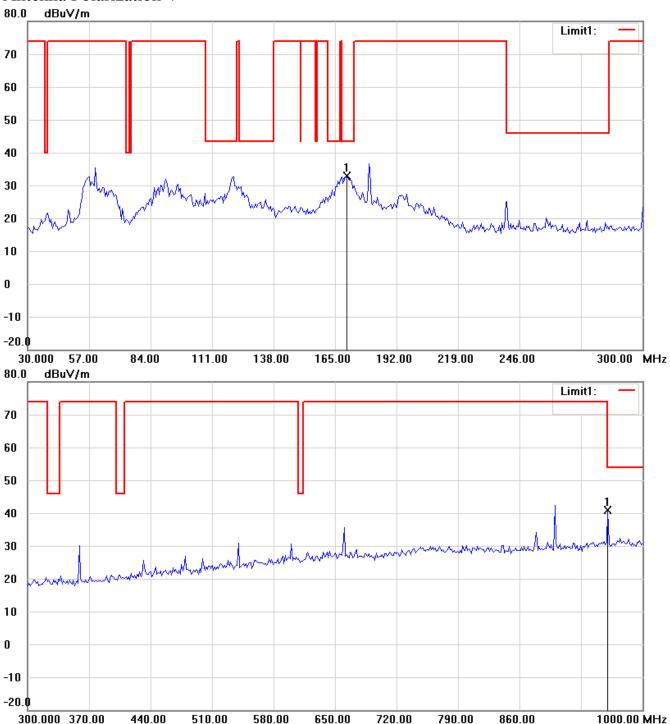
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Antenna Polarization V

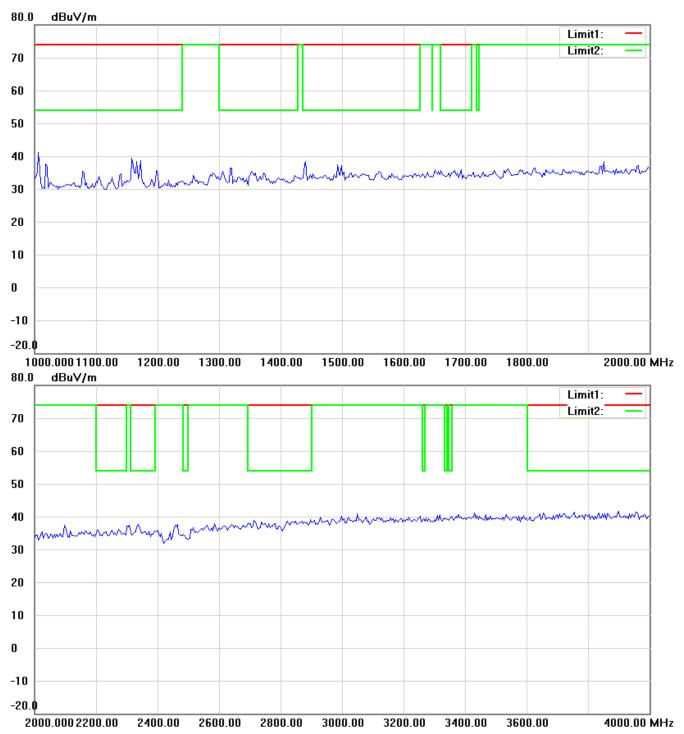


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

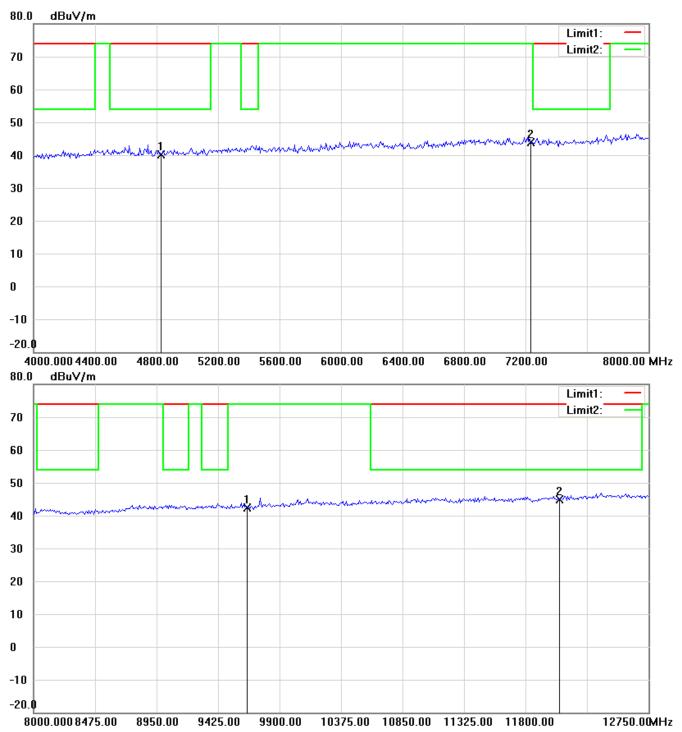


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

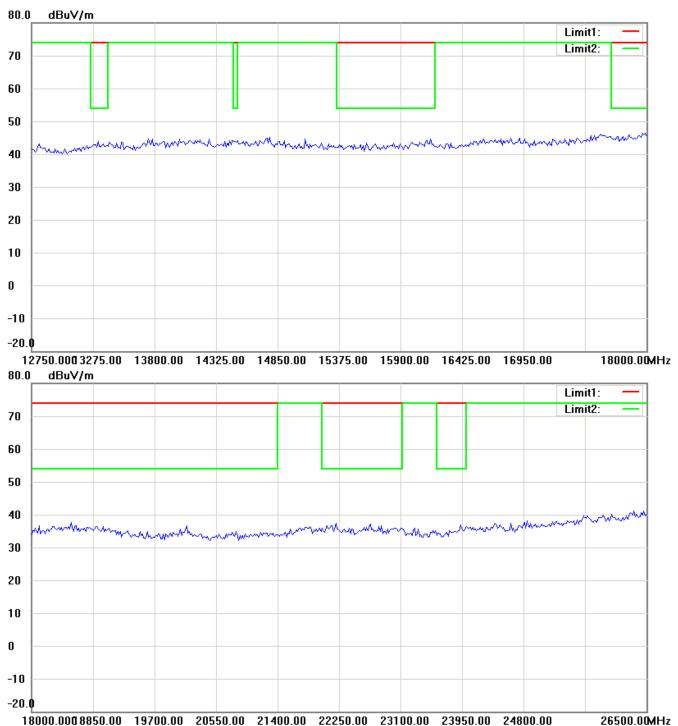


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



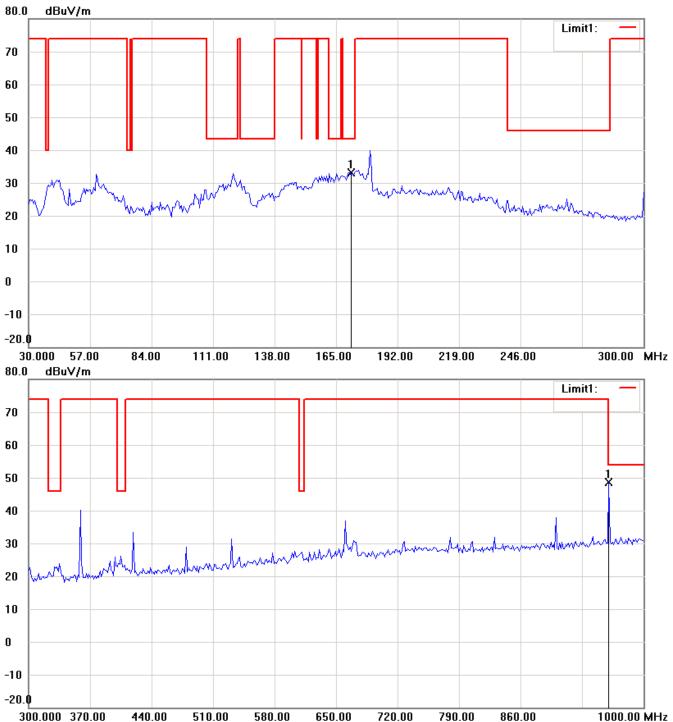
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

TX 802.11b mode_CH6 Antenna Polarization H

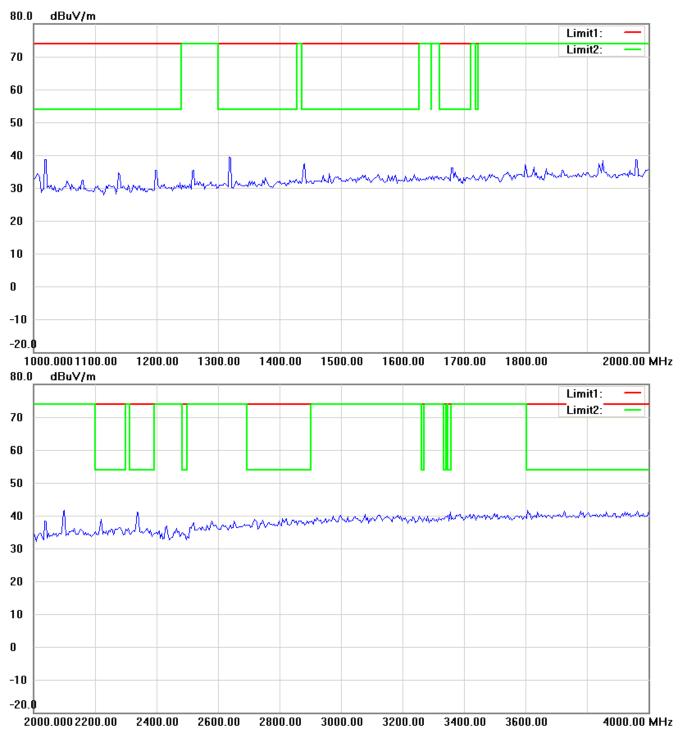


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

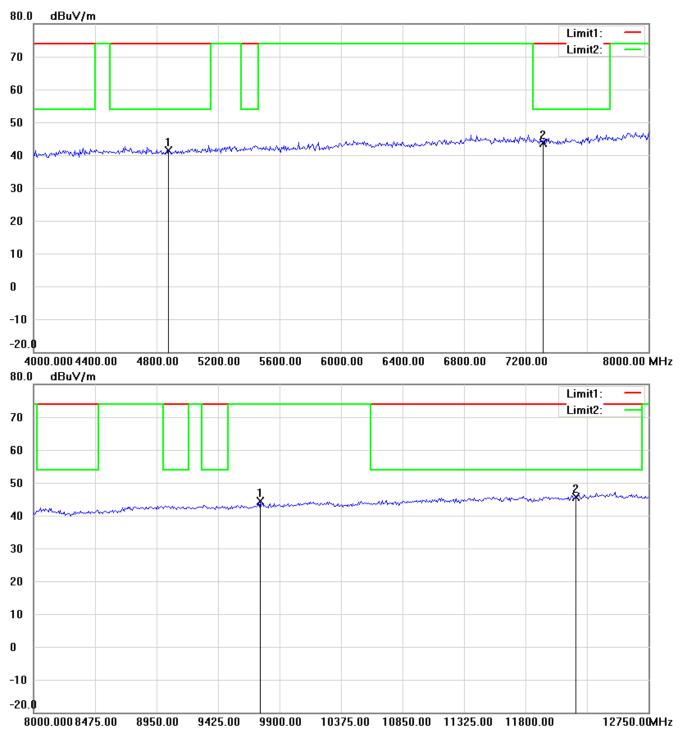


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

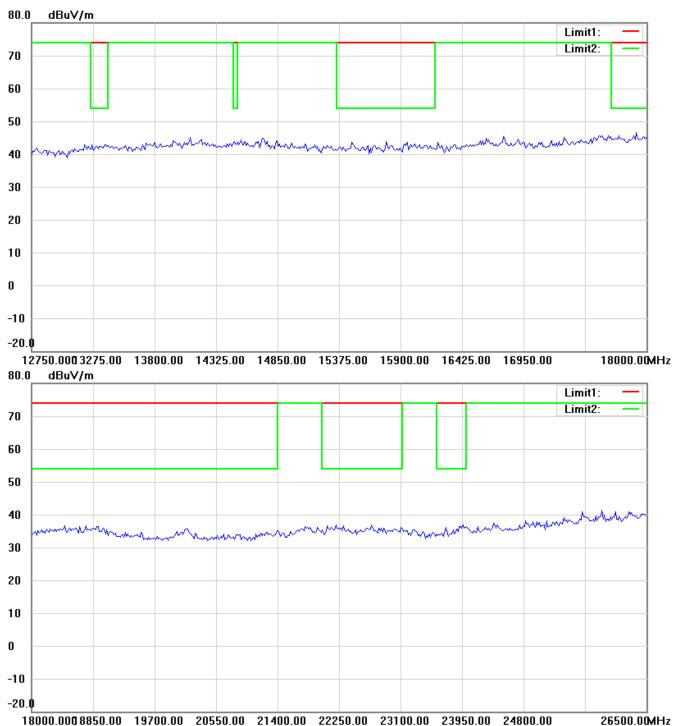


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



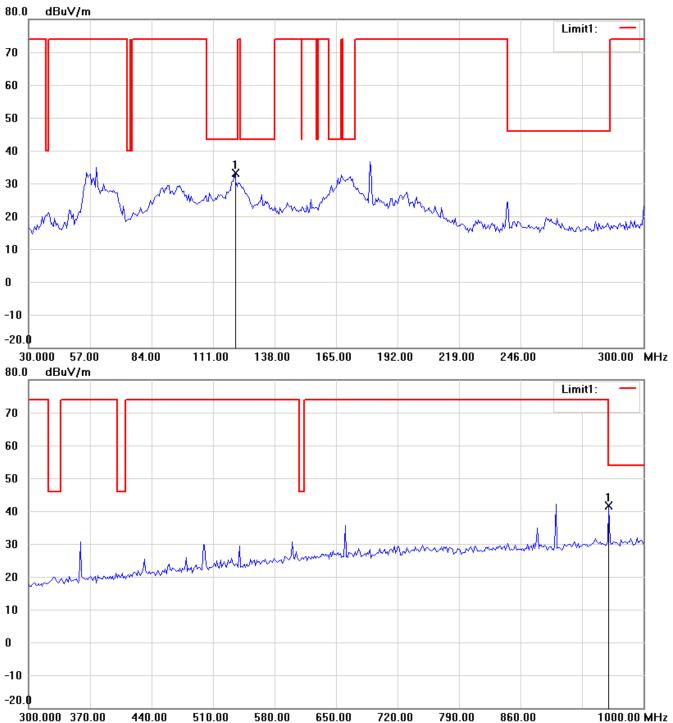
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Antenna Polarization V

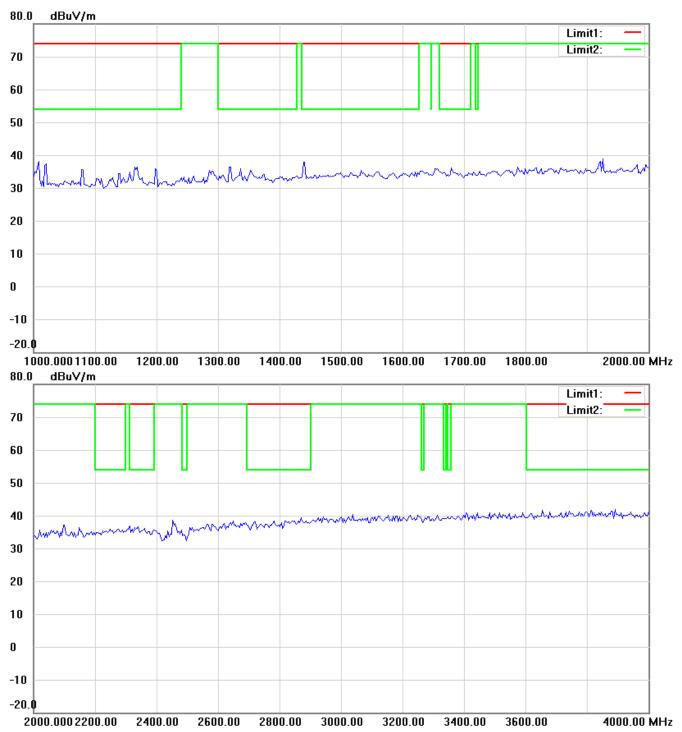


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

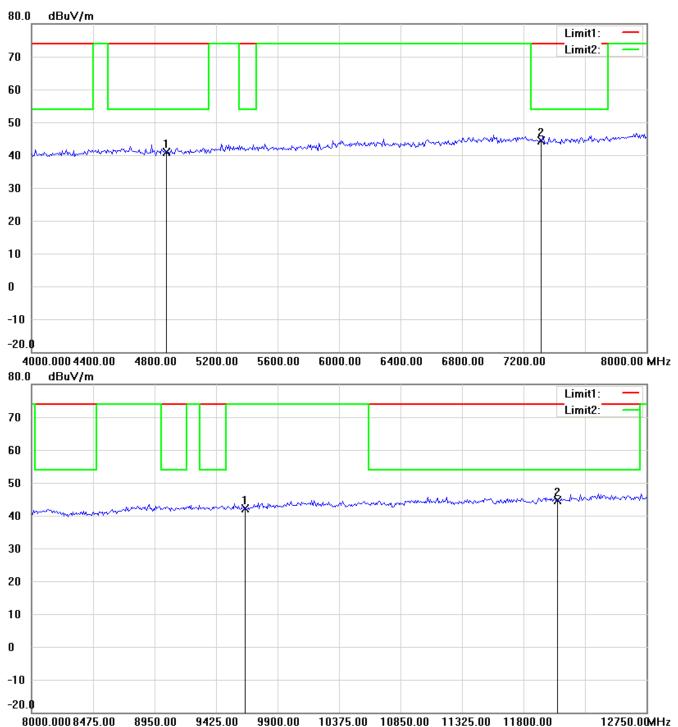


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

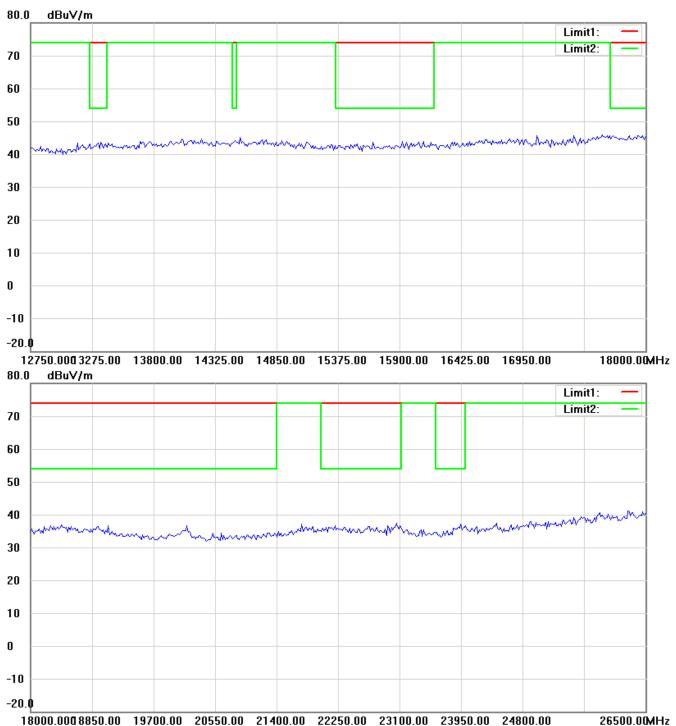


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



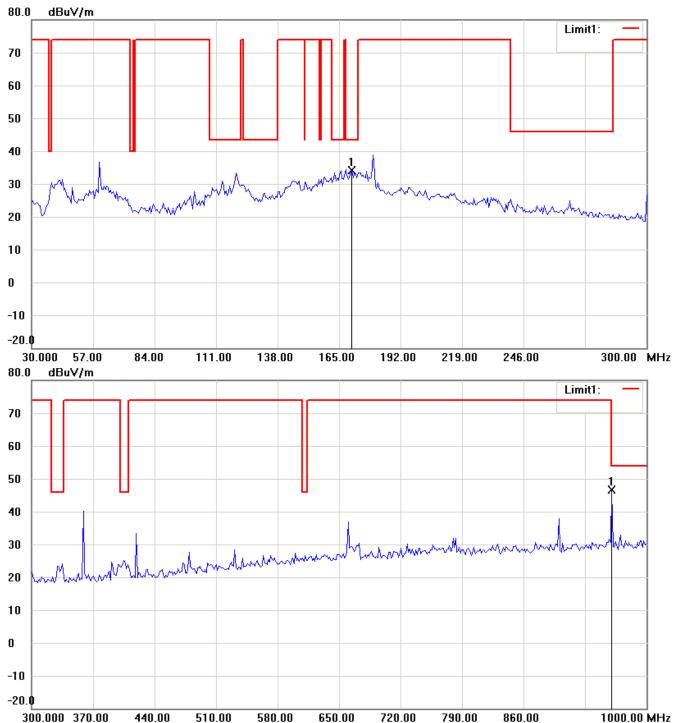
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

TX 802.11b mode_CH11 Antenna Polarization H

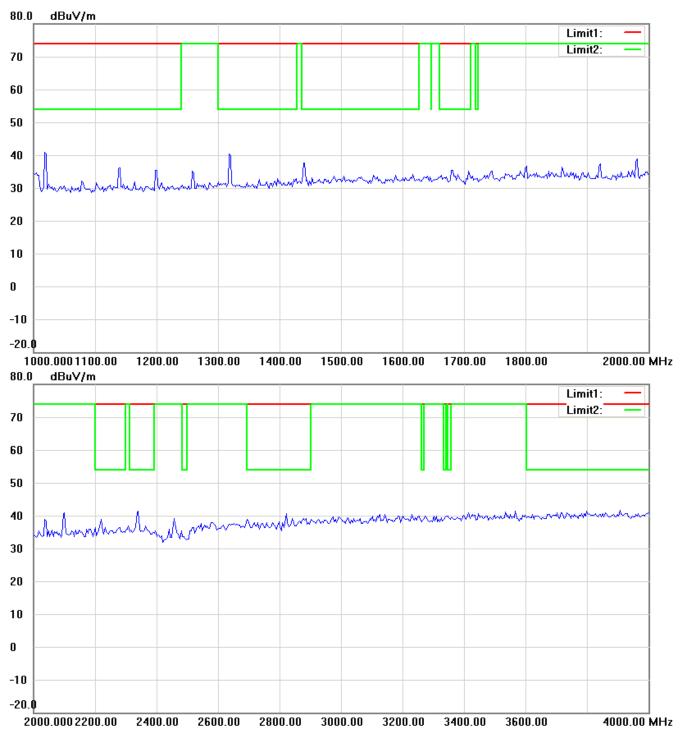


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

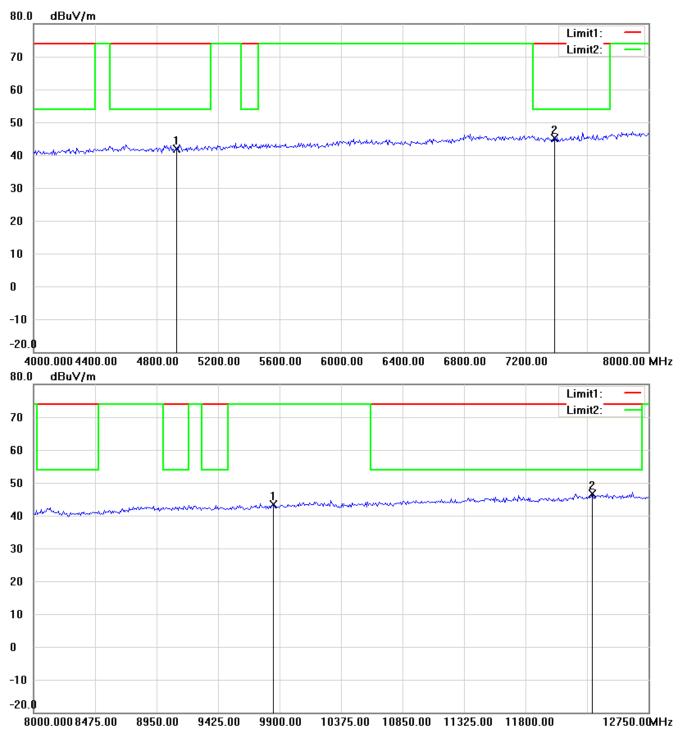


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

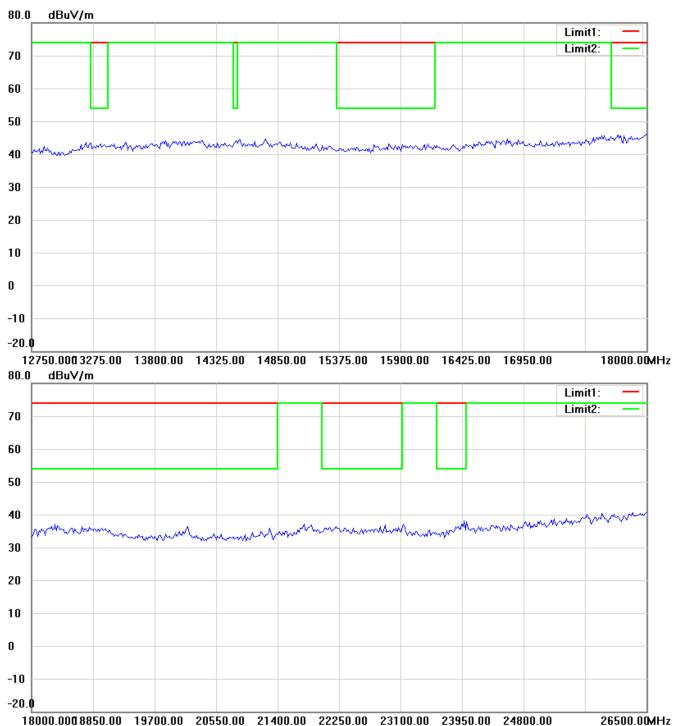


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



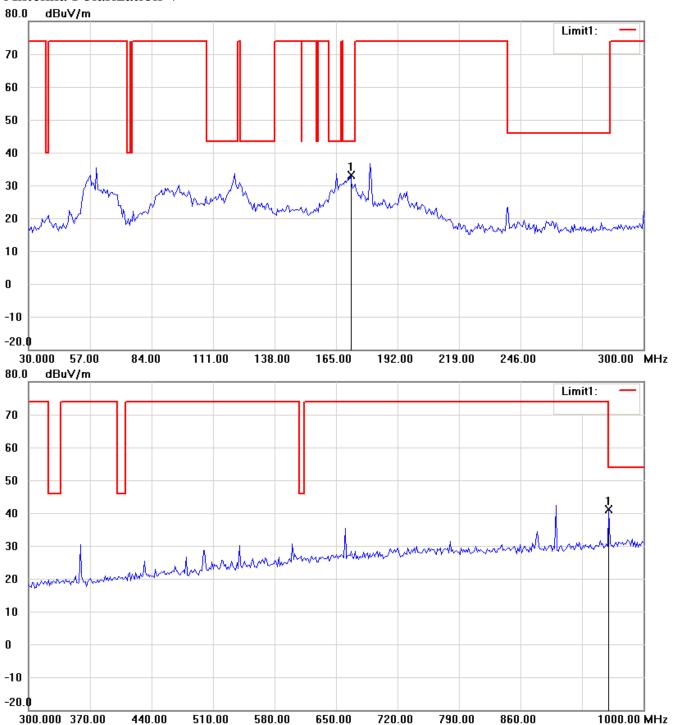
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Antenna Polarization V

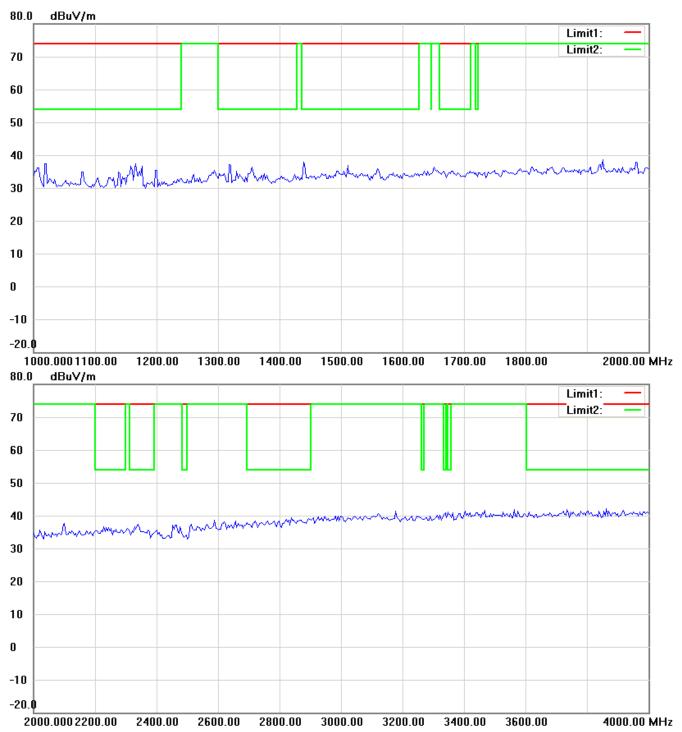


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

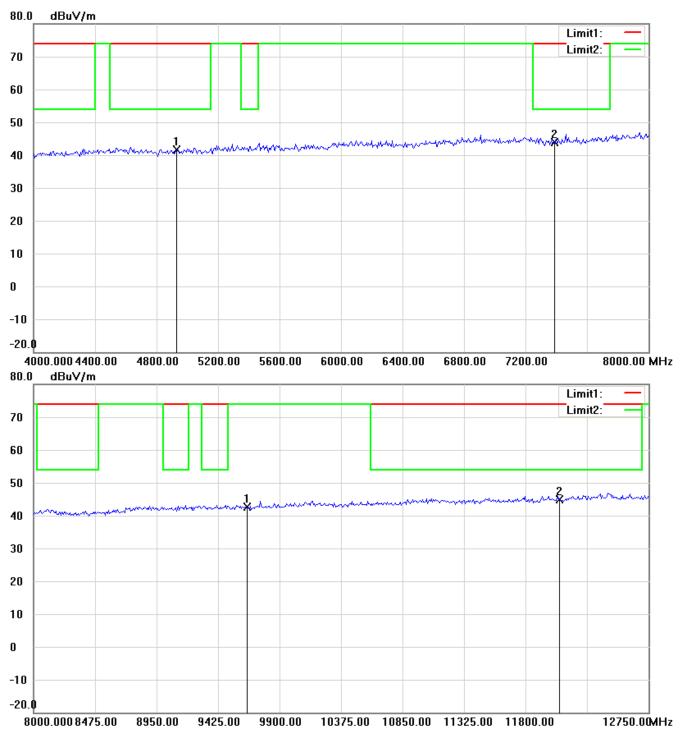


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

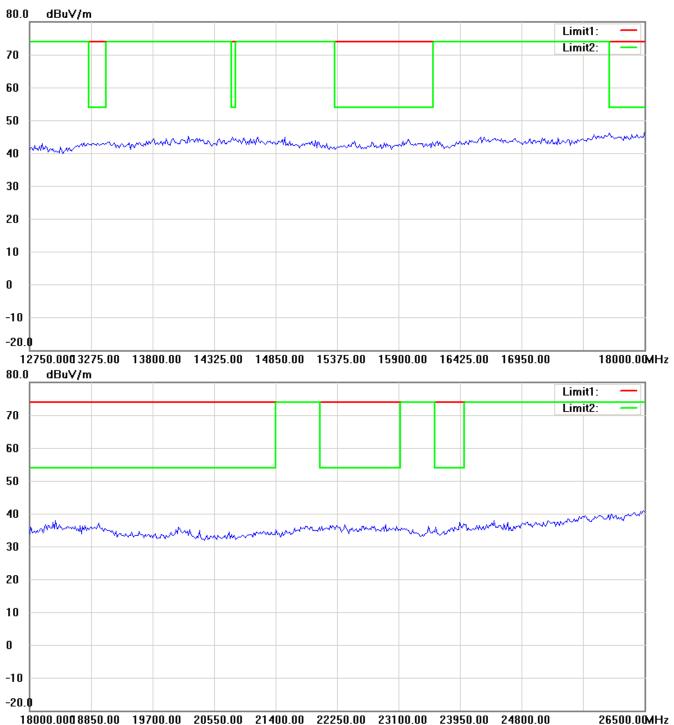


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



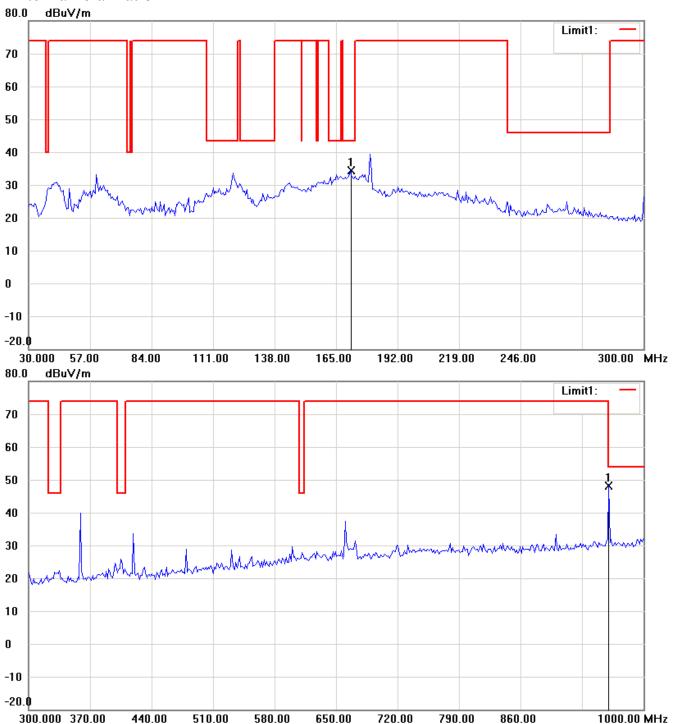
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

TX 802.11g mode_CH1 Antenna Polarization H

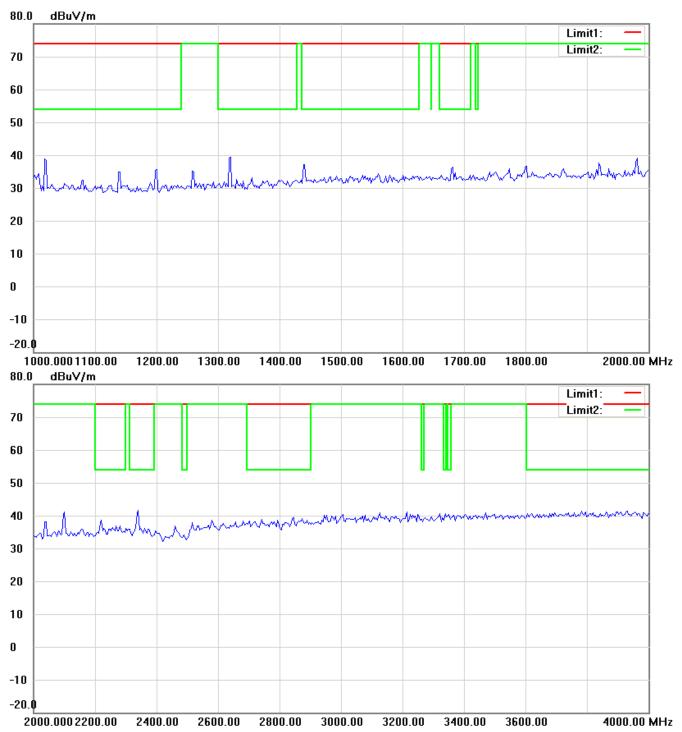


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

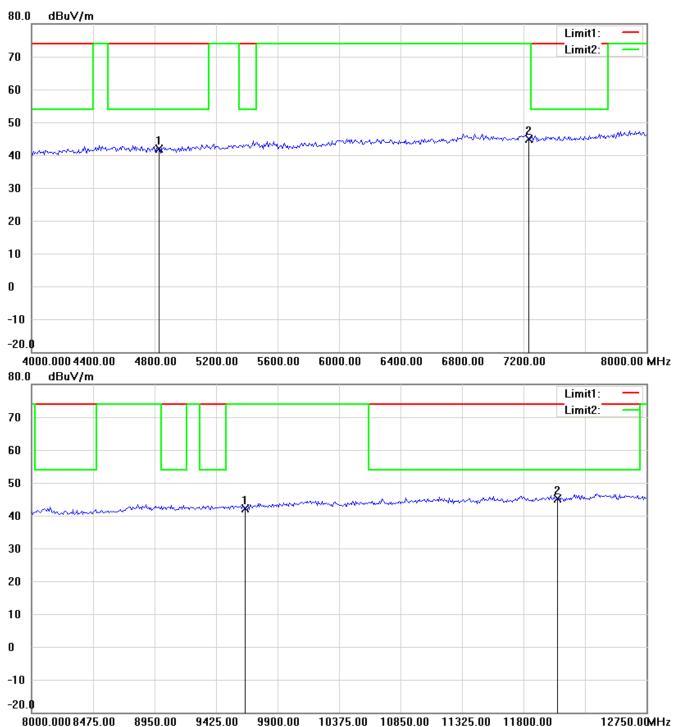


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

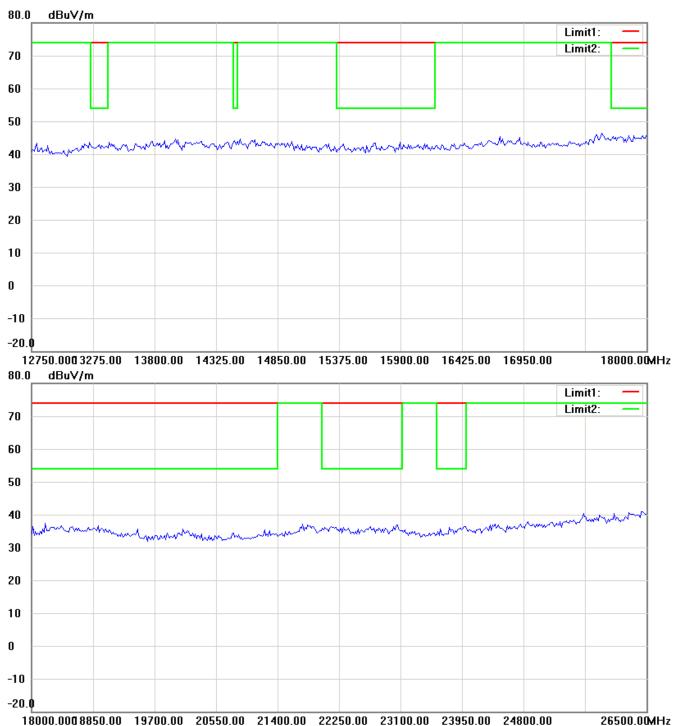


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



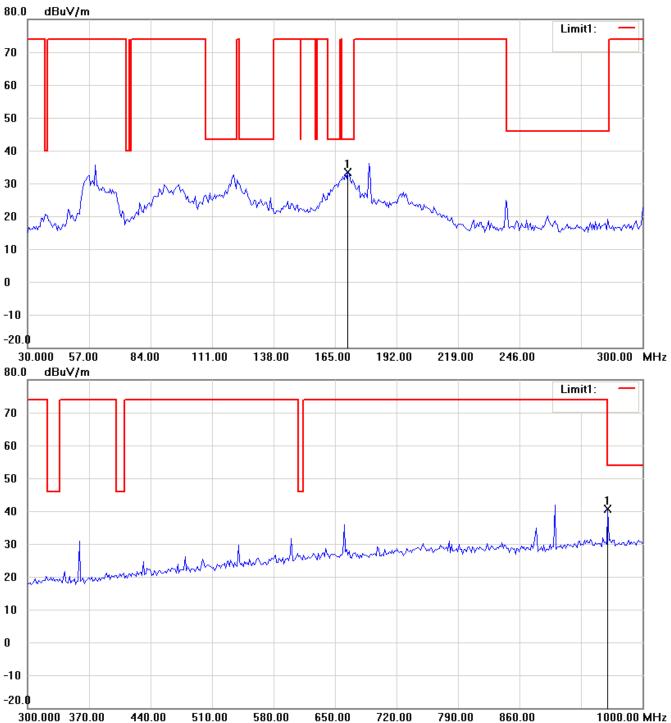
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Antenna Polarization V

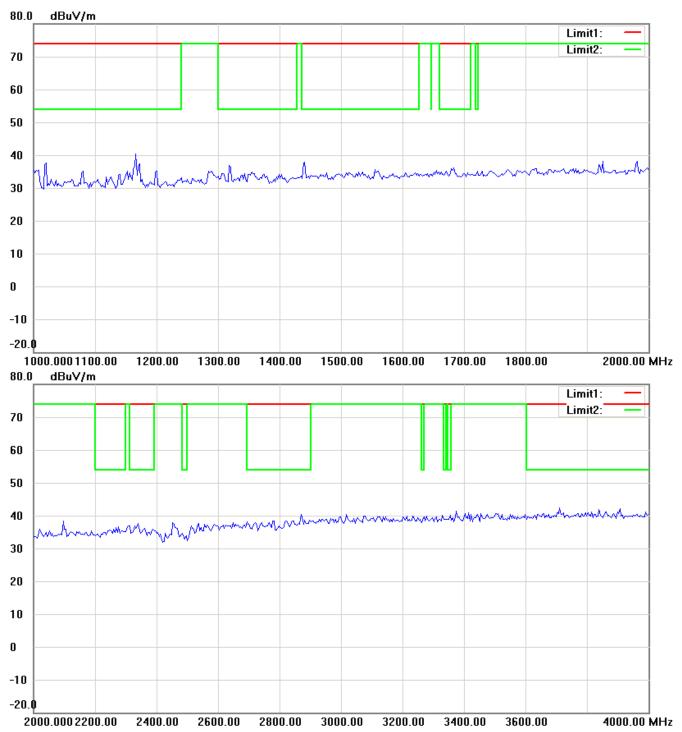


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

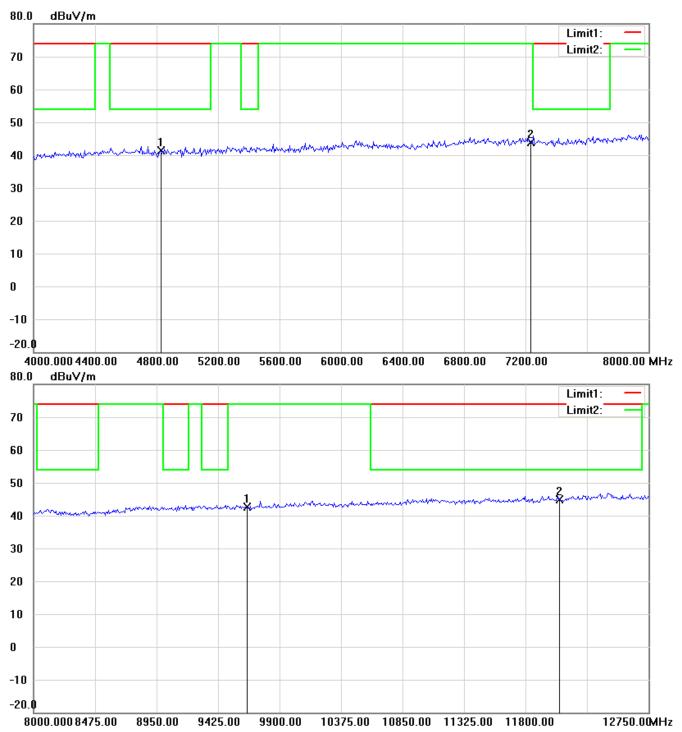


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

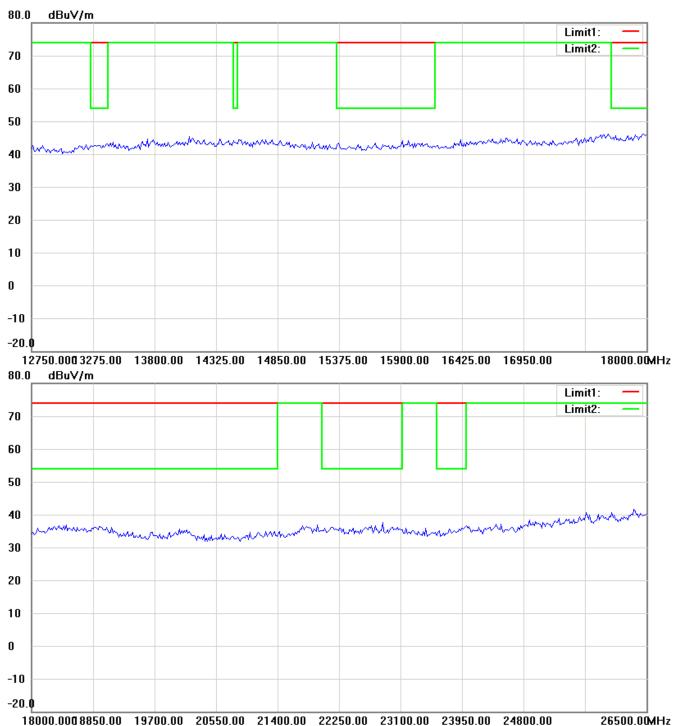


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



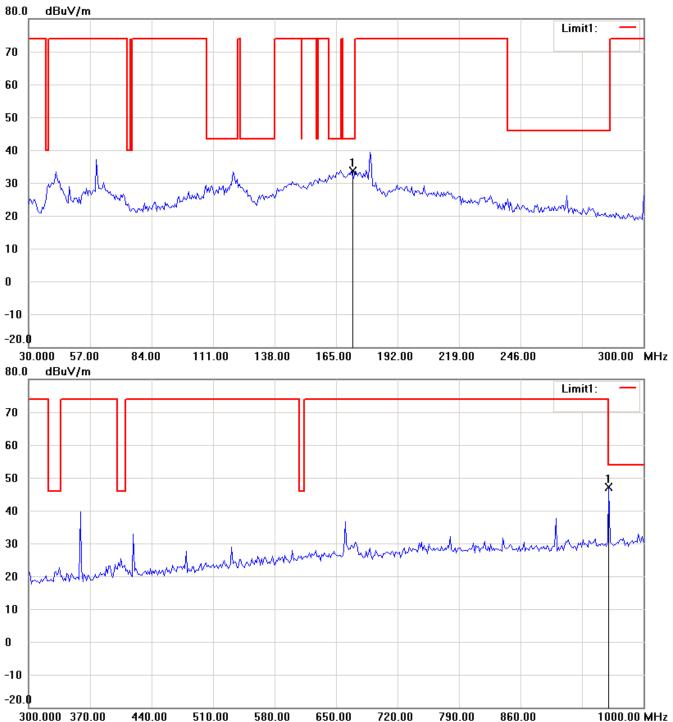
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

TX 802.11g mode_CH6 Antenna Polarization H

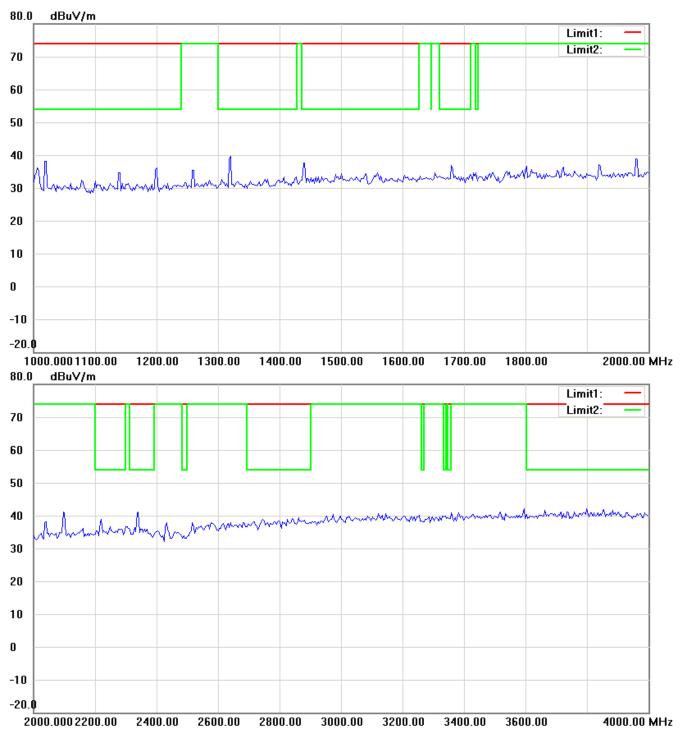


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

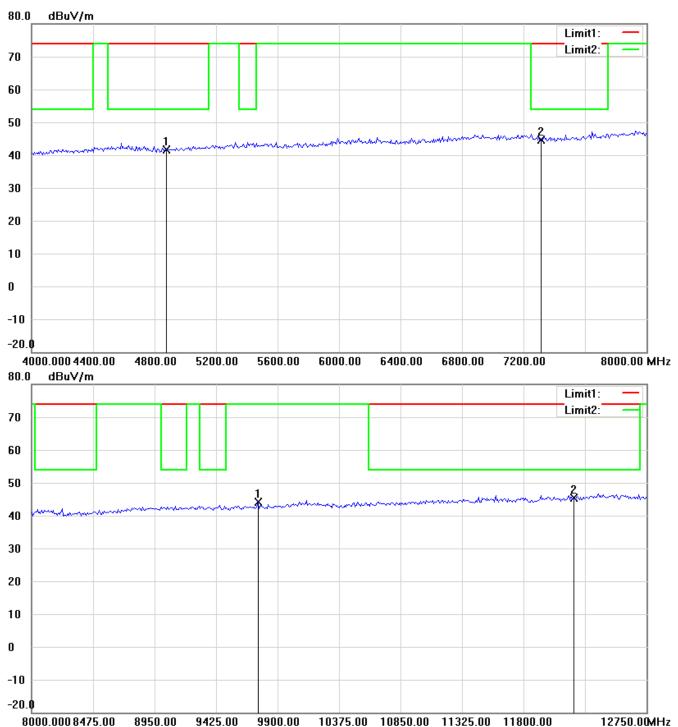


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

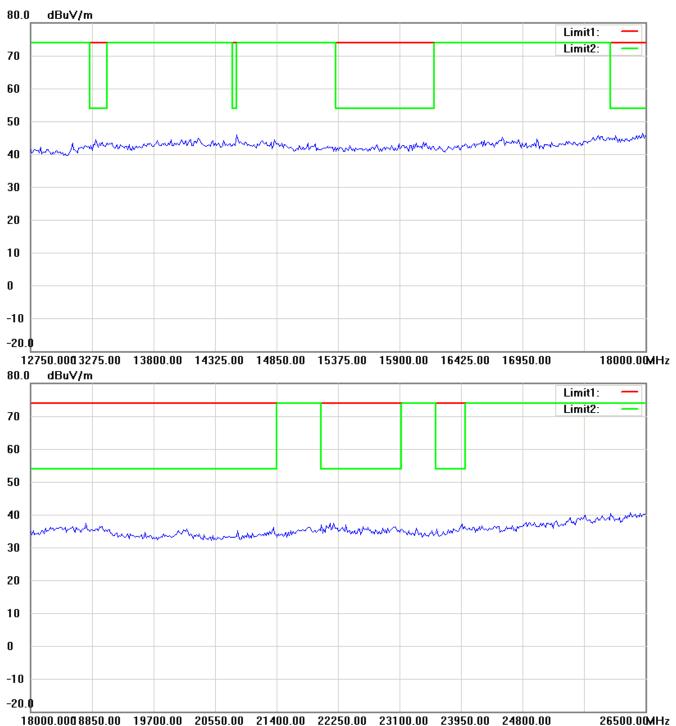


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



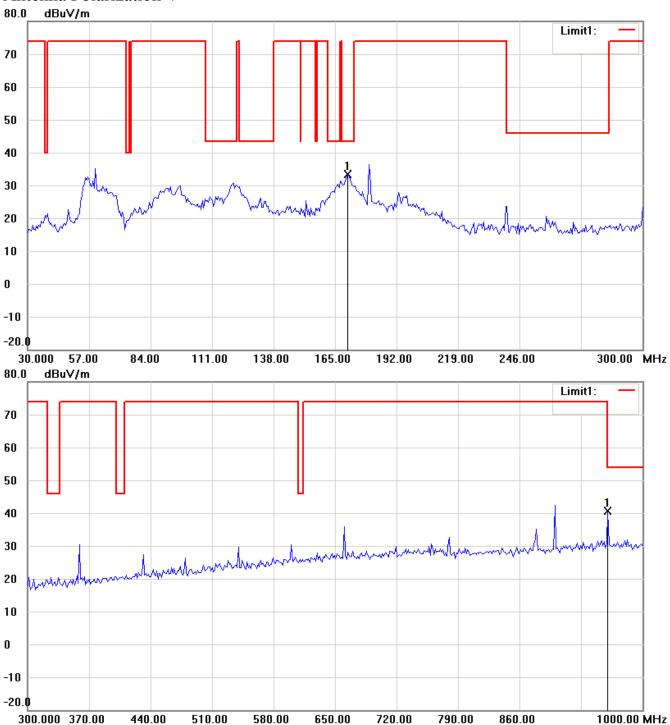
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Antenna Polarization V

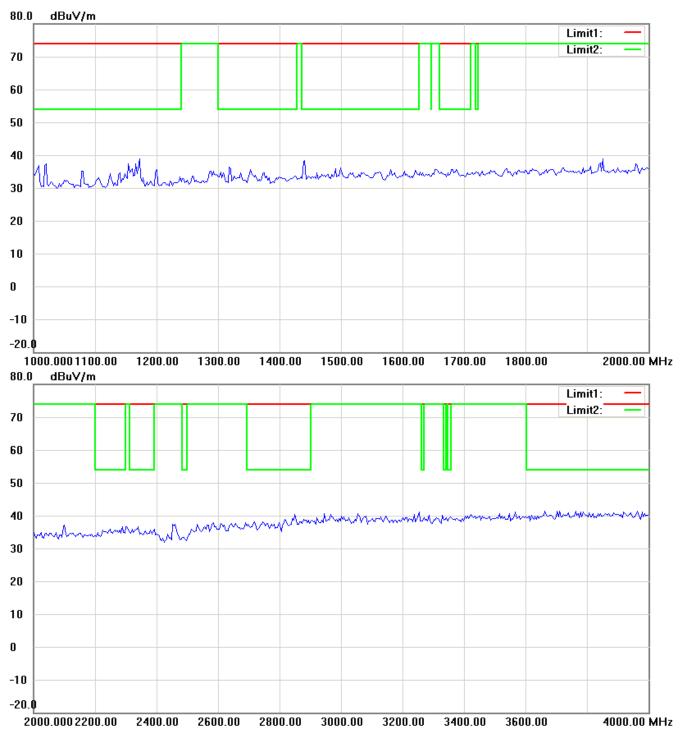


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

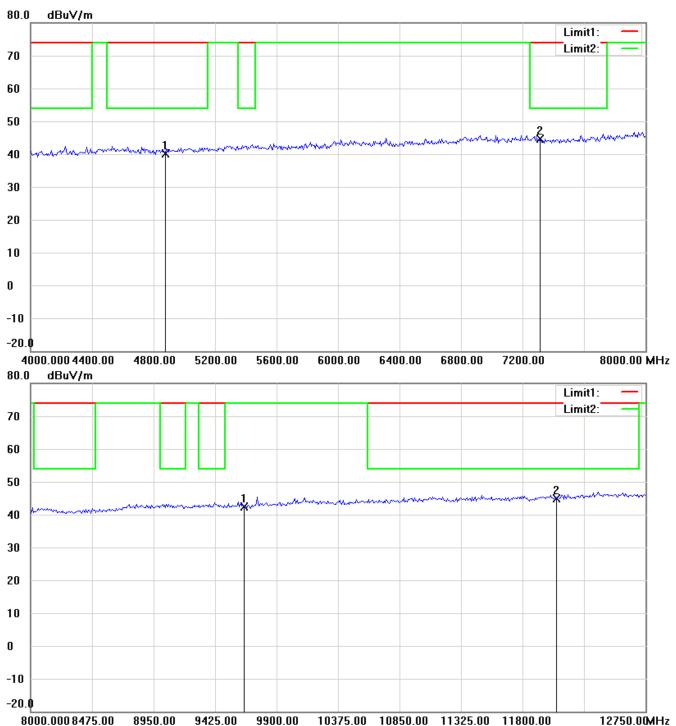


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

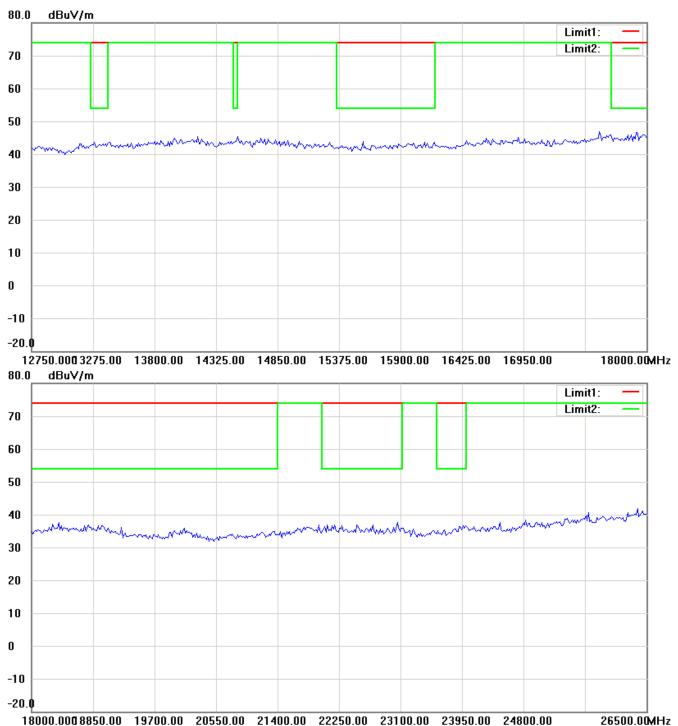


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



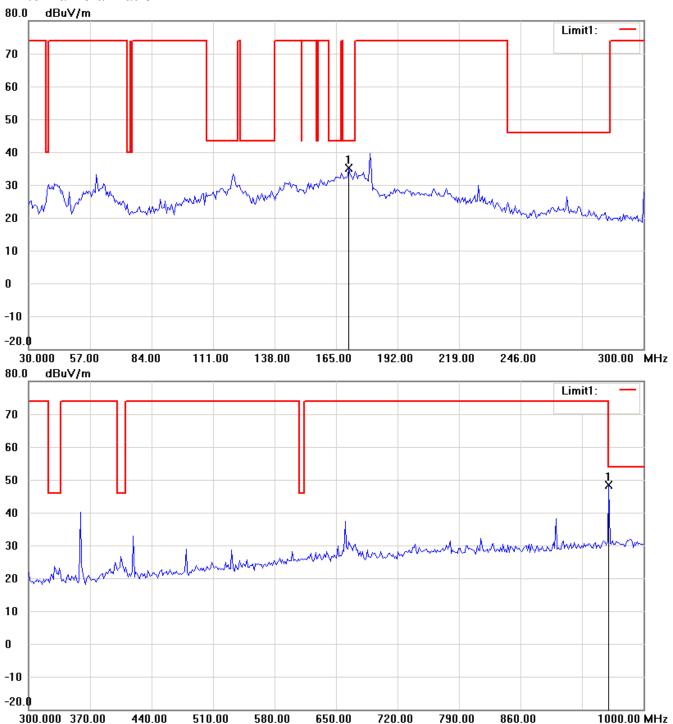
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

TX 802.11g mode_CH11 Antenna Polarization H

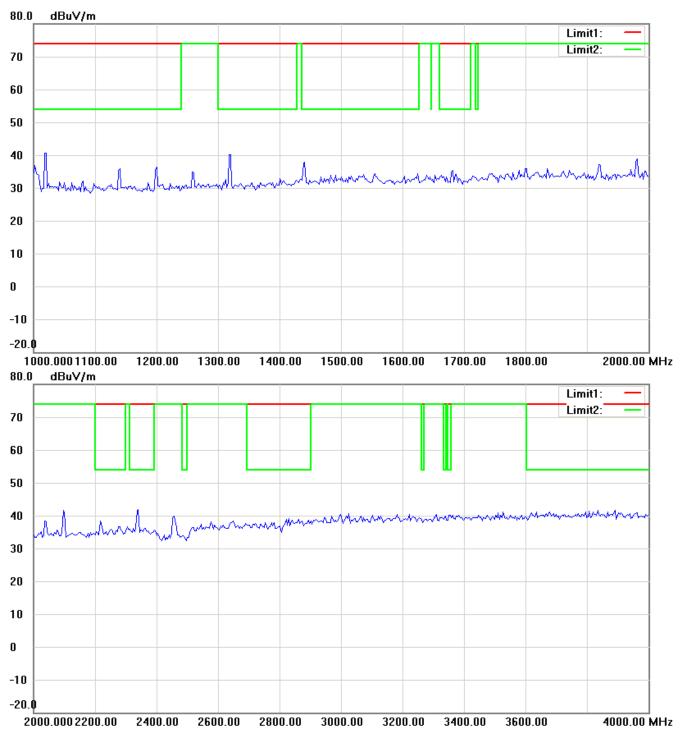


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

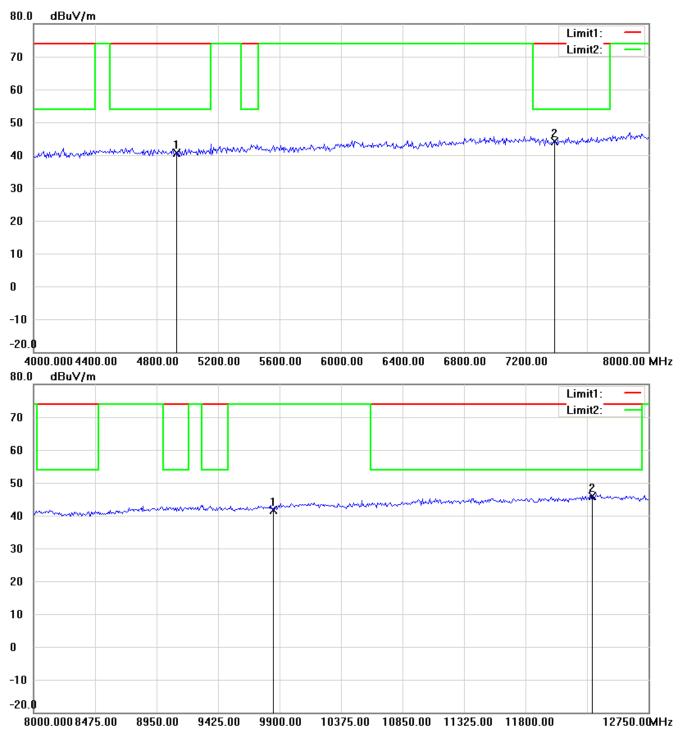


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

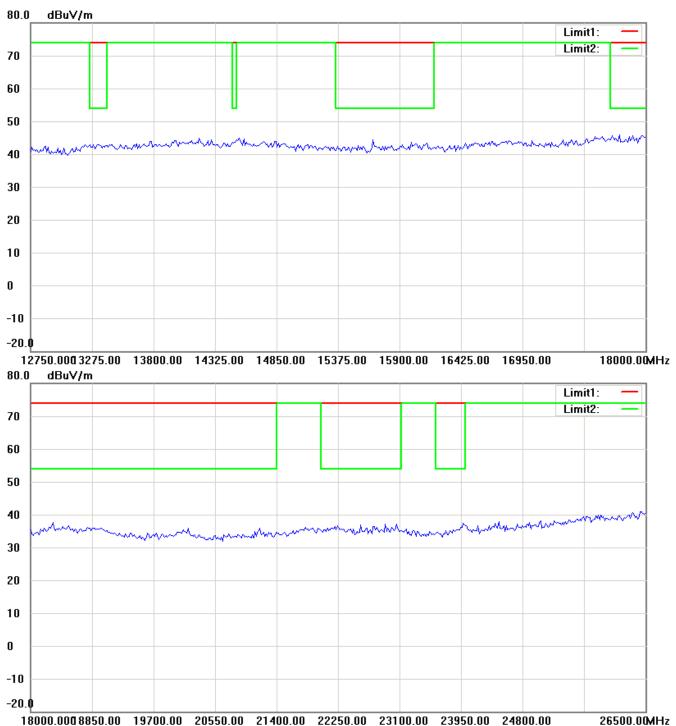


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



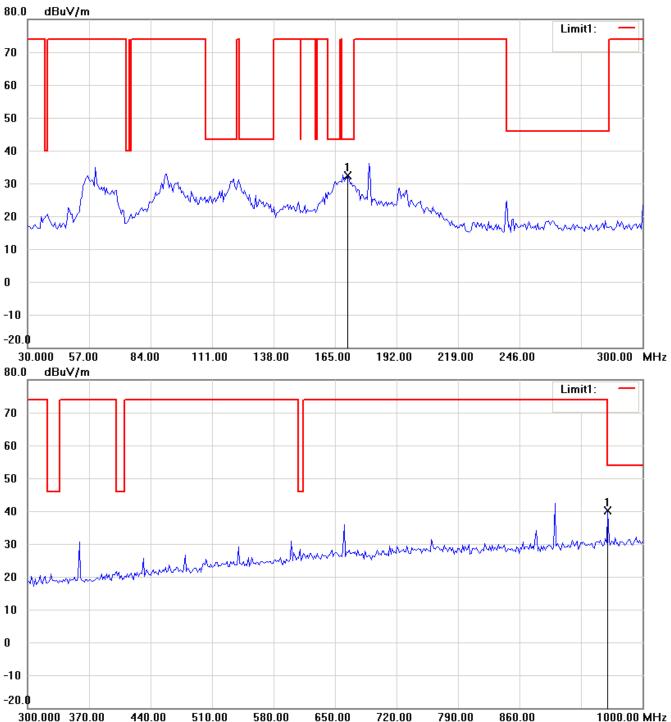
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Antenna Polarization V

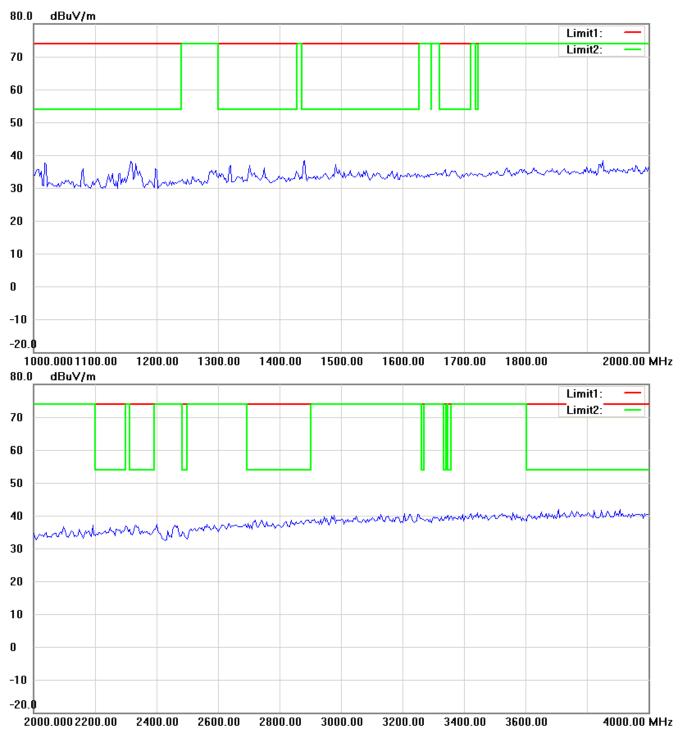


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

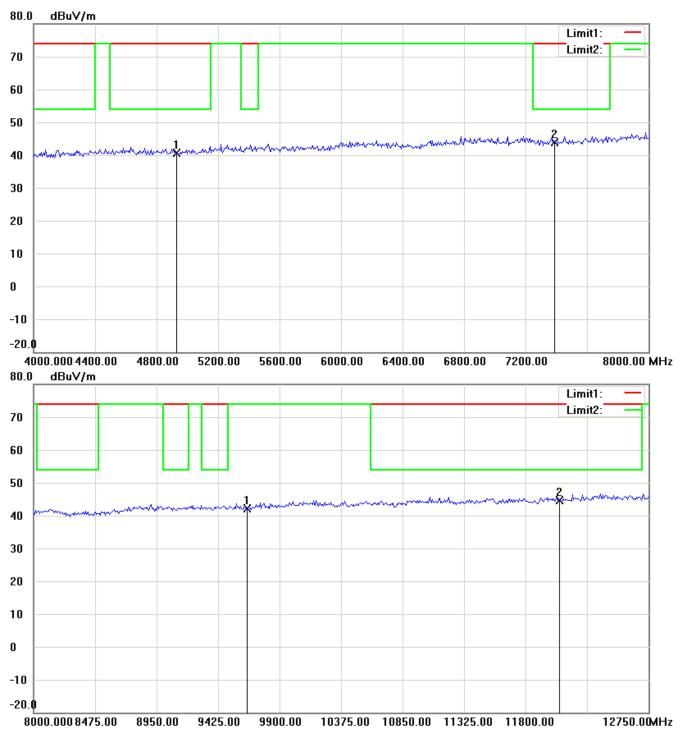


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

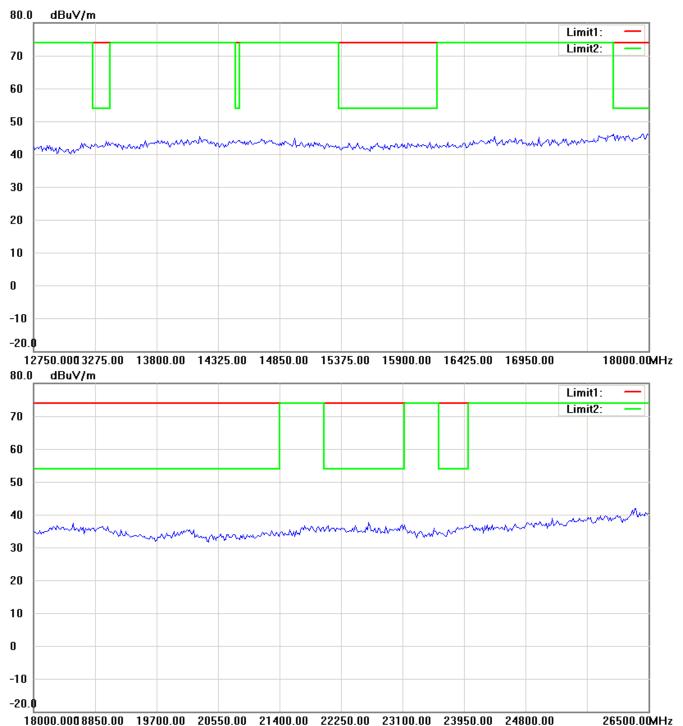


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



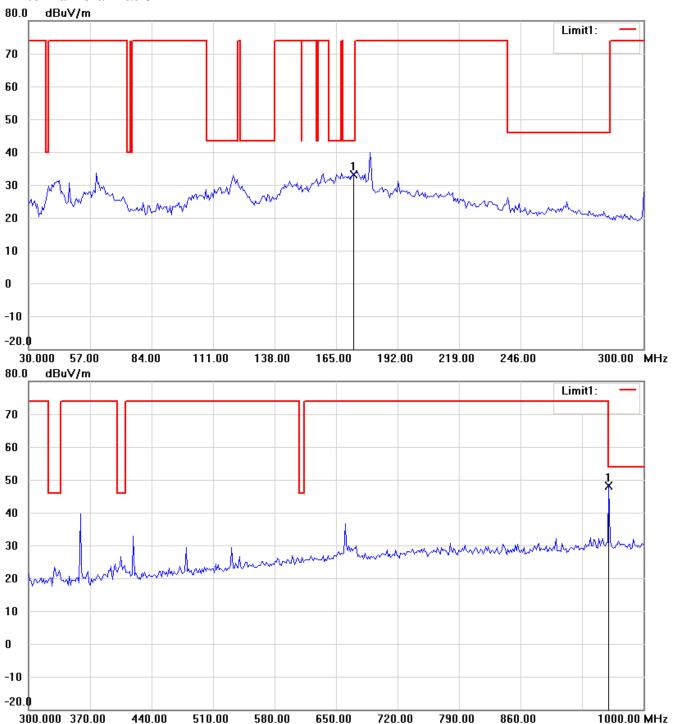
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

TX 802.11n mode_CH1 Antenna Polarization H

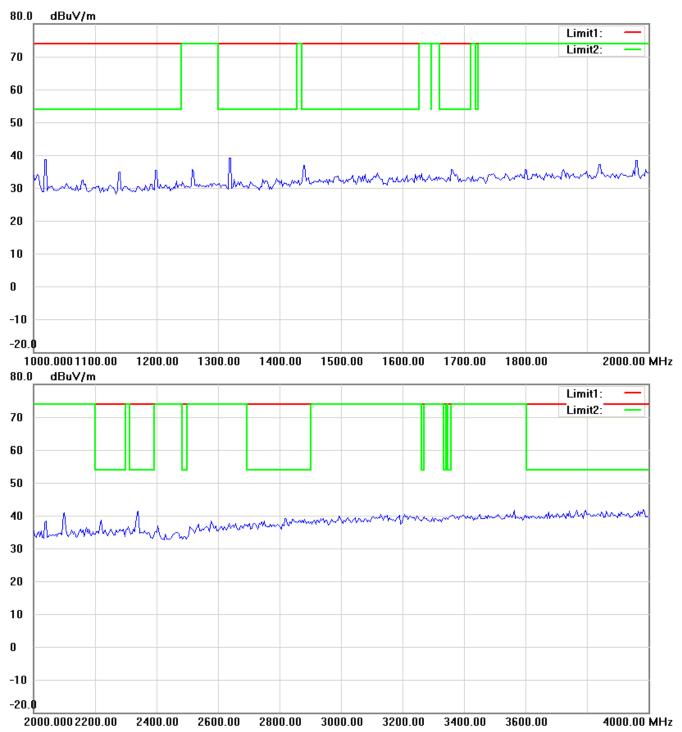


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

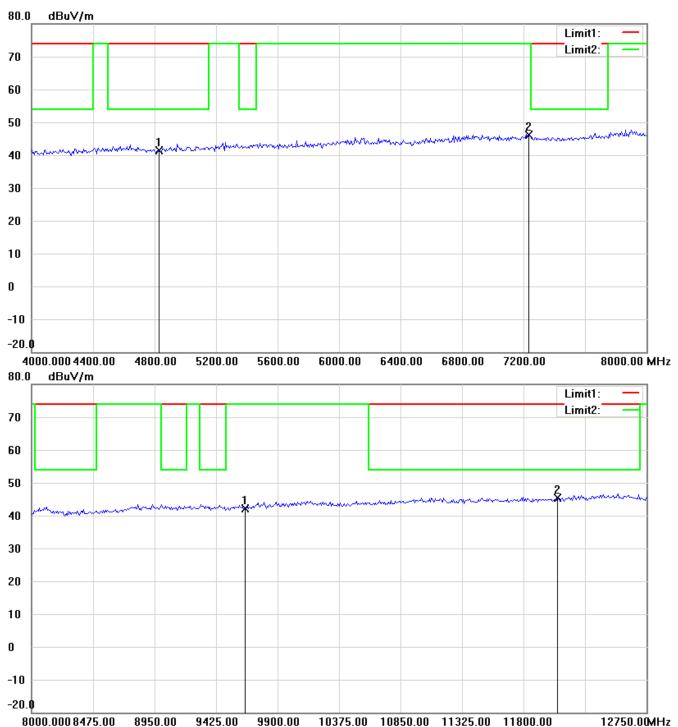


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

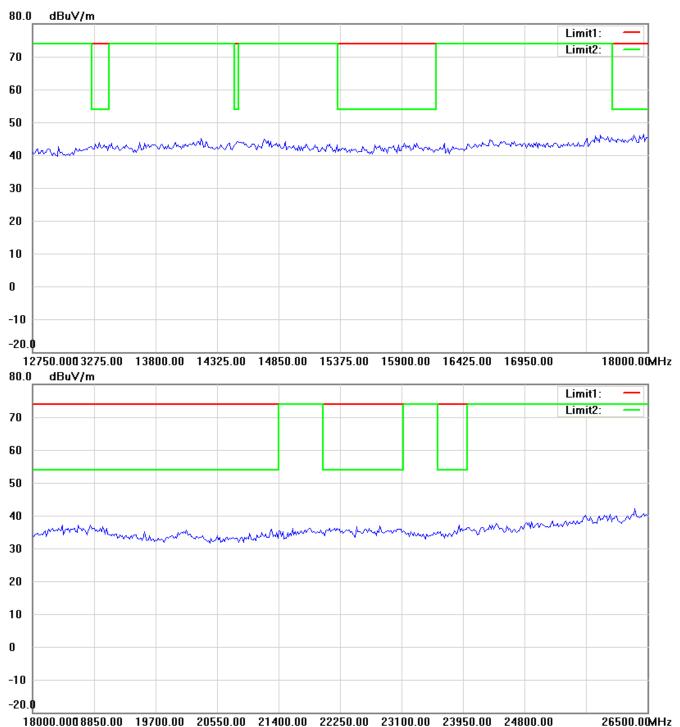


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- 3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



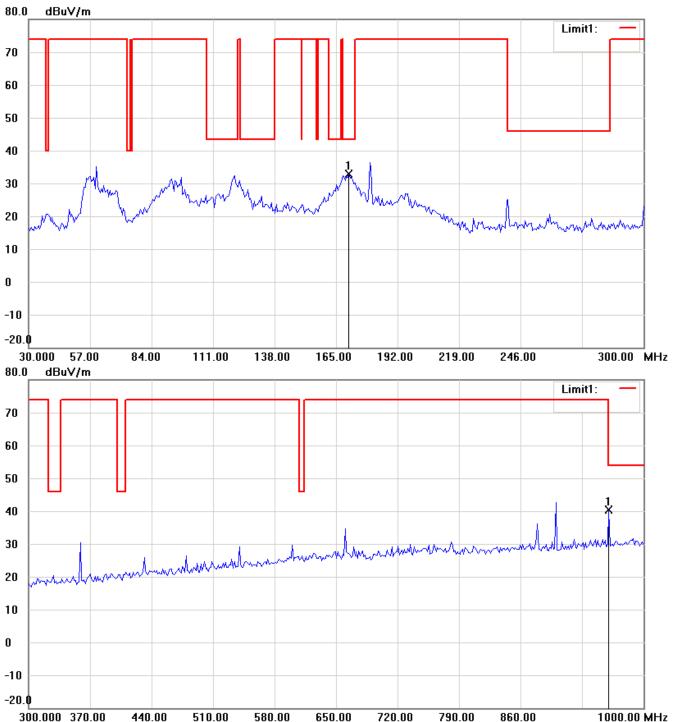
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Antenna Polarization V

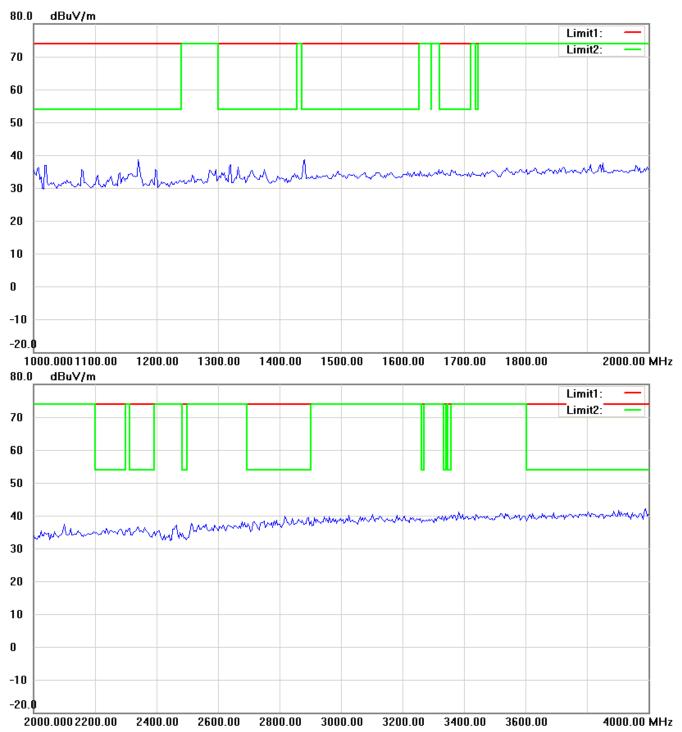


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

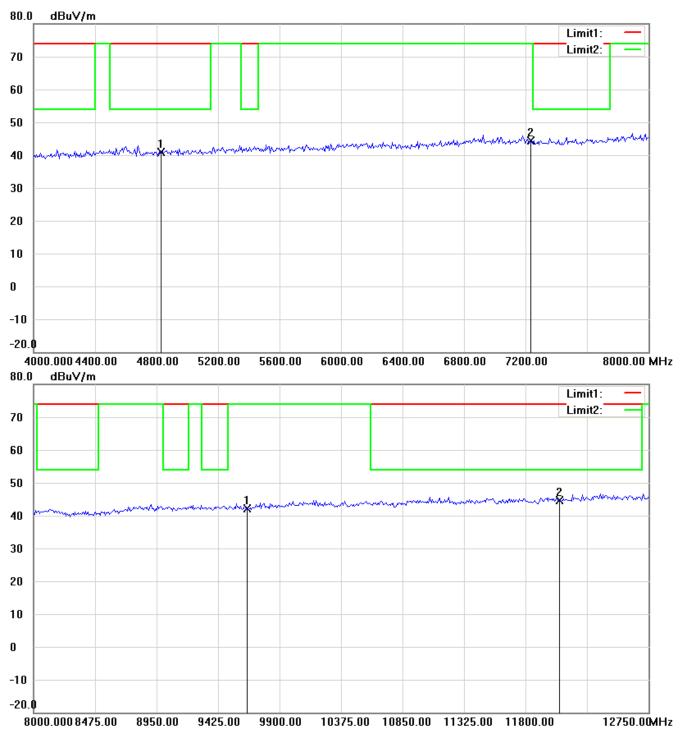


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FCC ID: UZI-PR30

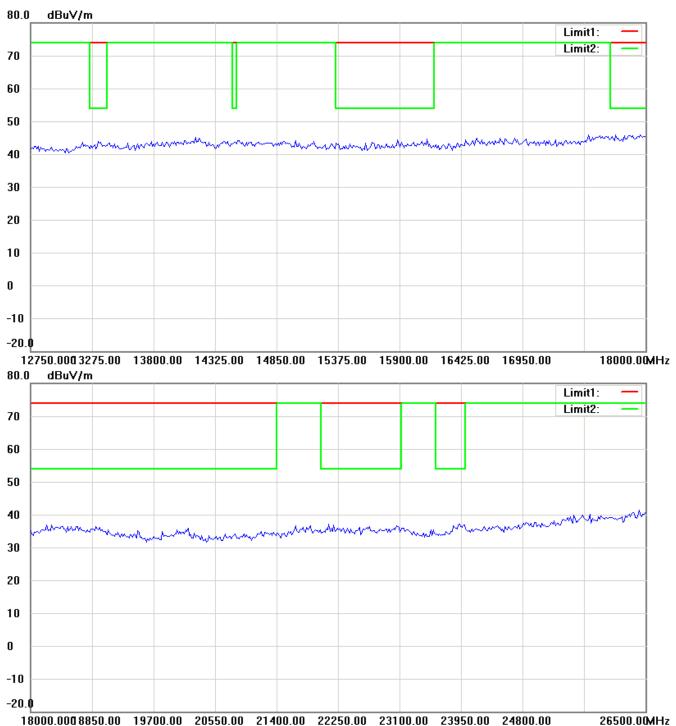


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



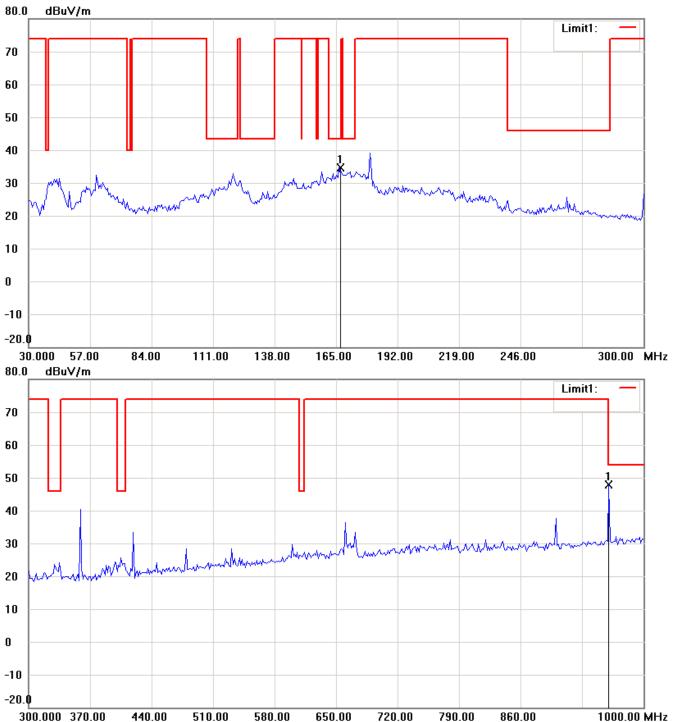
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

TX 802.11n mode_CH6 Antenna Polarization H

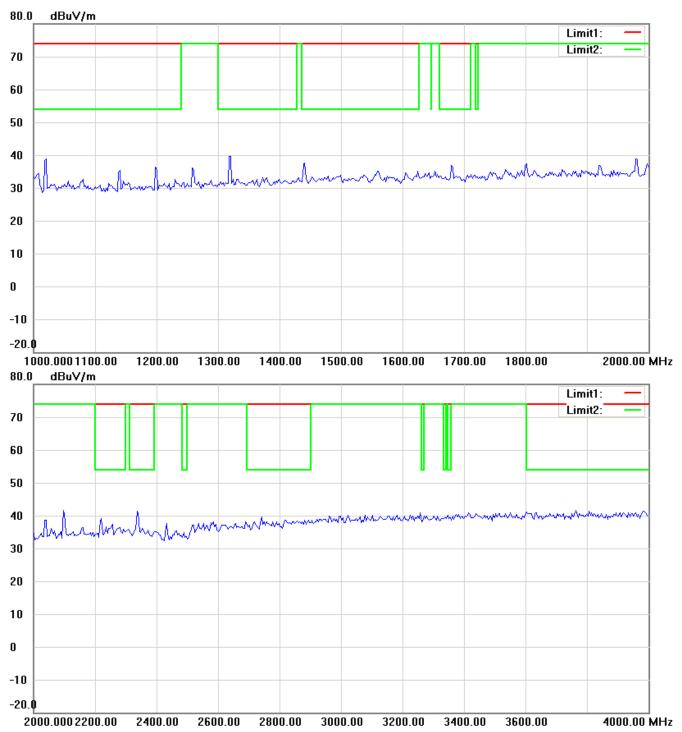


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

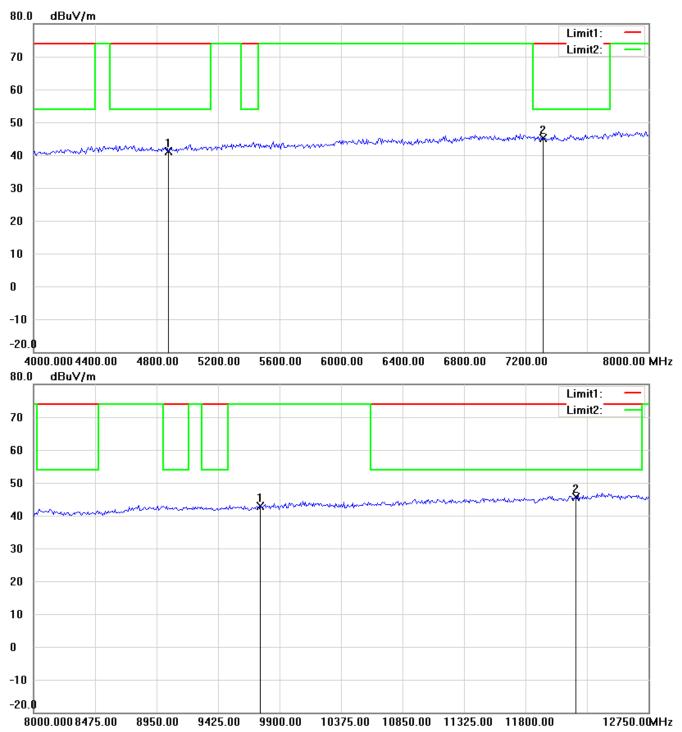


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

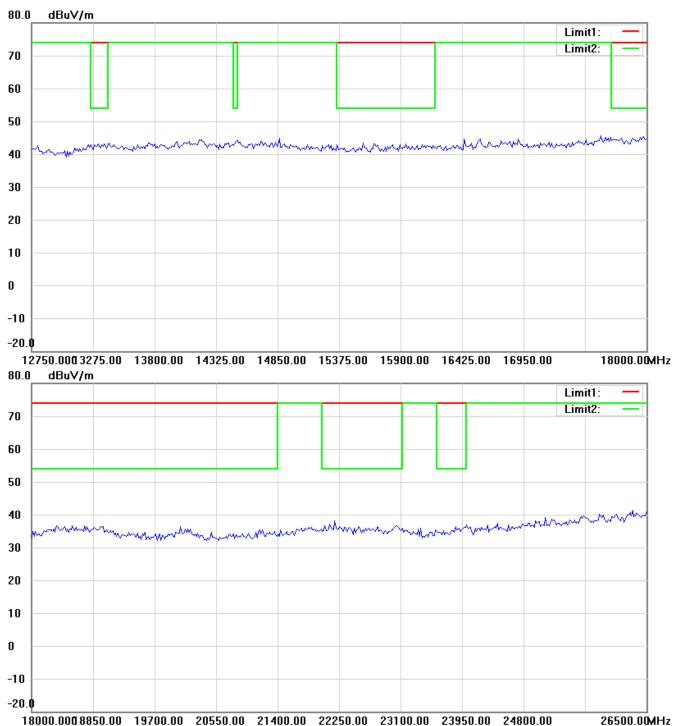


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



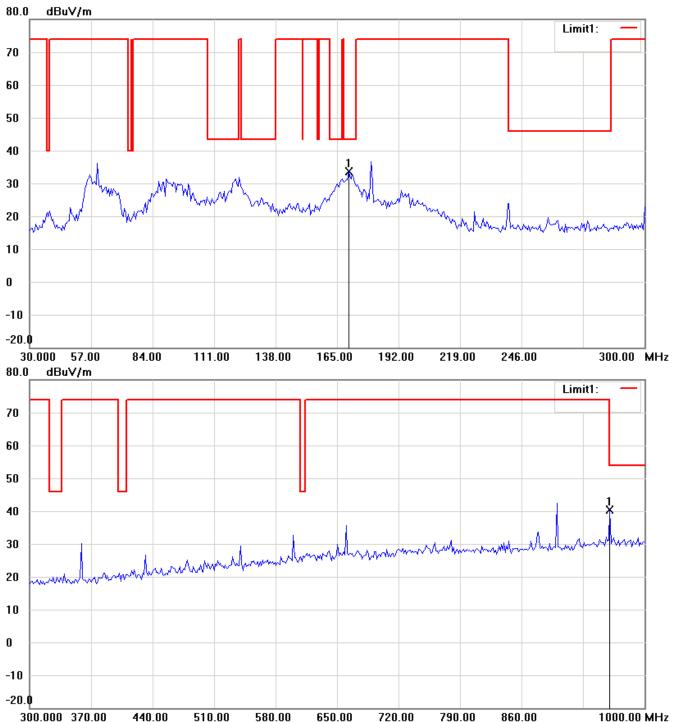
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Antenna Polarization V

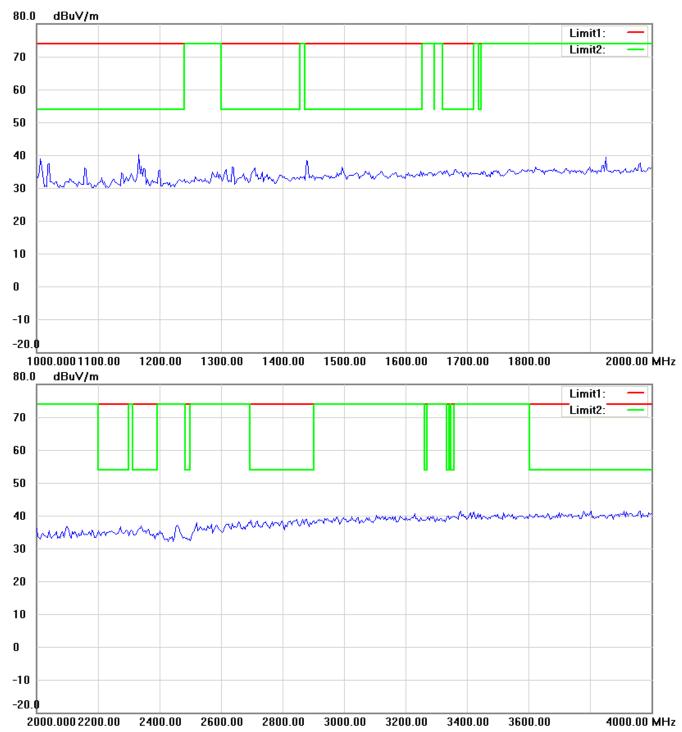


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

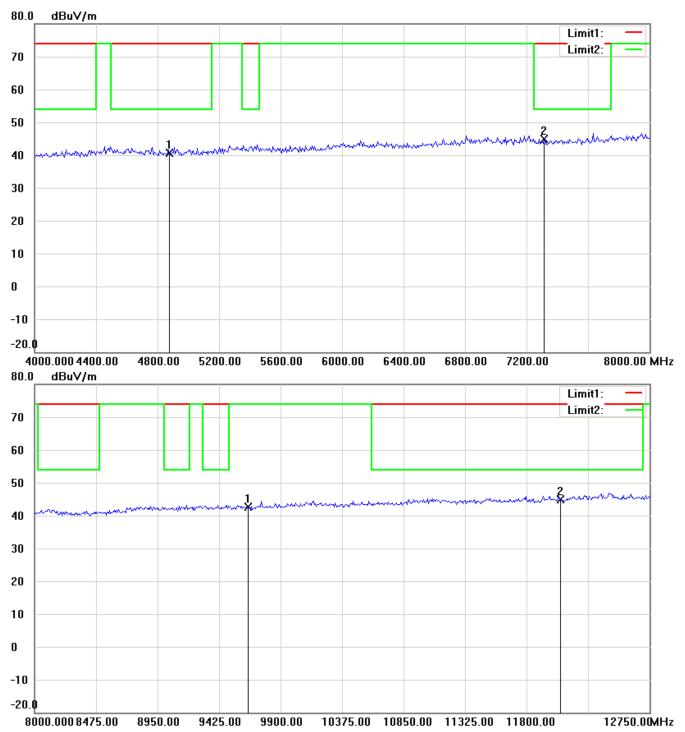


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FCC ID: UZI-PR30

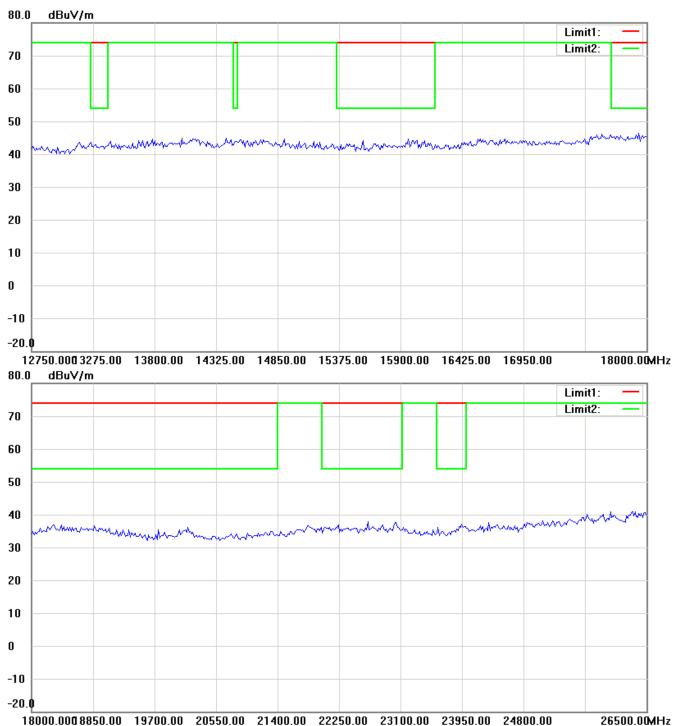


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FCC ID: UZI-PR30



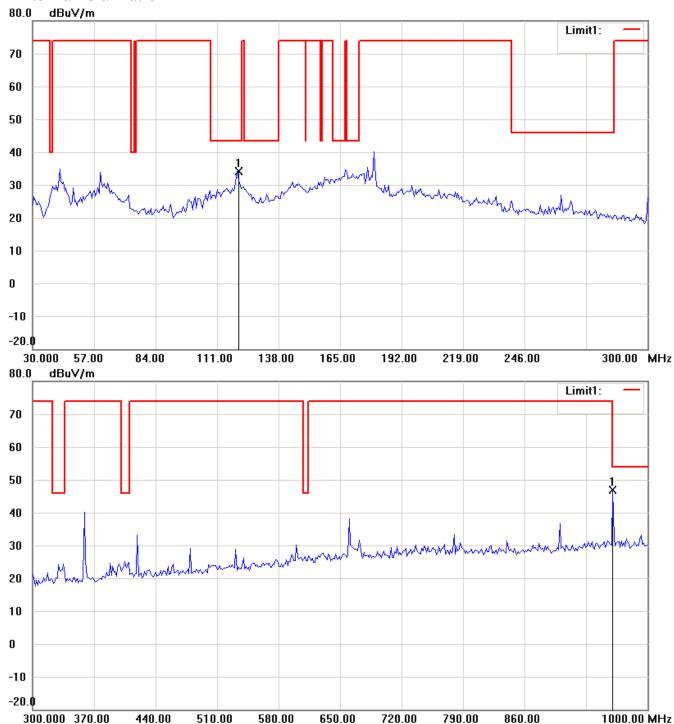
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

TX 802.11n mode_CH11 Antenna Polarization H

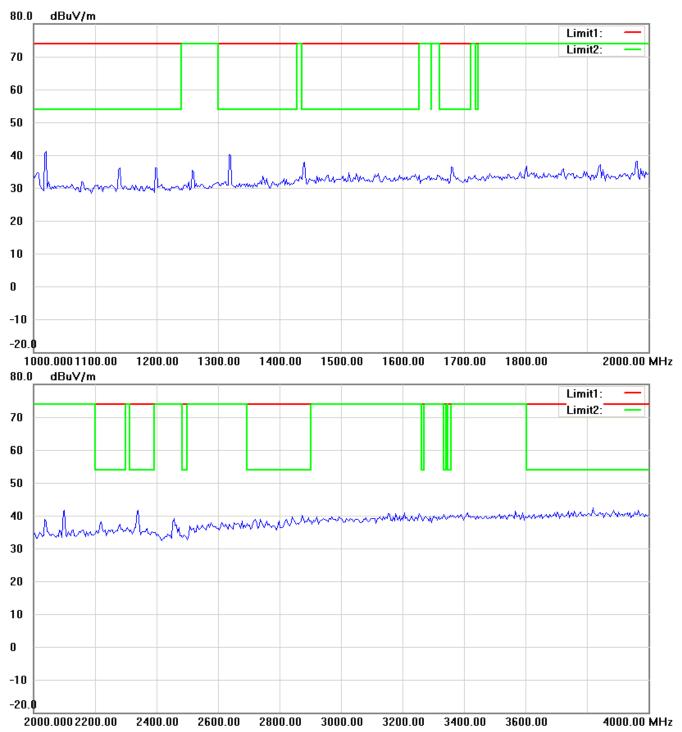


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

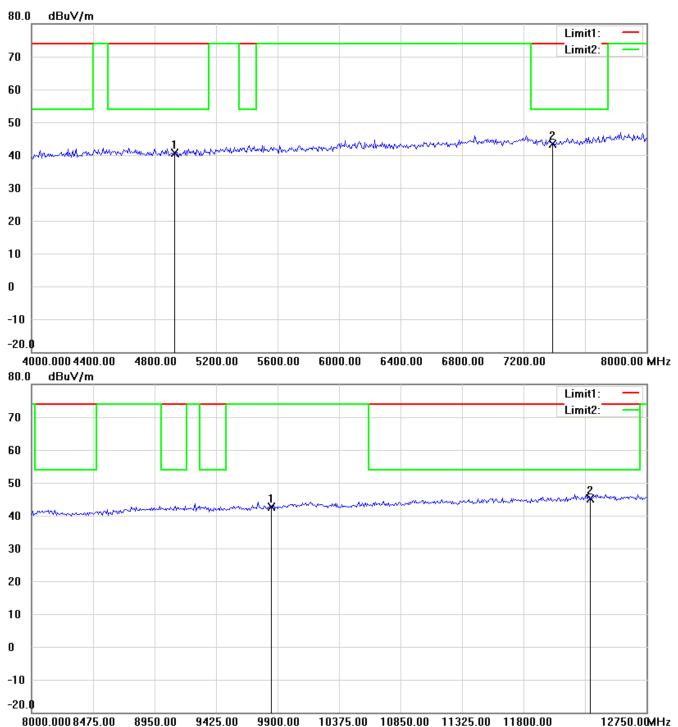


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

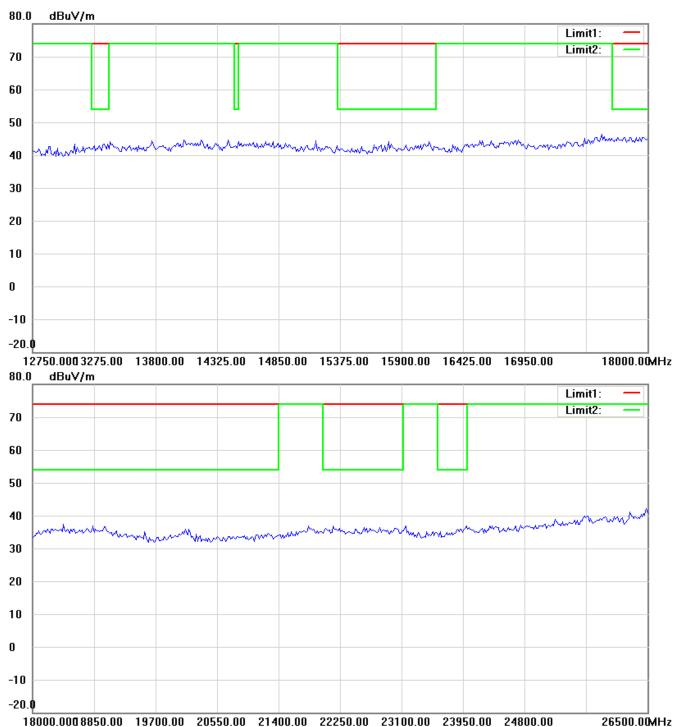


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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30



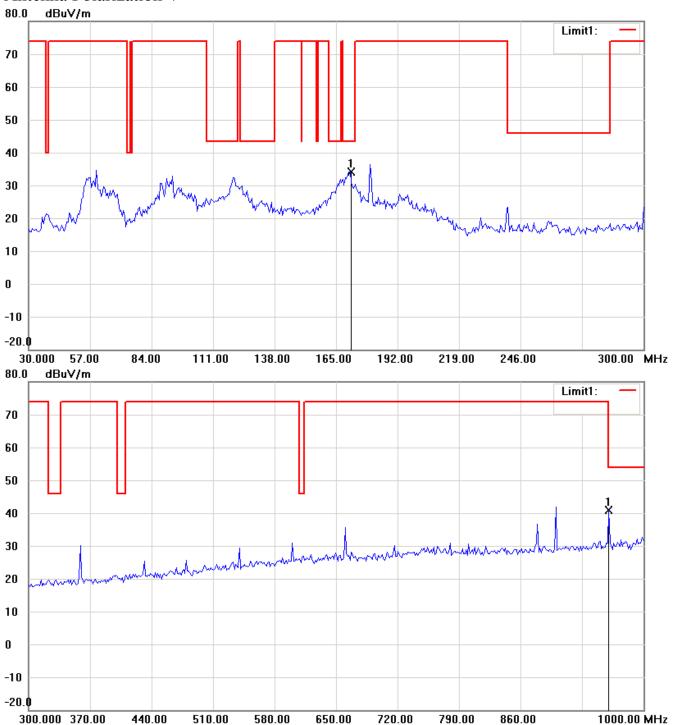
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
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Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

Antenna Polarization V

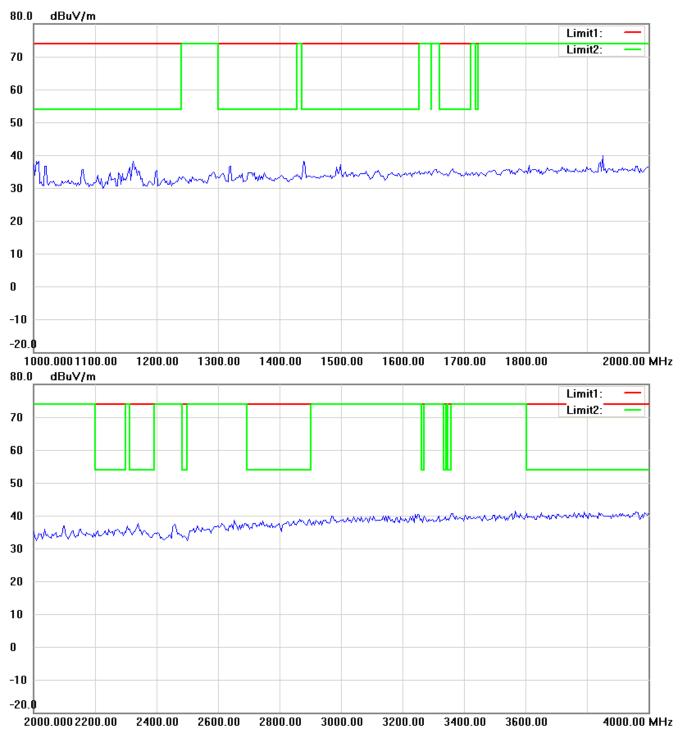


- The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- The some frequencies may exceed the limit line without the specified detectors, but that cannot present the 2. results are failed to the specification of test standard.
- For corrected test results are listed in the relevant table of radiated test data of this test report. 3.



Registration number: W6M21103-11284-C-1

FCC ID: UZI-PR30

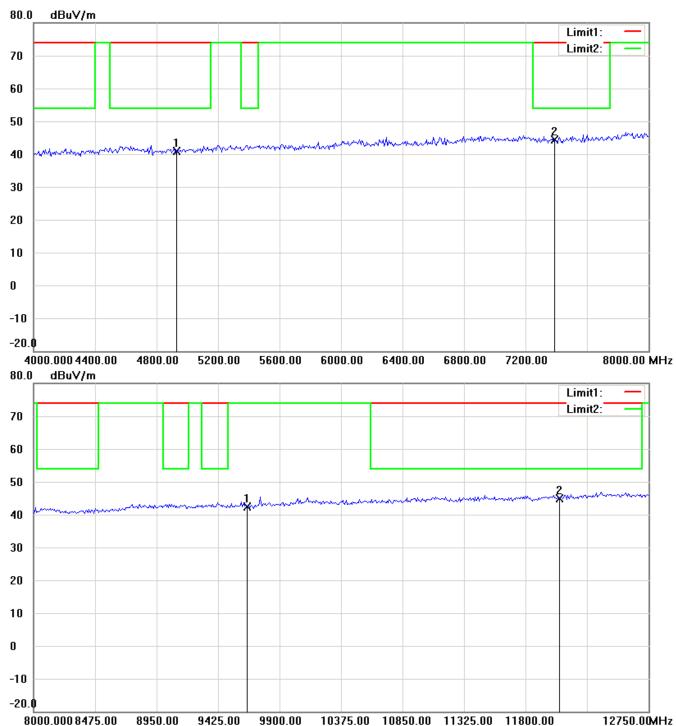


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FCC ID: UZI-PR30

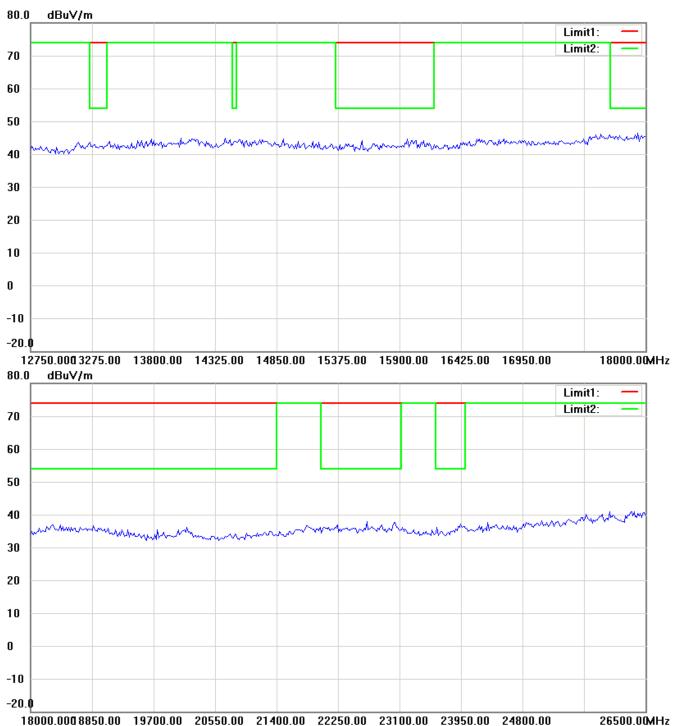


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