

**FCC PART 15 SUBPART C TEST REPORT**  
**for**  
**High Power Compact Wi-Fi Range Extender**  
**Model No.: REC10**  
**FCC ID: ZTT-REC10-2**

of

Applicant: **Amped Wireless**  
Address: **13089 Peyton Dr. #C307 Chino Hills California 91709**  
**United States**

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.: W6R21309-13524-C-1**

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.  
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## 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 its 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:

December 05, 2013	Rick Chen	<i>Rick Chen.</i>
Date	WTS-Lab. Name	Signature

#### Technical responsibility for area of testing:

December 05, 2013	Kevin Wang	<i>Kevin Wang</i>
Date	WTS Name	Signature



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## **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.)

3 meter semi-anechoic chamber

No.35, Aly. 21, Ln. 228, Ankang Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

TEL:886-2-6613-0228

FAX:886-2-2791-5046

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:	Amped Wireless
Street:	13089 Peyton Dr. #C307
Town:	Chino Hills California 91709
Country:	United States
Telephone:	(909) 217-3229
Fax:	(909) 580-8883



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## **1.4 Application details**

Date of receipt of test item: October 15, 2013

Date of test: from October 16, 2013 to December 03, 2013

## **1.5 General information of Test item**

Type of test item: High Power Compact Wi-Fi Range Extender

Model Number: REC10

Brand Name: amped wireless

Multi-listing model number: ./.

Photos: see Appendix

### **Technical data**

Frequency band: 2.4 GHz-2.4835 GHz

#### **11b, 11g, 11n 20MHz**

Frequency ( ch 1): 2.412 GHz

Frequency ( ch 6): 2.437 GHz

Frequency ( ch 11): 2.462 GHz

#### **11n 40MHz**

Frequency ( ch 1): 2.422 GHz

Frequency ( ch 4): 2.437 GHz

Frequency ( ch 7): 2.452 GHz

Number of Channels: 11b, 11g, 11n 20MHz: 11 channels

11n 40MHz: 7 channels

Operation modes: duplex

Modulation Type: DSSS / OFDM

Fixed point-to-point operation:  Yes /  No

Type of Antenna: Antenna A: Omni Antenna  
Antenna B: Multilayer Chip Antenna

Antenna gain: Antenna A: 2 dBi

Antenna B: 2.5 dBi

Directional gain: 5.26 dBi

According to KDB 662911, Unequal antenna gains, with equal transmit powers. For antenna gains given by  $G_1, G_2, \dots, G_N$  dBi. If transmit signals are correlated, then Directional gain  $= 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N]$  dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]



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Power supply: 100-240Vac, 50/60Hz, 2.0A

Emission designator: 802.11b: DSSS: 16M8G1D  
802.11g: OFDM: 17M0D1D  
802.11n 20MHz: OFDM: 18M3D1D  
802.11n 40MHz: OFDM: 38M4D1D

Host device: none

Classification :

Fixed Device	<input checked="" type="checkbox"/>
Mobile Device (Human Body distance > 20cm)	<input type="checkbox"/>
Portable Device (Human Body distance < 20cm)	<input type="checkbox"/>
Modular Radio Device	<input type="checkbox"/>

## Transmitter

## Unom

### **Antenna A**

#### **Mode A (802.11b)**

Power ( ch 1 or A): Conducted: 25.61 dBm  
Power ( ch 6 or B): Conducted: 25.73 dBm  
Power ( ch 11 or C): Conducted: 25.08 dBm

#### **Mode B (802.11g)**

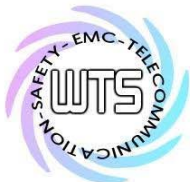
Power ( ch 1 or A): Conducted: 25.09 dBm  
Power ( ch 6 or B): Conducted: 25.23 dBm  
Power ( ch 11 or C): Conducted: 24.85 dBm

#### **Mode C (802.11n 20MHz)**

Power ( ch 1 or A): Conducted: 23.19 dBm  
Power ( ch 6 or B): Conducted: 23.21 dBm  
Power ( ch 11 or C): Conducted: 22.78 dBm

#### **Mode D (802.11n 40MHz)**

Power ( ch 1 or A): Conducted: 22.48 dBm  
Power ( ch 4 or B): Conducted: 22.49 dBm  
Power ( ch 7 or C): Conducted: 22.34 dBm



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## **Antenna B**

### **Mode A (802.11b)**

Power ( ch 1 or A): Conducted: 24.54 dBm

Power ( ch 6 or B): Conducted: 24.35 dBm

Power ( ch 11 or C): Conducted: 23.74 dBm

### **Mode B (802.11g)**

Power ( ch 1 or A): Conducted: 25.26 dBm

Power ( ch 6 or B): Conducted: 25.08 dBm

Power ( ch 11 or C): Conducted: 25.14 dBm

### **Mode C (802.11n 20MHz)**

Power ( ch 1 or A): Conducted: 22.74 dBm

Power ( ch 6 or B): Conducted: 22.68 dBm

Power ( ch 11 or C): Conducted: 22.04 dBm

### **Mode D (802.11n 40MHz)**

Power ( ch 1 or A): Conducted: 21.88 dBm

Power ( ch 4 or B): Conducted: 21.81 dBm

Power ( ch 7 or C): Conducted: 21.54 dBm

Combine	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	396.38	394.76	349.63	25.98	25.96	25.44
802.11n 40MHz	331.18	329.13	313.96	25.20	25.17	24.97

## **Manufacturer: (if applicable)**

Name: Loopcomm Technology, Ltd.  
Street: 6F,No.236,Bo'ai St.,Shulin Dist.,  
Town: New Taipei City 23845,  
Country: Taiwan,R.O.C.

## **1.6 Test standards**

Technical standard : FCC RULES PART 15 SUBPART C § 15.247 (2011-10)



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## **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: 100-240Vac, 50/60Hz, 2.0A  
Extreme conditions parameters: ./.





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## 2.3 Test Equipment List

No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2013/9/2	2014/9/1
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2012/12/21	2013/12/20
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2013/3/4	2014/3/3
ETSTW-CE 008	HF-EICHLITUNG RF STEP ATTENUATOR 139dB DPSP	334.6010.02	844581/024	R&S	Function Test	
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2013/7/10	2014/7/9
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2013/9/2	2014/9/1
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2013/9/2	2014/9/1
ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L	Function Test	
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0336	397	K&L	Function Test	
ETSTW-RE 018	MICROWAVE HORN ANTENNA	AT4560	27212	AR	2013/10/15	2014/10/14
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2013/7/3	2014/7/2
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	EMCO	2013/3/4	2014/3/3
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 049	TRILOG Super Broadband test Antenna	VULB 9160	9160-3185	Schwarzbeck	2013/3/21	2014/3/20
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2013/3/4	2014/3/3
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2013/3/4	2014/3/3
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2013/3/4	2014/3/3
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2013/5/31	2014/5/30
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2013/3/4	2014/3/3
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2013/11/27	2014/11/26
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	
ETSTW-RE 069	Double-Ridged Guide Horn Antenna	3117	00069377	EMCO	Function Test	
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	HP	2013/10/7	2014/10/6
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2013/10/11	2014/10/10
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2013/3/4	2014/3/3
ETSTW-RE 106	Humidity Temperature Meter	TES-1366	091011113	TES	2013/11/27	2014/11/26
ETSTW-RE 111	TRILOG Super Broadband test Antenna	VULB 9160	9160-3309	Schwarz beck	2012/12/13	2013/12/12
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	None	T-Power	Function test	
ETSTW-RE 115	2.4GHz Notch Filter	N0124411	473874	MICROWAVE CIRCUITS	2013/1/11	2014/1/10
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Function test	
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2013/6/28	2014/6/27



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ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2013/8/16	2014/8/15
ETSTW-RE 126	5GHz Notch filter	5NSL11-5800/E221.3-O/O	1	K&L Microwave	2013/8/16	2014/8/15
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2013/3/4	2014/3/3
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2013/8/13	2014/8/12
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2013/8/13	2014/8/12
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2013/10/7	2014/10/6
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI	2013/1/11	2014/1/10
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2013/1/11	2014/1/10
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2013/1/11	2014/1/10
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2013/1/11	2014/1/10
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2013/9/18	2014/9/17
ETSTW-Cable 010	BNC Cable	5 M BNC Cable	None	JYE BAO CO.,LTD.	2013/3/4	2014/3/3
ETSTW-Cable 011	BNC Cable	BNC Cable 1	None	JYE BAO CO.,LTD.	Pre-test Use NCR	
ETSTW-Cable 012	N TYPE To SMA Cable	Cable 012	None	JYE BAO CO.,LTD.	2013/3/4	2014/3/3
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2013/3/4	2014/3/3
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2013/3/4	2014/3/3
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2013/3/4	2014/3/3
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2013/3/4	2014/3/3
ETSTW-Cable 022	N TYPE Cable	5006	0002	JYE BAO CO.,LTD.	2013/3/26	2014/3/25
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2013/3/4	2014/3/3
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2013/3/4	2014/3/3
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2013/10/11	2014/10/10
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2013/10/11	2014/10/10
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2013/3/4	2014/3/3
ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104 (S_Cable 10)	238092	HUBER+SUHNER	2013/11/27	2014/11/26
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2013/11/27	2014/11/26
ETSTW-Cable 047	Microwave Cable	SUCOFLEX 104	325518	HUBER+SUHNER	2013/11/27	2014/11/26
ETSTW-Cable 053	N TYPE To SMA Cable	RG142	None	JYE BAO CO.,LTD.	2013/3/26	2014/3/25
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2013/6/20	2014/6/19
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1	



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## **2.4 General Test Procedure**

**POWER LINE CONDUCTED INTERFERENCE:** The procedure used was ANSI STANDARD C63.4-2009 5.2 using a 50 $\mu$ H 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 C63.4-2009 6.4 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  
33                20 dB $\mu$ V + 10.36 dB + 6 dB = 36.36 dB $\mu$ V/m @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 C63.4-2009 6.3.1. 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.

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.



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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 =  $20 \log(\text{dwell time}/T)$

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

ANSI STANDARD C63.4-2009 10.2.7: Any measurements that utilize special test software shall be indicated and referenced in the test report. During testing, test software 'EZ EMC' was used for setting up different operation modes.



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**3 Test results (enclosure)**

TEST CASE	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(b)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equivalent isotropically radiated Power	15.247(b)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spurious Emissions radiated – Transmitter operating	15.247(c): 15.209	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Band Edge Measurement	15.247(d)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Minimum 6 dB Bandwidth	15.247(a)(2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Peak Power Spectral Density	15.247(e)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiated Emission from Digital Part	15.109	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Power Line Conducted Emission	15.207	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Note:**

1. This EUT incorporates a MIMO function with IEEE 802.11b, 802.11g, and 802.11n. Physically, this EUT includes two transmitters and two receivers with two incoherent streams. This device uses multiplexing and also employ cyclic delay diversity to improve range and throughput, and this device simultaneously operates on two adjacent channels.
2. This EUT is 2\*2 spatial MIMO (2Tx&2Rx) without beam forming function. That operates dual chain configuration. The Pre-test was performed to determine the worst case mode from all possible combinations between all available modulations, data rates, bandwidths, and spatial stream modes.



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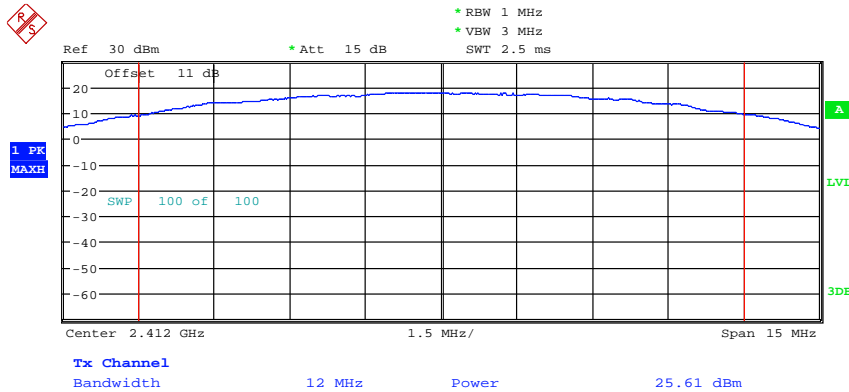
### 3.1 Peak Output Power (transmitter)

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).

Antenna A  
Mode A

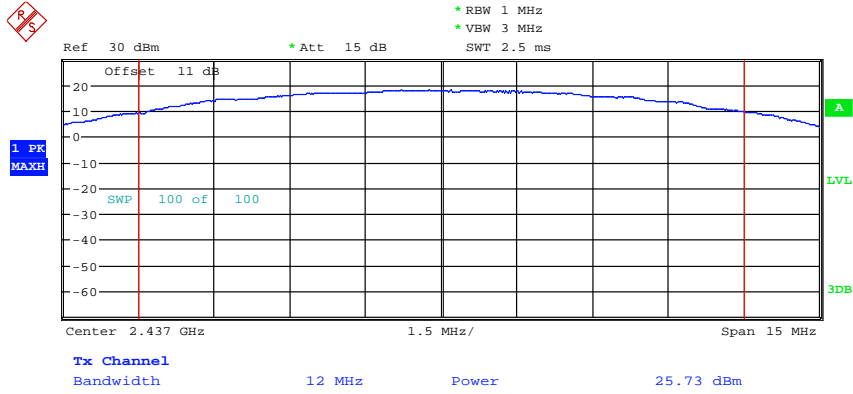


MAX OUTPUT POWER 802.11B CH01  
Date: 6.NOV.2013 18:25:13

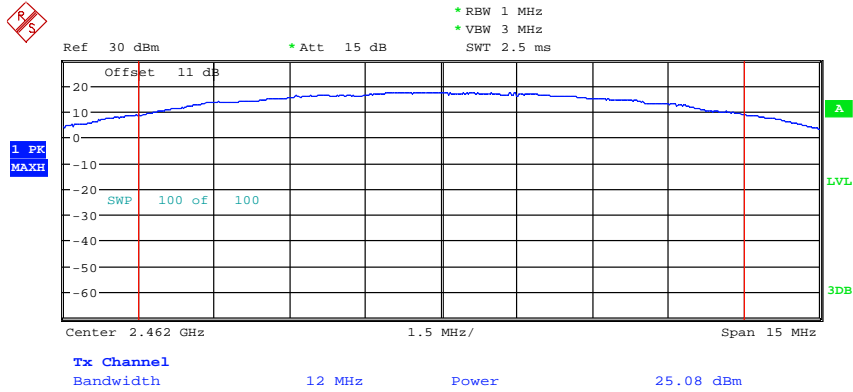


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



MAX OUTPUT POWER 802.11B CH06  
Date: 6.NOV.2013 18:26:37



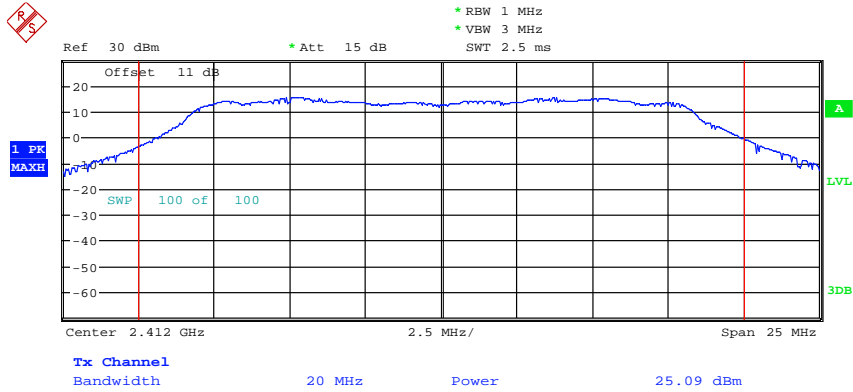
MAX OUTPUT POWER 802.11B CH11  
Date: 6.NOV.2013 18:30:54



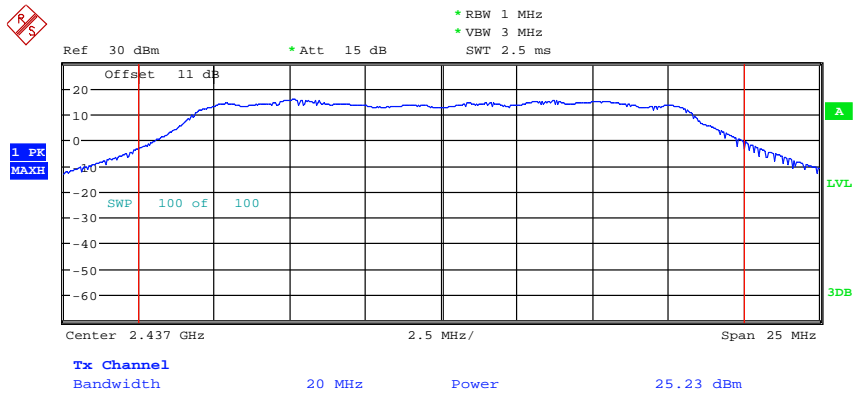
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Mode B



MAX OUTPUT POWER 802.11G CH01  
Date: 6.NOV.2013 18:31:57

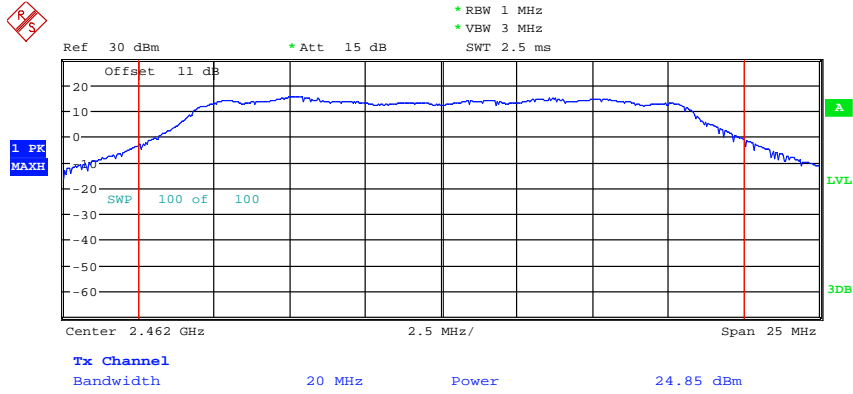


MAX OUTPUT POWER 802.11G CH06  
Date: 6.NOV.2013 18:32:42



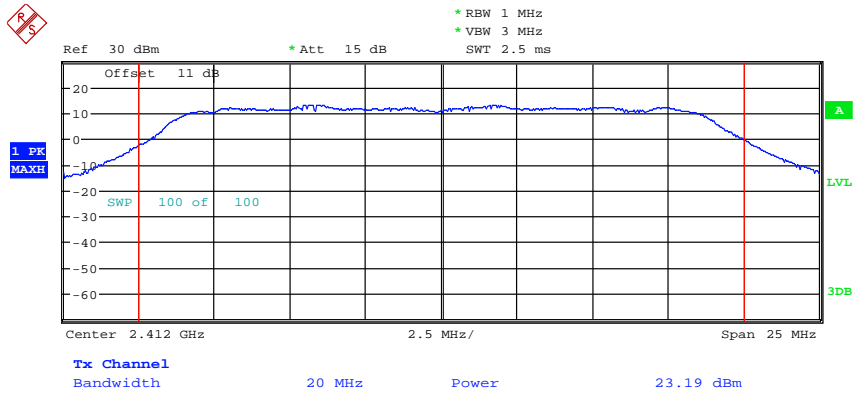


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



MAX OUTPUT POWER 802.11G CH11  
Date: 6.NOV.2013 18:33:23

## Mode C

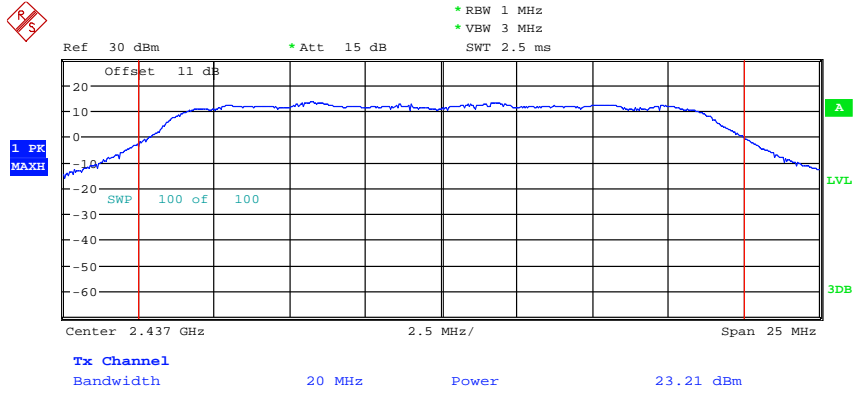


MAX OUTPUT POWER 802.11N 20MHZ CH01  
Date: 6.NOV.2013 18:34:20

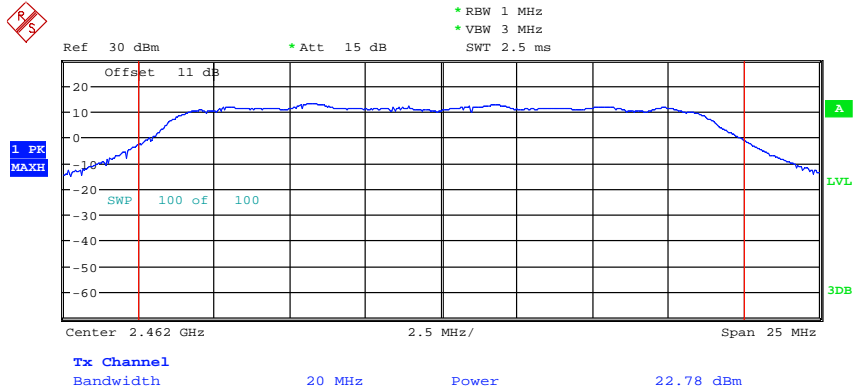


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



MAX OUTPUT POWER 802.11N 20MHZ CH06  
Date: 6.NOV.2013 18:34:59



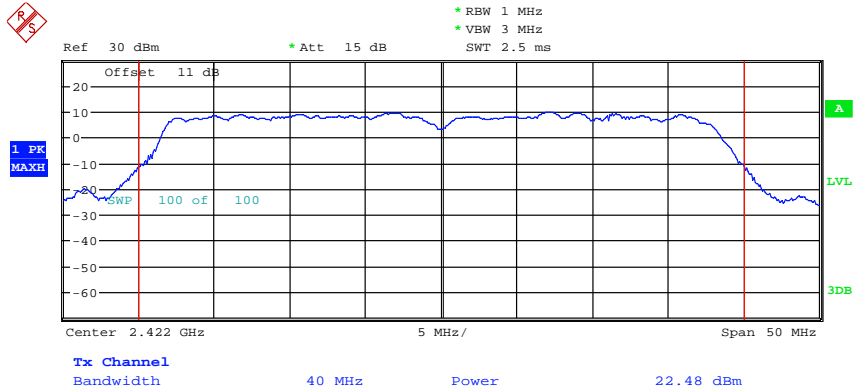
MAX OUTPUT POWER 802.11N 20MHZ CH11  
Date: 6.NOV.2013 18:35:33



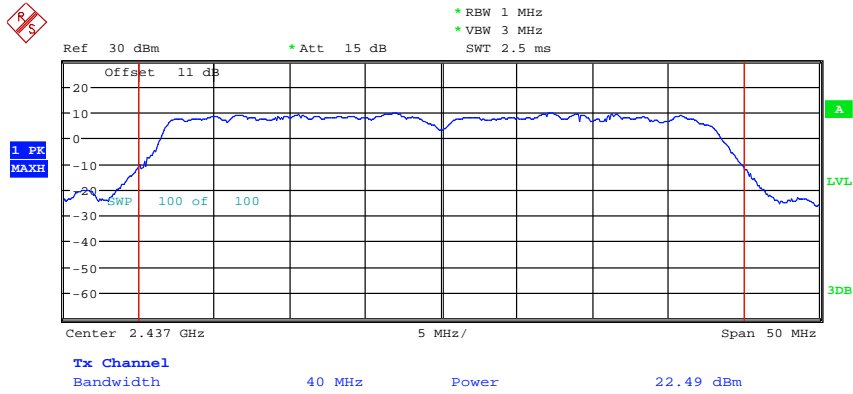
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Mode D



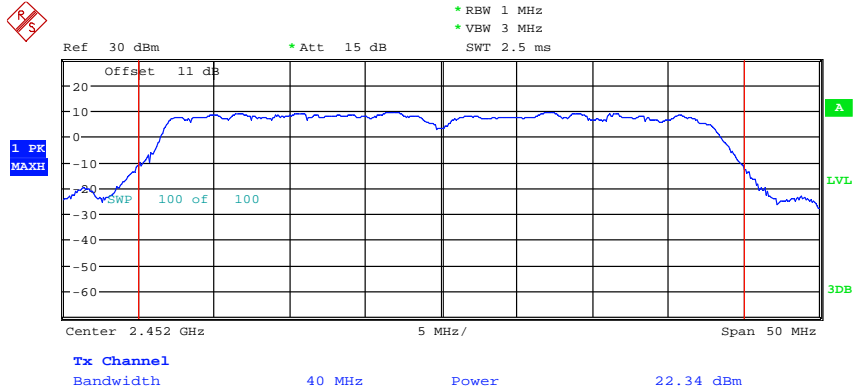
MAX OUTPUT POWER 802.11N 40MHZ CH01  
Date: 6.NOV.2013 18:36:26



MAX OUTPUT POWER 802.11N 40MHZ CH04  
Date: 6.NOV.2013 18:37:09

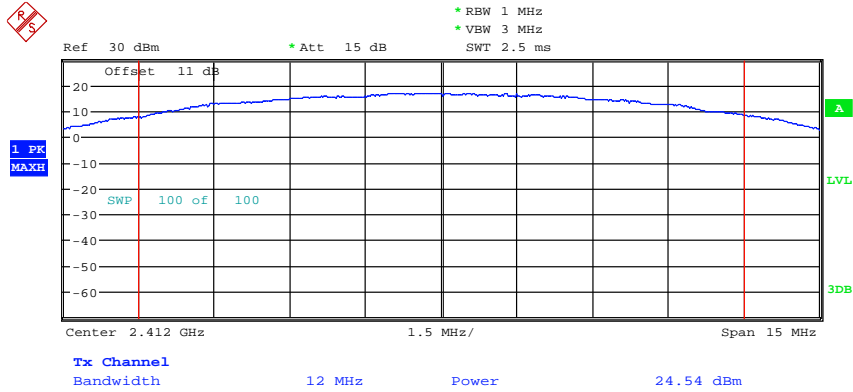


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



MAX OUTPUT POWER 802.11N 40MHZ CH07  
Date: 6.NOV.2013 18:37:47

## Antenna B Mode A

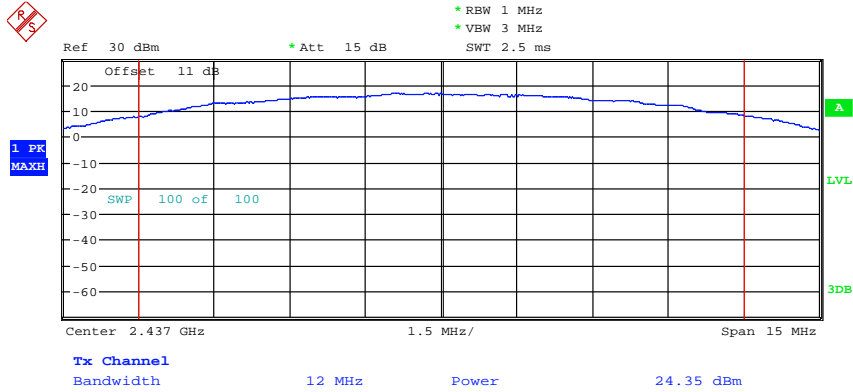


MAX OUTPUT POWER 802.11B CH01  
Date: 6.NOV.2013 18:44:29

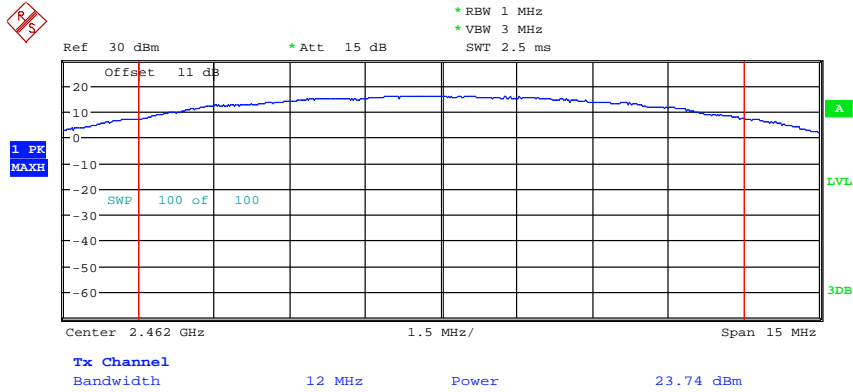


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



MAX OUTPUT POWER 802.11B CH06  
Date: 6.NOV.2013 18:45:12

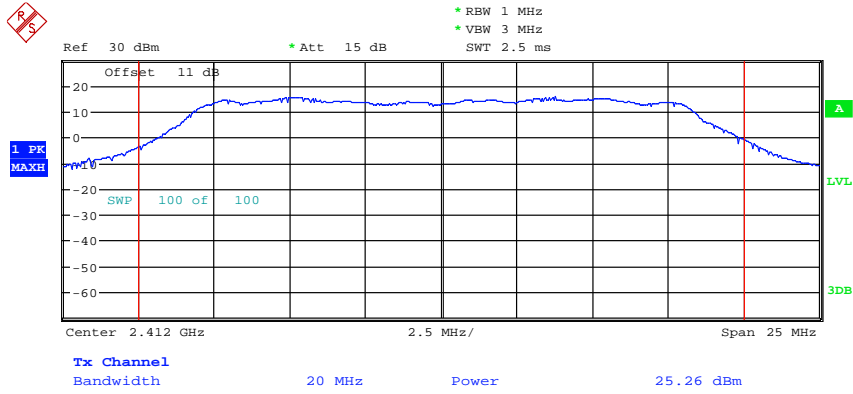


MAX OUTPUT POWER 802.11B CH11  
Date: 6.NOV.2013 18:45:45

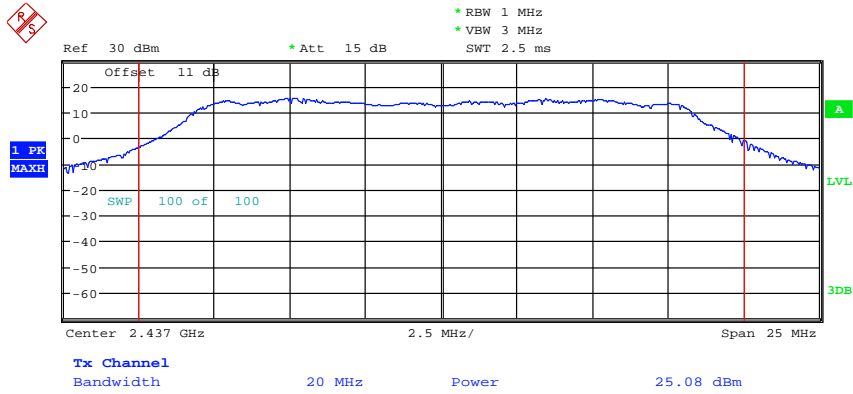


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Mode B



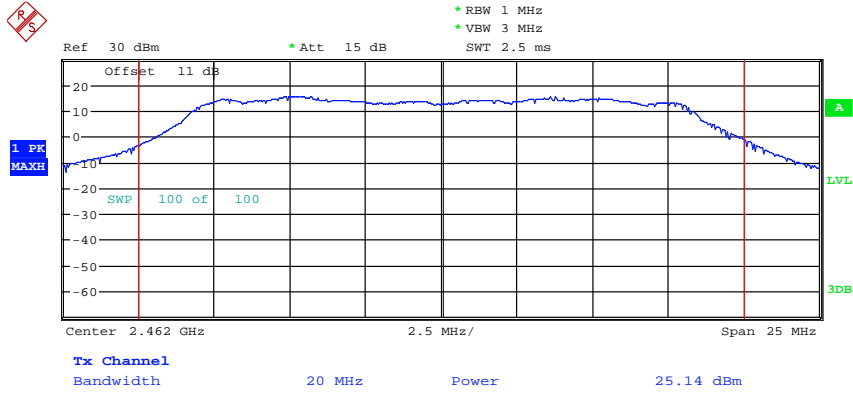
MAX OUTPUT POWER 802.11G CH01  
Date: 6.NOV.2013 18:46:41



MAX OUTPUT POWER 802.11G CH06  
Date: 6.NOV.2013 18:47:34

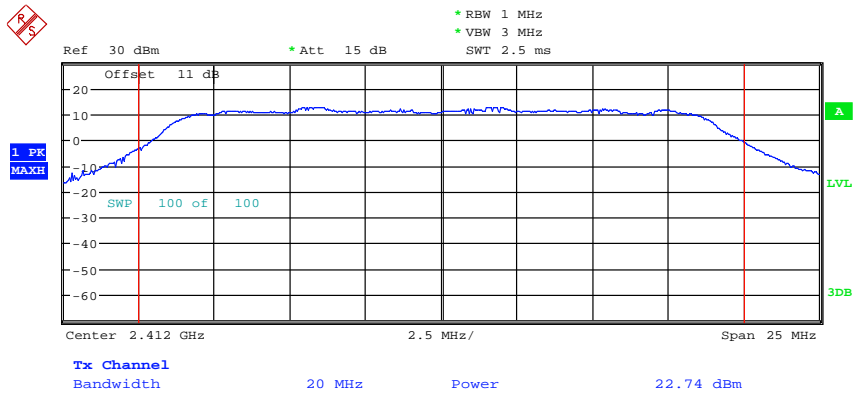


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



MAX OUTPUT POWER 802.11G CH11  
Date: 6.NOV.2013 18:48:18

## Mode C

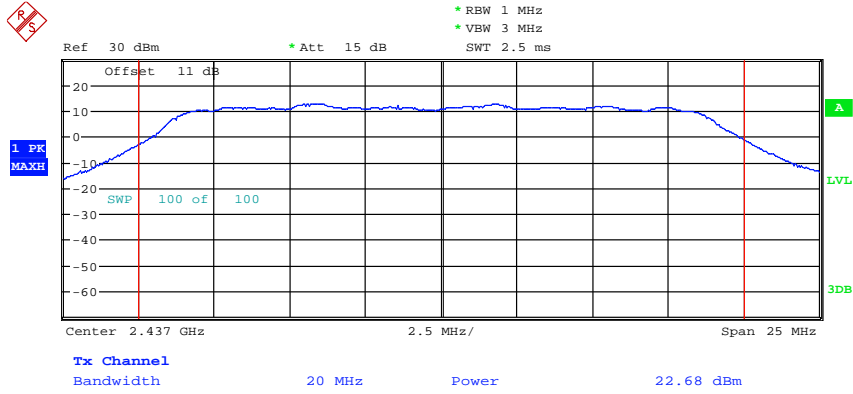


MAX OUTPUT POWER 802.11N 20MHZ CH01  
Date: 6.NOV.2013 18:49:10

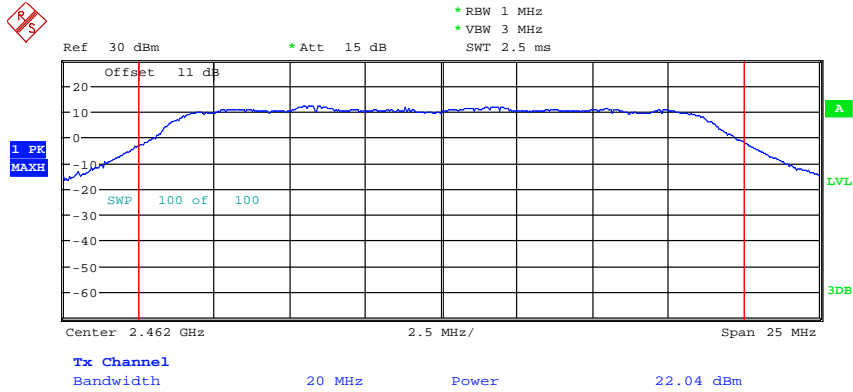


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



MAX OUTPUT POWER 802.11N 20MHZ CH06  
Date: 6.NOV.2013 18:49:48



MAX OUTPUT POWER 802.11N 20MHZ CH11  
Date: 6.NOV.2013 18:50:22

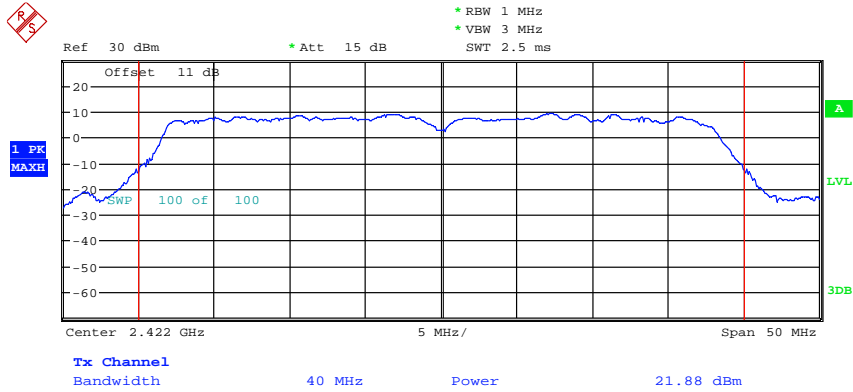




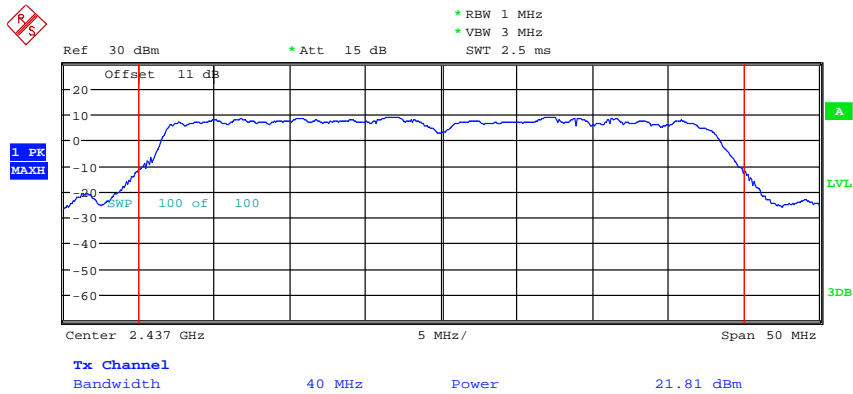
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Mode D



MAX OUTPUT POWER 802.11N 40MHZ CH01  
Date: 6.NOV.2013 18:51:14

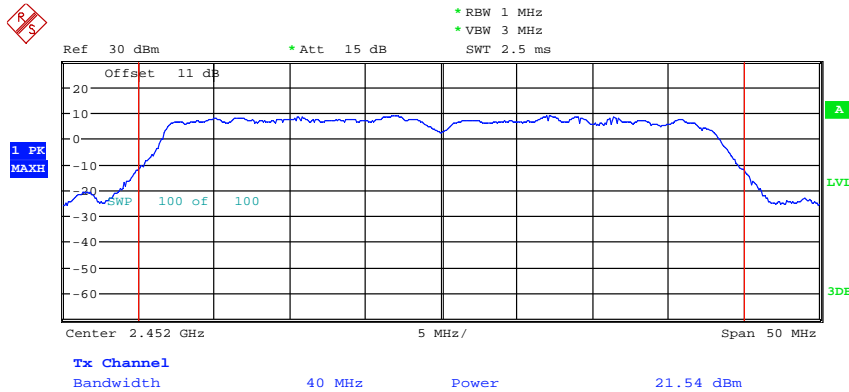


MAX OUTPUT POWER 802.11N 40MHZ CH04  
Date: 6.NOV.2013 18:51:54



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2



MAX OUTPUT POWER 802.11N 40MHZ CH07  
 Date: 6.NOV.2013 18:52:32

Antenna A	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	208.45	209.41	189.67	23.19	23.21	22.78
802.11n 40MHz	177.01	177.42	171.40	22.48	22.49	22.34
Antenna B	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	187.93	185.35	159.96	22.74	22.68	22.04
802.11n 40MHz	154.17	151.71	142.56	21.88	21.81	21.54
Combine	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	396.38	394.76	349.63	25.98	25.96	25.44
802.11n 40MHz	331.18	329.13	313.96	25.20	25.17	24.97

Limits:

Frequency MHz	Power 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, ETSTW-RE 050



Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

**3.2 Equivalent isotropic radiated power**

FCC Rule: 15.247(b)(3)  
 EIRP = max. conducted output power + antenna gain

802.11b/g  
 EIRP = 25.73 dBm + 5.26 dBi  
 = 30.99 dBm  
 802.11n(20MHz), 802.11n(40MHz)  
 EIRP = 25.98 dBm + 5.26 dBi  
 = 31.24 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.

$$S = \frac{PG}{4 \pi R^2}$$

- S – Power Density
- P – Output power ERP
- R – Distance
- D – Cable Loss
- AG – Antenna Gain

802.11b/g

Item	Unit	Value	Remarks
P	mW	374.1106	Peak value
D	dB		
AG	dBi	5.26	
G		3.3574	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.2499	Calculated value

802.11n(20MHz), 802.11n(40MHz)

Item	Unit	Value	Remarks
P	mW	396.38	Peak value
D	dB		
AG	dBi	5.26	
G		3.3574	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.2648	Calculated value

Limits:

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



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

**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  $\leq$  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 (MHz)	Field strength (microvolts/meter)	Field Strength (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 =  $20 \log (\text{dwell time}/ 100\text{ms})$

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

Explanation: see attached diagrams in Appendix.



Registration number: W6R21309-13524-C-1

FCC ID: ZTT-REC10-2

## **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 =  $20 \log (\text{dwell time}/100\text{ms})$

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



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

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 Antenna A

Model: REC10 Date: 2013/11/02-2013/11/04  
 Mode: 802.11b CH1 Temperature: 24 °C Engineer: Roy  
 Polarization: Horizontal Humidity: 60 %

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
208.8377	30.74	QP	12.14	42.88	43.50	-0.62	165	100
729.7996	21.13	QP	24.31	45.44	46.00	-0.56	30	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4817.6350	45.68	---	0.48	46.16	---	74.00	54.00	-27.84	55	100
7238.4770	43.66	---	4.07	47.73	---	74.00	54.00	-26.27	130	100
9648.0020	51.16	44.33	9.16	60.32	53.49	74.00	54.00	-0.51	80	100
12060.0000	34.06	---	13.89	47.95	---	74.00	54.00	-26.05	125	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
208.8377	30.40	QP	12.14	42.54	43.50	-0.96	65	100
521.8035	24.73	QP	20.67	45.40	46.00	-0.60	105	100



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
2599.1980	54.38	47.16	-3.16	51.22	44.00	74.00	54.00	-10.00	130	100
4823.8930	54.92	49.21	0.49	55.41	49.70	74.00	54.00	-4.30	127	100
7238.4770	44.44	---	4.07	48.51	---	74.00	54.00	-25.49	155	100
9648.0470	52.72	44.26	9.16	61.88	53.42	74.00	54.00	-0.58	117	100
12060.0000	33.55	---	13.89	47.44	---	74.00	54.00	-26.56	185	100

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)
259.3788	30.91	QP	14.19	45.10	46.00	-0.90	315	100
311.8636	29.40	QP	15.87	45.27	46.00	-0.73	75	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4873.7480	50.70	---	0.61	51.31	---	74.00	54.00	-22.69	185	100
7310.6210	42.54	---	4.20	46.74	---	74.00	54.00	-27.26	110	100
9748.0260	52.57	44.06	9.51	62.08	53.57	74.00	54.00	-0.43	80	100
12185.0000	34.66	---	14.83	49.49	---	74.00	54.00	-24.51	125	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
156.3527	27.70	QP	15.05	42.75	43.50	-0.75	190	100
364.3487	28.16	QP	17.31	45.47	46.00	-0.53	305	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4873.9540	55.19	47.79	0.61	55.80	48.40	74.00	54.00	-5.60	127	100
7310.6210	44.79	---	4.20	48.99	---	74.00	54.00	-25.01	135	100
9747.9540	50.39	43.98	9.51	59.90	53.49	74.00	54.00	-0.51	73	100
12185.0000	33.42	---	14.83	48.25	---	74.00	54.00	-25.75	140	100



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

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)
208.8377	30.51	QP	12.14	42.65	43.50	-0.85	35	100
259.3788	31.30	QP	14.19	45.49	46.00	-0.51	260	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4921.8440	47.35	---	0.83	48.18	---	74.00	54.00	-25.82	155	100
7386.0000	41.52	---	4.43	45.95	---	74.00	54.00	-28.05	90	100
9847.9980	51.64	43.79	9.76	61.40	53.55	74.00	54.00	-0.45	68	100
12321.6430	36.01	---	14.27	50.28	---	74.00	54.00	-23.72	175	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	31.13	QP	11.55	42.68	43.50	-0.82	325	100
259.3788	31.19	QP	14.19	45.38	46.00	-0.62	90	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4923.9580	54.83	47.22	0.84	55.67	48.06	74.00	54.00	-5.96	127	100
7390.7820	43.69	---	4.44	48.13	---	74.00	54.00	-25.87	255	100
9847.9820	50.57	43.76	9.76	60.33	53.52	74.00	54.00	-0.48	119	100
12310.0000	33.53	---	14.12	47.65	---	74.00	54.00	-26.35	170	100

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)
103.8676	31.17	QP	11.55	42.72	43.50	-0.78	195	100
208.8377	30.69	QP	12.14	42.83	43.50	-0.67	60	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4825.6510	47.14	---	0.50	47.64	---	74.00	54.00	-26.36	90	100
7236.0000	41.70	---	4.06	45.76	---	74.00	54.00	-28.24	185	100
9648.0000	35.44	---	9.16	44.60	---	74.00	54.00	-29.40	115	100
12060.0000	35.47	---	13.89	49.36	---	74.00	54.00	-24.64	170	100





# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	31.27	QP	11.55	42.82	43.50	-0.68	95	100
208.8377	30.63	QP	12.14	42.77	43.50	-0.73	305	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4825.6510	50.23	---	0.50	50.73	---	74.00	54.00	-23.27	55	100
7238.4770	47.16	---	4.07	51.23	---	74.00	54.00	-22.77	130	100
9656.3130	41.81	---	9.17	50.98	---	74.00	54.00	-23.02	170	100
12064.6290	37.63	---	13.93	51.56	---	74.00	54.00	-22.44	85	100

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)
208.8377	30.79	QP	12.14	42.93	43.50	-0.57	240	100
259.3788	31.03	QP	14.19	45.22	46.00	-0.78	115	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4881.7640	46.23	---	0.63	46.86	---	74.00	54.00	-27.14	130	100
7311.0000	40.42	---	4.20	44.62	---	74.00	54.00	-29.38	175	100
9748.0000	35.89	---	9.51	45.40	---	74.00	54.00	-28.60	235	100
12185.0000	33.24	---	14.83	48.07	---	74.00	54.00	-25.93	140	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8676	31.24	QP	11.55	42.79	43.50	-0.71	185	100
208.8377	30.41	QP	12.14	42.55	43.50	-0.95	40	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
5254.7700	54.66	43.72	1.83	56.49	45.55	74.00	54.00	-8.45	0	100
7310.6210	42.70	---	4.20	46.90	---	74.00	54.00	-27.10	150	100
9748.0000	35.28	---	9.51	44.79	---	74.00	54.00	-29.21	190	100
12185.0000	34.65	---	14.83	49.48	---	74.00	54.00	-24.52	125	100



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

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)
208.8377	30.83	QP	12.14	42.97	43.50	-0.53	275	100
259.3788	31.20	QP	14.19	45.39	46.00	-0.61	205	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4929.8600	47.57	---	0.88	48.45	---	74.00	54.00	-25.55	210	100
7390.7820	44.04	---	4.44	48.48	---	74.00	54.00	-25.52	130	100
9848.0000	35.39	---	9.76	45.15	---	74.00	54.00	-28.85	75	100
12310.0000	34.72	---	14.12	48.84	---	74.00	54.00	-25.16	170	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	31.26	QP	11.55	42.81	43.50	-0.69	200	100
206.8938	30.50	QP	12.20	42.70	43.50	-0.80	85	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4929.8600	49.32	---	0.88	50.20	---	74.00	54.00	-23.80	120	100
7390.7820	46.24	---	4.44	50.68	---	74.00	54.00	-23.32	185	100
9848.0000	35.78	---	9.76	45.54	---	74.00	54.00	-28.46	95	100
12310.0000	34.09	---	14.12	48.21	---	74.00	54.00	-25.79	130	100

## Antenna B

Mode: 802.11b CH1  
Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
259.3788	31.08	QP	14.37	45.45	46.00	-0.55	50	100
364.3487	27.85	QP	17.50	45.35	46.00	-0.65	140	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4823.8770	61.17	51.73	0.49	61.66	52.22	74.00	54.00	-1.78	175	100
7238.4770	49.64	47.35	4.07	53.71	51.42	74.00	54.00	-2.58	85	100
9646.7940	42.62	---	9.16	51.78	---	74.00	54.00	-22.22	140	100
12083.6670	34.05	---	14.11	48.16	---	74.00	54.00	-25.84	155	100



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
208.8377	30.53	QP	12.29	42.82	43.50	-0.68	305	100
311.8637	29.04	QP	16.22	45.26	46.00	-0.74	95	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4823.6690	63.80	53.12	0.49	64.29	53.61	74.00	54.00	-0.39	137	100
7238.4770	55.86	49.16	4.07	59.93	53.23	74.00	54.00	-0.77	125	100
9647.9610	54.37	44.19	9.16	63.53	53.35	74.00	54.00	-0.65	80	100
12064.6290	38.23	---	13.93	52.16	---	74.00	54.00	-21.84	175	100

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)
259.3788	31.16	QP	14.19	45.35	46.00	-0.65	220	100
677.3146	21.98	QP	23.46	45.44	46.00	-0.56	45	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4873.6500	64.70	52.26	0.61	65.31	52.87	74.00	54.00	-1.13	164	100
7318.6370	45.73	---	4.23	49.96	---	74.00	54.00	-24.04	170	100
9741.9840	39.36	---	9.47	48.83	---	74.00	54.00	-25.17	175	100
12185.0000	33.87	---	14.83	48.70	---	74.00	54.00	-25.30	130	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	31.08	QP	11.55	42.63	43.50	-0.87	115	100
208.8377	30.78	QP	12.14	42.92	43.50	-0.58	285	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4873.6660	63.32	52.79	0.61	63.93	53.40	74.00	54.00	-0.60	125	100
7310.6210	51.21	47.34	4.20	55.41	51.54	74.00	54.00	-2.46	255	100
9748.0020	50.54	44.01	9.51	60.05	53.52	74.00	54.00	-0.48	77	100
12185.0000	33.85	---	14.83	48.68	---	74.00	54.00	-25.32	135	100



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

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)
103.8676	31.01	QP	11.55	42.56	43.50	-0.94	200	100
677.3146	21.88	QP	23.46	45.34	46.00	-0.66	55	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4923.5980	62.61	50.48	0.84	63.45	51.32	74.00	54.00	-2.68	163	100
7390.7820	44.32	---	4.44	48.76	---	74.00	54.00	-25.24	90	100
9848.0000	36.00	---	9.76	45.76	---	74.00	54.00	-28.24	135	100
12310.0000	34.35	---	14.12	48.47	---	74.00	54.00	-25.53	70	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
156.3527	27.68	QP	15.05	42.73	43.50	-0.77	185	100
208.8377	30.80	QP	12.14	42.94	43.50	-0.56	40	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4923.7020	63.22	52.75	0.84	64.06	53.59	74.00	54.00	-0.41	125	100
7385.3310	49.96	46.33	4.43	54.39	50.76	74.00	54.00	-3.24	118	100
9848.0780	44.64	40.07	9.76	54.40	49.83	74.00	54.00	-4.17	180	100
12310.0000	34.99	---	14.12	49.11	---	74.00	54.00	-24.89	130	100

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)
311.8636	29.17	QP	15.87	45.04	46.00	-0.96	75	100
364.3487	28.08	QP	17.31	45.39	46.00	-0.61	200	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4825.1700	53.20	44.92	0.50	53.70	45.42	74.00	54.00	-8.58	160	100
7238.4770	46.24	---	4.07	50.31	---	74.00	54.00	-23.69	75	100
9648.0000	35.07	---	9.16	44.23	---	74.00	54.00	-29.77	85	100
12060.0000	34.31	---	13.89	48.20	---	74.00	54.00	-25.80	130	100



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	31.02	QP	11.55	42.57	43.50	-0.93	225	100
206.8938	30.59	QP	12.20	42.79	43.50	-0.71	70	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4823.1460	57.68	48.58	0.49	58.17	49.07	74.00	54.00	-4.93	125	100
7238.4770	49.93	43.65	4.07	54.00	47.72	74.00	54.00	-6.28	75	100
9648.0000	36.20	---	9.16	45.36	---	74.00	54.00	-28.64	185	100
12060.0000	34.81	---	13.89	48.70	---	74.00	54.00	-25.30	130	100

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)
259.3788	30.99	QP	14.19	45.18	46.00	-0.82	170	100
364.3487	28.09	QP	17.31	45.40	46.00	-0.60	325	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4872.7660	54.11	47.58	0.61	54.72	48.19	74.00	54.00	-5.81	175	100
7310.6210	45.31	---	4.20	49.51	---	74.00	54.00	-24.49	240	100
9748.0000	35.31	---	9.51	44.82	---	74.00	54.00	-29.18	135	100
12185.0000	33.80	---	14.83	48.63	---	74.00	54.00	-25.37	80	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	30.98	QP	11.55	42.53	43.50	-0.97	225	100
208.8377	30.53	QP	12.14	42.67	43.50	-0.83	130	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4873.1270	58.52	49.14	0.61	59.13	49.75	74.00	54.00	-4.25	125	100
7310.6210	46.77	45.33	4.20	50.97	49.53	74.00	54.00	-4.47	75	100
9748.0000	36.04	---	9.51	45.55	---	74.00	54.00	-28.45	215	100
12185.0000	33.82	---	14.83	48.65	---	74.00	54.00	-25.35	170	100



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

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)
259.3788	31.24	QP	14.19	45.43	46.00	-0.57	270	100
311.8636	29.15	QP	15.87	45.02	46.00	-0.98	110	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4923.0060	54.17	45.97	0.84	55.01	46.81	74.00	54.00	-7.19	165	100
7386.0000	41.75	---	4.43	46.18	---	74.00	54.00	-27.82	85	100
9848.0000	35.39	---	9.76	45.15	---	74.00	54.00	-28.85	125	100
12310.0000	34.40	---	14.12	48.52	---	74.00	54.00	-25.48	70	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	31.01	QP	11.55	42.56	43.50	-0.94	315	100
206.8938	30.54	QP	12.20	42.74	43.50	-0.76	160	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4923.8280	60.01	50.24	0.84	60.85	51.08	74.00	54.00	-2.92	123	100
7390.7820	44.79	41.68	4.44	49.23	46.12	74.00	54.00	-7.88	76	100
9848.0000	35.74	---	9.76	45.50	---	74.00	54.00	-28.50	215	100
12310.0000	34.91	---	14.12	49.03	---	74.00	54.00	-24.97	170	100

## Antenna A + Antenna B

Mode: 802.11n 20MHz CH1  
 Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
208.8377	30.79	QP	12.14	42.93	43.50	-0.57	225	100
259.3788	31.21	QP	14.19	45.40	46.00	-0.60	60	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4825.6510	46.62	---	0.50	47.12	---	74.00	54.00	-26.88	95	100
7230.4610	45.09	---	4.05	49.14	---	74.00	54.00	-24.86	130	100
9646.7940	36.57	---	9.16	45.73	---	74.00	54.00	-28.27	235	100
12060.0000	34.51	---	13.89	48.40	---	74.00	54.00	-25.60	170	100



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	31.05	QP	11.55	42.60	43.50	-0.90	150	100
208.8377	30.57	QP	12.14	42.71	43.50	-0.79	275	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
2599.1980	56.06	47.36	-3.16	52.90	44.20	74.00	54.00	-9.80	155	100
4825.6510	57.86	52.76	0.50	58.36	53.26	74.00	54.00	-0.74	185	100
7238.4770	44.63	---	4.07	48.70	---	74.00	54.00	-25.30	120	100
9648.0000	36.53	---	9.16	45.69	---	74.00	54.00	-28.31	175	100
12060.0000	34.41	---	13.89	48.30	---	74.00	54.00	-25.70	90	100

Mode: 802.11n 20MHz CH6  
 Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
208.8377	30.71	QP	12.14	42.85	43.50	-0.65	140	100
259.3788	30.83	QP	14.19	45.02	46.00	-0.98	300	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4889.7800	45.95	---	0.65	46.60	---	74.00	54.00	-27.40	85	100
7334.6690	43.67	---	4.27	47.94	---	74.00	54.00	-26.06	130	100
9748.0000	34.57	---	9.51	44.08	---	74.00	54.00	-29.92	75	100
12185.0000	33.21	---	14.83	48.04	---	74.00	54.00	-25.96	140	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	31.43	QP	11.55	42.98	43.50	-0.52	335	100
208.8377	30.71	QP	12.14	42.85	43.50	-0.65	105	100



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1

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Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
2599.1980	56.55	47.19	-3.16	53.39	44.03	74.00	54.00	-9.97	180	100
4881.7640	52.67	50.97	0.63	53.30	51.60	74.00	54.00	-2.40	165	100
7326.6530	45.43	---	4.25	49.68	---	74.00	54.00	-24.32	80	100
9761.0220	39.31	---	9.59	48.90	---	74.00	54.00	-25.10	145	100
12185.0000	32.21	---	14.83	47.04	---	74.00	54.00	-26.96	90	100

Mode: 802.11n 20MHz CH11

Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
208.8377	30.59	QP	12.14	42.73	43.50	-0.77	110	100
364.3487	27.71	QP	17.31	45.02	46.00	-0.98	240	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4921.8440	46.23	---	0.83	47.06	---	74.00	54.00	-26.94	85	100
7382.7660	43.25	---	4.42	47.67	---	74.00	54.00	-26.33	135	100
9856.2120	41.15	---	9.74	50.89	---	74.00	54.00	-23.11	95	100
12310.0000	34.18	---	14.12	48.30	---	74.00	54.00	-25.70	170	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	30.95	QP	11.55	42.50	43.50	-1.00	270	100
206.8938	30.44	QP	12.20	42.64	43.50	-0.86	150	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4921.8440	59.38	52.36	0.83	60.21	53.19	74.00	54.00	-0.81	135	100
7382.7660	46.61	---	4.42	51.03	---	74.00	54.00	-22.97	110	100
9848.0000	35.42	---	9.76	45.18	---	74.00	54.00	-28.82	205	100
12310.0000	35.23	---	14.12	49.35	---	74.00	54.00	-24.65	120	100





# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

Mode: 802.11n 40MHz CH1  
 Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
208.8377	30.82	QP	12.14	42.96	43.50	-0.54	305	100
259.3788	30.94	QP	14.19	45.13	46.00	-0.87	75	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4841.6830	55.30	51.30	0.54	55.84	51.84	74.00	54.00	-2.16	255	100
7262.5250	45.31	---	4.11	49.42	---	74.00	54.00	-24.58	160	100
9688.0000	36.51	---	9.19	45.70	---	74.00	54.00	-28.30	140	100
12110.0000	33.43	---	14.34	47.77	---	74.00	54.00	-26.23	165	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	30.99	QP	11.55	42.54	43.50	-0.96	230	100
208.8377	30.54	QP	12.14	42.68	43.50	-0.82	40	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4841.6830	60.38	53.10	0.54	60.92	53.64	74.00	54.00	-0.36	165	100
7266.0000	46.45	---	4.11	50.56	---	74.00	54.00	-23.44	90	100
9688.0000	35.06	---	9.19	44.25	---	74.00	54.00	-29.75	235	100
12110.0000	33.22	---	14.34	47.56	---	74.00	54.00	-26.44	170	100

Mode: 802.11n 40MHz CH4  
 Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
261.3226	30.84	QP	14.27	45.11	46.00	-0.89	250	100
311.8637	29.37	QP	15.87	45.24	46.00	-0.76	30	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4874.0000	50.49	---	0.61	51.10	---	74.00	54.00	-22.90	175	100
7311.0000	42.68	---	4.20	46.88	---	74.00	54.00	-27.12	80	100
9748.0000	35.25	---	9.51	44.76	---	74.00	54.00	-29.24	225	100
12185.0000	32.64	---	14.83	47.47	---	74.00	54.00	-26.53	140	100



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	31.37	QP	11.55	42.92	43.50	-0.58	225	100
208.8377	30.74	QP	12.14	42.88	43.50	-0.62	45	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4873.7480	58.91	52.75	0.61	59.52	53.36	74.00	54.00	-0.64	75	100
7311.0000	45.03	---	4.20	49.23	---	74.00	54.00	-24.77	115	100
9748.0000	35.35	---	9.51	44.86	---	74.00	54.00	-29.14	185	100
12185.0000	32.35	---	14.83	47.18	---	74.00	54.00	-26.82	130	100

Mode: 802.11n 40MHz CH7  
 Polarization: Horizontal

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
259.3788	31.21	QP	14.19	45.40	46.00	-0.60	65	100
311.8637	29.63	QP	15.87	45.50	46.00	-0.50	170	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4904.0000	49.44	---	0.70	50.14	---	74.00	54.00	-23.86	195	100
7356.0000	42.00	---	4.34	46.34	---	74.00	54.00	-27.66	170	100
9808.0000	35.62	---	9.83	45.45	---	74.00	54.00	-28.55	235	100
12260.0000	33.18	---	14.37	47.55	---	74.00	54.00	-26.45	80	100

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
103.8677	31.26	QP	11.55	42.81	43.50	-0.69	135	100
206.8938	30.73	QP	12.20	42.93	43.50	-0.57	245	100

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
4905.8120	55.00	52.67	0.71	55.71	53.38	74.00	54.00	-0.62	76	100
7356.0000	42.43	---	4.34	46.77	---	74.00	54.00	-27.23	155	100
9808.0000	35.45	---	9.83	45.28	---	74.00	54.00	-28.72	135	100
12260.0000	33.52	---	14.37	47.89	---	74.00	54.00	-26.11	85	100



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## **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. Measurement uncertainty for 3m measurement: 30-1000 MHz =  $\pm 3.72$  dB, 1-18 GHz =  $\pm 5.33$  dB, 18-40 GHz =  $\pm 3.43$  dB ; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.**
- 6. See attached diagrams in appendix.**

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

Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 111,  
ETSTW-RE 088, ETSTW-RE 018



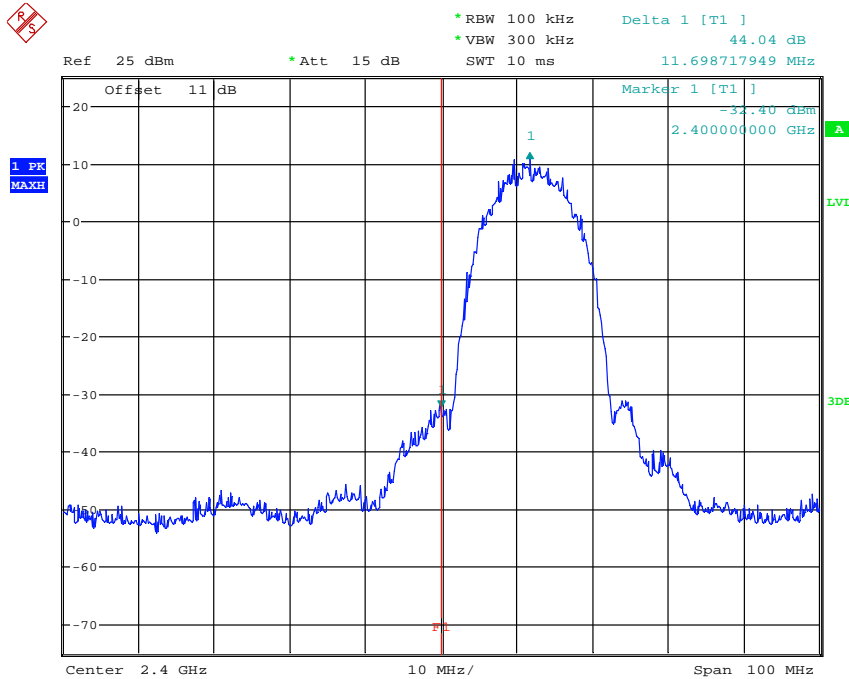
Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

### 3.6 Radiated Emission on the band edge

According to FCC rules part 15 subpart C §15.247(d) 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.

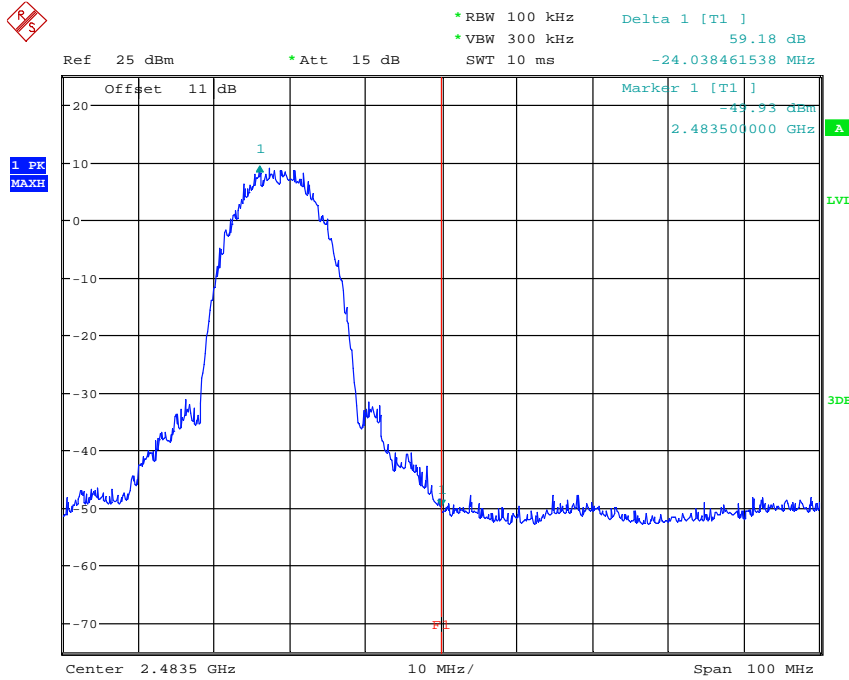
Antenna A  
Mode A



BANDEGE 802.11B CH01  
Date: 6.NOV.2013 18:25:35

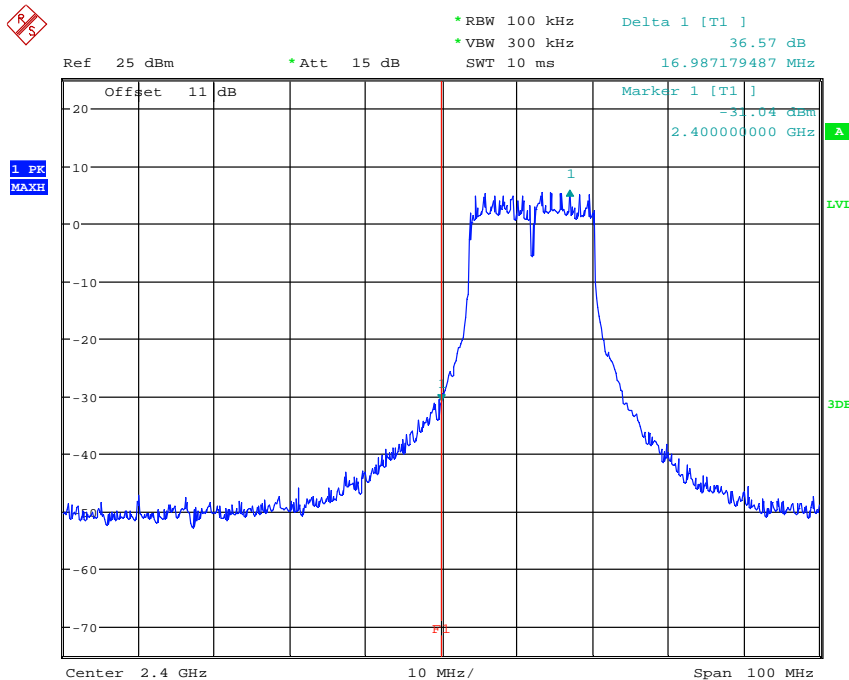


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



BANDEDGE 802.11B CH11  
Date: 6.NOV.2013 18:31:16

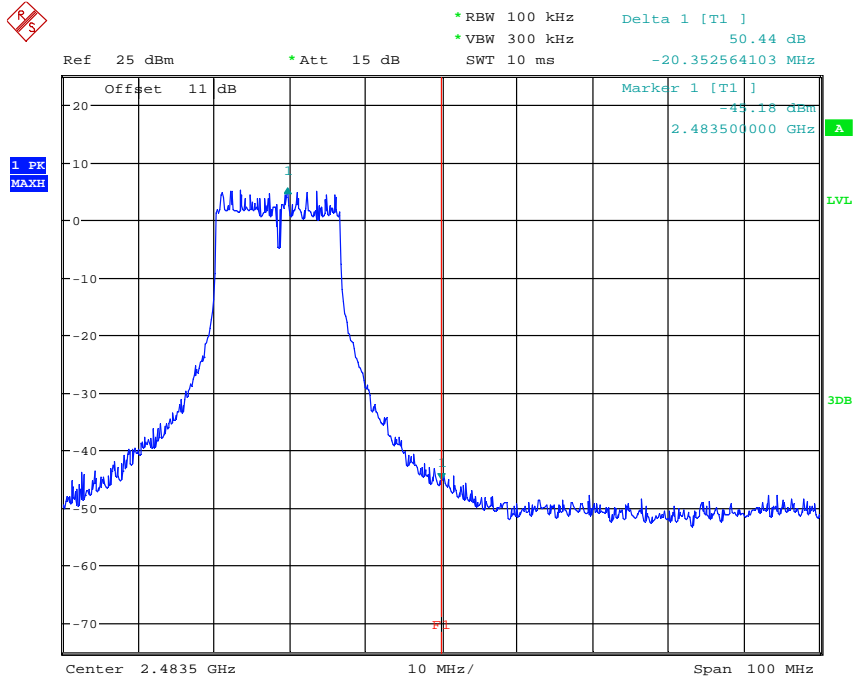
## Mode B



BANDEDGE 802.11G CH01  
Date: 6.NOV.2013 18:32:17

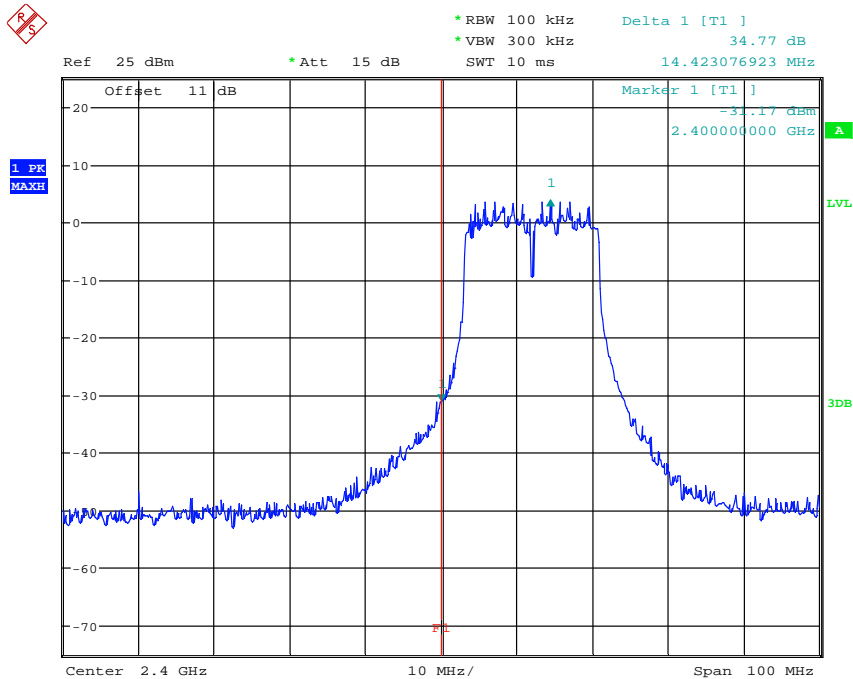


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



BANDEDGE 802.11G CH11  
Date: 6.NOV.2013 18:33:42

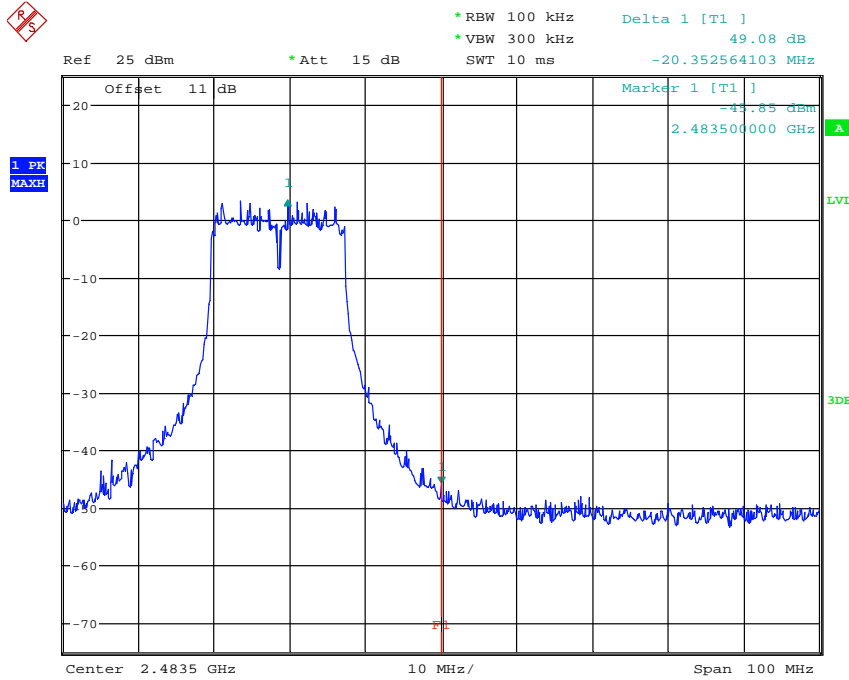
## Mode C



BANDEDGE 802.11N 20MHZ CH01  
Date: 6.NOV.2013 18:34:40

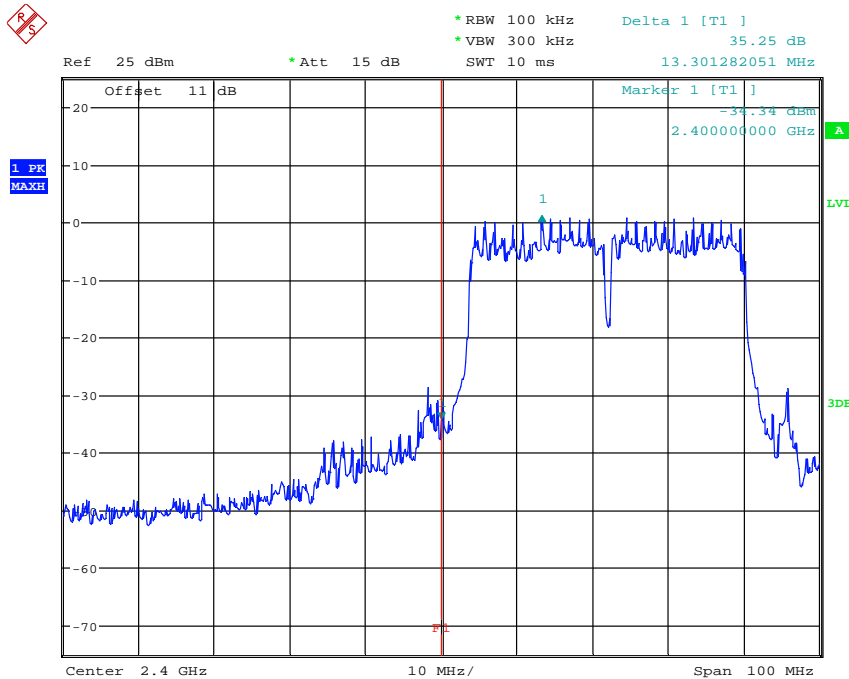


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

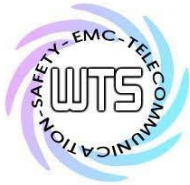


BANDEDGE 802.11N 20MHZ CH11  
Date: 6.NOV.2013 18:35:52

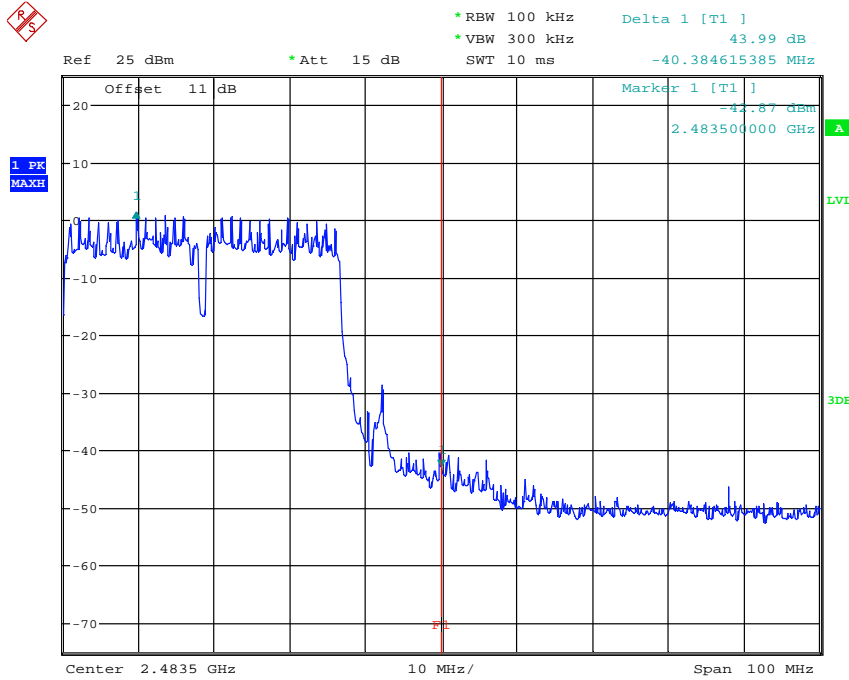
## Mode D



BANDEDGE 802.11N 40MHZ CH01  
Date: 6.NOV.2013 18:36:47

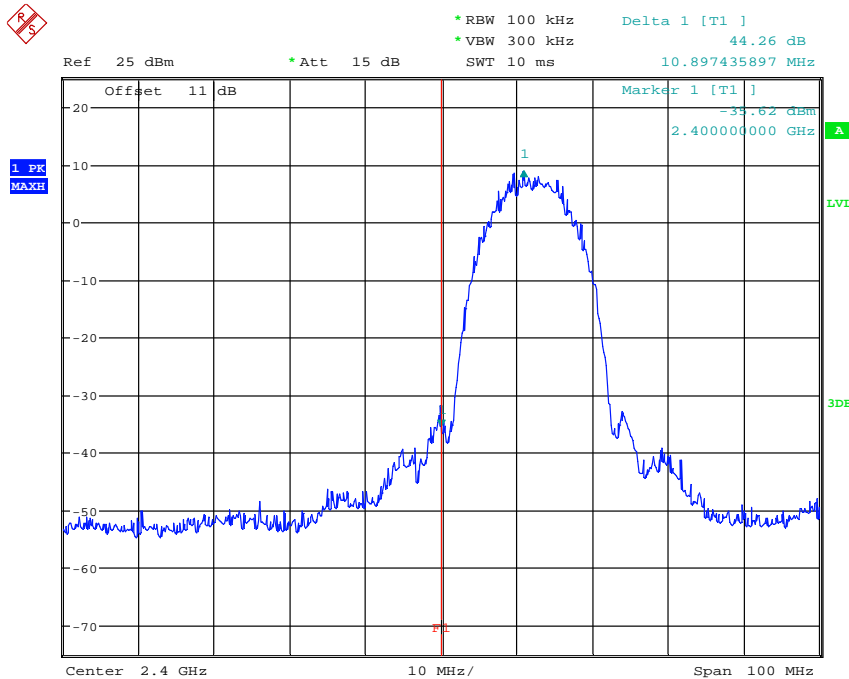


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



BANDEDGE 802.11N 40MHZ CH07  
Date: 6.NOV.2013 18:38:08

## Antenna B Mode A

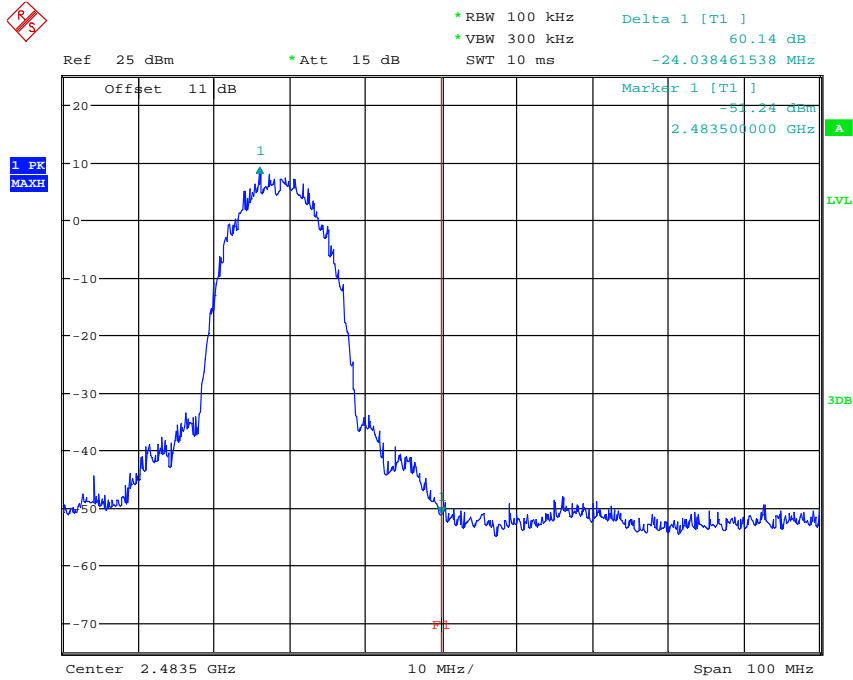


BANDEDGE 802.11B CH01  
Date: 6.NOV.2013 18:44:52



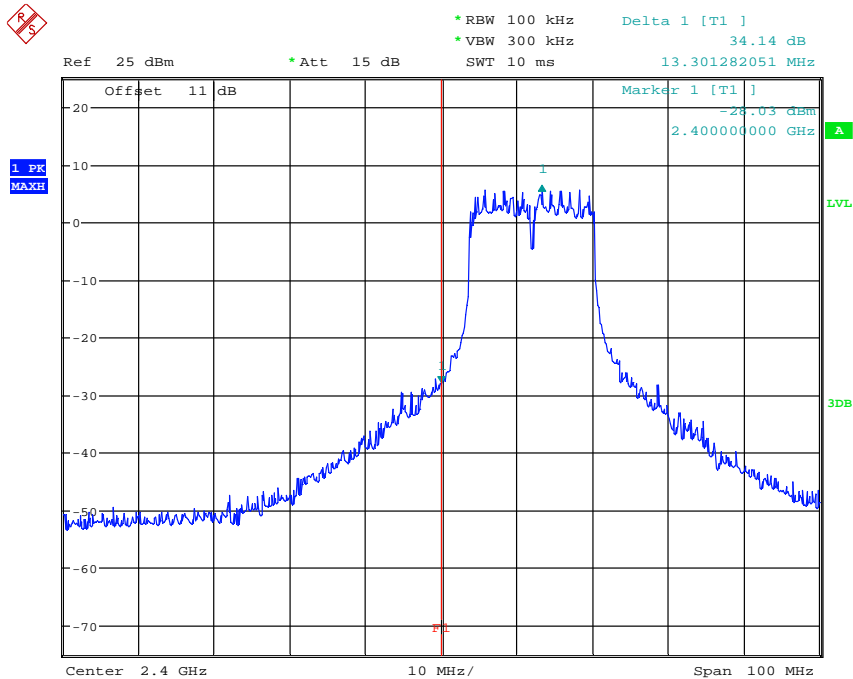


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



BANDEDGE 802.11B CH11  
Date: 6.NOV.2013 18:46:07

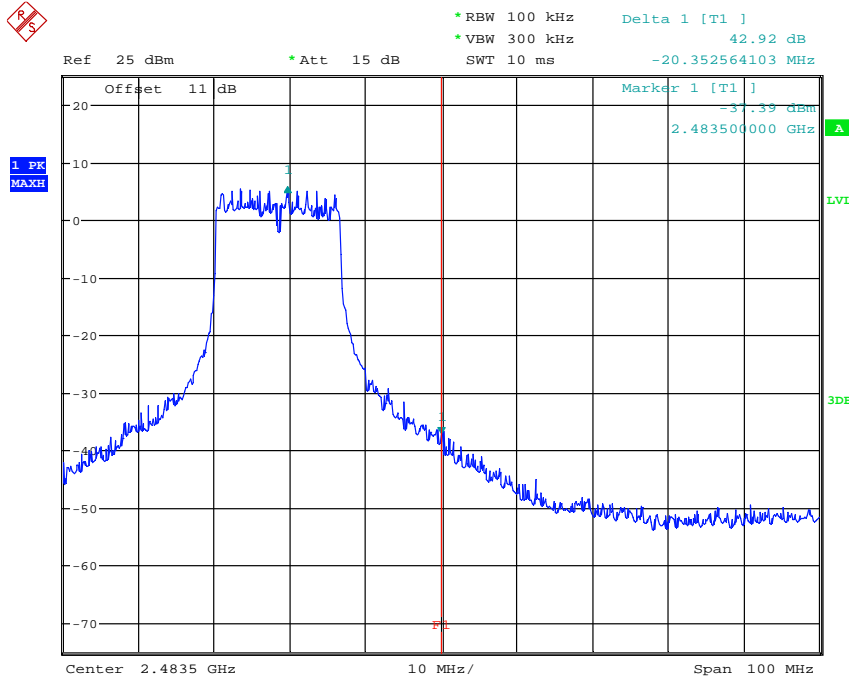
## Mode B



BANDEDGE 802.11G CH01  
Date: 6.NOV.2013 18:47:00

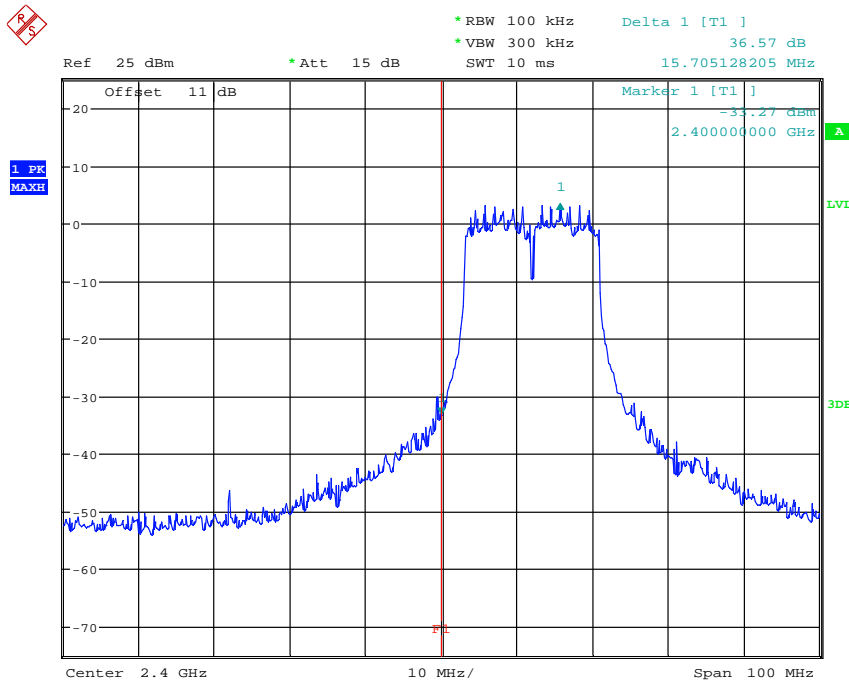


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



BANDEDGE 802.11G CH11  
Date: 6.NOV.2013 18:48:38

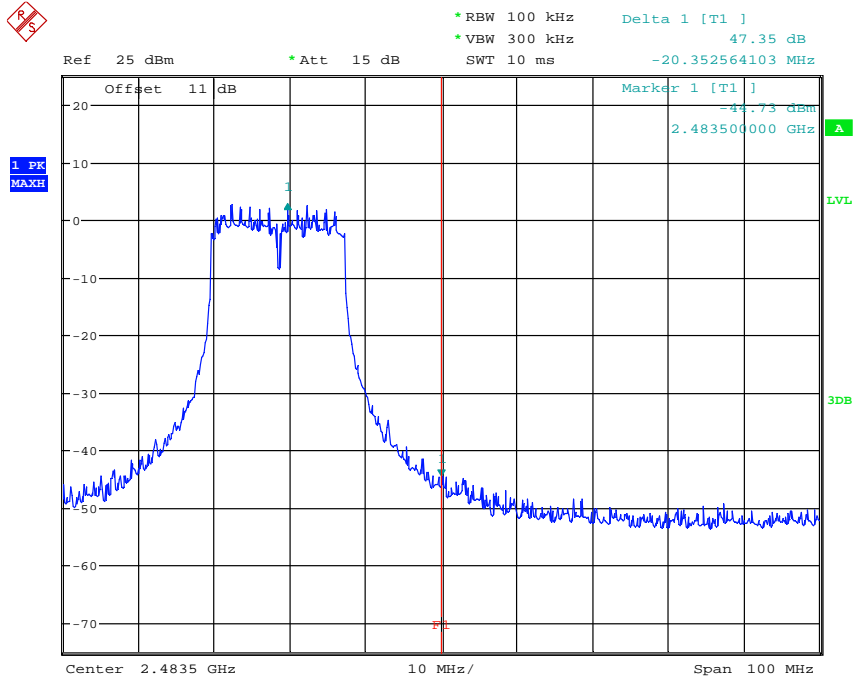
## Mode C



BANDEDGE 802.11N 20MHZ CH01  
Date: 6.NOV.2013 18:49:30

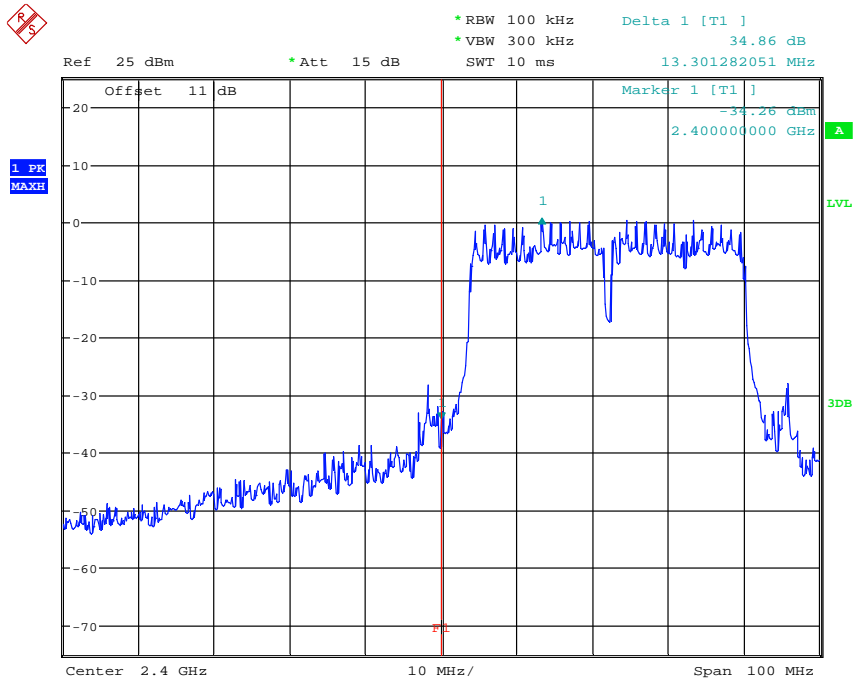


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



BANDEDGE 802.11N 20MHZ CH11  
Date: 6.NOV.2013 18:50:43

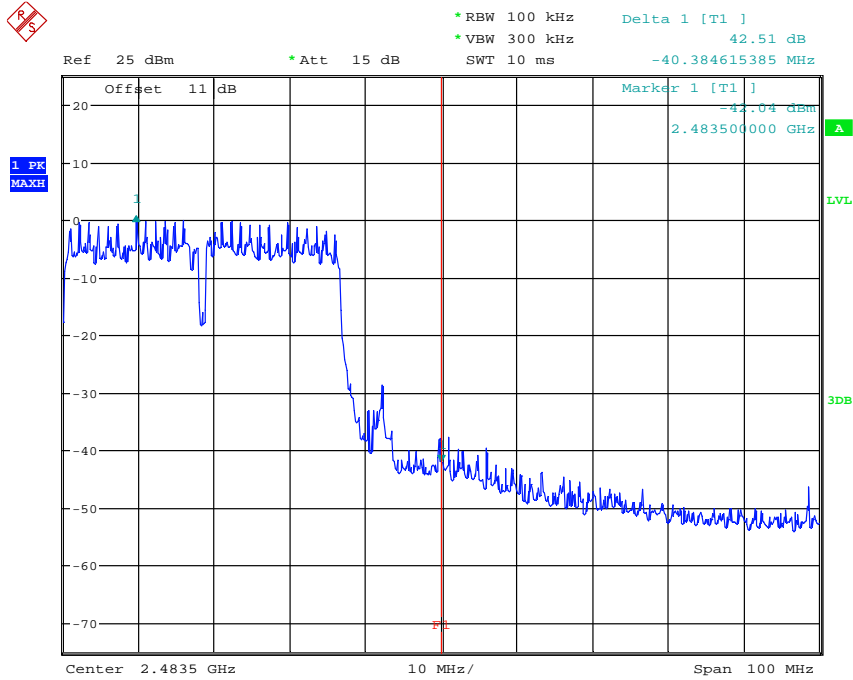
## Mode D



BANDEDGE 802.11N 40MHZ CH01  
Date: 6.NOV.2013 18:51:34



Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2



BANDEDGE 802.11N 40MHZ CH07  
 Date: 6.NOV.2013 18:52:53

Limit:

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

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

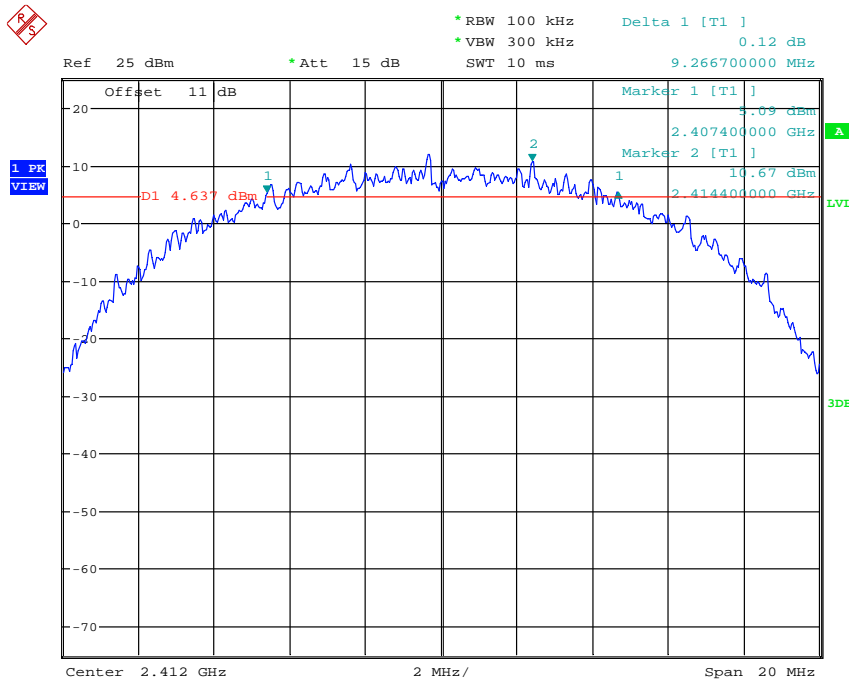


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

### 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.

Antenna A  
Mode A



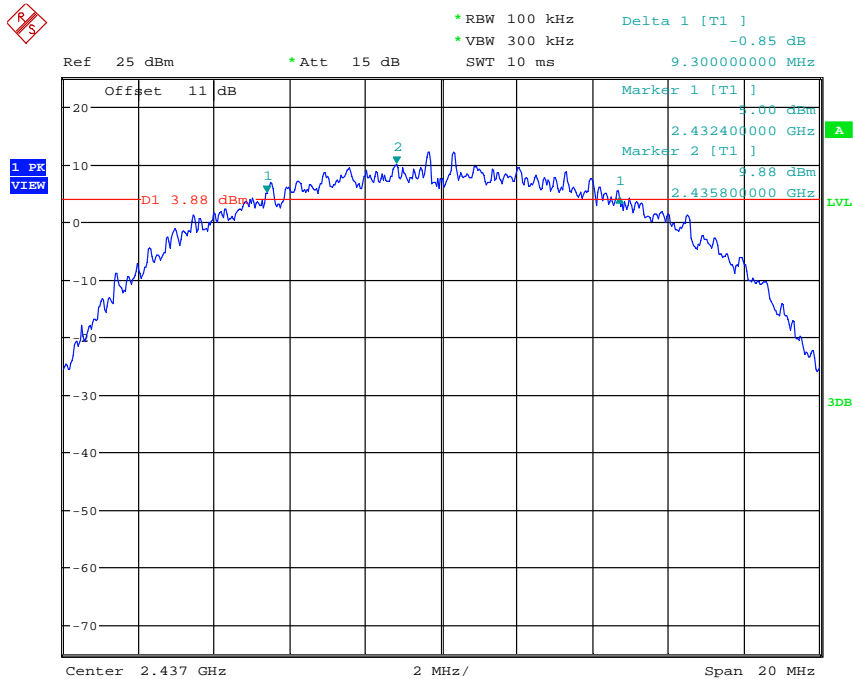
6DB BANDWIDTH 802.11B CH01  
Date: 6.NOV.2013 18:25:22



# Worldwide Testing Services(Taiwan) Co., Ltd.

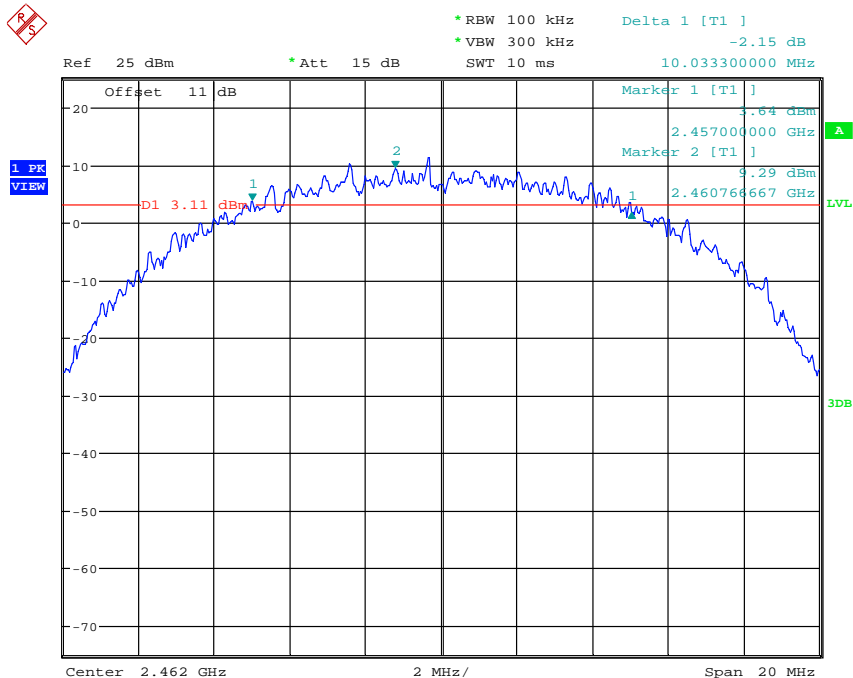
Registration number: W6R21309-13524-C-1

FCC ID: ZTT-REC10-2



6DB BANDWIDTH 802.11B CH06

Date: 6.NOV.2013 18:26:45



6DB BANDWIDTH 802.11B CH11

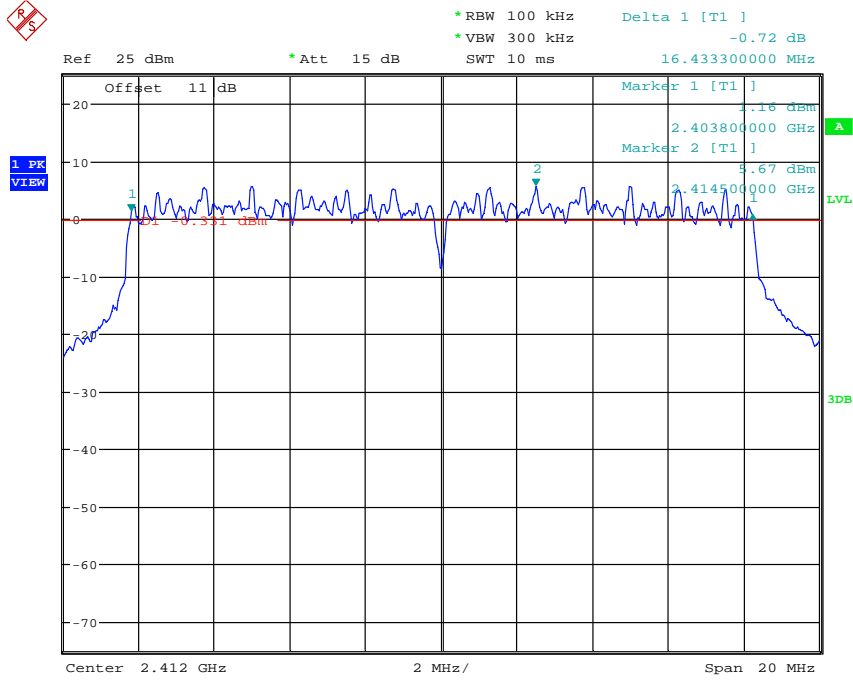
Date: 6.NOV.2013 18:31:02



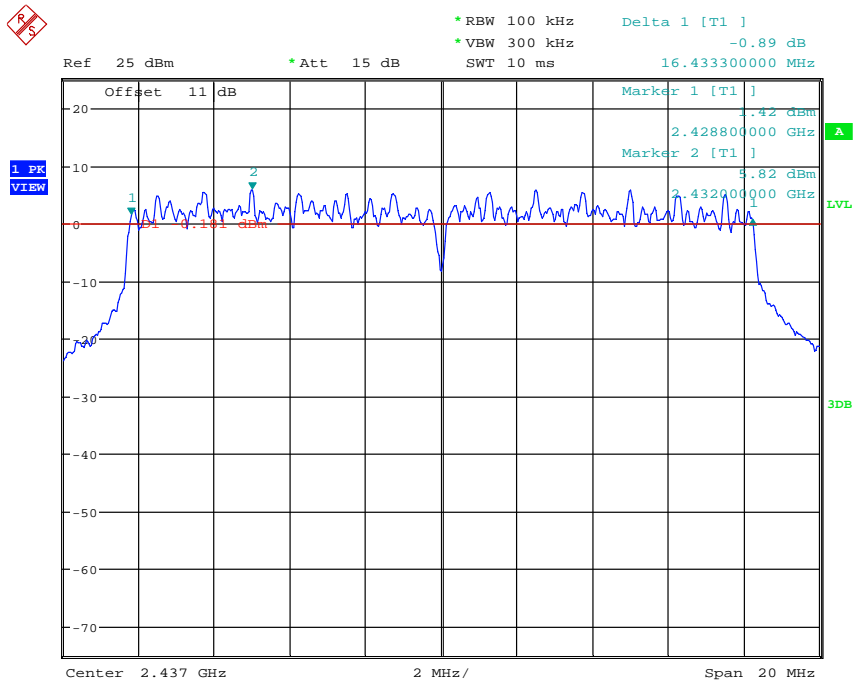
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Mode B



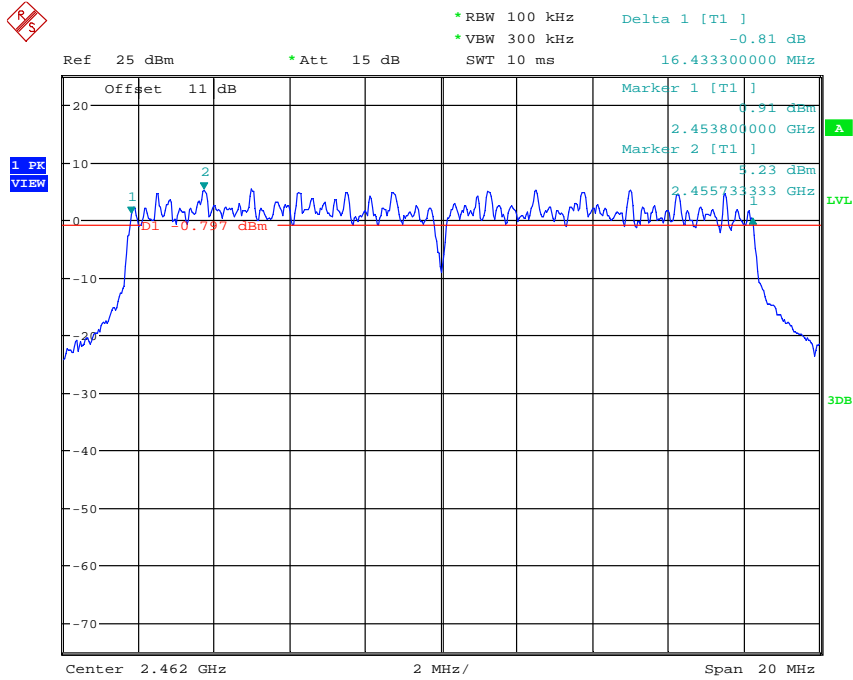
6DB BANDWIDTH 802.11G CH01  
Date: 6.NOV.2013 18:32:05



6DB BANDWIDTH 802.11G CH06  
Date: 6.NOV.2013 18:32:49

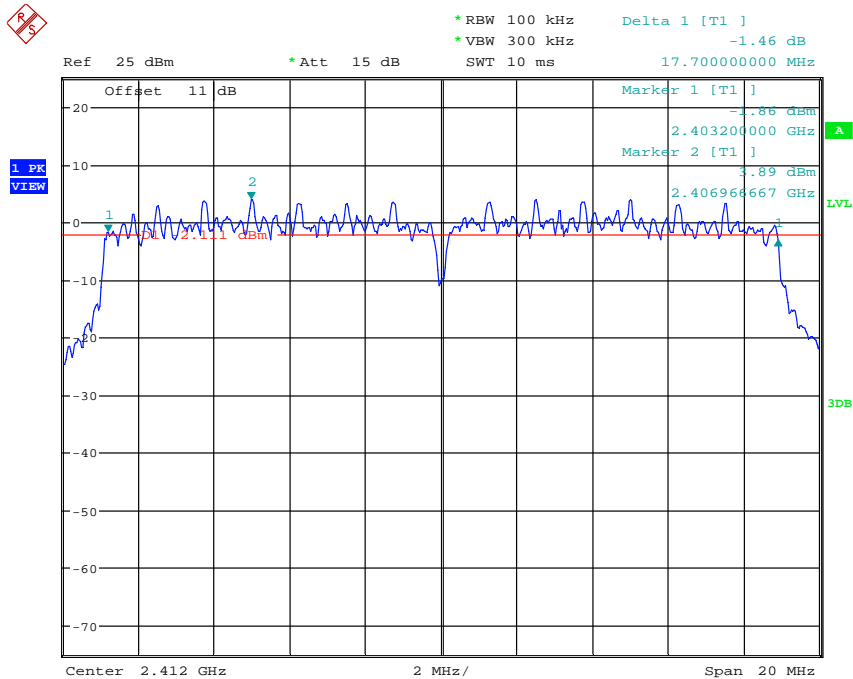


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



6DB BANDWIDTH 802.11G CH11  
Date: 6.NOV.2013 18:33:31

## Mode C



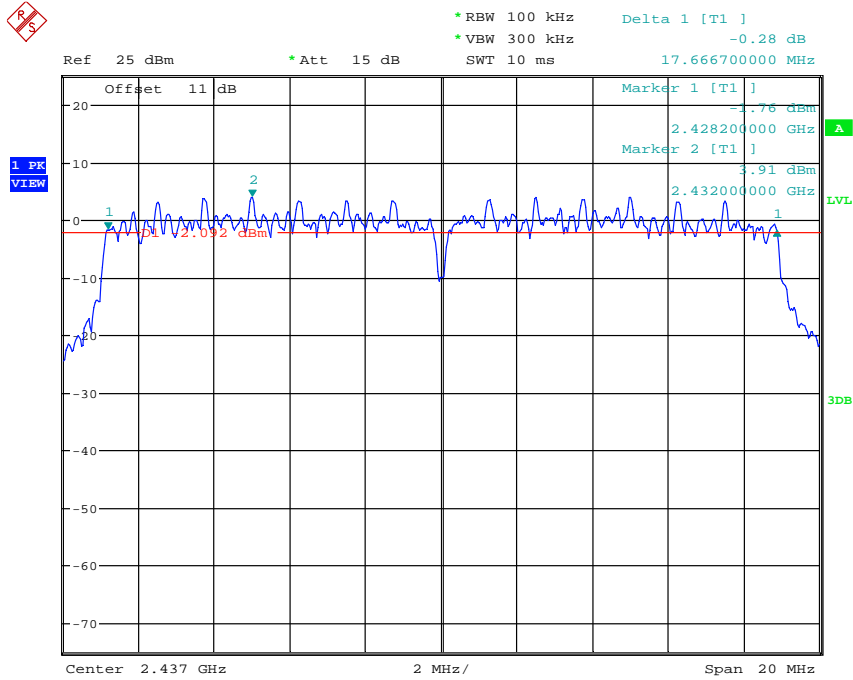
6DB BANDWIDTH 802.11N 20MHZ CH01  
Date: 6.NOV.2013 18:34:28





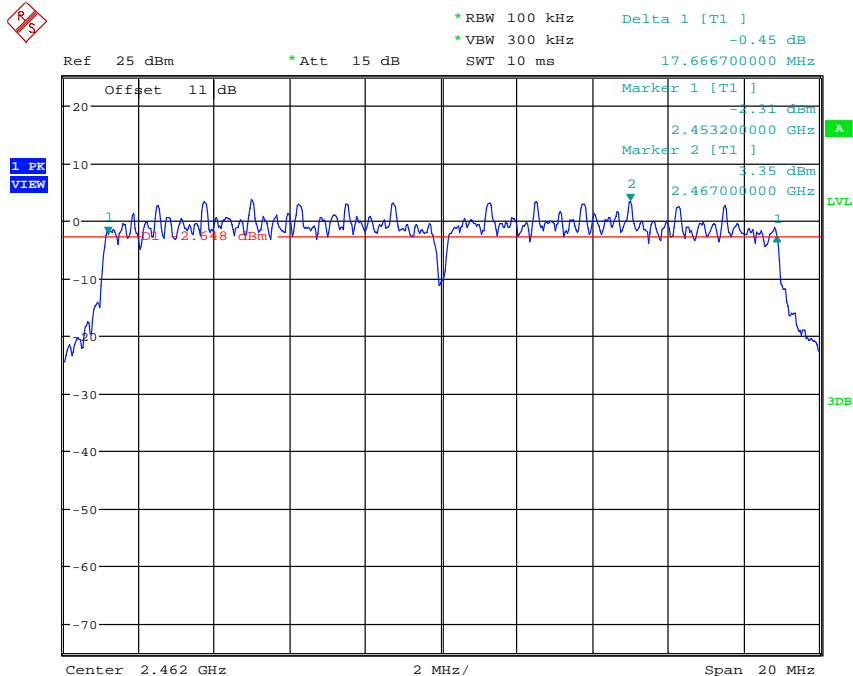
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



6DB BANDWIDTH 802.11N 20MHZ CH06

Date: 6.NOV.2013 18:35:08



6DB BANDWIDTH 802.11N 20MHZ CH11

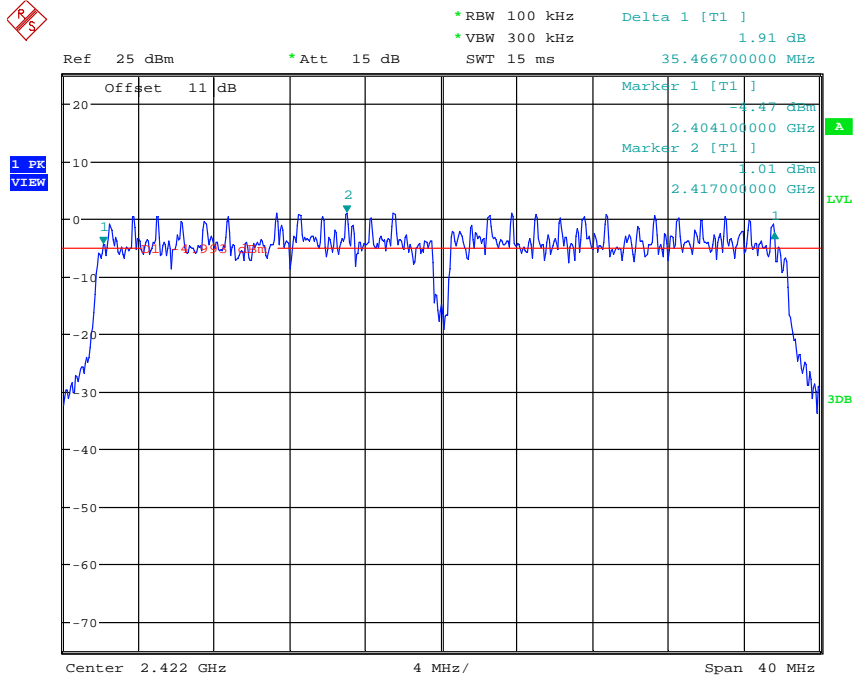
Date: 6.NOV.2013 18:35:41



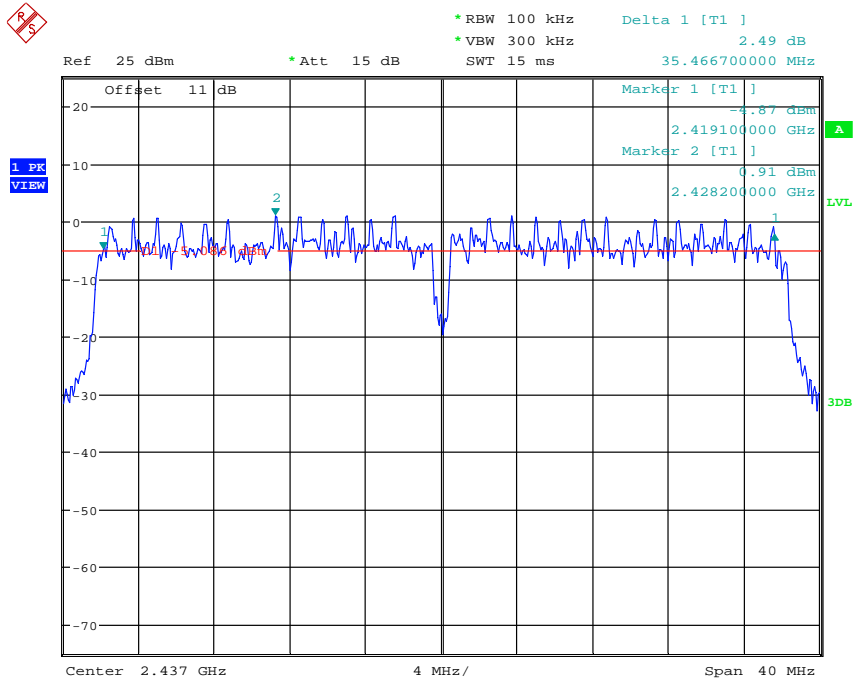
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Mode D



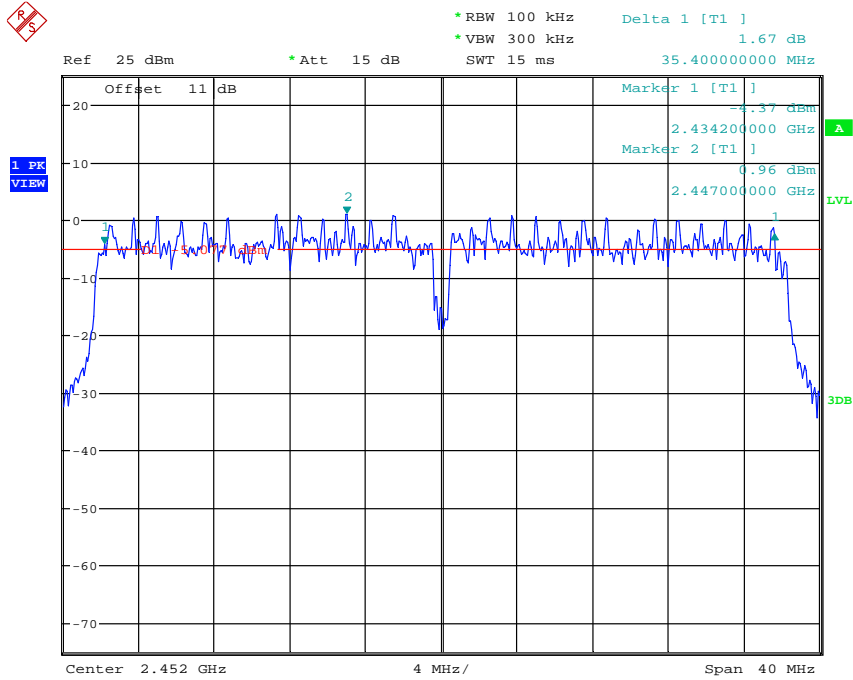
6DB BANDWIDTH 802.11N 40MHZ CH01  
Date: 6.NOV.2013 18:36:35



6DB BANDWIDTH 802.11N 40MHZ CH04  
Date: 6.NOV.2013 18:37:17

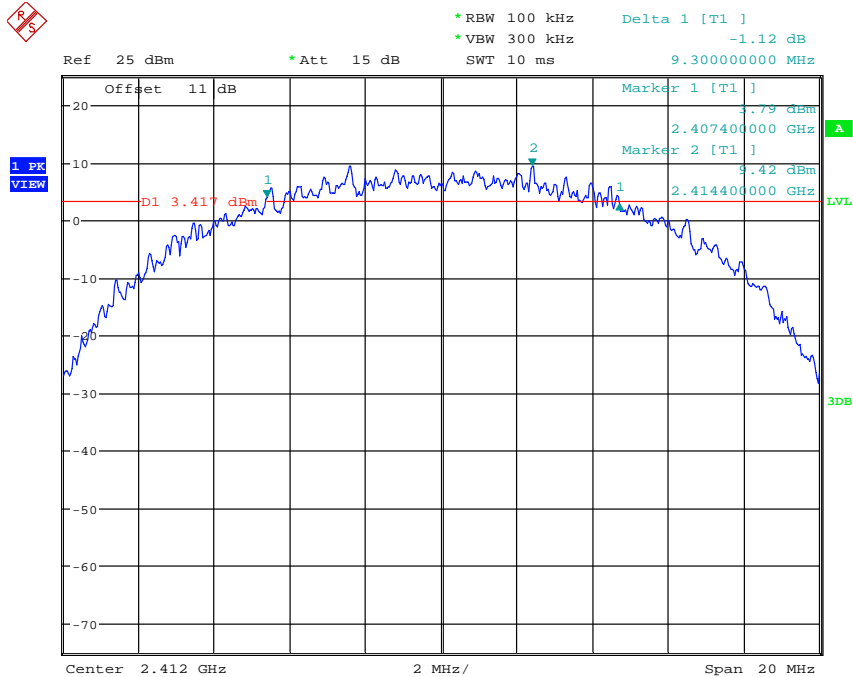


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



6DB BANDWIDTH 802.11N 40MHZ CH07  
Date: 6.NOV.2013 18:37:56

## Antenna B Mode A

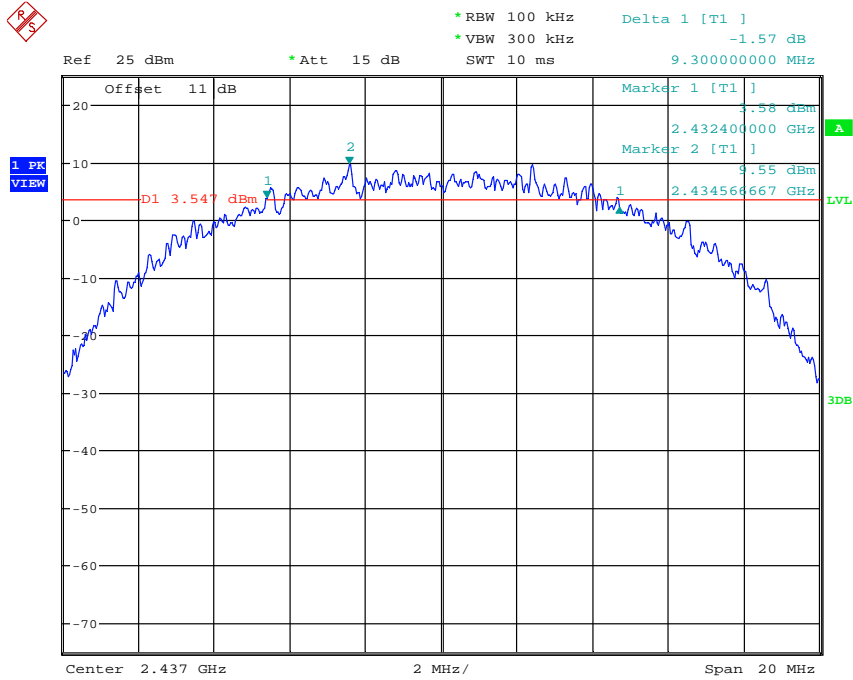


6DB BANDWIDTH 802.11B CH01  
Date: 6.NOV.2013 18:44:39

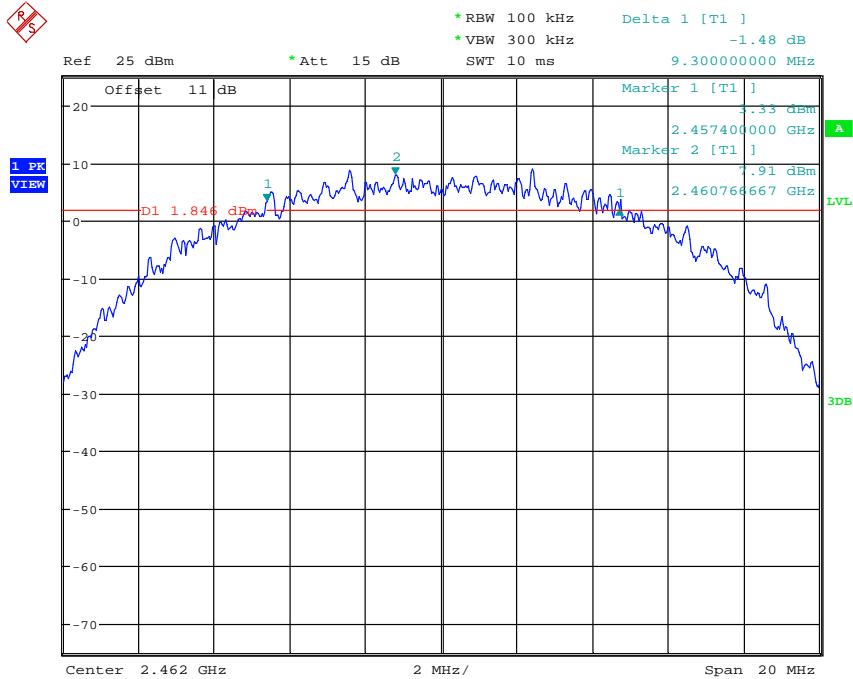


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2



6DB BANDWIDTH 802.11B CH06  
 Date: 6.NOV.2013 18:45:20



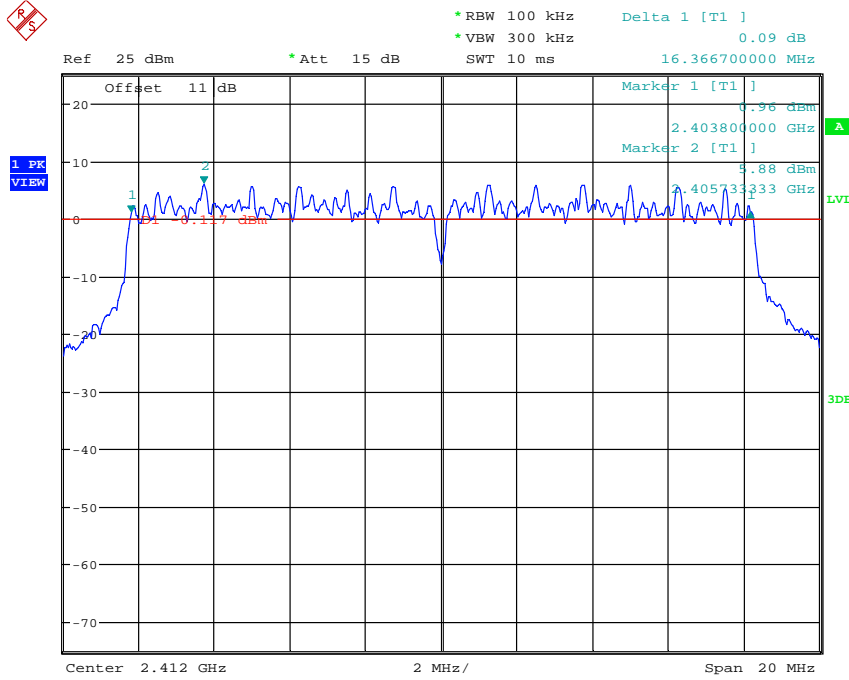
6DB BANDWIDTH 802.11B CH11  
 Date: 6.NOV.2013 18:45:54



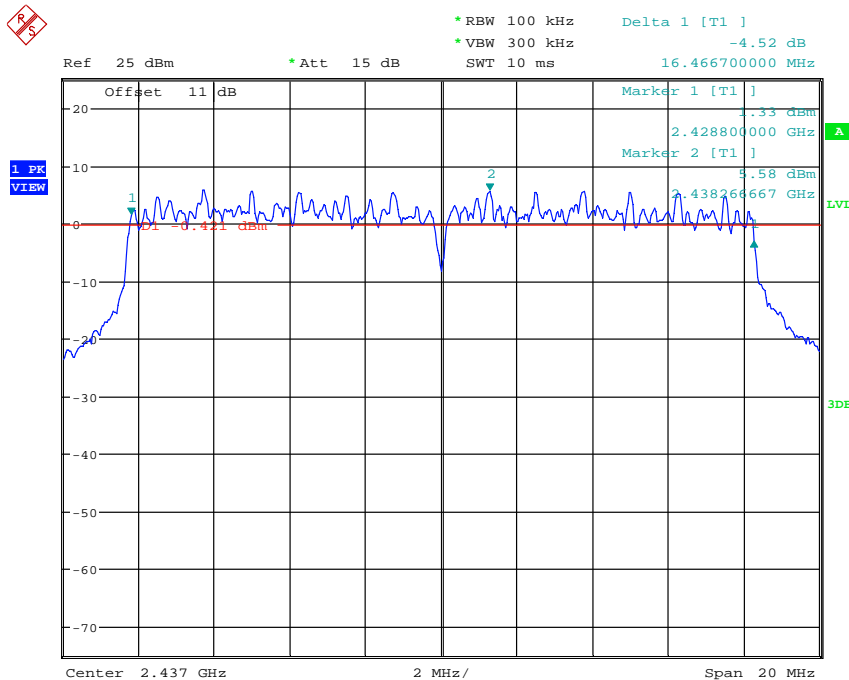
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Mode B



6DB BANDWIDTH 802.11G CH01  
Date: 6.NOV.2013 18:46:48

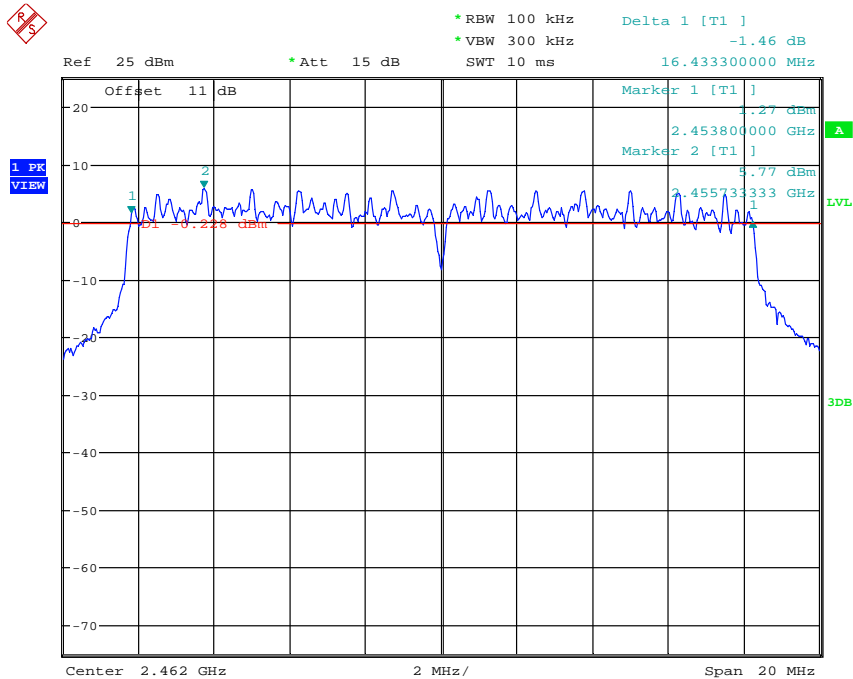


6DB BANDWIDTH 802.11G CH06  
Date: 6.NOV.2013 18:47:42



Registration number: W6R21309-13524-C-1

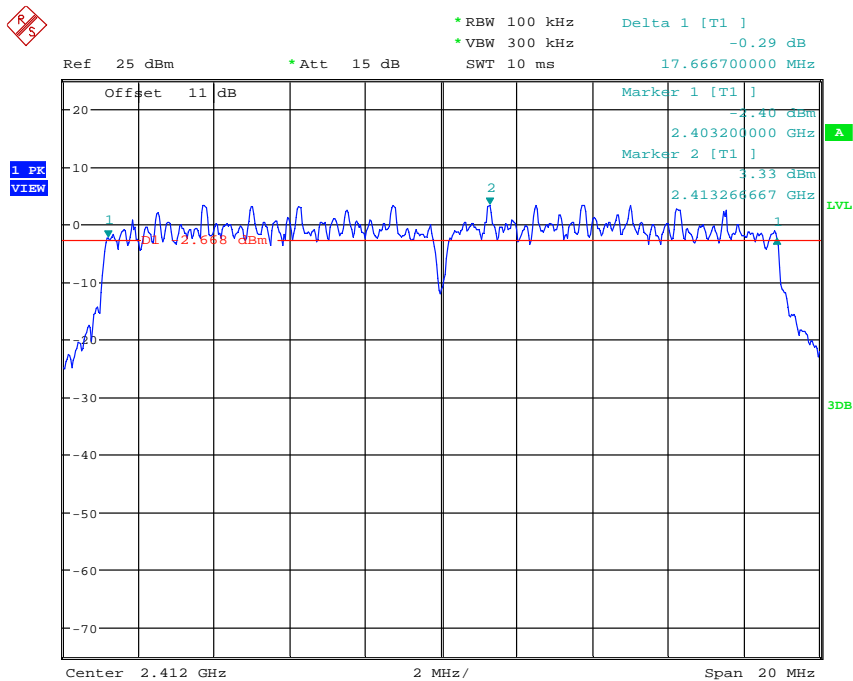
FCC ID: ZTT-REC10-2



6DB BANDWIDTH 802.11G CH11

Date: 6.NOV.2013 18:48:27

## Mode C

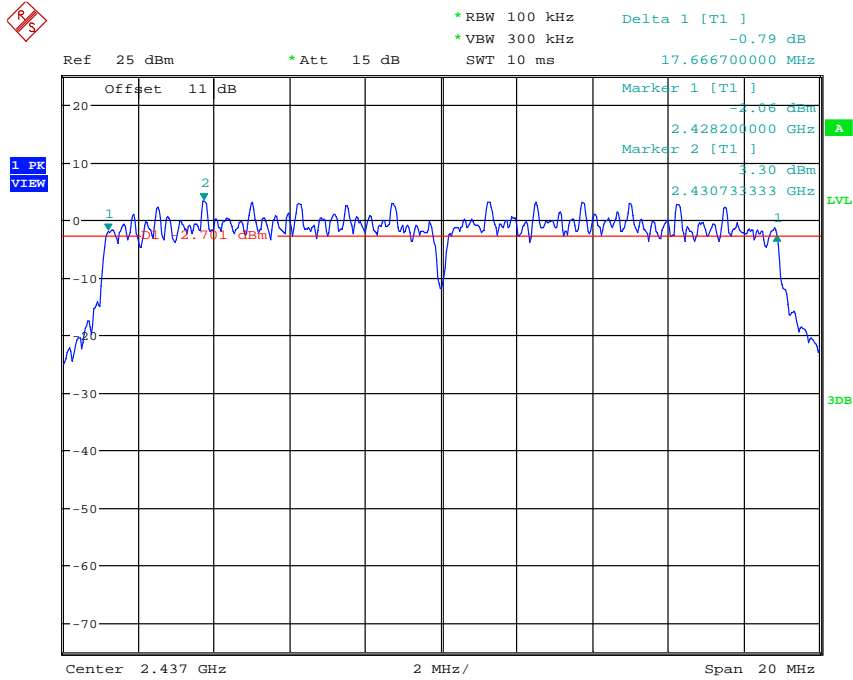


6DB BANDWIDTH 802.11N 20MHZ CH01

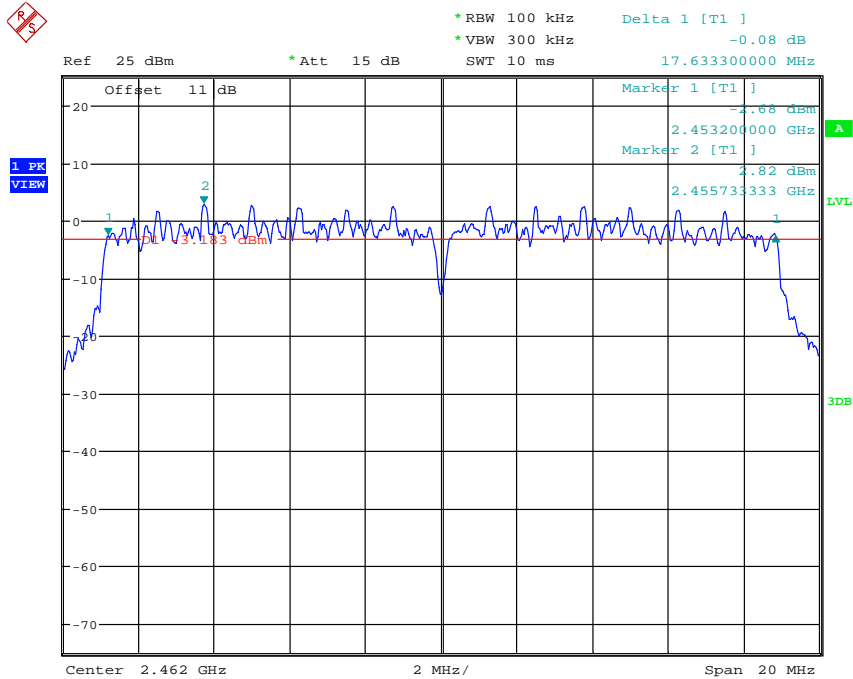
Date: 6.NOV.2013 18:49:18



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



6DB BANDWIDTH 802.11N 20MHZ CH06  
Date: 6.NOV.2013 18:49:57



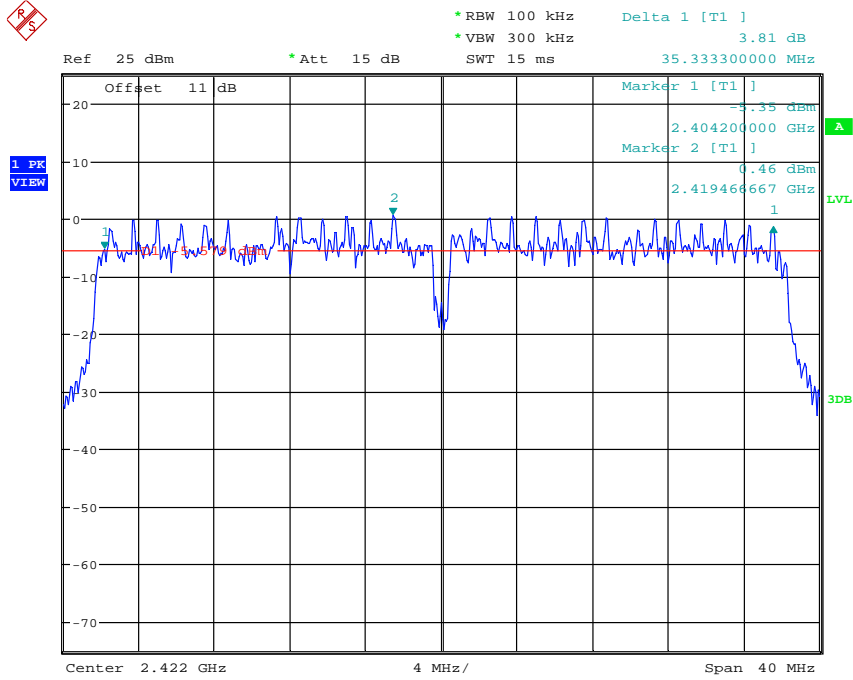
6DB BANDWIDTH 802.11N 20MHZ CH11  
Date: 6.NOV.2013 18:50:31



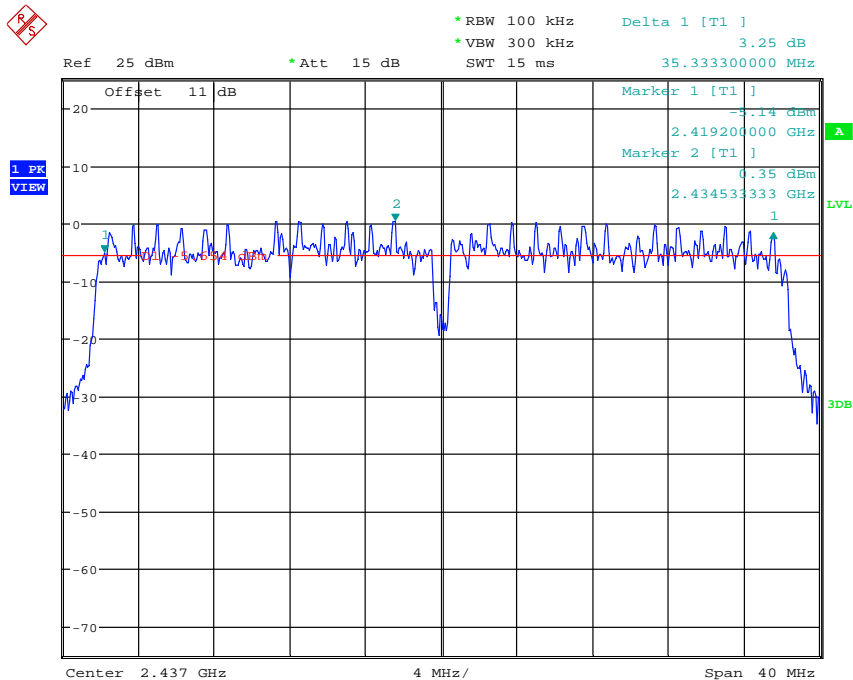
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Mode D



6DB BANDWIDTH 802.11N 40MHZ CH01  
Date: 6.NOV.2013 18:51:22

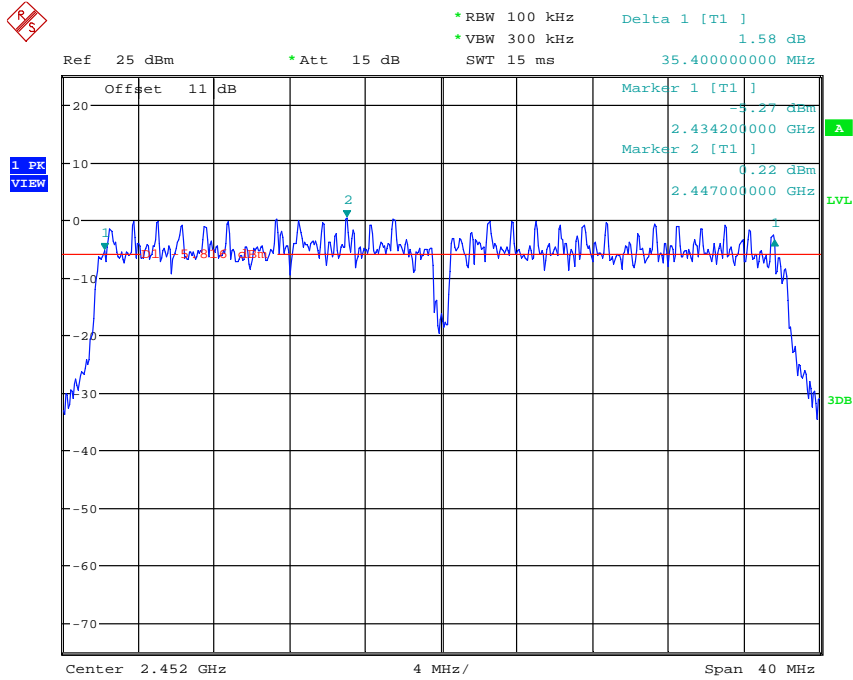


6DB BANDWIDTH 802.11N 40MHZ CH04  
Date: 6.NOV.2013 18:52:02





Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2



6DB BANDWIDTH 802.11N 40MHZ CH07  
 Date: 6.NOV.2013 18:52:41

**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, ETSTW-RE 050



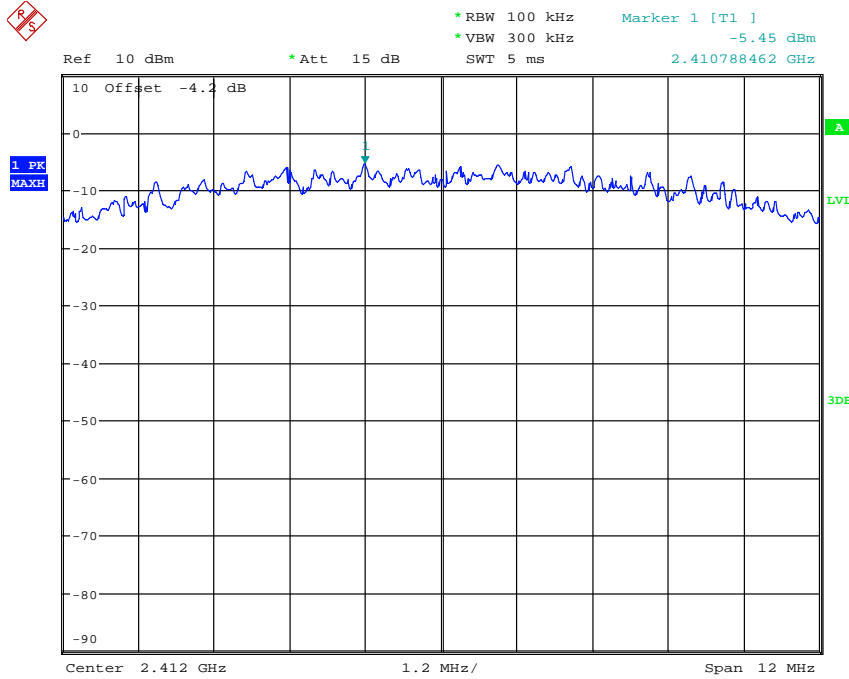
Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

### 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.

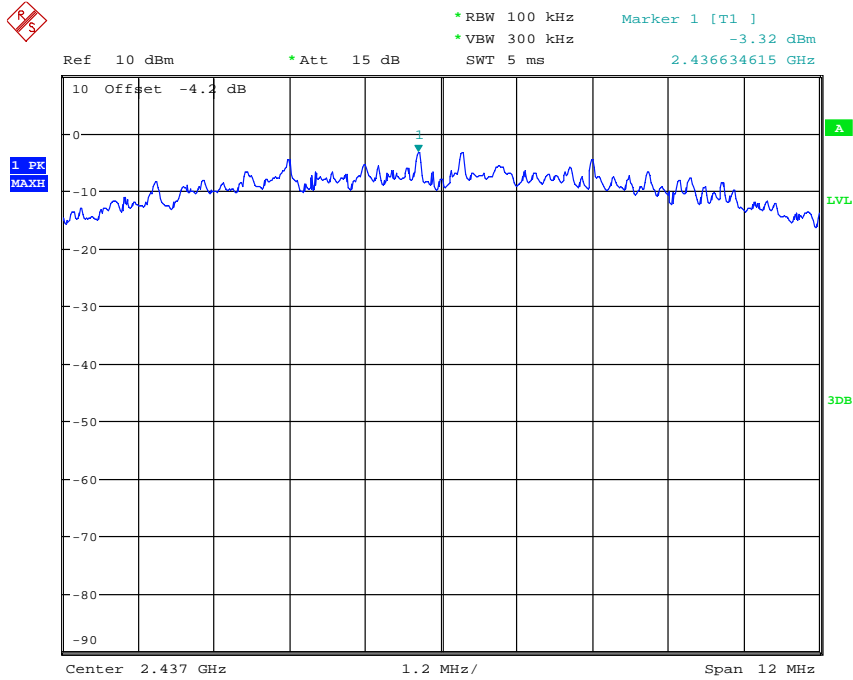
Antenna A  
Mode A



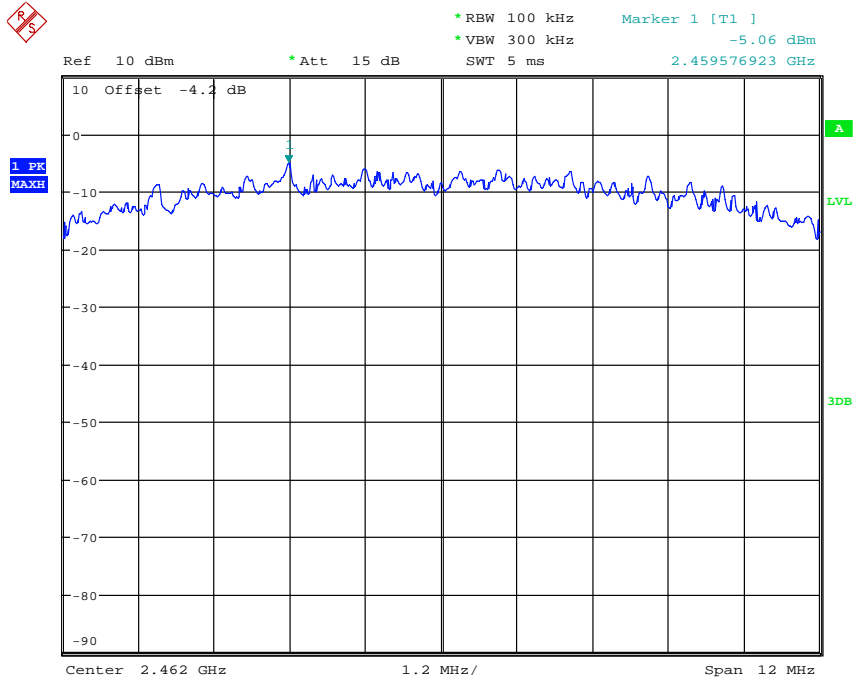
POWER DENSITY 802.11B CH01  
Date: 6.NOV.2013 18:25:30



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



POWER DENSITY 802.11B CH06  
Date: 6.NOV.2013 18:26:51

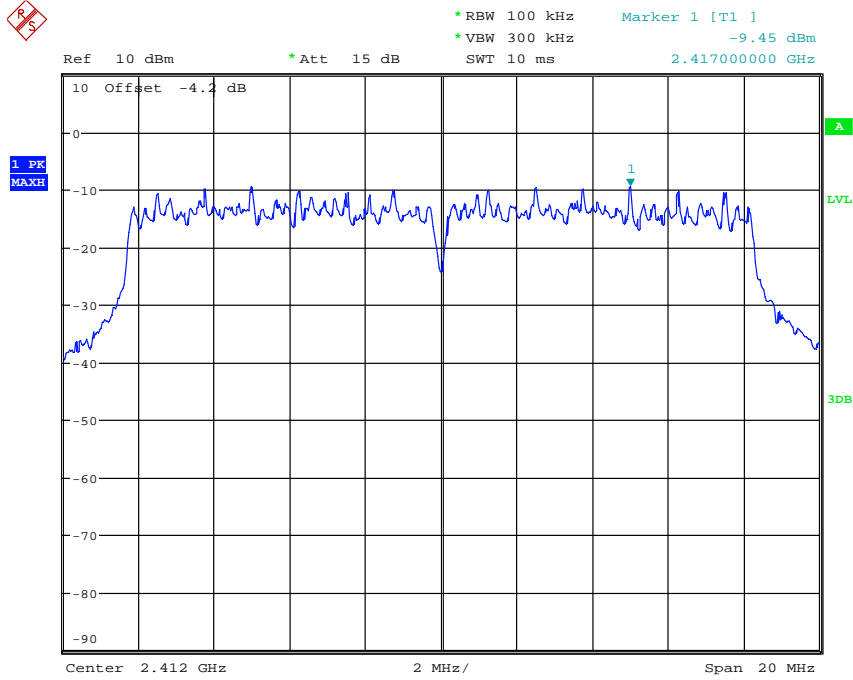


POWER DENSITY 802.11B CH11  
Date: 6.NOV.2013 18:31:09

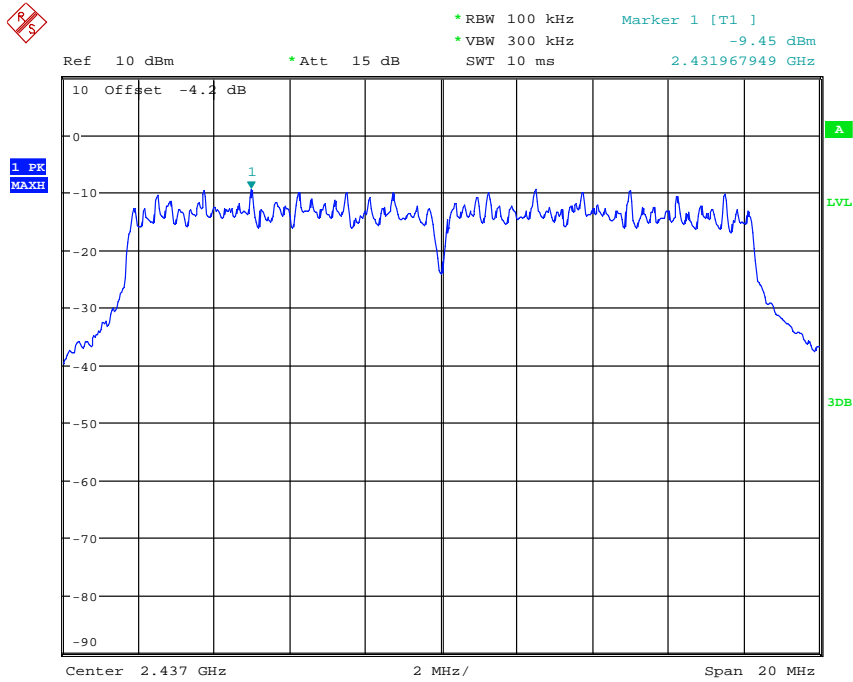


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Mode B



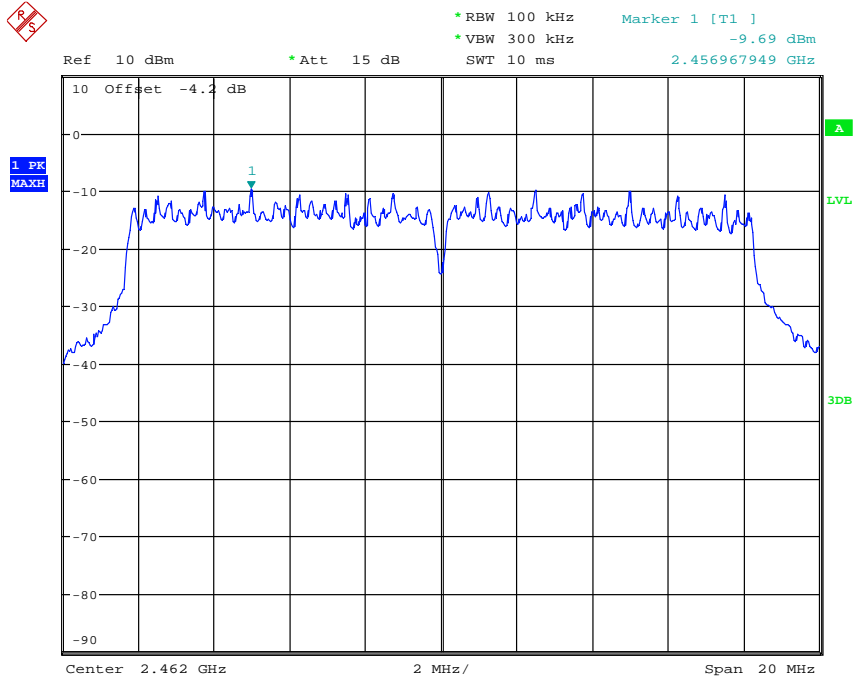
POWER DENSITY 802.11G CH01  
Date: 6.NOV.2013 18:32:11



POWER DENSITY 802.11G CH06  
Date: 6.NOV.2013 18:32:55

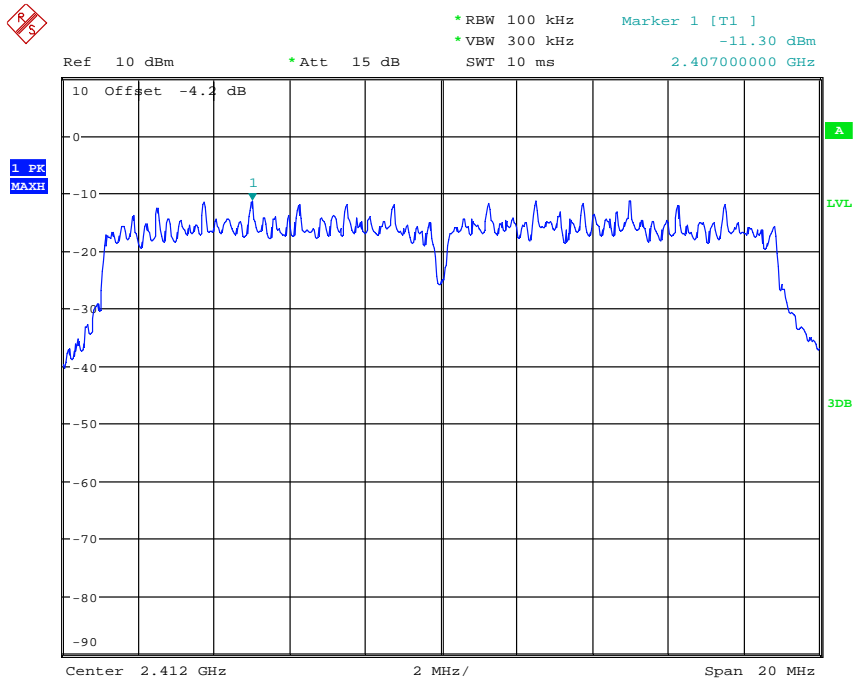


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



POWER DENSITY 802.11G CH11  
Date: 6.NOV.2013 18:33:37

## Mode C

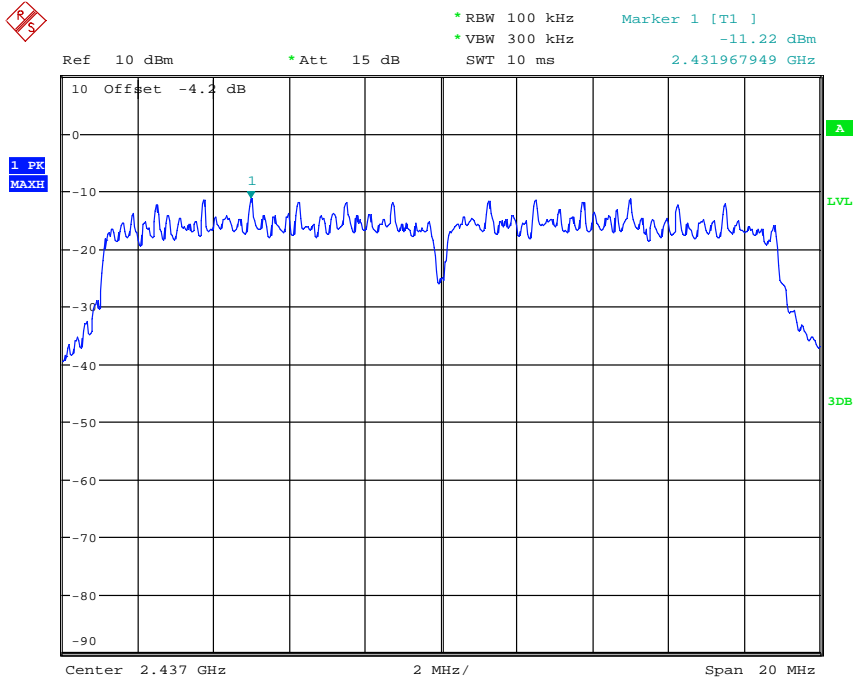


POWER DENSITY 802.11N 20MHZ CH01  
Date: 6.NOV.2013 18:34:35

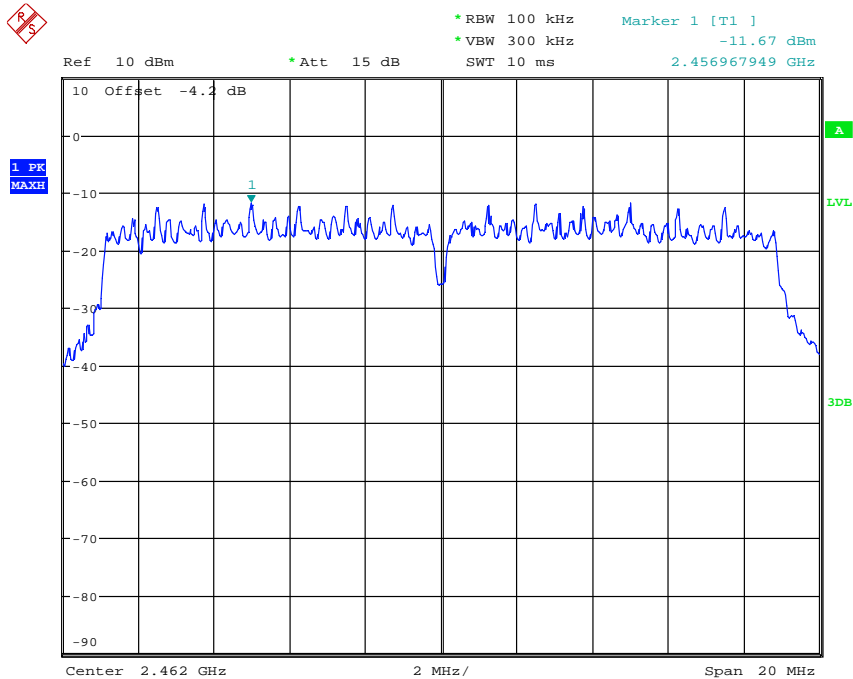


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



POWER DENSITY 802.11N 20MHZ CH06  
Date: 6.NOV.2013 18:35:14



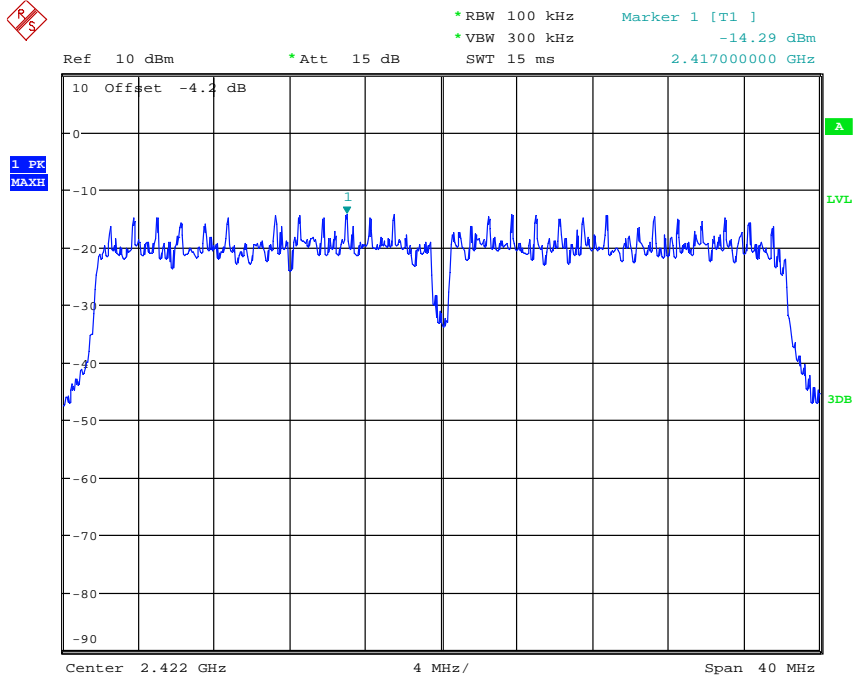
POWER DENSITY 802.11N 20MHZ CH11  
Date: 6.NOV.2013 18:35:47



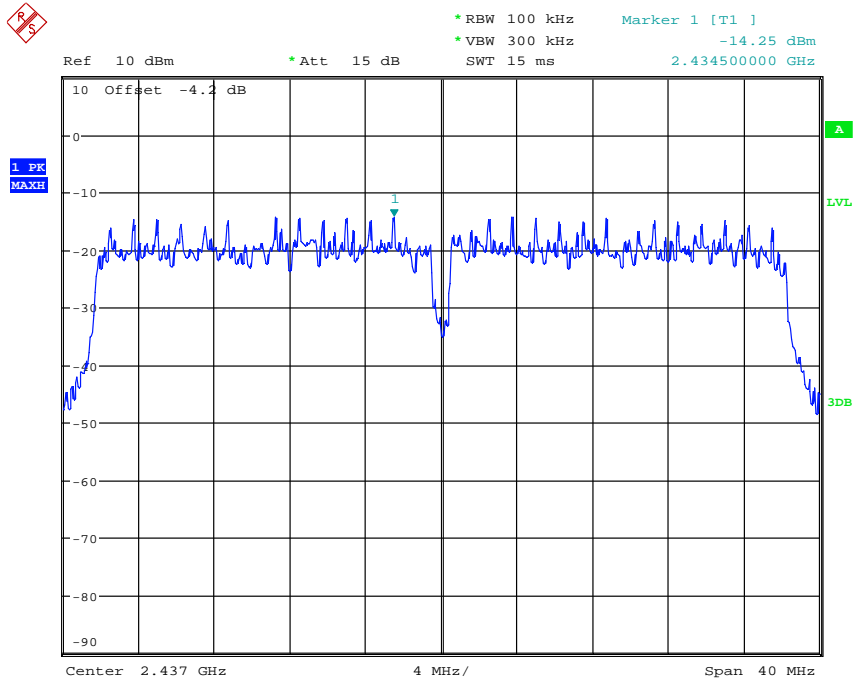
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Mode D



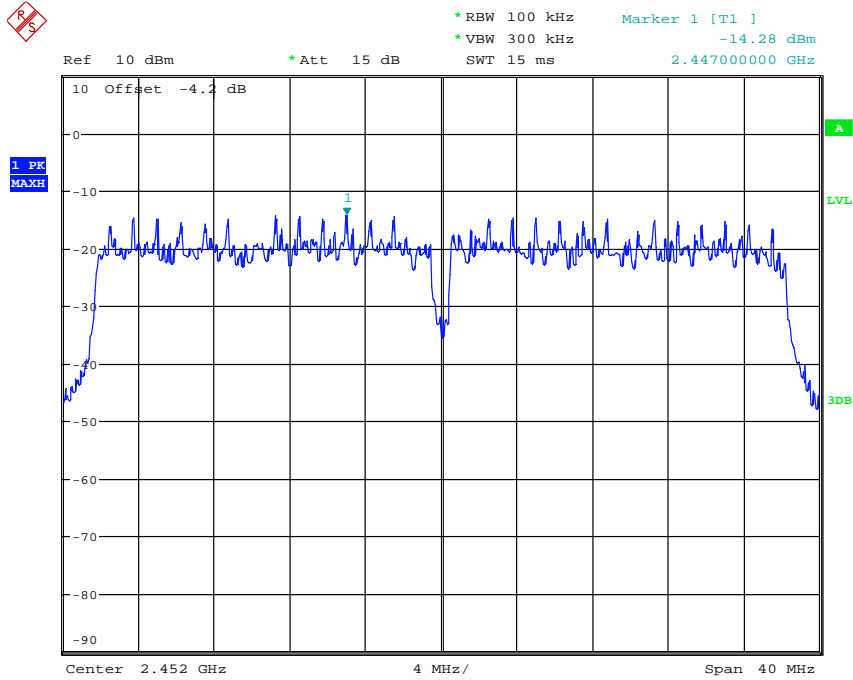
POWER DENSITY 802.11N 40MHZ CH01  
Date: 6.NOV.2013 18:36:42



POWER DENSITY 802.11N 40MHZ CH04  
Date: 6.NOV.2013 18:37:23

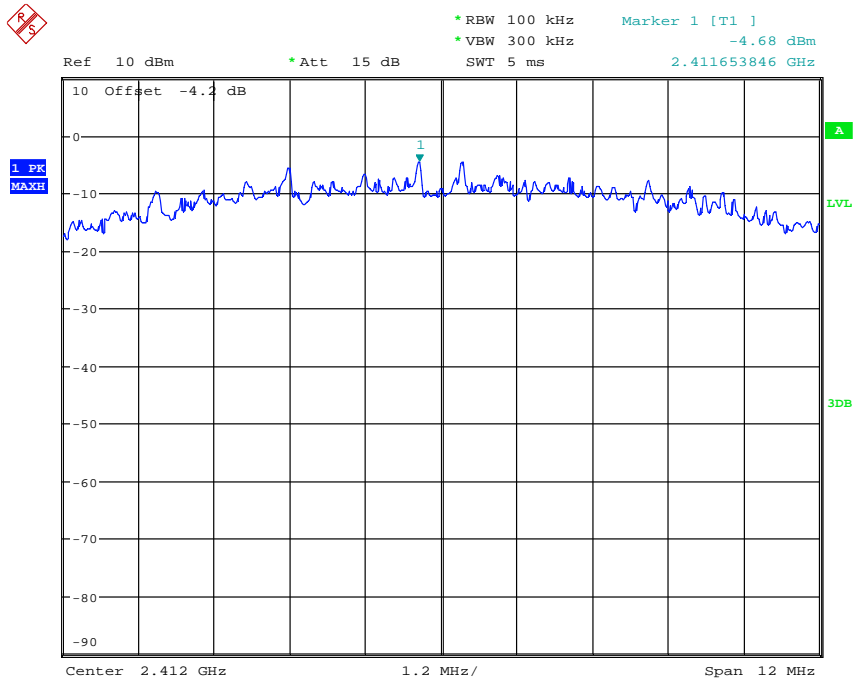


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



POWER DENSITY 802.11N 40MHZ CH07  
Date: 6.NOV.2013 18:38:02

## Antenna B Mode A



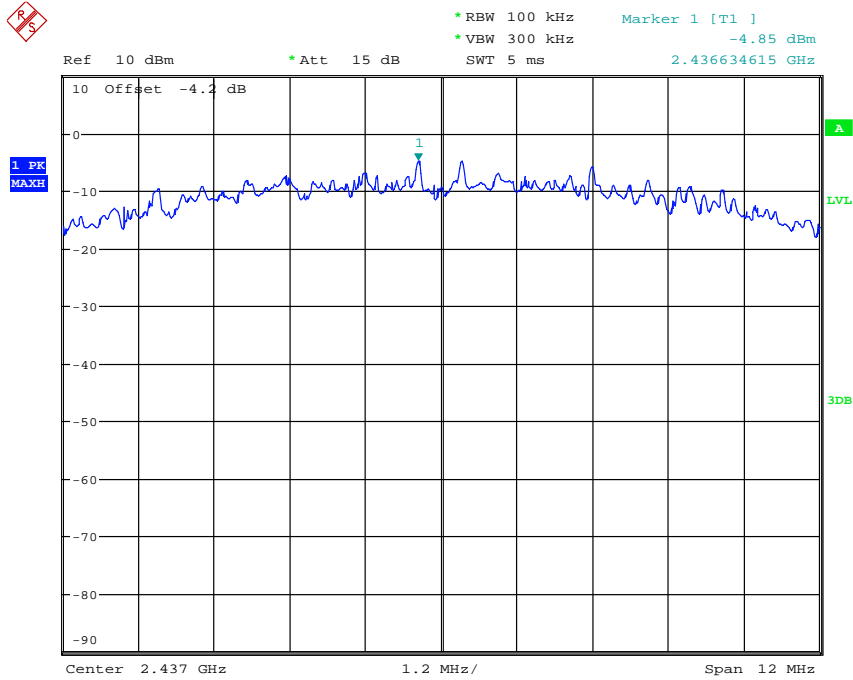
POWER DENSITY 802.11B CH01  
Date: 6.NOV.2013 18:44:46



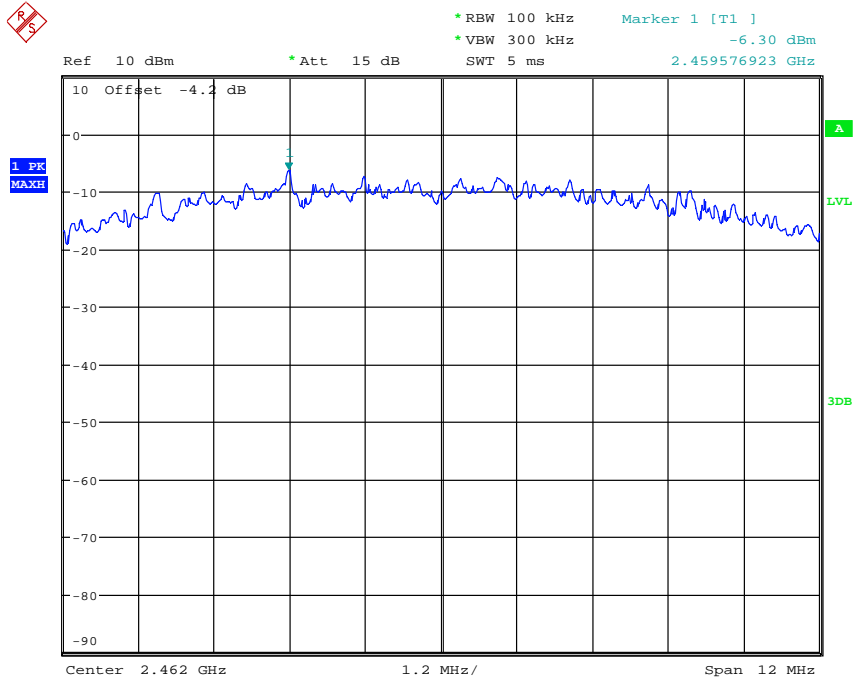


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



POWER DENSITY 802.11B CH06  
Date: 6.NOV.2013 18:45:26



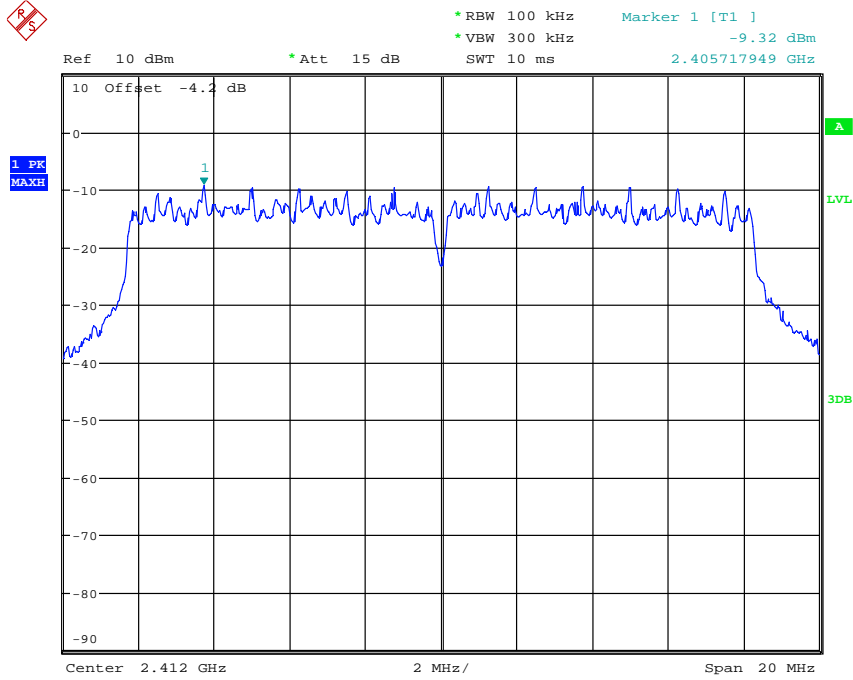
POWER DENSITY 802.11B CH11  
Date: 6.NOV.2013 18:46:01



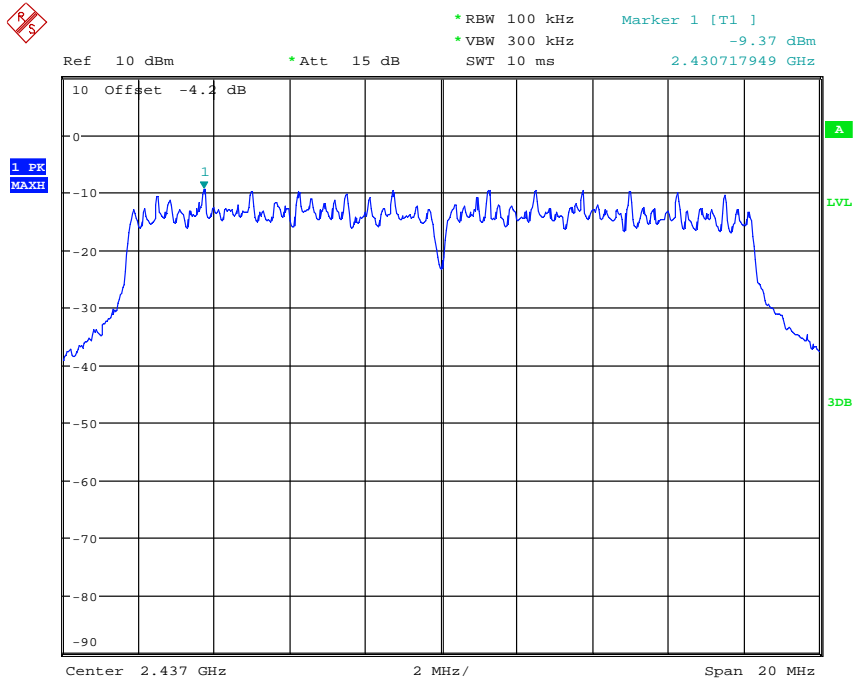
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Mode B



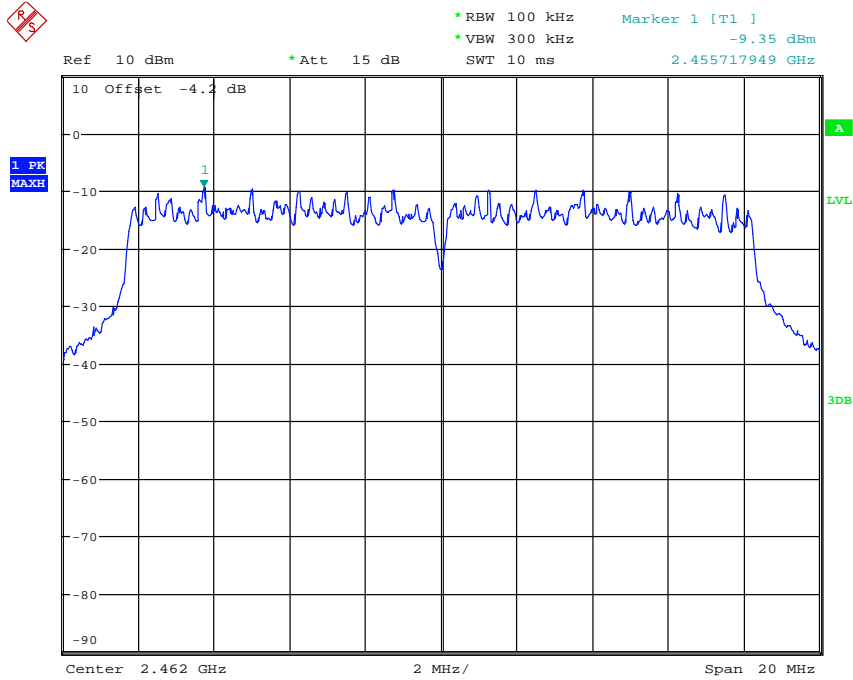
POWER DENSITY 802.11G CH01  
Date: 6.NOV.2013 18:46:54



POWER DENSITY 802.11G CH06  
Date: 6.NOV.2013 18:47:48

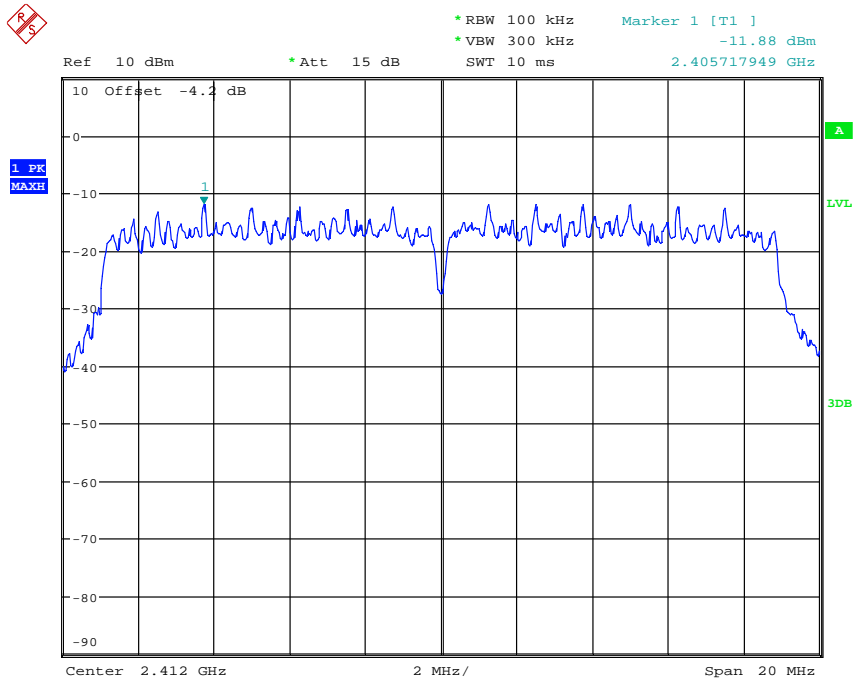


Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



POWER DENSITY 802.11G CH11  
Date: 6.NOV.2013 18:48:33

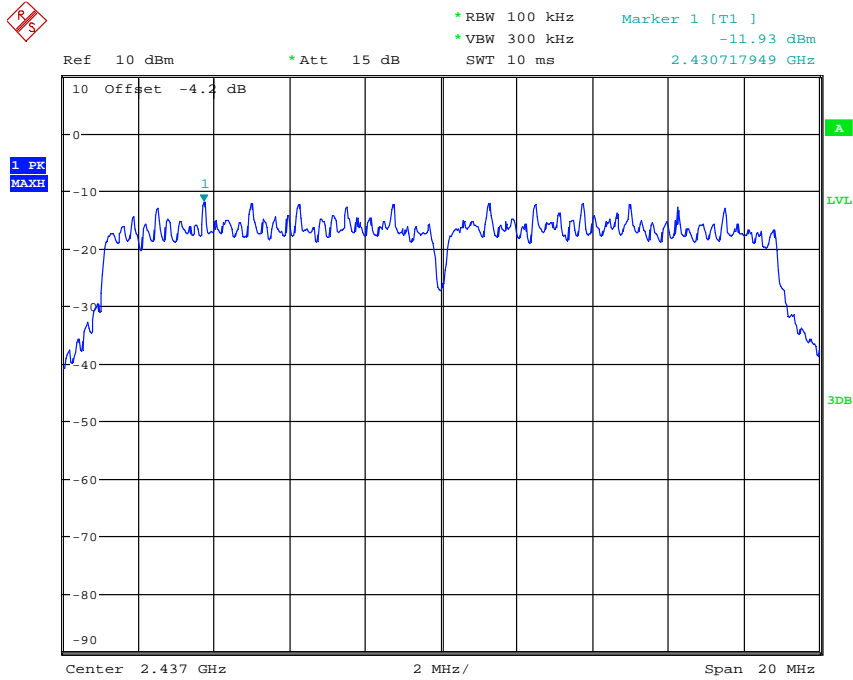
## Mode C



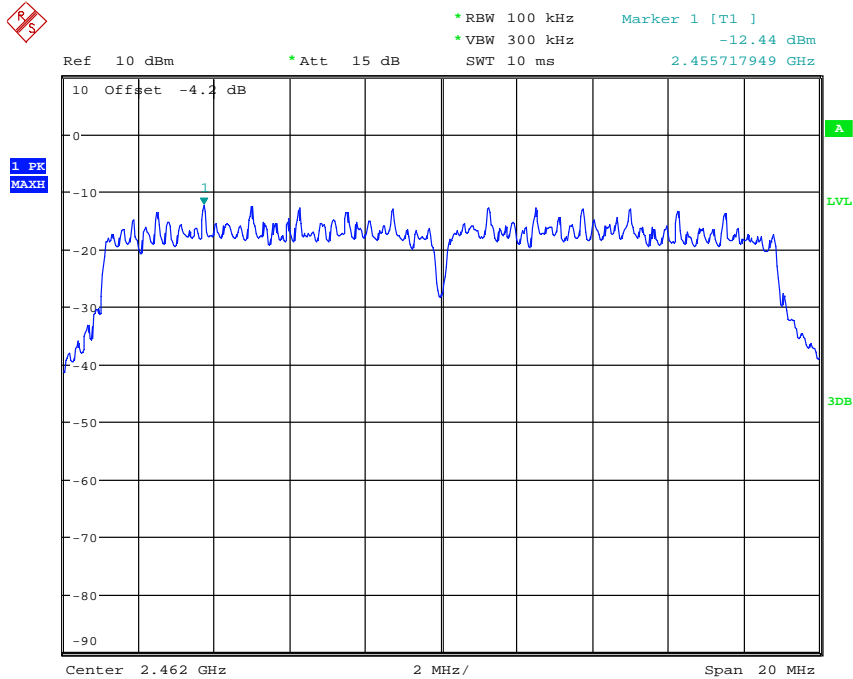
POWER DENSITY 802.11N 20MHZ CH01  
Date: 6.NOV.2013 18:49:24



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



POWER DENSITY 802.11N 20MHZ CH06  
Date: 6.NOV.2013 18:50:02



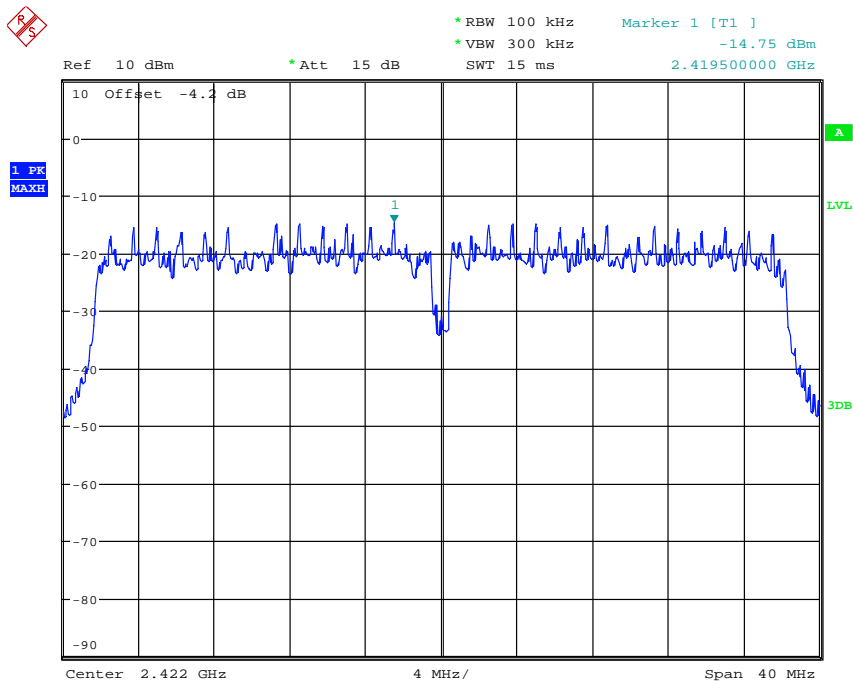
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Date: 6.NOV.2013 18:50:37



Registration number: W6R21309-13524-C-1

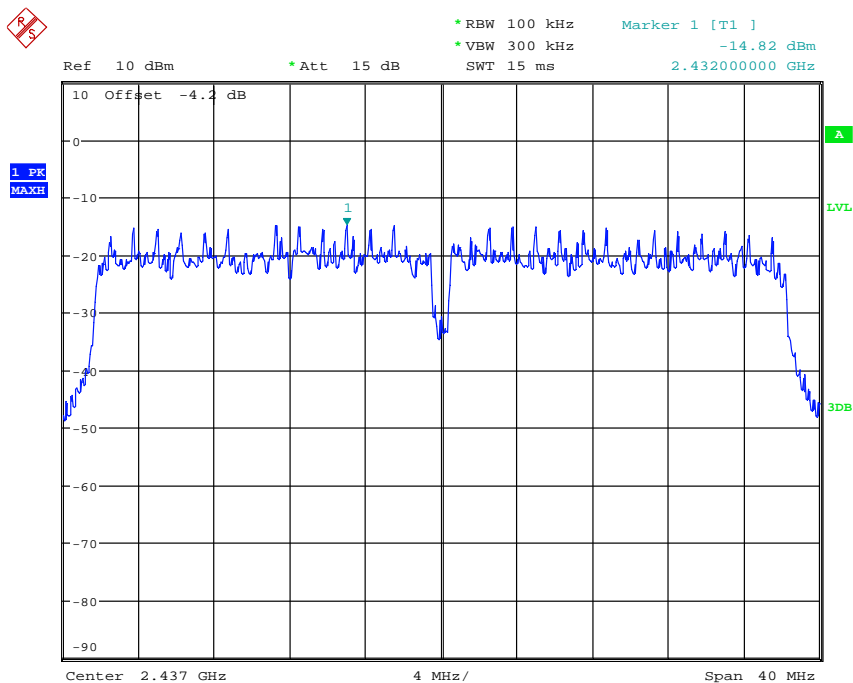
FCC ID: ZTT-REC10-2

Mode D



POWER DENSITY 802.11N 40MHZ CH01

Date: 6.NOV.2013 18:51:28



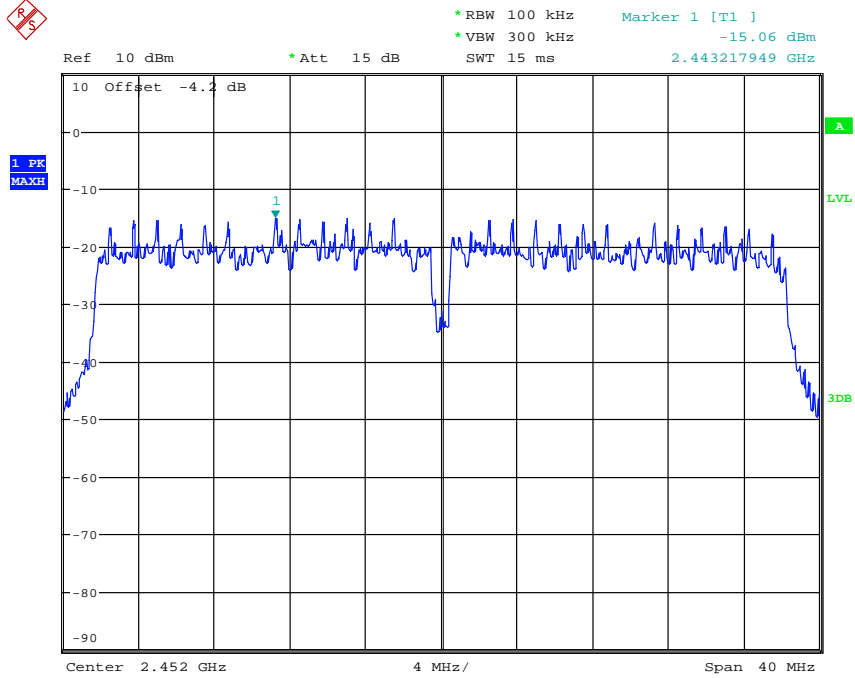
POWER DENSITY 802.11N 40MHZ CH04

Date: 6.NOV.2013 18:52:08



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2



POWER DENSITY 802.11n 40MHZ CH07  
 Date: 6.NOV.2013 18:52:46

Antenna A	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	0.074	0.076	0.068	-11.30	-11.22	-11.67
802.11n 40MHz	0.037	0.038	0.037	-14.29	-14.25	-14.28
Antenna B	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	0.065	0.064	0.057	-11.88	-11.93	-12.44
802.11n 40MHz	0.033	0.033	0.031	-14.75	-14.82	-15.06
Combine	mW			dBm		
	Ch Low	Ch Mid	Ch High	Ch Low	Ch Mid	Ch High
802.11n 20MHz	0.139	0.140	0.125	-8.570	-8.539	-9.031
802.11n 40MHz	0.070	0.071	0.068	-11.549	-11.487	-11.675

**Limits:**

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

Test equipment used: ETSTW-RE 055, ETSTW-RE 050



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

**3.9 Radiated Emission from Digital Part**

FCC Rule: 15.109

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 (MHz)	Field Strength (microvolts/meter)	Field Strength (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 055, ETSTW-RE 064, ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 111

Explanation: The test results are listed in the separated test report no.: W6R21309-13524-P-15B.

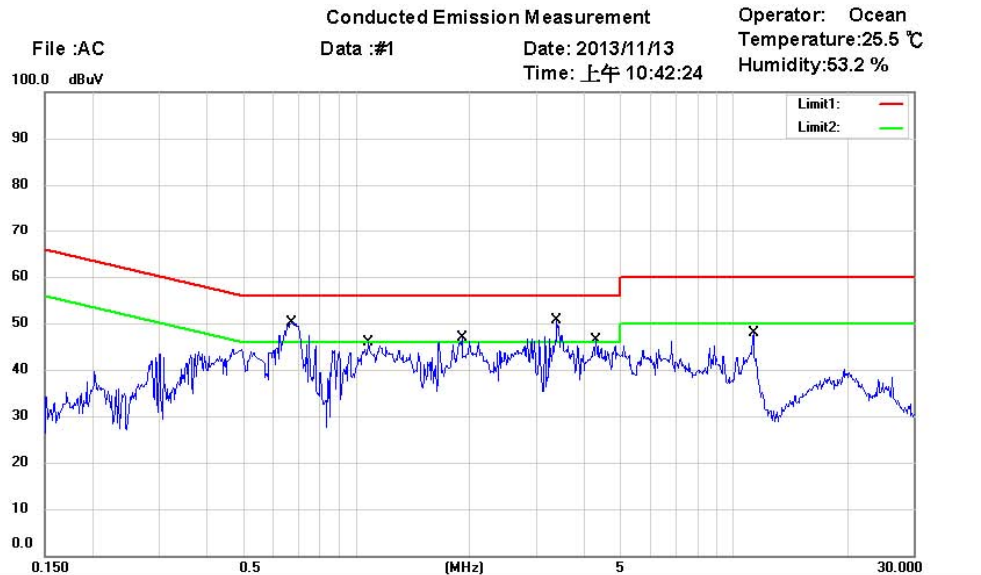


Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

### 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.



File :AC  
 Data :#1  
 Date: 2013/11/13  
 Time: 上午 10:42:24  
 Operator: Ocean  
 Temperature:25.5 °C  
 Humidity:53.2 %

Site : Chamber\_03  
 Condition : FCC Part 15 Class B Conduction (QP)  
 EUT : W6R21309-13524  
 M/N: REC10  
 Test Mode :  
 Note :

Phase: N  
 Power : 120VAC

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.6763	39.81	QP	10.13	49.94	56.00	-6.06	
	0.6763	29.79	AVG	10.13	39.92	46.00	-6.08	
	1.0814	32.91	QP	10.14	43.05	56.00	-12.95	
	1.0814	20.23	AVG	10.14	30.37	46.00	-15.63	
	1.9005	30.91	QP	10.18	41.09	56.00	-14.91	
	1.9005	18.03	AVG	10.18	28.21	46.00	-17.79	
	3.3890	31.80	QP	10.27	42.07	56.00	-13.93	
	3.3890	19.34	AVG	10.27	29.61	46.00	-16.39	
	4.3092	29.31	QP	10.34	39.65	56.00	-16.35	
	4.3092	18.42	AVG	10.34	28.76	46.00	-17.24	
	11.2614	27.41	QP	10.64	38.05	60.00	-21.95	
	11.2614	19.73	AVG	10.64	30.37	50.00	-19.63	



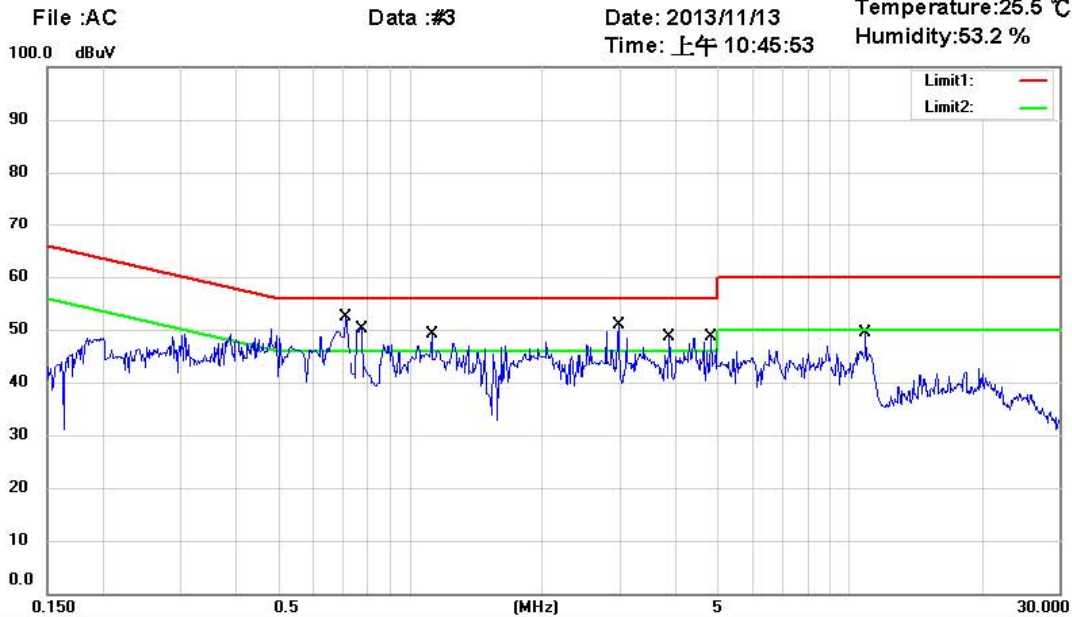


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
 FCC ID: ZTT-REC10-2

Conducted Emission Measurement

Operator: Ocean  
 Temperature: 25.5 °C  
 Humidity: 53.2 %



Site : Chamber\_03

Condition : FCC Part 15 Class B Conduction (QP)

Phase: L1

EUT : W6R21309-13524

Power : 120VAC

M/N: REC10

Test Mode :

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.7115	33.16	QP	10.13	43.29	56.00	-12.71	
	0.7115	11.93	AVG	10.13	22.06	46.00	-23.94	
	0.7767	30.63	QP	10.13	40.76	56.00	-15.24	
	0.7767	10.24	AVG	10.13	20.37	46.00	-25.63	
	1.1126	32.87	QP	10.15	43.02	56.00	-12.98	
	1.1126	18.03	AVG	10.15	28.18	46.00	-17.82	
	2.9728	29.13	QP	10.26	39.39	56.00	-16.61	
	2.9728	15.05	AVG	10.26	25.31	46.00	-20.69	
	3.8596	23.14	QP	10.33	33.47	56.00	-22.53	
	3.8596	9.51	AVG	10.33	19.84	46.00	-26.16	
	4.8043	28.86	QP	10.41	39.27	56.00	-16.73	
	4.8043	15.60	AVG	10.41	26.01	46.00	-19.99	
	10.8750	29.91	QP	10.74	40.65	60.00	-19.35	
	10.8750	21.20	AVG	10.74	31.94	50.00	-18.06	

- Note:**
- The formula of measured value as: Test Result = Reading + Correction Factor
  - The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss
  - Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average
  - All not in the table noted test results are more than 20 dB below the relevant limits.
  - Measurement uncertainty = ±1.60 dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
  - Up Line: QP Limit Line, Down Line: Ave Limit Line.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

**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 004, ETSTW-CE 006, ETSTW-RE 045



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## **Appendix**

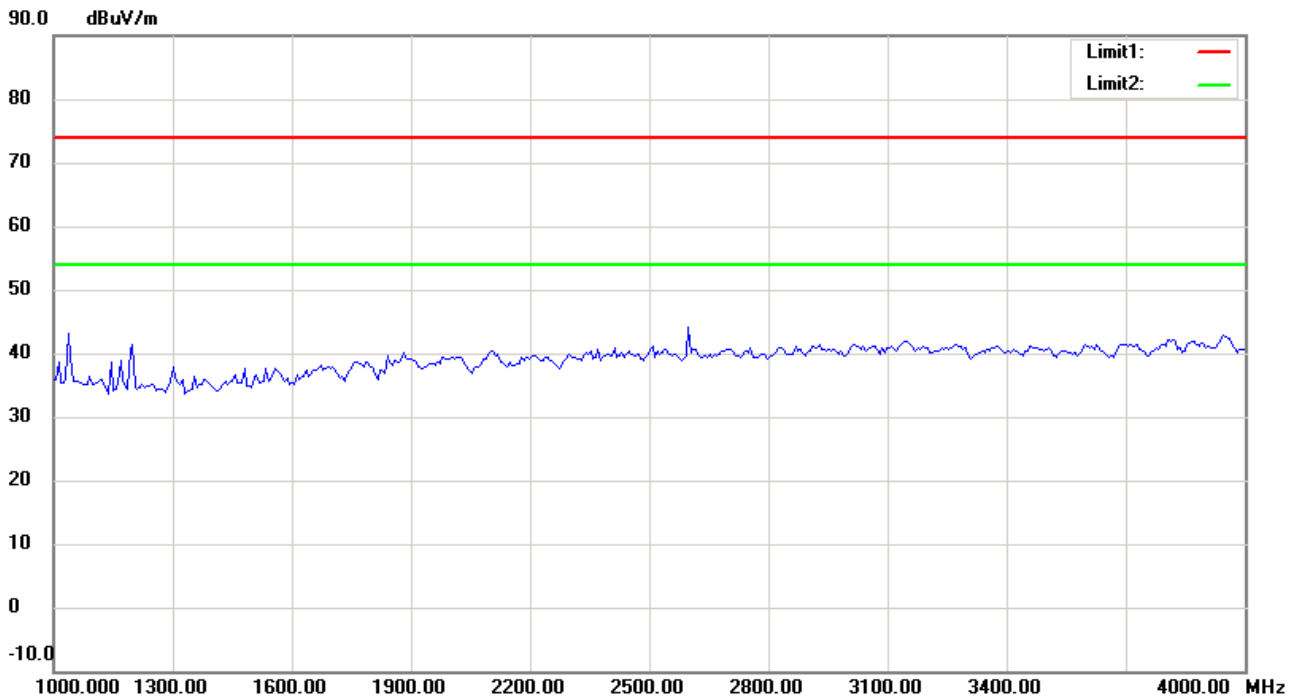
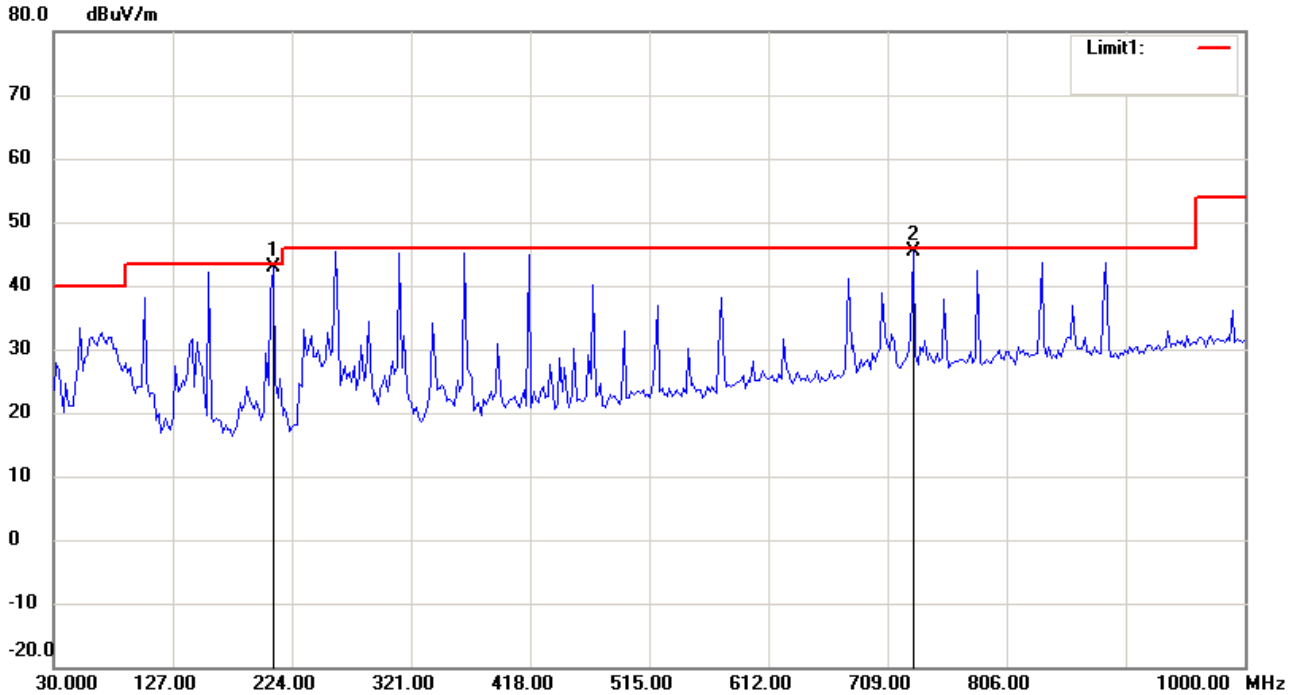
### **Measurement diagrams**

Spurious Emissions radiated



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Radiated Emission-Transmitter Antenna A 802.11b CH1 Antenna Polarization H



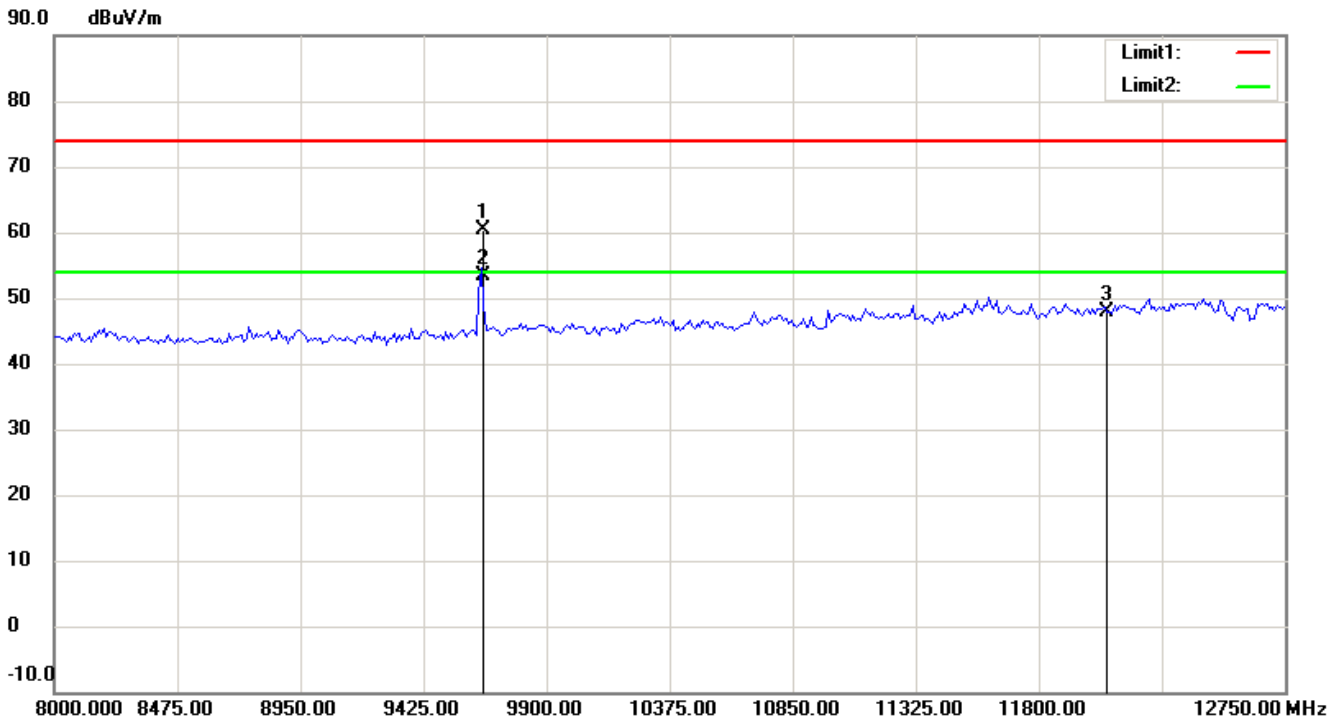
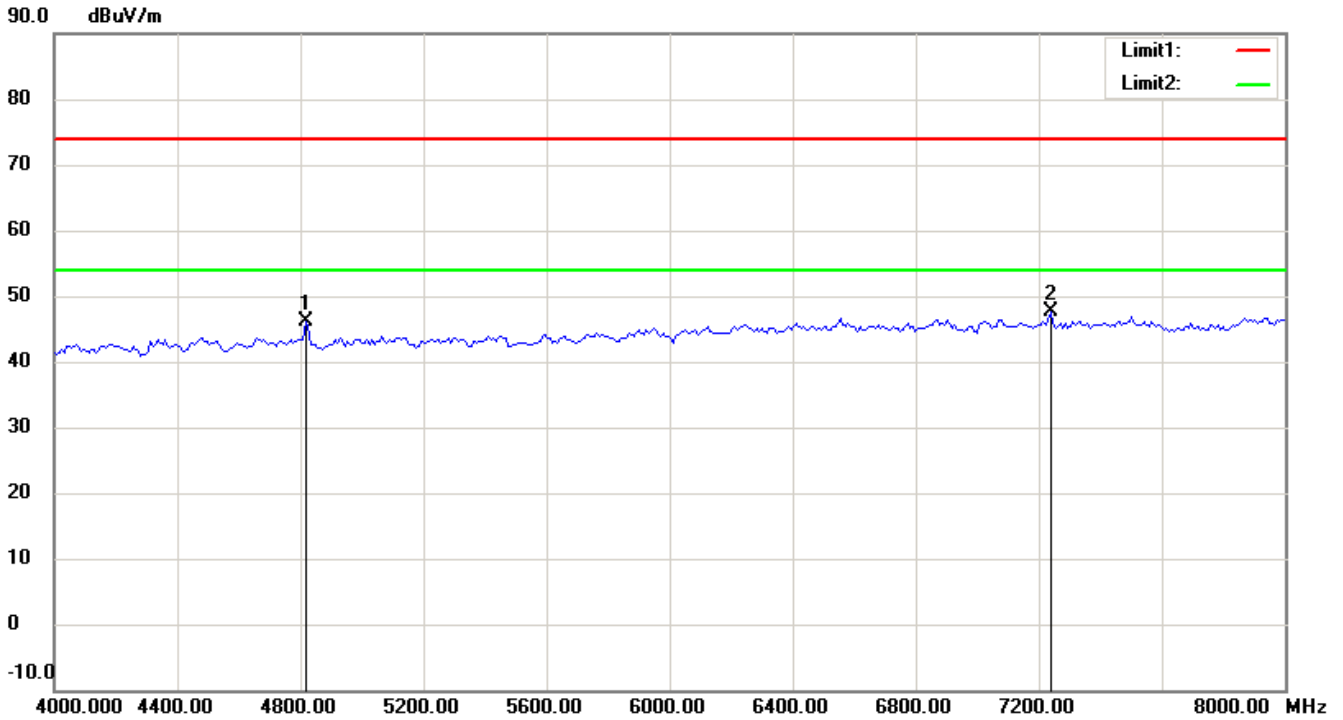
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

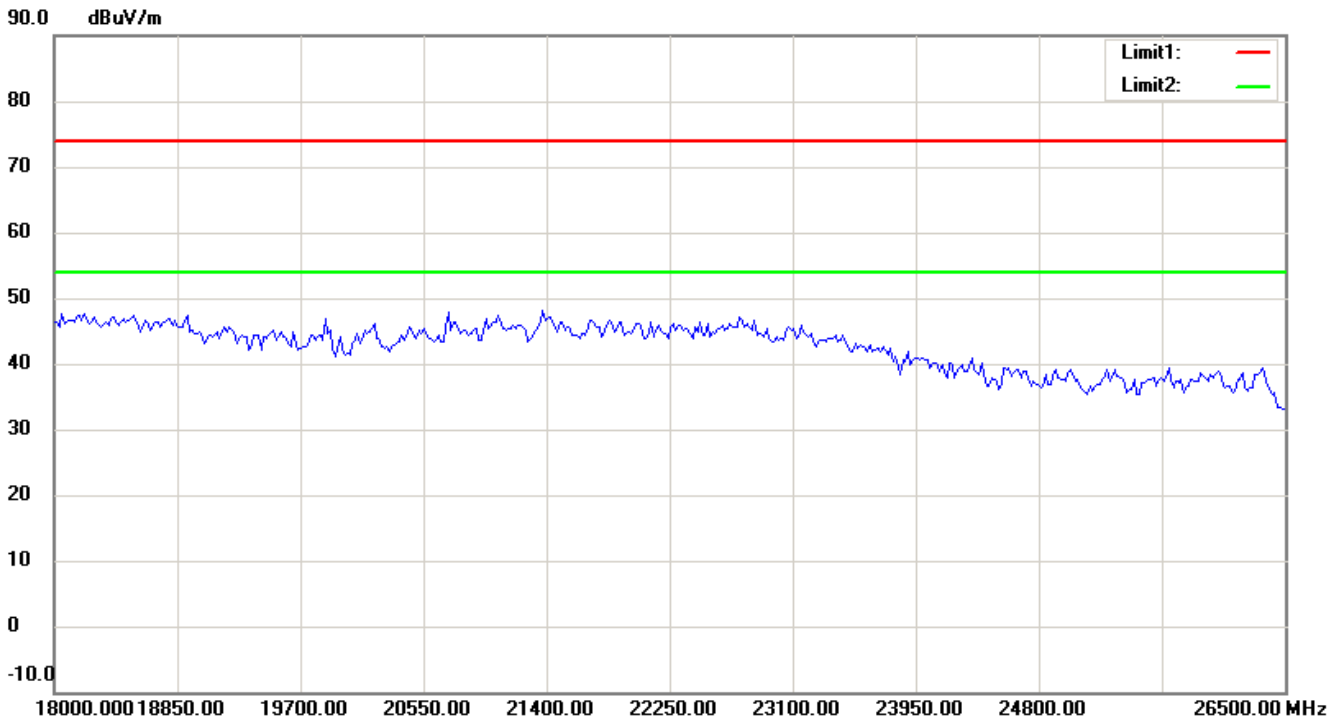
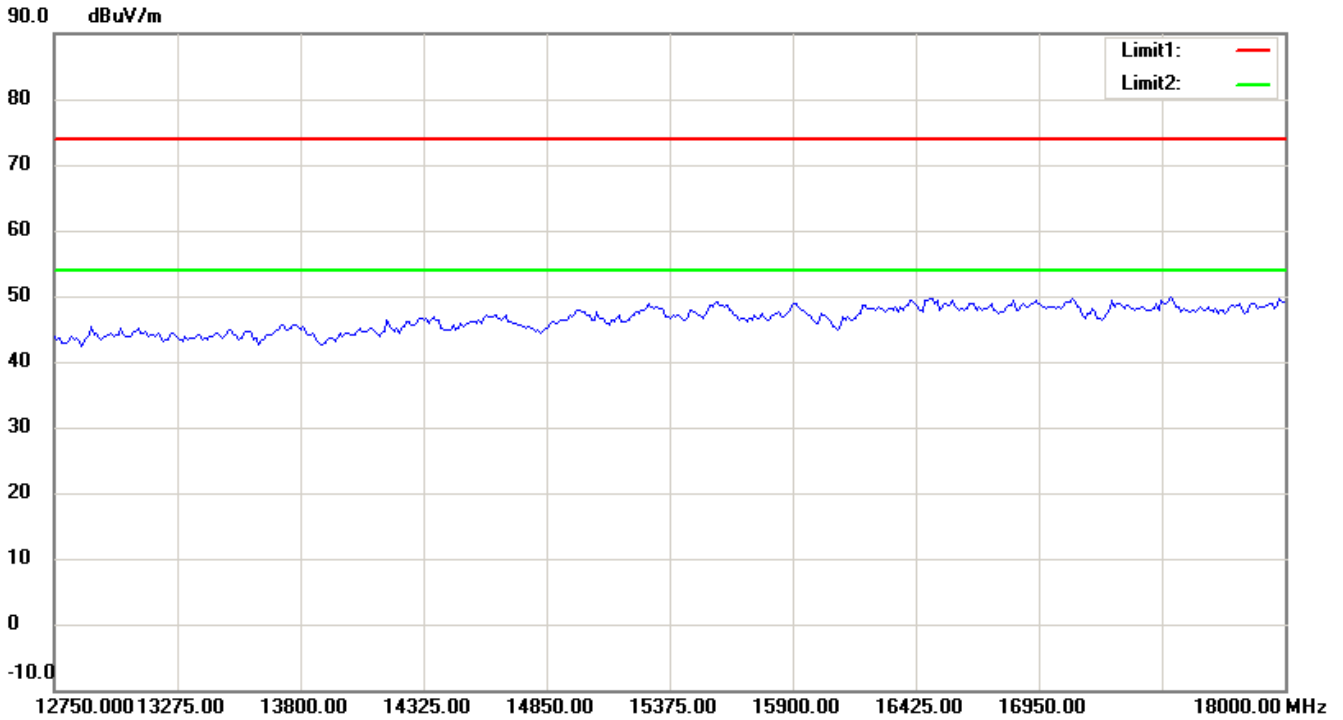
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

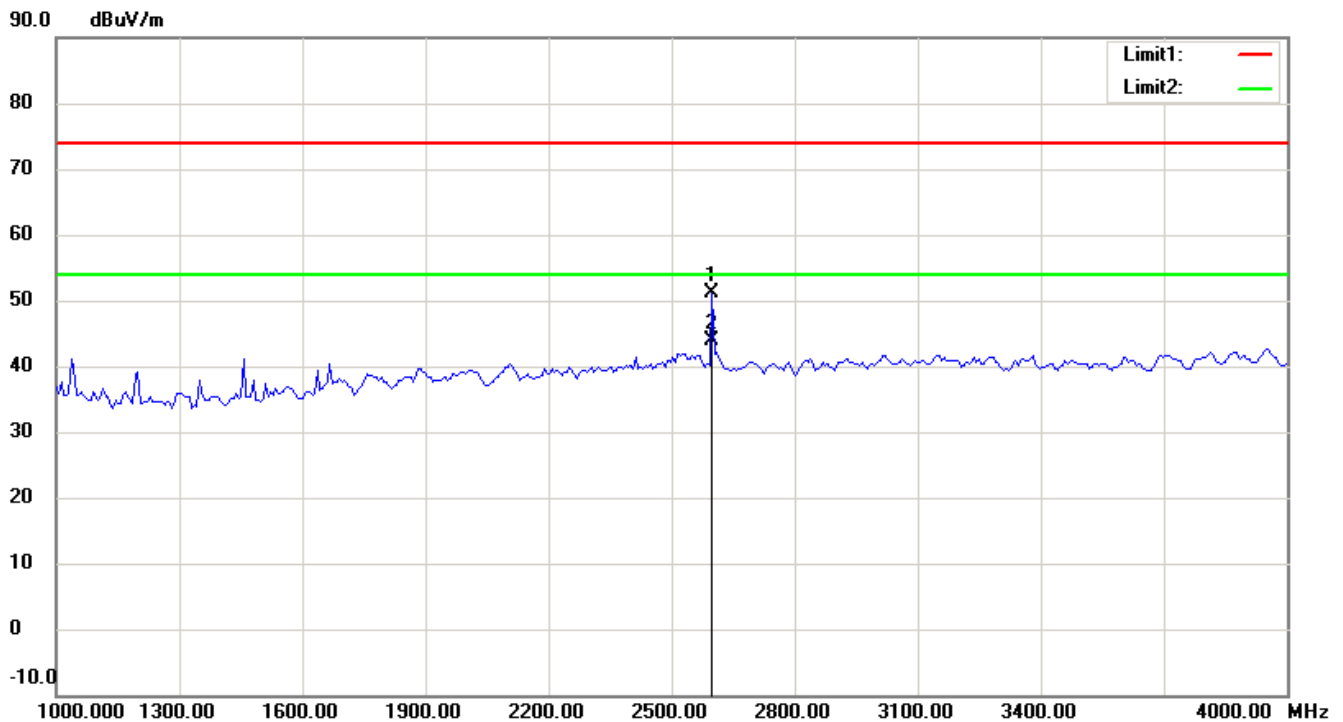
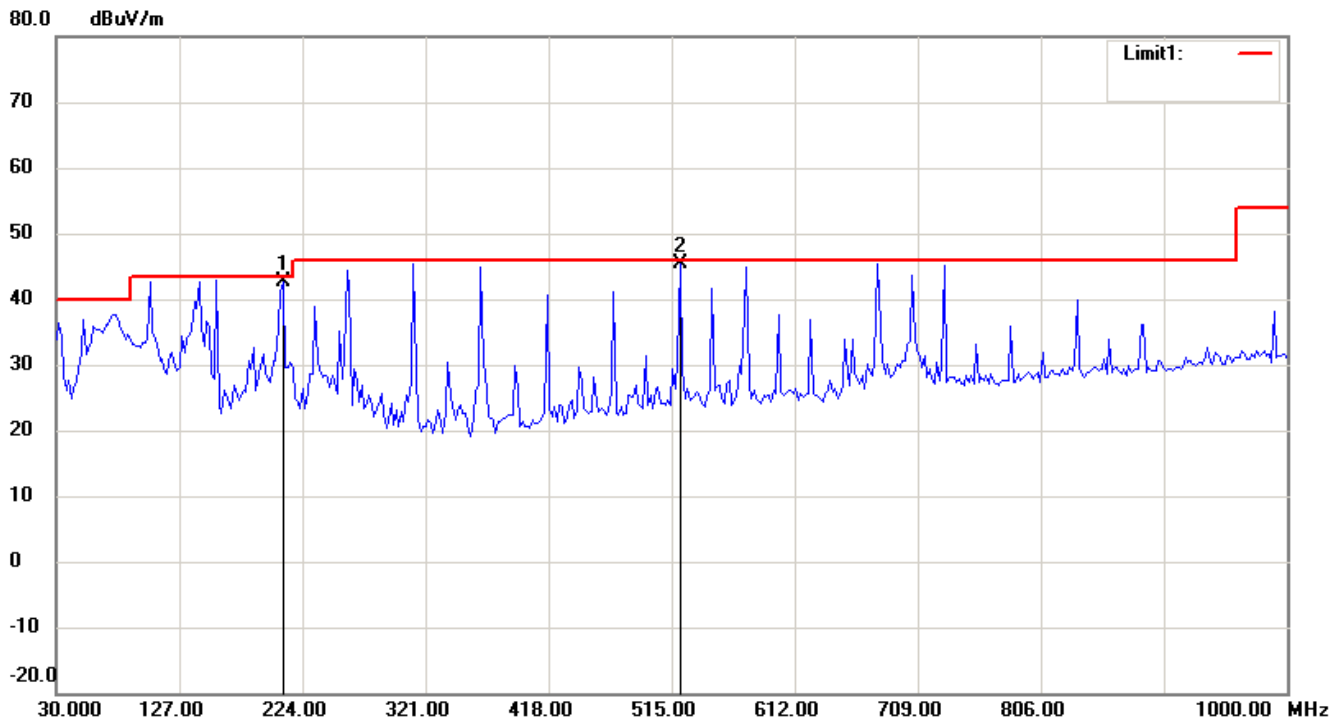
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



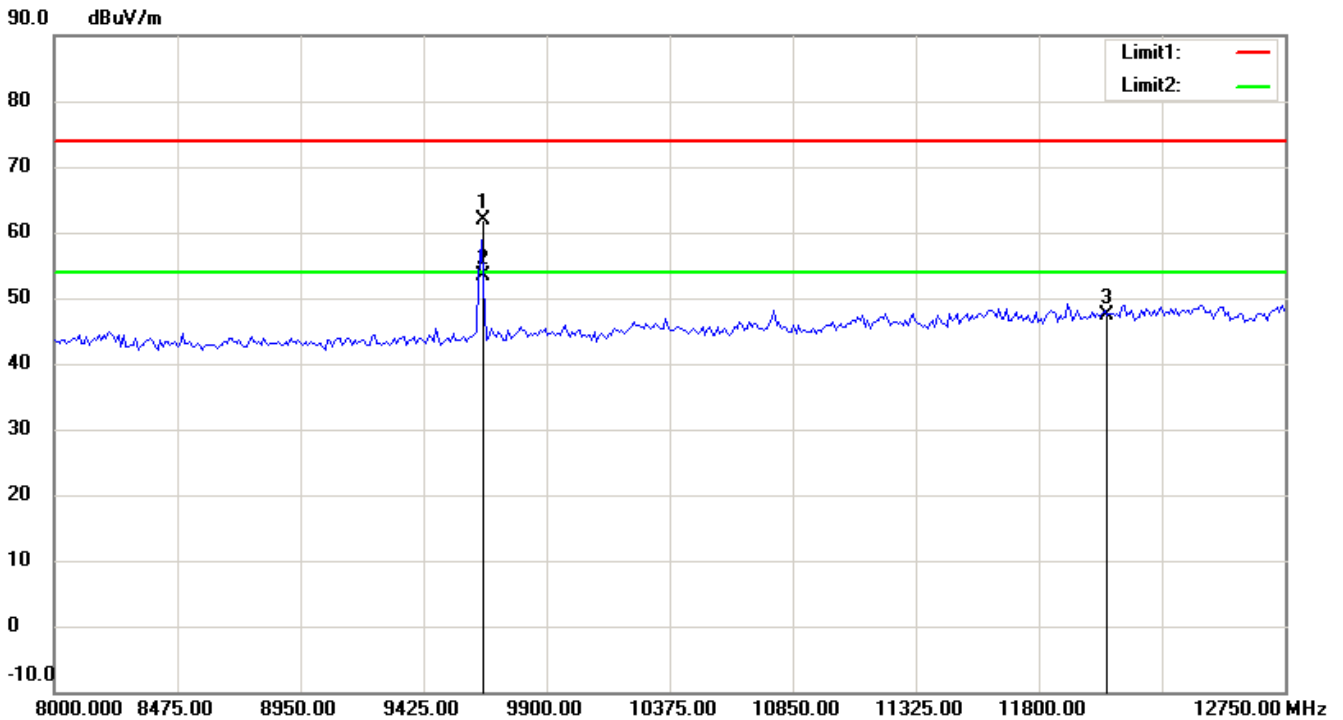
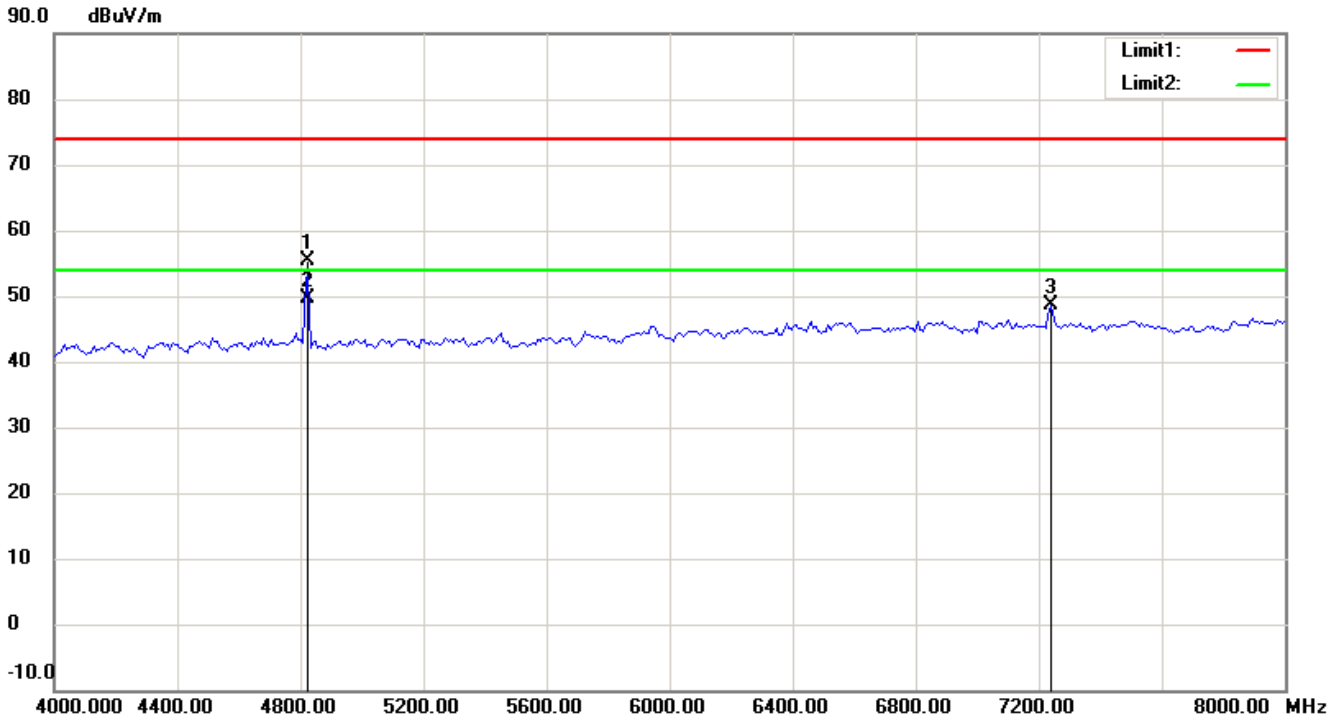
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

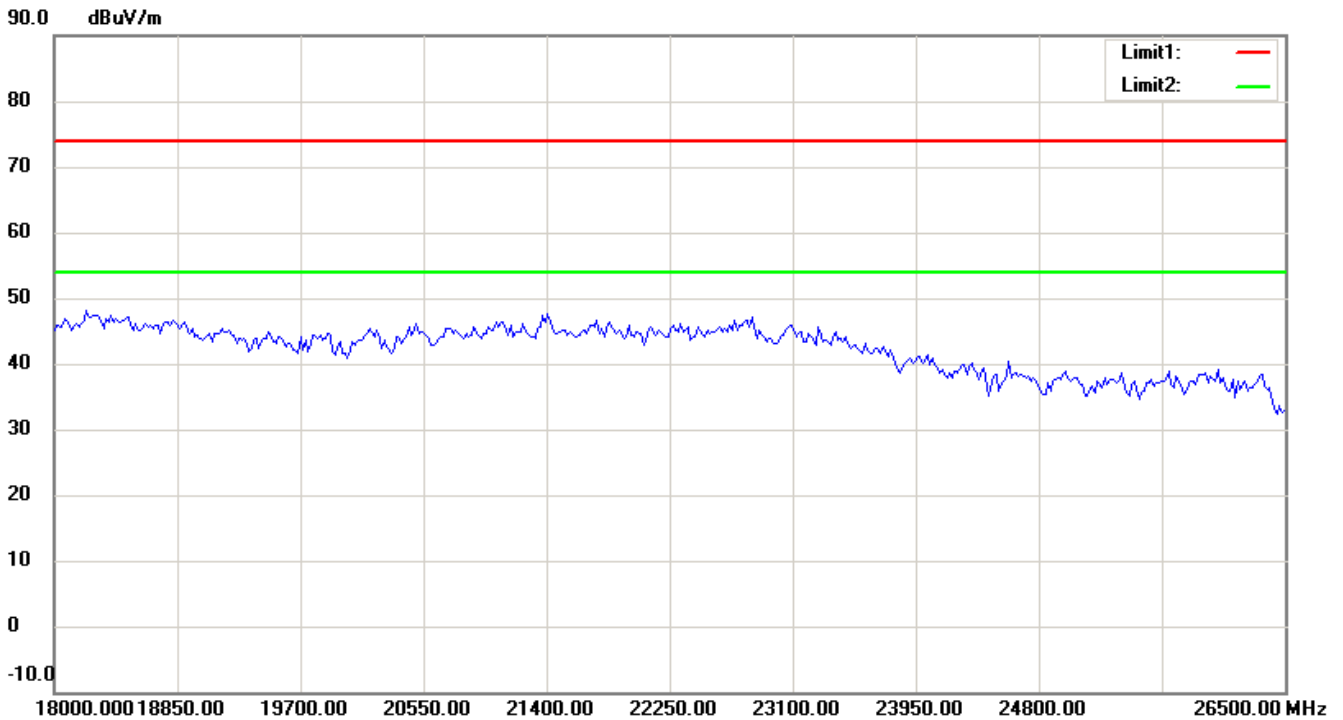
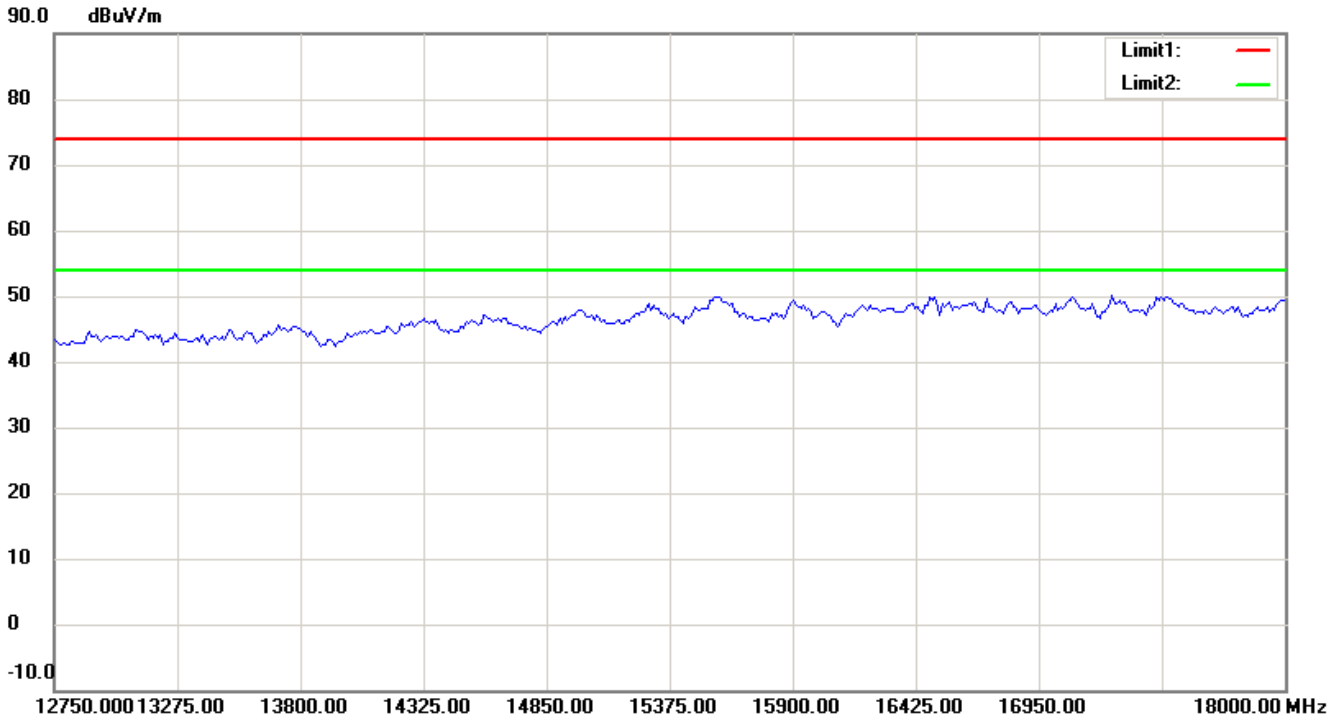
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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





# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

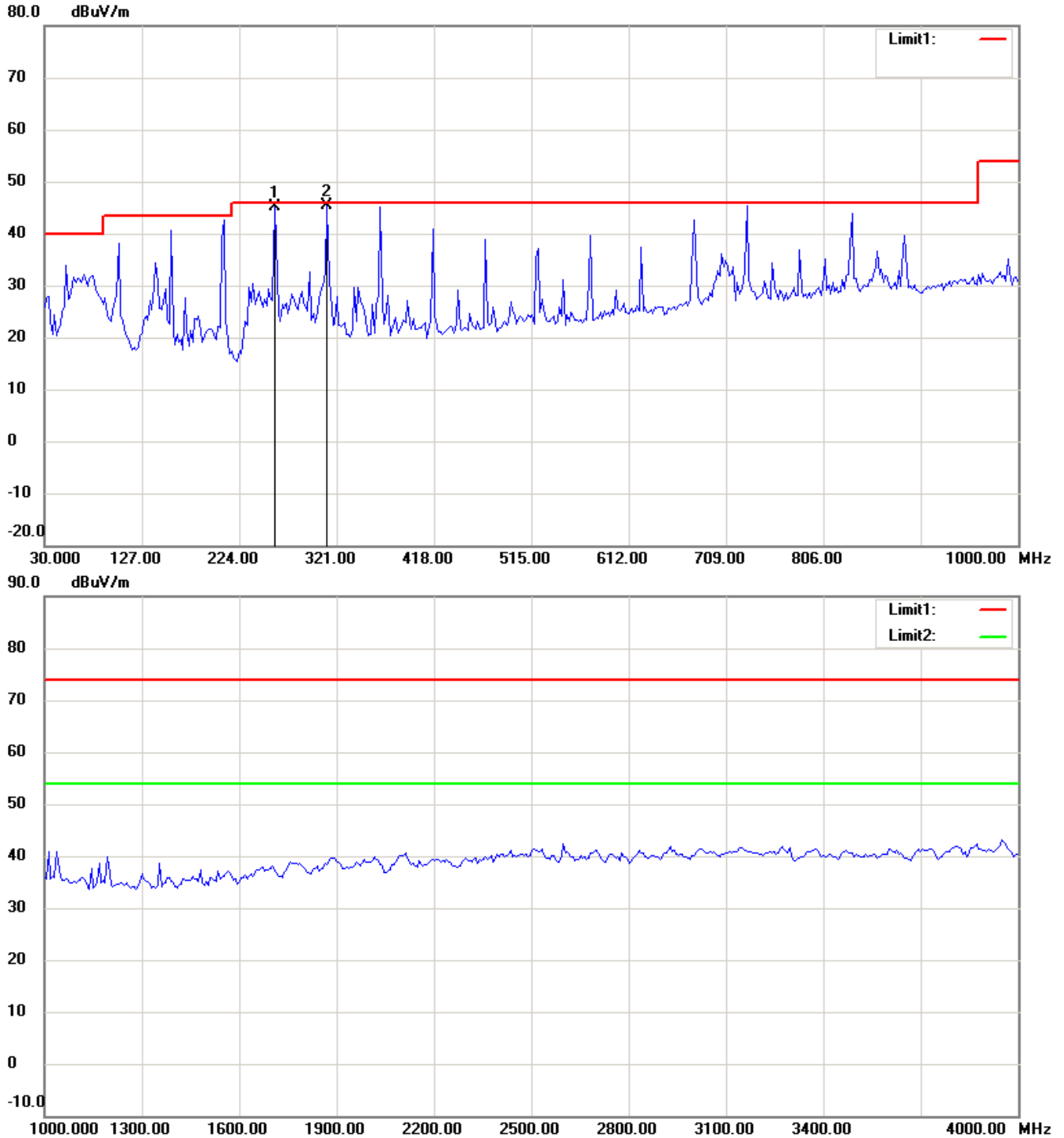
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11b CH6

### Antenna Polarization H



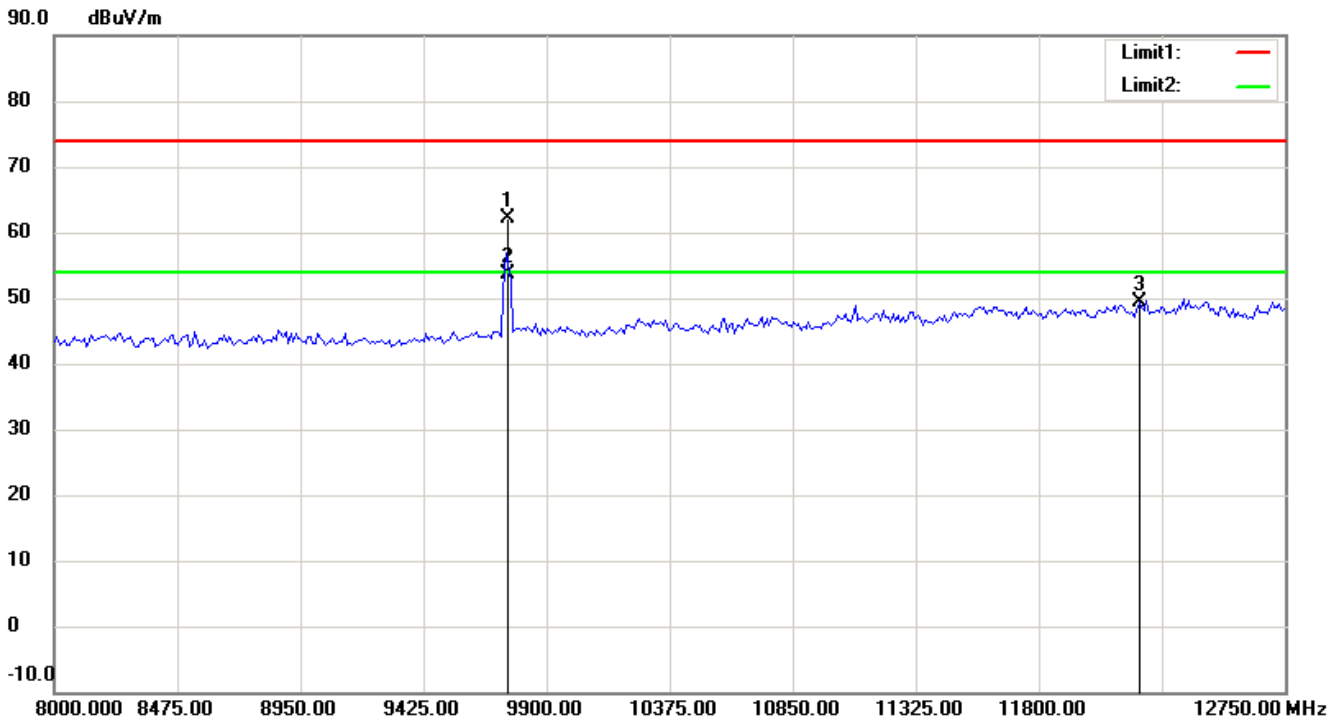
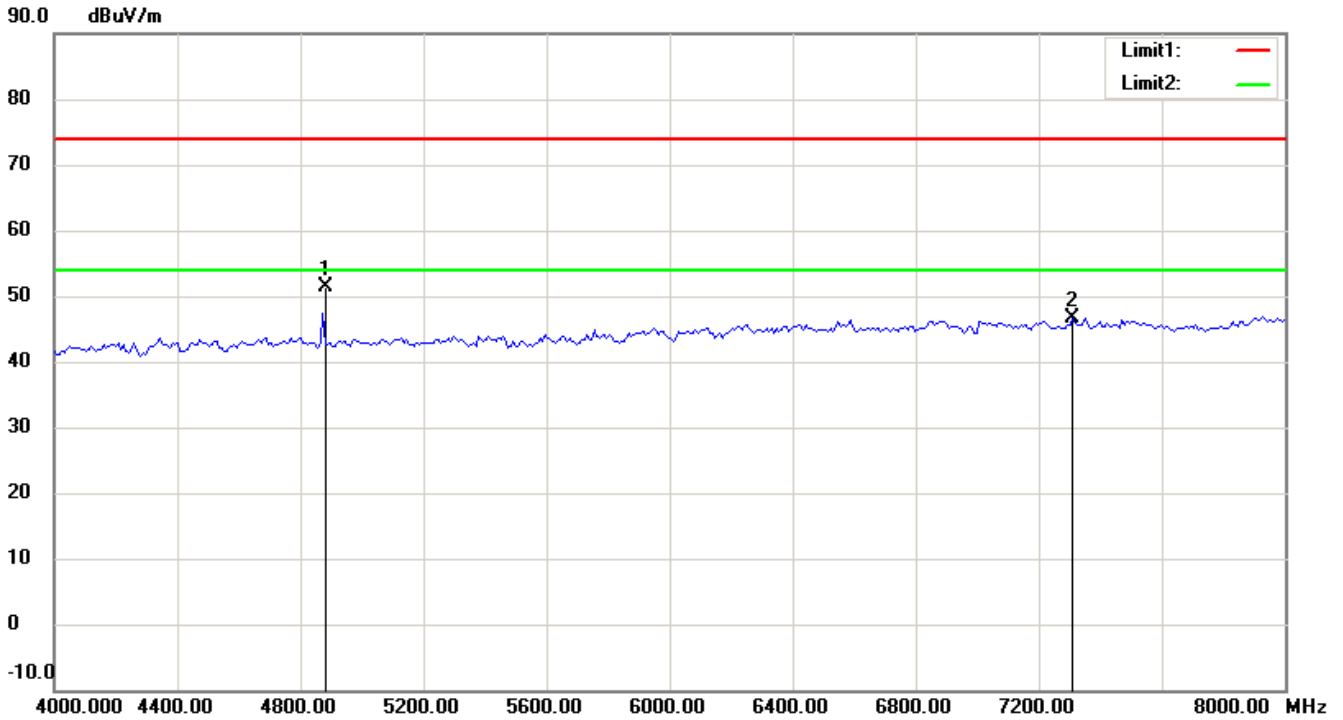
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

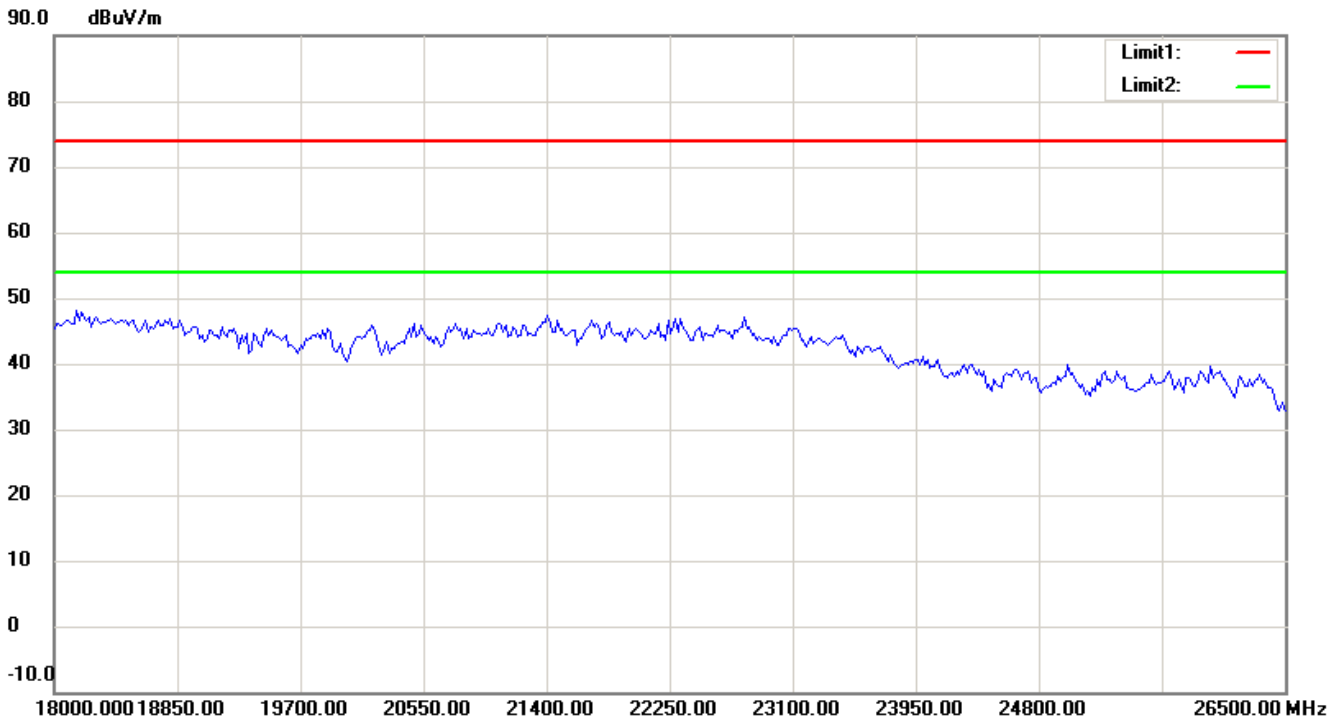
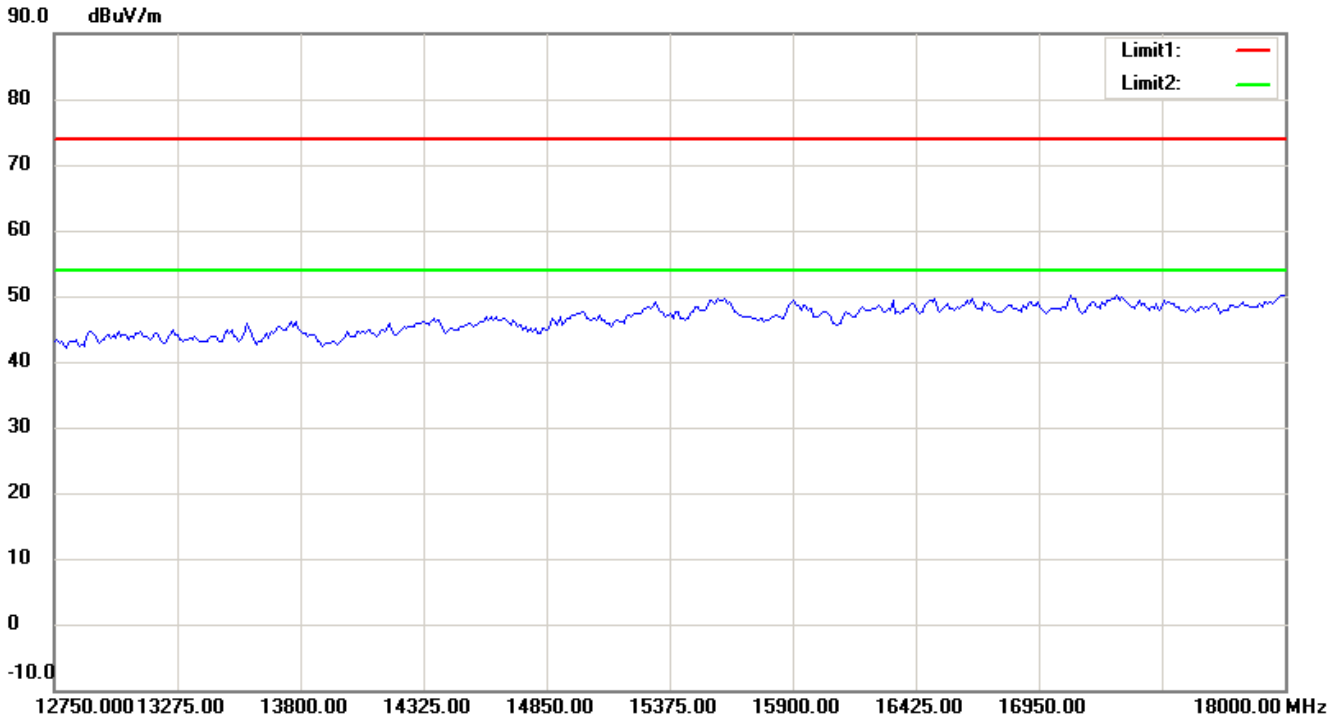
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

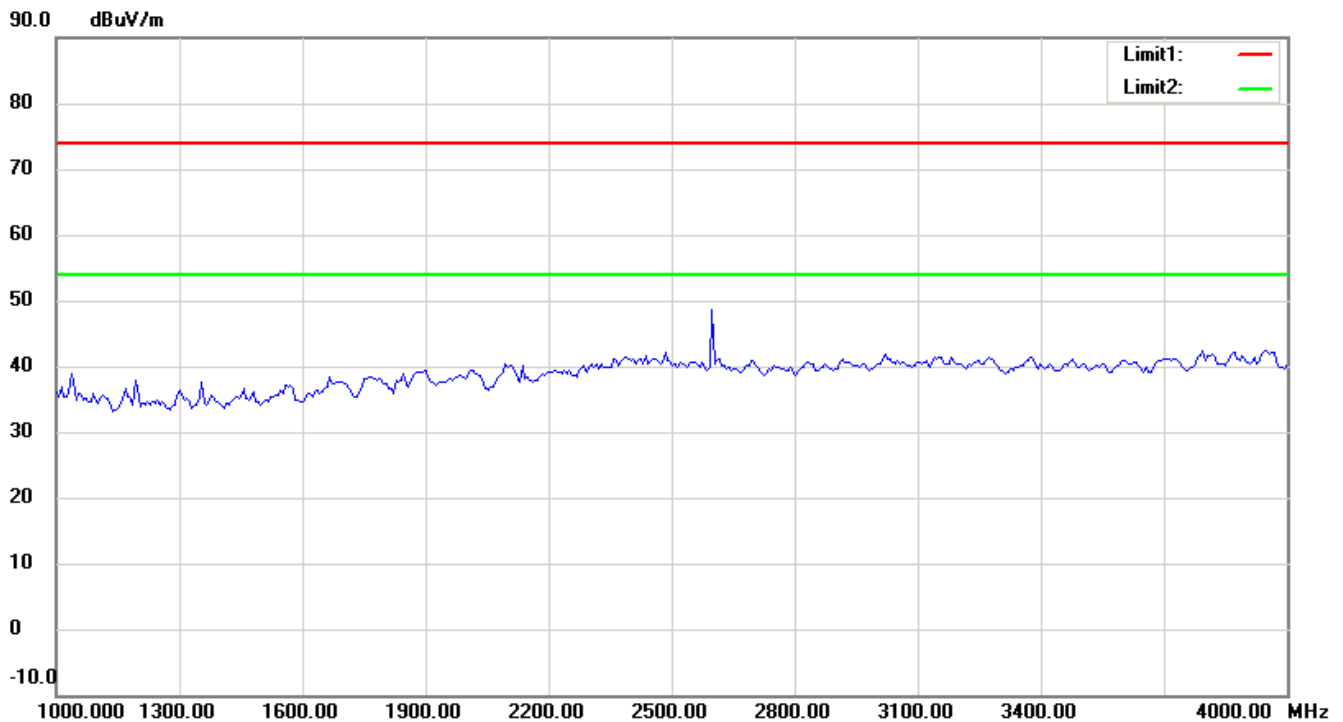
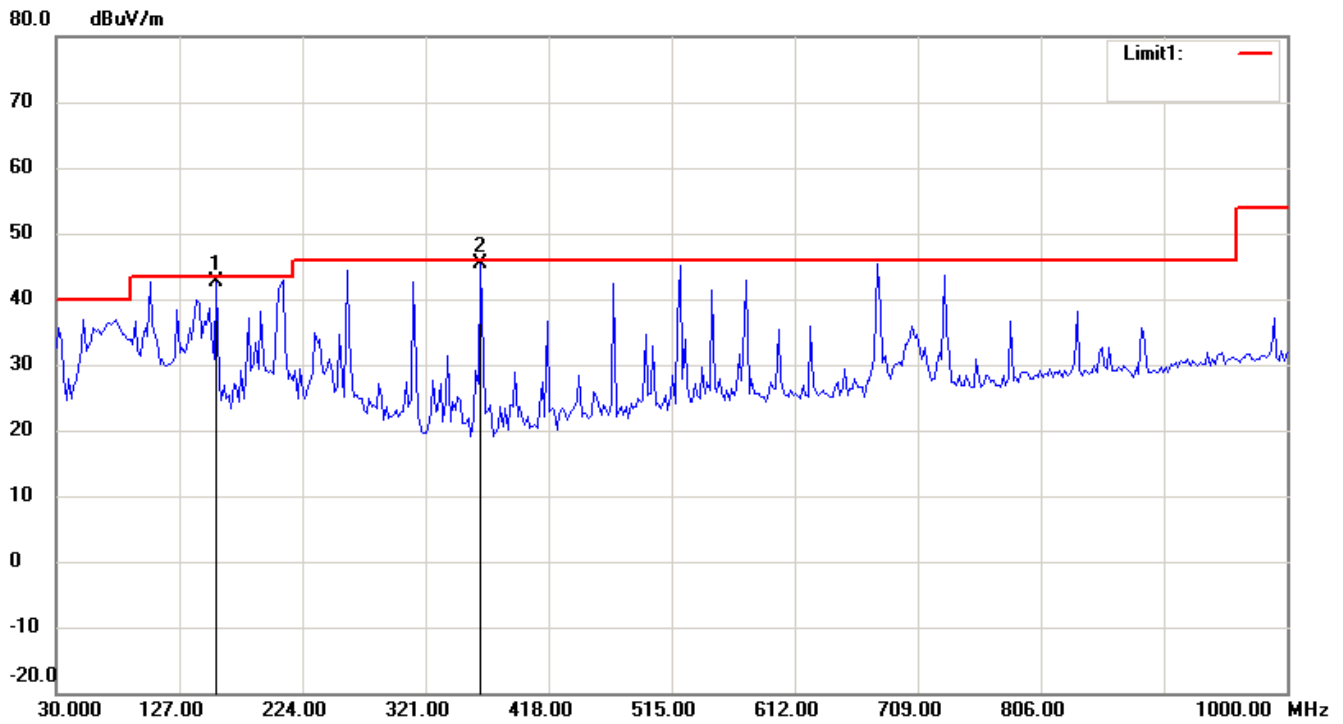
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



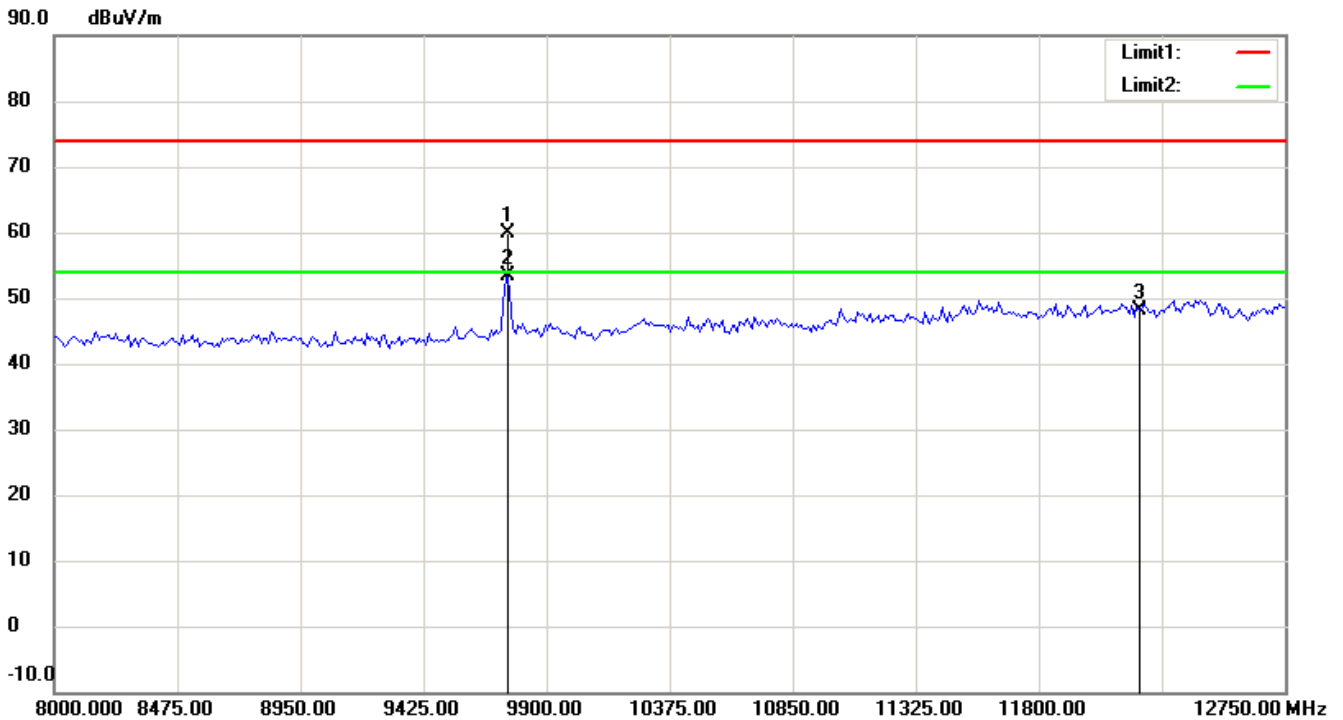
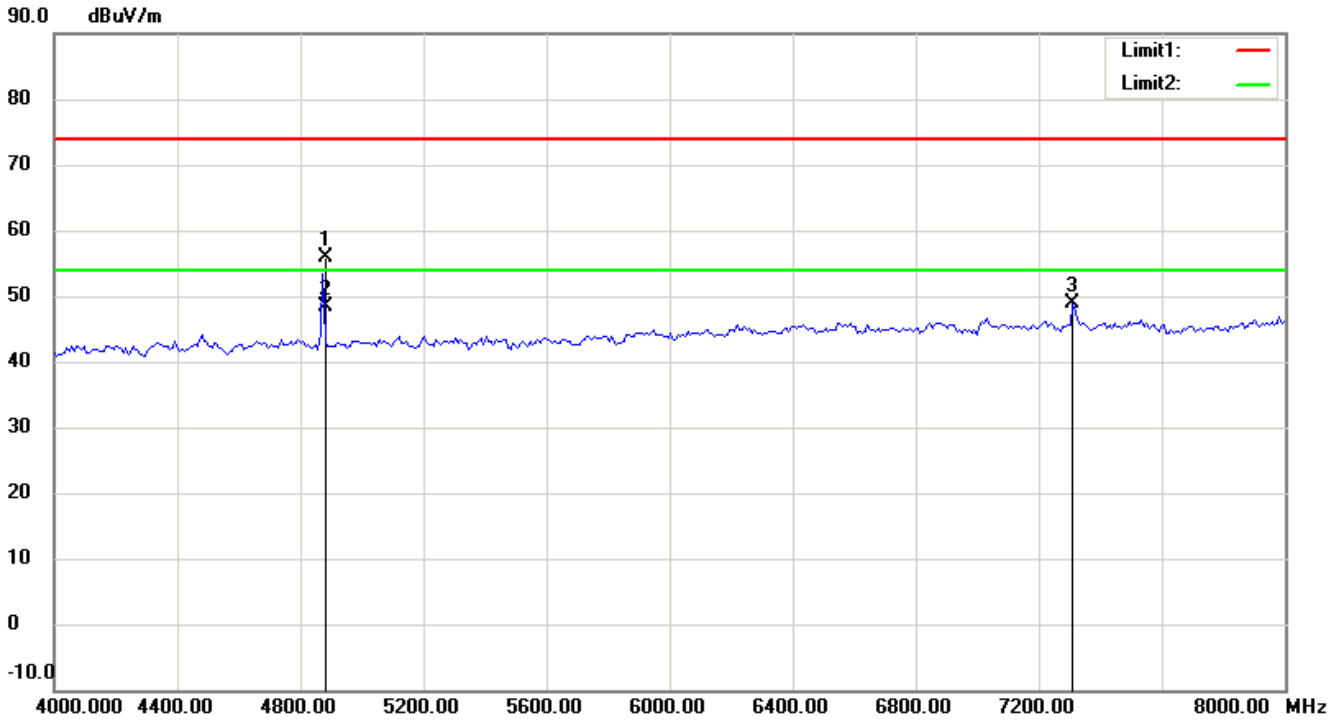
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

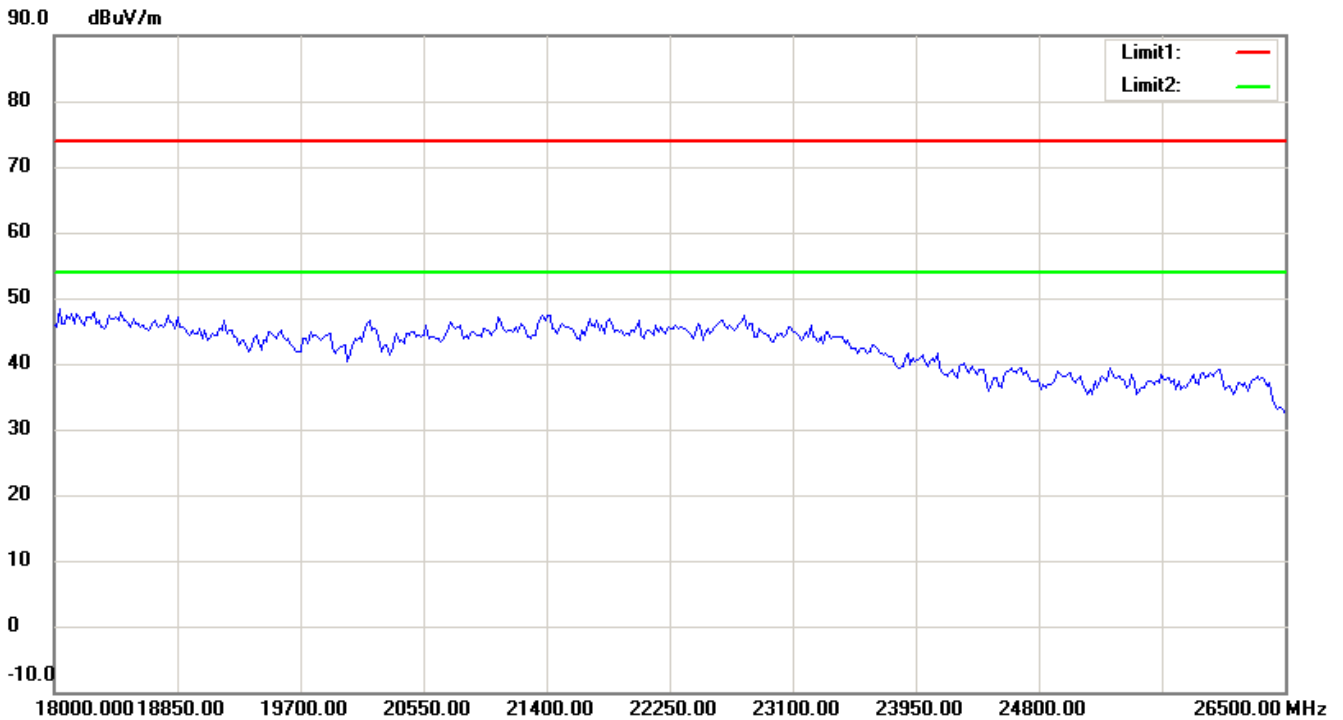
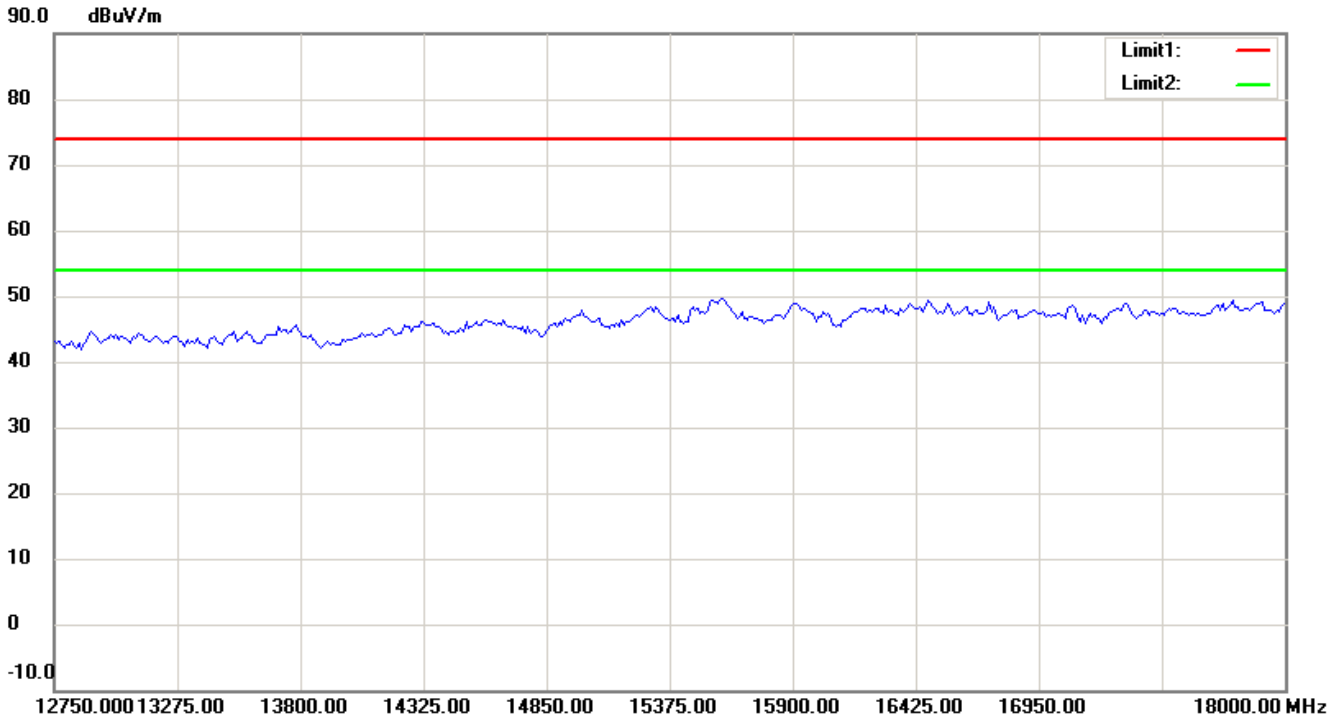
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

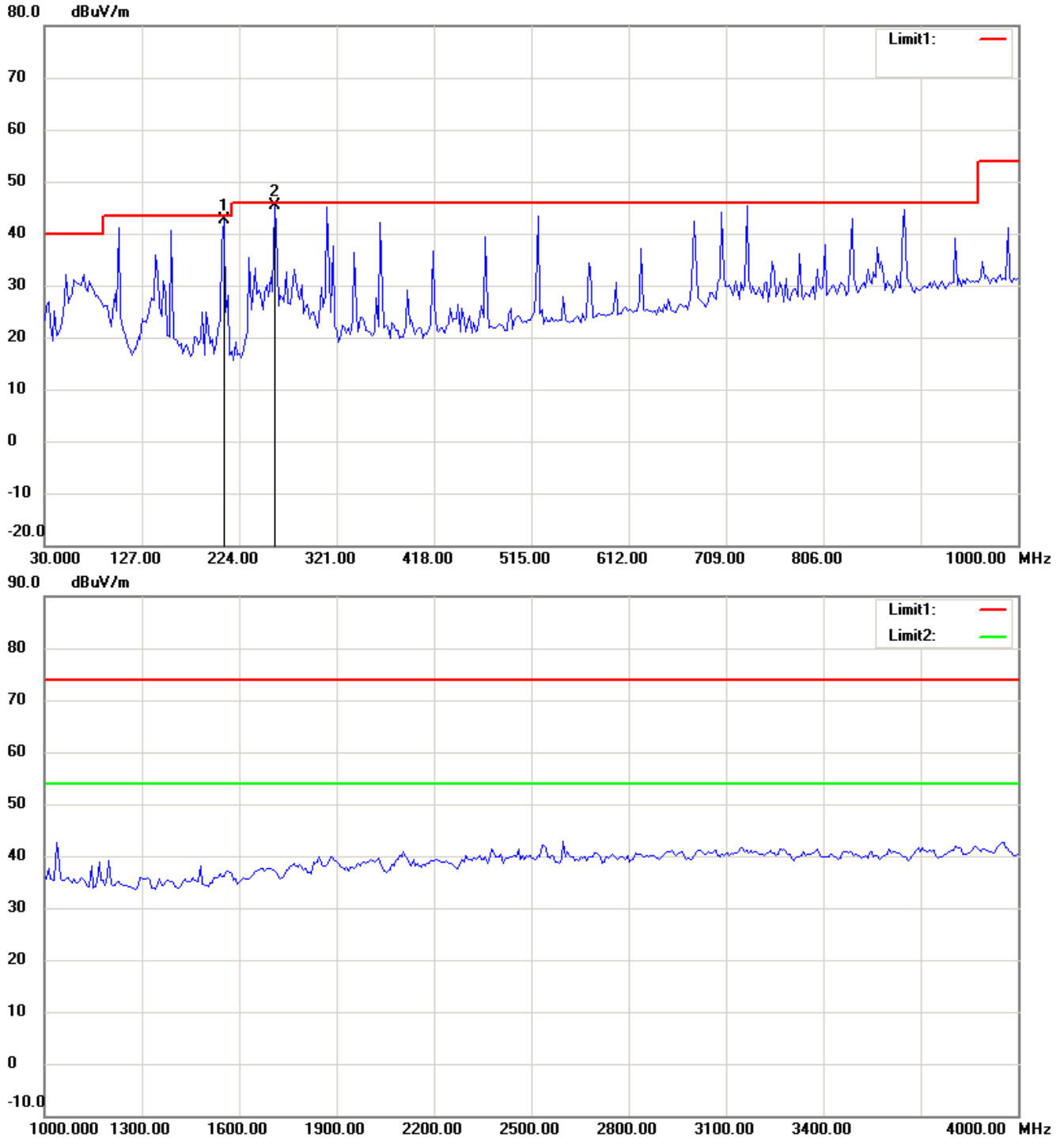
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11b CH11

### Antenna Polarization H



Up Line: Peak Limit Line Down Line: Ave Limit Line

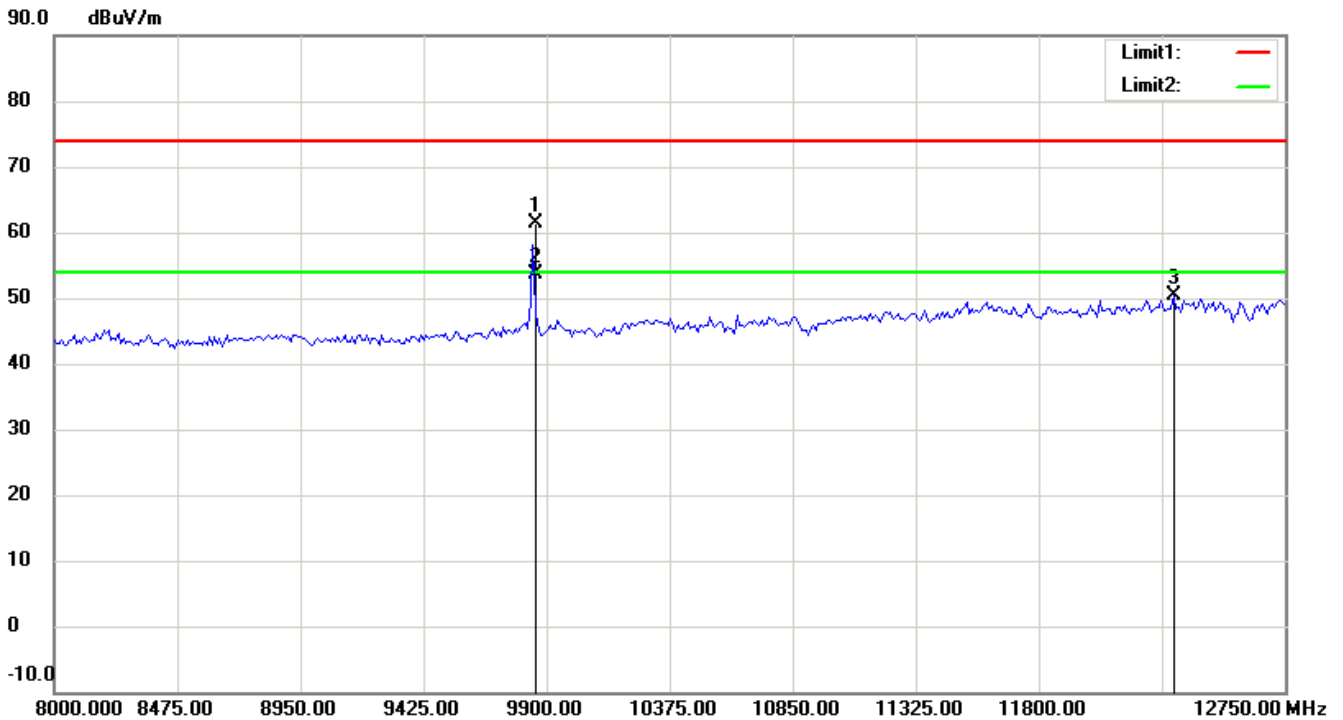
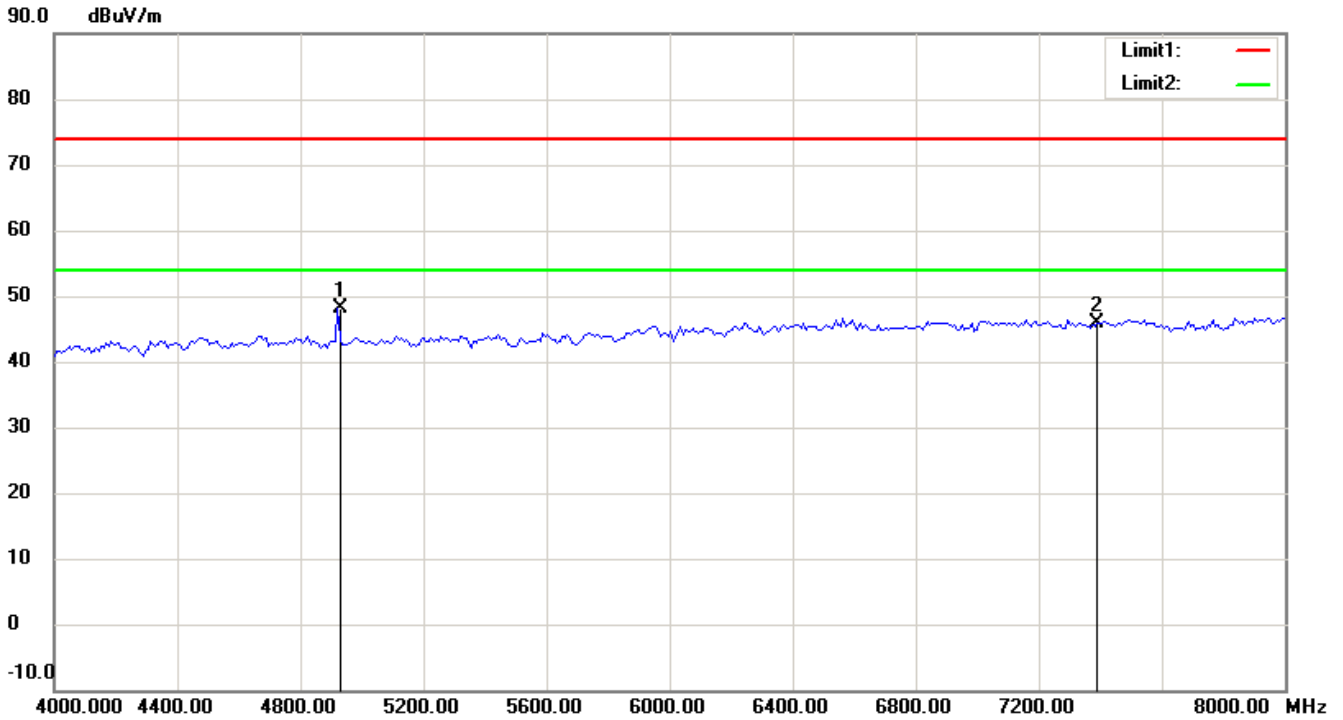
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

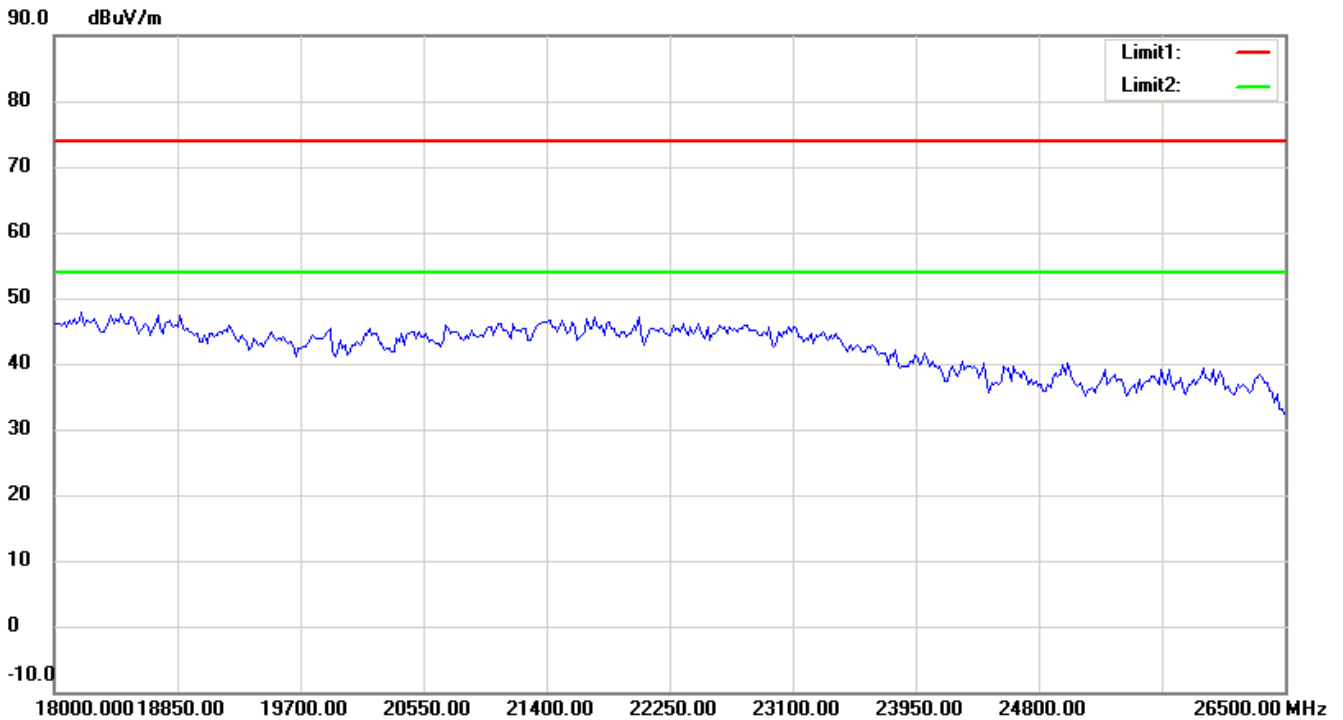
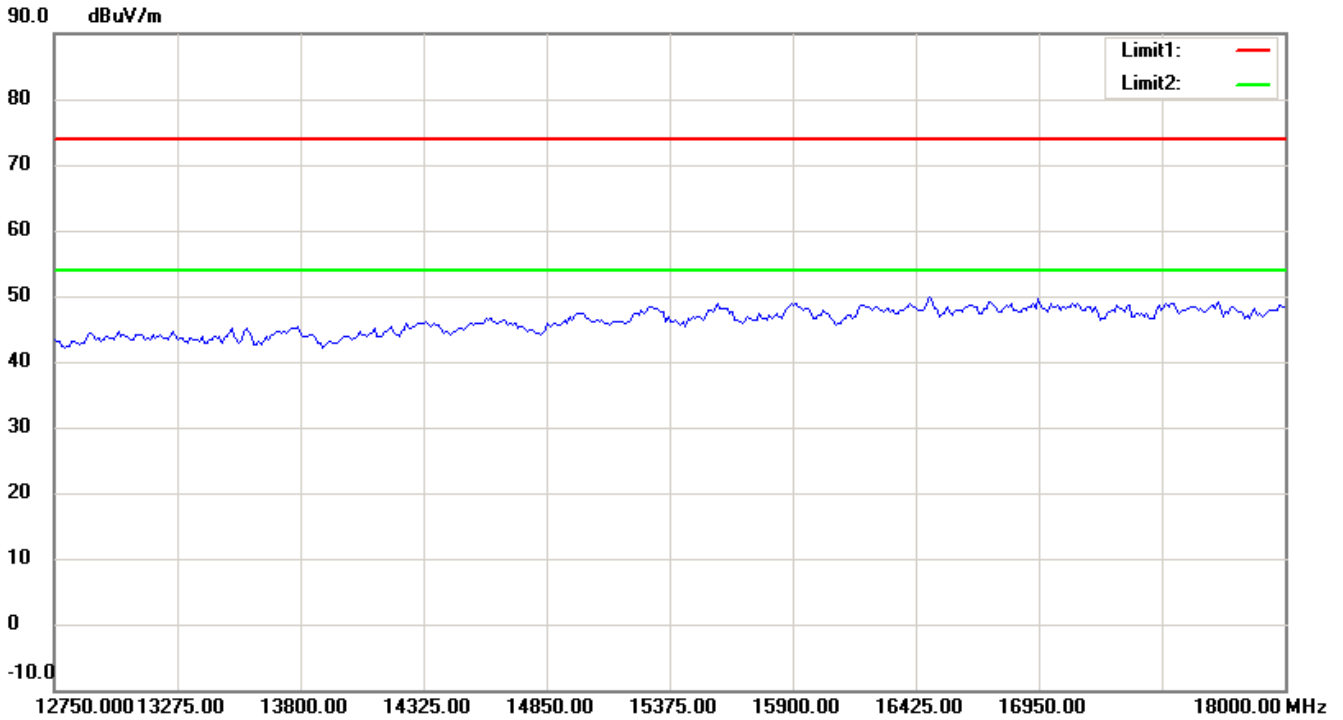
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

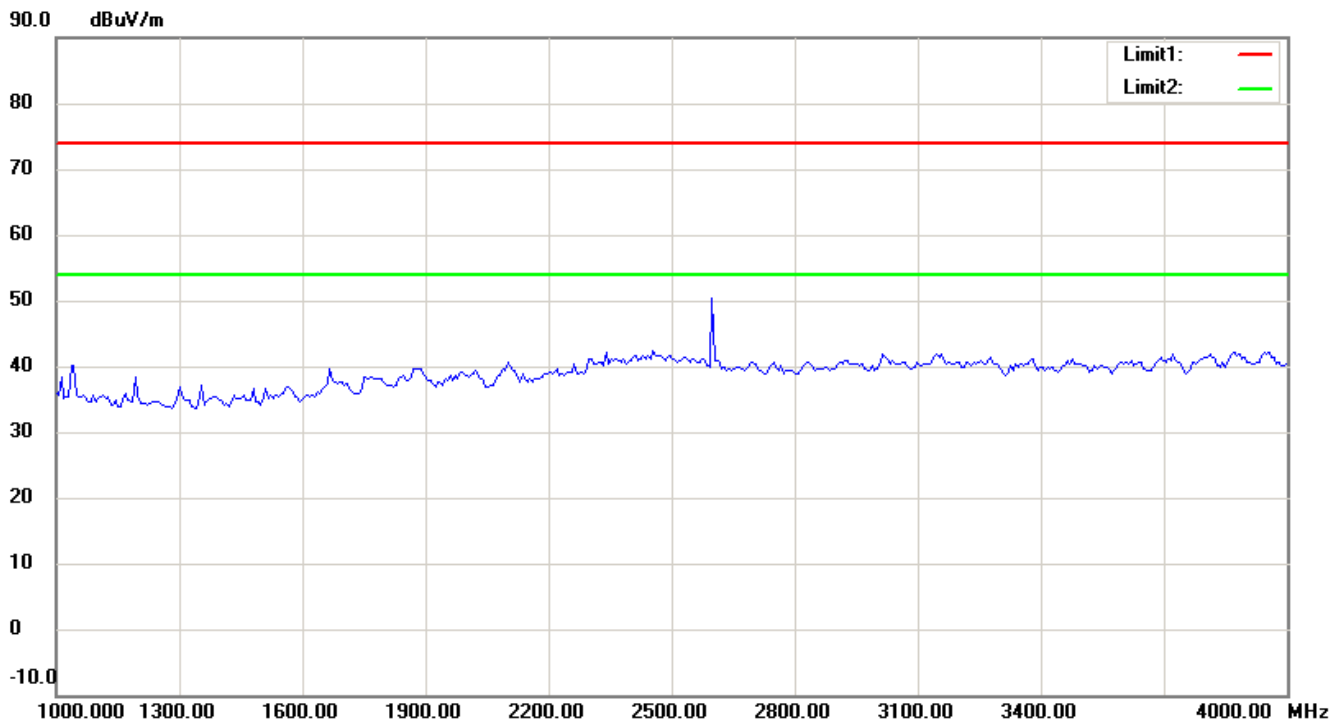
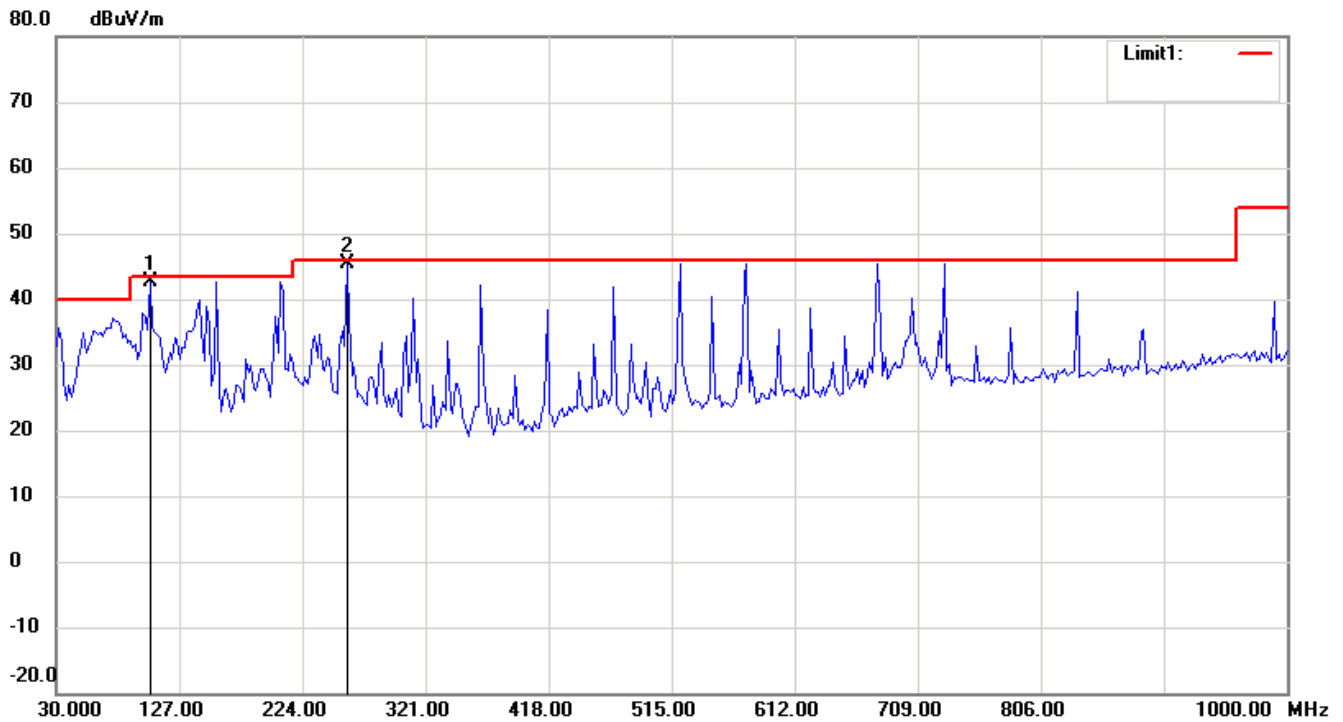
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



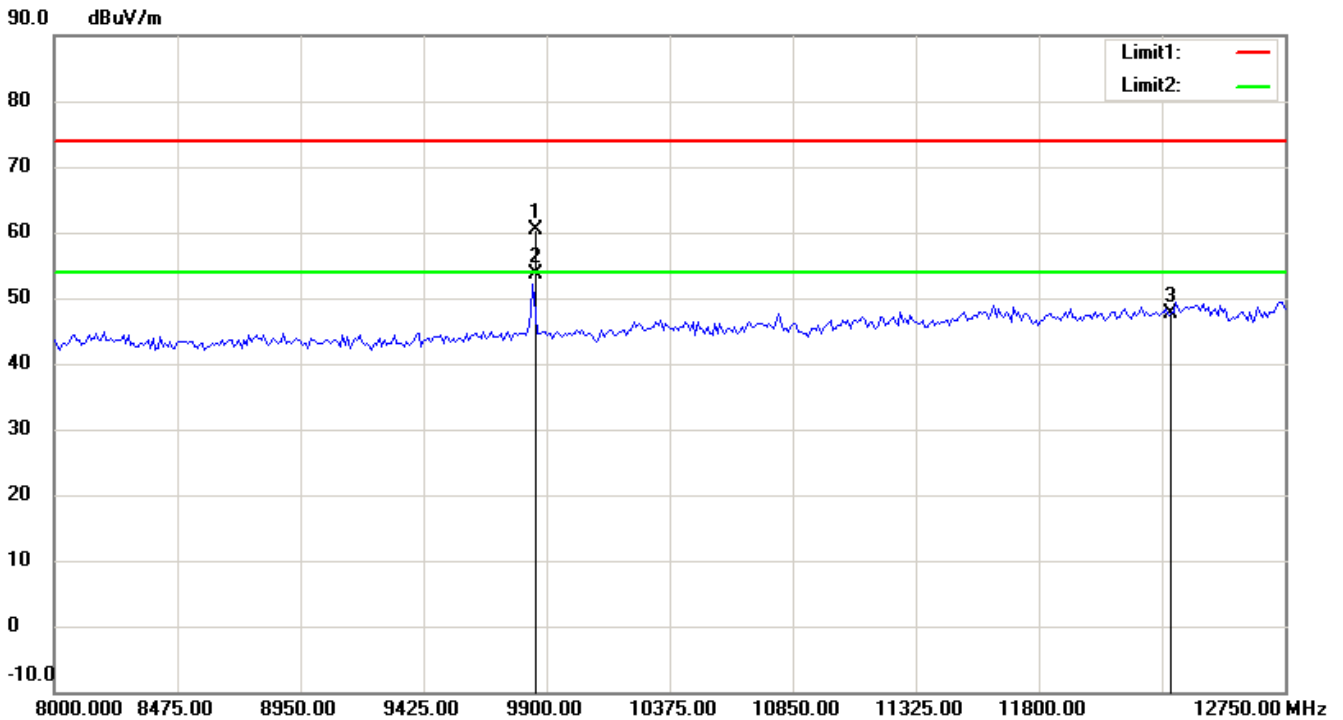
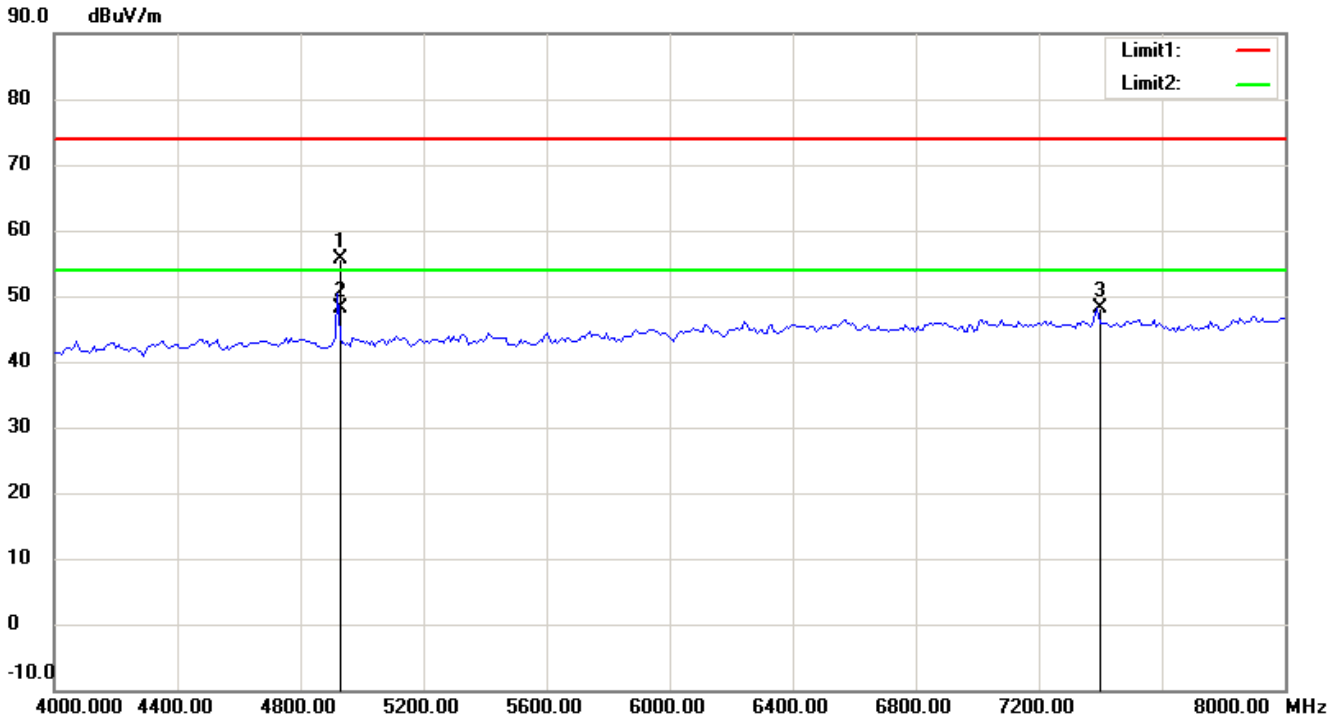
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

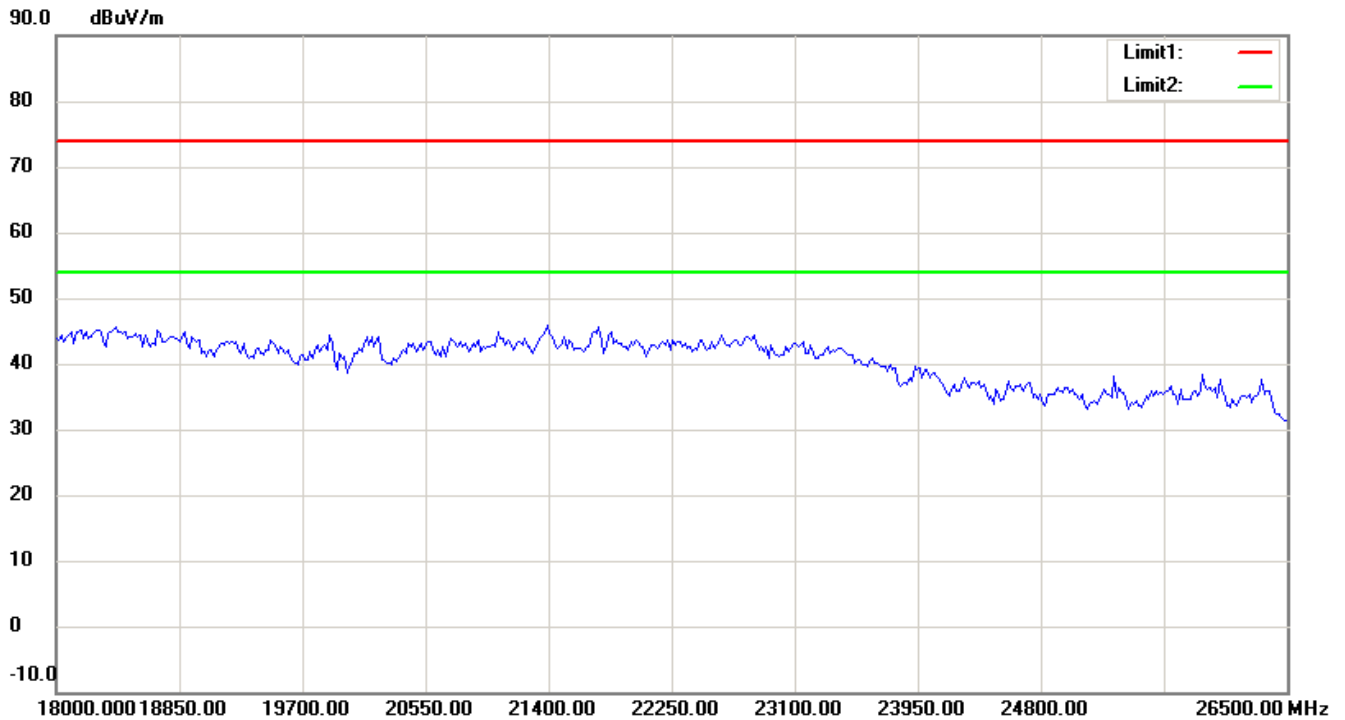
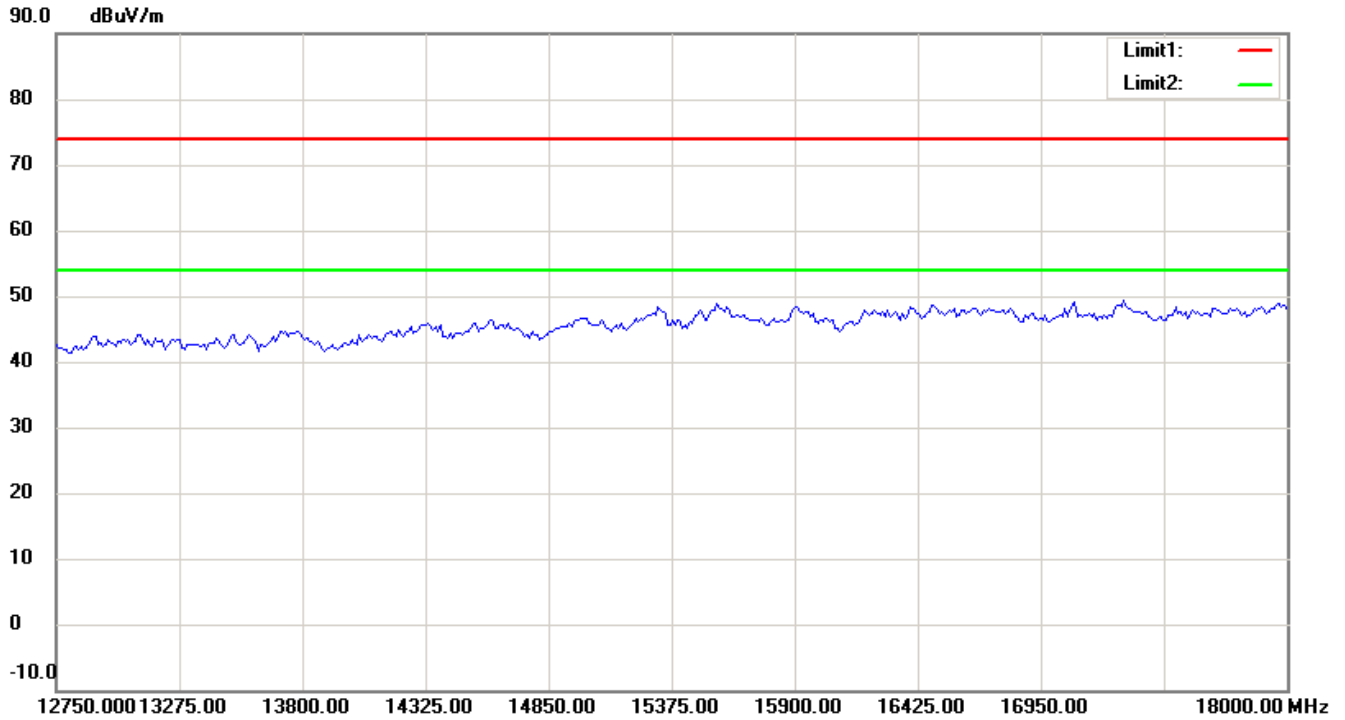
Note:

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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# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

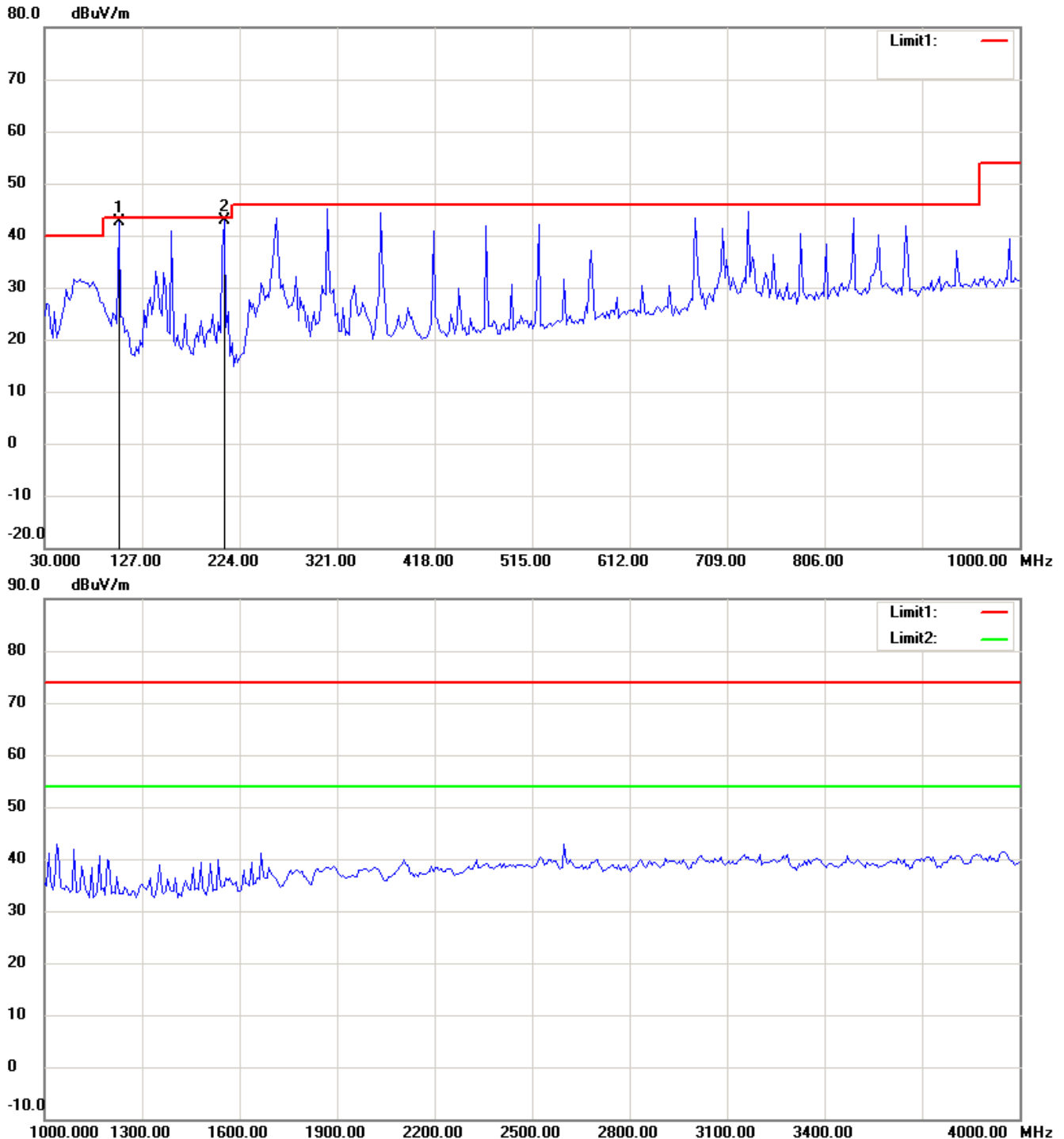
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11g CH1

### Antenna Polarization H



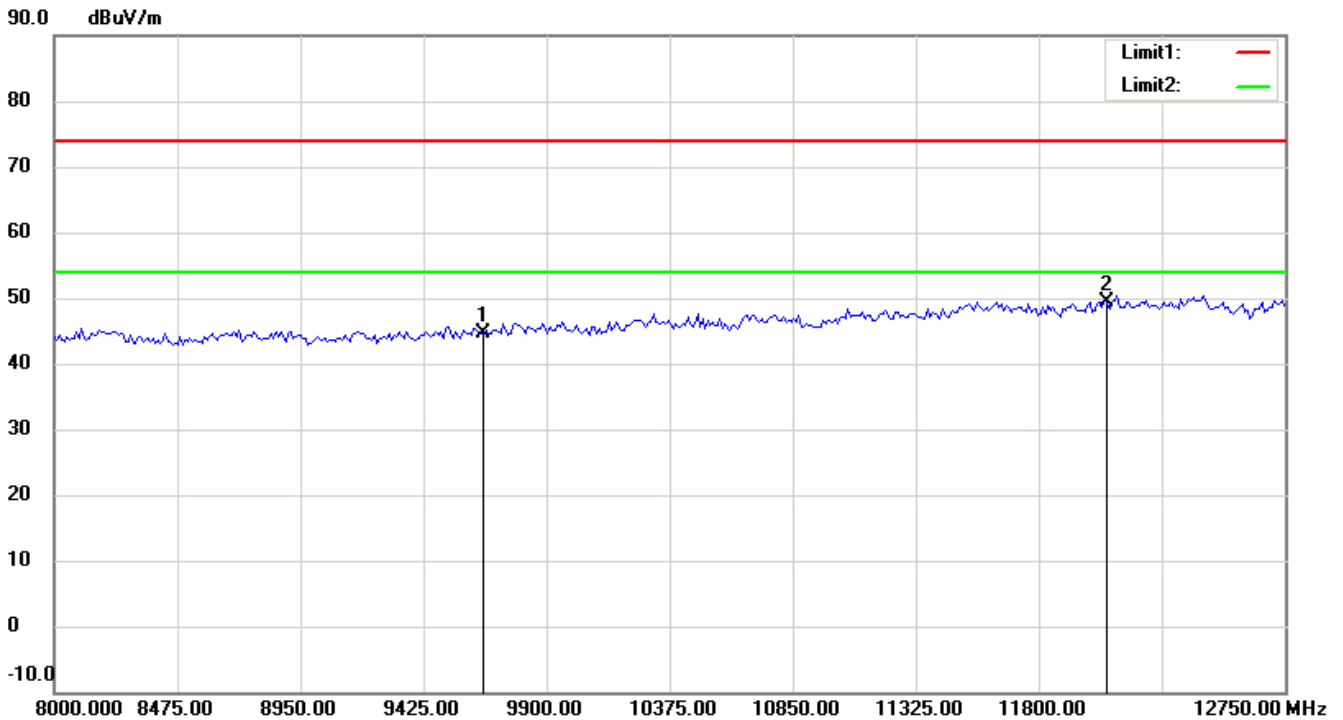
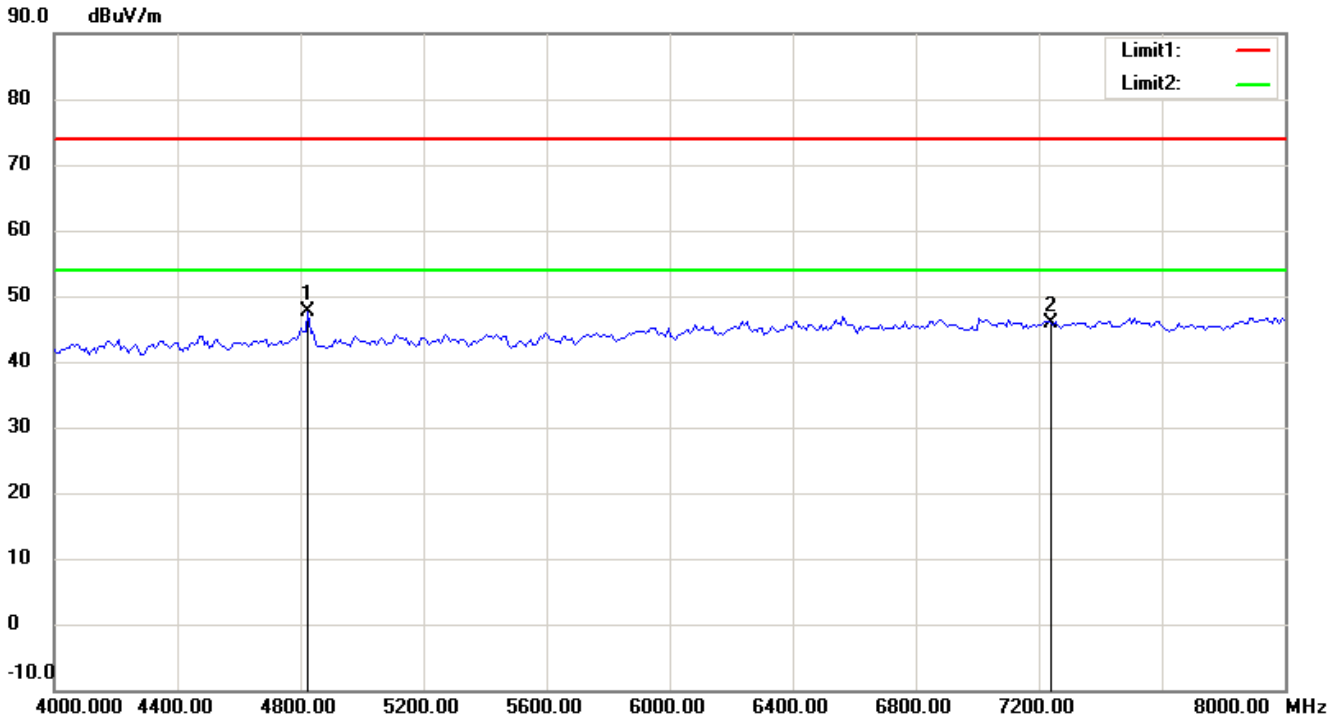
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

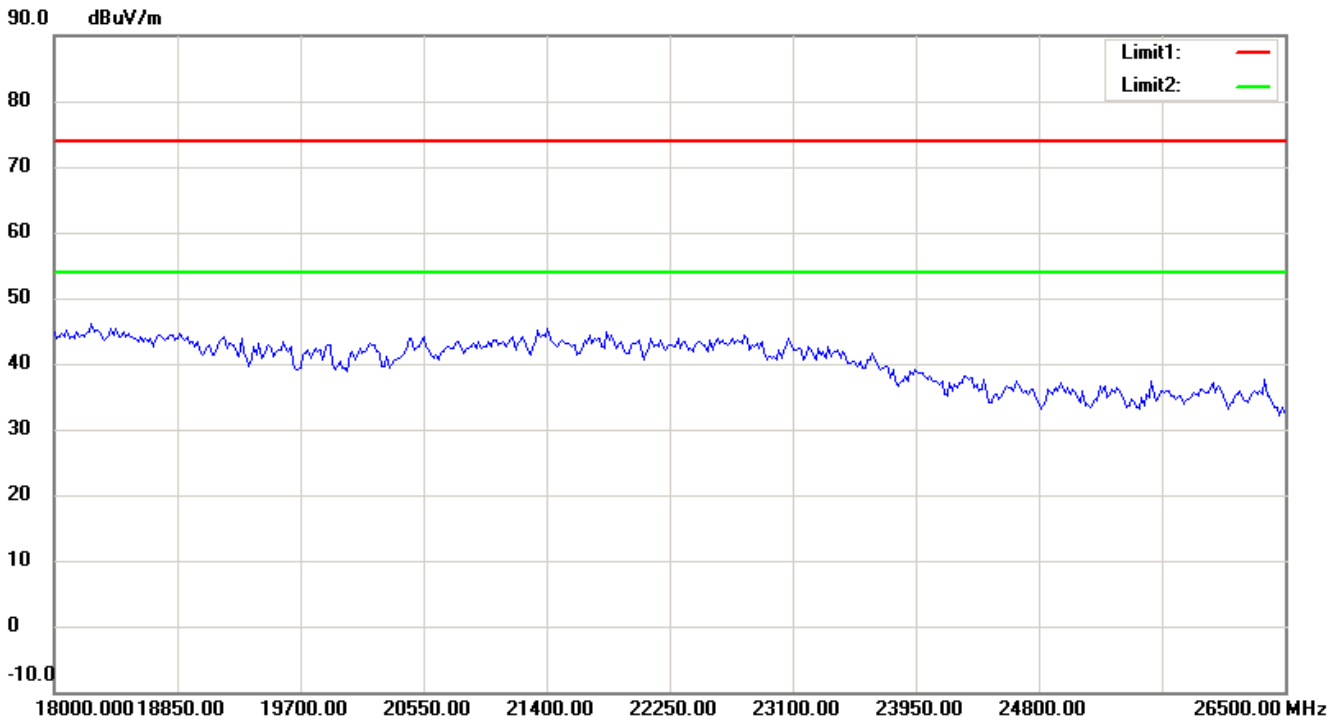
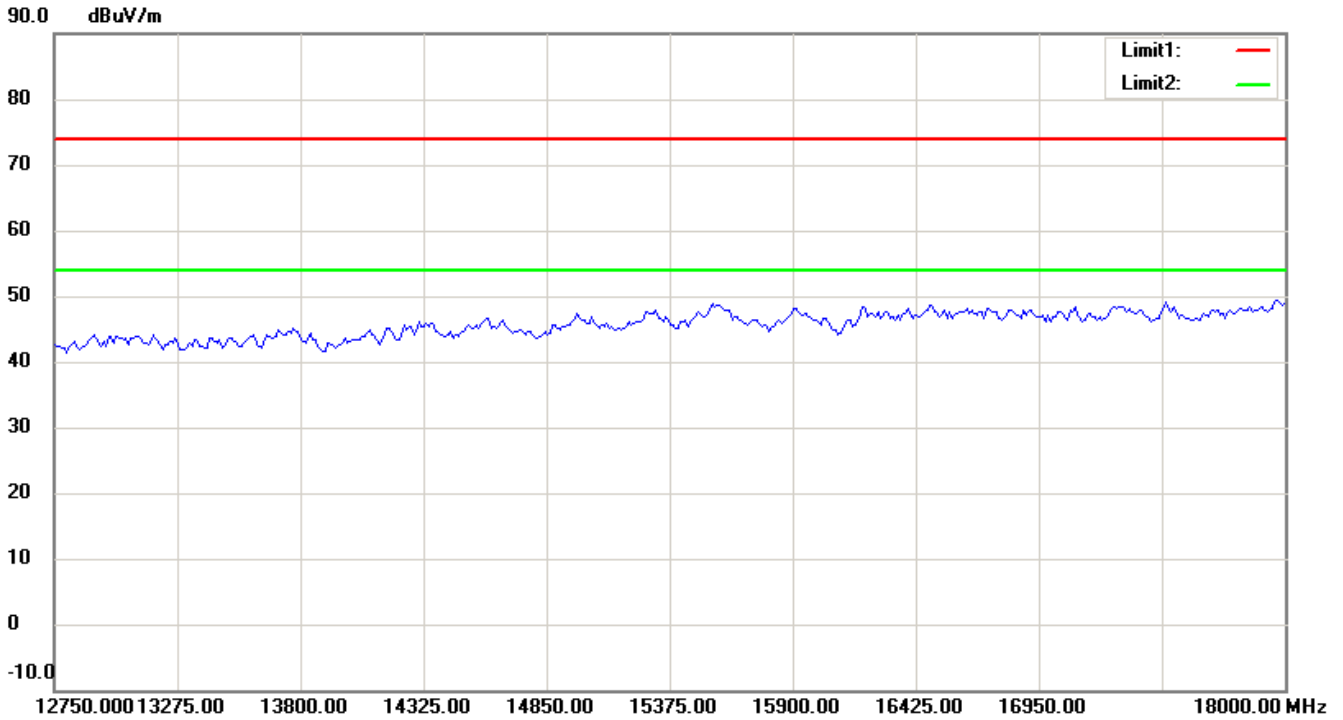
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

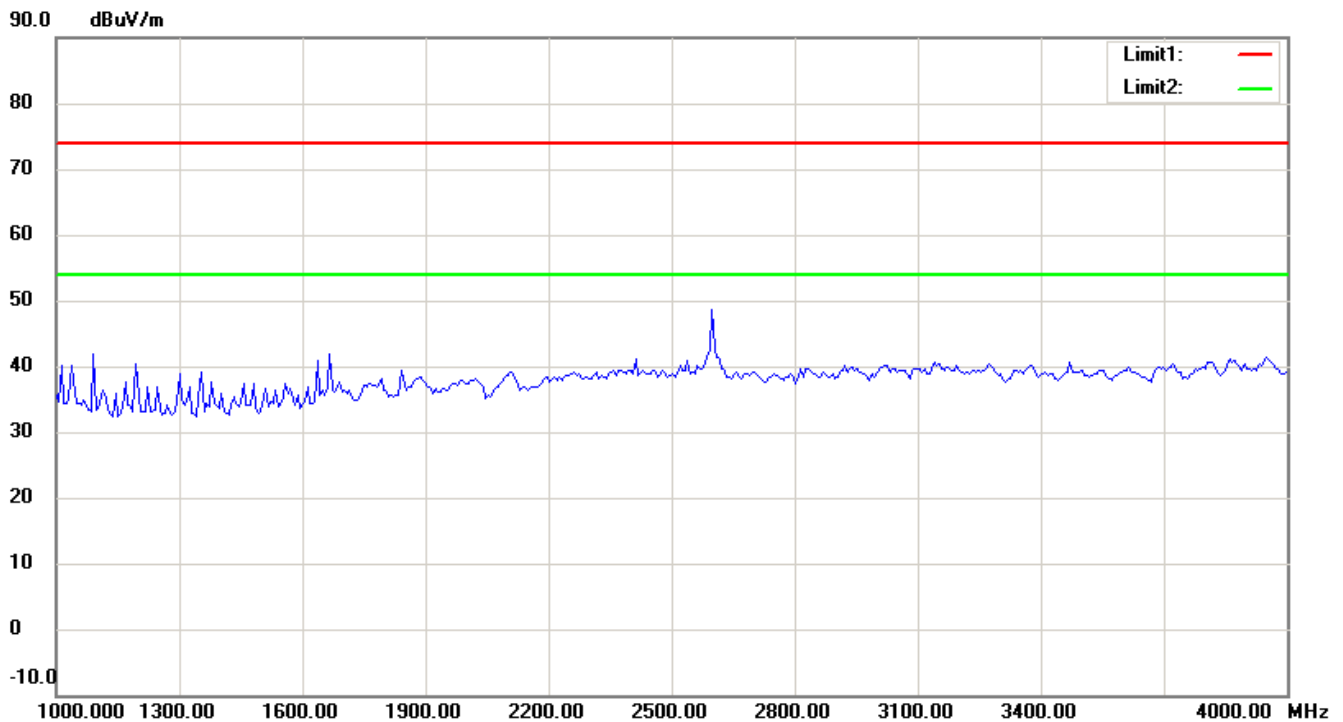
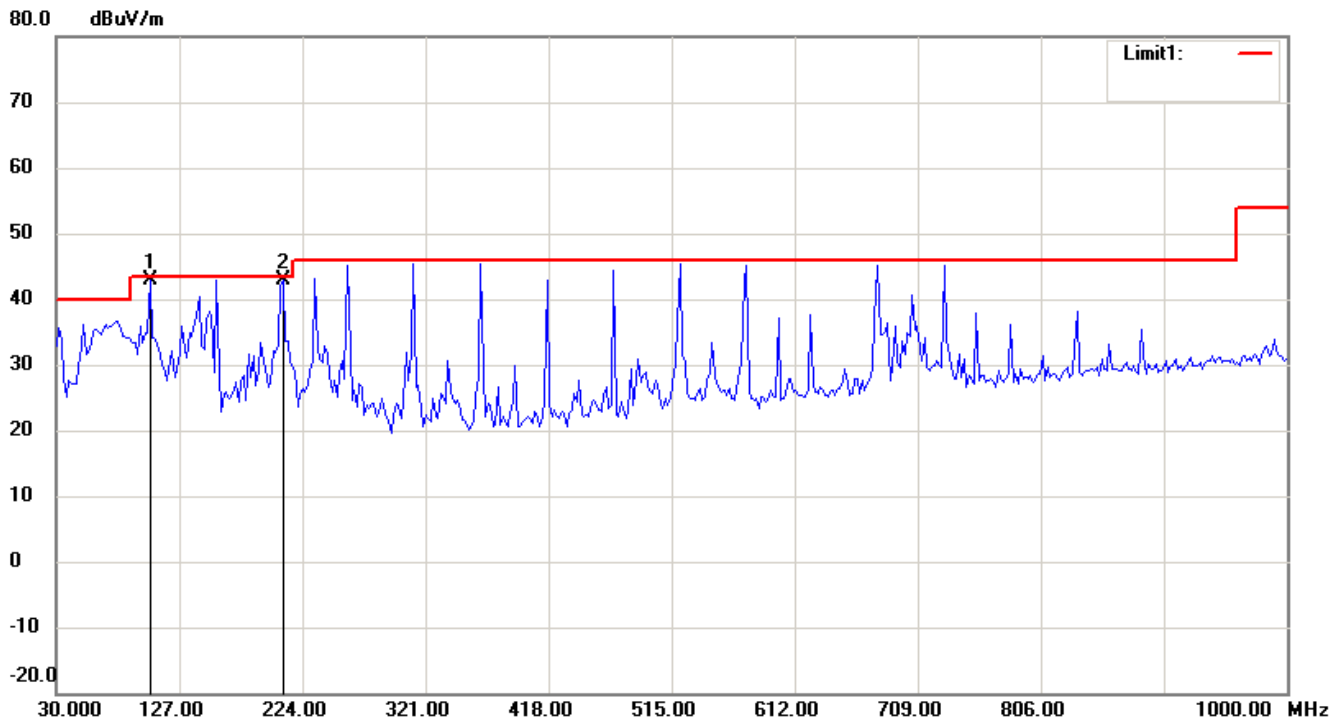
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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





Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



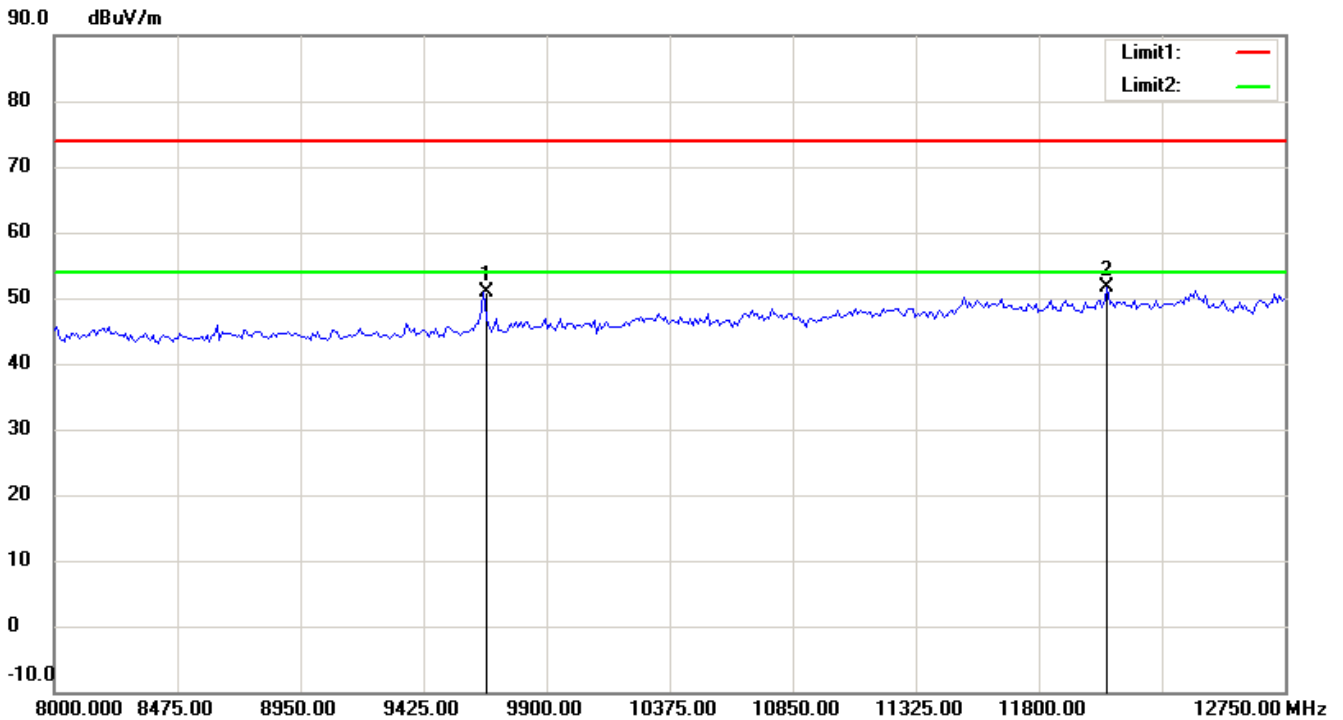
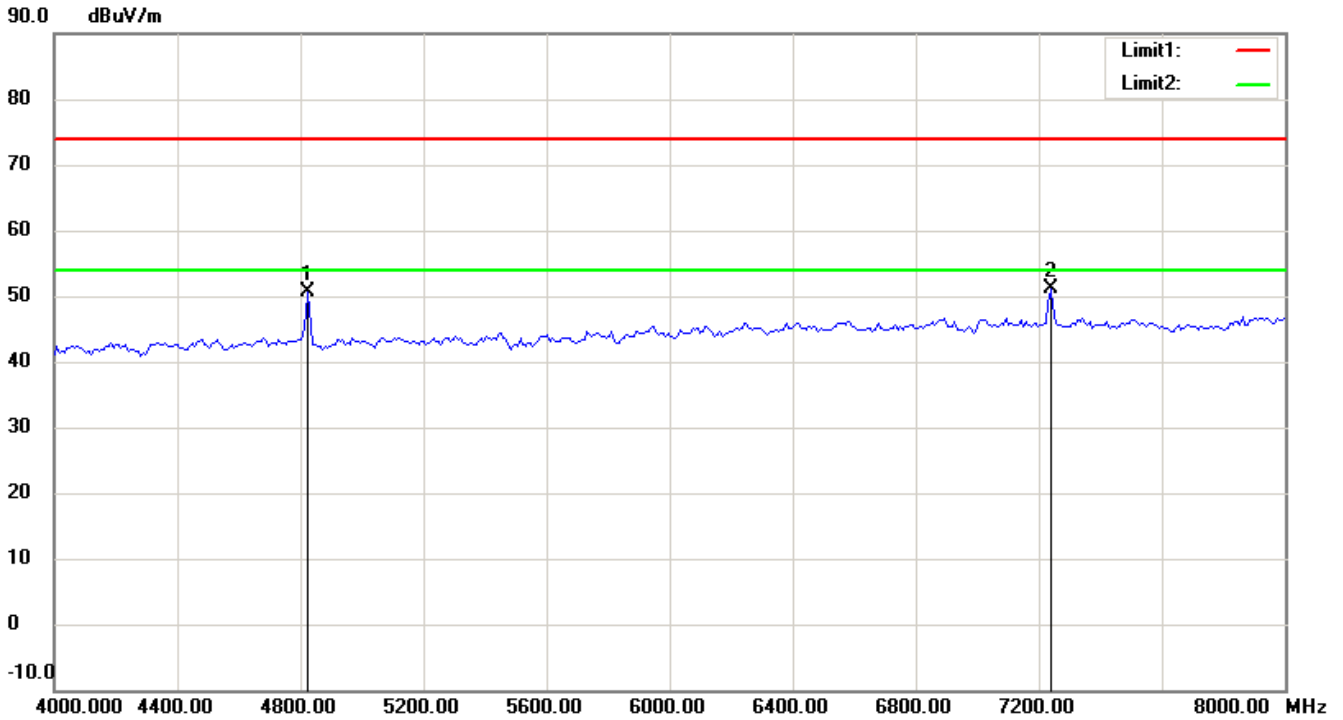
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

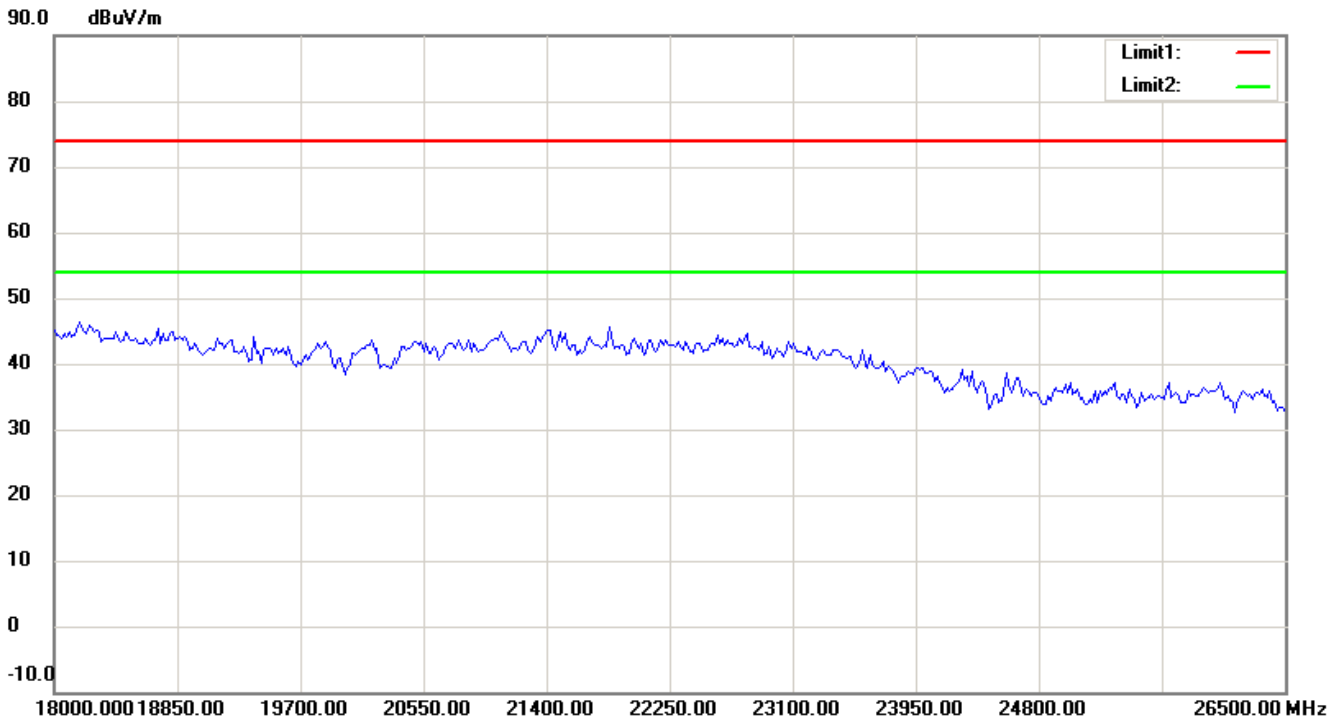
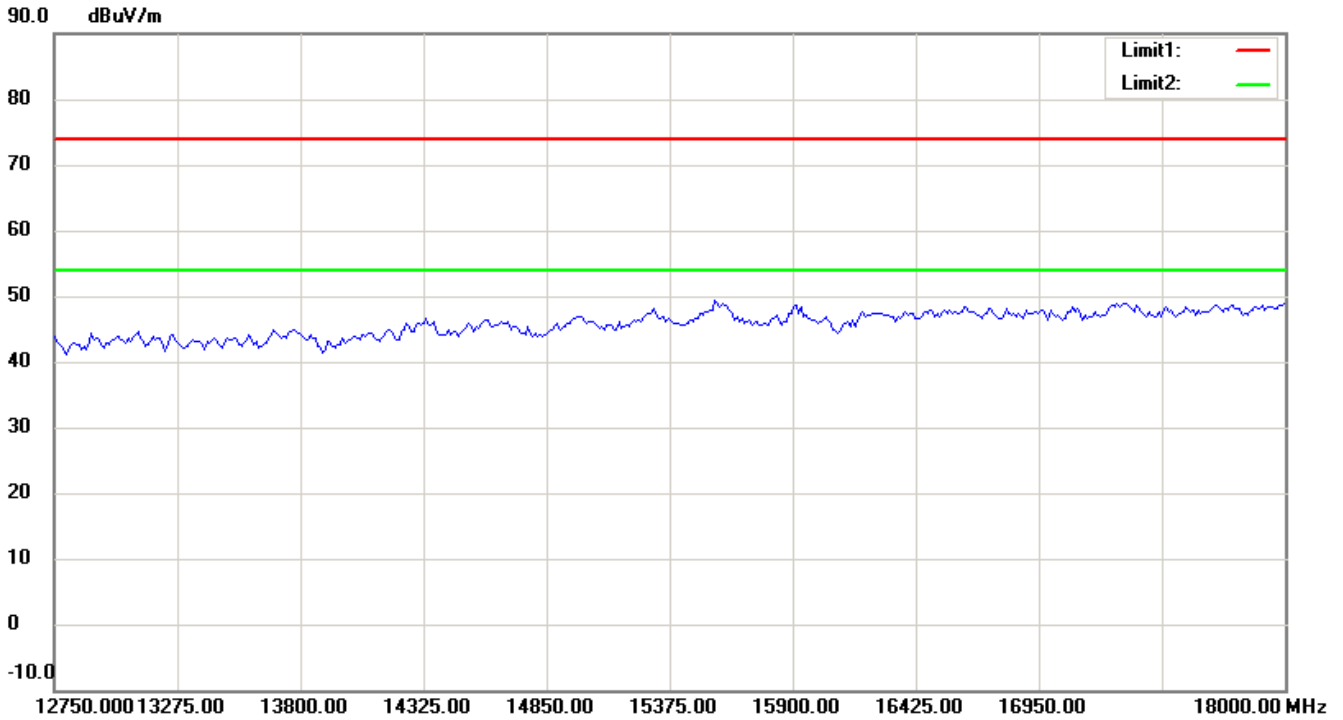
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

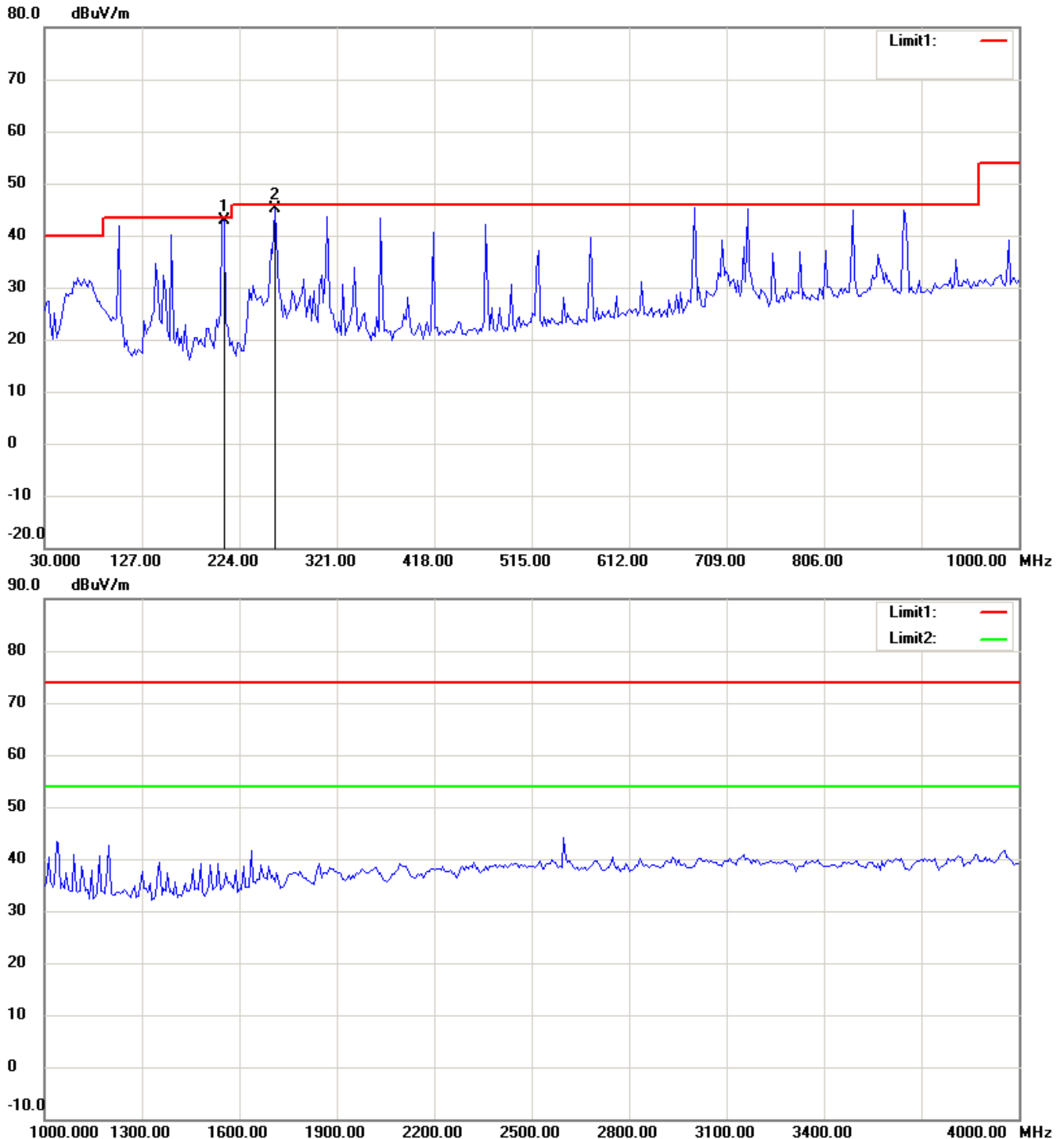
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11g CH6

### Antenna Polarization H



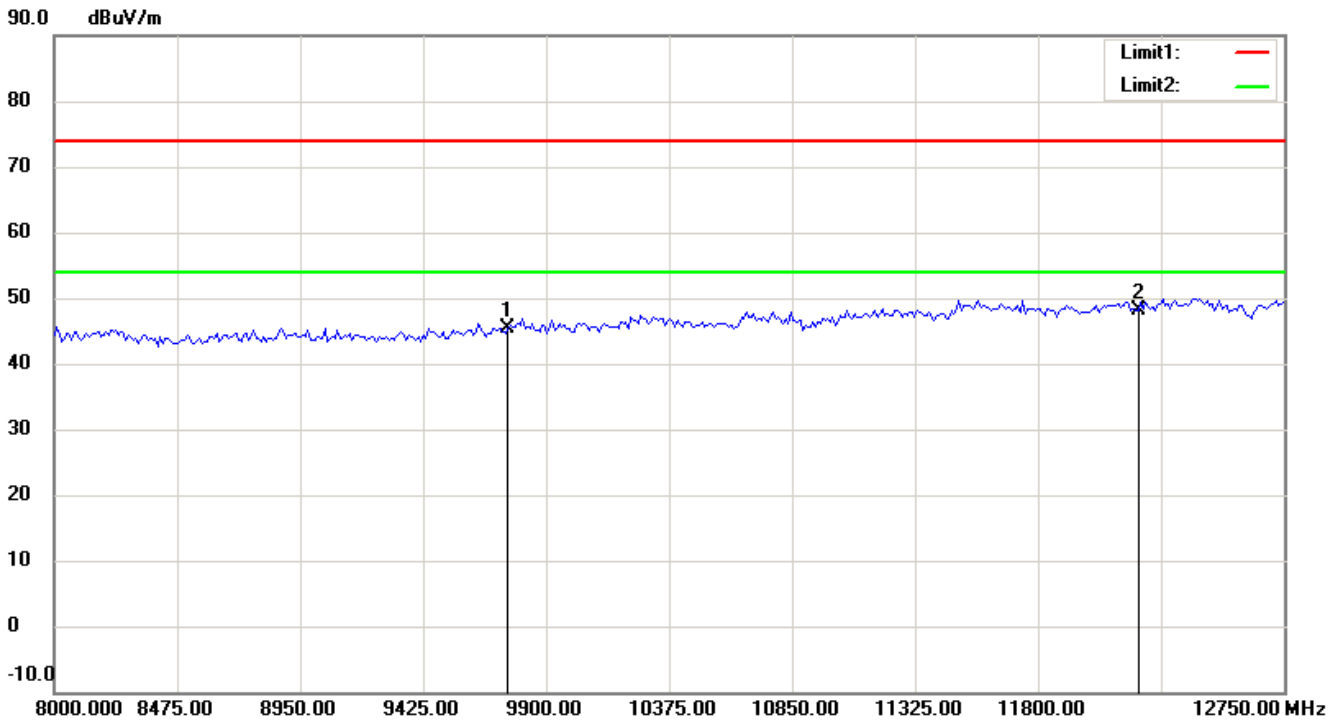
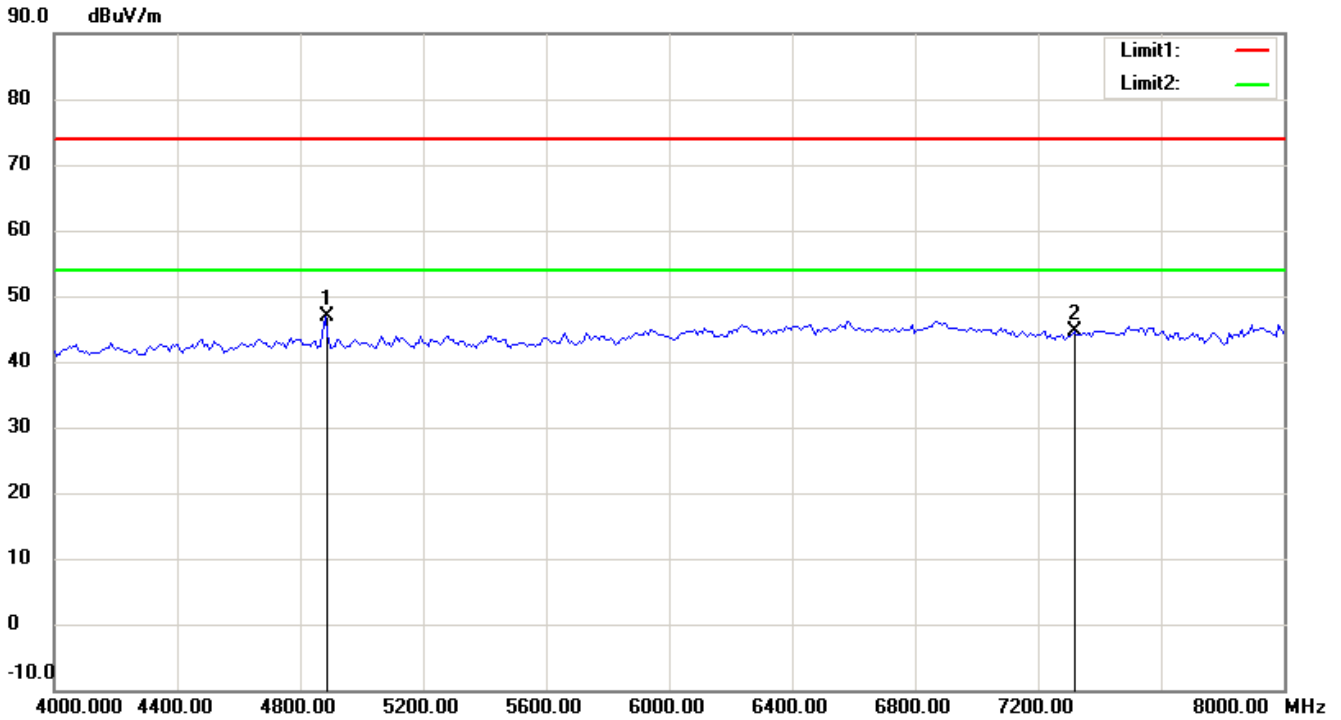
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

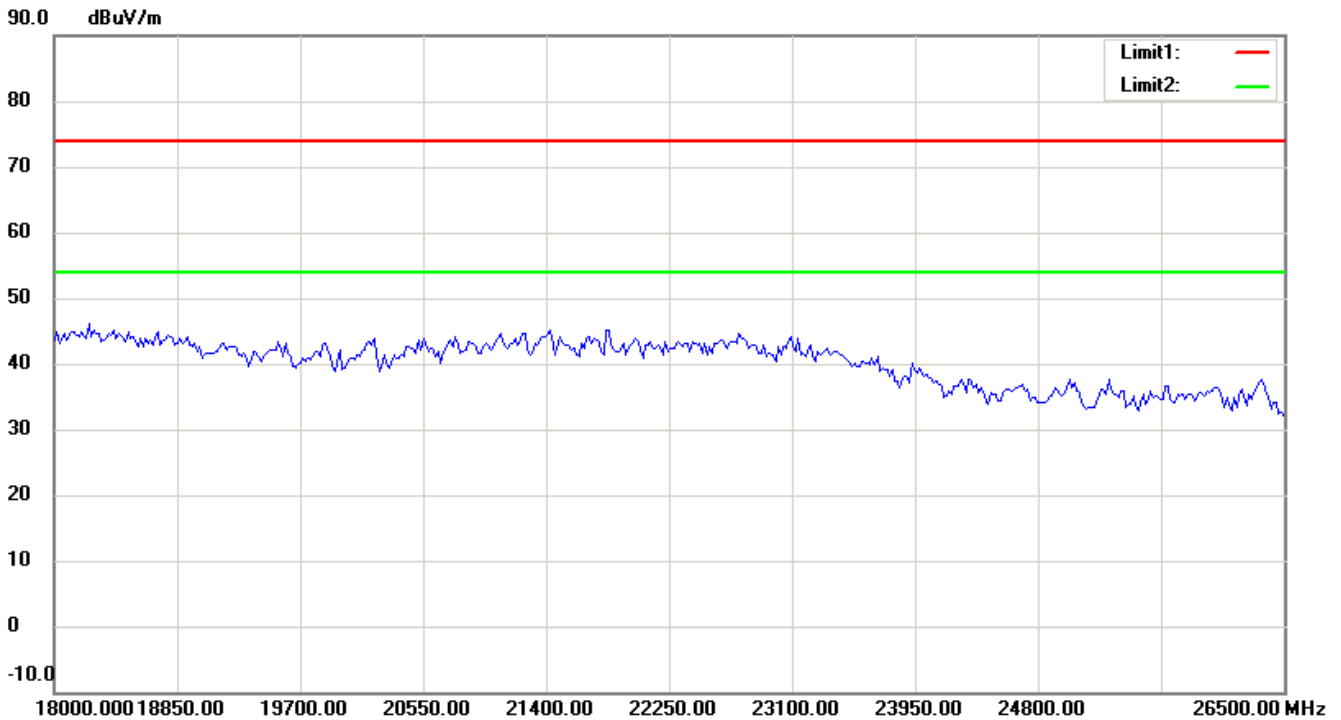
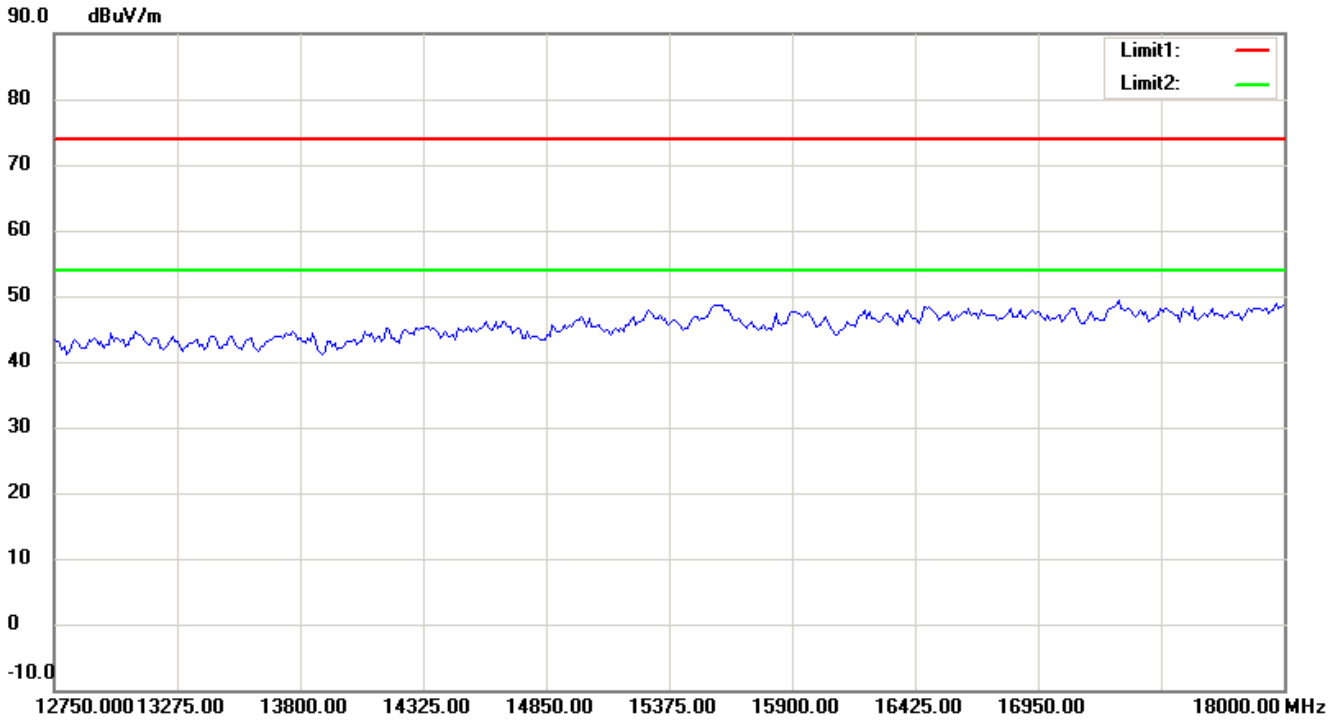
Note:

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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# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

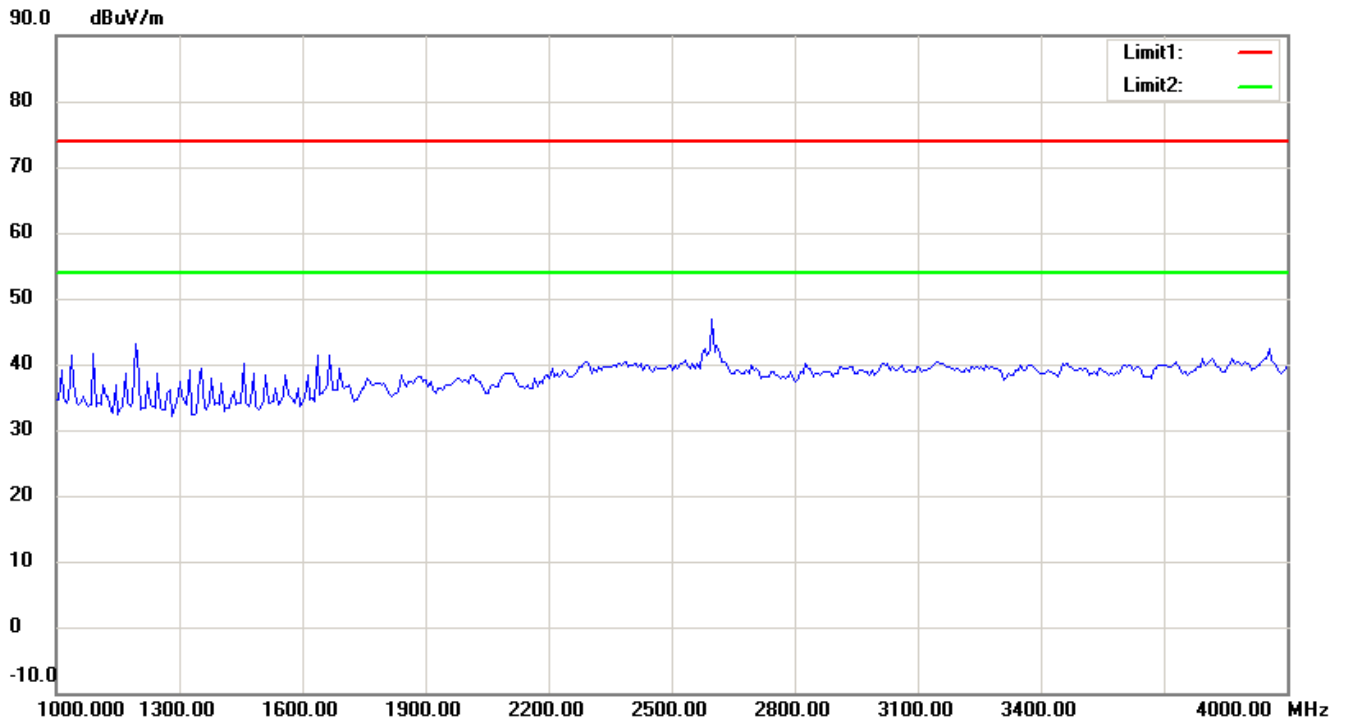
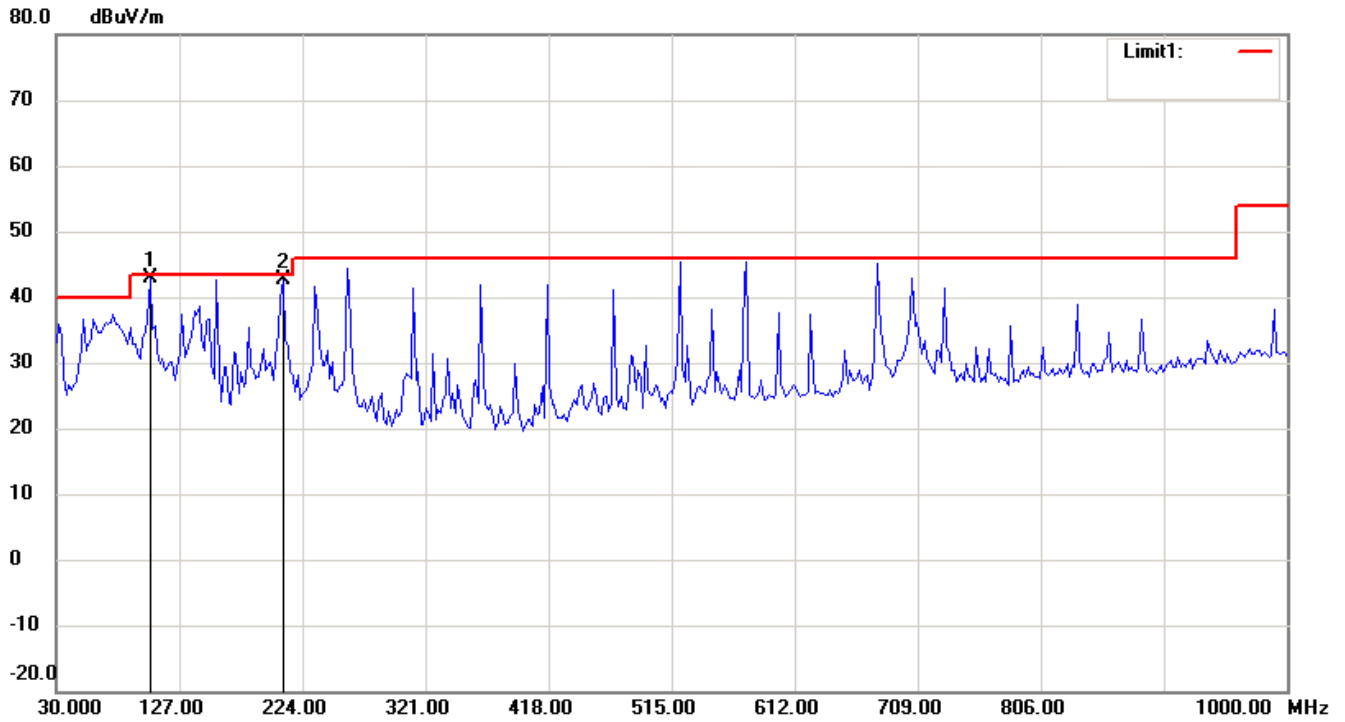
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



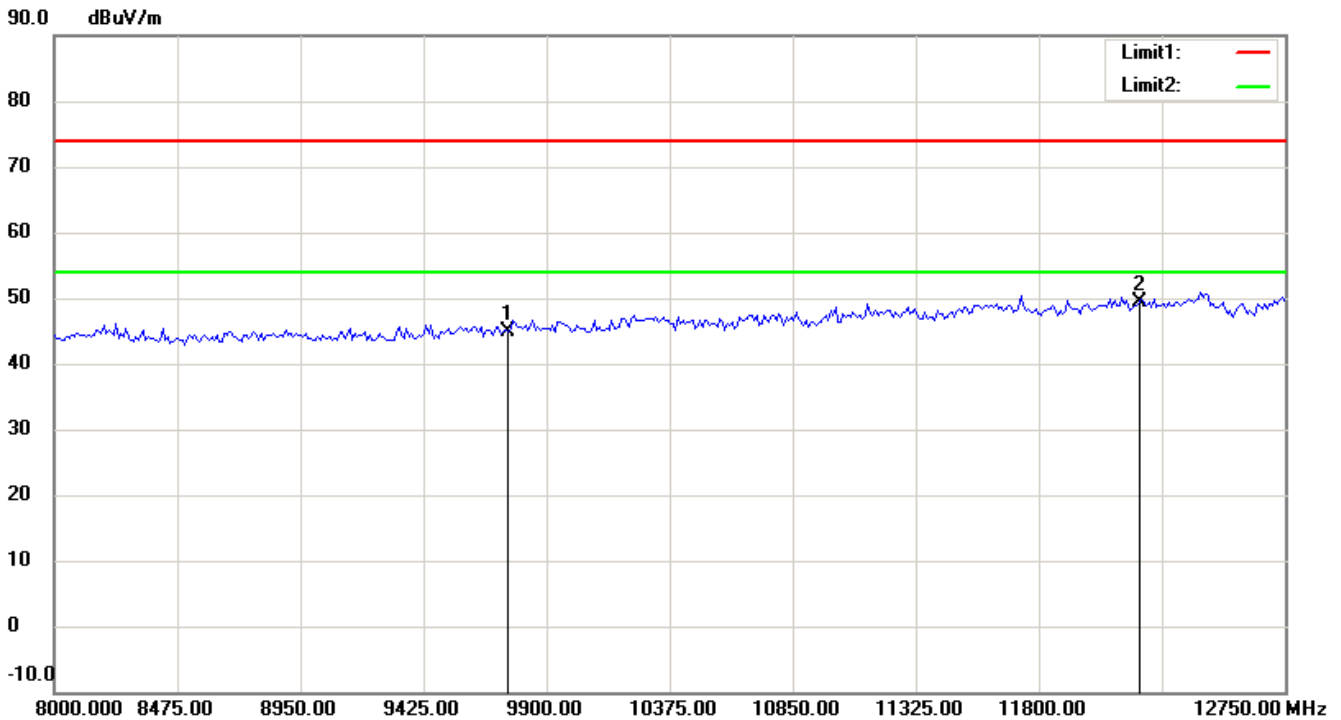
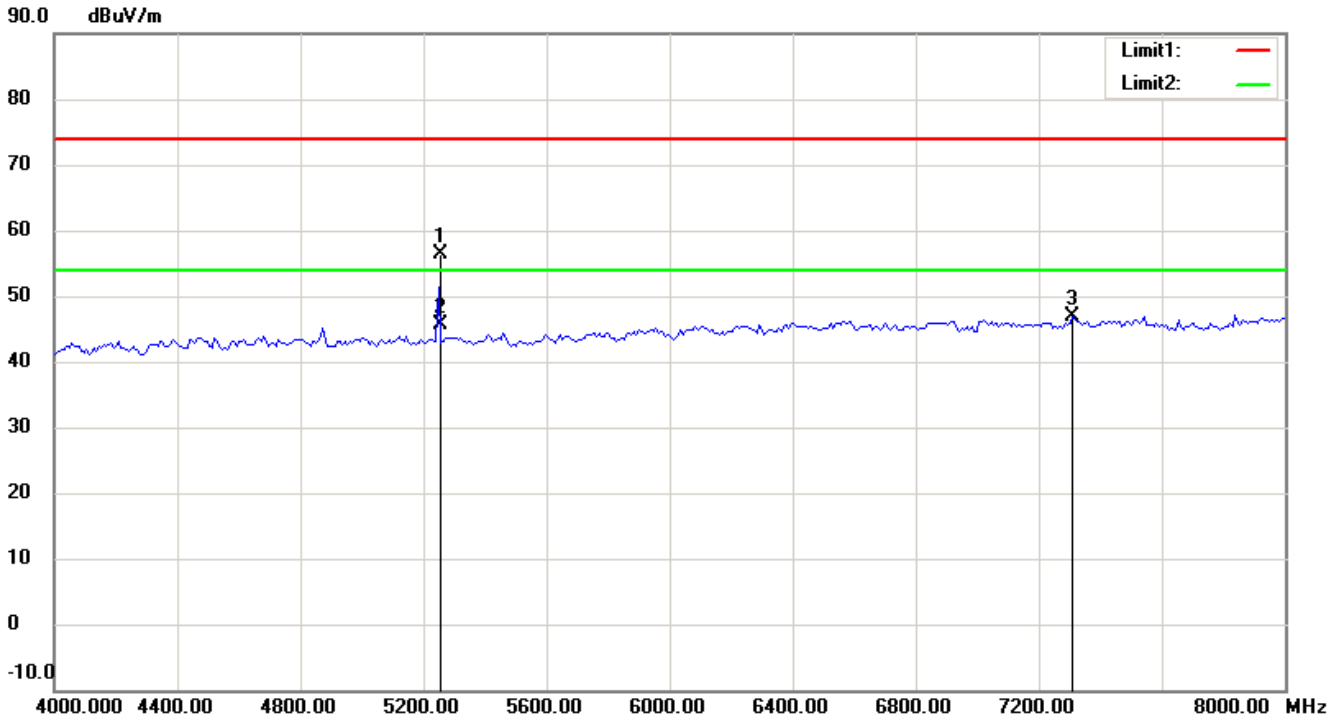
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

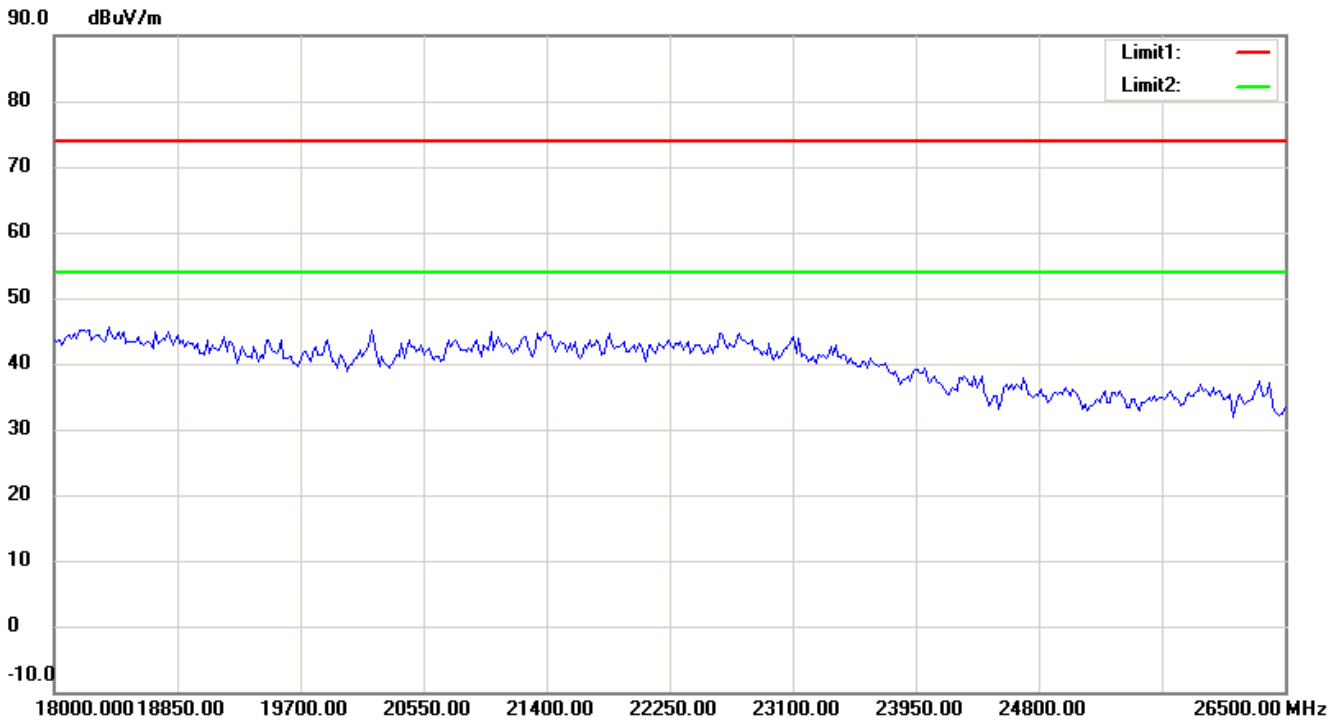
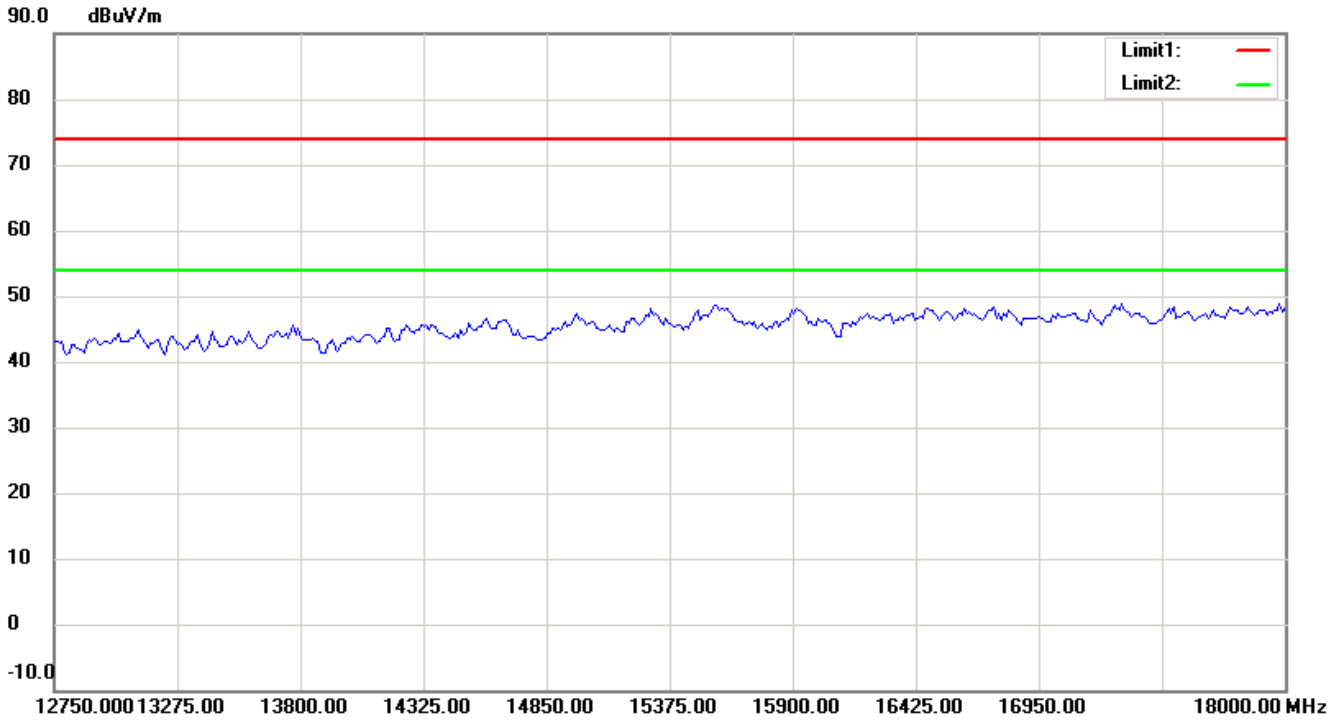
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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





# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

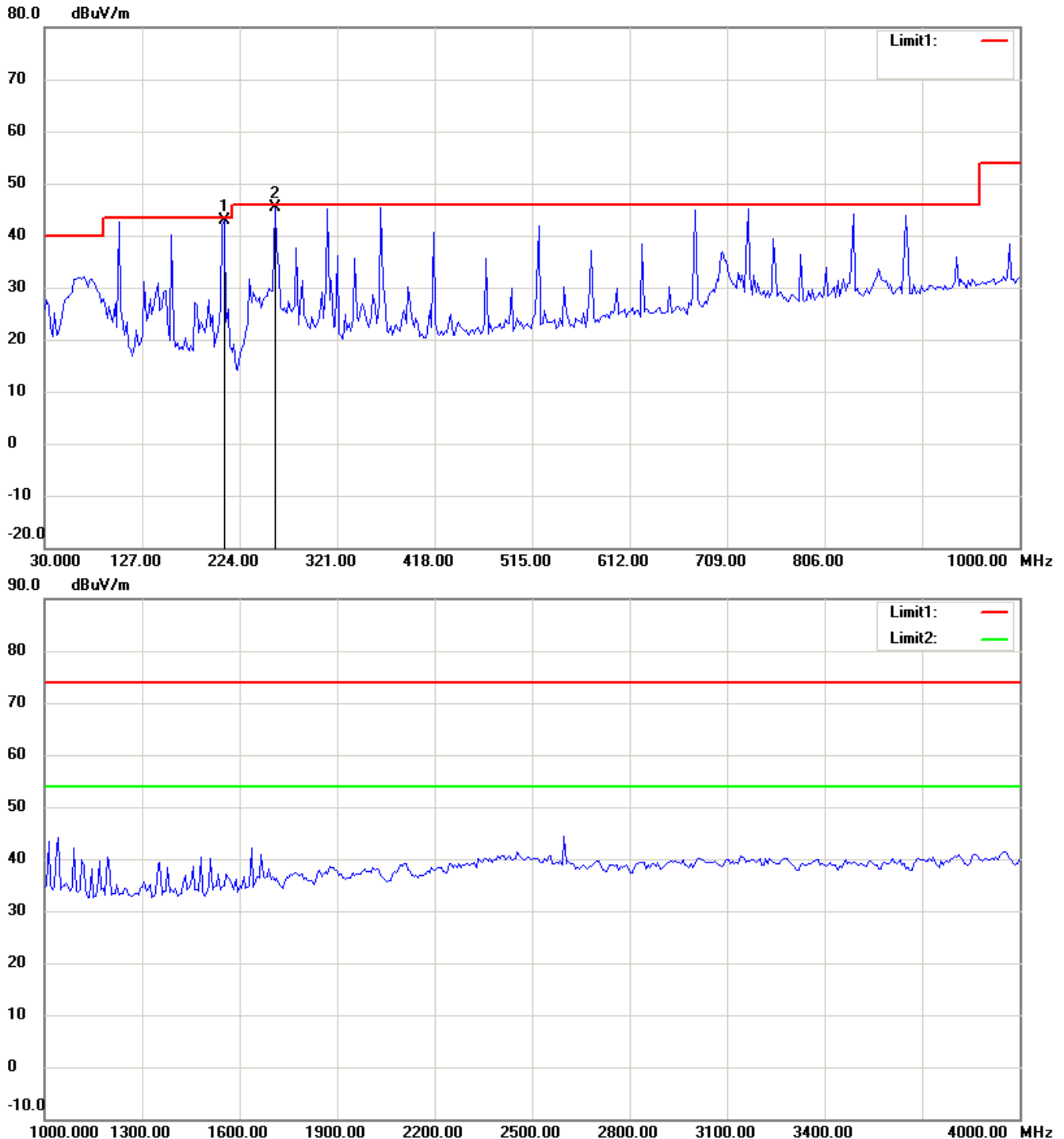
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11g CH11

### Antenna Polarization H



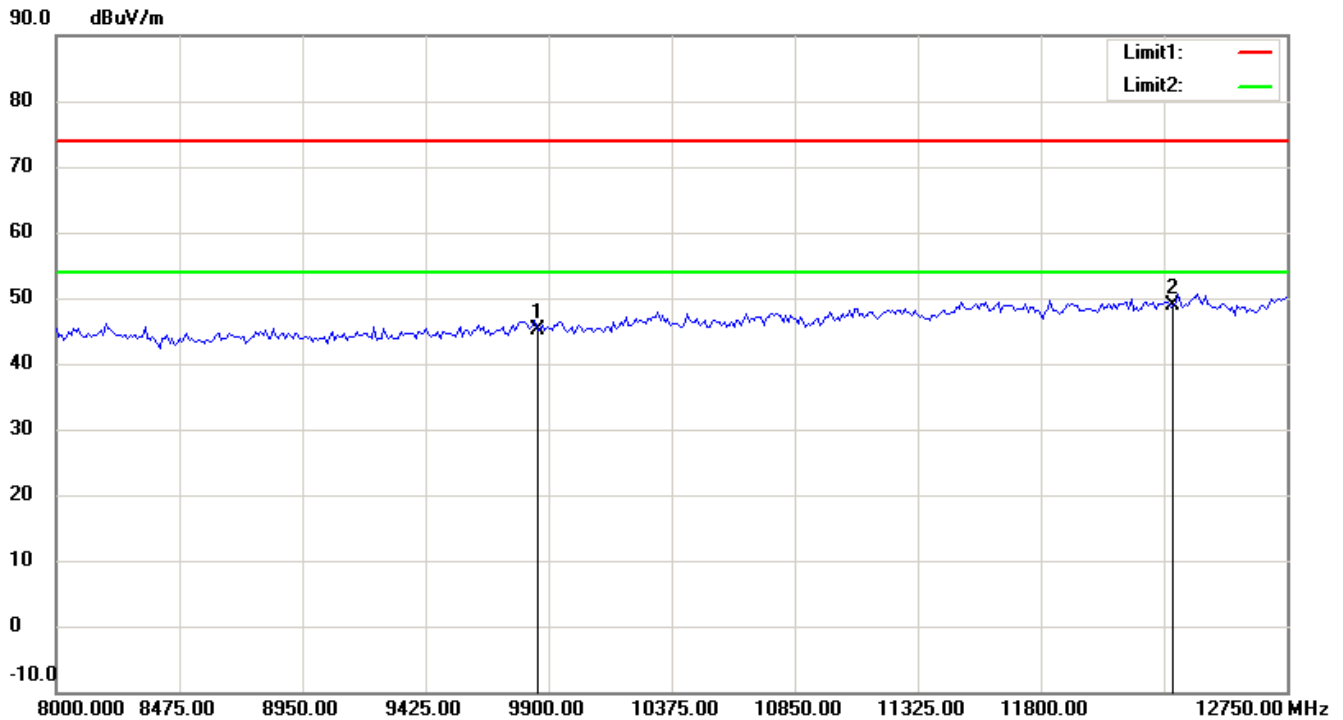
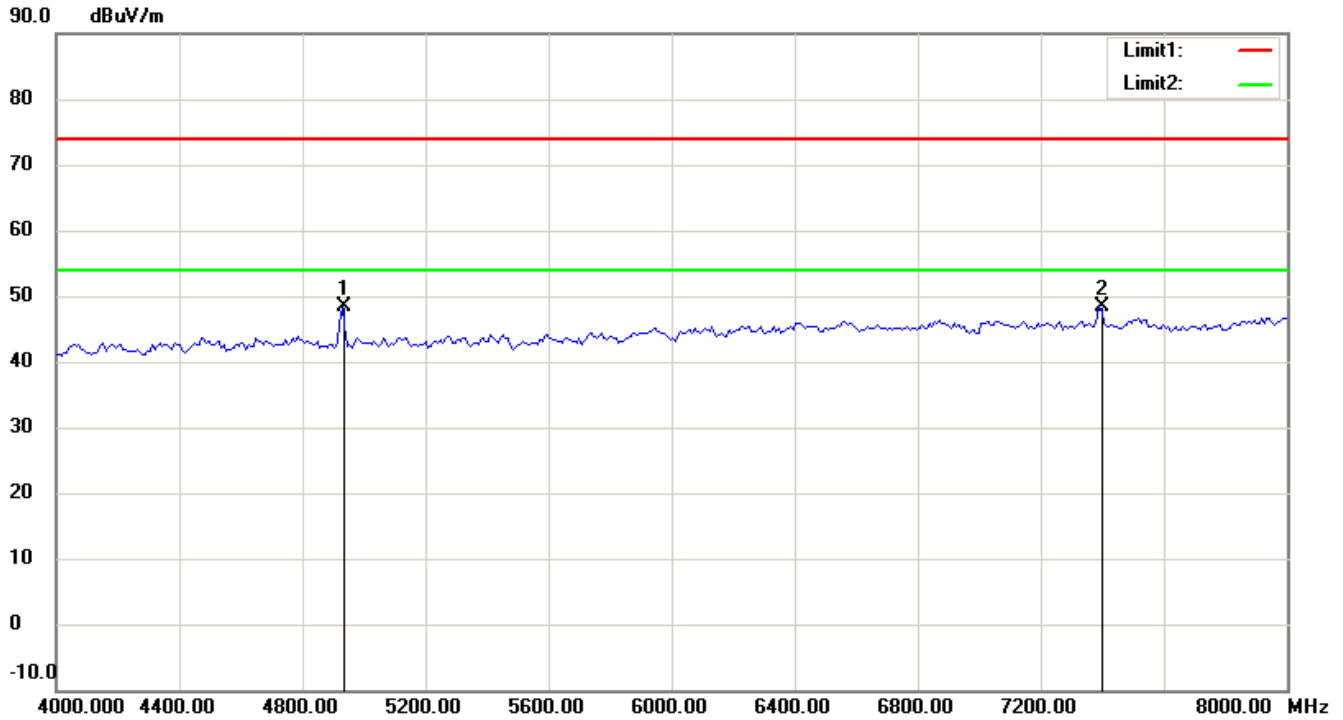
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

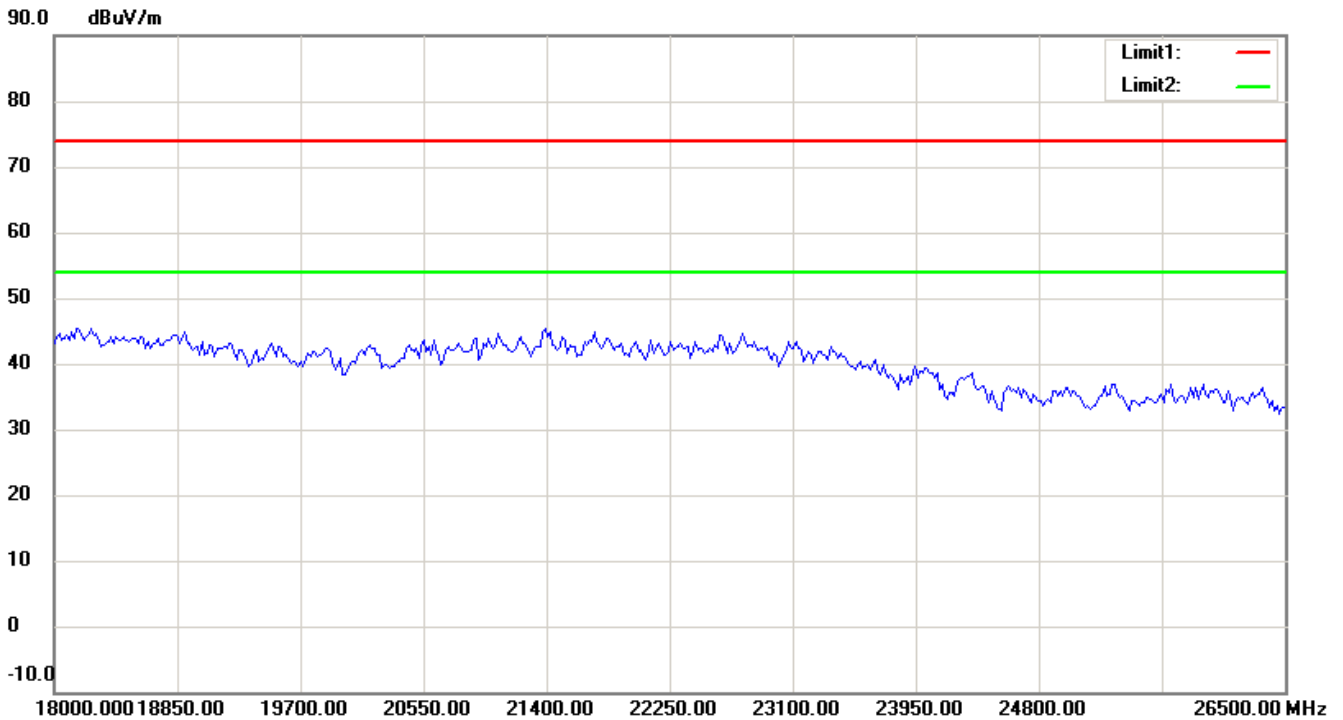
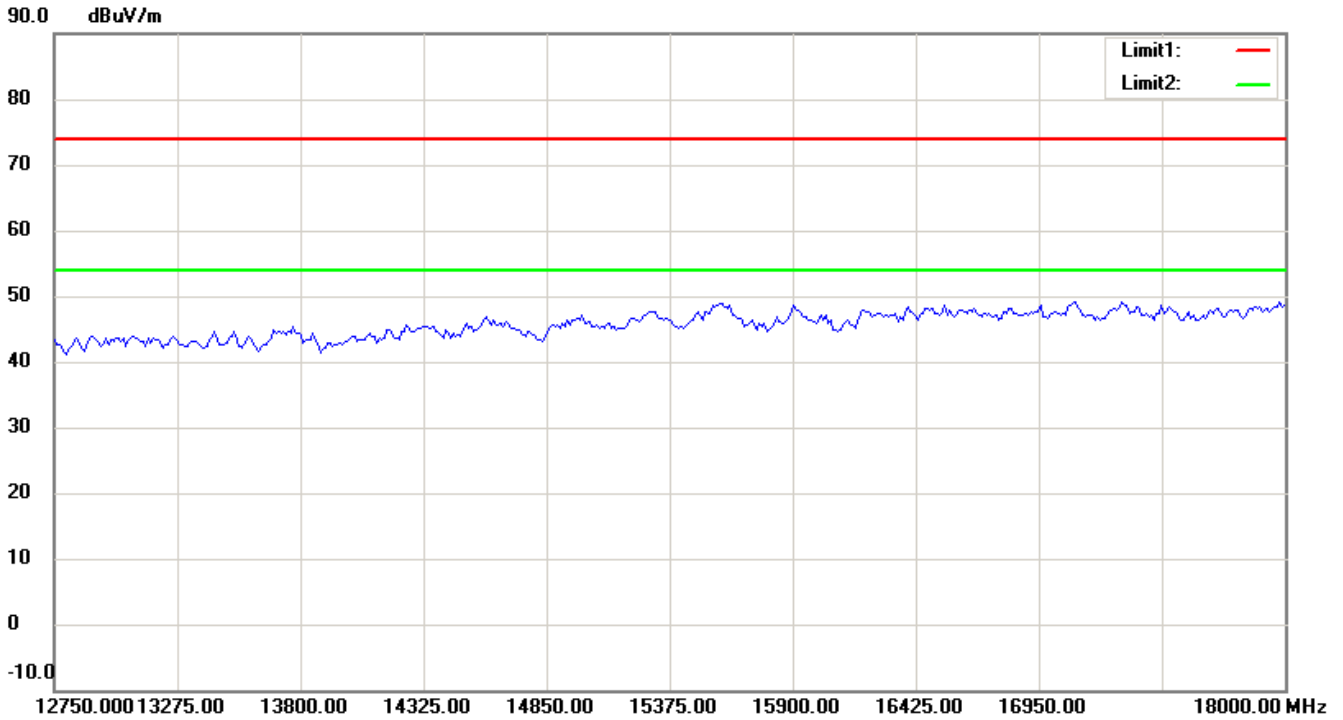
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

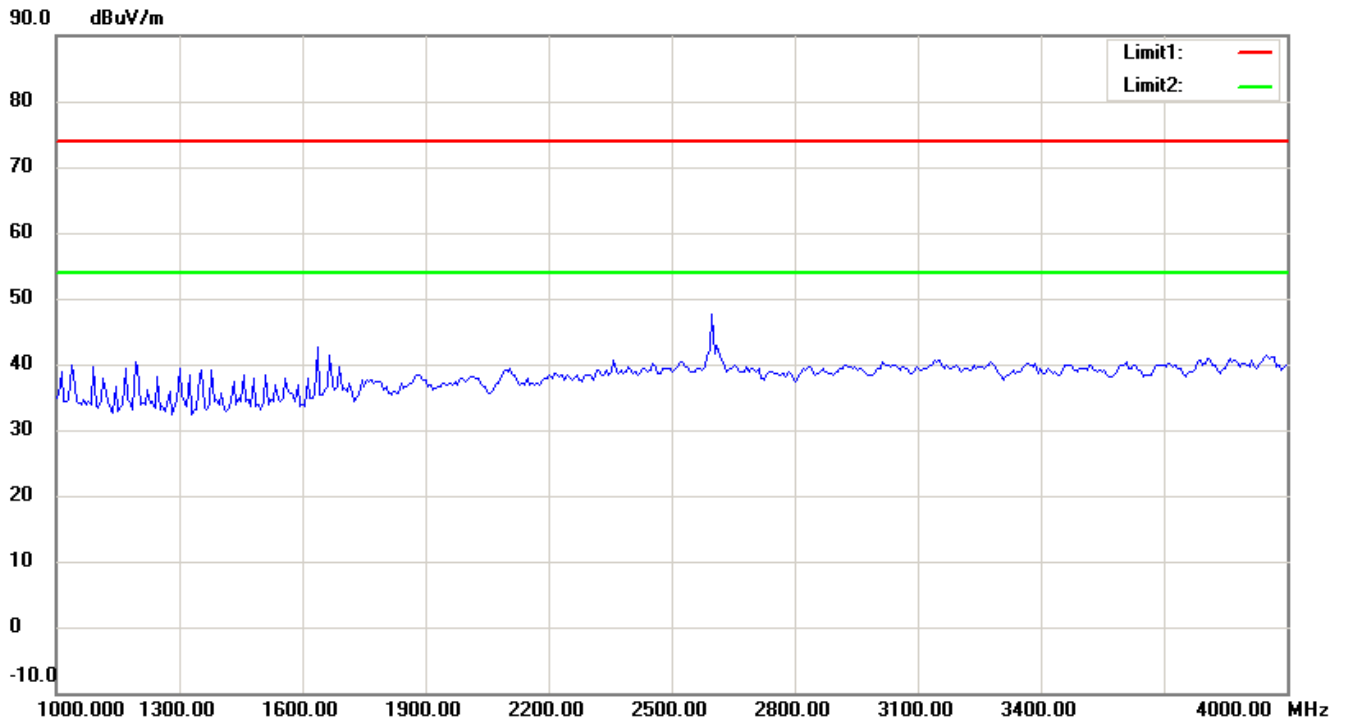
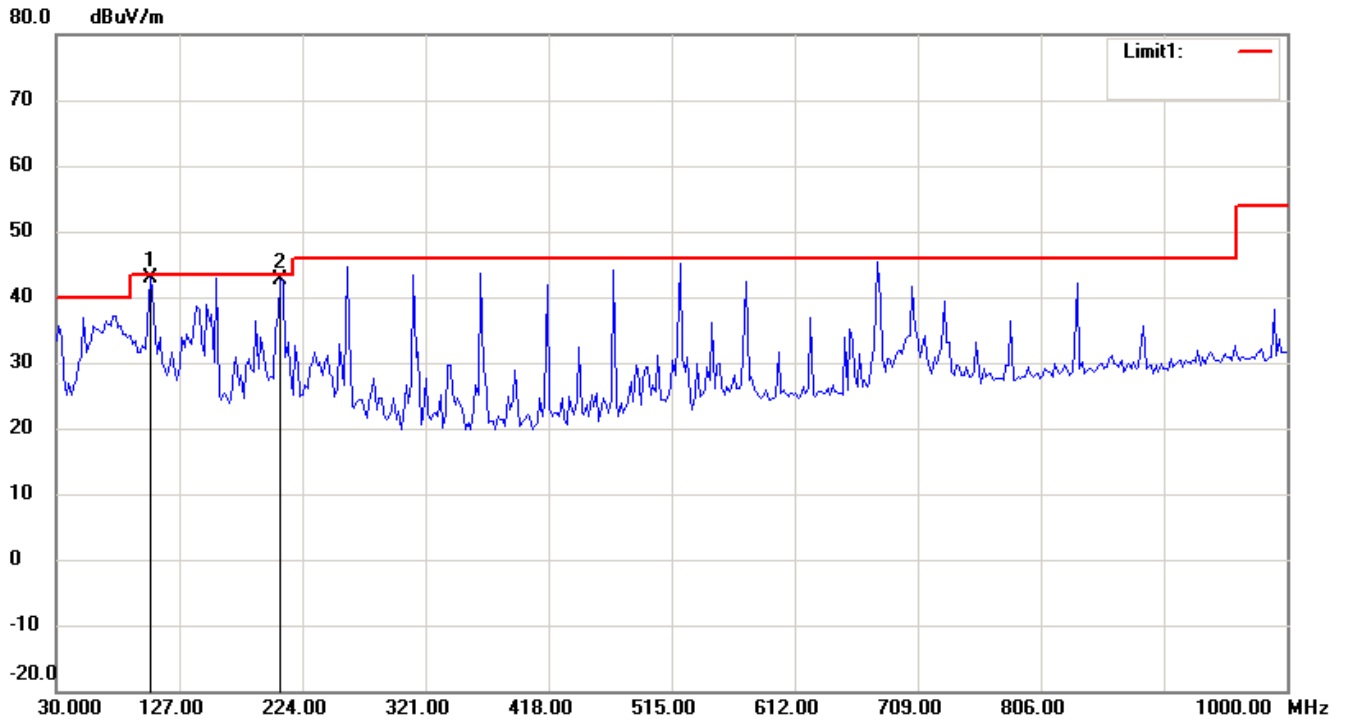
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



Up Line: Peak Limit Line Down Line: Ave Limit Line

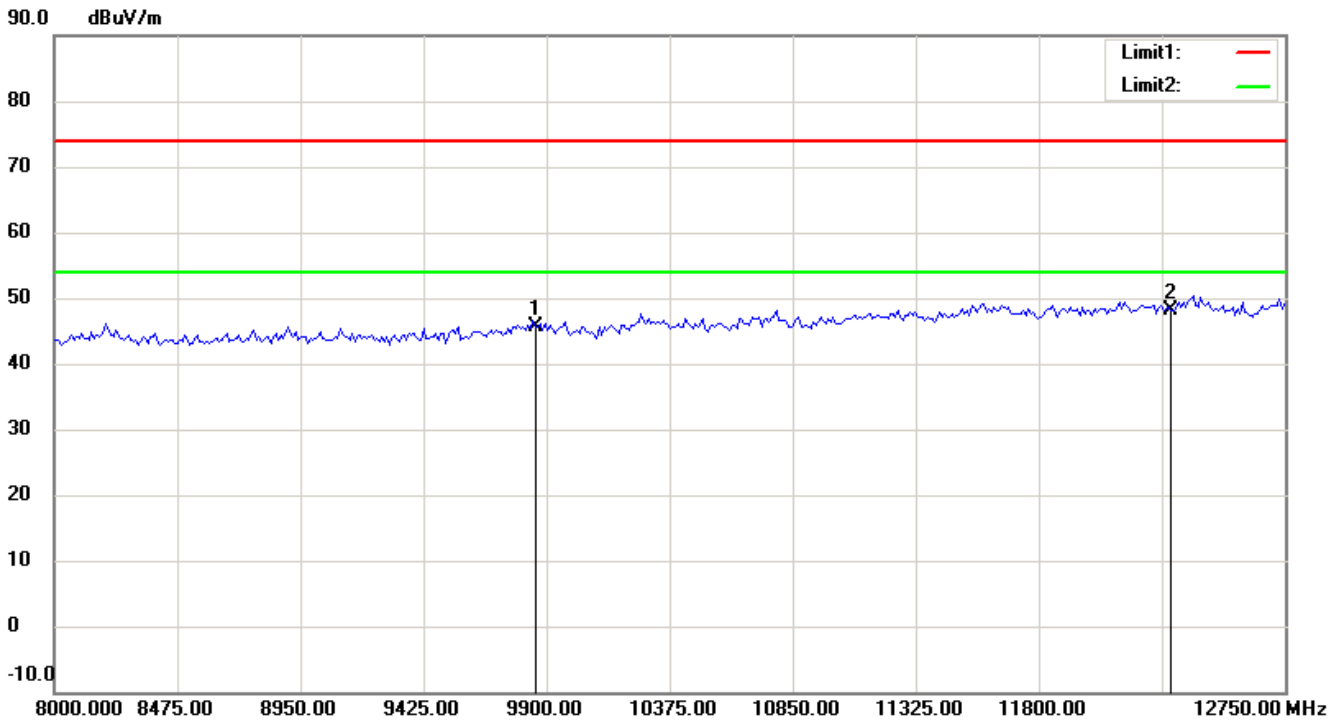
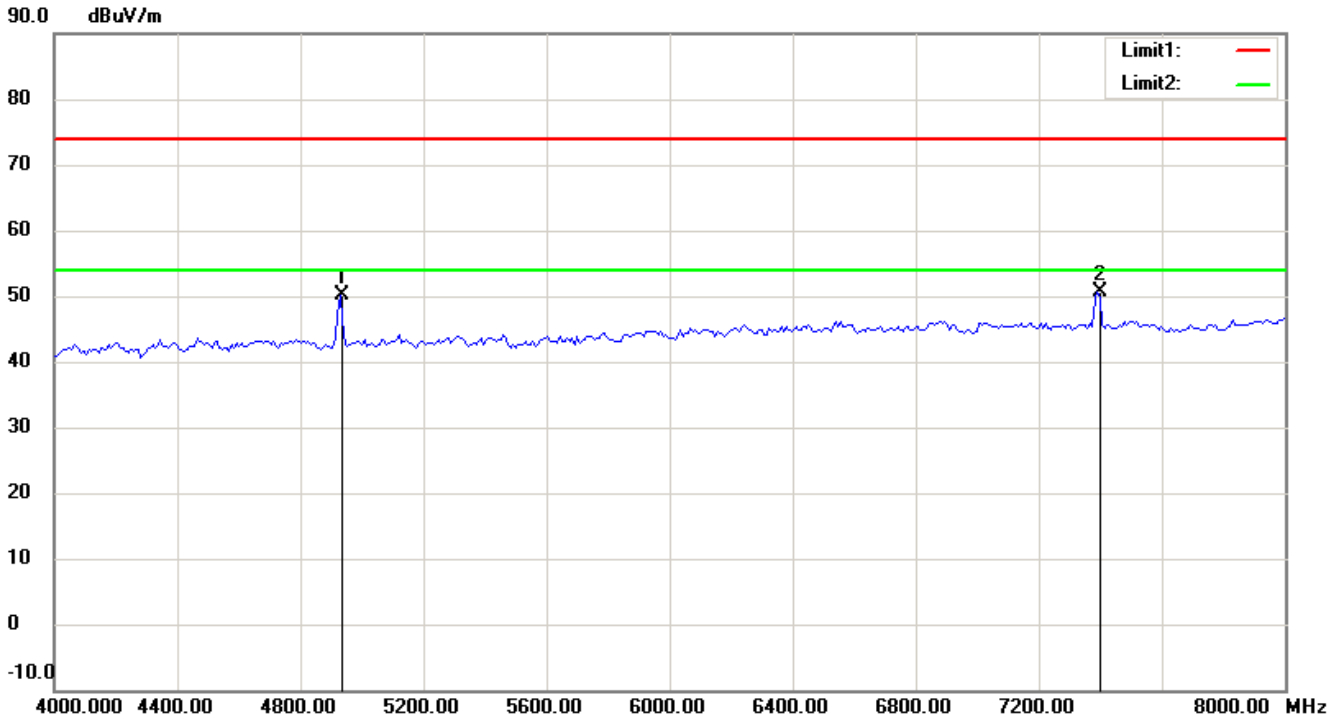
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

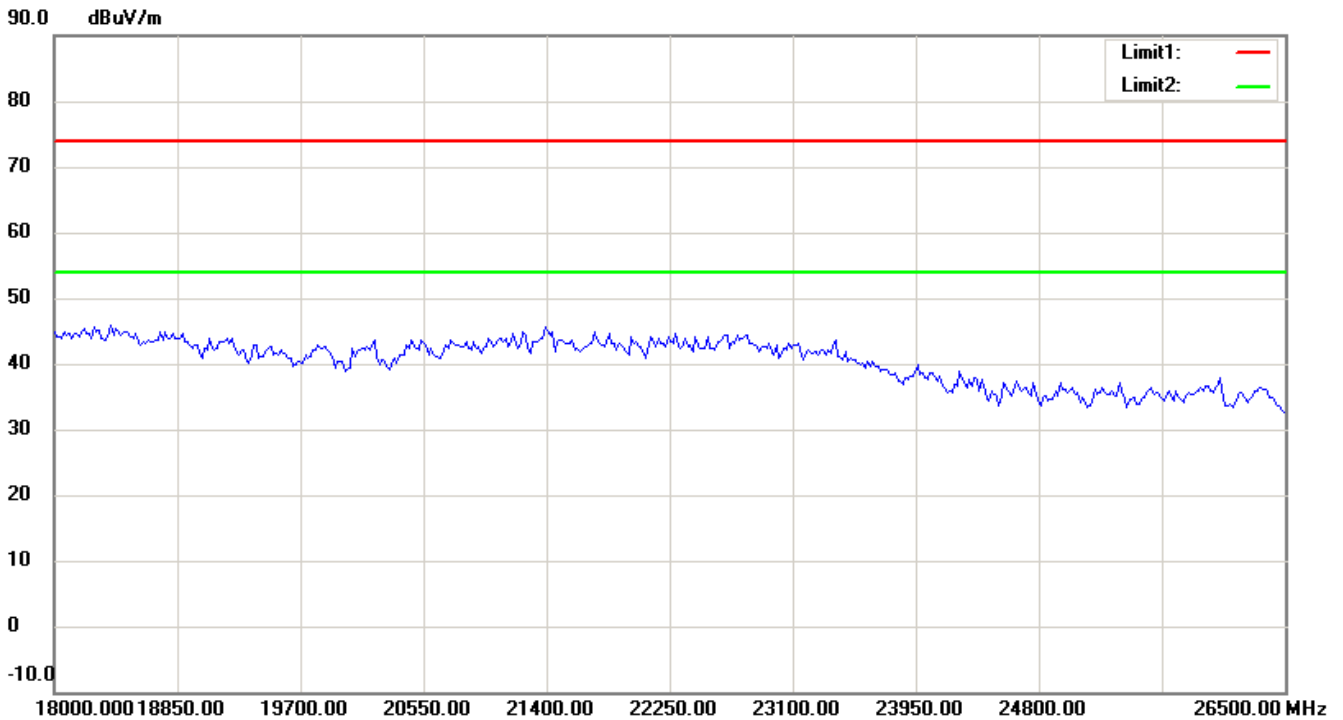
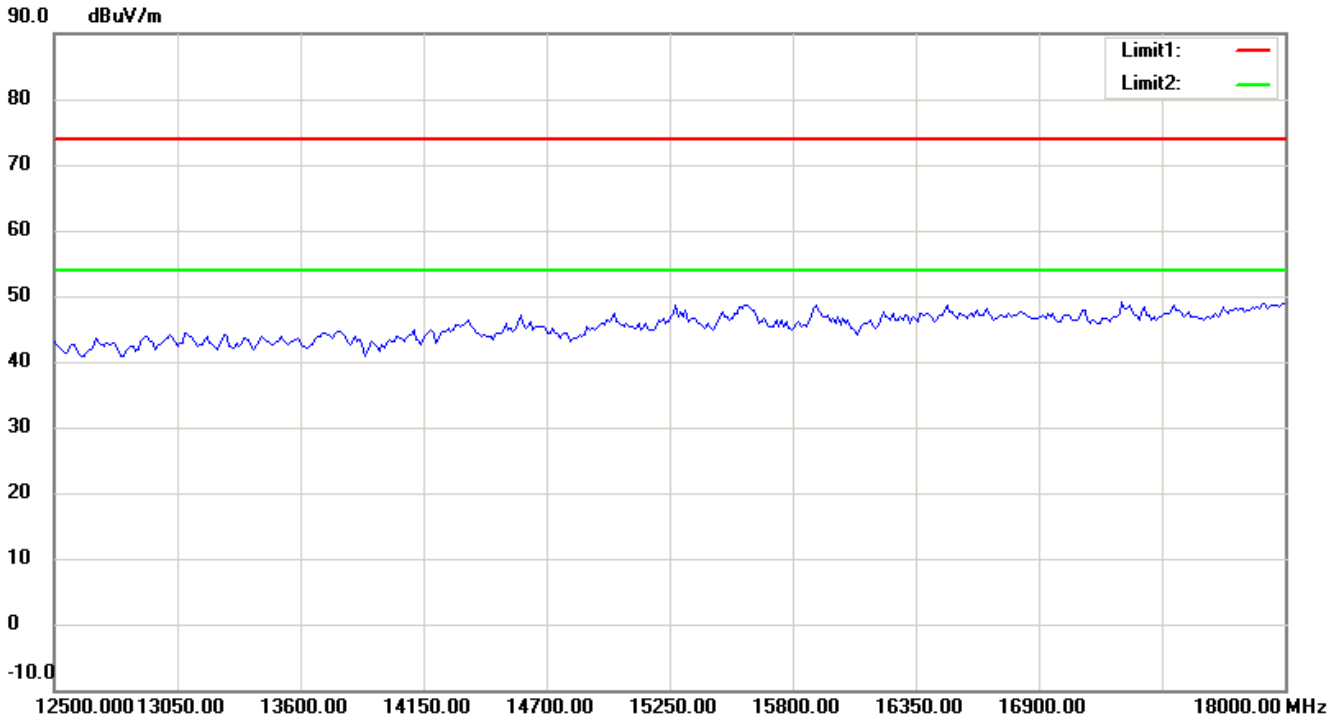
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

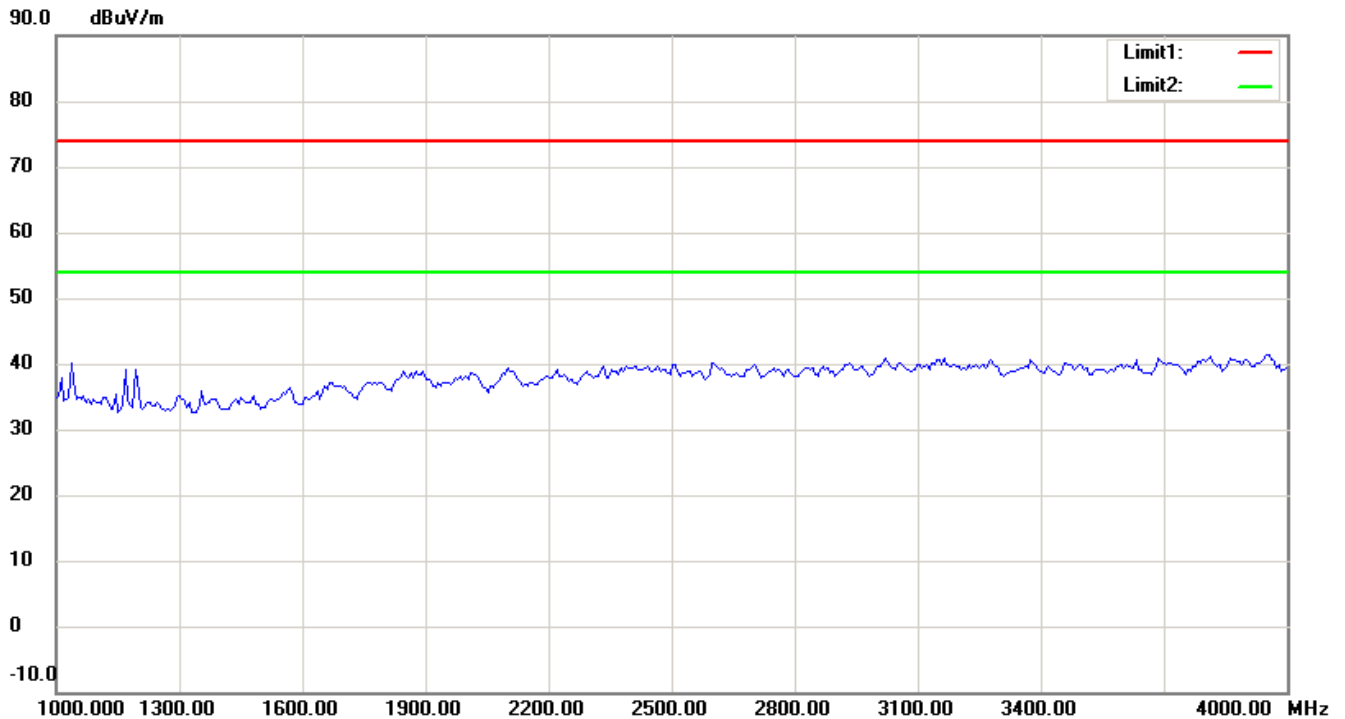
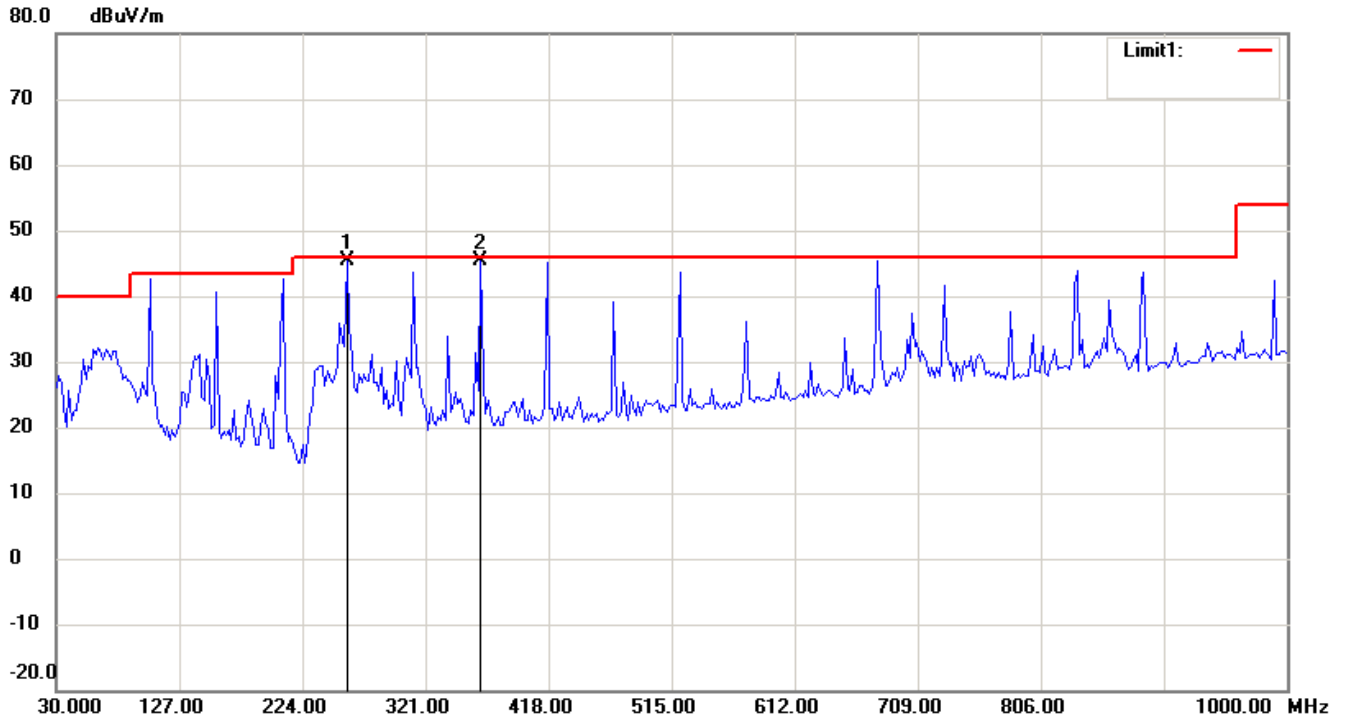
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Antenna B  
802.11b CH1  
Antenna Polarization H



Up Line: Peak Limit Line Down Line: Ave Limit Line

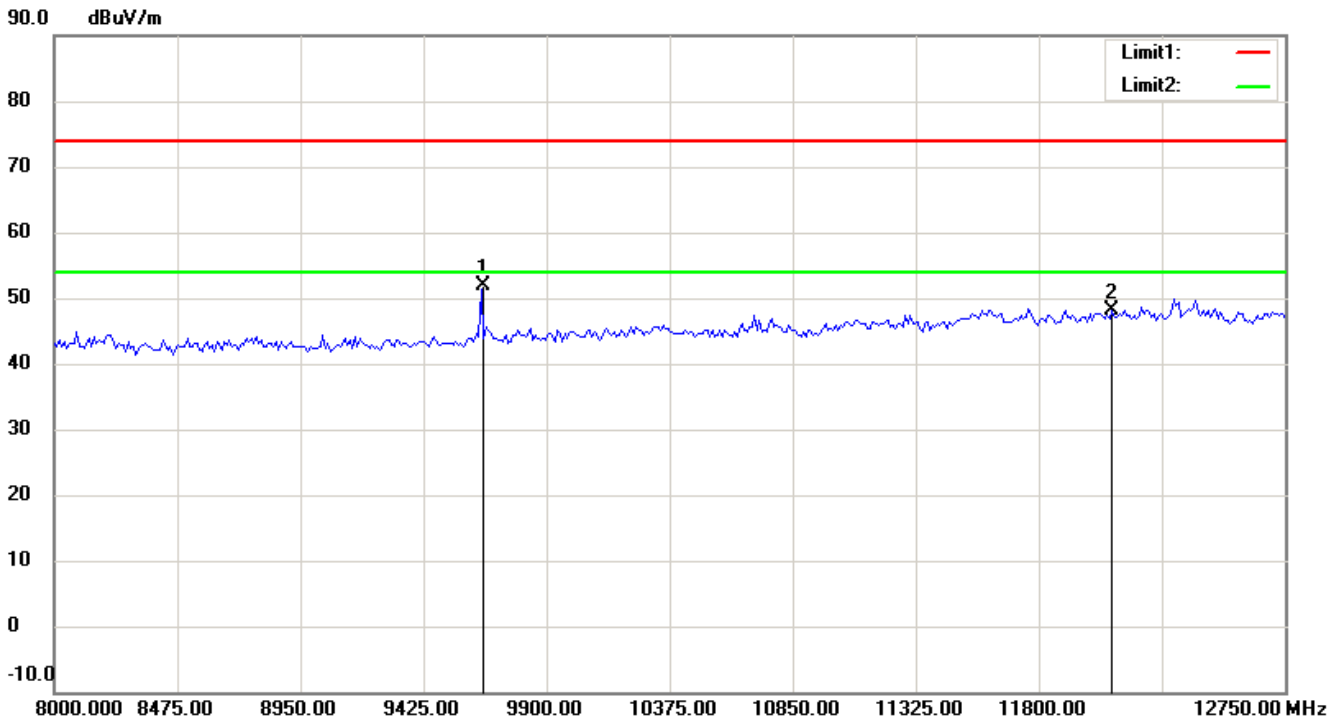
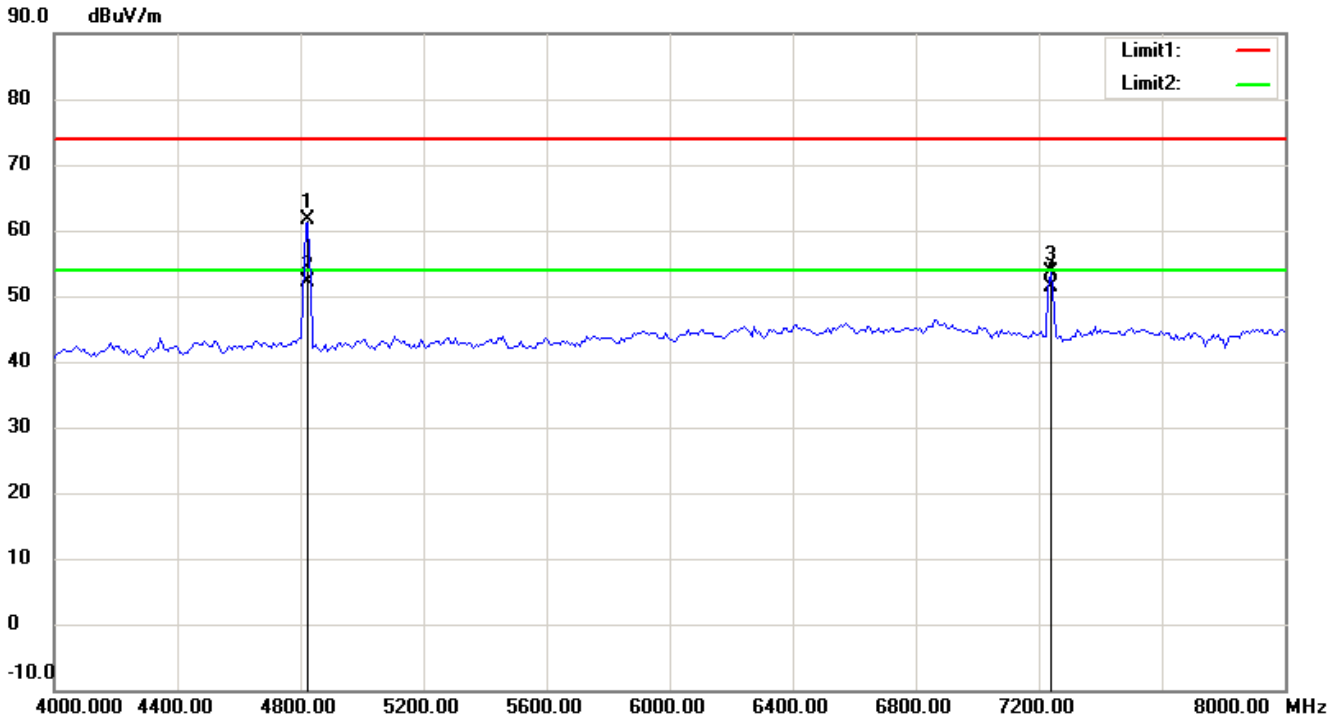
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



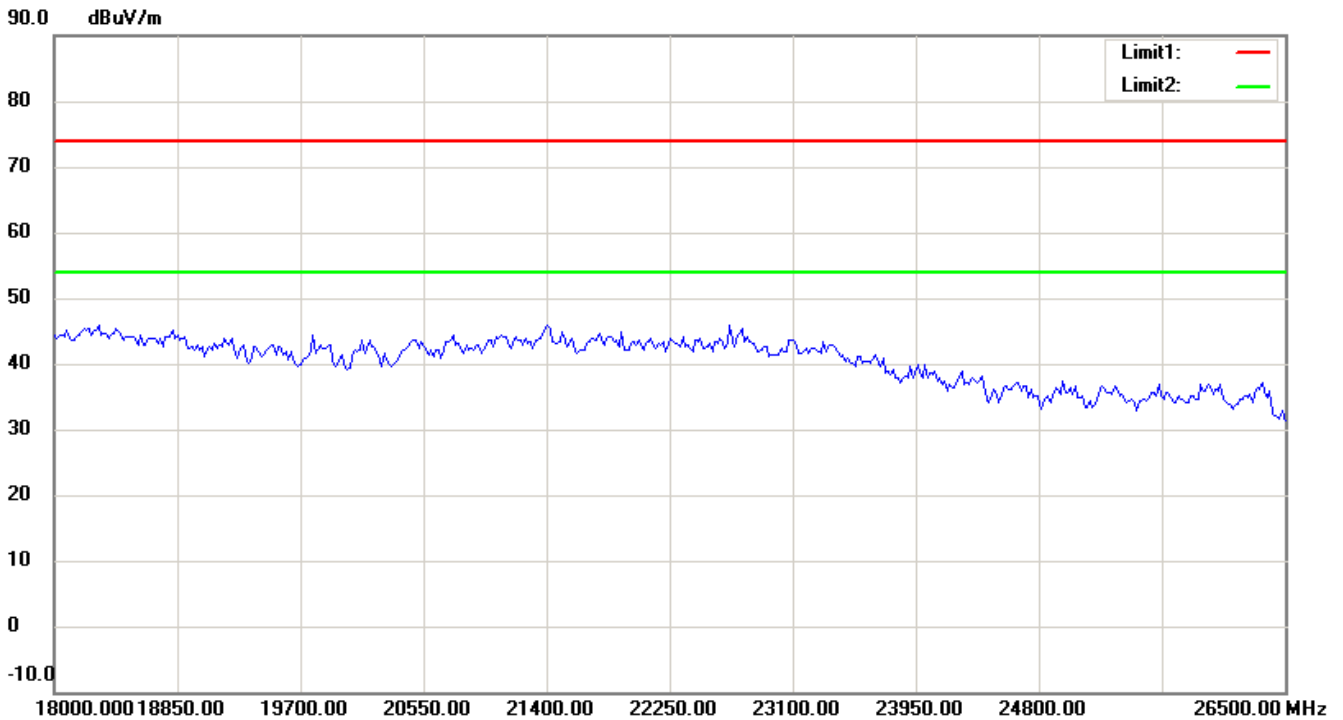
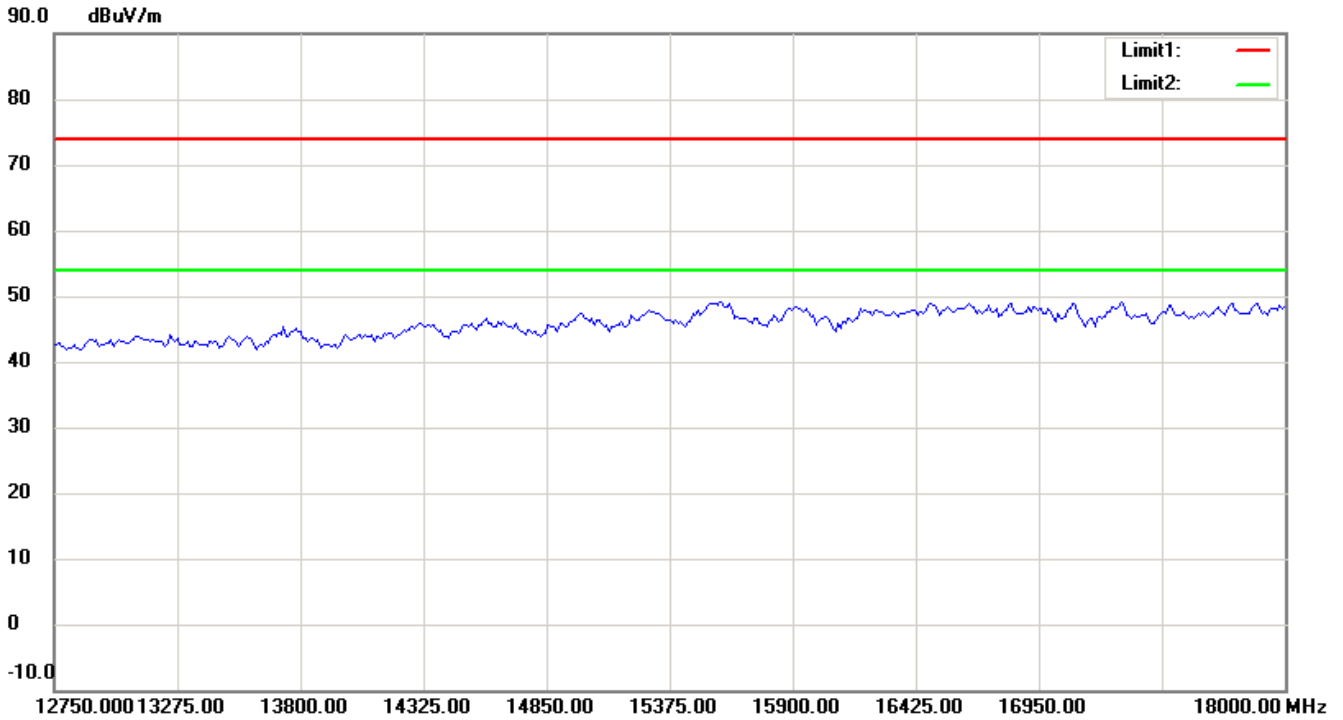
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

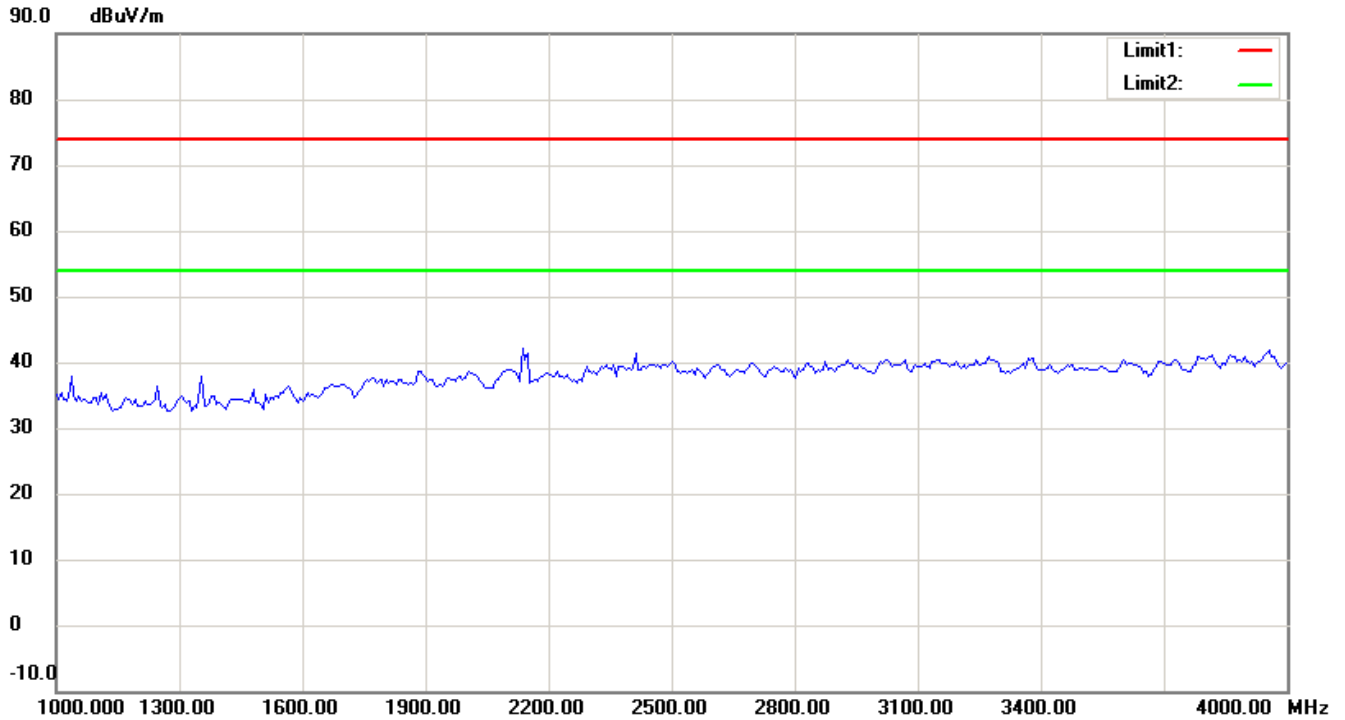
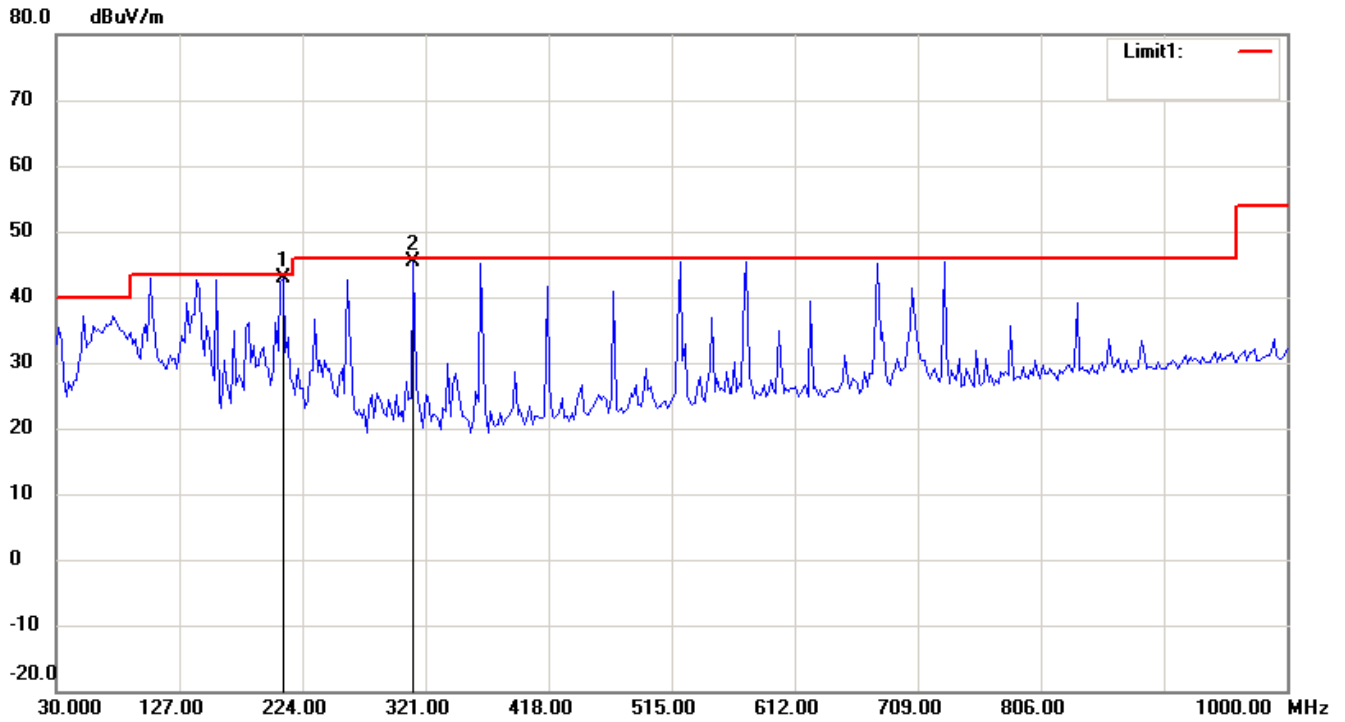
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



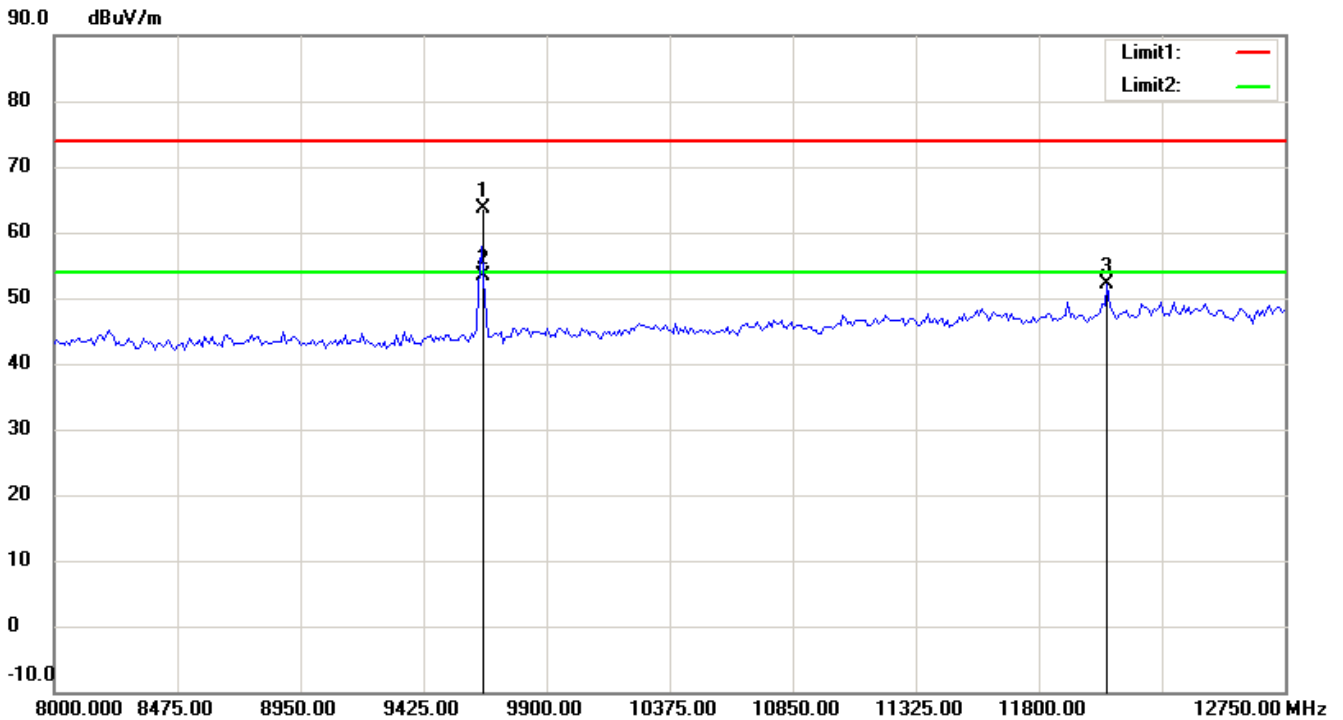
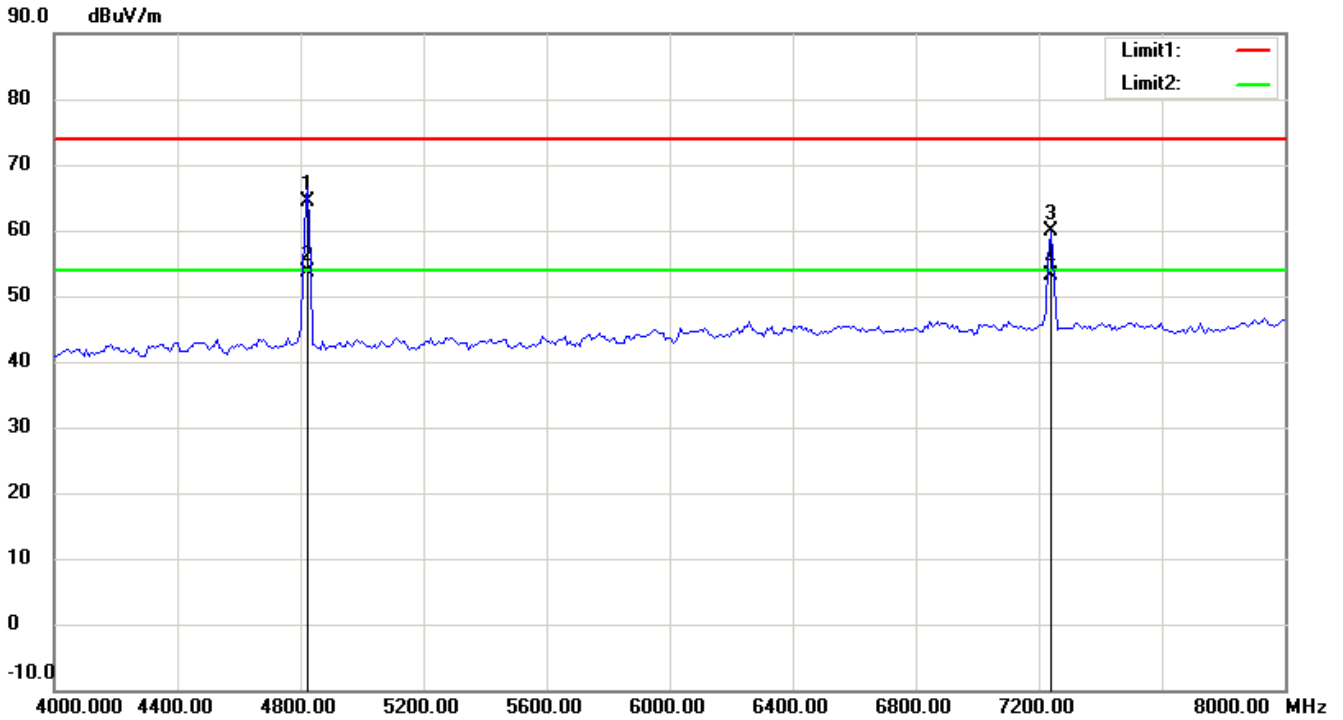
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

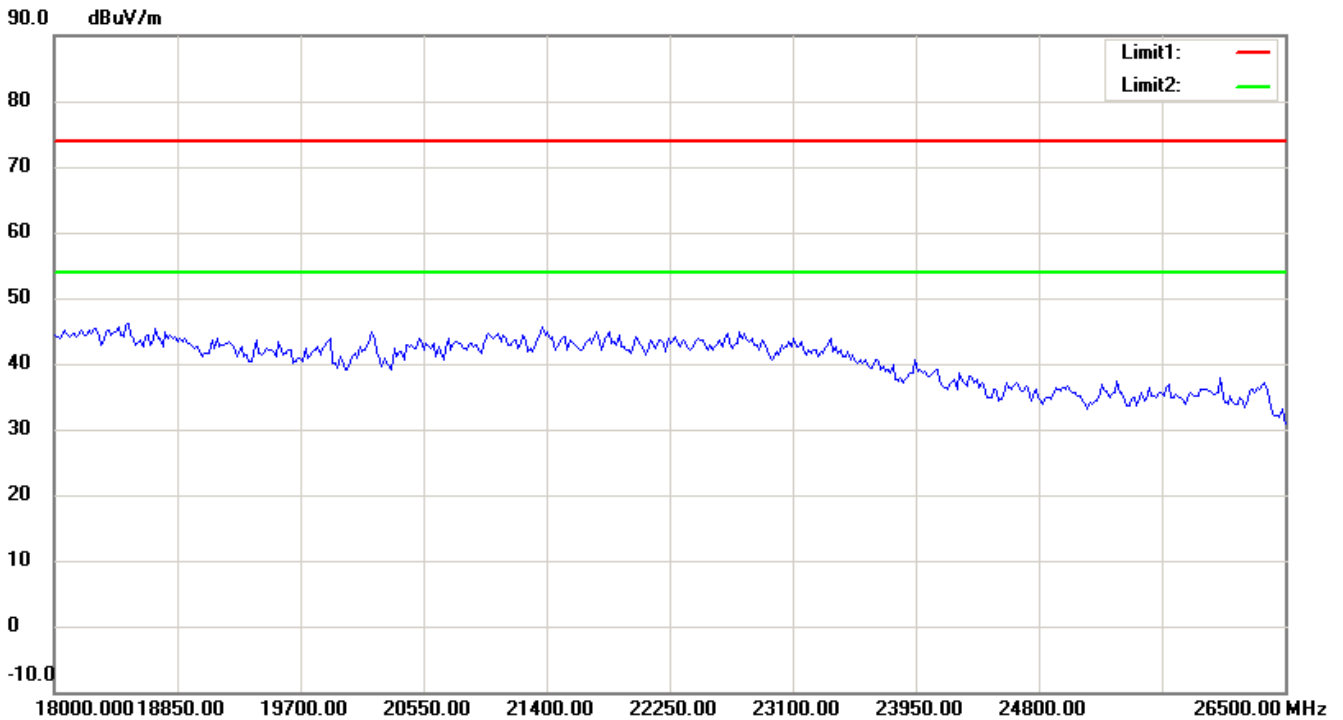
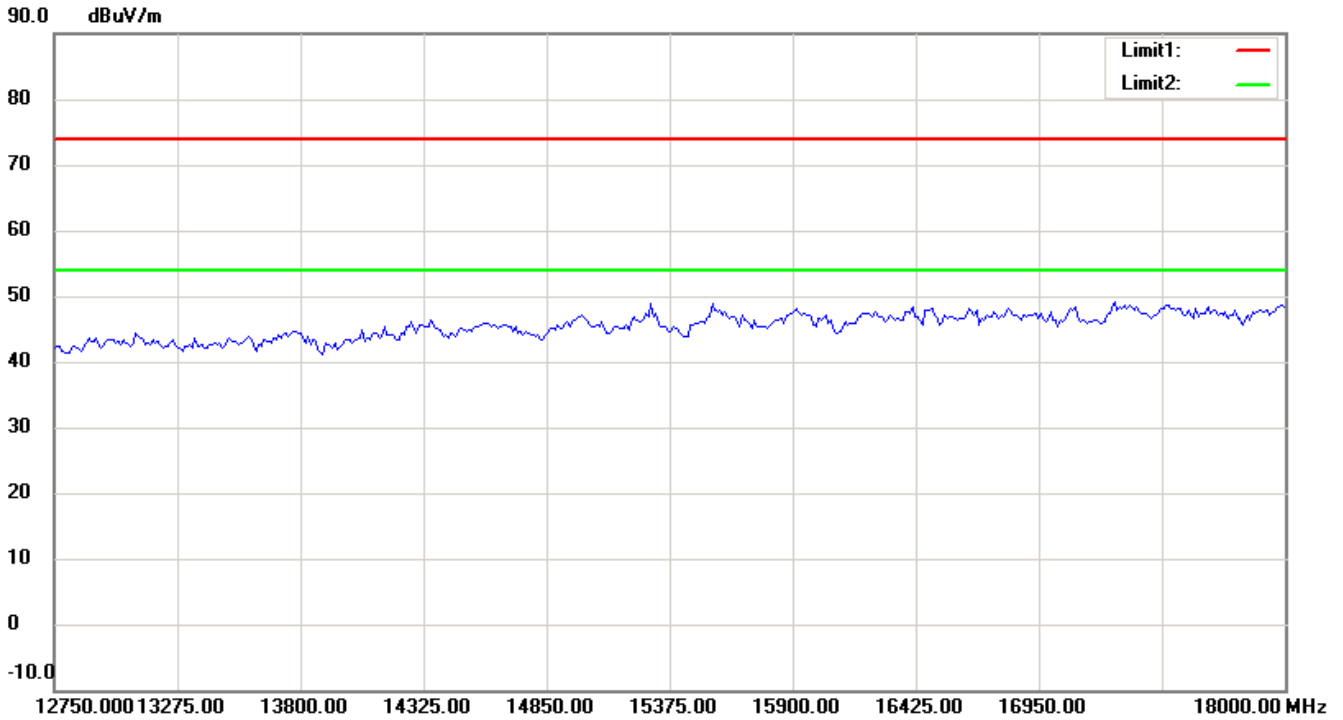
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

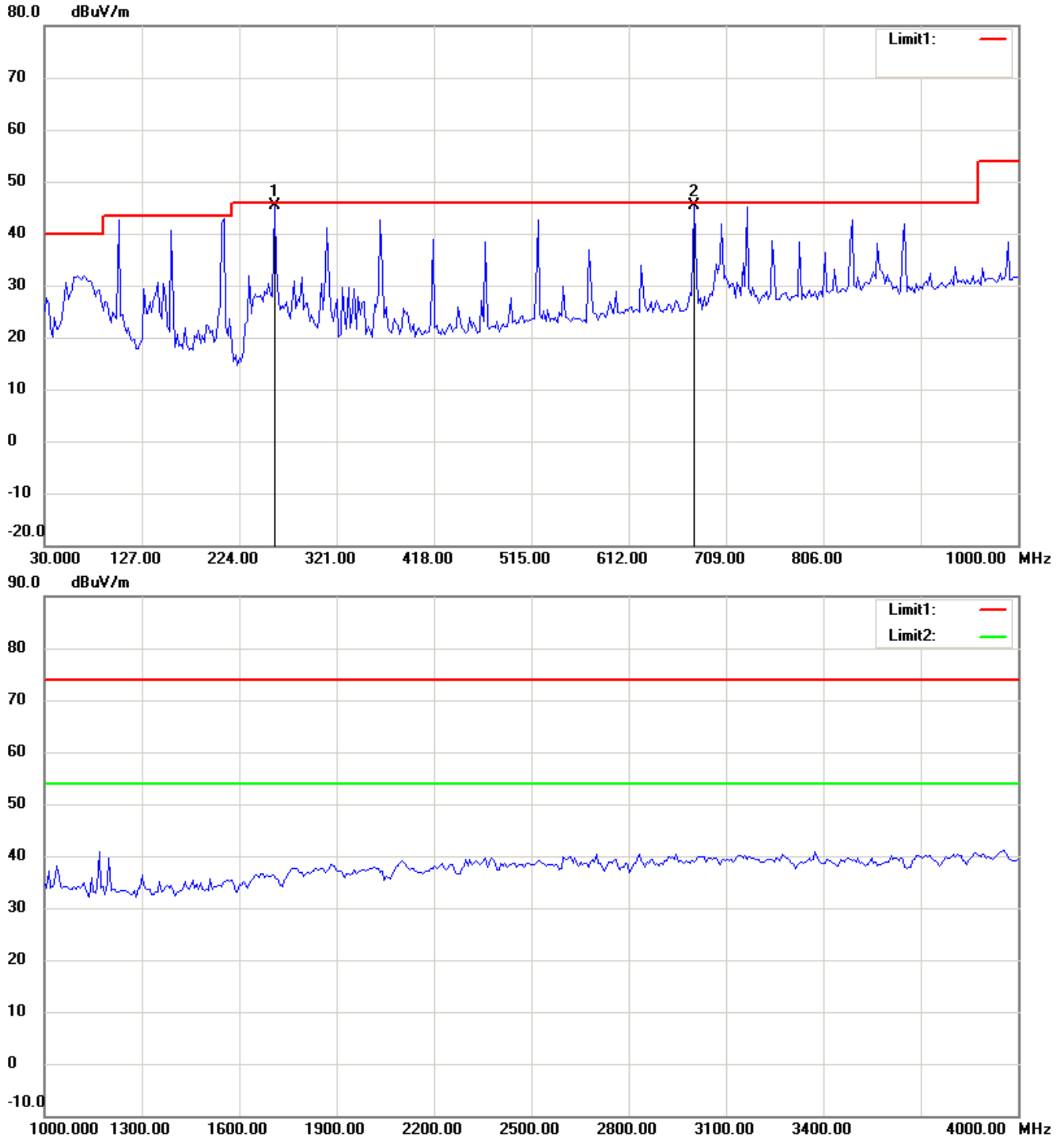
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

802.11b CH6

Antenna Polarization H



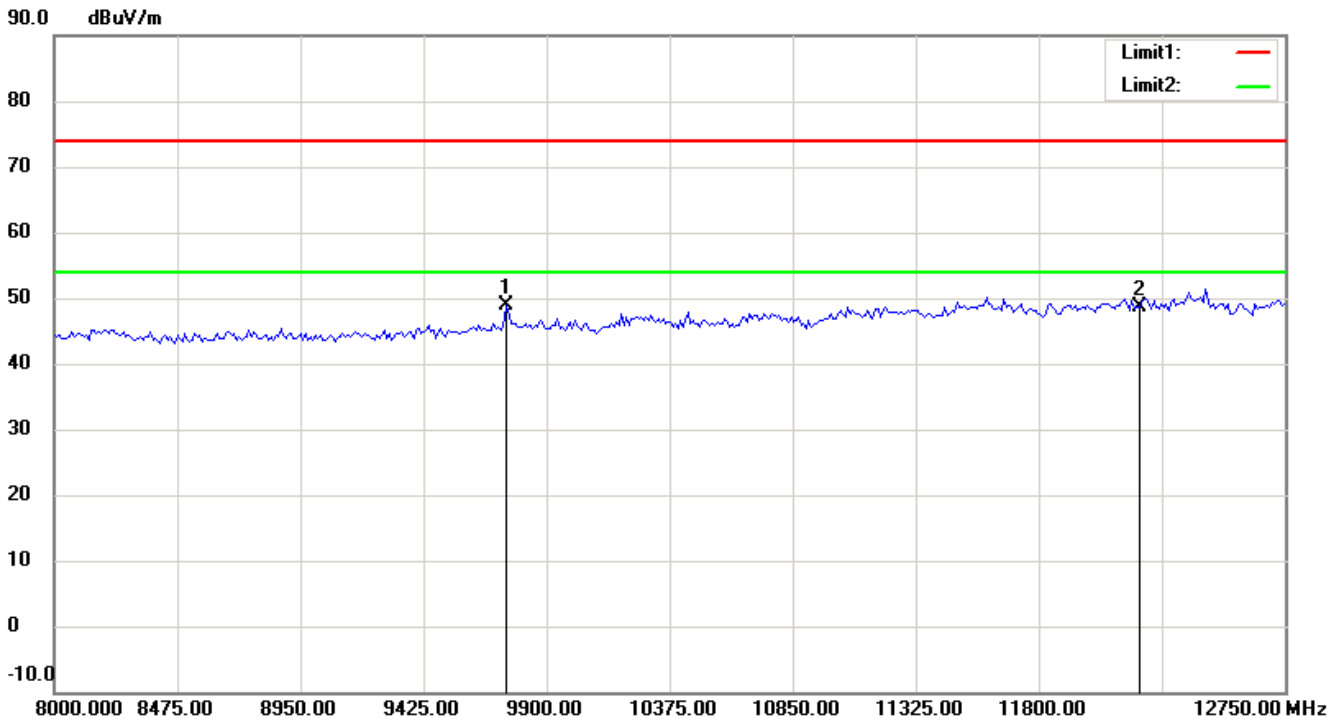
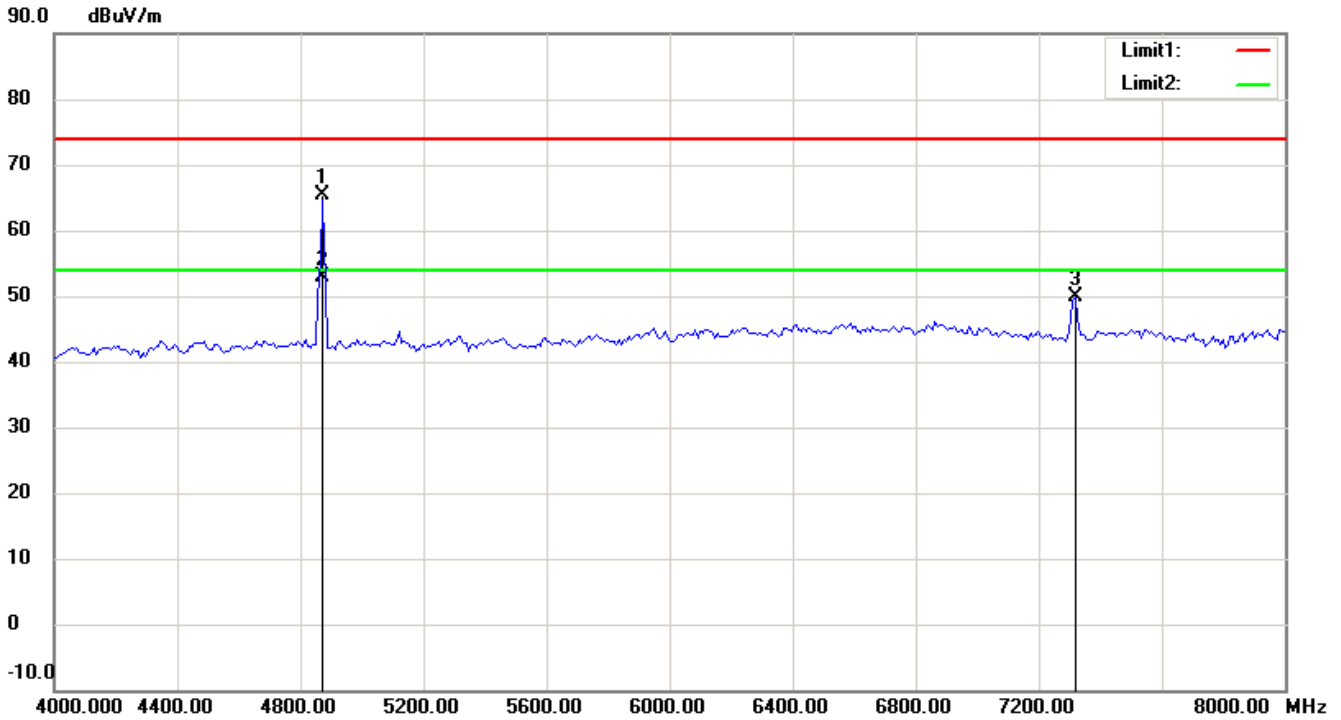
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

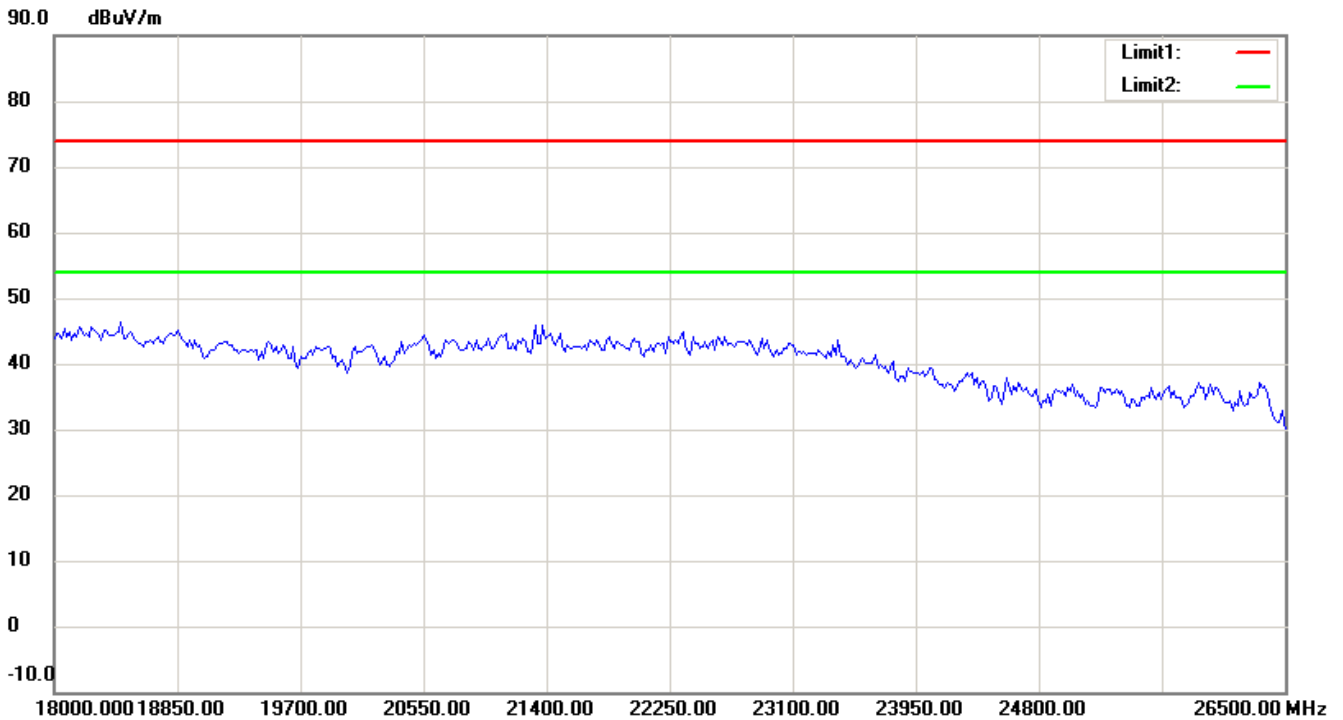
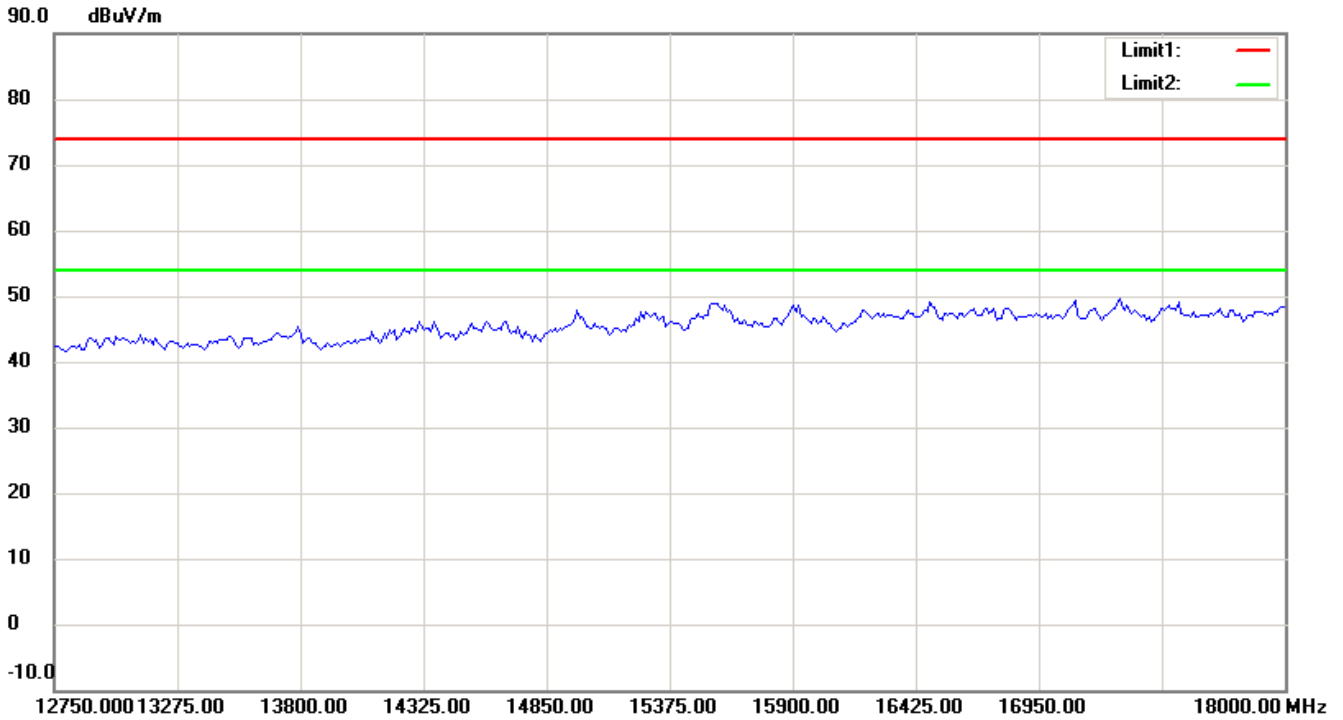
Note:

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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# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

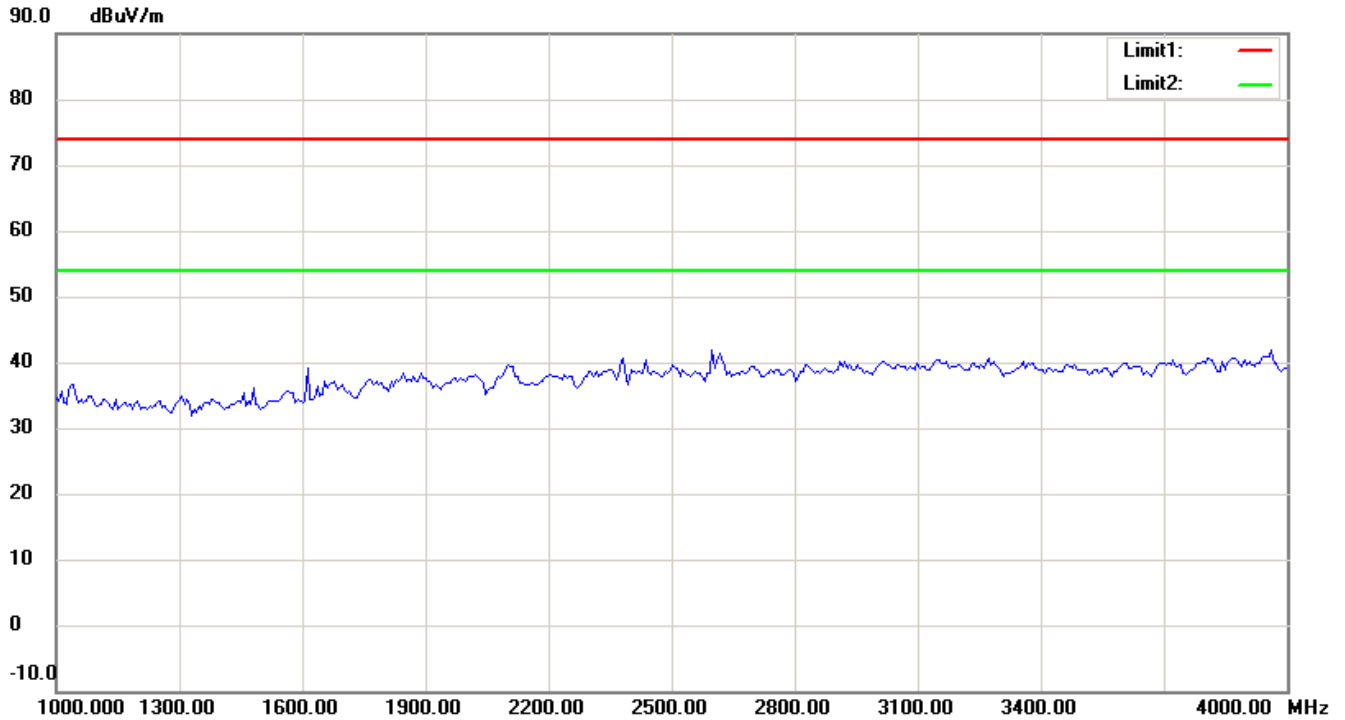
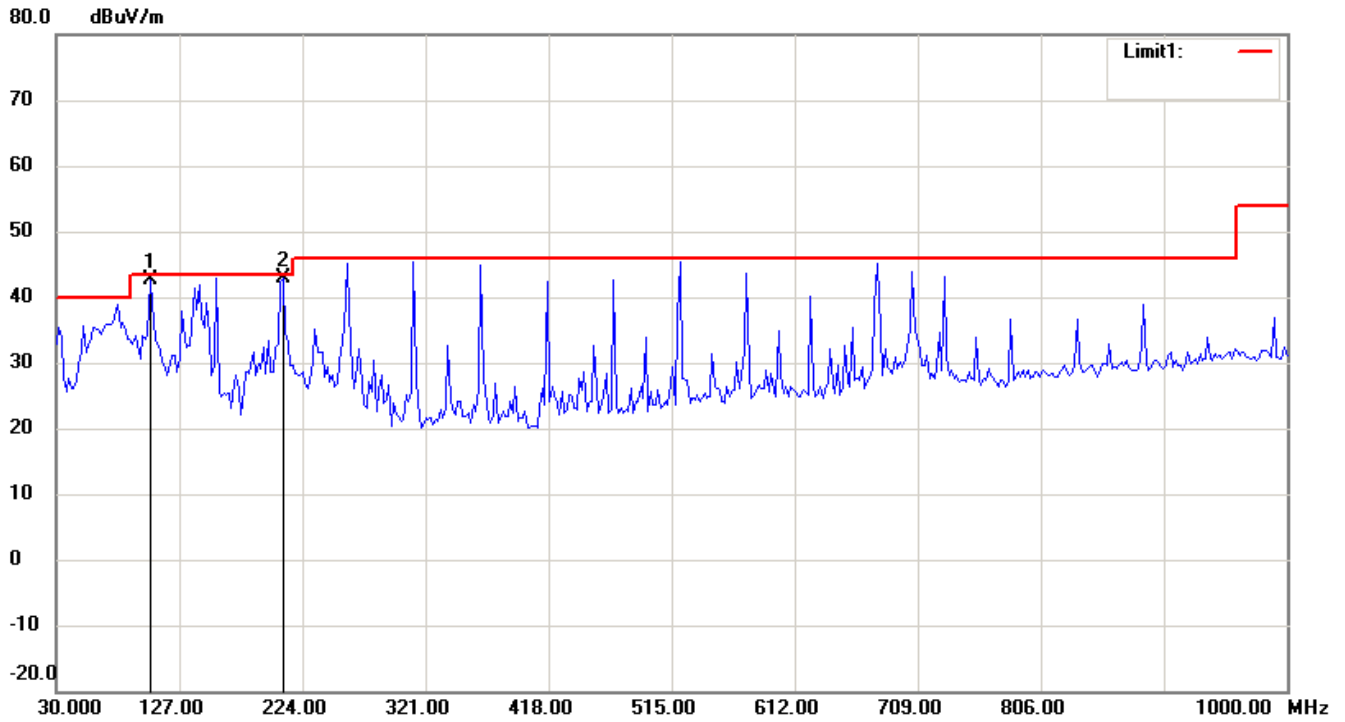
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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





Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



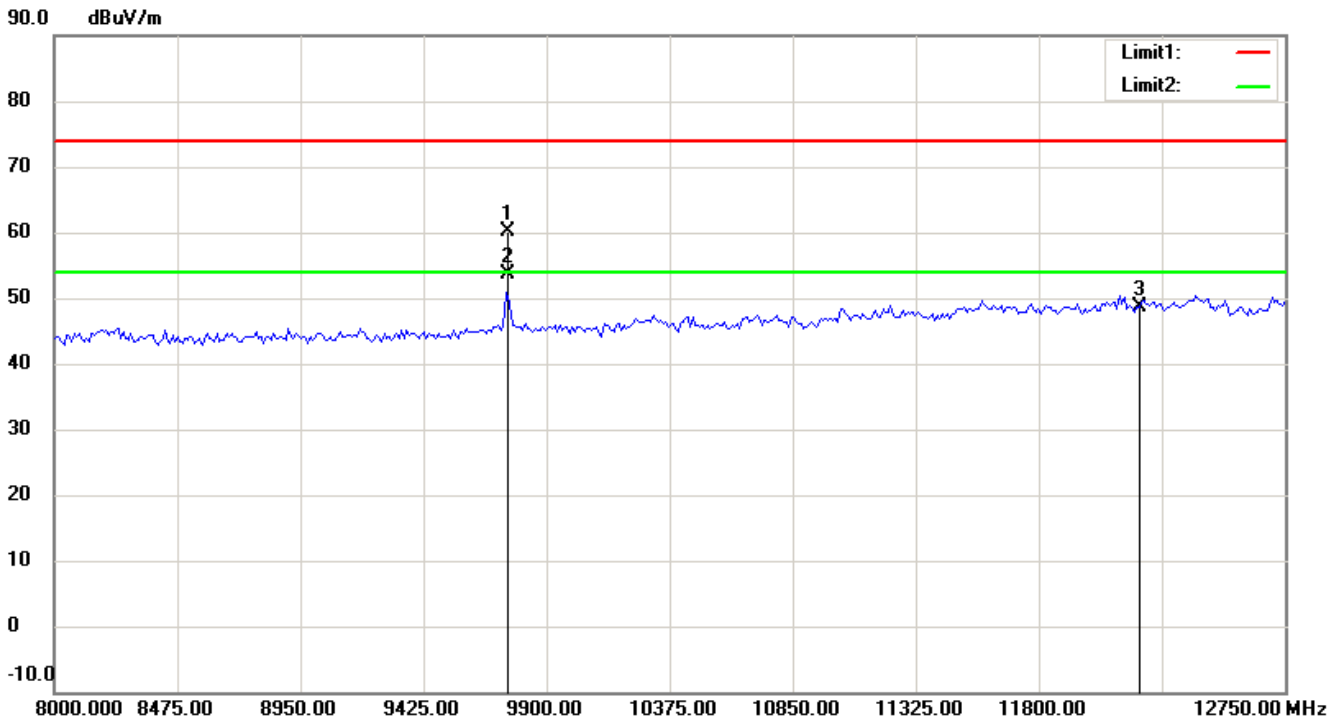
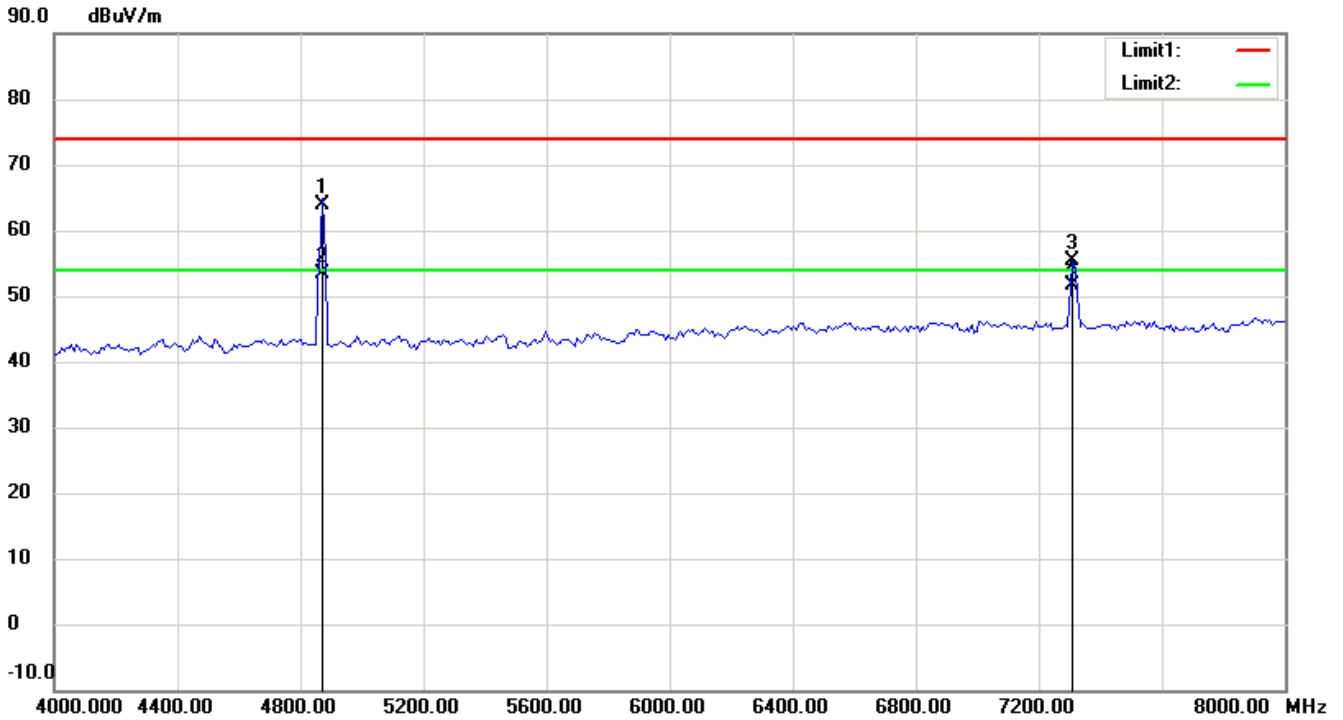
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

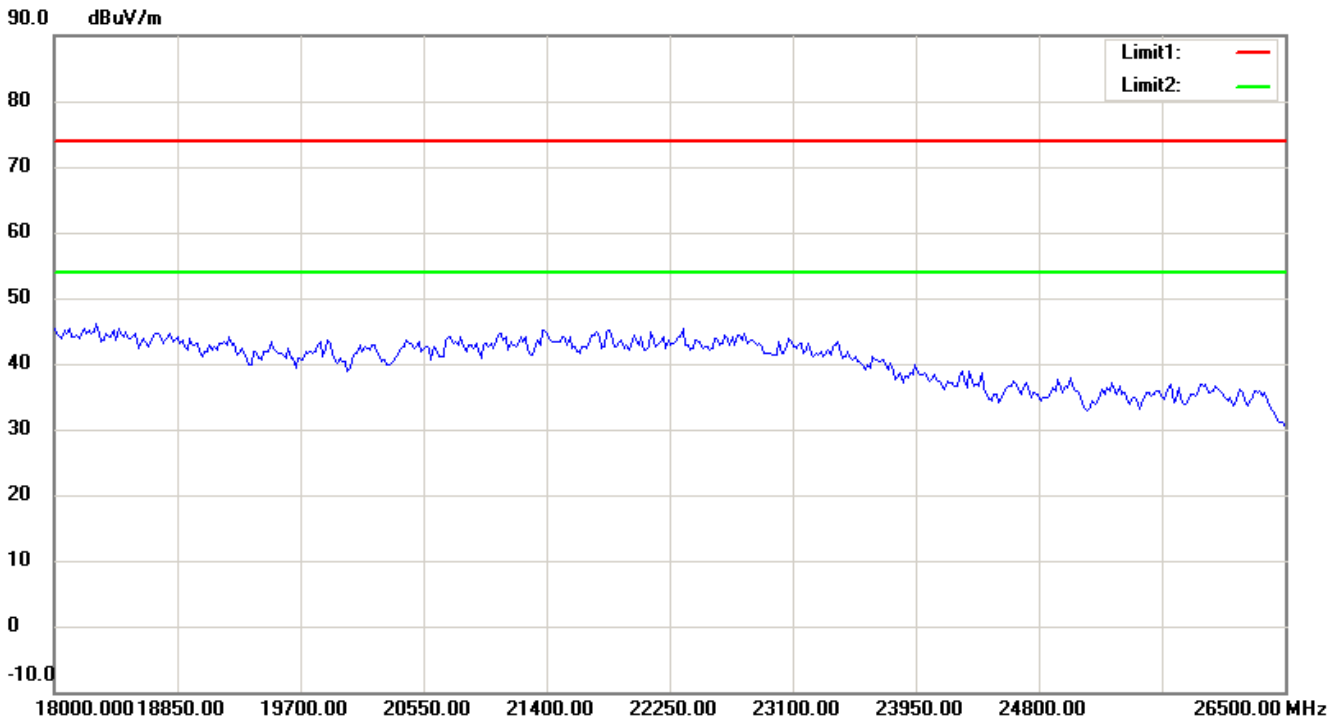
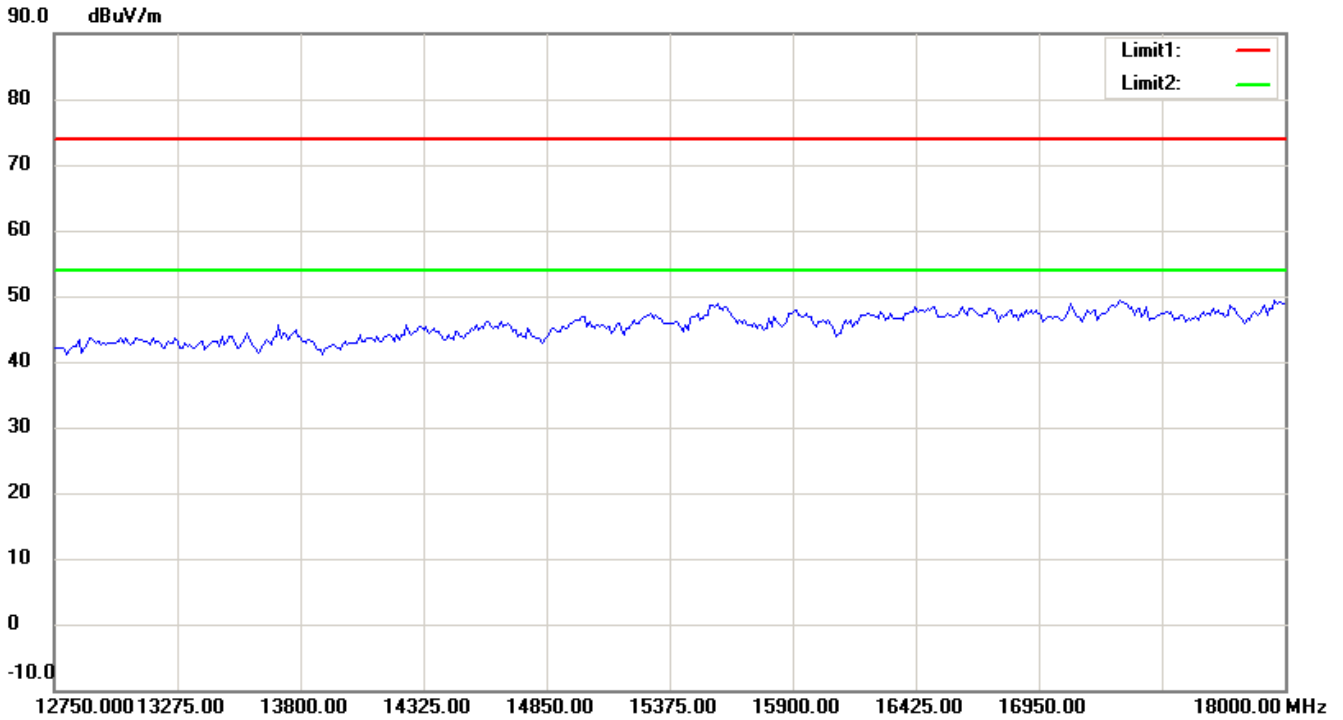
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

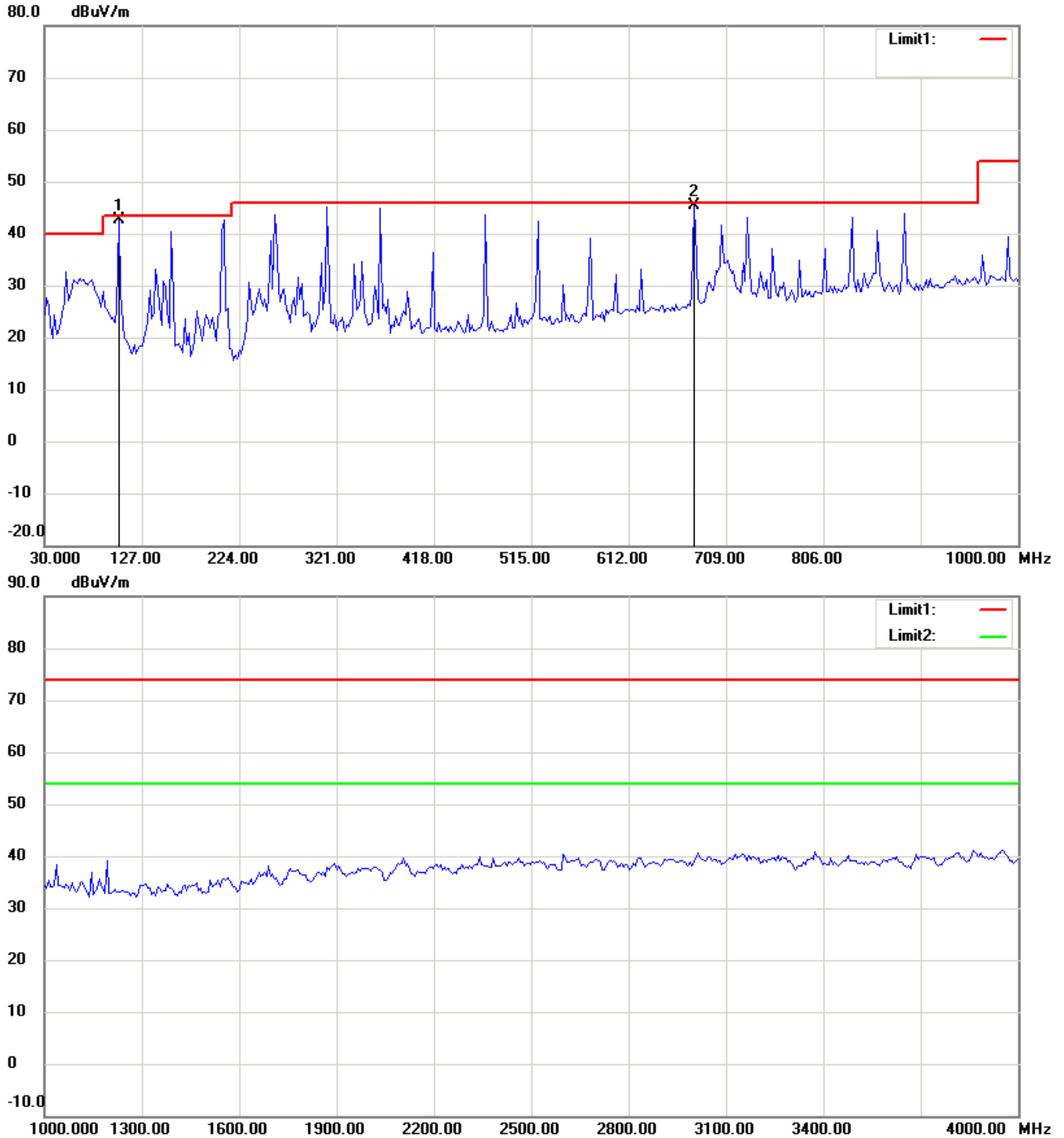
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11b CH11

### Antenna Polarization H



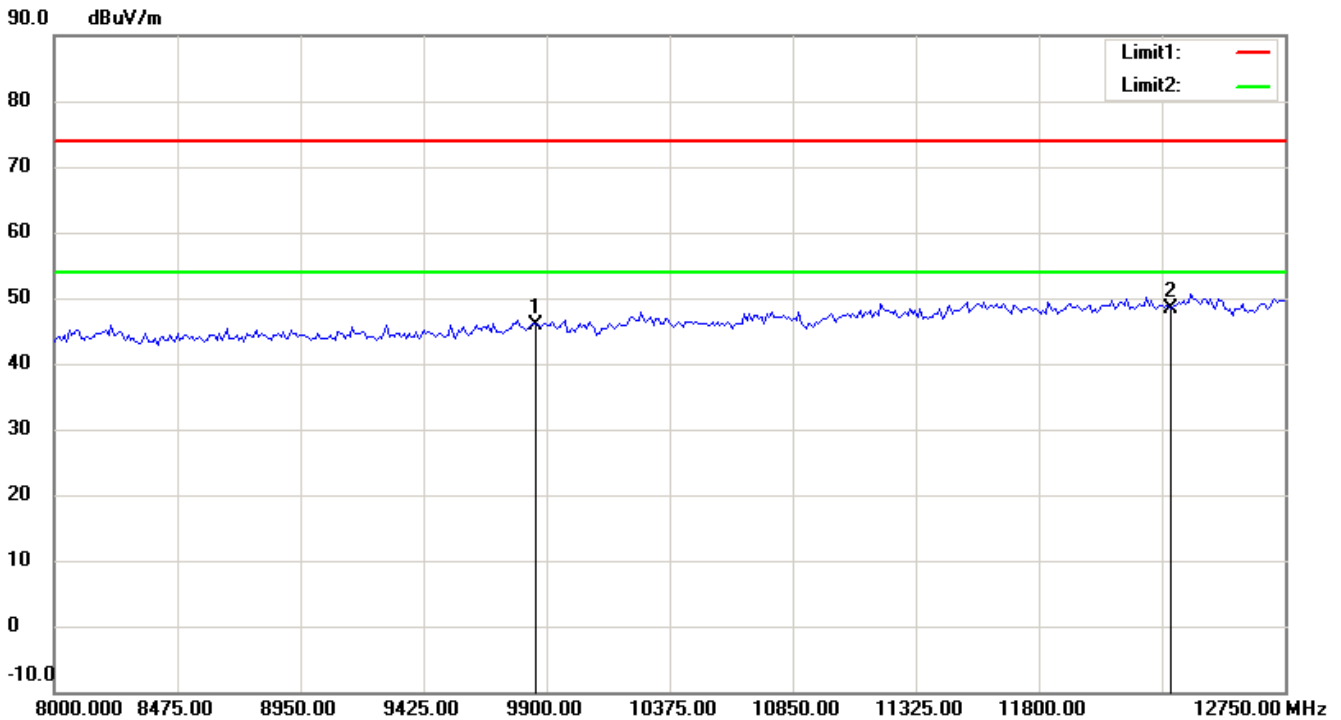
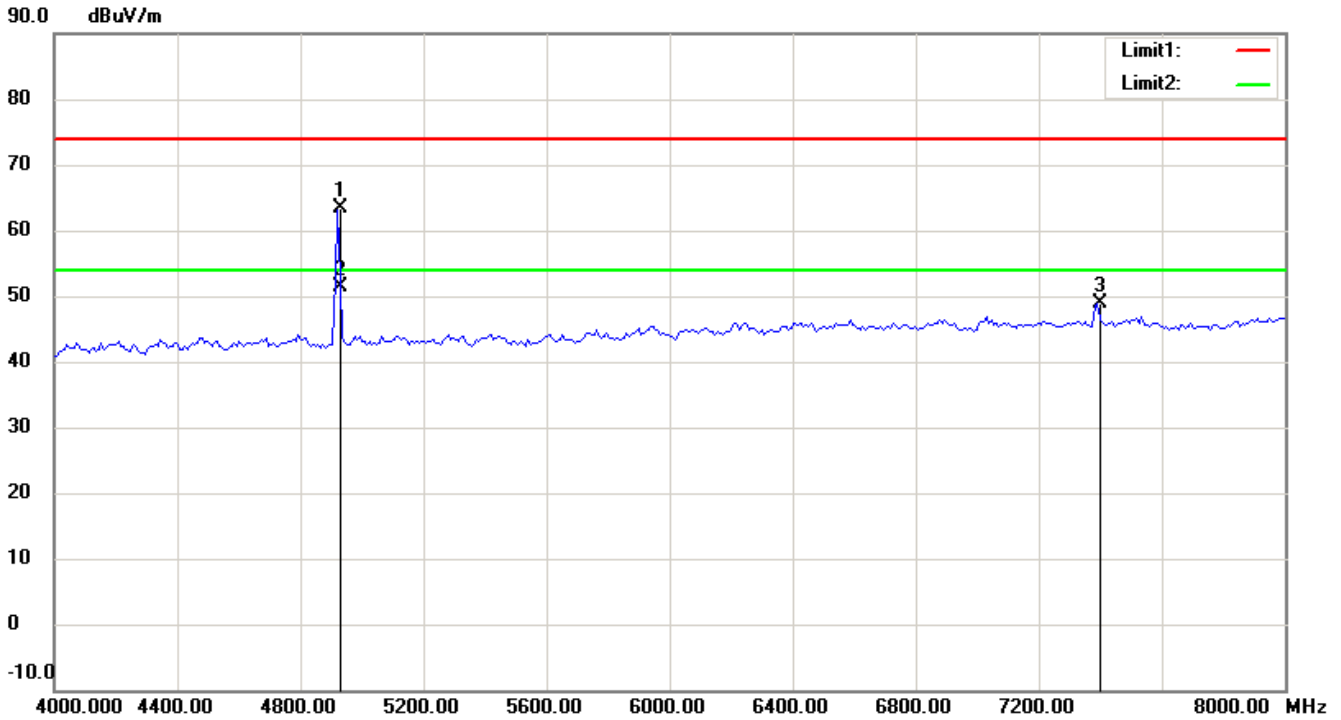
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

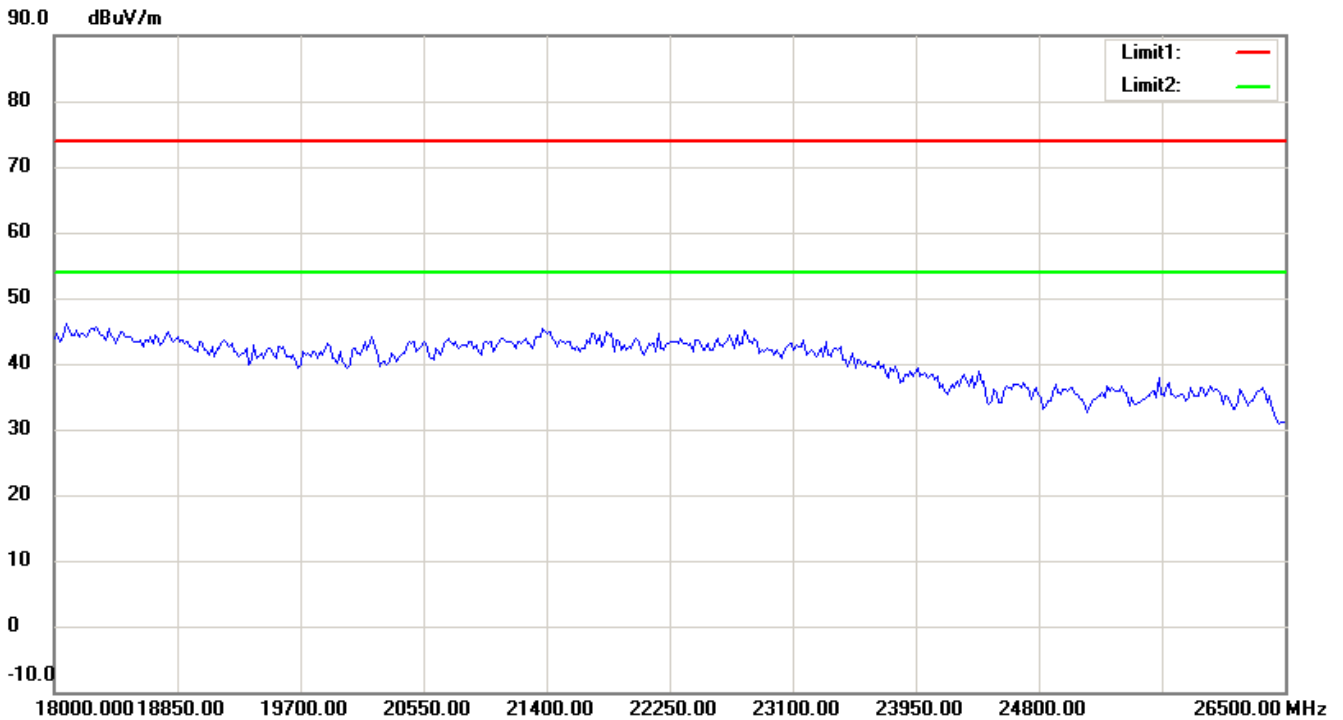
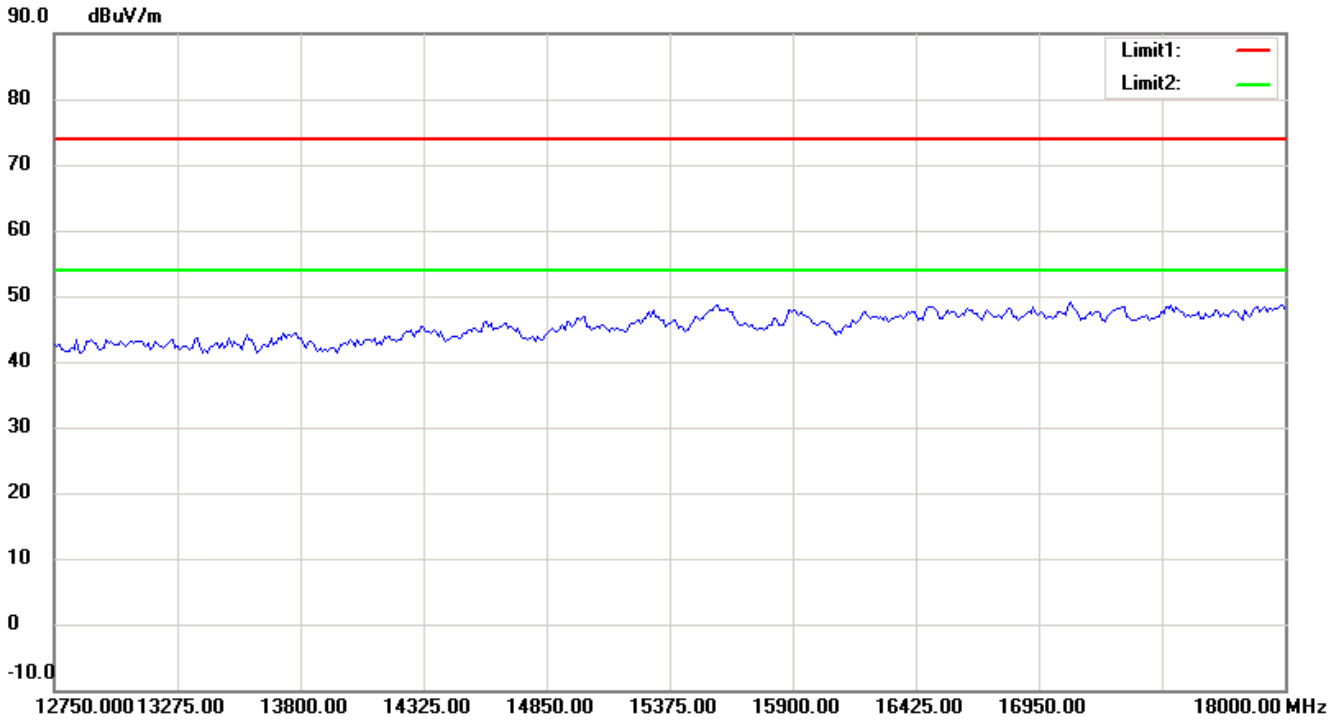
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

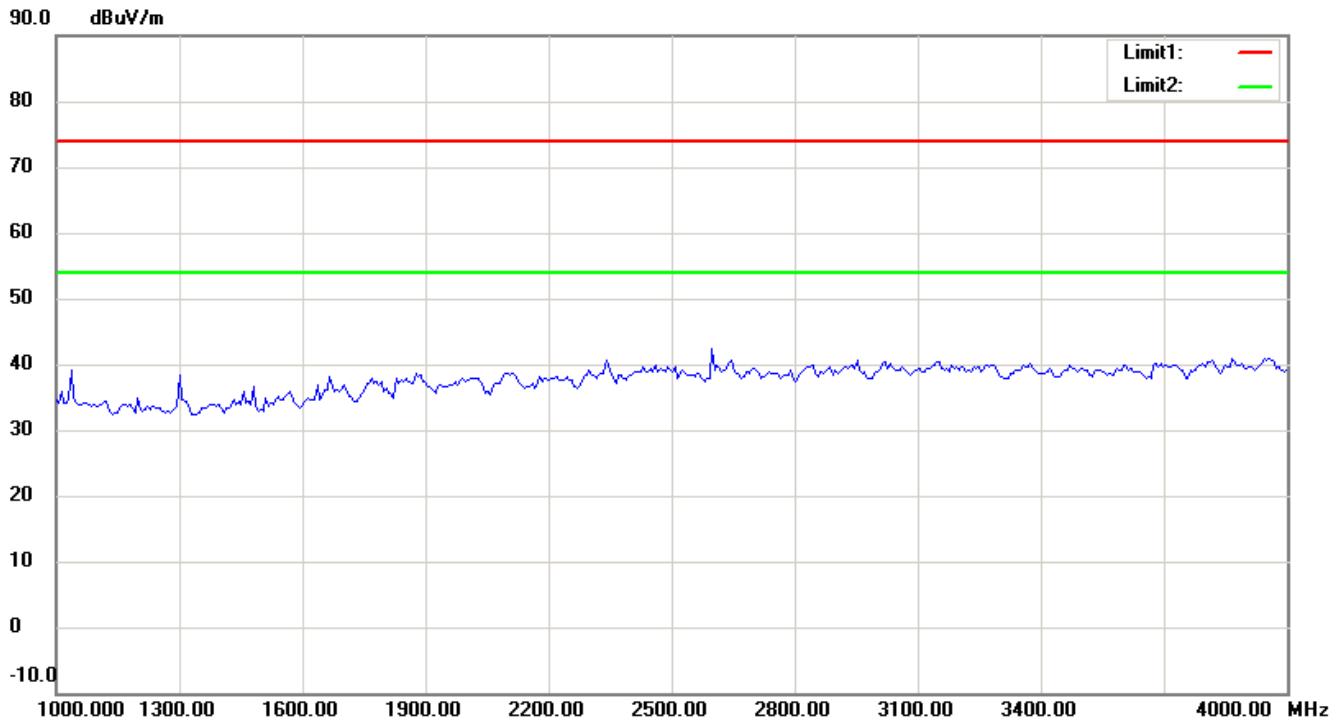
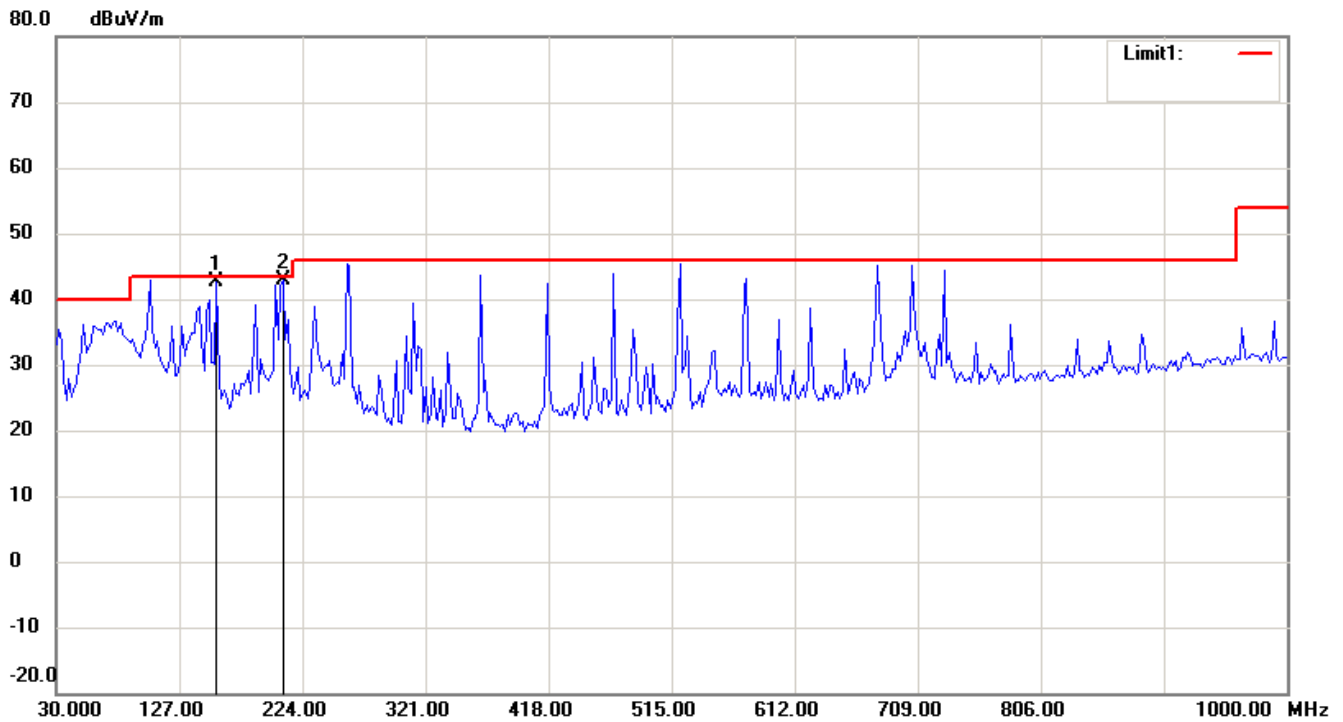
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



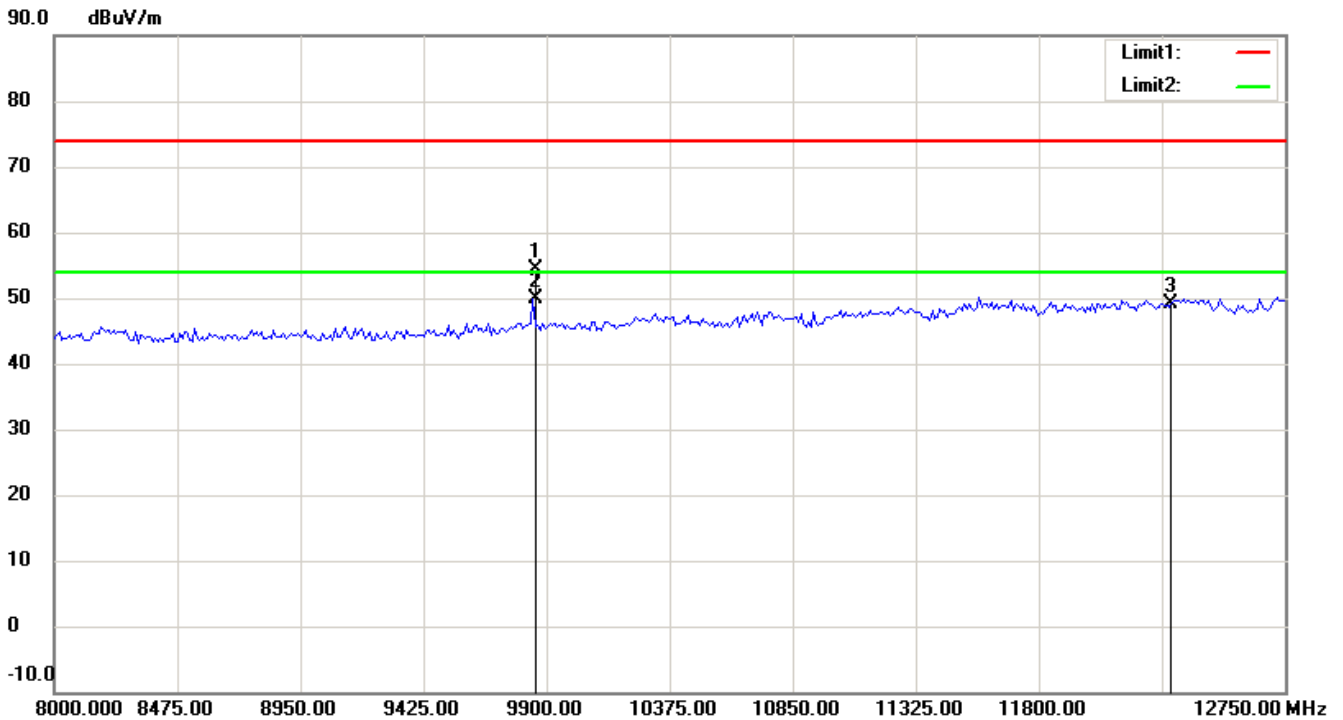
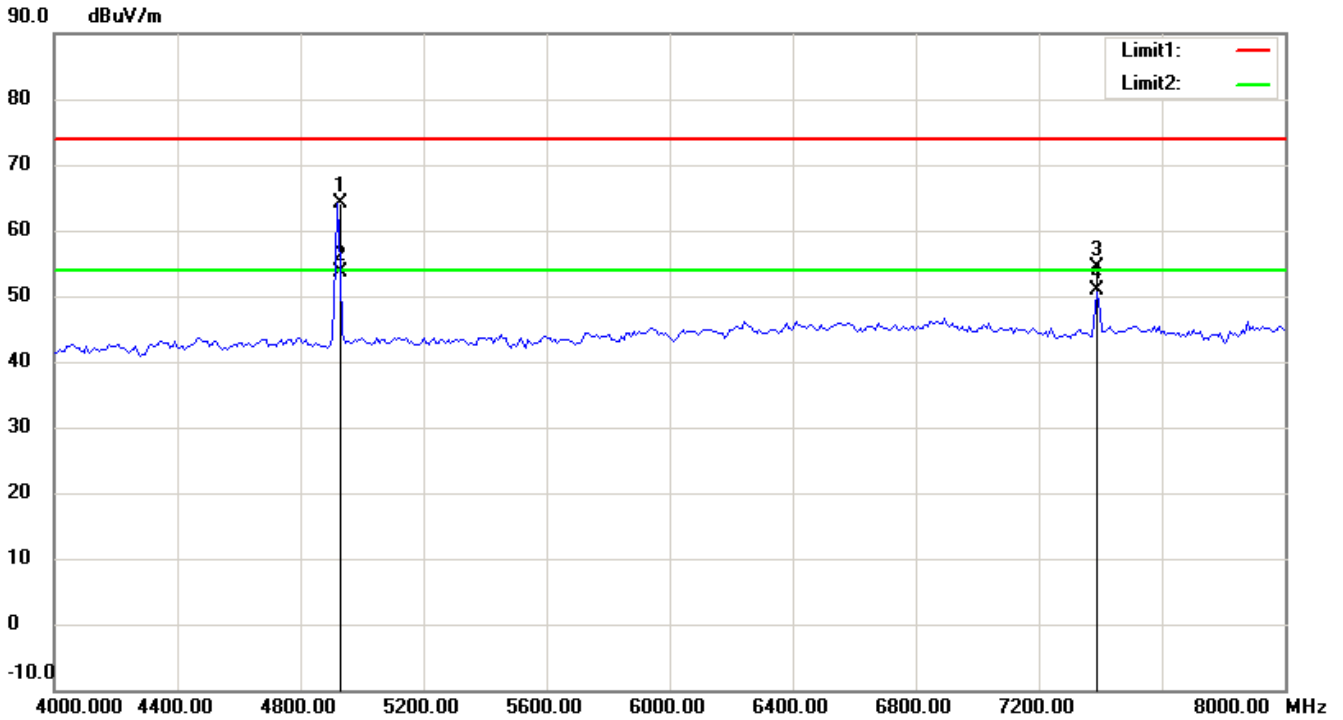
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

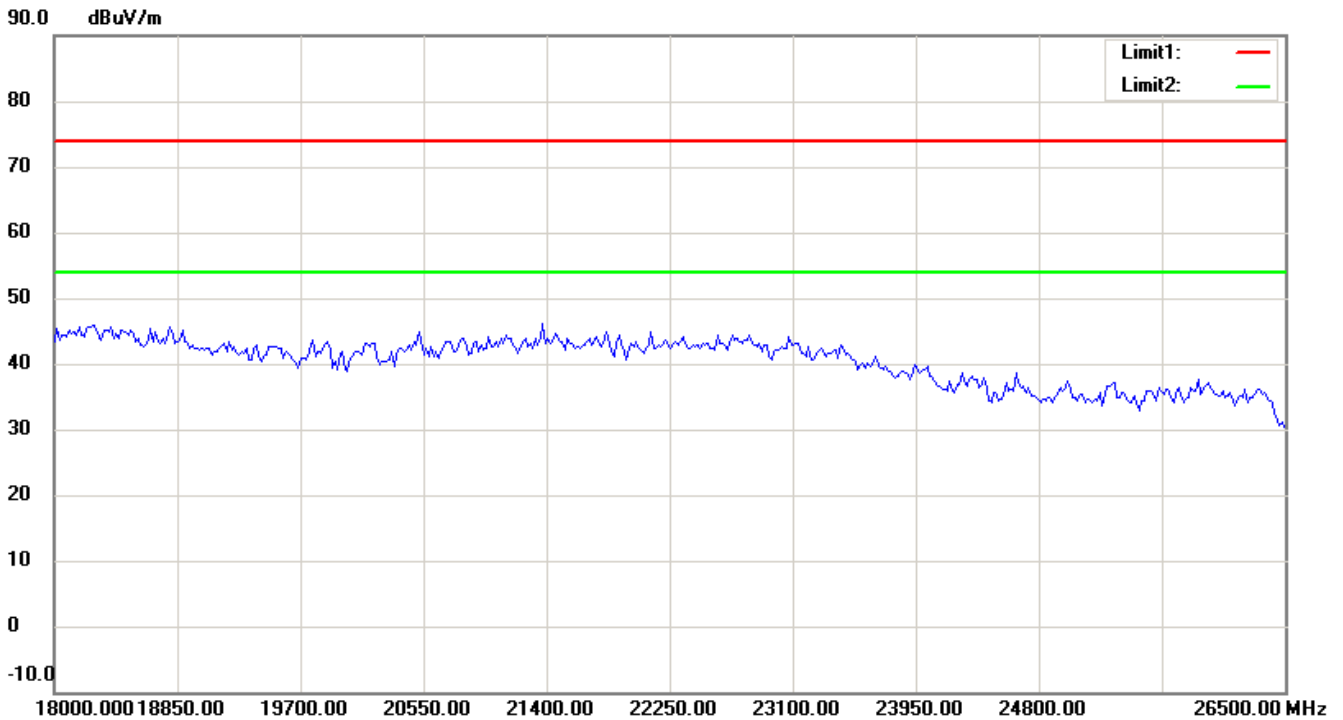
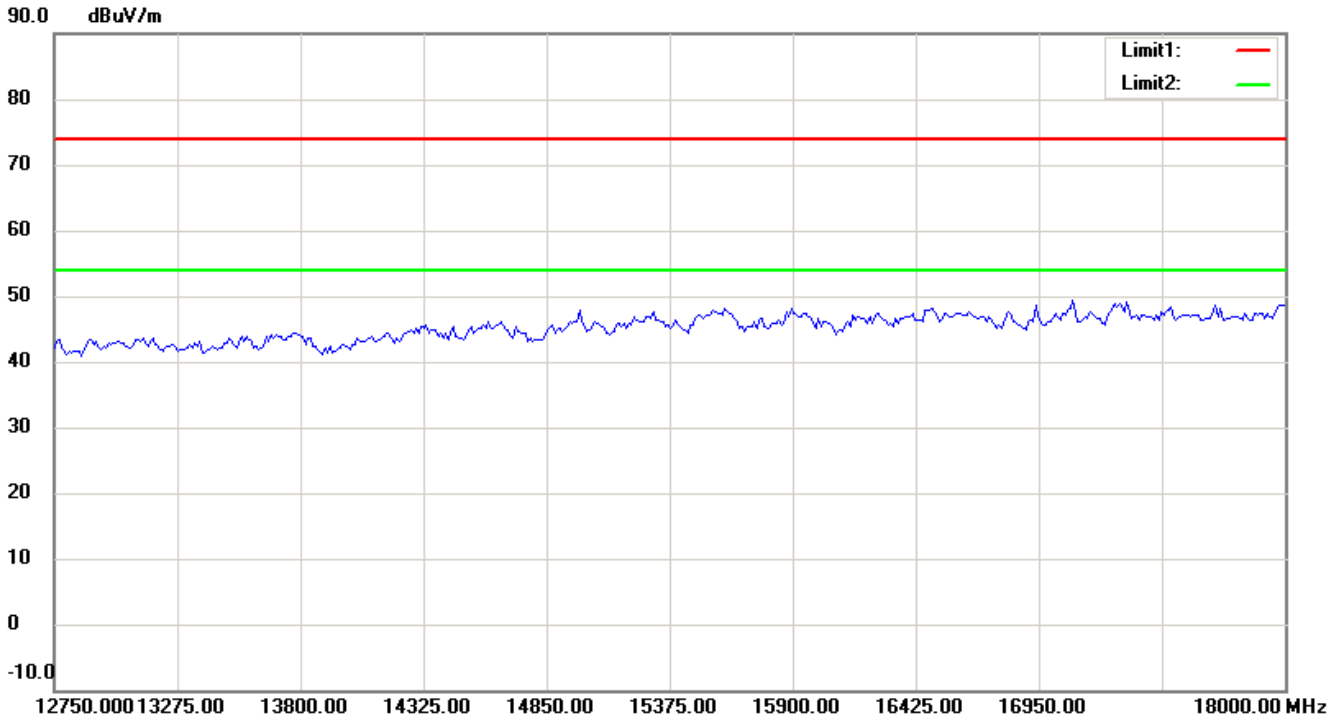
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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





# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

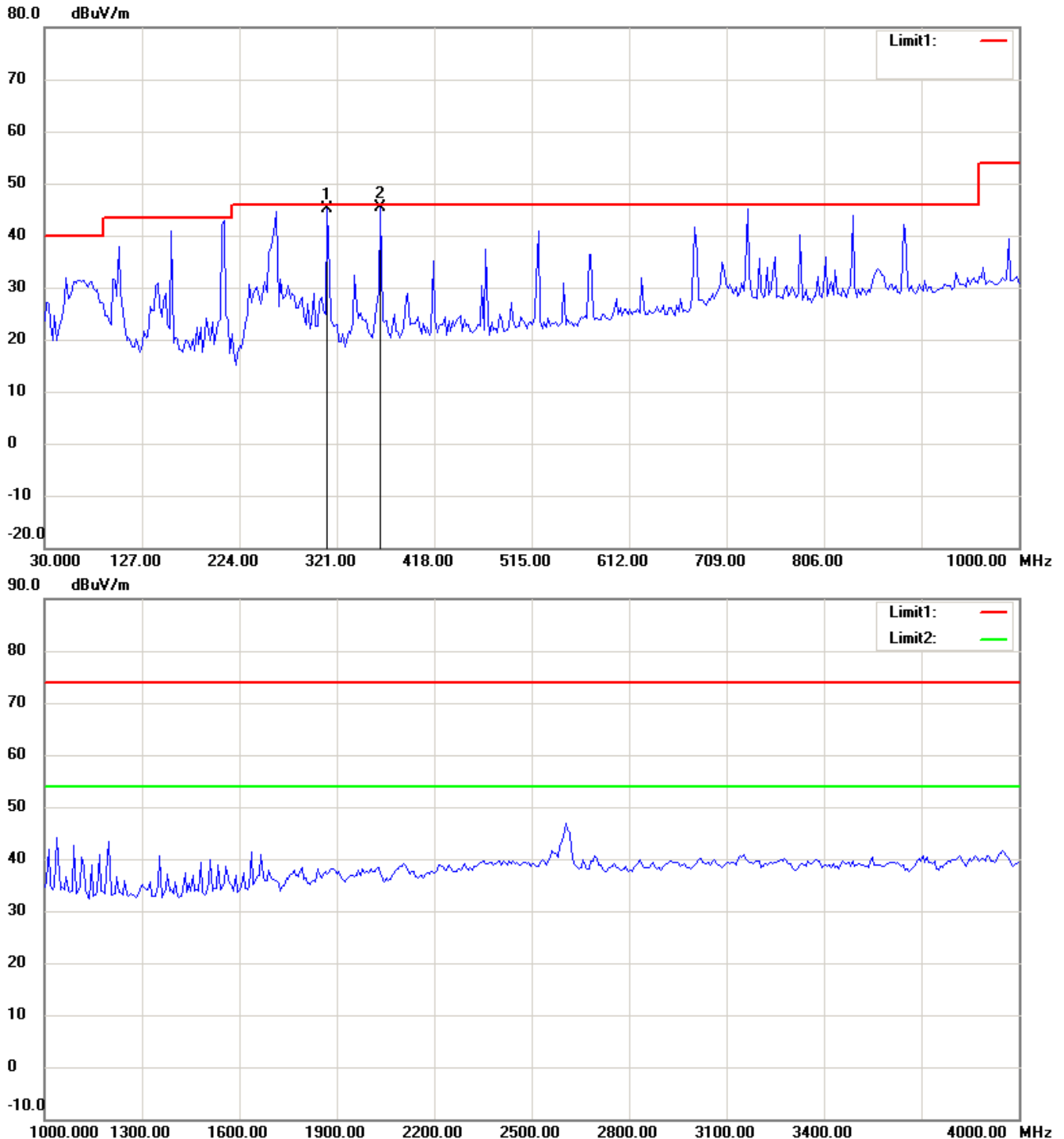
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

802.11g CH1

Antenna Polarization H



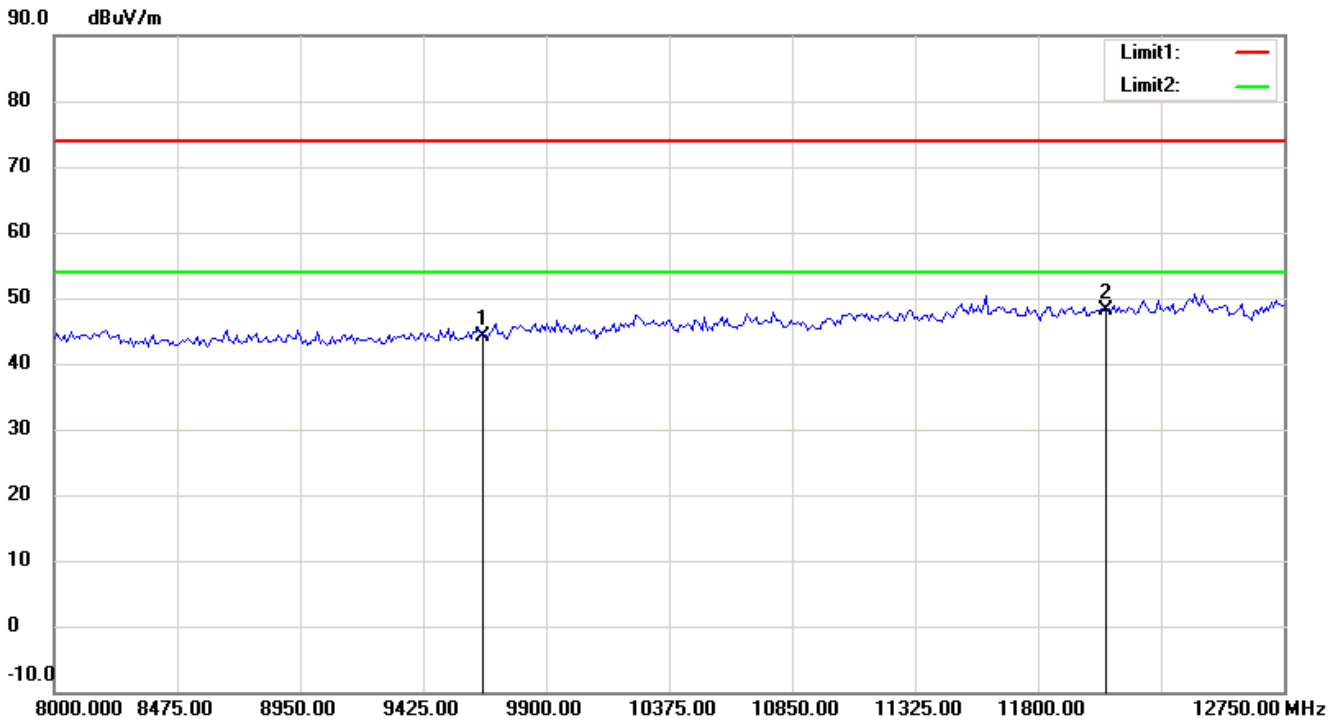
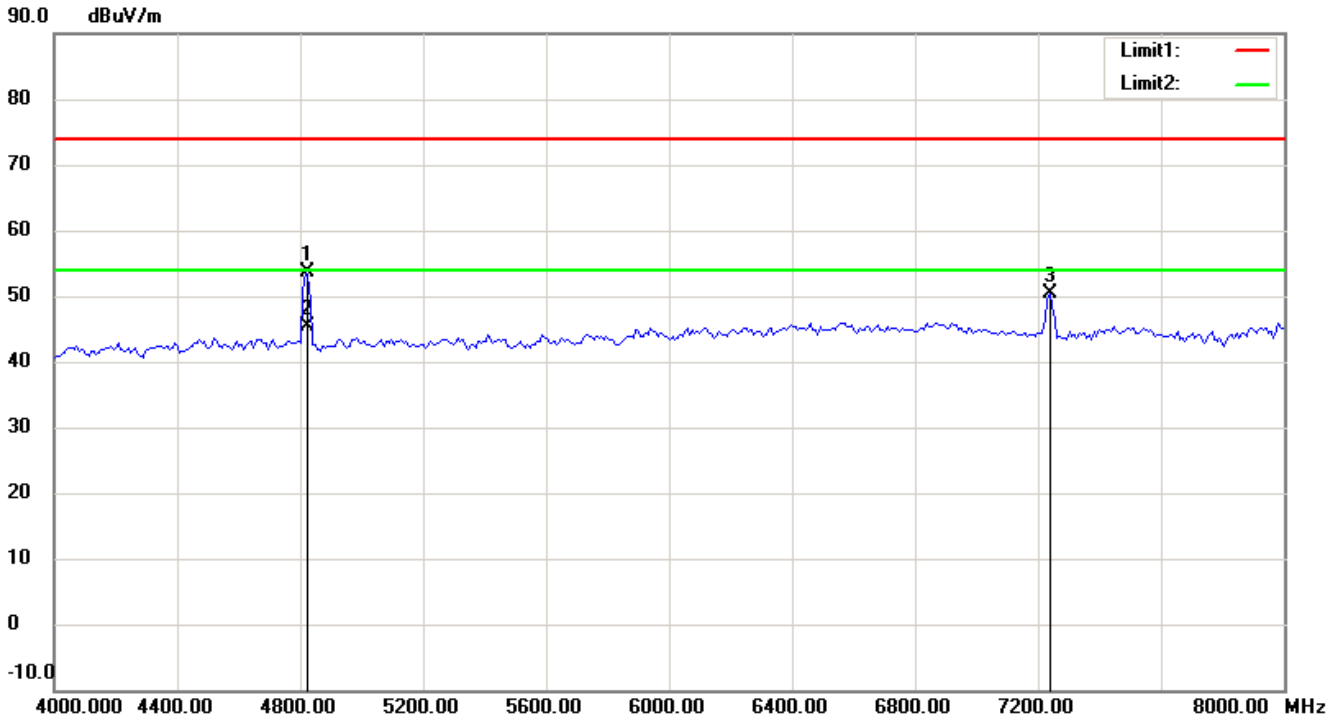
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

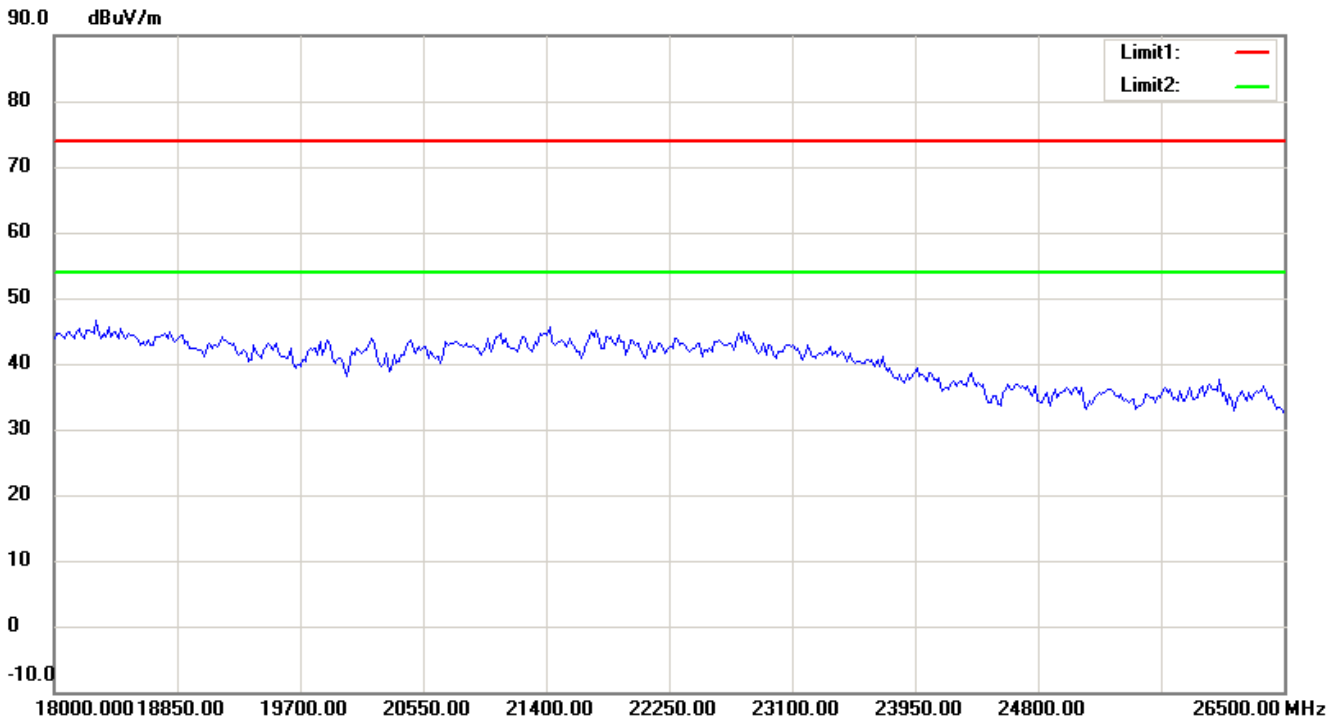
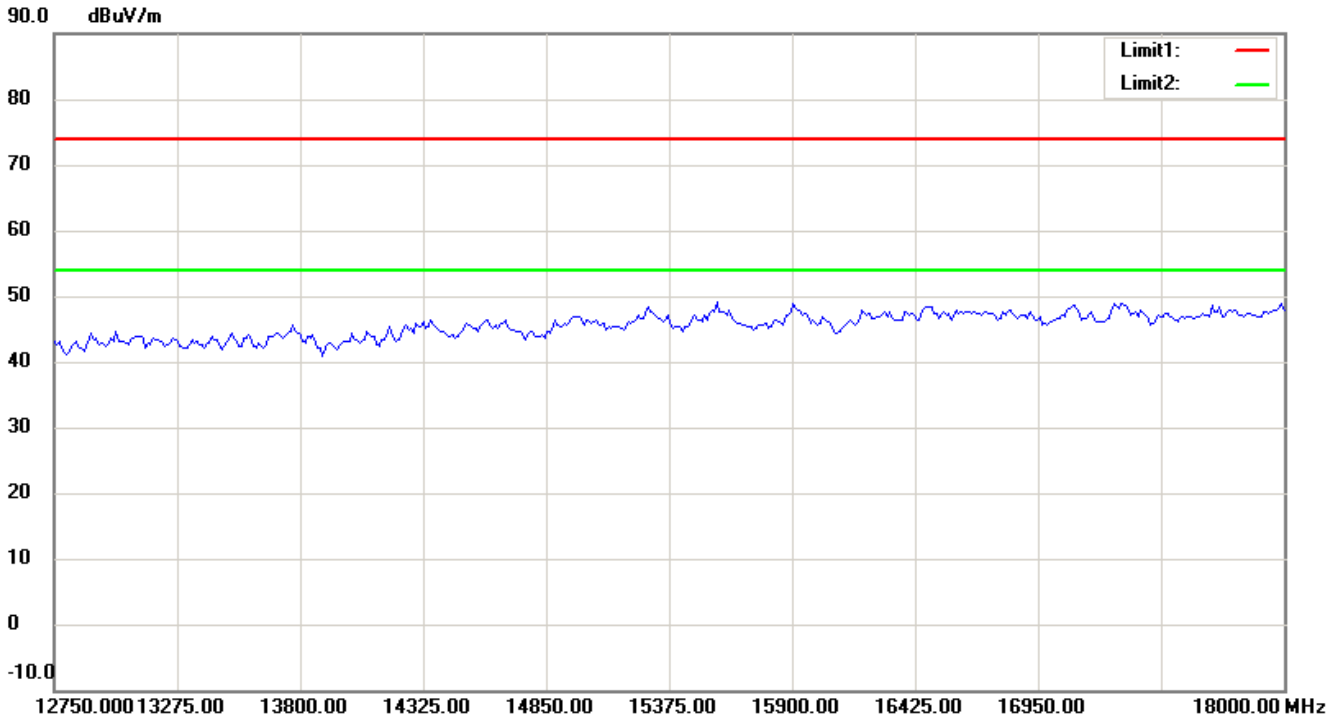
Note:

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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# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

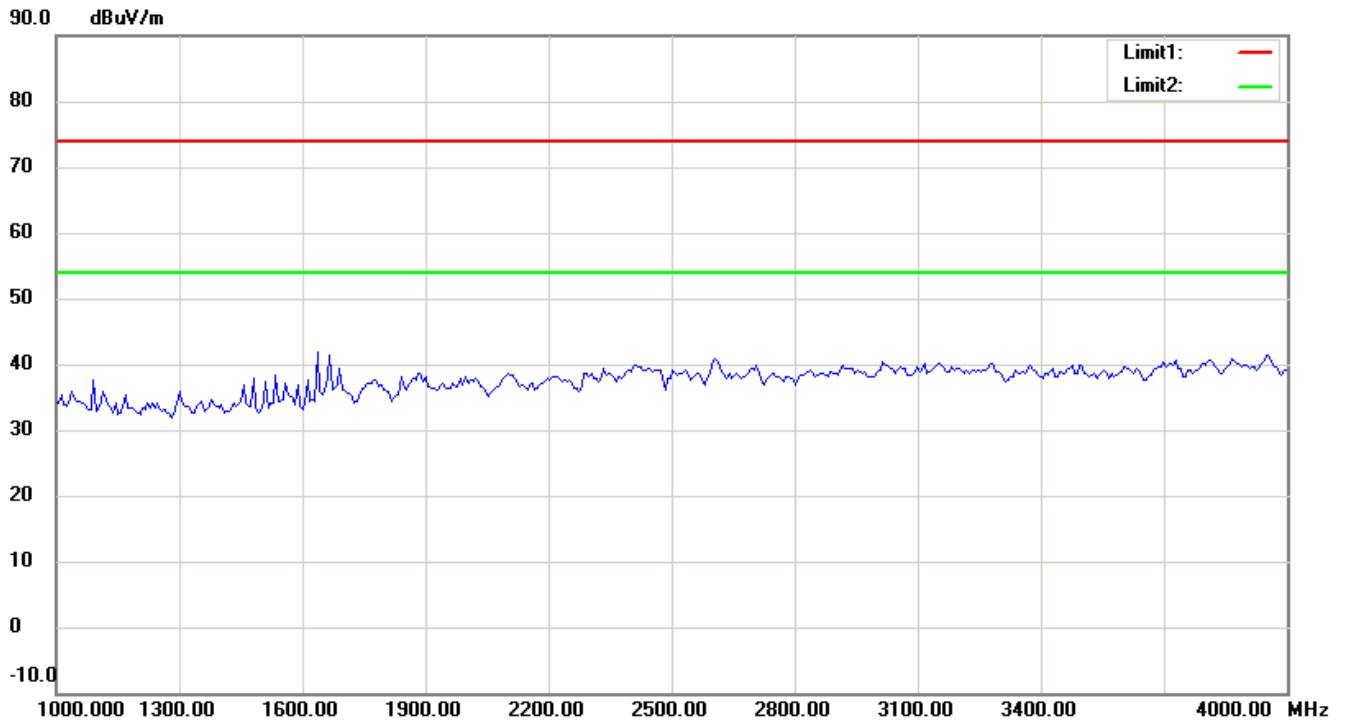
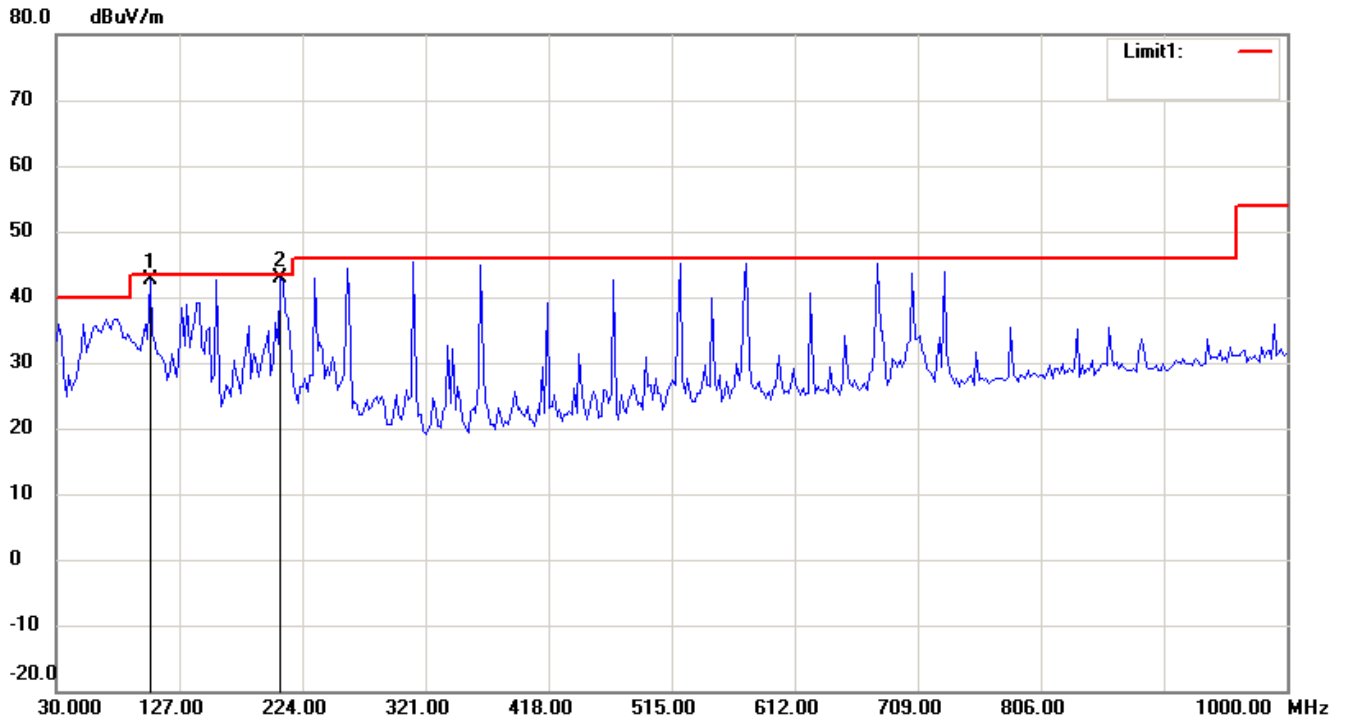
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



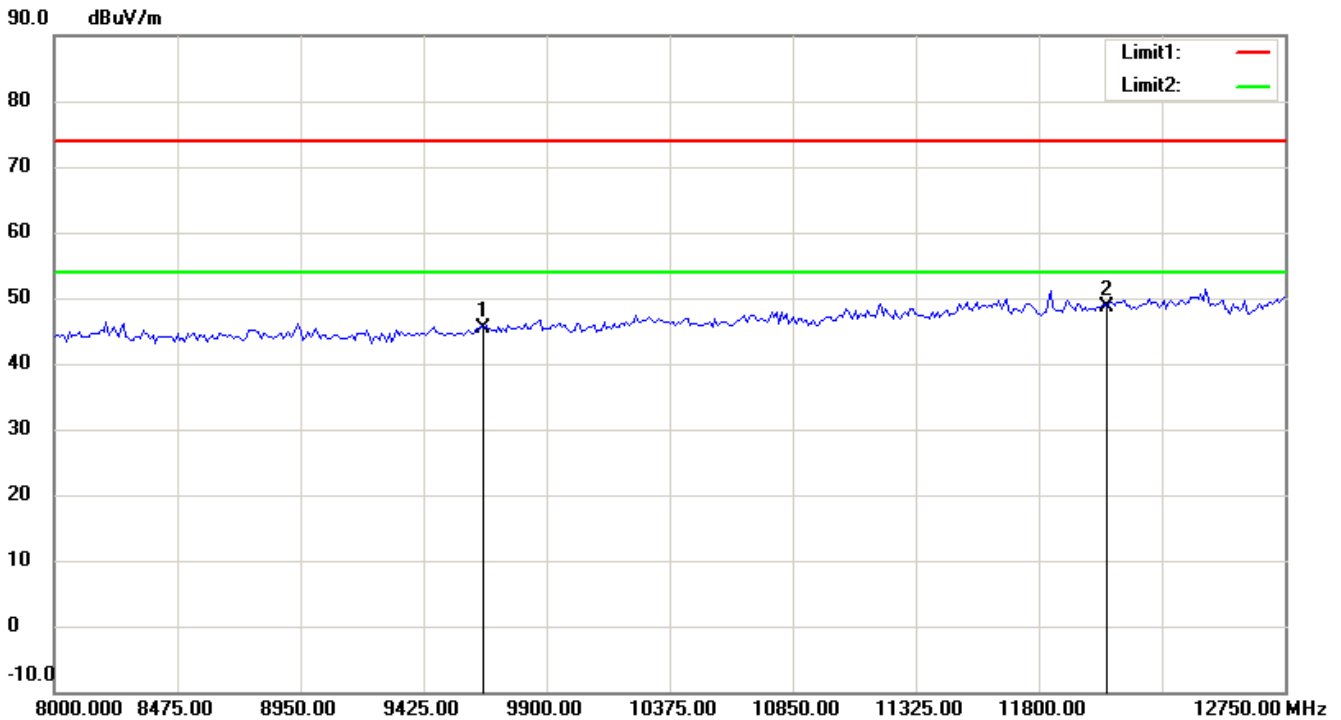
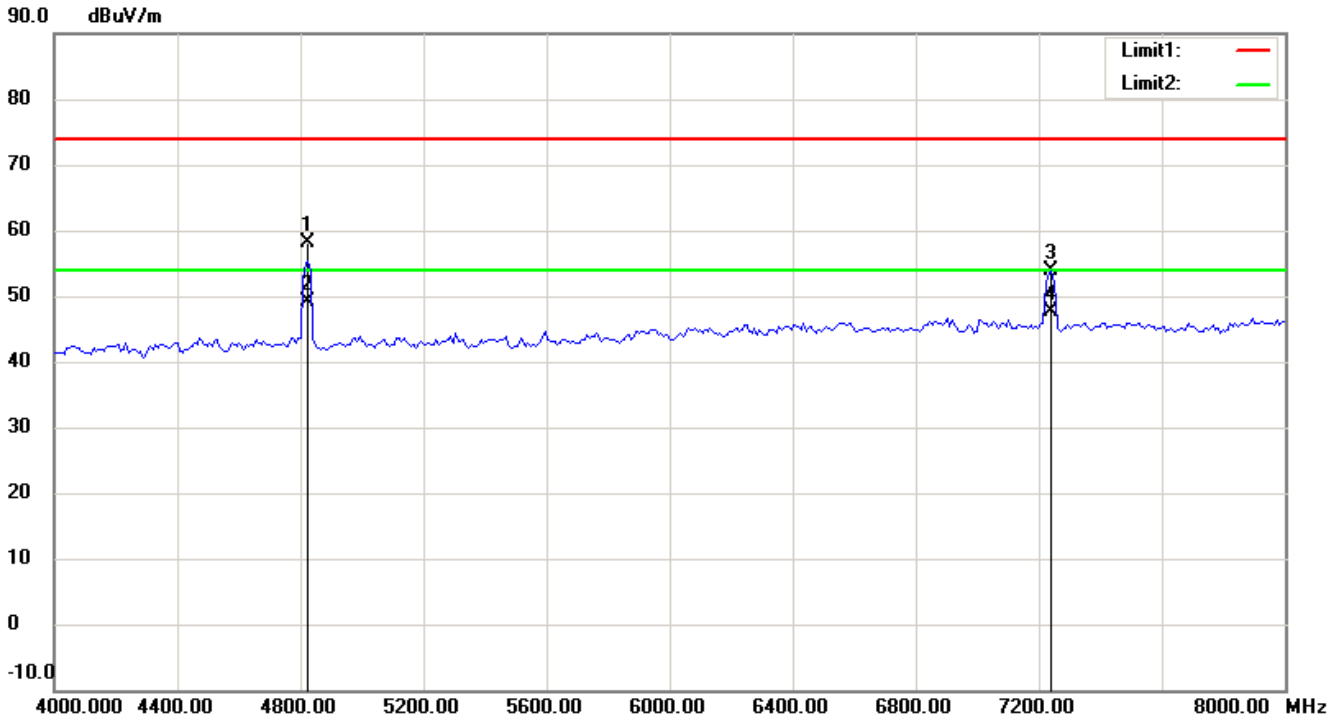
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

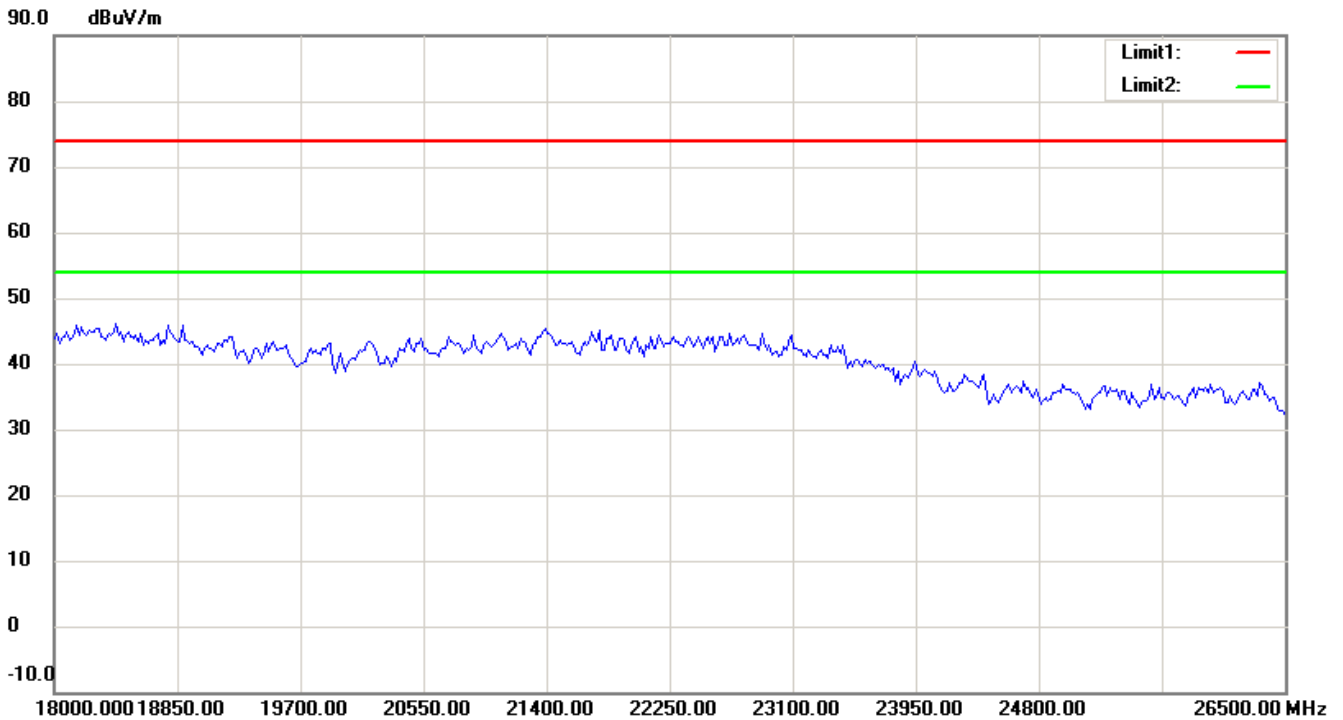
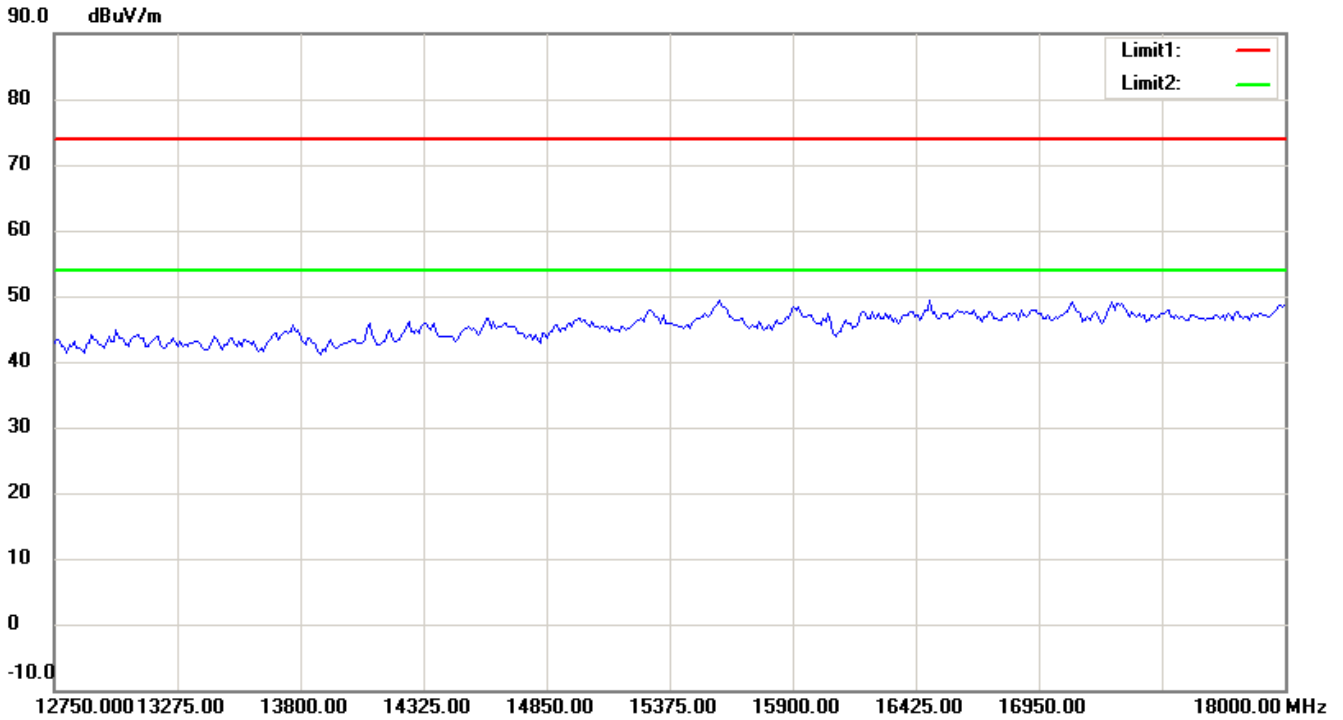
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

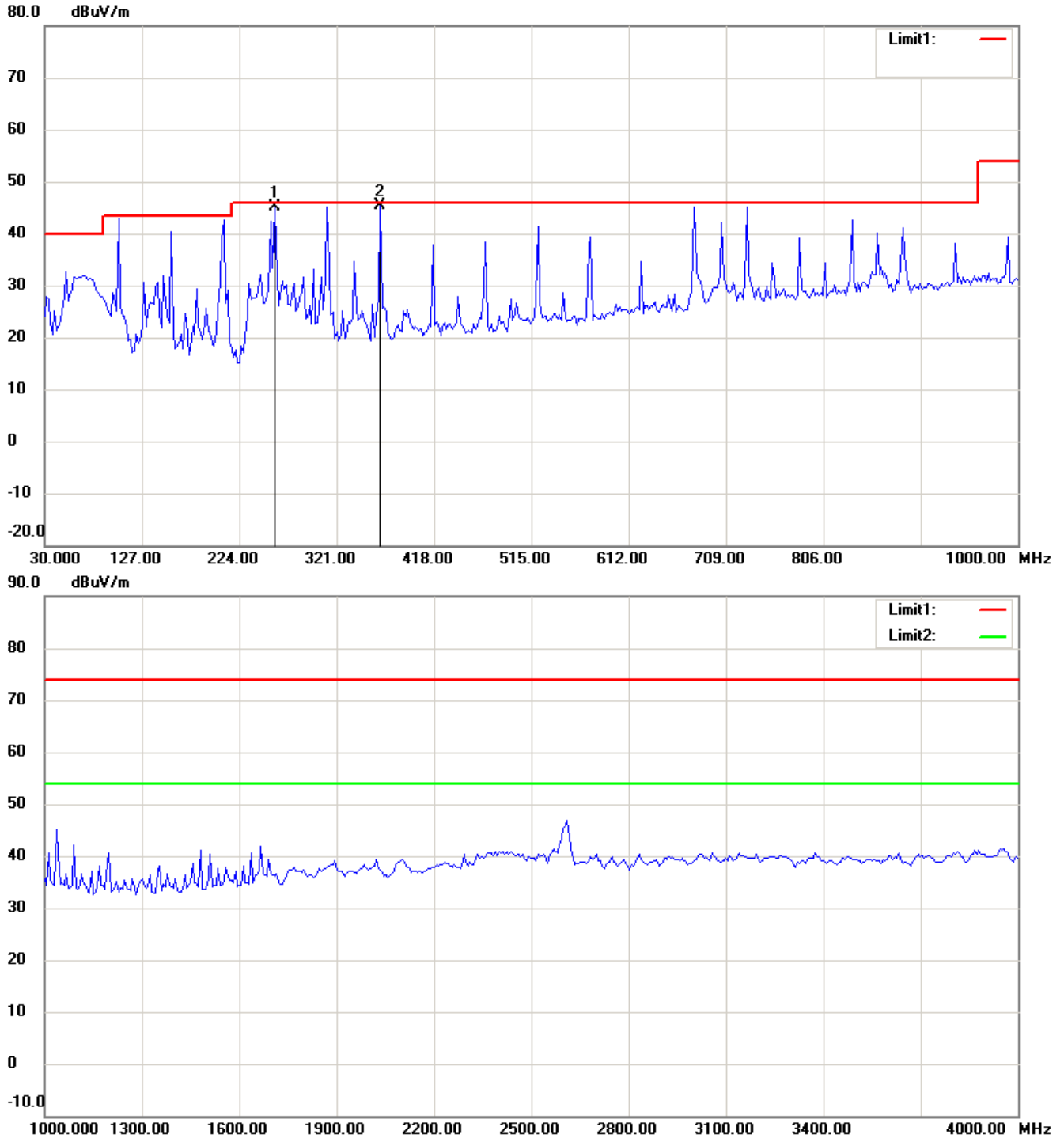
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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



Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11g CH6

### Antenna Polarization H



Up Line: Peak Limit Line Down Line: Ave Limit Line

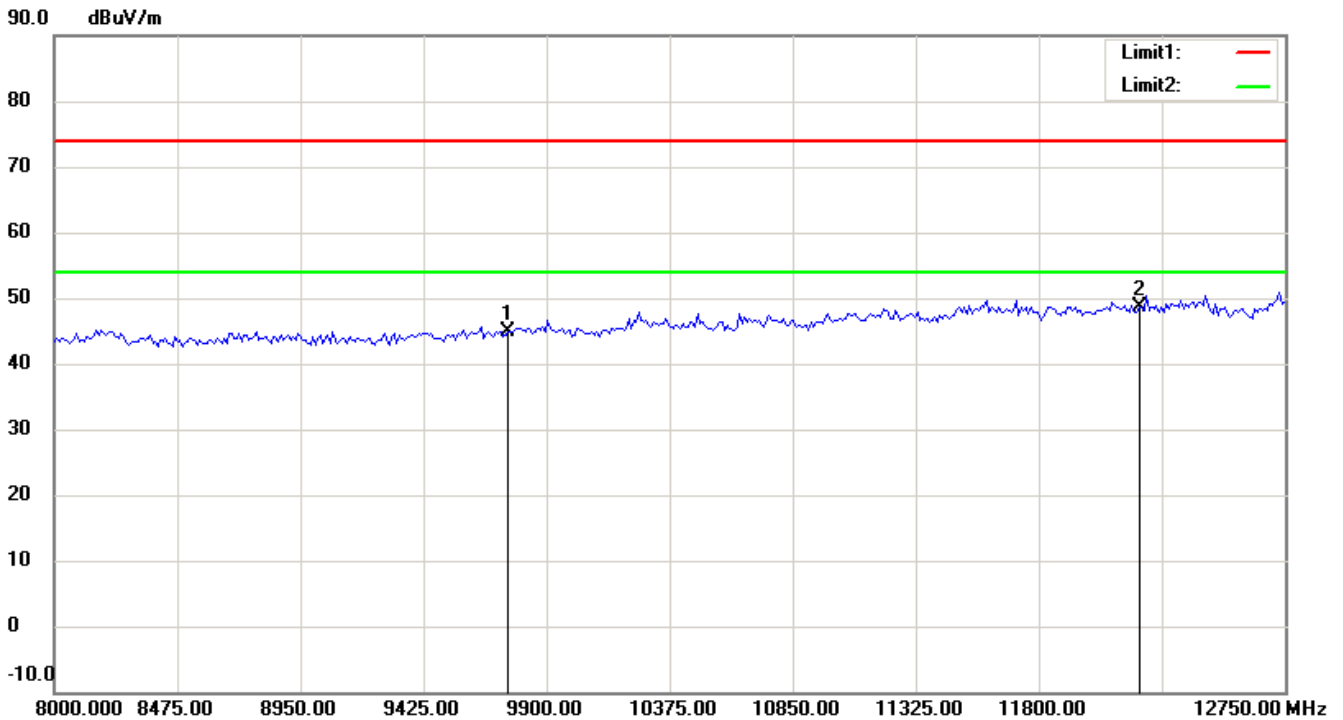
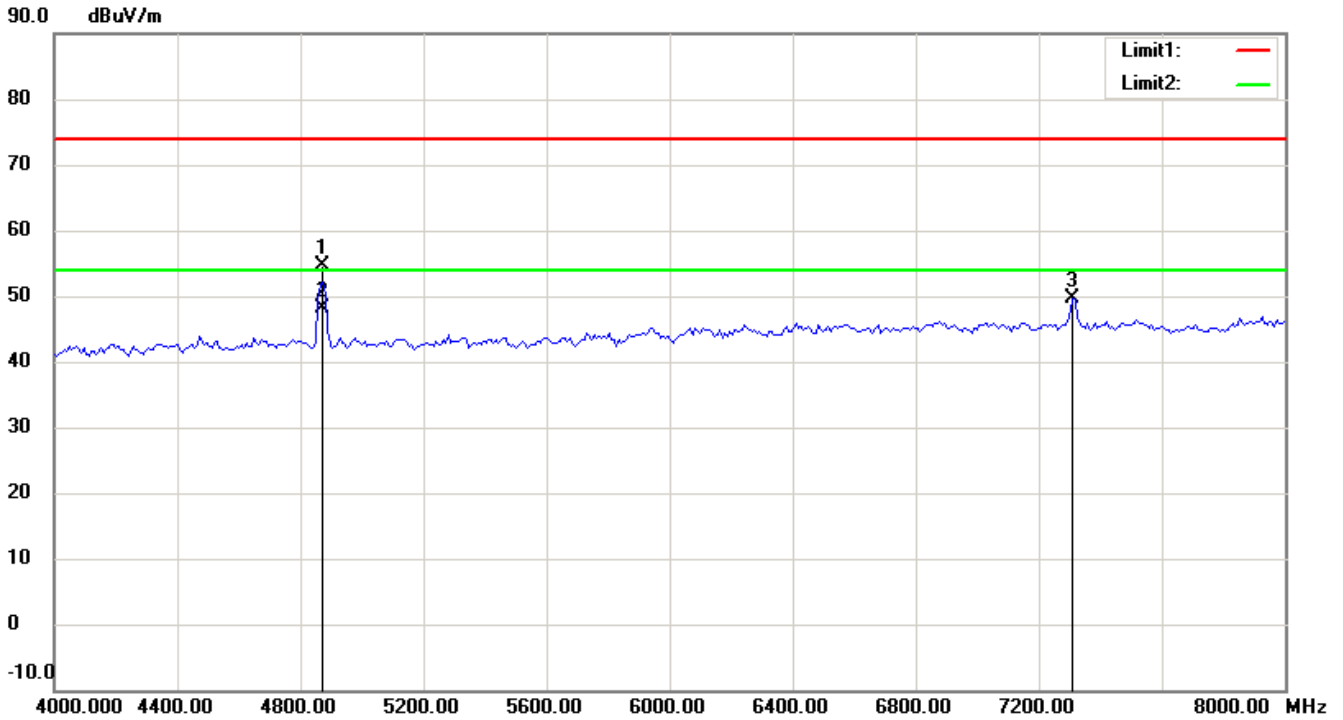
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

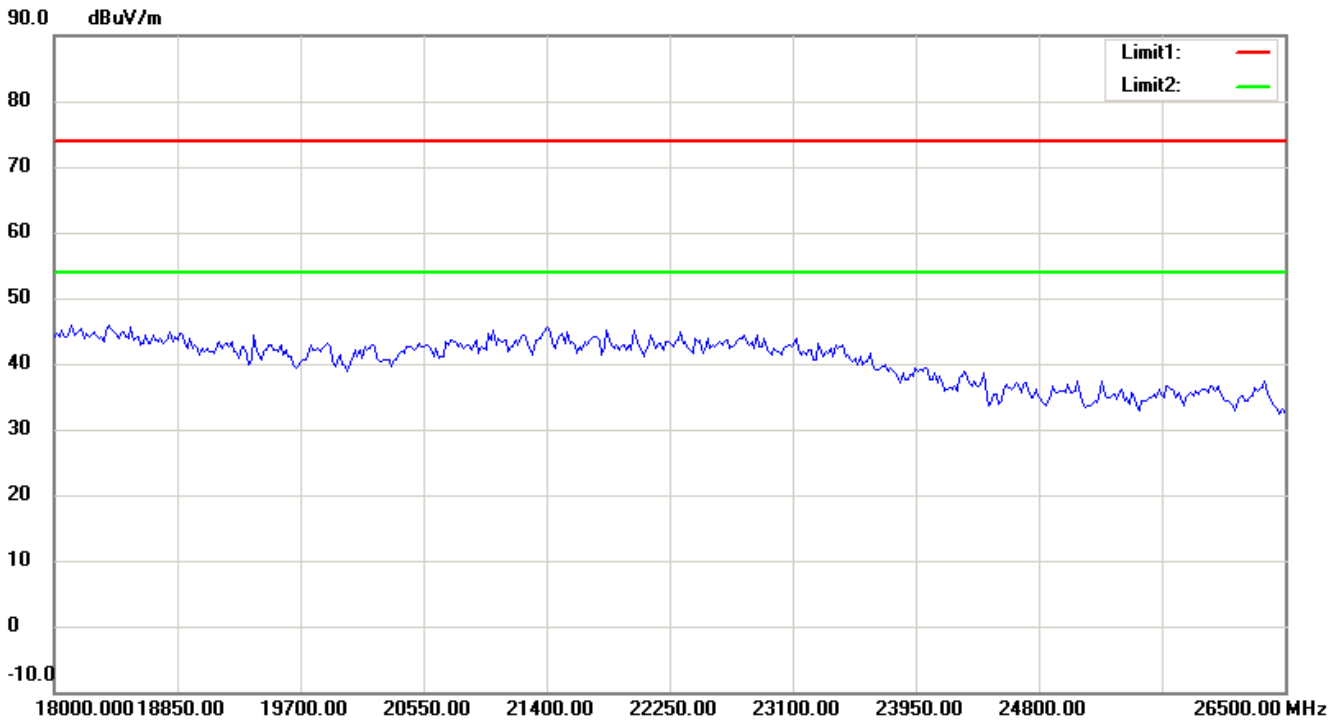
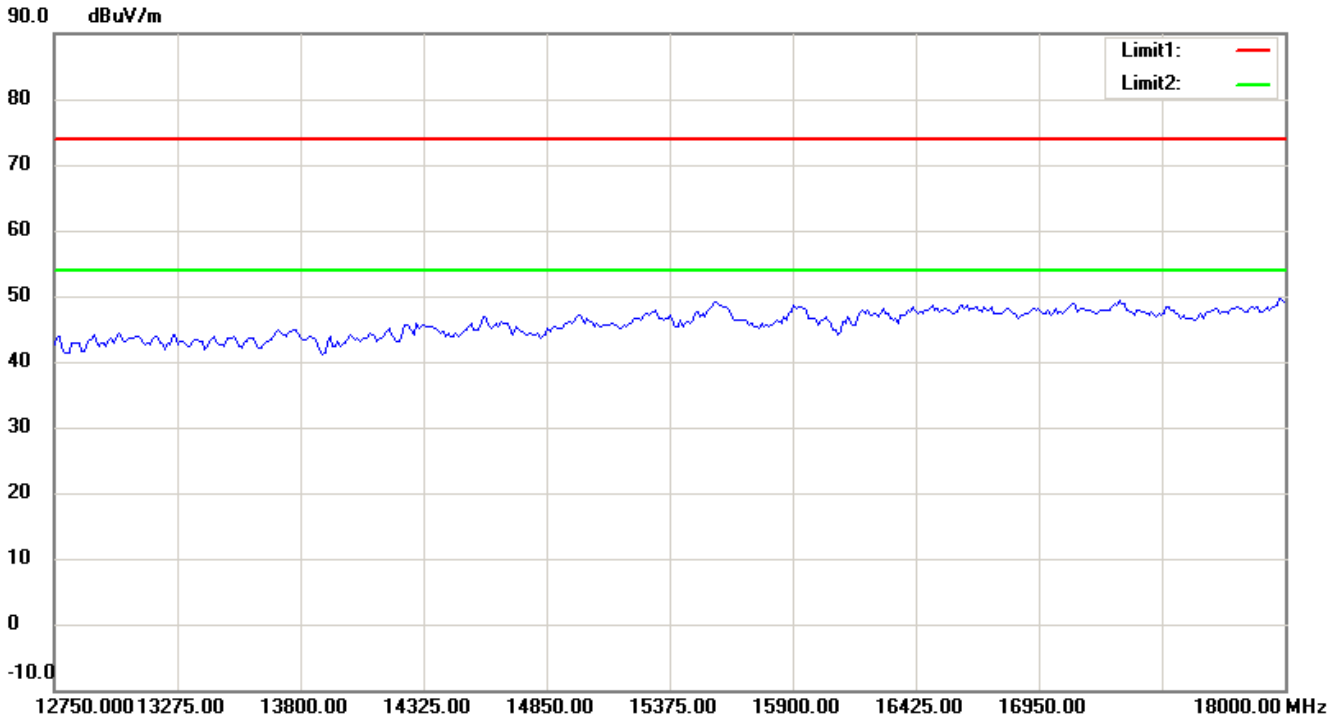
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

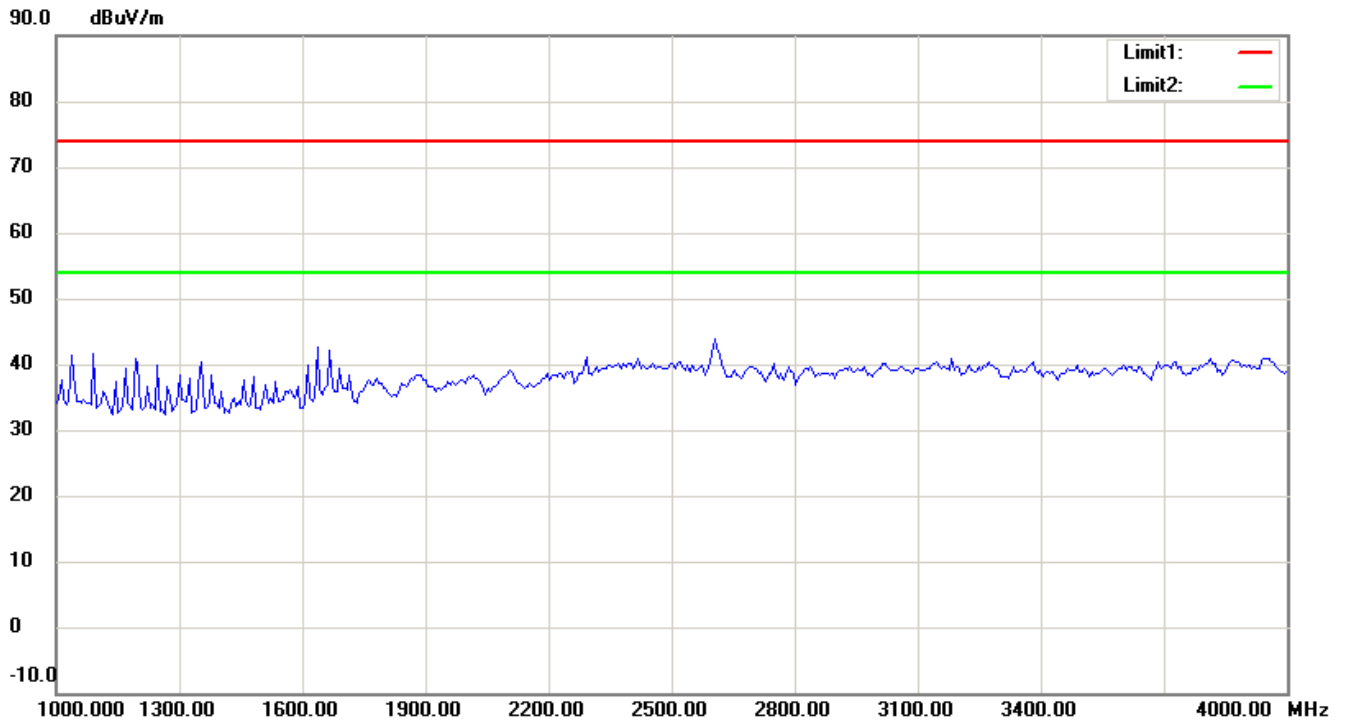
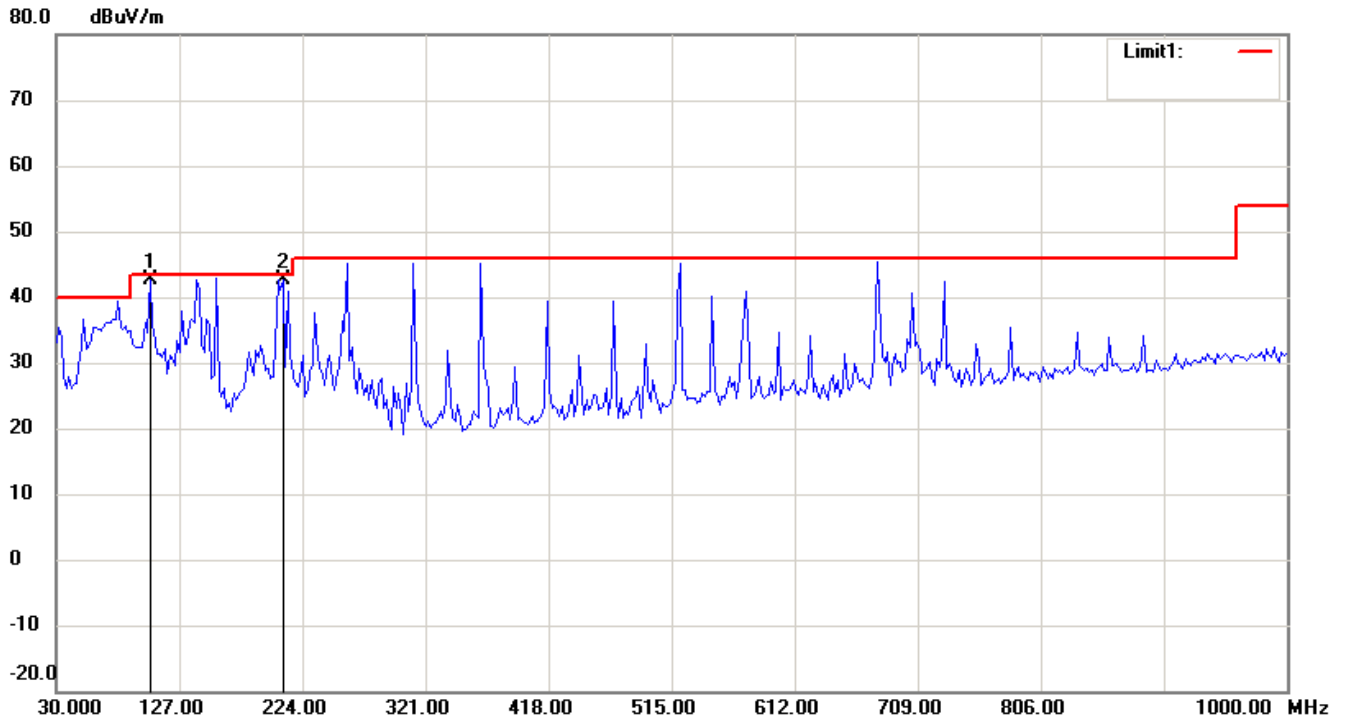
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



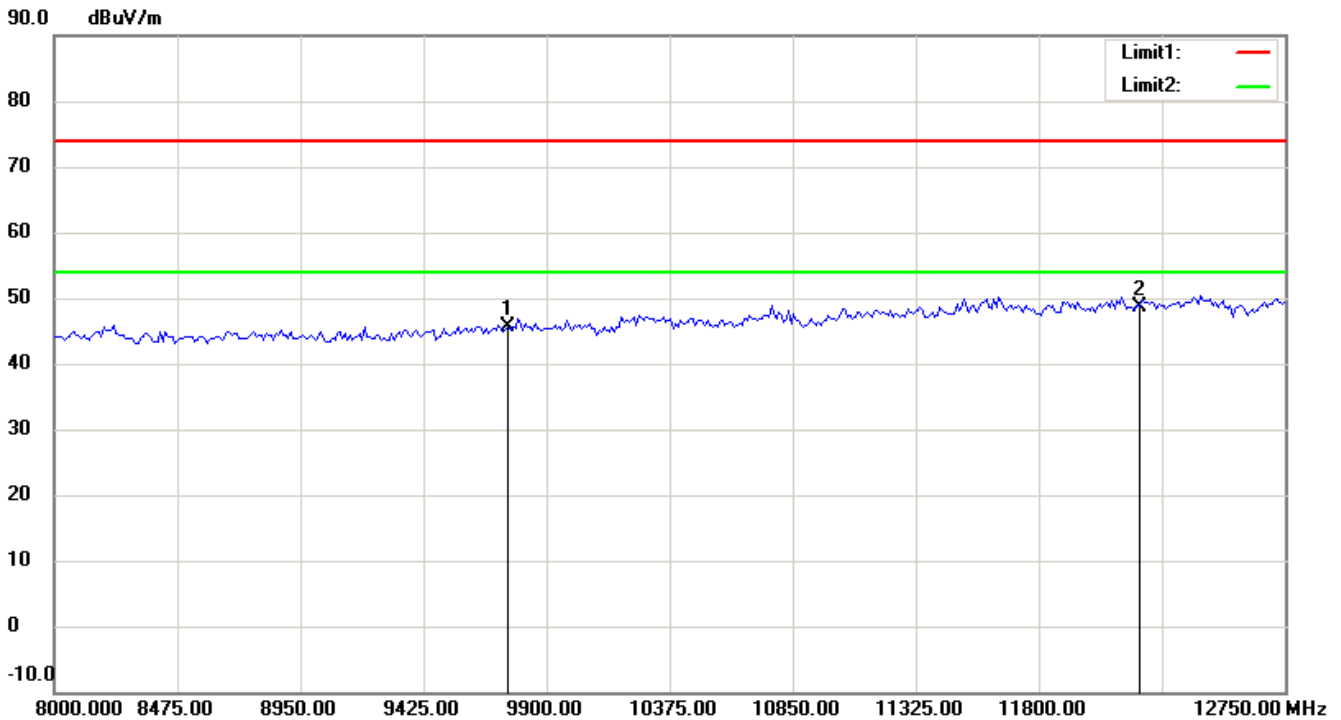
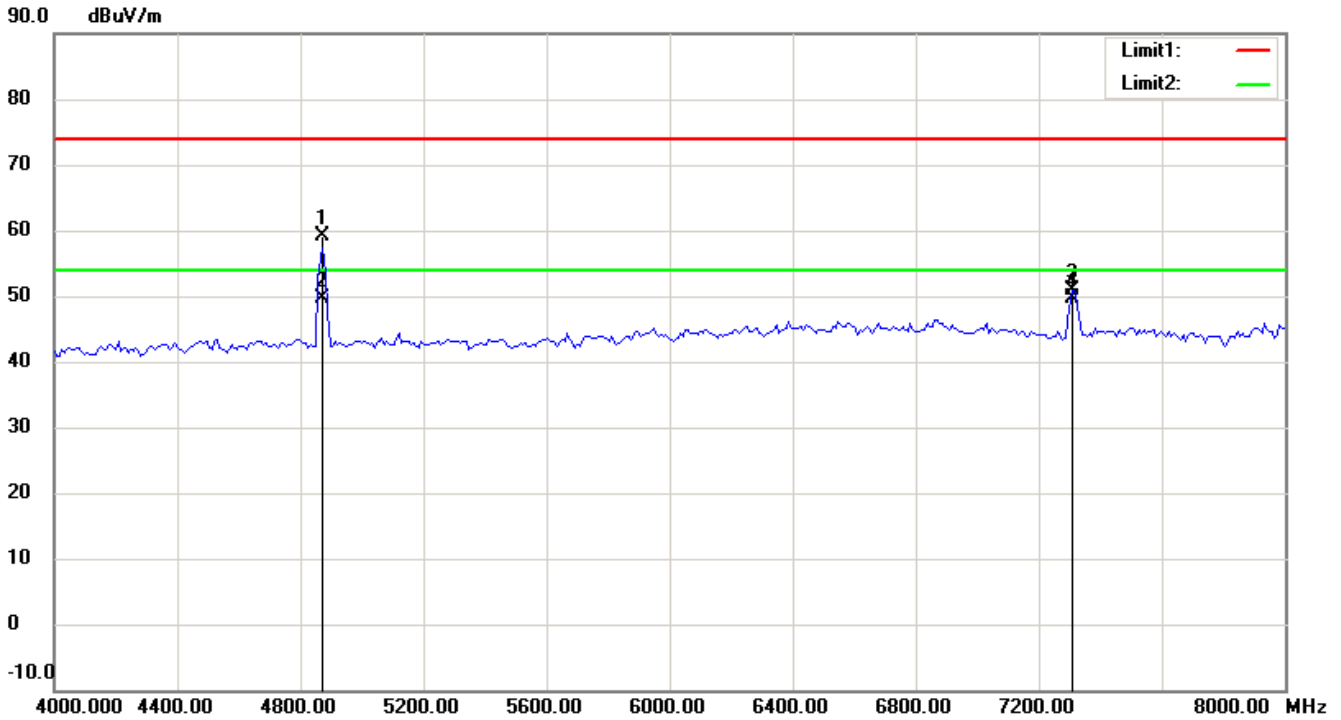
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

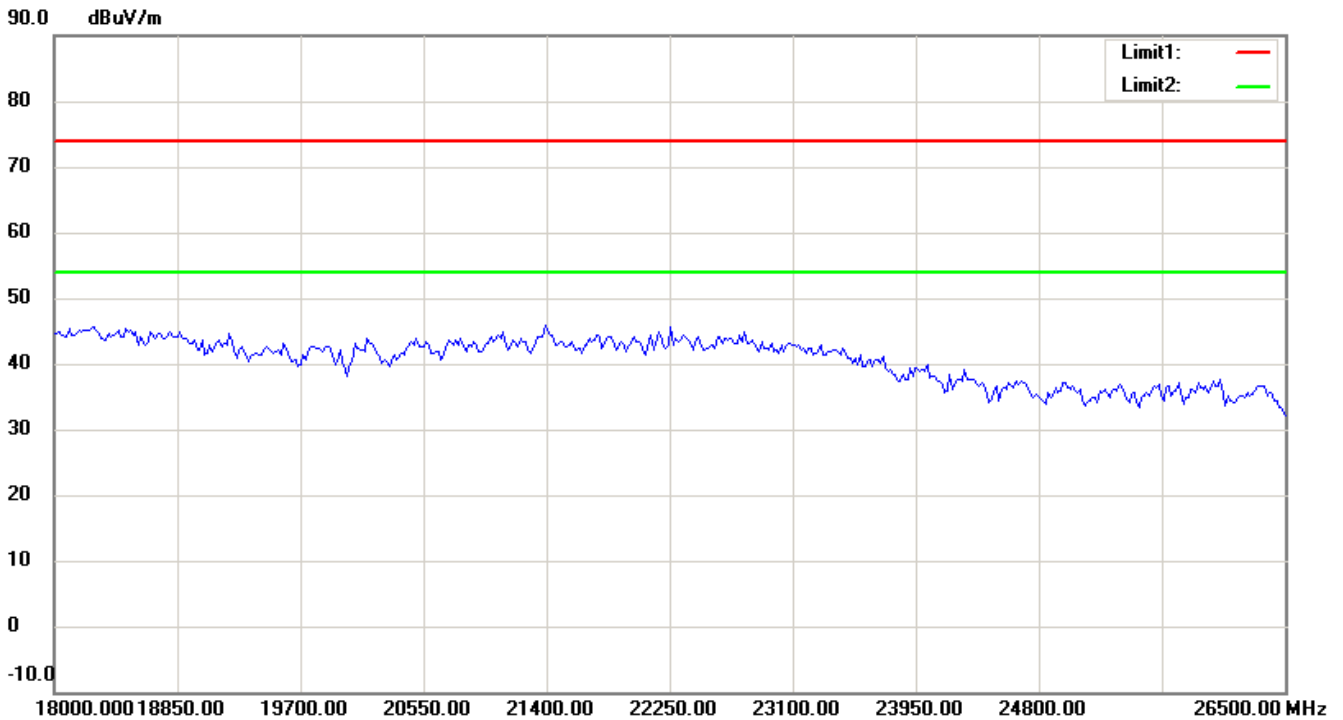
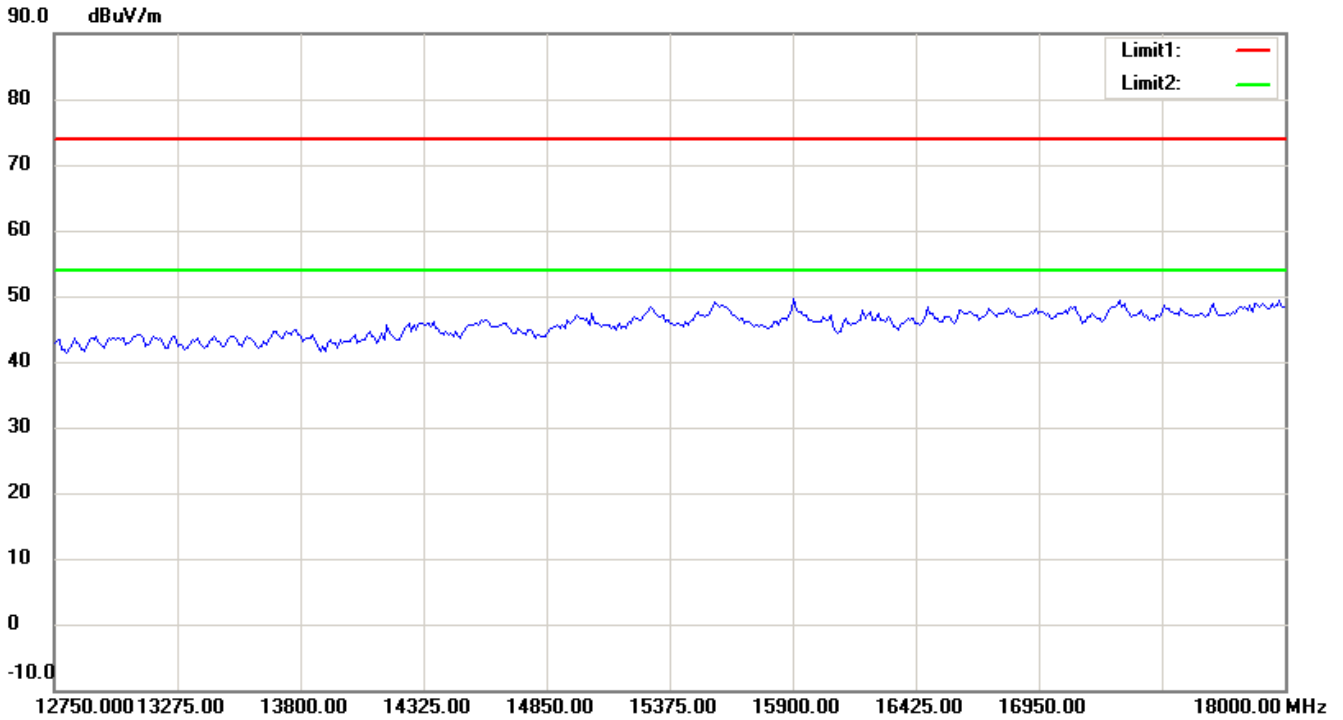
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11g CH11

### Antenna Polarization H



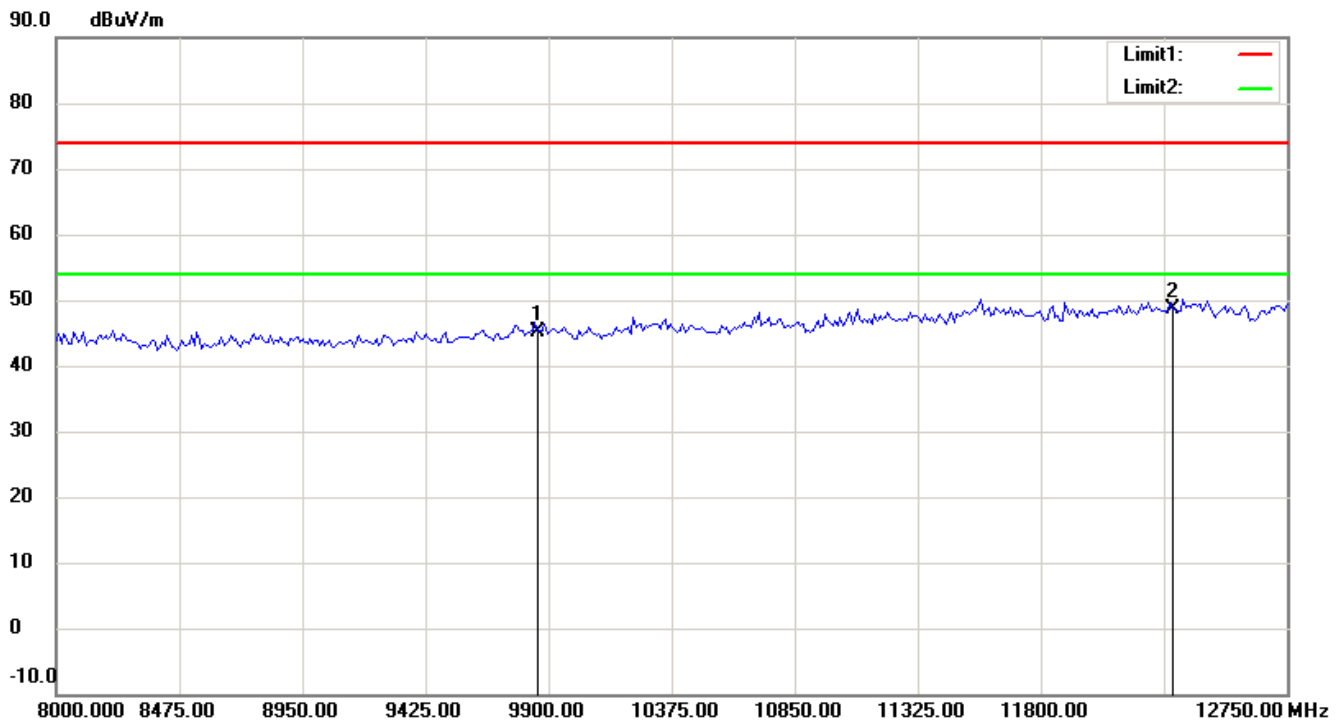
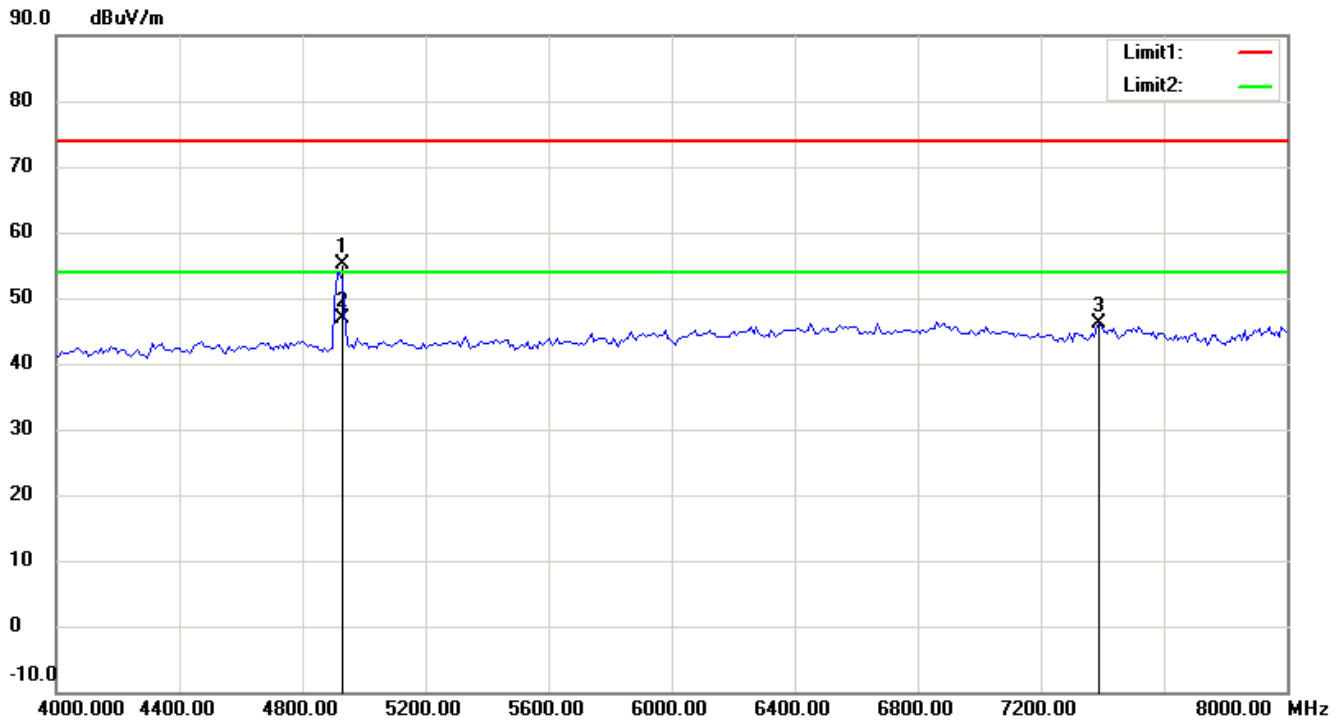
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

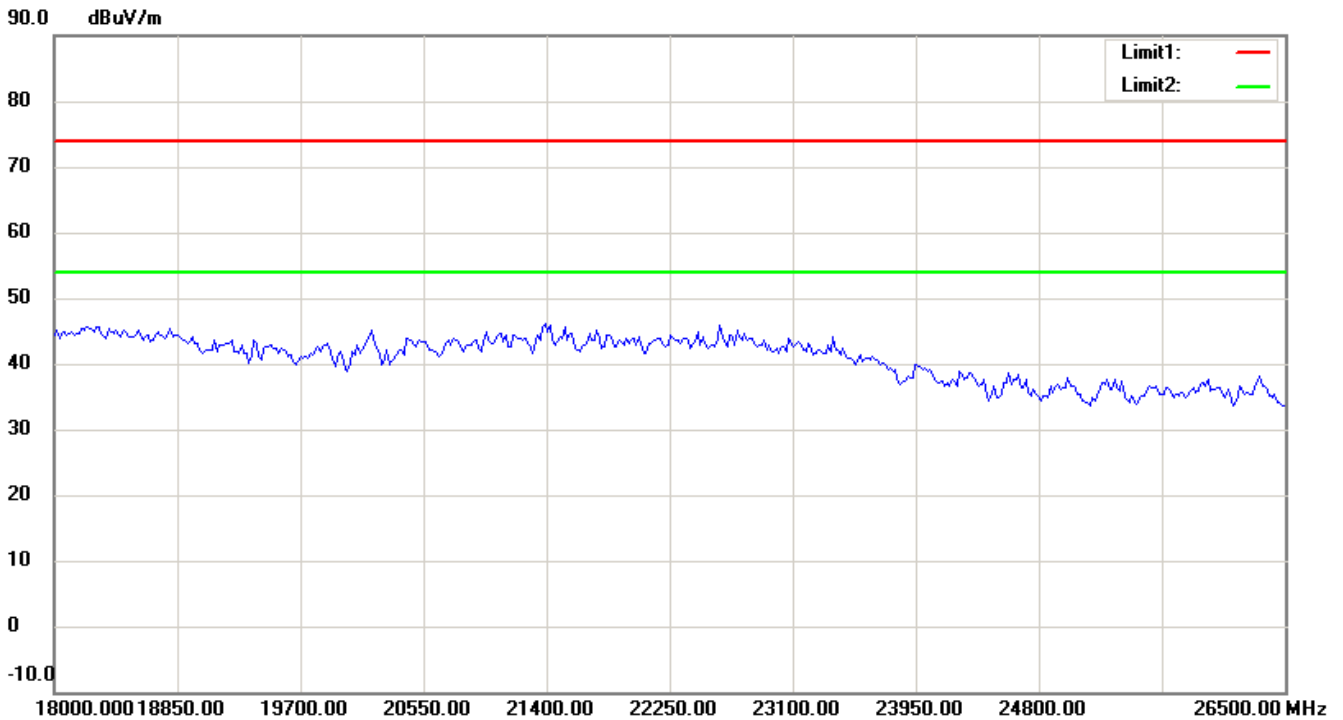
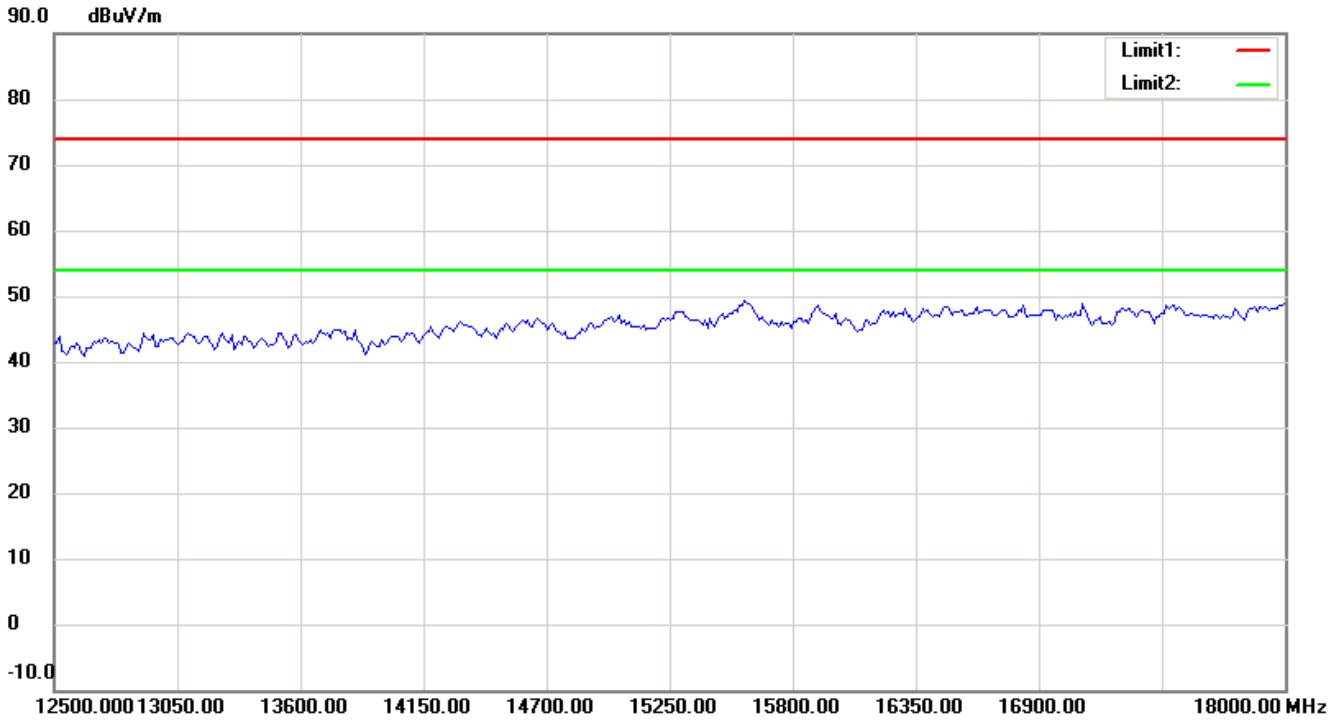
Note:

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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# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

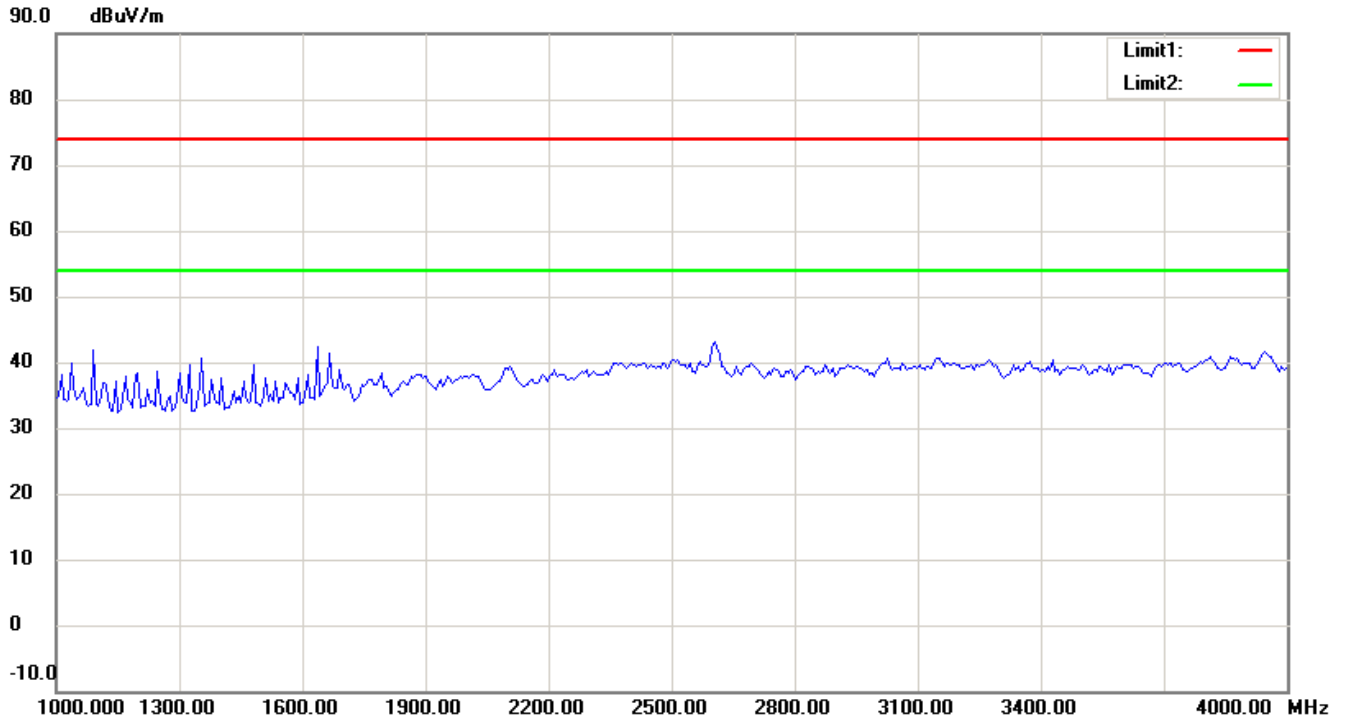
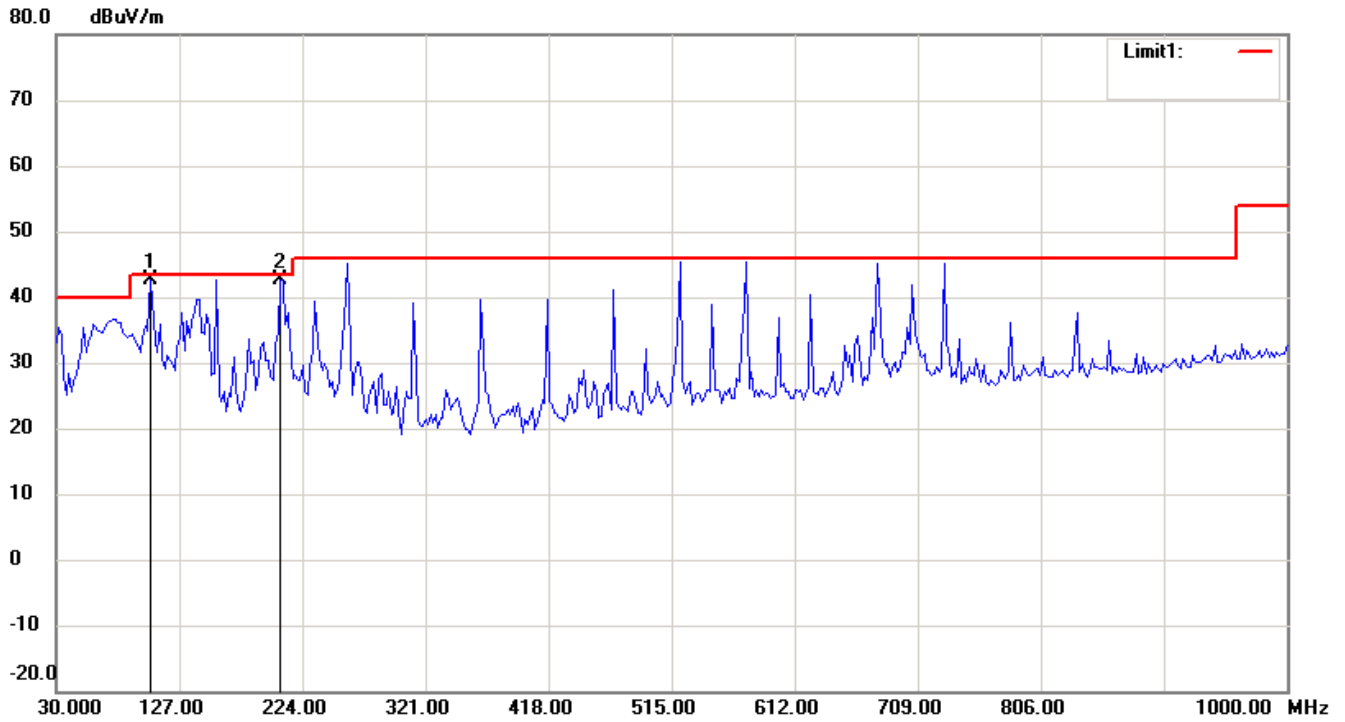
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
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Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



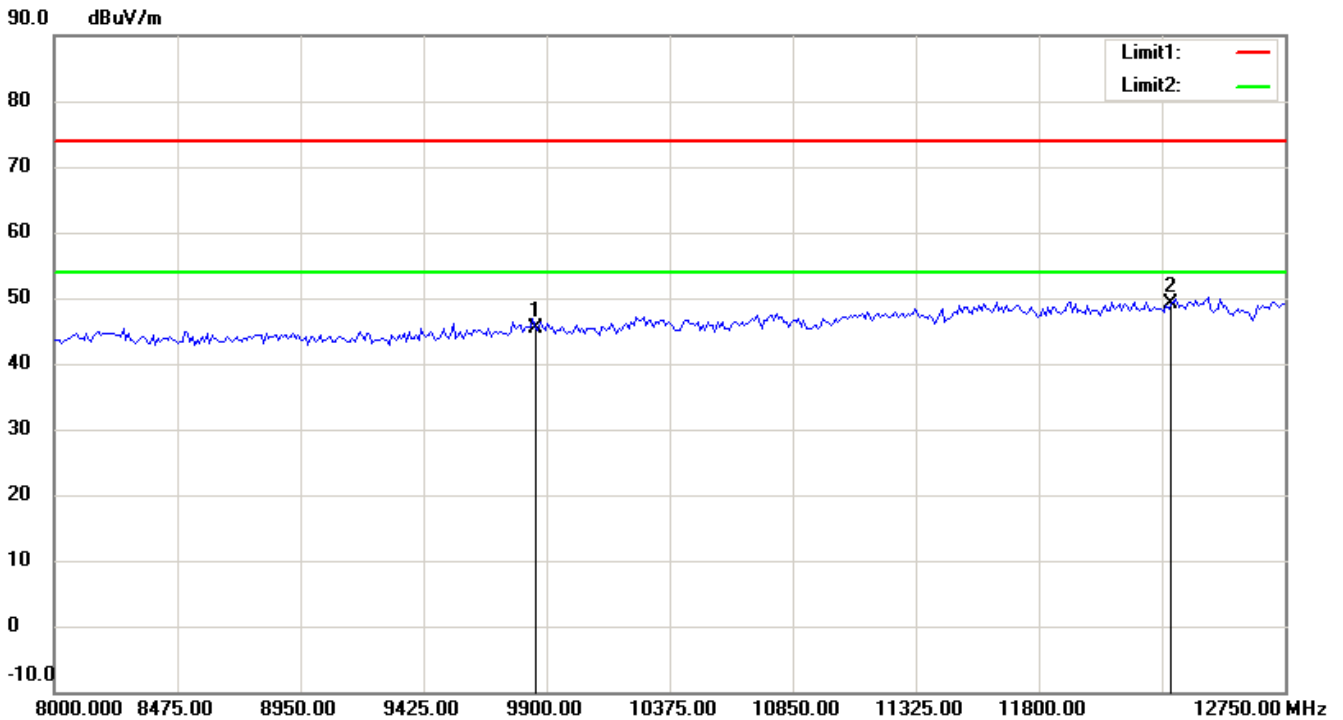
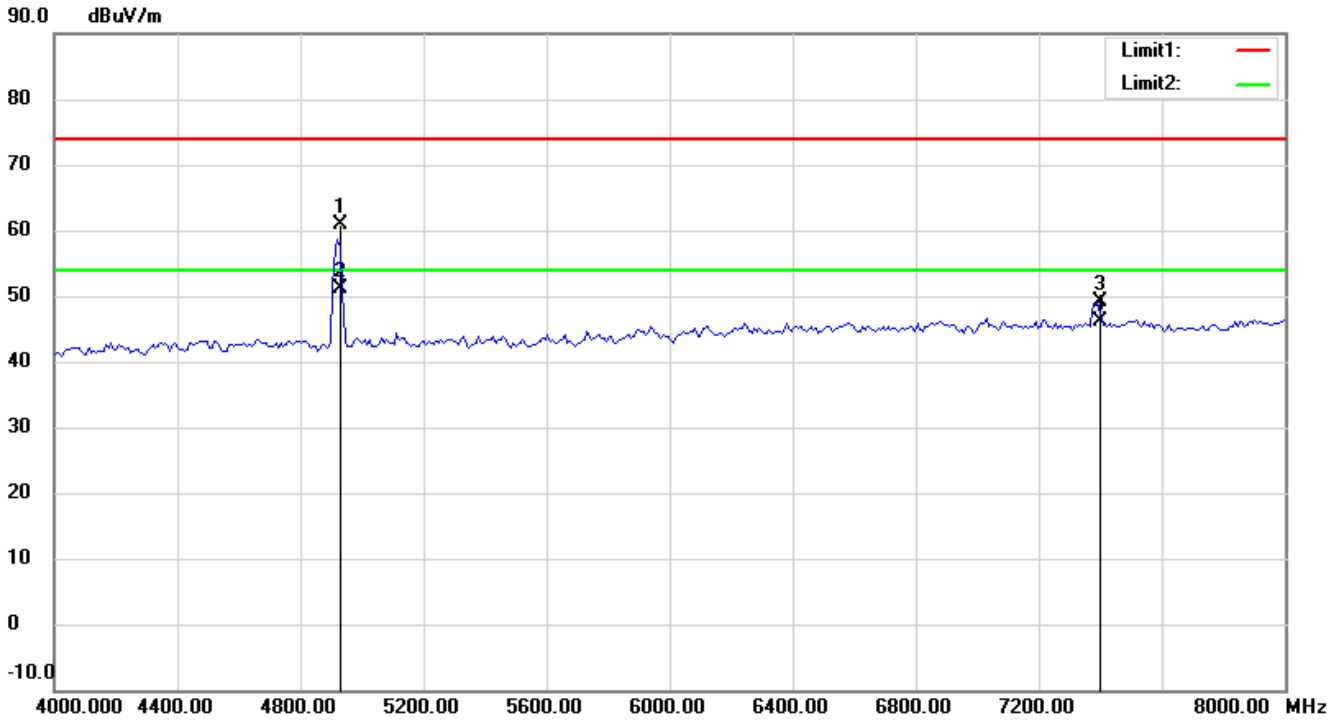
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

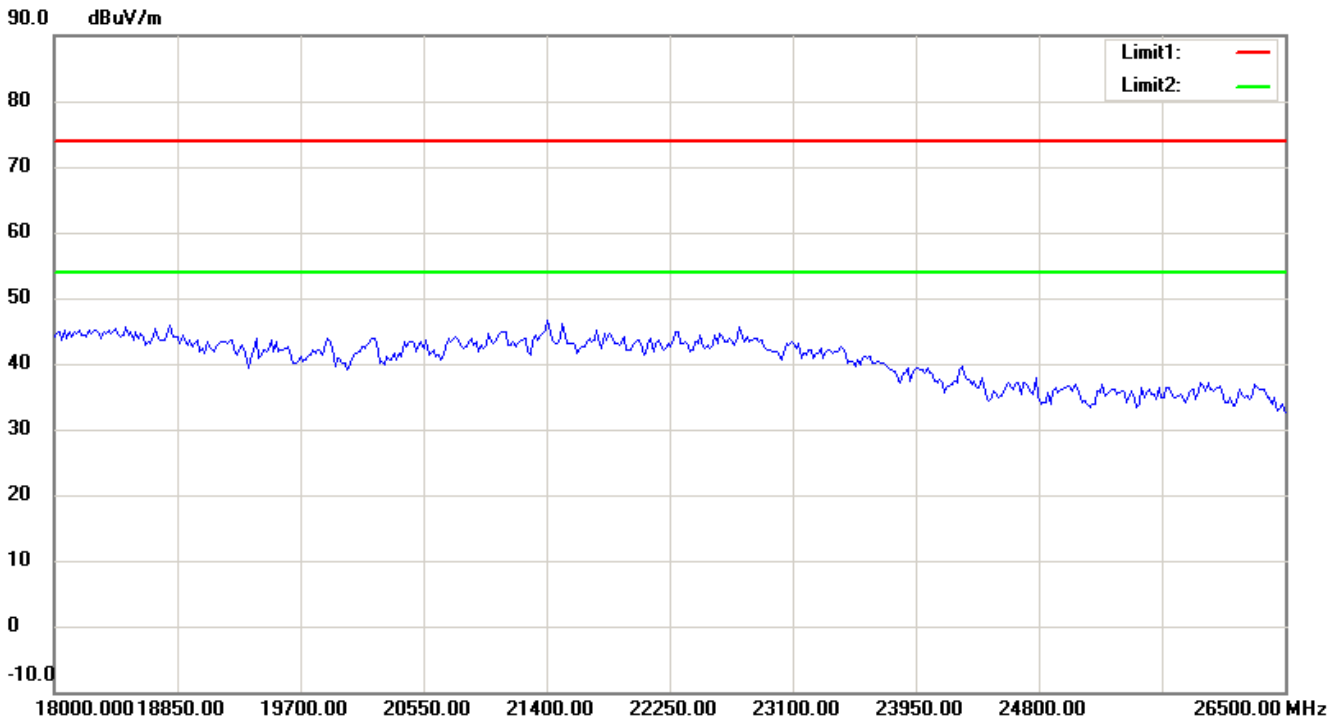
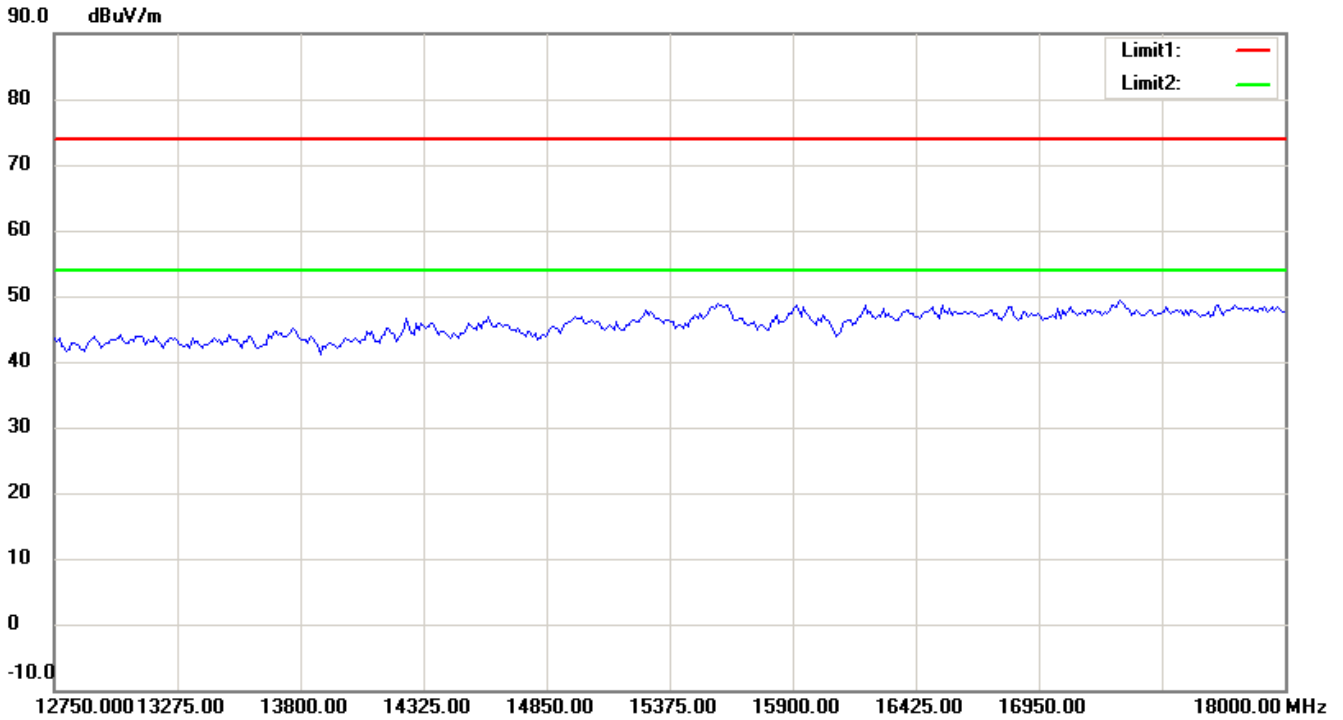
Note:

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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# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

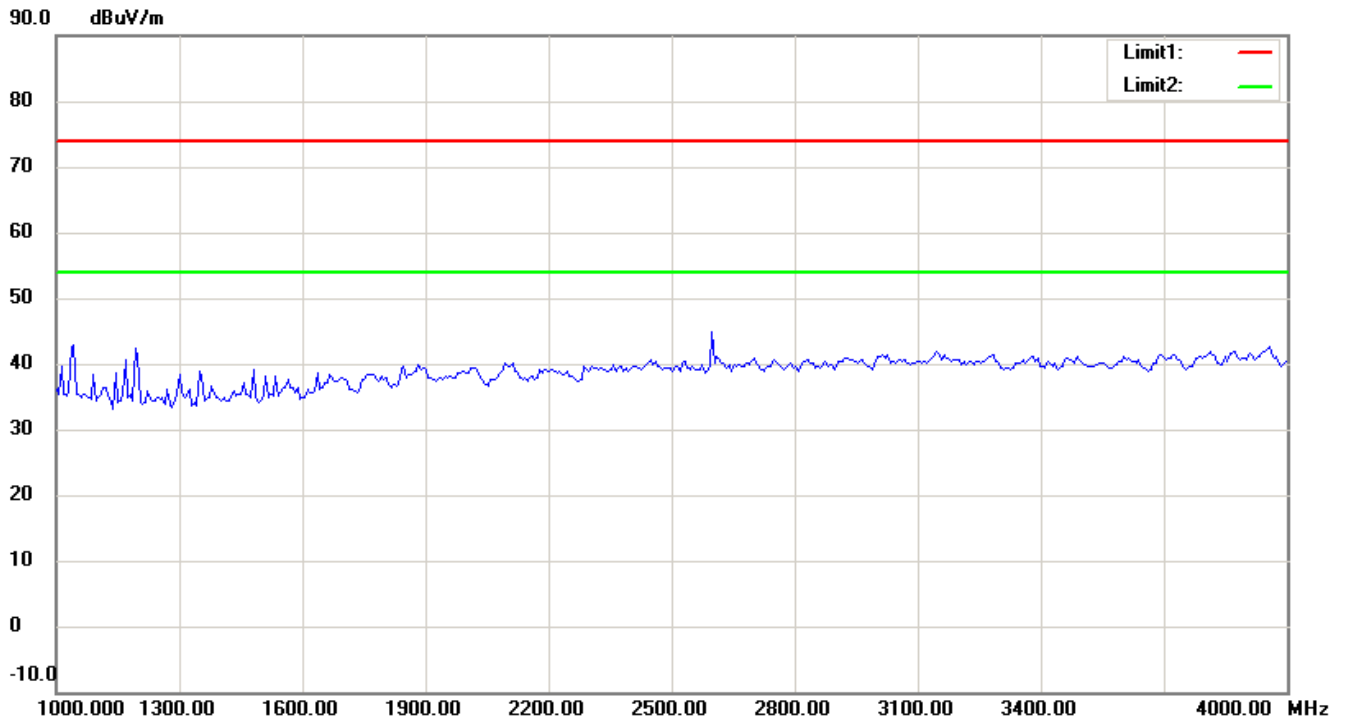
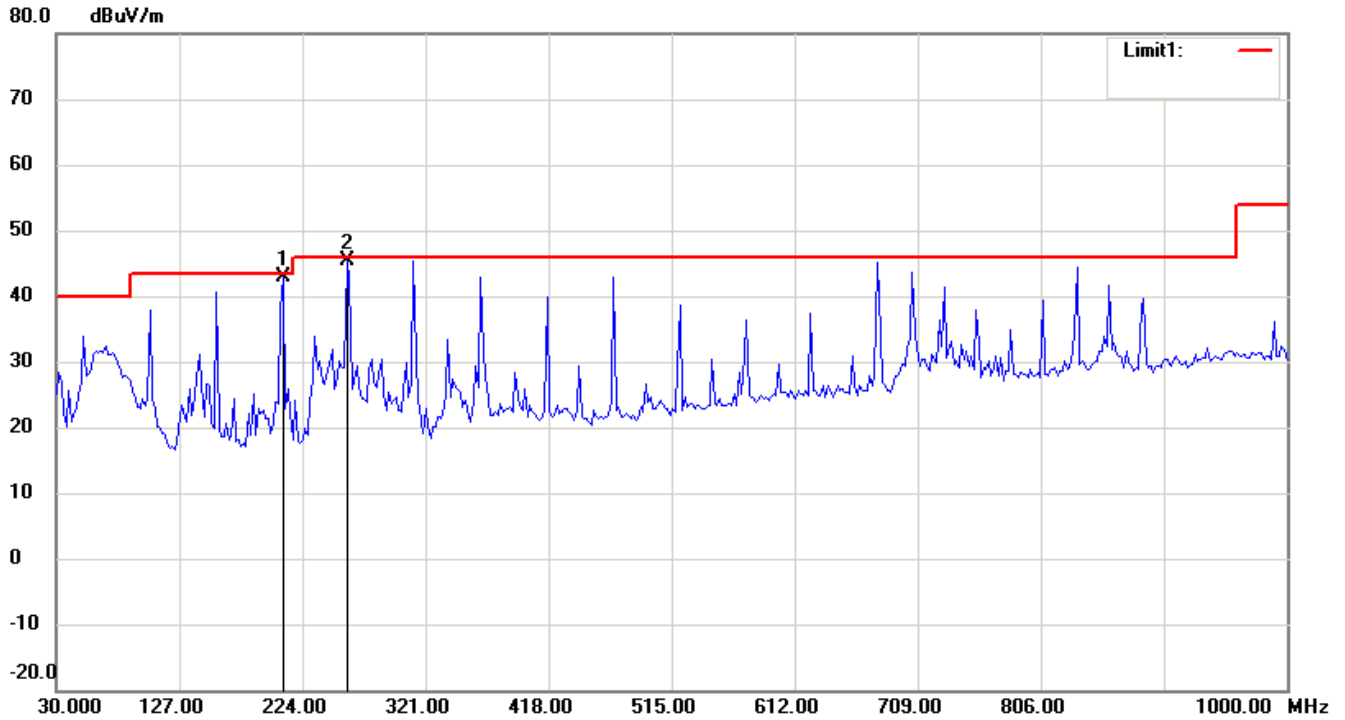
Note:

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Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

Antenna A + Antenna B  
802.11n 20MHz CH1  
Antenna Polarization H



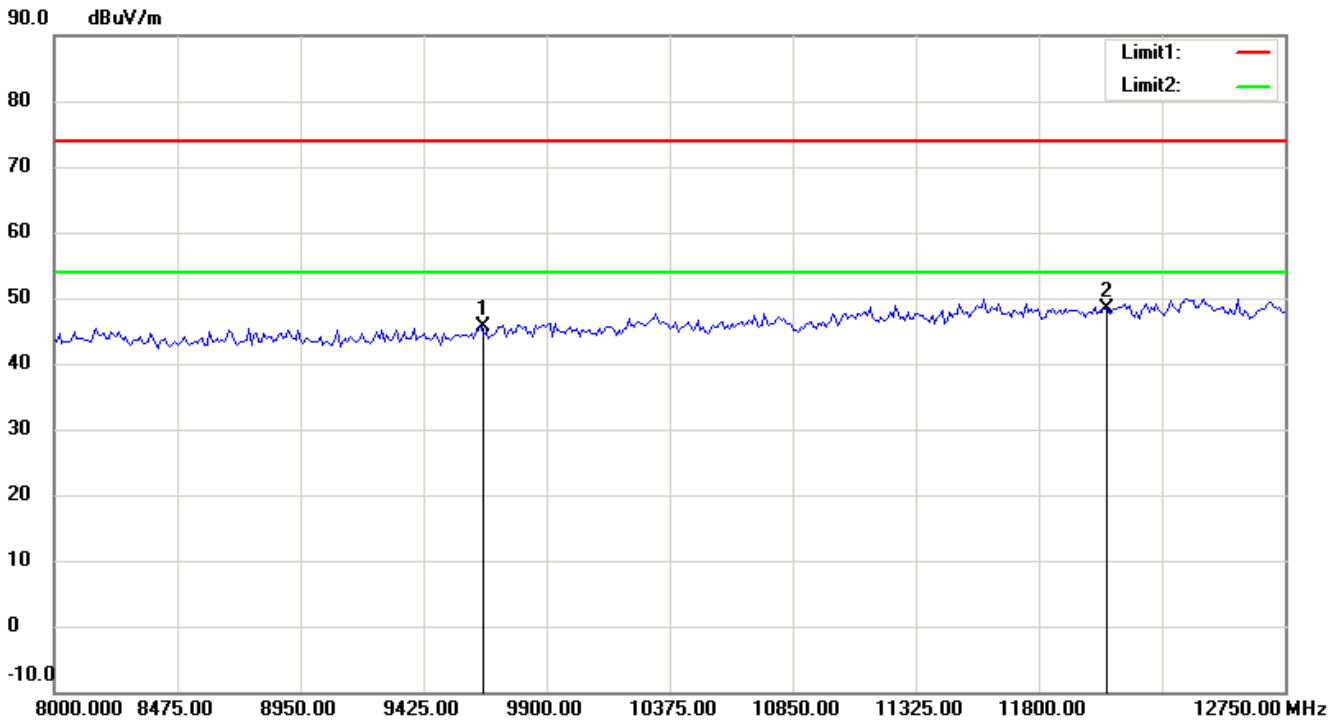
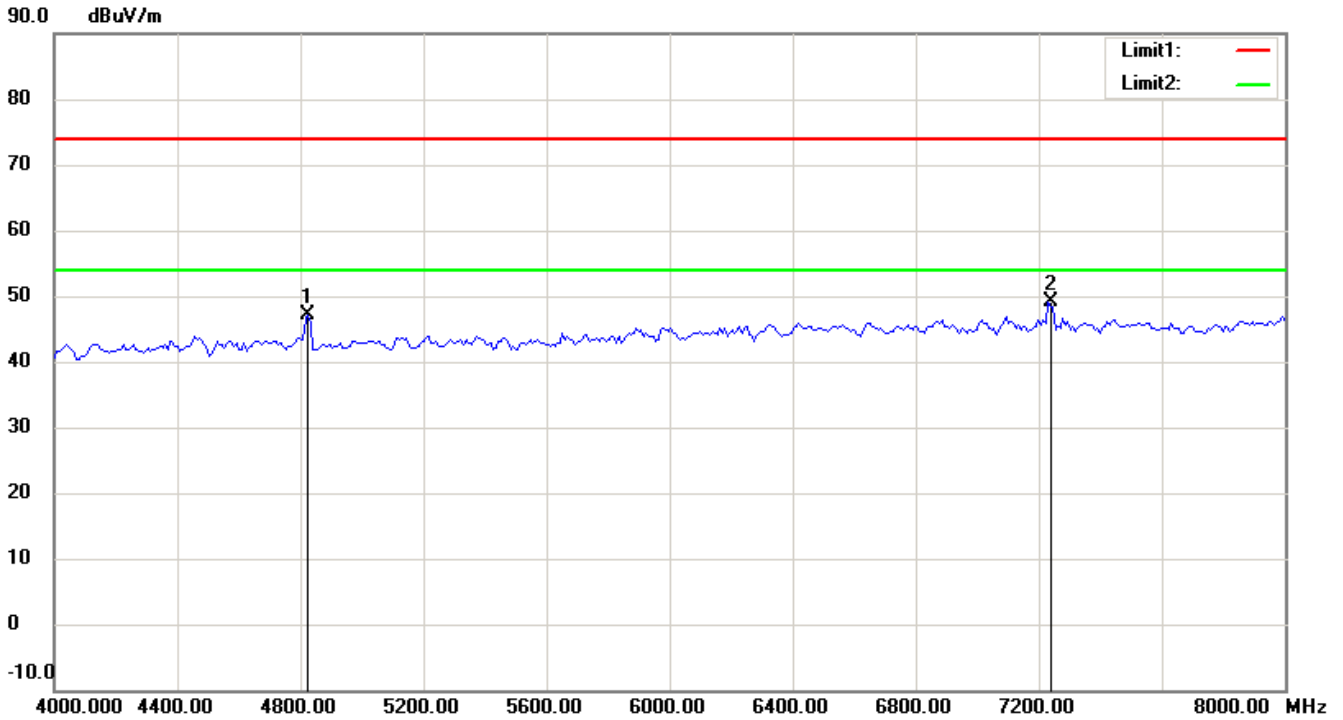
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

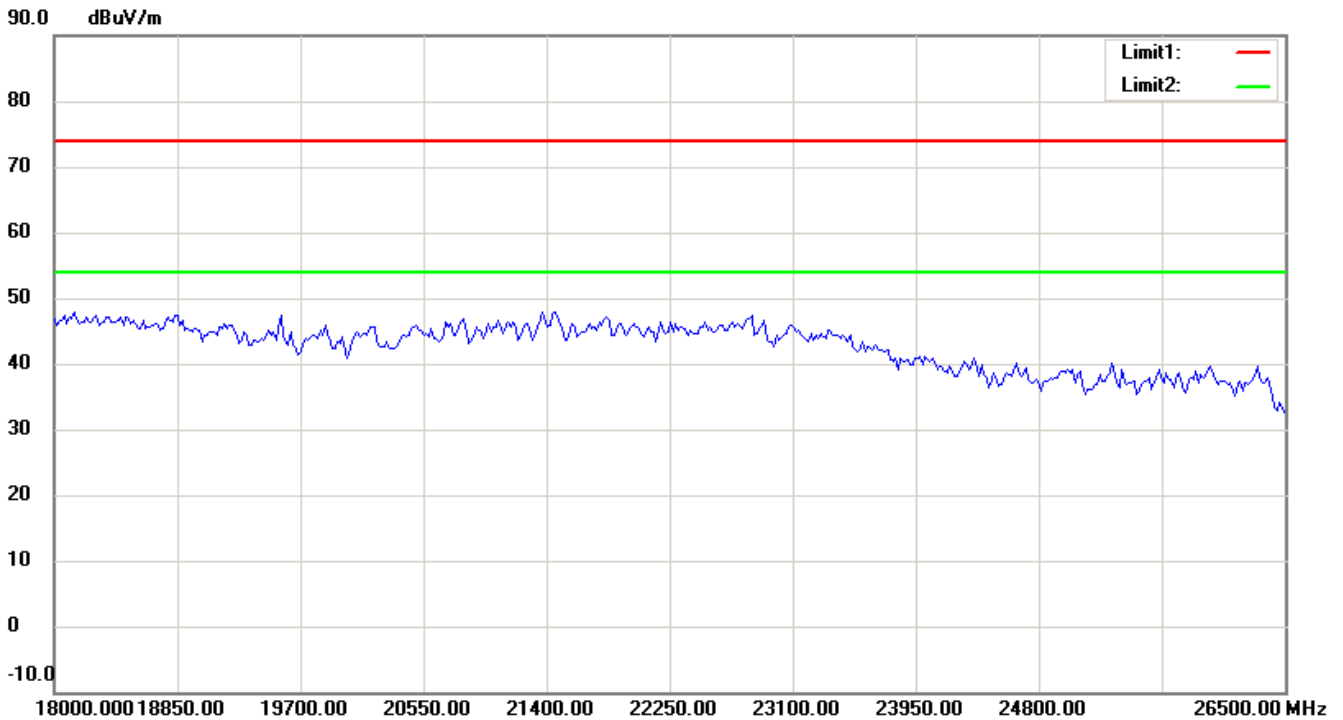
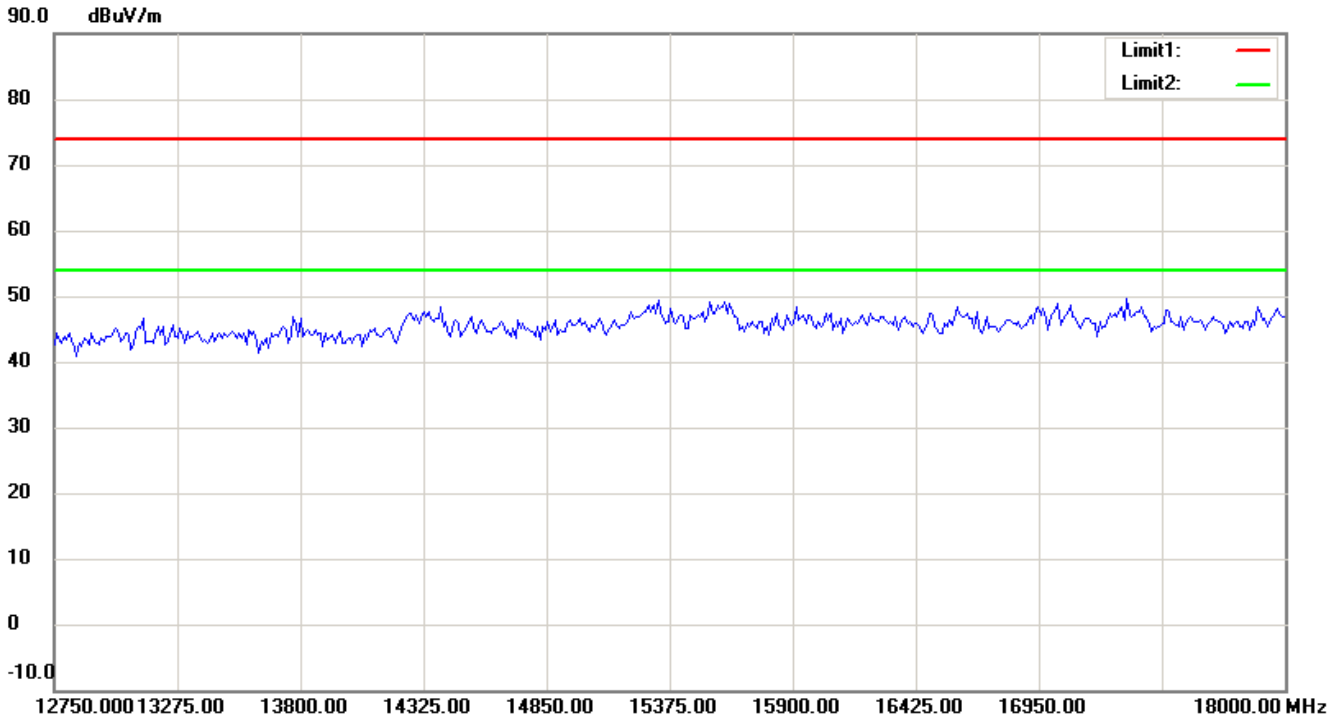
Note:

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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# Worldwide Testing Services(Taiwan) Co., Ltd.

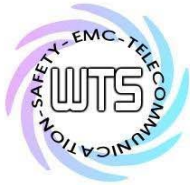
Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

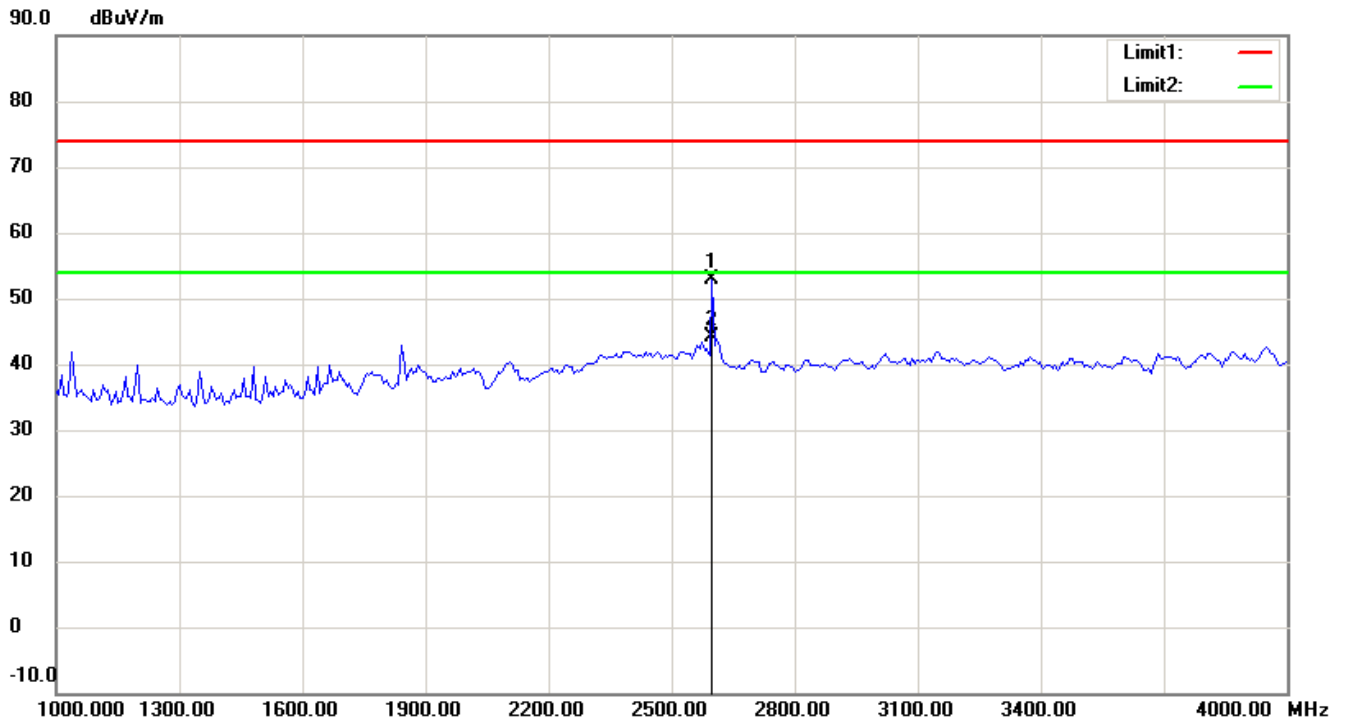
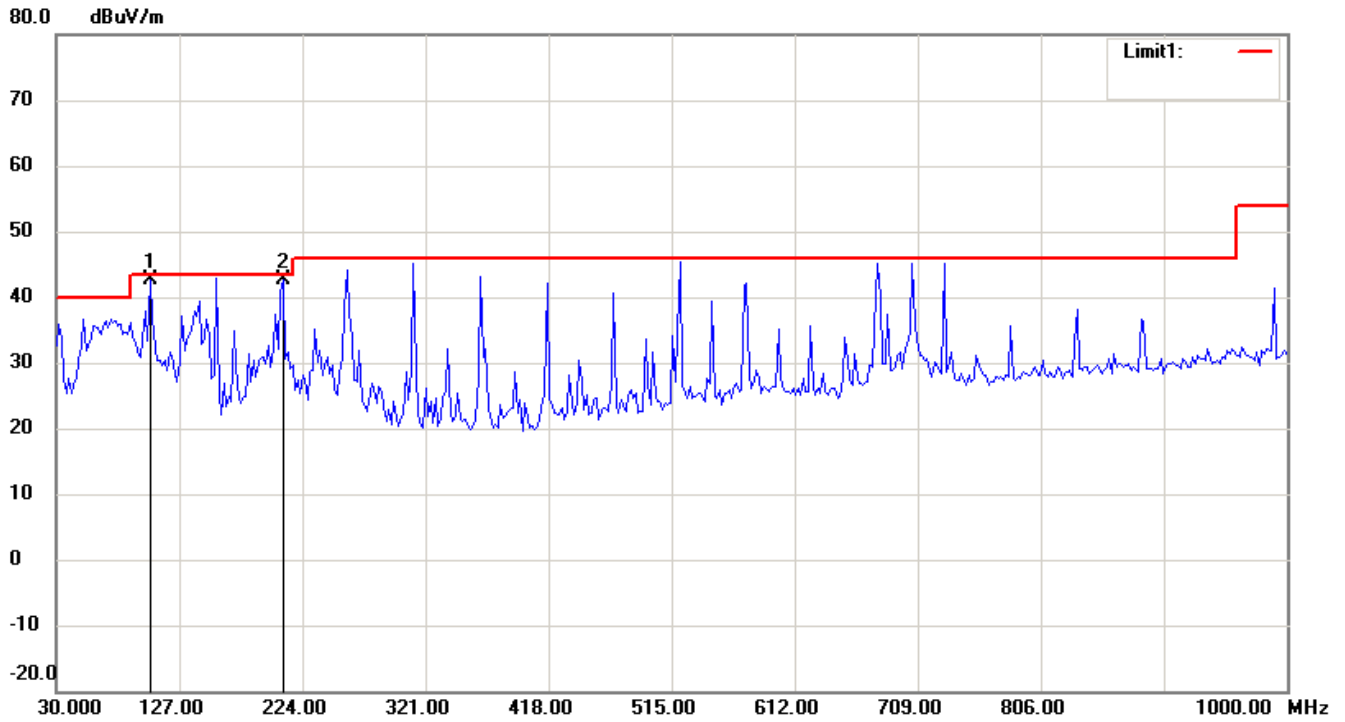
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



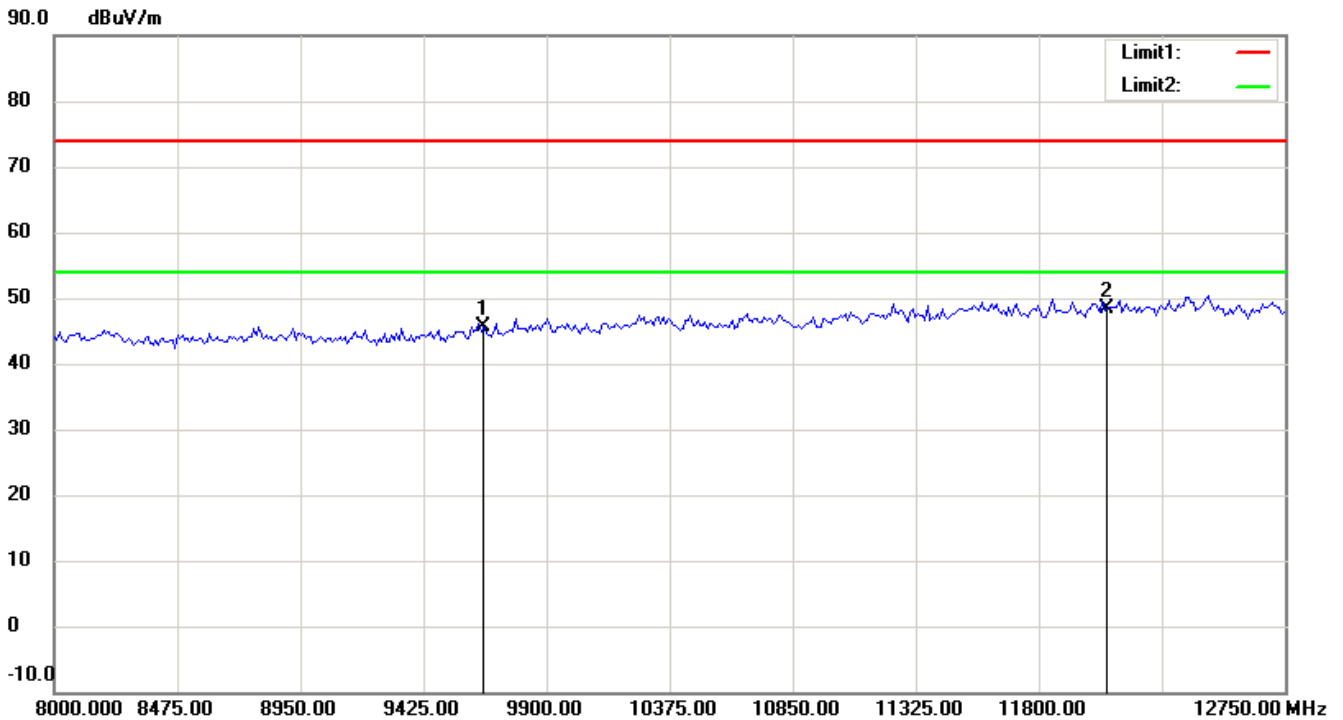
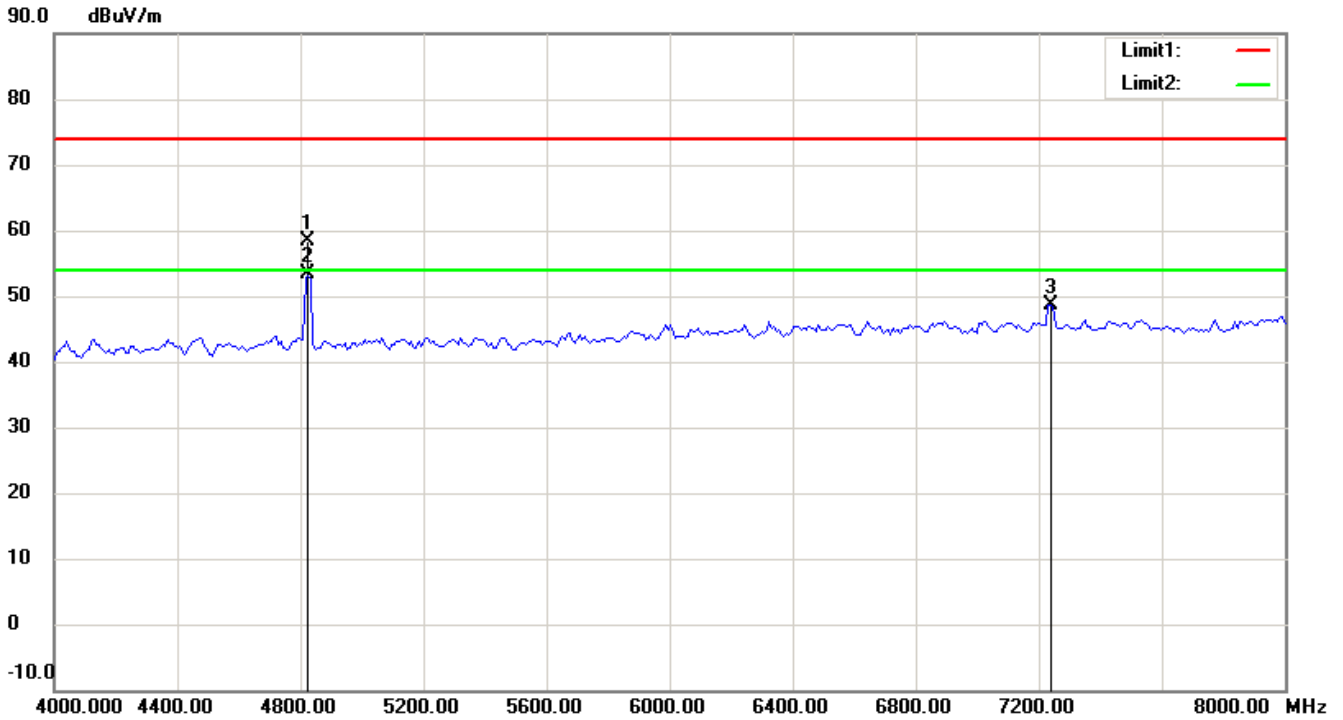
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

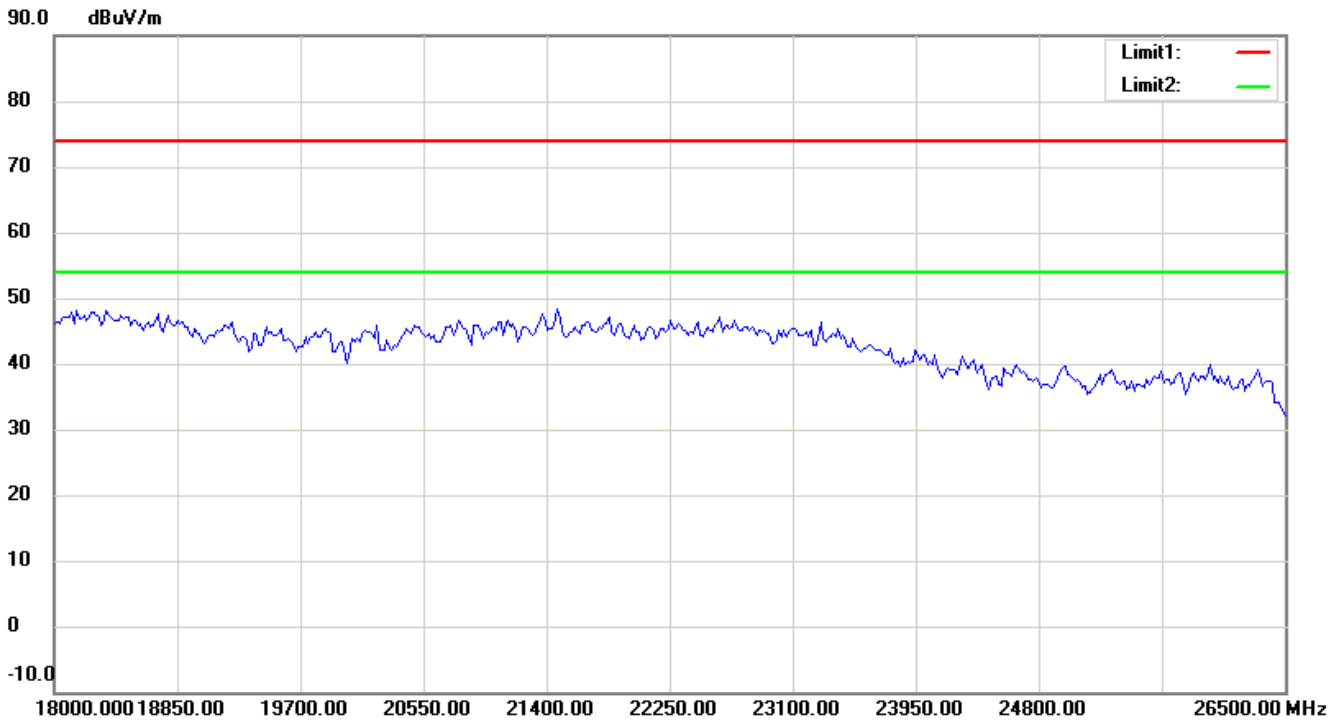
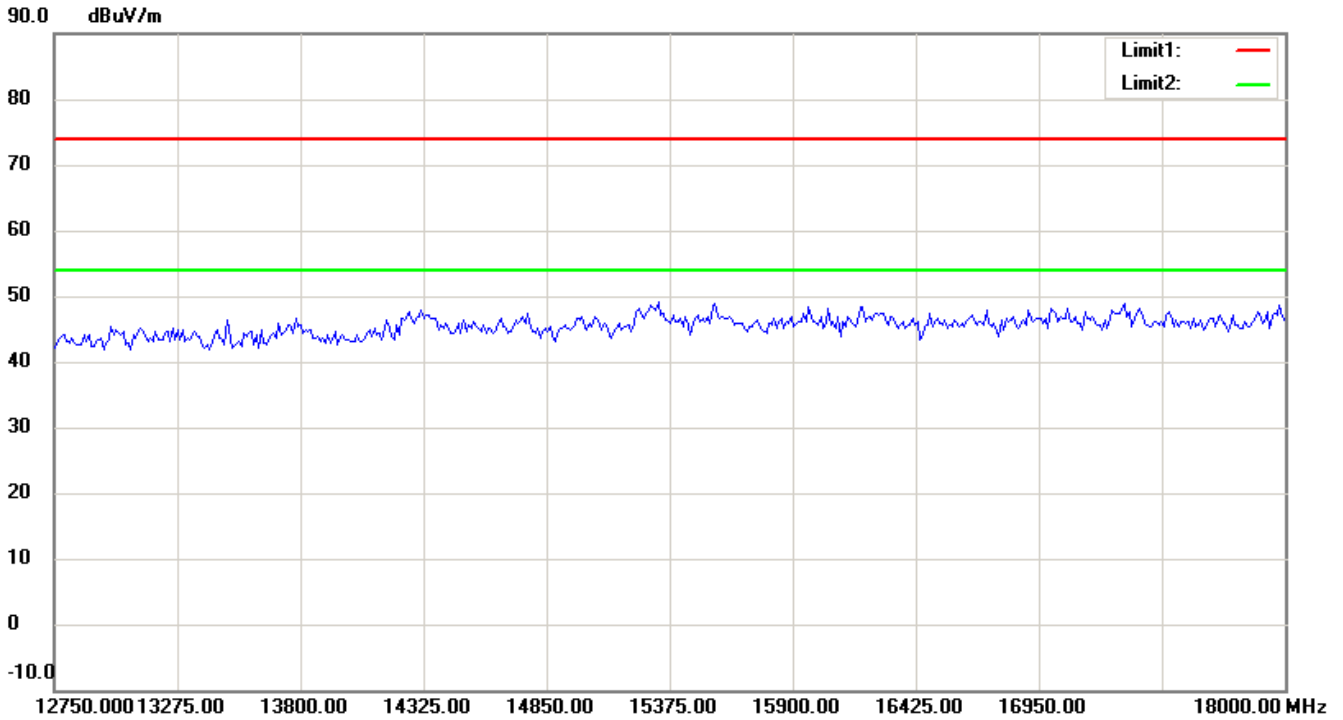
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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





# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11n 20MHz CH6 Antenna Polarization H



Up Line: Peak Limit Line Down Line: Ave Limit Line

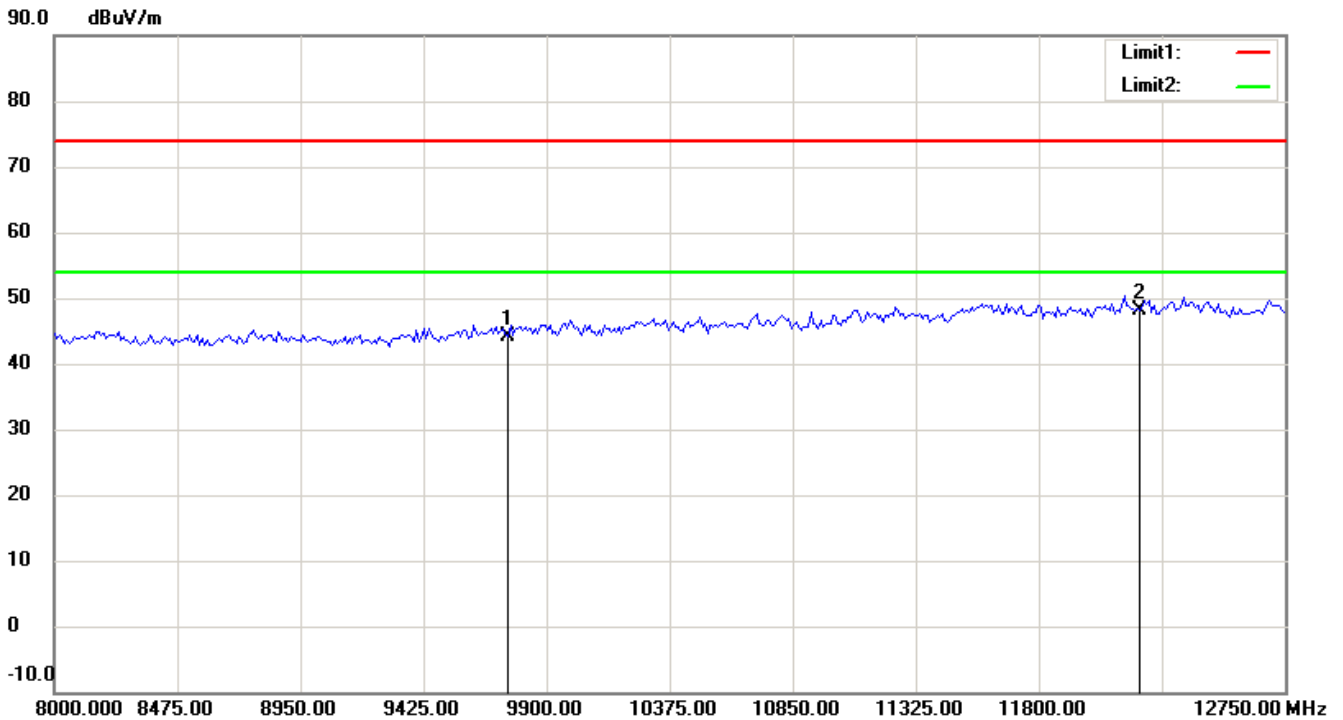
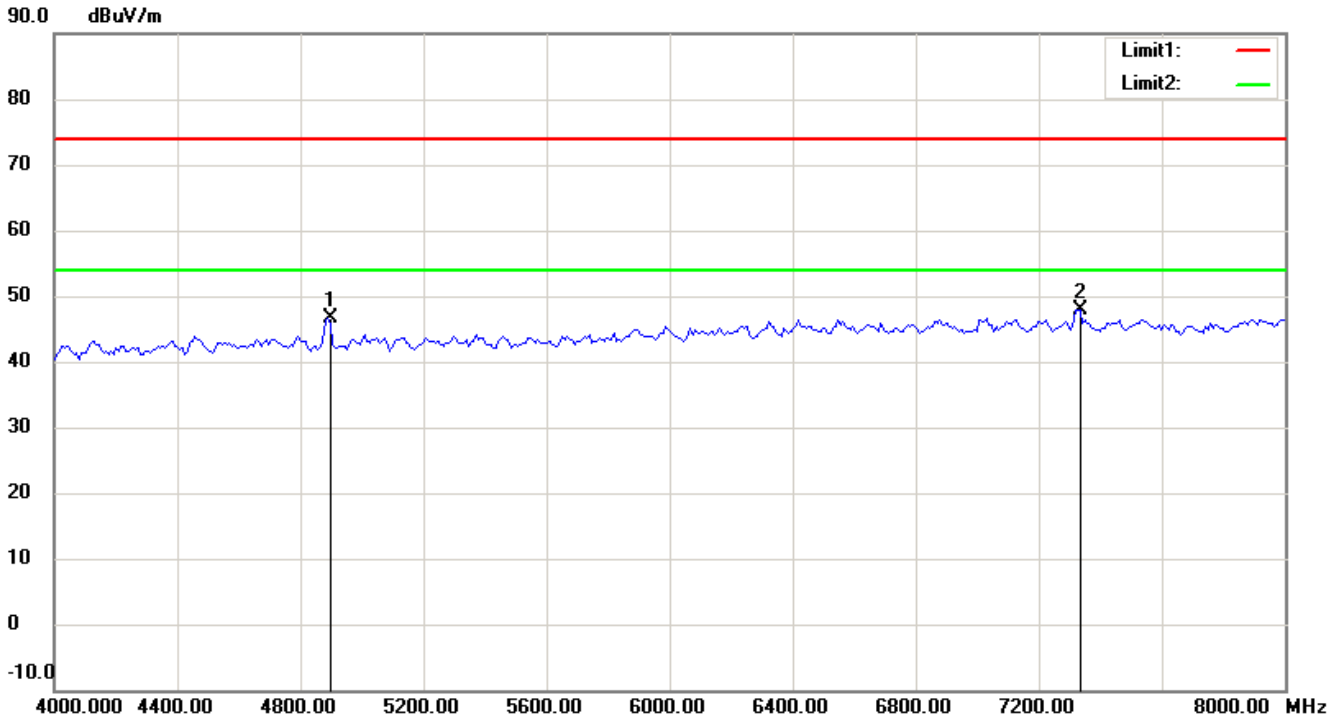
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

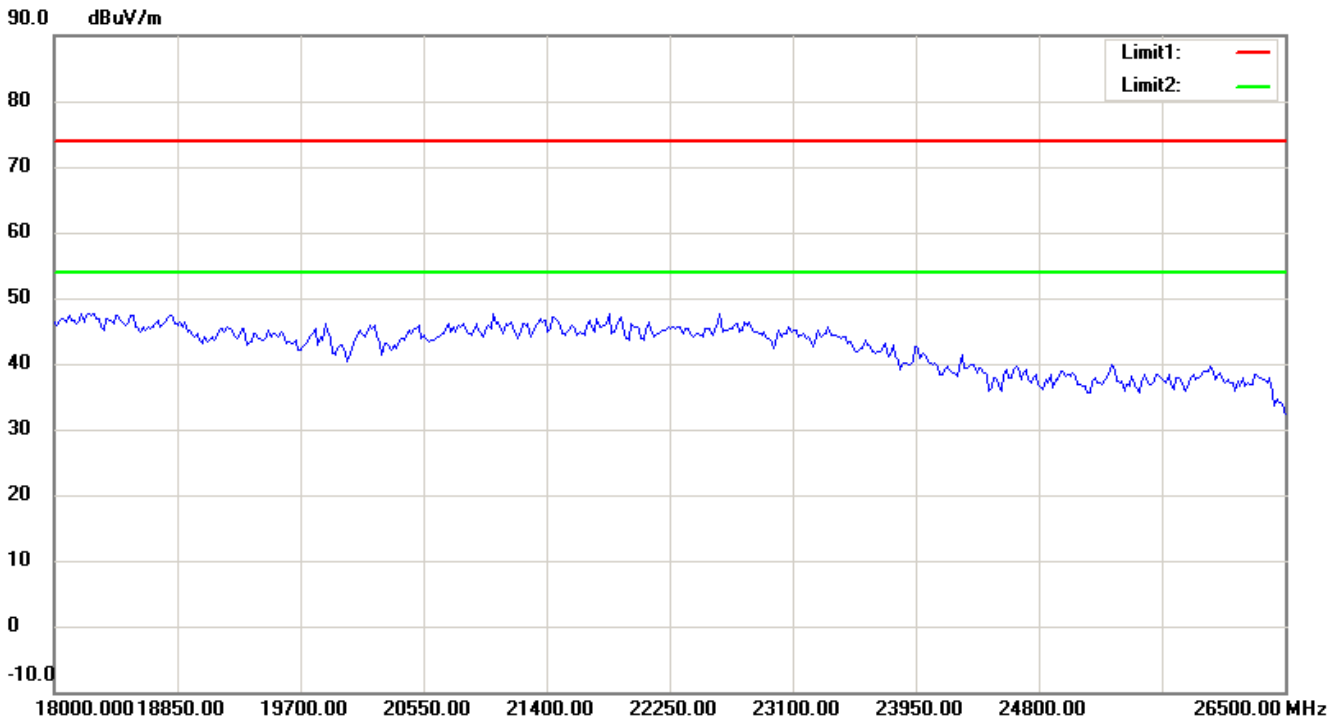
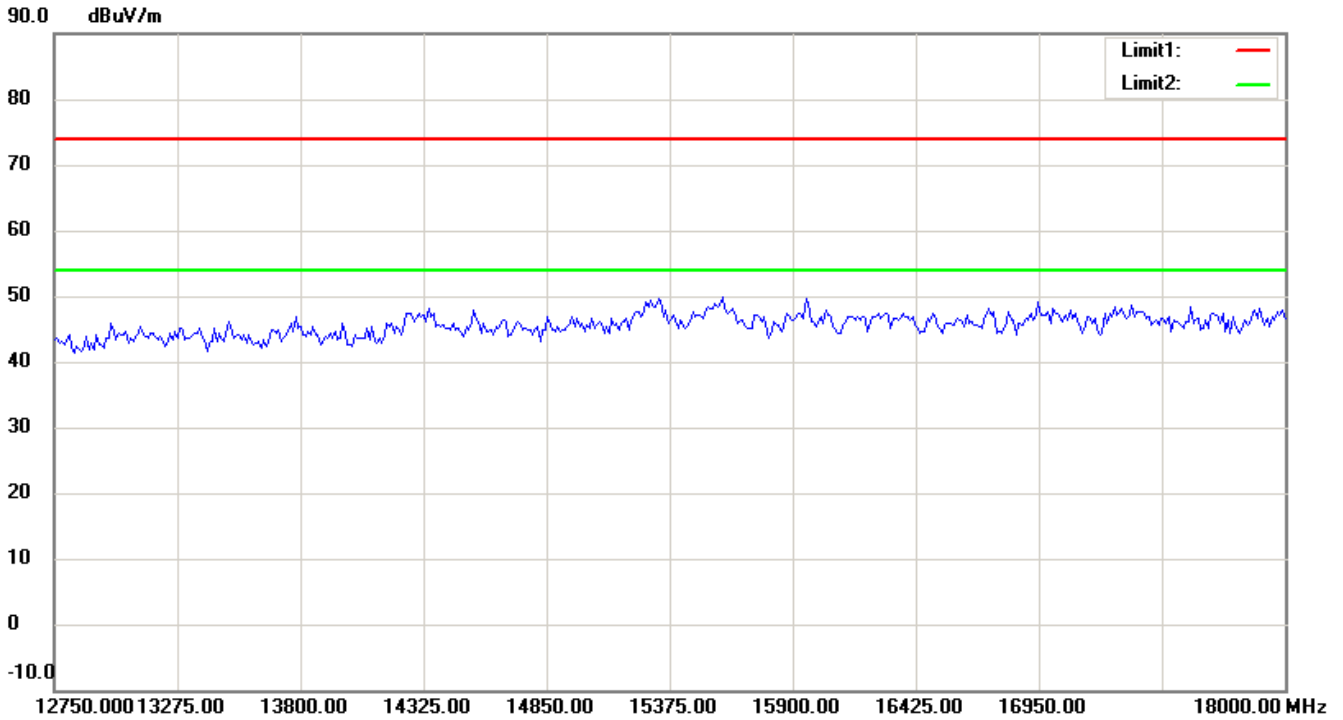
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

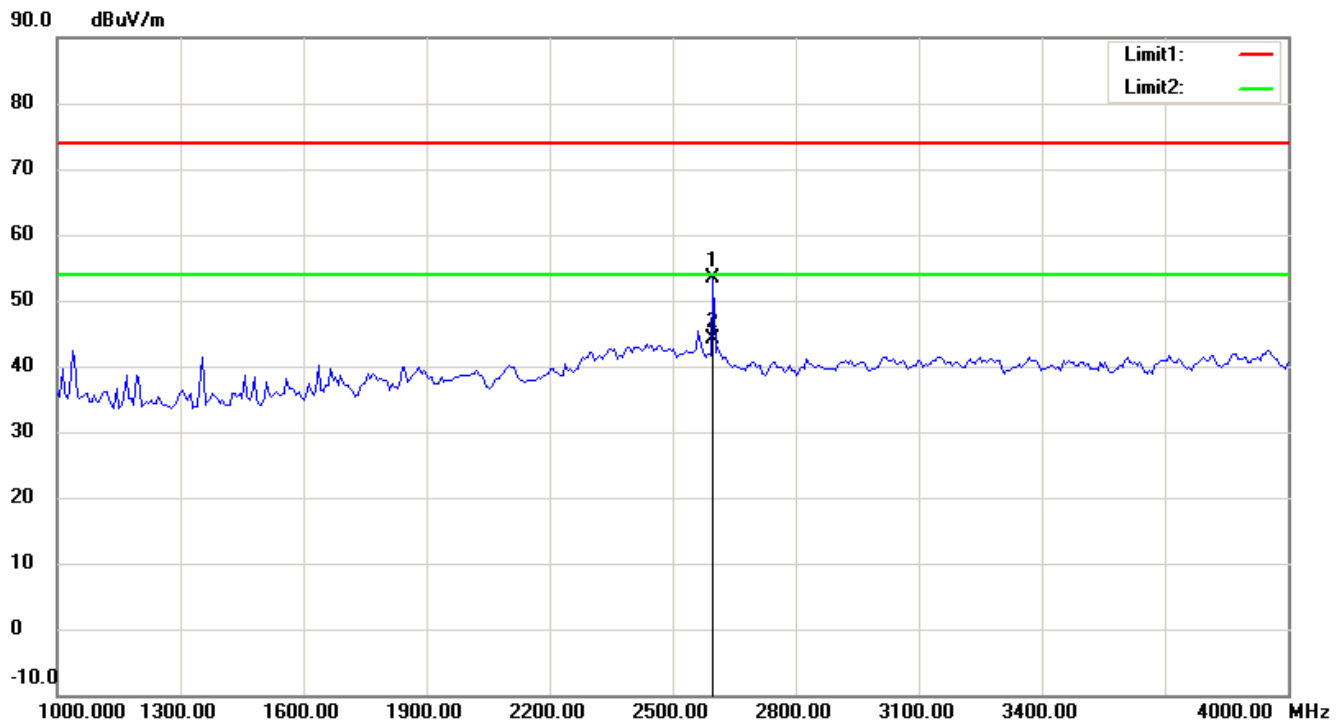
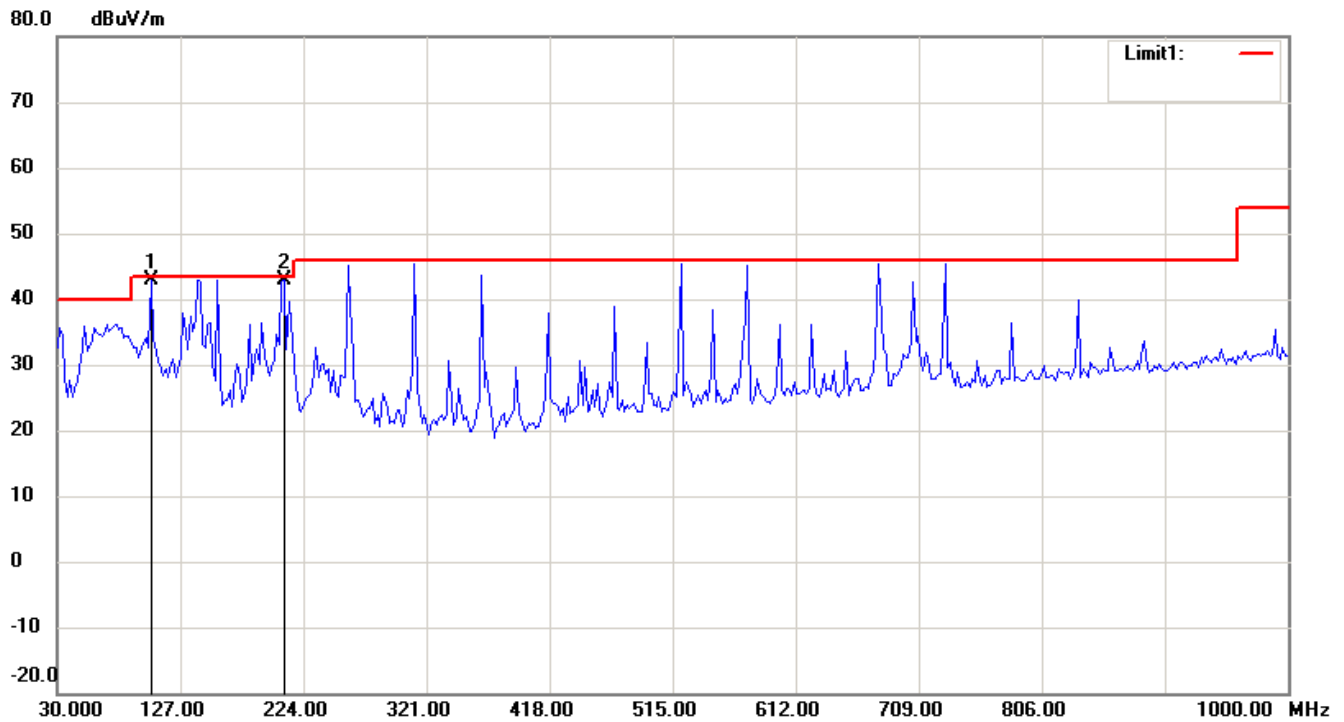
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



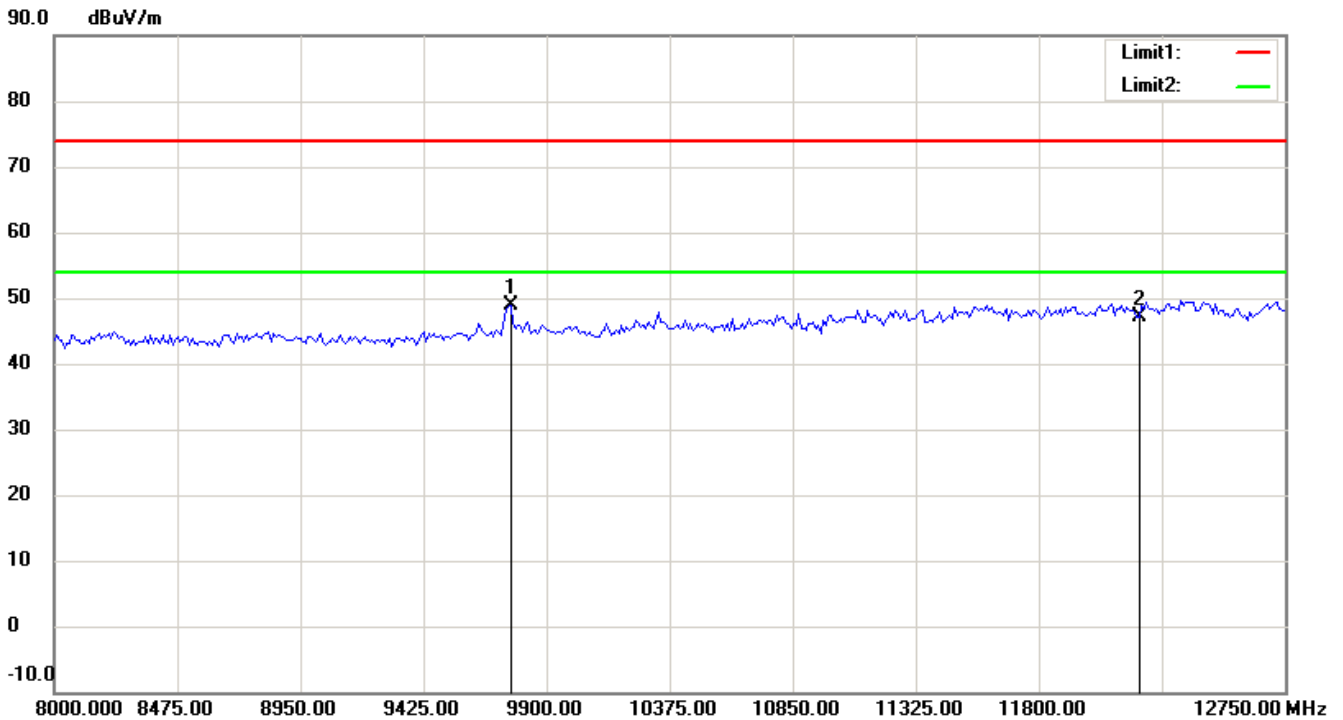
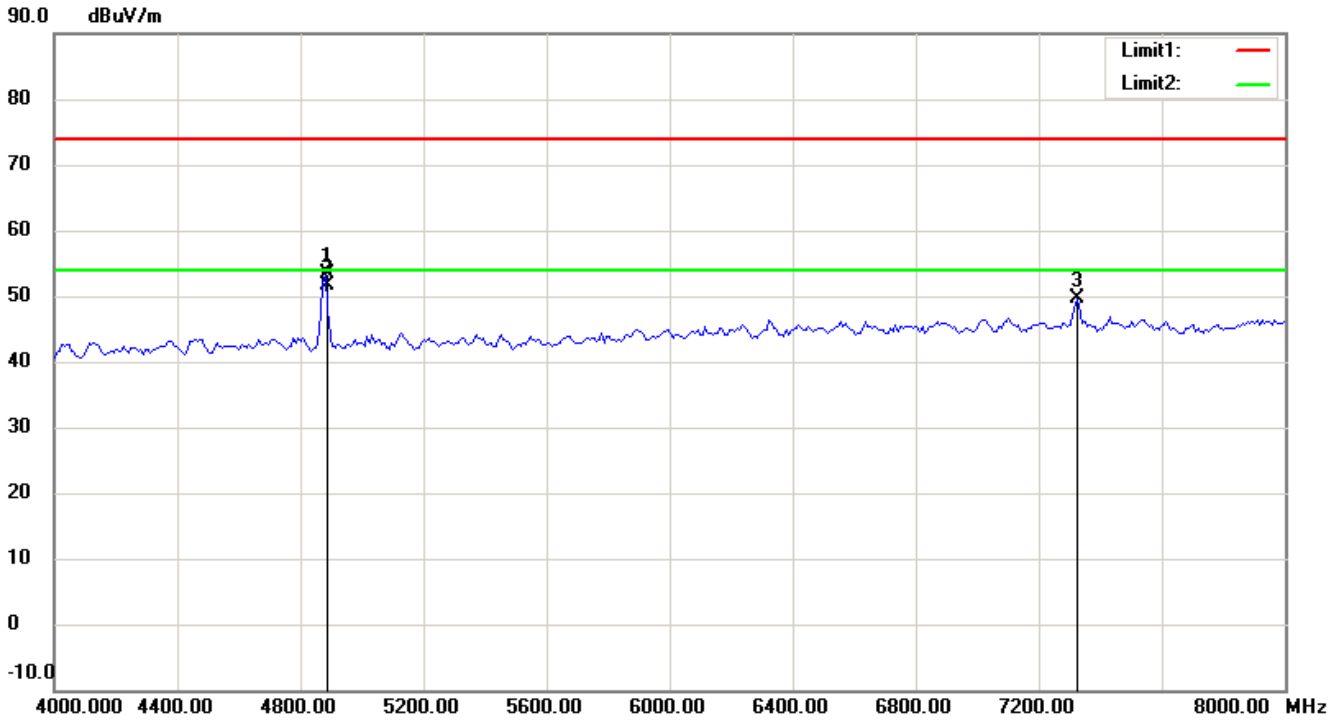
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

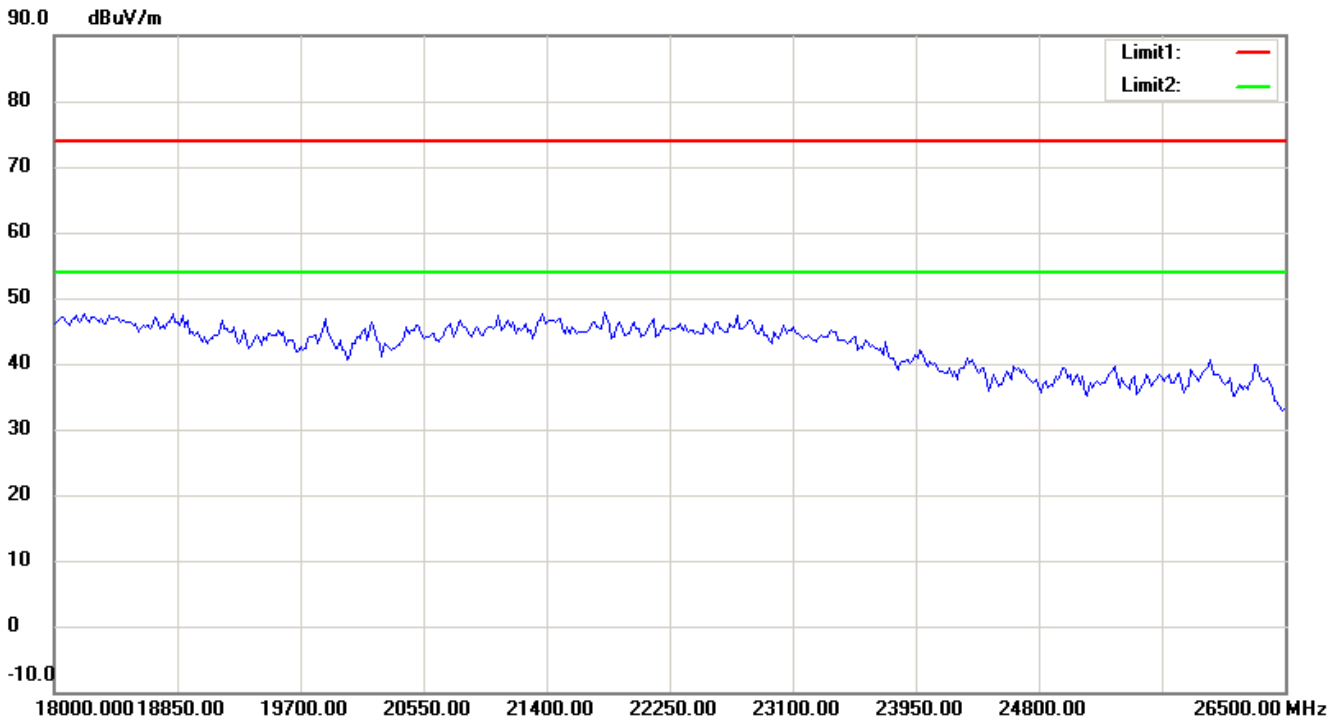
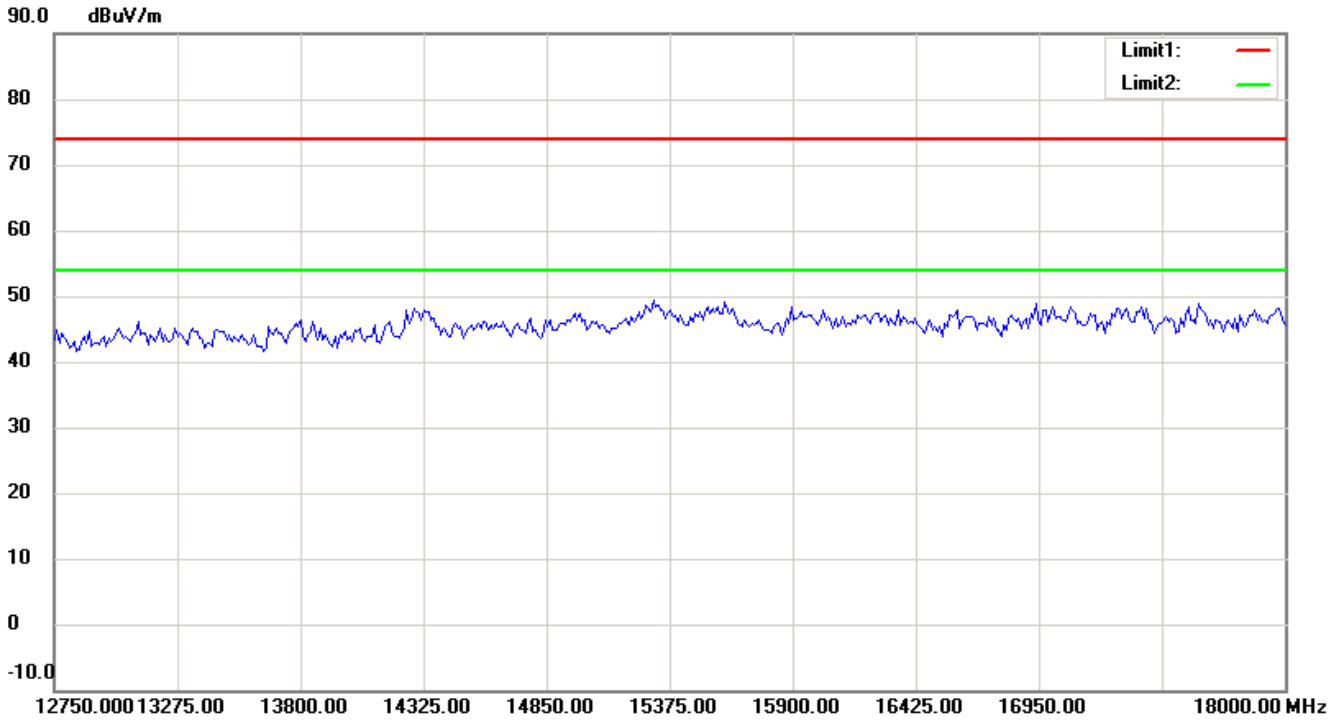
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

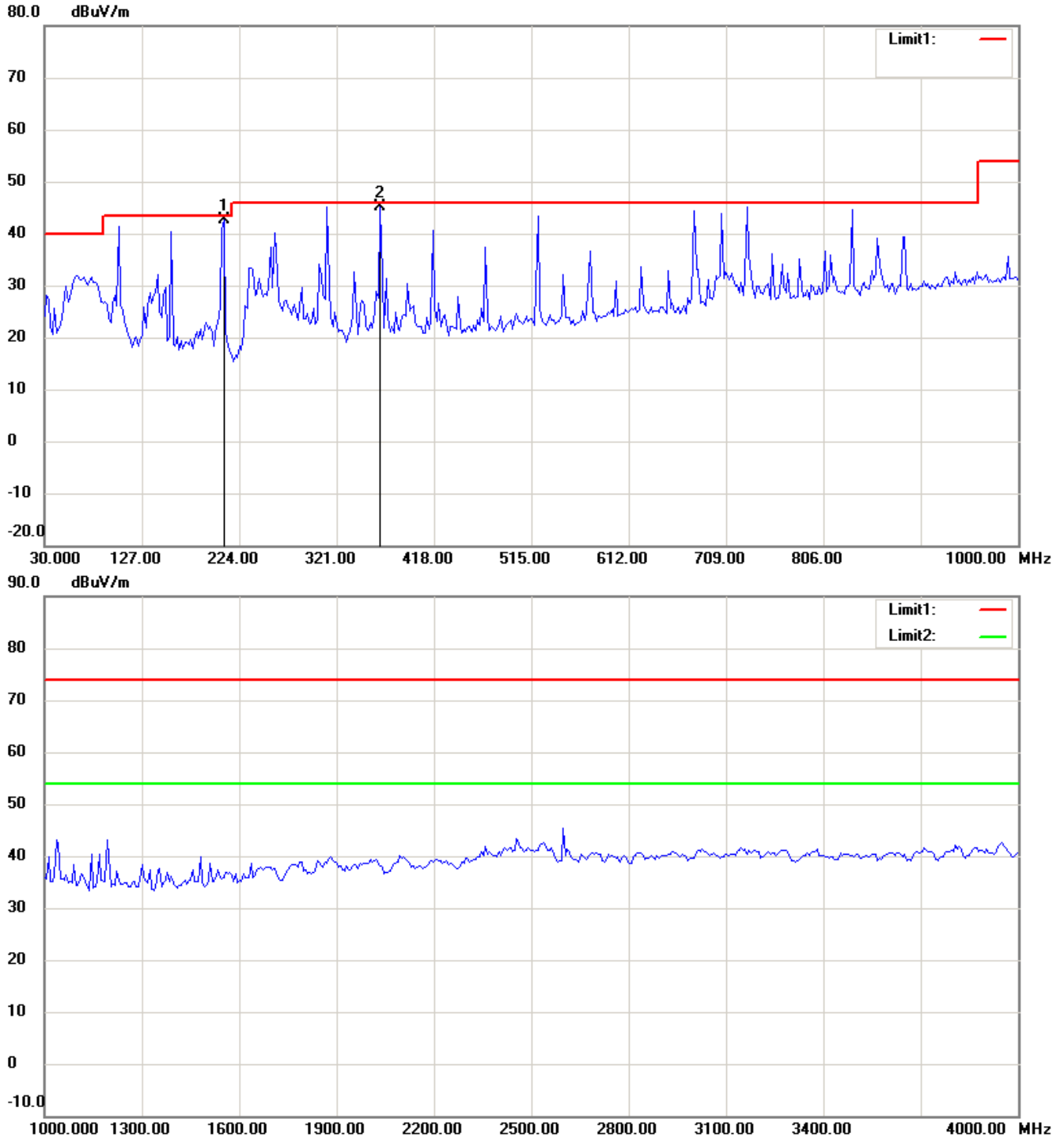
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11n 20MHz CH11 Antenna Polarization H



Up Line: Peak Limit Line Down Line: Ave Limit Line

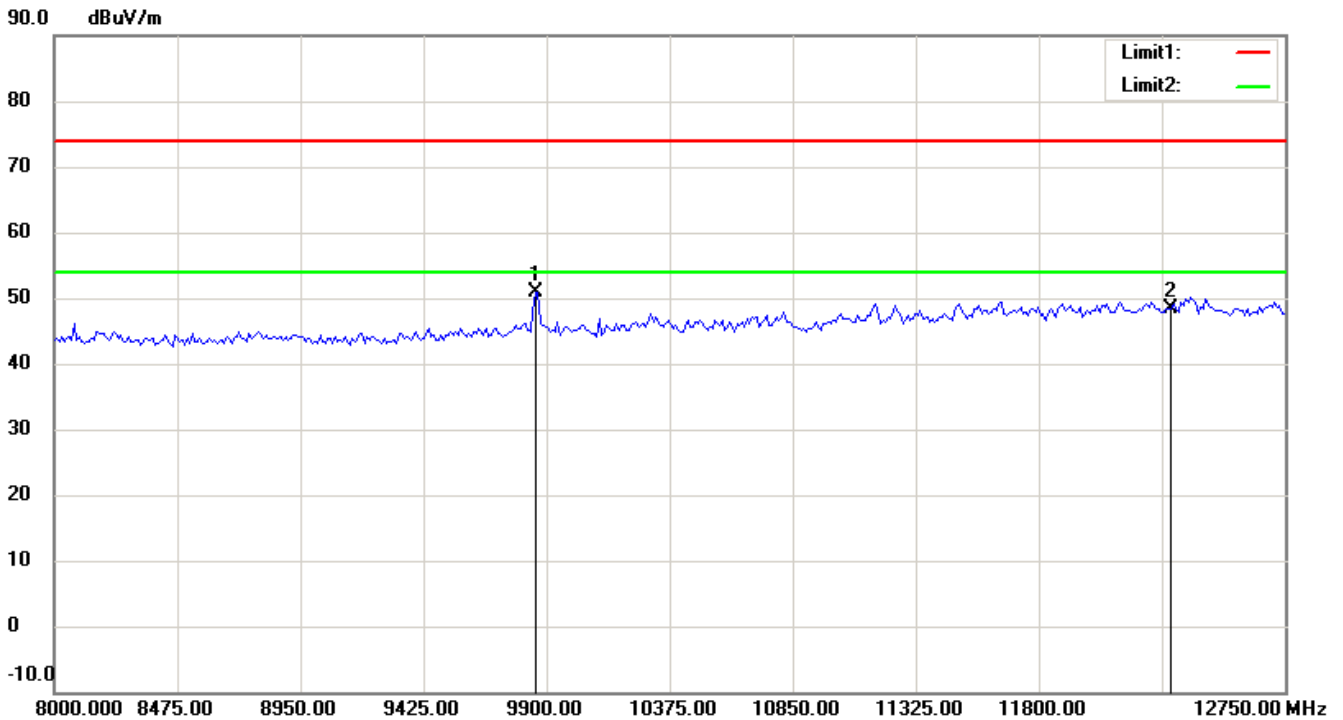
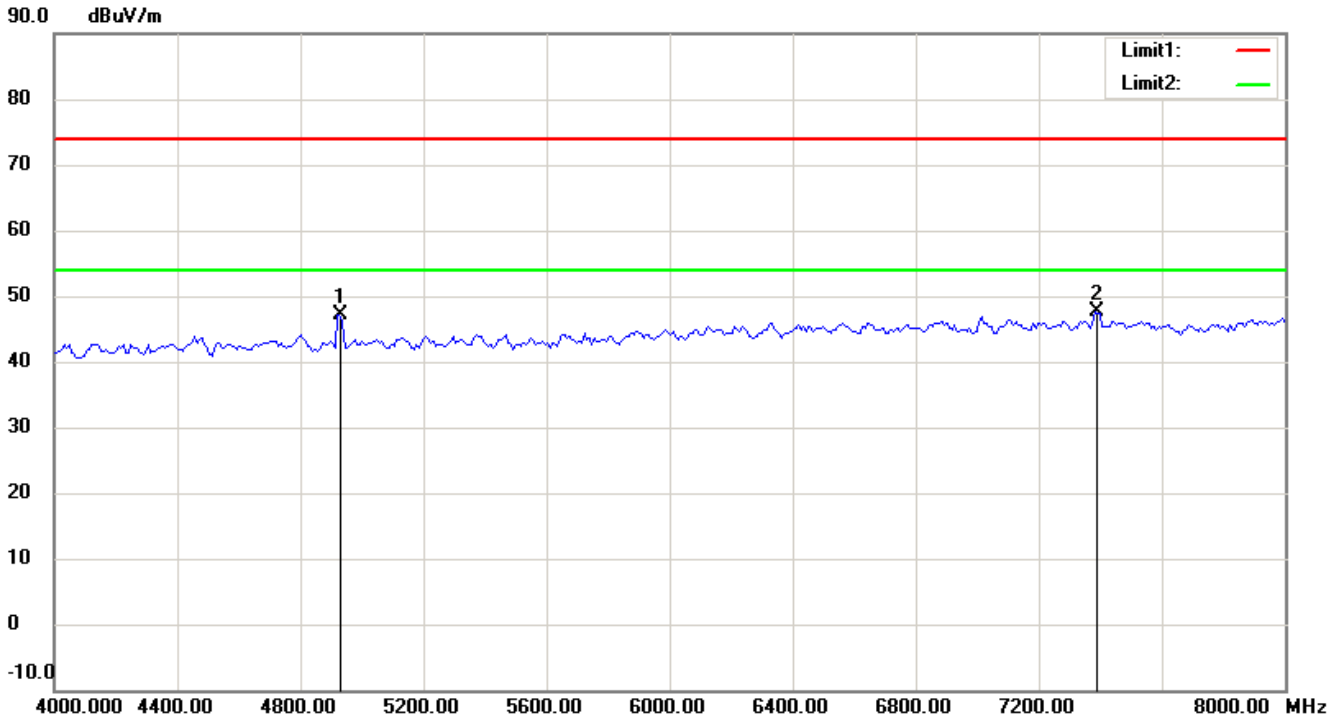
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

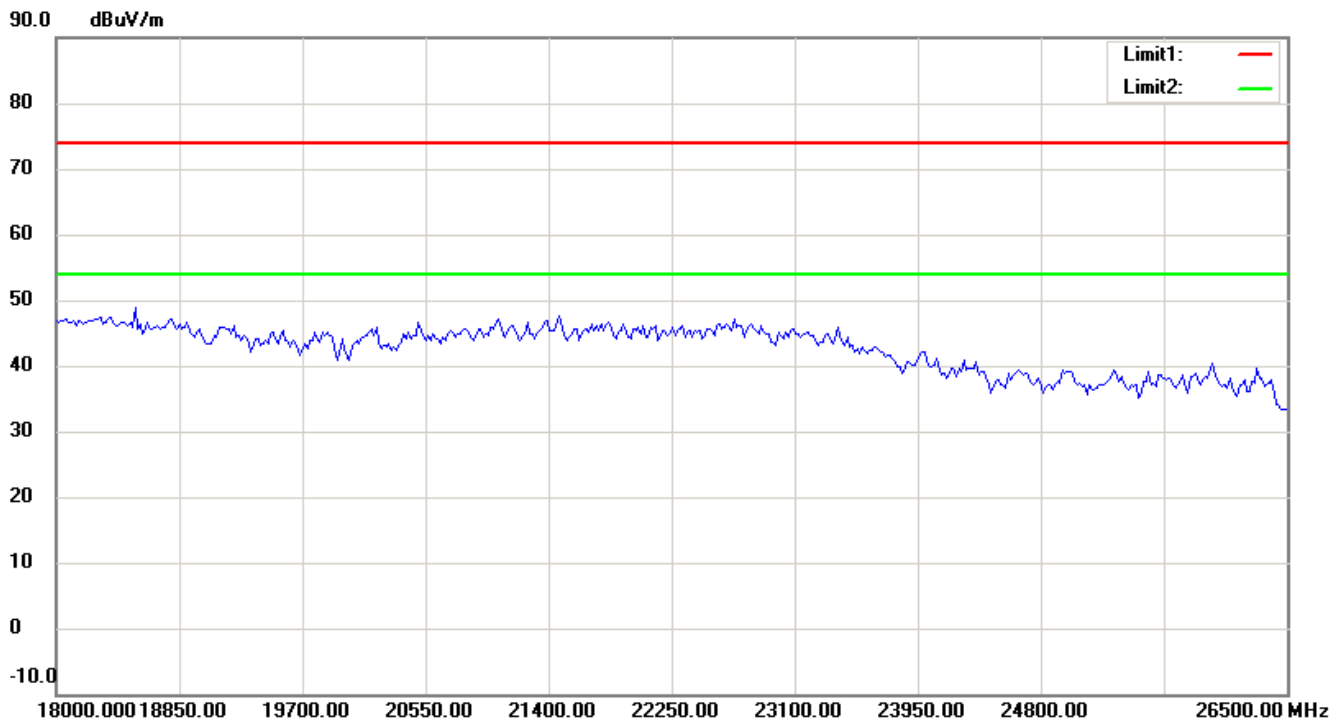
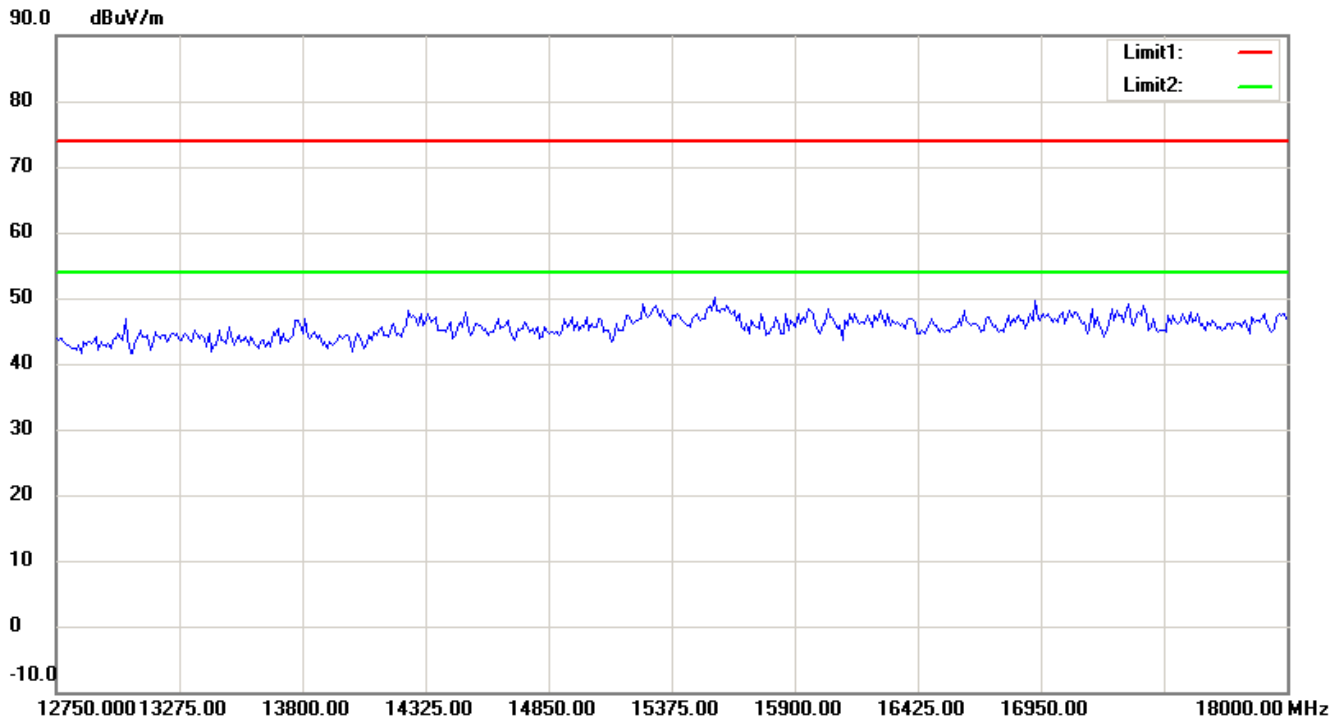
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

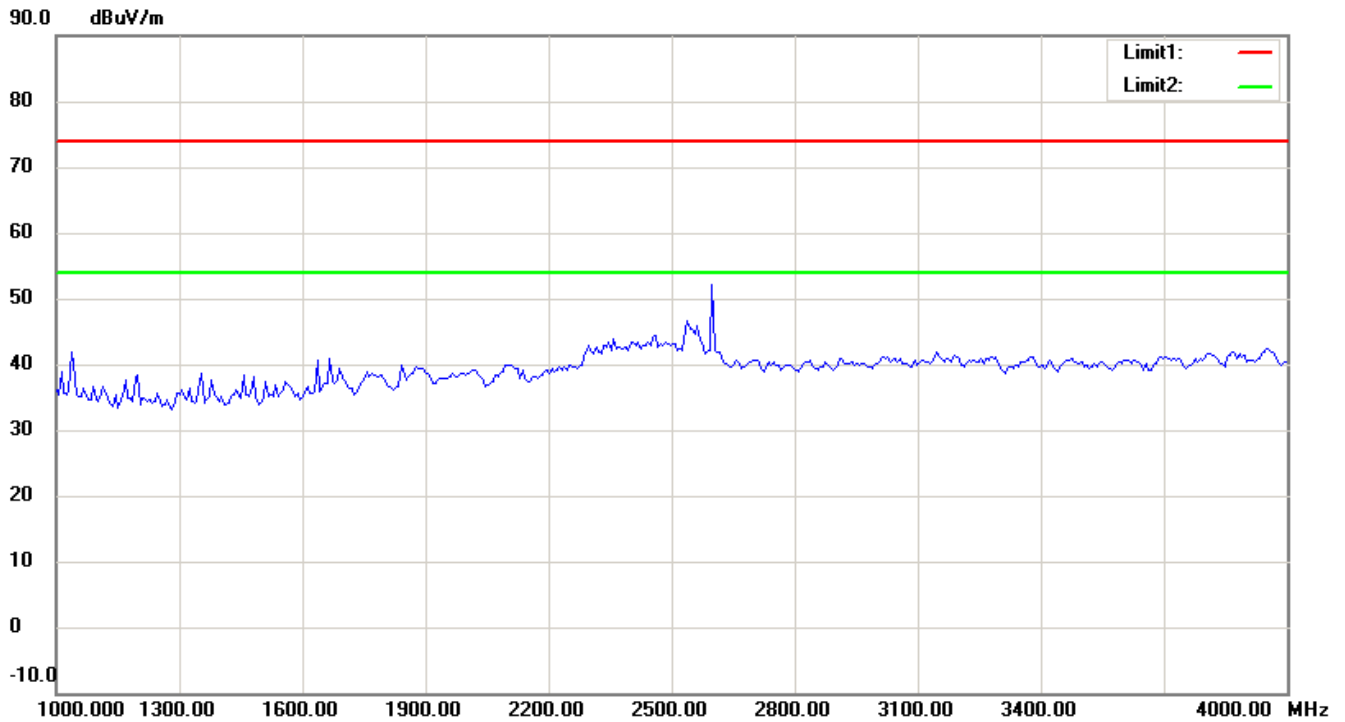
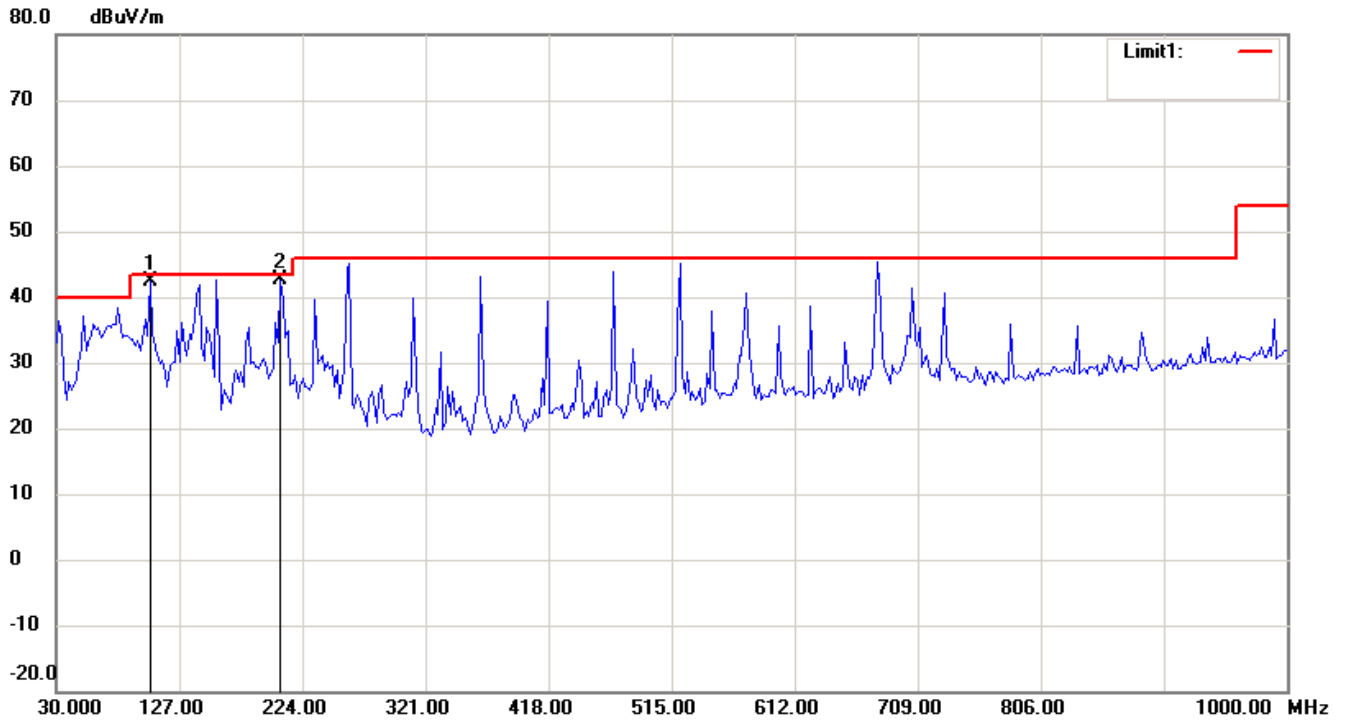
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



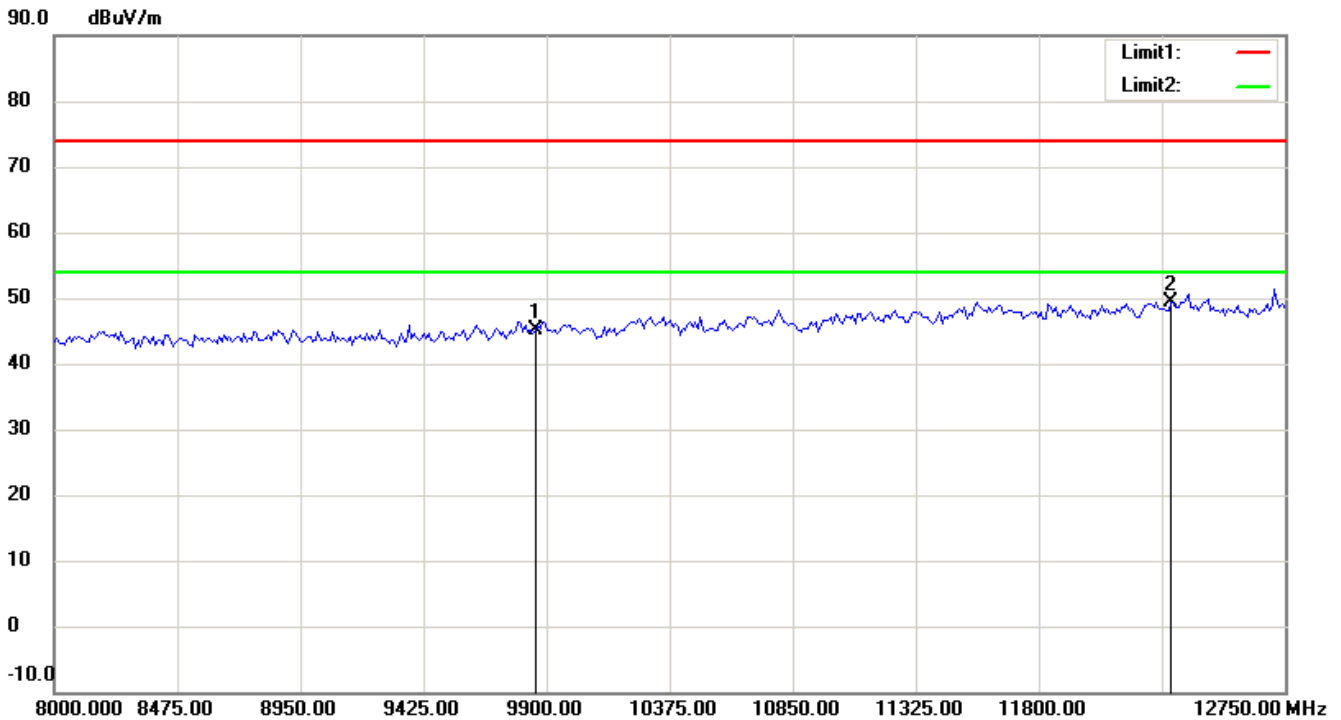
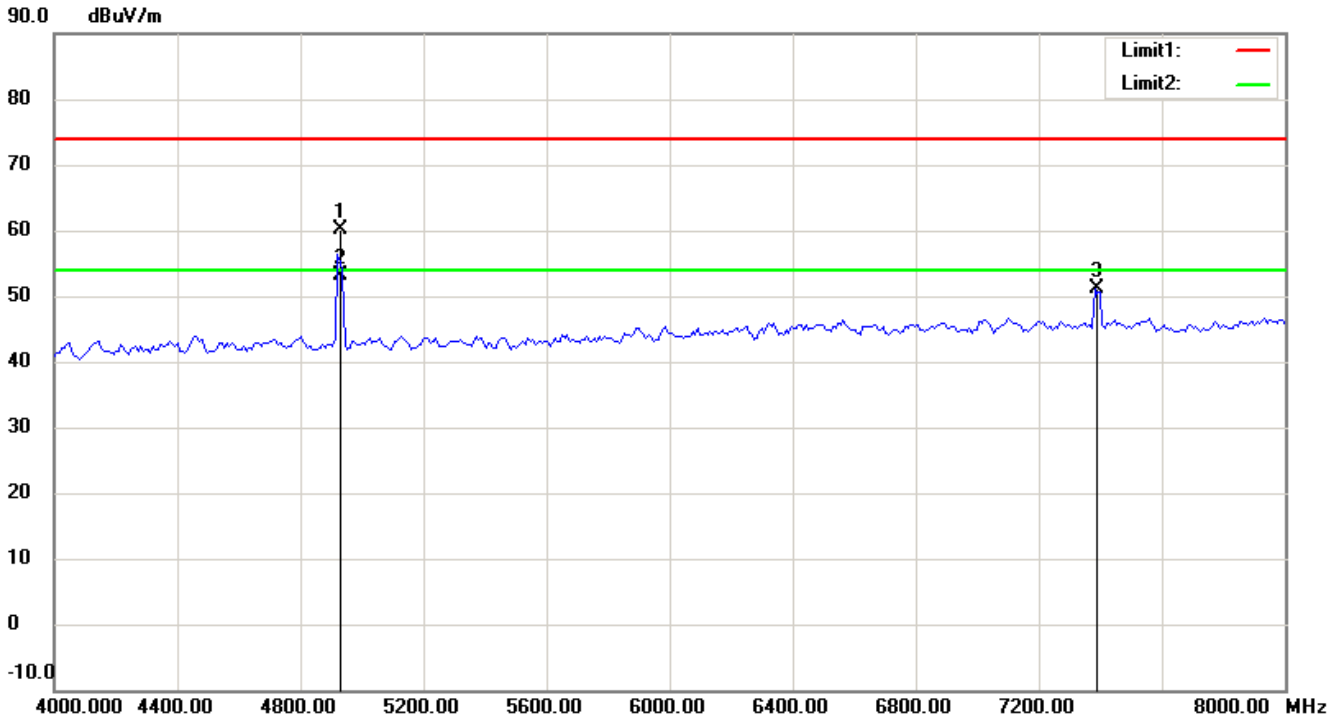
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

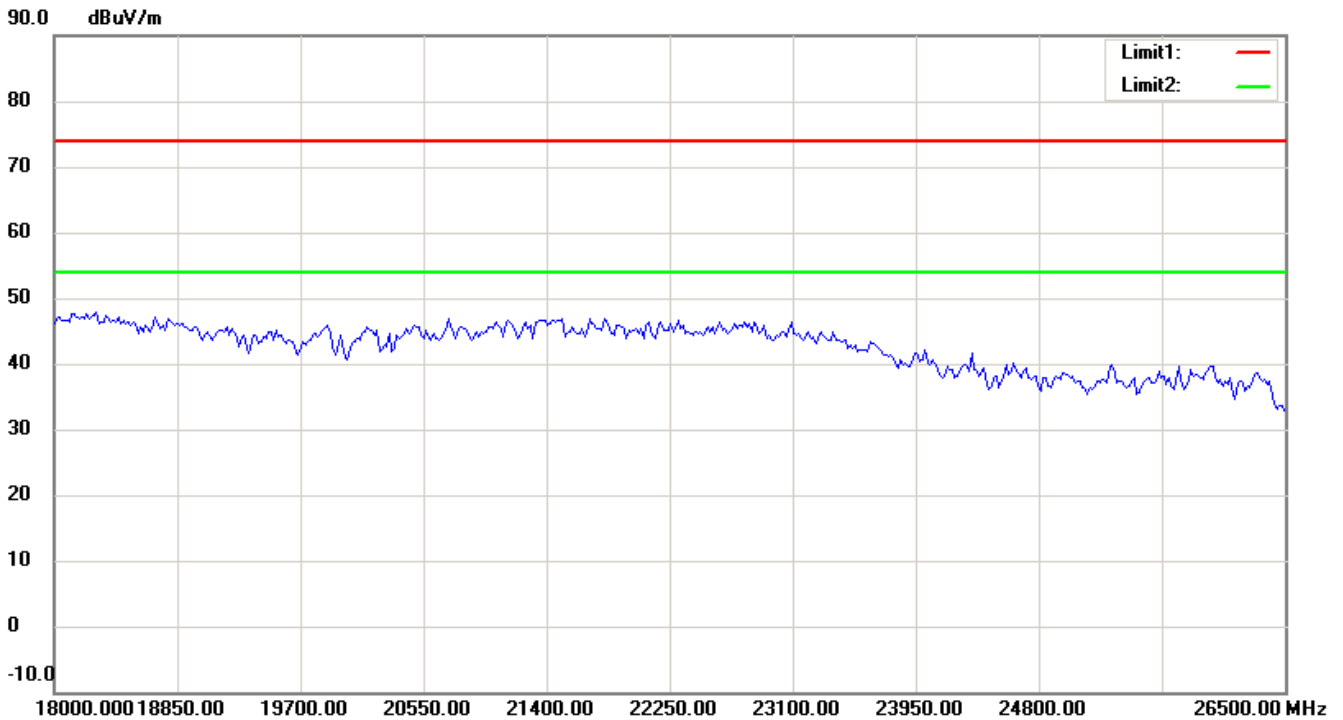
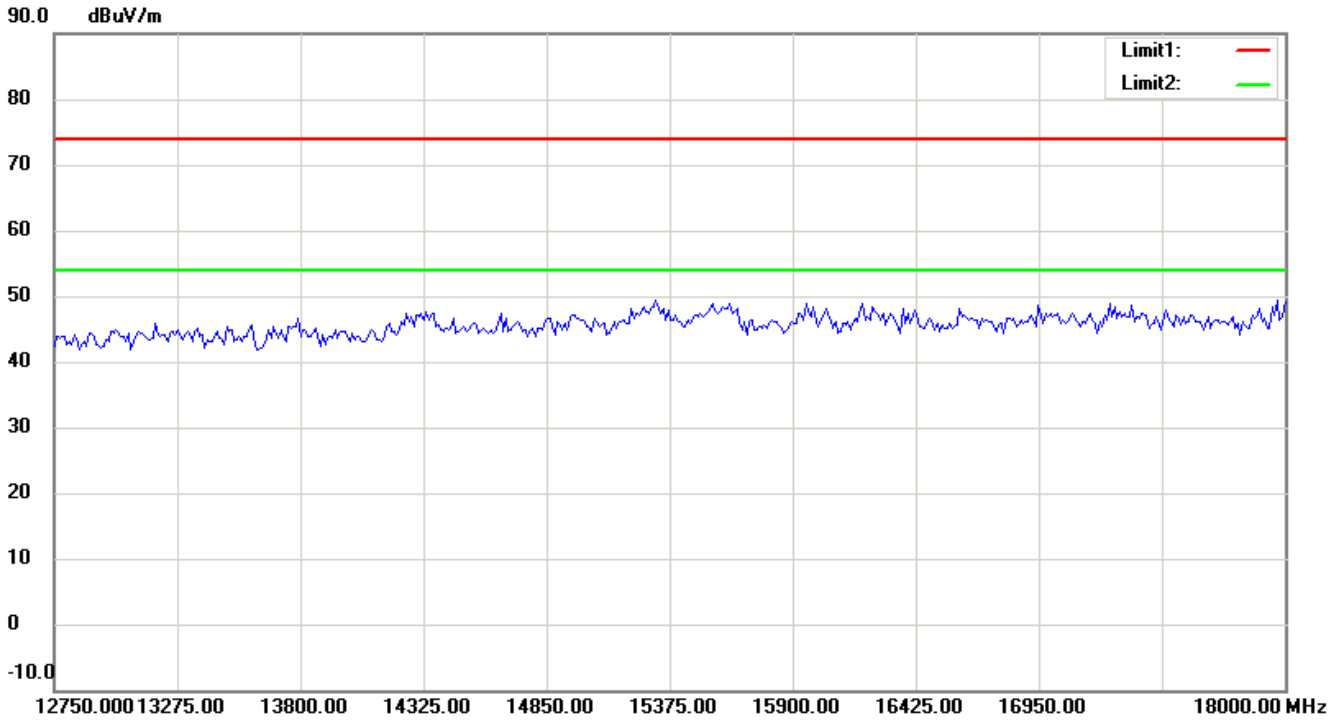
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

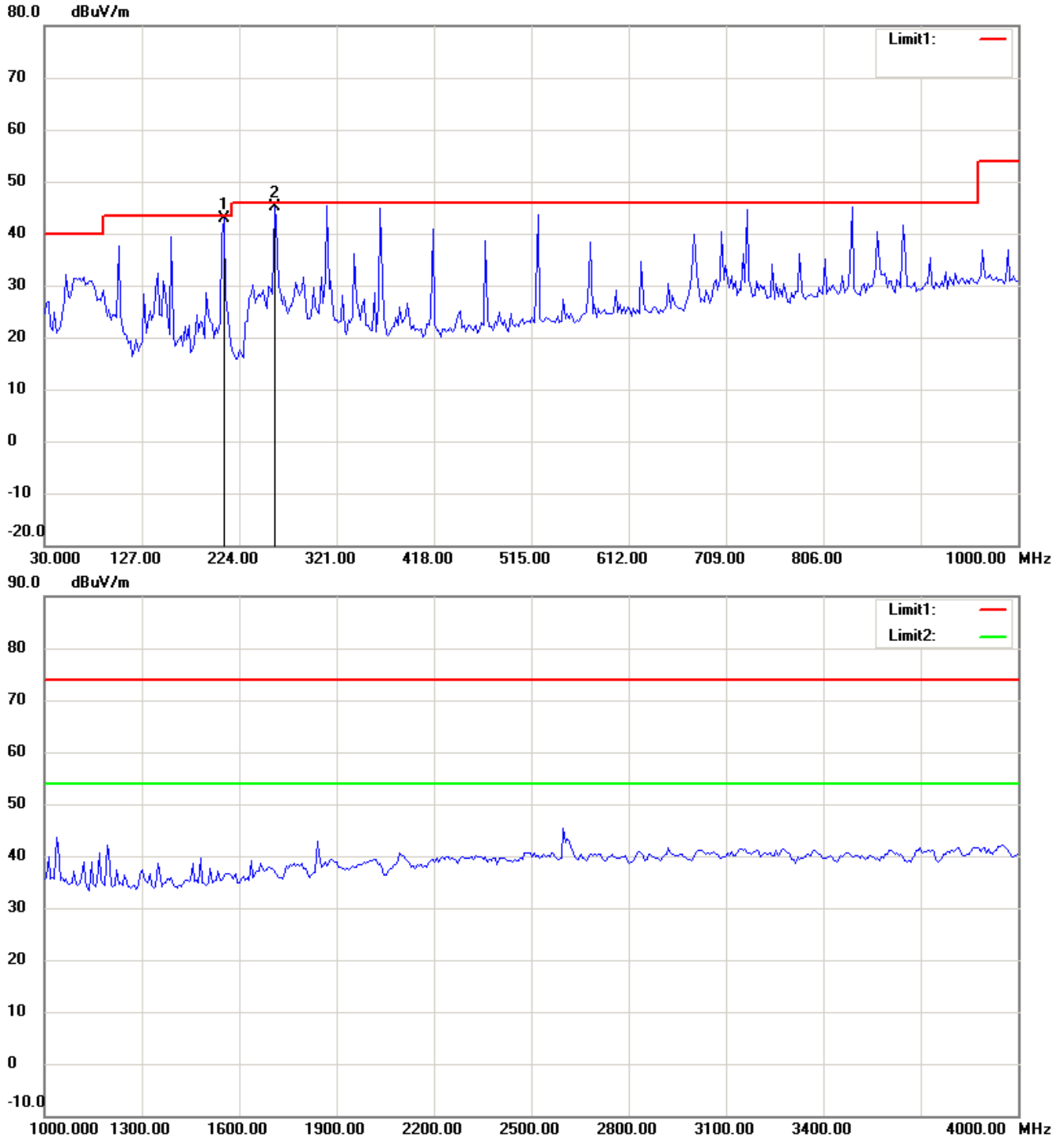
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11n 40MHz CH1 Antenna Polarization H



Up Line: Peak Limit Line Down Line: Ave Limit Line

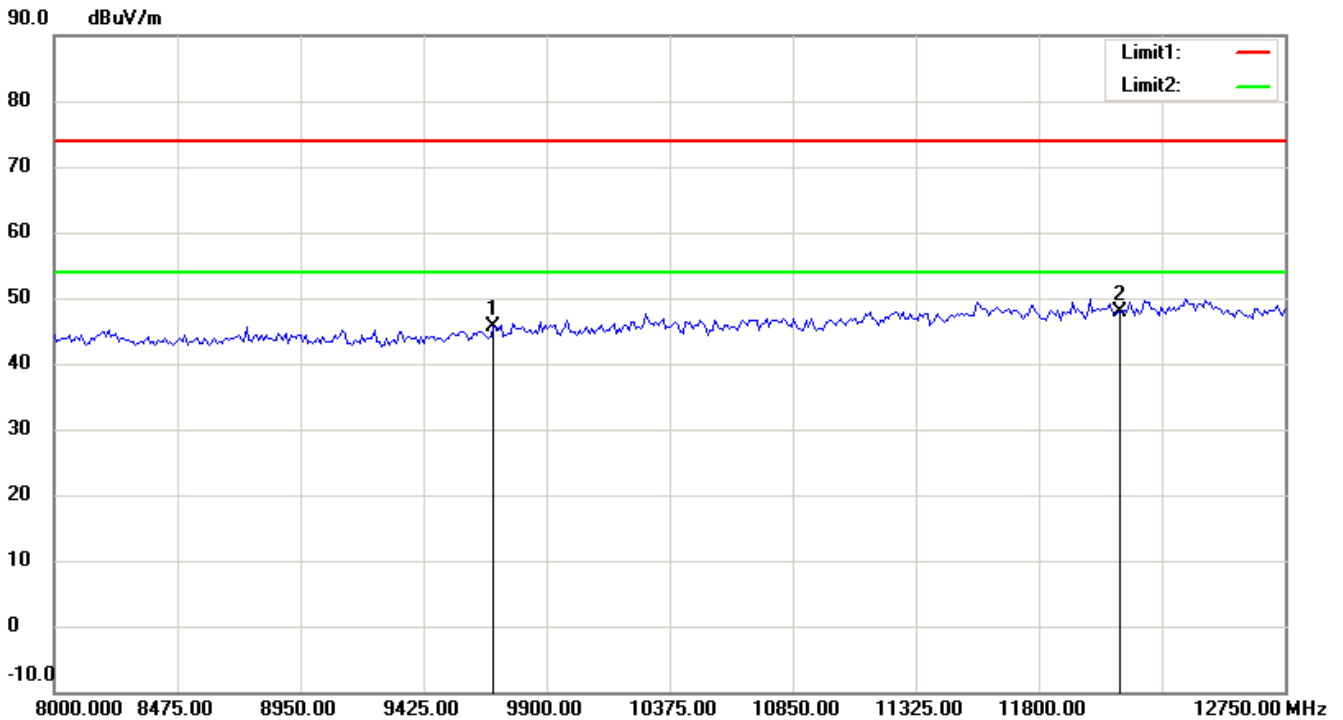
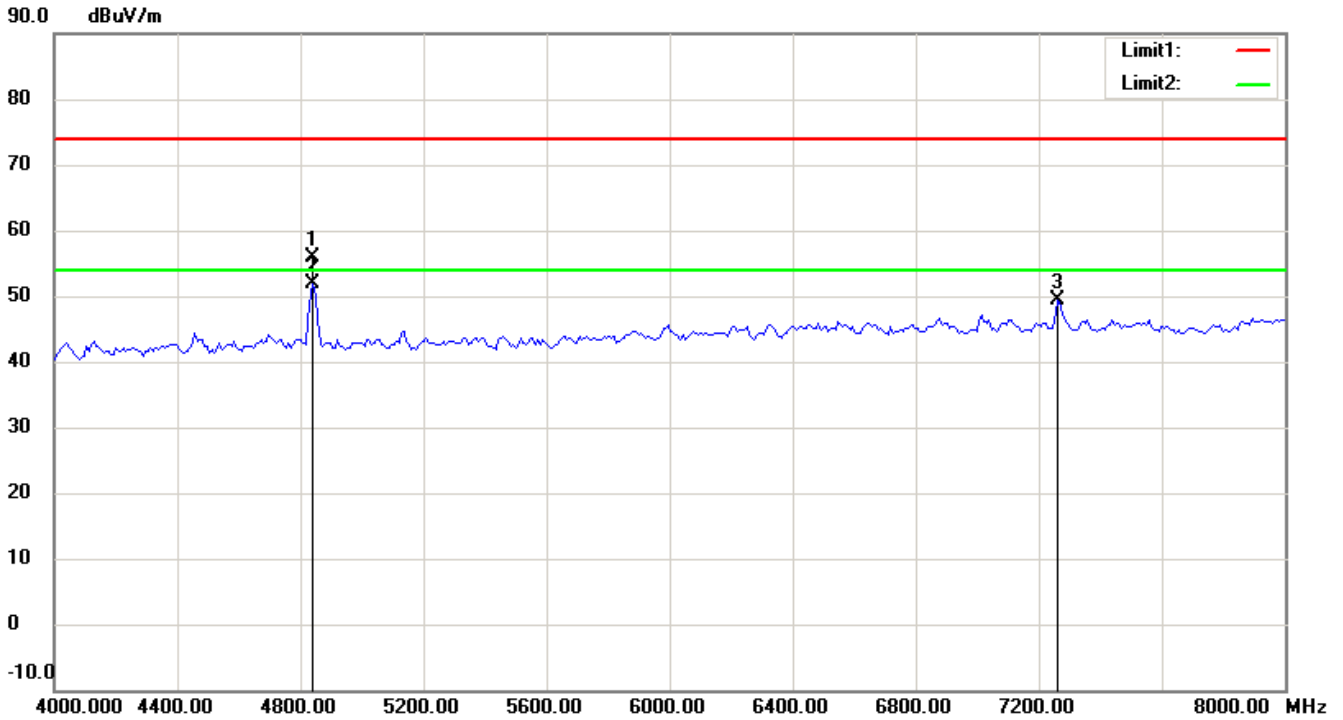
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

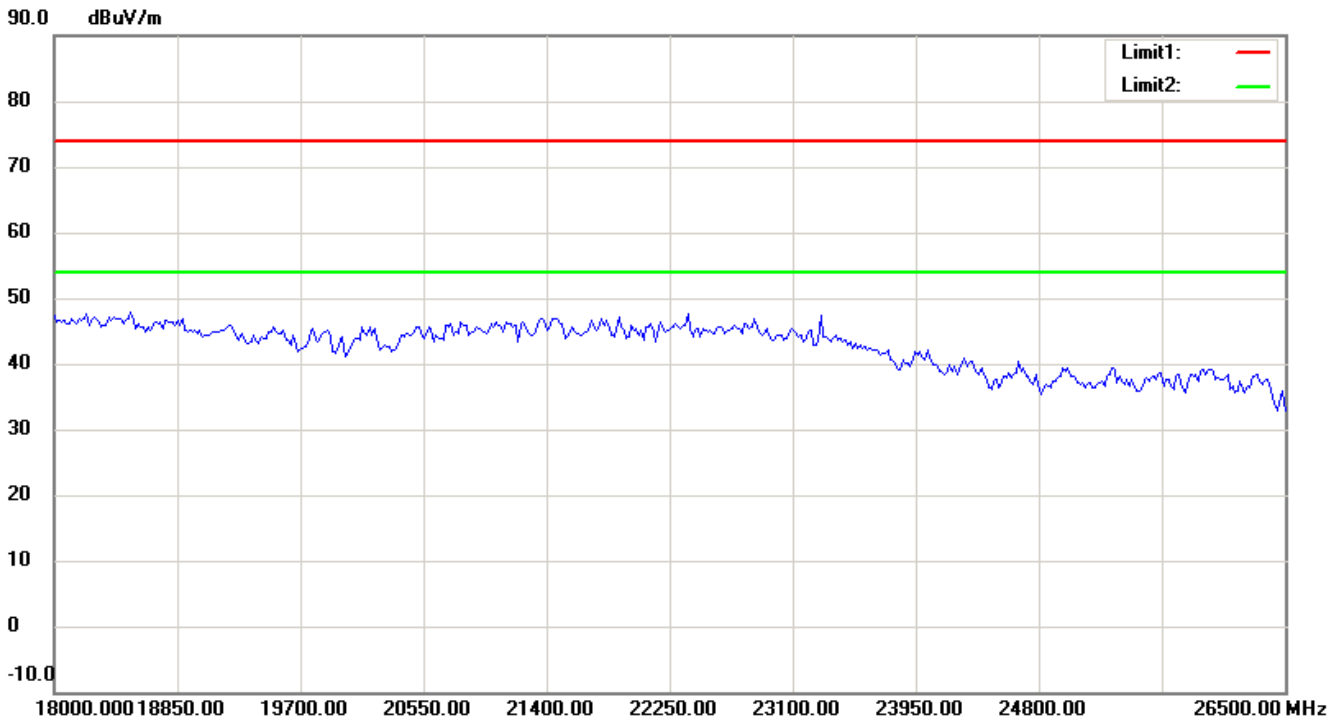
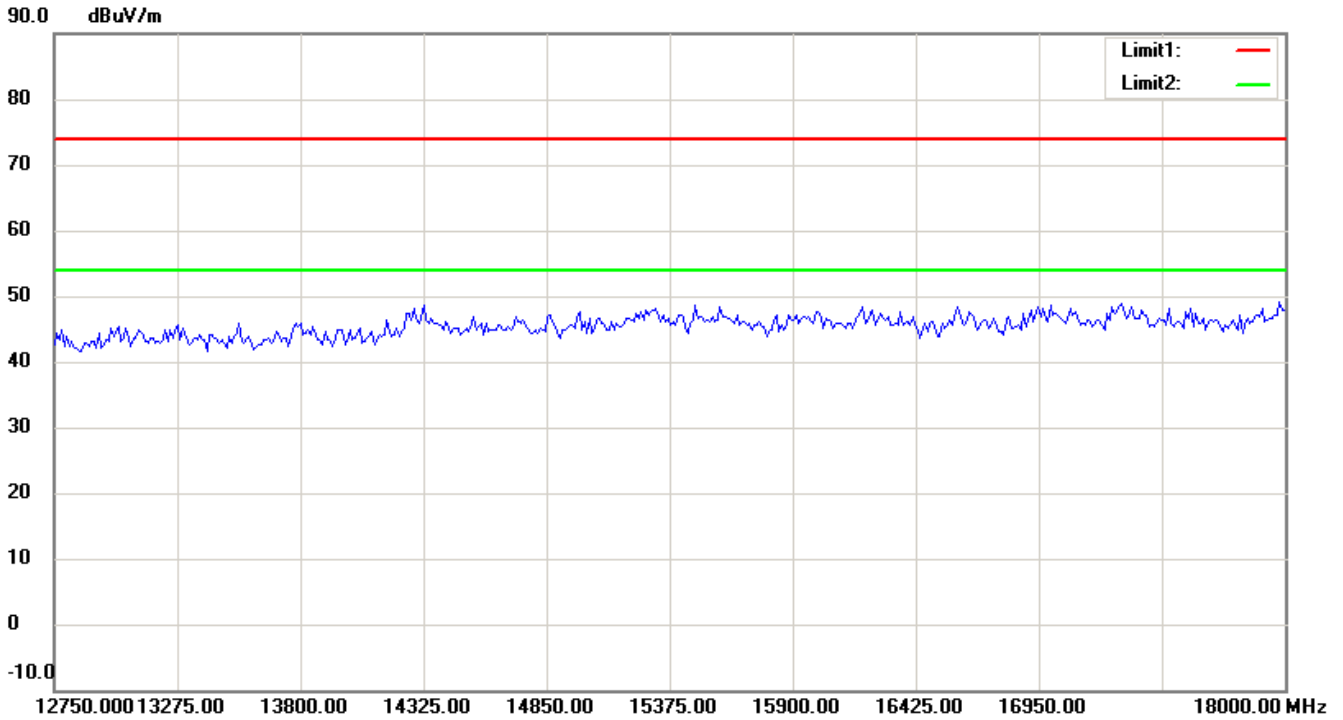
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

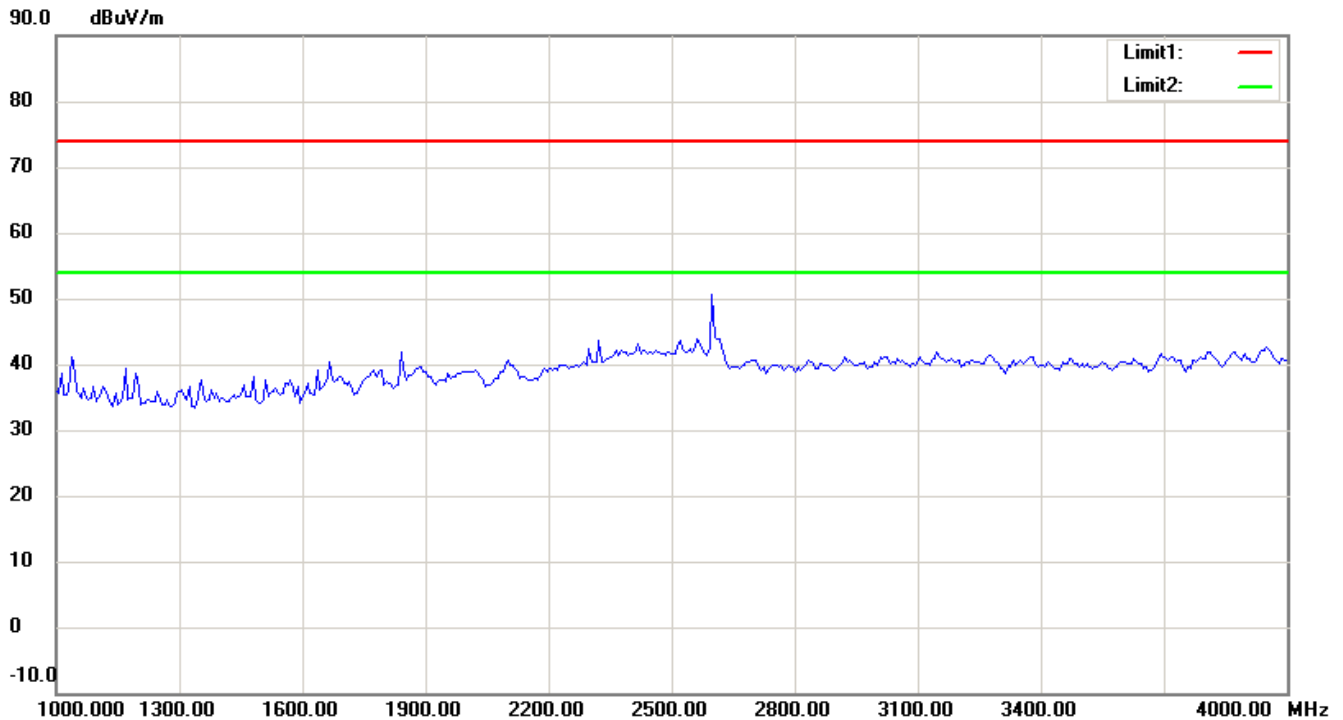
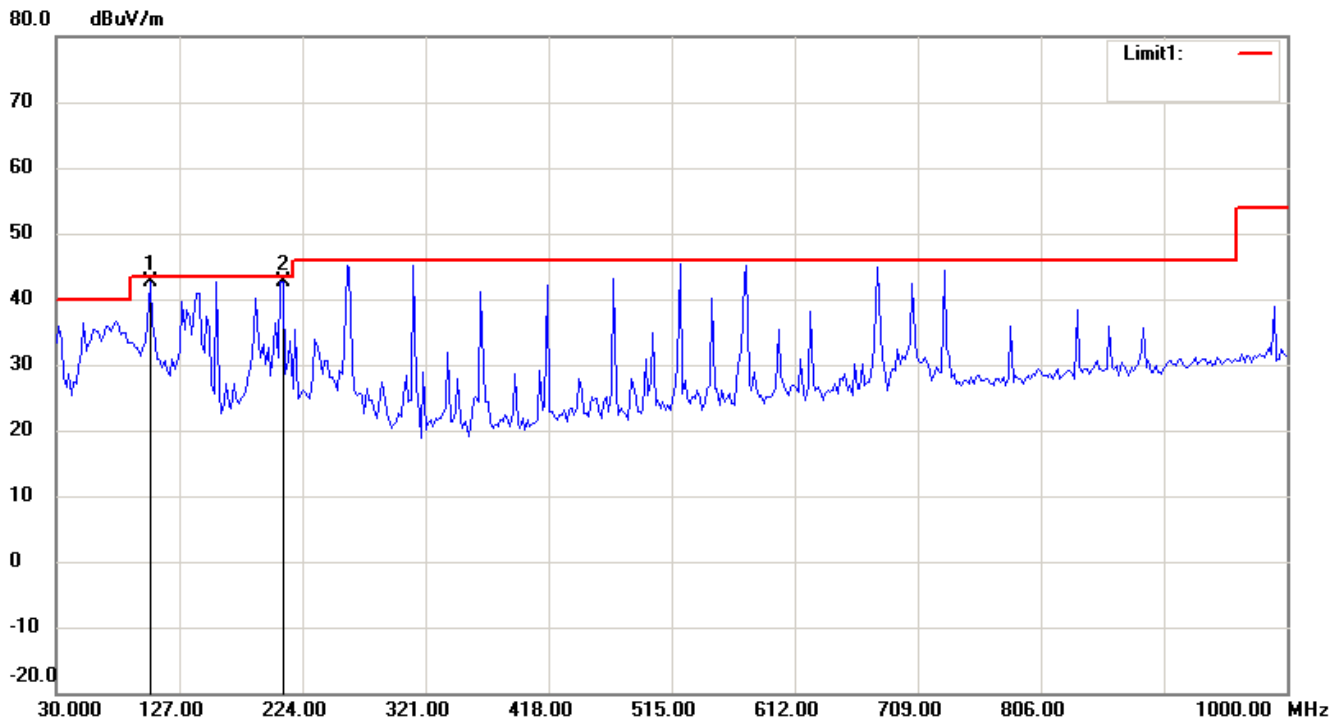
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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





Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



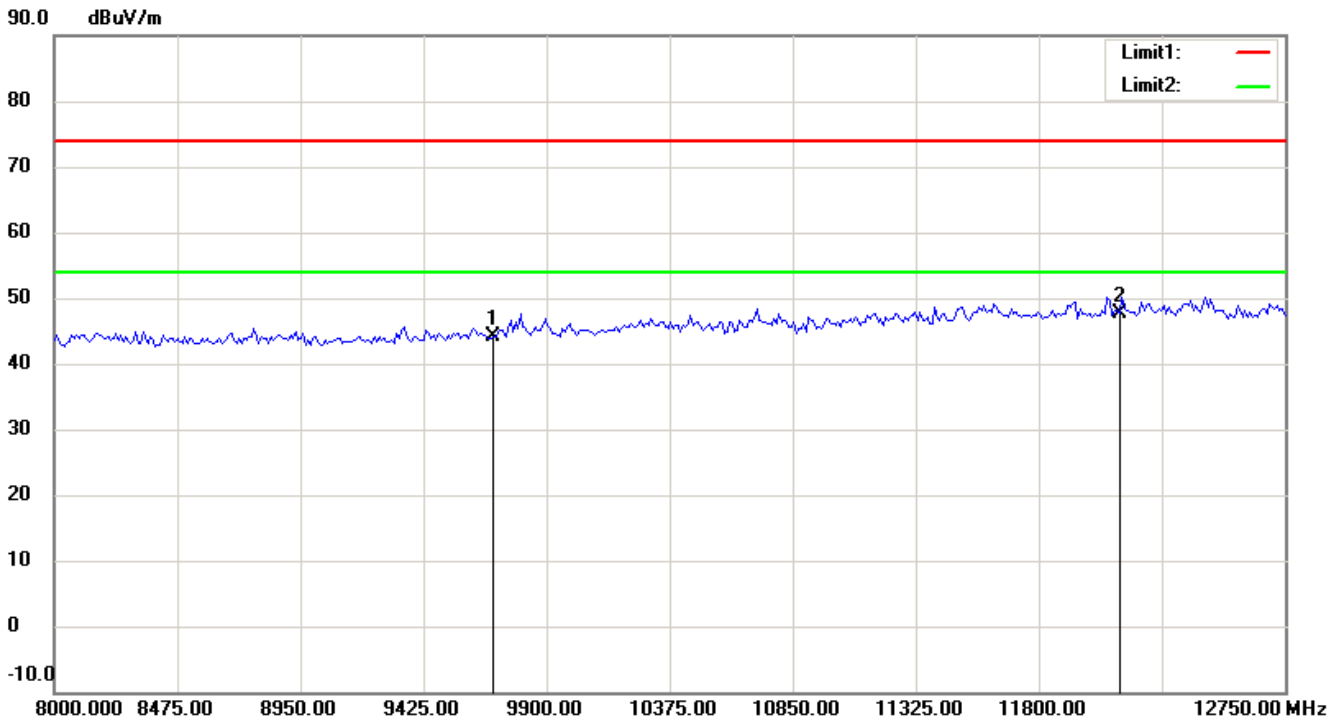
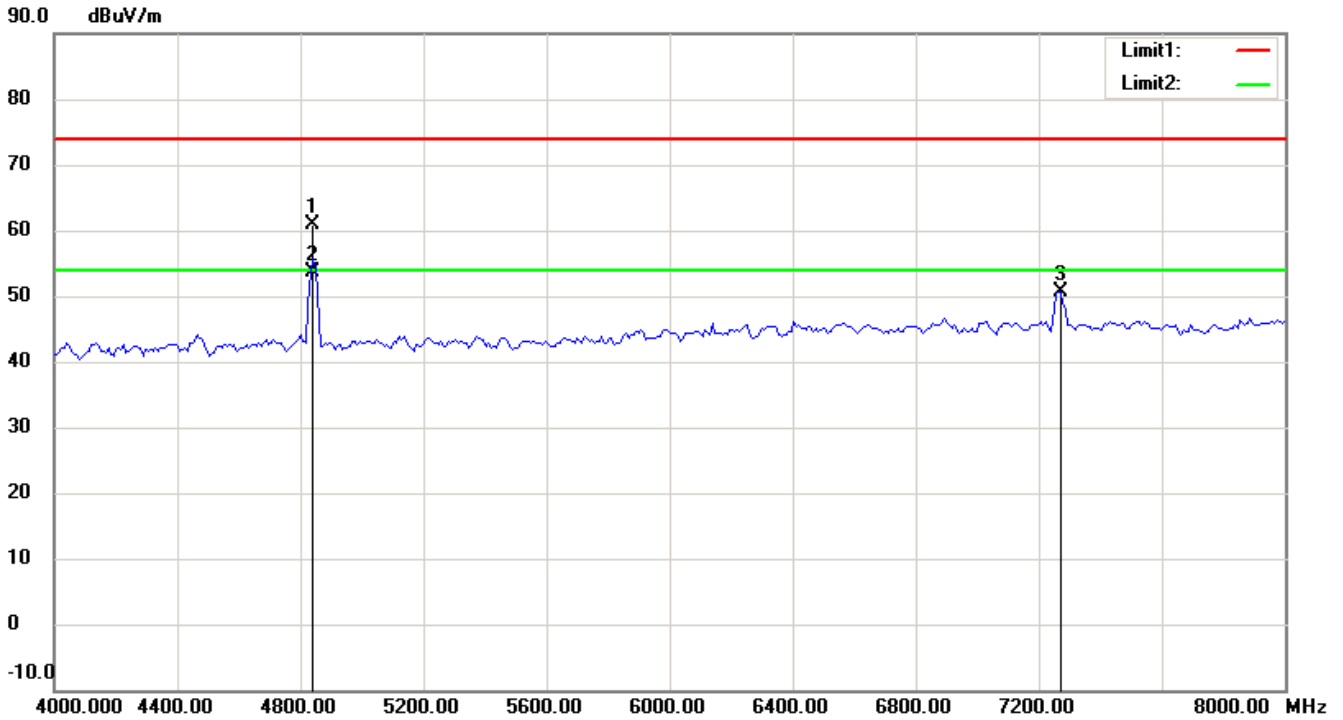
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

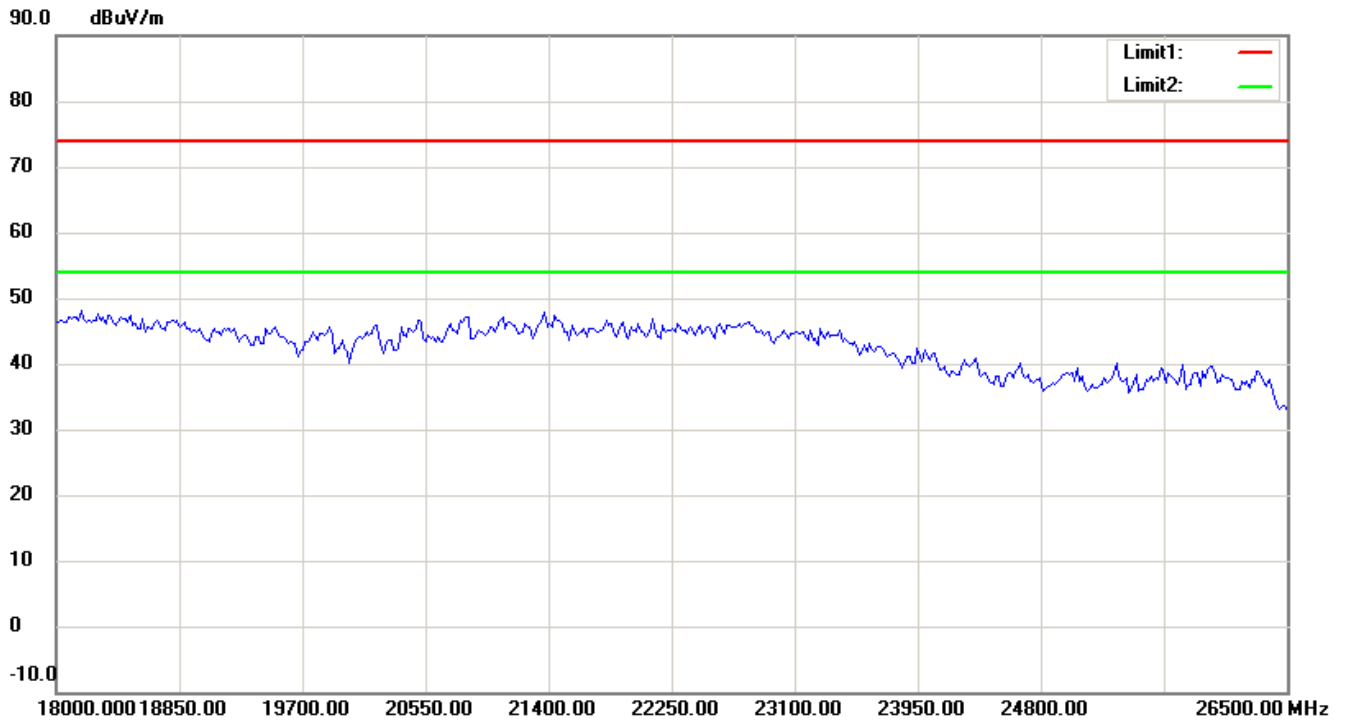
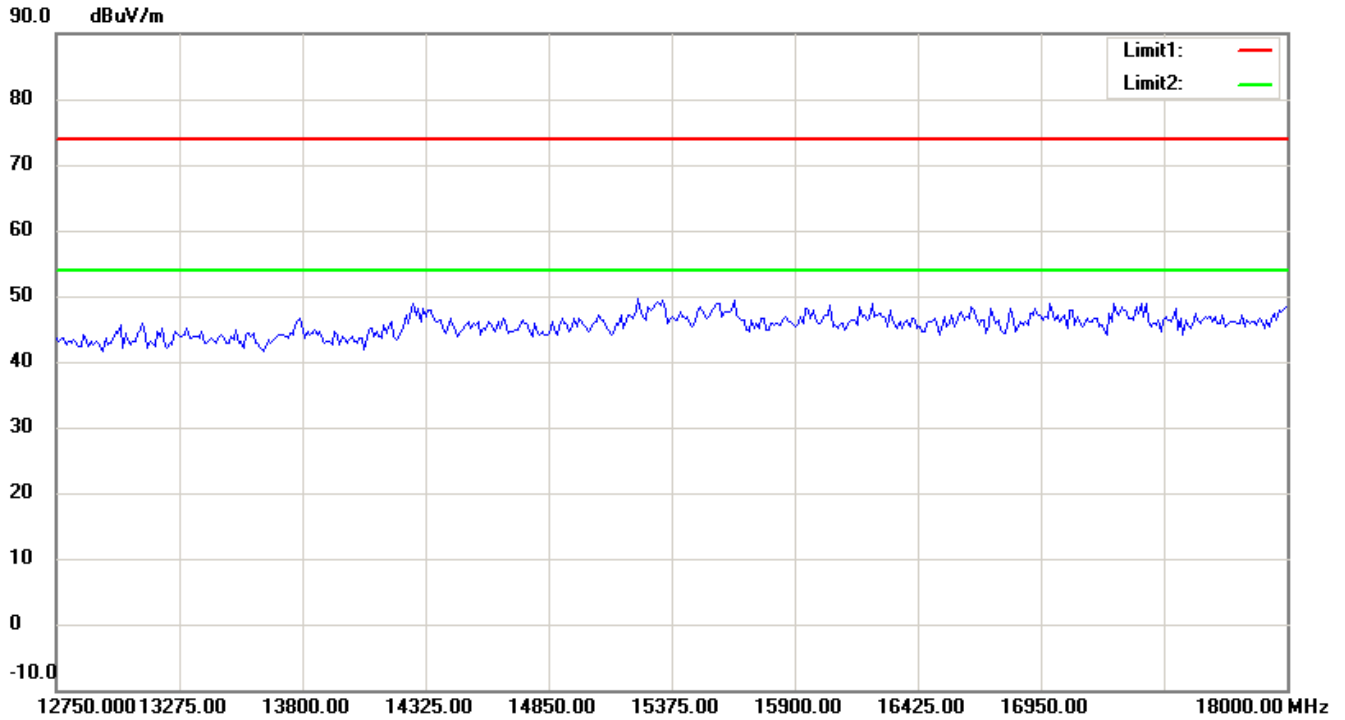
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

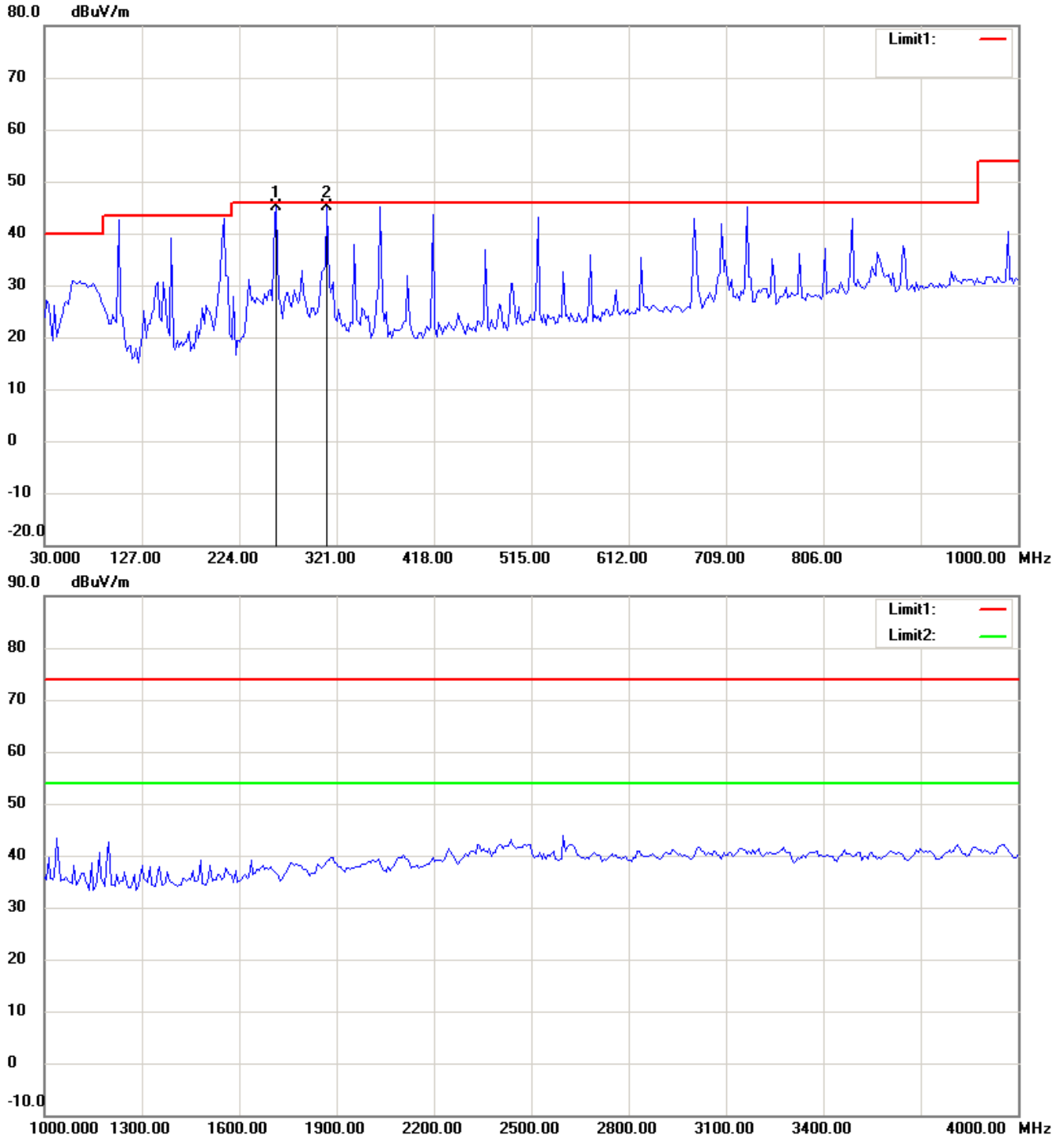
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11n 40MHz CH4 Antenna Polarization H



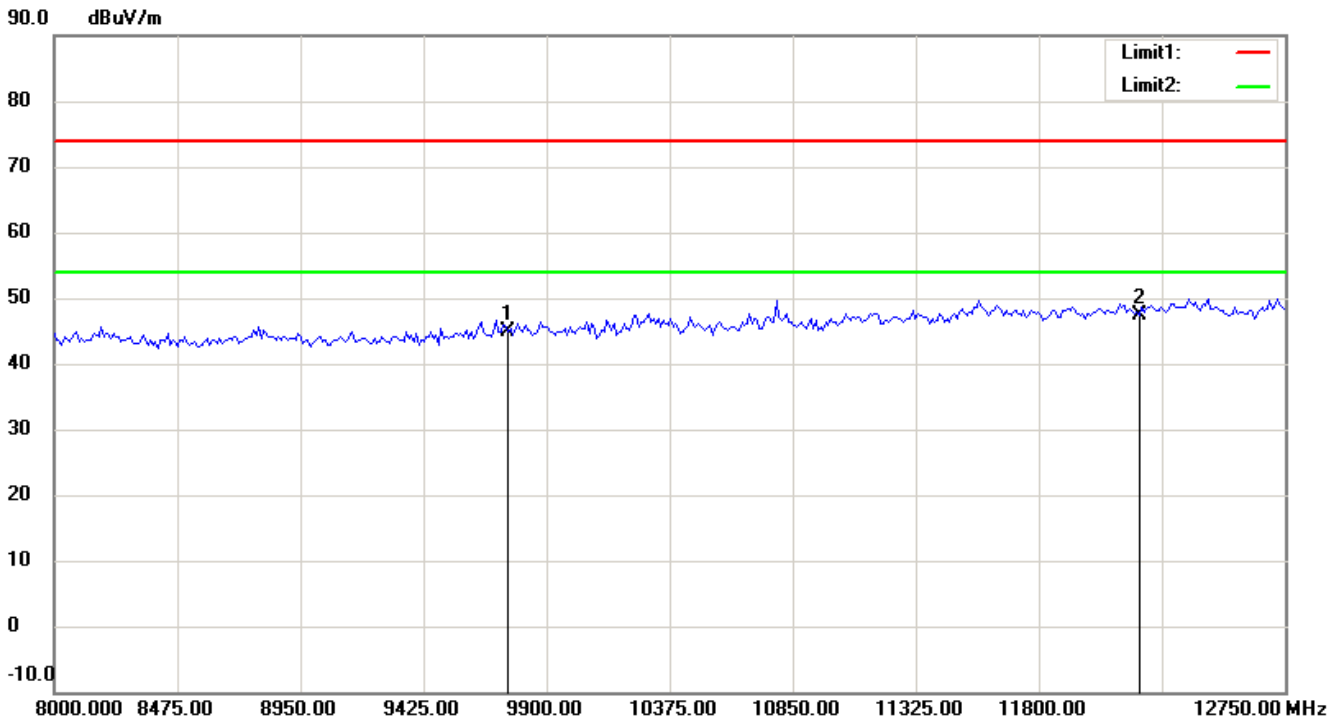
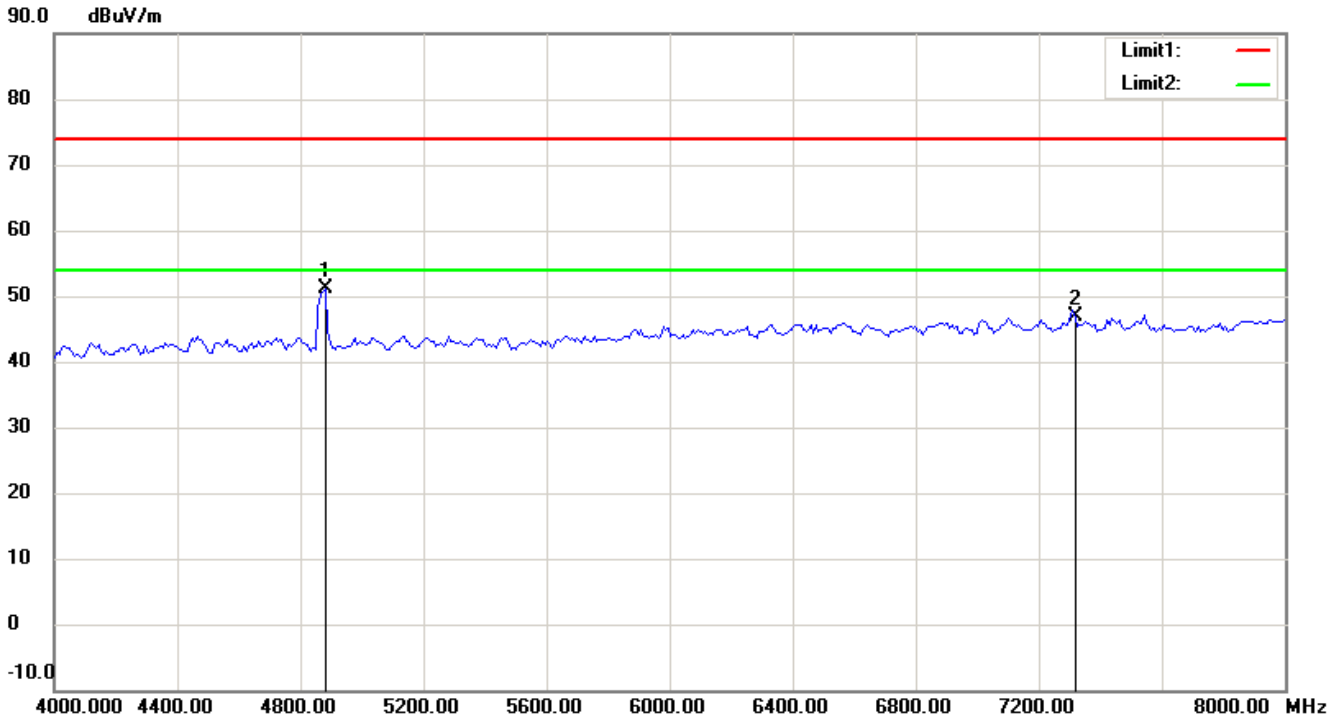
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

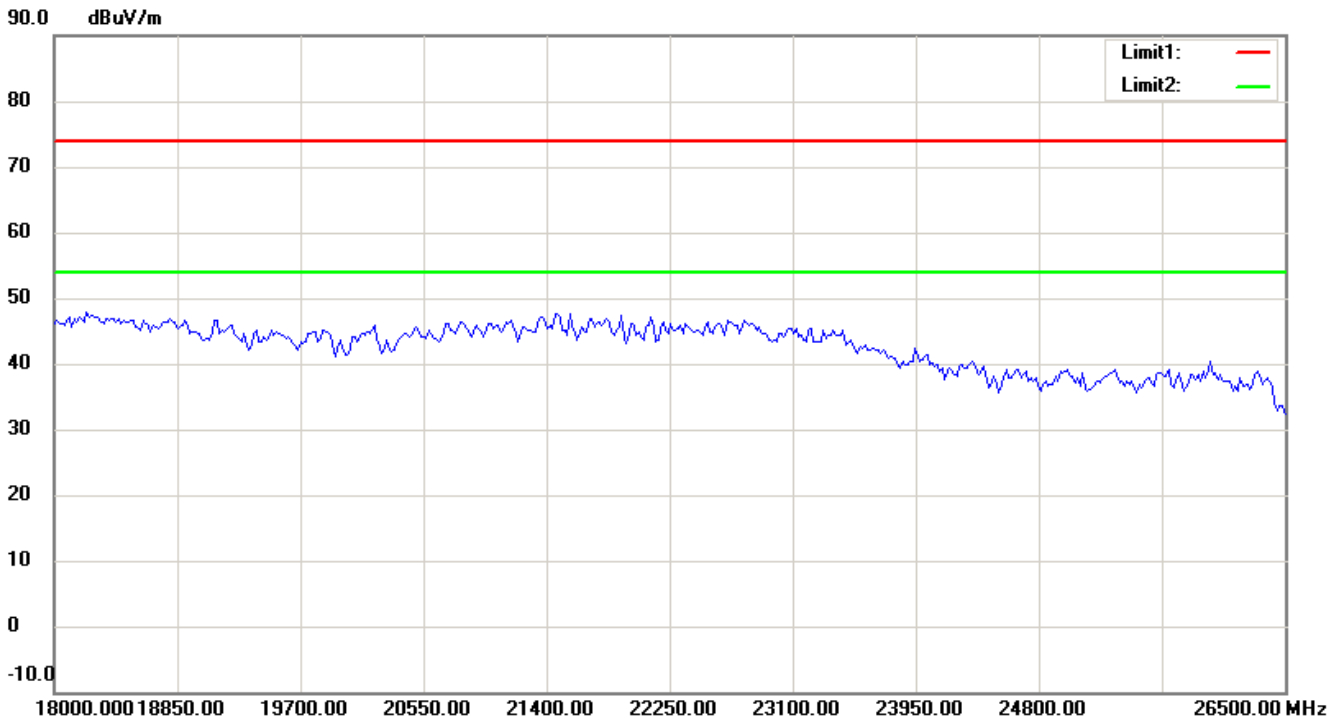
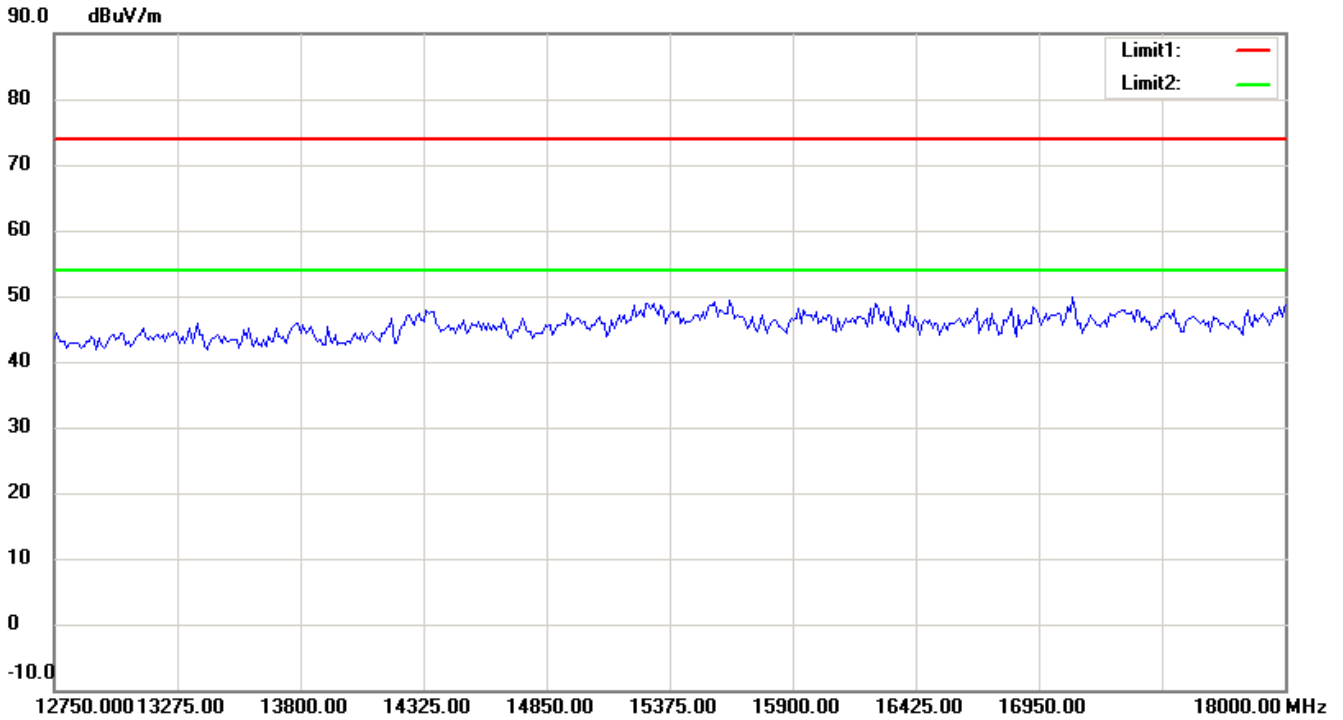
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

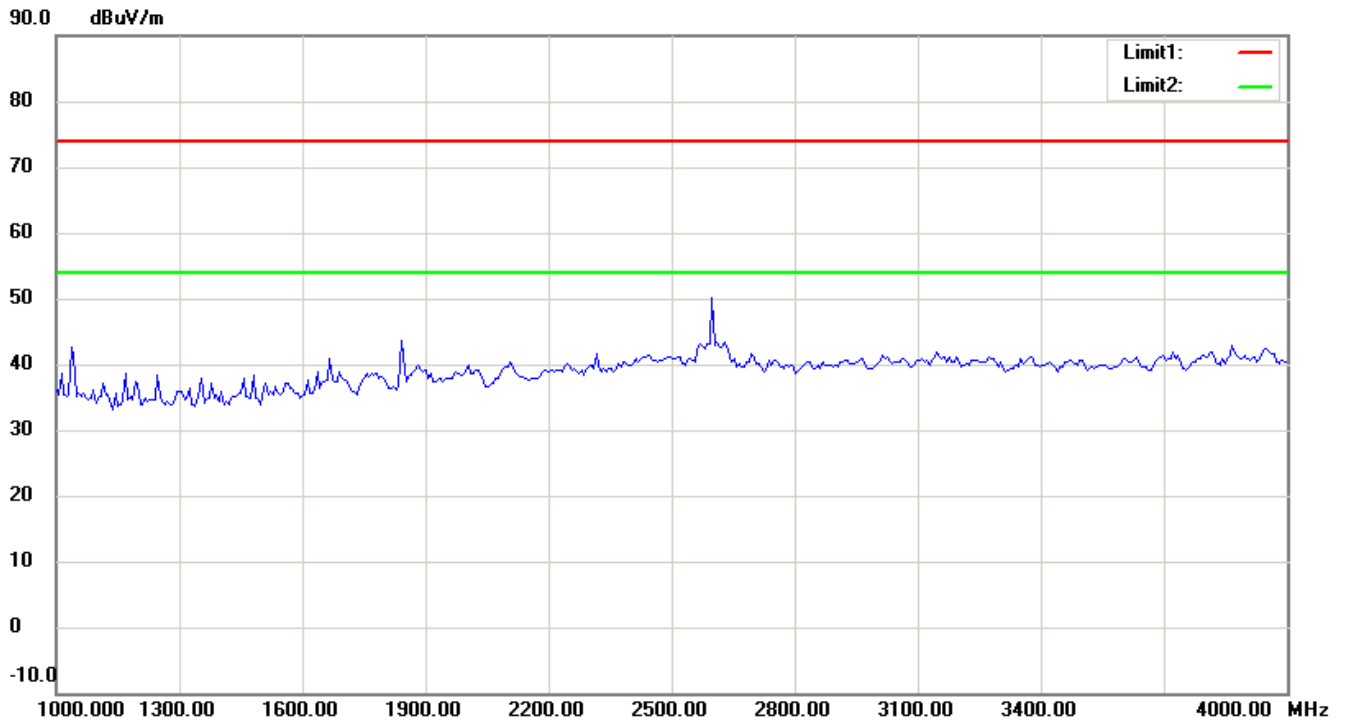
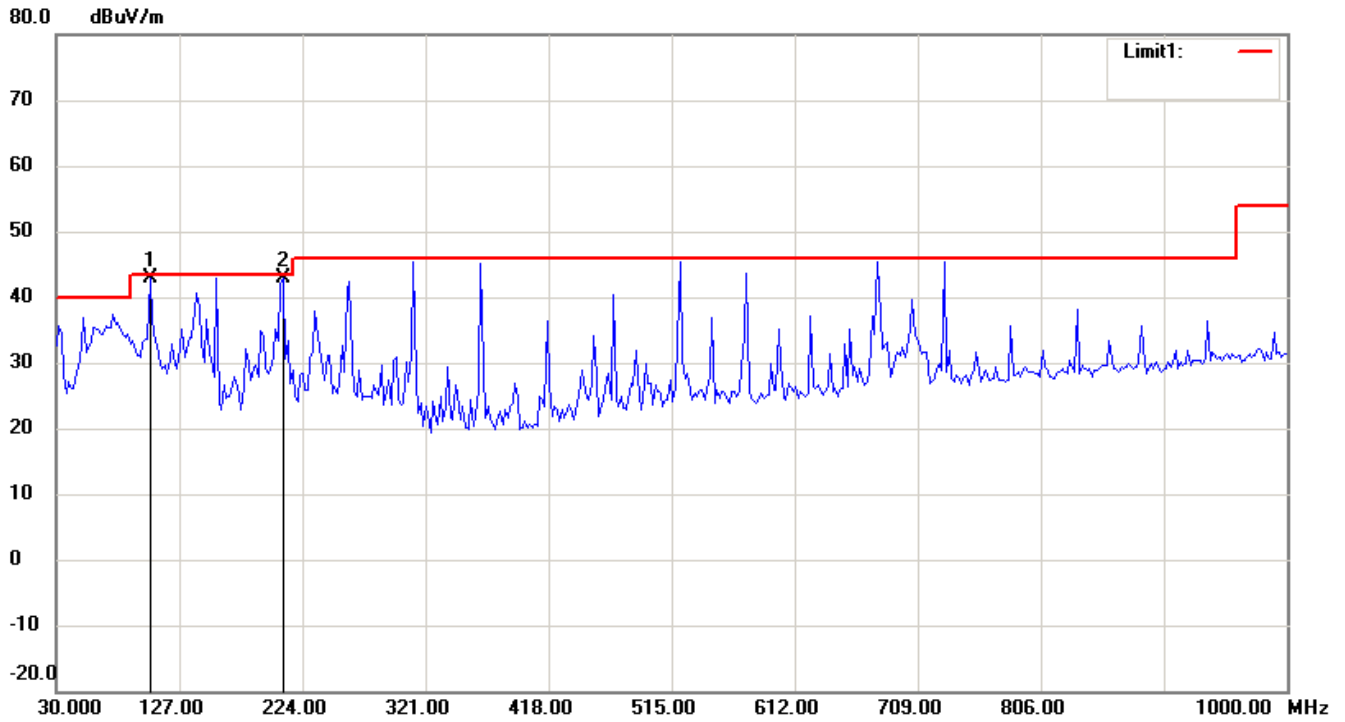
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



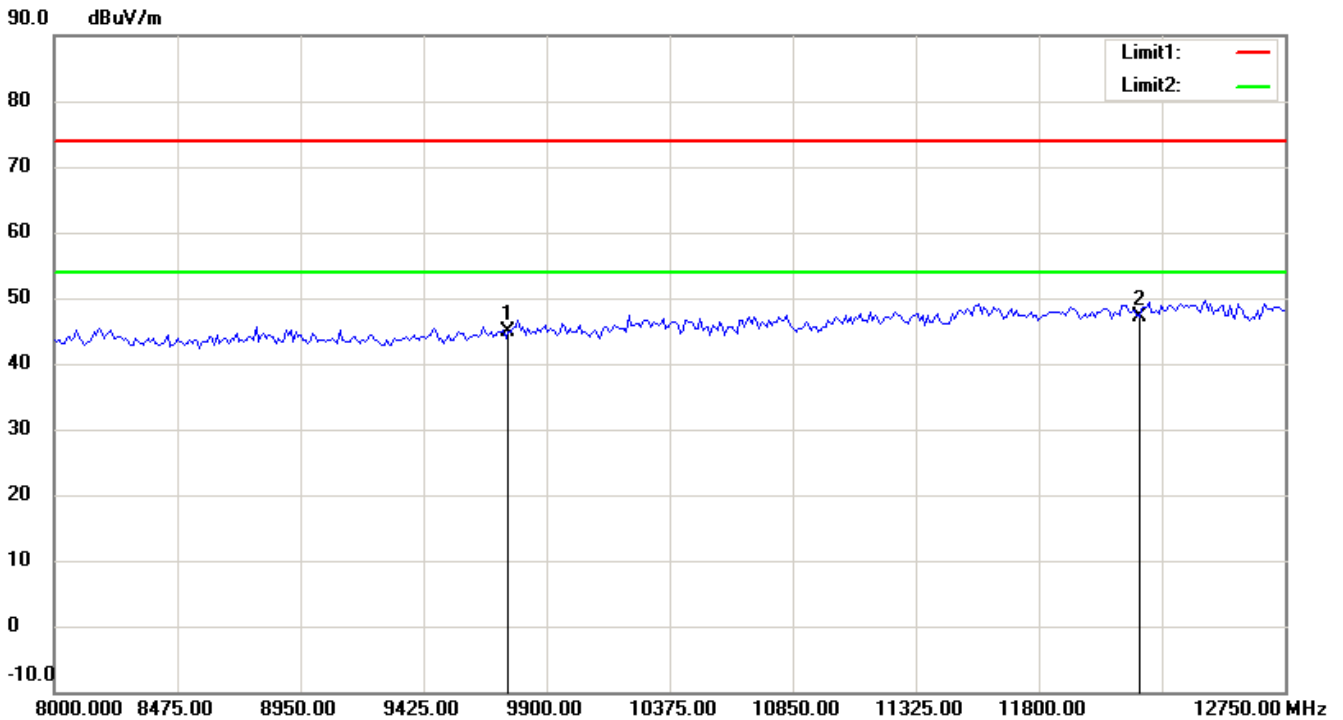
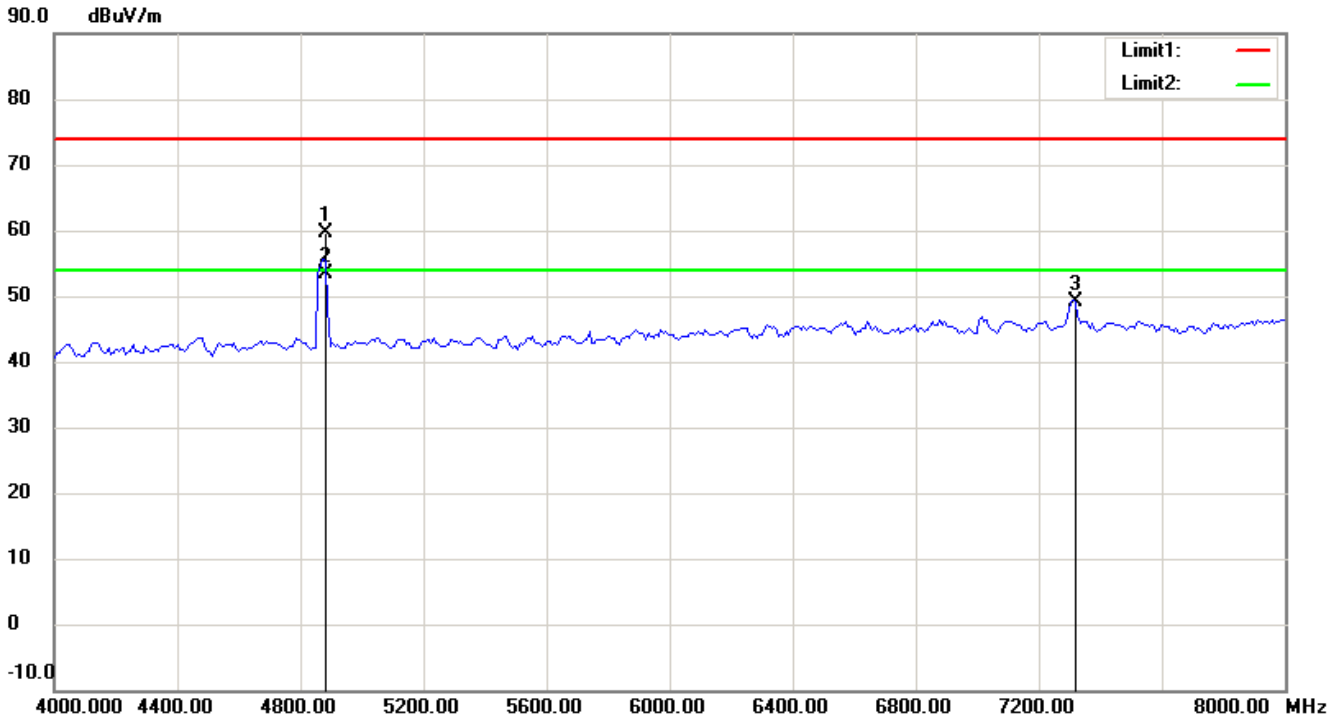
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

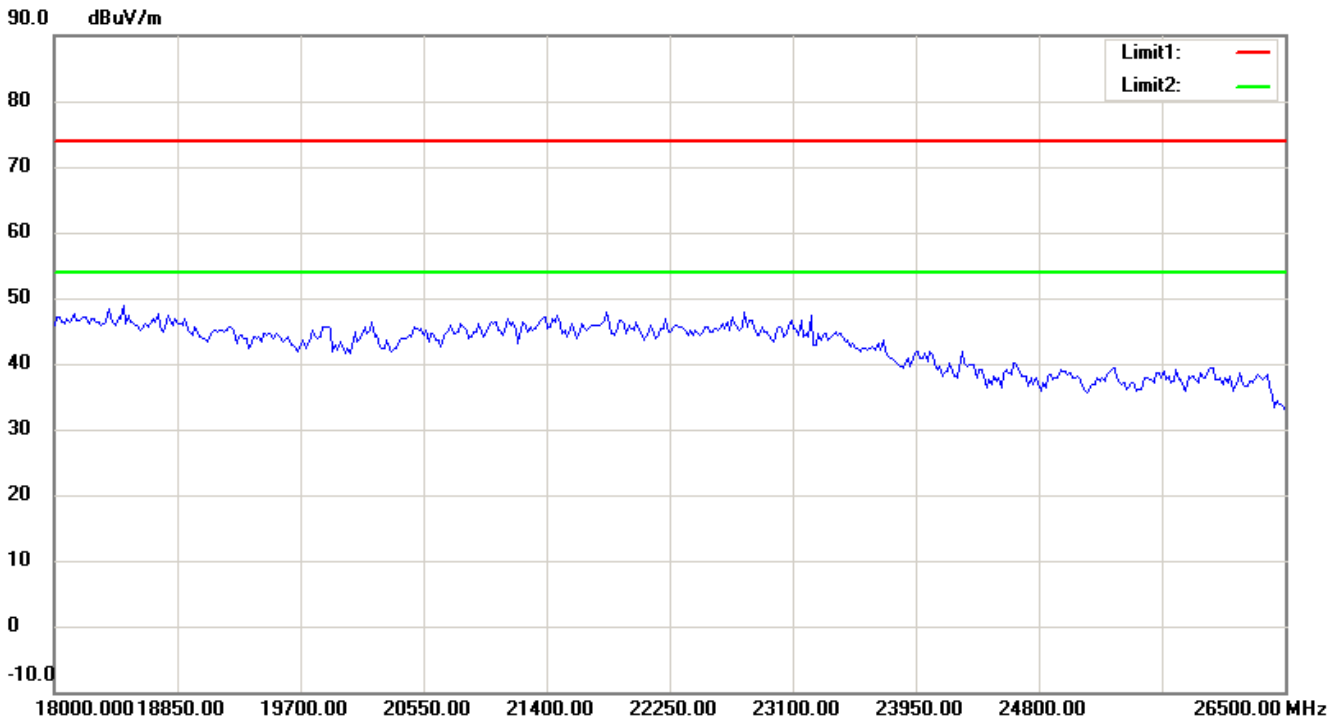
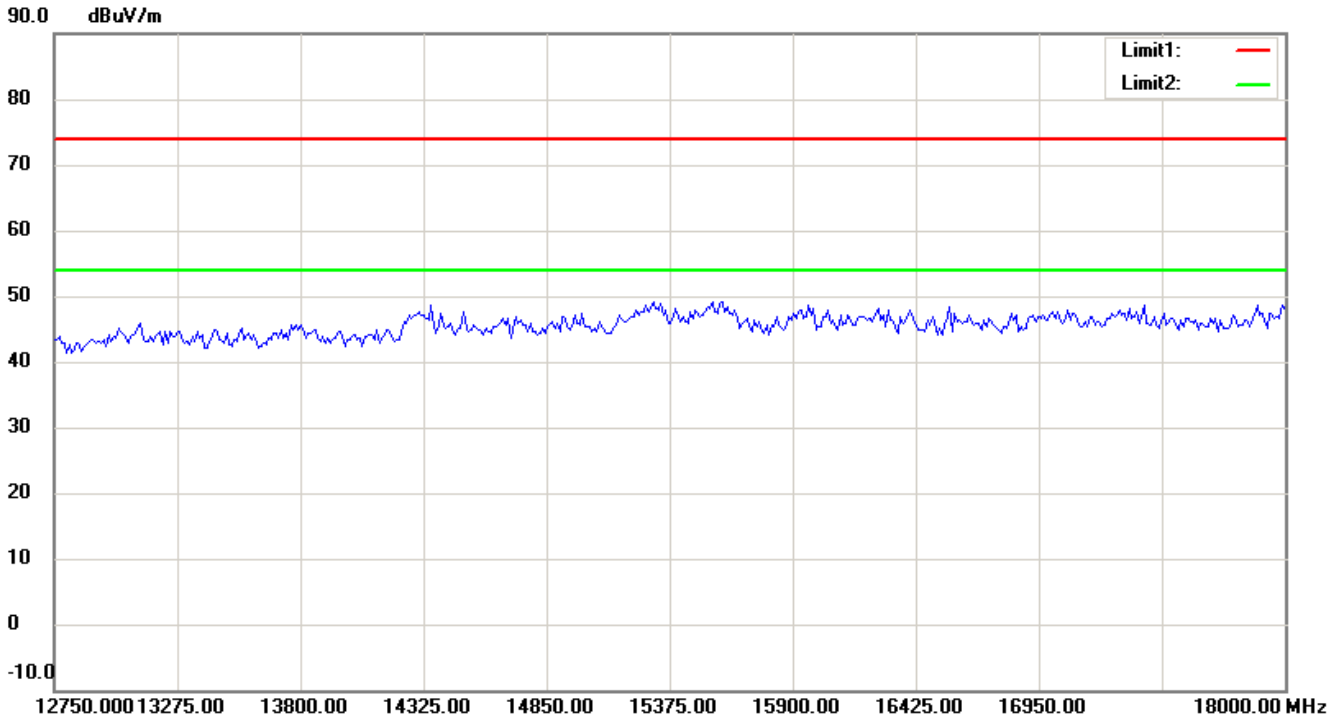
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification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





# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

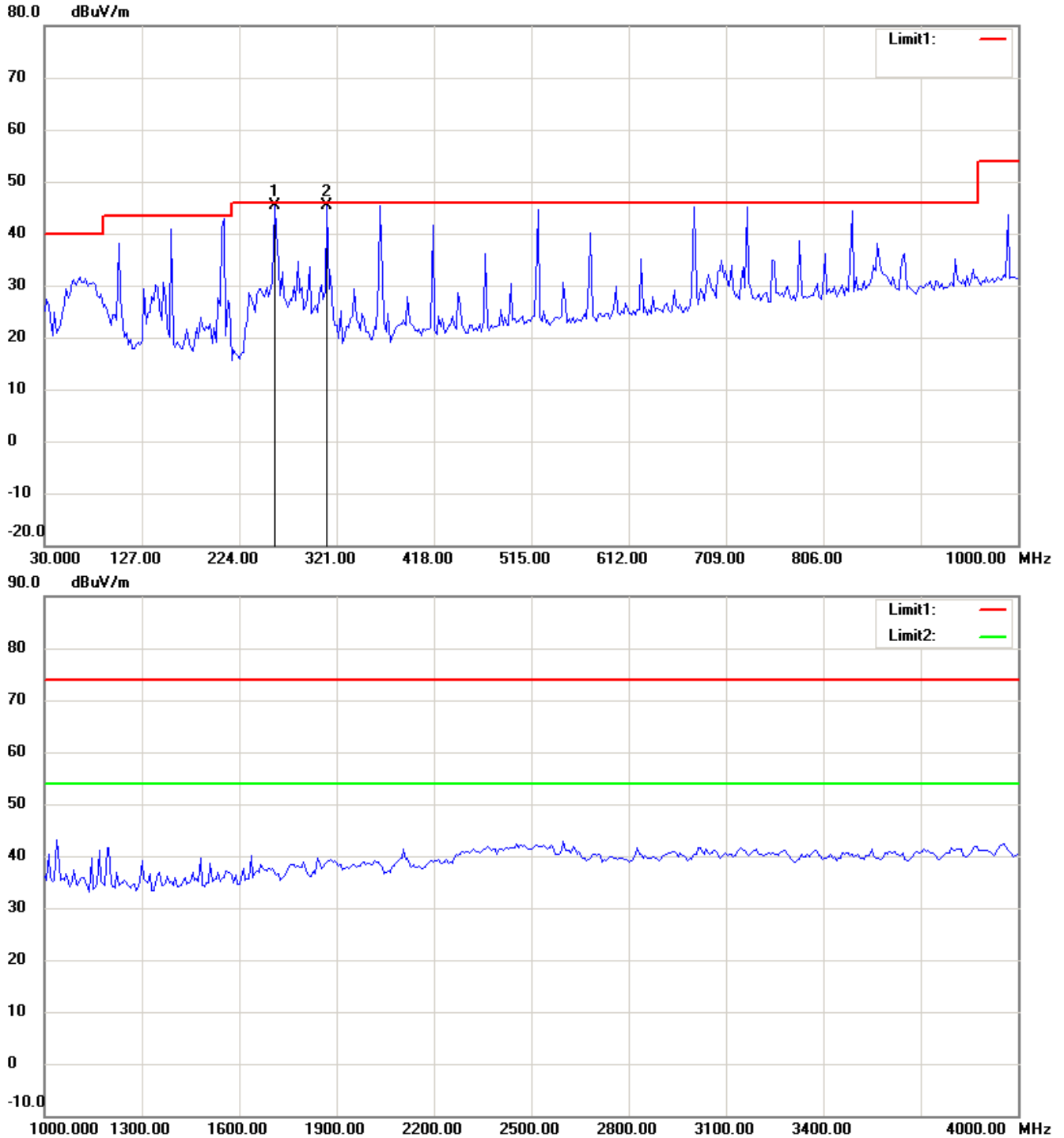
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## 802.11n 40MHz CH7 Antenna Polarization H



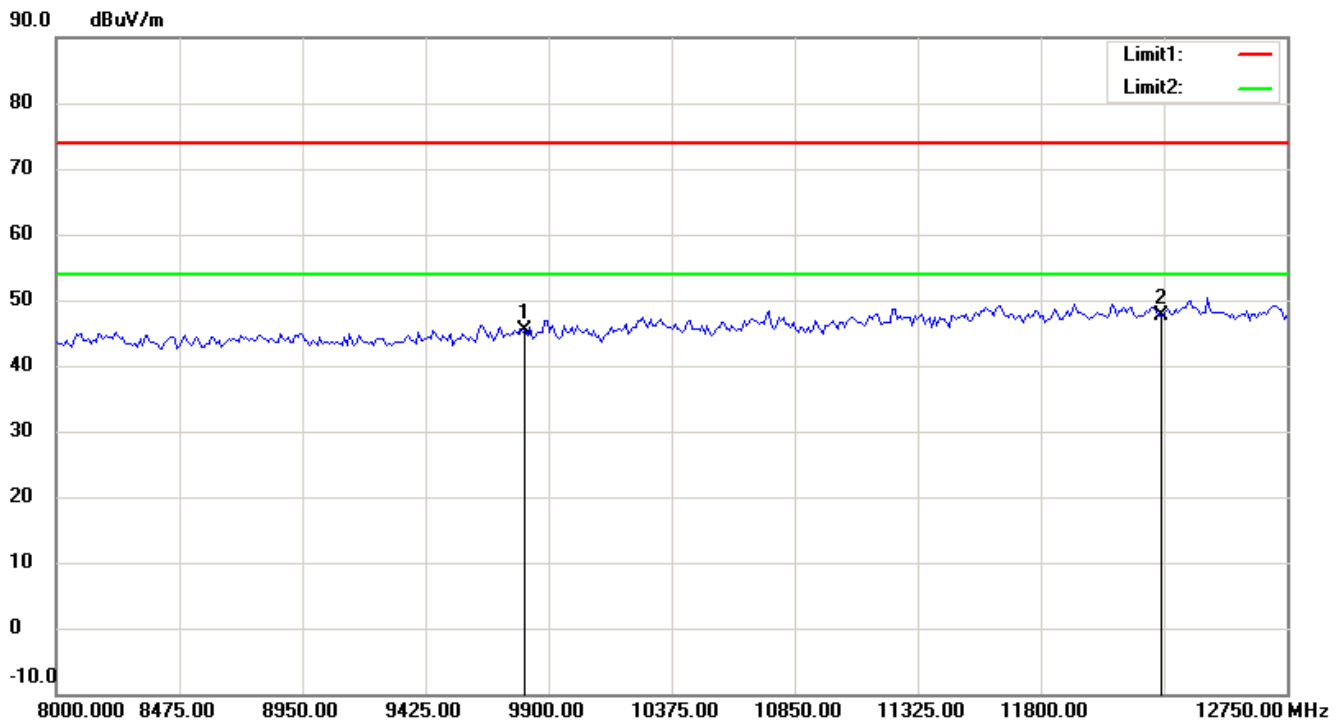
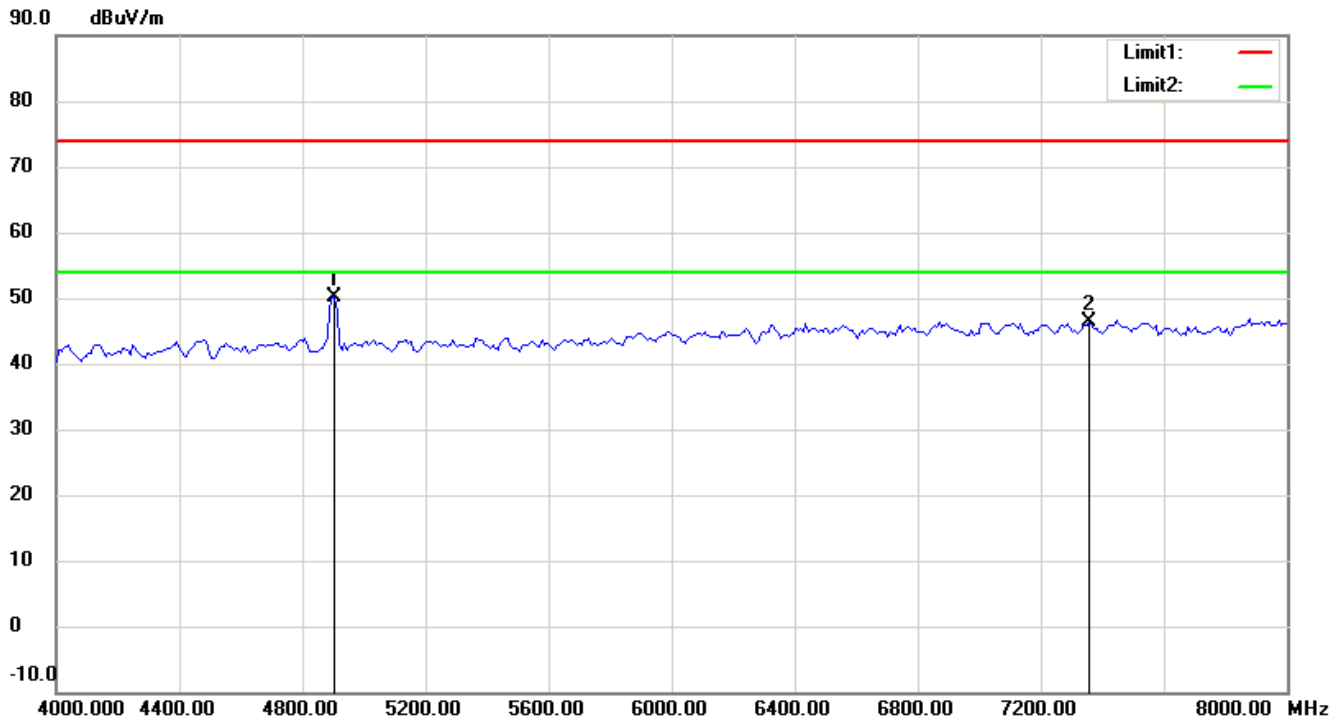
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

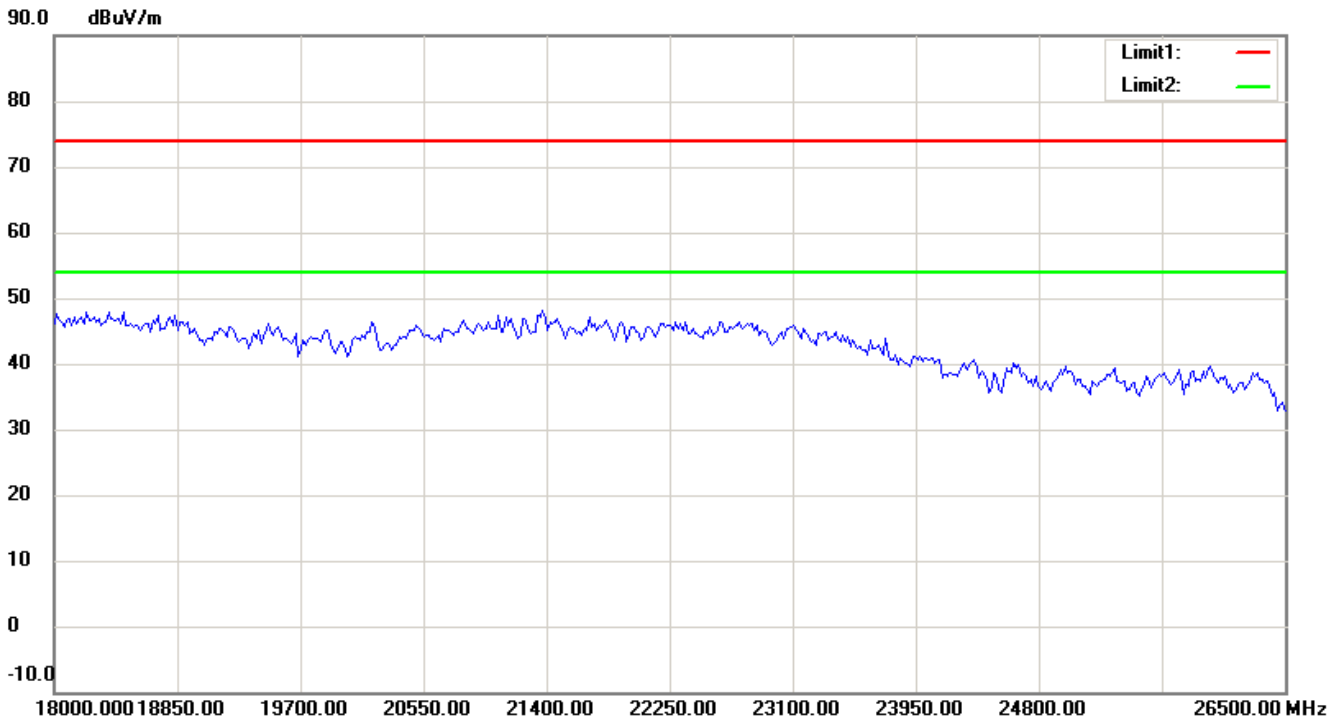
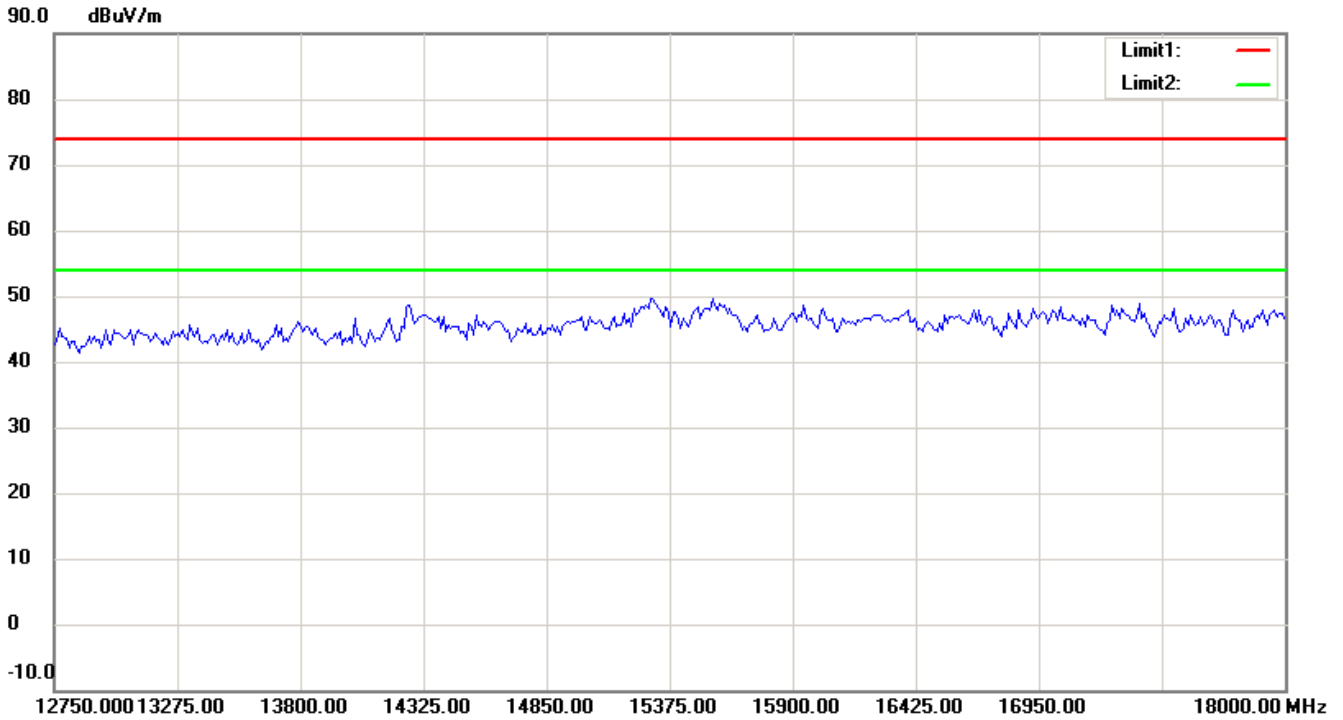
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

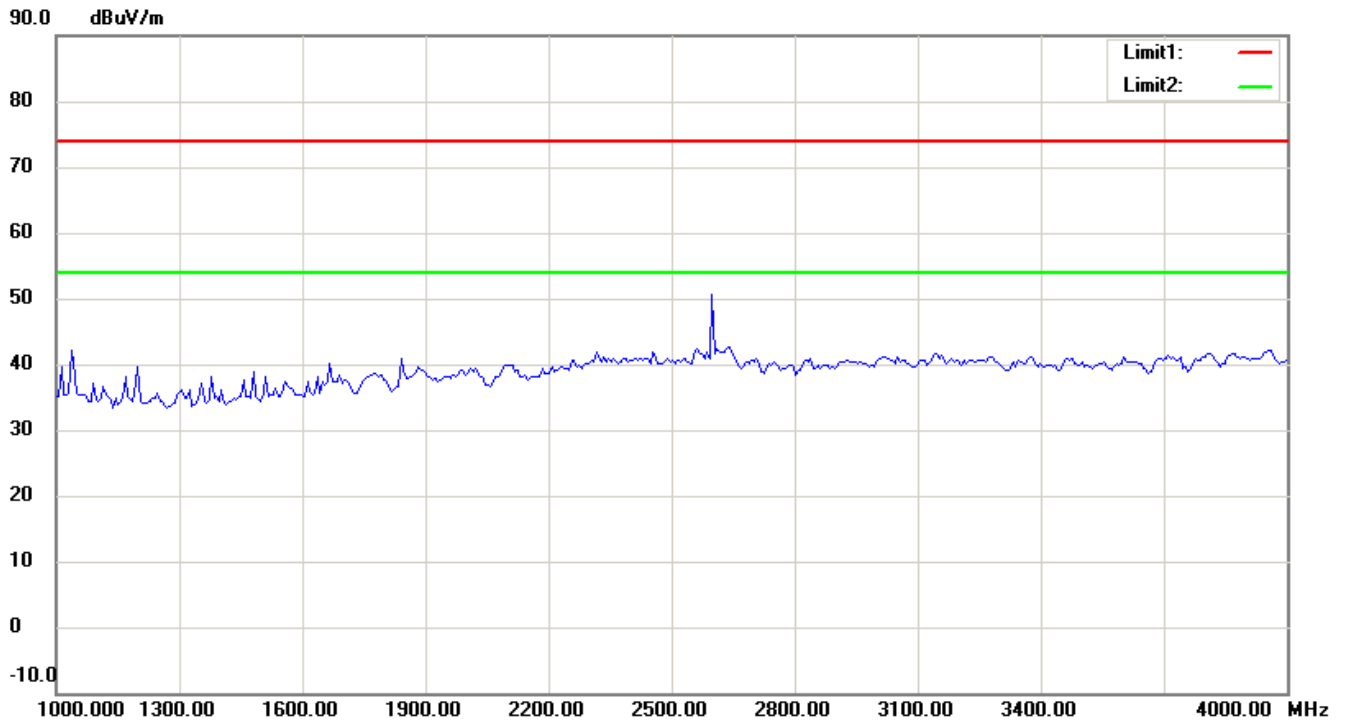
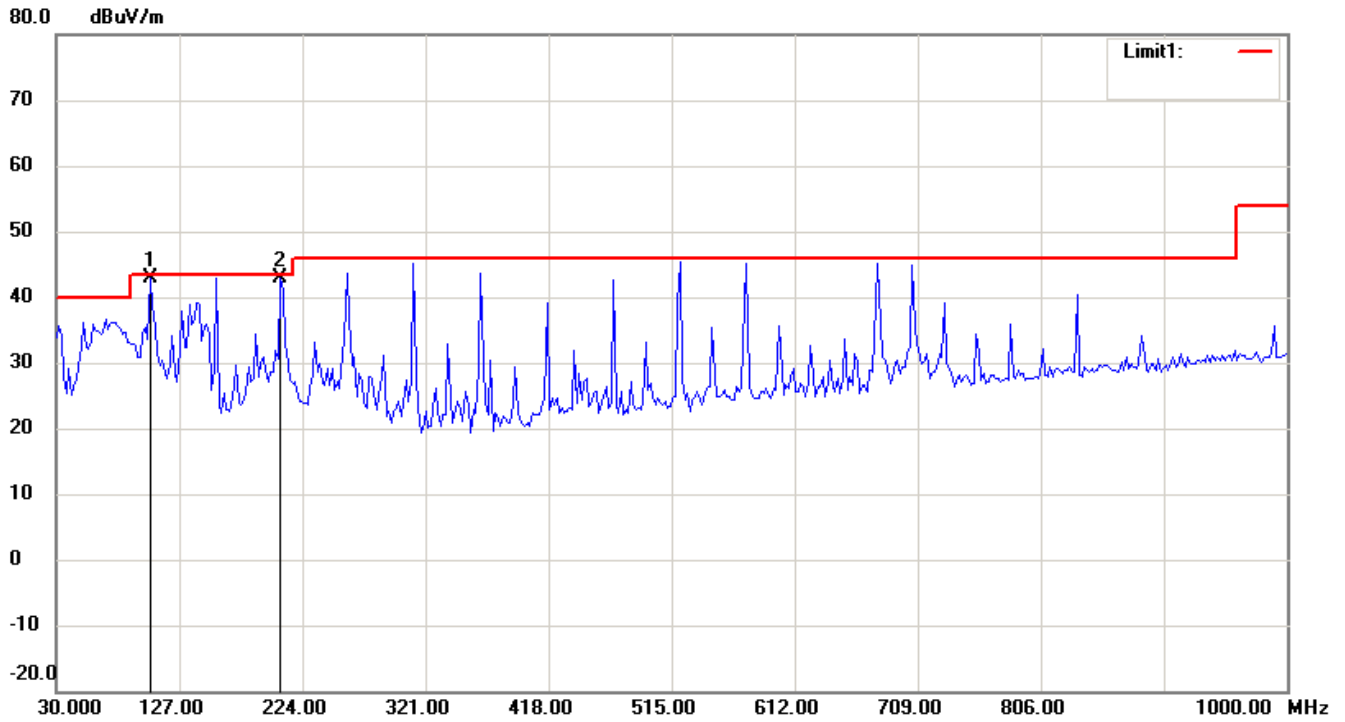
Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2

## Antenna Polarization V



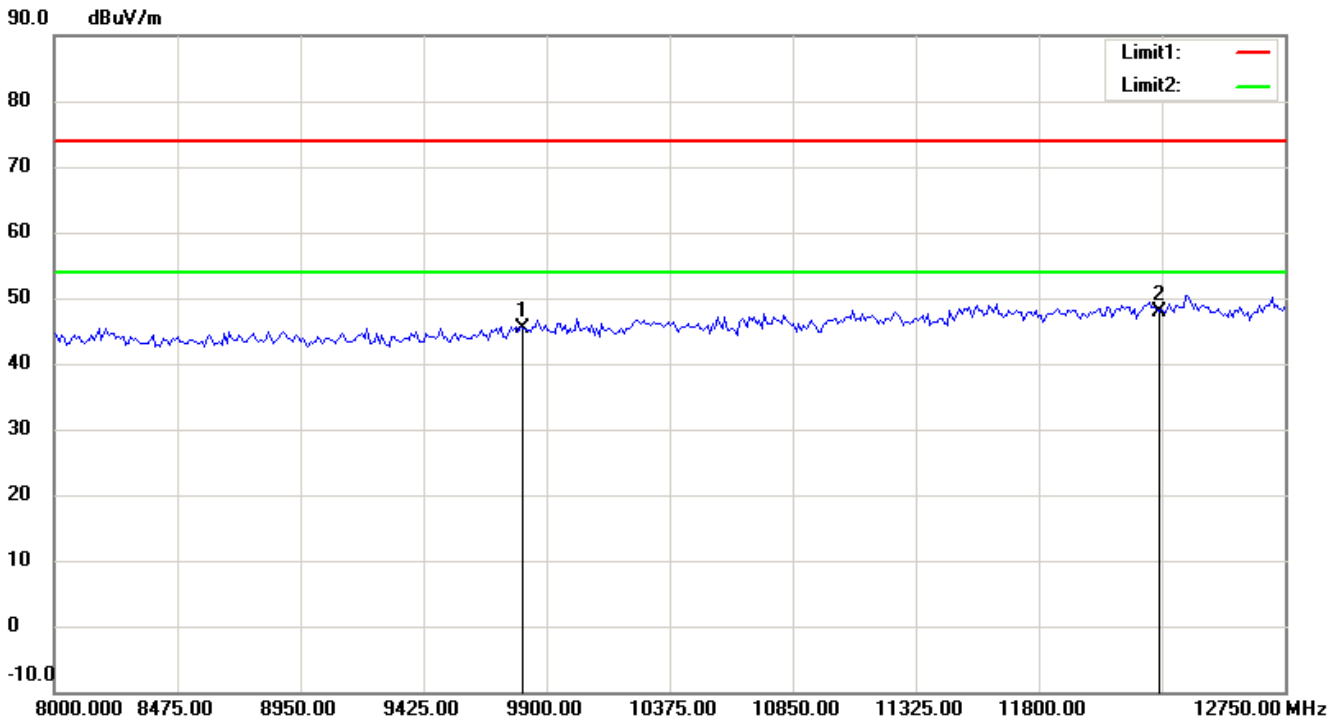
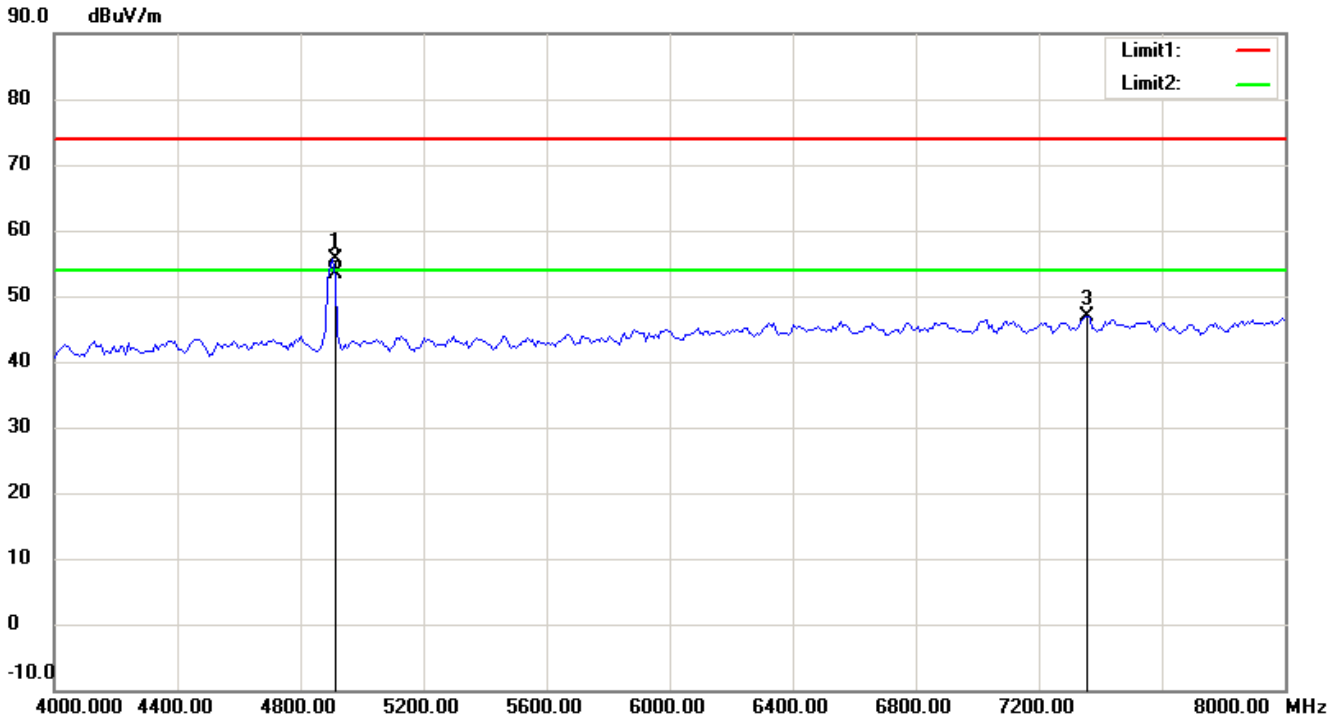
Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

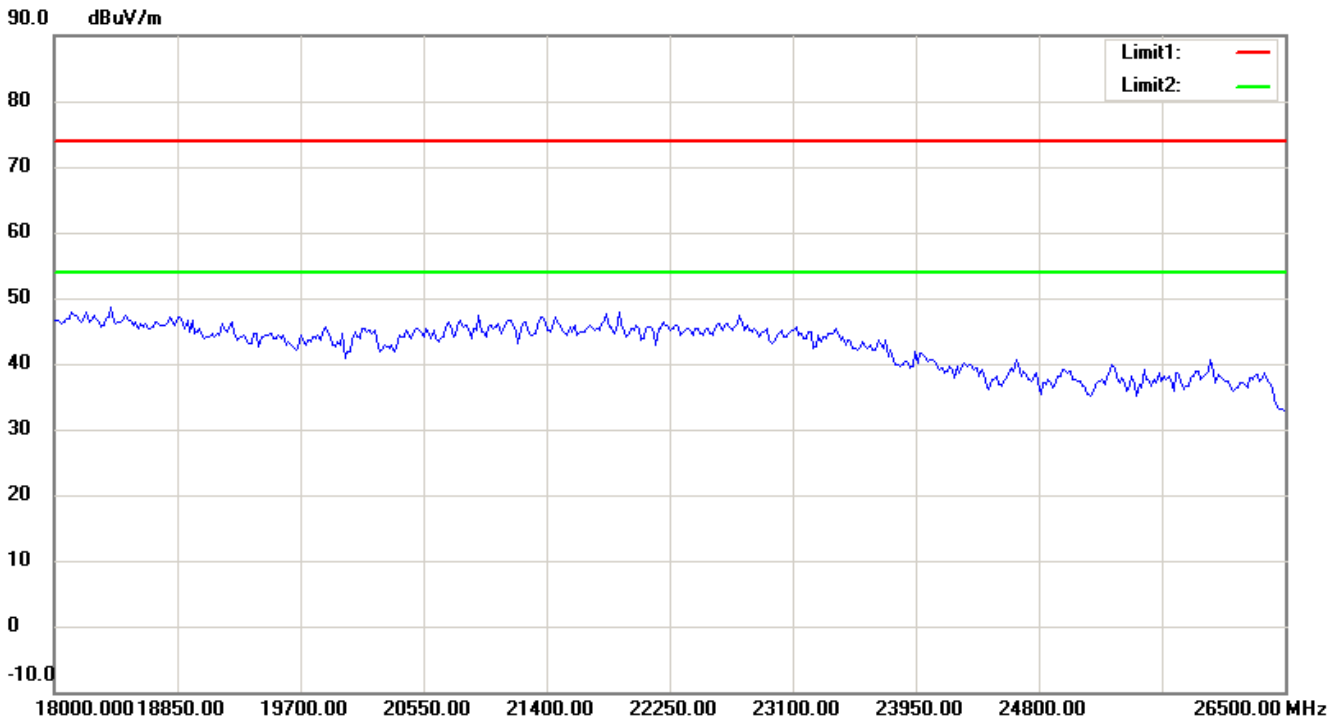
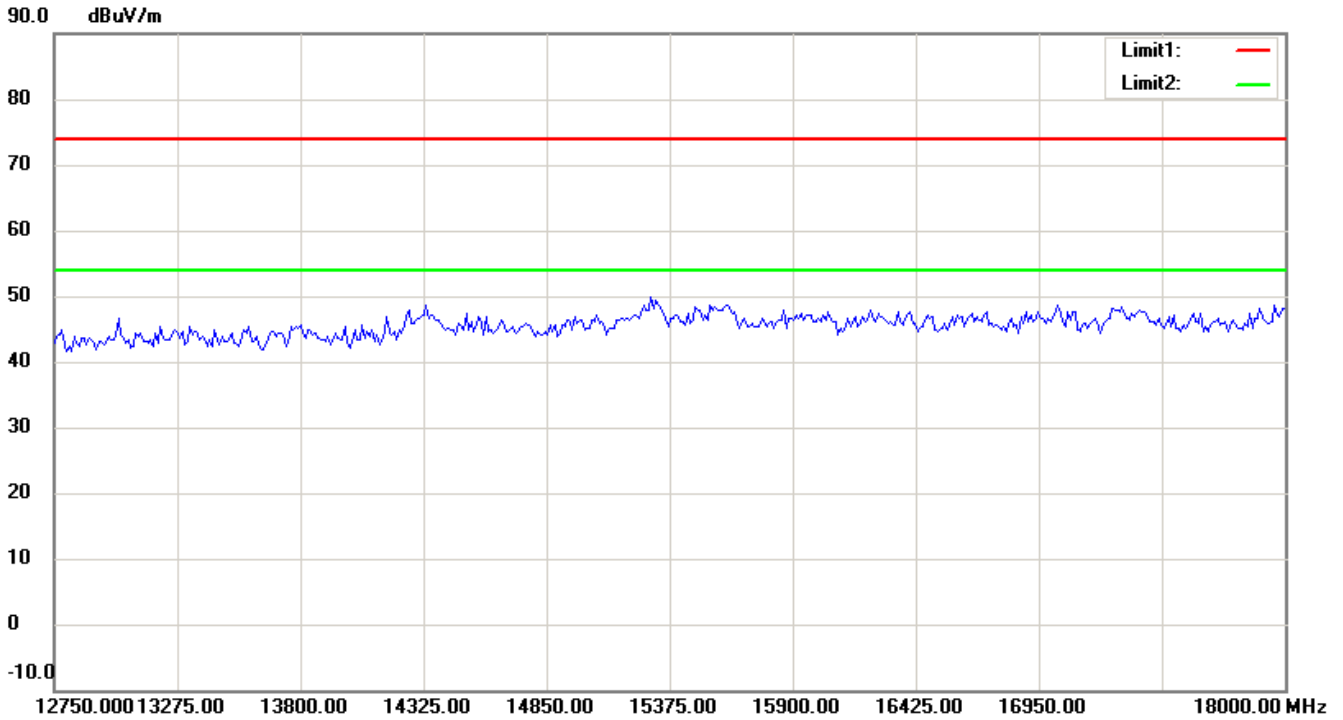
Note:

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.



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6R21309-13524-C-1  
FCC ID: ZTT-REC10-2



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

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.