

# Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC155687

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# **FCC Radio Test Report** FCC ID: 2AL64-806W

# **Original Grant**

Report No. TB-FCC153920

Shenzhen qiuyu Electronic Co.,Ltd **Applicant** 

**Equipment Under Test (EUT)** 

**EUT Name Tablet PC** 

Model No. QM806

Series Model No. Westgate Owner Tablet, 186

**Brand Name** Westgate Owner / Maxtalent

**Receipt Date** 2017-06-22

2017-06-23 to 2017-07-01 **Test Date** 

**Issue Date** 2017-07-02

**Standards** FCC Part 15, Subpart C (15.247:2016)

**Test Method** ANSI C63.10: 2013

**Conclusions PASS** 

In the configuration tested, the EUT complied with the standards specified above,

The EUT technically complies with the FCC and IC requirements

**Test/Witness Engineer** 

Approved&

the report.

**Authorized** 

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in

TB-RF-074-1.0

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# 1. General Information about EUT

#### 1.1 Client Information

**Applicant**: Shenzhen qiuyu Electronic Co.,Ltd

Address : 3F, E Building, Hongzhuyongqi Industrial Park, Lezhujiao village,

xixiang town, Bao' an District, Shenzhen, China

Manufacturer : Shenzhen qiuyu Electronic Co.,Ltd

Address : 3F, E Building, Hongzhuyongqi Industrial Park, Lezhujiao village,

xixiang town, Bao' an District, Shenzhen, China

### 1.2 General Description of EUT (Equipment Under Test)

EUT Name	1	Tablet PC	CONTRACTOR OF THE PARTY OF THE		
Models No.	1	QM806, Westgate Owr	QM806, Westgate Owner Tablet, I86		
Model Difference	•	All these models are identical in the same PCB layout and electrical circuit, the only difference name.			
d ann		Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz		
	B	Number of Channel:	802.11b/g/n(HT20):11 channels see note(3) 802.11n(HT40):9 channels see note(3)		
Product	- K.	RF Output Power:	802.11b: 8.47dBm 802.11g: 8.69dBm 802.11n (HT20): 8.91dBm 802.11n (HT40): 8.41dBm		
Description		Antenna Gain:	-0.12dBi FPC Antenna		
		Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM, 64QAM)		
	1	Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps		
Power Supply	pply DC Voltage supplied by USB cable DC Voltage supplied by Li-ion battery				
Power Rating	1	DC 5V by USB Cable DC 3.7V by 3500mAh Li-ion battery			
Connecting I/O Port(S)		Please refer to the User's Manual			

#### Note:

- (1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v04.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or



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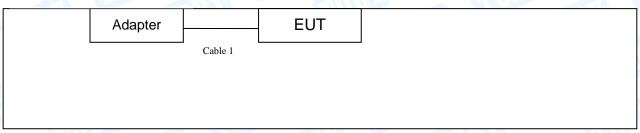
the User's Manual.

(3) Channel List:

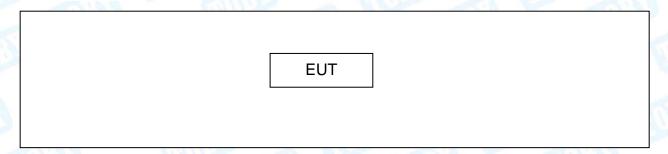
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		
Note: CH 01~CH 11 for 802.11b/g/n(HT20), CH 03~CH 09 for 802.11n(HT40)					

- (4) The Antenna information about the equipment is provided by the applicant.
- 1.3 Block Diagram Showing the Configuration of System Tested

## **USB Charging Mode**



#### **TX Mode**



# 1.4 Description of Support Units

		Equipment Informa	ation			
Name	Model	FCC ID/VOC	Manufacturer	Used "√"		
AC/DC Adapter A16-502000 AOHAI √				√		
AC/DC Adapter In	nput:AC100-240V 50/6	0Hz 0.5A Output:5V	//2A			
		Cable Information	1			
Number Shielded Type Ferrite Core Length Note						
Cable 1	YES	NO	0.4M	= 04		



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# 1.5 Description of Test Mode

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

For Conducted Test				
Final Test Mode Description				
Mode 1 USB Charging with TX B Mode				

For Radiated Test				
Final Test Mode Description				
Mode 2	TX Mode B Mode Channel 01/06/11			
Mode 3	TX Mode G Mode Channel 01/06/11			
Mode 4	TX Mode N(HT20) Mode Channel 01/06/11			
Mode 5	TX Mode N(HT40) Mode Channel 03/06/09			

#### Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, Middle, lowest available channels, and the worst case data rate as follows:

802.11b Mode: CCK (1 Mbps) 802.11g Mode: OFDM (6 Mbps)

802.11n (HT20) Mode: MCS 0 (6.5 Mbps) 802.11n (HT40) Mode: MCS 0 (13 Mbps)

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



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## 1.6 Description of Test Software Setting

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

Test Software Version		N/A	
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	DEF	DEF	DEF
IEEE 802.11g OFDM	DEF	DEF	DEF
IEEE 802.11n (HT20)	DEF	DEF	DEF
Channel	CH 03	CH 06	CH 09
IEEE 802.11n (HT40)	DEF	DEF	DEF

# 1.7 Measurement Uncertainty

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

Test Item	Parameters	Expanded Uncertainty (U <sub>Lab</sub> )
	Level Accuracy:	
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Dedicted Engine	Level Accuracy:	. 4 CO dD
Radiated Emission	9kHz to 30 MHz	±4.60 dB
Dedicted Emission	Level Accuracy:	. 4. 40 dD
Radiated Emission	30MHz to 1000 MHz	±4.40 dB
Padiated Emission	Level Accuracy:	.4.20 dB
Radiated Emission	Above 1000MHz	±4.20 dB



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## 1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

#### CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

#### FCC List No.: (811562)

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 811562.

#### IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.



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# 2. Test Summary

FCC Part 15 Subpart C(15.247)/ RSS 247 Issue 1					
Standa	rd Section	Test Item	ludament	D	
FCC	IC	rest item	Judgment	Remark	
15.203	1	Antenna Requirement	PASS	N/A	
15.207	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A	
15.205	RSS-GEN 7.2.2	Restricted Bands	PASS	N/A	
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	PASS	N/A	
15.247(b)	RSS 247 5.4 (4)	Peak Output Power	PASS	N/A	
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A	
15.247(d)	RSS 247 5.5	Band Edge	PASS	N/A	
15.247(d)& 15.209	RSS 247 5.5	Transmitter Radiated Spurious Emission	PASS	N/A	

Note: "/" for no requirement for this test item.

N/A is an abbreviation for Not Applicable.



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# 3. Test Equipment

Conducted	d Emission Te	St	T	1	T
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 22, 2016	Jul. 21, 2017
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 22, 2016	Jul. 21, 2017
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 22, 2016	Jul. 21, 2017
LISN	Rohde & Schwarz	ENV216	101131	Jul. 22, 2016	Jul. 21, 2017
Radiation	Emission Tes	t			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 22, 2016	Jul. 21, 2017
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar.25, 2017	Mar. 24, 2018
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar.25, 2017	Mar. 24, 2018
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.24, 2017	Mar. 23, 2018
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar.24, 2017	Mar. 23, 2018
Loop Antenna	Laplace instrument	RF300	0701	Mar.24, 2017	Mar. 23, 2018
Pre-amplifier	Sonoma	310N	185903	Mar.25, 2017	Mar. 24, 2018
Pre-amplifier	HP	8449B	3008A00849	Mar.26, 2016	Mar. 25, 2017
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar.26, 2016	Mar. 25, 2017
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna C	Conducted Em	ission			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
Spectrum Analyzer	Rohde & Schwarz	ESCI	100010/007	Jul. 22, 2016	Jul. 21, 2017
Power Meter	Anritsu	ML2495A	25406005	Jul. 22, 2016	Jul. 21, 2017
Power Sensor	Anritsu	ML2411B	25406005	Jul. 22, 2016	Jul. 21, 2017



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# 4. Conducted Emission Test

#### 4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

#### 4.1.2 Test Limit

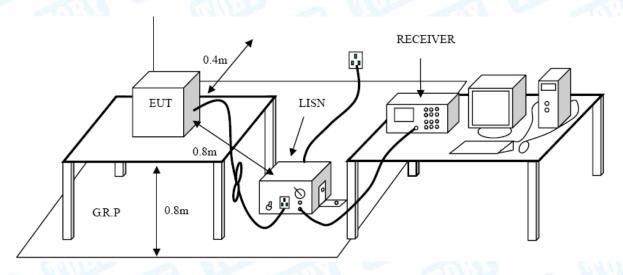
#### **Conducted Emission Test Limit**

	Maximum RF Line Voltage (dBμV)		
Frequency	Quasi-peak Level	Average Level	
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *	
500kHz~5MHz	56	46	
5MHz~30MHz	60	50	

#### Notes:

- (1) \*Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 4.2 Test Setup



#### 4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.



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I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

## 4.4 EUT Operating Mode

Please refer to the description of test mode.

#### 4.5 Test Data

Please see the next page.



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EUT:	Tablet PC	Model Name :	PTV-R78-3288
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		ATT S
Terminal:	Line		
Test Mode:	Charging with TX B Mo	ode	
Remark:	Only worse case is rep	ported	
90.0 dBuV  40  -10  0.150	0.5	(MHz) 5	QP:
No. Mk. Fr		rrect Measure- actor ment Lim	nit Over
		dBuV dBu	uV dB Detector
1 0.15	500 40.97 9	.64 50.61 65.	99 -15.38 QP
2 0.15	500 24.70 9	.64 34.34 55.	99 -21.65 AVG
3 0.19	980 33.76 9	.65 43.41 63.	69 -20.28 QP
4 0.19	980 18.72 9	.65 28.37 53.	69 -25.32 AVG
5 0.25	500 31.01 9	.61 40.62 61.	75 -21.13 QP
6 0.25	500 17.21 9	.61 26.82 51.	75 -24.93 AVG
7 0.30	020 27.13 9	.57 36.70 60.	19 -23.49 QP
8 0.30	020 13.08 9	.57 22.65 50.	19 -27.54 AVG
9 0.4	100 35.60 9	.58 45.18 57.	65 -12.47 QP
10 * 0.4	100 32.79 9	.58 42.37 47.	65 -5.28 AVG
11 1.95	500 20.41 9	.61 30.02 56.	00 -25.98 QP
12 1.95	500 7.48 9	.61 17.09 46.	00 -28.91 AVG
Emission Level	= Read Level+ Correct	Factor	



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EUT:		Tablet PC	M	odel Name :		PTV-R78	-3288
Tempe	erature:	25 ℃	R	elative Hum	idity:	55%	ARTH
Test V	oltage:	AC 120V/60Hz		11	GU	1139	
Termir	nal:	Neutral	A AMOU				W.
Test M		Charging with T	X B Mode	WILL		a V	
Remai	rk:	Only worse case	is reported	1		301	_ [
90.0 d	BuV					QP: AVG:	
-10				Late to the state of the state	mander of the first fill of the fill of th		pea AV6
0.150		0.5	(MHz)	5			30.000
No. N	Иk. Fr	Reading eq. Level	Correct Factor	Measure- ment	Limit	Over	
	MI	Hz dBuV	dB	dBuV	dBuV	dB	Detector
1	0.41	100 35.70	9.58	45.28	57.65	-12.37	QP
2 '	* 0.41	100 32.90	9.58	42.48	47.65	-5.17	AVG
3	0.15	500 40.39	9.64	50.03	65.99	-15.96	QP
4	0.15	500 24.20	9.64	33.84	55.99	-22.15	AVG
5	0.19	980 33.28	9.65	42.93	63.69	-20.76	QP
6	0.19	980 18.37	9.65	28.02	53.69	-25.67	AVG
7	0.25	500 30.50	9.61	40.11	61.75	-21.64	QP
8	0.25	500 16.82	9.61	26.43	51.75	-25.32	AVG
9	0.35		9.58	25.76	58.77	-33.01	QP
10	0.35	580 -0.59	9.58	8.99		-39.78	AVG
11	0.54		9.58	32.99	56.00		QP
12	0.54		9.58	21.77		-24.23	AVG
		= Read Level+ Co					



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EUT:	Tablet PC			Model Nam	ne :	PTV-R	78-3288
Temperature:	25 ℃	CITY I		Relative Hu	umidity:	55%	A River
Test Voltage:	AC 24	0V/60Hz		80	(FII)	1133	
Terminal:	Line		diffe		1 6		Mills.
Test Mode:	Chargi	ing with TX	B Mode	MILE		2 A	
Remark:	Only w	orse case i	s reported	-	CITI'S	19	
90.0 dBuV						OD:	
						QP: AVG:	_
40 X							
	1111111	Dana dana	rra Aldrahida binidira	H. JAM AMAKA	hallynalyanamir	اللاسان بالاستخاب	
A CLANALA						California (1974)	peak
\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	/W WWW				hy May transprojety		
	AH VÜW						Minihi. III AAC
		, , , , , , , , , , , ,	1-17-17-17-17-17-17-17-17-17-17-17-17-17				
-10							
0.150	0.5		(MHz)	5			30.000
		D 1:					
AL BALL F		Reading	Correct	Measure-	Limit	0,,,,,,	
	req.	Level	Factor	ment	Limit	Over	
	req. MHz	Level	Factor dB	ment dBuV	Limit dBuV	dB	Detector
1 0.4	req. MHz 4100	dBuV 34.95	Factor dB 9.58	ment dBuV 44.53	Limit dBuV 57.65	dB -13.12	QP
1 0.4	req. MHz	Level	Factor dB	ment dBuV	Limit dBuV	dB	
1 0.4	req. MHz 4100	dBuV 34.95	Factor dB 9.58	ment dBuV 44.53	dBuV 57.65 47.65	dB -13.12	QP
1 0.4 2 * 0.4 3 0.6	req. MHz 4100 4100	dBuV 34.95 31.06	9.58 9.58	ment dBuV 44.53 40.64	bimit dBuV 57.65 47.65 56.00	dB -13.12 -7.01	QP AVG
1 0.4 2 * 0.4 3 0.6 4 0.6	Hz 4100 4100 6060	dBuV 34.95 31.06 23.94	9.58 9.58 9.59	ment dBuV 44.53 40.64 33.53	bimit dBuV 57.65 47.65 56.00	dB -13.12 -7.01 -22.47	QP AVG QP
1 0.4 2 * 0.4 3 0.6 4 0.6 5 0.2	Hz 4100 4100 6060	dBuV 34.95 31.06 23.94 14.22	9.58 9.58 9.59 9.59	ment dBuV 44.53 40.64 33.53 23.81	dBuV 57.65 47.65 56.00 46.00 62.30	dB -13.12 -7.01 -22.47 -22.19	QP AVG QP AVG
1 0.4 2 * 0.4 3 0.6 4 0.6 5 0.2 6 0.2	H100 4100 6060 6060 2340	Level dBuV 34.95 31.06 23.94 14.22 30.48	9.58 9.58 9.59 9.59 9.62	ment dBuV 44.53 40.64 33.53 23.81 40.10	dBuV 57.65 47.65 56.00 46.00 62.30 52.30	dB -13.12 -7.01 -22.47 -22.19 -22.20	QP AVG QP AVG QP
1 0.4 2 * 0.4 3 0.6 4 0.6 5 0.2 6 0.2 7 0.4	Freq. MHz 4100 4100 6060 6060 2340 2340 4660	Level dBuV 34.95 31.06 23.94 14.22 30.48 14.46 23.94	9.58 9.58 9.59 9.59 9.62 9.62 9.58	ment dBuV 44.53 40.64 33.53 23.81 40.10 24.08 33.52	Limit dBuV 57.65 47.65 56.00 46.00 62.30 52.30 56.58	dB -13.12 -7.01 -22.47 -22.19 -22.20 -28.22 -23.06	QP AVG QP AVG QP AVG QP
1 0.4 2 * 0.4 3 0.6 4 0.6 5 0.2 6 0.2 7 0.4 8 0.4	Freq. MHz 4100 4100 6060 6060 2340 2340 4660	Level dBuV 34.95 31.06 23.94 14.22 30.48 14.46 23.94 10.53	9.58 9.58 9.59 9.59 9.62 9.62 9.58	ment dBuV 44.53 40.64 33.53 23.81 40.10 24.08 33.52 20.11	Limit dBuV 57.65 47.65 56.00 46.00 62.30 52.30 56.58 46.58	dB -13.12 -7.01 -22.47 -22.19 -22.20 -28.22 -23.06 -26.47	QP AVG QP AVG QP AVG QP AVG
1 0.4 2 * 0.4 3 0.6 4 0.6 5 0.2 6 0.2 7 0.4 8 0.4 9 0.4	Freq. MHz 4100 4100 5060 5060 2340 4660 4660 1860	Level dBuV 34.95 31.06 23.94 14.22 30.48 14.46 23.94 10.53 32.96	9.58 9.59 9.62 9.62 9.58 9.58 9.65	ment dBuV 44.53 40.64 33.53 23.81 40.10 24.08 33.52 20.11 42.61	Limit dBuV 57.65 47.65 56.00 46.00 62.30 52.30 56.58 46.58 64.21	dB -13.12 -7.01 -22.47 -22.19 -22.20 -28.22 -23.06 -26.47 -21.60	QP AVG QP AVG QP AVG QP AVG QP
1 0.4 2 * 0.4 3 0.6 4 0.6 5 0.2 6 0.2 7 0.4 8 0.4 9 0.1	Freq. MHz 4100 4100 5060 5060 2340 4660 4660 1860	Level dBuV 34.95 31.06 23.94 14.22 30.48 14.46 23.94 10.53 32.96 15.17	9.58 9.59 9.62 9.62 9.58 9.58 9.65	ment dBuV 44.53 40.64 33.53 23.81 40.10 24.08 33.52 20.11 42.61 24.82	Limit dBuV 57.65 47.65 56.00 46.00 62.30 52.30 56.58 46.58 64.21 54.21	dB -13.12 -7.01 -22.47 -22.19 -22.20 -28.22 -23.06 -26.47 -21.60 -29.39	QP AVG QP AVG QP AVG QP AVG AVG
1 0.4 2 * 0.4 3 0.6 4 0.6 5 0.2 6 0.2 7 0.4 8 0.4 9 0.1 10 0.1	Freq. MHz 4100 4100 5060 5060 2340 4660 4660 1860	Level dBuV 34.95 31.06 23.94 14.22 30.48 14.46 23.94 10.53 32.96	9.58 9.59 9.62 9.62 9.58 9.58 9.65	ment dBuV 44.53 40.64 33.53 23.81 40.10 24.08 33.52 20.11 42.61	Limit dBuV 57.65 47.65 56.00 46.00 62.30 52.30 56.58 46.58 64.21 54.21 56.00	dB -13.12 -7.01 -22.47 -22.19 -22.20 -28.22 -23.06 -26.47 -21.60	QP AVG QP AVG QP AVG QP AVG QP



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EUT:	Tablet	PC	N	lodel Name	:	PTV-R78	-3288
Temperature:	25 ℃	ean!	R	elative Hum	idity:	55%	A River
Test Voltage:	AC 24	0V/60Hz		A P	Gu	11:32	
Terminal:	Neutra	ı	DATE:		1 6		
Test Mode:	Chargi	ng with TX	B Mode	CHILD'S	9	a W	
Remark:	Only w	orse case is	s reported			33	
90.0 dBuV						0.0	
						QP: AVG:	
×	*						
40 A A	×	. <b>X</b>		x X ,			articular colo
A 7W/ 1 19 M	AN ATA	<sup>4</sup>			d John Jack Ariel	and was placed by the second	peak
\{\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\							
V.) M., (h./1).		A KA AL DADADAM		<b>/</b> }_{\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Jana Andrikania		AVG
	ለሌክለ	A CA CA CANALA C	AANAAAAA Inmalionalanda ildiila	י ווייחוון:			
-10							
0.150	0.5		(MHz)	5			30.000
		Reading	Correct	Measure-			
	req.	Level	Factor	ment	Limit	Over	
	//Hz	dBuV	dB	dBuV	dBuV	dB	Detector
1 0.4	100	35.36	9.58	44.94	57.65	-12.71	QP
2 * 0.4	100	31.47	9.58	41.05	47.65	-6.60	AVG
3 4.5	020	18.93	9.82	28.75	56.00	-27.25	QP
4 4.5	020	9.80	9.82	19.62	46.00	-26.38	AVG
5 0.1	860	27.35	9.65	37.00	64.21	-27.21	QP
6 0.1	860	7.45	9.65	17.10	54.21	-37.11	AVG
7 0.6	580	18.30	9.59	27.89	56.00	-28.11	QP
	580	3.74	9.59	13.33		-32.67	AVG
	420	23.90	9.69	33.59		-22.41	QP
	420	9.93	9.69	19.62	46.00		AVG
	140	23.24	9.58	32.82		-23.18	QP
12 0.5	140	12.79	9.58	22.37	46.00	-23.63	AVG
Emission Level	= Read	Level+ Cor	rect Factor				



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# 5. Radiated Emission Test

## 5.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.209

5.1.2 Test Limit

#### Radiated Emission Limits (9 kHz~1000 MHz)

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

## Radiated Emission Limit (Above 1000MHz)

Frequency	Distance of 3m (dBuV/m)					
(MHz)	Peak	Average				
Above 1000	74	54				

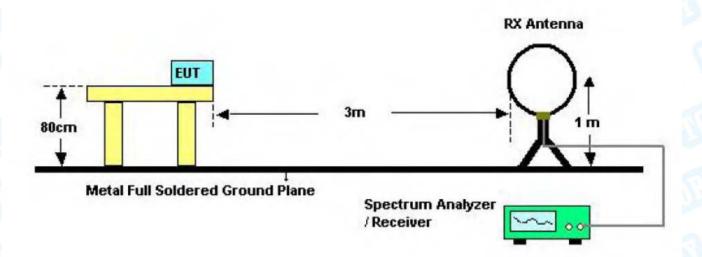
#### Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

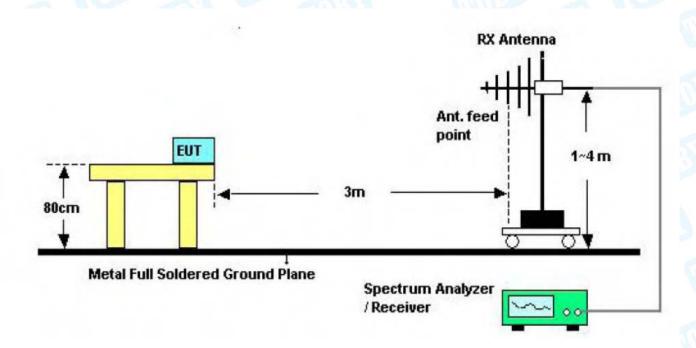


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# 5.2 Test Setup



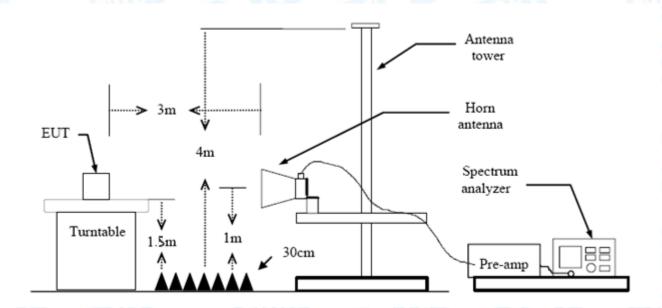
Below 30MHz Test Setup



Below 1000MHz Test Setup



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Above 1GHz Test Setup

#### 5.3 Test Procedure

- (1) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (2) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (3) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (4) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (5) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (6) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (7) For the actual test configuration, please see the test setup photo.

# 5.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.



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## 5.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.



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#### 9KHz~30MHz

From 9KHz to 30MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB

below the permissible value has no need to be reported.

## 30MHz~1GHz

:		Ta	able	t PC		1			Мо	del:				F	TV-	R78	3-32	288
peratu	ıre:	25	5 °C						Rel	ative	Hu	mid	ity:	5	5%	Ver		
Volta	ge:	D	C 3.	.7V			61	11/2	3			1			Y	d	<b>6</b>	
Pol.		H	oriz	onta	al		100		all to									
Mode	<b>):</b>	T	ХВ	Мо	de 2	2412	2MHz	1	11/11			d		N	16			M
nark:		0	nly	wor	se	case	e is rep	orted		-	1	11						
dBuV/n	n																	
												(	RF)FC(	C 15C :				П
					_				<u> </u>									-1
					_													
1						1	X					6 K				المارية المارية المارية	MujA	wayara
^ <sup>®</sup> \\	. AMX					, 3 , X	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	MAN	س/به م	5 Xww.k4/kw	W.J <sup>///</sup>	N. WARAN	w William	white	Wedler to	WPT TO		
- "M/M	M. /~	h.	. wh <sup>owel</sup> ak	Alband MA	Wash N	North State	V		Auth M	r new	The state of the s							
		- Walter	wr "		-													
000	40 E	in (	20 7	70 0	0			(MIII-)			200		100	EOO	coo	700	1	000.00
.000	+0 3	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,										100	300	000	700		000.00
n Mk	F	rea									9-	Lin	nit	(	Ove	er		
J. IVIN.																	Dot	octo
			7															
																		QP
	45.	058	3	3	38.	/4	-22	2.01	1	6.73		40	0.00	_	23.	27	(	QP_
	108	.647	70	3	39.2	27	-21	.41	1	7.86		43	3.50	-	25.	64	(	QР
*	141.	.329	98	4	18.9	99	-21	.44	2	7.55		43	3.50	-	15.	95	(	QР
	235	.816	64	3	34.	17	-18	3.11	1	6.06		46	00.6	-	29.	94	(	QР
	345.				00.0	97	-1/	.08	2	2.89		46	6.00		23.	11	(	QР
	peratu Volta Pol. Mode lark: dBuV/r	perature: Voltage: Pol. Mode: hark: dBuV/m  2 000 40 5 0. Mk. F  31. 45. 108	perature: 25 Voltage: D Pol. H Mode: T park: O  dBuV/m  1 2 000 40 50 0  D. Mk. Freq MHz 31.842 45.058 108.647	Pol. Horiz  Mode: TX B  lark: Only  dBuv/m  1 2 2 000 40 50 60 3  0. Mk. Freq. MHz 31.8427 45.0583 108.6470	Pol. Horizonta Mode: TX B Mo lark: Only wor  dBuv/m  25 °C  Voltage: DC 3.7V  Horizonta  TX B Mo Only wor  ABuv/m  Re D. Mk. Freq. L  MHz  31.8427  45.0583  108.6470  * 141.3298  4	Perature: 25 ℃  Voltage: DC 3.7V  Pol. Horizontal  Mode: TX B Mode:  ark: Only worse  dBuV/m   Reac  D. Mk. Freq. Lev  MHz dBu  31.8427 36.9  45.0583 38.3  108.6470 39.3  * 141.3298 48.9	Pol. Horizontal  Mode: TX B Mode 2412  lark: Only worse case  dBuv/m  Reading  D. Mk. Freq. Level  MHz dBuv  31.8427 36.51  45.0583 38.74  108.6470 39.27  * 141.3298 48.99	Pol. Horizontal  Mode: TX B Mode 2412MHz  Only worse case is rep  dBuV/m  Reading Col Level Fa  MHz dBuV dB  31.8427 36.51 -14  45.0583 38.74 -22  108.6470 39.27 -21  * 141.3298 48.99 -21	Pol. Horizontal  Mode: TX B Mode 2412MHz  Only worse case is reported  dBuV/m  Reading Correct Factor  MHz dBuV dB/m  31.8427 36.51 -14.91  45.0583 38.74 -22.01  108.6470 39.27 -21.41  * 141.3298 48.99 -21.44	Voltage: DC 3.7V Pol. Horizontal  Mode: TX B Mode 2412MHz Only worse case is reported  BBUV/m  Reading Correct Mea Level Factor m MHz dBuV dB/m dB  31.8427 36.51 -14.91 2 45.0583 38.74 -22.01 10 108.6470 39.27 -21.41 11  * 141.3298 48.99 -21.44 2	Note   DC 3.7V   Pol.   Horizontal   TX B Mode 2412MHz	Pol. Horizontal  Mode: TX B Mode 2412MHz  Only worse case is reported  ### Adding Correct Measure—  ### MHz  ### dBuV  ### dBuV/m  ### dBuV  ### dBuV/m  ### dBuV/m  ### dBuV/m  31.8427 36.51 -14.91 21.60  ### 45.0583 38.74 -22.01 16.73  108.6470 39.27 -21.41 17.86  ### 141.3298 48.99 -21.44 27.55	Voltage:   DC 3.7V   Pol.   Horizontal   Mode:   TX B Mode 2412MHz   Only worse case is reported   Multiple of the policy of t	Node:   25 °C   Relative Humidity:   Voltage:   DC 3.7V	Note   Pol.   Horizontal   Wode:   TX B Mode 2412MHz   Only worse case is reported	Pol.   Horizontal   TX B Mode 2412MHz   Only worse case is reported     Pol.       Pol.	Note   DC 3.7V   Horizontal   Mode:   TX B Mode 2412MHz	Note   DC 3.7V   Pol.   Horizontal   TX B Mode 2412MHz



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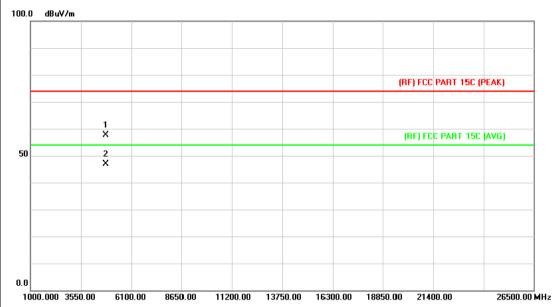
	Т:		Tab	let PC	t PC Model:				PTV-	R78-3	288
Гen	nperatu	ıre:	25	$^{\circ}$		F	Relative Hu	midity:	55%	2	
Гes	t Volta	ge:	DC	3.7V			21 6	6	10		
4nt	. Pol.		Vert	tical		I AMO				A	MAIL
Tes	t Mode	•	TX	B Mod	e 241	2MHz			1	1/1/	
Rer	nark:		Onl	y wors	e case	e is reporte	d		1197		
80.	0 dBuV/m	ı									
								(RF)I	FCC 15C 3F	M Radiatio	
30	1 X V <sub>1</sub> ,W <sub>1</sub>	2	ymy.	<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- Comment	V	way my the way	6 June Marie	ahdprosiptive der	di periodi per deleta	phylogrania
		10 50			ding	(MHz)	Measure			600 700	1000.00
N	lo. Mk	. Fre	∍q.	Le	vel	Factor	ment	Limit		)ver	
		8.61	I-					an. V	1	-ID	D-t1
4	-	MH		dB	BuV	dB/m	dBuV/m	dBuV		dB	Detecto
1	*	31.62	202	dB 42	.94	dB/m -14.77	dBuV/m 28.17	40.0	0 -1	11.83	QP
2	*	31.62 45.05	202 583	dB 42 49	.94	dB/m -14.77 -22.01	dBuV/m 28.17 27.61	40.0	00 -1	11.83 12.39	QP QP
_	*	31.62	202 583	dB 42 49	.94	dB/m -14.77	dBuV/m 28.17	40.0	00 -1	11.83	QP
2	*	31.62 45.05	202 583 047	42 49 51	.94	dB/m -14.77 -22.01	dBuV/m 28.17 27.61	40.0	00 -1 00 -1	11.83 12.39	QP QP
2	*	31.62 45.05 89.90	202 583 047 5298	42 49 51	.94 .62 .26	dB/m -14.77 -22.01 -22.29	dBuV/m 28.17 27.61 28.97	40.0 40.0 43.5	00 -1 00 -1 50 -1	11.83 12.39 14.53	QP QP QP



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#### **Above 1GHz**

EUT:	Tablet PC	Model:	PTV-R78-3288							
Temperature:	25 ℃	Relative Humidity:	55%							
Test Voltage:	DC 3.7V									
Ant. Pol.	Horizontal	Horizontal								
Test Mode:	TX B Mode 2412MHz		THE PARTY OF THE P							
Remark:	No report for the emission limit.	No report for the emission which more than 10 dB below the prescribed								

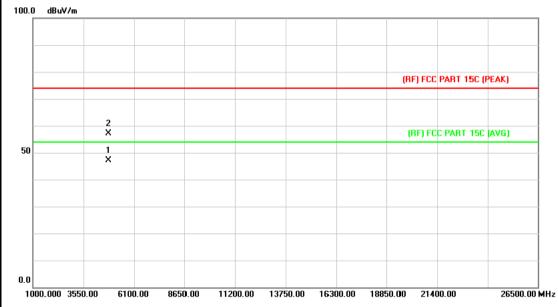


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.997	44.12	13.56	57.68	74.00	-16.32	peak
2	*	4824.120	33.31	13.56	46.87	54.00	-7.13	AVG



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EUT:	Tablet PC	Model:	PTV-R78-3288						
Temperature:	25 ℃	°C Relative Humidity: 55%							
Test Voltage:	DC 3.7V								
Ant. Pol.	Vertical								
Test Mode:	TX B Mode 2412MHz	TX B Mode 2412MHz							
Remark:	No report for the emission was prescribed limit.	No report for the emission which more than 10 dB below the							
100 0 ID VI									

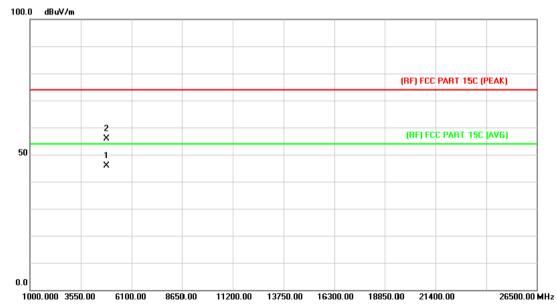


No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.897	33.50	13.56	47.06	54.00	-6.94	AVG
2		4824.652	43.66	13.56	57.22	74.00	-16.78	peak



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EUT:	Tablet PC	Model:	PTV-R78-3288					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	DC 3.7V	DC 3.7V						
Ant. Pol.	Horizontal							
Test Mode:	TX B Mode 2437MHz	MILES						
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							

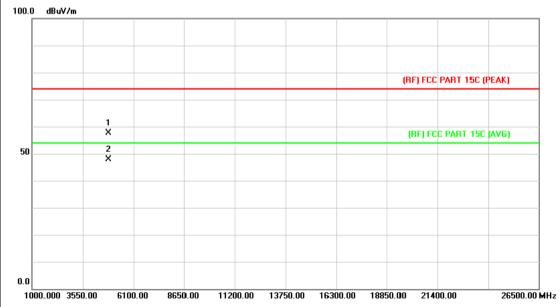


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.984	32.12	13.86	45.98	54.00	-8.02	AVG
2		4874.612	42.12	13.86	55.98	74.00	-18.02	peak



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EUT:	Tablet PC	Model:	PTV-R78-3288						
Temperature:	25 ℃	Relative Humidity:	55%						
Test Voltage:	DC 3.7V	DC 3.7V							
Ant. Pol.	Vertical								
Test Mode:	TX B Mode 2437MHz	MILES							
Remark:	No report for the emission which more than 10 dB below the prescribed limit.								

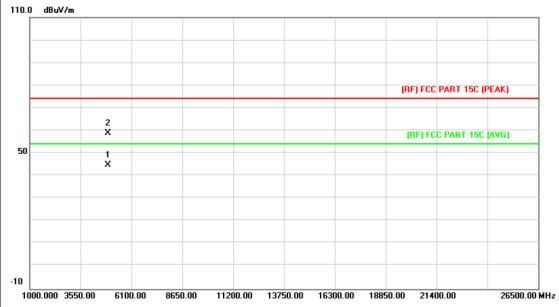


No.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.584	43.83	13.86	57.69	74.00	-16.31	peak
2	*	4874.672	34.01	13.86	47.87	54.00	-6.13	AVG



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The second secon							
6							
DC 3.7V							
HILL							
No report for the emission which more than 10 dB below the prescribed limit.							

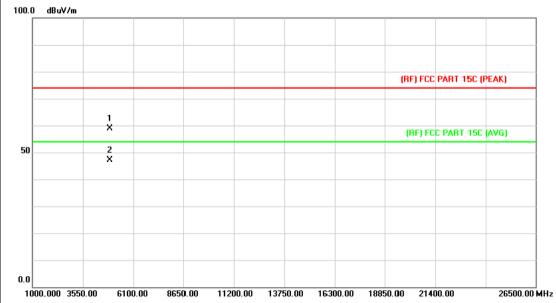


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.538	30.64	14.15	44.79	54.00	-9.21	AVG
2		4923.958	44.69	14.15	58.84	74.00	-15.16	peak



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Tablet PC	Model:	PTV-R78-3288					
25 ℃	Relative Humidity:	55%					
DC 3.7V							
Vertical							
TX B Mode 2462MHz		THE PERSON NAMED IN					
No report for the emission which more than 10 dB below the prescribed limit.							
	25 °C  DC 3.7V  Vertical  TX B Mode 2462MHz  No report for the emission	25 °C Relative Humidity:  DC 3.7V  Vertical  TX B Mode 2462MHz  No report for the emission which more than 10 dB					



No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.687	44.83	14.15	58.98	74.00	-15.02	peak
2	*	4924.367	33.06	14.15	47.21	54.00	-6.79	AVG



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EUT:	Tablet PC	Model:	PTV-R78-3288					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	DC 3.7V	DC 3.7V						
Ant. Pol.	Horizontal							
Test Mode:	TX G Mode 2412MHz							
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							
1000 10 111	·	·	·					

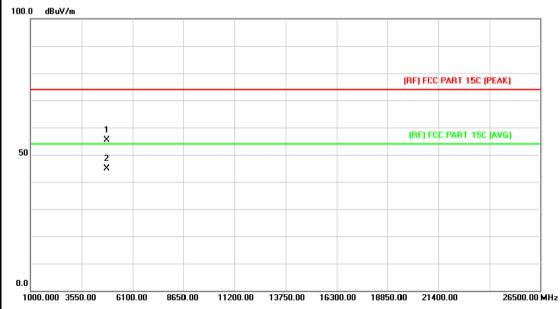


No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.687	31.11	13.56	44.67	54.00	-9.33	AVG
2		4824.556	41.52	13.56	55.08	74.00	-18.92	peak



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EUT:	Tablet PC	Model:	PTV-R78-3288				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V		The second				
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2412MHz						
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
400.0 10.111							

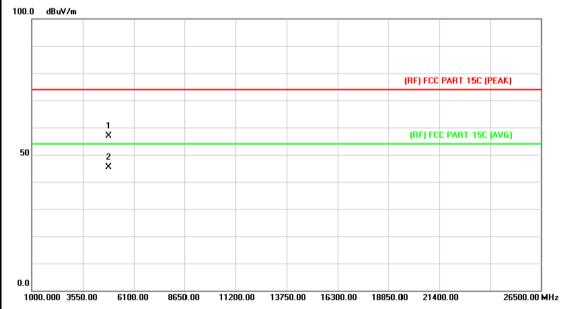


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.654	41.90	13.56	55.46	74.00	-18.54	peak
2	*	4824.622	31.21	13.56	44.77	54.00	-9.23	AVG



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EUT:	Tablet PC	Model:	PTV-R78-3288			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V					
Ant. Pol.	Horizontal					
Test Mode:	TX G Mode 2437MHz		THE PARTY OF THE P			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

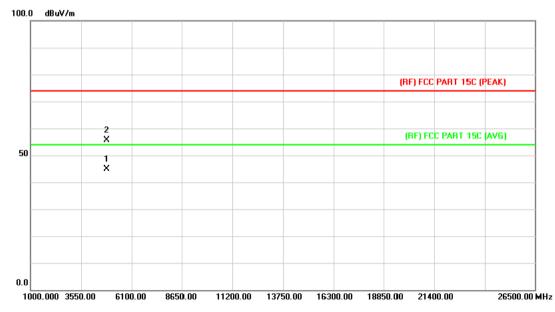


No.	Mk.	Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.654	43.01	13.86	56.87	74.00	-17.13	peak
2	*	4874.032	31.51	13.86	45.37	54.00	-8.63	AVG



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EUT:	Tablet PC	Model:	PTV-R78-3288				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX G Mode 2437MHz	MILES					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						

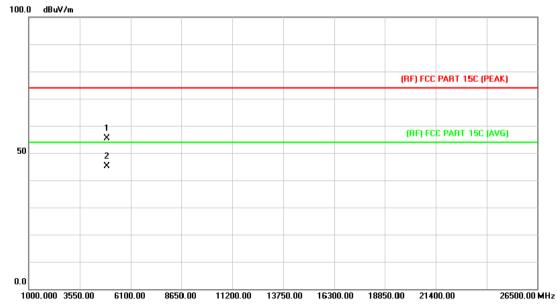


No.	Mk	. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.610	31.11	13.86	44.97	54.00	-9.03	AVG
2		4874.364	41.81	13.86	55.67	74.00	-18.33	peak



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EUT:	Tablet PC	Model:	PTV-R78-3288				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX G Mode 2462MHz	WIID S					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
100.0 40.4/-							

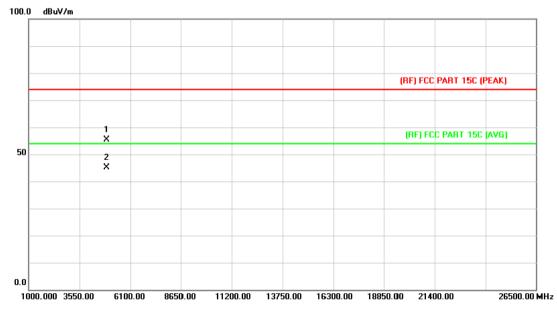


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.608	41.34	14.15	55.49	74.00	-18.51	peak
2	*	4923.987	30.93	14.15	45.08	54.00	-8.92	AVG



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EUT:	Tablet PC	Model:	PTV-R78-3288				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX G Mode 2462MHz						
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						

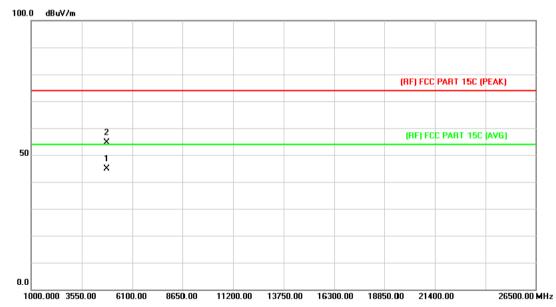


No.	Mk.	Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.574	41.19	14.15	55.34	74.00	-18.66	peak
2	*	4923.621	30.89	14.15	45.04	54.00	-8.96	AVG



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EUT:	Tablet PC	Model:	PTV-R78-3288				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2412N	1Hz	A VIII				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						
İ							

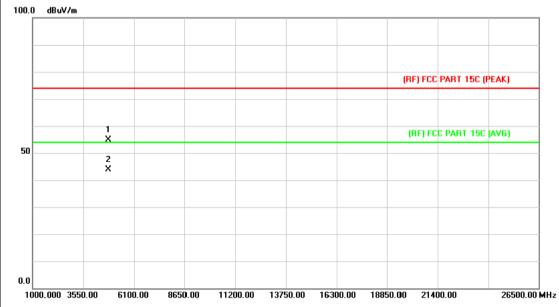


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.341	31.42	13.56	44.98	54.00	-9.02	AVG
2		4824.351	41.11	13.56	54.67	74.00	-19.33	peak



Page: 36 of 91

288	PTV-R78-3288	Model:	Tablet PC	EUT:
S. Lee	55%	Relative Humidity:	25 ℃	Temperature:
	11:35	Test Voltage:		
	Ant. Pol.			
	A HILL	Hz	TX N(HT20) Mode 2412M	Test Mode:
A	Remark:			
	3 below the		Vertical  TX N(HT20) Mode 2412M  No report for the emission prescribed limit.	Test Mode:

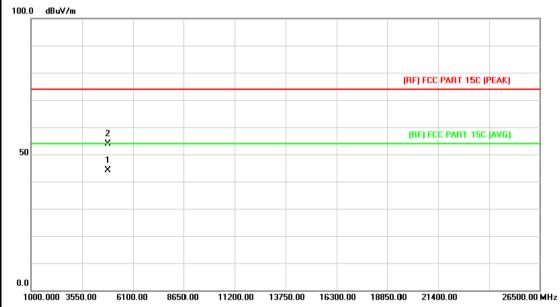


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.684	41.43	13.56	54.99	74.00	-19.01	peak
2	*	4824.671	30.41	13.56	43.97	54.00	-10.03	AVG



Page: 37 of 91

EUT:	Tablet PC	Model:	PTV-R78-3288			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V		Till a			
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT20) Mode 2437N	1Hz	A VIII			
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
	prescribed limit.					
İ						

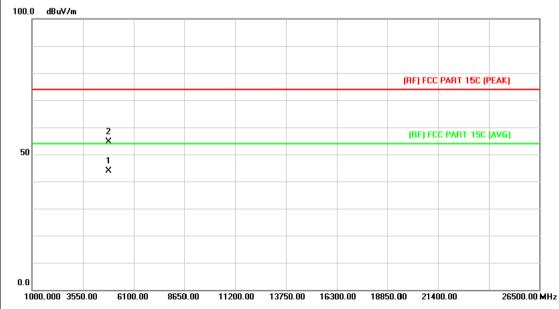


No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.608	30.35	13.86	44.21	54.00	-9.79	AVG
2		4874.084	40.13	13.86	53.99	74.00	-20.01	peak



Page: 38 of 91

EUT:	Tablet PC	Model:	PTV-R78-3288			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V		U.S.			
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 2437M	Hz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					
100.0 10.1/1						

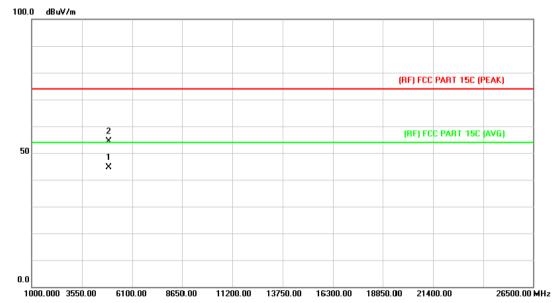


No	o. MI	k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.985	30.01	13.86	43.87	54.00	-10.13	AVG
2		4874.025	40.76	13.86	54.62	74.00	-19.38	peak



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EUT:	Tablet PC	Model:	PTV-R78-3288				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V						
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT20) Mode 2462MH	z MNDE	3 The				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						
i							

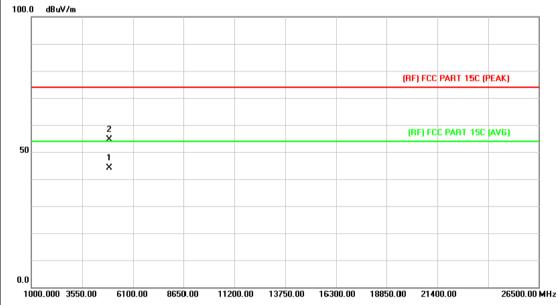


No	. Mk	Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.854	30.44	14.15	44.59	54.00	-9.41	AVG
2		4924.314	40.22	14.15	54.37	74.00	-19.63	peak



Page: 40 of 91

EUT:	Tablet PC	Model:	PTV-R78-3288				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX N(HT20) Mode 2462MH	z	2 100				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
prescribed limit.							

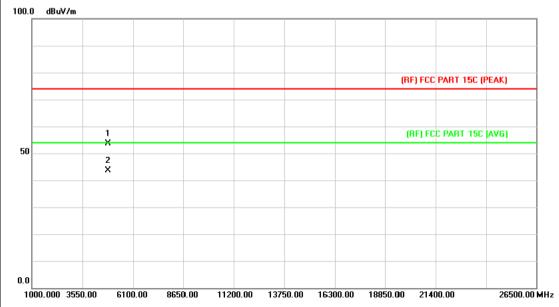


No.	Mk.	Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.874	29.91	14.15	44.06	54.00	-9.94	AVG
2		4924.084	40.53	14.15	54.68	74.00	-19.32	peak



Page: 41 of 91

EUT:	Tablet PC	Model:	PTV-R78-3288				
Temperature:	<b>25</b> ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 2422M	Hz	A THE				
Remark:	Remark: No report for the emission which more than 10 dB below the prescribed limit.						



No.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4844.054	40.00	13.68	53.68	74.00	-20.32	peak
2	*	4844.321	29.90	13.68	43.58	54.00	-10.42	AVG



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Tablet PC	Model:	PTV-R78-3288			
25 ℃	Relative Humidity:	55%			
DC 3.7V					
Vertical	U				
TX N(HT40) Mode 2422MHz	z MINDE	3 Million			
No report for the emission which more than 10 dB below the prescribed limit.					
	25 °C  DC 3.7V  Vertical  TX N(HT40) Mode 2422MH:  No report for the emission w	25 °C Relative Humidity:  DC 3.7V  Vertical  TX N(HT40) Mode 2422MHz  No report for the emission which more than 10 dB			

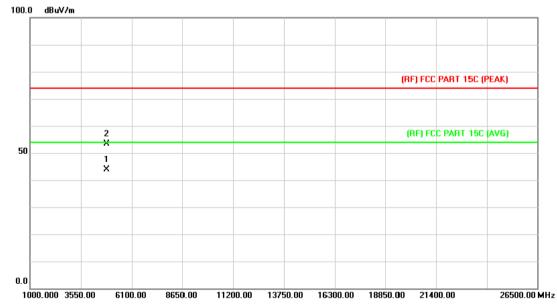


No.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4843.956	40.19	13.68	53.87	74.00	-20.13	peak
2	*	4844.041	29.30	13.68	42.98	54.00	-11.02	AVG



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EUT:	Tablet PC	Model:	PTV-R78-3288				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	OC 3.7V					
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT40) Mode 2437N	1Hz	THE PARTY OF THE P				
Remark:	No report for the emission	n which more than 10 dl	B below the				
	prescribed limit.						

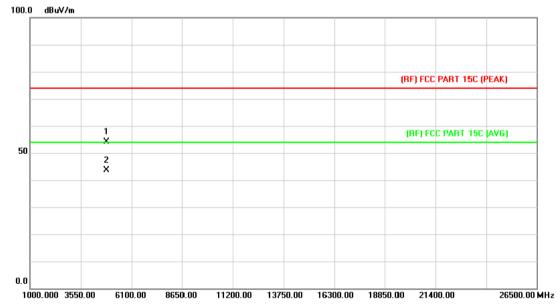


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.645	30.02	13.86	43.88	54.00	-10.12	AVG
2		4873.691	39.59	13.86	53.45	74.00	-20.55	peak



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EUT:	Tablet PC	Model:	PTV-R78-3288
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V	0.0	Time
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2437M	Hz	
Remark:	No report for the emission	which more than 10 de	B below the
	prescribed limit.		
100.0 10.41			

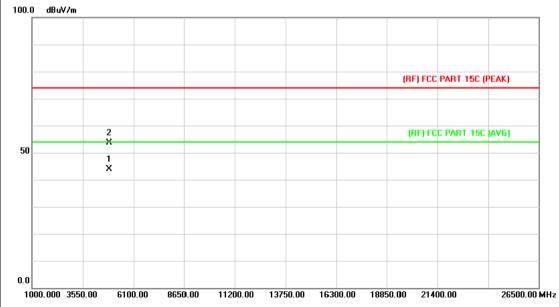


No.	Mk.	Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.984	40.16	13.86	54.02	74.00	-19.98	peak
2	*	4874.521	29.71	13.86	43.57	54.00	-10.43	AVG



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EUT:	Tablet PC	Model:	PTV-R78-3288				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	OC 3.7V					
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT40) Mode 2452M	lHz	THE PARTY OF THE P				
Remark:	No report for the emission	which more than 10 dl	B below the				
	prescribed limit.						
400 0 ID 144							

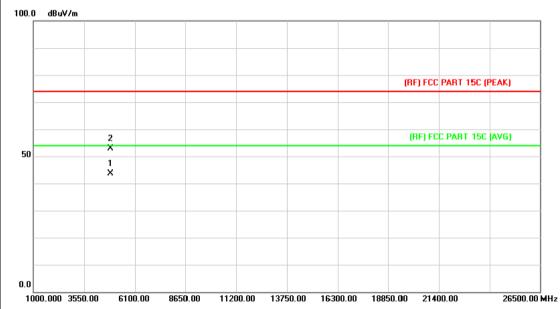


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4903.574	29.84	14.03	43.87	54.00	-10.13	AVG
2		4904.751	39.56	14.03	53.59	74.00	-20.41	peak



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EUT:	Tablet PC	Model:	PTV-R78-3288			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V		Till			
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT40) Mode 2452N	1Hz	THE PARTY OF THE P			
Remark:	No report for the emission prescribed limit.	which more than 10 d	3 below the			
1000 10 11						



No.	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4903.841	29.65	14.03	43.68	54.00	-10.32	AVG
2		4904.795	38.93	14.03	52.96	74.00	-21.04	peak



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# 6. Restricted Bands Requirement

#### 6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.247(d)

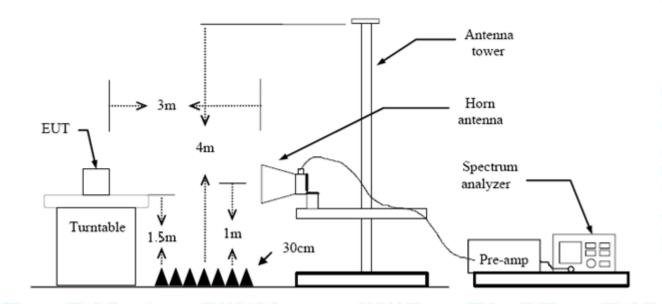
FCC Part 15.209

FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Distance of	3m (dBuV/m)
Band (MHz)	Peak	Average
2310 ~2390	74	54
2483.5 ~2500	74	54

### 6.2 Test Setup



### 6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.



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(3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.

- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

### 6.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

### 6.5 Test Data

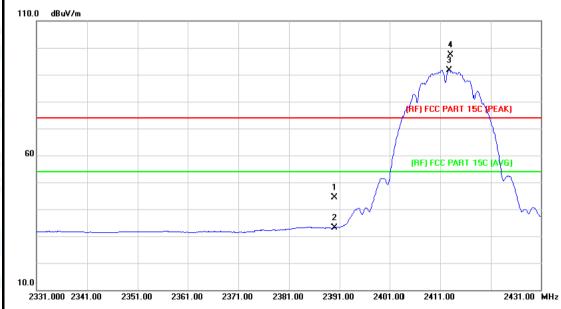
Please see the next page.



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## (1) Radiation Test

EUT:	Tablet PC	Model:	PTV-R78-3288
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V	Ja v	
Ant. Pol.	Horizontal		A WILLIAM
Test Mode:	TX B Mode 2412MHz		13 - 6
Remark:	N/A	DO NOT	
110.0 dBuV/m			
110.0 dBuV/m			



No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	43.61	0.77	44.38	74.00	-29.62	peak
2		2390.000	32.36	0.77	33.13	54.00	-20.87	AVG
3	*	2412.800	90.88	0.86	91.74	Fundamental	Frequency	AVG
4	Х	2413.000	96.49	0.86	97.35	Fundamental	Frequency	peak



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EUT	:		Table	et PC	0 V	Mode	el:		PTV-R78-	3288
em	peratu	re:	25 °	C	130	Relat	ive Hur	nidity:	55%	
est	Voltaç	je:	DC 3	3.7V		Men		Gul	1133	
\nt.	Pol.		Verti	cal	I W	A STATE OF THE PARTY OF THE PAR		1 6		MI
est	Mode		TX E	3 Mode 241	2MHz	_ 5	11/10		a W	1 lease
Rem	nark:		N/A	ABOVE					13	
110.0	) dBuV/m									
60						1 X	A		PART 15C (PEAI	
10.0 23	38.000 23	48.00 23	358.00	2368.00 23	378.00 2388	.00 239	8.00 240	B.00 2418	.00 :	2438.00 MH
				Reading	Correc	t Mea	asure-		Over	
No	o. Mk.	Fre	q.	Level	Facto	r m	ent	Limit	Ovei	
No	0. Mk.	Fre			Factor dB/m			Limit dBuV/m	dB	Detecto
	0. Mk.		Z	Level		dB	ent			
1	o. Mk.	MHz	z )00	Level dBuV	dB/m	dB 45	ent uV/m	dBuV/m	dB	peak
1 2 3	v. Mk.	MHz 2390.0	000	dBuV 44.25	dB/m 0.77	dB 45 33	ent uV/m 5.02	dBuV/m 74.00 54.00	dB -28.98	peak AVG



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:U I.	UT:		Table	et PC		a	Mod	del:			PTV-R78-3288		
em	peratu	re:	25 °C	C	M	33	Rel	ative H	Humid	dity:	55%	AB	
est	Voltag	e:	DC 3	3.7V			mil	1		Cu	11.30		
nt.	Pol.		Horiz	ontal		C. R. H.				6		A D	
est	Mode:		TX B	Mode	2462	2MHz		With	الالا				
tem	ark:		N/A	173		-	310	Comment	-	m'	35		
110.0	dBuV/m												
60			M	2 **		3 ×					PART 15C (PE.		
	86.000 244	6.00 2	456.00	2466.00	247	76.00 248 <del>6</del>	.00 2	496.00	2506.00	2510	6.00	2536.00	МН
243	96.000 244 D. Mk.	6.00 2		2466.00 Read Lev	ling	Correct Facto	t Me	496.00 easure	9-	o 2510 imit	o.oo Over	2536.00	м
243			q.	Read	ling el	Correc	t Me	easure	9- L		Over	2536.00 Dete	
NO.	o. Mk.	Fre	q. z	Read Lev	ling el	Correct Facto	t Me	easure ment	9- L	imit  BuV/m	Over	Dete	ecto
No.	). Mk.	Fre MH	q. z 700	Read Lev	ling el v	Correct Facto	t Me r r	easure ment  BuV/m	e- L	.imit  BuV/m undamer	Over	Dete	
	). Mk.	Fre MH 2462.	q. z 700	Read Lev dBu	ling el v 97	Correct Facto dB/m 1.08	t Mer	easure ment BuV/m 94.05	e- L	.imit  BuV/m undamer	Over dB	Dete	ecto



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EU	Γ:		Table	t PC	1 N	Mode	l:		PTV-R78-	-3288	
Ten	nperatu	ıre:	25 ℃	610	130	Relati	ve Hu	umidity:	55%		P
Tes	t Volta	ge:	DC 3.	.7V		J'E		6.11	11:30		
Ant	. Pol.		Vertic	al	A RAIL						h
Tes	t Mode	:	ТХВ	Mode 246	S2MHz	- 6	11/12		O W		
Rer	nark:		N/A	Alle		1			35		É
110.	0 dBuV/n	)									
60			, ; , ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	2 ×	3 X 4 X				PART 15C (PEA		
											Ĺ
		47.00 2	457.00	2467.00 2	477.00 <b>248</b> 7	.00 249	7.00	2507.00 2517	7.00	2537.00	M
	437.000 24	47.00 2	457.00		477.00 2487			2507.00 2517	7.00	2537.00	<u>м</u> і
2			ı	2467.00 2 Reading Level	477.00 2487 Correct Factor	Mea	sure-	2507.00 2517 Limit	Over	2537.00	   MI
	437.000 24		q.	Reading	Correct	: Mea me	sure-			2537.00 Detect	
N	437.000 24	Fre	q. z	Reading Level	Correct Factor	Mea me	sure- ent	Limit dBuV/m	Over		to
No.	437.000 24 O. Mk.	Fre MH:	q. z 200	Reading Level dBuV	Correct Factor	Mea me dBu	sure- ent iV/m	Limit dBuV/m	Over	Detect	to
2	437.000 24 O. Mk.	Fre MH: 2461.2	q. z 200	Reading Level dBuV 92.87	Correct Factor dB/m 1.07	Mea me dBu 93	sure- ent iV/m .94	Limit dBuV/m	Over dB	Detect	to



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EUT:		Tabl	Tablet PC			l:		PTV-R78-3288		
Temp	eratu	re:	25 °	C	130	Relati	ve Hu	midity:	55%	A STATE
est '	Voltaç	ge:	DC:	3.7V		11:0		(71)	11:30	
۸nt. ا	Pol.		Hori	zontal	I THE		1		A	MIL
est	Mode	:	TX	3 Mode 241	2MHz		1112		2 M	Market
Rema	ark:		N/A	130		1 8			13	
110.0	dBuV/m									
								X 3		
									~	
								(RF) FCC	PART 15C (PEAR	g
60								(DE) EC	PART 15C (AVC	2)
						1		(nr) rot	FANT TOCKAVE	"
						×	/			
						2 X				
10.0 2338	3.000 23	48.00 2	358.00	2368.00 23	78.00 2388.0	00 2398.	.00 24	408.00 <b>241</b> 8	.00 2	2438.00 MF
				Reading	Correct	Mea	sure-			
No	. Mk	. Fre	eq.	Level	Factor			Limit	Over	
		MH	z	dBuV	dB/m	dBu	ıV/m	dBuV/m	dB	Detecto
1		2390.	000	45.33	0.77	46	.10	74.00	-27.90	peak
2		2390.	000	33.93	0.77	34	.70	54.00	-19.30	AVG
	X	2413.		94.95	0.86		.81		tal Frequency	peak
3										
3	*	2416.	200	84.91	0.88	85	.79	Fundamen	tal Frequency	AVG



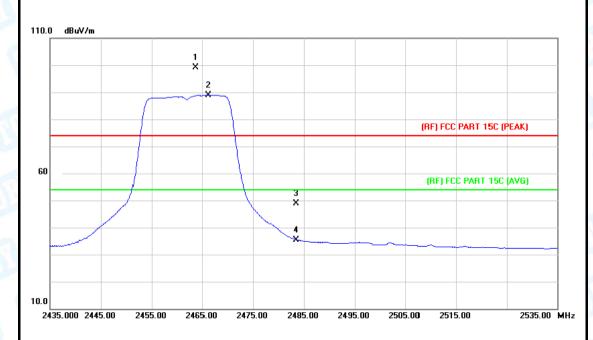
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EUT:		Table	et PC		Model:		PTV-R78-3288		
Гет	peratu	ıre:	25 °	С	TIME TO	Relative H	umidity:	55%	A Brown
Test	t Volta	ge:	DC 3	3.7V		2.6	GU	1133	
۱nt.	Pol.		Verti	ical	a AMO		10		
Test	t Mode	:	TX	Mode 24	412MHz	THE		S W	The same
Ren	nark:		N/A	ABOVE		1		131	
110.0	dBuV/m								
								4 ×	
							3 X	~~	
							(BE) ECC	PART 15C (PEA	m
							(NF) FCC	PANT TOC (FEA	N)
60							(RF) FCC	PAR 15C (AV	G)
-					*	·		-	
					2				
					×				
0.0									
	38.000 23	48.00 23	358.00	2368.00	2378.00 2388.00	0 2398.00 2	408.00 2418	.00	2438.00 MH
				Reading	g Correct	Measure-			
N	o. Mk	. Fre	q.	Level	Factor	ment	Limit	Over	
		MH	z	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detecto
1		2390.0	000	49.49	0.77	50.26	74.00	-23.74	peak
2		2390.0		34.20	0.77	34.97	54.00	-19.03	AVG
	*	2417.4		85.25	0.89	86.14		al Frequency	AVG
				95.11	0.89	96.00		al Frequency al Frequency	peak
3	X	2419.4	100	900	II AG				



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EUT:	Tablet PC	Model:	PTV-R78-3288
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz	MIDE	THE PARTY OF THE P
Remark:	N/A		133



No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2463.700	97.94	1.08	99.02	Fundamental	Frequency	peak
2	*	2466.100	87.85	1.09	88.94	Fundamenta	l Frequency	AVG
3		2483.500	47.64	1.17	48.81	74.00	-25.19	peak
4		2483.500	34.31	1.17	35.48	54.00	-18.52	AVG



3

4

Report No.: TB-FCC155687

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EUT:			Tablet PC			Mo			PTV-R7	PTV-R78-3288	
Temp	peratu	re:	25 °C	C		33	Re	elative l	Humidity:	55%	ART
Test	Voltag	je:	DC 3	3.7V					611	1,30	
Ant.	Pol.		Verti	cal					av		W.
Test	Mode:		TX C	Moc	de 2462	2MHz				a 1	
Rema	ark:		N/A		1	1		Comment		13	
110.0	dBuV/m										
			1 X	2 X							
									(RF) FCC	PART 15C (PE	AK)
60									(RF) FCC	: PART 15C (A	VG)
	,,,,,					3 X 4 X		-			
10.0											
	38.000 24	48.00 2	2458.00	2468	.00 24	78.00 2486	B.00 2	498.00	2508.00 2518	.00	2538.00 MHz
No	. Mk.	Fre	q.		iding vel	Correc Factor		asure- nent	Limit	Over	
		MH	Z	dB	₿uV	dB/m	d	BuV/m	dBuV/m	dB	Detector
1	Χ	2459.0	000	97	.74	1.06	9	08.80	Fundamental	l Frequency	peak
2	*	2465.2	200	86	.99	1.09	8	80.88	Fundamenta	l Frequency	AVG

**Emission Level= Read Level+ Correct Factor** 

46.47

34.86

1.17

1.17

47.64

36.03

-26.36

-17.97

peak

AVG

74.00

54.00

2483.500

2483.500



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EUT:		Table	et PC		Model:		PTV-R78-3288		
Гem	perati	ıre:	25 °C	C	33	Relative	Humidity:	55%	The same
Test	t Volta	ge:	DC 3	3.7V		ALL A	611	1:32	
4nt	. Pol.		Horiz	zontal	AND		aw		
Test	t Mode	<b>)</b> :	TXN	I(HT20) Mo	de 2412MH	lz		2 W	A Park
Ren	nark:		N/A	Ann		N Com		13	
110.0	0 dBuV/	m							
10.0	338.000 2	240.00	2358.00	2368.00 23	78.00 2388.00			PART 15C (PEAN	
NI.	o. Mk	Ero		Reading	Correct	Measure	- Limit	Over	
IN	O. IVIK	. Fre		Level	Factor	ment dBuV/m	dBuV/m	dB	Detecto
					dB/m				
4		0000	-		0.77	46.74	74.00	-27.26	peak
_		2390.		45.97					
_		2390. 2390.		34.19	0.77	34.96	54.00	-19.04	AVG
1 2 3	*		000				54.00 Fundamenta		AVG AVG



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EUT	EUT:					Model	:		PTV-R78-3288	
Tem	peratu	re:	25 °	C	197	Relativ	ve Hu	ımidity:	55%	
Test	t Volta	je:	DC 3	3.7V		Sign		(A)	11:30	
Ant.	Pol.		Verti	cal	A BAT					
Test	t Mode	:	TXN	N(HT20) Mc	de 2412M	Hz	1116		a W	A Park
Ren	nark:		N/A	ABOVE		1 6			35	
110.0	dBuV/m									
								3 X (RF) FCC	A X PART 15C (PEAI	ζ)
60						1 X		(RF) FC	C PARY 15C (AV	ā)
						2 X				Man
10.0										
	0. Mk.		358.00 PQ_	Reading	Correct	Meas	sure-	2408.00 2418 Limit	Over	2438.00 MF
		MH		dBuV	dB/m		V/m	dBuV/m	dB	Detecto
1		2390.	000	49.49	0.77	50	.26	74.00	-23.74	peak
2		2390.		34.20	0.77		.97	54.00	-19.03	AVG
3	*	2417.		85.25	0.89		.14			AVG
	X	2419.		95.11	0.89	96		Fundamenta	ıı rıequency	peak



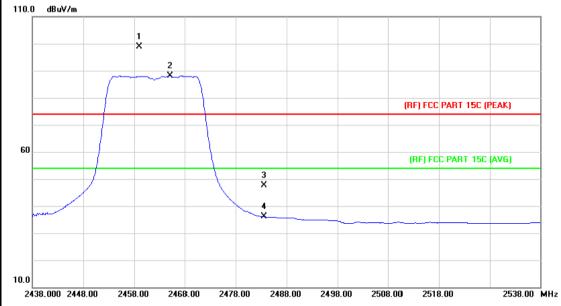
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EUT:			Table	et PC		Mo	odel:		PTV-R7	8-3288	3
Гетр	eratu	re:	25 °	C	CENT	Re	lative	Humidity:	55%		ď
Test \	/oltag	je:	DC 3	3.7V		1107		GUI	1133		
Ant. F	ol.		Horiz	zontal	~ W	U.S.		a v			
Test N	/lode		TXN	I(HT20) I	Mode 2462	MHz	11/17	1) (1)			
Rema	rk:		N/A	Rin		51	Comment		13		ļ
110.0	dBuV/m										
				2 X	7			(RF) FCC	PART 15C (PEA	K)	
60								(05) 50	. D. D. T. J. F. C. L. L.		
		+				3		(KF) FUL	PART 15C (AV	6)	
						×					
						·					
10.0											
	.000 24	44.00 2	454.00	2464.00	2474.00 24	184.00 24	494.00	2504.00 2514	.00	2534.00 N	мH
No.	Mk.	. Fre	eq.	Readir Level	_		easure ment	- Limit	Over		
		MH	z	dBuV	dB/m	d d	BuV/m	dBuV/m	dB	Detect	to
1	*	2465.	100	87.14	1.09	) (	38.23	Fundamental	Frequency	AVO	G
•	Х	2467.	900	97.48	1.10	) (	98.58	Fundamental	Frequency	pea	ık
2							10.44	74.00			ık
2		2483.	500	46.97	1.17	, L	18.14	74.00	-25.86	pea	ıп



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EUT:	Tablet PC	Model:	PTV-R78-3288
Temperature:	<b>25</b> ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V	0.0	The second
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2462M	Hz	
Remark:	N/A		133
	•		



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2459.000	97.74	1.06	98.80	Fundamental	Frequency	peak
2	*	2465.200	86.99	1.09	88.88	Fundamental	Frequency	AVG
3		2483.500	46.47	1.17	47.64	74.00	-26.36	peak
4		2483.500	34.86	1.17	36.03	54.00	-17.97	AVG



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		Table	et PC		Model:		PTV-R78-328		
Temp	perature:	25 °C	2	33	Relative Humidity:		55%		
Test	est Voltage: DC 3.7V				NO P	CIL	1139		
Ant. Pol.			lorizontal						
Test	Mode:	TXN	TX N(HT40) Mode 2422MHz						
Rema	ark:	N/A	Alle		1		13		
110.0	dBuV/m	·							
60			1 X 2 X				PART 15C (PEAK		
10.0 235	9.000 2369.00	2379.00	2389.00 23	99.00 2409.00	2419.00 2	429.00 2439.	00 2	459.00 MHz	
No	. Mk. F	req.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
No		req.	_			Limit dBuV/m	Over	Detecto	
	N		Level	Factor	ment				
1	2390	IHz	Level dBuV	Factor dB/m	ment dBuV/m	dBuV/m	dB	peak	
No. 1 2	2390 2390	1Hz 0.000	dBuV 47.54	dB/m 0.77	ment dBuV/m 48.31	dBuV/m 74.00	dB -25.69 -18.11	Detecto peak AVG	



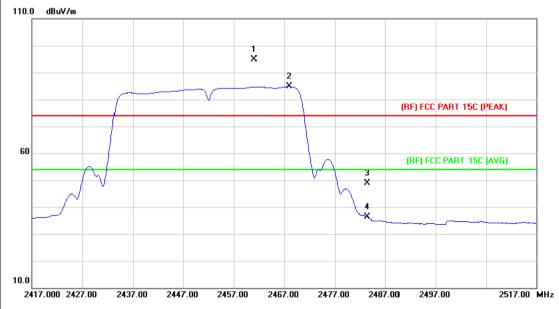
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ature: tage: de:	25 °C DC 3 Vertic TX N N/A	.7V cal	Mode 242	22MHz		ive Hu	umidit	y:	55%		
de:	Vertice TX N	cal	Mode 242	22MHz	2 1	IID.			) E	W.	3
de:	TX N		Mode 242	22MHz	2	ID			3	OD)	3
		(HT40) N	Mode 242	22MHz		IID)	- TI	111	) W	Ulsa	
	N/A						6.10				
uV/m											- 1
											_
							X 3				
								4 ×			
						V	(RF)	FCC PA	RT 15C (PEA	K)	
											1
							(D)	) FCC 0	ADB 150 (AV	(C)	
		*	1				(ni		P( )	ш	
			J   v						4		
											-
2370.00 2	2380.00	2390.00	2400.00	2410.00	2420.0	0 24	30.00	2440.00	)	2460.00	_ MH
		Doadin	a Cor	rect	Meas	uro-					
lk. Fre	q.		_				Lim	it	Over		
МН	z	dBuV					dBu\	//m	dB	Dete	cto
2390.	000	49.68			50.	45	74.	00	-23.55	pe	ak
2390.	000	35.64	0.7	77	36.	41	54.	00			
2430.	800	93.64	0.9	95	94.	59	Fundan	nental l	Frequency	pe	ak
2438.	000	83.43	0.9	98	84.	41	Fundan	nental l	Frequency	A۱	/G
	1k. Fre MH 2390.0 2390.0 2430.0	1k. Freq. MHz 2390.000 2390.000	Readin  1k. Freq. Level  MHz dBuV  2390.000 49.68  2390.000 35.64  2430.800 93.64	Reading Cor Ik. Freq. Level Factors and MHz dBuV dB/ 2390.000 49.68 0.7 2390.000 35.64 0.7 2430.800 93.64 0.9	Reading Correct Level Factor  MHz dBuV dB/m  2390.000 49.68 0.77  2390.000 35.64 0.77  2430.800 93.64 0.95	Reading Correct Meas Level Factor me MHz dBuV dB/m dBuV 2390.000 49.68 0.77 50. 2390.000 35.64 0.77 36. 2430.800 93.64 0.95 94.	Reading Correct Measure- Level Factor ment  MHz dBuV dB/m dBuV/m  2390.000 49.68 0.77 50.45  2390.000 35.64 0.77 36.41  2430.800 93.64 0.95 94.59	Reading Correct Measure- Level Factor ment Limi MHz dBuV dB/m dBuV/m dBuV 2390.000 49.68 0.77 50.45 74.  2390.000 35.64 0.77 36.41 54.  2430.800 93.64 0.95 94.59 Fundan	Reading Correct Measure- Level Factor ment Limit  MHz dBuV dB/m dBuV/m dBuV/m  2390.000 49.68 0.77 50.45 74.00  2430.800 93.64 0.95 94.59 Fundamental 1	Reading Correct Measure- Level Factor ment Limit Over  MHz dBuV dB/m dBuV/m dBuV/m dB  2390.000 49.68 0.77 50.45 74.00 -23.55  2390.000 35.64 0.77 36.41 54.00 -17.59  2430.800 93.64 0.95 94.59 Fundamental Frequency	Reading Correct Measure-    No.   Reading Correct Measure-   Level Factor ment Limit Over



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EUT:	Tablet PC	Model:	PTV-R78-3288
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode	2452MHz	
Remark:	N/A		133
110.0 dBuV/m			



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		X	2461.100	93.93	1.06	94.99	Fundamental	Frequency	peak
2		*	2468.000	83.67	1.11	84.78	Fundamental	Frequency	AVG
3			2483.500	47.71	1.17	48.88	74.00	-25.12	peak
4			2483.500	35.09	1.17	36.26	54.00	-17.74	AVG



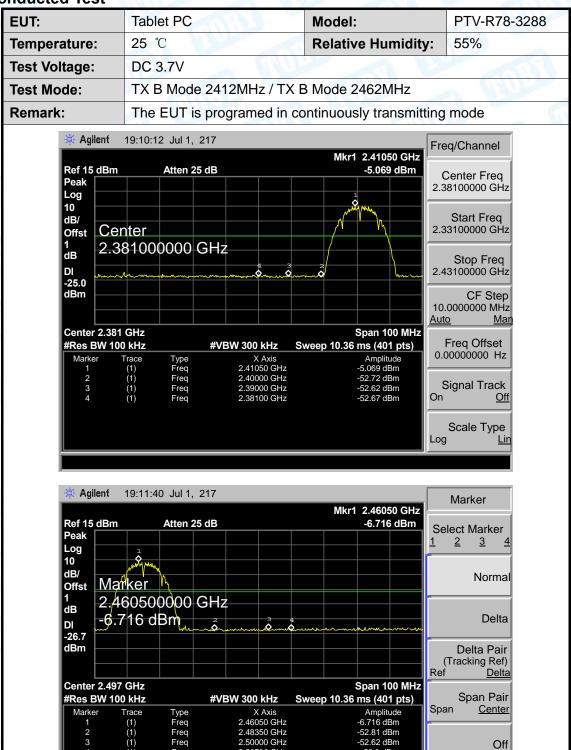
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EUT			Table	et PC	0 1	Model:		PTV-R78-3288	
Tem	peratu	re:	25 °C	C	33	Relative Hu	midity:	55%	مطلق
Test	t Voltaç	ge:	DC 3	3.7V					
Ant.	. Pol.		Verti	cal	A PULL		A W		
Test	t Mode	:	TXN	I(HT40) Mod	de 2452MH	z MMD		2 M	1 haden
Ren	nark:		N/A	A Brief		1		10	_ {
110.0	) dBuV/m	ı							
				1 X					
				2					
						\		DIDT 150 (551)	
		+ /					(RF) FCC	PART 15C (PEAK	J
60		$\Delta L$					(RF) FC	C PART 15C (AVG	1
		1 7				√√ × ×			
		<b>*</b>							
10.0									
10.0 24	  17.000 24	27.00	2437.00	2447.00 24	57.00 2467.00	2477.00 2	487.00 249	7.00 2	517.00 MHz
				Reading	Correct	Measure-			
Ν	o. Mk	. Fre	eq.	Level	Factor	ment	Limit	Over	
		MH		dBuV	dB/m	dBuV/m	dBuV/m	n dB	Detector
4	V								
1	Х	2449.		94.73	1.02	95.75	Fundament	al Frequency	peak
2	*	2455.	.000	84.29	1.05	85.34	Fundament	al Frequency	AVG
_					4.47	40.05	74.00	-24.35	peak
3		2483.	.500	48.48	1.17	49.65	74.00	-24.55	peak



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### (2) Conducted Test



2.50700 GHz

-52.9 dBm

Off

More 1 of 2



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Γ:	Tablet PC		Model:	PTV-R78-3288
nperature:	25 ℃	(A)	Relative Humidity:	55%
t Voltage:	DC 3.7V		170	
t Mode:	TX G Mode 24	12MHz / TX	G Mode 2462MHz	
mark:	The EUT is pro	gramed in co	ontinuously transmittin	g mode
* Agilent	19:12:47 Jul 1, 217		Г	Marker
Def 45 dDm	A44 05 dD		Mkr1 2.41150 GHz	iviarker
Ref 15 dBm Peak	Atten 25 dB		-11.62 dBm	Select Marker
Log 10				
dB/ Offst Ma	rker			Normal
1 2.4	11500000 GHz			
<sub>DI</sub> -11	.62 dBm	4	ima -	Delta
-31.6 dBm				_ Delta Pair
			R	(Tracking Ref) ef <u>Delta</u>
Center 2.377 #Res BW 10		BW 300 kHz S	Span 100 MHz weep 10.36 ms (401 pts)	Span Pair
	Trace Type	X Axis 2.41150 GHz	Amplitude -11.62 dBm	pan <u>Center</u>
2 3	(1) Freq (1) Freq (1) Freq (1) Freq	2.40000 GHz 2.39000 GHz	-51.95 dBm -52.98 dBm	Off
3				
4	(1) Freq	2.37375 GHz	-52.41 dBm	
4	(1) Freq		-52.41 dBm	More
4	(1) Freq		-52.41 dBm	
4	(1) Freq		-52.41 dBm	More
<b>★</b> Agilent	(1) Freq 19:13:35 Jul 1, 217			More
4			Mkr1 2.45575 GHz	More 1 of 2
Agilent  Ref 15 dBm Peak	19:13:35 Jul 1, 217		Mkr1 2.45575 GHz	More 1 of 2
# Agilent  Ref 15 dBm  Peak Log 10	19:13:35 Jul 1, 217		Mkr1 2.45575 GHz -11.62 dBm	More 1 of 2  Marker  Select Marker 2 3 4
Agilent  Ref 15 dBm Peak Log 10 dB/ Offst  Ma	19:13:35 Jul 1, 217  Atten 25 dB	2.37375 GHz	Mkr1 2.45575 GHz -11.62 dBm	More 1 of 2  Marker  Select Marker
Ref 15 dBm Peak Log 10 dB/ Offst 1 dB	19:13:35 Jul 1, 217  Atten 25 dB  rker 55750000 GHz	2.37375 GHz	Mkr1 2.45575 GHz -11.62 dBm	More 1 of 2  Marker  Select Marker 2 3 4  Normal
Ref 15 dBm Peak Log 10 dB/ Offst 1 dB DI	19:13:35 Jul 1, 217  Atten 25 dB	2.37375 GHz	Mkr1 2.45575 GHz -11.62 dBm	More 1 of 2  Marker  Select Marker 2 3 4
Agilent  Ref 15 dBm Peak Log 10 dB/ Offst 1 dB	19:13:35 Jul 1, 217  Atten 25 dB  rker 55750000 GHz	2.37375 GHz	Mkr1 2.45575 GHz -11.62 dBm	More 1 of 2  Marker  Select Marker 2 3 4  Normal  Delta  Delta
Ref 15 dBm Peak Log 10 dB/ Offst 1 dB DI -31.6 dBm	19:13:35 Jul 1, 217  Atten 25 dB  rker 55750000 GHz	2.37375 GHz	Mkr1 2.45575 GHz -11.62 dBm	More 1 of 2  Marker  Select Marker 2 3 4  Normal  Delta  Delta Pair (Tracking Ref)
Ref 15 dBm Peak Log 10 dB/ Offst 1 dB DI -31.6	19:13:35 Jul 1, 217  Atten 25 dB  rker 55750000 GHz .62 dBm 2	2.37375 GHz	Mkr1 2.45575 GHz -11.62 dBm 1 Span 100 MHz Weep 10.36 ms (401 pts)	More 1 of 2  Marker  Select Marker 2 3 4  Normal  Delta  Delta  Delta  Cracking Ref) ef  Delta  Span Pair
Agilent  Ref 15 dBm Peak Log 10	19:13:35 Jul 1, 217  Atten 25 dB  rker 55750000 GHz .62 dB m	2.37375 GHz  2.37375 GHz  3 4  4  5  X Axis 2.45575 GHz	Mkr1 2.45575 GHz -11.62 dBm  Span 100 MHz weep 10.36 ms (401 pts)  Amplitude -11.62 dBm	More 1 of 2  Marker  Select Marker 2 3 4  Normal  Delta  Delta  Delta Pair (Tracking Ref) ef Delta
Ref 15 dBm Peak Log 10 dB/ Offst 1 dB DI -31.6 dBm  Center 2.5 G #Res BW 100  Marker 1 2 3	19:13:35 Jul 1, 217  Atten 25 dB  rker 55750000 GHz .62 dBm	2.37375 GHz  2.37375 GHz  3W 300 kHz S  X Axis 2.45575 GHz 2.48350 GHz 2.50000 GHz	Mkr1 2.45575 GHz -11.62 dBm  Span 100 MHz weep 10.36 ms (401 pts)  Amplitude -11.62 dBm -52.71 dBm -52.64 dBm	More 1 of 2  Marker  Select Marker 2 3 4  Normal  Delta  Delta  Delta  Cracking Ref) ef  Delta  Span Pair
Agilent  Ref 15 dBm Peak Log 10 dB/ Offst 1 dB DI -31.6 dBm  Center 2.5 G #Res BW 10  Marker 1 2	19:13:35 Jul 1, 217  Atten 25 dB  rker 55750000 GHz .62 dBm	2.37375 GHz  2.37375 GHz  3  4  5  X Axis 2.45575 GHz 2.48350 GHz	Mkr1 2.45575 GHz -11.62 dBm  Span 100 MHz weep 10.36 ms (401 pts)  Amplitude -11.62 dBm -52.71 dBm	More 1 of 2  Marker  Select Marker 2 3 4  Normal  Delta  Delta Pair (Tracking Ref) ef Delta  Span Pair pan Center
Ref 15 dBm Peak Log 10 dB/ Offst 1 dB DI -31.6 dBm  Center 2.5 G #Res BW 100  Marker 1 2 3	19:13:35 Jul 1, 217  Atten 25 dB  rker 55750000 GHz .62 dBm	2.37375 GHz  2.37375 GHz  3W 300 kHz S  X Axis 2.45575 GHz 2.48350 GHz 2.50000 GHz	Mkr1 2.45575 GHz -11.62 dBm  Span 100 MHz weep 10.36 ms (401 pts)  Amplitude -11.62 dBm -52.71 dBm -52.64 dBm	More 1 of 2  Marker  Select Marker 2 3 4  Normal  Delta  Delta Pair (Tracking Ref) ef Delta  Span Pair pan Center



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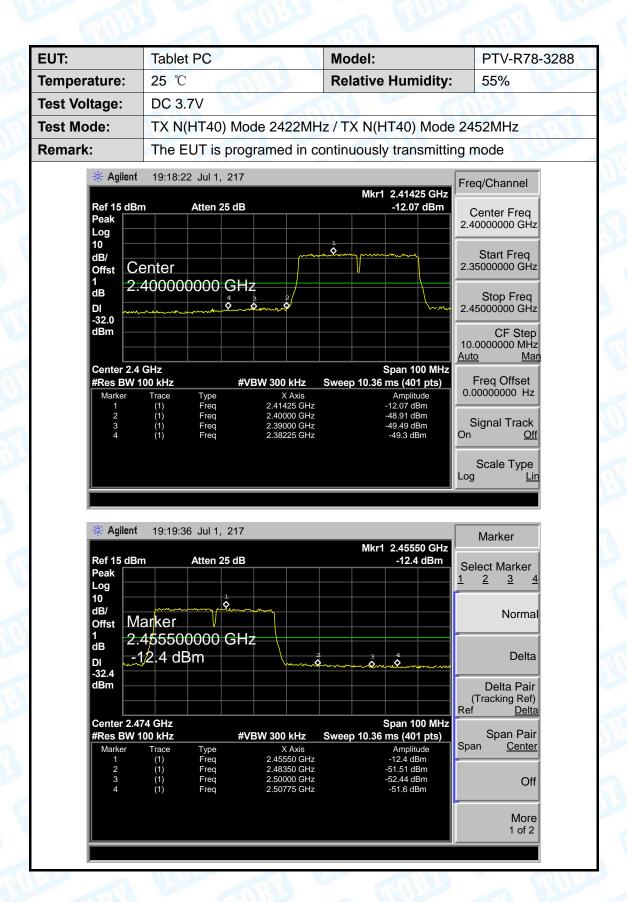


UT:	Tablet PC	Model:	PTV-R78-3288
emperature:	25 ℃	Relative Humidity:	55%
est Voltage:	DC 3.7V		1133
est Mode:	TX N(HT20) Mode	2412MHz / TX N(HT20) Mode	2462MHz
emark:	The EUT is program	med in continuously transmitting	g mode
* Agilent	19:15:09 Jul 1, 217		Marker
1 2.	arker 410000000 GHz .727 dBm &	Span 100 MHz 300 kHz Sweep 10.36 ms (401 pts)	Select Marker  1 2 3 4  Normal  Delta  Delta Pair (Tracking Ref) Ref Delta  Span Pair Span Center
2 3 4	(1) Freq 2 (1) Freq 2	2.40000 GHz -52.05 dBm 2.39000 GHz -52.7 dBm 2.37400 GHz -52.32 dBm	Off More 1 of 2
2 3	(1) Freq 2 (1) Freq 2 (1) Freq 2 (1) Freq 2	2.39000 GHz -52.7 dBm	More
2 3 4	19:15:56 Jul 1, 217	2.39000 GHz -52.7 dBm 2.37400 GHz -52.32 dBm Mkr1 2.45650 GHz -10.66 dBm	More 1 of 2
Agilent  Ref 15 dBr Peak Log 10 dB/ Offst M	19:15:56 Jul 1, 217  n Atten 25 dB	2.39000 GHz -52.7 dBm 2.37400 GHz -52.32 dBm Mkr1 2.45650 GHz -10.66 dBm	More 1 of 2  Marker  Select Marker
Agilent  Ref 15 dBr Peak Log 10 dB/ Offst 1 dB 2.	19:15:56 Jul 1, 217   Matter 25 dB	2.39000 GHz -52.7 dBm 2.37400 GHz -52.32 dBm Mkr1 2.45650 GHz -10.66 dBm	Marker  Select Marker 1 2 3 4
Agilent  Ref 15 dBr Peak Log 10 dB/ Offst 1 2- dB DI -30.6 dBm  Center 2.44 #Res BW 1	19:15:56 Jul 1, 217  n Atten 25 dB  arker 456500000 GHz 0.66 dBm	2.39000 GHz	More 1 of 2  Marker  Select Marker 1 2 3 4  Normal  Delta  Delta Pair (Tracking Ref) Ref Delta  Span Pair
Agilent  Ref 15 dBr Peak Log 10 dB/ Offst 1 dB DI -30.6 dBm  Center 2.4	19:15:56 Jul 1, 217  n Atten 25 dB  arker 456500000 GHz 0.66 dBm 2  24 GHz 100 kHz #VBW  Trace Type (1) Freq (1) Freq (1) Freq (1) Freq (1) Freq	2.39000 GHz	More 1 of 2  Marker  Select Marker 1 2 3 4  Normal  Delta Pair (Tracking Ref) Ref Delta





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## 7. Bandwidth Test

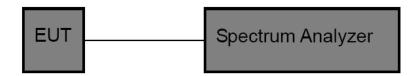
### 7.1 Test Standard and Limit

7.1.1 Test Standard FCC Part 15.247 (a)(2)

7.1.2 Test Limit

FCC P	FCC Part 15 Subpart C(15.247)/RSS-210						
Test Item	Limit	Frequency Range(MHz)					
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5					

## 7.2 Test Setup



### 7.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.
- (3)Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

## 7.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Digital photo framesdle and high channel for the test.



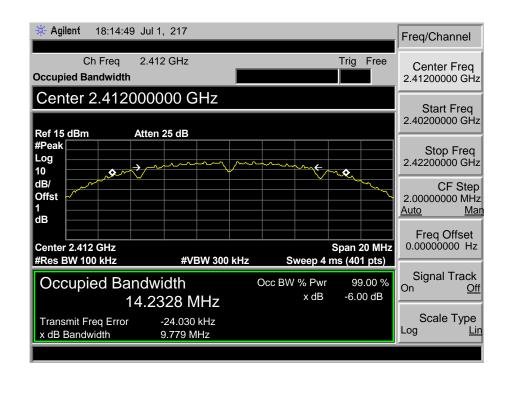
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## 7.5 Test Data

EUT:	Tablet PC	Model:	PTV-R78-3288
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	a U		
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	9.779	14.2328	
2437	9.612	9.612 14.2246	
2462	9.754	14.2271	
	802 11B	Mode	

#### 802.11B Mode

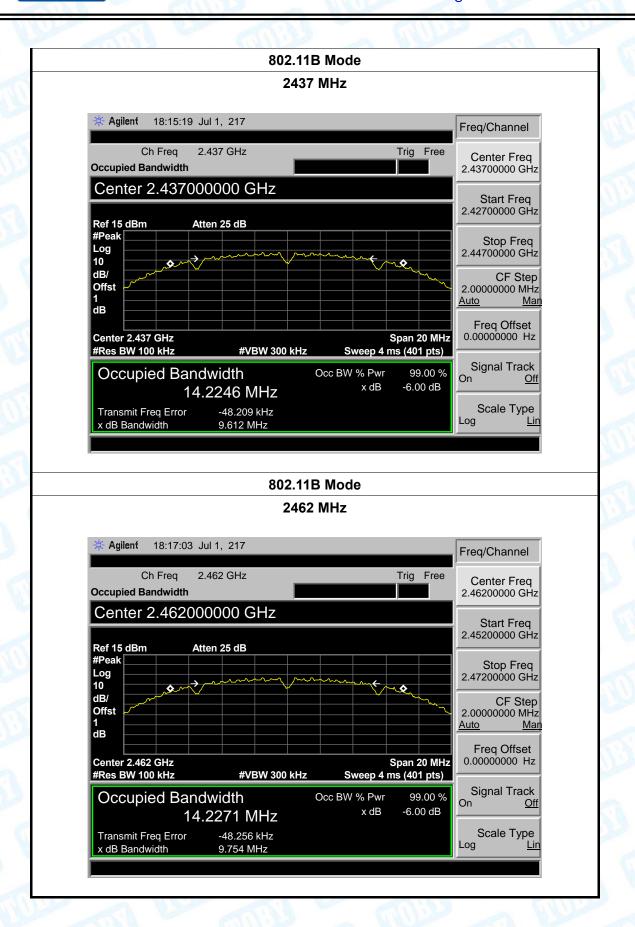
#### 2412 MHz





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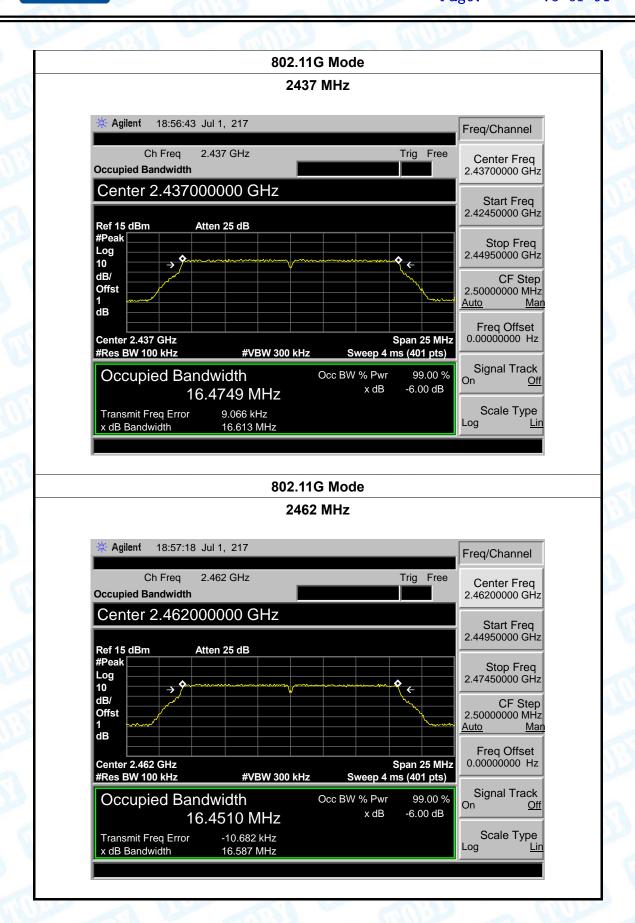


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EUT:	Tablet PC	Model:	PTV-R78-3288
Temperature:	nperature: 25 °C		55%
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11G Mode	U. C.	
Channel frequenc	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	16.603	16.4476	
2437	16.613	16.4749	>=0.5
2462	16.587	16.4510	
	802.11	G Mode	
* Agilent	18:56:07 Jul 1, 217	Fr	eq/Channel
Ch Occupied Bar	Freq 2.412 GHz		Center Freq 41200000 GHz
Ref 15 dBm #Peak	Atten 25 dB	2.5	Start Freq 39950000 GHz
Log 10 dB/ Offst 1	<b>→</b>	<b>Y C</b>	CF Step 50000000 MHz
Center 2.412 #Res BW 100		Opan 20 mile	Freq Offset 00000000 Hz
i i	ed Bandwidth 16.4476 MHz	Occ BW % Pwr 99.00 % x dB -6.00 dB	
Transmit Fre		Lo	Scale Type



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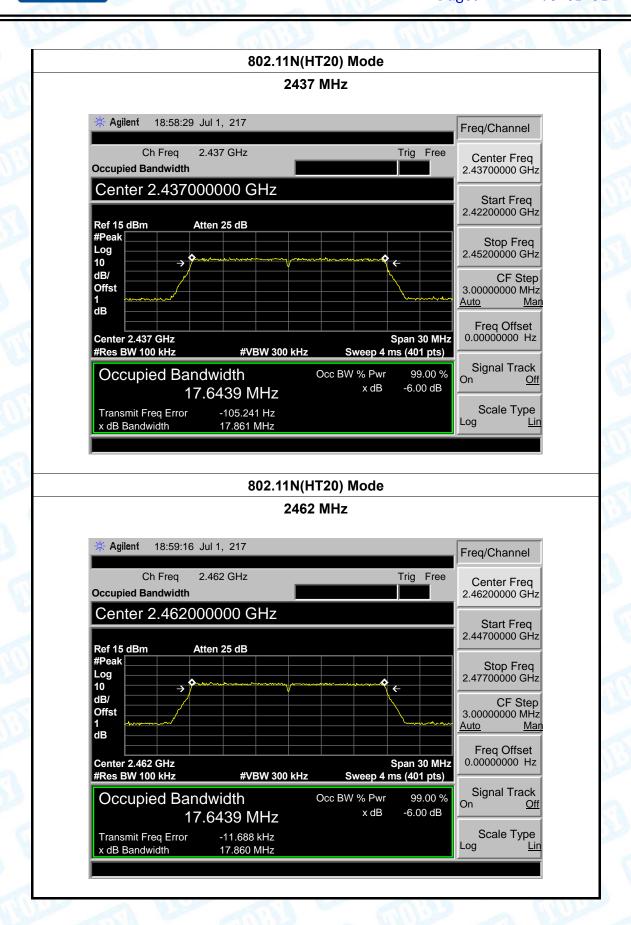


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JT: Tablet PC		Model:	PTV-R78-3288
mperature:	25 ℃	Relative Humidity:	55%
st Voltage:	DC 3.7V	THE PARTY OF	1339
st Mode:	TX 802.11N(HT20) Mode		
nannel frequenc	y 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	17.808	17.6385	
2437	17.861	17.6439	>=0.5
2462	17.860	17.6439	
	802.11N(HT	20) Mode	1
* Agilent	18:57:52 Jul 1, 217	Fre	eq/Channel
Ch Occupied Ban	Freq 2.412 GHz	Trig Free	eq/Channel Center Freq 41200000 GHz
Occupied Ban Center 2	Freq 2.412 GHz adwidth .412000000 GHz	Trig Free 2.4	Center Freq
Center 2  Ref 15 dBm #Peak Log 10	Freq 2.412 GHz	Trig Free 2.4	Center Freq 41200000 GHz Start Freq
Center 2  Ref 15 dBm #Peak Log	Freq 2.412 GHz adwidth .412000000 GHz	Trig Free 2.4	Center Freq 41200000 GHz  Start Freq 39700000 GHz  Stop Freq 42700000 GHz  CF Step
Ch Occupied Ban Center 2  Ref 15 dBm #Peak Log 10 dB/ Offst 1	Atten 25 dB  GHz	Trig Free 2.4	Center Freq 41200000 GHz  Start Freq 39700000 GHz  Stop Freq 42700000 GHz  CF Step
Center 2  Ref 15 dBm #Peak Log 10 dB/ Offst 1 dB  Center 2.412 #Res BW 100	Atten 25 dB  GHz kHz #VBW 300 kHz	Trig Free 2.4 2.3 2.4 Span 30 MHz Sweep 4 ms (401 pts)	Center Freq 41200000 GHz  Start Freq 39700000 GHz  Stop Freq 42700000 GHz  CF Step 00000000 MHz to Man  Freq Offset 00000000 Hz  Signal Track



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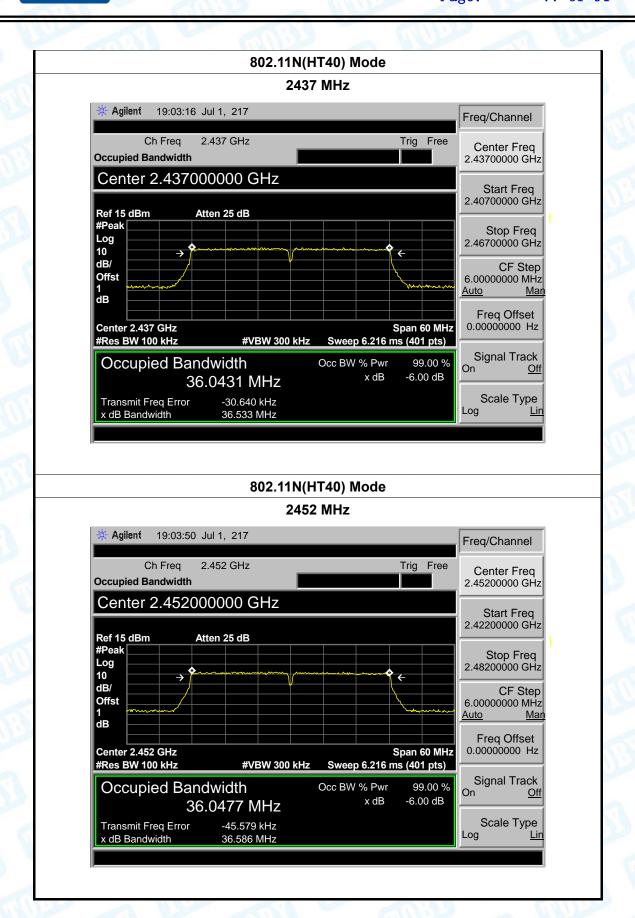


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UT:	Tablet PC	Model:	PTV-R78-3288
emperature:	25 ℃	Relative Humidity:	55%
est Voltage:	DC 3.7V	The state of the s	10
est Mode:	TX 802.11N(HT40) Mode		11:15
hannel frequenc	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2422	36.318	36.0249	
2437	36.533	36.0431	>=0.5
2452	36.586	36.0477	
	802.11N(H	T40) Mode	
	2422	MHz	
Cr Occupied Ba		Trig Free	Center Freq 2.42200000 GHz
Occupied Bar Center 2 Ref 15 dBm #Peak	ı Freq 2.422 GHz	Trig Free 2	Center Freq 2.42200000 GHz Start Freq 2.39200000 GHz
Occupied Bar Center 2	2.422 GHz Indwidth 2.422000000 GHz	Trig Free 2	Center Freq 2.42200000 GHz Start Freq 2.39200000 GHz Stop Freq 2.45200000 GHz CF Step 5.00000000 MHz uto Man
Center 2  Ref 15 dBm #Peak Log 10 dB/ Offst 1	2.422 GHz Indwidth  2.422000000 GHz  Atten 25 dB  GHz	Trig Free 2 2 2 2 Span 60 MHz	Center Freq 2.42200000 GHz Start Freq 2.39200000 GHz Stop Freq 2.45200000 GHz CF Step 3.00000000 MHz uto Man Freq Offset 0.000000000 Hz
Center 2  Ref 15 dBm #Peak Log 10 dB/ Offst 1 dB  Center 2.422 #Res BW 100	Atten 25 dB  GHz 0 kHz  #VBW 300 kHz	Trig Free 2 2 2 3 4 5 Span 60 MHz	Center Freq 2.42200000 GHz  Start Freq 2.39200000 GHz  Stop Freq 2.45200000 GHz  CF Step 5.00000000 MHz uto  Man  Freq Offset 0.00000000 Hz  Signal Track



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# 8. Peak Output Power Test

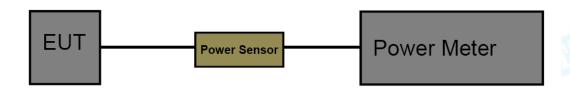
### 8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210			
Test Item Limit Frequency Range(MH			
Peak Output Power	1 Watt or 30 dBm	2400~2483.5	

# 8.2 Test Setup



#### 8.3 Test Procedure

The measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance v04. The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

# 8.4 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.



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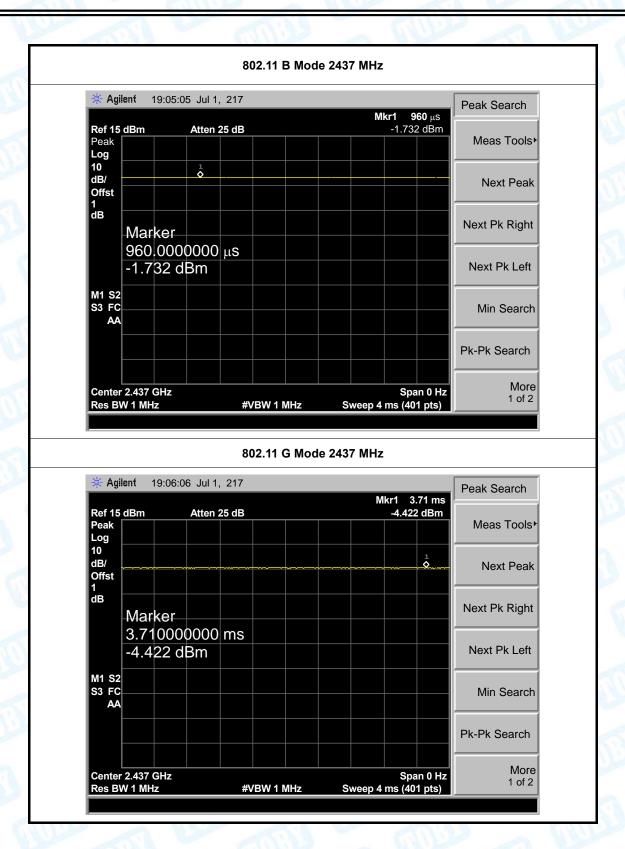
# 8.5 Test Data

EUT:	Tablet PC	Model:	PTV-R78-3288
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		6001313
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	8.73	
802.11b	2437	8.30	
	2462	7.28	
	2412	7.84	30
802.11g	2437	7.61	
	2462	7.16	
802.11n	2412	7.29	30
(HT20)	2437	7.10	
(11120)	2462	6.95	
802.11n	2422	7.75	
(HT40)	2437	7.61	
(11140)	2452	7.20	
	Resu	ult: PASS	

Duty Cycle	
Channel frequency (MHz)	Test Result
2412	
2437	
2462	
2412	
2437	
2462	> 000/
2412	>98%
2437	
2462	
2422	
2437	
2452	
	2412 2437 2462 2412 2437 2462 2412 2437 2462 2422 2437

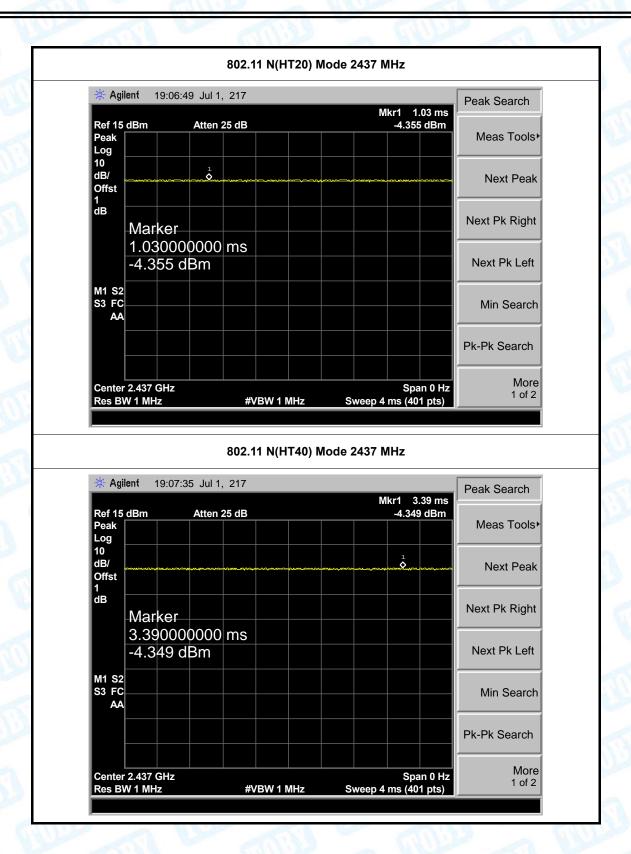


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# 9. Power Spectral Density Test

#### 9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.247 (e)

9.1.2 Test Limit

FCC Part 15 Subpart C(15.247)			
Test Item	Frequency Range(MHz)		
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5	

## 9.2 Test Setup



#### 9.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v04.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser center frequency to DTS channel center frequency.
- (3) Set the span to 1.5 times the DTS bandwidth.
- (4) Set the RBW to: 3 kHz(5) Set the VBW to: 10 kHz
- (6) Detector: peak(7) Sweep time: auto
- (8) Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

## 9.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Digital photo framesdle and high channel for the test.



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## 9.5 Test Data

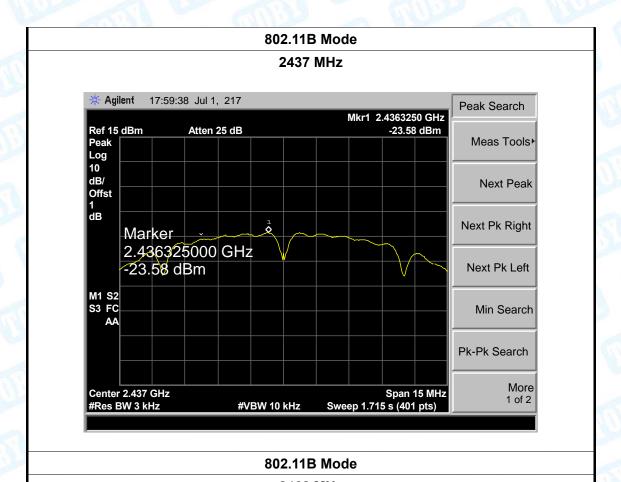
EUT:	Tablet PC	4000	Model:	PTV-R78-3288	
Temperature:	25 ℃		Relative Humidity:	55%	
Test Voltage:	DC 3.7V				
Test Mode:	TX 802.11	1B Mode	2 Diller	0	
Channel Frequency		Power Density		Limit	
(MHz)		(3 kHz/dBm)		(dBm)	
2412	2412		-23.13		
2437		-23.58		8	
2462	2462 -24.50		50		
802.11B Mode					

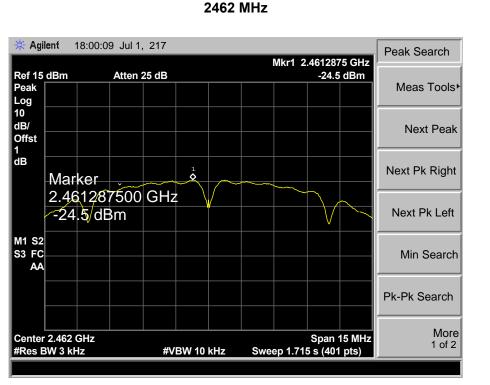
#### 2412 MHz





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Center 2.412 GHz #Res BW 3 kHz Report No.: TB-FCC155687

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Min Search

More 1 of 2

Pk-Pk Search

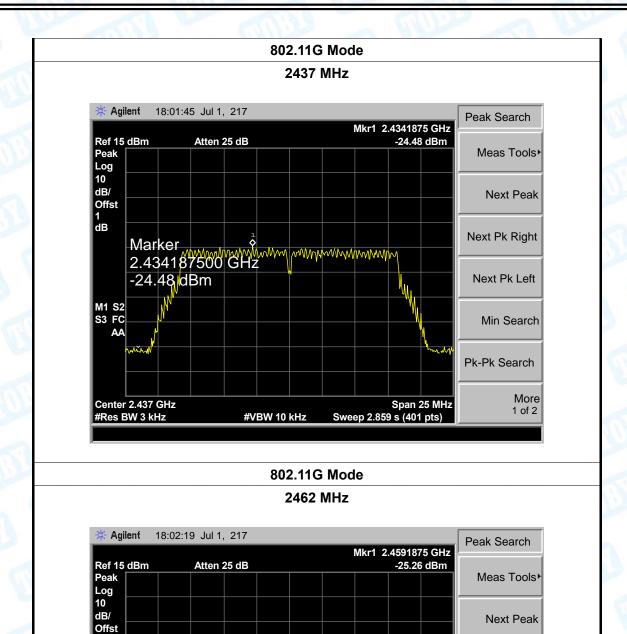
Span 25 MHz Sweep 2.859 s (401 pts)

EUT:	Tablet PC		N	lodel:	PTV-R78-3288
Temperature:	25 ℃	Comme	Т	emperature:	25 ℃
Test Voltage:	DC 3.7V	P. Carrie			
Test Mode:	TX 802.1	IG Mode	HU		
Channel Fi	requency	Powe	er Density	/	Limit
(MH	lz)	(3 k	Hz/dBm)		(dBm)
241	12	-	24.63		
243	37	-	24.48		8
246	62	-	25.26		
		802.	11G Mode	)	
		24	12 MHz		
* Agile	nt 18:01:10 Jul 1	, 217			Peak Search
Ref 15 d	Bm Atten	25 dB	M	kr1 2.4091875 GHz -24.63 dBm	
Peak	Atten	25 UB		-24.63 dBill	Meas Tools <b></b>
Log 10					
dB/ Offst					Next Peak
1 dB				-	
	Marker Marker	1	00000004//004	n ak . 0.00 a	Next Pk Right
	Marker 2.409187500	GHz	MANAMANAMA	MIMANA	
	-24.63 dBm				Next Pk Left

#VBW 10 kHz



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dΒ



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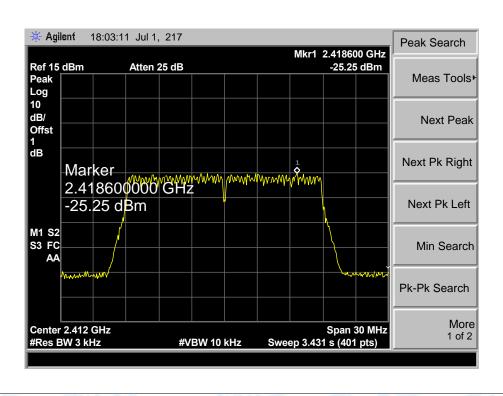
EUT:	Tablet PC	Model:	PTV-R78-3288
Temperature:	25 ℃	Temperature:	25 ℃
Test Voltage:	DC 3.7V	11 - 6	

Test Mode: TX 802.11N(HT20) Mode

Channel Frequency	Power Density	Limit		
(MHz)	(3 kHz/dBm)	(dBm)		
2412	-25.25			
2437	-24.89	8		
2462	-25.89			

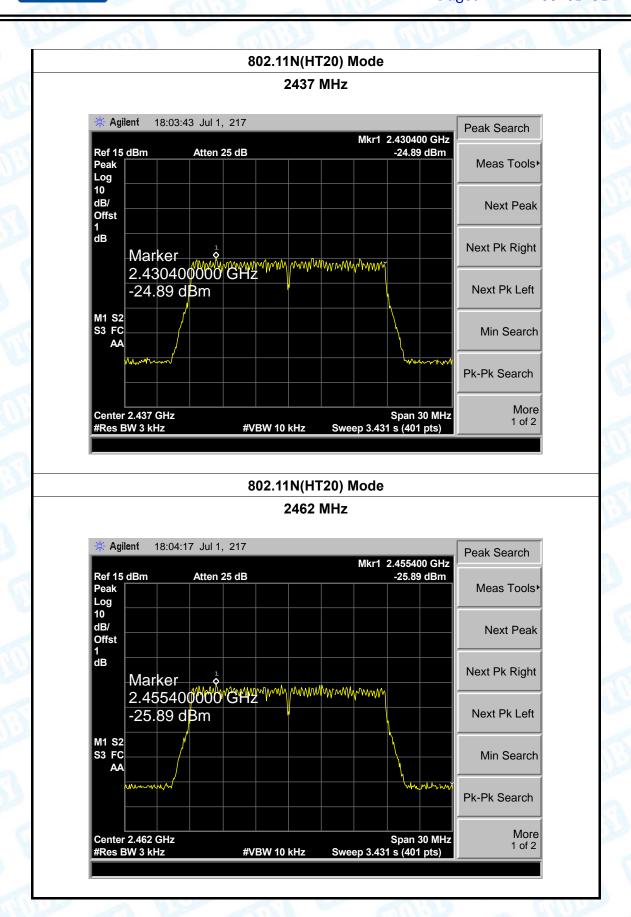
### 802.11N(HT20) Mode

#### 2412 MHz





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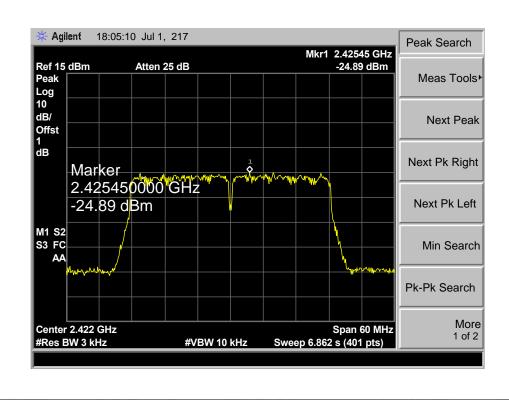
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Channel Frequency Power D		Power Dens	sity	Limit
Test Mode:	TX 802.11N(HT40) Mode			
Test Voltage:	DC 3.7V			
Temperature:	25 ℃		Temperature:	25 ℃
EUT:	Tablet PC		Model:	PTV-R78-3288

Channel Frequency	Power Density	Limit
(MHz)	(3 kHz/dBm)	(dBm)
2422	-24.89	
2437	-24.66	8
2452	-25.20	

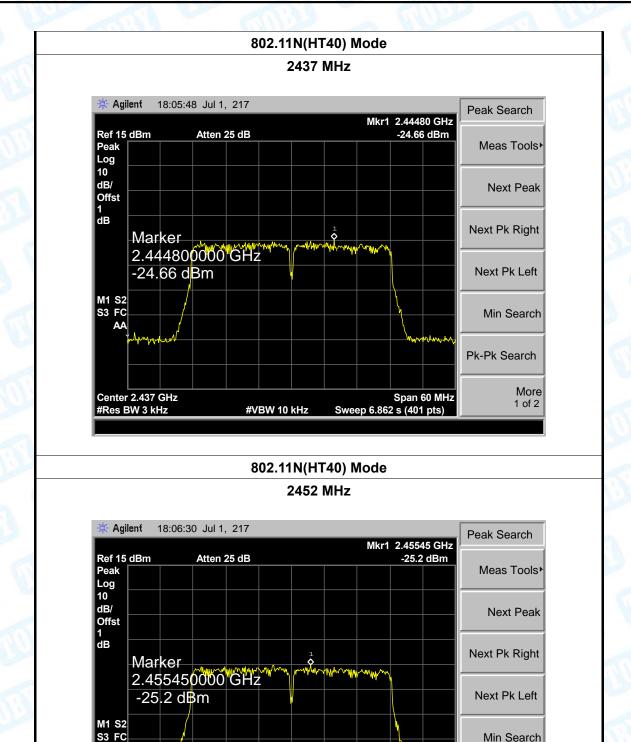
### 802.11N(HT40) Mode

#### 2422 MHz





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#VBW 10 kHz

AΑ

Center 2.452 GHz #Res BW 3 kHz

Min Search

More

1 of 2

Pk-Pk Search

Span 60 MHz

Sweep 6.862 s (401 pts)



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# 10. Antenna Requirement

## 10.1 Standard Requirement

10.1.1 Standard FCC Part 15.203

### 10.1.2 Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### 10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is -0.12dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

#### Result

The EUT antenna is a FPC Antenna. It complies with the standard requirement.

	Antenna Type	
	Permanent attached antenna	EAT!
6		
23	Professional installation antenna	Mis

----END OF REPORT----