







ISO/IEC17025Accredited Lab.

Report No: FCC 1407048
File reference No: 2014-07-11

Applicant: Shenzhen Harmony Technology Co., Ltd.

Product: Tablet PC

Model No: PLT9606G

Trademark: PROSCAN

Test Standards: FCC Part 15.247

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.4, FCC Part 15 Subpart C, Paragraph 15.247 regulations for the evaluation of

electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: July 11, 2014

Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO., LTD

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Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timewaytech.com

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Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAL. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAL-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAL/AC01:2002 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:1999 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 899988

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 899988.

IC- Registration No.: IC5205A-02

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration IC No.: 5205A-02.

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Test Report Conclusion

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO., LTD

Address: 5/F,Block 4, Anhua Industrial Zone.,No.8 TaiRan Rd.CheGongMiao,FuTian District,

Shenzhen, CHINA.

Telephone: (755) 83448688 Fax: (755) 83442996

Site on File with the Federal Communications Commission – United Sates

Registration Number: 899988

For 3m & 10 m OATS

Site Listed with Industry Canada of Ottawa, Canada

Registration Number: IC: 5205A-02

For 3m & 10 m OATS

1.2 Applicant Details

Applicant: Shenzhen Harmony Technology Co., Ltd.

Address: Block 2, Jiayuan Industrial Zone, Heping Community high-tech park, No 2 Fuyuan

Road, Fuyong, Bao'an, Shenzhen, China

Telephone: -Fax: --

1.3 Description of EUT

Product: Tablet PC

Manufacturer: Shenzhen Harmony Technology Co., Ltd.

Address: Block 2, Jiayuan Industrial Zone, Heping Community high-tech park,

No 2 Fuyuan Road, Fuyong, Bao'an, Shenzhen, China

Brand Name: PROSCAN
Model Number: PLT9606G

Additional Model Number: N/A

Type of Modulation IEEE 802.11b : DSSS (CCK, QPSK, DBPSK)

IEEE 802.11g/n (HT20, HT40): OFDM(64QAM, 16QAM, QPSK, BPSK)

Frequency range IEEE 802.11b/g/n (HT20) : 2412-2462MHz;

IEEE 802.11n (HT40): 2422-2452MHz

Channel Spacing 5MHz for IEEE 802.11b/g/n(HT20/HT40)

Air Data Rate IEEE 802.11b : 11, 5.5, 2, 1 Mbps

IEEE 802.11g: 54, 48,36, 24, 18, 12, 9, 6 Mbps

IEEE 802.11n HT20: 65.0, 58.5, 52.0, 39.0,26.0,19.5,13.0,6.5 Mbps IEEE 802.11n HT40: 135.0, 121.5, 108,81, 54, 40.5, 27.0,13.5 Mbps

Frequency Selection By software

Channel Number IEEE 802.11b/g/n (HT20): 11 Channels; IEEE 802.11n (HT40): 7 Channels

The report refers only to the sample tested and does not apply to the bulk.

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中 TIMEWAY TOTAL MADE

Antenna: Integral Antenna with maximum gain 1.56dBi

Rated Input Voltage: DC5V

Power Supply: Input: AC100-240V 50/60Hz 0.3A; Output: DC 5.0V 2A

1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2014-06-06 to 2014-06-24

1.6 Test Uncertainty

Conducted Emissions Uncertainty = 3.6dB Radiated Emissions Uncertainty = 4.7dB

1.7 Test Engineer

Terry Tang

The sample tested by

Print Name: Terry Tang

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2.0	Test Equipments					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date	
ESPI Test Receiver	ROHDE&SCHWARZ	ESPI 3	100379	2013-08-23	2014-08-22	
TWO Line-V-NETW	ROHDE&SCHWARZ	EZH3-Z5	100294	2013-08-23	2014-08-22	
TWO Line-V-NETW	ROHDE&SCHWARZ	EZH3-Z5	100253	2013-08-23	2014-08-22	
Ultra Broadband ANT	ROHDE&SCHWARZ	HL562	100157	2013-08-25	2014-08-24	
ESDV Test Receiver	ROHDE&SCHWARZ	ESDV	100008	2013-08-23	2014-08-22	
Impuls-Begrenzer	ROHDE&SCHWARZ	ESH3-Z2	100281	2013-08-24	2014-08-23	
System Controller	CT	SC100	-			
Printer	EPSON	РНОТО ЕХЗ	CFNH234850			
Computer	IBM	8434	1S8434KCE99BLXL O*	-	-	
Loop Antenna	EMCO	6502	00042960	2013-08-23	2014-08-22	
ESPI Test Receiver	ROHDE&SCHWARZ	ESI26	838786/013	2013-08-23	2014-08-22	
3m OATS			N/A	2013-08-22	2014-08-21	
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170265	2013-08-24	2014-08-23	
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-631	2013-08-24	2014-08-23	
Power meter	Anritsu	ML2487A	6K00003613	2013-08-24	2014-08-23	
Power sensor	Anritsu	MA2491A	32263	2013-08-24	2014-08-23	
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2013-08-21	2014-08-20	
LISN	AFJ	LS16C	10010947251	2013-08-21	2014-08-20	
LISN (Three Phase)	Schwarebeck	NSLK 8126	8126453	2013-08-23	2014-08-22	
9*6*6 Anechoic			N/A	2013-08-22	2014-08-21	
EMI Test Receiver	RS	ESCS30	100139	2013-08-23	2014-08-22	
RF Cable	Timeway	TW213	N/A	2013-08-22	2014-08-21	

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3. DESCRIPTION OF TEST MODES

IEEE 802.11b, 802.11g, 802.11n (HT20) mode

The EUT had been tested under operating condition. There are three channels have been tested as following:

Channel	Frequency (MHz)
Low	2412
Middle	2437
High	2462

IEEE 802.11b mode: 1Mbps data rate (worst case) was chosen for full testing. IEEE 802.11g mode: 6Mbps data rate (worst case) was chosen for full testing. IEEE 802.11n (HT20) mode: 6.5Mbps data rate (worst case) were chosen for full testing

The worst-case data rates are determined according to the description above, based on the investigations by measuring the PSD and average power across all the data rates, bandwidths, modulations and spatial stream modes.

IEEE 802.11n (HT40) mode

The EUT had been tested under operating condition. There are three channels have been tested as following:

Channel	Frequency (MHz)
Low	2422
Middle	2437
High	2452

IEEE 802.11n (HT40) mode: 13.5Mbps data rate (worst case) were chosen for full testing

The worst-case data rates are determined according to the description above, based on the investigations by measuring the PSD and average power across all the data rates, bandwidths, modulations and spatial stream modes.

Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

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3.0 **Technical Details**

3.1 **Summary of test results**

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.107 & 15.207	Conducted Emission Test	PASS	Complies
FCC Part 15 Subpart C Paragraph 15.247(a)(2) Limit	Spectrum bandwidth of a Orthogonal Frequency Division Multiplex System Limit: 6dB bandwidth>500kHz	PASS	Complies
FCC Part 15, Paragraph 15.247(b)	Maximum peak output power Limit: max. 30dBm	PASS	Complies
FCC Part 15, Paragraph 15.109,15.205 & 15.209	Transmitter Radiated Emission Limit: Table 15.209	PASS	Complies
FCC Part 15, Paragraph 15.247(e)	Power Spectral Density Limit: max. 8dBm	PASS	Complies
FCC Part 15, Paragraph 15.247(d)	Out of Band Emission and Restricted Band Radiation Limit: 20dB less than peak value of fundamental frequency Restricted band limit: Table 15.209	PASS	Complies

3.2 **Test Standards**

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

EUT Modification 4.0

No modification by Shenzhen Timeway Technology Consulting Co., Ltd

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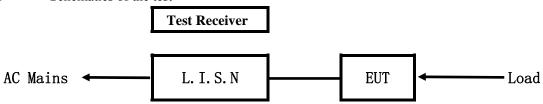
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

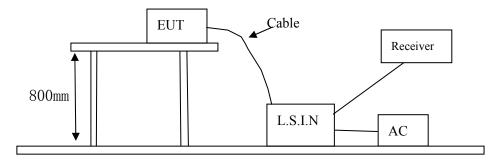


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2003. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4-2003.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.4-2003. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device	Manufacturer	Model	FCC ID
Tablet PC	Shenzhen Harmony Technology Co., Ltd.	PLT9606G	2ACJAPLT9606G

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B. Internal Device

Device	Manufacturer	Model	FCC
			ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	FCC ID/DOC	Cable

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.4 -2003.

5.5 Power line conducted Emission Limit according to Paragraph 15.207 and 15.107

8 8 1						
Frequency	Class A Lim	its (dB µ V)	Class B Limits (dB µ V)			
(MHz)	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level		
$0.15 \sim 0.50$	79.0	66.0	66.0~56.0*	56.0~46.0*		
$0.50 \sim 5.00$	73.0	60.0	56.0	46.0		
5.00 ~ 30.00	73.0	60.0	60.0	50.0		

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

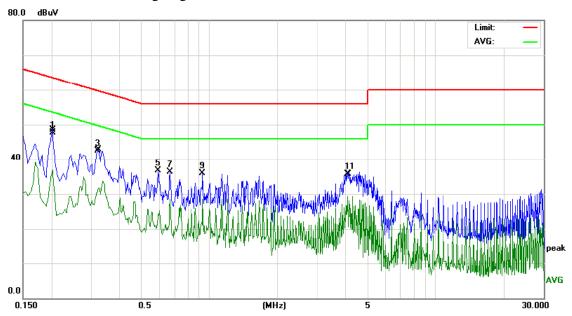
Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

EUT set Condition: Keep WIFI Transmitting

Equipment Level: Class B

Results: PASS

Please refer to following diagram for individual



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1 *	0.2007	37.38	10.30	47.68	63.58	-15.90	QP
2	0.2007	25.75	10.30	36.05	53.58	-17.53	AVG
3	0.3200	31.84	10.62	42.46	59.70	-17.24	QP
4	0.3200	20.37	10.62	30.99	49.70	-18.71	AVG
5	0.5940	25.97	10.68	36.65	56.00	-19.35	QP
6	0.5940	13.44	10.68	24.12	46.00	-21.88	AVG
7	0.6700	25.49	10.84	36.33	56.00	-19.67	QP
8	0.6700	17.61	10.84	28.45	46.00	-17.55	AVG
9	0.9380	25.02	10.87	35.89	56.00	-20.11	QP
10	0.9380	17.56	10.87	28.43	46.00	-17.57	AVG
11	4.0780	25.10	10.63	35.73	56.00	-20.27	QP
12	4.0780	18.75	10.63	29.38	46.00	-16.62	AVG

The report refers only to the sample tested and does not apply to the bulk.

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

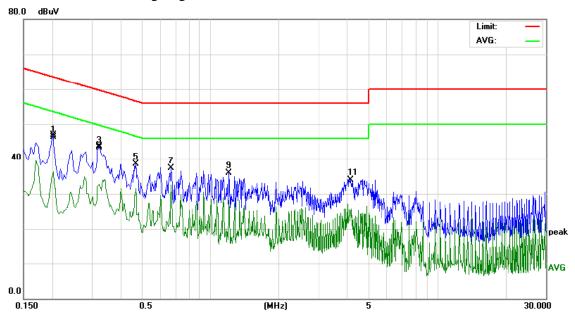
Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keep WIFI Transmitting

Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2007	35.96	10.30	46.26	63.58	-17.32	QP
2		0.2007	25.23	10.30	35.53	53.58	-18.05	AVG
3		0.3234	32.75	10.61	43.36	59.62	-16.26	QP
4		0.3234	21.89	10.61	32.50	49.62	-17.12	AVG
5		0.4700	28.13	10.43	38.56	56.51	-17.95	QP
6		0.4700	21.05	10.43	31.48	46.51	-15.03	AVG
7		0.6700	26.42	10.84	37.26	56.00	-18.74	QP
8	×	0.6700	21.58	10.84	32.42	46.00	-13.58	AVG
9		1.2059	25.15	10.74	35.89	56.00	-20.11	QP
10		1.2059	17.30	10.74	28.04	46.00	-17.96	AVG
11		4.1540	23.28	10.63	33.91	56.00	-22.09	QP
12		4.1540	14.43	10.63	25.06	46.00	-20.94	AVG

The report refers only to the sample tested and does not apply to the bulk.

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6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.4 –2003. The radiated test was performed at Timeway Laboratory. This site is on file with the FCC laboratory division, Registration No.899988
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.4-2003.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=VBW=1MHz and PK detector. AV value with RBW=1MHz, VBW=10Hz and PK detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "QP" in the data table.
- (6) The antenna polarization : Vertical polarization and Horizontal polarization.

Block diagram of Test setup Distance = 3m Computer Pre – Amplifier EUT Turn-table Receiver

- 6.2 Configuration of The EUT

 Same as section 5.3 of this report
- 6.3 EUT Operating Condition
 Same as section 5.4 of this report.

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6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

Frequencies in restricted band are complied to limit on Paragraph 15.209 and 15.109

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
- 2. In the Above Table, the higher limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.
- 5. For radiated emission from 9kHz to 30MHz, the measurements were greater than 20dB below the limit

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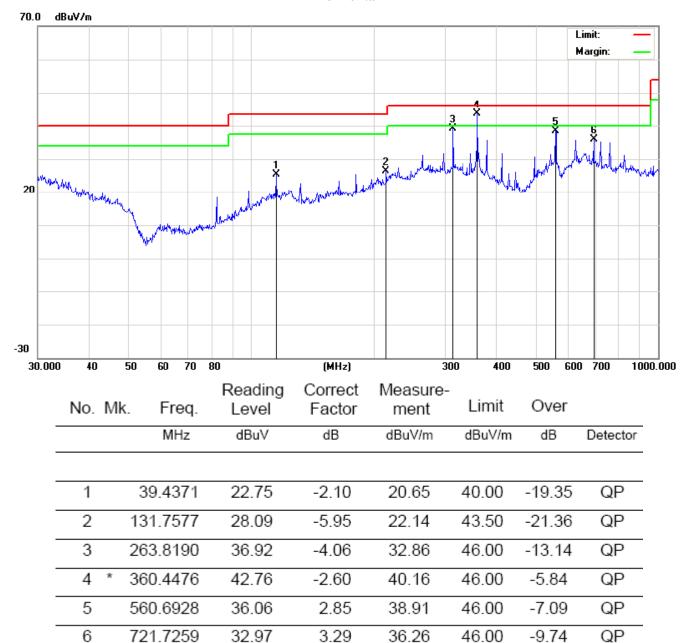


Test result General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep WIFI Transmitting

Horizontal



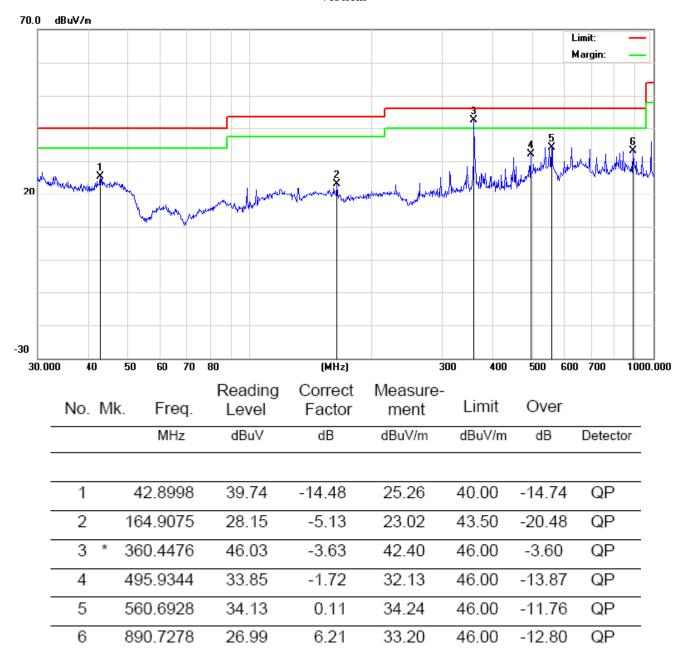
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Vertical



Remark: All of the Tx modes have been investigated, and only worst mode is presented in this report.

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Above 1GHz to 25GHz:

Operation Mode: 802.11b TX (2412MHz) Test Date: June 20, 2014

Frequency Range: Above 1GHz Temperature: 28°C Test Result: PASS Humidity: 65 % Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4824	V	59.97	35.93	74	54	-14.03	-18.07
7236	V	57.67	39.14	74	54	-16.33	-14.86
9648	V	55.38	37.35	74	54	-18.62	-16.65
4824	Н	58.22	38.63	74	54	-15.78	-15.37
7236	Н	58.93	35.25	74	54	-15.07	-18.75

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

- (2) Emission Level= Reading Level + Probe Factor + Cable Loss.
- (3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Operation Mode: 802.11b TX(2437MHz) Test Date: June 20, 2014

Frequency Range: Above 1GHz Temperature: 28°C Test Result: PASS Humidity: 65 % Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(Limit 3m(dBuV/m)		(dB)
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4874	V	58.97	39.62	74	54	-15.03	-14.38
7311	V	58.00	39.45	74	54	-16.00	-14.55
9748	V	58.52	39.53	74	54	-15.48	-14.47
4874	Н	58.22	39.46	74	54	-15.78	-14.54
7311	Н	57.42	36.95	74	54	-16.58	-17.05

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

- (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 - (3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Operation Mode: 802.11b TX (2462MHz) Test Date: June 20, 2014

Frequency Range: Above 1GHz Temperature: 28°C Test Result: PASS Humidity: 65 % Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(Limit 3m(dBuV/m)		r(dB)
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4924	V	57.17	36.91	74	54	-16.83	-17.09
7386	V	58.81	39.76	74	54	-15.19	-14.24
4924	Н	59.92	37.14	74	54	-14.08	-16.86
7386	Н	57.04	37.23	74	54	-16.96	-16.77

No others harmonics emissions are higher than 20dB below the limits of 47 CFR Part 15.247.

- (2) Emission Level= Reading Level + Probe Factor + Cable Loss.
 - (3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Operation Mode: 802.11g TX (2412MHz) Test Date: June 20, 2014

Frequency Range: Above 1GHz Temperature: 28°C Test Result: PASS Humidity: 65 % Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4824	V	64.6	47.3	74	54	-9.4	-6.7
7236	V	67.4	42.1	74	54	-6.6	-11.9
9648	V	66.2	45.6	74	54	-7.8	-8.4
4824	Н	63.5	42.8	74	54	-10.5	-11.2
7236	Н	62.0	45.6	74	54	-12.0	-8.4
9648	Н	65.3	38.2	74	54	-8.7	-15.8

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

- (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 - (3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Operation Mode: 802.11g TX (2437MHz) Test Date: June 20, 2014

Frequency Range: Above 1GHz Temperature : 28° C Test Result: PASS Humidity : 65° Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission 1	Emission Level(dBuV)		Limit 3m(dBuV/m)		(dB)
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4874	V	65.6	38.8	74	54	-8.4	-15.2
7311	V	62.0	42.8	74	54	-12.0	-11.2
9748	V	62.9	47.8	74	54	-11.1	-6.2
4874	Н	64.0	44.7	74	54	-10.0	-9.3
7311	Н	63.4	43.6	74	54	-10.6	-10.4
9748	Н	63.5	39.4	74	54	-10.5	-14.6

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

- (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 - (3) Data of measurement within this frequency range shown "-- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Date: 2014-07-11



Operation Mode: 802.11g TX (2462MHz) Test Date: June 20, 2014

Frequency Range: Above 1GHz Temperature: 28°C Test Result: PASS Humidity: 65 % Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(Limit 3m(dBuV/m)		r(dB)
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4924	V	61.6	38.1	74	54	-12.4	-15.9
7386	V	67.1	46.6	74	54	-6.9	-7.4
9848	V	66.7	42.6	74	54	-7.3	-11.4
4924	Н	65.1	45.9	74	54	-8.9	-8.1
7386	Н	62.0	39.6	74	54	-12.0	-14.4
9848	Н	62.9	41.9	74	54	-11.1	-12.1

No others harmonics emissions are higher than 20dB below the limits of 47 CFR Part 15.247.

- (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 - (3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Date: 2014-07-11



Operation Mode: 802.11n HT-20 TX (2412MHz) Test Date : June 20, 2014

Frequency Range: Above 1GHz Temperature: 28°C Test Result: PASS Humidity: 65 % Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission I	Emission Level(dBuV)		Limit 3m(dBuV/m)		(dB)
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4824	V	64.0	44.6	74	54	-10.0	-9.4
7236	V	61.3	45.4	74	54	-12.7	-8.6
4824	Н	61.3	45.4	74	54	-12.7	-8.6
7236	Н	58.6	44.4	74	54	-15.4	-9.6

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

- (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
- (3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Date: 2014-07-11



Operation Mode: 802.11n HT-20 TX (2437MHz) Test Date : June 20, 2014

Frequency Range: Above 1GHz Temperature: 28°C Test Result: PASS Humidity: 65 % Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(Limit 3m(dBuV/m)		(dB)
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4874	V	62.3	42.5	74	54	-11.7	-11.5
7311	V	67.1	44.7	74	54	-6.9	-9.3
4874	Н	63.9	42.4	74	54	-10.1	-11.6
7311	Н	60.5	39.3	74	54	-13.5	-14.7

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

- (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 - (3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Date: 2014-07-11



Operation Mode: 802.11n HT-20 TX (2462MHz) Test Date : June 20, 2014

Frequency Range: Above 1GHz Temperature: 28°C
Test Result: PASS Humidity: 65 %
Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4924	V	64.3	43.2	74	54	-9.7	-10.8
7386	V	67.6	38.3	74	54	-6.4	-15.7
4924	Н	60.9	44.9	74	54	-13.1	-9.1
7386	Н	59.7	40.0	74	54	-14.3	-14.0

No others harmonics emissions are higher than 20dB below the limits of 47 CFR Part 15.247.

- (2) Emission Level= Reading Level + Probe Factor + Cable Loss.
 - (3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Date: 2014-07-11



Operation Mode: 802.11n HT-40 TX (2422MHz) Test Date : June 20, 2014

Frequency Range: Above 1GHz Temperature: 28°C Test Result: PASS Humidity: 65 % Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(Limit 3m(dBuV/m)		(dB)
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4844	V	62.2	39.0	74	54	-11.8	-15.0
7266	V	61.8	42.3	74	54	-12.2	-11.7
4844	Н	67.8	47.2	74	54	-6.2	-6.8
7266	Н	67.8	42.6	74	54	-6.2	-11.4

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

- (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
- (3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Date: 2014-07-11



Operation Mode: 802.11n HT-40 TX (2437MHz) Test Date : June 20, 2014

Frequency Range: Above 1GHz Temperature: 28°C Test Result: PASS Humidity: 65 % Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4874	V	63.7	44.7	74	54	-10.3	-9.3
7311	V	64.1	38.1	74	54	-9.9	-15.9
4874	Н	64.2	44.4	74	54	-9.8	-9.6
7311	Н	67.0	38.6	74	54	-7.0	-15.4

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

- (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 - (3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Date: 2014-07-11



Operation Mode: 802.11n HT-40 TX (2452MHz) Test Date : June 20, 2014

Frequency Range: Above 1GHz Temperature: 28°C
Test Result: PASS Humidity: 65 %
Measured Distance: 3m Test By: LHZ

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4904	V	67.2	47.0	74	54	-6.8	-7.0
7356	V	59.5	42.2	74	54	-14.5	-11.8
4904	Н	59.1	40.5	74	54	-14.9	-13.5
7356	Н	66.7	46.9	74	54	-7.3	-7.1

No others harmonics emissions are higher than 20dB below the limits of 47 CFR Part 15.247.

- (2) Emission Level= Reading Level + Probe Factor + Cable Loss.
 - (3) Data of measurement within this frequency range shown "-- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

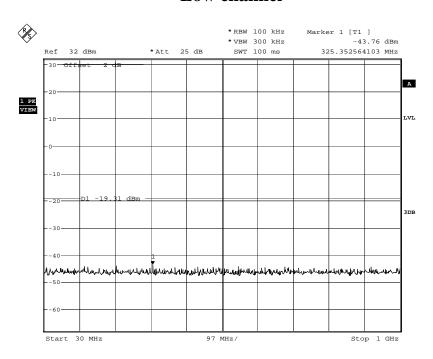
Date: 2014-07-11



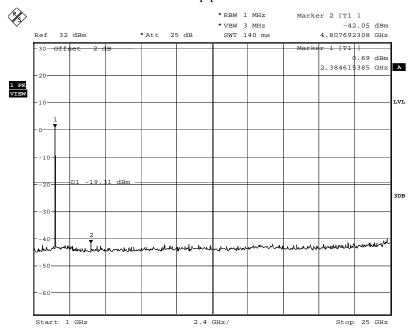
Antenna port conducted spurious emissions

802.11b:

Low channel



Sweep points = 20001



Sweep points = 20001

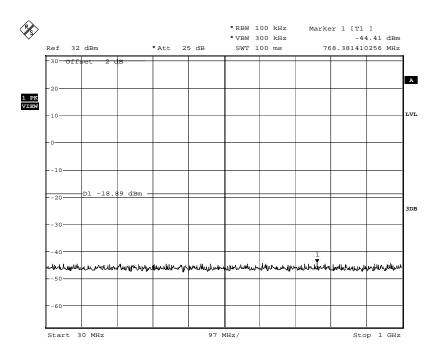
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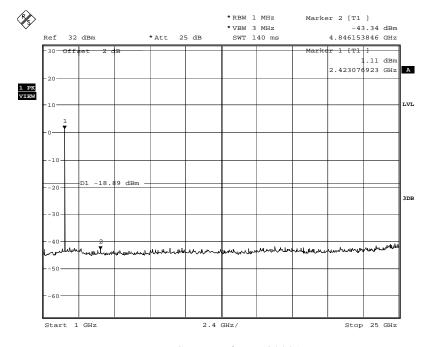
Date: 2014-07-11



Middle channel



Sweep points = 20001



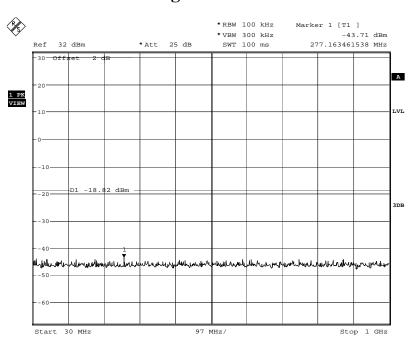
Sweep points = 20001

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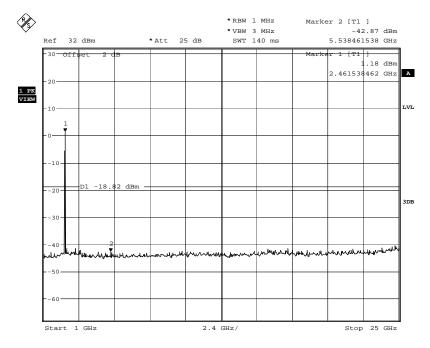
Date: 2014-07-11



High channel



Sweep points = 20001



Sweep points = 20001

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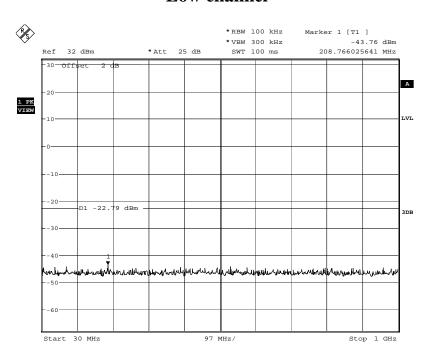
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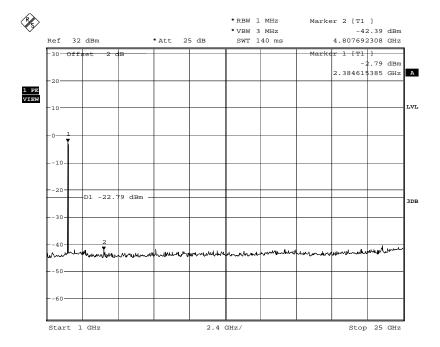


802.11g:

Low channel



Sweep points = 20001



Sweep points = 20001

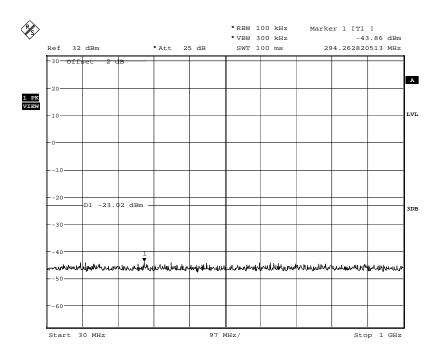
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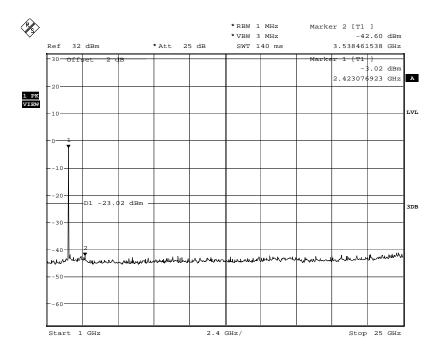
Date: 2014-07-11



Middle channel



Sweep points = 20001



Sweep points = 20001

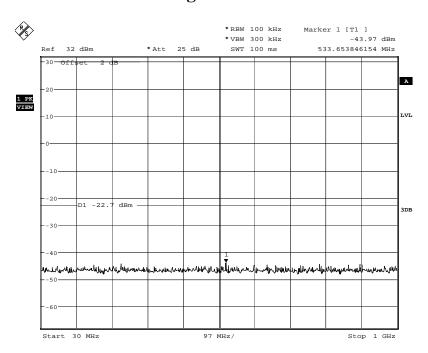
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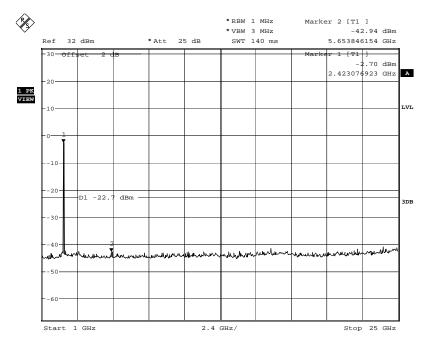
Date: 2014-07-11



High channel



Sweep points = 20001



Sweep points = 20001

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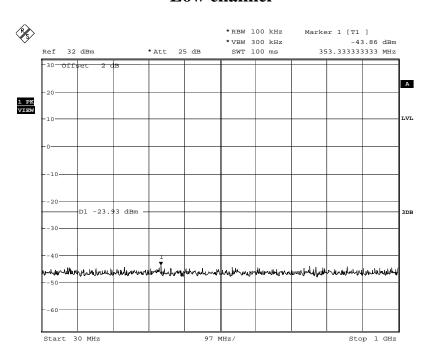
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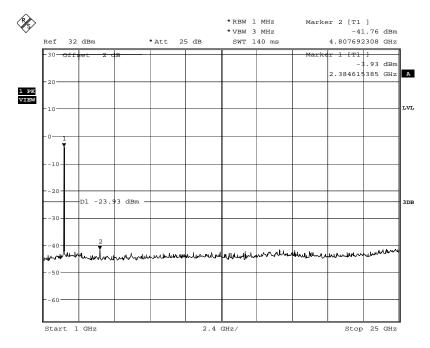


802.11n HT20:

Low channel



Sweep points = 20001



Sweep points = 20001

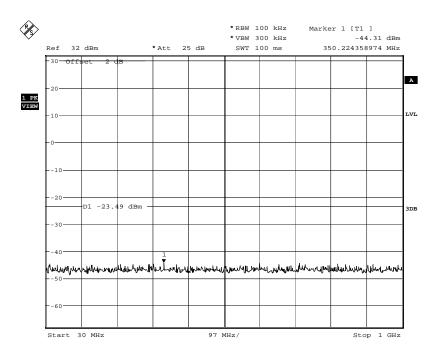
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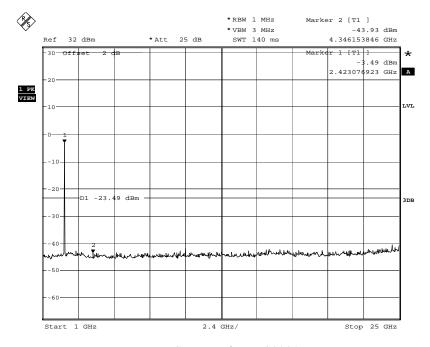
Date: 2014-07-11



Middle channel



Sweep points = 20001



Sweep points = 20001

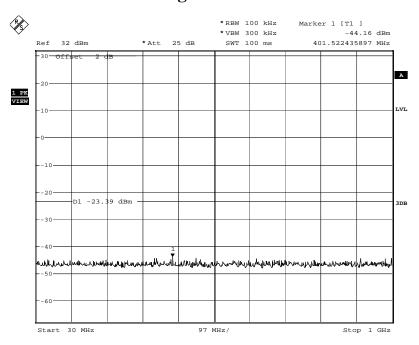
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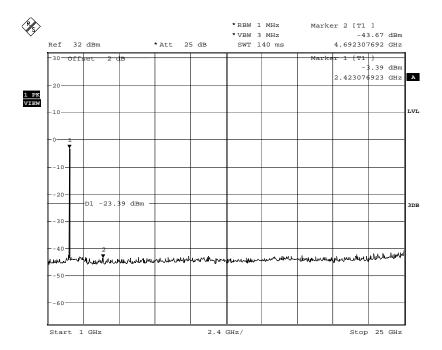
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High channel



Sweep points = 20001



Sweep points = 20001

The report refers only to the sample tested and does not apply to the bulk.

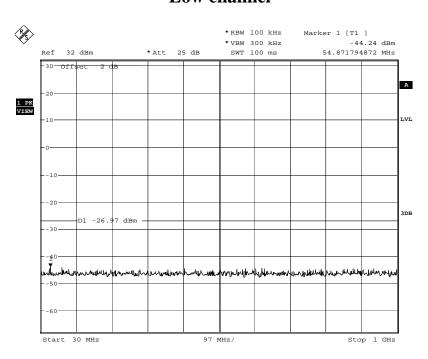
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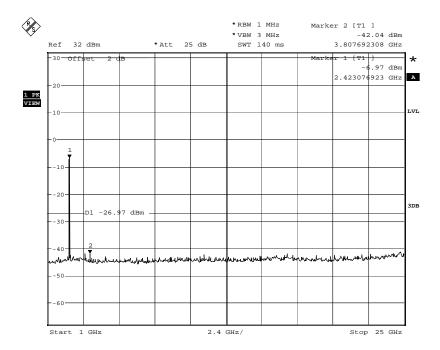


802.11n HT40:

Low channel



Sweep points = 20001



Sweep points = 20001

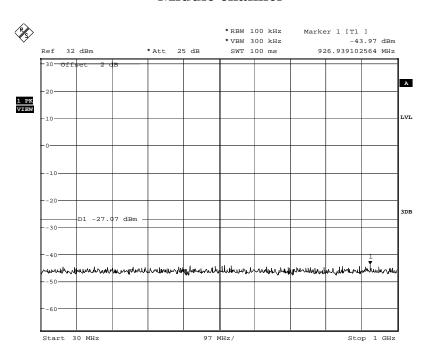
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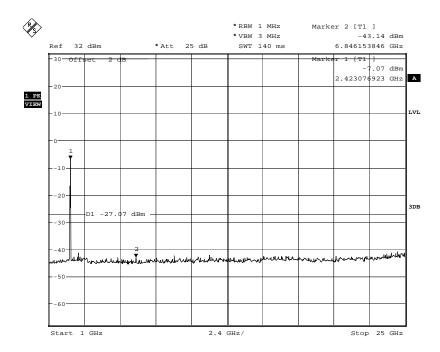
Date: 2014-07-11



Middle channel



Sweep points = 20001



Sweep points = 20001

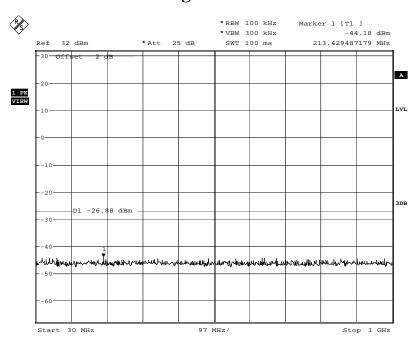
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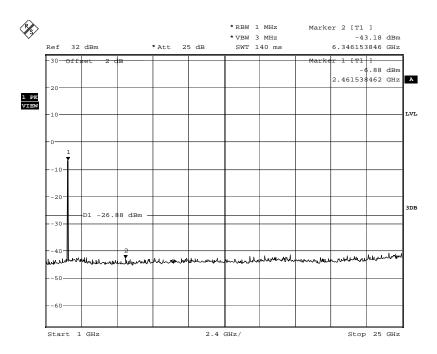
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High channel



Sweep points = 20001



Sweep points = 20001

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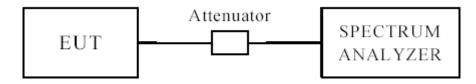
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7.0 6dB Bandwidth Measurement

7.1 Test Setup



7.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500 kHz

7.3 Test Procedure

- 1. Set resolution bandwidth (RBW) = 100 kHz
- 2. Set the video bandwidth (VBW) \geq 3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.4 Test Result

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6dB Occupied Bandwidth

EUT		Ta	ablet PC		Model		PLTS	9606G
Mode		8	302.11b		Input Vol	tage	DC	3.7V
Temperat	ure	24	deg. C,		Humidity		56%	6 RH
Channel		el Frequency (MHz)	Data Transfer Rate (Mbps)		indwidth Hz)		mum Limit MHz)	Pass/ Fail
1		2412	1	100	00.0		0.5	Pass
6		2437	1	101	28.2		0.5	Pass
11		2462	1	101	28.2		0.5	Pass

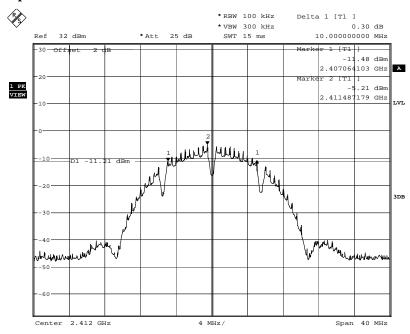
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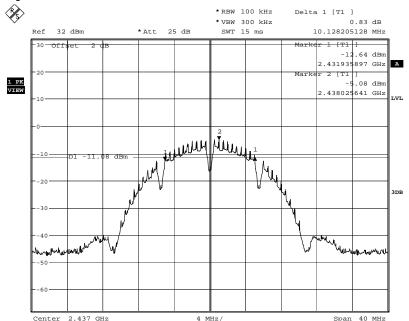
Date: 2014-07-11



1. 802.11b at 1Mbps of CH01



2. 802.11b at 1Mbps of CH06

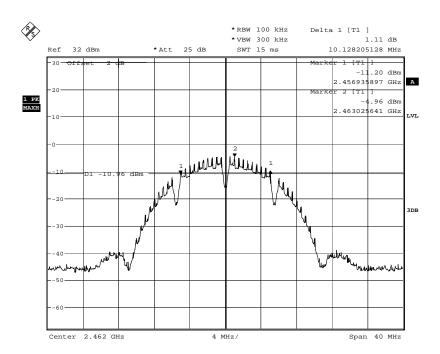


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3. 802.11b at 1Mbps of CH11



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6dB Occupied Bandwidth

EUT		Ta	ablet PC		Mod	lel	PI	T9606G
Mode		8	302.11g		Input Vol	tage	Γ	DC3.7V
Temperat	ure	24	4 deg. C,		Humidity	,	5	6% RH
Channel		el Frequency (MHz)	Data Transfer Rate (Mbps)		andwidth Hz)		num Limit MHz)	Pass/ Fail
1		2412	6	165	38.5		0.5	Pass
6		2437	6	164	74.4		0.5	Pass
11		2462	6	165	38.5		0.5	Pass

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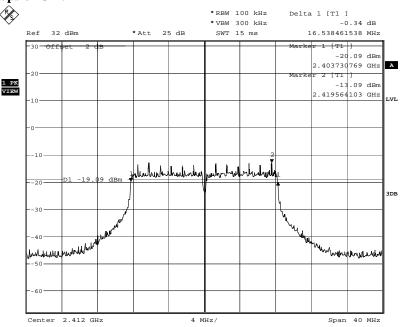
Report No: FCC1407048

Date: 2014-07-11

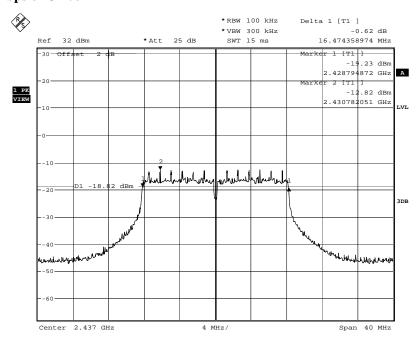


Test Plots:

1. 802.11g at 6Mbps of CH01



2. 802.11g at 6Mbps of CH06

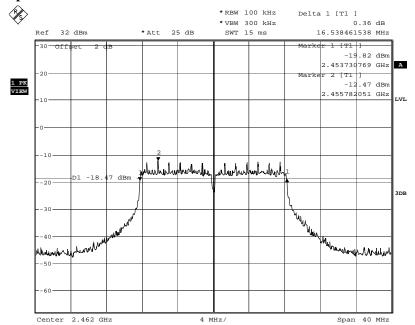


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3. 802.11g at 6Mbps of CH11



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6dB Occupied Bandwidth

EUT		Tablet PC Model		lel	PLTS	9606G		
Mode		802	.11n HT20		Input Vol	tage	DC	3.7V
Temperat	ure	24	4 deg. C,		Humidity		56%	% RH
Channel		el Frequency (MHz)	Data Transfer Rate (Mbps)		undwidth Hz)		mum Limit MHz)	Pass/ Fail
1		2412	6.5	176	92.3		0.5	Pass
6		2437	6.5	176	92.3		0.5	Pass
11		2462	6.5	176	92.3		0.5	Pass

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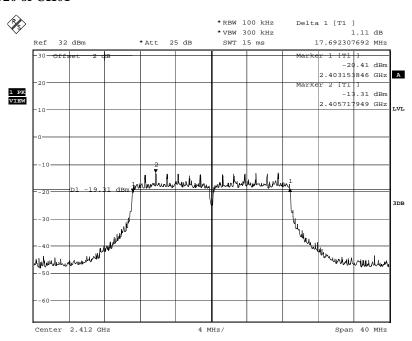
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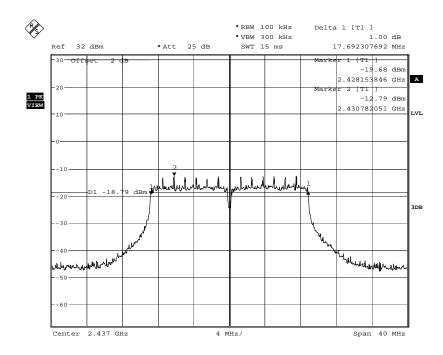


Test Plots:

1.802.11n at HT20 of CH01



2. 802.11n at HT20 of CH06



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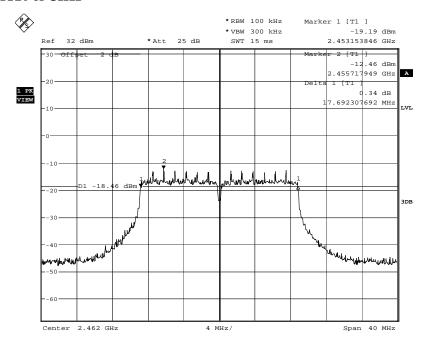
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3. 802.11n at HT20 of CH11



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6dB Occupied Bandwidth

EUT		T	ablet PC		Mod	Model		PLT9606G	
Mode		802	.11n HT40		Input Vol	age DC3.		3.7V	
Temperat	ure	24	4 deg. C,		Humidity		56%	% RH	
Channel		el Frequency (MHz)	Data Transfer Rate (Mbps)		ndwidth Hz)		mum Limit MHz)	Pass/ Fail	
1		2422	13.5	361	53.8		0.5	Pass	
4		2437	13.5	361	53.8		0.5	Pass	
7		2452	13.5	359	61.5		0.5	Pass	

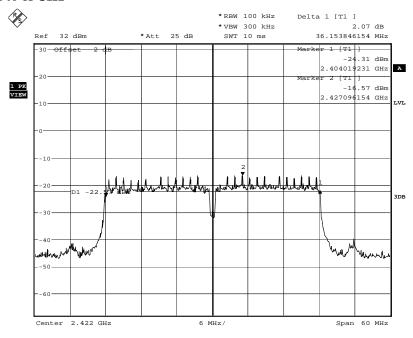
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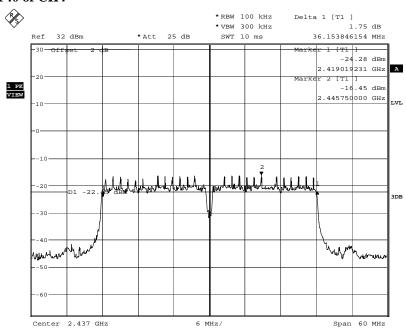
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1.802.11n at HT40 of CH1



2. 802.11n at HT40 of CH4



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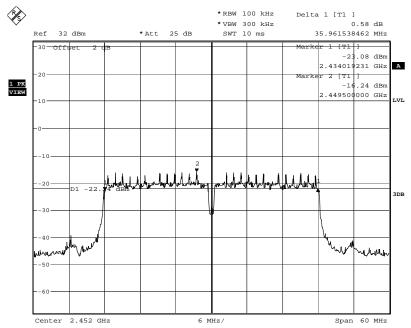
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3. 802.11n at HT40 of CH7



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8. Maximum Peak Output Power

8.1 Test Setup



8.2 Limits of Maximum Peak Output Power

The Maximum Peak Output Power Measurement is 30dBm.

8.3 Test Procedure

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: the peak power was measured

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8.4Test Results

EUT	EUT Tablet		: PC	M	odel		PLT9606G	
Mode	Mode 802.1		Ilb Inp		Input Voltage		DC3.7V	
Temperat	Temperature 24 d		g. C, Hur		nidity		56% RH	
Channel	Channel Frequency (MHz)		Peak Power Output (dBm)		Peak P Lin (dB	nit	Pass/ Fail	
1	2412		7.44	30)	Pass	
6	6 2437		7.92		30		Pass	
11		2462	7.78		30)	Pass	

Note: 1. At finial test to get the worst-case emission at 1Mbps for CH01, CH06 and CH11

The result basic equation calculation as follow:
 Peak Power Output = Peak Power Reading + Cable loss + Attenuator

3. The worse case was recorded

EUT	EUT Table		PC	M	odel		PLT9606G	
Mode 8		802.1	1g	Input Voltage			DC3.7V	
Temperature		24 deg. C,		Humidity			56% RH	
Channel	Channel Frequency (MHz)		Peak Power Output (dBm)		Peak P Lin (dB	nit	Pass/ Fail	
1	2412		6.71		30		Pass	
6	6 2437		7.37		30		Pass	
11		2462	7.1	5	30)	Pass	

Note: 1. At finial test to get the worst-case emission at 6Mbps for CH01, CH06 and CH11

- The result basic equation calculation as follow:
 Peak Power Output = Peak Power Reading + Cable loss + Attenuator
- 3. The worse case was recorded

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EUT	EUT Tablet		PC	M	odel		PLT9606G	
Mode	Mode 802.11n		(HT20) Inpu		ut Voltage		DC3.7V	
Temperati	Temperature 24 de		g. C, Hum		nidity		56% RH	
Channel	Channel Frequency (MHz)		Peak Power Output (dBm)		Peak P Lin (dB:	nit	Pass/ Fail	
1	2412		6.66		30		Pass	
6	2437		7.23		30		Pass	
11		2462	7.2	2	30)	Pass	

Note: 1. At finial test to get the worst-case emission at 6.5Mbps of 11n HT20 for CH01, CH06 and CH11

- 2. The result basic equation calculation as follow:

 Peak Power Output = Peak Power Reading + Cable loss + Attenuator
- 3. The worse case was recorded

EUT	EUT Tablet		PC	M	odel		PLT9606G
Mode	Mode 802.11n		(H40)	Input Voltage		DC3.7V	
Temperat	Temperature		24 deg. C,		Humidity		56% RH
Channel	Channel Frequency (MHz)		Peak Power Output (dBm)		Peak P Lin (dB	nit	Pass/ Fail
1	2422		5.85		30		Pass
4	4 2437		6.0	2	30		Pass
7		2452	6.2	0	30)	Pass

Note: 1. At finial test to get the worst-case emission at 13.5Mbps of 11n HT40 for CH01, CH04 and CH07

- 2. The result basic equation calculation as follow:
 - Peak Power Output = Peak Power Reading + Cable loss + Attenuator
- 3. The worse case was recorded

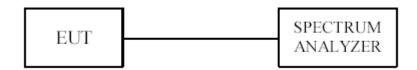
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9. Power Spectral Density Measurement

9.1 Test Setup



9.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm.

9.3 Test Procedure

- 1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
- 2. Set the RBW = 3 kHz.
- 3. Set the VBW = 10 kHz.
- 4. Set the span to 1.5 times the DTS channel bandwidth.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = \max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
- 11. The resulting peak PSD level must be ≤ 8 dBm.

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9.4Test Result

EUT		Tablet	PC	M	odel		PLT9606G
Mode		802.11b 1Mbps		Input Voltage		DC3.7V	
Temperature		24 deg	24 deg. C,		Humidity		56% RH
Channel	Cha	annel Frequency (MHz)	Final RF Power Level in (dBm)		Maximur (dB:		Pass/ Fail
			1Mbps				
1	2412 -17.8		-17.85	8			Pass
6	6 2437		-19.33		8		Pass
11	11 2462		-19.79		8		Pass

EUT		Tablet PC		M	odel		PLT9606G
Mode		802.11g 6Mbps		Input Voltage			DC3.7V
Temperat	ure	24 deg	24 deg. C,		Humidity		56% RH
Channel	Cha	annel Frequency	Final RF Po	wer	Maximum Limit		Pass/ Fail
Chamilei		(MHz)	Level in (dBm)		(dB	m)	
			6Mbps				
1	2412		-26.68		8		Pass
6 2437		-26.23		8		Pass	
11 2462		-27.48		8		Pass	

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EUT	EUT		Tablet PC		odel		PLT9606G
Mode		802.11n HT20 6.5Mbps		Input Voltage		DC3.7V	
Temperature		24 deg	24 deg. C,		Humidity		56% RH
Channel	Cha	annel Frequency	Final RF Po	wer	Maximum Limit		Pass/ Fail
Chamie		(MHz)	Level in (dl	Bm)	(dB	m)	
			6.5Mbp	S			
1	2412 -		-27.47	•	8		Pass
6	6 2437		-27.08		8		Pass
11	11 2462		-26.57		8		Pass

EUT		Tablet	PC	M	odel		PLT9606G
Mode		802.11n HT40 13.5Mbps		Input Voltage			DC3.7V
Temperature		24 deg. C,		Humidity		56% RH	
Channel	Cha	annel Frequency	Final RF Po	wer	Maximum Limit		Pass/ Fail
Chamilei		(MHz)	Level in (dBm)		(dB	m)	
			13.5Mbp	os			
1		2422	-30.92		8		Pass
4	2437 -		-30.64		8		Pass
7	7 2452		-30.68		8		Pass

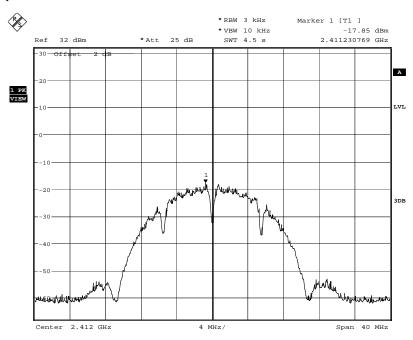
Remark: All of the modes have been investigated, and only worst mode is presented in this report.

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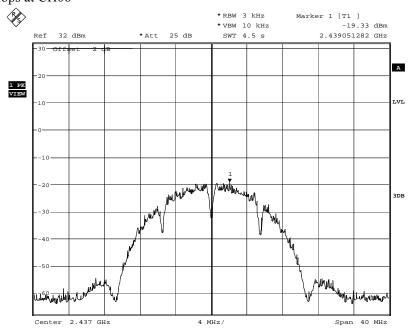


9.5 Photo of Power Spectral Density Measurement

1.802.11b at 1Mbps of CH01



2. 802.11b at 1Mbps at CH06



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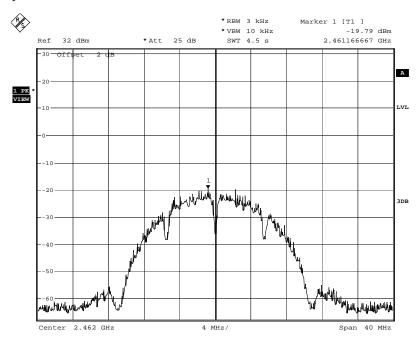
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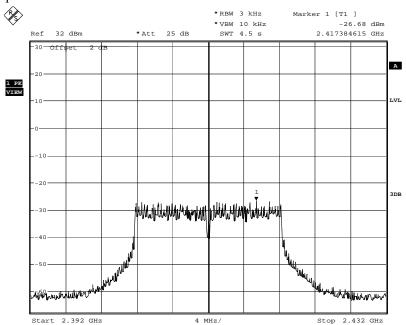
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3. 802.11b at 1Mbps of CH11



4.802.11g at 6Mbps of CH01



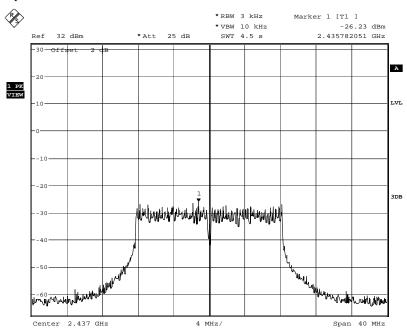
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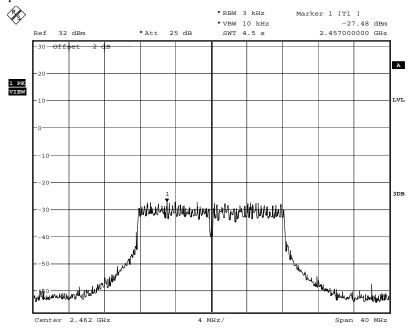
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5. 802.11g at 6Mbps of CH06



6. 802.11g at 6Mbps of CH11



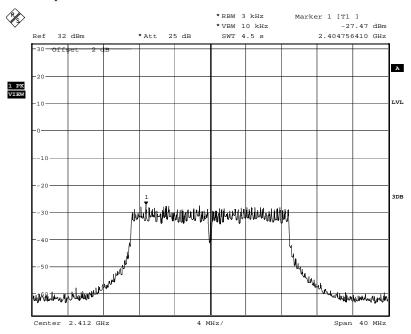
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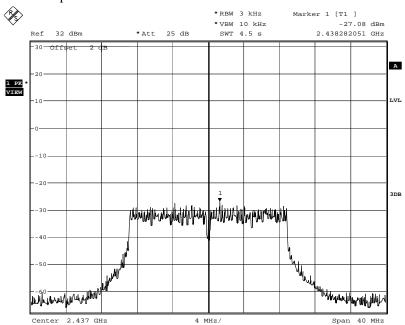
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7.802.11n HT20 at 6.5Mbps of CH01



8. 802.11n HT20 at 6.5Mbps of CH06



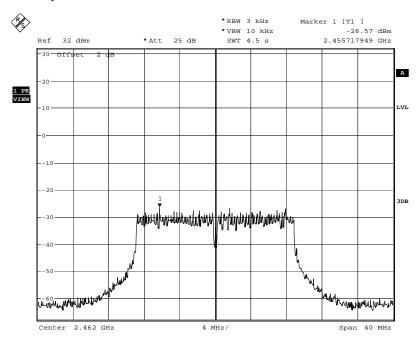
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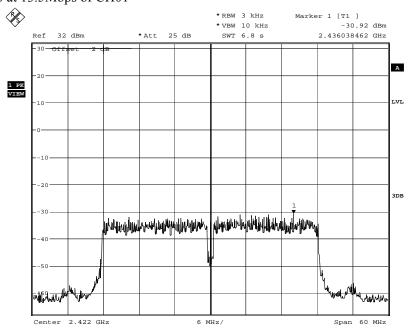
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9. 802.11n HT20 at 6.5Mbps of CH11



10.802.11n HT40 at 13.5Mbps of CH01



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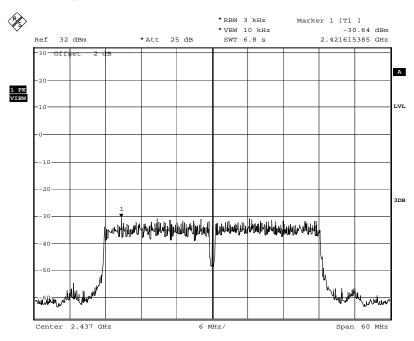
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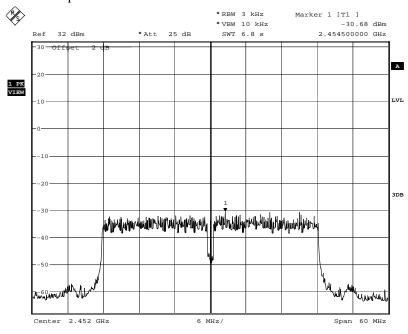
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11. 802.11n HT40 at 13.5Mbps of CH04



12. 802.11n HT40 at 13.5Mbps of CH7



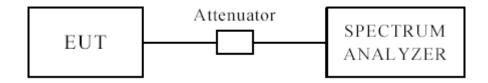
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10 Out of Band Measurement

10.1 Test Setup for band edge



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

10.2 Limits of Out of Band Emissions Measurement

- 1. Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
- 2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

10.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of radiated emission test.(Peak values with RBW=VBW=1MHz and PK detector. AV value with RBW=1MHz, VBW=10Hz and PK detector)

For bandage test, the spectrum set as follows: RBW=100, VBW=100 kHz. A conducted measurement used

10.4 Test Result

Please see next pages

Note: This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

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Radiated measurement:

802.11b

Indicated			Table	Antenna		Со	rrection F	actor	FCC Part 15.247		
Frequency (MHz)	Receiver Reading (dBµV/m)	result (PK/AV)	Angle	Height (m)	Polar (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Low Channel (2412MHz)											
2390	44.42	AV	260	2	V	30.3	4.1	33.1	45.72	54	8.28
2390	45.27	AV	280	1	Н	30.3	4.1	33.1	46.57	54	7.43
2390	61.91	PK	160	1	V	30.3	4.1	33.1	63.21	74	10.79
2390	65.89	PK	350	1	Н	30.3	4.1	33.1	67.19	74	6.81
				High	Channe	el (2462N	MHz)		_		
2483.5	37.72	AV	120	2	V	31	4.4	32.7	40.42	54	13.58
2483.5	41.42	AV	110	2	Н	31	4.4	32.7	44.12	54	9.88
2483.5	59.13	PK	210	1	V	31	4.4	32.7	61.83	74	12.17
2483.5	61.48	PK	170	1.5	Н	31	4.4	32.7	64.18	74	9.82

802.11g

Indicated		Table		Antenna		Со	rrection F	actor	FCC Part 15.247		
Frequency (MHz)	Receiver Reading (dBµV/m)	result (PK/AV)	Angle Degree	Height (m)	Polar (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Low Channel (2412MHz)											
2390	38.42	AV	280	1	V	30.3	4.1	33.1	39.72	54	14.28
2390	41.79	AV	100	2	Н	30.3	4.1	33.1	43.09	54	10.91
2390	60.40	PK	210	2	V	30.3	4.1	33.1	61.70	74	12.30
2390	64.77	PK	170	1.5	Н	30.3	4.1	33.1	66.07	74	7.93
				High	Channe	l (2462N	MHz)				
2483.5	38.17	AV	350	1	V	31	4.4	32.7	40.87	54	13.13
2483.5	38.31	AV	130	1	Н	31	4.4	32.7	41.01	54	12.99
2483.5	60.69	PK	330	1	V	31	4.4	32.7	63.39	74	10.61
2483.5	62.69	PK	200	1.5	Н	31	4.4	32.7	65.39	74	8.61

Note: The BAND EDGE RESTRICTED BANDS emission is too low at least 20dB to the Fundamental.

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802.11n HT-20

Indicat	ed		Table Angle Degree	Ante	Antenna		Correction Factor			FCC Part 15.247		
Frequency (MHz)	Receiver Reading (dBµV/m)	result (PK/AV)		Height (m)	Polar (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	
Low Channel (2412MHz)												
2390	40.16	AV	240	1	V	30.3	4.1	33.1	41.46	54	12.54	
2390	40.66	AV	180	2	Н	30.3	4.1	33.1	41.96	54	12.04	
2390	58.39	PK	330	1	V	30.3	4.1	33.1	59.69	74	14.31	
2390	61.25	PK	PK 120	2	Н	30.3	4.1	33.1	62.55	74	11.45	
				High	Channe	el (24621	MHz)					
2483.5	37.45	AV	200	2	V	31	4.4	32.7	40.15	54	13.85	
2483.5	38.32	AV	240	2	Н	31	4.4	32.7	41.02	54	12.98	
2483.5	64.35	PK	300	1.5	V	31	4.4	32.7	67.05	74	6.95	
2483.5	57.32	PK	260	2	Н	31	4.4	32.7	60.02	74	13.98	

802.11n HT-40

Indicat	icated		Table	Ante	Antenna		Correction Factor			FCC Part 15.247		
Frequency (MHz)	Receiver Reading (dBµV/m)	result (PK/AV)	Angle Degree	Height (m)	Polar (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	
Low Channel (2422MHz)												
2390	40.59	AV	130	1.5	V	30.3	4.1	33.1	41.89	54	12.11	
2390	45.50	AV	190	2	Н	30.3	4.1	33.1	46.80	54	7.20	
2390	58.87	PK	300	1.5	V	30.3	4.1	33.1	60.17	74	13.83	
2390	62.94	PK	330	1.5	Н	30.3	4.1	33.1	64.24	74	9.76	
				High	Channe	el (24521	MHz)					
2483.5	42.66	AV	340	1	V	31	4.4	32.7	45.36	54	8.64	
2483.5	43.45	AV	340	1	Н	31	4.4	32.7	46.15	54	7.85	
2483.5	56.24	PK	210	1	V	31	4.4	32.7	58.94	74	15.06	
2483.5	60.57	PK	220	2	Н	31	4.4	32.7	63.27	74	10.73	

Note: The BAND EDGE RESTRICTED BANDS emission is too low at least 20dB to the Fundamental.

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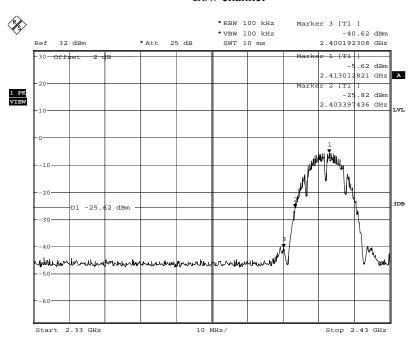
Date: 2014-07-11



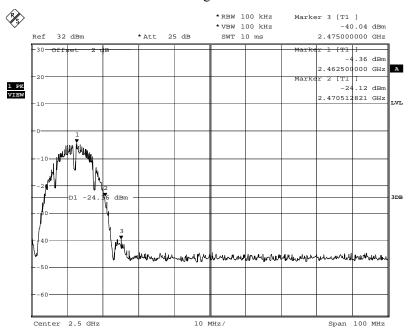
Conducted measurement:

802.11b:

Low channel



High channel



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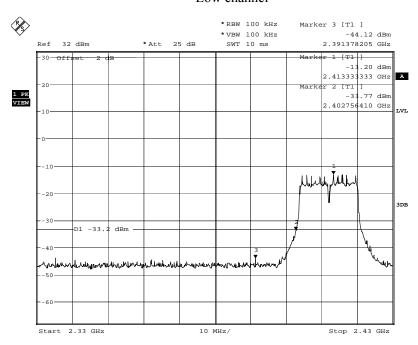
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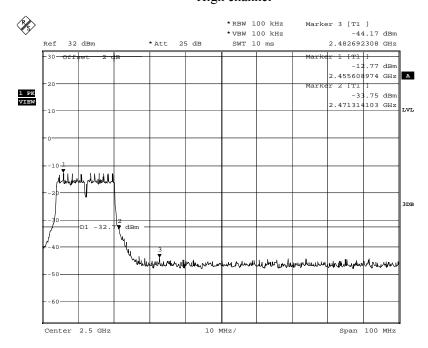


802.11g:

Low channel



High channel



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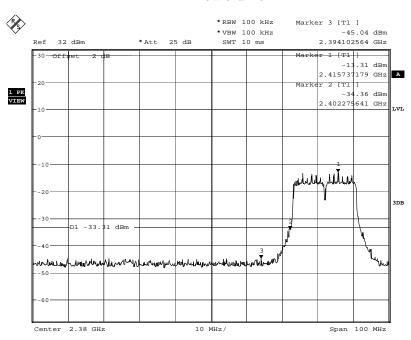
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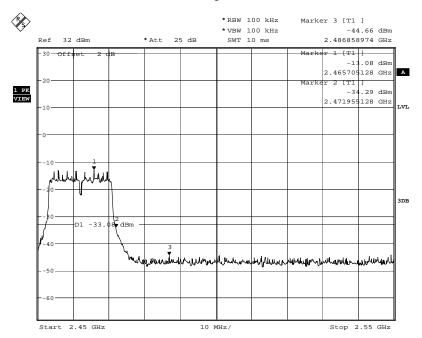


802.11n HT20:

Low channel



High channel



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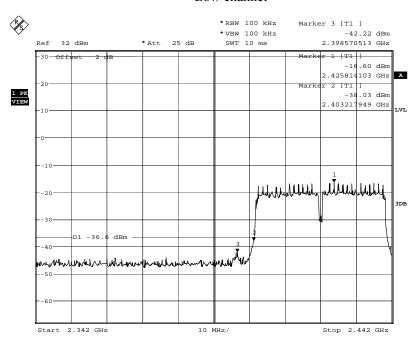
Report No: FCC1407048

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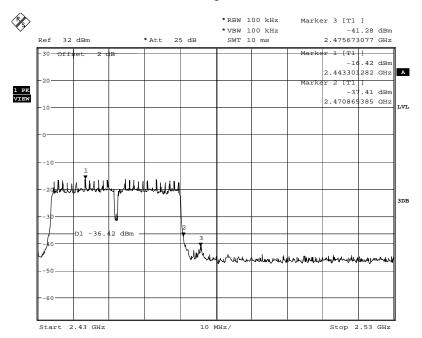


802.11n HT40:

Low channel



High channel



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11.0 Antenna Requirement

11.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the mount in dB that the directional gain of the antenna exceeds 6 dBi.

11.2 Antenna Connected construction

Integral antenna used. The maximum Gain of the antennas is 1.56dBi.

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12.0 Photo of testing

Conducted Emission Test Setup:



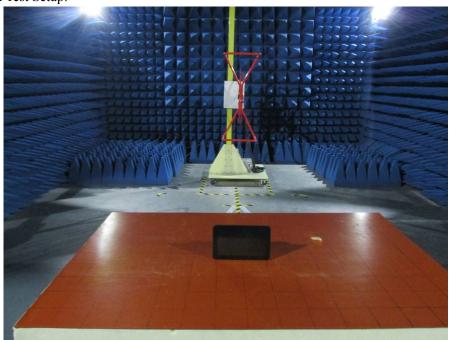
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Radiated Emission Test Setup:





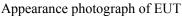
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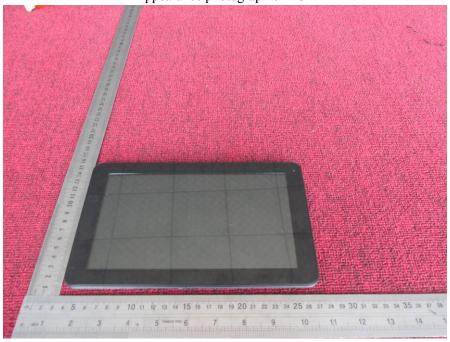


PHOTOGRAPHS OF EUT

Appearance photograph of EUT







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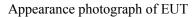
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Appearance photograph of EUT



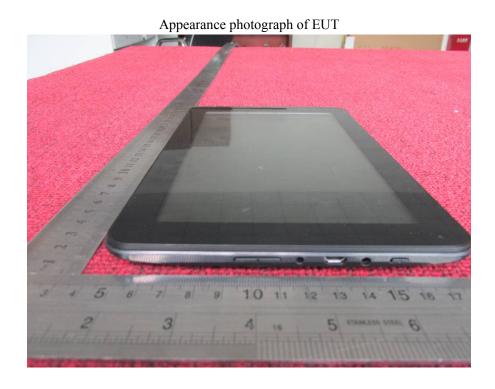




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Appearance photograph of EUT



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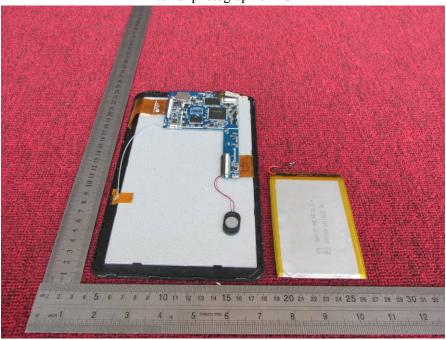
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Internal photograph of EUT



Internal photograph of EUT



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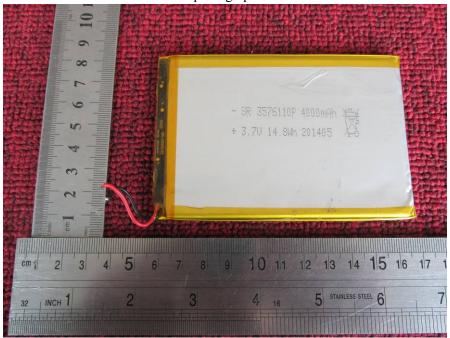
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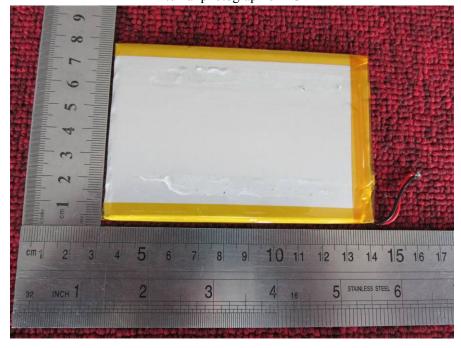
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Internal photograph of EUT



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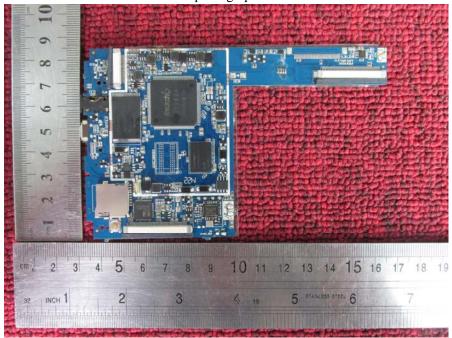
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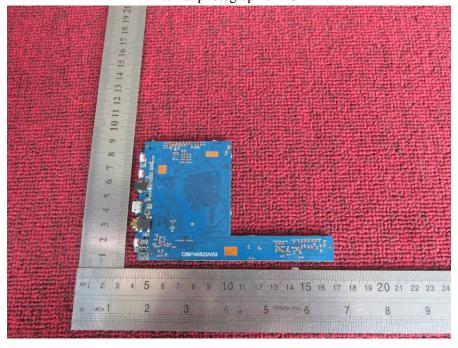
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Internal photograph of EUT



Internal photograph of EUT



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