

Global United Technology Services Co., Ltd.

Report No.: GTSE15110204201

FCC Report (WIFI)

Applicant: Lightcomm Technology Co., Ltd.

Address of Applicant: RM1708-10,17/F,PROSPERITY CENTRE, 25 CHONG YIP

STREET, KWUN TONG, HONG KONG

Equipment Under Test (EUT)

Product Name: PDVD and Tablet Combo

Model No.: MDT900X, MDT9001, MDT9002, MDT9003, PLTDVD9200-B,

PLTDVD9200, SLTDVD9200, PLTDVD9208, SLTDVD9208

FCC ID: XMF-MDT9001

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247:2014

Date of sample receipt: November 04,2015

Date of Test: November 05-11,2015

Date of report issued: November 12,2015

Test Result: PASS *

Authorized Signature:



Robinson Lo Laboratory Manager

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 and does not permit the use of the GTS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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^{*} In the configuration tested, the EUT complied with the standards specified above.



2 Version

Version No.	Date	Description
00	November 12,2015	Original

Prepared By:	Edward.Pan	Date:	November 12,2015
	Project Engineer		
Check By:	hank. yan Reviewer	Date:	November 12,2015



3 Contents

			Page
1	cov	ER PAGE	1
2	VER	SION	2
3	CON	TENTS	3
4		Г SUMMARY	
	4.1	MEASUREMENT UNCERTAINTY	
5	GEN	ERAL INFORMATION	5
	5.1	CLIENT INFORMATION	
	5.2 5.3	GENERAL DESCRIPTION OF EUT TEST MODE	-
	5.4	DESCRIPTION OF SUPPORT UNITS	6
	5.5 5.6	TEST FACILITY TEST LOCATION	
6	TEST	T INSTRUMENTS LIST	8
7	TES	T RESULTS AND MEASUREMENT DATA	9
	7.1	ANTENNA REQUIREMENT	-
	7.2	CONDUCTED EMISSIONS	
	7.3	CONDUCTED PEAK OUTPUT POWER	
	7.4	CHANNEL BANDWIDTH	
	7.5	POWER SPECTRAL DENSITY	
	7.6	BAND EDGES	
	7.6.1		
	7.6.2 7.7		
	7.7.1	Spurious Emission	
	7.7.1		
_			
8	IES	T SETUP PHOTO	52
9	FIIT	CONSTRUCTIONAL DETAILS	54



4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
Channel Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247(d)	Pass
Spurious Emission	15.205/15.209	Pass

Pass: The EUT complies with the essential requirements in the standard.

Remark: Test according to ANSI C63.10 2013 and ANSI C63.4: 2014

4.1 Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes			
Radiated Emission	9kHz ~ 30MHz	± 4.34dB	(1)			
Radiated Emission	30MHz ~ 1000MHz	± 4.24dB	(1)			
Radiated Emission	1GHz ~ 26.5GHz	± 4.68dB	(1)			
AC Power Line Conducted 0.15MHz ~ 30MHz ± 3.45dB						
Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.						



5 General Information

5.1 Client Information

Applicant:	Lightcomm Technology Co., Ltd.
Address of Applicant:	RM1708-10,17/F,PROSPERITY CENTRE, 25 CHONG YIP STREET,KWUN TONG, HONG KONG
Manufacturer/Factory:	Huizhou Hengdu Electronics Co., Ltd
Address of Manufacturer/Factory:	DIP South Area, Huiao Highway, Huizhou, Guangdong, China

5.2 General Description of EUT

Product Name:	PDVD and Tablet Combo
Model No.:	MDT900X, MDT9001, MDT9002, MDT9003, PLTDVD9200-B, PLTDVD9200, SLTDVD9200, PLTDVD9208, SLTDVD9208
Operation Frequency:	802.11b/802.11g/802.11n(HT20): 2412MHz~2462MHz
	802.11n(HT40): 2422MHz~2452MHz
Channel numbers:	802.11b/802.11g /802.11n(HT20): 11
	802.11(HT40): 7
Channel separation:	5MHz
Modulation technology:	802.11b: Direct Sequence Spread Spectrum (DSSS)
	802.11g/802.11n(H20)/802.11n(H40):
	Orthogonal Frequency Division Multiplexing (OFDM)
Antenna Type:	PCB antenna
Antenna gain:	0dBi(declare by Applicant)
Power supply:	Adapter1:
	Model No.: TEKA012-0502000UK
	Input: AC 100-240V, 50/60Hz, 0.35A Max
	Output: DC 5V, 2A
	Adapter2:
	Input: 12V DC
	Output: 5V, 2A
	Or
	DC 3.7V 4000mAh Li-ion Battery
Remark:	Both adapter 1 and adapter 2 were tested, and the adapter 1 is the worst. So only the data of adapter is reported.

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Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Toot channel	Frequency (MHz)			
Test channel	802.11b/802.11g/802.11n(HT20)	802.11n(HT40)		
Lowest channel	2412MHz	2422MHz		
Middle channel	2437MHz	2437MHz		
Highest channel	2462MHz	2452MHz		

5.3 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode
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Remark: During the test, the dutycycle >98% and the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	802.11b 802.11g		802.11n(HT20)	802.11n(HT40)	
Data rate	1Mbps	6Mbps	6.5Mbps	13Mbps	

5.4 Description of Support Units

N/A:

Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



5.5 Test Facility

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

• FCC —Registration No.: 600491

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fuly described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 600491, June 28, 2013.

• Industry Canada (IC) —Registration No.: 9079A-2

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-2, June 26, 2013.

5.6 **Test Location**

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: Room 301-309, 3th Floor, Block A, Huafeng Jinyuan Business Building, No. 300 Laodong

Industrial Zone, Xixiang Road, Baoan District, Shenzhen 518102

Tel: 0755-27798480 Fax: 0755-27798960



6 Test Instruments list

Rad	Radiated Emission:							
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)		
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	Mar. 27 2015	Mar. 26 2016		
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A		
3	Spectrum Analyzer	Agilent	E4440A	GTS533	Jun. 30 2015	Jun. 29 2016		
4	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June 30 2015	June 29 2016		
5	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June 30 2015	June 29 2016		
6	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 26 2015	June 25 2016		
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 27 2015	Mar. 26 2016		
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		
9	Coaxial Cable	GTS	N/A	GTS213	Mar. 28 2015	Mar. 27 2016		
10	Coaxial Cable	GTS	N/A	GTS211	Mar. 28 2015	Mar. 27 2016		
11	Coaxial cable	GTS	N/A	GTS210	Mar. 28 2015	Mar. 27 2016		
12	Coaxial Cable	GTS	N/A	GTS212	Mar. 28 2015	Mar. 27 2016		
13	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June 30 2015	June 29 2016		
14	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	June 30 2015	June 29 2016		
15	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 26 2015	June 25 2016		
16	Band filter	Amindeon	82346	GTS219	Mar. 28 2015	Mar. 27 2016		
17	Power Meter	Anritsu	ML2495A	GTS540	June 30 2015	June 29 2016		
18	Power Sensor	Anritsu	MA2411B	GTS541	June 30 2015	June 29 2016		

Cond	ducted Emission:					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.0(L)x3.0(W)x3.0(H)	GTS264	Sep. 07 2015	Sep. 06 2016
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	GTS223	June 30 2015	June 29 2016
3	10dB Pulse Limita	Rohde & Schwarz	N/A	GTS224	June 30 2015	June 29 2016
4	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June 30 2015	June 29 2016
5	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	GTS226	June 30 2015	June 29 2016
6	Coaxial Cable	GTS	N/A	GTS227	June 30 2015	June 29 2016
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

Gen	General used equipment:									
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)				
1	Barometer	ChangChun	DYM3	GTS257	July 07 2015	July 06 2016				



7 Test results and Measurement Data

7.1 Antenna requirement

Standard requirement: FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

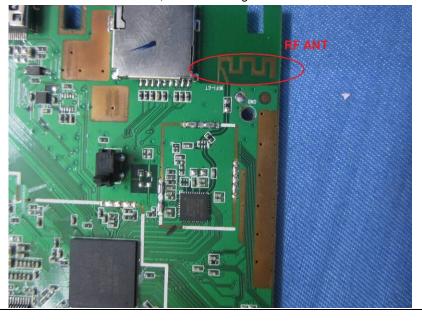
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit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

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The antenna is PCB antenna, the best case gain of the antenna is 0dBi





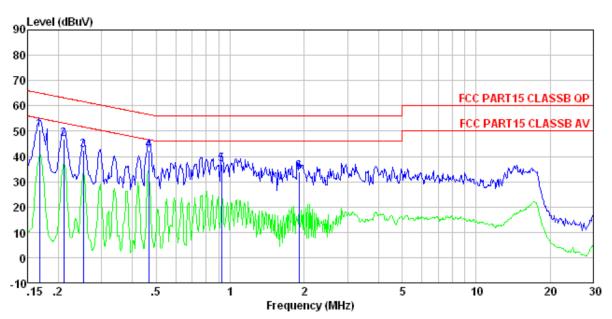
7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207	,					
Test Method:	ANSI C63.10:2013						
	150KHz to 30MHz						
Test Frequency Range:							
Class / Severity:	Class B						
Receiver setup:	RBW=9KHz, VBW=30KHz, Sv		,				
Limit:	Frequency range (MHz)	Limit (c					
	, , ,	Quasi-peak 66 to 56*	Average 56 to 46*				
	0.15-0.5 0.5-5	56	46				
	5-30	60	50				
	* Decreases with the logarithm						
Test setup:	Reference Plane						
	AUX Filter AC power Equipment E.U.T Test table/Insulation plane Remark E U T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m						
Test procedure:	 The E.U.T and simulators a line impedance stabilization 50ohm/50uH coupling impedance. The peripheral devices are LISN that provides a 50ohr 	n network (L.I.S.N.). The edance for the measuri also connected to the	nis provides a ing equipment. main power through a				
	termination. (Please refer to the block diagram of the test setup and photographs).						
	3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.						
Test Instruments:	Refer to section 6.0 for details						
Test mode:	Refer to section 5.3 for details						
Test results:	Pass						



Measurement data

Line:



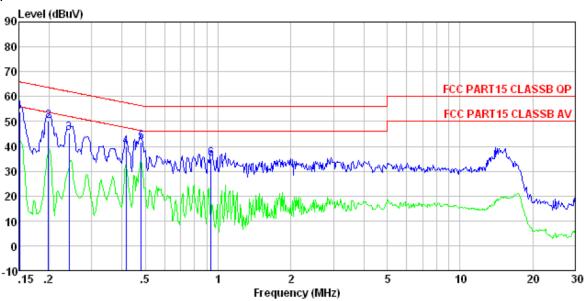
Condition : FCC PART15 CLASSB QP LISN-2013 LINE

Job No. : 2042RF Test mode : WiFi mode Test Engineer: Rong

	Freq		LISN Factor					Remark
,	MHz	dBu₹	dB	d₿	dBuV	dBuV	dB	
1 2 3 4 5 6	0. 211 0. 253 0. 466 0. 923	42. 28 42. 13 36. 67	0.12 0.14	0.13 0.11 0.11	46.88 42.51 42.36 36.94	63.18 61.64 56.58 56.00	-16.30 -19.13 -14.22 -19.06	QP QP QP QP



Neutral:



Condition : FCC PART15 CLASSB QP LISN-2013 NEUTRAL

Job No. : 2042RF Test mode : WiFi mode Test Engineer: Rong

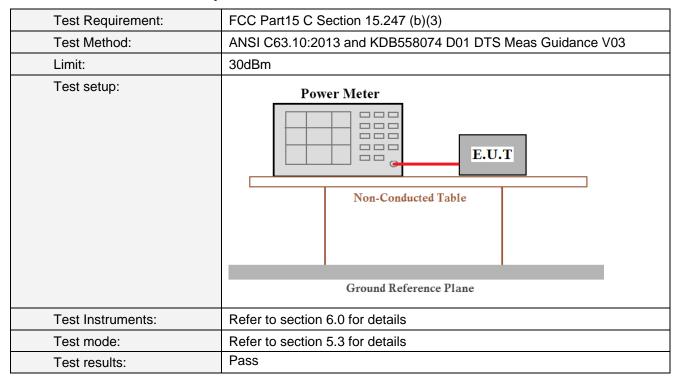
	Freq		LISN Factor				Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1		53.46		0.12				-
2	0.199	49.85	0.07	0.13	50.05	63.67	-13.62	QP
2 3	0.242	45.12	0.06	0.12	45.30	62.04	-16.74	QP
4	0.417	39.71	0.06	0.11	39.88	57.51	-17.63	QP
5	0.481	41.62	0.06	0.11	41.79	56.32	-14.53	QP
6	0.933	34.96	0.07	0.13	35.16	56.00	-20.84	QP

Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss
- 4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.



7.3 Conducted Peak Output Power



Measurement Data

Test CH		Peak Outp	Limit(dBm)	Result		
1031 011	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Limit(abin)	Nesuit
Lowest	7.63	7.34	7.48	7.31		Pass
Middle	7.49	7.56	7.54	7.28	30.00	
Highest	6.92	7.37	7.26	7.48		



7.4 Channel Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)		
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V03		
Limit:	>500KHz		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 6.0 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Pass		

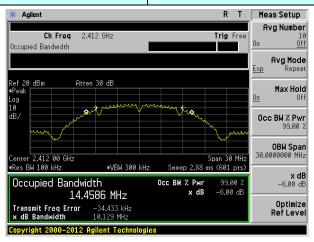
Measurement Data

Test CH		Channel Ban	Limit(KHz)	Result		
Test Off	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Littiit(Ki 12)	Nesuit
Lowest	10.129	16.425	17.652	36.112		Pass
Middle	10.081	16.389	17.619	35.830	>500	
Highest	10.125	16.426	17.638	36.091		

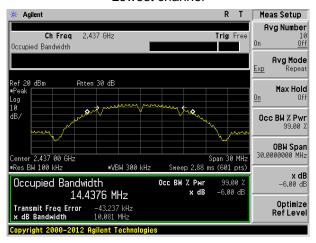
Test plot as follows:



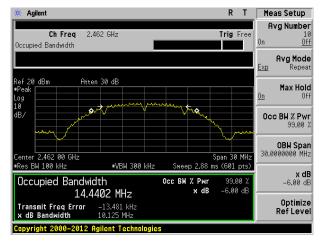
Test mode: 802.11b



Lowest channel



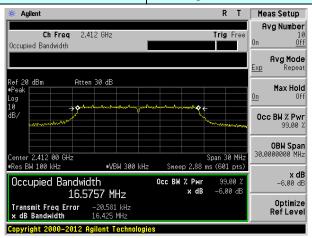
Middle channel



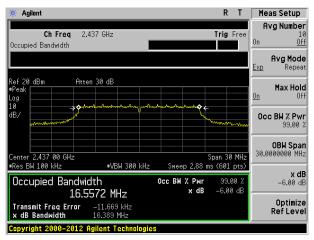
Highest channel



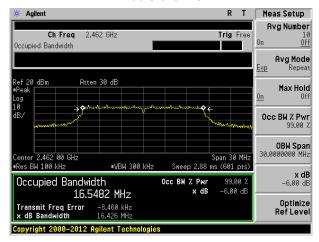
Test mode: 802.11g



Lowest channel



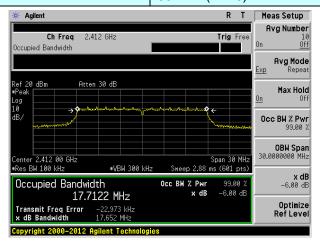
Middle channel



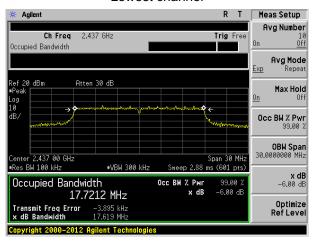
Highest channel



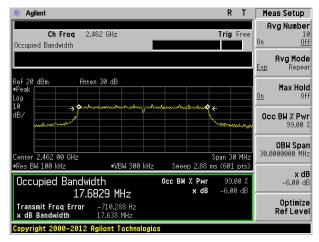
Test mode: 802.11n(HT20)



Lowest channel



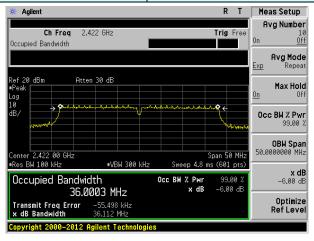
Middle channel



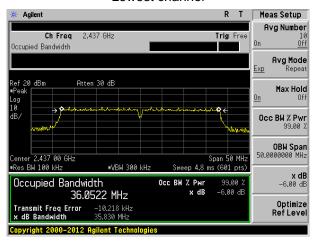
Highest channel



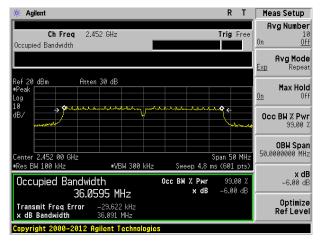
Test mode: 802.11n(HT40)



Lowest channel



Middle channel



Highest channel



7.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)		
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V03		
Limit:	8dBm		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 6.0 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Pass		

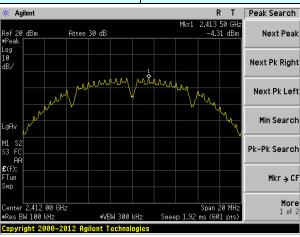
Measurement Data

Test CH		Power Spectra	Limit(dBm/3kHz)	Result			
Test Off	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	LITIIL(GBITI/3KI12)	Kesuit	
Lowest	-4.31	-6.70	-6.79	-10.12		Pass	
Middle	-3.91	-6.60	-6.53	-10.34	8.00		
Highest	-4.43	-7.07	-7.05	-9.82			

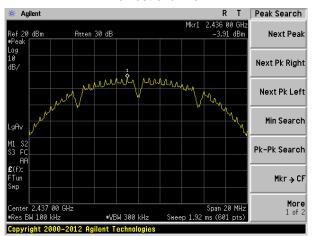


Test plot as follows:

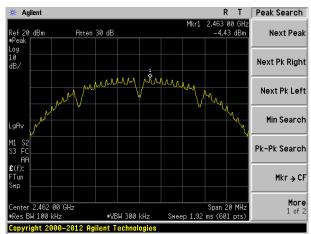
Test mode: 802.11b



Lowest channel



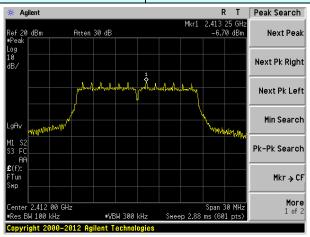
Middle channel



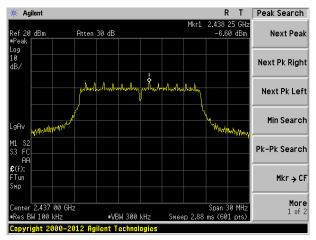
Highest channel



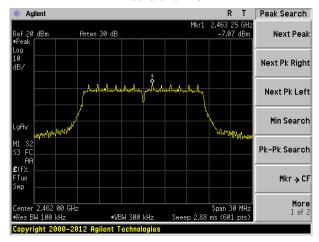
Test mode: 802.11g



Lowest channel



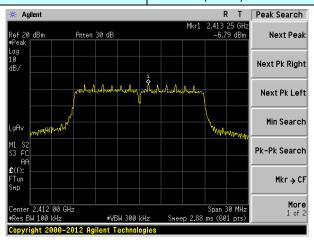
Middle channel



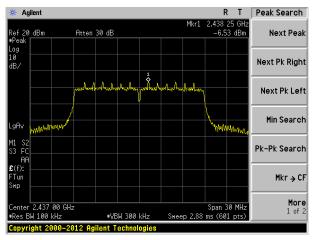
Highest channel



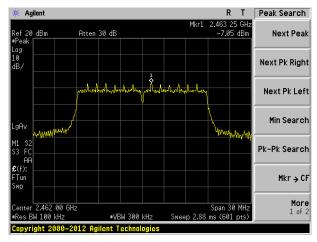
Test mode: 802.11n(HT20)



Lowest channel



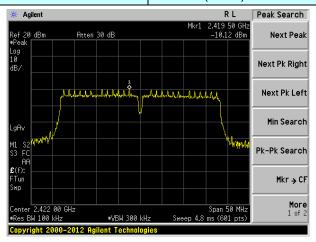
Middle channel



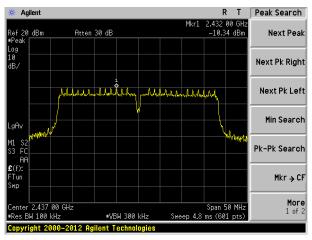
Highest channel



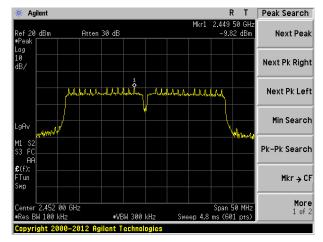
Test mode: 802.11n(HT40)



Lowest channel



Middle channel



Highest channel



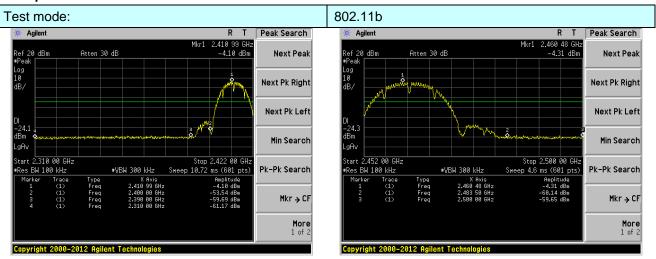
7.6 Band edges

7.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V03				
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 6.0 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Pass				



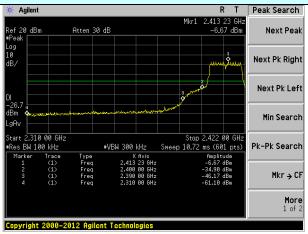
Test plot as follows:



Lowest channel

Highest channel

Test mode:



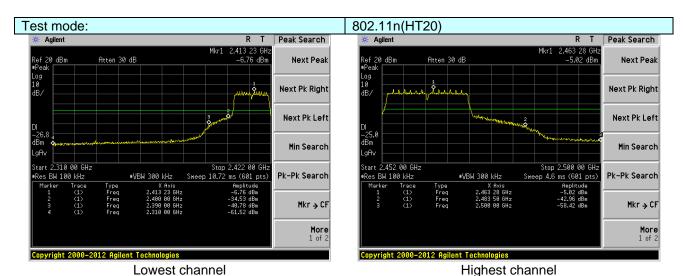
Lowest channel

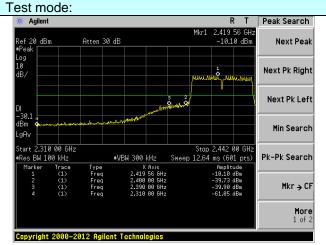
802.11g



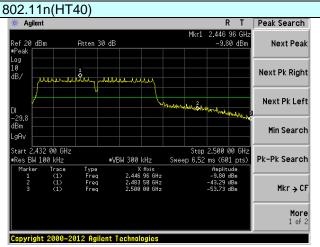
Highest channel











Highest channel



7.6.2 Radiated Emission Method

7.6.2 Radiated Emission We								
Test Requirement:	FCC Part15 C Section 15.209 and 15.205							
Test Method:	ANSI C63.10:20)13						
Test Frequency Range:		All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.						
Test site:	Measurement Distance: 3m							
Receiver setup:	Frequency	Detector	RBW	VBW	Value			
		Peak	1MHz	3MHz	Peak			
	Above 1GHz	RMS	1MHz	3MHz	Average			
Limit:	Freque	ncy	Limit (dBuV/		Value			
	Above 1	GHz —	54.0		Average			
Test setup:	EUT 3m <4 Turn Table v 1.5m A	Antenna Tower Horn Antenna Spectrum Analyzer						
Test Procedure:								
Test Instruments:	Refer to section							
Test mode:	Refer to section	5.3 for details						
Test results:	Pass							

Page 27 of 61



Measurement data:

Remark: The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

Test mode:		802.1	1b	-	Test channel:		Lowest	
Peak value:	•							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Factor (dB)	· i revei	Limit Line (dBuV/m)	I I imit	Polarization
2390.00	51.83	27.59	5.38	34.01	50.79	74.00	-23.21	Horizontal
2400.00	60.91	27.58	5.39	34.01	59.87	74.00	-14.13	Horizontal
2390.00	53.53	27.59	5.38	34.01	52.49	74.00	-21.51	Vertical
2400.00	62.75	27.58	5.39	34.01	61.71	74.00	-12.29	Vertical
Average va	lue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Factor (dB)	. I Level	Limit Line (dBuV/m)	I I imit	Polarization
2390.00	38.54	27.59	5.38	34.01	37.50	54.00	-16.50	Horizontal
2400.00	46.86	27.58	5.39	34.01	45.82	54.00	-8.18	Horizontal
2390.00	40.38	27.59	5.38	34.01	39.34	54.00	-14.66	Vertical
2400.00	48.00	27.58	5.39	34.01	46.96	54.00	-7.04	Vertical
Test mode:		802.1	1b	-	Test channel:		Highest	

Test mode: 802.11b	Test channel:	Highest
--------------------	---------------	---------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	52.57	27.53	5.47	33.92	51.65	74.00	-22.35	Horizontal
2500.00	48.34	27.55	5.49	29.93	51.45	74.00	-22.55	Horizontal
2483.50	54.87	27.53	5.47	33.92	53.95	74.00	-20.05	Vertical
2500.00	50.88	27.55	5.49	29.93	53.99	74.00	-20.01	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	38.93	27.53	5.47	33.92	38.01	54.00	-15.99	Horizontal
2500.00	35.00	27.55	5.49	29.93	38.11	54.00	-15.89	Horizontal
2483.50	40.90	27.53	5.47	33.92	39.98	54.00	-14.02	Vertical
2500.00	36.89	27.55	5.49	29.93	40.00	54.00	-14.00	Vertical

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Page 28 of 61



802.11g

Test mode:

Report No.: GTSE15110204201

Lowest

rest mode.		002.1	19	16	si charinei.	<u> </u>	-owest	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	50.45	27.59	5.38	34.01	49.41	74.00	-24.59	Horizontal
2400.00	59.07	27.58	5.39	34.01	58.03	74.00	-15.97	Horizontal
2390.00	52.05	27.59	5.38	34.01	51.01	74.00	-22.99	Vertical
2400.00	60.54	27.58	5.39	34.01	59.50	74.00	-14.50	Vertical
Average va	lue:				•		•	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	37.56	27.59	5.38	34.01	36.52	54.00	-17.48	Horizontal
2400.00	45.72	27.58	5.39	34.01	44.68	54.00	-9.32	Horizontal
2390.00	39.28	27.59	5.38	34.01	38.24	54.00	-15.76	Vertical
2400.00	46.76	27.58	5.39	34.01	45.72	54.00	-8.28	Vertical
Test mode:		802.1	1g	Test channel:		Highest		
Peak value:	;							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	50.60	27.53	5.47	33.92	49.68	74.00	-24.32	Horizontal
2500.00	46.81	27.55	5.49	29.93	49.92	74.00	-24.08	Horizontal
2483.50	52.61	27.53	5.47	33.92	51.69	74.00	-22.31	Vertical
2500.00	49.09	27.55	5.49	29.93	52.20	74.00	-21.80	Vertical
Average va	lue:	1		1	7	ı	1	1
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	37.74	27.53	5.47	33.92	36.82	54.00	-17.18	Horizontal
2500.00	34.07	27.55	5.49	29.93	37.18	54.00	-16.82	Horizontal
2483.50	39.58	27.53	5.47	33.92	38.66	54.00	-15.34	Vertical
2500.00	35.91	27.55	5.49	29.93	39.02	54.00	-14.98	Vertical

Test channel:

Global United Technology Services Co., Ltd.

Room 301-309, 3th Floor, Block A, Huafeng Jinyuan Business Building, No. 300 Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen 518102

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



Test mode:

Report No.: GTSE15110204201

Lowest

Peak value:				•				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	50.60	27.59	5.38	34.01	49.56	74.00	-24.44	Horizontal
2400.00	59.26	27.58	5.39	34.01	58.22	74.00	-15.78	Horizontal
2390.00	52.21	27.59	5.38	34.01	51.17	74.00	-22.83	Vertical
2400.00	60.77	27.58	5.39	34.01	59.73	74.00	-14.27	Vertical
Average va	lue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	37.66	27.59	5.38	34.01	36.62	54.00	-17.38	Horizontal
2400.00	45.84	27.58	5.39	34.01	44.80	54.00	-9.20	Horizontal
2390.00	39.40	27.59	5.38	34.01	38.36	54.00	-15.64	Vertical
2400.00	46.89	27.58	5.39	34.01	45.85	54.00	-8.15	Vertical
Took models								
Test mode:		802.1	1n(HT20)	Te	st channel:	F	lighest	
Peak value:		802.1	1n(HT20)	Te	st channel:	F	lighest	
	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
Peak value:	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Polarization Horizontal
Peak value: Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	
Peak value: Frequency (MHz) 2483.50	Read Level (dBuV) 50.80	Antenna Factor (dB/m) 27.53	Cable Loss (dB) 5.47	Preamp Factor (dB) 33.92	Level (dBuV/m) 49.88	Limit Line (dBuV/m) 74.00	Over Limit (dB) -24.12	Horizontal
Frequency (MHz) 2483.50 2500.00	Read Level (dBuV) 50.80 46.97	Antenna Factor (dB/m) 27.53 27.55	Cable Loss (dB) 5.47 5.49	Preamp Factor (dB) 33.92 29.93	Level (dBuV/m) 49.88 50.08	Limit Line (dBuV/m) 74.00 74.00	Over Limit (dB) -24.12 -23.92	Horizontal Horizontal
Peak value: Frequency (MHz) 2483.50 2500.00 2483.50	Read Level (dBuV) 50.80 46.97 52.85 49.28	Antenna Factor (dB/m) 27.53 27.55 27.53	Cable Loss (dB) 5.47 5.49 5.47	Preamp Factor (dB) 33.92 29.93 33.92	Level (dBuV/m) 49.88 50.08 51.93	Limit Line (dBuV/m) 74.00 74.00 74.00	Over Limit (dB) -24.12 -23.92 -22.07	Horizontal Horizontal Vertical
Peak value: Frequency (MHz) 2483.50 2500.00 2483.50 2500.00	Read Level (dBuV) 50.80 46.97 52.85 49.28	Antenna Factor (dB/m) 27.53 27.55 27.53	Cable Loss (dB) 5.47 5.49 5.47	Preamp Factor (dB) 33.92 29.93 33.92	Level (dBuV/m) 49.88 50.08 51.93	Limit Line (dBuV/m) 74.00 74.00 74.00	Over Limit (dB) -24.12 -23.92 -22.07	Horizontal Horizontal Vertical
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average va	Read Level (dBuV) 50.80 46.97 52.85 49.28 Iue:	Antenna Factor (dB/m) 27.53 27.55 27.53 27.55	Cable Loss (dB) 5.47 5.49 5.47 5.49 Cable Loss	Preamp Factor (dB) 33.92 29.93 33.92 29.93 Preamp Factor	Level (dBuV/m) 49.88 50.08 51.93 52.39	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line	Over Limit (dB) -24.12 -23.92 -22.07 -21.61 Over Limit	Horizontal Horizontal Vertical Vertical
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average va Frequency (MHz)	Read Level (dBuV) 50.80 46.97 52.85 49.28 Iue: Read Level (dBuV)	Antenna Factor (dB/m) 27.53 27.55 27.53 27.55 Antenna Factor (dB/m)	Cable Loss (dB) 5.47 5.49 5.47 Cable Loss (dB)	Preamp Factor (dB) 33.92 29.93 33.92 29.93 Preamp Factor (dB)	Level (dBuV/m) 49.88 50.08 51.93 52.39 Level (dBuV/m)	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m)	Over Limit (dB) -24.12 -23.92 -22.07 -21.61 Over Limit (dB)	Horizontal Horizontal Vertical Vertical Polarization
Peak value: Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average va Frequency (MHz) 2483.50	Read Level (dBuV) 50.80 46.97 52.85 49.28 Iue: Read Level (dBuV) 37.87	Antenna Factor (dB/m) 27.53 27.55 27.55 Antenna Factor (dB/m) 27.53	Cable Loss (dB) 5.47 5.49 5.47 Cable Loss (dB) 5.47	Preamp Factor (dB) 33.92 29.93 33.92 29.93 Preamp Factor (dB) 33.92	Level (dBuV/m) 49.88 50.08 51.93 52.39 Level (dBuV/m)	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m) 54.00	Over Limit (dB) -24.12 -23.92 -22.07 -21.61 Over Limit (dB) -17.05	Horizontal Horizontal Vertical Vertical Polarization Horizontal
Peak value: Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average va Frequency (MHz) 2483.50 2500.00	Read Level (dBuV) 50.80 46.97 52.85 49.28 Iue: Read Level (dBuV) 37.87 34.17	Antenna Factor (dB/m) 27.53 27.55 27.55 Antenna Factor (dB/m) 27.53 27.55	Cable Loss (dB) 5.47 5.49 Cable Loss (dB) 5.47 5.49	Preamp Factor (dB) 33.92 29.93 33.92 29.93 Preamp Factor (dB) 33.92 29.93	Level (dBuV/m) 49.88 50.08 51.93 52.39 Level (dBuV/m) 36.95 37.28	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m) 54.00 54.00	Over Limit (dB) -24.12 -23.92 -22.07 -21.61 Over Limit (dB) -17.05 -16.72	Horizontal Horizontal Vertical Vertical Polarization Horizontal Horizontal

Test channel:

802.11n(HT20)

Page 30 of 61

^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2.} The emission levels of other frequencies are very lower than the limit and not show in test report.



Test mode:

Peak value:

Report No.: GTSE15110204201

Lowest

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	49.76	27.59	5.38	34.01	48.72	74.00	-25.28	Horizontal
2400.00	58.14	27.58	5.39	34.01	57.10	74.00	-16.90	Horizontal
2390.00	51.31	27.59	5.38	34.01	50.27	74.00	-23.73	Vertical
2400.00	59.43	27.58	5.39	34.01	58.39	74.00	-15.61	Vertical
Average va	lue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	37.07	27.59	5.38	34.01	36.03	54.00	-17.97	Horizontal
2400.00	45.16	27.58	5.39	34.01	44.12	54.00	-9.88	Horizontal
2390.00	38.74	27.59	5.38	34.01	37.70	54.00	-16.30	Vertical
2400.00	46.14	27.58	5.39	34.01	45.10	54.00	-8.90	Vertical
Test mode:		802.1	1n(HT40)	Tes	st channel:	F	lighest	
Peak value	:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50				,			(ub)	
2400.00	49.61	27.53	5.47	33.92	48.69	74.00	-25.31	Horizontal
2500.00	49.61 46.04	27.53 27.55	5.47 5.49	33.92 29.93	48.69 49.15	74.00 74.00	, ,	Horizontal Horizontal
							-25.31	
2500.00	46.04	27.55	5.49	29.93	49.15	74.00	-25.31 -24.85	Horizontal
2500.00 2483.50	46.04 51.48 48.20	27.55 27.53	5.49 5.47	29.93 33.92	49.15 50.56	74.00 74.00	-25.31 -24.85 -23.44	Horizontal Vertical
2500.00 2483.50 2500.00	46.04 51.48 48.20	27.55 27.53	5.49 5.47	29.93 33.92	49.15 50.56	74.00 74.00	-25.31 -24.85 -23.44	Horizontal Vertical
2500.00 2483.50 2500.00 Average va Frequency	46.04 51.48 48.20 Ilue: Read Level	27.55 27.53 27.55 Antenna Factor	5.49 5.47 5.49 Cable Loss	29.93 33.92 29.93 Preamp Factor	49.15 50.56 51.31 Level	74.00 74.00 74.00 Limit Line	-25.31 -24.85 -23.44 -22.69 Over Limit	Horizontal Vertical Vertical
2500.00 2483.50 2500.00 Average va Frequency (MHz)	46.04 51.48 48.20 Ilue: Read Level (dBuV)	27.55 27.53 27.55 Antenna Factor (dB/m)	5.49 5.47 5.49 Cable Loss (dB)	29.93 33.92 29.93 Preamp Factor (dB)	49.15 50.56 51.31 Level (dBuV/m)	74.00 74.00 74.00 Limit Line (dBuV/m)	-25.31 -24.85 -23.44 -22.69 Over Limit (dB)	Horizontal Vertical Vertical Polarization
2500.00 2483.50 2500.00 Average va Frequency (MHz) 2483.50	46.04 51.48 48.20 Ilue: Read Level (dBuV) 37.15	27.55 27.53 27.55 Antenna Factor (dB/m) 27.53	5.49 5.47 5.49 Cable Loss (dB) 5.47	29.93 33.92 29.93 Preamp Factor (dB) 33.92	49.15 50.56 51.31 Level (dBuV/m) 36.23	74.00 74.00 74.00 Limit Line (dBuV/m) 54.00	-25.31 -24.85 -23.44 -22.69 Over Limit (dB) -17.77	Horizontal Vertical Vertical Polarization Horizontal

Test channel:

802.11n(HT40)

Global United Technology Services Co., Ltd.

Room 301-309, 3th Floor, Block A, Huafeng Jinyuan Business Building, No. 300 Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen 518102 Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Page 31 of 61



7.7 Spurious Emission

7.7.1 Conducted Emission Method

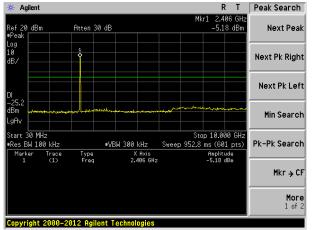
Test Requirement:	FCC Part15 C Section 15.247 (d)					
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V03					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane					
Test Instruments:	Refer to section 6.0 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Pass					



Test plot as follows:

Test mode: 802.11b

Lowest channel

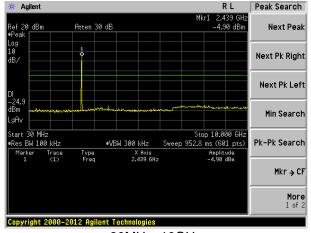


30MHz~10GHz

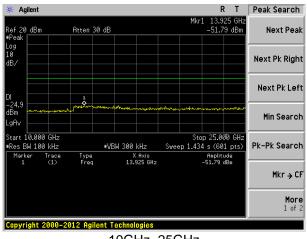
R T Peak Search Agilent ef 20 dBm Next Peak Atten 30 dB Next Pk Right Next Pk Left Min Search Stop 25.000 GHz Sweep 1.434 s (601 pts) tart 10.000 GHz #VBW 300 kHz Pk-Pk Search Res BW 100 kHz Type Freq Amplitude -51.36 dBm X fixis 14.425 GHz Mkr → CF More 1 of 2 Copyright 2000-2012 Agilent Technologies

10GHz~25GHz

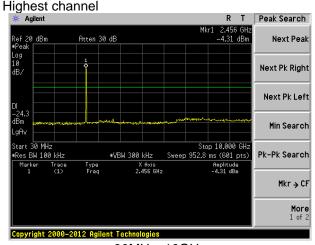
Middle channel



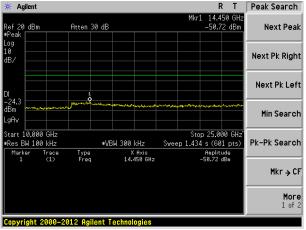
30MHz~10GHz



10GHz~25GHz



30MHz~10GHz



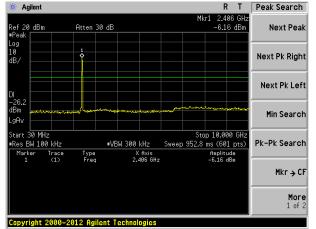
10GHz~25GHz



Test mode:

802.11g

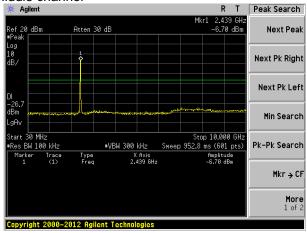
Lowest channel



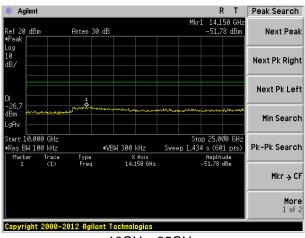
30MHz~10GHz

10GHz~25GHz

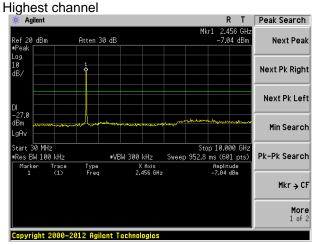
Middle channel



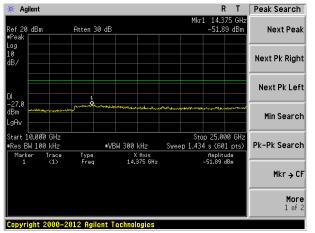
30MHz~10GHz



10GHz~25GHz



30MHz~10GHz



10GHz~25GHz



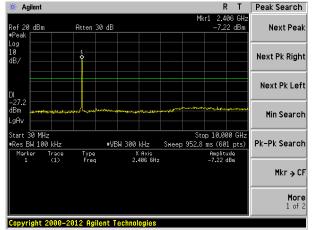
R T Peak Search

More 1 of 2

Test mode:

802.11n(HT20)

Lowest channel

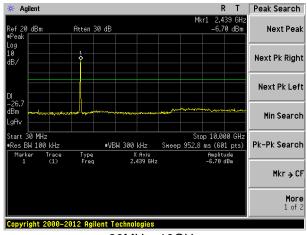


30MHz~10GHz

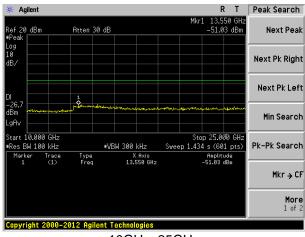
10GHz~25GHz

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Middle channel

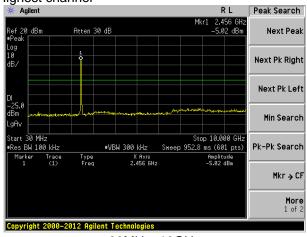


30MHz~10GHz

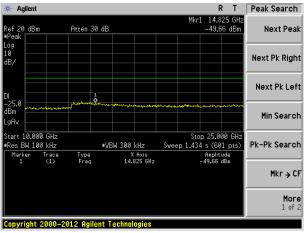


10GHz~25GHz





30MHz~10GHz



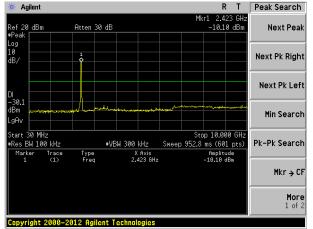
10GHz~25GHz



Test mode:

802.11n(HT40)

Lowest channel

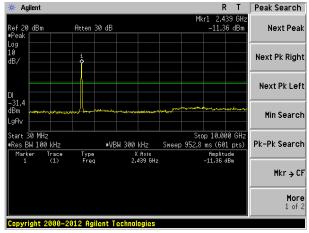


30MHz~10GHz

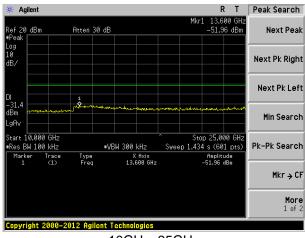
R T Peak Search 14.525 GH: -49.85 dBm Atten 30 dB Next Peak Ref 20 dBm Next Pk Right Next Pk Left Min Search Start 10.000 GH Stop 25.000 GH: Sweep 1.434 s (601 pts) Res BW 100 kHz #VBW 300 kHz Pk-Pk Search Type Freq X fixis 14.525 GHz Amplitude -49.85 dBm Mkr → CF More 1 of 2 Copyright 2000-2012 Agilent Technologies

10GHz~25GHz

Middle channel

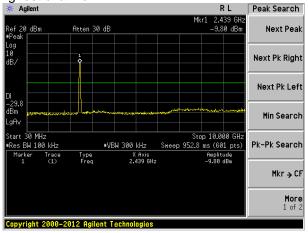


30MHz~10GHz

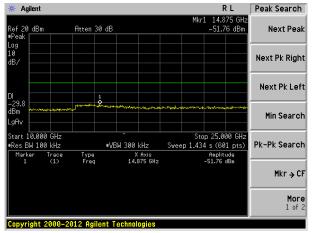


10GHz~25GHz





30MHz~10GHz



10GHz~25GHz



7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Se	ection 15.209									
Test Method:	ANSI C63.10:20 ²	FCC Part15 C Section 15.209 ANSI C63.10:2013									
Test Frequency Range:	30MHz to 25GHz	30MHz to 25GHz									
Test site:	Measurement Dis	Measurement Distance: 3m Frequency Detector RBW VBW Value									
Receiver setup:	Frequency										
	30MHz-1GHz	30MHz-1GHz Quasi-peak 120KHz 300KHz									
	Above 1CHz	Above 1GHz Quasi-peak 120KHz 300KHz Peak 1MHz 3MHz RMS 1MHz 3MHz									
	Above 1GHZ	Above 1GHz RMS 1MHz 3MHz									
Limit:	Frequer	icy L	imit (dBuV	/m @3m)	Value						
	30MHz-88	MHz	40.0	00	Quasi-peak						
	88MHz-216	6MHz	43.5	50	Quasi-peak						
	216MHz-96	216MHz-960MHz 46.00 Quasi-peak									
	960MHz-1	GHz	54.0	00	Quasi-peak						
	A h a v a 4 d	211-	54.0	00	Average						
	Above 10	3ΠZ	74.0	00	Peak						
	Tum 0.8m Table 0.8m Above 1.GHz	4m		RF Test Receiver							
	Above 1GHz Antenna Tower Horn Antenna Spectrum Analyzer Table Amplifier										

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Page 37 of 61



Test Procedure:	1. The EUT was placed on the top of a rotating table(0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
	2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
	3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
	The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data sheet.
	7. The radiation measurements are performed in X, Y, Z axis positioning. And found the Y axis positioning which it is worse case, only the test worst case mode is recorded in the report.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Remark:

Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.



Measurement Data

■ Below 1GHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
35.50	47.79	14.44	0.61	30.07	32.77	40.00	-7.23	Vertical
71.83	53.64	10.32	0.96	29.84	35.08	40.00	-4.92	Vertical
128.11	56.29	11.22	1.42	29.52	39.41	43.50	-4.09	Vertical
179.39	44.67	11.62	1.74	29.28	28.75	43.50	-14.75	Vertical
338.40	32.83	16.05	2.57	29.79	21.66	46.00	-24.34	Vertical
520.89	42.66	19.00	3.39	29.30	35.75	46.00	-10.25	Vertical
41.28	48.01	15.57	0.68	30.04	34.22	40.00	-5.78	Horizontal
82.65	52.71	11.57	1.05	29.78	35.55	40.00	-4.45	Horizontal
106.76	52.23	14.54	1.25	29.65	38.37	43.50	-5.13	Horizontal
172.60	49.91	11.16	1.70	29.31	33.46	43.50	-10.04	Horizontal
312.18	42.27	15.22	2.42	29.93	29.98	46.00	-16.02	Horizontal
513.63	39.53	18.89	3.36	29.30	32.48	46.00	-13.52	Horizontal



■ Above 1GHz

Test mode:		802.11b		Test	channel:	Lowe	est	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	41.44	31.79	8.62	32.10	49.75	74.00	-24.25	Vertical
7236.00	34.94	36.19	11.68	31.97	50.84	74.00	-23.16	Vertical
9648.00	33.23	38.07	14.16	31.56	53.90	74.00	-20.10	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	39.93	31.79	8.62	32.10	48.24	74.00	-25.76	Horizontal
7236.00	34.60	36.19	11.68	31.97	50.50	74.00	-23.50	Horizontal
9648.00	32.77	38.07	14.16	31.56	53.44	74.00	-20.56	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal
Average val								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	30.43	31.79	8.62	32.10	38.74	54.00	-15.26	Vertical
7236.00	23.78	36.19	11.68	31.97	39.68	54.00	-14.32	Vertical
9648.00	23.56	38.07	14.16	31.56	44.23	54.00	-9.77	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	29.41	31.79	8.62	32.10	37.72	54.00	-16.28	Horizontal
7236.00	23.16	36.19	11.68	31.97	39.06	54.00	-14.94	Horizontal
9648.00	22.50	38.07	14.16	31.56	43.17	54.00	-10.83	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11b		Test	channel:	Midd	le	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	40.29	31.85	8.66	32.12	48.68	74.00	-25.32	Vertical
7311.00	34.89	36.37	11.71	31.91	51.06	74.00	-22.94	Vertical
9748.00	34.16	38.27	14.25	31.56	55.12	74.00	-18.88	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	40.63	31.85	8.66	32.12	49.02	74.00	-24.98	Horizontal
7311.00	33.45	36.37	11.71	31.91	49.62	74.00	-24.38	Horizontal
9748.00	34.02	38.27	14.25	31.56	54.98	74.00	-19.02	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	31.07	31.85	8.66	32.12	39.46	54.00	-14.54	Vertical
7311.00	23.18	36.37	11.71	31.91	39.35	54.00	-14.65	Vertical
9748.00	23.40	38.27	14.25	31.56	44.36	54.00	-9.64	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	30.69	31.85	8.66	32.12	39.08	54.00	-14.92	Horizontal
7311.00	22.52	36.37	11.71	31.91	38.69	54.00	-15.31	Horizontal
9748.00	23.72	38.27	14.25	31.56	44.68	54.00	-9.32	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11b		Te	est channel:	High	est	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)		Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	46.51	31.90	8.70	32.15	54.96	74.00	-19.04	Vertical
7386.00	35.99	36.49	11.76	31.83	52.41	74.00	-21.59	Vertical
9848.00	37.76	38.62	14.31	31.77	58.92	74.00	-15.08	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	45.56	31.90	8.70	32.15	54.01	74.00	-19.99	Horizontal
7386.00	34.77	36.49	11.76	31.83	51.19	74.00	-22.81	Horizontal
9848.00	33.88	38.62	14.31	31.77	55.04	74.00	-18.96	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal
Average val			,		-			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)	. i revei	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	37.30	31.90	8.70	32.15	45.75	54.00	-8.25	Vertical
7386.00	25.87	36.49	11.76	31.83	42.29	54.00	-11.71	Vertical
9848.00	26.24	38.62	14.31	31.77	47.40	54.00	-6.60	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	35.84	31.90	8.70	32.15	44.29	54.00	-9.71	Horizontal
7386.00	24.13	36.49	11.76	31.83	40.55	54.00	-13.45	Horizontal
9848.00	23.11	38.62	14.31	31.77	44.27	54.00	-9.73	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*	_				54.00		Horizontal

Remark:

^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11g		Test	channel:	lowes	st	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	39.79	31.79	8.62	32.10	48.10	74.00	-25.90	Vertical
7236.00	33.90	36.19	11.68	31.97	49.80	74.00	-24.20	Vertical
9648.00	32.49	38.07	14.16	31.56	53.16	74.00	-20.84	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.54	31.79	8.62	32.10	46.85	74.00	-27.15	Horizontal
7236.00	33.69	36.19	11.68	31.97	49.59	74.00	-24.41	Horizontal
9648.00	32.08	38.07	14.16	31.56	52.75	74.00	-21.25	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	28.92	31.79	8.62	32.10	37.23	54.00	-16.77	Vertical
7236.00	22.78	36.19	11.68	31.97	38.68	54.00	-15.32	Vertical
9648.00	22.84	38.07	14.16	31.56	43.51	54.00	-10.49	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertica
4824.00	28.11	31.79	8.62	32.10	36.42	54.00	-17.58	Horizontal
7236.00	22.28	36.19	11.68	31.97	38.18	54.00	-15.82	Horizontal
9648.00	21.84	38.07	14.16	31.56	42.51	54.00	-11.49	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11g		Test	channel:	Midd	le	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	38.94	31.85	8.66	32.12	47.33	74.00	-26.67	Vertical
7311.00	34.03	36.37	11.71	31.91	50.20	74.00	-23.80	Vertical
9748.00	33.55	38.27	14.25	31.56	54.51	74.00	-19.49	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.48	31.85	8.66	32.12	47.87	74.00	-26.13	Horizontal
7311.00	32.70	36.37	11.71	31.91	48.87	74.00	-25.13	Horizontal
9748.00	33.45	38.27	14.25	31.56	54.41	74.00	-19.59	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.82	31.85	8.66	32.12	38.21	54.00	-15.79	Vertical
7311.00	22.35	36.37	11.71	31.91	38.52	54.00	-15.48	Vertical
9748.00	22.81	38.27	14.25	31.56	43.77	54.00	-10.23	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.61	31.85	8.66	32.12	38.00	54.00	-16.00	Horizontal
7311.00	21.80	36.37	11.71	31.91	37.97	54.00	-16.03	Horizontal
9748.00	23.17	38.27	14.25	31.56	44.13	54.00	-9.87	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11g		Те	st channel:	High	est	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	1 4//41	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	44.17	31.90	8.70	32.15	52.62	74.00	-21.38	Vertical
7386.00	34.52	36.49	11.76	31.83	50.94	74.00	-23.06	Vertical
9848.00	36.71	38.62	14.31	31.77	57.87	74.00	-16.13	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	43.59	31.90	8.70	32.15	52.04	74.00	-21.96	Horizontal
7386.00	33.47	36.49	11.76	31.83	49.89	74.00	-24.11	Horizontal
9848.00	32.90	38.62	14.31	31.77	54.06	74.00	-19.94	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal
Average val			,					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	i evei	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	35.14	31.90	8.70	32.15	43.59	54.00	-10.41	Vertical
7386.00	24.45	36.49	11.76	31.83	40.87	54.00	-13.13	Vertical
9848.00	25.22	38.62	14.31	31.77	46.38	54.00	-7.62	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	33.99	31.90	8.70	32.15	42.44	54.00	-11.56	Horizontal
7386.00	22.87	36.49	11.76	31.83	39.29	54.00	-14.71	Horizontal
9848.00	22.17	38.62	14.31	31.77	43.33	54.00	-10.67	Horizontal
12310.00	*	_				54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	IT20)	Test	channel:	Lowe	est	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	40.30	31.79	8.62	32.10	48.61	74.00	-25.39	Vertical
7236.00	34.22	36.19	11.68	31.97	50.12	74.00	-23.88	Vertical
9648.00	32.72	38.07	14.16	31.56	53.39	74.00	-20.61	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.97	31.79	8.62	32.10	47.28	74.00	-26.72	Horizontal
7236.00	33.97	36.19	11.68	31.97	49.87	74.00	-24.13	Horizontal
9648.00	32.30	38.07	14.16	31.56	52.97	74.00	-21.03	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	29.39	31.79	8.62	32.10	37.70	54.00	-16.30	Vertical
7236.00	23.09	36.19	11.68	31.97	38.99	54.00	-15.01	Vertical
9648.00	23.06	38.07	14.16	31.56	43.73	54.00	-10.27	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	28.51	31.79	8.62	32.10	36.82	54.00	-17.18	Horizontal
7236.00	22.55	36.19	11.68	31.97	38.45	54.00	-15.55	Horizontal
9648.00	22.04	38.07	14.16	31.56	42.71	54.00	-11.29	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	IT20)	Test	channel:	Midd	le	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	39.36	31.85	8.66	32.12	47.75	74.00	-26.25	Vertical
7311.00	34.29	36.37	11.71	31.91	50.46	74.00	-23.54	Vertical
9748.00	33.74	38.27	14.25	31.56	54.70	74.00	-19.30	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.84	31.85	8.66	32.12	48.23	74.00	-25.77	Horizontal
7311.00	32.94	36.37	11.71	31.91	49.11	74.00	-24.89	Horizontal
9748.00	33.63	38.27	14.25	31.56	54.59	74.00	-19.41	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	30.21	31.85	8.66	32.12	38.60	54.00	-15.40	Vertical
7311.00	22.61	36.37	11.71	31.91	38.78	54.00	-15.22	Vertical
9748.00	22.99	38.27	14.25	31.56	43.95	54.00	-10.05	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.95	31.85	8.66	32.12	38.34	54.00	-15.66	Horizontal
7311.00	22.02	36.37	11.71	31.91	38.19	54.00	-15.81	Horizontal
9748.00	23.34	38.27	14.25	31.56	44.30	54.00	-9.70	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	IT20)	Tes	t channel:	High	est	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	44.89	31.90	8.70	32.15	53.34	74.00	-20.66	4924.00
7386.00	34.97	36.49	11.76	31.83	51.39	74.00	-22.61	7386.00
9848.00	37.03	38.62	14.31	31.77	58.19	74.00	-15.81	9848.00
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	44.20	31.90	8.70	32.15	52.65	74.00	-21.35	Horizontal
7386.00	33.87	36.49	11.76	31.83	50.29	74.00	-23.71	Horizontal
9848.00	33.20	38.62	14.31	31.77	54.36	74.00	-19.64	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal
Average val								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	35.81	31.90	8.70	32.15	44.26	54.00	-9.74	Vertical
7386.00	24.89	36.49	11.76	31.83	41.31	54.00	-12.69	Vertical
9848.00	25.54	38.62	14.31	31.77	46.70	54.00	-7.30	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	34.56	31.90	8.70	32.15	43.01	54.00	-10.99	Horizontal
7386.00	23.26	36.49	11.76	31.83	39.68	54.00	-14.32	Horizontal
9848.00	22.46	38.62	14.31	31.77	43.62	54.00	-10.38	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

¹ Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2 &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(HT40)			Test channel:			Lowest		
Peak value:		•								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Level (dBuV/m)	Limit Line (dBuV/m)		Over Limit (dB)	polarization
4844.00	39.06	31.81	8.63	32.11		47.39	74.00		-26.61	Vertical
7266.00	33.44	36.28	11.69	31.94		49.47	74.00		-24.53	Vertical
9688.00	32.16	38.13	14.21	31.52		52.98	74.00		-21.02	Vertical
12060.00	*						74.	00		Vertical
14472.00	*						74.	00		Vertical
16884.00	*						74.	00		Vertical
4844.00	37.92	31.81	8.63	32.11		46.25	74.	00	-27.75	Horizontal
7266.00	33.29	36.28	11.69	31.94		49.32	74.	00	-24.68	Horizontal
9688.00	31.78	38.13	14.21	31.52		52.60	74.	00	-21.40	Horizontal
12060.00	*						74.	00		Horizontal
14472.00	*						74.	00		Horizontal
16884.00	*						74.	00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844.00	28.24	31.81	8.63	32.11	36.57	54.00	-17.43	Vertical
7266.00	22.33	36.28	11.69	31.94	38.36	54.00	-15.64	Vertical
9688.00	22.53	38.13	14.21	31.52	43.35	54.00	-10.65	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4844.00	27.53	31.81	8.63	32.11	35.86	54.00	-18.14	Horizontal
7266.00	21.89	36.28	11.69	31.94	37.92	54.00	-16.08	Horizontal
9688.00	21.55	38.13	14.21	31.52	42.37	54.00	-11.63	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	IT40)		Test channel:		Middle			
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Level (dBuV/m)	Limit Line (dBuV/m)		Over Limit (dB)	polarization
4874.00	38.33	31.85	8.66	32.12		46.72	74.	00	-27.28	Vertical
7311.00	33.65	36.37	11.71	31.91		49.82	74.	00	-24.18	Vertical
9748.00	33.27	38.27	14.25	31.56		54.23	74.	00	-19.77	Vertical
12185.00	*						74.00			Vertical
14622.00	*						74.00			Vertical
17059.00	*						74.00			Vertical
4874.00	38.97	31.85	8.66	32	2.12	47.36	74.00		-26.64	Horizontal
7311.00	32.37	36.37	11.71	31	.91	48.54	74.00		-25.46	Horizontal
9748.00	33.20	38.27	14.25	31.56		54.16	74.00		-19.84	Horizontal
12185.00	*						74.	00		Horizontal
14622.00	*						74.	00		Horizontal
17059.00	*						74.	00		Horizontal
Average val										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	eamp ctor dB)	Level (dBuV/m)	Limit (dBu)		Over Limit (dB)	polarization
4874.00	29.26	31.85	8.66	32	2.12	37.65	54.	00	-16.35	Vertical
7311.00	21.98	36.37	11.71	31	.91	38.15	54.	00	-15.85	Vertical
9748.00	22.54	38.27	14.25	31	.56	43.50	54.	00	-10.50	Vertical
12185.00	*						54.	00		Vertical
14622.00	*						54.	00		Vertical
17059.00	*						54.	00		Vertical
4874.00	29.13	31.85	8.66	32	2.12	37.52	54.	00	-16.48	Horizontal
7311.00	21.47	36.37	11.71	31	.91	37.64	54.	00	-16.36	Horizontal
9748.00	22.93	38.27	14.25	31	.56	43.89	54.	00	-10.11	Horizontal
12185.00	*						54.	00		Horizontal
14622.00	*						54.	00		Horizontal
17059.00	*						54.	00		Horizontal

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(HT40)		Test	channel:	High	est	
Peak value:				<u> </u>		<u> </u>		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4904.00	43.12	31.88	8.68	32.13	51.55	74.00	-22.45	Vertical
7356.00	33.85	36.45	11.75	31.86	50.19	74.00	-23.81	Vertical
9808.00	36.23	38.43	14.29	31.68	57.27	74.00	-16.73	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4904.00	42.70	31.88	8.68	32.13	51.13	74.00	-22.87	Horizontal
7356.00	32.90	36.45	11.75	31.86	49.24	74.00	-24.76	Horizontal
9808.00	32.47	38.43	14.29	31.68	53.51	74.00	-20.49	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4904.00	34.18	31.88	8.68	32.13	42.61	54.00	-11.39	Vertical
7356.00	23.81	36.45	11.75	31.86	40.15	54.00	-13.85	Vertical
9808.00	24.77	38.43	14.29	31.68	45.81	54.00	-8.19	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4904.00	33.16	31.88	8.68	32.13	41.59	54.00	-12.41	Horizontal
7356.00	22.31	36.45	11.75	31.86	38.65	54.00	-15.35	Horizontal
9808.00	21.75	38.43	14.29	31.68	42.79	54.00	-11.21	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

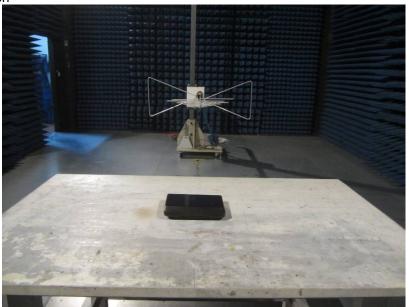
¹ Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

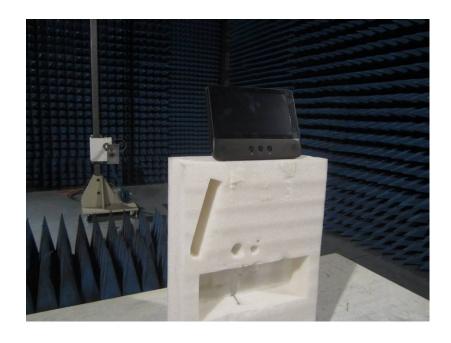
^{2 &}quot;*", means this data is the too weak instrument of signal is unable to test.



8 Test Setup Photo

Radiated Emission







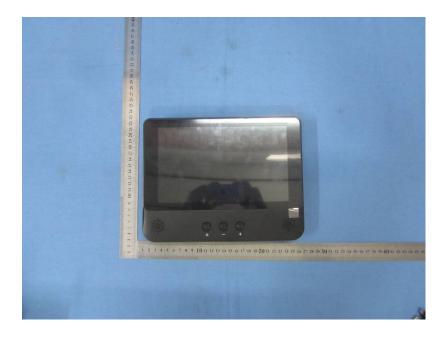
Conducted Emission



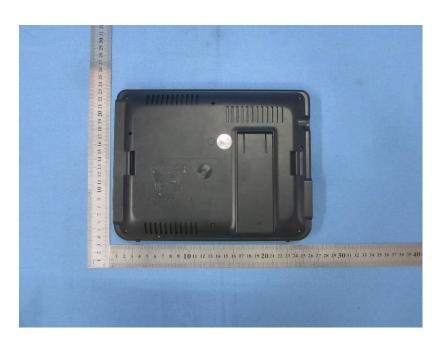


9 EUT Constructional Details























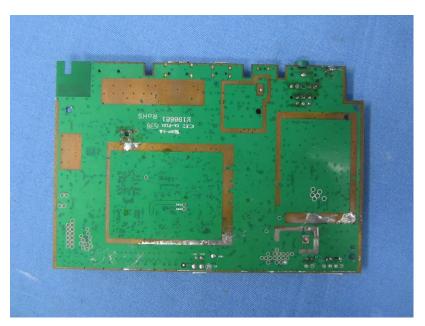




















Adapter 1:



Adapter 2:



-----end-----