

Global United Technology Services Co., Ltd.

Report No.: GTSE15080159801

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: MID

Model No.: MID1015-IB, TM101W545L

FCC ID: XMF-MID1015

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

Date of sample receipt: August 19, 2015

Date of Test: August 20-24, 2015

Date of report issued: August 25, 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.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of GTS or testing done by GTS in connection with, distribution or use of the product described in this report must be approved by GTS in writing.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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



2 Version

Version No.	Date	Description
00	August 25, 2015	Original

Tested By:	Edward.Pan	Date:	August 25, 2015
	Project Engineer		
Check By:	hank. yan Reviewer	Date:	August 25, 2015



3 Contents

			Page
1	cov	ER PAGE	1
2	VER	SION	2
3	CON	ITENTS	3
4	TES	T SUMMARY	4
	4.1	MEASUREMENT UNCERTAINTY	4
5	GEN	ERAL INFORMATION	
	5.1	CLIENT INFORMATION	
	5.2	GENERAL DESCRIPTION OF EUT	5
	5.3	TEST MODE	
	5.4	DESCRIPTION OF SUPPORT UNITS	
	5.5	TEST FACILITY	7
	5.6	TEST LOCATION	7
6	TES	T INSTRUMENTS LIST	8
7	TES	T RESULTS AND MEASUREMENT DATA	9
	7.1	ANTENNA REQUIREMENT	
	7.2	CONDUCTED EMISSIONS	10
	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 Conducted Emission Method	
	7.7.1		
8		T SETUP PHOTO	
O	IES	I 3ETUF FNUTU	52
۵	CUT	CONSTRUCTIONAL DETAILS	E A



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

Measurement Uncertainty

Test Item	Test Item Frequency Range		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 Emission	0.15MHz ~ 30MHz	± 3.45dB	(1)						
Note (1): The measurement unce	ertainty is for coverage factor of k	=2 and a level of confidence of	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:	MID	
Model No.:	MID1015-IB, TM101W545L	
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:	Integral antenna	
Antenna gain:	2.0dBi(declare by Applicant)	
Power supply:	Adapter:	
	Model No.: TEKA018-0502500UK	
	Input: AC 100-240V, 50/60Hz, 0.5A	
	Output: DC 5V, 2.5A	
	Or	
	DC 3.7V 2*3700mAh Li-ion Battery	



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:

Test channel	Frequency (MHz)		
rest 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	(dutycycle>98%)
-------------------	--	-----------------

Remark: During the test, 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	Dec. 4 2014	Dec. 3 2015		
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		

Con	Conducted 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 2013	Sep. 06 2015				
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 Integral antenna, the best case gain of the antenna is 2dBi





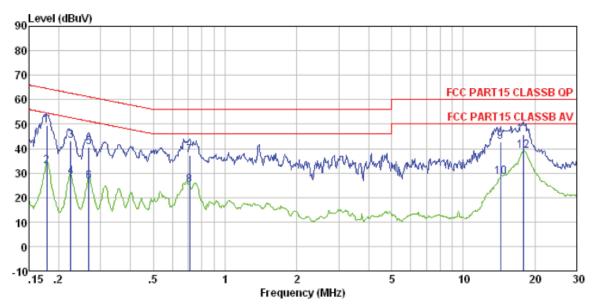
7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207						
Test Method:	ANSI C63.10:2013						
Test Frequency Range:	150KHz to 30MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9KHz, VBW=30KHz, Sv	weep time=auto					
Limit:		Limit (d	(BuV)				
	Frequency range (MHz)	Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30	60	50				
	* Decreases with the logarithm	n of the frequency.					
Test setup:	Reference Plane		_				
	AUX Filter AC power Equipment E.U.T EMI Receiver 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 are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and photographs). 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:



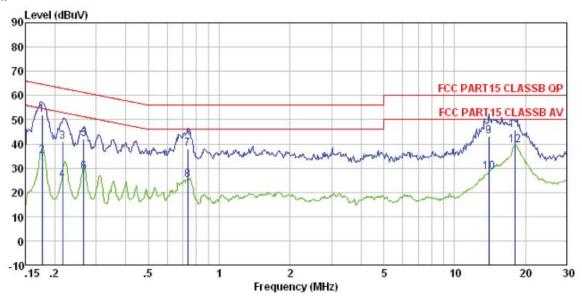
Condition : FCC PART15 CLASSB QP LISN-2013 LINE

Job No. : 1598RF Test mode : WiFi mode Test Engineer: Song

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	d₿	dBu₹	dBuV	dB	
1	0.179	48.99	0.14	0.13	49.26	64.55	-15.29	QP
2 3	0.179	32.50	0.14	0.13	32.77	54.55	-21.78	Average
	0.224	42.84	0.12	0.12	43.08	62.66	-19.58	QP
4 5	0.224	28.25	0.12	0.12	28.49	52.66	-24.17	Average
5	0.267	40.36	0.11	0.11	40.58	61.20	-20.62	QP
6	0.267	26.28	0.11	0.11	26.50	51.20	-24.70	Average
7	0.708	37.04	0.14	0.13	37.31	56.00	-18.69	QP
8	0.708	24.77	0.14	0.13	25.04	46.00	-20.96	Average
9	14.364	42.08	0.29	0.22	42.59	60.00	-17.41	QP
10	14.364	27.96	0.29	0.22	28.47	50.00	-21.53	Average
11	17.849	45.07	0.50	0.22	45.79	60.00	-14.21	QP
12	17.849	38.18	0.50	0.22	38.90	50.00	-11.10	Average



Neutral:



Condition : FCC PART15 CLASSB QP LISN-2013 NEUTRAL

Job No. : 1598RF Test mode : WiFi mode Test Engineer: Song

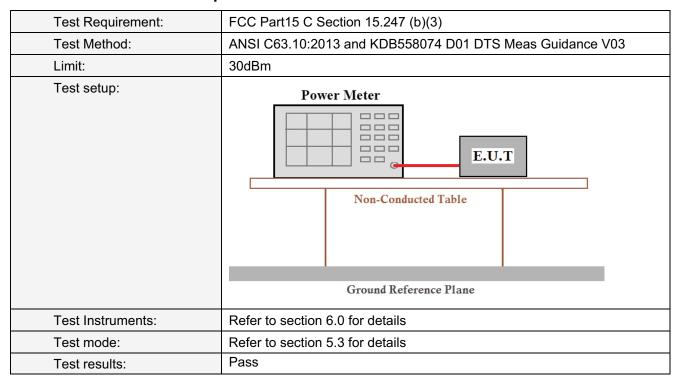
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
1	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.177	51.78	0.07	0.13	51.98	64.64	-12.66	QP
2	0.177	34.72	0.07	0.13	34.92	54.64	-19.72	Average
3	0.216	40.71	0.06	0.13	40.90	62.96	-22.06	QP
4	0.216	24.70	0.06	0.13	24.89	52.96	-28.07	Average
4 5 6	0.266	41.77	0.06	0.11	41.94	61.25	-19.31	QP
6	0.266	28.26	0.06	0.11	28.43	51.25	-22.82	Average
7	0.735	37.75	0.07	0.13	37.95	56.00	-18.05	QP
8	0.735	25.01	0.07	0.13	25. 21	46.00	-20.79	Average
9	13.989	42.74	0.33	0.22	43.29	60.00	-16.71	QP
10	13.989	27.94	0.33	0.22	28.49	50.00	-21.51	Average
11	18.039	44.99	0.41	0.22	45.62	60.00	-14.38	QP
12	18.039	38.64	0.41	0.22	39.27	50.00	-10.73	Average

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		
1631 011	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Liiiit(abiii)	Nesuit
Lowest	7.74	6.45	6.68	5.74		Pass
Middle	7.68	6.76	6.45	5.71	30.00	
Highest	7.94	6.50	6.14	5.55		



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			

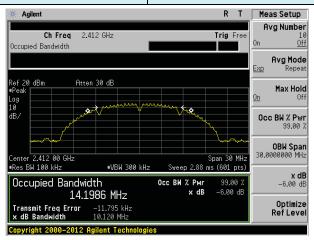
Measurement Data

Test CH		Channel Ban	Limit(KHz)	Result		
Test Off	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	LIIIII(KI IZ)	Result
Lowest	10.120	16.400	17.644	36.313		Pass
Middle	10.126	16.397	17.626	36.025	>500	
Highest	10.082	16.423	17.624	36.109		

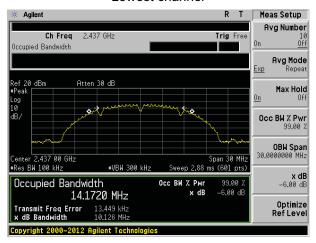
Test plot as follows:



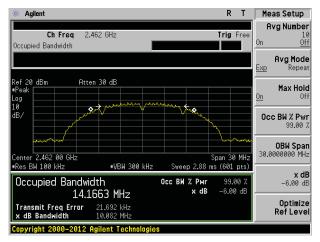
Test mode: 802.11b



Lowest channel



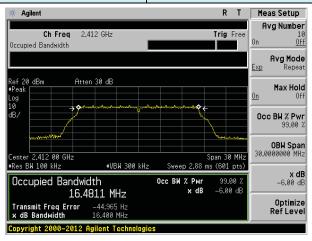
Middle channel



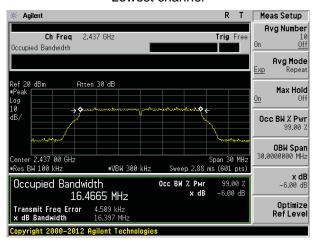
Highest channel



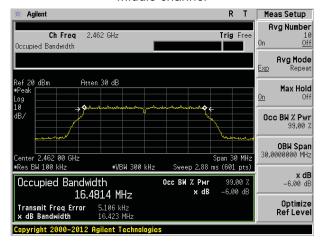
Test mode: 802.11g



Lowest channel



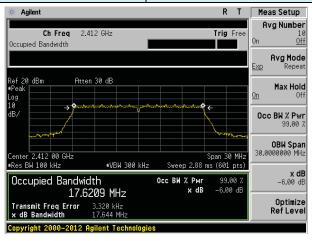
Middle channel



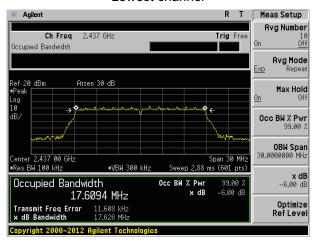
Highest channel



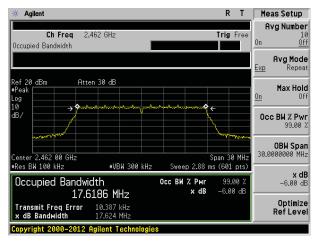
Test mode: 802.11n(HT20)



Lowest channel



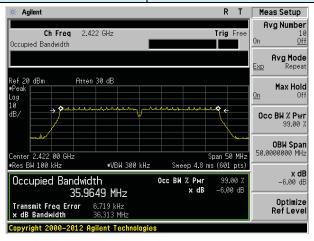
Middle channel



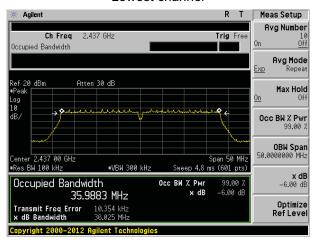
Highest channel



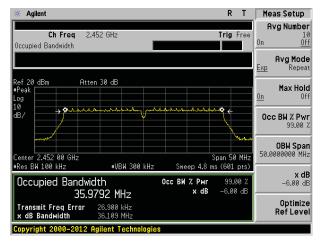
Test mode: 802.11n(HT40)



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			

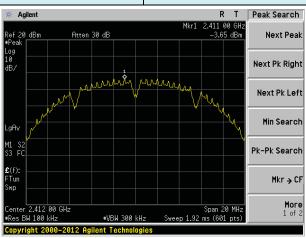
Measurement Data

Test CH		Power Spectra	Limit(dBm/3kHz)	Result			
Test Off	802.11b	802.11b 802.11g 802.11n(HT20) 802.11n(HT40				Result	
Lowest	-3.65	-7.56	-7.64	-11.86		Pass	
Middle	-3.82	-7.49	-7.62	-11.81	8.00		
Highest	-3.59	-7.04	-7.77	-11.15			

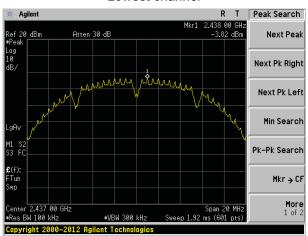


Test plot as follows:

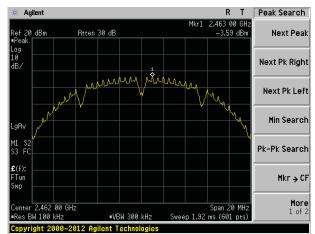
Test mode: 802.11b



Lowest channel



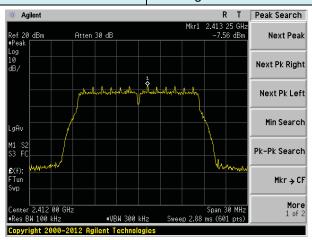
Middle channel



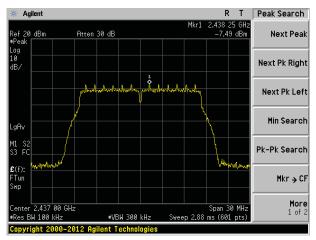
Highest channel



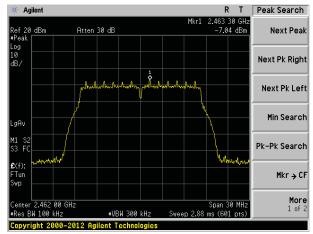
Test mode: 802.11g



Lowest channel



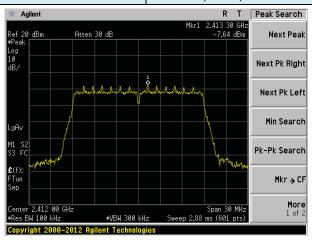
Middle channel



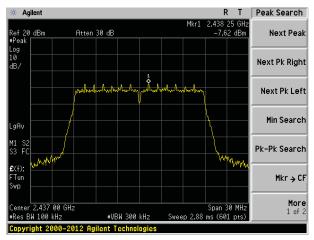
Highest channel



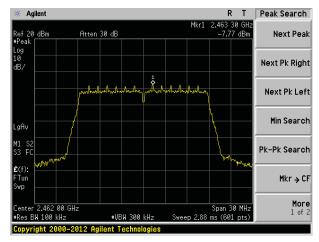
Test mode: 802.11n(HT20)



Lowest channel



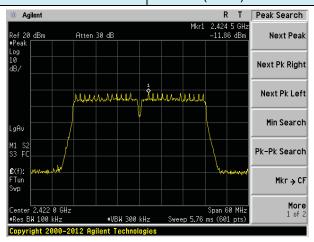
Middle channel



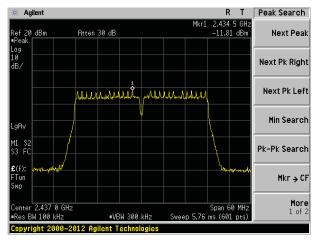
Highest channel



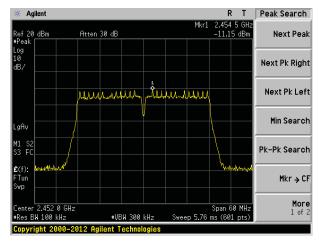
Test mode: 802.11n(HT40)



Lowest channel



Middle channel



Highest channel



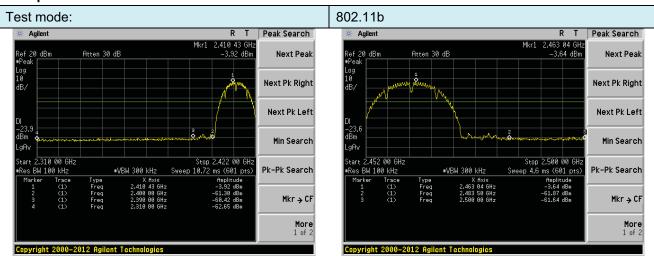
7.6 Band edges

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				

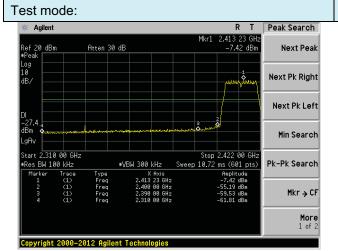


Test plot as follows:

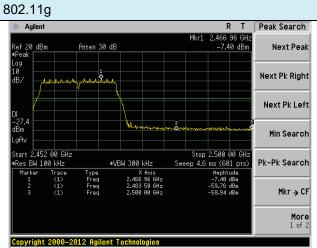


Lowest channel

Highest channel

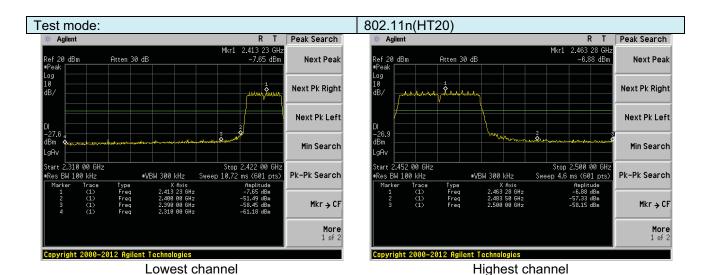


Lowest channel

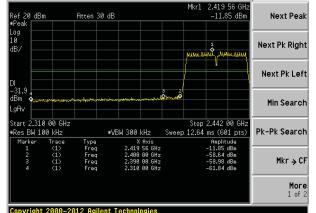


Highest channel

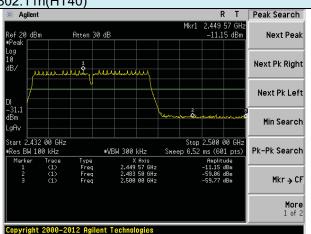








Lowest channel



Highest channel

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



7.6.2 Radiated Emission Method

7.6.2 Radiated Emission W	_							
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 D							
			DDW	\/D\\/	Malua			
Receiver setup:	Frequency	Detector	RBW	VBW	Value			
	Above 1GHz	Peak	1MHz	3MHz	Peak			
12.09		RMS .	1MHz	3MHz	Average			
Limit:	Freque	ency I	_imit (dBuV/)	Value			
	Above 1	GHz —	54.0		Average			
Test setup:			74.0	Ü	Peak			
	EUT 3m <	Horn Antenna Spectrum Analyzer Turn Table						
Test Procedure:	1.5m V							
Test Instruments:	worst case mode is recorded in the report. Refer to section 6.0 for details							
Test mode:	Refer to section	5.3 for details						
Test results:	Pass							

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



Lowest

Measurement data:

Test mode:

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 channel:

802.11b

Test Houe.		002.1	וט	1 6	st Gharinei.		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	51.90	27.59	5.38	34.01	50.86	74.00	-23.14	Horizontal
2400.00	61.00	27.58	5.39	34.01	59.96	74.00	-14.04	Horizontal
2390.00	53.60	27.59	5.38	34.01	52.56	74.00	-21.44	Vertical
2400.00	62.87	27.58	5.39	34.01	61.83	74.00	-12.17	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	38.59	27.59	5.38	34.01	37.55	54.00	-16.45	Horizontal
2400.00	46.91	27.58	5.39	34.01	45.87	54.00	-8.13	Horizontal
2390.00	40.43	27.59	5.38	34.01	39.39	54.00	-14.61	Vertical
2400.00	48.06	27.58	5.39	34.01	47.02	54.00	-6.98	Vertical
Test mode:		802.1	1b	Tes	st channel:	1	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)	I I imit	Polarization
2483.50	52.67	27.53	5.47	33.92	51.75	74.00	-22.25	Horizontal
2500.00	48.42	27.55	5.49	29.93	51.53	74.00	-22.47	Horizontal
2483.50	54.98	27.53	5.47	33.92	54.06	74.00	-19.94	Vertical
2500.00	50.97	27.55	5.49	29.93	54.08	74.00	-19.92	Vertical
Average va	lue:							

2500.00 Remark:

Frequency

(MHz)

2483.50

2500.00

2483.50

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

Cable

Loss

(dB)

5.47

5.49

5.47

5.49

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

Preamp

Factor

(dB)

33.92

29.93

33.92

29.93

Level

(dBuV/m)

38.08

38.16

40.05

40.05

Read

Level

(dBuV)

39.00

35.05

40.97

36.94

Antenna

Factor

(dB/m)

27.53

27.55

27.53

27.55

Page 28 of 66

Project No.: GTSE150801598RF

Over

Limit

(dB)

-15.92

-15.84

-13.95

-13.95

Polarization

Horizontal

Horizontal

Vertical

Vertical

Limit Line

(dBuV/m)

54.00

54.00

54.00

54.00



802.11g

Test mode:

Report No.: GTSE15080159801

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	50.48	27.59	5.38	34.01	49.44	74.00	-24.56	Horizontal
2400.00	59.10	27.58	5.39	34.01	58.06	74.00	-15.94	Horizontal
2390.00	52.08	27.59	5.38	34.01	51.04	74.00	-22.96	Vertical
2400.00	60.58	27.58	5.39	34.01	59.54	74.00	-14.46	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	37.58	27.59	5.38	34.01	36.54	54.00	-17.46	Horizontal
2400.00	45.75	27.58	5.39	34.01	44.71	54.00	-9.29	Horizontal
2390.00	39.31	27.59	5.38	34.01	38.27	54.00	-15.73	Vertical
2400.00	46.78	27.58	5.39	34.01	45.74	54.00	-8.26	Vertical
Test mode:		802.1	1g	Test channel:		Highest		
Peak value:								
i can value.		1		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
Frequency	Read Level	Factor	Loss	Factor			Limit	Polarization Horizontal
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Loss (dB)	Factor (dB)	(dBuV/m)	(dBuV/m)	Limit (dB)	
Frequency (MHz) 2483.50 2500.00 2483.50	Read Level (dBuV) 50.64	Factor (dB/m) 27.53	Loss (dB) 5.47	Factor (dB) 33.92	(dBuV/m) 49.72 49.95 51.74	(dBuV/m) 74.00	Limit (dB) -24.28	Horizontal
Frequency (MHz) 2483.50 2500.00	Read Level (dBuV) 50.64 46.84	Factor (dB/m) 27.53 27.55	Loss (dB) 5.47 5.49	Factor (dB) 33.92 29.93	(dBuV/m) 49.72 49.95	74.00 74.00	Limit (dB) -24.28 -24.05	Horizontal Horizontal
Frequency (MHz) 2483.50 2500.00 2483.50	Read Level (dBuV) 50.64 46.84 52.66 49.13	Factor (dB/m) 27.53 27.55 27.53 27.55	Loss (dB) 5.47 5.49 5.47	Factor (dB) 33.92 29.93 33.92 29.93	(dBuV/m) 49.72 49.95 51.74	74.00 74.00 74.00 74.00	Limit (dB) -24.28 -24.05 -22.26	Horizontal Horizontal Vertical
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00	Read Level (dBuV) 50.64 46.84 52.66 49.13	Factor (dB/m) 27.53 27.55 27.53	Loss (dB) 5.47 5.49 5.47	Factor (dB) 33.92 29.93 33.92	(dBuV/m) 49.72 49.95 51.74	74.00 74.00 74.00 74.00	Limit (dB) -24.28 -24.05 -22.26	Horizontal Horizontal Vertical
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average va Frequency	Read Level (dBuV) 50.64 46.84 52.66 49.13 Iue:	Factor (dB/m) 27.53 27.55 27.53 27.55 Antenna Factor	Loss (dB) 5.47 5.49 5.47 5.49 Cable Loss	Factor (dB) 33.92 29.93 33.92 29.93 Preamp Factor	(dBuV/m) 49.72 49.95 51.74 52.24	74.00 74.00 74.00 74.00 74.00	Limit (dB) -24.28 -24.05 -22.26 -21.76 Over Limit	Horizontal Horizontal Vertical Vertical
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average va Frequency (MHz)	Read Level (dBuV) 50.64 46.84 52.66 49.13 Iue: Read Level (dBuV)	Factor (dB/m) 27.53 27.55 27.55 27.55 Antenna Factor (dB/m)	Loss (dB) 5.47 5.49 5.47 5.49 Cable Loss (dB)	Factor (dB) 33.92 29.93 33.92 29.93 Preamp Factor (dB)	(dBuV/m) 49.72 49.95 51.74 52.24 Level (dBuV/m)	74.00 74.00 74.00 74.00 74.00 Limit Line (dBuV/m)	Limit (dB) -24.28 -24.05 -22.26 -21.76 Over Limit (dB)	Horizontal Horizontal Vertical Vertical Polarization
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average va Frequency (MHz) 2483.50	Read Level (dBuV) 50.64 46.84 52.66 49.13 Iue: Read Level (dBuV) 37.77	Factor (dB/m) 27.53 27.55 27.55 27.55 Antenna Factor (dB/m) 27.53	Loss (dB) 5.47 5.49 5.47 5.49 Cable Loss (dB) 5.47	Factor (dB) 33.92 29.93 33.92 29.93 Preamp Factor (dB) 33.92	(dBuV/m) 49.72 49.95 51.74 52.24 Level (dBuV/m) 36.85	(dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m) 54.00	Limit (dB) -24.28 -24.05 -22.26 -21.76 Over Limit (dB) -17.15	Horizontal Horizontal Vertical Vertical Polarization Horizontal

Test channel:

Remark:

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.



Test mode:		802.1	1n(HT20)	Te	est channel:	L	_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	50.81	27.59	5.38	34.01	49.77	74.00	-24.23	Horizontal
2400.00	59.54	27.58	5.39	34.01	58.50	74.00	-15.50	Horizontal
2390.00	52.44	27.59	5.38	34.01	51.40	74.00	-22.60	Vertical
2400.00	61.12	27.58	5.39	34.01	60.08	74.00	-13.92	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	37.82	27.59	5.38	34.01	36.78	54.00	-17.22	Horizontal
2400.00	46.02	27.58	5.39	34.01	44.98	54.00	-9.02	Horizontal
2390.00	39.57	27.59	5.38	34.01	38.53	54.00	-15.47	Vertical
2400.00	47.08	27.58	5.39	34.01	46.04	54.00	-7.96	Vertical
							•	
Test mode:		802.1	1n(HT20)	Te	est channel:	ŀ	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	51.11	27.53	5.47	33.92	50.19	74.00	-23.81	Horizontal
2500.00	47.21	27.55	5.49	29.93	50.32	74.00	-23.68	Horizontal
2483.50	53.20	27.53	5.47	33.92	52.28	74.00	-21.72	Vertical
2500.00	49.56	27.55	5.49	29.93	52.67	74.00	-21.33	Vertical
Average va	lue:	<u> </u>			1	ı	1	<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
2483.50	38.05	27.53	5.47	33.92	37.13	54.00	-16.87	Horizontal
2500.00	34.31	27.55	5.49	29.93	37.42	54.00	-16.58	Horizontal
2483.50	39.93	27.53	5.47	33.92	39.01	54.00	-14.99	Vertical
2500.00	36.16	27.55	5.49	29.93	39.27	54.00	-14.73	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 30 of 66



Test mode:		802.1	1n(HT40)	T	est channel:	L	₋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	49.79	27.59	5.38	34.01	48.75	74.00	-25.25	Horizontal
2400.00	58.18	27.58	5.39	34.01	57.14	74.00	-16.86	Horizontal
2390.00	51.34	27.59	5.38	34.01	50.30	74.00	-23.70	Vertical
2400.00	59.47	27.58	5.39	34.01	58.43	74.00	-15.57	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	37.09	27.59	5.38	34.01	36.05	54.00	-17.95	Horizontal
2400.00	45.18	27.58	5.39	34.01	44.14	54.00	-9.86	Horizontal
2390.00	38.76	27.59	5.38	34.01	37.72	54.00	-16.28	Vertical
2400.00	46.16	27.58	5.39	34.01	45.12	54.00	-8.88	Vertical
					•			
Test mode:		802.1	1n(HT40)	T	est channel:	ŀ	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	49.65	27.53	5.47	33.92	48.73	74.00	-25.27	Horizontal
2500.00	46.07	27.55	5.49	29.93	49.18	74.00	-24.82	Horizontal
2483.50	51.53	27.53	5.47	33.92	50.61	74.00	-23.39	Vertical
2500.00	48.23	27.55	5.49	29.93	51.34	74.00	-22.66	Vertical
Average va						Г	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	37.17	27.53	5.47	33.92	36.25	54.00	-17.75	Horizontal
2500.00	33.63	27.55	5.49	29.93	36.74	54.00	-17.26	Horizontal
2483.50	38.95	27.53	5.47	33.92	38.03	54.00	-15.97	Vertical
2500.00	35.43	27.55	5.49	29.93	38.54	54.00	-15.46	Vertical

Remark:

Page 31 of 66

^{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.



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				



14.325 GH -51.59 dBm

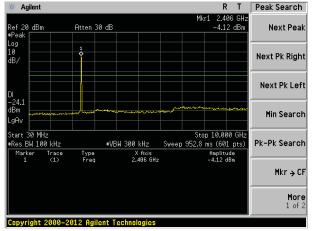
R T Peak Search

Next Peak

Test plot as follows:

Test mode: 802.11b

Lowest channel



30MHz~10GHz

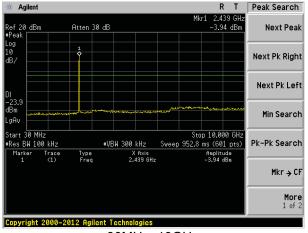
Atten 30 dB

Copyright 2000-2012 Agilent Technologies

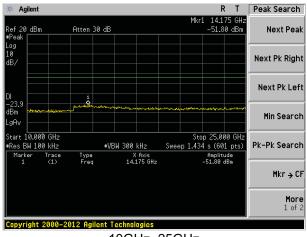
ef 20 dBm

10GHz~25GHz

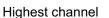
Middle channel

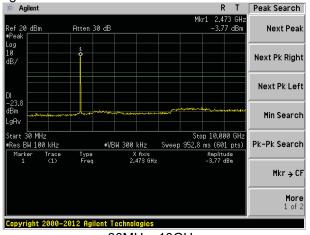


30MHz~10GHz

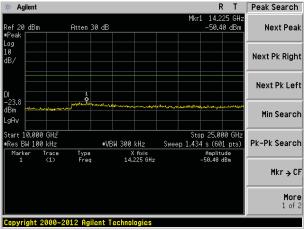


10GHz~25GHz





30MHz~10GHz



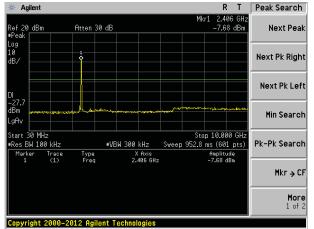
10GHz~25GHz



Test mode:

802.11g

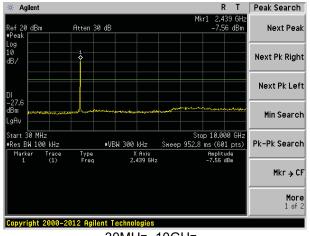
Lowest channel



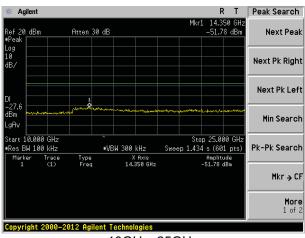
30MHz~10GHz

10GHz~25GHz

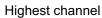
Middle channel

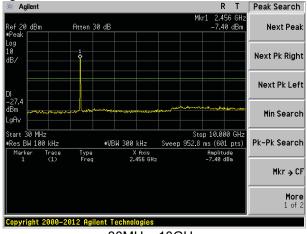


30MHz~10GHz

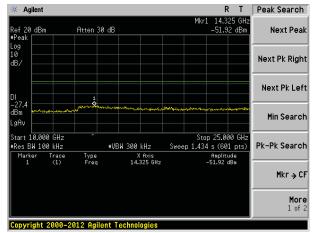


10GHz~25GHz





30MHz~10GHz



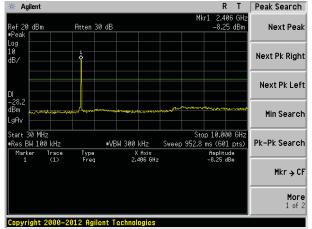
10GHz~25GHz



Test mode:

802.11n(HT20)

Lowest channel



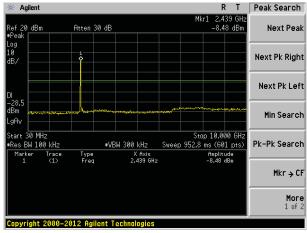
30MHz~10GHz

R T Peak Search Next Peak Atten 30 dB Next Pk Right Next Pk Left Min Search Stop 25.000 GH: Sweep 1.434 s (601 pts) Start 10.000 GHz #VBW 300 kHz Pk-Pk Search Res BW 100 kHz Type Freq Amplitude -51.34 dBm X Hxis 14.450 GHz Mkr → CF More 1 of 2

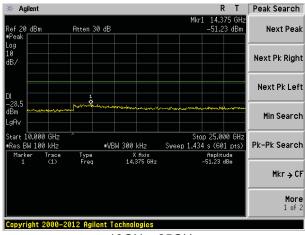
10GHz~25GHz

Copyright 2000-2012 Agilent Technologies

Middle channel

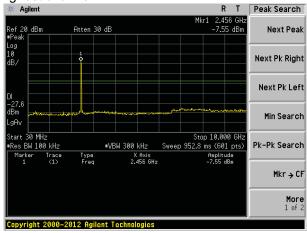


30MHz~10GHz

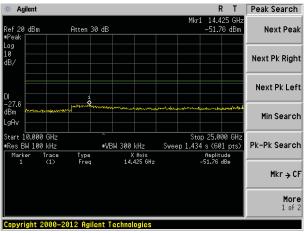


10GHz~25GHz

Highest channel



30MHz~10GHz



10GHz~25GHz

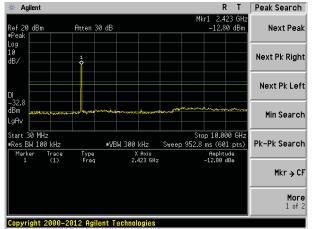
Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960 Page 35 of 66



Test mode:

802.11n(HT40)

Lowest channel

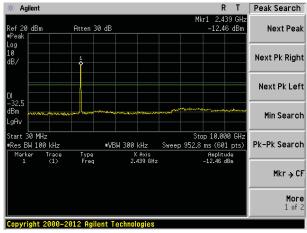


30MHz~10GHz

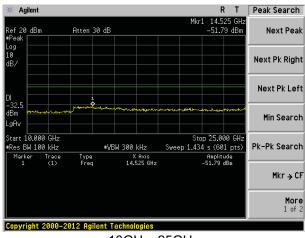
R T Peak Search Atten 30 dB Next Peak Next Pk Right Next Pk Left Min Search _gAv Stop 25.000 GH: Sweep 1.434 s (601 pts) Start 10.000 GHz Pk-Pk Search Res BW 100 kHz #VBW 300 kHz Type Freq X fixis 14.125 GHz Mkr → CF More 1 of 2 Copyright 2000-2012 Agilent Technologies

10GHz~25GHz

Middle channel

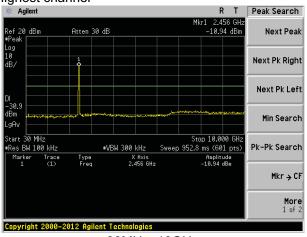


30MHz~10GHz

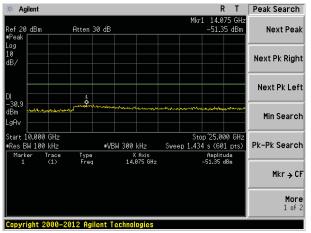


10GHz~25GHz

Highest channel



30MHz~10GHz



10GHz~25GHz



7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Se	ection 15.209									
Test Method:	ANSI C63.10:2013										
Test Frequency Range:	30MHz to 25GHz										
Test site:	Measurement Dis	stance: 3m									
Receiver setup:	Frequency Detector RBW VBW Value										
	30MHz-1GHz Quasi-peak 120KHz 300KHz Quasi-peak										
	Above 1GHz Peak 120KHz 300KHz Quasi-peak 120KHz 300KHz Quasi-peak Peak Peak 1MHz 3MHz Peak										
	Above IGHZ	RMS	1MHz	3MHz	Average						
Limit:	Frequen	су	Limit (dBuV/	/m @3m)	Value						
	30MHz-88	MHz	40.0	0	Quasi-peak						
	88MHz-216	6MHz	43.5	0	Quasi-peak						
	216MHz-96	0MHz	46.0	0	Quasi-peak						
	960MHz-1	GHz	54.0	0	Quasi-peak						
	Above 10	` ⊔-	54.0	0	Average						
	Above 10	JI 12	74.0	0	Peak						
Test setup:	Below 1GHz Tum Table Osm Table Osm A A A A A A A A A A A A A A A A A A A	4m		Antenna Tower Search Antenna RF Test Receiver							



	Antenna Tower Horn Antenna Spectrum Analyzer Turn Table Amplifier
Test Procedure:	1. The EUT was placed on the top of a rotating table 1.5m(>1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
	The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
	 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

	_	1	1	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
40.99	51.19	15.57	0.67	30.04	37.39	40.00	-2.61	Vertical
50.59	42.20	15.22	0.78	30.00	28.20	40.00	-11.80	Vertical
84.70	44.58	12.16	1.07	29.77	28.04	40.00	-11.96	Vertical
138.39	48.70	10.30	1.50	29.46	31.04	43.50	-12.46	Vertical
175.65	45.30	11.36	1.72	29.30	29.08	43.50	-14.42	Vertical
269.43	35.67	14.34	2.22	29.79	22.44	46.00	-23.56	Vertical
44.43	36.17	15.55	0.71	30.02	22.41	40.00	-17.59	Horizontal
73.88	47.31	10.00	0.97	29.83	28.45	40.00	-11.55	Horizontal
120.28	37.60	12.38	1.36	29.57	21.77	43.50	-21.73	Horizontal
204.24	34.63	12.70	1.86	29.25	19.94	43.50	-23.56	Horizontal
330.20	26.09	15.79	2.52	29.83	14.57	46.00	-31.43	Horizontal
649.66	24.29	20.64	3.91	29.25	19.59	46.00	-26.41	Horizontal

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



■ 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	41.40	31.79	8.62	32.10	49.71	74.00	-24.29	Vertical
7236.00	34.92	36.19	11.68	31.97	50.82	74.00	-23.18	Vertical
9648.00	33.21	38.07	14.16	31.56	53.88	74.00	-20.12	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	39.89	31.79	8.62	32.10	48.20	74.00	-25.80	Horizontal
7236.00	34.58	36.19	11.68	31.97	50.48	74.00	-23.52	Horizontal
9648.00	32.75	38.07	14.16	31.56	53.42	74.00	-20.58	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal
Average val							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
4824.00	30.39	31.79	8.62	32.10	38.70	54.00	-15.30	Vertical
7236.00	23.76	36.19	11.68	31.97	39.66	54.00	-14.34	Vertical
9648.00	23.54	38.07	14.16	31.56	44.21	54.00	-9.79	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	29.37	31.79	8.62	32.10	37.68	54.00	-16.32	Horizontal
7236.00	23.14	36.19	11.68	31.97	39.04	54.00	-14.96	Horizontal
9648.00	22.48	38.07	14.16	31.56	43.15	54.00	-10.85	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal

Remark:

16884.00

- 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.

Project No.: GTSE150801598RF

Horizontal

54.00



Test mode:		802.11b			Test	channel:	М	iddle	
Peak value:									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Prea Fac (dE	tor	Level (dBuV/m)	Limit Lin (dBuV/m	1 Limit	polarization
4874.00	40.26	31.85	8.66	32.	12	48.65	74.00	-25.35	Vertical
7311.00	34.87	36.37	11.71	31.9	91	51.04	74.00	-22.96	Vertical
9748.00	34.14	38.27	14.25	31.	56	55.10	74.00	-18.90	Vertical
12185.00	*						74.00		Vertical
14622.00	*						74.00		Vertical
17059.00	*						74.00		Vertical
4874.00	40.60	31.85	8.66	32.	12	48.99	74.00	-25.01	Horizontal
7311.00	33.44	36.37	11.71	31.9	91	49.61	74.00	-24.39	Horizontal
9748.00	34.00	38.27	14.25	31.	56	54.96	74.00	-19.04	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)	Prea Fac (d£	tor	Level (dBuV/m)	Limit Lin (dBuV/m	I I imit	polarization
4874.00	31.04	31.85	8.66	32.	12	39.43	54.00	-14.57	Vertical
7311.00	23.16	36.37	11.71	31.9	91	39.33	54.00	-14.67	Vertical
9748.00	23.38	38.27	14.25	31.	56	44.34	54.00	-9.66	Vertical
12185.00	*						54.00		Vertical
14622.00	*						54.00		Vertical
17059.00	*						54.00		Vertical
4874.00	30.66	31.85	8.66	32.	12	39.05	54.00	-14.95	Horizontal
7311.00	22.51	36.37	11.71	31.9	91	38.68	54.00	-15.32	Horizontal
9748.00	23.70	38.27	14.25	31.	56	44.66	54.00	-9.34	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:		802.11b			Test o	channel:		Highe	est	
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Prea Fact (dE	tor	Level (dBuV/m)	Limit (dBu\		Over Limit (dB)	polarization
4924.00	46.45	31.90	8.70	32.1	15	54.90	74.	00	-19.10	Vertical
7386.00	35.96	36.49	11.76	31.8	33	52.38	74.	00	-21.62	Vertical
9848.00	37.74	38.62	14.31	31.7	77	58.90	74.	00	-15.10	Vertical
12310.00	*						74.	00		Vertical
14772.00	*						74.	00		Vertical
17234.00	*						74.	00		Vertical
4924.00	45.51	31.90	8.70	32.1	15	53.96	74.	00	-20.04	Horizontal
7386.00	34.73	36.49	11.76	31.8	33	51.15	74.	00	-22.85	Horizontal
9848.00	33.85	38.62	14.31	31.7	77	55.01	74.	00	-18.99	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)	Prea Fact (dE	tor	Level (dBuV/m)	Limit (dBu\		Over Limit (dB)	polarization
4924.00	37.24	31.90	8.70	32.1	15	45.69	54.	00	-8.31	Vertical
7386.00	25.84	36.49	11.76	31.8	33	42.26	54.	00	-11.74	Vertical
9848.00	26.21	38.62	14.31	31.7	77	47.37	54.	00	-6.63	Vertical
12310.00	*						54.	00		Vertical
14772.00	*						54.	00		Vertical
17234.00	*						54.	00		Vertical
4924.00	35.79	31.90	8.70	32.1	15	44.24	54.	00	-9.76	Horizontal
7386.00	24.10	36.49	11.76	31.8	33	40.52	54.	00	-13.48	Horizontal
9848.00	23.09	38.62	14.31	31.7	77	44.25	54.	00	-9.75	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. " \ast ", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11g		To	est channel:	lowe	st	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)	· I Level	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	39.78	31.79	8.62	32.10	48.09	74.00	-25.91	Vertical
7236.00	33.89	36.19	11.68	31.97	49.79	74.00	-24.21	Vertical
9648.00	32.48	38.07	14.16	31.56	53.15	74.00	-20.85	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.53	31.79	8.62	32.10	46.84	74.00	-27.16	Horizontal
7236.00	33.68	36.19	11.68	31.97	49.58	74.00	-24.42	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)	Pream Facto (dB)	· I Level	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	28.90	31.79	8.62	32.10	37.21	54.00	-16.79	Vertical
7236.00	22.77	36.19	11.68	31.97	38.67	54.00	-15.33	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	28.09	31.79	8.62	32.10	36.40	54.00	-17.60	Horizontal
7236.00	22.27	36.19	11.68	31.97	38.17	54.00	-15.83	Horizontal
9648.00	21.83	38.07	14.16	31.56	42.50	54.00	-11.50	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		Te	st channel:	Midd	le	
Peak value:								
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
4874.00	38.92	31.85	8.66	32.12	47.31	74.00	-26.69	Vertical
7311.00	34.02	36.37	11.71	31.91	50.19	74.00	-23.81	Vertical
9748.00	33.54	38.27	14.25	31.56	54.50	74.00	-19.50	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.47	31.85	8.66	32.12	47.86	74.00	-26.14	Horizontal
7311.00	32.69	36.37	11.71	31.91	48.86	74.00	-25.14	Horizontal
9748.00	33.44	38.27	14.25	31.56	54.40	74.00	-19.60	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)	i evei	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.81	31.85	8.66	32.12	38.20	54.00	-15.80	Vertical
7311.00	22.34	36.37	11.71	31.91	38.51	54.00	-15.49	Vertical
9748.00	22.80	38.27	14.25	31.56	43.76	54.00	-10.24	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.60	31.85	8.66	32.12	37.99	54.00	-16.01	Horizontal
7311.00	21.79	36.37	11.71	31.91	37.96	54.00	-16.04	Horizontal
9748.00	23.16	38.27	14.25	31.56	44.12	54.00	-9.88	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:		802.11g		Test	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	44.14	31.90	8.70	32.15	52.59	74.00	-21.41	Vertical
7386.00	34.50	36.49	11.76	31.83	50.92	74.00	-23.08	Vertical
9848.00	36.70	38.62	14.31	31.77	57.86	74.00	-16.14	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	43.56	31.90	8.70	32.15	52.01	74.00	-21.99	Horizontal
7386.00	33.46	36.49	11.76	31.83	49.88	74.00	-24.12	Horizontal
9848.00	32.89	38.62	14.31	31.77	54.05	74.00	-19.95	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
4924.00	35.12	31.90	8.70	32.15	43.57	54.00	-10.43	Vertical
7386.00	24.43	36.49	11.76	31.83	40.85	54.00	-13.15	Vertical
9848.00	25.21	38.62	14.31	31.77	46.37	54.00	-7.63	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	33.97	31.90	8.70	32.15	42.42	54.00	-11.58	Horizontal
7386.00	22.86	36.49	11.76	31.83	39.28	54.00	-14.72	Horizontal
9848.00	22.16	38.62	14.31	31.77	43.32	54.00	-10.68	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. "*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	IT20)	Tes	t 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	40.69	31.79	8.62	32.10	49.00	74.00	-25.00	Vertical
7236.00	34.47	36.19	11.68	31.97	50.37	74.00	-23.63	Vertical
9648.00	32.89	38.07	14.16	31.56	53.56	74.00	-20.44	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	39.29	31.79	8.62	32.10	47.60	74.00	-26.40	Horizontal
7236.00	34.18	36.19	11.68	31.97	50.08	74.00	-23.92	Horizontal
9648.00	32.46	38.07	14.16	31.56	53.13	74.00	-20.87	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	29.74	31.79	8.62	32.10	38.05	54.00	-15.95	Vertical
7236.00	23.33	36.19	11.68	31.97	39.23	54.00	-14.77	Vertical
9648.00	23.23	38.07	14.16	31.56	43.90	54.00	-10.10	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	28.81	31.79	8.62	32.10	37.12	54.00	-16.88	Horizontal
7236.00	22.76	36.19	11.68	31.97	38.66	54.00	-15.34	Horizontal
9648.00	22.20	38.07	14.16	31.56	42.87	54.00	-11.13	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	T20)	Tes	t 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	39.68	31.85	8.66	32.12	48.07	74.00	-25.93	Vertical
7311.00	34.50	36.37	11.71	31.91	50.67	74.00	-23.33	Vertical
9748.00	33.88	38.27	14.25	31.56	54.84	74.00	-19.16	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	40.10	31.85	8.66	32.12	48.49	74.00	-25.51	Horizontal
7311.00	33.11	36.37	11.71	31.91	49.28	74.00	-24.72	Horizontal
9748.00	33.76	38.27	14.25	31.56	54.72	74.00	-19.28	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)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	30.50	31.85	8.66	32.12	38.89	54.00	-15.11	Vertical
7311.00	22.80	36.37	11.71	31.91	38.97	54.00	-15.03	Vertical
9748.00	23.13	38.27	14.25	31.56	44.09	54.00	-9.91	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	30.20	31.85	8.66	32.12	38.59	54.00	-15.41	Horizontal
7311.00	22.19	36.37	11.71	31.91	38.36	54.00	-15.64	Horizontal
9748.00	23.47	38.27	14.25	31.56	44.43	54.00	-9.57	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(H	IT20)		Test o	channel:	High	est	
Peak value:									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Prear Fact (dB	or	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	45.44	31.90	8.70	32.1	5	53.89	74.00	-20.11	Vertical
7386.00	35.32	36.49	11.76	31.8	3	51.74	74.00	-22.26	Vertical
9848.00	37.28	38.62	14.31	31.7	7	58.44	74.00	-15.56	Vertical
12310.00	*						74.00		Vertical
14772.00	*						74.00		Vertical
17234.00	*						74.00		Vertical
4924.00	44.66	31.90	8.70	32.1	5	53.11	74.00	-20.89	Horizontal
7386.00	34.18	36.49	11.76	31.8	3	50.60	74.00	-23.40	Horizontal
9848.00	33.43	38.62	14.31	31.7	7	54.59	74.00	-19.41	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)	Prear Fact (dB	or	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	36.31	31.90	8.70	32.1	5	44.76	54.00	-9.24	Vertical
7386.00	25.22	36.49	11.76	31.8	3	41.64	54.00	-12.36	Vertical
9848.00	25.77	38.62	14.31	31.7	7	46.93	54.00	-7.07	Vertical
12310.00	*						54.00		Vertical
14772.00	*						54.00		Vertical
17234.00	*						54.00		Vertical
4924.00	34.99	31.90	8.70	32.1	5	43.44	54.00	-10.56	Horizontal
7386.00	23.56	36.49	11.76	31.8	3	39.98	54.00	-14.02	Horizontal
9848.00	22.68	38.62	14.31	31.7	7	43.84	54.00	-10.16	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:			Lowe	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
4844.00	38.74	31.81	8.63	32.11		47.07	74.	00	-26.93	Vertical
7266.00	33.23	36.28	11.69	31	.94	49.26	74.	00	-24.74	Vertical
9688.00	32.01	38.13	14.21	31.52		52.83	74.	00	-21.17	Vertical
12060.00	*						74.	00		Vertical
14472.00	*						74.	00		Vertical
16884.00	*						74.	00		Vertical
4844.00	37.65	31.81	8.63	32	.11	45.98	74.	00	-28.02	Horizontal
7266.00	33.11	36.28	11.69	31	.94	49.14	74.	00	-24.86	Horizontal
9688.00	31.64	38.13	14.21	31	.52	52.46	74.	00	-21.54	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	27.94	31.81	8.63	32.11	36.27	54.00	-17.73	Vertical
7266.00	22.14	36.28	11.69	31.94	38.17	54.00	-15.83	Vertical
9688.00	22.38	38.13	14.21	31.52	43.20	54.00	-10.80	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4844.00	27.27	31.81	8.63	32.11	35.60	54.00	-18.40	Horizontal
7266.00	21.71	36.28	11.69	31.94	37.74	54.00	-16.26	Horizontal
9688.00	21.41	38.13	14.21	31.52	42.23	54.00	-11.77	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	802.11n(HT40) Test channel		st 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	38.06	31.85	8.66	32.12	46.45	74.00	-27.55	Vertical
7311.00	33.48	36.37	11.71	31.91	49.65	74.00	-24.35	Vertical
9748.00	33.15	38.27	14.25	31.56	54.11	74.00	-19.89	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	38.74	31.85	8.66	32.12	47.13	74.00	-26.87	Horizontal
7311.00	32.22	36.37	11.71	31.91	48.39	74.00	-25.61	Horizontal
9748.00	33.08	38.27	14.25	31.56	54.04	74.00	-19.96	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)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.02	31.85	8.66	32.12	37.41	54.00	-16.59	Vertical
7311.00	21.82	36.37	11.71	31.91	37.99	54.00	-16.01	Vertical
9748.00	22.43	38.27	14.25	31.56	43.39	54.00	-10.61	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	28.92	31.85	8.66	32.12	37.31	54.00	-16.69	Horizontal
7311.00	21.33	36.37	11.71	31.91	37.50	54.00	-16.50	Horizontal
9748.00	22.82	38.27	14.25	31.56	43.78	54.00	-10.22	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(HT40)		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
4904.00	42.66	31.88	8.68	32.13	51.09	51.09 74.00		Vertical
7356.00	33.56	36.45	11.75	31.86	49.90	74.00	-24.10	Vertical
9808.00	36.03	38.43	14.29	31.68 57.07		74.00	-16.93	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4904.00	42.31	31.88	8.68	32.13	50.74	74.00	-23.26	Horizontal
7356.00	32.64	36.45	11.75	31.86	48.98	74.00	-25.02	Horizontal
9808.00	32.27	38.43	14.29	31.68	53.31	74.00	-20.69	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	33.75	31.88	8.68	32.13	42.18	54.00	-11.82	Vertical
7356.00	23.53	36.45	11.75	31.86	39.87	54.00	-14.13	Vertical
9808.00	24.57	38.43	14.29	31.68	45.61	54.00	-8.39	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4904.00	32.79	31.88	8.68	32.13	41.22	54.00	-12.78	Horizontal
7356.00	22.07	36.45	11.75	31.86	38.41	54.00	-15.59	Horizontal
9808.00	21.57	38.43	14.29	31.68	42.61	54.00	-11.39	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



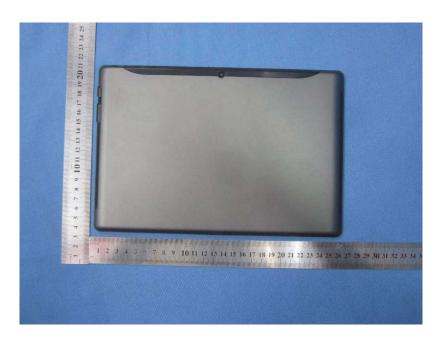


9 EUT Constructional Details















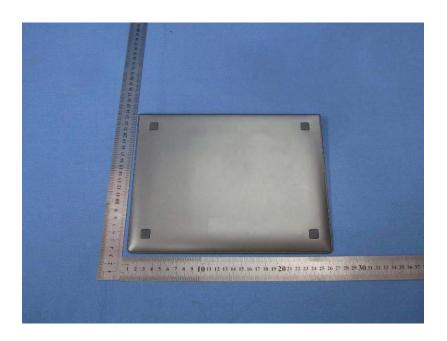
































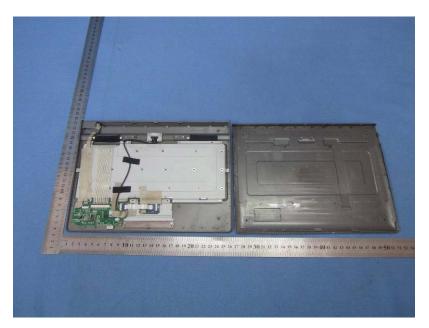




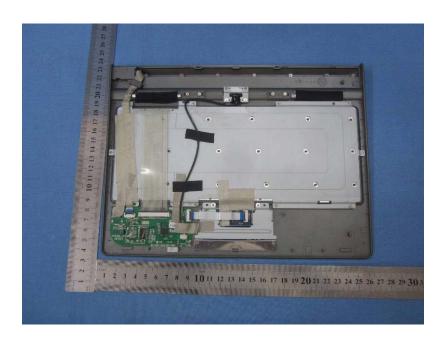
























----end-----