

Global United Technology Services Co., Ltd.

Report No.: GTSE14120217402

FCC Report (WIFI)

Applicant: NEG TECHNOLOGY CO., LIMITED

Address of Applicant: Rm 1406, Block B, Jinsejiari, Jingtian south road, Futian

district, Shenzhen, China

Equipment Under Test (EUT)

Product Name: Mobile Phone

Model No.: S3001D

Trade Mark: **OWN**

FCC ID: 2AAZ8-S3001D

FCC CFR Title 47 Part 15 Subpart C Section 15.247:2013 Applicable standards:

December 17, 2014 Date of sample receipt:

Date of Test: December 17-31, 2014

January 04, 2015 Date of report issued:

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

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



2 Version

Version No.	Date	Description
00	January 04, 2015	Original

Prepared By:	Edward.Par	Date:	January 04, 2015
	Project Engineer		
Check By:	hank. yan	Date:	January 04, 2015

Reviewer

Shenzhen, China 518102

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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.

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5 General Information

5.1 Client Information

Applicant:	NEG TECHNOLOGY CO., LIMITED
Address of Applicant:	Rm 1406, Block B, Jinsejiari, Jingtian south road, Futian district, Shenzhen, China
Manufacturer:	NEG TECHNOLOGY CO., LIMITED
Address of Manufacturer:	Rm 1406, Block B, Jinsejiari, Jingtian south road, Futian district, Shenzhen, China

5.2 General Description of EUT

Product Name:	Mobile Phone		
Model No.:	S3001D		
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:	PIFA antenna		
Antenna gain:	0dBi (declare by Applicant)		
Power supply:	Model No.: S3001D		
	Input: AC 100-240V, 50/60Hz, 0.2A		
	Output: DC 5.0V, 1A		
	DC 3.7V Li-ion Battery, 1100mAh		



Operation Frequency each of channel							
Channel Frequency Channel Freq							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 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

None.

Global United Technology Services Co., Ltd. 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China 518102

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5.5 Test Facility

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

CNAS —Registration No.: CNAS L5775

CNAS has accredited Global United Technology Services Co., Ltd. To ISO/IEC 17025 General Requirements for the competence of testing and calibration laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• 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: 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen,

China

Tel: 0755-27798480 Fax: 0755-27798960

Global United Technology Services Co., Ltd. 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District,

Shenzhen, China 518102 Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



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. 28 2014	Mar. 27 2015		
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	July 01 2014	June 30 2015		
5	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	July 01 2014	June 30 2015		
6	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 27 2014	June 26 2015		
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 28 2014	Mar. 27 2015		
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		
9	Coaxial Cable	GTS	N/A	GTS213	Mar. 29 2014	Mar. 28 2015		
10	Coaxial Cable	GTS	N/A	GTS211	Mar. 29 2014	Mar. 28 2015		
11	Coaxial cable	GTS	N/A	GTS210	Mar. 29 2014	Mar. 28 2015		
12	Coaxial Cable	GTS	N/A	GTS212	Mar. 29 2014	Mar. 28 2015		
13	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	July 01 2014	June 30 2015		
14	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	July 01 2014	June 30 2015		
15	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 27 2014	June 26 2015		
16	Band filter	Amindeon	82346	GTS219	Mar. 29 2014	Mar. 28 2015		
17	Power Meter	Anritsu	ML2495A	GTS540	July 01 2014	June 30 2015		
18	Power Sensor	Anritsu	MA2411B	GTS541	July 01 2014	June 30 2015		

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	July 01 2014	June 30 2015		
3	10dB Pulse Limita	Rohde & Schwarz	N/A	GTS224	July 01 2014	June 30 2015		
4	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	July 01 2014	June 30 2015		
5	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	GTS226	July 01 2014	June 30 2015		
6	Coaxial Cable	GTS	N/A	GTS227	July 01 2014	June 30 2015		
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 08 2014	July 07 2015			



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 PIFA antenna, the best case gain of the antenna is 0dBi



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7.2 Conducted Emissions

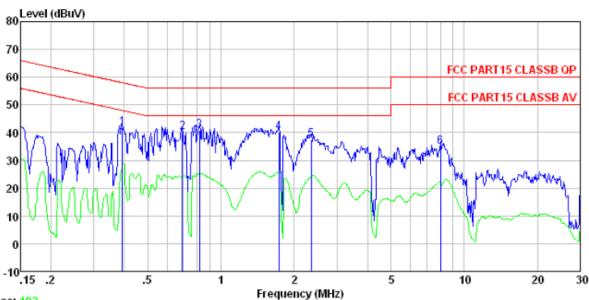
Test Requirement:	FCC Part15 C Section 15.207				
Test Method:	ANSI C63.4:2003				
Test Frequency Range:	150KHz to 30MHz				
Class / Severity:	Class B				
Receiver setup:	RBW=9KHz, VBW=30KHz, Sv	weep time=auto			
Limit:	Frequency range (MHz)	Limit (c	lBuV)		
		Quasi-peak	Average		
	0.15-0.5	66 to 56*	56 to 46*		
	0.5-5	56	46		
	5-30	60	50		
-	* Decreases with the logarithm	•			
Test setup:	Reference Plane		•		
	AUX Equipment E.U.T Filter AC power 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 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm 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 C63.4: 2003 on conducted measurement. 				
Test Instruments:	Refer to section 6.0 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Pass				

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Measurement data

Line:



Trace: 192

Condition : FCC PART15 CLASSB QP LISN-2013 LINE

Job No. : 2174RF Test mode : WiFi mode Test Engineer: Mike

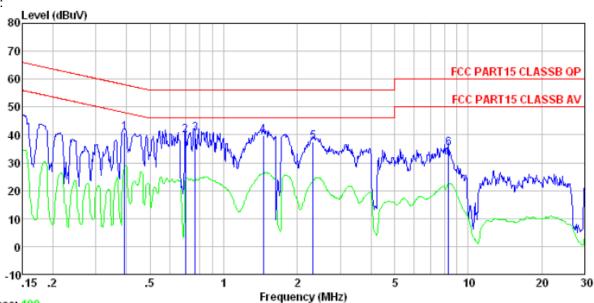
	Freq	Read Level	Cable Loss			Over Limit	Remark	
	MHz	dBuV	dB	dBu₹	dBuV	dB		
1 2 3 4 5	0.817 1.734 2.346	41. 64 39. 90 40. 62 39. 86 37. 20 34. 28	0.13 0.13 0.14 0.15	40.89 40.12 37.48	56.00 56.00 56.00 56.00	-15.83 -15.11 -15.88 -18.52	QP QP QP QP	

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Trace: 190

Condition : FCC PART15 CLASSB QP LISN-2013 NEUTRAL

Job No. : 2174RF Test mode : WiFi mode Test Engineer: Mike

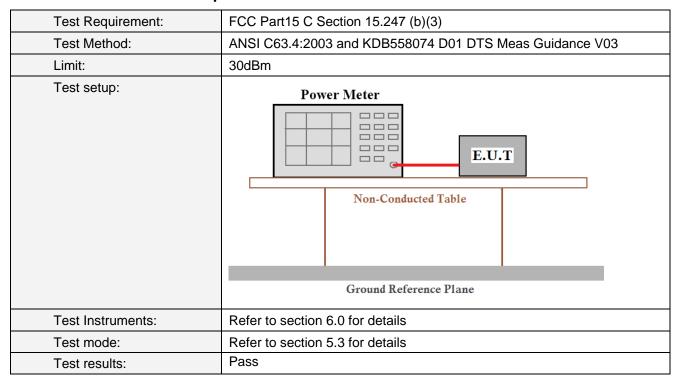
	Freq		Cable Loss		Limit Line	Over Limit	Remark	
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.393	40.78	0.11 0.13	40.95				
2	0.763	40.20	0.13	40.40	56.00	-15.60	QP	
4 5 6		39. 71 37. 36		39. 93 37. 61				
6	8.323	34.77	0.18	35.15	60.00	-24.85	QP	

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		
1631 011	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Limit(abin)	Nesuit
Lowest	16.74	13.64	13.52	11.32		
Middle	16.74	14.37	14.09	11.49	30.00	Pass
Highest	16.84	13.44	13.57	10.82		

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7.4 Channel Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)		
Test Method:	ANSI C63.4:2003 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

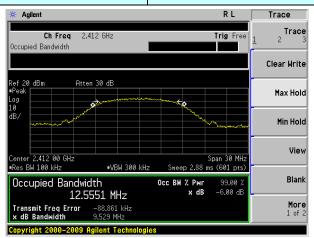
Test CH	Channel Bandwidth (MHz)				Limit(KHz)	Result
Test CIT	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Lillit(Ki iz)	Result
Lowest	9.529	15.810	15.992	35.354		
Middle	9.680	15.177	15.145	35.313	>500	Pass
Highest	9.365	15.185	15.404	35.328		

Test plot as follows:

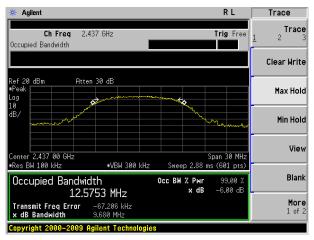
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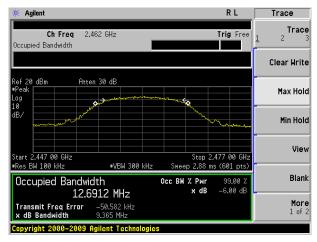
Test mode: 802.11b



Lowest channel



Middle channel

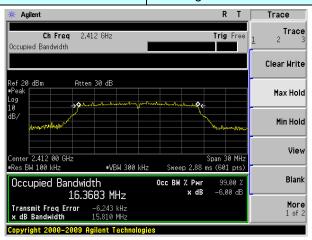


Highest channel

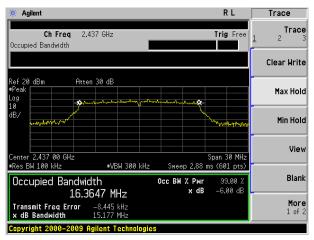
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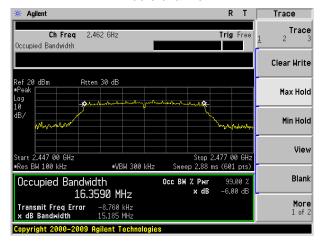
Test mode: 802.11g



Lowest channel



Middle channel

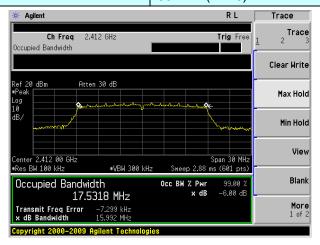


Highest channel

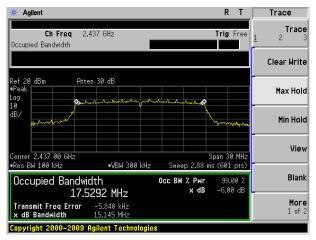
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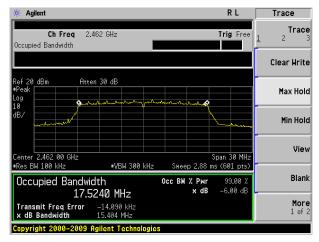
Test mode: 802.11n(HT20)



Lowest channel



Middle channel

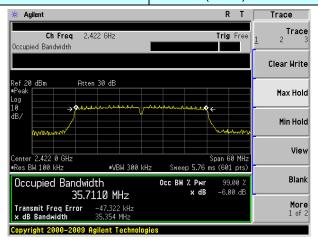


Highest channel

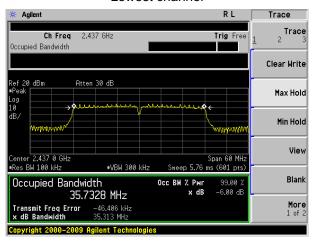
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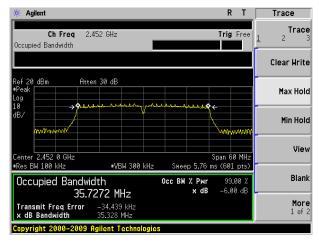
Test mode: 802.11n(HT40)



Lowest channel



Middle channel



Highest channel

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Project No.: GTSE141202174RF

7.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)		
Test Method:	ANSI C63.4:2003 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

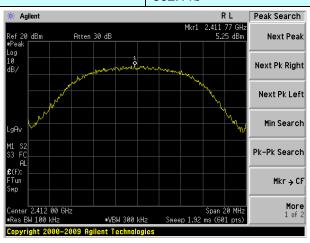
Test CH		Power Spectra	Limit(dBm/3kHz)	Result		
Test Off	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	LITIIL(GBITI/3KI12)	Result
Lowest	5.25	-0.04	-0.20	-5.73		Pass
Middle	5.02	0.95	0.96	-3.64	8.00	
Highest	5.27	0.08	-0.80	-5.74		

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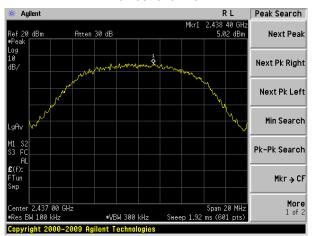


Test plot as follows:

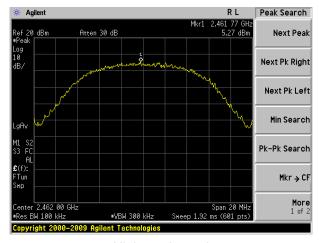
Test mode: 802.11b



Lowest channel



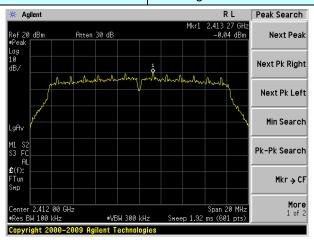
Middle channel



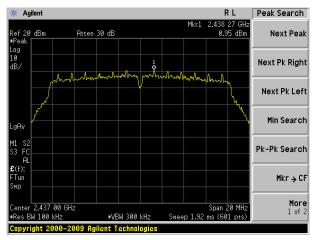
Highest channel



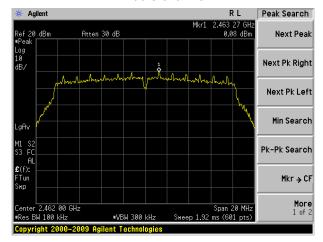
Test mode: 802.11g



Lowest channel



Middle channel

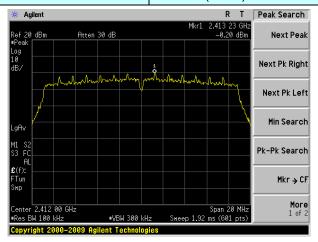


Highest channel

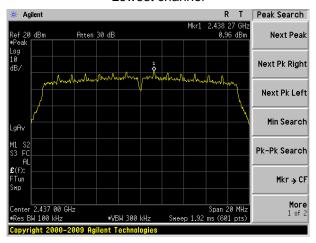
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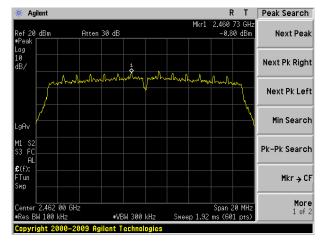
Test mode: 802.11n(HT20)



Lowest channel



Middle channel

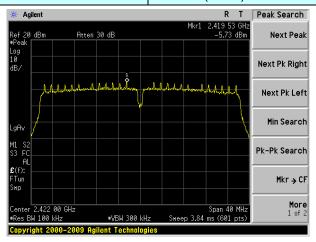


Highest channel

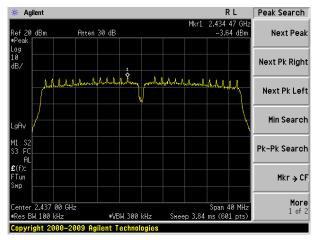
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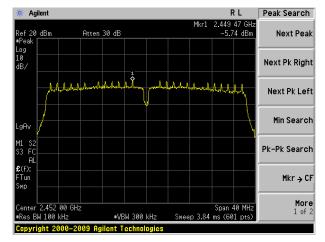
Test mode: 802.11n(HT40)



Lowest channel



Middle channel



Highest channel

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7.6 Band edges

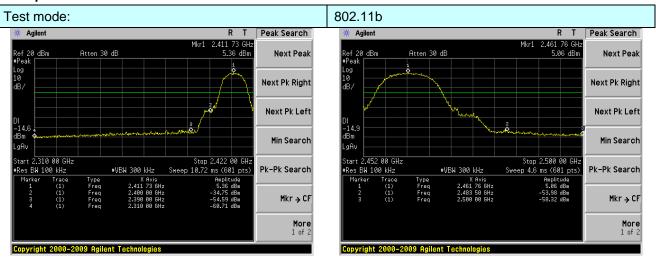
7.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)			
Test Method:	ANSI C63.4:2003 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:	·			
Test Instruments:	Refer to section 6.0 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Pass			

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Test plot as follows:

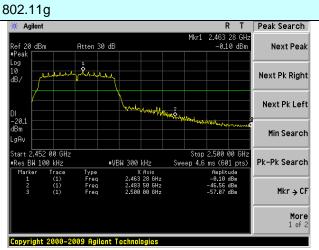


Lowest channel

Highest channel

Test mode: Peak Search Agilent R T Next Peak Next Pk Right Next Pk Left Min Search Stop 2.422 00 GH Sweep 10.72 ms (601 pts) .310 00 GHz Pk-Pk Search Mkr → CF More 1 of 2

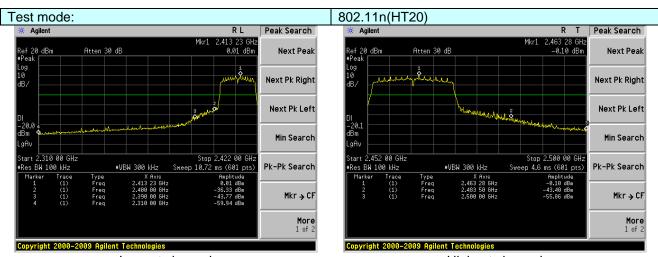
Lowest channel



Highest channel

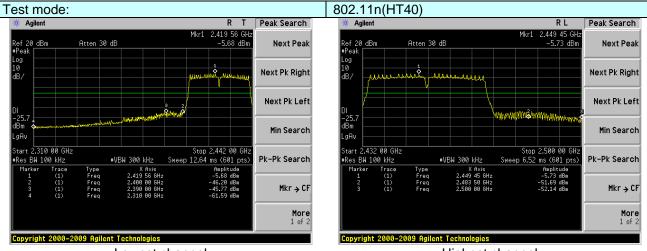
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Lowest channel

Highest channel



Lowest channel

Highest channel

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7.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C S	Section 15.209	and 15.205			
Test Method:	ANSI C63.4: 2003					
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					
Receiver setup:	Frequency	Detector	RBW	VBW	Value	
·		Peak	1MHz	3MHz	Peak	
	Above 1GHz	Peak	1MHz	10Hz	Average	
Limit:	Freque		Limit (dBuV	/m @3m)	Value	
			54.0	•	Average	
	Above 1	GHZ	74.0	0	Peak	
Test setup:	Antenna Tower Horn Antenna Spectrum Analyzer Turn Table Amplifier Amplifier					
Test Procedure:	 The EUT was placed on the top of a rotating table 0.8 meters 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. 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. 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. 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 					
Test Instruments:	Refer to section					
Test mode:	Refer to section	5.3 for details				
Test results:	Pass					



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:	802.11b	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
2310.00	50.43	27.59	5.38	34.01	49.39	74.00	-24.61	Horizontal
2390.00	59.04	27.58	5.39	34.01	58.00	74.00	-16.00	Horizontal
2310.00	52.03	27.59	5.38	34.01	50.99	74.00	-23.01	Vertical
2390.00	60.51	27.58	5.39	34.01	59.47	74.00	-14.53	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
2310.00	37.54	27.59	5.38	34.01	36.50	54.00	-17.50	Horizontal
2390.00	45.71	27.58	5.39	34.01	44.67	54.00	-9.33	Horizontal
2310.00	39.27	27.59	5.38	34.01	38.23	54.00	-15.77	Vertical
2390.00	46.74	27.58	5.39	34.01	45.70	54.00	-8.30	Vertical

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	50.57	27.53	5.47	33.92	49.65	74.00	-24.35	Horizontal
2500.00	46.78	27.55	5.49	29.93	49.89	74.00	-24.11	Horizontal
2483.50	52.58	27.53	5.47	33.92	51.66	74.00	-22.34	Vertical
2500.00	49.07	27.55	5.49	29.93	52.18	74.00	-21.82	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	37.73	27.53	5.47	33.92	36.81	54.00	-17.19	Horizontal
2500.00	34.06	27.55	5.49	29.93	37.17	54.00	-16.83	Horizontal
2483.50	39.56	27.53	5.47	33.92	38.64	54.00	-15.36	Vertical
2500.00	35.89	27.55	5.49	29.93	39.00	54.00	-15.00	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.

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Project No.: GTSE141202174RF

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Report No.: GTSE14120217402

Test mode:		802.1	1g		Tes	st channel:		Lowest	_
Peak value:		•							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)	or Or	Level (dBuV/m)	Limit Line (dBuV/m)	I I imit	Polarization
2310.00	49.44	27.59	5.38	34.0	1	48.40	74.00	-25.60	Horizontal
2390.00	57.71	27.58	5.39	34.0	1	56.67	74.00	-17.33	Horizontal
2310.00	50.97	27.59	5.38	34.0	1	49.93	74.00	-24.07	Vertical
2390.00	58.92	27.58	5.39	34.0	1	57.88	74.00	-16.12	Vertical
Average va	lue:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)	or Or	Level (dBuV/m)	Limit Line (dBuV/m)	Limit	Polarization
2310.00	36.84	27.59	5.38	34.0	1	35.80	54.00	-18.20	Horizontal
2390.00	44.89	27.58	5.39	34.0	1	43.85	54.00	-10.15	Horizontal
2310.00	38.48	27.59	5.38	34.0	1	37.44	54.00	-16.56	Vertical
2390.00	45.85	27.58	5.39	34.0	1	44.81	54.00	-9.19	Vertical
Test mode:		802.1	1g		Tes	st channel:		Highest	
Peak value:	:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)	or Or	Level (dBuV/m)	Limit Line (dBuV/m)	I I imit	Polarization
2483.50	49.15	27.53	5.47	33.9	2	48.23	74.00	-25.77	Horizontal
2500.00	45.69	27.55	5.49	29.9	3	48.80	74.00	-25.20	Horizontal
2483.50	50.96	27.53	5.47	33.9	2	50.04	74.00	-23.96	Vertical
2500.00	47.78	27.55	5.49	29.9	3	50.89	74.00	-23.11	Vertical
Average va	lue:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)	or Or	Level (dBuV/m)	Limit Line (dBuV/m)	I I imit	Polarization
2483.50	36.87	27.53	5.47	33.9	2	35.95	54.00	-18.05	Horizontal
2500.00	33.39	27.55	5.49	29.9	3	36.50	54.00	-17.50	Horizontal
2483.50	38.62	27.53	5.47	33.9	2	37.70	54.00	-16.30	Vertical
2500.00	35.19	27.55	5.49	29.9	3	38.30	54.00	-15.70	Vertical
Remark: 1. Final L	.evel =Recei	ver Read lev	rel + Antenr	na Facto)r + (Cable Loss -	- Preamplif	ier Factor	

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

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Test mode:

Report No.: GTSE14120217402

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
2310.00	49.83	27.59	5.38	34.01	48.79	74.00	-25.21	Horizontal
2390.00	58.23	27.58	5.39	34.01	57.19	74.00	-16.81	Horizontal
2310.00	51.38	27.59	5.38	34.01	50.34	74.00	-23.66	Vertical
2390.00	59.54	27.58	5.39	34.01	58.50	74.00	-15.50	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
2310.00	37.11	27.59	5.38	34.01	36.07	54.00	-17.93	Horizontal
2390.00	45.21	27.58	5.39	34.01	44.17	54.00	-9.83	Horizontal
2310.00	38.79	27.59	5.38	34.01	37.75	54.00	-16.25	Vertical
2390.00	46.20	27.58	5.39	34.01	45.16	54.00	-8.84	Vertical
Test mode:		802.1	1n(HT20)	Tes	st channel:	-	lighest	
			(- /		ot onamion.	•	ngoot	
Peak value	:		(- /		or oriention.		ng.100t	
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
Frequency	Read Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Polarization Horizontal
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	
Frequency (MHz) 2483.50	Read Level (dBuV) 49.70	Factor (dB/m) 27.53	Cable Loss (dB) 5.47	Preamp Factor (dB) 33.92	Level (dBuV/m) 48.78	Limit Line (dBuV/m) 74.00	Over Limit (dB)	Horizontal
Frequency (MHz) 2483.50 2500.00	Read Level (dBuV) 49.70 46.11	Factor (dB/m) 27.53 27.55	Cable Loss (dB) 5.47 5.49	Preamp Factor (dB) 33.92 29.93	Level (dBuV/m) 48.78 49.22	Limit Line (dBuV/m) 74.00 74.00	Over Limit (dB) -25.22 -24.78	Horizontal Horizontal
Frequency (MHz) 2483.50 2500.00 2483.50	Read Level (dBuV) 49.70 46.11 51.59 48.28	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 29.93	Level (dBuV/m) 48.78 49.22 50.67	Limit Line (dBuV/m) 74.00 74.00 74.00	Over Limit (dB) -25.22 -24.78 -23.33	Horizontal Horizontal Vertical
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00	Read Level (dBuV) 49.70 46.11 51.59 48.28	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) 48.78 49.22 50.67	Limit Line (dBuV/m) 74.00 74.00 74.00	Over Limit (dB) -25.22 -24.78 -23.33	Horizontal Horizontal Vertical
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average va Frequency	Read Level (dBuV) 49.70 46.11 51.59 48.28 Iue:	Factor (dB/m) 27.53 27.55 27.53 27.55 Antenna Factor	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) 48.78 49.22 50.67 51.39	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Contract the contract of the contr	Over Limit (dB) -25.22 -24.78 -23.33 -22.61 Over Limit	Horizontal Horizontal Vertical Vertical
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average va Frequency (MHz)	Read Level (dBuV) 49.70 46.11 51.59 48.28 Iue: Read Level (dBuV)	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) 48.78 49.22 50.67 51.39 Level (dBuV/m)	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m)	Over Limit (dB) -25.22 -24.78 -23.33 -22.61 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) 49.70 46.11 51.59 48.28 Iue: Read Level (dBuV) 37.20	Factor (dB/m) 27.53 27.55 27.53 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) 48.78 49.22 50.67 51.39 Level (dBuV/m) 36.28	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m) 54.00	Over Limit (dB) -25.22 -24.78 -23.33 -22.61 Over Limit (dB) -17.72	Horizontal Horizontal Vertical Vertical Polarization Horizontal

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

Test channel:

802.11n(HT20)

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Test mode:

Report No.: GTSE14120217402

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
2310.00	49.00	27.59	5.38	34.01	47.96	74.00	-26.04	Horizontal
2390.00	57.12	27.58	5.39	34.01	56.08	74.00	-17.92	Horizontal
2310.00	50.49	27.59	5.38	34.01	49.45	74.00	-24.55	Vertical
2390.00	58.20	27.58	5.39	34.01	57.16	74.00	-16.84	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
2310.00	36.52	27.59	5.38	34.01	35.48	54.00	-18.52	Horizontal
2390.00	44.53	27.58	5.39	34.01	43.49	54.00	-10.51	Horizontal
2310.00	38.13	27.59	5.38	34.01	37.09	54.00	-16.91	Vertical
2390.00	45.45	27.58	5.39	34.01	44.41	54.00	-9.59	Vertical
Test mode:		802.1	1n(HT40)	Tes	st channel:	F	lighest	
Peak value	•	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	Preamp Factor	Level	Limit Line	Limit	Polarization Horizontal
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Limit (dB)	
Frequency (MHz) 2483.50	Read Level (dBuV) 48.51	Factor (dB/m) 27.53	Loss (dB) 5.47	Preamp Factor (dB) 33.92	Level (dBuV/m) 47.59	Limit Line (dBuV/m) 74.00	Limit (dB) -26.41	Horizontal
Frequency (MHz) 2483.50 2500.00	Read Level (dBuV) 48.51 45.19	Factor (dB/m) 27.53 27.55	Loss (dB) 5.47 5.49	Preamp Factor (dB) 33.92 29.93	Level (dBuV/m) 47.59 48.30	Limit Line (dBuV/m) 74.00 74.00	Limit (dB) -26.41 -25.70	Horizontal Horizontal
Frequency (MHz) 2483.50 2500.00 2483.50	Read Level (dBuV) 48.51 45.19 50.23 47.20	Factor (dB/m) 27.53 27.55 27.53	Loss (dB) 5.47 5.49 5.47 5.49	Preamp Factor (dB) 33.92 29.93 33.92 29.93	Level (dBuV/m) 47.59 48.30 49.31	Limit Line (dBuV/m) 74.00 74.00 74.00	Limit (dB) -26.41 -25.70 -24.69	Horizontal Horizontal Vertical
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00	Read Level (dBuV) 48.51 45.19 50.23 47.20	Factor (dB/m) 27.53 27.55 27.53	Loss (dB) 5.47 5.49 5.47	Preamp Factor (dB) 33.92 29.93 33.92	Level (dBuV/m) 47.59 48.30 49.31	Limit Line (dBuV/m) 74.00 74.00 74.00	Limit (dB) -26.41 -25.70 -24.69	Horizontal Horizontal Vertical
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average va Frequency	Read Level (dBuV) 48.51 45.19 50.23 47.20 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	Preamp Factor (dB) 33.92 29.93 33.92 29.93 Preamp Factor	Level (dBuV/m) 47.59 48.30 49.31 50.31	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Contract the contract of the contr	Limit (dB) -26.41 -25.70 -24.69 -23.69 Over Limit	Horizontal Horizontal Vertical Vertical
Frequency (MHz) 2483.50 2500.00 2483.50 2500.00 Average va Frequency (MHz)	Read Level (dBuV) 48.51 45.19 50.23 47.20 Iue: Read Level (dBuV)	Factor (dB/m) 27.53 27.55 27.53 27.55 Antenna Factor (dB/m)	Loss (dB) 5.47 5.49 5.47 5.49 Cable Loss (dB)	Preamp Factor (dB) 33.92 29.93 33.92 29.93 Preamp Factor (dB)	Level (dBuV/m) 47.59 48.30 49.31 50.31 Level (dBuV/m)	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m)	Limit (dB) -26.41 -25.70 -24.69 -23.69 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) 48.51 45.19 50.23 47.20 Iue: Read Level (dBuV) 36.49	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	Preamp Factor (dB) 33.92 29.93 33.92 29.93 Preamp Factor (dB) 33.92	Level (dBuV/m) 47.59 48.30 49.31 50.31 Level (dBuV/m)	Limit Line (dBuV/m) 74.00 74.00 74.00 74.00 Limit Line (dBuV/m) 54.00	Limit (dB) -26.41 -25.70 -24.69 -23.69 Over Limit (dB) -18.43	Horizontal Horizontal Vertical Vertical Polarization Horizontal

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

Test channel:

802.11n(HT40)

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7.7 Spurious Emission

7.7.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)					
Test Method:	ANSI C63.4:2003 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					

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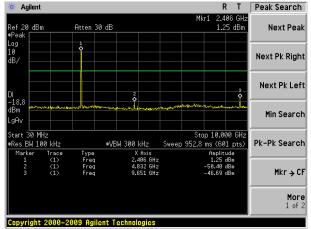


Test plot as follows:

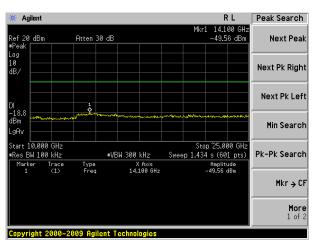
Test mode:

802.11b

Lowest channel

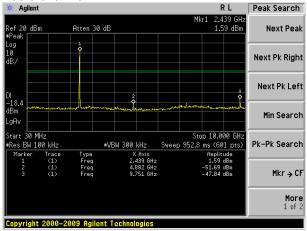


30MHz~10GHz

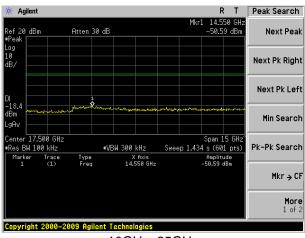


10GHz~25GHz

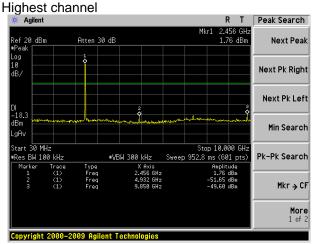
Middle channel



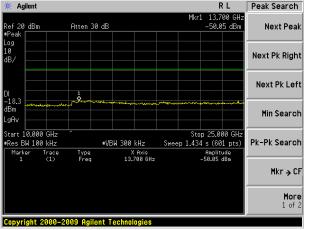
30MHz~10GHz



10GHz~25GHz



30MHz~10GHz



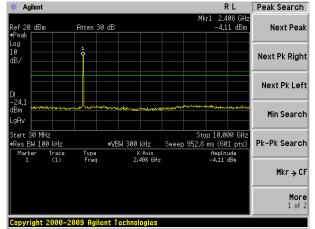
10GHz~25GHz



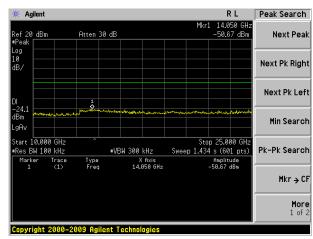
Test mode:

802.11g

Lowest channel

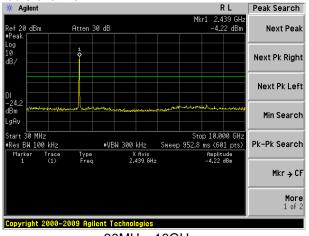


30MHz~10GHz

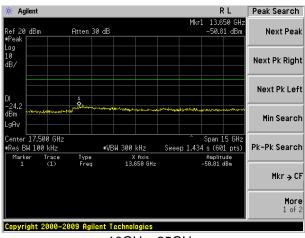


10GHz~25GHz

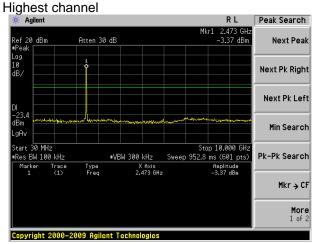
Middle channel



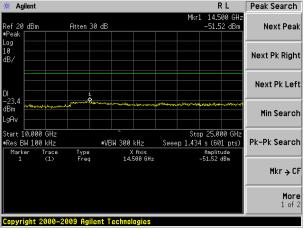
30MHz~10GHz



10GHz~25GHz



30MHz~10GHz



10GHz~25GHz



R L

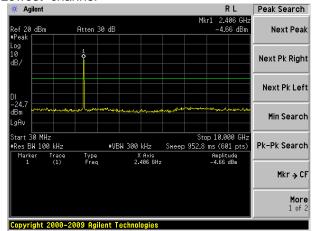
Peak Search

Test mode:

802.11n(HT20)

🗰 Agilent

Lowest channel



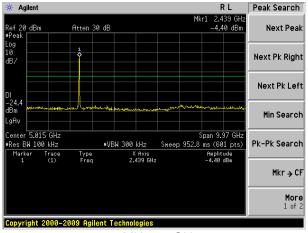
30MHz~10GHz

Mkr1 14.400 GHz Peak Peak Log 10 dB/ DI -24.7 dBm LgRv Pency LgRv Pency Pency Pency LgRv Pency Pe

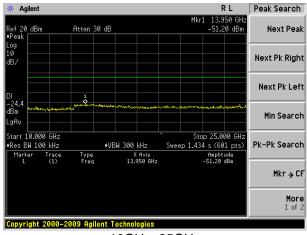
10GHz~25GHz

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Middle channel

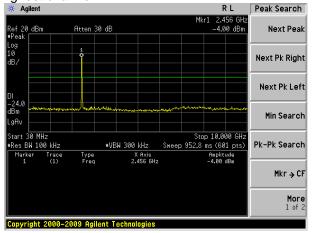


30MHz~10GHz

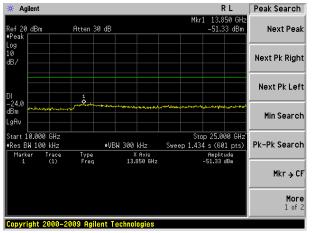


10GHz~25GHz





30MHz~10GHz



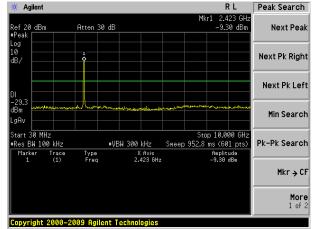
10GHz~25GHz



Test mode:

802.11n(HT40)

Lowest channel

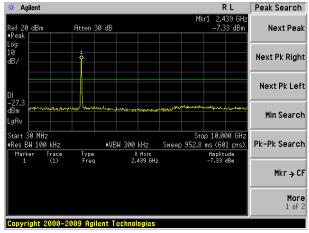


30MHz~10GHz

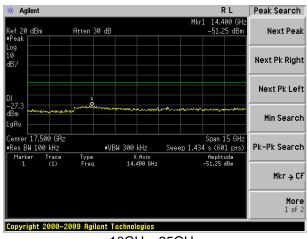
Peak Search 15.000 GHz -50.43 dBm Atten 30 dB Next Peak Next Pk Right Next Pk Left Min Search Center 17.500 GH: •Res BW 100 kHz Span 15 GH: Sweep 1.434 s (601 pts #VBW 300 kHz Pk-Pk Search X Axis 15.000 GHz Amplitude -50.43 dBm Mkr → CF More 1 of 2 Copyright 2000-2009 Agilent Technologies

10GHz~25GHz

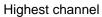
Middle channel

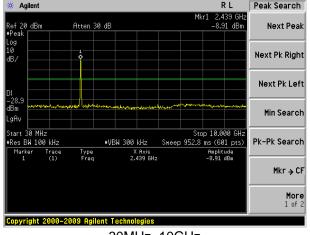


30MHz~10GHz

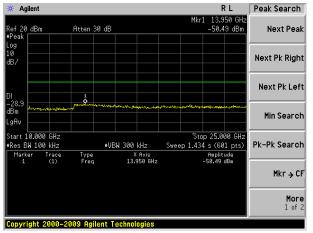


10GHz~25GHz





30MHz~10GHz



10GHz~25GHz



7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Se	ection 15.209									
Test Method:	ANSI C63.4: 200	3									
Test Frequency Range:	30MHz to 25GHz	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	Above 1GHz									
	Above Toriz	Peak 1MHz 10Hz									
Limit:	Frequen	Frequency Limit (dBuV/m @3m) Valu									
	30MHz-88	30MHz-88MHz 40.00 Quasi-peak									
	88MHz-216	88MHz-216MHz 43.50 Quasi-peak									
	216MHz-96	216MHz-960MHz 46.00 Quasi-peak									
	960MHz-1	960MHz-1GHz 54.00 Quasi-peak									
	Abovo 10	`U-7	54.0	0	Average						
	Above 10	Above 1GHz 74.00 Peak									
	Tum 7.8 0.8 m Table 0.8 m Above 1GHz	Above 1GHz Antenna Tower Horn Antenna									

Global United Technology Services Co., Ltd.

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Shenzhen, China 518102



Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8 meters 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
41.71	38.42	15.57	0.68	20.50	34.17	40.00	-5.83	Vertical
69.11	40.08	11.06	0.93	20.50	31.57	40.00	-8.43	Vertical
98.83	33.67	15.10	1.18	20.50	29.45	43.50	-14.05	Vertical
155.91	32.15	10.51	1.60	21.14	23.12	43.50	-20.38	Vertical
300.37	30.75	15.06	2.36	21.22	26.95	46.00	-19.05	Vertical
948.76	26.43	23.40	5.04	20.42	34.45	46.00	-11.55	Vertical
41.57	40.16	15.57	0.68	20.50	35.91	40.00	-4.09	Horizontal
58.20	31.94	14.80	0.84	20.50	27.08	40.00	-12.92	Horizontal
99.88	31.39	15.16	1.19	20.50	27.24	43.50	-16.26	Horizontal
285.98	29.66	14.78	2.29	21.25	25.48	46.00	-20.52	Horizontal
609.92	24.08	20.48	3.76	20.72	27.60	46.00	-18.40	Horizontal
982.62	28.53	23.62	5.16	20.39	36.92	54.00	-17.08	Horizontal

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Above 1GHz

Test mode:		802.11b		Test	channel:	Lowe	est	
Peak value:						<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
4824.00	40.33	31.79	8.62	32.10	48.64	74.00	-25.36	Vertical
7236.00	34.24	36.19	11.68	31.97	50.14	74.00	-23.86	Vertical
9648.00	32.73	38.07	14.16	31.56	53.40	74.00	-20.60	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.99	31.79	8.62	32.10	47.30	74.00	-26.70	Horizontal
7236.00	33.99	36.19	11.68	31.97	49.89	74.00	-24.11	Horizontal
9648.00	32.31	38.07	14.16	31.56	52.98	74.00	-21.02	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	29.41	31.79	8.62	32.10	37.72	54.00	-16.28	Vertical
7236.00	23.11	36.19	11.68	31.97	39.01	54.00	-14.99	Vertical
9648.00	23.07	38.07	14.16	31.56	43.74	54.00	-10.26	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	28.53	31.79	8.62	32.10	36.84	54.00	-17.16	Horizontal
7236.00	22.57	36.19	11.68	31.97	38.47	54.00	-15.53	Horizontal
9648.00	22.05	38.07	14.16	31.56	42.72	54.00	-11.28	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		Tes	st 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	39.38	31.85	8.66	32.12	47.77	74.00	-26.23	Vertical
7311.00	34.31	36.37	11.71	31.91	50.48	74.00	-23.52	Vertical
9748.00	33.75	38.27	14.25	31.56	54.71	74.00	-19.29	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.85	31.85	8.66	32.12	48.24	74.00	-25.76	Horizontal
7311.00	32.95	36.37	11.71	31.91	49.12	74.00	-24.88	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	30.23	31.85	8.66	32.12	38.62	54.00	-15.38	Vertical
7311.00	22.62	36.37	11.71	31.91	38.79	54.00	-15.21	Vertical
9748.00	23.00	38.27	14.25	31.56	43.96	54.00	-10.04	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.96	31.85	8.66	32.12	38.35	54.00	-15.65	Horizontal
7311.00	22.03	36.37	11.71	31.91	38.20	54.00	-15.80	Horizontal
9748.00	23.35	38.27	14.25	31.56	44.31	54.00	-9.69	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

Shenzhen, China 518102

^{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:		High	est	
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	amp ctor IB)	Level (dBuV/m)	Limit (dBu		Over Limit (dB)	polarization
4924.00	44.93	31.90	8.70	32	.15	53.38	74.	00	-20.62	Vertical
7386.00	34.99	36.49	11.76	31	.83	51.41	74.	00	-22.59	Vertical
9848.00	37.05	38.62	14.31	31	.77	58.21	74.	00	-15.79	Vertical
12310.00	*						74.	00		Vertical
14772.00	*						74.	00		Vertical
17234.00	*						74.	00		Vertical
4924.00	44.23	31.90	8.70	32	.15	52.68	74.	00	-21.32	Horizontal
7386.00	33.89	36.49	11.76	31	.83	50.31	74.	00	-23.69	Horizontal
9848.00	33.22	38.62	14.31	31	.77	54.38	74.	00	-19.62	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)	Fa	amp ctor IB)	Level (dBuV/m)	Limit (dBu		Over Limit (dB)	polarization
4924.00	35.84	31.90	8.70	32	.15	44.29	54.	00	-9.71	Vertical
7386.00	24.91	36.49	11.76	31	.83	41.33	54.	00	-12.67	Vertical
9848.00	25.55	38.62	14.31	31	.77	46.71	54.	00	-7.29	Vertical
12310.00	*						54.	00		Vertical
14772.00	*						54.	00		Vertical
17234.00	*						54.	00		Vertical
4924.00	34.59	31.90	8.70	32	.15	43.04	54.	00	-10.96	Horizontal
7386.00	23.28	36.49	11.76	31	.83	39.70	54.	00	-14.30	Horizontal
9848.00	22.48	38.62	14.31	31	.77	43.64	54.	00	-10.36	Horizontal
12310.00	*						54.	00		Horizontal
14772.00	*						54.	00		Horizontal
17234.00	*						54.	00		Horizontal

Remark:

Shenzhen, China 518102

^{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	39.11	31.79	8.62	32.10	47.42	74.00	-26.58	Vertical
7236.00	33.47	36.19	11.68	31.97	49.37	74.00	-24.63	Vertical
9648.00	32.18	38.07	14.16	31.56	52.85	74.00	-21.15	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	37.96	31.79	8.62	32.10	46.27	74.00	-27.73	Horizontal
7236.00	33.31	36.19	11.68	31.97	49.21	74.00	-24.79	Horizontal
9648.00	31.80	38.07	14.16	31.56	52.47	74.00	-21.53	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	28.28	31.79	8.62	32.10	36.59	54.00	-17.41	Vertical
7236.00	22.36	36.19	11.68	31.97	38.26	54.00	-15.74	Vertical
9648.00	22.55	38.07	14.16	31.56	43.22	54.00	-10.78	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertica
4824.00	27.56	31.79	8.62	32.10	35.87	54.00	-18.13	Horizontal
7236.00	21.91	36.19	11.68	31.97	37.81	54.00	-16.19	Horizontal
9648.00	21.56	38.07	14.16	31.56	42.23	54.00	-11.77	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

Shenzhen, China 518102

^{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:	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	38.37	31.85	8.66	32.12	46.76	74.00	-27.24	Vertical
7311.00	33.67	36.37	11.71	31.91	49.84	74.00	-24.16	Vertical
9748.00	33.29	38.27	14.25	31.56	54.25	74.00	-19.75	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.00	31.85	8.66	32.12	47.39	74.00	-26.61	Horizontal
7311.00	32.39	36.37	11.71	31.91	48.56	74.00	-25.44	Horizontal
9748.00	33.21	38.27	14.25	31.56	54.17	74.00	-19.83	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	29.30	31.85	8.66	32.12	37.69	54.00	-16.31	Vertical
7311.00	22.01	36.37	11.71	31.91	38.18	54.00	-15.82	Vertical
9748.00	22.56	38.27	14.25	31.56	43.52	54.00	-10.48	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.16	31.85	8.66	32.12	37.55	54.00	-16.45	Horizontal
7311.00	21.49	36.37	11.71	31.91	37.66	54.00	-16.34	Horizontal
9748.00	22.94	38.27	14.25	31.56	43.90	54.00	-10.10	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

Shenzhen, China 518102

^{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		Tes	st 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	43.19	31.90	8.70	32.15	51.64	74.00	-22.36	Vertical
7386.00	33.90	36.49	11.76	31.83	50.32	74.00	-23.68	Vertical
9848.00	36.26	38.62	14.31	31.77	57.42	74.00	-16.58	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	42.76	31.90	8.70	32.15	51.21	74.00	-22.79	Horizontal
7386.00	32.93	36.49	11.76	31.83	49.35	74.00	-24.65	Horizontal
9848.00	32.49	38.62	14.31	31.77	53.65	74.00	-20.35	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	34.24	31.90	8.70	32.15	42.69	54.00	-11.31	Vertical
7386.00	23.85	36.49	11.76	31.83	40.27	54.00	-13.73	Vertical
9848.00	24.80	38.62	14.31	31.77	45.96	54.00	-8.04	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	33.21	31.90	8.70	32.15	41.66	54.00	-12.34	Horizontal
7386.00	22.35	36.49	11.76	31.83	38.77	54.00	-15.23	Horizontal
9848.00	21.78	38.62	14.31	31.77	42.94	54.00	-11.06	Horizontal
12310.00	*	_				54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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^{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	39.77	31.79	8.62	32.10	48.08	74.00	-25.92	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	38.52	31.79	8.62	32.10	46.83	74.00	-27.17	Horizontal
7236.00	33.68	36.19	11.68	31.97	49.58	74.00	-24.42	Horizontal
9648.00	32.07	38.07	14.16	31.56	52.74	74.00	-21.26	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	28.89	31.79	8.62	32.10	37.20	54.00	-16.80	Vertical
7236.00	22.77	36.19	11.68	31.97	38.67	54.00	-15.33	Vertical
9648.00	22.83	38.07	14.16	31.56	43.50	54.00	-10.50	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	28.08	31.79	8.62	32.10	36.39	54.00	-17.61	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.

Shenzhen, China 518102



Test mode:		802.11n(H	IT20)	Test	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	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	39.46	31.85	8.66	32.12	47.85	74.00	-26.15	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)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.80	31.85	8.66	32.12	38.19	54.00	-15.81	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:

Shenzhen, China 518102

^{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:	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	44.13	31.90	8.70	32.15	52.58	74.00	-21.42	4924.00
7386.00	34.49	36.49	11.76	31.83	50.91	74.00	-23.09	7386.00
9848.00	36.69	38.62	14.31	31.77	57.85	74.00	-16.15	9848.00
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	43.55	31.90	8.70	32.15	52.00	74.00	-22.00	Horizontal
7386.00	33.45	36.49	11.76	31.83	49.87	74.00	-24.13	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	35.11	31.90	8.70	32.15	43.56	54.00	-10.44	Vertical
7386.00	24.42	36.49	11.76	31.83	40.84	54.00	-13.16	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	33.96	31.90	8.70	32.15	42.41	54.00	-11.59	Horizontal
7386.00	22.85	36.49	11.76	31.83	39.27	54.00	-14.73	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:

Shenzhen, China 518102

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:	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
4844.00	37.95	31.81	8.63	32.11	46.28	74.00	-27.72	Vertical
7266.00	32.74	36.28	11.69	31.94	48.77	74.00	-25.23	Vertical
9688.00	31.66	38.13	14.21	31.52	52.48	74.00	-21.52	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4844.00	36.98	31.81	8.63	32.11	45.31	74.00	-28.69	Horizontal
7266.00	32.67	36.28	11.69	31.94	48.70	74.00	-25.30	Horizontal
9688.00	31.31	38.13	14.21	31.52	52.13	74.00	-21.87	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal
Average val		I	ļ	<u> </u>			<u> </u>	

Average value:

7. Totago valuo:									
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	27.22	31.81	8.63	32.11	35.55	54.00	-18.45	Vertical	
7266.00	21.66	36.28	11.69	31.94	37.69	54.00	-16.31	Vertical	
9688.00	22.04	38.13	14.21	31.52	42.86	54.00	-11.14	Vertical	
12060.00	*					54.00		Vertical	
14472.00	*					54.00		Vertical	
16884.00	*					54.00		Vertical	
4844.00	26.64	31.81	8.63	32.11	34.97	54.00	-19.03	Horizontal	
7266.00	21.29	36.28	11.69	31.94	37.32	54.00	-16.68	Horizontal	
9688.00	21.10	38.13	14.21	31.52	41.92	54.00	-12.08	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	37.41	31.85	8.66	32	2.12	45.80	74.00		-28.20	Vertical
7311.00	33.06	36.37	11.71	31	.91	49.23	74.00		-24.77	Vertical
9748.00	32.86	38.27	14.25	31.56		53.82	74.00		-20.18	Vertical
12185.00	*						74.00			Vertical
14622.00	*						74.00			Vertical
17059.00	*						74.00			Vertical
4874.00	38.19	31.85	8.66	32	2.12	46.58	74.00		-27.42	Horizontal
7311.00	31.86	36.37	11.71	31.91		48.03	74.00		-25.97	Horizontal
9748.00	32.81	38.27	14.25	31.56		53.77	74.00		-20.23	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	amp ctor dB)	Level (dBuV/m)	Limit (dBu		Over Limit (dB)	polarization
4874.00	28.42	31.85	8.66	32	2.12	36.81	54.	00	-17.19	Vertical
7311.00	21.42	36.37	11.71	31	.91	37.59	54.	00	-16.41	Vertical
9748.00	22.15	38.27	14.25	31	.56	43.11	54.	00	-10.89	Vertical
12185.00	*						54.	00		Vertical
14622.00	*						54.	00		Vertical
17059.00	*						54.	00		Vertical
4874.00	28.41	31.85	8.66	32.12		36.80	54.	00	-17.20	Horizontal
7311.00	20.98	36.37	11.71	31	.91	37.15	54.	00	-16.85	Horizontal
9748.00	22.56	38.27	14.25	31	.56	43.52	54.	00	-10.48	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	IT40)	Te	st 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
4904.00	41.54	31.88	8.68	32.13	49.97	74.00	-24.03	Vertical
7356.00	32.85	36.45	11.75	31.86	49.19	74.00	-24.81	Vertical
9808.00	35.52	38.43	14.29	31.68	56.56	74.00	-17.44	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4904.00	41.37	31.88	8.68	32.13	49.80	74.00	-24.20	Horizontal
7356.00	32.02	36.45	11.75	31.86	48.36	74.00	-25.64	Horizontal
9808.00	31.81	38.43	14.29	31.68	52.85	74.00	-21.15	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
4904.00	32.72	31.88	8.68	32.13	41.15	54.00	-12.85	Vertical
7356.00	22.84	36.45	11.75	31.86	39.18	54.00	-14.82	Vertical
9808.00	24.08	38.43	14.29	31.68	45.12	54.00	-8.88	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4904.00	31.90	31.88	8.68	32.13	40.33	54.00	-13.67	Horizontal
7356.00	21.46	36.45	11.75	31.86	37.80	54.00	-16.20	Horizontal
9808.00	21.12	38.43	14.29	31.68	42.16	54.00	-11.84	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

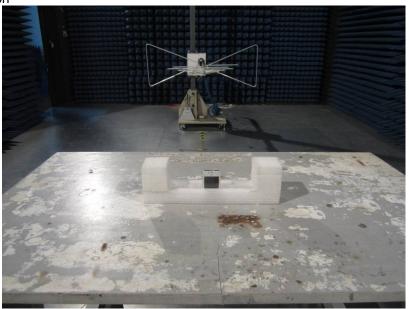
Shenzhen, China 518102

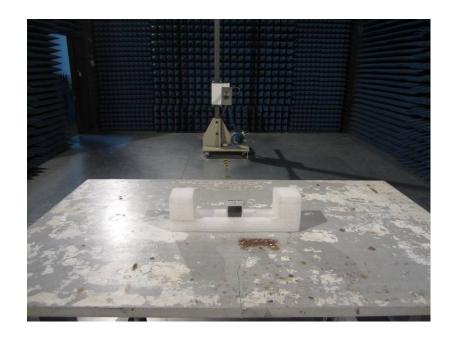
¹ Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor 2 "*", means this data is the too weak instrument of signal is unable to test.



8 Test Setup Photo

Radiated Emission





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Conducted Emission



9 EUT Constructional Details

Reference to the test report No. GTSE14120217401

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