

Global United Technology Services Co., Ltd.

Report No.: GTSE15050080202

FCC Report (WIFI)

Applicant: AOC

Address of Applicant: 14F-5, No. 258, Liancheng Rd., Zhonghe Dist., New Taipei

City, Taiwan

Equipment Under Test (EUT)

Product Name: Tablet PC

Model No.: F702

Trade mark: AOC

FCC ID: 2AEB5-F702

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

Date of sample receipt: May 15, 2015

Date of Test: May 18-21, 2015

Date of report issued: May 22, 2015

Test Result: PASS *

Authorized Signature:

Robinson Lo

Laboratory Manager

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

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



2 Version

Version No.	Date	Description
00	May 22, 2015	Original

Prepared By:	Sam. Gao	Date:	May 22, 2015	
	Project Engineer			
Check By:	hank. yan	Date:	May 22, 2015	
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Reviewer



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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.

4.1 Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	9kHz ~ 30MHz	± 4.34dB	(1)
Radiated Emission	30MHz ~ 1000MHz	± 4.24dB	(1)
Radiated Emission	1GHz ~ 26.5GHz	± 4.68dB	(1)
AC Power Line Conducted 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	95%.

Remark: The EUT test according to ANSI C63.4:2009 and ANSI C63.10:2009.



5 General Information

5.1 Client Information

Applicant:	AOC
Address of Applicant:	14F-5, No. 258, Liancheng Rd., Zhonghe Dist., New Taipei City, Taiwan
Manufacturer/Factory:	AOC
Address of Manufacturer/Factory:	14F-5, No. 258, Liancheng Rd., Zhonghe Dist., New Taipei City, Taiwan

5.2 General Description of EUT

Product Name:	Tablet PC	
Model No.:	F702	
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:	2dBi (declare by Applicant)	
Power supply:	Adapter:	
	Model No.: K-E30502000U2	
	Input: AC 100-240V, 50/60Hz, 0.35A Max	
	Output: DC 5.0V, 2000mA	
	or	
	DC 3.7V Li-ion Battery 2600mAh	

No. 300 Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen 518102 Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



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

5.4 Description of Support Units

None.



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

• FCC —Registration No.: 600491

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

Global United Technology Services Co., Ltd.

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

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



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	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. 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	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. 28 2015	Mar. 27 2016		
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	ducted Emission:					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.0(L)x3.0(W)x3.0(H)	GTS264	Sep. 07 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				

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



7 Test results and Measurement Data

7.1 Antenna requirement

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

15.203 requirement:

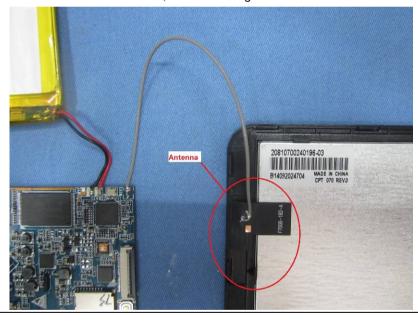
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 2dBi





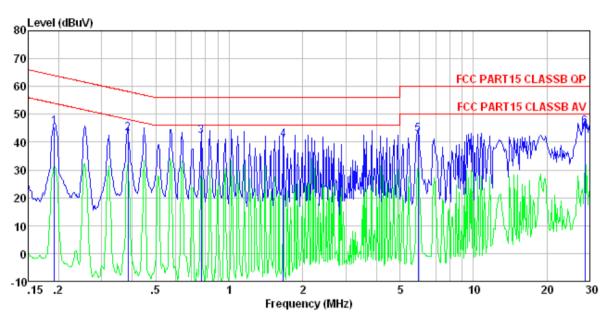
7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207						
Test Method:	ANSI C63.10:2009						
Test Frequency Range:	150KHz to 30MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9KHz, VBW=30KHz, Sv	weep time=auto					
Limit:		Limit (d	lBuV)				
	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 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 C63.10:2009 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:



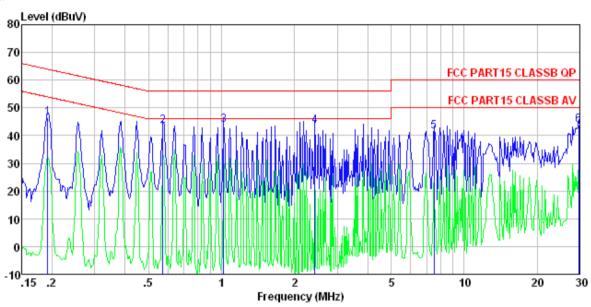
Condition : FCC PART15 CLASSB QP LISN-2013 LINE Job No. : 0802RF

Job No. : 0802RF Test mode : WiFi mode Test Engineer: Qing

	Freq		LISN Factor					Remark
	MHz	dBuV	dB	d₿	dBuV	dBuV	dB	
1 2 3	0.385	42.97	0.14 0.11 0.14	0.10	43.18	58.17	-14.99	QP
4 5 6	1.662 5.929	40.62 42.54		0.14 0.16	40.88 42.92	56.00 60.00	-15.12 -17.08	QP QP



Neutral:



Condition : FCC PART15 CLASSB QP LISN-2013 NEUTRAL

Job No. : 0802RF Test mode : WiFi mode Test Engineer: Qing

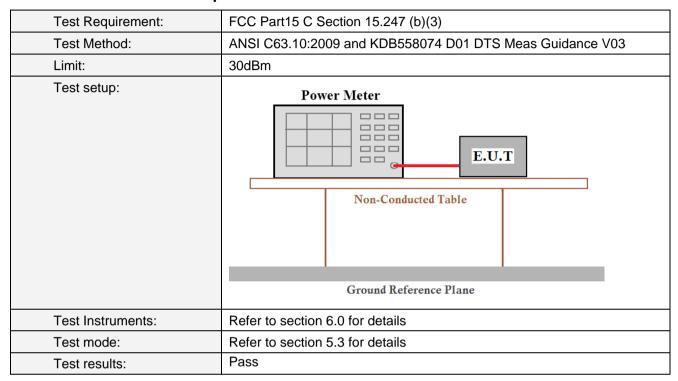
	Freq		LISN Factor					Remark
	MHz	dBuV	dB	d₿	dBuV	dBuV	dB	
1 2 3 4 5 6	0.573 1.021 2.422 7.526	43. 46 43. 22 41. 00	0. 07 0. 07	0.13 0.15 0.18	43.56 43.66 43.47 41.37	56.00 56.00 56.00 60.00	-12.44 -12.34 -12.53 -18.63	QP QP QP QP

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	7.43	6.54	6.40	5.95		Pass
Middle	7.40	6.62	6.66	6.08	30.00	
Highest	7.48	6.83	6.77	6.14		



7.4 Channel Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)			
Test Method:	ANSI C63.10:2009 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			

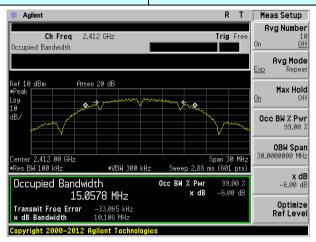
Measurement Data

Test CH		Channel Ban	Limit(KHz)	Result		
Test CIT	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	LIIIII((KI IZ)	Nesuit
Lowest	10.106	16.575	17.673	36.527		Pass
Middle	10.114	16.592	17.873	36.532	>500	
Highest	10.109	16.573	17.855	36.521		

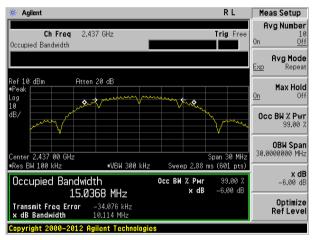
Test plot as follows:



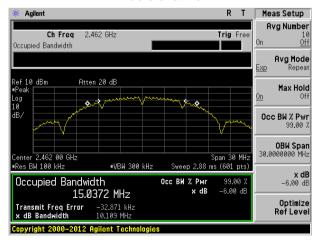
Test mode: 802.11b



Lowest channel



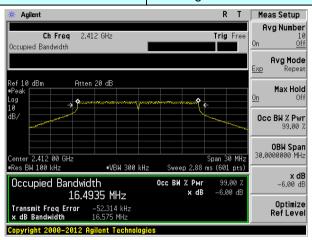
Middle channel



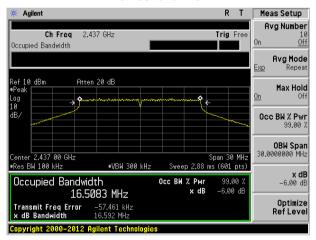
Highest channel



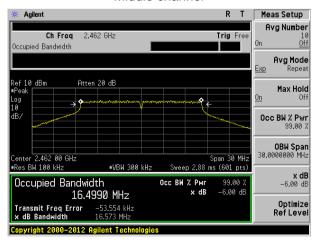
Test mode: 802.11g



Lowest channel



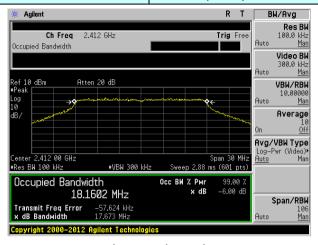
Middle channel



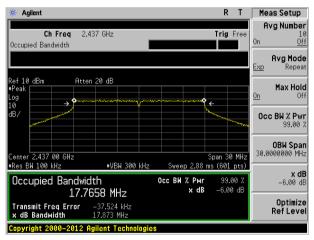
Highest channel



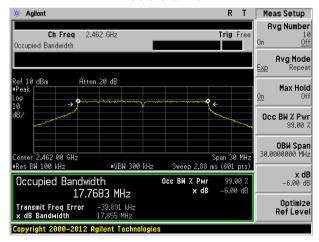
Test mode: 802.11n(HT20)



Lowest channel



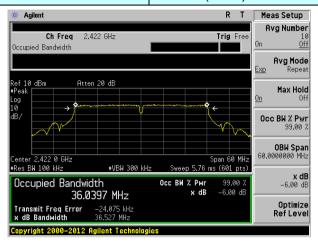
Middle channel



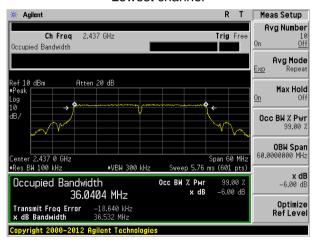
Highest channel



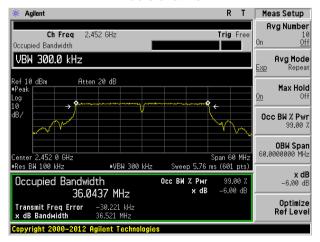
Test mode: 802.11n(HT40)



Lowest channel



Middle channel



Highest channel



7.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)		
Test Method:	ANSI C63.10:2009 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		

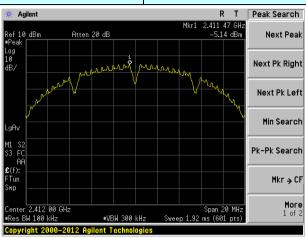
Measurement Data

Test CH		Power Spectra	Limit(dBm/3kHz)	Result		
Test Off	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Limit(dbm/3km2)	Result
Lowest	-5.14	-9.89	-11.63	-14.70		Pass
Middle	-4.80	-8.07	-10.96	-14.78	8.00	
Highest	-5.13	-9.23	-11.07	-15.12		

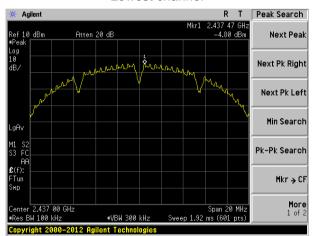


Test plot as follows:

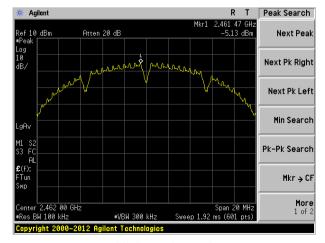
Test mode: 802.11b



Lowest channel



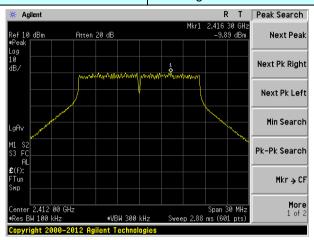
Middle channel



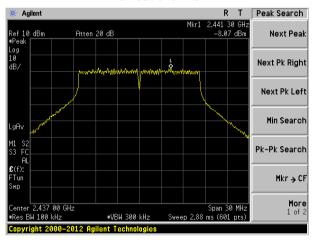
Highest channel



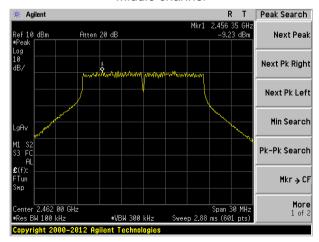
Test mode: 802.11g



Lowest channel



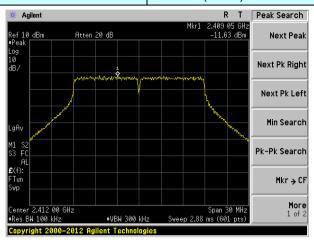
Middle channel



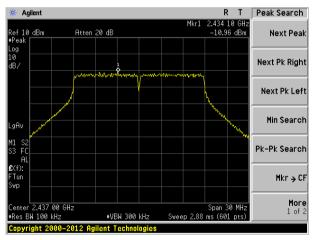
Highest channel



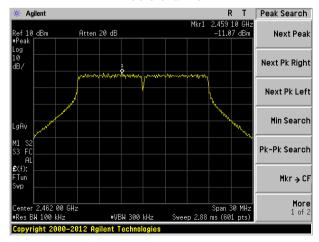
Test mode: 802.11n(HT20)



Lowest channel



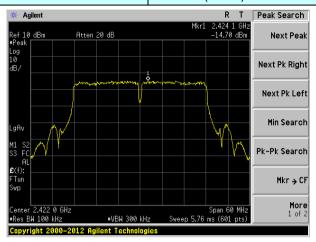
Middle channel



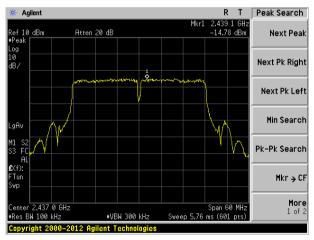
Highest channel



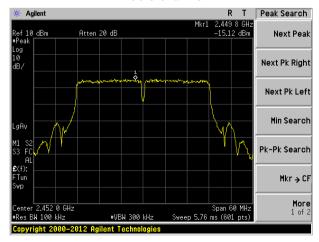
Test mode: 802.11n(HT40)



Lowest channel



Middle channel



Highest channel



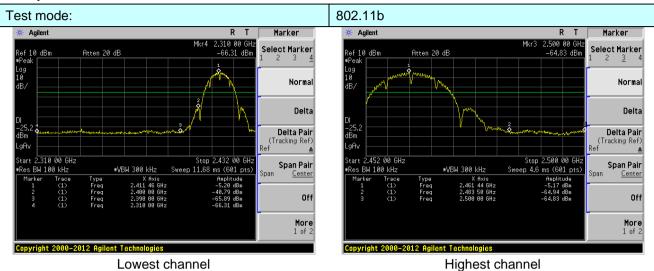
7.6 Band edges

7.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	ANSI C63.10:2009 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				

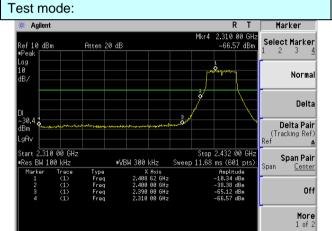


Test plot as follows:



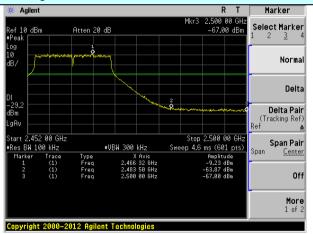
Lowest channel

802.11g



Lowest channel

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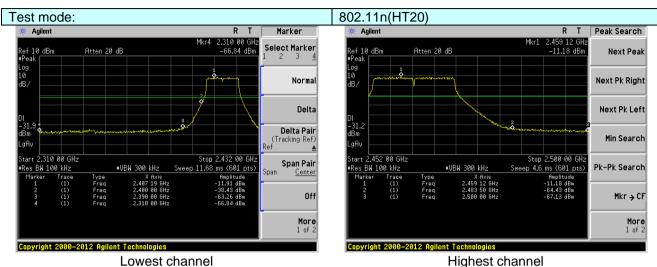


Highest channel



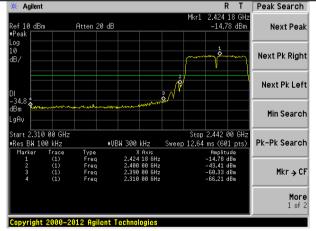
Test mode:

Report No.: GTSE15050080202



Lowest channel

802.11n(HT40)



Lowest channel



Highest channel

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7.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205							
Test Method:	ANSI C63.10:2009							
Test Frequency Range:		All of the restrict bands were tested, only the worst band's (2310MHz to						
	2500MHz) data							
Test site:	Measurement D	istance: 3m						
Receiver setup:	Frequency	Detector	RBW	VBW	Value			
	Above 1GHz	Peak	1MHz	3MHz	Peak			
11.5		RMS	1MHz	3MHz	Average			
Limit:	Freque	ncy	Limit (dBuV/		Value			
	Above 1	GHz -	54.0		Average			
Test setup:			74.0	U	Peak			
	EUT Turn Table	Turn 0 8m lm						
Test Procedure:	the ground a determine the 2. The EUT was antenna, whi tower. 3. The antenna ground to de horizontal an measurement. 4. For each sus and then the and the rotathe maximum. 5. The test-recest specified Ba. 6. If the emission the limit specified ba. 6. If the emission the EUT whave 10dB meak or average sheet.	 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 						
Test Instruments:	Refer to section							
Test mode:	Refer to section 5.3 for details							
Test results:	Pass							

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Measurement data:

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

Test mode:		802.1	1b	T	est channel:	L	_owest	
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
2390.00	52.53	27.59	5.38	34.01	51.49	74.00	-22.51	Horizontal
2400.00	61.84	27.58	5.39	34.01	60.80	74.00	-13.20	Horizontal
2390.00	54.27	27.59	5.38	34.01	53.23	74.00	-20.77	Vertical
2400.00	63.87	27.58	5.39	34.01	62.83	74.00	-11.17	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	39.04	27.59	5.38	34.01	38.00	54.00	-16.00	Horizontal
2400.00	47.43	27.58	5.39	34.01	46.39	54.00	-7.61	Horizontal
2390.00	40.93	27.59	5.38	34.01	39.89	54.00	-14.11	Vertical
2400.00	48.62	27.58	5.39	34.01	47.58	54.00	-6.42	Vertical
Test mode:		802.1	1b	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	53.56	27.53	5.47	33.92	52.64	74.00	-21.36	Horizontal
2500.00	49.11	27.55	5.49	29.93	52.22	74.00	-21.78	Horizontal
2483.50	56.00	27.53	5.47	33.92	55.08	74.00	-18.92	Vertical
2500.00	51.79	27.55	5.49	29.93	54.90	74.00	-19.10	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
2483.50	39.53	27.53	5.47	33.92	38.61	54.00	-15.39	Horizontal

2500.00 Remark:

2500.00

2483.50

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

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.

29.93

33.92

29.93

38.58

40.64

40.49

54.00

54.00

54.00

35.47

41.56

37.38

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27.55

27.53

27.55

-15.42

-13.36

-13.51

Horizontal

Vertical

Vertical



Test mode:		802.1	1g	Te	st channel:	L	owest	
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
2390.00	52.38	27.59	5.38	34.01	51.34	74.00	-22.66	Horizontal
2400.00	61.64	27.58	5.39	34.01	60.60	74.00	-13.40	Horizontal
2390.00	54.11	27.59	5.38	34.01	53.07	74.00	-20.93	Vertical
2400.00	63.63	27.58	5.39	34.01	62.59	74.00	-11.41	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	38.93	27.59	5.38	34.01	37.89	54.00	-16.11	Horizontal
2400.00	47.30	27.58	5.39	34.01	46.26	54.00	-7.74	Horizontal
2390.00	40.81	27.59	5.38	34.01	39.77	54.00	-14.23	Vertical
2400.00	48.48	27.58	5.39	34.01	47.44	54.00	-6.56	Vertical
Test mode:		802.1	1g	Te	st channel:	F	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	53.35	27.53	5.47	33.92	52.43	74.00	-21.57	Horizontal
2500.00	48.94	27.55	5.49	29.93	52.05	74.00	-21.95	Horizontal
2483.50	55.76	27.53	5.47	33.92	54.84	74.00	-19.16	Vertical
2500.00	51.59	27.55	5.49	29.93	54.70	74.00	-19.30	Vertical
Average va	lue:	,		7	1	ı	1	1
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
			E 17	33.92	38.48	54.00	-15.52	Horizontal
2483.50	39.40	27.53	5.47	00.02				
2483.50 2500.00	39.40 35.37	27.53 27.55	5.47	29.93	38.48	54.00	-15.52	Horizontal
						54.00 54.00	-15.52 -13.50	Horizontal Vertical
2500.00	35.37	27.55	5.49	29.93	38.48			1

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

Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier 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.: GTSE15050080202

Lowest

(MHZ) (dBUV) (dB/m) (dB) (dB) (dB/m)				- /	_				
Frequency (MHz)	Peak value:								_
Antenna		Level	Factor	Loss	Factor			Limit	Polarization
2390.00 54.78 27.59 5.38 34.01 53.74 74.00 -20.26 Vertical	2390.00	53.00	27.59	5.38	34.01	51.96	74.00	-22.04	Horizontal
Average value: Frequency (MHz)	2400.00	62.47	27.58	5.39	34.01	61.43	74.00	-12.57	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 (dB) 2390.00 39.38 27.59 5.38 34.01 38.34 54.00 -15.66 Horizontal 2400.00 47.82 27.58 5.39 34.01 46.78 54.00 -7.22 Horizontal 2390.00 41.30 27.59 5.38 34.01 40.26 54.00 -13.74 Vertical Test mode: 802.11n(HT20) Test channel: Highest Highest Peak value: Frequency (MHz) (dBW) Read Level (dBW/m) (dB) Level (dBW/m) (dBW/m) (dBW/m) Cover Limit Line (dBW/m) Over Limit Line (dBW/m) Polarization (dBW/m) Polarization (dBW/m) Antenna (dBW/m) Factor (dBW/m) Factor (dBW/m) Level (dBW/m) Level (dBW/m) Factor (dBW/m) Polarization (dBW/m) Polarization (dBW/m) Polarization (dBW/m) Polarization (dBW/m) Polarization (dBW/m) Polarization (dBW/m)<	2390.00	54.78	27.59	5.38	34.01	53.74	74.00	-20.26	Vertical
Frequency (MHz) Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) Preamp Factor (dB) Level (dBuV/m) Limit Line (dB) Over Limit Line	2400.00	64.64	27.58	5.39	34.01	63.60	74.00	-10.40	Vertical
Frequency (MHz)	Average va	lue:		•	•	•			
2400.00		Level	Factor	Loss	Factor			Limit	Polarization
2390.00	2390.00	39.38	27.59	5.38	34.01	38.34	54.00	-15.66	Horizontal
Test mode:	2400.00	47.82	27.58	5.39	34.01	46.78	54.00	-7.22	Horizontal
Test mode: 802.11n(HT20) Test channel: Highest Peak value: Frequency (MHz) Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB/m) Preamp Factor (dB/m) Level (dB/mV/m) Limit Line (dB/mV/m) Over Limit (dB) Polarization 2483.50 54.24 27.53 5.47 33.92 53.32 74.00 -20.68 Horizontal 2500.00 49.64 27.55 5.49 29.93 52.75 74.00 -21.25 Horizontal 2483.50 56.78 27.53 5.47 33.92 55.86 74.00 -18.14 Vertical Average value: Frequency (MHz) Read Level (dB/m) Cable Factor (dB) Preamp Factor (dB) Level (dBuV/m) Cimit Line (dBuV/m) Over Limit (dB) Polarization 2483.50 39.95 27.53 5.47 33.92 39.03 54.00 -14.97 Horizontal 2500.00 35.79 27.55 5.49 29.93 38.90 54.00 -14.97 Horizontal	2390.00	41.30	27.59	5.38	34.01	40.26	54.00	-13.74	Vertical
Peak value: Frequency (MHz) Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) Preamp Factor (dB/m) Level (dB/m) Limit Line (dB/m) Over Limit Line (dB/m) Polarization 2483.50 54.24 27.53 5.47 33.92 53.32 74.00 -20.68 Horizontal 2500.00 49.64 27.55 5.49 29.93 52.75 74.00 -21.25 Horizontal 2483.50 56.78 27.53 5.47 33.92 55.86 74.00 -18.14 Vertical 2500.00 52.40 27.55 5.49 29.93 55.51 74.00 -18.49 Vertical Average value: Frequency (MHz) Read Level (dB/m) Cable Loss (dB) Preamp Factor (dB) Level (dBuV/m) Limit Line (dBuV/m) Over Limit (dB) Polarization 2483.50 39.95 27.53 5.47 33.92 39.03 54.00 -14.97 Horizontal 2500.00 35.79 27.55 5.49 29.93	2400.00	49.05	27.58	5.39	34.01	48.01	54.00	-5.99	Vertical
Peak value: Frequency (MHz) Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) Preamp Factor (dB/m) Level (dB/m) Limit Line (dB/m) Over Limit Line (dB/m) Polarization 2483.50 54.24 27.53 5.47 33.92 53.32 74.00 -20.68 Horizontal 2500.00 49.64 27.55 5.49 29.93 52.75 74.00 -21.25 Horizontal 2483.50 56.78 27.53 5.47 33.92 55.86 74.00 -18.14 Vertical 2500.00 52.40 27.55 5.49 29.93 55.51 74.00 -18.49 Vertical Average value: Frequency (MHz) Read Level (dB/m) Cable Loss (dB) Preamp Factor (dB) Level (dBuV/m) Limit Line (dBuV/m) Over Limit (dB) Polarization 2483.50 39.95 27.53 5.47 33.92 39.03 54.00 -14.97 Horizontal 2500.00 35.79 27.55 5.49 29.93			•	•	•	•	•	•	
Frequency (MHz) Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) Preamp Factor (dB) Level (dBuV/m) Limit Line (dBuV/m) Over Limit Limit (dB) Polarization (dB) 2483.50 54.24 27.53 5.47 33.92 53.32 74.00 -20.68 Horizontal 2500.00 49.64 27.55 5.49 29.93 52.75 74.00 -21.25 Horizontal 2483.50 56.78 27.53 5.47 33.92 55.86 74.00 -18.14 Vertical 2500.00 52.40 27.55 5.49 29.93 55.51 74.00 -18.49 Vertical Average value: Frequency (MHz) (dBuV) Read Level (dBuV) Cable Loss (dB) Preamp Factor (dB) Level (dBuV/m) Limit Line (dBuV/m) Over Limit (dB) Polarization (dB) 2483.50 39.95 27.53 5.47 33.92 39.03 54.00 -14.97 Horizontal 2500.00 35.79 27.55 5.49 29.93 38.90 54.00	Test mode:		802.1	11n(HT20)	Te	est channel:	H	Highest	
Frequency (MHz) Level (dBuV) (dB/m) Loss (dB) Factor (dB) (dBuV/m) (dBuV/m) (dBuV/m) Limit (dB) Polarization	Peak value:	:							
2500.00 49.64 27.55 5.49 29.93 52.75 74.00 -21.25 Horizontal 2483.50 56.78 27.53 5.47 33.92 55.86 74.00 -18.14 Vertical 2500.00 52.40 27.55 5.49 29.93 55.51 74.00 -18.49 Vertical Average value: Frequency (MHz) (dBWV) Antenna Factor (dB/m) Cable Loss (dB) Level (dBuV/m) Limit Line (dBuV/m) Over Limit (dB) Polarization 2483.50 39.95 27.53 5.47 33.92 39.03 54.00 -14.97 Horizontal 2500.00 35.79 27.55 5.49 29.93 38.90 54.00 -15.10 Horizontal 2483.50 42.01 27.53 5.47 33.92 41.09 54.00 -12.91 Vertical 2500.00 37.72 27.55 5.49 29.93 40.83 54.00 -13.17 Vertical		Level	Factor	Loss	Factor			Limit	Polarization
2483.50 56.78 27.53 5.47 33.92 55.86 74.00 -18.14 Vertical 2500.00 52.40 27.55 5.49 29.93 55.51 74.00 -18.49 Vertical Average value: Frequency (MHz) Read Level (dBwV) Antenna Factor (dB/m) Cable Loss (dB) Level (dBwV/m) Limit Line (dBwV/m) Over Limit (dB) Polarization 2483.50 39.95 27.53 5.47 33.92 39.03 54.00 -14.97 Horizontal 2500.00 35.79 27.55 5.49 29.93 38.90 54.00 -15.10 Horizontal 2483.50 42.01 27.53 5.47 33.92 41.09 54.00 -12.91 Vertical 2500.00 37.72 27.55 5.49 29.93 40.83 54.00 -13.17 Vertical	2483.50	54.24	27.53	5.47	33.92	53.32	74.00	-20.68	Horizontal
2500.00 52.40 27.55 5.49 29.93 55.51 74.00 -18.49 Vertical Average value: Frequency (MHz) Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) Preamp Factor (dBuV/m) Level (dBuV/m) Limit Line (dBuV/m) Over Limit (dB) Polarization 2483.50 39.95 27.53 5.47 33.92 39.03 54.00 -14.97 Horizontal 2500.00 35.79 27.55 5.49 29.93 38.90 54.00 -15.10 Horizontal 2483.50 42.01 27.53 5.47 33.92 41.09 54.00 -12.91 Vertical 2500.00 37.72 27.55 5.49 29.93 40.83 54.00 -13.17 Vertical	2500.00	49.64	27.55	5.49	29.93	52.75	74.00	-21.25	Horizontal
Average value: Frequency (MHz) Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) Preamp Factor (dBuV/m) Level (dBuV/m) Limit Line (dBuV/m) Over Limit (dB) Polarization 2483.50 39.95 27.53 5.47 33.92 39.03 54.00 -14.97 Horizontal 2500.00 35.79 27.55 5.49 29.93 38.90 54.00 -15.10 Horizontal 2483.50 42.01 27.53 5.47 33.92 41.09 54.00 -12.91 Vertical 2500.00 37.72 27.55 5.49 29.93 40.83 54.00 -13.17 Vertical	2483.50	56.78	27.53	5.47	33.92	55.86	74.00	-18.14	Vertical
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 39.95 27.53 5.47 33.92 39.03 54.00 -14.97 Horizontal 2500.00 35.79 27.55 5.49 29.93 38.90 54.00 -15.10 Horizontal 2483.50 42.01 27.53 5.47 33.92 41.09 54.00 -12.91 Vertical 2500.00 37.72 27.55 5.49 29.93 40.83 54.00 -13.17 Vertical	2500.00	52.40	27.55	5.49	29.93	55.51	74.00	-18.49	Vertical
Frequency (MHz)	Average va	lue:			_				
2500.00 35.79 27.55 5.49 29.93 38.90 54.00 -15.10 Horizontal 2483.50 42.01 27.53 5.47 33.92 41.09 54.00 -12.91 Vertical 2500.00 37.72 27.55 5.49 29.93 40.83 54.00 -13.17 Vertical		Level	Factor	Loss	Factor			Limit	Polarization
2483.50 42.01 27.53 5.47 33.92 41.09 54.00 -12.91 Vertical 2500.00 37.72 27.55 5.49 29.93 40.83 54.00 -13.17 Vertical	2483.50	39.95	27.53	5.47	33.92	39.03	54.00	-14.97	Horizontal
2500.00 37.72 27.55 5.49 29.93 40.83 54.00 -13.17 Vertical	2500.00	35.79	27.55	5.49	29.93	38.90	54.00	-15.10	Horizontal
	2483.50	42.01	27.53	5.47	33.92	41.09	54.00	-12.91	Vertical
Remark:	2500.00 Remark:	37.72	27.55	5.49	29.93	40.83	54.00	-13.17	Vertical

Test channel:

802.11n(HT20)

Remark.

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^{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:

Report No.: GTSE15050080202

Lowest

root modo.		002.1	()	. 0	ot oriarinoi.	-	-011001	
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	50.55	27.59	5.38	34.01	49.51	74.00	-24.49	Horizontal
2400.00	59.19	27.58	5.39	34.01	58.15	74.00	-15.85	Horizontal
2390.00	52.15	27.59	5.38	34.01	51.11	74.00	-22.89	Vertical
2400.00	60.69	27.58	5.39	34.01	59.65	74.00	-14.35	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	37.63	27.59	5.38	34.01	36.59	54.00	-17.41	Horizontal
2400.00	45.80	27.58	5.39	34.01	44.76	54.00	-9.24	Horizontal
2390.00	39.36	27.59	5.38	34.01	38.32	54.00	-15.68	Vertical
2400.00	46.84	27.58	5.39	34.01	45.80	54.00	-8.20	Vertical
Test mode:		802.1	1n(HT40)	Te	st channel:	H	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	50.73	27.53	5.47	33.92	49.81	74.00	-24.19	Horizontal
2500.00	46.91	27.55	5.49	29.93	50.02	74.00	-23.98	Horizontal
2483.50	52.77	27.53	5.47	33.92	51.85	74.00	-22.15	Vertical
2500.00	49.21	27.55	5.49	29.93	52.32	74.00	-21.68	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
2483.50	37.82	27.53	5.47	33.92	36.90	54.00	-17.10	Horizontal
2500.00	34.14	27.55	5.49	29.93	37.25	54.00	-16.75	Horizontal
2483.50	39.67	27.53	5.47	33.92	38.75	54.00	-15.25	Vertical
2500.00 Remark:	35.97	27.55	5.49	29.93	39.08	54.00	-14.92	Vertical
	, 5				0 1 1 1	5 ""		

Test channel:

802.11n(HT40)

1.

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Room 301-309, 3th Floor, Block A, Huafeng Jinyuan Business Building,
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Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

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

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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 C63.10:2009 and KDB558074 D01 DTS Meas Guidance V03				
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 6.0 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Pass				

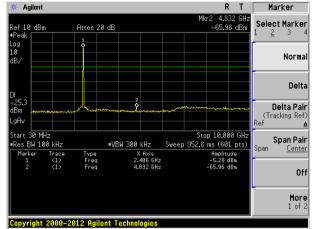


Test plot as follows:

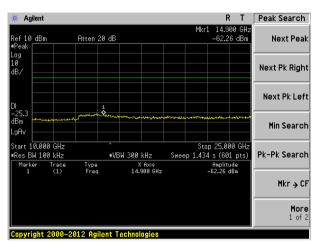
Test mode:

802.11b

Lowest channel

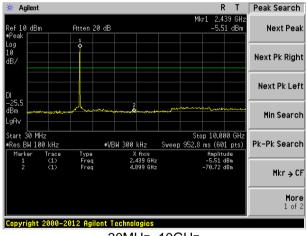


30MHz~10GHz

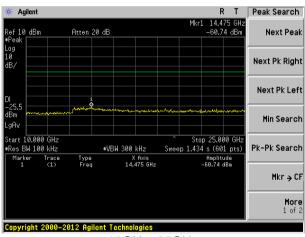


10GHz~25GHz

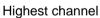
Middle channel

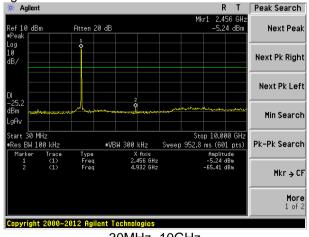


30MHz~10GHz

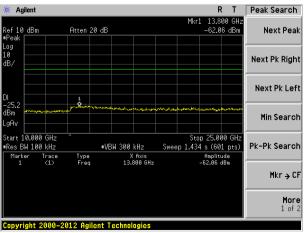


10GHz~25GHz





30MHz~10GHz



10GHz~25GHz

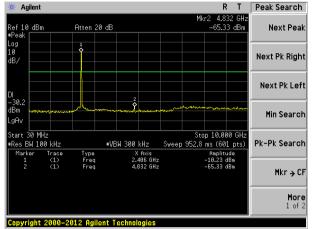
Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



Test mode:

802.11g

Lowest channel

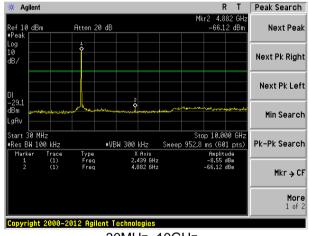


30MHz~10GHz

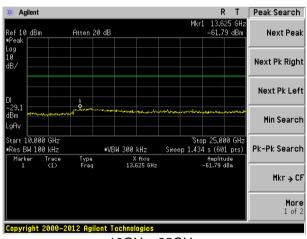
R T Peak Search * Agilent Ref 10 dBm Atten 20 dE Next Peak Next Pk Right Next Pk Left Min Search Start 10.000 GHz Res BW 100 kHz Stop 25.000 GHz Sweep 1.434 s (601 pts) #VBW 300 kHz Pk-Pk Search X Axis 13.475 GHz Mkr → CF More 1 of 2 Copyright 2000-2012 Agilent Technologies

10GHz~25GHz

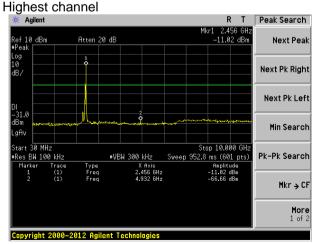
Middle channel



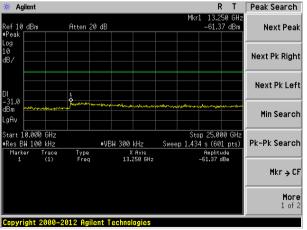
30MHz~10GHz



10GHz~25GHz



30MHz~10GHz



10GHz~25GHz

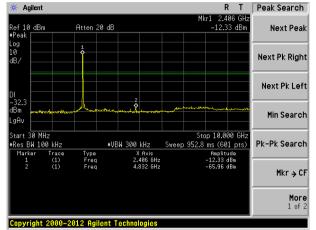
Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



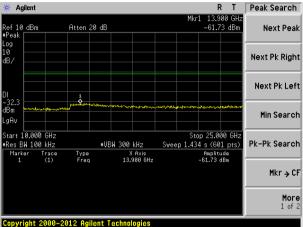
Test mode:

802.11n(HT20)

Lowest channel

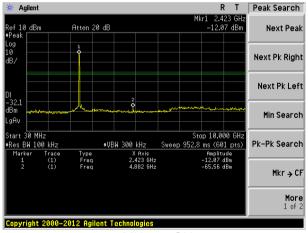


30MHz~10GHz

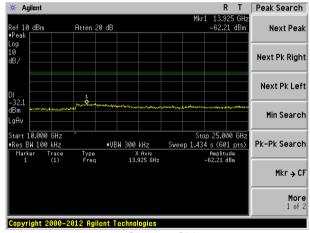


10GHz~25GHz

Middle channel

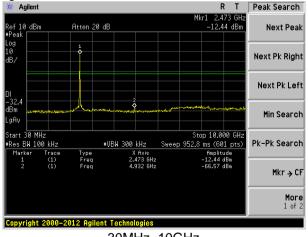


30MHz~10GHz

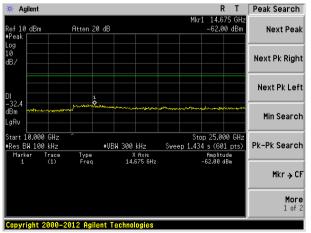


10GHz~25GHz

Highest channel



30MHz~10GHz



10GHz~25GHz

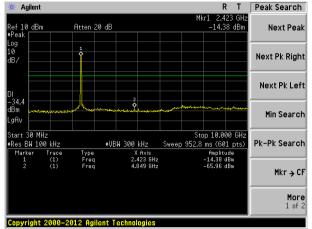
Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



Test mode:

802.11n(HT40)

Lowest channel

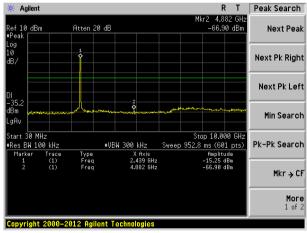


30MHz~10GHz

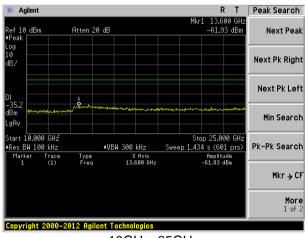
* Agilent R T Peak Search 14.350 GH: -61.22 dBm Atten 20 dB Next Peak Next Pk Right Next Pk Left Min Search Center 17.500 GHz •Res BW 100 kHz Span 15 GHz Sweep 1.434 s (601 pts) Pk-Pk Search . VBW 300 kHz Amplitude -61.22 dBm X fixis 14.350 GHz Mkr → CF Copyright 2000-2012 Agilent Technologies

10GHz~25GHz

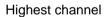
Middle channel

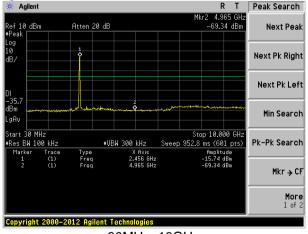


30MHz~10GHz

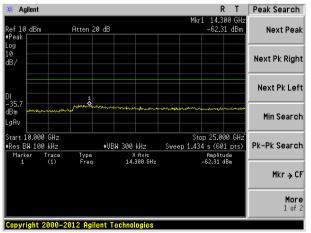


10GHz~25GHz





30MHz~10GHz



10GHz~25GHz

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



7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209							
Test Method:	ANSI C63.10:2009							
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						
	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	211-7	54.0	0	Average			
	Above 10)	74.0	0	Peak			
Test setup:	Below 1GHz Tum Table Ground Plane Above 1GHz	4m		Antenna Tower Search Antenna RF Test Receiver				



	Antenna Tower Horn Antenna Spectrum Analyzer Turn Table 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.
	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

- DCIOW I								
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
39.30	38.08	15.39	0.65	30.05	24.07	40.00	-15.93	Vertical
78.97	28.98	10.43	1.02	29.80	10.63	40.00	-29.37	Vertical
134.56	50.17	10.56	1.47	29.49	32.71	43.50	-10.79	Vertical
237.48	38.89	13.99	2.06	29.54	25.40	46.00	-20.60	Vertical
408.95	34.98	17.26	2.90	29.48	25.66	46.00	-20.34	Vertical
768.75	25.16	21.68	4.35	29.20	21.99	46.00	-24.01	Vertical
34.04	27.35	14.31	0.60	30.08	12.18	40.00	-27.82	Horizontal
75.18	27.04	9.86	0.99	29.82	8.07	40.00	-31.93	Horizontal
166.65	40.59	10.87	1.67	29.33	23.80	43.50	-19.70	Horizontal
372.01	39.96	16.53	2.72	29.63	29.58	46.00	-16.42	Horizontal
562.66	27.84	19.83	3.57	29.30	21.94	46.00	-24.06	Horizontal
903.31	24.84	23.12	4.87	29.10	23.73	46.00	-22.27	Horizontal



■ Above 1GHz

Test mode:		802.11b		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
4824.00	41.38	31.79	8.62	32.10	49.69	74.00	-24.31	Vertical
7236.00	34.91	36.19	11.68	31.97	50.81	74.00	-23.19	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	39.88	31.79	8.62	32.10	48.19	74.00	-25.81	Horizontal
7236.00	34.57	36.19	11.68	31.97	50.47	74.00	-23.53	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								
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	30.38	31.79	8.62	32.10	38.69	54.00	-15.31	Vertical
7236.00	23.75	36.19	11.68	31.97	39.65	54.00	-14.35	Vertical
9648.00	23.53	38.07	14.16	31.56	44.20	54.00	-9.80	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	29.36	31.79	8.62	32.10	37.67	54.00	-16.33	Horizontal
7236.00	23.13	36.19	11.68	31.97	39.03	54.00	-14.97	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
16884.00	*					54.00		Horizontal

Remark:

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

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



Test mode:		802.11b		Test	channel:	Midd	le	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	40.25	31.85	8.66	32.12	48.64	74.00	-25.36	Vertical
7311.00	34.86	36.37	11.71	31.91	51.03	74.00	-22.97	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	40.59	31.85	8.66	32.12	48.98	74.00	-25.02	Horizontal
7311.00	33.43	36.37	11.71	31.91	49.60	74.00	-24.40	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)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	31.03	31.85	8.66	32.12	39.42	54.00	-14.58	Vertical
7311.00	23.16	36.37	11.71	31.91	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	22.50	36.37	11.71	31.91	38.67	54.00	-15.33	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. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11b		Test	channel:	Highe	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	46.43	31.90	8.70	32.15	54.88	74.00	-19.12	Vertical
7386.00	35.95	36.49	11.76	31.83	52.37	74.00	-21.63	Vertical
9848.00	37.73	38.62	14.31	31.77	58.89	74.00	-15.11	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	45.50	31.90	8.70	32.15	53.95	74.00	-20.05	Horizontal
7386.00	34.72	36.49	11.76	31.83	51.14	74.00	-22.86	Horizontal
9848.00	33.85	38.62	14.31	31.77	55.01	74.00	-18.99	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal
Average val					_			
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	37.23	31.90	8.70	32.15	45.68	54.00	-8.32	Vertical
7386.00	25.83	36.49	11.76	31.83	42.25	54.00	-11.75	Vertical
9848.00	26.20	38.62	14.31	31.77	47.36	54.00	-6.64	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	35.78	31.90	8.70	32.15	44.23	54.00	-9.77	Horizontal
7386.00	24.09	36.49	11.76	31.83	40.51	54.00	-13.49	Horizontal
9848.00	23.08	38.62	14.31	31.77	44.24	54.00	-9.76	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*	_				54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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

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



Test mode:		802.11g		Test	channel:	lowes	st	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	40.03	31.79	8.62	32.10	48.34	74.00	-25.66	Vertical
7236.00	34.05	36.19	11.68	31.97	49.95	74.00	-24.05	Vertical
9648.00	32.59	38.07	14.16	31.56	53.26	74.00	-20.74	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.74	31.79	8.62	32.10	47.05	74.00	-26.95	Horizontal
7236.00	33.82	36.19	11.68	31.97	49.72	74.00	-24.28	Horizontal
9648.00	32.18	38.07	14.16	31.56	52.85	74.00	-21.15	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	29.13	31.79	8.62	32.10	37.44	54.00	-16.56	Vertical
7236.00	22.92	36.19	11.68	31.97	38.82	54.00	-15.18	Vertical
9648.00	22.95	38.07	14.16	31.56	43.62	54.00	-10.38	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertica
4824.00	28.29	31.79	8.62	32.10	36.60	54.00	-17.40	Horizontal
7236.00	22.41	36.19	11.68	31.97	38.31	54.00	-15.69	Horizontal
9648.00	21.93	38.07	14.16	31.56	42.60	54.00	-11.40	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*	_				54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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



Test mode:		802.11g		Test	channel:	Midd	le	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	39.13	31.85	8.66	32.12	47.52	74.00	-26.48	Vertical
7311.00	34.15	36.37	11.71	31.91	50.32	74.00	-23.68	Vertical
9748.00	33.63	38.27	14.25	31.56	54.59	74.00	-19.41	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.64	31.85	8.66	32.12	48.03	74.00	-25.97	Horizontal
7311.00	32.81	36.37	11.71	31.91	48.98	74.00	-25.02	Horizontal
9748.00	33.53	38.27	14.25	31.56	54.49	74.00	-19.51	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	30.00	31.85	8.66	32.12	38.39	54.00	-15.61	Vertical
7311.00	22.47	36.37	11.71	31.91	38.64	54.00	-15.36	Vertical
9748.00	22.89	38.27	14.25	31.56	43.85	54.00	-10.15	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.77	31.85	8.66	32.12	38.16	54.00	-15.84	Horizontal
7311.00	21.90	36.37	11.71	31.91	38.07	54.00	-15.93	Horizontal
9748.00	23.25	38.27	14.25	31.56	44.21	54.00	-9.79	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:	Highe	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	44.50	31.90	8.70	32.15	52.95	74.00	-21.05	Vertical
7386.00	34.73	36.49	11.76	31.83	51.15	74.00	-22.85	Vertical
9848.00	36.86	38.62	14.31	31.77	58.02	74.00	-15.98	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	43.87	31.90	8.70	32.15	52.32	74.00	-21.68	Horizontal
7386.00	33.66	36.49	11.76	31.83	50.08	74.00	-23.92	Horizontal
9848.00	33.04	38.62	14.31	31.77	54.20	74.00	-19.80	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	35.45	31.90	8.70	32.15	43.90	54.00	-10.10	Vertical
7386.00	24.65	36.49	11.76	31.83	41.07	54.00	-12.93	Vertical
9848.00	25.37	38.62	14.31	31.77	46.53	54.00	-7.47	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	34.25	31.90	8.70	32.15	42.70	54.00	-11.30	Horizontal
7386.00	23.05	36.49	11.76	31.83	39.47	54.00	-14.53	Horizontal
9848.00	22.31	38.62	14.31	31.77	43.47	54.00	-10.53	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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

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



Test mode:		802.11n(H	IT20)	Test	channel:	Lowe	est	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	40.75	31.79	8.62	32.10	49.06	74.00	-24.94	Vertical
7236.00	34.51	36.19	11.68	31.97	50.41	74.00	-23.59	Vertical
9648.00	32.92	38.07	14.16	31.56	53.59	74.00	-20.41	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	39.35	31.79	8.62	32.10	47.66	74.00	-26.34	Horizontal
7236.00	34.22	36.19	11.68	31.97	50.12	74.00	-23.88	Horizontal
9648.00	32.48	38.07	14.16	31.56	53.15	74.00	-20.85	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	29.80	31.79	8.62	32.10	38.11	54.00	-15.89	Vertical
7236.00	23.36	36.19	11.68	31.97	39.26	54.00	-14.74	Vertical
9648.00	23.26	38.07	14.16	31.56	43.93	54.00	-10.07	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	28.86	31.79	8.62	32.10	37.17	54.00	-16.83	Horizontal
7236.00	22.79	36.19	11.68	31.97	38.69	54.00	-15.31	Horizontal
9648.00	22.22	38.07	14.16	31.56	42.89	54.00	-11.11	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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



Test mode:		802.11n(H	IT20)	Test	channel:	Midd	le	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	39.73	31.85	8.66	32.12	48.12	74.00	-25.88	Vertical
7311.00	34.53	36.37	11.71	31.91	50.70	74.00	-23.30	Vertical
9748.00	33.90	38.27	14.25	31.56	54.86	74.00	-19.14	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	40.15	31.85	8.66	32.12	48.54	74.00	-25.46	Horizontal
7311.00	33.14	36.37	11.71	31.91	49.31	74.00	-24.69	Horizontal
9748.00	33.78	38.27	14.25	31.56	54.74	74.00	-19.26	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	30.55	31.85	8.66	32.12	38.94	54.00	-15.06	Vertical
7311.00	22.83	36.37	11.71	31.91	39.00	54.00	-15.00	Vertical
9748.00	23.15	38.27	14.25	31.56	44.11	54.00	-9.89	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	30.24	31.85	8.66	32.12	38.63	54.00	-15.37	Horizontal
7311.00	22.22	36.37	11.71	31.91	38.39	54.00	-15.61	Horizontal
9748.00	23.49	38.27	14.25	31.56	44.45	54.00	-9.55	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

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

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



Test mode:		802.11n(H	IT20)	Test	channel:	Highe	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	45.53	31.90	8.70	32.15	53.98	74.00	-20.02	4924.00
7386.00	35.37	36.49	11.76	31.83	51.79	74.00	-22.21	7386.00
9848.00	37.32	38.62	14.31	31.77	58.48	74.00	-15.52	9848.00
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	44.73	31.90	8.70	32.15	53.18	74.00	-20.82	Horizontal
7386.00	34.22	36.49	11.76	31.83	50.64	74.00	-23.36	Horizontal
9848.00	33.47	38.62	14.31	31.77	54.63	74.00	-19.37	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	36.39	31.90	8.70	32.15	44.84	54.00	-9.16	Vertical
7386.00	25.28	36.49	11.76	31.83	41.70	54.00	-12.30	Vertical
9848.00	25.81	38.62	14.31	31.77	46.97	54.00	-7.03	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	35.06	31.90	8.70	32.15	43.51	54.00	-10.49	Horizontal
7386.00	23.60	36.49	11.76	31.83	40.02	54.00	-13.98	Horizontal
9848.00	22.72	38.62	14.31	31.77	43.88	54.00	-10.12	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	38.76	31.81	8.63	32.11		47.09	74.00		-26.91	Vertical
7266.00	33.25	36.28	11.69	31.94		49.28	74.00		-24.72	Vertical
9688.00	32.02	38.13	14.21	31.52		52.84	74.00		-21.16	Vertical
12060.00	*						74.	00		Vertical
14472.00	*						74.	00		Vertical
16884.00	*						74.	00		Vertical
4844.00	37.67	31.81	8.63	32.11		46.00	74.	00	-28.00	Horizontal
7266.00	33.12	36.28	11.69	31.94		49.15	74.	00	-24.85	Horizontal
9688.00	31.65	38.13	14.21	31.52		52.47	74.	00	-21.53	Horizontal
12060.00	*						74.	00		Horizontal
14472.00	*						74.	00		Horizontal
16884.00	*						74.	00		Horizontal

Average value:

Average var	шо.							
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	27.96	31.81	8.63	32.11	36.29	54.00	-17.71	Vertical
7266.00	22.15	36.28	11.69	31.94	38.18	54.00	-15.82	Vertical
9688.00	22.40	38.13	14.21	31.52	43.22	54.00	-10.78	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4844.00	27.29	31.81	8.63	32.11	35.62	54.00	-18.38	Horizontal
7266.00	21.73	36.28	11.69	31.94	37.76	54.00	-16.24	Horizontal
9688.00	21.42	38.13	14.21	31.52	42.24	54.00	-11.76	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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



Test mode:		802.11n(H	IT40)		Test channel:		Middle			
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Level (dBuV/m)	Limit Line (dBuV/m)		Over Limit (dB)	polarization
4874.00	38.08	31.85	8.66	32.12		46.47	74.00		-27.53	Vertical
7311.00	33.49	36.37	11.71	31.91		49.66	74.	00	-24.34	Vertical
9748.00	33.16	38.27	14.25	31.56		54.12	74.00		-19.88	Vertical
12185.00	*						74.00			Vertical
14622.00	*						74.00			Vertical
17059.00	*						74.00			Vertical
4874.00	38.76	31.85	8.66	32.12		47.15	74.00		-26.85	Horizontal
7311.00	32.23	36.37	11.71	31.91		48.40	74.00		-25.60	Horizontal
9748.00	33.09	38.27	14.25	31.56		54.05	74.00		-19.95	Horizontal
12185.00	*						74.00			Horizontal
14622.00	*						74.00			Horizontal
17059.00	*						74.	00		Horizontal
Average val										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fa	eamp ector dB)	Level (dBuV/m)	Limit (dBu		Over Limit (dB)	polarization
4874.00	29.03	31.85	8.66	32	2.12	37.42	54.	00	-16.58	Vertical
7311.00	21.83	36.37	11.71	31	.91	38.00	54.	00	-16.00	Vertical
9748.00	22.44	38.27	14.25	31	.56	43.40	54.	00	-10.60	Vertical
12185.00	*						54.	00		Vertical
14622.00	*						54.	00		Vertical
17059.00	*						54.	00		Vertical
4874.00	28.94	31.85	8.66	32.12		37.33	54.	00	-16.67	Horizontal
7311.00	21.34	36.37	11.71	31.91		37.51	54.	00	-16.49	Horizontal
9748.00	22.83	38.27	14.25	31	.56	43.79	54.	00	-10.21	Horizontal
12185.00	*						54.	00		Horizontal
14622.00	*						54.	00		Horizontal
17059.00	*						54.	00		Horizontal

Remark:

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



Test mode:		802.11n(HT40)		Test	channel:	Highe	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	
4904.00	42.69	31.88	8.68	32.13	51.12	74.00	-22.88	Vertical	
7356.00	33.58	36.45	11.75	31.86	49.92	74.00	-24.08	Vertical	
9808.00	36.04	38.43	14.29	31.68	57.08	74.00	-16.92	Vertical	
12310.00	*					74.00		Vertical	
14772.00	*					74.00		Vertical	
17234.00	*					74.00		Vertical	
4904.00	42.34	31.88	8.68	32.13	50.77	74.00	-23.23	Horizontal	
7356.00	32.66	36.45	11.75	31.86	49.00	74.00	-25.00	Horizontal	
9808.00	32.29	38.43	14.29	31.68	53.33	74.00	-20.67	Horizontal	
12310.00	*					74.00		Horizontal	
14772.00	*					74.00		Horizontal	
17234.00	*					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	
4904.00	33.78	31.88	8.68	32.13	42.21	54.00	-11.79	Vertical	
7356.00	23.55	36.45	11.75	31.86	39.89	54.00	-14.11	Vertical	
9808.00	24.58	38.43	14.29	31.68	45.62	54.00	-8.38	Vertical	
12310.00	*					54.00		Vertical	
14772.00	*					54.00		Vertical	
17234.00	*					54.00		Vertical	
4904.00	32.82	31.88	8.68	32.13	41.25	54.00	-12.75	Horizontal	
7356.00	22.08	36.45	11.75	31.86	38.42	54.00	-15.58	Horizontal	
9808.00	21.58	38.43	14.29	31.68	42.62	54.00	-11.38	Horizontal	
12310.00	*					54.00		Horizontal	
14772.00	*					54.00		Horizontal	
17234.00	*					54.00		Horizontal	

Remark:

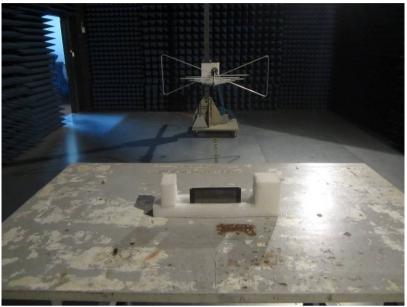
¹ Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

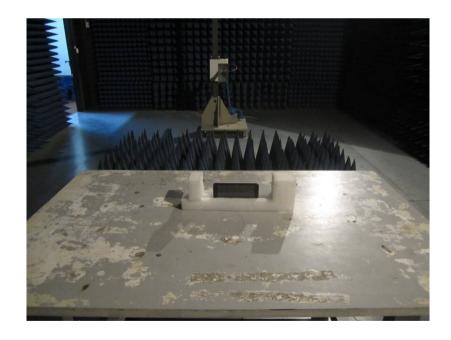
^{2 &}quot;*", means this data is the too weak instrument of signal is unable to test.



8 Test Setup Photo

Radiated Emission







Conducted Emission



9 EUT Constructional Details

Reference to the test report No. GTSE15050080201

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