FCC REPORT (WIFI)

Applicant: Shenzhen Contel Electronics Technology Co., Ltd.

Address of Applicant: 3/F, R2-A, High-tech Industrial Park, Nanshan District,

Shenzhen, China

Equipment Under Test (EUT)

Product Name: 10 Inch Tablet

TAB-1040, TAB-1040G, TPC-1040M, TAB-1040_G, Model No.:

TAB-1040E

FCC ID: YAPTAB1040

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

Date of sample receipt: 08 May., 2013

Date of Test: 09 May to 20 Jun., 2013

Date of report issued: 20 Jun., 2013

Test Result: PASS *

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

Authorized Signature:



Bruce Zhang 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 CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	20 Jun., 2013	Original

Prepared by:	Mila	Date:	20 Jun.,2013
	Report Clerk	_	
Reviewed by:	Lackey Li	Date:	20 Jun.,2013
	Project Engineer		



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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 Output Power	15.247 (b)(3)	Pass
26/6dB Emission 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:	Shenzhen Contel Electronics Technology Co., Ltd.
Address of Applicant:	3/F, R2-A, High-tech Industrial Park, Nanshan District, Shenzhen, China
Manufacturer:	Dongguan Contel Cloud Terminal System CO.,LTD
Address of Manufacturer:	Waijing Industrial Park, Gaolong road, GaobuTown, Dongguan,
	GuangDong

5.2 General Description of E.U.T.

Product Name:	10 Inch Tablet
Model No.:	TAB-1040, TAB-1040G, TPC-1040M, TAB-1040_G, TAB-1040E
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(H20))
Channel numbers:	11 for 802.11b/802.11g/802.11(H20)
Channel separation:	5MHz
Modulation technology: (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Modulation technology: (IEEE 802.11g/802.11n)	Orthogonal Frequency Division Multiplexing(OFDM)
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps,54Mbps
Data speed (IEEE 802.11n):	Up to 150Mbps
Antenna Type:	Internal Antenna
Antenna gain:	2 dBi
AC adapter:	Model: BSC 15-050210-UD
	Input: AC 100-240V, 50/60Hz 1.0A
	Output: DC 5.0V, 2.5A
Power supply:	Rechargeable Li-ion Battery DC3.7V/1200mAh
Remark:	The model No. TAB-1040, TAB-1040G, TPC-1040M, TAB-1040_G and TAB-1040E are identical in the same PCB layout, electrical circuit design and components used. The differences between them are model name, appearance of color. We selected TAB-1040 to perform the full tests.

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Operation Frequency each of channel For 802.11b/g/n(H20)								
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:

802.11b/802.11g/802.11n (H20)

Channel	Frequency
The lowest channel	2412MHz
The middle channel	2437MHz
The Highest channel	2462MHz

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5.3 Test environment and mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Operation mode	Keep the EUT in continuous transmitting with modulation

The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

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	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(H20)	6.5Mbps

Final Test Mode:

According to ANSI C63.4 standards, the test results are both the "worst case" and "worst setup" 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20). Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

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5.4 Laboratory Facility

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

● FCC - Registration No.: 817957

Shenzhen Zhongjian Nanfang Testing Co., Ltd. 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 out files. Registration 817957, February 27, 2012.

● IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

5.5 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

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5.6 Test Instruments list

Radi	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	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	June 09 2013	June 08 2014	
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	CCIS0002	N/A	N/A	
3	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	June 04 2013	June 03 2014	
4	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	May 30 2013	May 29 2014	
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	
6	Coaxial Cable	CCIS	N/A	CCIS0016	Apr. 01 2013	Mar. 31 2014	
7	Coaxial Cable	CCIS	N/A	CCIS0017	Apr. 01 2013	Mar. 31 2014	
8	Coaxial cable	CCIS	N/A	CCIS0018	Apr. 01 2013	Mar. 31 2014	
9	Coaxial Cable	CCIS	N/A	CCIS0019	Apr. 01 2013	Mar. 31 2014	
10	Coaxial Cable	CCIS	N/A	CCIS0087	Apr. 01 2013	Mar. 31 2014	
11	Amplifier(10kHz-1.3GHz)	HP	8447D	CCIS0003	Apr. 01 2013	Mar. 31 2014	
12	Amplifier(1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	June 09 2013	June 08 2014	
13	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	Apr. 01 2013	Mar. 31 2014	
14	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 30 2013	Mar. 29 2014	
15	Printer	HP	HP LaserJet P1007	N/A	N/A	N/A	
16	Positioning Controller	UC	UC3000	CCIS0015	N/A	N/A	
17	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP	CCIS0023	May. 29 2013	May. 28 2014	
18	Loop antenna	Laplace instrument	RF300	EMC0701	Aug. 12 2012	Aug. 11 2013	
19	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	May 25 2013	May 24 2014	
20	Signal analyzer	Rohde & Schwarz	FSIQ3	CCIS0088	May.29.2013	May.28.2014	

Cond	Conducted Emission:							
Item Test Equipment Manufacturer		Manufacturer	Madal Na	Inventory	Cal. Date	Cal. Due date		
iteiii	rest Equipment	Manufacturer	Model No.	No.	(mm-dd-yy)	(mm-dd-yy)		
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	June 09 2013	June 08 2014		
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	May 25 2013	May. 24 2014		
3	LISN	CHASE	MN2050D	CCIS0074	Apr. 01 2013	Mar. 31 2014		
4	Coaxial Cable	CCIS	N/A	CCIS0086	Apr. 01 2013	Mar. 31 2014		



6 Test results and Measurement Data

6.1 Antenna requirement:

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

15.203 requirement:

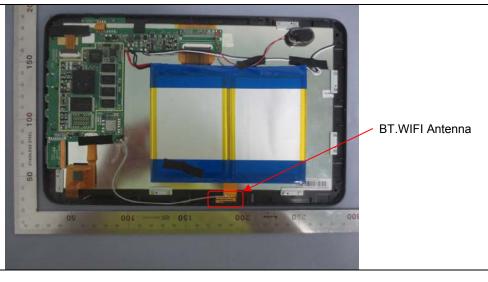
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit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



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6.2 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							
Limit:		Limit (c	dBuV)					
		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							
Test procedure	The E.U.T and simulators a line impedance stabilized 50ohm/50uH coupling im The peripheral devices as	ation network (L.I.S.N.) pedance for the measi). The provide a uring 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 setup:	Refere	ence Plane						
	Test table/Insulation pla Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilizatio		er — AC power					
Test Instruments:	Test table height=0.8m Refer to section 5.6 for details	<u> </u>						
Test mode:	Refer to section 5.3 for details							
Test results:	Passed)						

Measurement Data

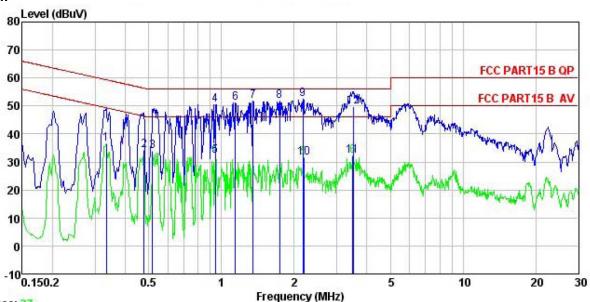
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Project No.: CCIS130500128RF

Neutral:



Trace: 27

Site

: CCIS Conducted Test Site : FCC PART15 B QP LISN NEUTRAL

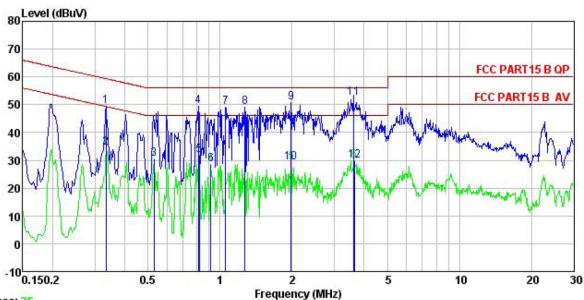
Condition Job No. EUT : 128RF : 10" Tablet Model : TAB-1040 Test Mode : Wifi mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 °C Huni:56% Atmos:101KPa
Test Engineer: Vincent

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∜	<u>dB</u>	dB	dBu∜	dBu∀	<u>dB</u>	
1	0.334	25.37	10.25	0.73	36.35	49.35	-13.00	Average
2	0.479	23.20	10.28	0.75	34.23	46.36	-12.13	Average
3	0.518	22.77	10.27	0.76	33.80	46.00	-12.20	Average
4	0.943	39.41	10.19	0.86	50.46	56.00	-5.54	QP
1 2 3 4 5 6 7 8 9	0.943	20.96	10.19	0.86	32.01	46.00	-13.99	Average
6	1.141	40.02	10.21	0.78	51.01	56.00	-4.99	QP
7	1.352	40.87	10.23	0.56	51.66	56.00	-4.34	QP
8	1.744	41.29	10.26	0.10	51.65	56.00	-4.35	QP
9	2.178	41.07	10.27	0.96	52.30	56.00	-3.70	QP
10	2.190	20.44	10.27	0.96	31.67	46.00	-14.33	Average
11	3.491	20.93	10.28	0.90	32.11	46.00	-13.89	Average
12	3.528	38.60	10.28	0.90	49.78	56.00	-6.22	QP

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Line:



Trace: 25

Site CCIS Conducted Test Site : FCC PART15 B QP LISN LINE Condition

Job No. : 128RF EUT : 10" Tablet Model : TAB-1040 Test Mode : Wifi mode Power Rating : AC 120V/60Hz

Environment : Temp: 23 °C Huni:56% Atmos:101KPa Test Engineer: Vincent

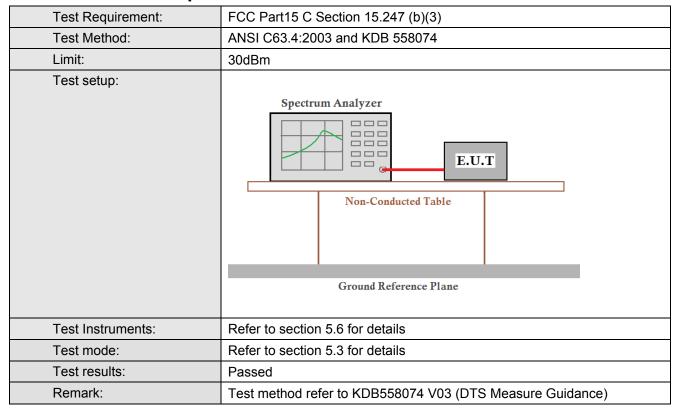
	200	Read Level		Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∜	<u>dB</u>	ā <u>ā</u>	dBu₹	dBu∇	<u>dB</u>	
1	0.334	38.42	10.27	0.73	49.42	59.35	-9.93	QP
2	0.334	23.59	10.27	0.73	34.59	49.35	-14.76	Average
3	0.529	19.59	10.26	0.76	30.61	46.00	-15.39	Average
1 2 3 4 5 6 7 8	0.813	38.39	10.19	0.81	49.39		-6.61	
5	0.817	20.70	10.19	0.81	31.70	46.00	-14.30	Average
6	0.914	17.59	10.20	0.85	28.64	46.00	-17.36	Average
7	1.054	38.14	10.21	0.84	49.19	56.00	-6.81	QP
8	1.269	38.11	10.23	0.66	49.00	56.00	-7.00	QP
	1.980	40.49	10.28	0.01	50.78	56.00	-5.22	QP
10	1.980	18.73	10.28	0.01	29.02	46.00	-16.98	Average
11	3.603	41.31	10.29	0.90	52.50	56.00	-3.50	QP
12	3.642	18.80	10.29	0.90	29.99	46.00	-16.01	Average

- 1. An initial pre-scan was performed on the live and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss

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6.3 Conducted Output Power



Measurement Data

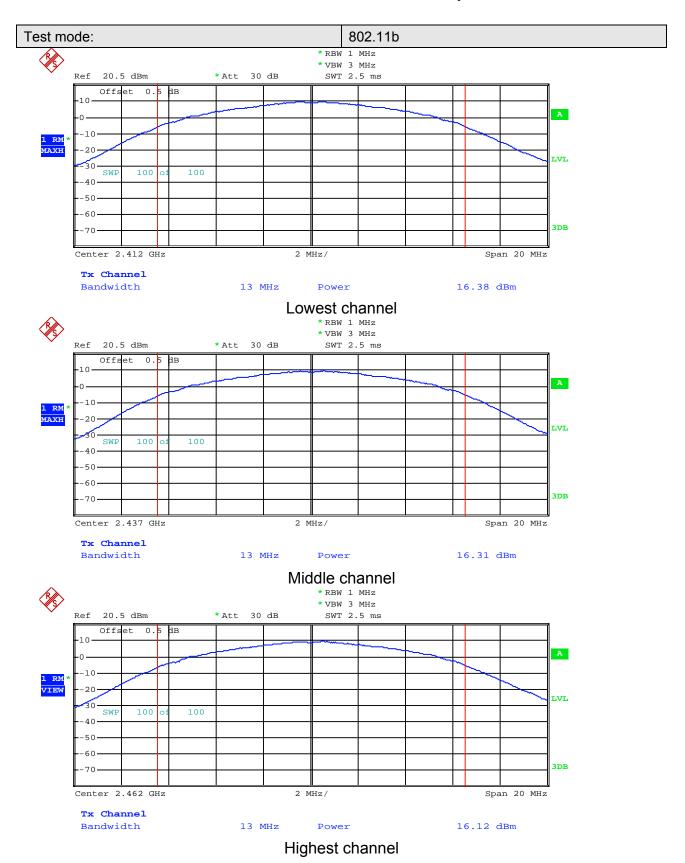
Table Old	Maximum	1.1 · · 21/ · ID · · ·)	D			
Test CH	802.11b	Limit(dBm)	Result			
Lowest	16.38	15.33	14.01			
Middle	16.31	15.18	13.89	30.00	Pass	
Highest	16.12	14.91	13.72			

Test plot as follows:

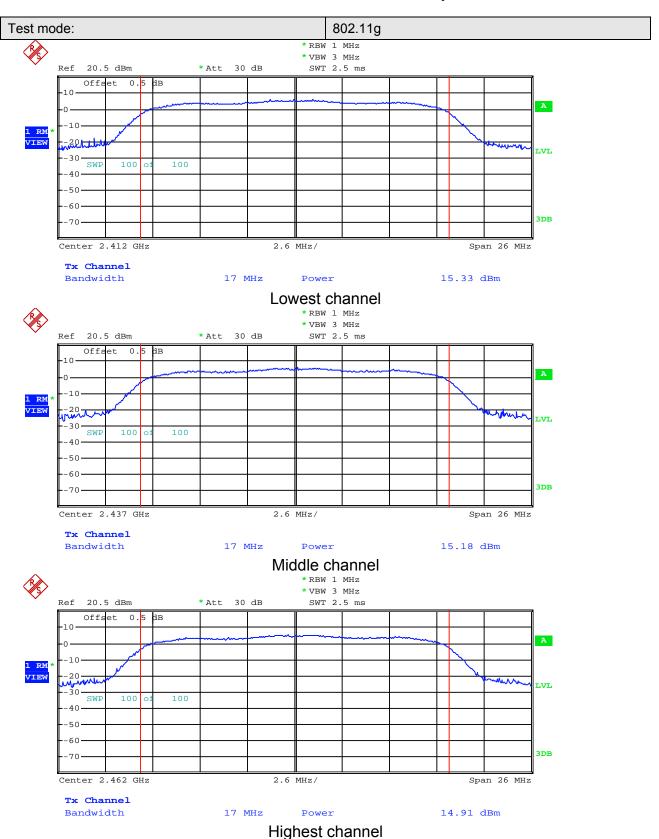
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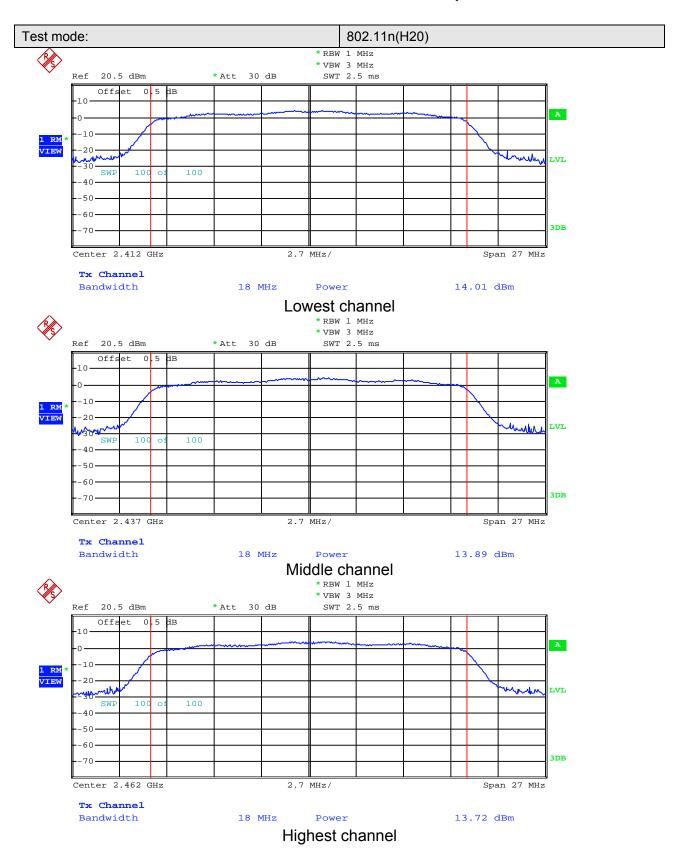






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6.4 Occupy Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)			
Test Method:	ANSI C63.4:2003 and KDB558074			
Limit:	>500kHz			
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane			
Test Instruments:	Refer to section 5.6 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Passed			

Measurement Data

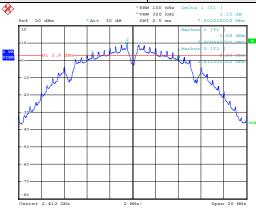
T (0)	6dB	1	,			
Test CH	802.11b	Limit(kHz)	Result			
Lowest	7.60	15.20	15.24			
Middle	7.60	15.20	15.24	>500	Pass	
Highest	7.64	15.16	15.16			

T	99dB		5 "		
Test CH	802.11b	Limit(kHz)	Result		
Lowest	12.42	16.38	17.58		
Middle	12.42	16.38	17.52	N/A	N/A
Highest	12.42	16.38	17.52		

Test plot as follows:

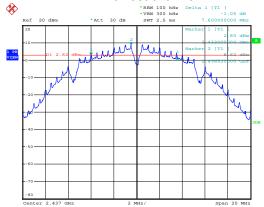


Test mode:6dB EBW 802.11b



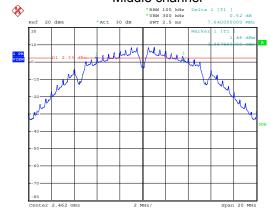
Date: 14.JUN.2013 09:17:58

Lowest channel



Date: 14.JUN.2013 09:29:49

Middle channel

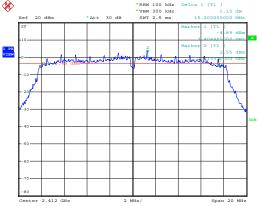


Date: 14.JUN.2013 09:33:29

Highest channel

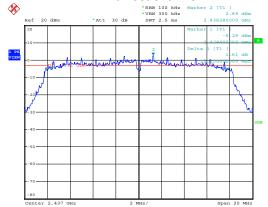






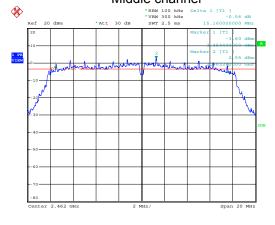
Date: 14.JUN.2013 09:36:22

Lowest channel



Date: 14.JUN.2013 09:38:09

Middle channel

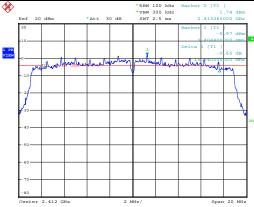


Date: 14.JUN.2013 09:40:01

Highest channel

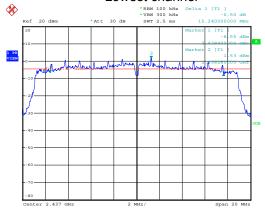






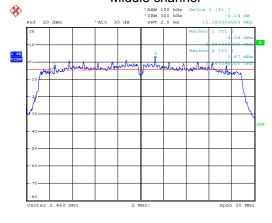
Date: 14.JUN.2013 09:42:07

Lowest channel



Date: 14.JUN.2013 09:43:52

Middle channel

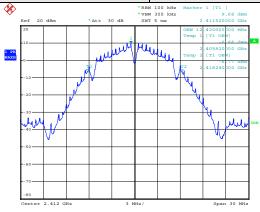


Date: 14.JUN.2013 09:45:40

Highest channel

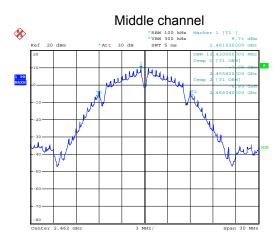


Test mode: 99% OBW 802.11b



Date: 18.JUN.2013 14:39:54

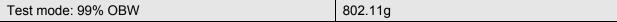
Date: 18.JUN.2013 14:40:36

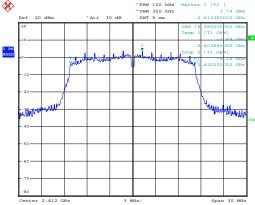


Date: 18.JUN.2013 14:40:59

Highest channel

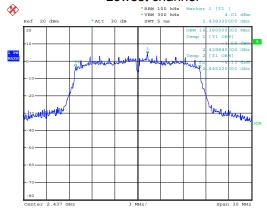






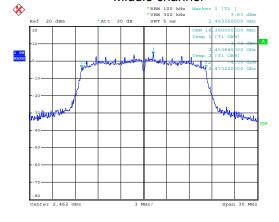
Date: 18.JUN.2013 14:41:45

Lowest channel



Date: 18.JUN.2013 14:42:11

Middle channel

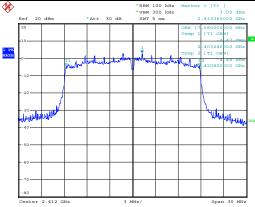


Date: 18.JUN.2013 14:42:52

Highest channel

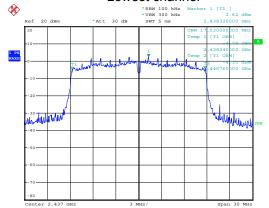






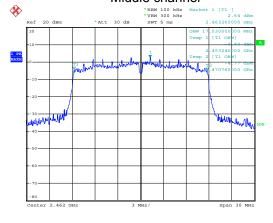
Date: 18.JUN.2013 14:43:23

Lowest channel



Date: 18.JUN.2013 14:43:48

Middle channel



Date: 18.JUN.2013 14:44:11

Highest channel



6.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)				
Test Method:	ANSI C63.4:2003 and KDB558074				
Limit:	8 dBm				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.6 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

Measurement Data

T (0)	Pow	er Spectral Density		D "		
Test CH	802.11b 802.11g 802.11n(H20)			Limit(dBm)	Result	
Lowest	4.94	-0.78	3.01			
Middle			2.19	8.00	Pass	
Highest	3.30	3.70	1.03			

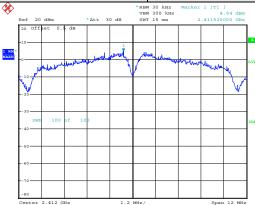
Test plot as follows:

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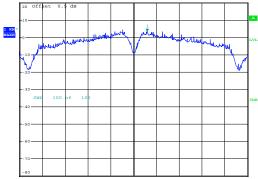




Date: 20.JUN.2013 15:17:34

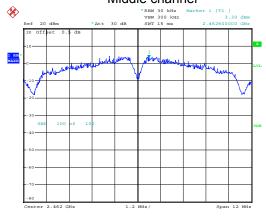
*RBW 30 kHz Marker 1 [T] VBW 300 kHz *Att 30 dB SWT 15 ms 2.437720

Lowest channel



Date: 20.JUN.2013 15:17:59

Middle channel

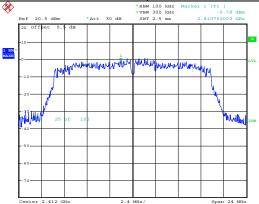


Date: 20.JUN.2013 15:18:26

Highest channel



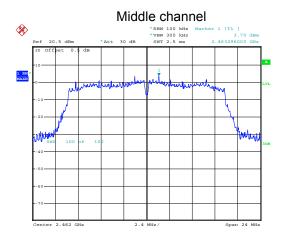




Date: 19.JUN.2013 14:09:12

Lowest channel **REW 100 lots Marker 1 [T1] **YEW 300 lots 2.53 dim **Att 30 dim **SWT 2.5 mm 2.435752000 dim **LVL **TOTAL CONTROL CON

Date: 19.JUN.2013 14:09:57

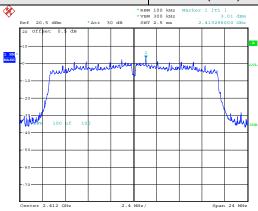


Date: 19.JUN.2013 14:10:36

Highest channel

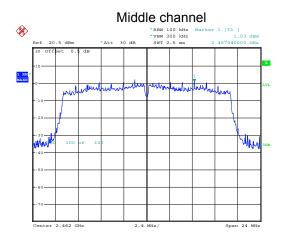






Date: 19.JUN.2013 14:11:42

Date: 19.JUN.2013 14:14:57



Date: 19.JUN.2013 14:17:07

Highest channel

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6.6 Band Edge

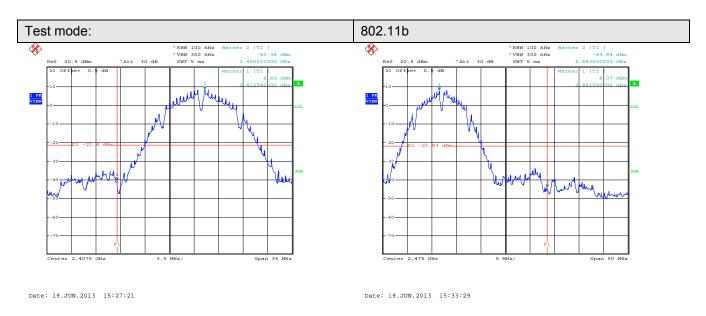
6.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	ANSI C63.4:2003 and KDB558074				
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 30 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 5.6 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

Test plot as follows:

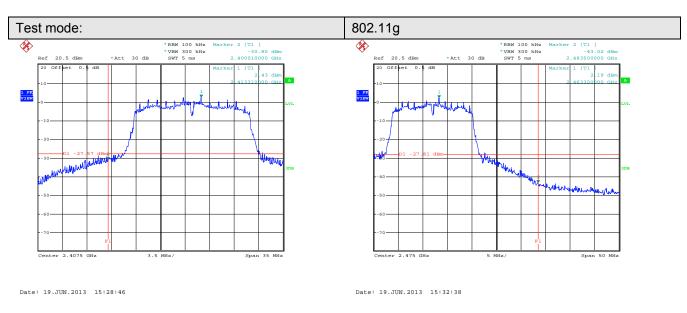
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Lowest channel

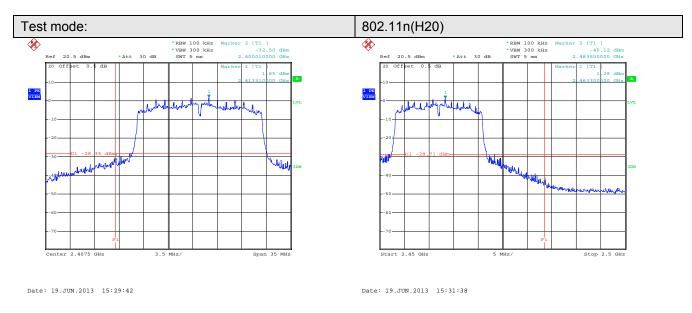
Highest channel



Lowest channel

Highest channel





Lowest channel

Highest channel

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6.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205					
Test Method:	ANSI C63.4: 200)3				
Test Frequency Range:	2.3GHz to 2.5GHz					
Test site:	Measurement Di	stance: 3m				
Receiver setup:	Frequency	Detector Peak	RBW 1MHz	VBW 3MHz	Remark Peak Value	
	Above 1GHz	Peak	1MHz	10Hz	Average Value	
Limit:	Frequer Above 10	_	Limit (dBuV/ 54.0 74.0	0	Remark Average Value Peak Value	
Test Procedure:	the ground a to determine The EUT was antenna, wh tower. The antenna the ground to Both horizon make the m For each su case and the meters and to find the m The test-reconstruction in the limit spenal values of the did not have peak, quasi-	at a 3 meter can be the position of as set 3 meters and the position of a height is varieto determine the ntal and vertical easurement. It is pected emission the rota table of the position level of the position level of the position to the position of the position level of the position	amber. The tool the highests away from ted on the tool ed from one to maximum all polarizations, the EU awas turned to maximum Heur in peasting could be reported.	table was rost radiation. the interfer op of a variate meter to for a value of the ansof the ansof the ansof the ansof the degree at Detect old Mode. It was arrant to heights of the degree at Detect old Mode. It mode was the stopped at the sto	rence-receiving able-height antenna our meters above the field strength. Intenna are set to anged to its worst from 1 meter to 4 frees to 360 degrees. Function and s 10dB lower than and the peak the emissions that	
Test setup:	in a data sheet. Antenna Tower Horn Antenna Spectrum Analyzer Turn Table Amplifier					
Test Instruments:	Refer to section	5.6 for details				
Test mode:	Refer to section	5.3 for details				
Test results:	Passed					

Project No.: CCIS130500128RF

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802.11b

Test channel:			Lowest L		Level:	Level:		Peak		
	quency MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Prear Facto (dB	or or	Level (dBuV/m)	Limit Line (dBuV/m)	ı ımıt	Polarization
23	390.00	14.26	27.58	5.67	0.00)	47.51	74.00	-26.49	Horizontal
23	390.00	17.13	27.58	5.67	0.00)	50.38	74.00	-23.62	Vertical

Test	channel:	Lowest				Level:		Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Level (dBuV/m)	Limit Line (dBuV/m)	ı ımıt	Polarization	
2390.00	6.35	27.58	5.67	0.00		39.60	54.00	-14.40	Horizontal	
2390.00	6.87	27.58	5.67	0.0	0	40.12	54.00	-13.88	Vertical	

Test	channel:	nnel: Highest			Level:			Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Level (dBuV/m)	Limit Line	ı ımıt	Polarization	
2483.50	23.41	27.52	5.70	0.00		56.63	74.00	-17.37	Horizontal	
2483.50	22.82	27.52	5.70	0.00)	56.04	74.00	-17.96	Vertical	

Test	channel:	Highest			Level:			Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Level (dBuV/m)	Limit Line	i imit	Polarization	
2483.50	11.79	27.52	5.70	0.0)	45.01	54.00	-8.99	Horizontal	
2483.50	13.08	27.52	5.70	0.0)	46.30	54.00	-7.70	Vertical	

Remark:

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

CCIS

Report No: CCIS13050012802

802.11g

Test channel: Lowest				Level: Peak				ak	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Prear Facto (dB	or or	Level (dBuV/m)	Limit Line (dBuV/m)	I I imit	Polarization
2390.00	24.32	27.58	5.67	0.00)	57.57	74.00	-16.43	Horizontal
2390.00	25.05	27.58	5.67	0.00)	58.30	74.00	-15.70	Vertical

Tes	Test channel: Lowest				Level:		Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m	i i imit	Polarization	
2390.00	13.76	27.58	5.67	0.00	47.01	54.00	-6.99	Horizontal	
2390.00	14.80	27.58	5.67	0.00	48.05	54.00	-5.95	Vertical	

Test	channel:	nel: Highest				Level:		Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Level (dBuV/m)	Limit Line (dBuV/m)	i i imit	Polarization	
2483.50	23.32	27.52	5.70	0.00		56.54	74.00	-17.46	Horizontal	
2483.50	23.31	27.52	5.70	0.00		56.53	74.00	-17.47	Vertical	

Test channel: Highest				Level:			Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Prear Fact (dB	or	Level (dBuV/m)	Limit Line (dBuV/m)	I I imit	Polarization
2483.50	14.08	27.52	5.70	0.00)	47.30	54.00	-6.70	Horizontal
2483.50	12.08	27.52	5.70	0.00)	45.30	54.00	-8.70	Vertical

Remark:

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



802.11n (H20)

Test channel: Lowest				Level: Peak				ak	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Prear Facto (dB	or Or	Level (dBuV/m)	Limit Line (dBuV/m)	i i imit	Polarization
2390.00	23.80	27.58	5.67	0.00)	57.05	74.00	-16.95	Horizontal
2390.00	24.58	27.58	5.67	0.00)	57.83	74.00	-16.17	Vertical

Test	Test channel: Lowest				Level:		Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m	i i imit	Polarization	
2390.00	12.76	27.58	5.67	0.00	46.01	54.00	-7.99	Horizontal	
2390.00	14.05	27.58	5.67	0.00	47.30	54.00	-6.70	Vertical	

Test	channel:		Highest			Level:		Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Level (dBuV/m)	Limit Line (dBuV/m)	I I imit	Polarization	
2483.50	23.67	27.52	5.70	0.00		56.89	74.00	-17.11	Horizontal	
2483.50	23.98	27.52	5.70	0.00)	57.20	74.00	-16.80	Vertical	

Test	Test channel: Highest				Level:			Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)		Level (dBuV/m)	Limit Line (dBuV/m)	i i imit	Polarization	
2483.50	11.80	27.52	5.70	0.0	0	45.02	54.00	-8.98	Horizontal	
2483.50	13.36	27.52	5.70	0.0)	46.58	54.00	-7.42	Vertical	

Remark:

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



6.7 Spurious Emission

6.7.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)					
Test Method:	ANSI C63.4:2003 and KDB558074					
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 30 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					
	Non-Conducted Table Ground Reference Plane					
Test Instruments:	Refer to section 5.6 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					

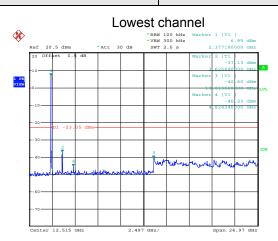
Test plot as follows:

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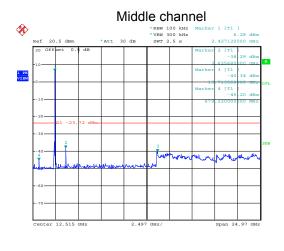


Test mode: 802.11b



Date: 19.JUN.2013 15:37:55

30MHz~25GHz



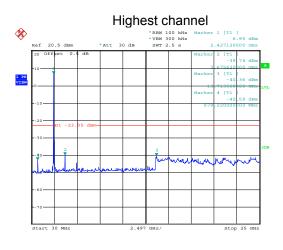
Date: 19.JUN.2013 15:37:09

30MHz~25GHz

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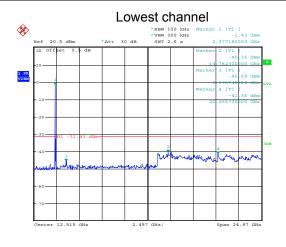




Date: 19.JUN.2013 15:36:07

30MHz~25GHz

Test mode: 802.11g

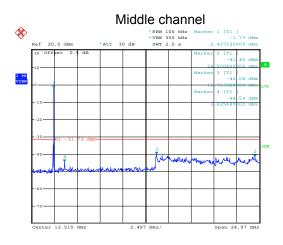


Date: 19.JUN.2013 15:45:21

30MHz~25GHz

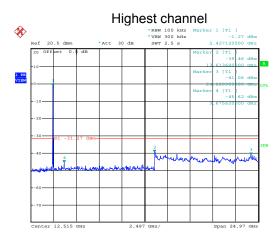
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Date: 19.JUN.2013 15:46:00

30MHz~25GHz



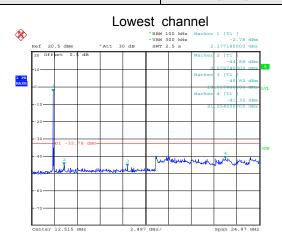
Date: 19.JUN.2013 15:46:45

30MHz~25GHz

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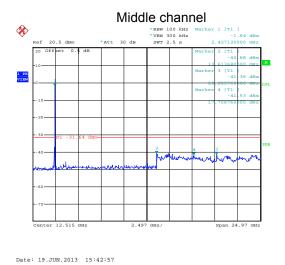


Test mode: 802.11n(H20)



Date: 19.JUN.2013 15:42:02

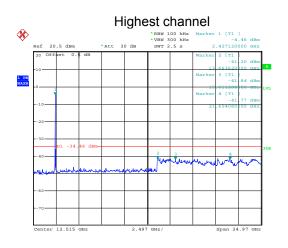
30MHz~25GHz



30MHz~25GHz

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Date: 19.JUN.2013 15:44:15

30MHz~25GHz

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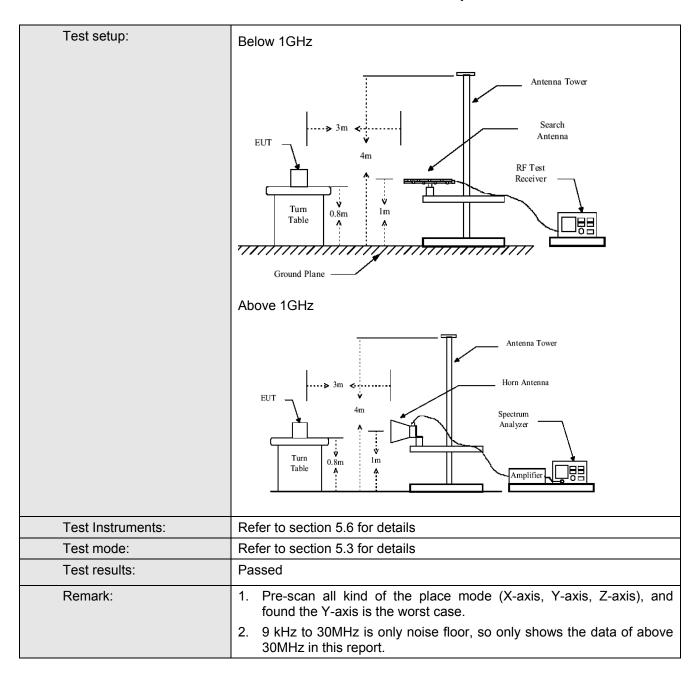


6.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205									
Test Method:	ANSI C63.4:2003									
Test Frequency Range:	9 kHz to 25 GH	Z								
Test site:	Measurement D	istance: 3m								
Receiver setup:										
·	Frequency Detector RBW VBW Rer									
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value					
	Above 1GHz	Peak	1MHz	3MHz	Peak Value					
	7,0000 10112	Peak	1MHz	10Hz	Average Value					
Limit:		1								
	Freque		Limit (dBuV/		Remark					
	30MHz-8		40.0		Quasi-peak Value					
	88MHz-21		43.5		Quasi-peak Value					
	216MHz-9 960MHz-		46.0 54.0		Quasi-peak Value Quasi-peak Value					
	9001011 12-	IGHZ	54.0		Average Value					
	Above 1	GHz	74.0		Peak Value					
Test Procedure:	the ground to determin 2. The EUT wantenna, wantenna, wantenna and the ground Both horizon make the numbers and to find the number of the limit spundles of the did not have	at a 3 meter come the position was set 3 meter which was mount to determine to the and vertice measurement. The authority of the antennal the rota table maximum read ceiver system and width with sion level of the ecified, then the EUT would the 10dB margir i-peak or aversity of the position of the control	the top of a reamber. The too of the highests away from the don the too ried from one the maximum all polarizations in the EU awas turned the was turned from the EUT in peasiting could be reported. In would be resulted to the state of the total awas turned the EUT in peasiting could be reported.	tating table table was restracted in the interfer op of a variate meter to for a value of the ons of the art to heights from 0 degreeak Detect old Mode. It was arranged to heights from 0 degreeak Detect old Mode. It was arranged to he stopped to the table to the interfer one of the table to the table table to the table table to the table table to the table	e 0.8 meters above obtated 360 degrees rence-receiving able-height antenna our meters above the field strength, intenna are set to anged to its worst from 1 meter to 4 from 2 meters about the enissions that					

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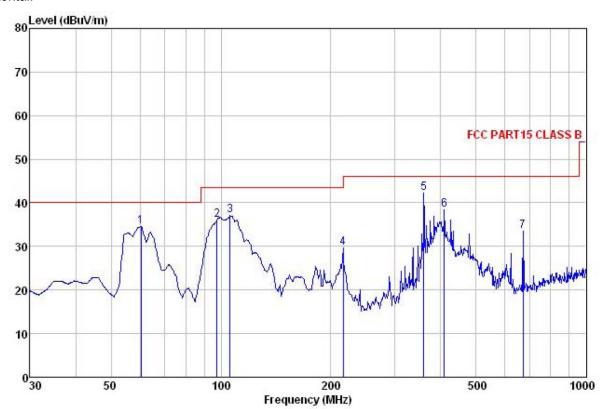


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Below 1GHz

Horizontal:



: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M1G) HORIZONTAL : 128RF Condition

Job No. : MID EUT : TAB-1040 Model Test mode : TX-WIFI

Power Rating: AC 120V/60Hz Environment: Temp:25°C Huni:55% Atmos:101Kpa

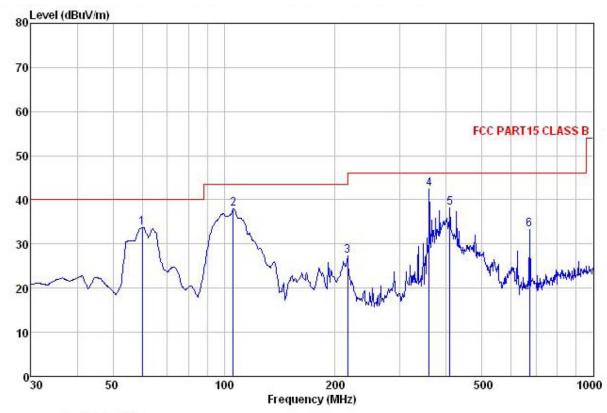
est	Engineer:				-				
	100		Antenna				Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu∇	dB/m		<u>d</u> B	$\overline{\mathtt{dBuV/m}}$	$\overline{dBuV/m}$	<u>dB</u>	
1	60.492	49.83	12.56	1.38	29.26	34.51	40.00	-5.49	
2	97.456	51.24	13.00	1.98	30.09	36.13	43.50	-7.37	
3	106.013	52.40	12.59	2.01	29.97	37.03	43.50	-6.47	
2 3 4 5 6	216.024	45.45	11.07	2.85	29.74	29.63	46.00	-16.37	
5	359.186	54.53	14.40	3.10	29.72	42.31	46.00	-3.69	
6	408.946	50.08	15.27	3.10	30.00	38.45	46.00	-7.55	
7	672.845	41.36	18.72	4.00	30.59	33.49	46.00	-12.51	

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Project No.: CCIS130500128RF

Vertical:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M1G) VERTICAL Condition

Job No. : 128RF EUT : MID

: IAD-1040
Test mode : TX-WIFI
Power Rating : AC 120V/60Hz
Environment : Temp:25°C Huni:55% Atmos:101Kpa
Test Engineer: jacky

	Freq		Antenna Factor					Over Limit	Remark
	MHz	dBu∜			<u>ab</u>	$\overline{dBuV/m}$	dBu√/m	<u>dB</u>	
1	60.069	48.86	12.69	1.38	29.21	33.72	40.00	-6.28	
2	106.013	53.39	12.59	2.01	29.97	38.02	43.50	-5.48	
3	216.024	43.13	11.07	2.85	29.74	27.31	46.00	-18.69	
2 3 4	359.186	54.76	14.40	3.10	29.72	42.54	46.00	-3.46	
5	408.946	49.92	15.27	3.10	30.00	38.29	46.00	-7.71	
6	672.845	41.13	18.72	4.00	30.59	33.26	46.00	-12.74	

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Project No.: CCIS130500128RF

Above 1GHz

Test mode:	802.1	l1b	Test channe	el: Low	est	Remark:	Peak	
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	41.46	31.54	8.92	40.22	41.70	74.00	-32.30	Vertical
7236.00	32.92	36.49	10.60	41.23	38.78	74.00	-35.22	Vertical
4824.00	42.39	31.54	8.92	40.22	42.63	74.00	-31.37	Horizontal
7236.00	32.86	36.49	10.62	41.22	38.75	74.00	-35.25	Horizontal

Test mode:	802.1	l1b	Test channe	el: Lowe	est	Remark:	Avera	age
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	32.41	31.54	8.92	40.22	32.65	54.00	-21.35	Vertical
7236.00	24.24	36.50	10.62	41.22	30.14	54.00	-23.86	Vertical
4824.00	31.16	31.54	8.92	40.22	31.40	54.00	-22.60	Horizontal
7236.00	24.04	36.50	10.62	41.22	29.94	54.00	-24.06	Horizontal

Test mode:	802.1	1b	Test channe	el: Mi	ddle	Remark:	Peak	(
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dE	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	42.66	31.57	8.98	40.15	43.06	74.00	-30.94	Vertical
7311.00	44.11	36.48	10.68	41.16	50.11	74.00	-23.89	Vertical
4874.00	45.60	31.57	8.98	40.15	46.00	74.00	-28.00	Horizontal
7311.00	41.11	36.48	10.68	41.16	47.11	74.00	-26.89	Horizontal

Test mode:	802.1	l1b	Test channe	el: N	/liddl	е	Remark:	Averag		age
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Factor (d		Level (dBuV/m)	Limit Line (dBuV/m)	Over (dl	Limit 3)	polarization
4874.00	32.44	31.57	8.98	40.15	5	32.84	54.00	-21	.16	Vertical
7311.00	35.30	36.48	10.68	41.16	6	41.30	54.00	-12	.70	Vertical
4874.00	36.14	31.57	8.98	40.15	5	36.54	54.00	-17.46		Horizontal
7311.00	32.02	36.48	10.68	41.16	6	38.02	54.00	-15.98		Horizontal

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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CCIS

Report No: CCIS13050012802

Test mode:	Test mode: 802.11b		Test chann	el: High	est	Remark:	Peal	<
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	43.68	31.61	9.04	40.08	44.25	74.00	-29.75	Vertical
7386.00	42.19	36.52	10.75	41.09	48.37	74.00	-25.63	Vertical
4924.00	37.45	31.61	9.04	40.08	38.02	74.00	-35.98	Horizontal
7386.00	32.59	36.52	10.75	41.09	38.77	74.00	-35.23	Horizontal

Test mode:	802.1	l1b	Test chann	el: High	est	Remark:	Aver	age
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	34.44	31.61	9.04	40.08	35.01	54.00	-18.99	Vertical
7386.00	32.46	36.52	10.75	41.09	38.64	54.00	-15.36	Vertical
4924.00	27.73	31.61	9.04	40.08	28.30	54.00	-25.70	Horizontal
7386.00	23.12	36.52	10.75	41.09	29.30	54.00	-24.70	Horizontal

Test mode:	802.	11g	Test chann	el: Lo	west	Remark:	Pea	k
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (di	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	41.43	31.54	8.92	40.22	41.67	74.00	-32.33	Vertical
7236.00	35.14	36.49	10.62	41.22	41.03	74.00	-32.97	Vertical
4824.00	46.75	31.54	8.92	40.22	46.99	74.00	-27.01	Horizontal
7236.00	35.08	36.49	10.62	41.22	40.97	74.00	-33.03	Horizontal

Test mode:	t mode: 802.11g		Test chann	el: Lowe	est	Remark:	Aver	age
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	32.23	31.54	8.92	40.22	32.47	54.00	-21.53	Vertical
7236.00	26.14	36.50	10.62	41.22	32.04	54.00	-21.96	Vertical
4824.00	36.33	31.54	8.92	40.22	36.57	54.00	-17.43	Horizontal
7236.00	24.75	36.50	10.62	41.22	30.65	54.00	-23.35	Horizontal

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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Test mode:	Test mode: 802.11g		Test channel:		Middle		Remark:		Peak	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Prear Factor	•	Level (dBuV/m)	Limit Line (dBuV/m)	Over (d	Limit B)	polarization
4874.00	43.75	31.57	8.98	40.1	5	44.15	74.00	-29	.85	Vertical
7311.00	44.82	36.48	10.68	41.1	6	50.82	74.00	-23	.18	Vertical
4874.00	44.25	31.57	8.98	40.1	5	44.65	74.00	-29.35		Horizontal
7311.00	40.87	36.48	10.68	41.1	6	46.87	74.00	-27.13		Horizontal

Test mode:	802.	11g	Test chann	el:	Midd	le	Remark:	Avera		age
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Prea Fact (dE	tor	Level (dBuV/m)	Limit Line (dBuV/m)	Over (d		polarization
4874.00	33.95	31.57	8.98	40.1	15	34.35	54.00	-19	.65	Vertical
7311.00	34.15	36.48	10.68	41.1	16	40.15	54.00	-13	.85	Vertical
4874.00	44.90	31.57	8.98	40.1	15	45.30	54.00	-8.	70	Horizontal
7311.00	31.12	36.48	10.68	41.1	16	37.12	54.00	-16	.88	Horizontal

Test mode:	802.	11g	Test chann	el: High	est	Remark:	: Peak		(
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over (dE	-	polarization
4924.00	46.30	31.61	9.04	40.08	46.87	74.00	-27.	13	Vertical
7386.00	40.46	36.52	10.75	41.09	46.64	74.00	-27.	36	Vertical
4924.00	42.36	31.61	9.04	40.08	42.93	74.00	-31.	07	Horizontal
7386.00	37.20	36.52	10.75	41.09	43.38	74.00	-30.	62	Horizontal

Test mode:	802.	11g	Test chann	el: High	est	Remark:	Aver	age
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	36.67	31.61	9.04	40.08	37.24	54.00	-16.76	Vertical
7386.00	30.07	36.52	10.75	41.09	36.25	54.00	-17.75	Vertical
4924.00	33.05	31.61	9.04	40.08	33.62	54.00	-20.38	Horizontal
7386.00	26.48	36.52	10.75	41.09	32.66	54.00	-21.34	Horizontal

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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Test mode:	802.	11n(H20)	Test chann	el: Low	est	Remark:	Peal	k
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	36.57	31.54	8.92	40.22	36.81	74.00	-37.19	Vertical
7236.00	32.62	36.49	10.62	41.22	38.51	74.00	-35.49	Vertical
4824.00	35.40	31.54	8.92	40.22	35.64	74.00	-38.36	Horizontal
7236.00	33.27	36.49	10.62	41.22	39.16	74.00	-34.84	Horizontal

Test mode:	802.1	11n(H20)	Test chann	el: Lov	est	Remark:	Avera		age
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over L (dB)	-	polarization
4824.00	27.07	31.54	8.92	40.22	27.31	54.00	-26.6	69	Vertical
7236.00	23.71	36.50	10.62	41.22	29.61	54.00	-24.3	39	Vertical
4824.00	25.77	31.54	8.92	40.22	26.01	54.00	-27.9	99	Horizontal
7236.00	24.24	36.50	10.62	41.22	30.14	54.00	-23.8	36	Horizontal

Test mode:	802.	11n(H20)	Test chann	el: Mic	ddle	Remark:	Pea	k
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dE	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	34.70	31.57	8.98	40.15	35.10	74.00	-38.90	Vertical
7311.00	37.78	36.48	10.68	41.16	43.78	74.00	-30.22	Vertical
4874.00	35.07	31.57	8.98	40.15	35.47	74.00	-38.53	Horizontal
7300.00	36.51	36.48	10.68	41.16	42.51	74.00	-31.49	Horizontal

Test mode:	802.	11n(H20)	Test chann	el: Mid	ldle	Remark:	Aver	rage
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dE	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	25.90	31.57	8.98	40.15	26.30	54.00	-27.70	Vertical
7311.00	25.64	36.48	10.68	41.16	31.64	54.00	-22.36	Vertical
4874.00	26.10	31.57	8.98	40.15	26.50	54.00	-27.50	Horizontal
7300.00	27.02	36.48	10.68	41.16	33.02	54.00	-20.98	Horizontal

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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Test mode:	802.	11n(H20)	Test chann	el: High	est	Remark:	Peal	k
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	35.03	31.61	9.04	40.08	35.60	74.00	-38.40	Vertical
7386.00	34.44	36.52	10.75	41.09	40.62	74.00	-33.38	Vertical
4924.00	34.67	31.61	9.04	40.08	35.24	74.00	-38.76	Horizontal
7386.00	34.88	36.52	10.75	41.09	41.06	74.00	-32.94	Horizontal

Test mode:	802.	11n(H20)	Test chann	el: Higl	nest	Remark:	Ave	rage
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	25.73	31.61	9.04	40.08	26.30	54.00	-27.70	Vertical
7386.00	25.46	36.52	10.75	41.09	31.64	54.00	-22.36	Vertical
4924.00	26.73	31.61	9.04	40.08	27.30	54.00	-26.70	Horizontal
7386.00	26.22	36.52	10.75	41.09	32.40	54.00	-21.60	Horizontal

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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