

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCIS15090073703

FCC REPORT (WIFI)

Applicant: AZUMI S.A

Avenida Aquilino de la Guardia con Calle 47, PH Ocean Plaza,

Address of Applicant: Piso 16 of. 16-01, Marbella, Ciudad de Panamá City, Rep.

Panamá

Equipment Under Test (EUT)

Product Name: Mobile phone A35C

Model No.: A35C

FCC ID: QRP-AZUMIA35C

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

Date of sample receipt: 04 Jun., 2015

Date of Test: 04 Jun., 2015 to 17 Jun., 2015

Date of report issued: 23 Sep., 2015

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	23 Sep., 2015	This report was amended on the report CCIS15060042103 following FCC Class II Permissive Change Procedure. The differences as below: Remove the GPS function and electrodynamics induction, and the camera pixel was changed. Base on the differences description, the Recording mode was additional tested in FCC part 15B report. All data are from the report CCIS15060042103.

Tested by: Query (her Date: 23 Sep., 2015

Test Engineer

Reviewed by: 23 Sep., 2015

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 Peak Output Power	15.247 (b)(3)	Pass
6dB Emission Bandwidth 99% Occupied 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.



5 General Information

5.1 Client Information

Applicant:	AZUMI S.A			
Address of Applicant:	Avenida Aquilino de la Guardia con Calle 47, PH Ocean Plaza, Piso 16 of. 16-01, Marbella, Ciudad de Panamá City, Rep. Panamá			
Manufacturer:	AZUMI HK LTD.			
Address of Manufacturer:	FLAT/RM 18 BLK 1 14/F GOLDEN INDUSTRIAL BUILDING, 16-26 KWAI TAK STREET, KWAI CHUNG, HONG KONG			
Factory:	Longconn Electronics(Shenzhen) Co., Ltd.			
Address of Factory:	(Xinchuangji Industrial park) NO.42, Xingye 1 Road, Phoenix 1st Industrial Zone, Fuyong Town, Baoan District, Shenzhen ,China			

5.2 General Description of E.U.T.

Product Name:	Mobile phone A35C
Model No.:	A35C
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(H20)) 2422MHz~2452MHz (802.11n(H40))
Channel numbers:	11 for 802.11b/802.11g/802.11(H20) 7 for 802.11n(H40)
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:	2.9 dBi
AC adapter:	Input:100-240V AC,50/60Hz 0.4A Output:5V DC 750mA
Power supply:	Rechargeable Li-ion Battery DC3.8V 1450mAh





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		

Operation Frequency each of channel For 802.11n(H40)							
Channel Frequency Channel Frequency Channel Frequency Channel Frequency							
		4	2427MHz	7	2442MHz		
		5	2432MHz	8	2447MHz		
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		

802.11n (H40)

Channel	Frequency		
The lowest channel	2422MHz		
The middle channel	2437MHz		
The Highest channel	2452MHz		



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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	
802.11n(H40)	13.5Mbps	

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) and 13.5 Mbps for 802.11n(H40). Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

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,

Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755-23118282 Fax: +86-755-23116366

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366

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5.6 Test Instruments list

Radia	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	08-23-2014	08-22-2017		
2	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	03-28-2015	03-28-2016		
3	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	03-28-2015	03-28-2016		
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		
5	Amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2015	03-31-2016		
6	Amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	04-01-2015	03-31-2016		
7	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	04-01-2015	03-31-2016		
8	Horn Antenna	ETS-LINDGREN	3160	GTS217	04-01-2015	03-31-2016		
9	Printer	HP	HP LaserJet P1007	N/A	N/A	N/A		
10	Positioning Controller	UC	UC3000	CCIS0015	N/A	N/A		
11	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP	CCIS0023	03-28-2015	03-28-2016		
12	EMI Test Receiver	Rohde & Schwarz	ESPI	CCIS0022	03-28-2015	03-28-2016		
13	Loop antenna	Laplace instrument	RF300	EMC0701	04-01-2015	03-31-2016		
14	Universal radio communication tester	Rhode & Schwarz	CMU200	CCIS0069	03-28-2015	03-28-2016		
15	Signal Analyzer	Rohde & Schwarz	FSIQ3	CCIS0088	04-08-2015	04-08-2016		

Cond	Conducted Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	11-10-2012	11-09-2015	
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	03-28-2015	03-28-2016	
3	LISN	CHASE	MN2050D	CCIS0074	03-28-2015	03-28-2016	
4	Coaxial Cable	CCIS	N/A	CCIS0086	04-01-2015	03-31-2016	
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	



6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement: FCC Part 15 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 WiFi antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is 2.9 dBi.







6.2 Conducted Emission

	-				
Test Requirement:	FCC Part 15 C Section 15.207				
Test Method:	ANSI C63.4: 2009				
Test Frequency Range:	150 kHz to 30 MHz	150 kHz to 30 MHz			
Class / Severity:	Class B				
Receiver setup:	RBW=9 kHz, VBW=30 kHz				
Limit:	Francisco de (MILE)	Limit (c	t (dBuV)		
	Frequency range (MHz)	Quasi-peak	Average		
	0.15-0.5	66 to 56*	56 to 46*		
	0.5-5	56	46		
	* Decreases with the logarithn	60	50		
Test procedure	 The E.U.T and simulators a line impedance stabilize 50ohm/50uH coupling im The peripheral devices at through a LISN that proviwith 50ohm termination. (test setup and photograp) Both sides of A.C. line an interference. In order to fi positions of equipment ar changed according to AN measurement. 	ation network (L.I.S.N.) pedance for the measure also connected to thicked a 50ohm/50uH con (Please refer to the blocks). e checked for maximum emisted all of the interface care	n, which provides a curing equipment. The main power upling impedance took diagram of the m conducted sion, the relative ables must be		
Test setup:	LISN 40cm		er — AC power		
Test Instruments:	Refer to section 5.6 for details	3			
Test mode:	Refer to section 5.3 for details	3			
Test results:	Passed				

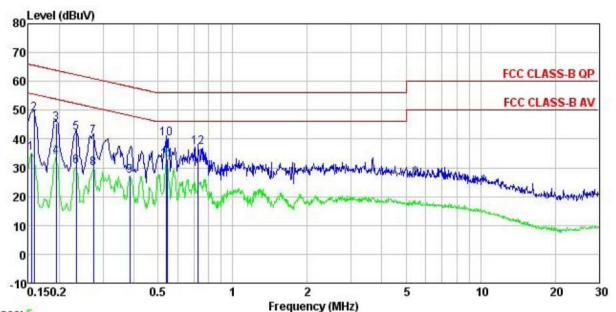
Measurement Data

Shenzhen Zhongjian Nanfang Testing Co., Ltd. No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366





Neutral:



Trace: 5

Site

: CCIS Shielding Room : FCC CLASS-B QP LISN NEUTRAL Condition

Pro : 421RF

EUT : Mobile Phone A35C Model : A35C

Test Mode : WIFI mode

Power Rating: AC 120V/50Hz
Environment: Temp: 23 °C Huni: 56% Atmos: 101KPa
Test Engineer: Carey

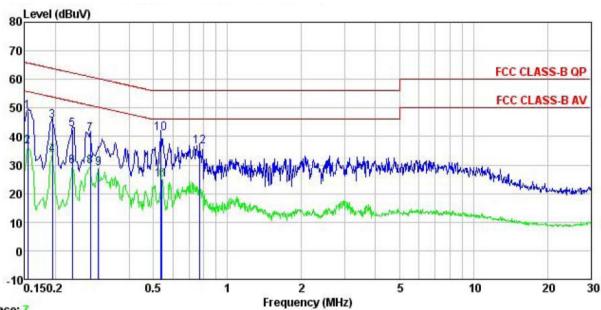
Remark :

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∜	₫B	₫B	dBu₹	dBu∜	<u>dB</u>	
1	0.154	24.15	0.25	10.78	35.18	55.78	-20.60	Average
2	0.158	37.68	0.25	10.78	48.71	65.56	-16.85	QP
1 2 3	0.194	34.47	0.25	10.76	45.48	63.84	-18.36	QP
4	0.194	22.81	0.25	10.76	33.82	53.84	-20.02	Average
5	0.234	31.14	0.25	10.75	42.14	62.30	-20.16	QP
6	0.234	19.57	0.25	10.75	30.57	52.30	-21.73	Average
7	0.274	29.67	0.26	10.74	40.67	60.98	-20.31	QP
4 5 6 7 8 9	0.274	18.78	0.26	10.74	29.78	50.98	-21.20	Average
9	0.385	16.21	0.25	10.72	27.18			Average
10	0.541	29.01	0.26	10.76	40.03		-15.97	
11	0.546	21.86	0.26	10.76	32.88			Average
12	0.727	26.09	0.18	10.78	37.05		-18.95	





Line:



Trace: 7

: CCIS Shielding Room : FCC CLASS-B QP LISN LINE Site Condition

: 421RF Pro

EUT : Mobile Phone A35C

: A35C Model Test Mode : WIFI mode Power Rating: AC 120V/50Hz

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

Test Engineer: Carey Remark

ventark.	•	1000	1.00-030000			250 900	22	
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∜	₫B	₫B	dBu₹	dBu∜	<u>dB</u>	
1	0.154	37.59	0.27	10.78	48.64	65.78	-17.14	QP
2	0.154	25.61	0.27	10.78	36.66	55.78	-19.12	Average
3	0.194	34.46	0.28	10.76	45.50	63.84	-18.34	QP
4	0.194	22.53	0.28	10.76	33.57	53.84	-20.27	Average
4 5 6 7	0.234	31.49	0.27	10.75	42.51	62.30	-19.79	QP
6	0.234	18.64	0.27	10.75	29.66	52.30	-22.64	Average
	0.277	29.87	0.26	10.74	40.87	60.90	-20.03	QP
8	0.277	18.55	0.26	10.74	29.55	50.90	-21.35	Average
9	0.299	17.96	0.26	10.74	28.96	50.28	-21.32	Average
10	0.538	29.98	0.28	10.76	41.02	56.00	-14.98	QP
11	0.541	13.83	0.27	10.76	24.86	46.00	-21.14	Average
12	0.771	25.55	0.23	10.80	36.58	56.00	-19.42	QP

Notes:

- 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 emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss



6.3 Conducted Output Power

Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)		
Test Method:	ANSI C63.4:2009 and KDB558074		
Limit:	30dBm		
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		
Remark:	Test method refer to KDB558074 (DTS Measure Guidance) section 8.2, option 1.		

Measurement Data

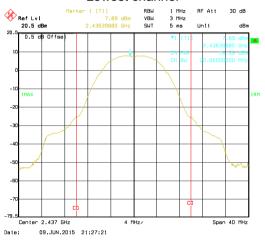
Test CH	Ma	aximum Conduct	1: ://ID \	.		
Test Off	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(dBm)	Result
Lowest	16.00	14.15	13.96	12.41		
Middle	16.35	15.42	15.30	14.54	30.00	Pass
Highest	16.56	14.75	14.91	12.59		

Test plot as follows:

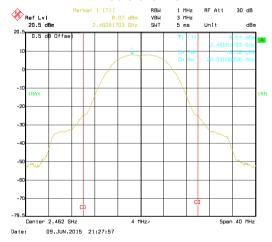








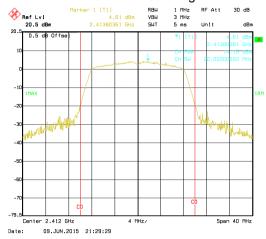
Middle channel

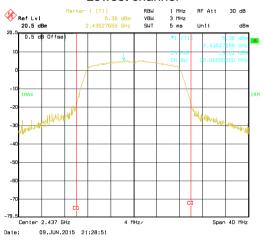


Highest channel

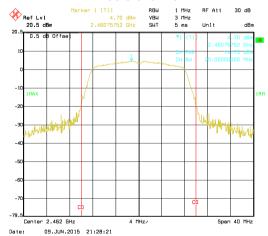






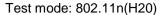


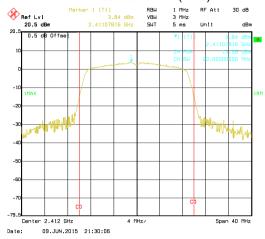
Middle channel

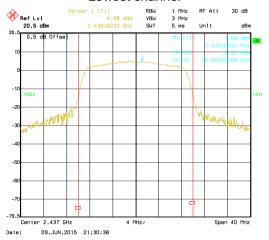


Highest channel

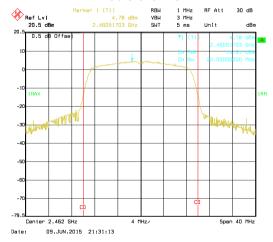








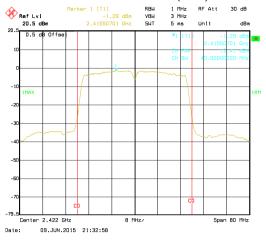
Middle channel



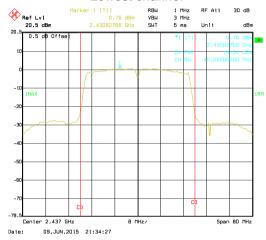
Highest channel



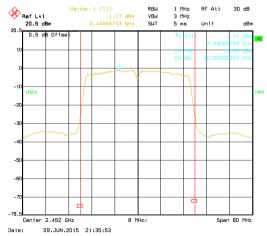
Test mode: 802.11n(H40)



Lowest channel



Middle channel



Highest channel





6.4 Occupy Bandwidth

Test Requirement:	FCC Part 15 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

Test CH		6dB Emission	Limit(kHz)	Result		
1031 011	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(Ki iz)	resuit
Lowest	10.18	15.63	17.07	35.91		
Middle	10.26	15.79	16.59	35.75	>500	Pass
Highest	9.30	16.11	16.51	35.75		

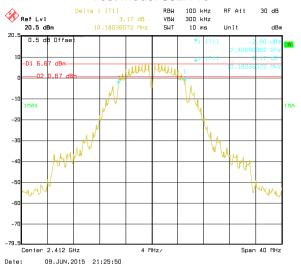
Test CH		99% Occupy	Limit(kHz)	Result		
	802.11b	802.11g	802.11n(H20)	802.11n(H40)	LIIIII(KI IZ)	Nesult
Lowest	12.67	16.43	17.64	35.75		
Middle	12.75	16.43	17.64	36.07	N/A	N/A
Highest	12.63	16.43	17.64	35.91		

Test plot as follows:

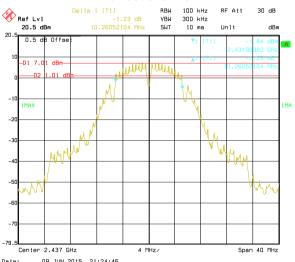


6dB EBW

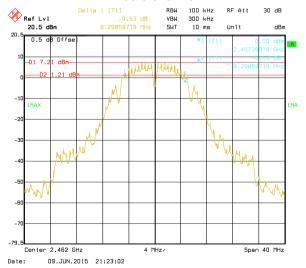
Test mode: 802.11b



Lowest channel

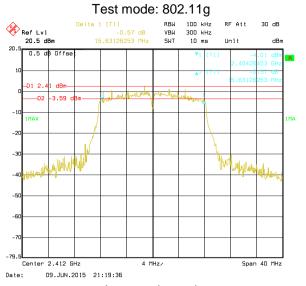


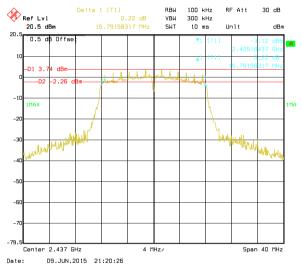
Middle channel



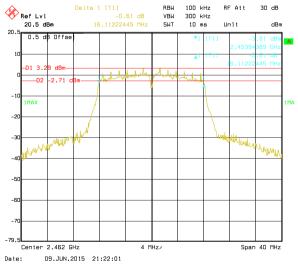
Highest channel







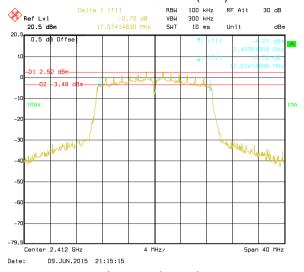
Middle channel



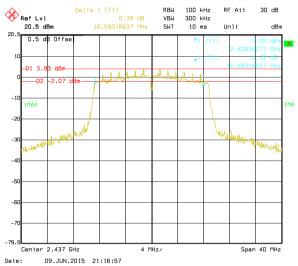
Highest channel



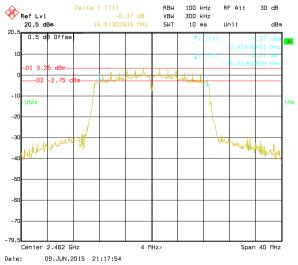
Test mode: 802.11n(H20)



Lowest channel



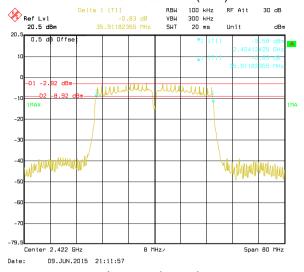
Middle channel



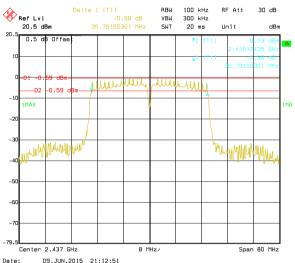
Highest channel



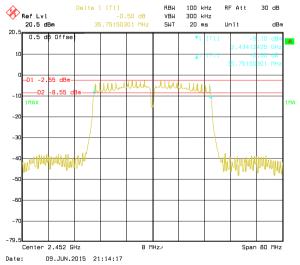
Test mode: 802.11n(H40)



Lowest channel



Middle channel

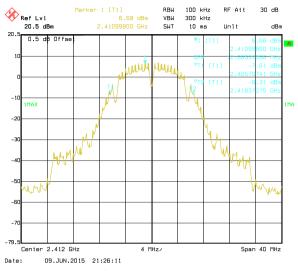


Highest channel



99% **OBW**

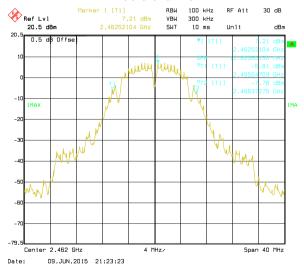
Test mode: 802.11b



Lowest channel

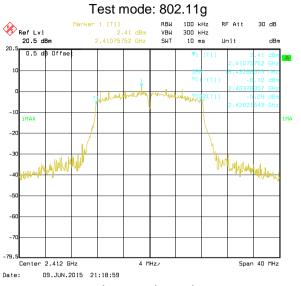


Middle channel

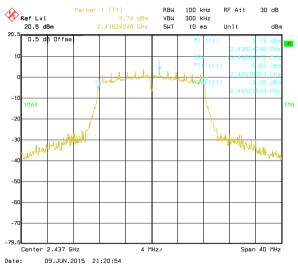


Highest channel

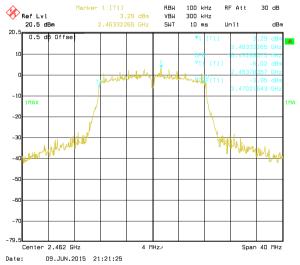








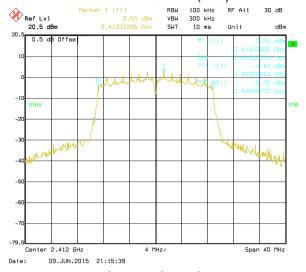
Middle channel



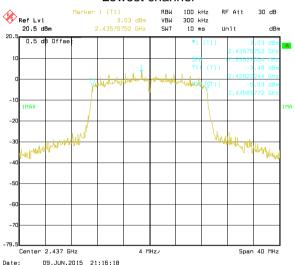
Highest channel



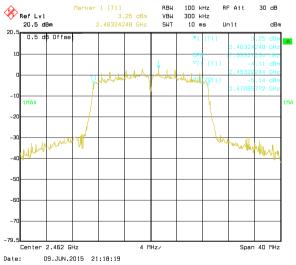
Test mode: 802.11n(H20)



Lowest channel



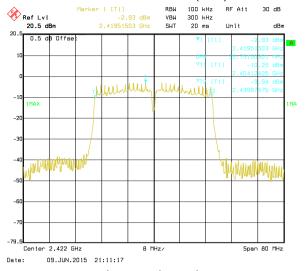
Middle channel



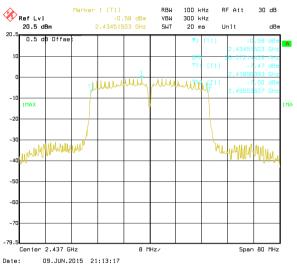
Highest channel



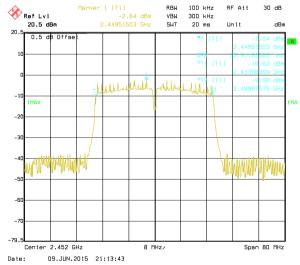
Test mode: 802.11n(H40)



Lowest channel



Middle channel



Highest channel



6.5 Power Spectral Density

Test Requirement:	FCC Part 15 C Section 15.247 (e)	
Test Method:	ANSI C63.4:2009 and KDB558074	
Limit:	8dBm	
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	

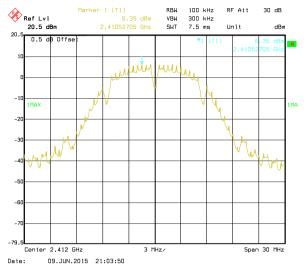
Measurement Data

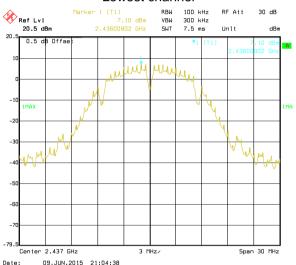
Test CH		Power Spec	Limit(dBm)	Result		
1631 011	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(dBin)	Result
Lowest	6.35	2.52	2.34	-2.92		
Middle	7.10	3.93	3.78	-0.57	8.00	Pass
Highest	7.28	3.24	3.28	-2.45		

Test plot as follows:

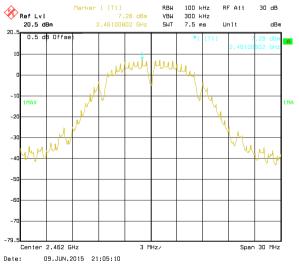






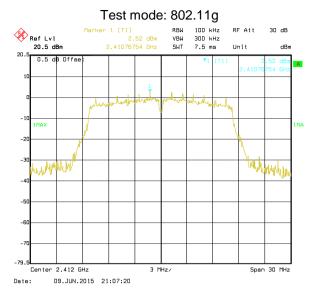


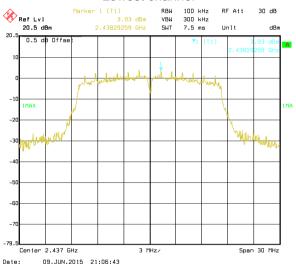
Middle channel



Highest channel







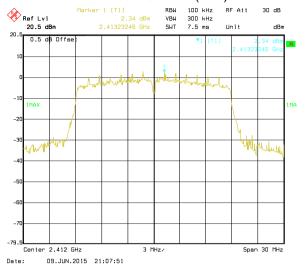
Middle channel



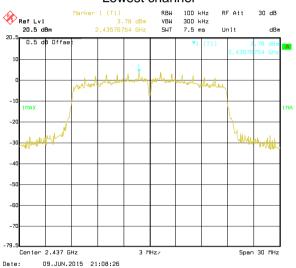
Highest channel



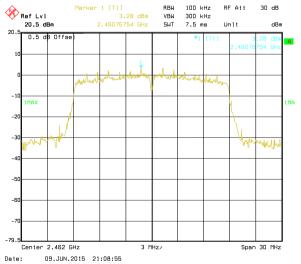
Test mode: 802.11n(H20)



Lowest channel



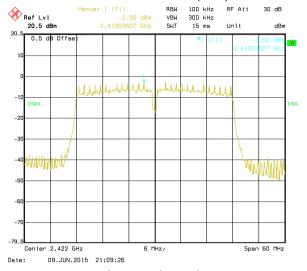
Middle channel



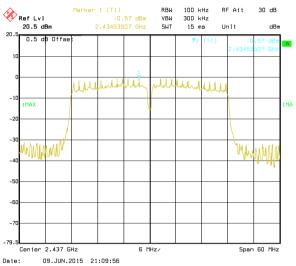
Highest channel



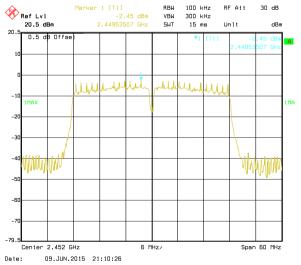
Test mode: 802.11n(H40)



Lowest channel



Middle channel



Highest channel





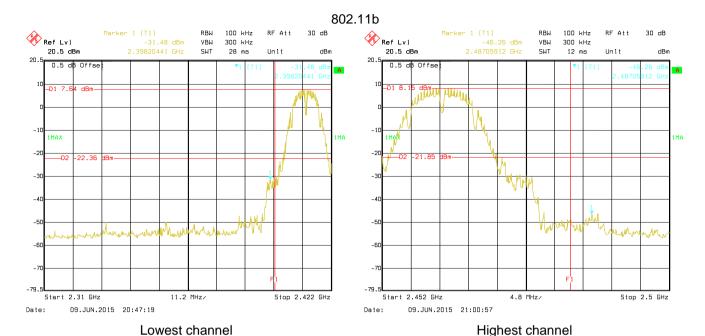
6.6 Band Edge

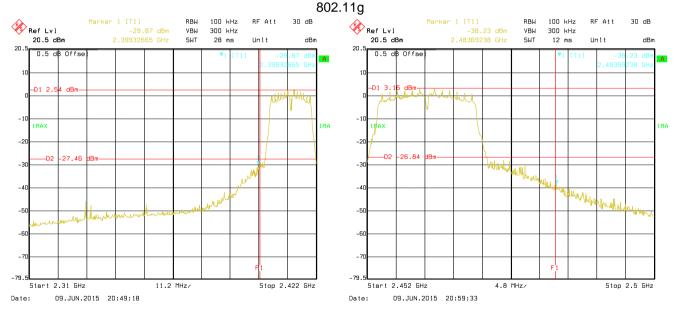
6.6.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)			
Test Method:	ANSI C63.4:2009 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:

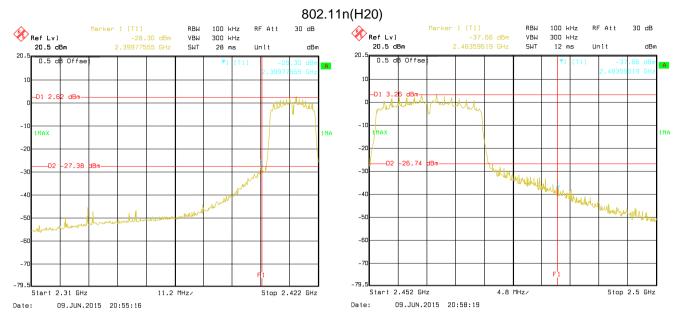




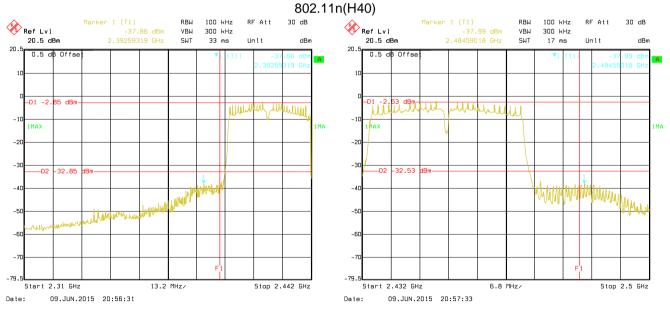


Lowest channel Highest channel





Lowest channel Highest channel



Lowest channel Highest channel





6.6.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205									
Test Method:	ANSI C63.4: 2009									
Test Frequency Range:	2.3GHz to 2.5GHz									
Test site:	Measurement Distance: 3m									
Receiver setup:	Frequency Detector RBW VBW Remark									
·	Above 1GHz	Peak	1MHz	3MHz	Peak Value					
	Above 1GHZ	Peak	1MHz	10Hz	Average Value					
Limit:	Frequency Limit (dBuV/m @3m) Rema									
	Above 1	GHz -	54.00		Average Value					
			74.0		Peak Value					
Test setup:	 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 turned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data sheet. 									
Test Instruments:	Refer to section 5.6 for details									
Test mode:	Refer to section 5.3 for details									
Test results:	Passed									

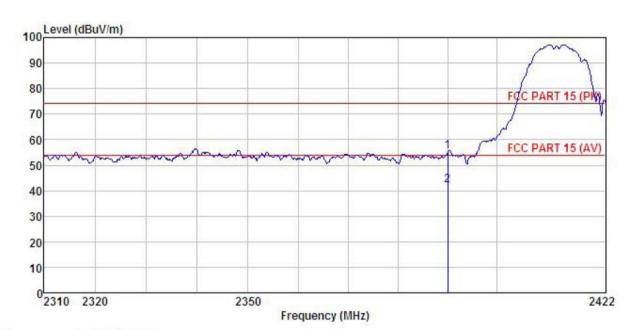




802.11b

Test channel: Lowest

Horizontal:



Site : 3m chamber

: FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL Condition

EUT : Mobile phone A35C

Model : A35C

Test mode : B-L mode Power Rating : AC120V/60Hz

Environment : Temp: 25.5°C Huni:55%

Test Engineer: Carey REMARK

						Level			
-	MHz	dBu₹	<u>dB</u> /m	<u>d</u> B	<u>dB</u>	dBuV/m	$\overline{dBuV/m}$	<u>dB</u>	
1 2	2390.000 2390.000								

Remark:

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

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