



RADIO TEST REPORT

Report No: STS1609036F03

Issued for

ITALCOM GROUP

1728 Coral Way, Coral Gables, Miami, Florida, United States 33145 (Zip code: 518048)

L A B

Product Name:	3G SMART PHONE
Brand Name:	NYX
Model Name:	EGO
Series Model:	N/A
FCC ID:	YPVITALCOMEGO
Test Standard:	FCC Part 15.247

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TEST RESULT CERTIFICATION

Applicant's name	ITALCOM GROUP		
Address:	1728 Coral Way, Coral Gables, Miami, Florida, United States 33145 (Zip code: 518048)		
Manufacture's Name:	Shenzhen qianhai aibo Science and Technology Ltd.		
Address:	room 303,Ling Nan building,NO.3081,Qiaoxiang Road,Futian District,Shenzhen city,Guangdong Province,China		
Product description			
Product name:	3G SMART PHONE		
Model and/or type reference .:	EGO		
Series Model:	N/A		
Standards:	FCC Part15.247		
Test procedure	. ANSI C63.10-2013		
under test (EUT) is in compliance sample identified in the report. This report shall not be reproduct	s been tested by STS, and the test results show that the equipment e with the FCC requirements. And it is applicable only to the tested sed except in full, without the written approval of STS, this document S, personal only, and shall be noted in the revision of the document.		
Date of Test			
Date (s) of performance of tests.			
Date of Issue	: 13 Sep. 2016		
Test Result	: Pass		
Testing Engi	neer : Juli		
Testing Engi	Tony Liu)		
Testing Engi	(Tony Liu)		
	(Tony Liu)		

(Bovey Yang)



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Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	13 Sep. 2016	STS1609036F03	ALL	Initial Issue





1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards: KDB 558074 D01 DTS Meas Guidance v03r05

FCC Part 15.247,Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247 (a)(2)	6dB Bandwidth	PASS	
15.247 (b)(3)	Output Power	PASS	
15.247 (c)	Radiated Spurious Emission	PASS	
15.247 (d)	Conducted Spurious & Band Edge Emission	PASS	
15.247 (e)	Power Spectral Density	PASS	
15.205	Restricted Band Emission	PASS	
15.203	Antenna Requirement	PASS	

NOTE:

- (1)" N/A" denotes test is not applicable in this Test Report
- (2) all tests are according to ANSI C63.10-2013.



1.1 TEST FACTORY

Shenzhen STS Test Services Co., Ltd.

Add.: 1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road,

Fuyong Street, Bao'an District, Shenzhen, Guangdong, China

CNAS Registration No.: L7649;

FCC Registration No.: 842334; IC Registration No.: 12108A-1

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission (9KHz-150KHz)	±2.88dB
2	Conducted Emission (150KHz-30MHz)	±2.67dB
3	RF power,conducted	±0.70dB
4	Spurious emissions,conducted	±1.19dB
5	All emissions,radiated(<30M) (9KHz-30MHz)	±2.45dB
6	All emissions,radiated(<1G) 30MHz-200MHz	±2.83dB
7	All emissions,radiated(<1G) 200MHz-1000MHz	±2.94dB
8	All emissions,radiated(>1G)	±3.03dB
9	Temperature	±0.5°C
10	Humidity	±2%





2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	3G SMART PHONE			
Trade Name	NYX			
Model Name	EGO			
Series Model	N/A			
Model Difference	N/A			
	The EUT is a 3G SI Operation Frequency:	MART PHONE 802.11b/g/n 20: 2412~2462 MHz 802.11n(40MHz):2422~2452MHz		
	Modulation Type:	CCK/BPSK/QPSK/16QAM		
Product Description	Bit Rate of Transmitter Number Of Channel Antenna Designation: Antenna Gain (dBi) Duty Cycle	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n(20MHz): 65/58.5/52/39/26/19.5/13/6.5 Mbps 802.11n(40MHz): 135/121.5/108/81/54/40.5/37/13.5 Mbps 802.11b/g/n20: 11CH 802.11n 40: 7CH Please see Note 3.		
Channel List	Please refer to the	Note 2.		
Adapter	Input: AC 100-240V, 150mA, 50/60Hz Output: DC 5V, 500mA			
Battery	Rated Voltage: 3.7V Capacity: 1600mAh			
Hardware version number	NYX_EGO_001			
Software version number	EGO_AMXNYX_V001R			
Connecting I/O Port(s)	Please refer to the User's Manual			

Note:

For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



	Operation Frequency of channel				
802.	11b/g/n(20MHz)	Channe	l List for 802.11n(40MHz)		
Channel	Frequency	Channel	Frequency		
01	2412	03	2422		
02	2417	04	2427		
03	2422	05	2432		
04	2427	06	2437		
05	2432	07	2442		
06	2437	08	2447		
07	2442	09	2452		
08	2447				
09	2452				
10	2457				
11	2462				

3 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:

Carrier Frequency Channel

2.4GHz Test Frequency:

z.+Onz restriequency.				
For 802.11b/g/n (HT20)		For 802.11n (HT40)		
Channel	Freq.(MHz)	Channel	Freq.(MHz)	
01	2412	03	2422	
06	2437	06	2437	
11	2462	09	2452	

3

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	NYX	EGO	PIFA Antenna	N/A	-1	WIFI Antenna



2.2 DESCRIPTION OF TEST MODES

Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Worst Mode	Description	Data Rate
Mode 1	TX IEEE 802.11b CH1	1 Mbps
Mode 2	TX IEEE 802.11b CH6	1 Mbps
Mode 3	TX IEEE 802.11 b CH11	1 Mbps
Mode 4	TX IEEE 802.11g CH1	6 Mbps
Mode 5	TX IEEE 802.11g CH6	6 Mbps
Mode 6	TX IEEE 802.11g CH11	6 Mbps
Mode 7	TX IEEE 802.11n HT20 CH1	MCS 0
Mode 8	TX IEEE 802.11n HT20 CH6	MCS 0
Mode 9	TX IEEE 802.11n HT20 CH11	MCS 0
Mode 10	TX IEEE 802.11n HT40 CH3	MCS 0
Mode 11	TX IEEE 802.11n HT40 CH6	MCS 0
Mode 12	TX IEEE 802.11n HT40 CH9	MCS 0

Note:

- (1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported
- (2) We have be tested for all avaiable U.S. voltage and frequencies(For 120V,50/60Hz and 240V, 50/60Hz) for which the device is capable of operation.
- (3) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

AC Conducted Emission

Test Case			
AC Conducted	Model 2: Keeping WIELTY		
Mode13: Keeping WIFI TX Emission			

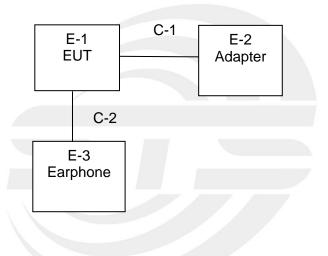


2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious EmissionTest

E-1 EUT

Conducted Emission Test





2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
E-1	3G SMART PHONE	NYX	EGO	N/A	EUT
E-2	Adapter	N/A	N/A	N/A	EUT
E-3	Earphone	N/A	N/A	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note
	USB Cable			
C-1	shielded line	NO	100cm	N/A
	(Charging)			
C-2	Earphone line	NO	110cm	N/A
	4			
	, , , , , , , , , , , , , , , , , , ,			N.

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- For detachable type I/O cable should be specified the length in cm in Length column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Tradiation Test eq	арттотт				
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Spectrum Analyzer	Agilent	E4407B	MY50140340	2015.10.25	2016.10.24
Test Receiver	R&S	ESCI	101427	2015.10.25	2016.10.24
Bilog Antenna	TESEQ	CBL6111D	34678	2015.11.25	2016.11.24
Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1343	2016.03.06	2017.03.05
Horn Antenna	Schwarzbeck	BBHA 9170	9170-0741	2016.03.06	2017.03.05
50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2016.06.06	2017.06.05
PreAmplifier	Agilent	8449B	60538	2015.10.25	2016.10.24
Loop Antenna	ARA	PLA-1030/B	1029	2016.06.08	2017.06.07
Preamplifier	Agilent	8449B	60538	2015.11.05	2016.11.05
Low frequency cable	EM	R01	N/A	N/A	N/A
High frequency cable	SCHWARZBECK	AK9515H	SN-96286/9628 7	N/A	N/A

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESPI	102086	2015.11.20	2016.11.19
LISN	R&S	ENV216	101242	2015.10.25	2016.10.24
LISN	EMCO	3810/2NM	000-23625	2015.10.25	2016.10.24
Conduction Cable	EM	C01	N/A	N/A	N/A

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
USB RF power sensor	DARE	RPR3006W	15I00041SNO03	2015.10.25	2016.10.24
Spectrum Analyzer	Agilent	E4407B	MY50140340	2015.10.25	2016.10.24
Signal Analyzer	Agilent	N9020A	MY49100060	2015.11.18	2016.11.17



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

operating frequency band. In case the emission fall within the restricted band specified on Part 15. 207(a) limit in the table below has to be followed.

EDEOLIENCY (MH-)	Conducted Emission limit (dBuV)		
FREQUENCY (MHz)	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	
0.50 -5.0	56.00	46.00	
5.0 -30.0	60.00	50.00	

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

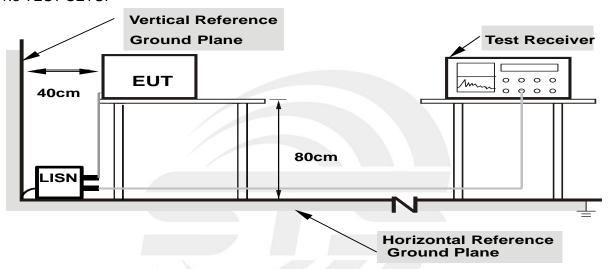
Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.1.3 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



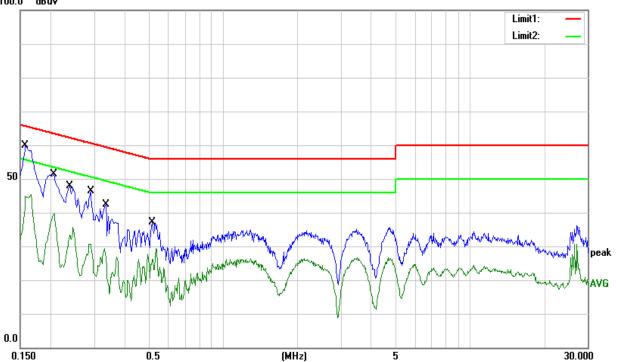
3.1.5 TEST RESULT

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	L
Test Mode:	Mode 13		

Frequency	Reading	Correct	Result	Limit	Margin	Domork
(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	Remark
0.1580	50.65	9.23	59.88	65.57	-5.69	QP
0.1580	35.52	9.23	44.75	55.57	-10.82	AVG
0.2060	42.03	9.22	51.25	63.37	-12.12	QP
0.2060	30.41	9.22	39.63	53.37	-13.74	AVG
0.2380	38.60	9.19	47.79	62.17	-14.38	QP
0.2380	24.17	9.19	33.36	52.17	-18.81	AVG
0.2900	37.13	9.14	46.27	60.52	-14.25	QP
0.2900	20.79	9.14	29.93	50.52	-20.59	AVG
0.3340	33.17	9.23	42.40	59.35	-16.95	QP
0.3340	17.39	9.23	26.62	49.35	-22.73	AVG
0.5140	28.04	9.15	37.19	56.00	-18.81	QP
0.5140	17.00	9.15	26.15	46.00	-19.85	AVG

Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Margin = Result (Result = Reading + Factor)—Limit 100.0 dBuV





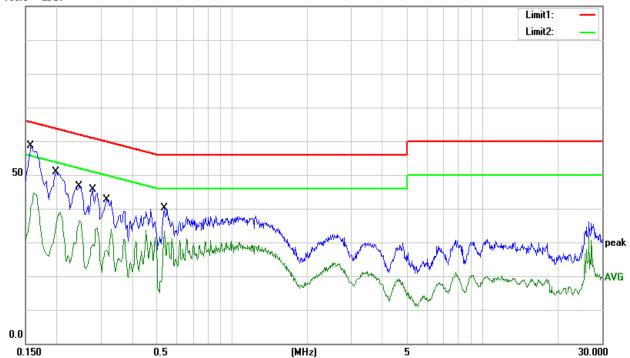
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Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	N
Test Mode:	Mode 13		

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	Remark
0.1580	49.33	9.23	58.56	65.57	-7.01	QP
0.1580	31.40	9.23	40.63	55.57	-14.94	AVG
0.1980	41.65	9.23	50.88	63.69	-12.81	QP
0.1980	26.07	9.23	35.30	53.69	-18.39	AVG
0.2460	37.39	9.18	46.57	61.89	-15.32	QP
0.2460	27.24	9.18	36.42	51.89	-15.47	AVG
0.2780	36.57	9.15	45.72	60.88	-15.16	QP
0.2780	20.06	9.15	29.21	50.88	-21.67	AVG
0.3180	33.48	9.15	42.63	59.76	-17.13	QP
0.3180	18.37	9.15	27.52	49.76	-22.24	AVG
0.5380	30.93	9.16	40.09	56.00	-15.91	QP
0.5380	24.15	9.16	33.31	46.00	-12.69	AVG

Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Margin = Result (Result = Reading + Factor)-Limit 100.0 dBuV





3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS

in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on Part 15. 205(a)&209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (1000MHz-25GHz)

	Class B (dE	BuV/m) (at 3M)
FREQUENCY (MHz)	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

For Radiated Emission

Spectrum Parameter	Setting			
Attenuation	Auto			
Detector	Peak			
Start Frequency	1000 MHz(Peak/AV)			
Stop Frequency	10 th carrier hamonic(Peak/AV)			
RB / VB (emission in restricted	4 MLI- /2MLI-			
band)	1 MHz /3MHz			

For Band edge

Spectrum Parameter	Setting		
Detector	Peak		
Ctort/Ctor Fraguency	Lower Band Edge: 2300 to 2430 MHz		
Start/Stop Frequency	Upper Band Edge: 2450 to 2500 MHz		
RB / VB (emission in restricted band)	1 MHz /3MHz		





Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

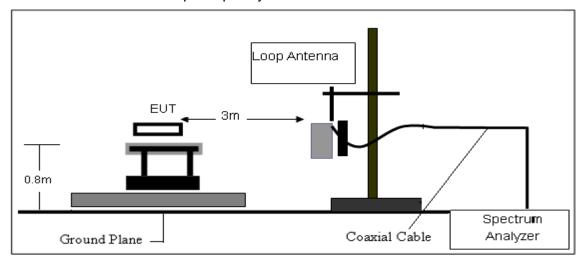
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz
- b. The EUT was placed on the top of a rotating table 0.8 meters(above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment shall be 0.8 m(above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarizations of the antenna are set to make the measurement
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Both horizontal and vertical antenna polarities were tested and performed test to three orthogonal axis. The worst case emissions were reported

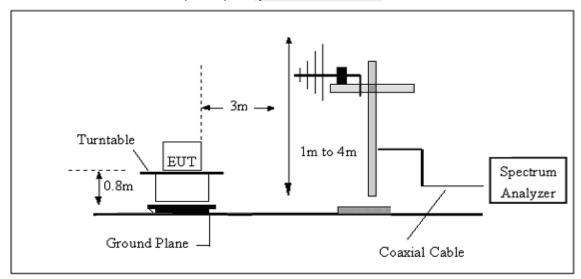


3.2.3 TEST SETUP

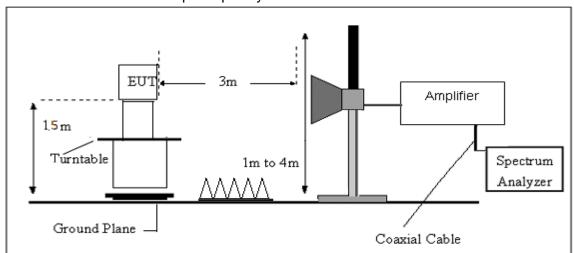
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3.2.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.





3.2.5 TEST RESULT

9KHz-30MHz

Temperature:	20 ℃	Relative Humidtity:	48%	
Pressure:	1010 hPa	Test Voltage :	DC 3.7V from battery	
Test Mode:	TX Mode	Polarization:		

Freq.	Reading	Limit	Margin	State	Test
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F	Result
					PASS
					PASS

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.



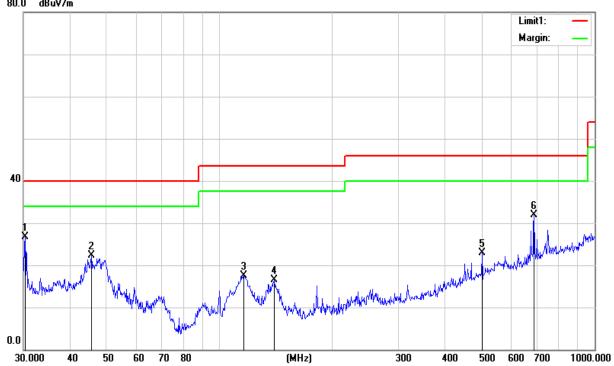
(30MHz - 1000MHz)

Temperature:	20 ℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage:	DC 3.7V from battery
LACT IVIDAA .	Mode 1/2/3/4/5/6/7/8/9/10/11/12 (Mode 3-1M worst mode)	Polarization :	Horizontal

Frequency	Reading Correct		Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
30.3173	37.85	-11.22	26.63	40.00	-13.37	QP
45.5348	41.47	-19.09	22.38	40.00	-17.62	QP
116.1321	35.14	-17.65	17.49	43.50	-26.01	QP
139.8508	33.65	-17.18	16.47	43.50	-27.03	QP
501.1790	31.23	-8.33	22.90	46.00	-23.10	QP
689.5644	36.91	-4.92	31.99	46.00	-14.01	QP

Remark:

1. Margin = Result (Result = Reading + Factor)–Limit





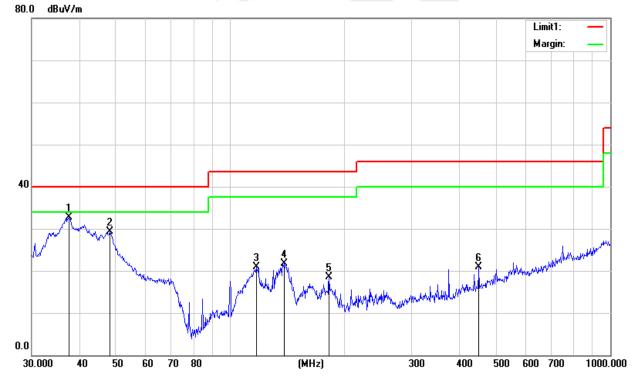
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Temperature:	20 ℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V from battery
LIAST IVIONA .	Mode 1/2/3/4/5/6/7/8/9/10/11/12 (Mode 3-1M worst mode)	Polarization:	Vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
37.6798	47.68	-15.02	32.66	40.00	-7.34	QP
48.1626	49.73	-20.42	29.31	40.00	-10.69	QP
116.9495	38.53	-17.60	20.93	43.50	-22.57	QP
138.3873	38.96	-17.19	21.77	43.50	-21.73	QP
181.9202	37.79	-19.26	18.53	43.50	-24.97	QP
451.1350	30.89	-9.93	20.96	46.00	-25.04	QP

Remark:.

1. Margin = Result (Result =Reading + Factor)–Limit





802.11b Low Channel

	Meter			Antenna	Orrected	Emission				
Frequency	Reading	Amplifier	Loss	Factor	Factor	Level	Limits	Margin	Detector	
(MHz)	(dBµV)	(dB)	(dB)	(dB/m)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	Comment
				Low Cl	hannel (2412 M	1Hz)				
3265.10	49.95	44.70	6.70	28.20	-9.80	40.15	74.00	-33.85	PK	Vertical
3265.10	39.95	44.70	6.70	28.20	-9.80	30.15	54.00	-23.85	AV	Vertical
3265.06	49.93	44.70	6.70	28.20	-9.80	40.13	74.00	-33.87	PK	Horizontal
3265.06	39.95	44.70	6.70	28.20	-9.80	30.15	54.00	-23.85	AV	Horizontal
4824.78	60.26	44.20	9.04	31.60	-3.56	56.70	74.00	-17.30	PK	Vertical
4824.78	50.28	44.20	9.04	31.60	-3.56	46.72	54.00	-7.28	AV	Vertical
4824.81	60.25	44.20	9.04	31.60	-3.56	56.69	74.00	-17.31	PK	Horizontal
4824.81	50.25	44.20	9.04	31.60	-3.56	46.69	54.00	-7.31	AV	Horizontal
5360.09	47.16	44.20	9.86	32.00	-2.34	44.82	74.00	-29.18	PK	Vertical
5360.09	39.17	44.20	9.86	32.00	-2.34	36.83	54.00	-17.17	AV	Vertical
5360.07	47.22	44.20	9.86	32.00	-2.34	44.88	74.00	-29.12	PK	Horizontal
5360.07	39.16	44.20	9.86	32.00	-2.34	36.82	54.00	-17.18	AV	Horizontal
7236.18	52.68	43.50	11.40	35.50	3.40	56.08	74.00	-17.92	PK	Vertical
7236.18	44.65	43.50	11.40	35.50	3.40	48.05	54.00	-5.95	AV	Vertical
7236.16	52.61	43.50	11.40	35.50	3.40	56.01	74.00	-17.99	PK	Horizontal
7236.16	44.62	43.50	11.40	35.50	3.40	48.02	54.00	-5.98	AV	Horizontal
11036.22	41.90	43.60	14.30	39.50	10.20	52.10	74.00	-21.90	PK	Vertical
11036.22	31.85	43.60	14.30	39.50	10.20	42.05	54.00	-11.95	AV	Vertical
11036.47	41.87	43.60	14.30	39.50	10.20	52.07	74.00	-21.93	PK	Horizontal
11036.47	31.88	43.60	14.30	39.50	10.20	42.08	54.00	-11.92	AV	Horizontal
13299.62	41.68	42.60	15.90	38.90	12.20	53.88	74.00	-20.12	PK	Vertical
13299.62	31.76	42.60	15.90	38.90	12.20	43.96	54.00	-10.04	AV	Vertical
13299.74	41.76	42.60	15.90	38.90	12.20	53.96	74.00	-20.04	PK	Horizontal
13299.74	30.69	42.60	15.90	38.90	12.20	42.89	54.00	-11.11	AV	Horizontal
16000.15	41.78	42.70	18.00	37.10	12.40	54.18	74.00	-19.82	PK	Vertical
16000.15	31.77	42.70	18.00	37.10	12.40	44.17	54.00	-9.83	AV	Vertical
16000.04	41.77	42.70	18.00	37.10	12.40	54.17	74.00	-19.83	PK	Horizontal
16000.04	31.02	42.70	18.00	37.10	12.40	43.42	54.00	-10.58	AV	Horizontal
17998.14	31.90	42.70	19.40	46.50	23.20	55.10	74.00	-18.90	PK	Vertical
17998.14	21.90	42.70	19.40	46.50	23.20	45.10	54.00	-8.90	AV	Vertical
17998.01	31.90	42.70	19.40	46.50	23.20	55.10	74.00	-18.90	PK	Horizontal
17998.01	21.96	42.70	19.40	46.50	23.20	45.16	54.00	-8.84	AV	Horizontal

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802.11b Mid Channel

	Meter			Antenna	Orrected	Emission				
Frequency	Reading	Amplifier	Loss	Factor	Factor	Level	Limits	Margin	Detector	
(MHz)	(dBµV)	(dB)	(dB)	(dB/m)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	Comment
				Low C	hannel (2437 N	ЛНz)				
3265.00	49.89	44.70	6.70	28.20	-9.80	40.09	74.00	-33.91	PK	Vertical
3265.00	39.83	44.70	6.70	28.20	-9.80	30.03	54.00	-23.97	AV	Vertical
3264.95	49.83	44.70	6.70	28.20	-9.80	40.03	74.00	-33.97	PK	Horizontal
3264.95	39.85	44.70	6.70	28.20	-9.80	30.05	54.00	-23.95	AV	Horizontal
4874.76	60.15	44.20	9.04	31.60	-3.56	56.59	74.00	-17.41	PK	Vertical
4874.76	50.18	44.20	9.04	31.60	-3.56	46.62	54.00	-7.38	AV	Vertical
4874.70	60.20	44.20	9.04	31.60	-3.56	56.64	74.00	-17.36	PK	Horizontal
4874.70	50.13	44.20	9.04	31.60	-3.56	46.57	54.00	-7.43	AV	Horizontal
5359.97	47.08	44.20	9.86	32.00	-2.34	44.74	74.00	-29.26	PK	Vertical
5359.97	39.10	44.20	9.86	32.00	-2.34	36.76	54.00	-17.24	AV	Vertical
5360.00	47.13	44.20	9.86	32.00	-2.34	44.79	74.00	-29.21	PK	Horizontal
5360.00	39.04	44.20	9.86	32.00	-2.34	36.70	54.00	-17.30	AV	Horizontal
7336.05	52.58	43.50	11.40	35.50	3.40	55.98	74.00	-18.02	PK	Vertical
7336.05	44.54	43.50	11.40	35.50	3.40	47.94	54.00	-6.06	AV	Vertical
7336.04	52.59	43.50	11.40	35.50	3.40	55.99	74.00	-18.01	PK	Horizontal
7336.04	44.54	43.50	11.40	35.50	3.40	47.94	54.00	-6.06	AV	Horizontal
11036.11	41.84	43.60	14.30	39.50	10.20	52.04	74.00	-21.96	PK	Vertical
11036.11	31.82	43.60	14.30	39.50	10.20	42.02	54.00	-11.98	AV	Vertical
11036.11	41.80	43.60	14.30	39.50	10.20	52.00	74.00	-22.00	PK	Horizontal
11036.11	31.81	43.60	14.30	39.50	10.20	42.01	54.00	-11.99	AV	Horizontal
13299.71	41.61	42.60	15.90	38.90	12.20	53.81	74.00	-20.19	PK	Vertical
13299.71	31.64	42.60	15.90	38.90	12.20	43.84	54.00	-10.16	AV	Vertical
13299.62	41.72	42.60	15.90	38.90	12.20	53.92	74.00	-20.08	PK	Horizontal
13299.62	30.66	42.60	15.90	38.90	12.20	42.86	54.00	-11.14	AV	Horizontal
15999.98	41.69	42.70	18.00	37.10	12.40	54.09	74.00	-19.91	PK	Vertical
15999.98	31.70	42.70	18.00	37.10	12.40	44.10	54.00	-9.90	AV	Vertical
15999.99	41.67	42.70	18.00	37.10	12.40	54.07	74.00	-19.93	PK	Horizontal
15999.99	30.99	42.70	18.00	37.10	12.40	43.39	54.00	-10.61	AV	Horizontal
17998.13	31.79	42.70	19.40	46.50	23.20	54.99	74.00	-19.01	PK	Vertical
17998.13	21.86	42.70	19.40	46.50	23.20	45.06	54.00	-8.94	AV	Vertical
17998.00	31.88	42.70	19.40	46.50	23.20	55.08	74.00	-18.92	PK	Horizontal
17998.00	21.84	42.70	19.40	46.50	23.20	45.04	54.00	-8.96	AV	Horizontal





802.11b High Channel

	Meter			Antenna	Orrected	Emission				
Frequency	Reading	Amplifier	Loss	Factor	Factor	Level	Limits	Margin	Detector	
(MHz)	(dBµV)	(dB)	(dB)	(dB/m)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	Comment
Low Channel (2462 MHz)										
3265.07	49.80	44.70	6.70	28.20	-9.80	40.00	74.00	-34.00	PK	Vertical
3265.07	39.77	44.70	6.70	28.20	-9.80	29.97	54.00	-24.03	AV	Vertical
3265.04	49.72	44.70	6.70	28.20	-9.80	39.92	74.00	-34.08	PK	Horizontal
3265.04	39.79	44.70	6.70	28.20	-9.80	29.99	54.00	-24.01	AV	Horizontal
4924.82	60.08	44.20	9.04	31.60	-3.56	56.52	74.00	-17.48	PK	Vertical
4924.82	50.11	44.20	9.04	31.60	-3.56	46.55	54.00	-7.45	AV	Vertical
4924.78	60.10	44.20	9.04	31.60	-3.56	56.54	74.00	-17.46	PK	Horizontal
4924.78	50.02	44.20	9.04	31.60	-3.56	46.46	54.00	-7.54	AV	Horizontal
5360.04	46.98	44.20	9.86	32.00	-2.34	44.64	74.00	-29.36	PK	Vertical
5360.04	38.98	44.20	9.86	32.00	-2.34	36.64	54.00	-17.36	AV	Vertical
5360.03	47.03	44.20	9.86	32.00	-2.34	44.69	74.00	-29.31	PK	Horizontal
5360.03	38.97	44.20	9.86	32.00	-2.34	36.63	54.00	-17.37	AV	Horizontal
7386.16	52.49	43.50	11.40	35.50	3.40	55.89	74.00	-18.11	PK	Vertical
7386.16	44.48	43.50	11.40	35.50	3.40	47.88	54.00	-6.12	AV	Vertical
7386.20	52.51	43.50	11.40	35.50	3.40	55.91	74.00	-18.09	PK	Horizontal
7386.20	44.46	43.50	11.40	35.50	3.40	47.86	54.00	-6.14	AV	Horizontal
11036.21	41.75	43.60	14.30	39.50	10.20	51.95	74.00	-22.05	PK	Vertical
11036.21	31.70	43.60	14.30	39.50	10.20	41.90	54.00	-12.10	AV	Vertical
11036.19	41.76	43.60	14.30	39.50	10.20	51.96	74.00	-22.04	PK	Horizontal
11036.19	31.75	43.60	14.30	39.50	10.20	41.95	54.00	-12.05	AV	Horizontal
16000.09	41.58	42.70	18.00	37.10	12.40	53.98	74.00	-20.02	PK	Vertical
16000.09	31.58	42.70	18.00	37.10	12.40	43.98	54.00	-10.02	AV	Vertical
16000.05	41.61	42.70	18.00	37.10	12.40	54.01	74.00	-19.99	PK	Horizontal
16000.05	30.88	42.70	18.00	37.10	12.40	43.28	54.00	-10.72	AV	Horizontal
17998.22	31.72	42.70	19.40	46.50	23.20	54.92	74.00	-19.08	PK	Vertical
17998.22	21.76	42.70	19.40	46.50	23.20	44.96	54.00	-9.04	AV	Vertical
17998.09	31.75	42.70	19.40	46.50	23.20	54.95	74.00	-19.05	PK	Horizontal
17998.09	21.78	42.70	19.40	46.50	23.20	44.98	54.00	-9.02	AV	Horizontal

Remark:

- 1. Factor = Antenna Factor + Cable Loss Pre-amplifier.
- 2. Scan with 802.11b, 802.11g, 802.11n (HT-20), 802.11n (HT-40) the worst case is 802.11b. Emission Level = Meter Reading + Factor Margin = Limit Emission Leve
- 3. The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.

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3.2.6 TEST RESULTS (Band edge)

	Meter			Antenna	Orrected	Emission				
Frequency	Reading	Amplifier	Loss	Factor	Factor	Level	Limits	Margin	Detector	
(MHz)	(dBµV)	(dB)	(dB)	(dB/m)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	Comment
	802.11b									
2400.00	69.18	43.80	4.91	25.90	-12.99	56.19	74	-17.81	PK	Vertical
2400.00	54.99	43.80	4.91	25.90	-12.99	42.00	54	-12.00	AV	Vertical
2400.00	70.23	43.80	4.91	25.90	-12.99	57.24	74	-16.76	PK	Horizontal
2400.00	54.13	43.80	4.91	25.90	-12.99	41.14	54	-12.86	AV	Horizontal
2483.50	71.03	43.80	5.12	25.90	-12.78	58.25	74	-15.75	PK	Vertical
2483.50	54.04	43.80	5.12	25.90	-12.78	41.26	54	-12.74	AV	Vertical
2483.50	71.08	43.80	5.12	25.90	-12.78	58.30	74	-15.70	PK	Horizontal
2483.50	54.05	43.80	5.12	25.90	-12.78	41.27	54	-12.73	AV	Horizontal
			/		802.11g					
2400.00	67.96	43.80	4.91	25.90	-12.99	54.97	74	-19.03	PK	Vertical
2400.00	54.08	43.80	4.91	25.90	-12.99	41.09	54	-12.91	AV	Vertical
2400.00	67.11	43.80	4.91	25.90	-12.99	54.12	74	-19.88	PK	Horizontal
2400.00	54.99	43.80	4.91	25.90	-12.99	42.00	54	-12.00	AV	Horizontal
2483.50	67.07	43.80	5.12	25.90	-12.78	54.29	74	-19.71	PK	Vertical
2483.50	54.28	43.80	5.12	25.90	-12.78	41.50	54	-12.50	AV	Vertical
2483.50	67.03	43.80	5.12	25.90	-12.78	54.25	74	-19.75	PK	Horizontal
2483.50	54.17	43.80	5.12	25.90	-12.78	41.39	54	-12.61	AV	Horizontal
					802.11n20					
2400.00	67.11	43.80	4.91	25.90	-12.99	54.12	74	-19.88	PK	Vertical
2400.00	54.03	43.80	4.91	25.90	-12.99	41.04	54	-12.96	AV	Vertical
2400.00	67.06	43.80	4.91	25.90	-12.99	54.07	74	-19.93	PK	Horizontal
2400.00	54.08	43.80	4.91	25.90	-12.99	41.09	54	-12.91	AV	Horizontal
2483.50	67.16	43.80	5.12	25.90	-12.78	54.38	74	-19.62	PK	Vertical
2483.50	54.05	43.80	5.12	25.90	-12.78	41.27	54	-12.73	AV	Vertical
2483.50	67.04	43.80	5.12	25.90	-12.78	54.26	74	-19.74	PK	Horizontal
2483.50	54.03	43.80	5.12	25.90	-12.78	41.25	54	-12.75	AV	Horizontal



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	Meter			Antenna	Orrected	Emission				
Frequency	Reading	Amplifier	Loss	Factor	Factor	Level	Limits	Margin	Detector	
(MHz)	(dBµV)	(dB)	(dB)	(dB/m)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	Comment
					802.11n40					
2400.00	65.01	43.80	4.91	25.90	-12.99	52.02	74	-21.98	PK	Vertical
2400.00	52.99	43.80	4.91	25.90	-12.99	40.00	54	-14.00	AV	Vertical
2400.00	64.94	43.80	4.91	25.90	-12.99	51.95	74	-22.05	PK	Horizontal
2400.00	52.03	43.80	4.91	25.90	-12.99	39.04	54	-14.96	AV	Horizontal
2483.50	64.10	43.80	5.12	25.90	-12.78	51.32	74	-22.68	PK	Vertical
2483.50	52.03	43.80	5.12	25.90	-12.78	39.25	54	-14.75	AV	Vertical
2483.50	64.99	43.80	5.12	25.90	-12.78	52.21	74	-21.79	PK	Horizontal
2483.50	52.93	43.80	5.12	25.90	-12.78	40.15	54	-13.85	AV	Horizontal

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Low measurement frequencies is range from 2310 to 2400 MHz, high measurement frequencies is range from 2483.5 to 2500 MHz.

Only show the worst point data of the emissions in the frequency 2310-2400 MHz and 2483.5-2500 MHz.



4. CONDUCTED SPURIOUS & BAND EDGE EMISSION

4.1 APPLIED PROCEDURES / LIMIT

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

4.2 TEST PROCEDURE

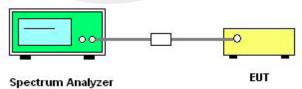
Spectrum Parameter	Setting		
Detector	Peak		
Start/Stop Frequency	30 MHz to 10th carrier harmonic		
RB / VB (emission in restricted band)	100 KHz/300 KHz		
Trace-Mode:	Max hold		

For Band edge

Spectrum Parameter	Setting		
Detector	Peak		
Stort/Ston Fraguency	Lower Band Edge: 2300 to 2430 MHz		
Start/Stop Frequency	Upper Band Edge: 2450 to 2500 MHz		
RB / VB (emission in restricted band)	100 KHz/300 KHz		
Trace-Mode:	Max hold		

4.3 DEVIATION FROM STANDARD No deviation.

4.4 TEST SETUP



The EUT which is powered by the Battery, is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 500hm; the path loss as the factor is calibrated to correct the reading.

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

4.5 EUT OPERATION CONDITIONS

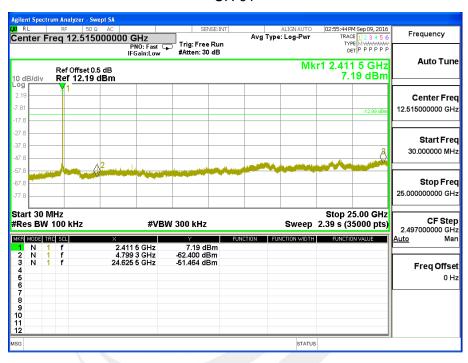
The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

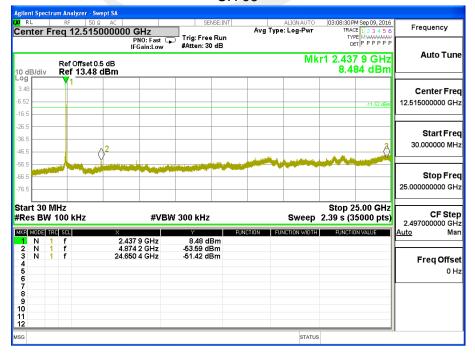


4.6 TEST RESULTS

Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX b Mode /CH01, CH06, CH1	1	

CH 01







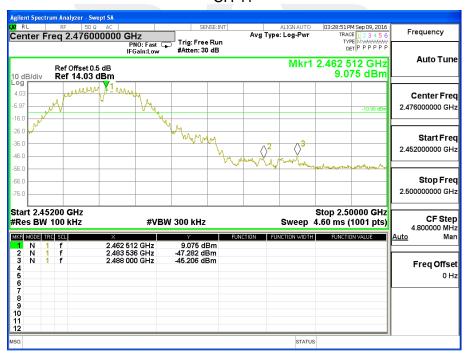




Band edge

CH 01



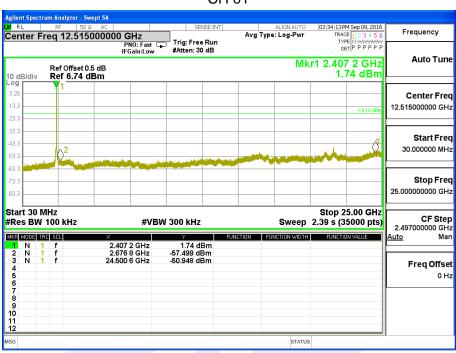


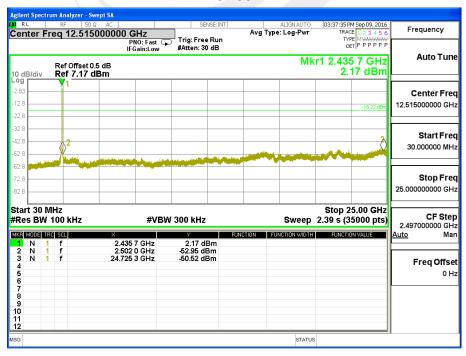


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Temperature :	25 ℃	Relative Humidity:	60%	
Pressure :	1015 hPa	Test Voltage :	DC 3.7V	
Test Mode :	TX g Mode /CH01, CH06, CH11			

CH 01







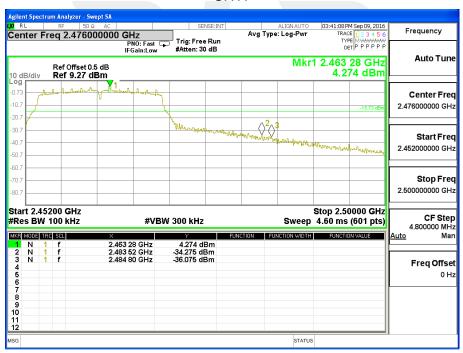




Band edge

CH 01



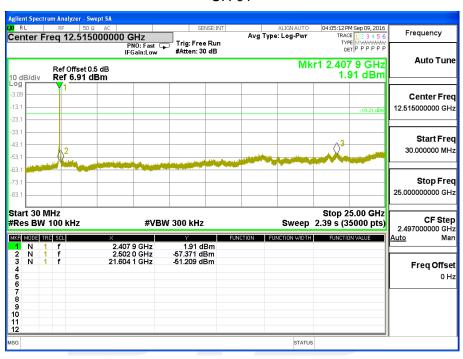


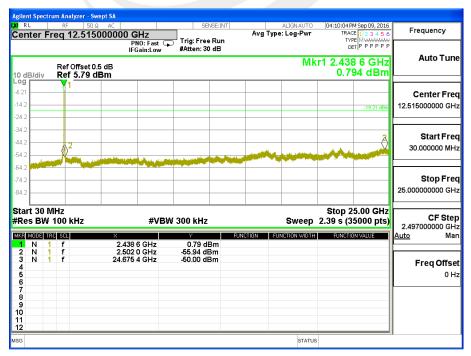


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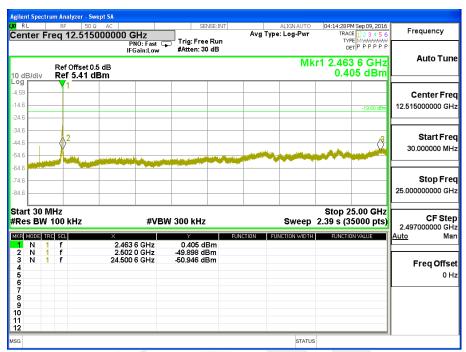
Temperature :	25 ℃	Relative Humidity:	60%	
Pressure :	1015 hPa	Test Voltage :	DC 3.7V	
Test Mode :	TX n Mode(20M) /CH01, CH06, CH11			

CH 01











Band edge

CH 01



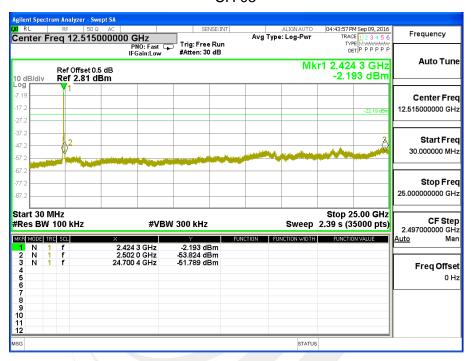




Report No.: STS1609036F03

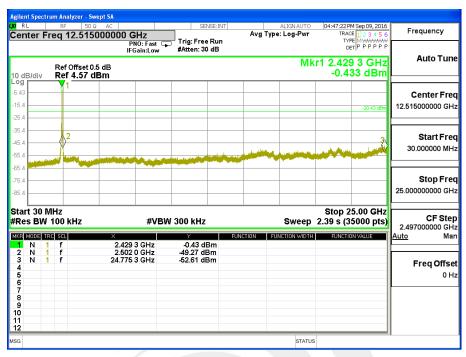


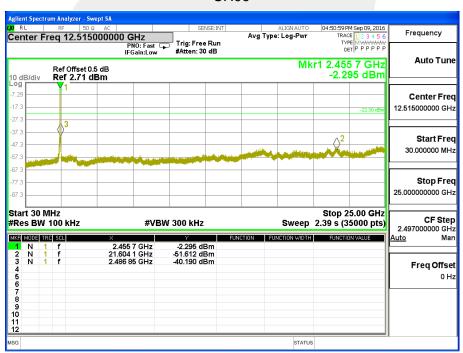
Temperature :	25 ℃	Relative Humidity:	60%	
Pressure :	1015 hPa	Test Voltage :	DC 3.7V	
Test Mode :	TX n Mode(40M) /CH03, CH06, CH09			





CH06



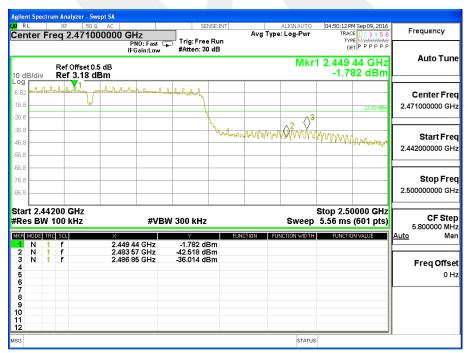




Band edge

CH03







5. POWER SPECTRAL DENSITY TEST

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C					
Section	Test Item	Limit	Frequency Range (MHz)	Result	
15.247(e)	Power Spectral Density	≤8 dBm (RBW ≥ 3KHz)	2400-2483.5	PASS	

5.2 TEST PROCEDURE

- 1. Set analyzer center frequency to DTS channel center frequency.
- 2. Set the span to 1.5 times the DTS channel bandwidth.
- 3. Set the 100 kHz \geq RBW \geq 3 kHz.
- 4. Set the VBW \geq 3 x RBW.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.3 DEVIATION FROM STANDARD No deviation.

5.4 TEST SETUP

EUT	SPECTRUM
	ANALYZER

5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



5.6 TEST RESULTS

Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX b Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm/3kHz)	Limit (dBm)	Result
2412 MHz	-1.637	8≥	PASS
2437 MHz	-2.908	≤8	PASS
2462 MHz	-3.066	≤8	PASS







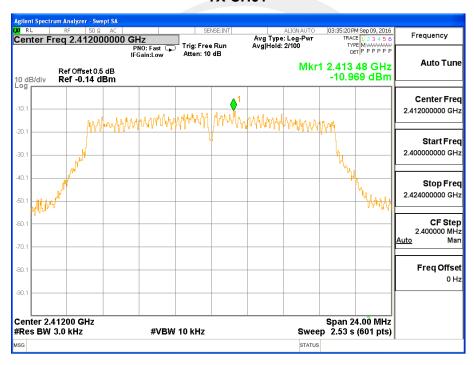




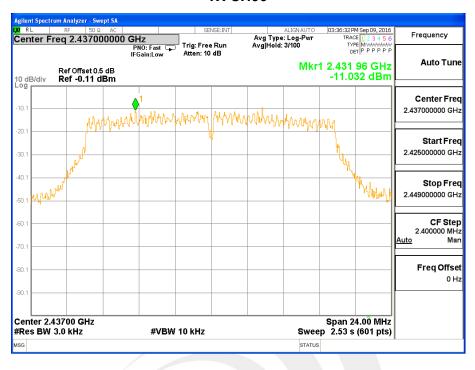
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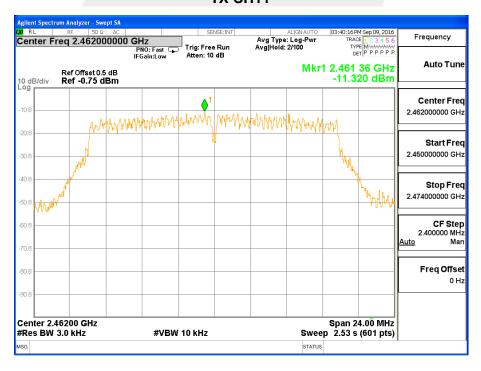
Temperature :	25 ℃	Relative Humidity:	60%	
Pressure :	1015 hPa	Test Voltage :	DC 3.7V	
Test Mode :	TX g Mode /CH01, CH06, CH11			

Frequency	Power Density (dBm/3kHz)	Limit (dBm)	Result
2412 MHz	-10.969	8≥	PASS
2437 MHz	-11.032	≤8	PASS
2462 MHz	-11.320	≤8	PASS







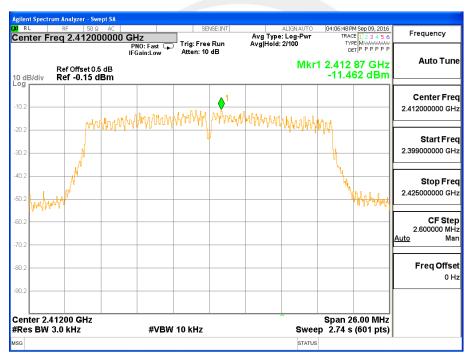




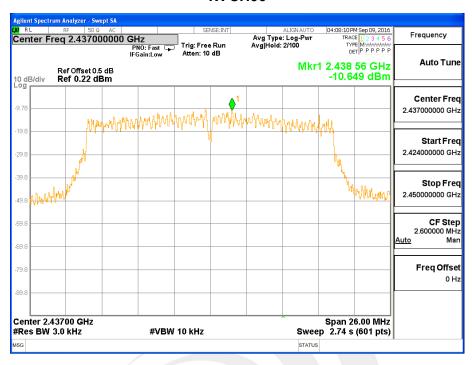
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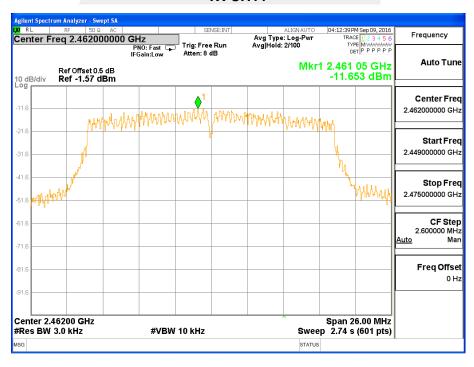
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX n Mode(20M) /CH01, CH06	, CH11	

Frequency	Power Density (dBm/3kHz)	Limit (dBm)	Result
2412 MHz	-11.462	≥8	PASS
2437 MHz	-10.649	≤8	PASS
2462 MHz	-11.653	≤8	PASS





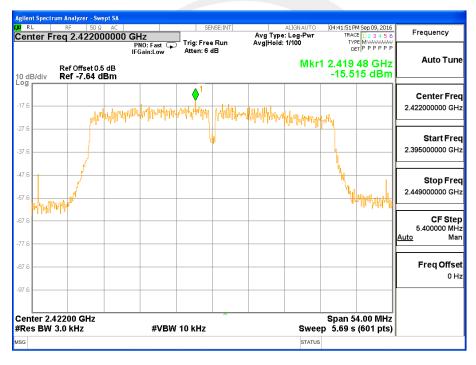




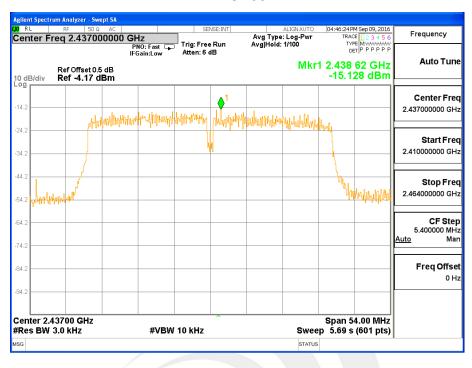


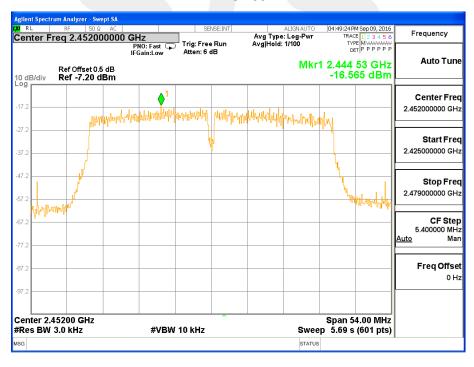
Temperature :	25 ℃	Relative Humidity:	60%	
Pressure :	1015 hPa	Test Voltage :	DC 3.7V	
Test Mode :	TX n Mode(40M) /CH03, CH06, CH09			

Frequency	Power Density (dBm/3kHz)	Limit(dBm)	Result
2422 MHz	-15.515	8≥	PASS
2437 MHz	-15.128	≤8	PASS
2452 MHz	-16.565	≤8	PASS











6. BANDWIDTH TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part 15.247,Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	≥500KHz (6dB bandwidth)	2400-2483.5	PASS

6.2 TEST PROCEDURE

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described above (i.e., RBW = 100 kHz, VBW≥3RBW, peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be≥6 dB.

6.3 DEVIATION	FROM	STANDARD
No deviation		

6.4 TEST SETUP

EUT	SPECTRUM
	ANALYZER

6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



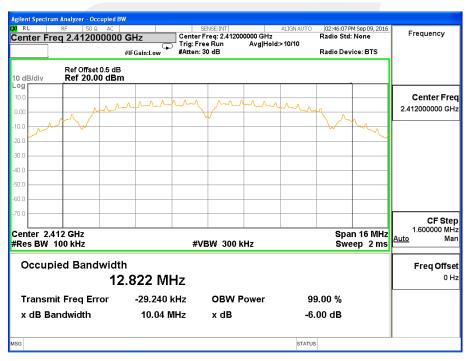


6.6 TEST RESULTS

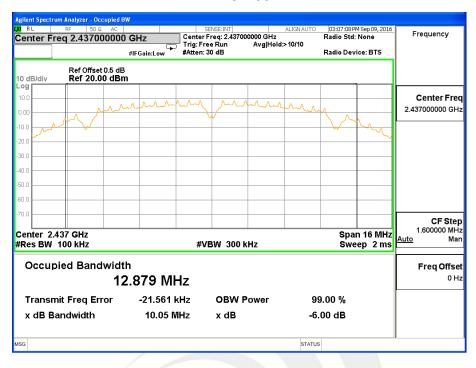
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX b Mode /CH01, CH06, CH1	1	

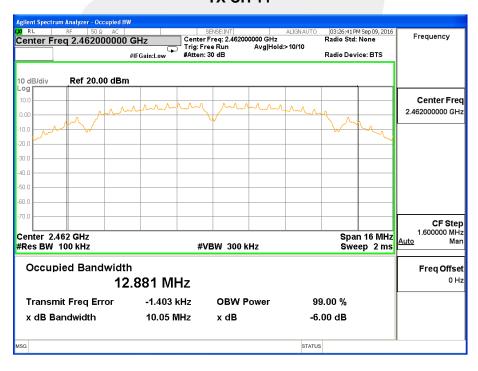
Remark: PEAK DETECTOR IS USED

Frequency	6dB Bandwidth (MHz)	Channel Separation (KHz)	Result
2412 MHz	10.04	≥500KHz	PASS
2437 MHz	10.05	≥500KHz	PASS
2462 MHz	10.05	≥500KHz	PASS







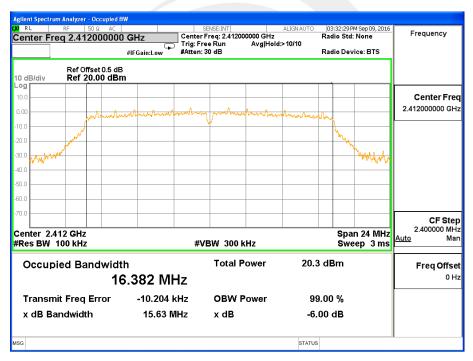




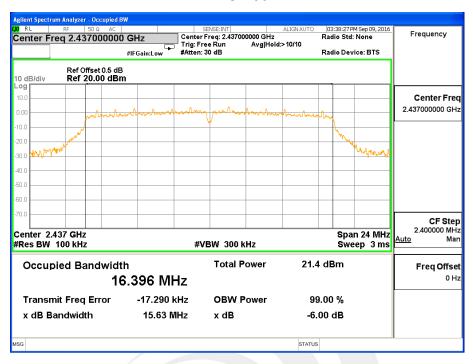
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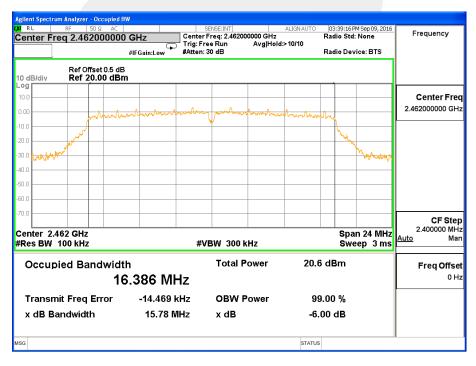
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX g Mode /CH01, CH06, CH11		

Frequency	6dB Bandwidth (MHz)	Channel Separation (KHz)	Result
2412 MHz	15.63	≥500KHz	PASS
2437 MHz	15.63	≥500KHz	PASS
2462 MHz	15.78	≥500KHz	PASS







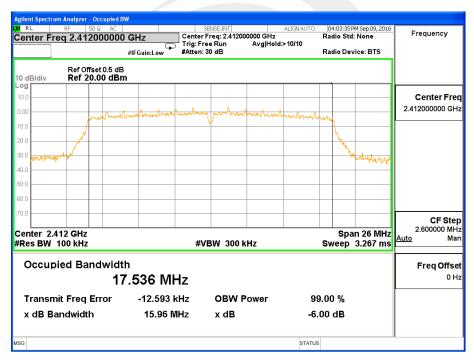




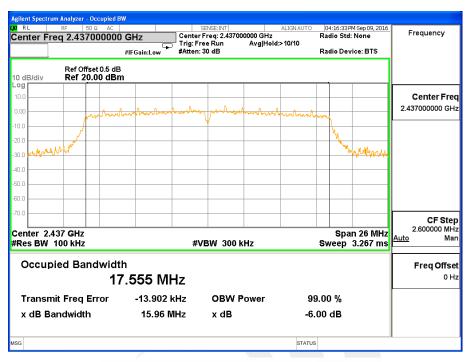
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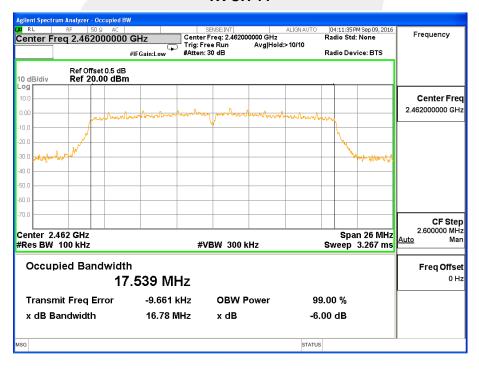
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX n Mode(20M) /CH01, CH06	, CH11	

Frequency	6dB Bandwidth (MHz)	Channel Separation (KHz)	Result
2412 MHz	15.96	≥500KHz	PASS
2437 MHz	15.96	≥500KHz	PASS
2462 MHz	16.78	≥500KHz	PASS







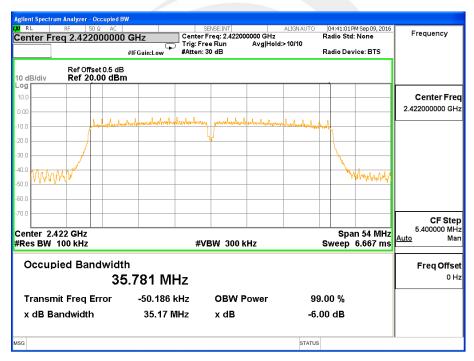




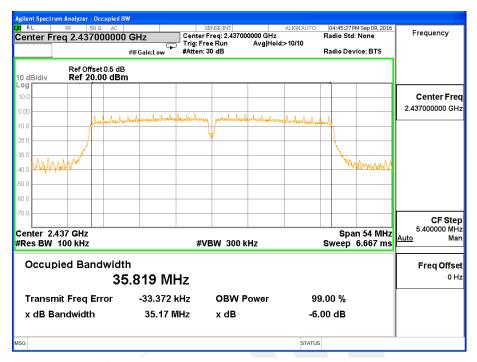
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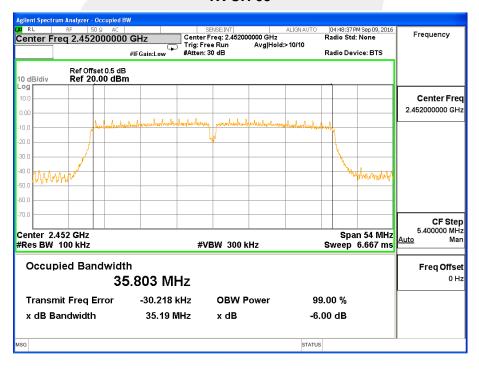
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX n Mode(40M) /CH03, CH06	, CH09	

Frequency	6dB Bandwidth (MHz)	Channel Separation (KHz)	Result
2422 MHz	35.17	≥500KHz	PASS
2437 MHz	35.17	≥500KHz	PASS
2452 MHz	35.19	≥500KHz	PASS













7. PEAK OUTPUT POWER TEST

7.1 APPLIED PROCEDURES / LIMIT

FCC Part 15.247,Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Output Power	1 watt or 30dBm	2400-2483.5	PASS

7.2 TEST PROCEDURE

a. The EUT was directly connected to the Power Sensor&PC

7.3 DEVIATION FROM STANDARD No deviation.

7.4 TEST SETUP

EUT	Power Sensor
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7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



7.6 TEST RESULTS

Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V

TX 802.11b Mode				
Test Frequency		Conducted Output Power		LIMIT
Channe	(MHz)	Peak(dBm)	AVG(dBm)	dBm
CH01	2412	17.10	17.00	30
CH06	2437	17.60	17.50	30
CH11	2462	17.70	17.60	30

TX 802.11g Mode				
Test Frequency		Conducted Output Power		LIMIT
Channe	(MHz)	Peak(dBm)	AVG(dBm)	dBm
CH01	2412	15.00	14.60	30
CH06	2437	15.30	14.80	30
CH11	2462	15.30	14.80	30

TX 802.11n20 Mode				
Test	Frequency	Conducted Output Power		LIMIT
Channe	(MHz)	Peak(dBm)	AVG(dBm)	dBm
CH01	2412	14.20	13.10	30
CH06	2437	15.10	14.60	30
CH11	2462	15.20	14.70	30

TX 802.11n40 Mode				
Test	Frequency	Conducted Output Power		LIMIT
Channe	(MHz)	Peak(dBm)	AVG(dBm)	dBm
CH03	2422	12.30	11.20	30
CH06	2437	13.60	12.50	30
CH09	2452	13.80	12.80	30



8. ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: 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.

8.2 EUT ANTENNA

The EUT antenna is PIFA Antenna. It comply with the standard requirement.

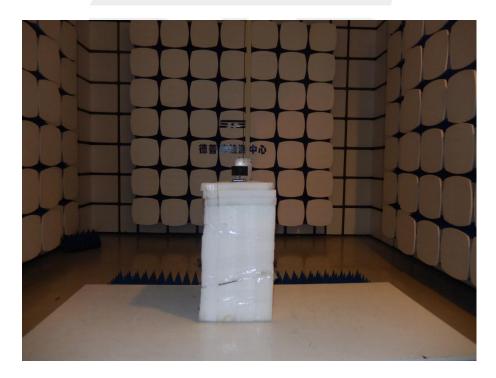




APPENDIX - PHOTOS OF TEST SETUP









Conducted Measurement Photos



* * * * * END OF THE REPORT * * * * *