



RADIO TEST REPORT

Report No: STS1606154F01

Issued for

Shenzhen EDUP Electronics Technology Co.,Ltd.

6 Floor, #6 Building, No.48, Kangzheng Road, Liantang Industrial Area, Buji Town, ShenZheng China

L A B

Product Name:	Wireless Adapter
Brand Name:	EDUP
Model Name:	EP-DB1607
Series Model:	EP-DB1608
FCC ID:	2AHRDEP-DB1607
Test Standard:	FCC Part 15.247

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Shenzhen STS Test Services Co., Ltd.

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TEST RESULT CERTIFICATION

Applicant's name Shenzhen EDUP Electronics Technology Co.,Ltd. 6 Floor, #6 Building, No.48, Kangzheng Road, Liantang Industrial Address: Area, Buji Town, Shen Zheng China Manufacture's Name: Shenzhen EDUP Electronics Technology Co.,Ltd. 6 Floor, #6 Building, No.48, Kangzheng Road, Liantang Industrial Address....: Area, Buji Town, Shen Zheng China **Product description** Product name.....: Wireless Adapter Model and/or type reference: EP-DB1607 Series Model: **EP-DB1608** Standards: FCC Part15.247 Test procedure ANSI C63.10-2013 This device described above has been tested by STS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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may be altered or revised by STS, personal only, and shall be noted in the revision of the document.

Date of Test..... Date (s) of performance of tests....:: 21 June. 2016 ~29 June. 2016 Date of Issue: 30 June. 2016 Test Result: **Pass**

> **Testing Engineer** Technical Manager (Vita Li) Authorized Signatory:

> > (Bovey Yang)



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Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	30 June. 2016	STS1606154F01	ALL	Initial Issue





1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards: KDB 558074 D01 DTS Meas Guidance v03r04

	FCC Part15 (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	Radiated Band Edge 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	Wireless Adapter			
Trade Name	EDUP			
Model Name	EP-DB1607			
Series Model	EP-DB1608			
Model Difference	Only different in mo	del name		
	The EUT is a Wirele Operation Frequency:	ess Adapter 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	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		
	Number Of Channel	802.11b/g/n20: 11CH 802.11n 40: 7CH		
	Antenna Designation:	Please see Note 3.		
	Antenna Gain (dBi)	2 dBi		
	Duty Cycle	>98%		
Channel List	Please refer to the Note 2.			
Power rating	DC 5V, 500mA			
Hardware version number	V1.0			
Software version number	1027.6.417.2015			
Connecting I/O Port(s)	Please refer to the	User's Manual		

Note:

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



2

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

	Channel List for 802.11n(40MHz)						
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
03	2422	06	2437	09	2452		
04	2427	07	2442				
05	2432	08	2447				

3

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
Α	EDUP	EP-DB1607	Dipole Antenna	non-standard	2	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.

Pretest 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:

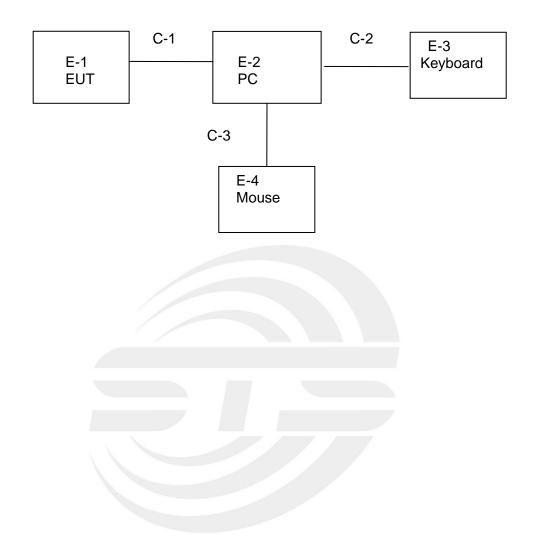
- (1) Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates from the power table.
- (2) We have be tested for all avaiable U.S. voltage and frequencies(For 120V,50/60Hz and 240V, 50/60Hz) for which the device is capable of operation.
- (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	Mode 12: Keeping TV + W/I AN Link
Emission	Mode13: Keeping TX + WLAN Link



2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED





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	Wireless Adapter	EDUP	EP-DB1607	N/A	EUT
E-2	PC	4CV428DQXR	500-320cx	N/A	N/A
E-3	Keyboard	HP	PR1101U	N/A	N/A
E-4	Mouse	MOTOSPEED	F66	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable	NO	100cm	N/A
C-1	(FTP)	NO	TOOCH	IN/A
C-2	USB Cable	NO	100cm	N/A
U-2	(FTP)	INO	TOOCHI	IN/A
C 2	USB Cable	NO	110om	NI/A
C-3	(FTP)	NO	110cm	N/A

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>"Length_"</code> 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

Radiation rest equipment						
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	2016.06.05	
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-96286/96287	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

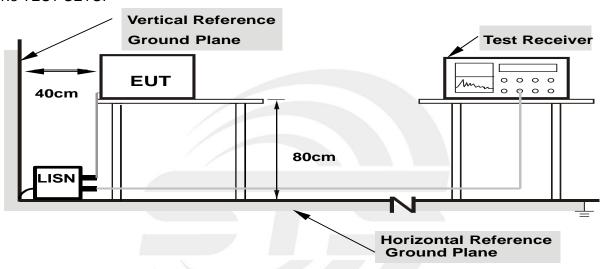
Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.4 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.



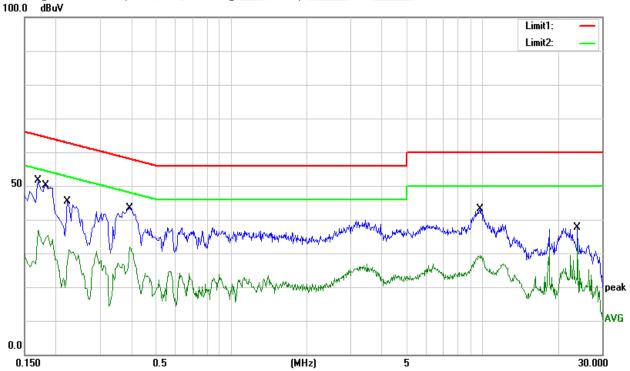
3.1.5 TEST RESULT

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

Frequency	Reading	Correct	Result	Limit	Margin	Domork
(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	Remark
0.1716	39.45	9.23	48.68	64.88	-16.20	QP
0.1716	25.41	9.23	34.64	54.88	-20.24	AVG
0.1856	37.20	9.23	46.43	64.23	-17.80	QP
0.1856	23.61	9.23	32.84	54.23	-21.39	AVG
0.2218	30.49	9.21	39.70	62.75	-23.05	QP
0.2218	16.79	9.21	26.00	52.75	-26.75	AVG
0.3967	32.00	9.43	41.43	57.92	-16.49	QP
0.3967	20.67	9.43	30.10	47.92	-17.82	AVG
9.8358	26.70	9.49	36.19	60.00	-23.81	QP
9.8358	18.18	9.49	27.67	50.00	-22.33	AVG
24.0011	25.05	9.75	34.80	60.00	-25.20	QP
24.0011	24.24	9.75	33.99	50.00	-16.01	AVG

Remark:

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





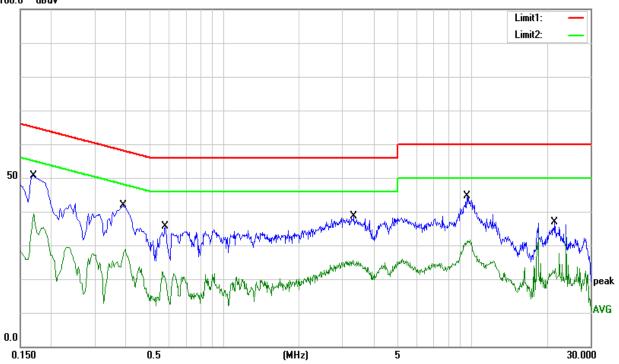
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Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	N
Mode :	Mode 13		

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	Remark
0.1684	38.66	9.23	47.89	65.04	-17.15	QP
0.1684	23.19	9.23	32.42	55.04	-22.62	AVG
0.3885	30.46	9.23	39.69	58.10	-18.41	QP
0.3885	16.25	9.23	25.48	48.10	-22.62	AVG
0.5746	22.19	9.18	31.37	56.00	-24.63	QP
0.5746	11.49	9.18	20.67	46.00	-25.33	AVG
3.3190	23.83	9.26	33.09	56.00	-22.91	QP
3.3190	14.72	9.26	23.98	46.00	-22.02	AVG
9.4630	28.19	9.38	37.57	60.00	-22.43	QP
9.4630	20.06	9.38	29.44	50.00	-20.56	AVG
21.5350	17.09	9.81	26.90	60.00	-33.10	QP
21.5350	10.20	9.81	20.01	50.00	-29.99	AVG

Remark:

1. 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)

EDEOLIENCY (MHz)	Class B (dBuV/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

or 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 MU - /2MU -		
band)	1 MHz /3MHz		

For Band edge

Spectrum Parameter	Setting		
Detector	Peak		
Chart/Chara Fina average	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

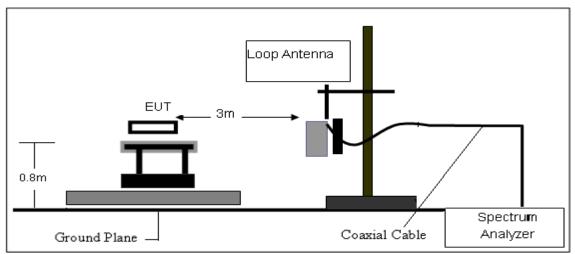
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, above 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meters(above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the 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

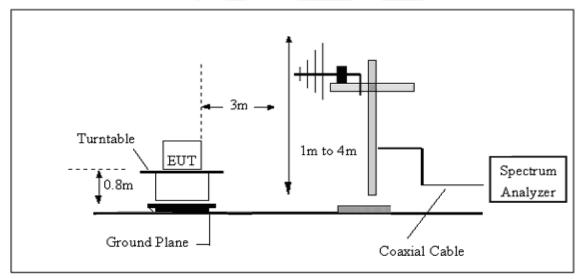


3.2.3 TEST SETUP

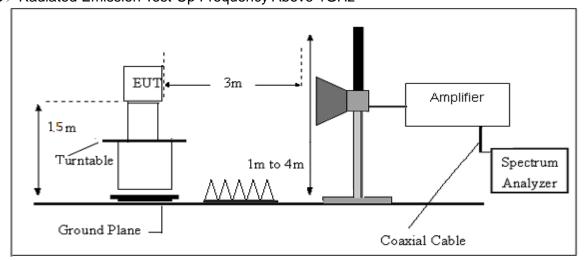
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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:	AC 120V/60Hz	
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.



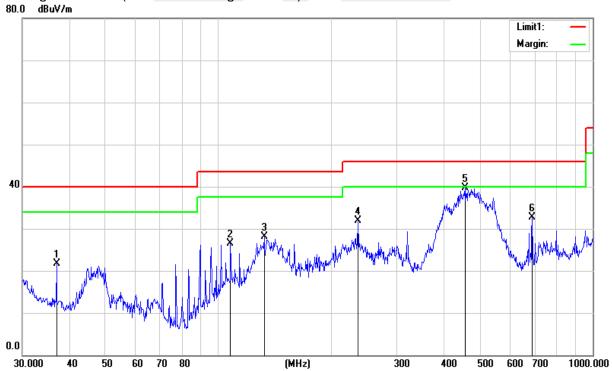
(30MHz - 1000MHz)

Temperature:	20 ℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz
11001 1/1000 .	Mode 1/2/3/4/5/6/7/8/9/10/11/12 (Mode 1-1M worst mode)	Polarization :	Horizontal

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
37.0250	36.42	-14.79	21.63	40.00	-18.37	QP
107.8876	45.05	-18.52	26.53	43.50	-16.97	QP
132.6850	45.66	-17.54	28.12	43.50	-15.38	QP
236.6447	49.89	-17.99	31.90	46.00	-14.10	QP
457.5073	49.96	-10.22	39.74	46.00	-6.26	QP
689.5643	38.22	-5.57	32.65	46.00	-13.35	QP

Remark:

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





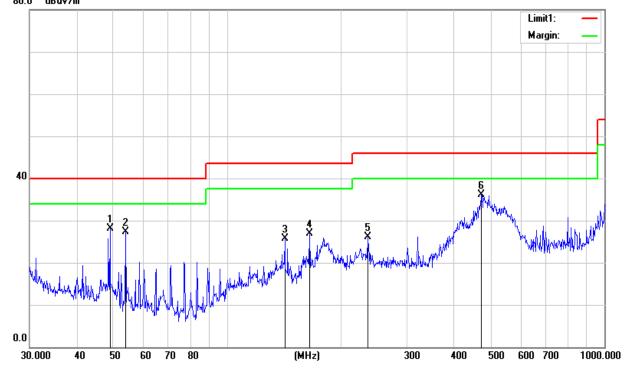
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Temperature:	20 ℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz
11001 1/1000 .	Mode 1/2/3/4/5/6/7/8/9/10/11/12 (Mode 1-1M worst mode)	Polarization :	Vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
49.0145	49.12	-20.97	28.15	40.00	-11.85	QP
53.8817	49.99	-22.59	27.40	40.00	-12.60	QP
142.3243	43.31	-17.62	25.69	43.50	-17.81	QP
165.4866	45.87	-18.95	26.92	43.50	-16.58	QP
235.8163	44.24	-18.06	26.18	46.00	-19.82	QP
472.1760	45.87	-9.69	36.18	46.00	-9.82	QP

Remark:

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





(1000MHz-25GHz)

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	nannel (2412 M	1Hz)				
3265.10	49.99	44.70	6.70	28.20	-9.80	40.19	74.00	-33.81	PK	Vertical
3265.10	39.93	44.70	6.70	28.20	-9.80	30.13	54.00	-23.87	AV	Vertical
3265.06	49.94	44.70	6.70	28.20	-9.80	40.14	74.00	-33.86	PK	Horizontal
3265.06	39.96	44.70	6.70	28.20	-9.80	30.16	54.00	-23.84	AV	Horizontal
4824.78	60.22	44.20	9.04	31.60	-3.56	56.66	74.00	-17.34	PK	Vertical
4824.78	50.30	44.20	9.04	31.60	-3.56	46.74	54.00	-7.26	AV	Vertical
4824.81	60.24	44.20	9.04	31.60	-3.56	56.68	74.00	-17.32	PK	Horizontal
4824.81	50.22	44.20	9.04	31.60	-3.56	46.66	54.00	-7.34	AV	Horizontal
5360.09	47.17	44.20	9.86	32.00	-2.34	44.83	74.00	-29.17	PK	Vertical
5360.09	39.13	44.20	9.86	32.00	-2.34	36.79	54.00	-17.21	AV	Vertical
5360.07	47.20	44.20	9.86	32.00	-2.34	44.86	74.00	-29.14	PK	Horizontal
5360.07	39.13	44.20	9.86	32.00	-2.34	36.79	54.00	-17.21	AV	Horizontal
7236.18	52.66	43.50	11.40	35.50	3.40	56.06	74.00	-17.94	PK	Vertical
7236.18	44.64	43.50	11.40	35.50	3.40	48.04	54.00	-5.96	AV	Vertical
7236.16	52.65	43.50	11.40	35.50	3.40	56.05	74.00	-17.95	PK	Horizontal
7236.16	44.61	43.50	11.40	35.50	3.40	48.01	54.00	-5.99	AV	Horizontal
11036.22	41.93	43.60	14.30	39.50	10.20	52.13	74.00	-21.87	PK	Vertical
11036.22	31.84	43.60	14.30	39.50	10.20	42.04	54.00	-11.96	AV	Vertical
11036.47	41.89	43.60	14.30	39.50	10.20	52.09	74.00	-21.91	PK	Horizontal
11036.47	31.89	43.60	14.30	39.50	10.20	42.09	54.00	-11.91	AV	Horizontal
13299.62	41.71	42.60	15.90	38.90	12.20	53.91	74.00	-20.09	PK	Vertical
13299.62	31.77	42.60	15.90	38.90	12.20	43.97	54.00	-10.03	AV	Vertical
13299.74	41.78	42.60	15.90	38.90	12.20	53.98	74.00	-20.02	PK	Horizontal
13299.74	30.72	42.60	15.90	38.90	12.20	42.92	54.00	-11.08	AV	Horizontal
16000.15	41.77	42.70	18.00	37.10	12.40	54.17	74.00	-19.83	PK	Vertical
16000.15	31.76	42.70	18.00	37.10	12.40	44.16	54.00	-9.84	AV	Vertical
16000.04	41.77	42.70	18.00	37.10	12.40	54.17	74.00	-19.83	PK	Horizontal
16000.04	31.05	42.70	18.00	37.10	12.40	43.45	54.00	-10.55	AV	Horizontal
17998.14	31.87	42.70	19.40	46.50	23.20	55.07	74.00	-18.93	PK	Vertical
17998.14	21.90	42.70	19.40	46.50	23.20	45.10	54.00	-8.90	AV	Vertical
17998.01	31.91	42.70	19.40	46.50	23.20	55.11	74.00	-18.89	PK	Horizontal
17998.01	21.95	42.70	19.40	46.50	23.20	45.15	54.00	-8.85	AV	Horizontal



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 Cl	hannel (2437 M	1Hz)				
3265.00	49.88	44.70	6.70	28.20	-9.80	40.08	74.00	-33.92	PK	Vertical
3265.00	39.86	44.70	6.70	28.20	-9.80	30.06	54.00	-23.94	AV	Vertical
3264.95	49.85	44.70	6.70	28.20	-9.80	40.05	74.00	-33.95	PK	Horizontal
3264.95	39.86	44.70	6.70	28.20	-9.80	30.06	54.00	-23.94	AV	Horizontal
4874.76	60.15	44.20	9.04	31.60	-3.56	56.59	74.00	-17.41	PK	Vertical
4874.76	50.17	44.20	9.04	31.60	-3.56	46.61	54.00	-7.39	AV	Vertical
4874.70	60.17	44.20	9.04	31.60	-3.56	56.61	74.00	-17.39	PK	Horizontal
4874.70	50.16	44.20	9.04	31.60	-3.56	46.60	54.00	-7.40	AV	Horizontal
5359.97	47.07	44.20	9.86	32.00	-2.34	44.73	74.00	-29.27	PK	Vertical
5359.97	39.09	44.20	9.86	32.00	-2.34	36.75	54.00	-17.25	AV	Vertical
5360.00	47.14	44.20	9.86	32.00	-2.34	44.80	74.00	-29.20	PK	Horizontal
5360.00	39.08	44.20	9.86	32.00	-2.34	36.74	54.00	-17.26	AV	Horizontal
7336.05	52.57	43.50	11.40	35.50	3.40	55.97	74.00	-18.03	PK	Vertical
7336.05	44.56	43.50	11.40	35.50	3.40	47.96	54.00	-6.04	AV	Vertical
7336.04	52.57	43.50	11.40	35.50	3.40	55.97	74.00	-18.03	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	31.78	43.60	14.30	39.50	10.20	41.98	54.00	-12.02	AV	Vertical
11036.11	41.83	43.60	14.30	39.50	10.20	52.03	74.00	-21.97	PK	Horizontal
11036.11	31.83	43.60	14.30	39.50	10.20	42.03	54.00	-11.97	AV	Horizontal
13299.71	41.62	42.60	15.90	38.90	12.20	53.82	74.00	-20.18	PK	Vertical
13299.71	31.63	42.60	15.90	38.90	12.20	43.83	54.00	-10.17	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	41.72	42.70	18.00	37.10	12.40	54.12	74.00	-19.88	PK	Vertical
15999.98	31.67	42.70	18.00	37.10	12.40	44.07	54.00	-9.93	AV	Vertical
15999.99	41.70	42.70	18.00	37.10	12.40	54.10	74.00	-19.90	PK	Horizontal
15999.99	30.96	42.70	18.00	37.10	12.40	43.36	54.00	-10.64	AV	Horizontal
17998.13	31.83	42.70	19.40	46.50	23.20	55.03	74.00	-18.97	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	21.85	42.70	19.40	46.50	23.20	45.05	54.00	-8.95	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	49.79	44.70	6.70	28.20	-9.80	39.99	74.00	-34.01	PK	Vertical
3265.07	39.73	44.70	6.70	28.20	-9.80	29.93	54.00	-24.07	AV	Vertical
3265.04	49.73	44.70	6.70	28.20	-9.80	39.93	74.00	-34.07	PK	Horizontal
3265.04	39.79	44.70	6.70	28.20	-9.80	29.99	54.00	-24.01	AV	Horizontal
4924.82	60.06	44.20	9.04	31.60	-3.56	56.50	74.00	-17.50	PK	Vertical
4924.82	50.14	44.20	9.04	31.60	-3.56	46.58	54.00	-7.42	AV	Vertical
4924.78	60.11	44.20	9.04	31.60	-3.56	56.55	74.00	-17.45	PK	Horizontal
4924.78	50.03	44.20	9.04	31.60	-3.56	46.47	54.00	-7.53	AV	Horizontal
5360.04	46.99	44.20	9.86	32.00	-2.34	44.65	74.00	-29.35	PK	Vertical
5360.04	38.97	44.20	9.86	32.00	-2.34	36.63	54.00	-17.37	AV	Vertical
5360.03	47.07	44.20	9.86	32.00	-2.34	44.73	74.00	-29.27	PK	Horizontal
5360.03	39.01	44.20	9.86	32.00	-2.34	36.67	54.00	-17.33	AV	Horizontal
7386.16	52.48	43.50	11.40	35.50	3.40	55.88	74.00	-18.12	PK	Vertical
7386.16	44.49	43.50	11.40	35.50	3.40	47.89	54.00	-6.11	AV	Vertical
7386.20	52.54	43.50	11.40	35.50	3.40	55.94	74.00	-18.06	PK	Horizontal
7386.20	44.47	43.50	11.40	35.50	3.40	47.87	54.00	-6.13	AV	Horizontal
11036.21	41.74	43.60	14.30	39.50	10.20	51.94	74.00	-22.06	PK	Vertical
11036.21	31.71	43.60	14.30	39.50	10.20	41.91	54.00	-12.09	AV	Vertical
11036.19	41.76	43.60	14.30	39.50	10.20	51.96	74.00	-22.04	PK	Horizontal
11036.19	31.77	43.60	14.30	39.50	10.20	41.97	54.00	-12.03	AV	Horizontal
16000.09	41.59	42.70	18.00	37.10	12.40	53.99	74.00	-20.01	PK	Vertical
16000.09	31.60	42.70	18.00	37.10	12.40	44.00	54.00	-10.00	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	31.76	42.70	19.40	46.50	23.20	54.96	74.00	-19.04	PK	Horizontal



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	69.16	43.80	4.91	25.90	-12.99	56.17	74	-17.83	PK	Vertical
2400.00	54.99	43.80	4.91	25.90	-12.99	42.00	54	-12.00	AV	Vertical
2400.00	70.19	43.80	4.91	25.90	-12.99	57.20	74	-16.80	PK	Horizontal
2400.00	54.17	43.80	4.91	25.90	-12.99	41.18	54	-12.82	AV	Horizontal
2483.50	71.00	43.80	5.12	25.90	-12.78	58.22	74	-15.78	PK	Vertical
2483.50	54.02	43.80	5.12	25.90	-12.78	41.24	54	-12.76	AV	Vertical
2483.50	71.08	43.80	5.12	25.90	-12.78	58.30	74	-15.70	PK	Horizontal
2483.50	54.06	43.80	5.12	25.90	-12.78	41.28	54	-12.72	AV	Horizontal
			/		802.11g					
2400.00	67.95	43.80	4.91	25.90	-12.99	54.96	74	-19.04	PK	Vertical
2400.00	54.12	43.80	4.91	25.90	-12.99	41.13	54	-12.87	AV	Vertical
2400.00	67.13	43.80	4.91	25.90	-12.99	54.14	74	-19.86	PK	Horizontal
2400.00	54.98	43.80	4.91	25.90	-12.99	41.99	54	-12.01	AV	Horizontal
2483.50	67.09	43.80	5.12	25.90	-12.78	54.31	74	-19.69	PK	Vertical
2483.50	54.27	43.80	5.12	25.90	-12.78	41.49	54	-12.51	AV	Vertical
2483.50	67.04	43.80	5.12	25.90	-12.78	54.26	74	-19.74	PK	Horizontal
2483.50	54.15	43.80	5.12	25.90	-12.78	41.37	54	-12.63	AV	Horizontal
					802.11n20					
2400.00	67.10	43.80	4.91	25.90	-12.99	54.11	74	-19.89	PK	Vertical
2400.00	54.05	43.80	4.91	25.90	-12.99	41.06	54	-12.94	AV	Vertical
2400.00	67.04	43.80	4.91	25.90	-12.99	54.05	74	-19.95	PK	Horizontal
2400.00	54.09	43.80	4.91	25.90	-12.99	41.10	54	-12.90	AV	Horizontal
2483.50	67.18	43.80	5.12	25.90	-12.78	54.40	74	-19.60	PK	Vertical
2483.50	54.08	43.80	5.12	25.90	-12.78	41.30	54	-12.70	AV	Vertical
2483.50	67.03	43.80	5.12	25.90	-12.78	54.25	74	-19.75	PK	Horizontal
2483.50	54.04	43.80	5.12	25.90	-12.78	41.26	54	-12.74	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	65.00	43.80	4.91	25.90	-12.99	52.01	74	-21.99	PK	Vertical
2400.00	52.96	43.80	4.91	25.90	-12.99	39.97	54	-14.03	AV	Vertical
2400.00	64.95	43.80	4.91	25.90	-12.99	51.96	74	-22.04	PK	Horizontal
2400.00	52.01	43.80	4.91	25.90	-12.99	39.02	54	-14.98	AV	Horizontal
2483.50	64.12	43.80	5.12	25.90	-12.78	51.34	74	-22.66	PK	Vertical
2483.50	52.00	43.80	5.12	25.90	-12.78	39.22	54	-14.78	AV	Vertical
2483.50	64.98	43.80	5.12	25.90	-12.78	52.20	74	-21.80	PK	Horizontal
2483.50	52.92	43.80	5.12	25.90	-12.78	40.14	54	-13.86	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

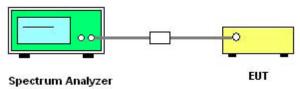
Spectrum Parameter	Setting			
Detector	Peak			
Start/Stop Frequency	30 MHz to 10th carrier harmonic			
RB / VB (emission in restricted band)	100 KHz/300 KHz			
Trace-Mode:	Max hold			

For Band edge

Spectrum Parameter	Setting				
Detector	Peak				
Start/Stan Eraguanay	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.

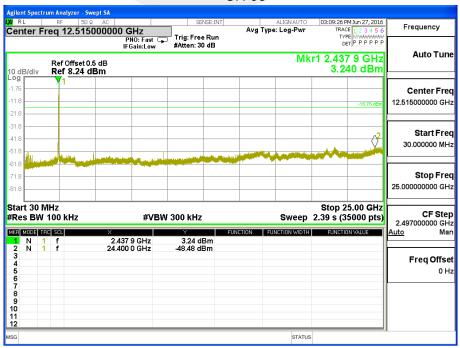


4.6 TEST RESULTS

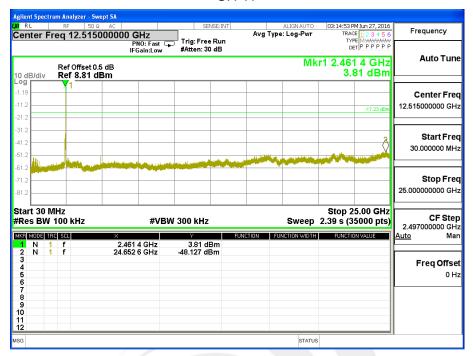
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 5V
Test Mode :	TX b Mode /CH01, CH06, CH1	1	

CH 01





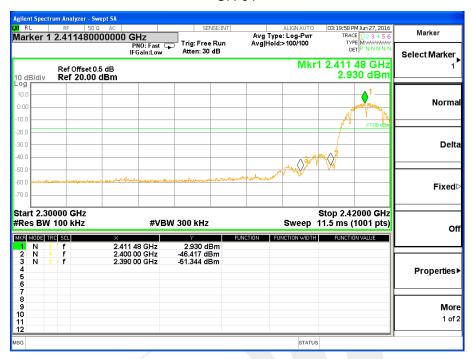






Band edge

CH 01



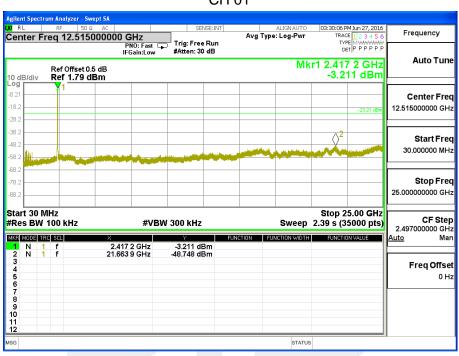




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Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 5V
Test Mode :	TX g Mode /CH01, CH06, CH1	1	

CH 01











Band edge

CH 01



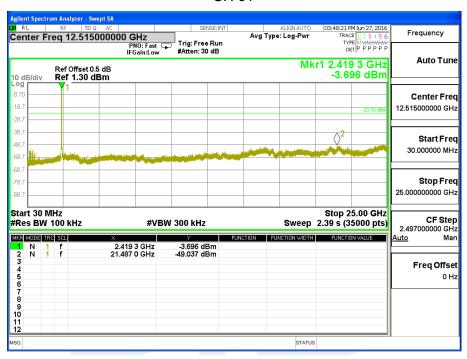


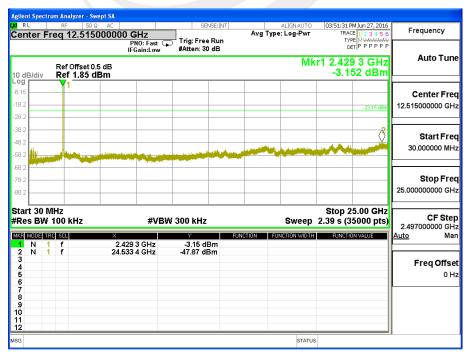


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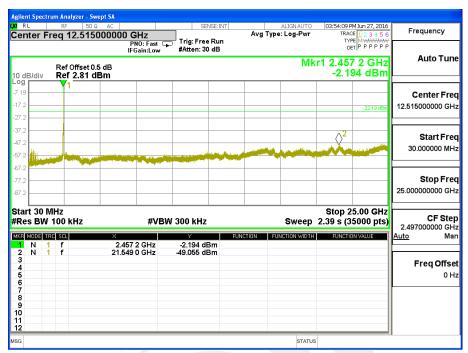
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 5V
Test Mode :	TX n Mode(20M) /CH01, CH06, CH11		

CH 01











Band edge

CH 01



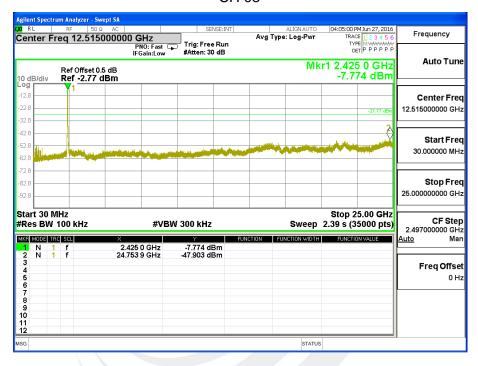








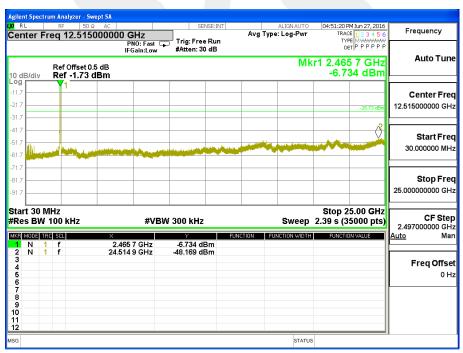
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 5V
Test Mode :	TX n Mode(40M) /CH03, CH06, CH09		





CH06



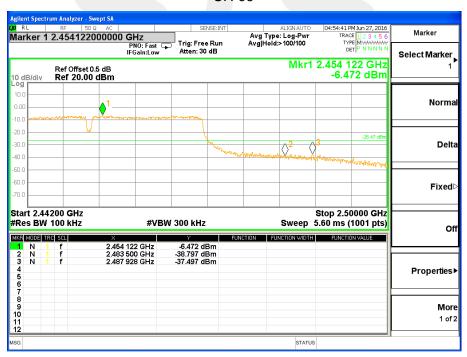




Band edge

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

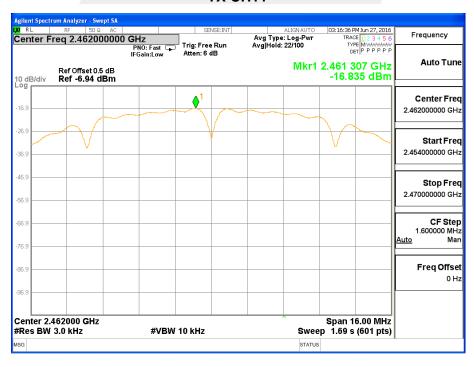
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 5V
Test Mode :	TX b Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm/3kHz)	Limit (dBm)	Result
2412 MHz	-17.465	8≥	PASS
2437 MHz	-17.075	≤8	PASS
2462 MHz	-16.835	≤8	PASS







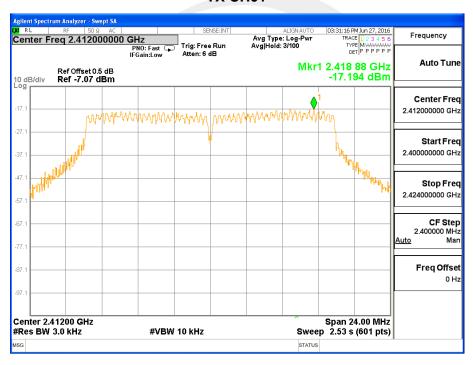




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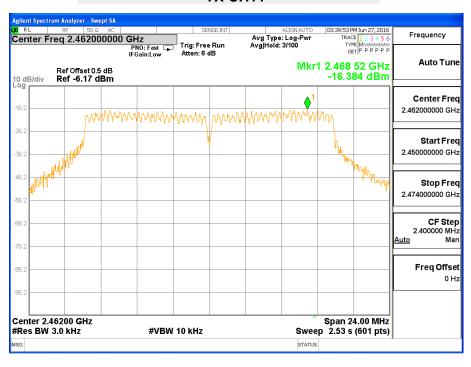
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 5V
Test Mode :	TX g Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm/3kHz)	Limit (dBm)	Result
2412 MHz	-17.194	8≥	PASS
2437 MHz	-17.027	≤8	PASS
2462 MHz	-16.384	≤8	PASS







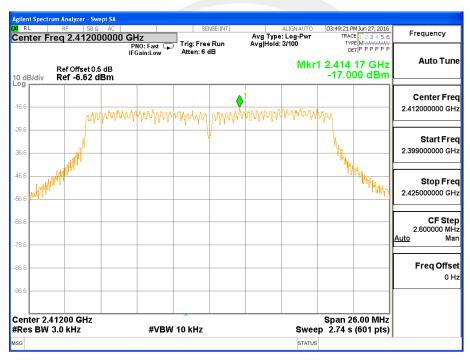




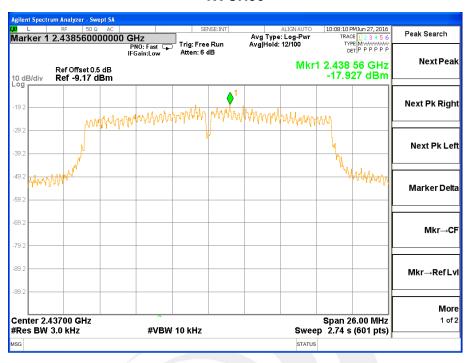
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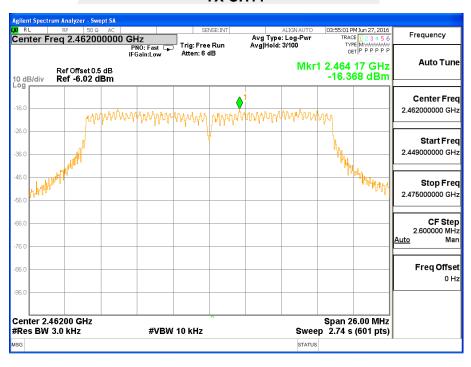
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 5V
Test Mode :	TX n Mode(20M) /CH01, CH06, CH11		

Frequency	Power Density (dBm/3kHz)	Limit (dBm)	Result
2412 MHz	-17.000	≤8	PASS
2437 MHz	-17.927	≤8	PASS
2462 MHz	-16.368	≤8	PASS









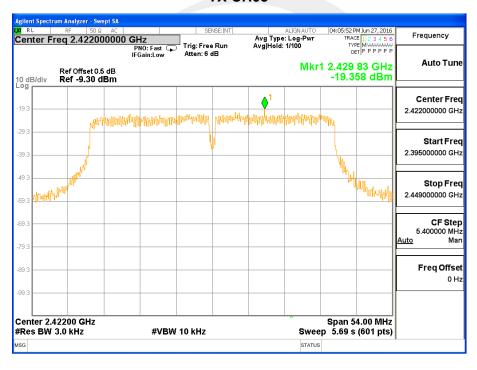






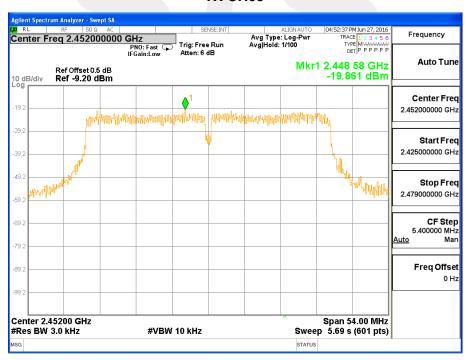
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 5V
Test Mode :	TX n Mode(40M) /CH03, CH06, CH09		

Frequency	Power Density (dBm/3kHz)	Limit(dBm)	Result
2422 MHz	-19.358	8≥	PASS
2437 MHz	-21.976	≤8	PASS
2452 MHz	-19.861	≤8	PASS











6. BANDWIDTH TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (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.

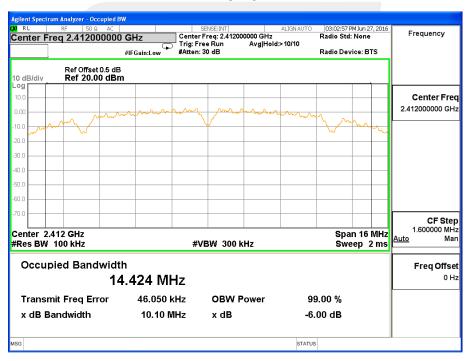


6.6 TEST RESULTS

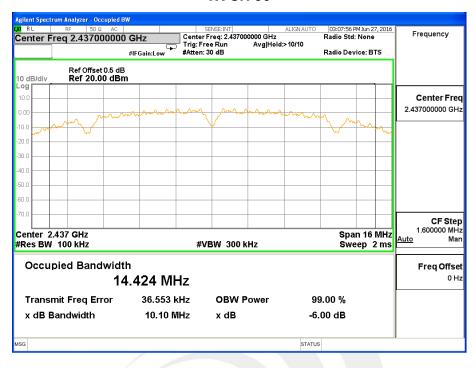
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX b Mode /CH01, CH06, CH11		

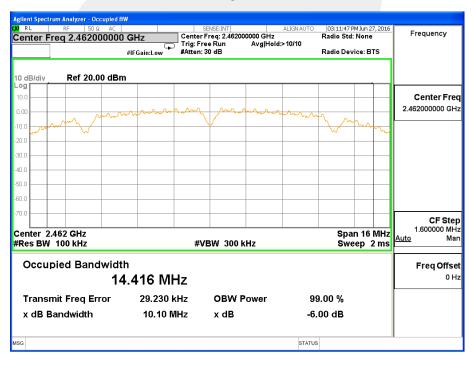
Remark: PEAK DETECTOR IS USED

Frequency	6dB Bandwidth (MHz)	Channel Separation (KHz)	Result
2412 MHz	10.10	≥500KHz	PASS
2437 MHz	10.10	≥500KHz	PASS
2462 MHz	10.10	≥500KHz	PASS







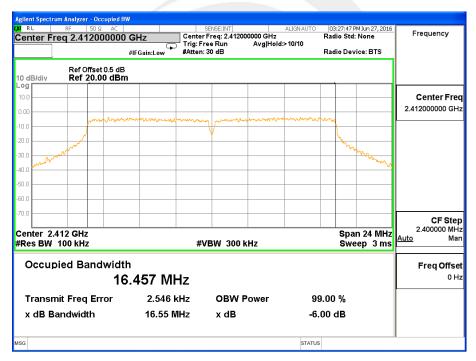




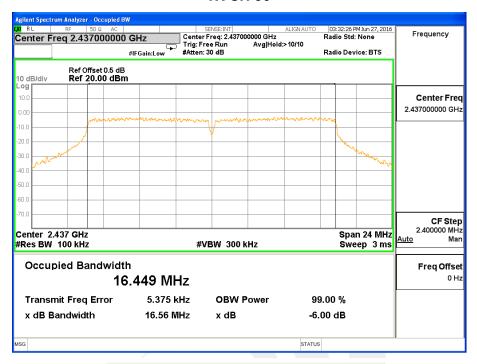
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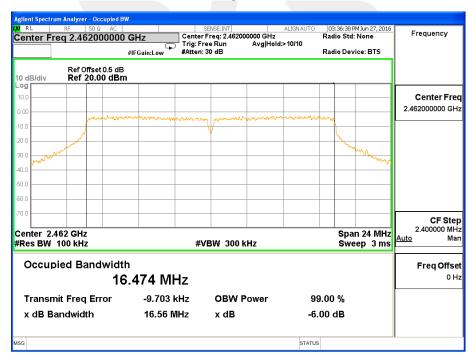
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX g Mode /CH01, CH06, CH11		

Frequency	6dB Bandwidth (MHz)	Channel Separation (KHz)	Result
2412 MHz	16.55	≥500KHz	PASS
2437 MHz	16.56	≥500KHz	PASS
2462 MHz	16.56	≥500KHz	PASS









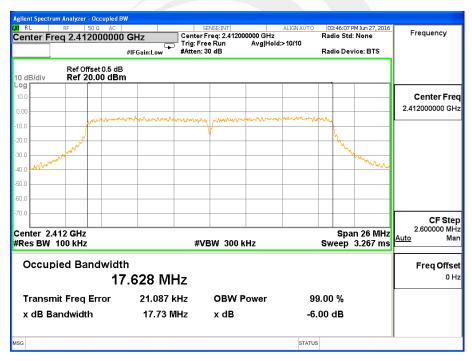


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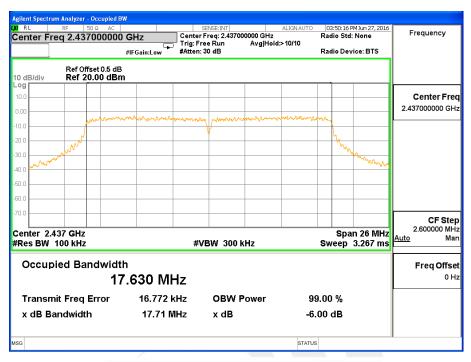


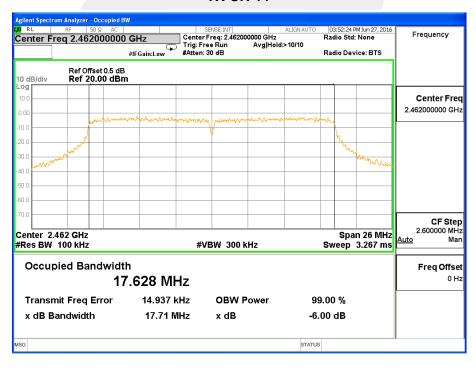
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX n Mode(20M) /CH01, CH06, CH11		

Frequency	6dB Bandwidth (MHz)	Channel Separation (KHz)	Result
2412 MHz	17.13	≥500KHz	PASS
2437 MHz	17.71	≥500KHz	PASS
2462 MHz	17.71	≥500KHz	PASS







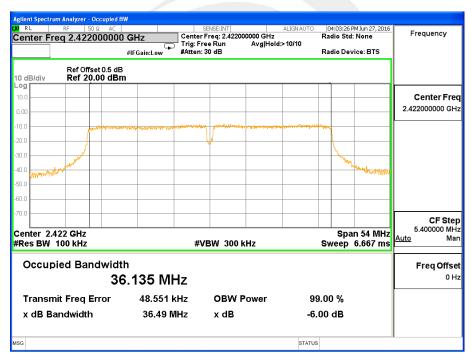




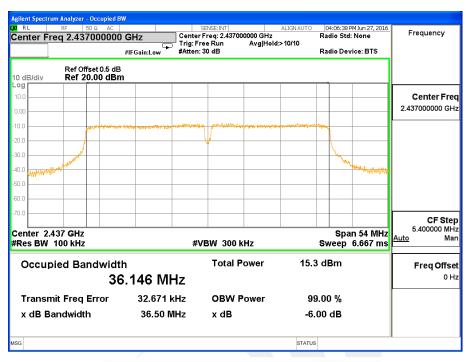
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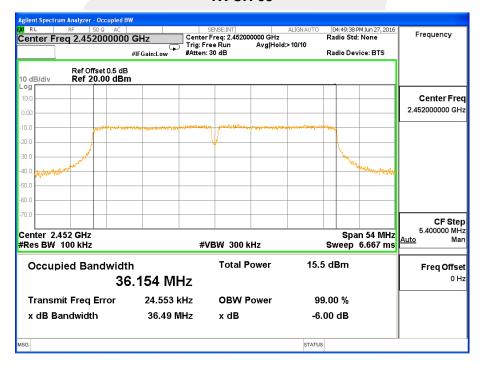
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 5V
Test Mode :	TX n Mode(40M) /CH03, CH06, CH09		

Frequency	6dB Bandwidth (MHz)	Channel Separation (KHz)	Result
2422 MHz	36.49	≥500KHz	PASS
2437 MHz	36.50	≥500KHz	PASS
2452 MHz	36.49	≥500KHz	PASS











7. PEAK OUTPUT POWER TEST

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (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 5V

TX 802.11b Mode				
Test	Frequency	Conducted Output Power		LIMIT
Channe	(MHz)	Peak(dBm)	AVG(dBm)	dBm
CH01	2412	14.58	12.53	30
CH06	2437	14.63	12.35	30
CH11	2462	14.74	12.47	30

TX 802.11g Mode				
Test	Frequency	Conducted Output Power		LIMIT
Channe	(MHz)	Peak(dBm)	AVG(dBm)	dBm
CH01	2412	12.35	11.14	30
CH06	2437	13.01	11.35	30
CH11	2462	13.11	11.38	30

TX 802.11n20 Mode				
Test	Frequency	Conducted Output Power		LIMIT
Channe	(MHz)	Peak(dBm)	AVG(dBm)	dBm
CH01	2412	12.54	11.10	30
CH06	2437	13.00	11.24	30
CH11	2462	12.98	11.30	30

TX 802.11n40 Mode				
Test	Frequency	Conducted Output Power		LIMIT
Channe	(MHz)	Peak(dBm)	AVG(dBm)	dBm
CH03	2422	10.25	8.69	30
CH06	2437	10.36	8.52	30
CH09	2452	10.29	8.63	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

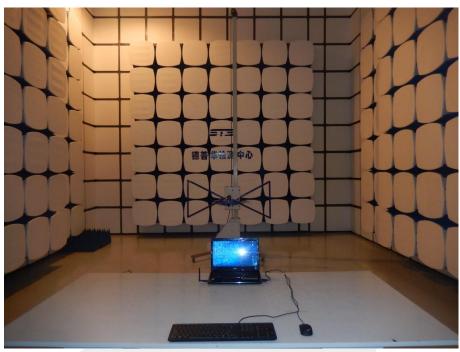
The EUT antenna is Dipole Antenna. It comply with the standard requirement.

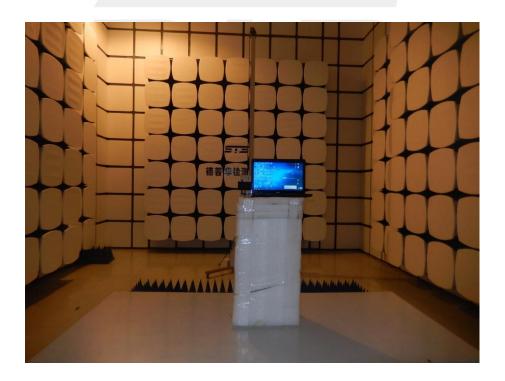




APPENDIX - PHOTOS OF TEST SETUP









Conducted Measurement Photos



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