# FCC RADIO TEST REPORT FCC ID: 2AC43S60

**Product:** Mobile Phone

Trade Name: N/A

Model Name: S60

**Serial Model**: \$50, \$70, \$80

# **Prepared for**

Shenzhen Jinhuima Technology Co. LTD
B13 Building, Yintian Industrial Zone, Xixiang Town, Baoan
District, Shenzhen, China

# Prepared by

Shenzhen STONE Testing Technology Co.,Ltd.
F/6, Bldg.12, Zhongxing Industrial City, Chuangye Rd., Nanshan District Shenzhen P.R. China

#### **TEST RESULT CERTIFICATION**

Applicant's name....... Shenzhen Jinhuima Technology Co. LTD

Address ...... B13 Building, Yintian Industrial Zone, Xixiang Town, Baoan

District, Shenzhen, China

Manufacture's Name... Shenzhen Jinhuima Technology Co. LTD

Address......B13 Building, Yintian Industrial Zone, Xixiang Town, Baoan

District, Shenzhen, China

**Product description** 

Product name...... Mobile Phone

Model and/or type reference .....

S60

Serial Model ...... \$50, \$70, \$80

Standards..... FCC Part15.247

Test procedure ...... ANSI C63.4-2003

This device described above has been tested by STT, 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.

This report shall not be reproduced except in full, without the written approval of STT, this document may be altered or revised by STT, personal only, and shall be noted in the revision of the document.

Date of Test .....

Date (s) of performance of tests ..... Aug 17, 2014 ~ Aug 25, 2014

Date of Issue ...... Aug 26, 2014

Test Result...... Pass

Testing Engineer : Evic Wang

(Eric Wang)

Technical Manager :

(Jerry You)

Authorized Signatory:

(Jack yu)

#### **Table of Contents**

	Page
1 . SUMMARY OF TEST RESULTS	5
1.1 TEST FACILITY	6
1.2 MEASUREMENT UNCERTAINTY	6
2 . GENERAL INFORMATION	7
2.1 GENERAL DESCRIPTION OF EUT	7
2.2 DESCRIPTION OF TEST MODES	9
2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTEI	
2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)	11
2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS	12
3 . EMC EMISSION TEST	13
3.1 CONDUCTED EMISSION MEASUREMENT	13
3.1.1 POWER LINE CONDUCTED EMISSION LIMITS	13
3.1.2 TEST PROCEDURE	14
3.1.3 DEVIATION FROM TEST STANDARD	14
3.1.4 TEST SETUP 3.1.5 EUT OPERATING CONDITIONS	14 14
3.1.6 TEST RESULTS	15
3.2 RADIATED EMISSION MEASUREMENT	17
3.2.1 RADIATED EMISSION LIMITS	17
3.2.2 TEST PROCEDURE	18
3.2.3 DEVIATION FROM TEST STANDARD	18
3.2.4 TEST SETUP 3.2.5 EUT OPERATING CONDITIONS	19 20
3.2.6 TEST RESULTS (BETWEEN 9KHZ – 30 MHZ)	21
3.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)	22
3.2.8 TEST RESULTS (ABOVE 1000 MHZ)	23
4 . POWER SPECTRAL DENSITY TEST	36
4.1 APPLIED PROCEDURES / LIMIT	36
4.1.1 TEST PROCEDURE	36
4.1.2 DEVIATION FROM STANDARD	36
4.1.3 TEST SETUP 4.1.4 EUT OPERATION CONDITIONS	36 36
4.1.4 EUT OPERATION CONDITIONS 4.1.5 TEST RESULTS	30 37
5 . BANDWIDTH TEST	45
5.1 APPLIED PROCEDURES / LIMIT	45
5.1 ATTEMED TROOFDURE	45

# **Table of Contents**

	Page
5.1.2 EUT OPERATION CONDITIONS 5.1.3 TEST RESULTS	45 46
6 . PEAK OUTPUT POWER TEST	54
6.1 APPLIED PROCEDURES / LIMIT	54
6.1.1 TEST PROCEDURE 6.1.2 DEVIATION FROM STANDARD 6.1.3 TEST SETUP 6.1.4 EUT OPERATION CONDITIONS 6.1.5 TEST RESULTS	54 54 54 54 55
7 . 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE 7.1 DEVIATION FROM STANDARD 7.2 TEST SETUP 7.3 EUT OPERATION CONDITIONS 7.4 TEST RESULTS	56 56 56 56 57
8 . ANTENNA REQUIREMENT	78
8.1 STANDARD REQUIREMENT	78
8.2 EUT ANTENNA	78
9 . EUT TEST PHOTO APPENDIX-PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS	79

# 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

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)	Peak Output Power	PASS				
15.247 (c)	Radiated Spurious Emission	PASS				
15.247 (d)	Power Spectral Density	PASS				
15.205	Band Edge Emission	PASS				
15.203	Antenna Requirement	PASS				

#### NOTE:

(1)" N/A" denotes test is not applicable in this Test Report

#### 1.1 TEST FACILITY

Shenzhen STONE Testing Technology Co.,Ltd.

Add.: F/6, Bldg.12, Zhongxing Industrial City, Chuangye Rd., Nanshan District Shenzhen P.R.

China

FCC Registration No.: 323508; IC Registration No.: 11043A

#### 1.2 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%

#### 2. GENERAL INFORMATION

#### 2.1 GENERAL DESCRIPTION OF EUT

Equipment	Mobile Phone			
Model Name	S60			
Serial Model	S50, S70, S80			
Model Difference	All the models are the same circuit and RF module, except model name.			
	The EUT is a Mobile	Phone		
	Operation Frequency:	802.11b/g/n(20MHz): 2412~2462MHz		
		802.11n(40MHz):2422~2452MHz		
	Modulation Type:	CCK/OFDM/DBPSK/DAPSK		
	Bit Rate of	802.11b:11/5.5/2/1 Mbps		
	Transmitter	802.11g:54/48/36/24/18/12/9/6Mbps		
		802.11n(20MHz/40MHz):150/144.44/1		
		30/117/115.56/104/86.67/78/52/6.5Mb		
	Name to an Of Observation	ps		
	Number Of Channel	802.11b/g/n20MHz:11CH 802.11n40MHz:9CH		
Product Description	Antenna	Please see Note 3.		
·	Designation:	riease see Note 5.		
	Output	802.11b: 9.75 dBm (Max.)		
	Power(Conducted):	802.11g: 7.82dBm (Max.)		
		802.11n(20M): 6.43 dBm (Max.)		
		802.11n(40M): 5.35 dBm (Max.)		
	Antenna Gain (dBi)	Odbi		
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.			
Channel List	Please refer to the No	ote 2.		
Ratings	DC 3.7V, 2000mAh			
	Model:JS-009			
Adapter	Input: 100-240V~50/60Hz, 0.2A Output: 5V, 0.8A			
Battery	DC 3.7V, 2000mAh			

#### 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(20 MHz)							
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)							Frequency (MHz)
03	2422	06	2437	09	2452		
04 2427 07 2442							
05	2432	80	2447				

#### პ.

#### Table for Filed Antenna

able for thica thicinia							
Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE	
Α	N/A	N/A	PIFA	N/A	0	Wifi Antenna	

#### 2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n/20MHz CH1/ CH6/ CH11
Mode 4	802.11n/40MHz CH3/ CH6/ CH9
Mode 5	Link Mode

For Conducted Emission				
Final Test Mode Description				
Mode 5	Link Mode			

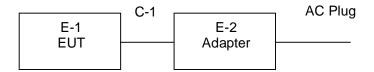
For Radiated Emission					
Final Test Mode	Description				
Mode 1	802.11b CH1/ CH6/ CH11				
Mode 2	802.11g CH1/ CH6/ CH11				
Mode 3	802.11n/20MHz CH1/ CH6/ CH11				
Mode 4	802.11n/40MHz CH3/ CH6/ CH9				

#### Note:

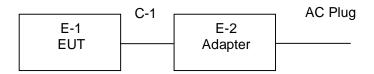
- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported

# 2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission Test



Radiated Spurious Emission Test



# 2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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	Brand	Model/Type No.	Series No.	Note
E-1	Mobile Phone	N/A	S60	N/A	EUT
E-2	Adapter	N/A	JS-009	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	1.2m	

#### 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.

# 2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibratio n period
1	Spectrum Analyzer	Agilent	E4407B	MY4510804 0	2014.07.06	2015.07.05	1 year
2	Test Receiver	R&S	ESPI	101318	2014.06.07	2015.06.06	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2014.07.06	2015.07.05	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 6	2014.06.07	2015.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2014.06.07	2015.06.06	1 year
6	Horn Antenna	EM	EM-AH-101 80	2011071402	2014.07.06	2015.07.05	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2014.07.06	2015.07.05	1 year
8	Amplifier	EM	EM-30180	060538	2014.12.22	2014.12.21	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2014.06.08	2015.06.07	1 year
10	Power Meter	R&S	NRVS	100696	2014.07.06	2015.07.05	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619. 05	2014.07.06	2015.07.05	1 year
12	Power Meter	Anristu	ML2495A	1145054	2014.08.16	2015.08.16	1 year
13	Power Sensor	Anristu	MA2411B	1126096	2014.08.16	2015.08.16	1 year

Conduction Test equipment

Item	Kind of Equipment	Manufactu rer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2014.06.06	2015.06.05	1 year
2	LISN	R&S	ENV216	101313	2014.08.24	2015.08.23	1 year
3	LISN	EMCO	3816/2	00042990	2014.08.24	2015.08.23	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	2014.06.07	2015.06.06	1 year
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2014.06.07	2015.06.06	1 year
6	Absorbing clamp	R&S	MOS-21	100423	2014.06.08	2015.06.07	1 year

1	Attenuation	MCE	24-10-34	BN9258	2014.06.08	2015.06.07	1 year
---	-------------	-----	----------	--------	------------	------------	--------

#### 3. EMC EMISSION TEST

#### 3.1 CONDUCTED EMISSION MEASUREMENT

#### 3.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A	(dBuV)	Class B	(dBuV)	Standard
TREQUENCT (IVII 12)	Quasi-peak	Average	Quasi-peak	Average	Standard
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

#### 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

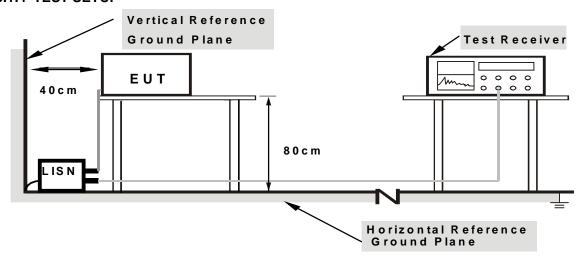
#### 3.1.2 TEST PROCEDURE

- 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 DEVIATION FROM TEST STANDARD

No deviation

#### 3.1.4 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

#### 3.1.5 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.

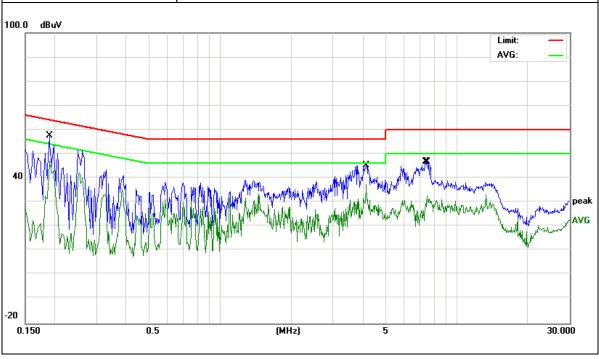
#### 3.1.6 TEST RESULTS

EUT:	Mobile Phone	Model Name. :	S60
Temperature:	26 ℃	Relative Humidity:	56%
Pressure:	1010hPa	Phase :	L
LIEST VOITAGE .	DC 5V form Adapter AC 120V/60Hz	Test Mode:	Mode 5

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
0.19	47.01	10.44	57.45	64.03	-6.58	QP
0.19	36.49	10.44	46.93	54.03	-7.1	AVG
4.1417	34.75	10.62	45.37	56	-10.63	QP
4.1417	26.76	10.62	37.38	46	-8.62	AVG
7.39	35.98	10.68	46.66	60	-13.34	QP
7.52	22.01	10.68	32.69	50	-17.31	AVG

#### Remark:

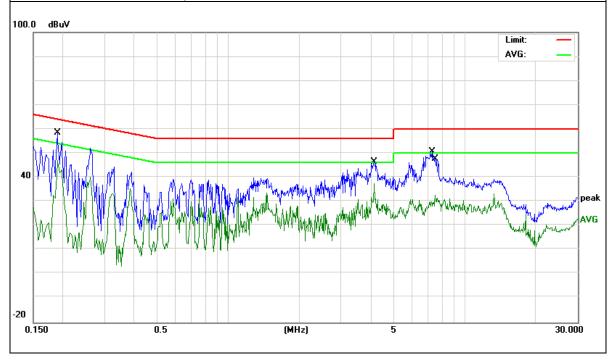
- All readings are Quasi-Peak and Average values.
   Factor = Insertion Loss + Cable Loss.
- 3. N/A means All Data have pass Limit



Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
0.19	48.01	10.44	58.45	64.03	-5.58	QP
0.19	36.49	10.44	46.93	54.03	-7.1	AVG
4.1417	35.75	10.62	46.37	56	-9.63	QP
4.1417	26.76	10.62	37.38	46	-8.62	AVG
7.27	40.06	10.68	50.74	60	-9.26	QP
7.52	22.01	10.68	32.69	50	-17.31	AVG

#### Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Factor = Insertion Loss + Cable Loss.
- 3. N/A means All Data have pass Limit



#### 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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 (Above 1000MHz)

FREQUENCY (MHz)	Class A (dBu	V/m) (at 3M)	Class B (dBuV/m) (at 3M)		
	PEAK	AVERAGE	PEAK	AVERAGE	
Above 1000	80	60	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).

Spectrum Parameter	Setting			
Attenuation	Auto			
Start Frequency	1000 MHz			
Stop Frequency	10th carrier harmonic			
RB / VB (emission in restricted	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average			
band)				

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

Page 18 of 81 Report No.: STT-DG20140820F558F2

#### 3.2.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both 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. Note:

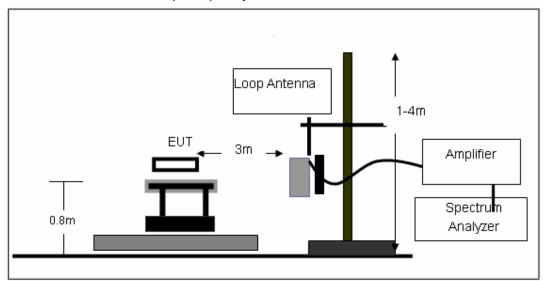
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

#### 3.2.3 DEVIATION FROM TEST STANDARD

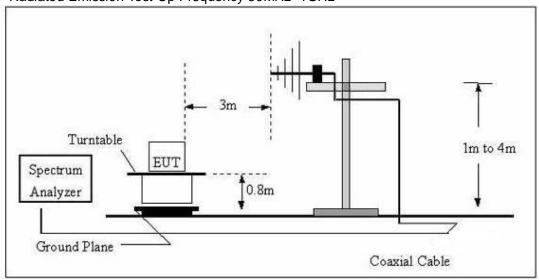
No deviation

#### 3.2.4 TEST SETUP

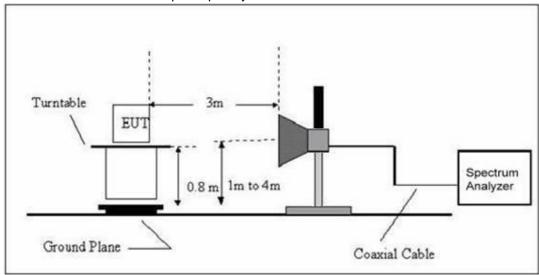
# (A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



#### 3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

# 3.2.6 TEST RESULTS (BETWEEN 9KHZ - 30 MHZ)

EUT:	Mobile Phone	Model Name. :	S60
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage:	DC 3.7V
Test Mode:	TX	Polarization :	

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
				N/A
				N/A

#### 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.

# 3.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)

EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage:	DC 3.7V
Test Mode:	TX		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect		
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	or Type	Comment	
	Below 1G							
36.76	24.59	9.65	34.24	40	-5.76	QP	Vertical	
122.43	25.73	11.25	36.98	43.5	-6.52	QP	Vertical	
223.65	30.66	10.02	40.68	46	-5.32	QP	Vertical	
308.54	22.46	16.56	39.02	46	-6.98	QP	Vertical	
466.83	17.35	21.26	38.61	46	-7.39	QP	Vertical	
511.69	18.64	22.87	41.51	46	-4.49	QP	Vertical	
55.83	24.55	10.73	35.28	40	-4.72	QP	Horizontal	
100.65	25.71	7.85	33.56	40	-6.44	QP	Horizontal	
188.85	21.47	11.83	33.3	43.5	-10.2	QP	Horizontal	
209.94	21.94	13.26	35.2	46	-10.8	QP	Horizontal	
336.73	22.65	16.83	39.48	46	-6.52	QP	Horizontal	
518.96	18.66	21.83	40.49	46	-5.51	QP	Horizontal	

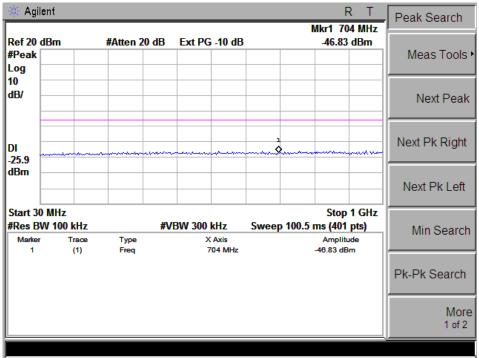
# 3.2.8 TEST RESULTS (ABOVE 1000 MHZ)

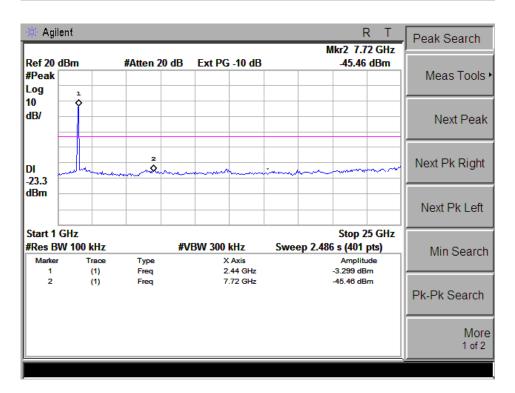
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect	Comment
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	or Type	Comment
Low Channel (2412 MHz)-Above 1G							
4824.45	56.78	10.44	67.22	74	-6.78	Pk	Vertical
4824.45	37.67	10.44	48.11	54	-5.89	Av	Vertical
7236.13	55.57	12.39	67.96	74	-6.04	Pk	Vertical
7236.13	36.1	12.39	48.49	54	-5.51	Av	Vertical
4824.66	48.64	10.44	59.08	74	-14.92	Pk	Horizontal
4824.66	29.49	10.44	39.93	54	-14.07	Av	Horizontal
7236.48	44.55	12.39	56.94	74	-17.06	Pk	Horizontal
7236.48	31.77	12.39	44.16	54	-9.84	Av	Horizontal
	<del>,</del>	Mid Cha	annel (2437 MHz)- <i>F</i>	Above 1G			
4874.55	53.56	10.4	63.96	74	-10.04	Pk	Vertical
4874.55	39.45	10.4	49.85	54	-4.15	Av	Vertical
7311.27	53.53	12.75	66.28	74	-7.72	Pk	Vertical
7311.27	36.64	12.75	49.39	54	-4.61	Av	Vertical
4874.65	53.28	10.4	63.68	74	-10.32	Pk	Horizontal
4874.65	33.75	10.4	44.15	54	-9.85	Av	Horizontal
7311.37	50.87	12.75	63.62	74	-10.38	Pk	Horizontal
7311.37	29.76	12.75	42.51	54	-11.49	Av	Horizontal
	<del>,</del>	High Ch	annel (2462 MHz)-	Above 1G			
4924.43	57.65	10.39	68.04	74	-5.96	Pk	Vertical
4924.43	40.63	10.39	51.02	54	-2.98	Av	Vertical
7386.27	53.27	12.68	65.95	74	-8.05	Pk	Vertical
7386.27	37.55	12.68	50.23	54	-3.77	Av	Vertical
4924.63	46.73	10.39	57.12	74	-16.88	Pk	Horizontal
4924.63	28.74	10.39	39.13	54	-14.87	Av	Horizontal
7386.28	42.17	12.68	54.85	74	-19.15	Pk	Horizontal
7386.28	26.882	12.68	39.562	54	-14.438	Av	Horizontal

Note:"802.11b" mode is the worst mode.

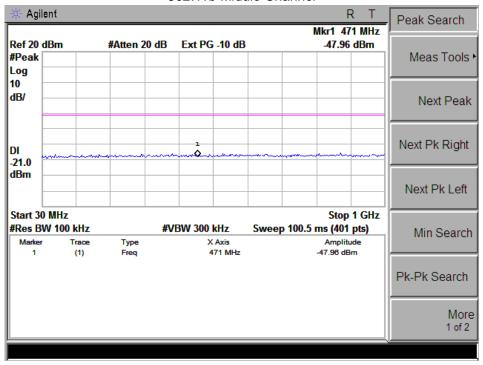
## Conducted Spurious Emissions at Antenna Port:

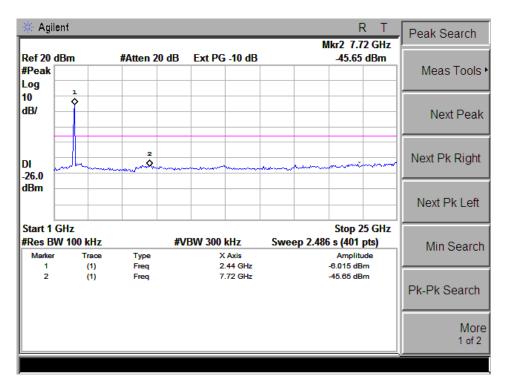
#### 802.11b Low Channel



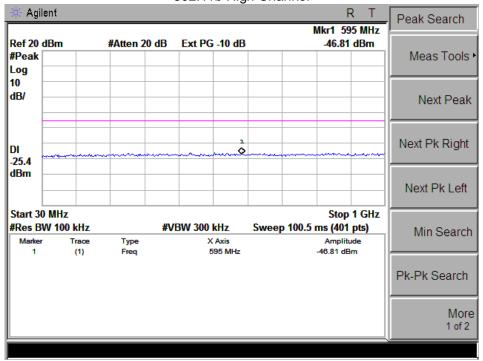


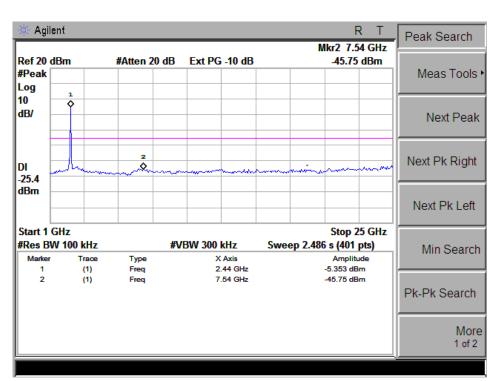
802.11b Middle Channel

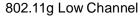


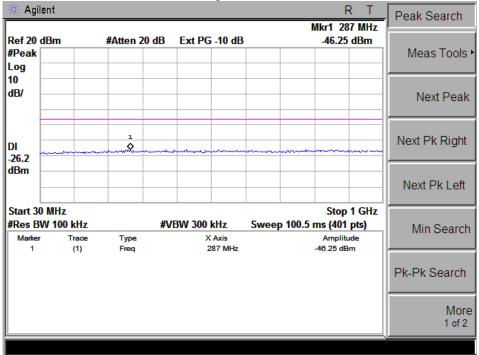


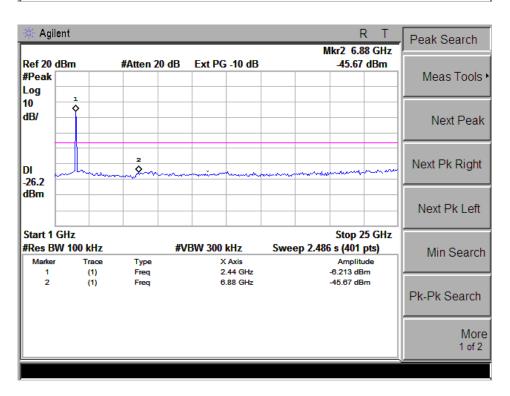
802.11b High Channel



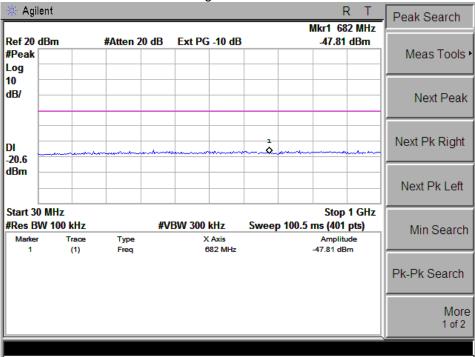


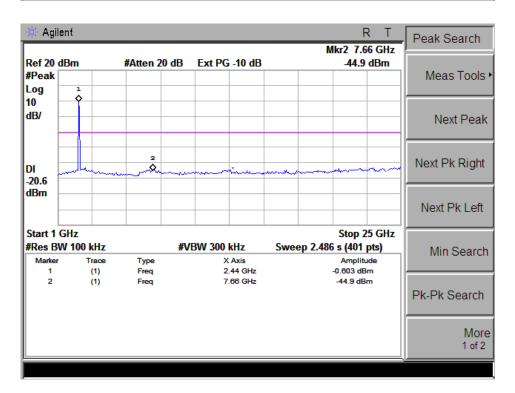




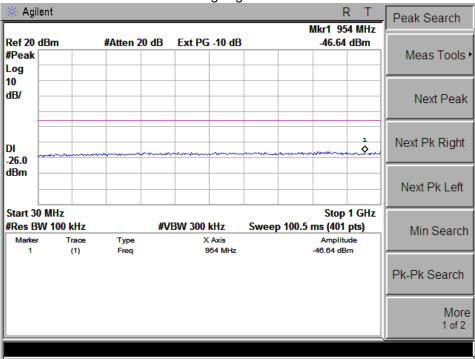


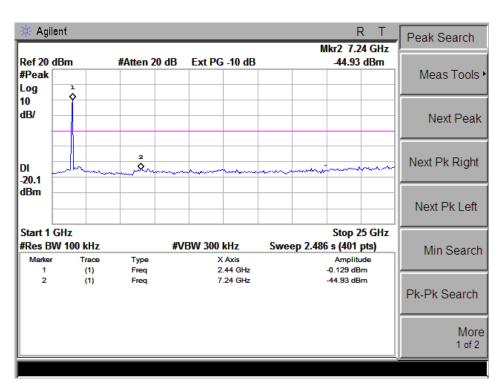
802.11g Middle Channel



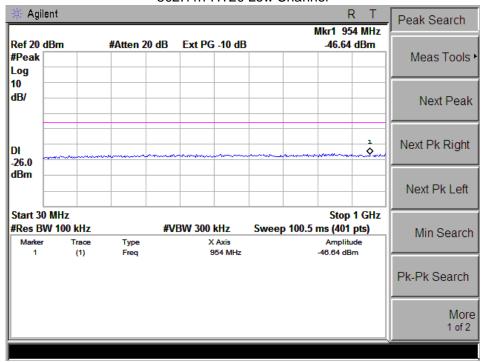


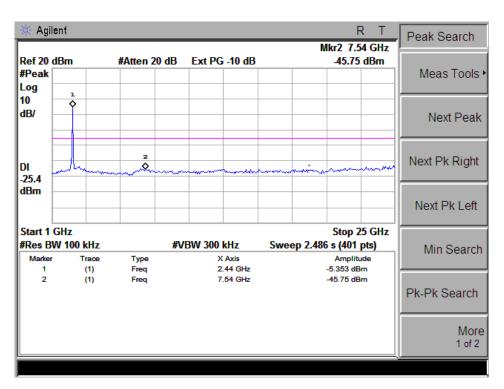
802.11g High Channel



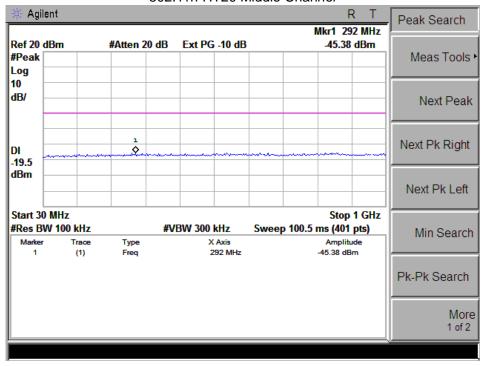


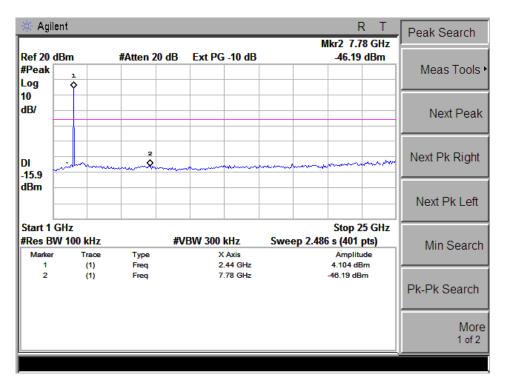
802.11n-HT20 Low Channel



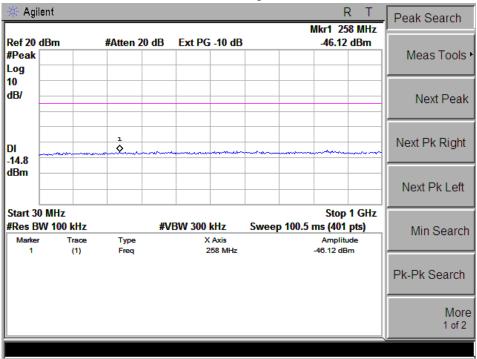


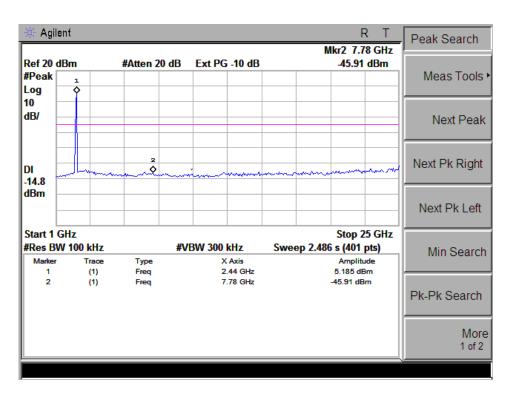
802.11n-HT20 Middle Channel



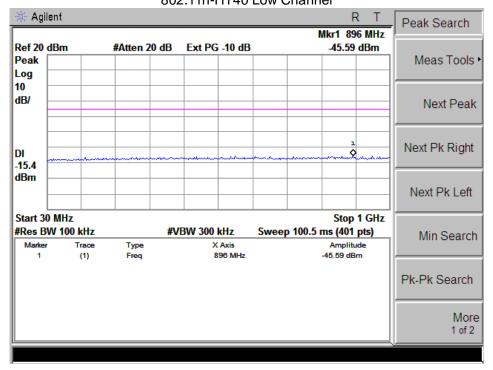


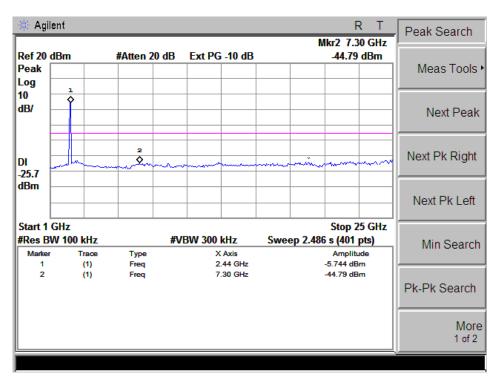
802.11n-HT20 High Channel



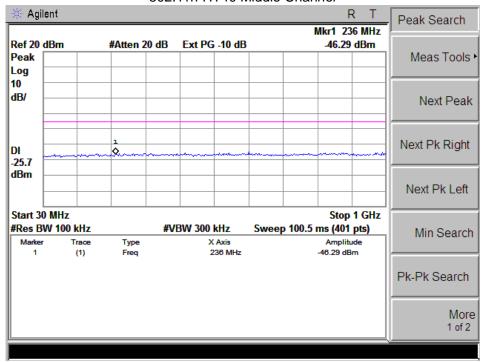


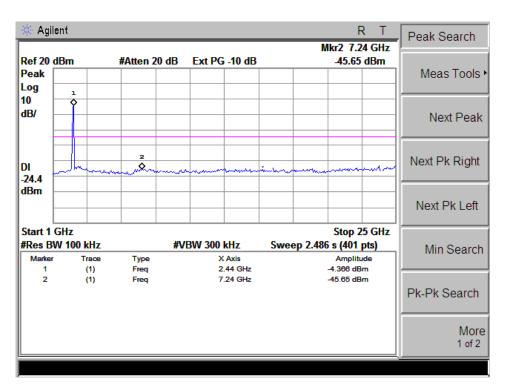
802.11n-HT40 Low Channel



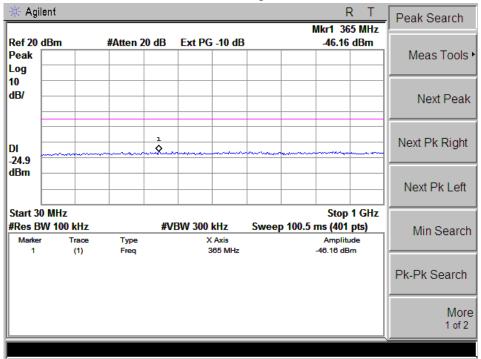


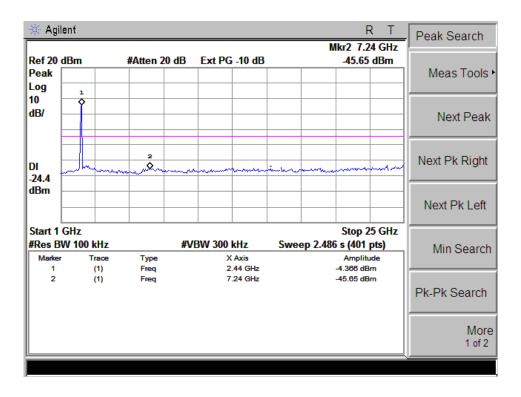
802.11n-HT40 Middle Channel





802.11n-HT40 High Channel





#### 4. POWER SPECTRAL DENSITY TEST

#### 4.1 APPLIED PROCEDURES / LIMIT

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

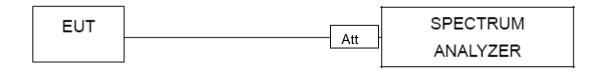
#### **4.1.1 TEST PROCEDURE**

- 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 RBW ≥ 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.

#### 4.1.2 DEVIATION FROM STANDARD

No deviation.

#### 4.1.3 TEST SETUP



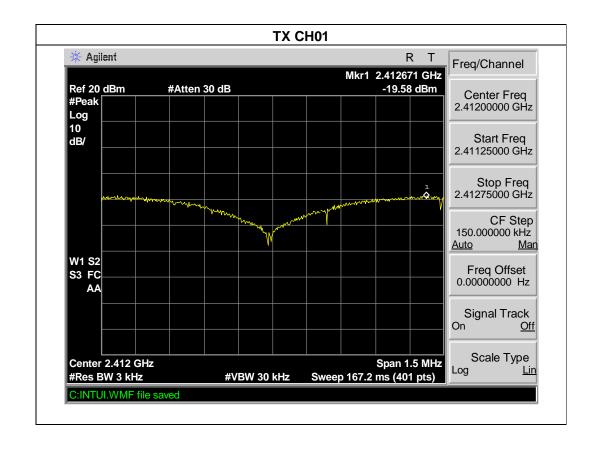
#### 4.1.4 EUT OPERATION CONDITIONS

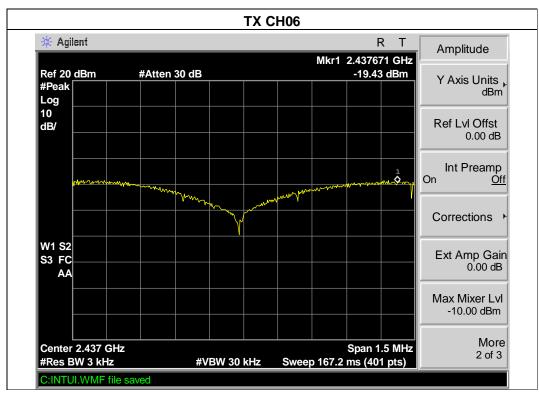
The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

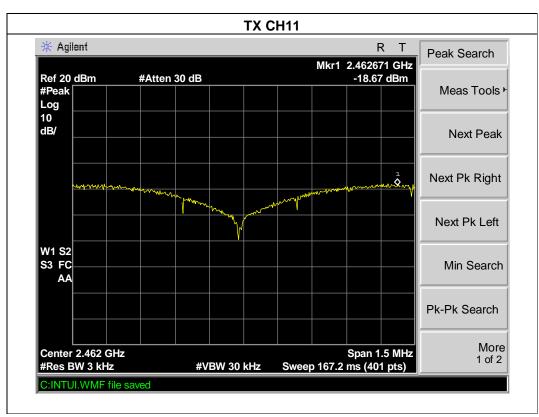
# 4.1.5 TEST RESULTS

EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>25</b> ℃	Relative Humidity:	56%
Pressure :	1015 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX b Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-19.58	8	PASS
2437 MHz	-19.43	8	PASS
2462 MHz	-18.67	8	PASS

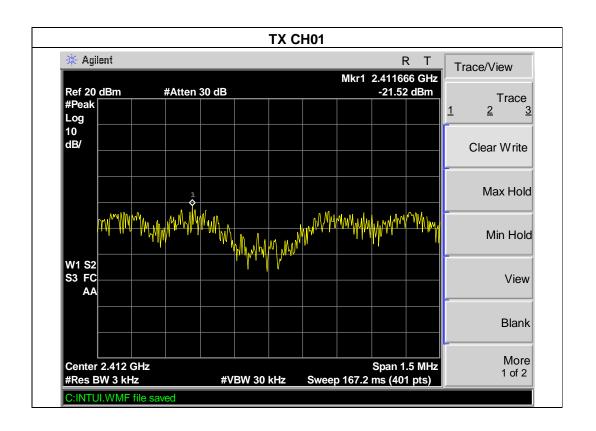


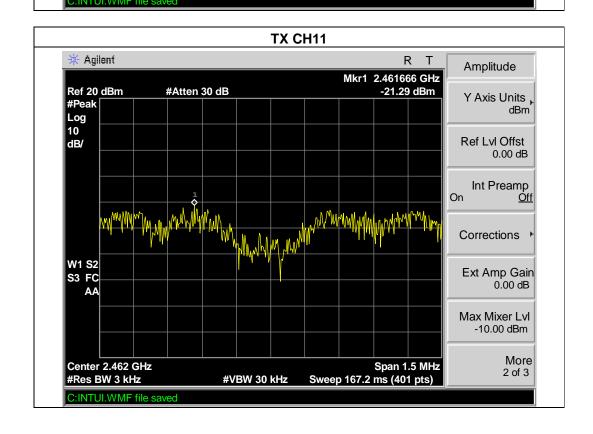




EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>25</b> ℃	Relative Humidity:	56%
Pressure:	1015 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX g Mode /CH01, CH06, CH11		

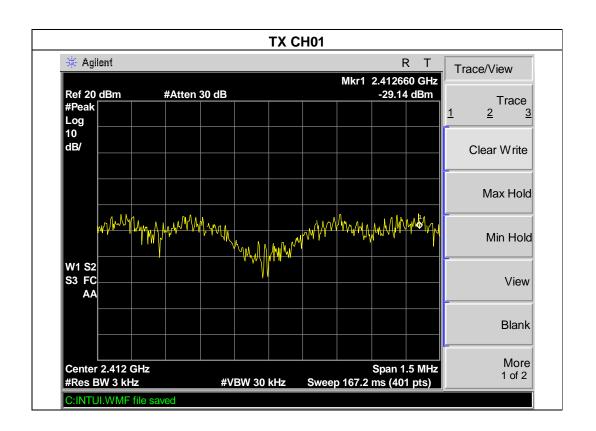
Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-21.52	8	PASS
2437 MHz	-15.75	8	PASS
2462 MHz	-21.29	8	PASS

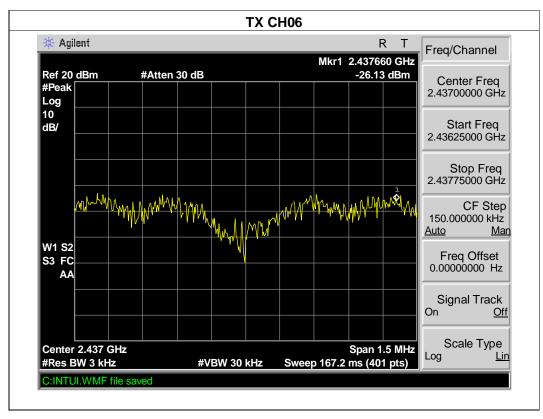


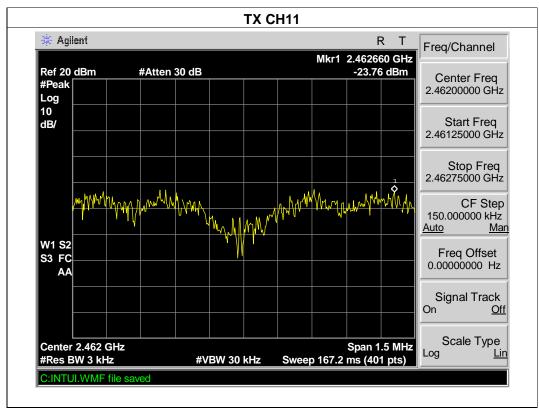


EUT:	Mobile Phone	Model Name :	S60	
Temperature:	<b>25</b> ℃	Relative Humidity:	56%	
Pressure:	1015 hPa	Test Voltage :	DC 3.7V	
Test Mode :	TX n Mode(20M) /CH01, CH06, CH11			

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-29.14	8	PASS
2437 MHz	-16.13	8	PASS
2462 MHz	-13.76	8	PASS

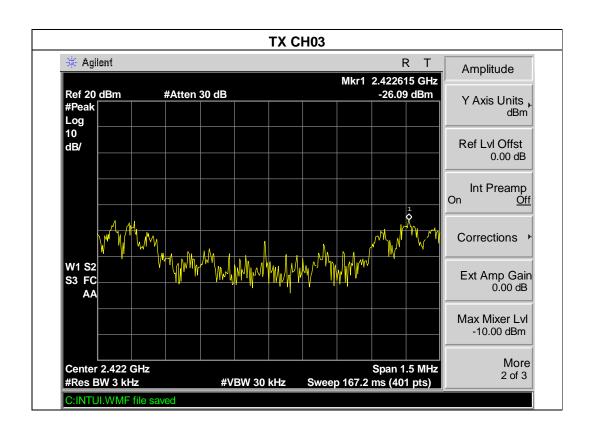


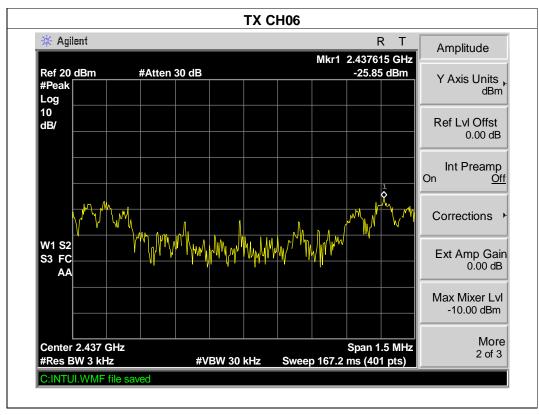


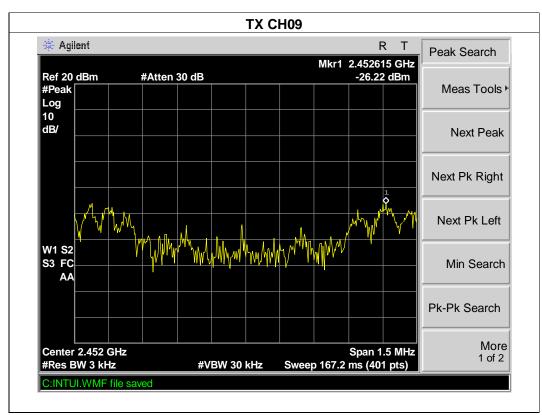


EUT:	Mobile Phone	Model Name :	S60	
Temperature:	<b>25</b> ℃	Relative Humidity:	56%	
Pressure:	1015 hPa	Test Voltage :	DC 3.7V	
Test Mode :	TX n Mode(40M) /CH03, CH06, CH09			

Frequency	Power Density (dBm)	Limit (dBm)	Result
2422 MHz	-26.09	8	PASS
2437 MHz	-25.85	8	PASS
2452 MHz	-26.22	8	PASS







### 5. BANDWIDTH TEST

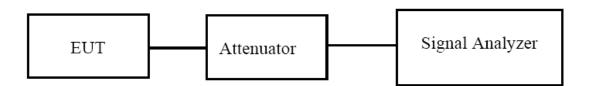
# 5.1 APPLIED PROCEDURES / LIMIT

	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		

### **5.1.1 TEST PROCEDURE**

According to KDB 558074 D01 DTS Meas Guidance v03r01

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator
- 2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- 3. Measure the frequency difference of two frequencies that were attenuated 6 dB from the reference level. Record the frequency difference as the emission bandwidth.
- 4. Repeat above procedures until all frequencies measured were complete.



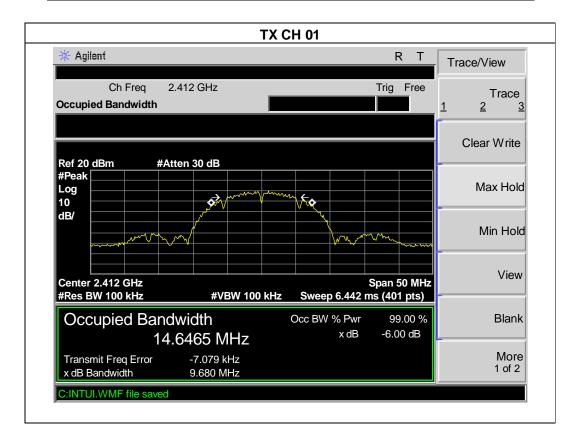
### **5.1.2 EUT OPERATION CONDITIONS**

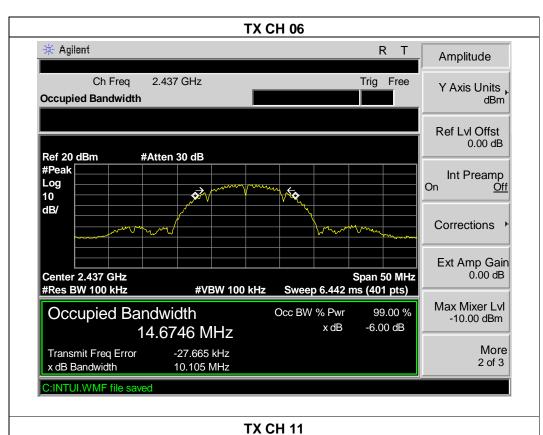
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

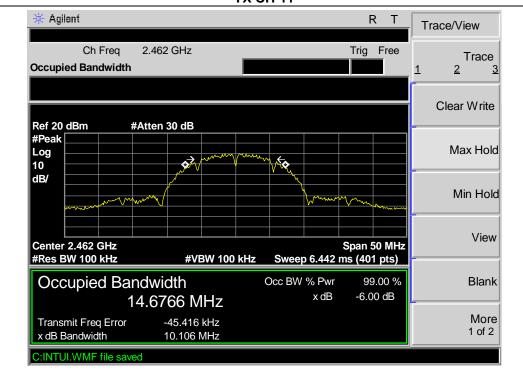
# **5.1.3 TEST RESULTS**

EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>25</b> ℃	Relative Humidity:	56%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX b Mode /CH01, CH06, CH11		

Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2412	9.68	500	Pass
Middle	2437	10.105	500	Pass
High	2462	10.106	500	Pass

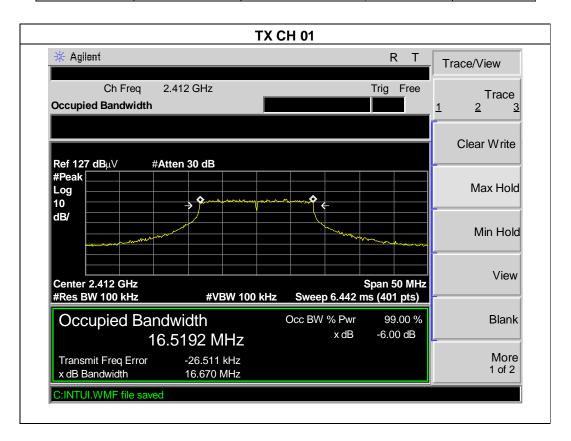


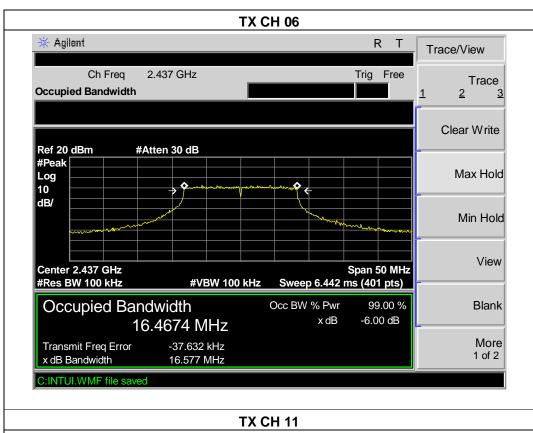


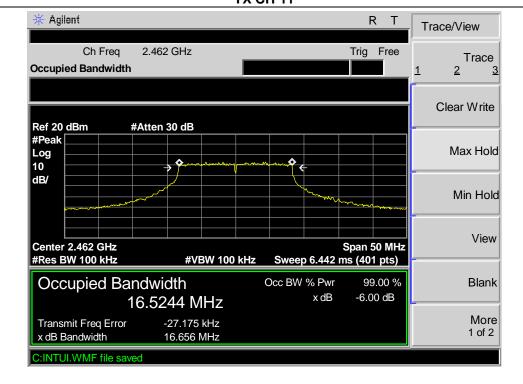


EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>25</b> ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX g Mode /CH01, CH06, CH11		

Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2412	16.67	500	Pass
Middle	2437	16.577	500	Pass
High	2462	16.656	500	Pass

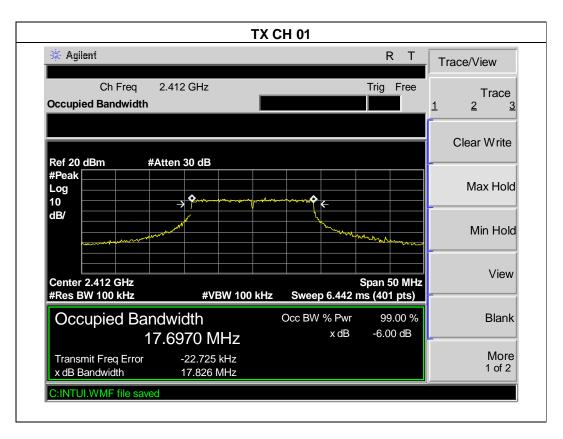


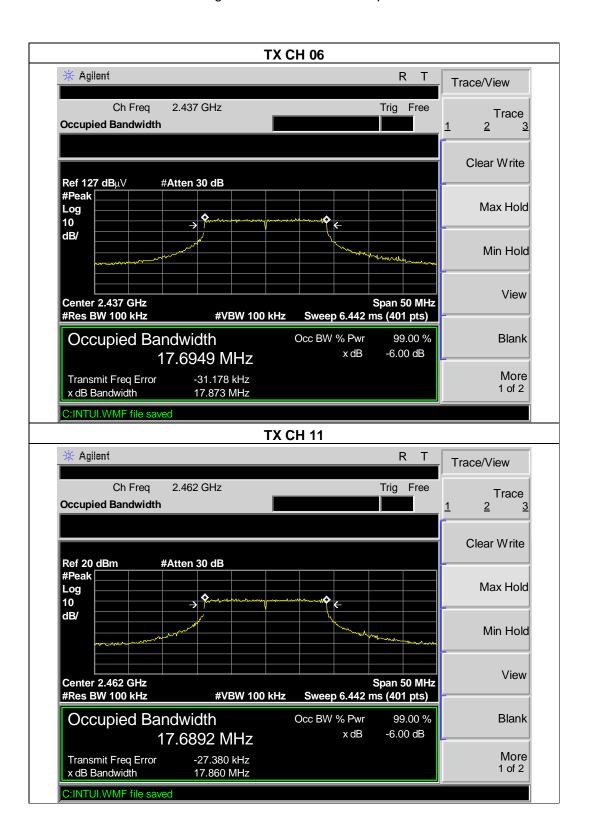




EUT:	Mobile Phone	Model Name :	S60	
Temperature:	<b>25</b> ℃	Relative Humidity:	56%	
Pressure:	1012 hPa	Test Voltage :	DC 3.7V	
Test Mode :	X n Mode(20M) /CH01, CH06, CH11			

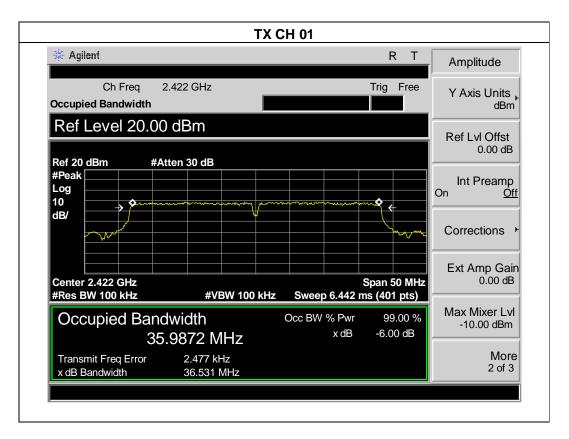
Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2412	17.826	500	Pass
Middle	2437	17.873	500	Pass
High	2462	186	500	Pass

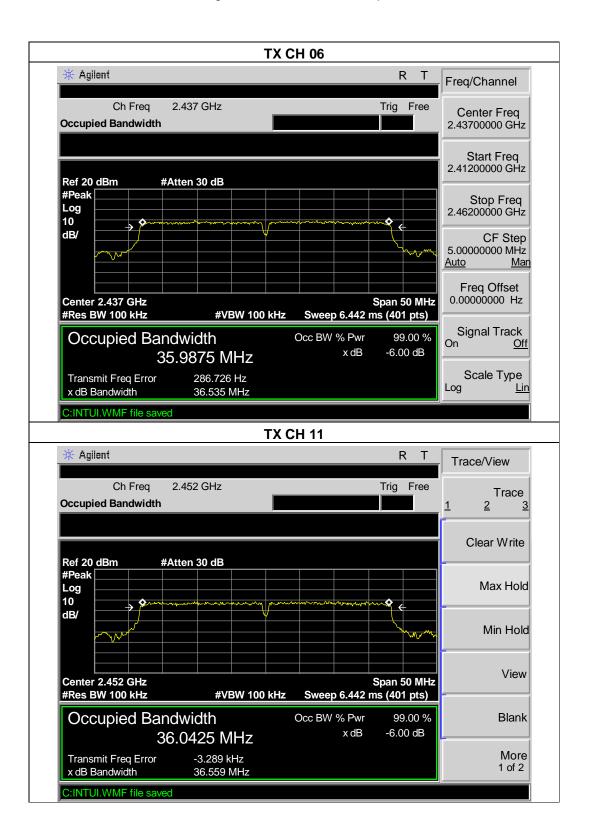




EUT:	Mobile Phone	Model Name :	S60	
Temperature:	<b>25</b> ℃	Relative Humidity:	56%	
Pressure:	1012 hPa	Test Voltage :	DC 3.7V	
Test Mode :	X n Mode(40M) /CH03, CH06, CH09			

Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2422	36.531	500	Pass
Middle	2437	36.535	500	Pass
High	2452	36.559	500	Pass





# **6. PEAK OUTPUT POWER TEST**

# **6.1 APPLIED PROCEDURES / LIMIT**

FCC Part15 (15.247) , Subpart C					
Section	Test Item	Limit	Frequency Range (MHz)	Result	
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS	

### **6.1.1 TEST PROCEDURE**

a. The EUT was directly connected to the Power meter

# **6.1.2 DEVIATION FROM STANDARD**

No deviation.

### 6.1.3 TEST SETUP



### **6.1.4 EUT OPERATION CONDITIONS**

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

# **6.1.5 TEST RESULTS**

EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>25</b> ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX b/g/n20/n40 Mode		

	TX 802.11b Mode					
Test Channe	Frequency	Maximum Conducted Output Power(PK)	Maximum Conducted Output Power(AV)	LIMIT		
	(MHz)	(dBm)	(dBm)	(dBm)		
CH01	2412	10.65	9.75	30		
CH06	2437	10.54	9.11	30		
CH11	2462	10.25	9.07	30		
	TX 802.11g Mode					
CH01	2412	8.65	7.82	30		
CH06	2437	8.53	7.48	30		
CH11	2462 8.49		7.36	30		
		TX 802.11n-H	Γ20 Mode			
CH01	2412	7.84	6.43	30		
CH06	2437	7.58	6.21	30		
CH11	2462	7.55	6.20	30		
		TX 802.11n-H	Γ40 Mode			
CH03	2422	6.59	5.35	30		
CH06	2437	6.39	5.26	30		
CH09	2452	6.22	5.08	30		

Note: the highest AVG powers for:

802.11b: 1Mbps 802.11g: 6Mbps

802.11n(20M): 6.5Mbps 802.11 n(40M): 13.5Mbps

Note: the highest PK powers for:

802.11b: 1Mbps 802.11g: 5Mbps

802.11n(20M): 6.5Mbps 802.11 n(40M): 13.5Mbps

# 7. 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE APPLICABLE STANDARD

In any 100 kHz 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 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

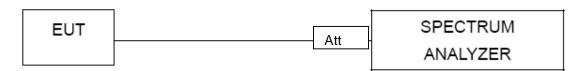
### **TEST PROCEDURE**

- a) Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b) Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- c) Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
- d) Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- e) Repeat above procedures until all measured frequencies were complete.

### 7.1 DEVIATION FROM STANDARD

No deviation.

#### 7.2 TEST SETUP



### 7.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

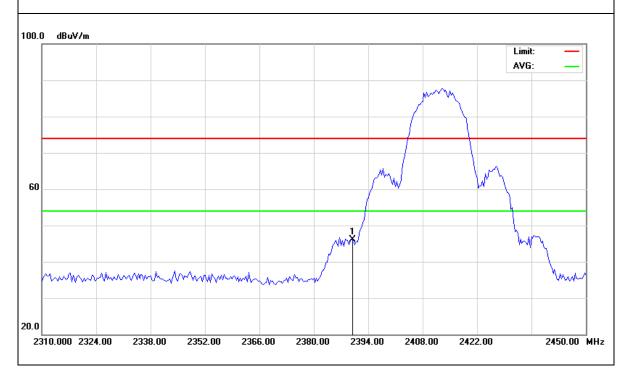
# 7.4 TEST RESULTS

EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>25</b> ℃	Relative Humidity:	56%
Pressure:	1012 hPa	Test Voltage :	DC 3.7V

Frequency Band	Delta Peak to band emission (dBc)	>Limit (dBc)	Result		
	802.11b				
Left-band	39.87	20	Pass		
Right-band	42.66	20	Pass		
802.11g					
Left-band	37.65	20	Pass		
Right-band	43.76	20	Pass		
	802.11n20				
Left-band	38.97	20	Pass		
Right-band	39.77	20	Pass		
	802.11n40				
Left-band	40.31	20	Pass		
Right-band	40.76	20	Pass		

EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2412 11b	Polarization:	Н

Freq.	Reading	Factor	Measurement	Limit	Over	Detector	
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector	
2390	59.11	-13.06	46.05	54	-7.95	peak	
							-
							_
							_
							_

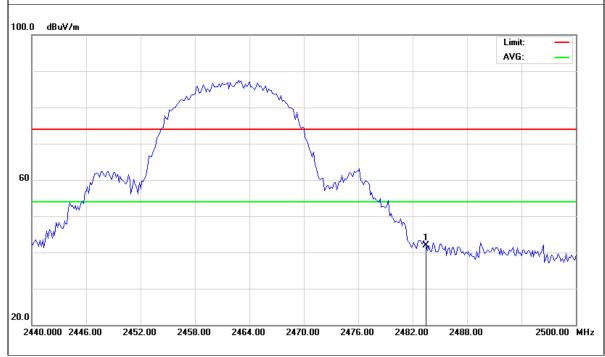


EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2412 11b	Polarization :	V

L	Freq.	Reading		Factor	Meas	urement	Lim	it	Over		tector
	(MHz)	(dBuV)		(dBuV)	(dl	BuV)	(dBu	ıV)	(dB)		lector
I	2390	57.95		-13.06	44	1.89	54		-9.11	р	eak
[											
L											
L											
L											
-											
0	dBuV/m									Limit:	
l										AVG:	
l											
l								m			
l							ļ,				
l							(	,	\		
Ì											
									1		
							May		1 M		
							/ "		,		
ŀ										1	
						1				<b>\</b> [ ]	
l						l f T				many	
l					M					<del>-    </del>	·λ 1
ŀ	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Month	NWW	WWVW	mww/"	ruv					Mnn
	2387.000									2407.0	000

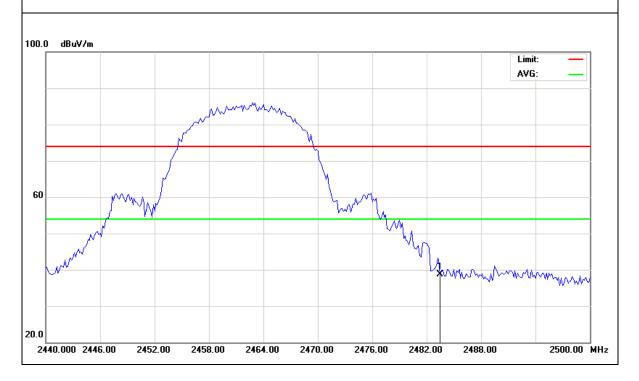
EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2462 11b	Polarization :	Н

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2483.5	54.78	-12.78	42	54	-12	peak



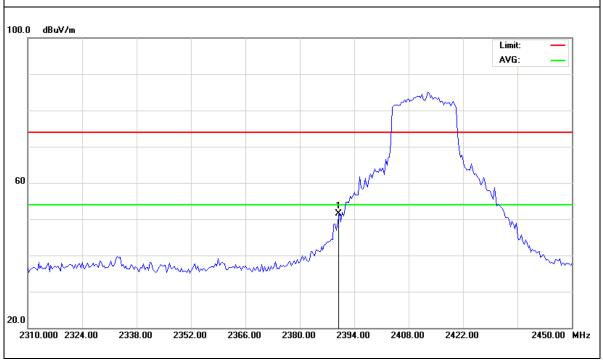
EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2462 11b	Polarization :	V

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2483.5	51.58	-12.78	38.8	54	-15.2	peak



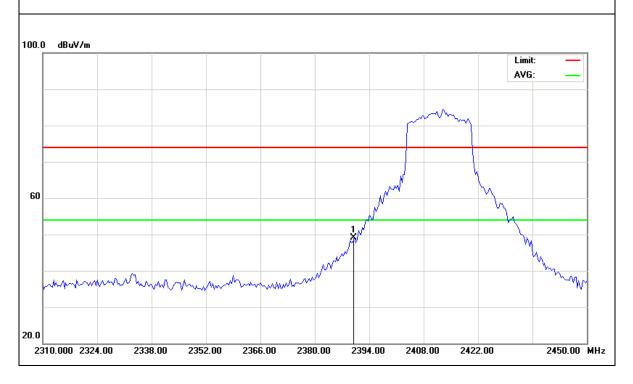
EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2412 11g	Polarization :	Н

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2390	64.56	-13.06	51.5	54	-2.5	peak



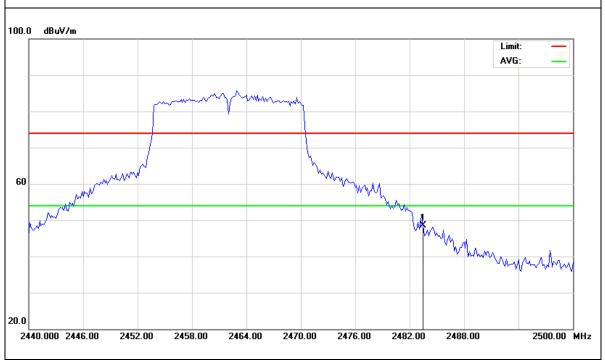
EUT:	Mobile Phone	Model Name :	S60
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2412 11g	Polarization :	V

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2390	62.16	-13.06	49.1	54	-4.9	peak



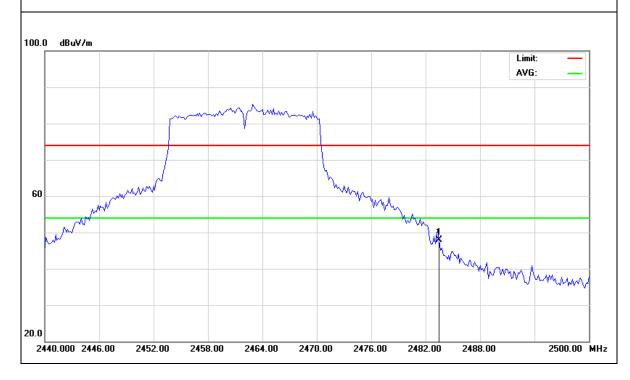
EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2462 11g	Polarization :	Н

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2483.5	51.24	-12.78	38.46	54	-15.54	peak
						<u> </u>



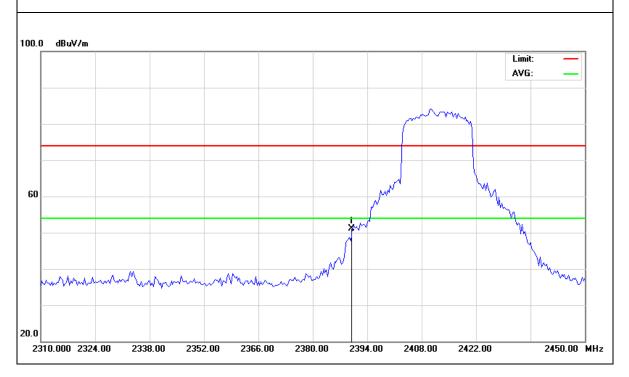
EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2462 11g	Polarization :	V

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2483.5	50.35	-12.78	37.57	54	-16.43	peak



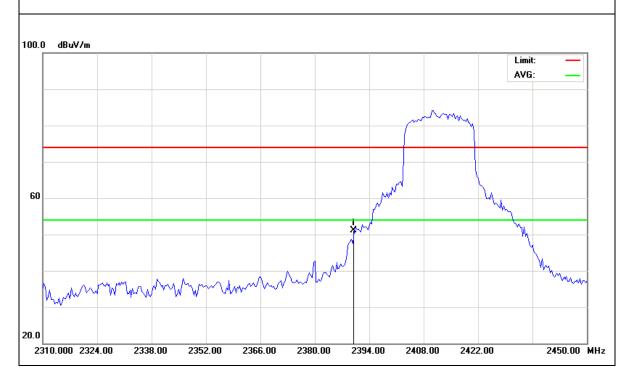
EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2412 11n(20M)	Polarization :	Н

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2390	64.63	-13.06	51.57	54	-2.43	peak



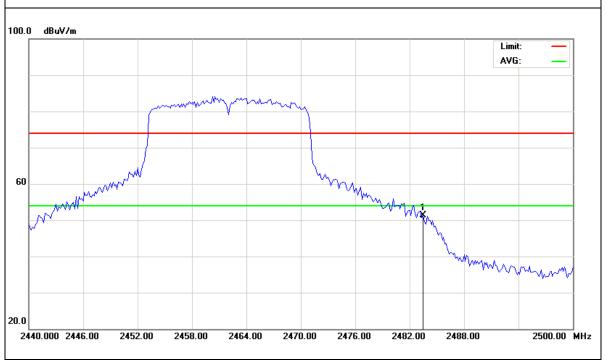
EUT:	Mobile Phone	Model Name :	S60
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2412 11n(20M)	Polarization :	V

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2390	64.11	-13.06	51.05	54	-2.95	peak



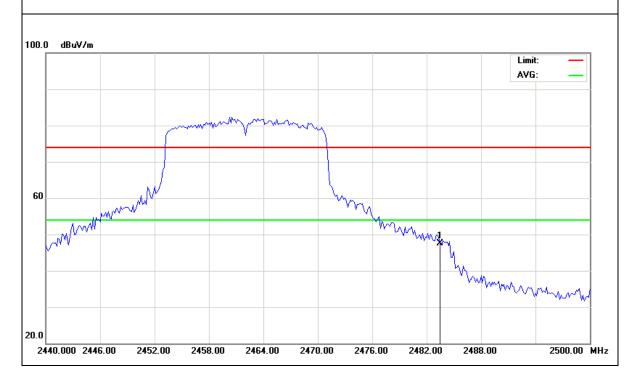
EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2462 11n(20M)	Polarization :	Н

(dB)	Detector
(ub)	
-2.78	peak



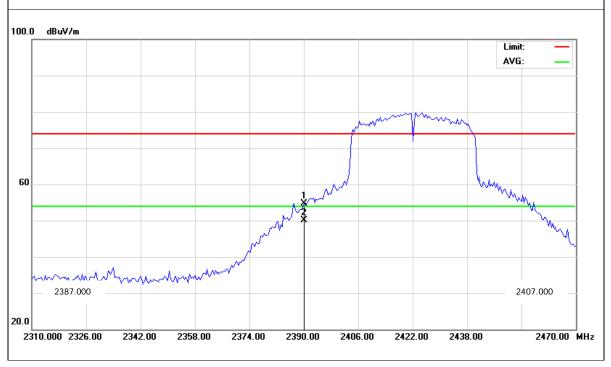
EUT:	Mobile Phone	Model Name :	S60
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2462 11n(20M)	Polarization :	V

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2483.5	60.28	-12.78	47.5	54	-6.5	peak



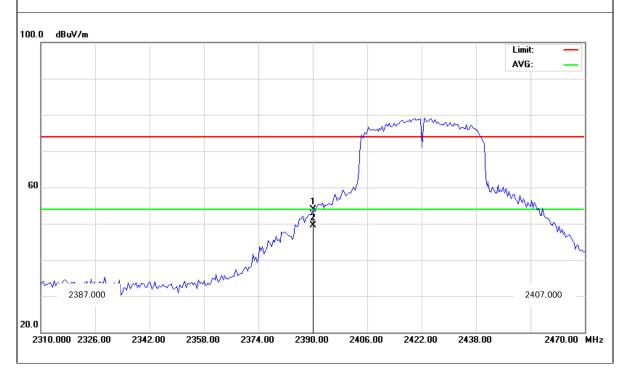
EUT:	Mobile Phone	Model Name :	S60
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2422 11n(40M)	Polarization :	Н

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2390	67.68	-13.06	54.62	74	-19.38	peak
2390	63.2	-13.06	50.14	54	-3.86	AVG



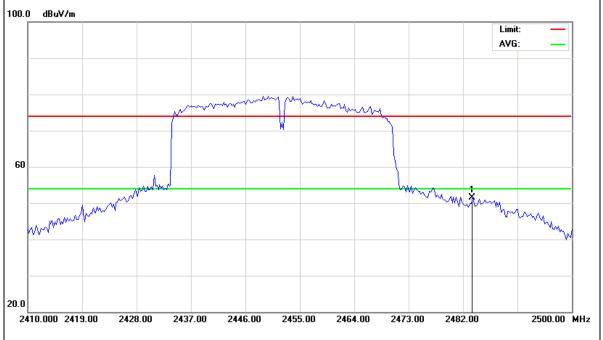
EUT:	Mobile Phone	Model Name :	S60
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2422 11n(40M)	Polarization :	V

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2390	67	-13.06	53.94	74	-20.06	peak
2390	62.52	-13.06	49.46	54	-4.54	AVG



EUT:	Mobile Phone	Model Name :	S60
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2452 11n(40M)	Polarization :	Н

	Freq.	Reading	Factor	Measurement	Limit	Over	Detector
	(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
	2483.5	64.58	-12.78	51.8	54	-2.2	peak
100.	.O dBuV/m						
						Lir	nit: —



EUT:	Mobile Phone	Model Name :	S60
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	2452 11n(40M)	Polarization :	V

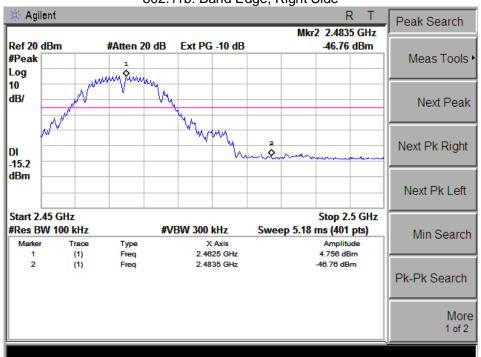
Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Detector
2483.5	60.57	-12.78	47.79	54	-6.21	peak
ID VI						
dBuV/m					L	imit: —
						vg:
			my phases			
	<del>,,,</del>	money	Mr Tonnan	~~~~		
			14			
				Va.		
	WANNAN .			· www	Mary 1	
www.hum					AL A MANA	manana
My.,						WANNA O

Note: Test method to see chapter 3.2 . When PK value is lower than the Average value limit, average didn't record.

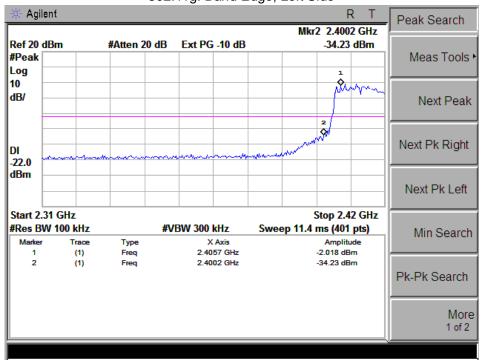
802.11b: Band Edge, Left Side



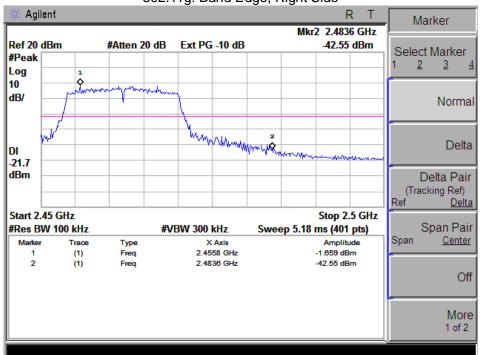
802.11b: Band Edge, Right Side



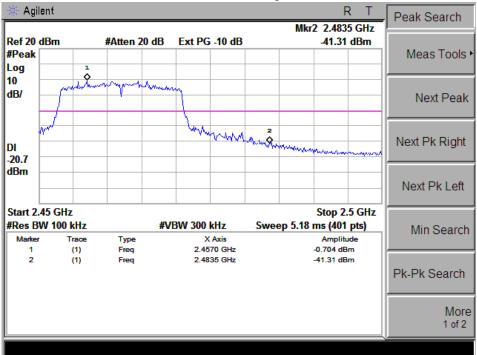
802.11g: Band Edge, Left Side



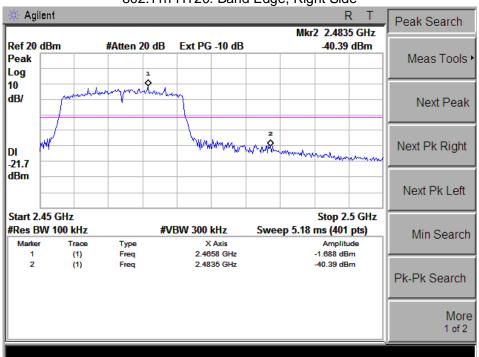
802.11g: Band Edge, Right Side



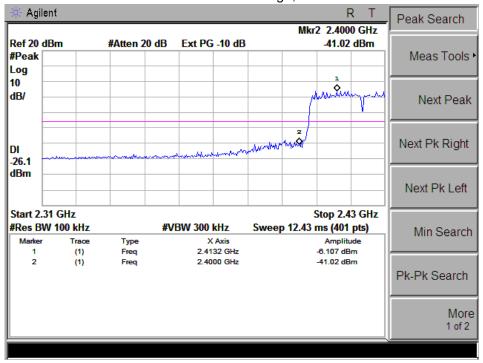
802.11n-HT20: Band Edge, Left Side



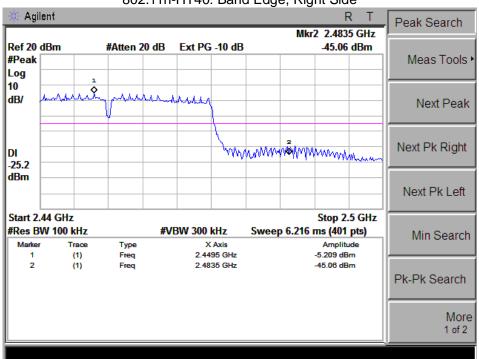
802.11n-HT20: Band Edge, Right Side



802.11n-HT40: Band Edge, Left Side



802.11n-HT40: Band Edge, Right Side



# **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.

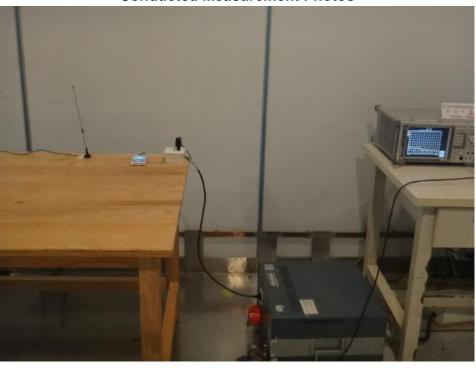
# 9. EUT TEST PHOTO







# **Conducted Measurement Photos**



# **Conducted Measurement Photos**

