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# **FCC Test Report**

Report No.: AGC00069130604FE04

FCC ID : 2AAIWSKYSTERT650

**APPLICATION PURPOSE** : Original Equipment

**PRODUCT DESIGNATION**: Mobile Phone

**BRAND NAME** : HI-SKY

**MODEL NAME** : SKYSTER T650

**CLIENT**: HI-SKY INTERNATIONAL S.A.S

**DATE OF ISSUE** : June 27,2013

**STANDARD(S)** : FCC Part 15 Rules

**REPORT VERSION**: V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

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# **Report Revise Record**

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	June 27,2013	Valid	Original Report

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# 1. VERIFICATION OF CONFORMITY

HI-SKY INTERNATIONAL S.A.S
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SHENZHEN KENXINDA TECHNOLOGY CO., LTD. (BAO'AN BRANCH)
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Mobile Phone
HI-SKY
SKYSTER T650
June 13, 2013 to June 22, 2013
None
Normal
AGCRT-US-BGN/RF (2013-03-01)

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with requirement of FCC Part 15 Rules requirement.

Prepared By

Wall Huang

June 27,2013

Checked By

Forrest Lei

June 27,2013

Authorized By

Solger Zhang

June 27,2013

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# 2. GENERAL INFORMATION

# 2.1. PRODUCT DESCRIPTION

The EUT is designed as "Mobile Phone". It is designed by way of utilizing the DSSS and OFDM technology to achieve the system operation.

A major technical description of EUT is described as following

A major technical description of Eo F is described as following				
Operation Frequency	2.412 GHz~2.462GHz			
Max. Output Power	802.11b:12.96dBm, 802.11g:11.72dBm, 802.11n(20):11.63dBm, 802.11n(40):9.36dBm			
Modulation	DSSS(BPSK/QPSK/CCK);OFDM(16-QAM/64-QAM)			
Data Rate	DSSS(1/2/5.5/11),OFDM(6/9/12/18/24/36/48/54) See section 2.3 for 802.11n			
Number of channels	11			
Hardware Version	T510			
Software Version	N/A			
Antenna Designation	Integrated Antenna			
Antenna Gain	0.8dBi			
Power Supply	DC3.7V by Built-in Li-ion Battery			

# 2.2. TABLE OF CARRIER FREQUENCYS

Frequency Band	Channel Number	Frequency
	1	2412 MHZ
	2	2417 MHZ
	3	2422 MHZ
	4	2427 MHZ
	5	2432 MHZ
2400~2483.5MHZ	6	2437 MHZ
	7	2442 MHZ
	8	2447 MHZ
	9	2452 MHZ
	10	2457 MHZ
	11	2462 MHZ

Note: For 20MHZ bandwidth system use Channel 1 to Channel 11 For 40MHZ bandwidth system use Channel 3 to Channel 9

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#### 2.3. IEEE 802.11N MODULATION SCHEME

MCS Index	Nss   Mo		Modulation R	NBPSC	NCBPS		NDBPS		Data rate(Mbps) 800nsGI	
					20MHz	40MHz	20MHz	40MHz	20MHz	40MHz
0	1	BPSK	1/2	1	52	108	26	54	6.5	13.5
1	1	QPSK	1/2	2	104	216	52	108	13.0	27.0
2	1	QPSK	3/4	2	104	216	78	162	19.5	40.5
3	1	16-QAM	1/2	4	208	432	104	216	26.0	54.0
4	1	16-QAM	3/4	4	208	432	156	324	39.0	81.0
5	1	64-QAM	2/3	6	312	648	208	432	52.0	108.0
6	1	64-QAM	3/4	6	312	648	234	489	58.5	121.5
7	1	64-QAM	5/6	6	312	648	260	540	65.0	135.0

Symbol	Explanation	
NSS	Number of spatial streams	
R	Code rate	
NBPSC	Number of coded bits per single carrier	
NCBPS	Number of coded bits per symbol	
NDBPS	Number of data bits per symbol	
GI	Guard interval	

# 2.4. RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2AAIWSKYSTERT650** filing to comply with the FCC Part 15 requirements.

# 2.5. TEST METHODOLOGY

Because the EUT received power from DC3.7V lithium battery, so only radiated testing was performed according to the procedures in ANSI C63.4 (2003). Radiated testing was performed at an antenna to EUT distance 3 meters.

# 2.6. SPECIAL ACCESSORIES

Refer to section 5.2.

# 2.7. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

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#### 3. MEASUREMENT UNCERTAINTY

Conducted measurement: +/- 2.75dB Radiated measurement: +/- 3.2dB

#### 4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX
2	Middle channel TX
3	High channel TX
4	Normal operating (WiFi)

#### Note:

Transmit by 802.11b with Date rate (1/2/5.5/11)

Transmit by 802.11g with Date rate (6/9/12/18/24/36/48/54)

Transmit by 802.11n (20MHz) with Date rate (6.5/13/19.5/26/39/52/58.5/65)

Transmit by 802.11n (40MHz) with Date rate

(13.5/27/40.5/54/81/108/121.5/135)

#### Note:

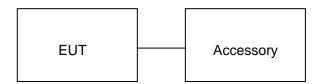
- 1. The EUT has been set to operate continuously on the lowest, middle and highest operation frequency individually.
- 2. All modes under which configure applicable have been tested and the worst mode test data recording in the test report, if no other mode data.
- 3. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

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# 5. SYSTEM TEST CONFIGURATION

# **5.1. CONFIGURATION OF EUT SYSTEM**

Configure:



# **5.2. EQUIPMENT USED IN EUT SYSTEM**

Item	Equipment Model No.		ID or Specification	Note
1	Mobile Phone	SKYSTER T650 FCC ID: 2AAIWSKYSTERT650		EUT
2	Adapter	HWT-2.5W-5050G	DC5.0V /500mA	Accessory
3	Battery	SKYSTER T650	DC3.7V/ 2100 mAh	Accessory
4	Earphone	SKYSTER T650	N/A	Accessory
5	USB Cable SKYSTER T650		N/A	Accessory

Note: All the accessories have been used during the test in conduction emission test.

# **5.3. SUMMARY OF TEST RESULTS**

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.247	Peak Output Power	Compliant
§15.247	6 dB Bandwidth	Compliant
§15.247	Conducted Spurious Emission	Compliant
§15.247	Maximum Conducted Output Power SPECTRAL Density	Compliant
§15.209	Radiated Emission	Compliant
§15.247	Band Edges	Compliant
§15.207	Line Conduction Emission	Compliant

**Note:** The EUT received power from DC3.7V lithium battery.

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# **6. TEST FACILITY**

Site	Attestation of Global Compliance (Shenzhen) Co., Ltd		
Location	2/F., Building 2, No.1-No.4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China		
Description	The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2003.		

# **ALL TEST EQUIPMENT LIST**

Description	Manufacturer	Model	S/N	Cal. Date	Cal. Due
Power Probe	R&S	NRP-Z23	100323	07/18/2012	07/17/2013
RF attenuator	N/A	RFA20db	68	N/A	N/A
Spectrum Analyzer	Agilent	E4440A	US41421290	07/18/2012	07/17/2013
Amplifier	EM	EM30180	0607030	07/18/2012	07/17/2013
Horn Antenna	EM	EM-AH-10180	67	04/21/2013	04/20/2014
Horn Antenna	A.H. Systems Inc.	SAS-574		07/18/2012	07/17/2013
EMI Test Receiver	Rohde & Schwarz	ESCI	100694	07/18/2012	07/17/2013
Biological Antenna	A.H. Systems Inc.	SAS-521-4	26	06/08/2013	06/09/2014
Loop Antenna	A.H.	SAS-526B	264	07/15/2012	07/14/2013

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#### 7. PEAK OUTPUT POWER

#### 7.1. MEASUREMENT PROCEDURE

For peak power test:

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 3. Set the EUT Work on the top, middle and the bottom operation frequency individually.
- 4. Set the RBW greater than 6DB bandwidth of emission.
- 5. Record the maximum power from the Spectrum Analyzer.

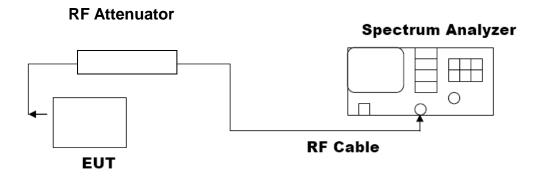
#### For average power test:

- 1. The EUT was placed on a table which is 0.8m above ground plane.
- 2. Connect EUT RF output port to power probe through an RF attenuator.
- 3. Connect the power probe to the PC.
- 4. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 5. Record the maximum power from the software.
- 6. The maximum peak power shall be less 1 Watt (30dBm).

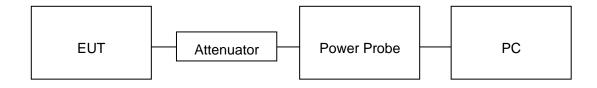
Note: The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

# 7.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

### **PEAK POWER TEST SETUP**



# **AVERAGE POWER SETUP**



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# 7.3. LIMITS AND MEASUREMENT RESULT

TEST ITEM	PEAK POWER
TEST MODE	802.11b with data rate 1

LIMITS AND MEASUREMENT RESULT				
Frequency (GHz)	Average Power (dBm)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2.412	10.95	12.92	30	Pass
2.437	10.99	12.96	30	Pass
2.462	10.93	12.88	30	Pass

TEST ITEM	PEAK POWER
TEST MODE	802.11g with data rate 6

	LIMITS AND MEASUREMENT RESULT			
Frequency (GHz)	Average Power (dBm)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2.412	9.73	11.66	30	Pass
2.437	9.76	11.72	30	Pass
2.462	9.65	11.61	30	Pass

TEST ITEM	PEAK POWER
TEST MODE	802.11n 20 with data rate 6.5

	LIMITS AND MEASUREMENT RESULT			
Frequency (GHz)	Average Power (dBm)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2.412	9.58	11.54	30	Pass
2.437	9.65	11.63	30	Pass
2.462	9.55	11.51	30	Pass

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TEST ITEM	PEAK POWER
TEST MODE	802.11n 40 with data rate 13.5

LIMITS AND MEASUREMENT RESULT				
Frequency (GHz)	Average Power (dBm)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2.422	7.35	9.28	30	Pass
2.437	7.39	9.36	30	Pass
2.452	7.27	9.23	30	Pass

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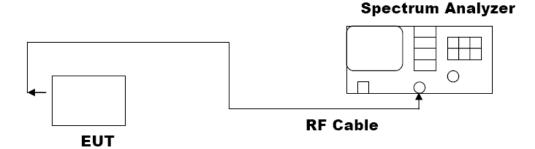
# 8. 6DB BANDWIDTH

# **8.1. MEASUREMENT PROCEDURE**

- 1. The EUT was placed on a table which is 0.8m above ground plane.
- 2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW ≥ RBW.
- 4. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

# 8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



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# 8.3. LIMITS AND MEASUREMENT RESULTS

TEST ITEM	6DB BANDWIDTH
TEST MODE	802.11b with data rate 11

LIMITS AND MEASUREMENT RESULT			
Applicable Limits			
Applicable Limits	Test Data (MHz) Criteria		
	Low Channel	10.014	PASS
>500KHZ	Middle Channel	9.136	PASS
	High Channel	10.067	PASS

TEST ITEM	6DB BANDWIDTH
TEST MODE	802.11g with data rate 54

LIMITS AND MEASUREMENT RESULT			
Annliachta Limita	Applicable Limits		
Applicable Limits	Test Data (MHz)		Criteria
	Low Channel	15.051	PASS
>500KHZ	Middle Channel	15.678	PASS
	High Channel	15.938	PASS

TEST ITEM	6DB BANDWIDTH
TEST MODE	802.11n 20 with data rate 65

LIMITS AND MEASUREMENT RESULT			
Applicable Limite		Applicable Limits	
Applicable Limits	Test Data (MHz)		Criteria
	Low Channel	15.172	PASS
>500KHZ	Middle Channel	15.908	PASS
	High Channel	15.095	PASS

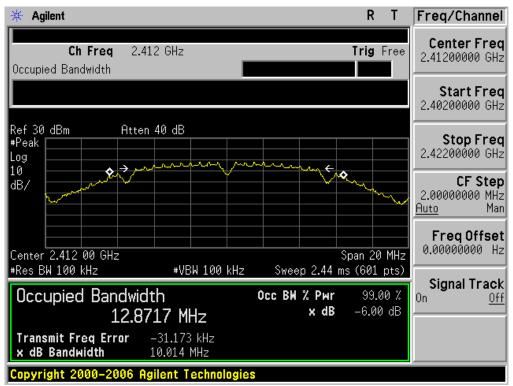
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TEST ITEM	6DB BANDWIDTH
TEST MODE	802.11n 40 with data rate 135

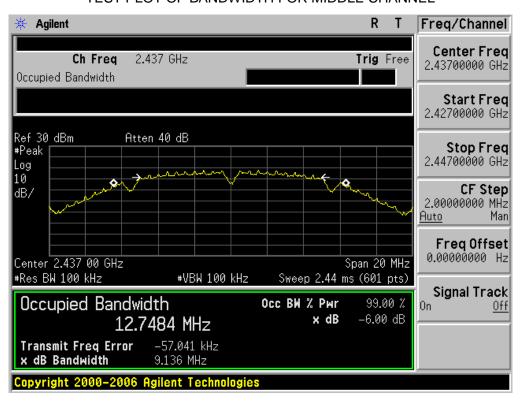
LIMITS AND MEASUREMENT RESULT				
Applicable Limits				
Applicable Limits	Test Data (MHz)		Criteria	
	Low Channel	35.098	PASS	
>500KHZ	Middle Channel	35.260	PASS	
	High Channel	33.778	PASS	

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**802.11b TEST RESULT**TEST PLOT OF BANDWIDTH FOR LOW CHANNEL

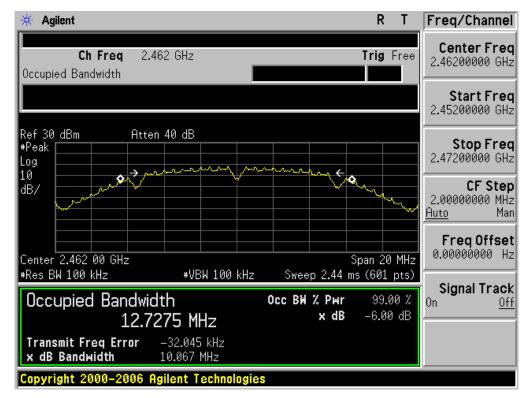


### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

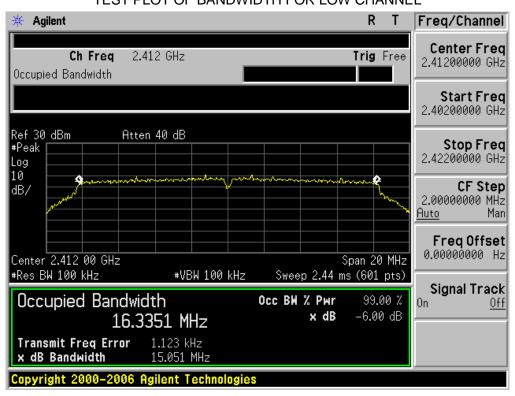


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#### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

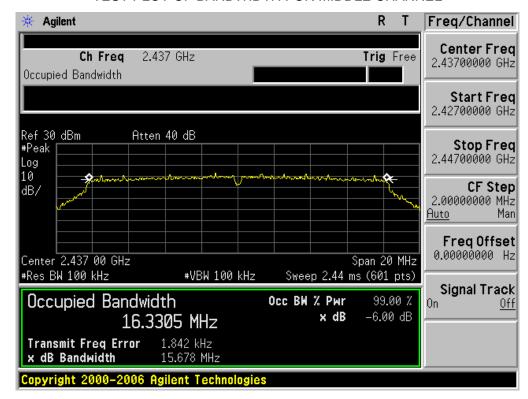


802.11g TEST RESULT
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL

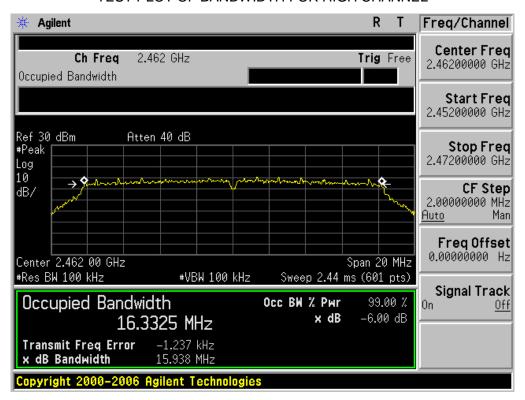


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#### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

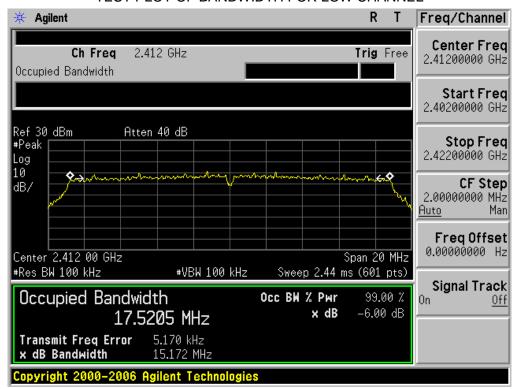


#### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

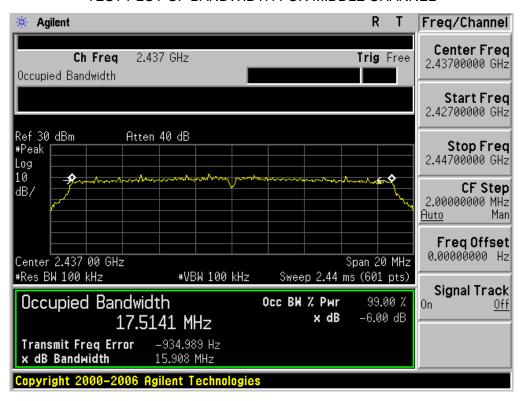


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# **802.11n(20) TEST RESULT**TEST PLOT OF BANDWIDTH FOR LOW CHANNEL

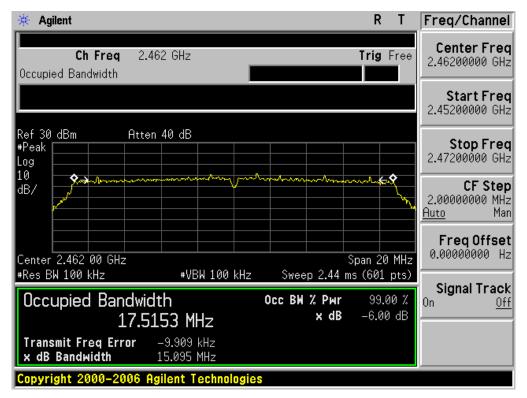


#### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



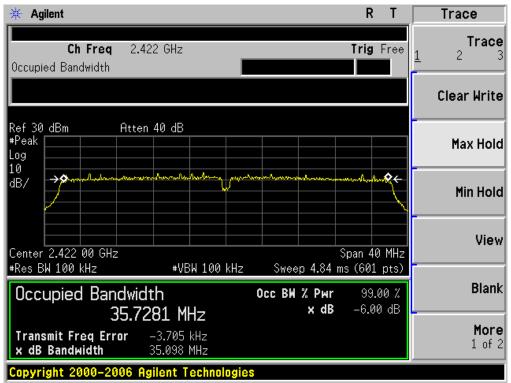
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#### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

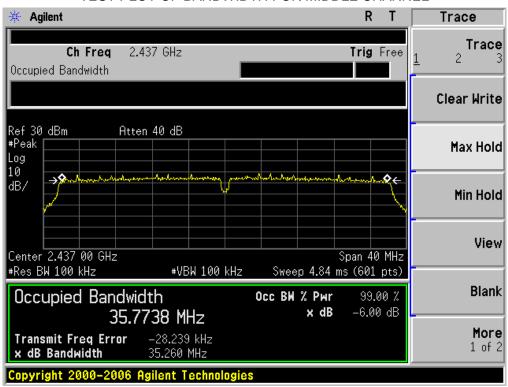


# 802.11n(40) TEST RESULT

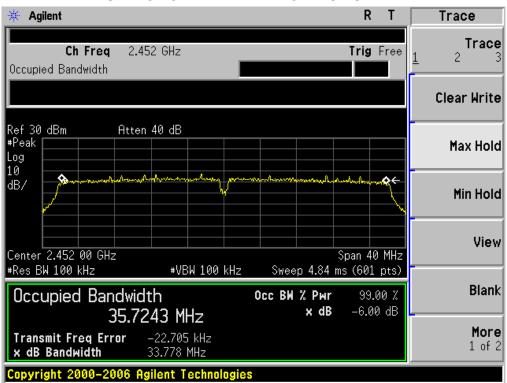
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



#### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



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# 9. CONDUCTED SPURIOUS EMISSION

# 9.1. MEASUREMENT PROCEDURE

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 3, Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 4. Set SPA Trace 1 Max hold, then View.

**Note:** The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

# 9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 8.2.

# 9.3. MEASUREMENT EQUIPMENT USED

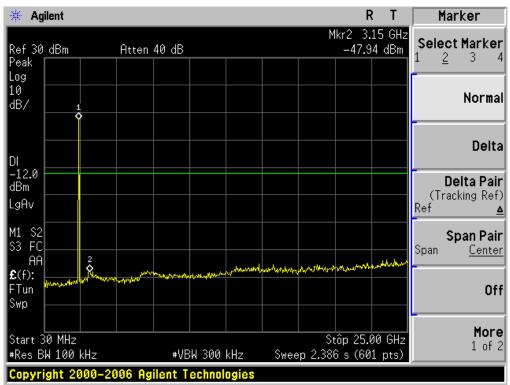
The same as described in section 6.

# 9.4. LIMITS AND MEASUREMENT RESULT

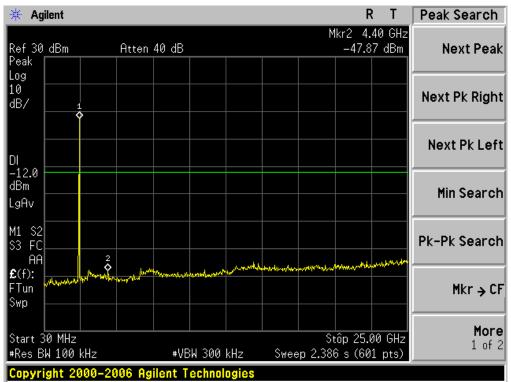
LIMITS AND MEASUREMENT RESULT				
Applicable Limite	Measurement Result			
Applicable Limits	Test Data	Criteria		
In any 100 KHz Bandwidth Outside the	At least -20dBc than the limit			
frequency band in which the spread spectrum	Specified on the BOTTOM	PASS		
intentional radiator is operating, the radio frequency	Channel			
power that is produce by the intentional radiator				
shall be at least 20 dB below that in 100KHz				
bandwidth within the band that contains the highest				
level of the desired power.	At least -20dBc than the limit	DACC		
In addition, radiation emissions which fall in the	Specified on the TOP Channel	PASS		
restricted bands, as defined in §15.205(a), must also				
comply with the radiated emission limits specified				
in§15.209(a))				

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# TEST PLOT OF OUT OF BAND EMISSIONS WITH THE WORST CASE OF 802.11b FOR MODULATION IN LOW CHANNEL

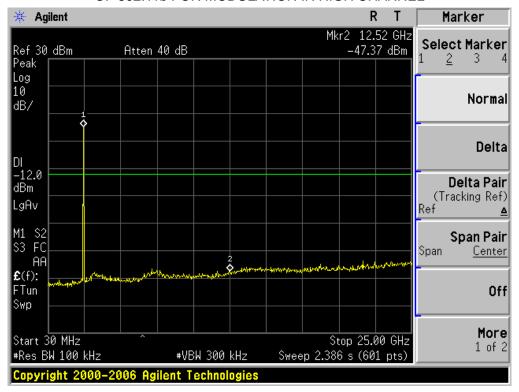


TEST PLOT OF OUT OF BAND EMISSIONS
OF 802.11b FOR MODULATION IN MIDDLE CHANNEL



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# TEST PLOT OF OUT OF BAND EMISSIONS OF 802.11b FOR MODULATION IN HIGH CHANNEL



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# 10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

# **10.1 MEASUREMENT PROCEDURE**

- (1). The EUT was placed on a turn table which is 0.8m above ground plane.
- (2). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (3). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (4). Set SPA Trace 1 Max hold, then View.

# 10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer To Section 8.2.

# **10.3 MEASUREMENT EQUIPMENT USED**

Refer To Section 6.

# **10.4 LIMITS AND MEASUREMENT RESULT**

TEST ITEM	POWER PECTRAL DENSITY
TEST MODE	802.11b with data rate 1

Channel No.	PSD (dBm)	Limit (dBm)	Result
Low Channel	-5.69	8	Pass
Middle Channel	-4.89	8	Pass
High Channel	-5.70	8	Pass

TEST ITEM	POWER PECTRAL DENSITY
TEST MODE	802.11g with data rate 6

Channel No.	PSD (dBm)	Limit (dBm)	Result
Low Channel	-12.61	8	Pass
Middle Channel	-10.01	8	Pass
High Channel	-12.87	8	Pass

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TEST ITEM	POWER PECTRAL DENSITY
TEST MODE	802.11n 20 with data rate 6.5

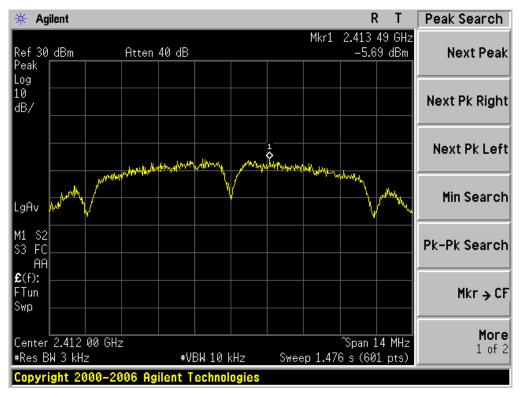
Channel No.	PSD (dBm)	Limit (dBm)	Result
Low Channel	-13.22	8	Pass
Middle Channel	-11.43	8	Pass
High Channel	-13.53	8	Pass

TEST ITEM	POWER PECTRAL DENSITY
TEST MODE	802.11n 40 with data rate 13.5

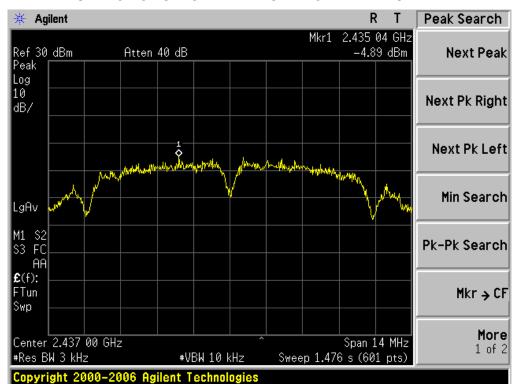
Channel No.	PSD (dBm)	Limit (dBm)	Result
Low Channel	-16.96	8	Pass
Middle Channel	-15.11	8	Pass
High Channel	-16.76	8	Pass

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802.11b TEST RESULT
TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL

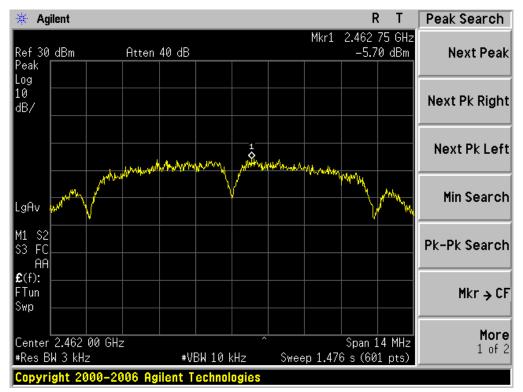


# TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



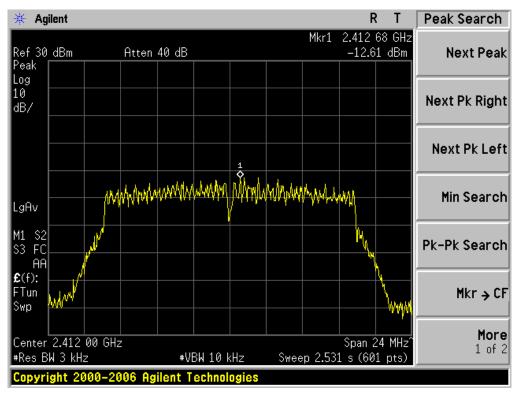
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# TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL

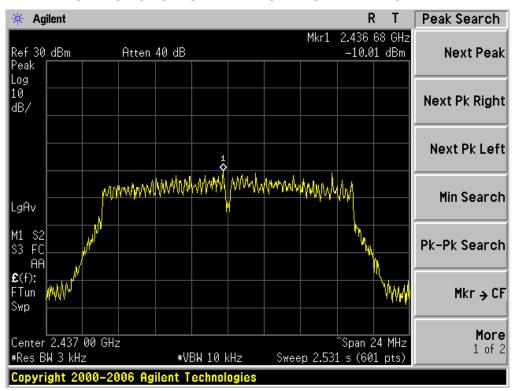


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**802.11g TEST RESULT**TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL

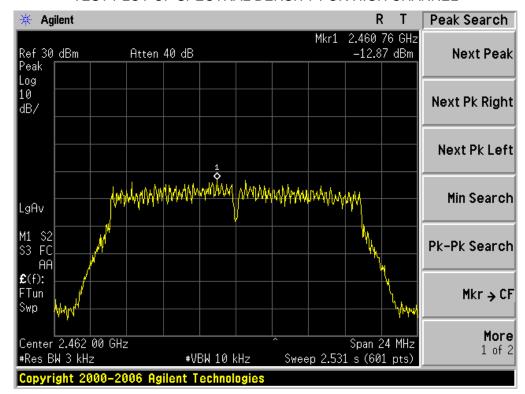


#### TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



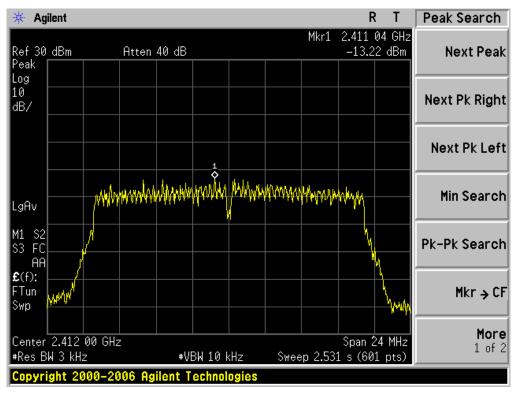
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# TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL

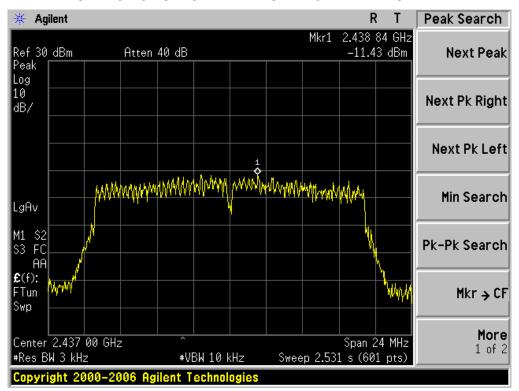


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**802.11n 20 TEST RESULT**TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL

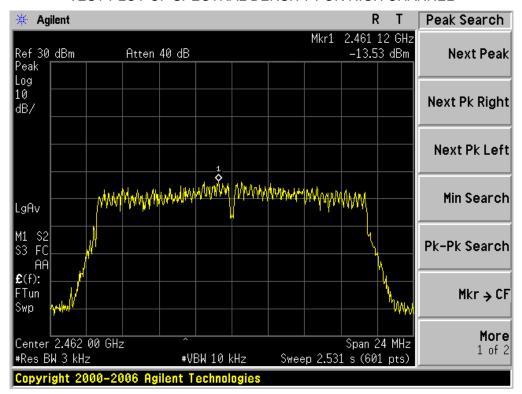


#### TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



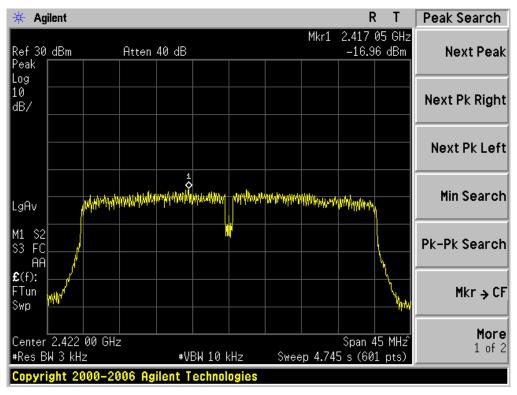
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# TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL

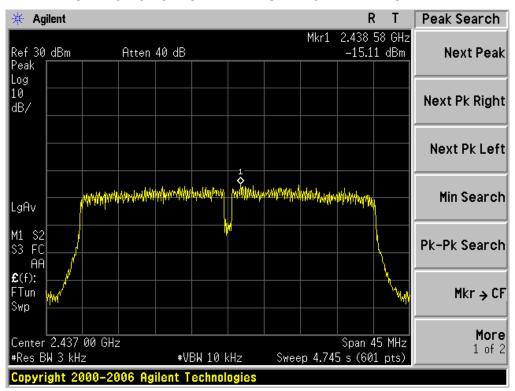


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**802.11n 40 TEST RESULT**TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL

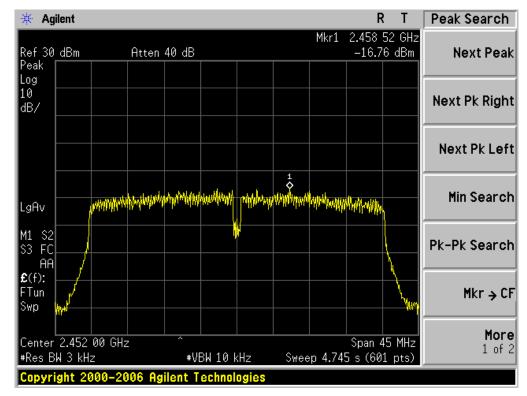


#### TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



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# TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



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#### 11. RADIATED EMISSION

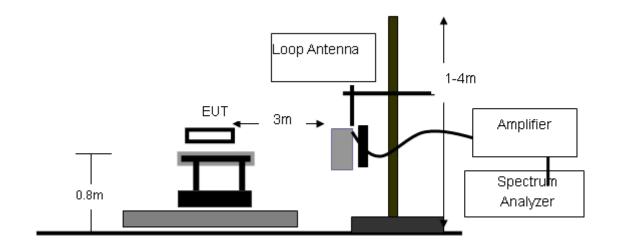
#### 11.1. MEASUREMENT PROCEDURE

- 1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8.If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

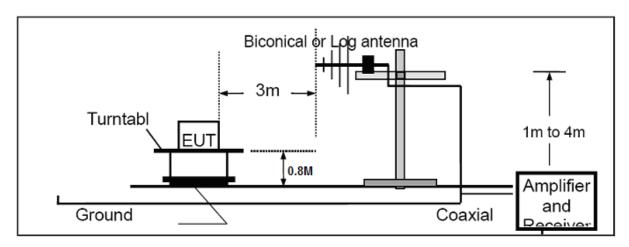
Report No.: AGC00069130604FE04 Page 37 of 66

## 11.2. TEST SETUP

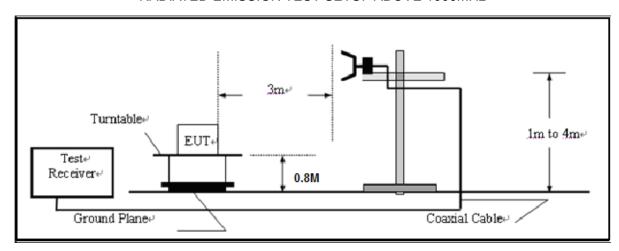
## RADIATED EMISSION TEST SETUP BELOW 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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## 11.3. LIMITS AND MEASUREMENT RESULT

15.209(a) Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (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

Note: All modes were tested For restricted band radiated emission,

the test records reported below are the worst result compared to other modes.

## 11.4. TEST RESULT

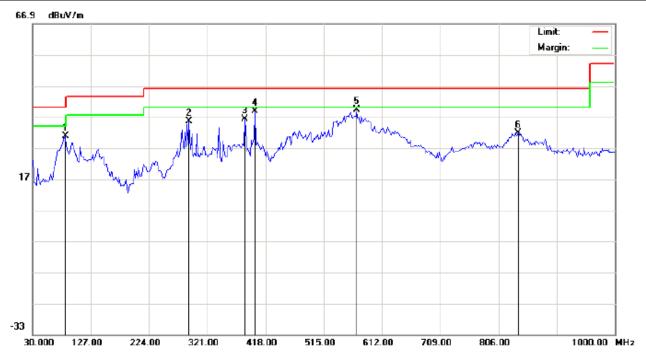
#### **RADIATED EMISSION BELOW 30MHZ**

No emission found between lowest internal used/generated frequencies to 30MHz.

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## **RADIATED EMISSION BELOW 1GHZ**

EUT	Mobile Phone	Model Name	SKYSTER T650
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Horizontal



Site: site #1 Polarization: Horizontal Temperature: 26
Limit: FCC Class B 3M Radiation Power: Humidity: 60 %

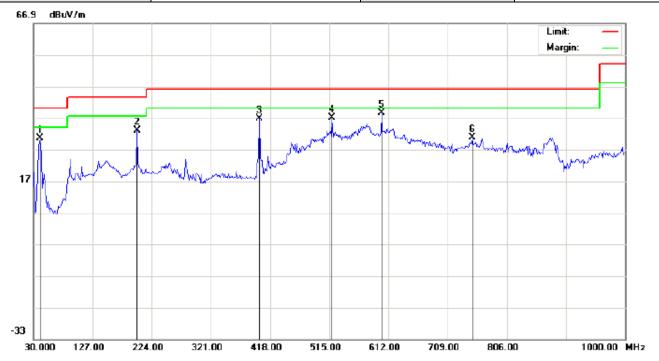
EUT: Mobile Phone Distance: 3m

M/N: SKYSTER T650 Mode: Low Channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1		84.9666	18.58	12.10	30.68	40.00	-9.32	peak			
2		290.2832	17.95	17.51	35.46	46.00	-10.54	peak			
3		384.0500	17.48	18.91	36.39	46.00	-9.61	peak			
4		400.2167	22.61	16.07	38.68	46.00	-7.32	peak			
5	*	569.9664	15.05	24.18	39.23	46.00	-6.77	peak			
6		838.3333	-0.75	32.49	31.74	46.00	-14.26	peak			

EUT	Mobile Phone	Model Name	SKYSTER T650
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Vertical



Site: site #1 Polarization: Vertical Temperature: 26
Limit: FCC Class B 3M Radiation Power: Humidity: 60 %

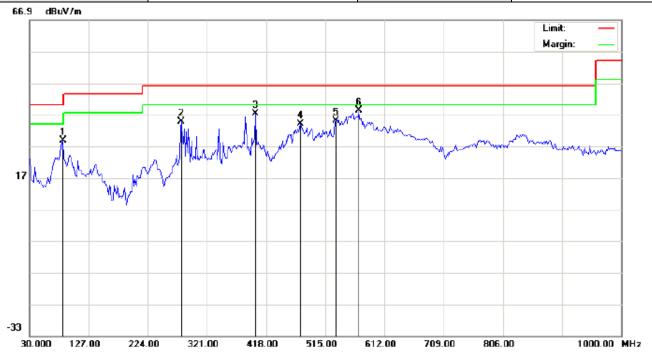
EUT: Mobile Phone Distance: 3m

M/N: SKYSTER T650 Mode: Low Channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu\//m	dBu∀/m	dB		cm	degree	
1		41.3166	24.11	6.45	30.56	40.00	-9.44	peak			
2		199.7500	25.75	7.38	33.13	43.50	-10.37	peak			
3		400.2167	17.63	19.05	36.68	46.00	-9.32	peak			
4		519.8500	14.01	23.09	37.10	46.00	-8.90	peak			
5	*	600.6833	13.65	24.96	38.61	46.00	-7.39	peak			
6		749.4166	1.84	28.92	30.76	46.00	-15.24	peak			

EUT	Mobile Phone	Model Name	SKYSTER T650
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Horizontal



Site: site #1 Polarization: Horizontal Temperature: 26
Limit: FCC Class B 3M Radiation Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

M/N: SKYSTER T650 Mode: Middle Channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu√/m	dBu∀/m	dB		cm	degree	
1		84.9666	16.58	12.10	28.68	40.00	-11.32	peak			
2		278.9667	17.51	17.17	34.68	46.00	-11.32	peak			
3		400.2167	21.11	16.07	37.18	46.00	-8.82	peak			
4		474.5833	12.43	21.66	34.09	46.00	-11.91	peak			
5		532.7833	15.11	19.87	34.98	46.00	-11.02	peak			
6	*	569.9664	14.05	24.18	38.23	46.00	-7.77	peak			_

EUT	Mobile Phone	Model Name	SKYSTER T650
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Vertical



Site: site #1 Polarization: Vertical Temperature: 26 Limit: FCC Class B 3M Radiation Power: Humidity: 60 %

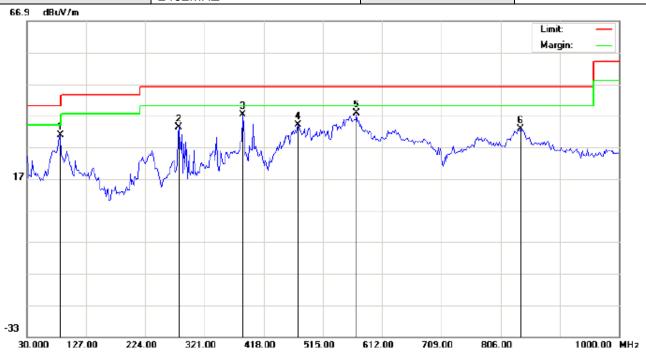
EUT: Mobile Phone Distance: 3m

M/N: SKYSTER T650 Mode: Middle Channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1		41.3166	24.11	6.45	30.56	40.00	-9.44	peak			
2		199.7500	28.75	7.38	36.13	43.50	-7.37	peak			
3	*	400.2167	20.13	19.05	39.18	46.00	-6.82	peak			
4		519.8500	15.51	23.09	38.60	46.00	-7.40	peak			
5		600.6833	14.15	24.96	39.11	46.00	-6.89	peak			
6		749.4166	0.84	28.92	29.76	46.00	-16.24	peak			

EUT	Mobile Phone	Model Name	SKYSTER T650
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Horizontal



Site: site #1 Polarization: Horizontal Temperature: 26
Limit: FCC Class B 3M Radiation Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

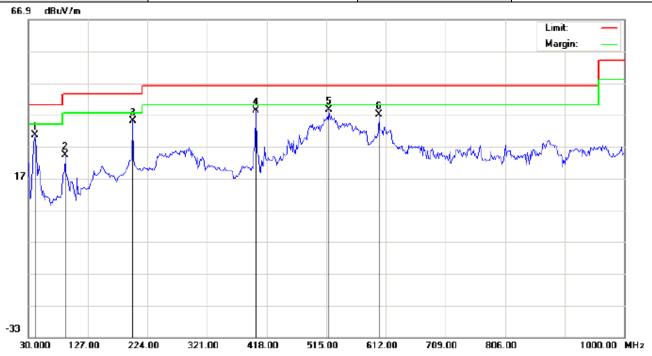
M/N: SKYSTER T650 Mode: High Channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1		84.9666	18.58	12.10	30.68	40.00	-9.32	peak			
2		278.9667	16.01	17.17	33.18	46.00	-12.82	peak			
3		384.0500	18.48	18.91	37.39	46.00	-8.61	peak			
4		474.5833	12.43	21.66	34.09	46.00	-11.91	peak			
5	*	569.9664	13.55	24.18	37.73	46.00	-8.27	peak			
6		838.3333	0.25	32.49	32.74	46.00	-13.26	peak			

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EUT	Mobile Phone	Model Name	SKYSTER T650
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Vertical



Site: site #1 Polarization: Vertical Temperature: 26
Limit: FCC Class B 3M Radiation Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

M/N: SKYSTER T650 Mode: High Channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1		41.3166	24.11	6.45	30.56	40.00	-9.44	peak			
2		89.8164	19.24	5.02	24.26	43.50	-19.24	peak			
3		199.7500	27.75	7.38	35.13	43.50	-8.37	peak			
4		400.2167	19.13	19.05	38.18	46.00	-7.82	peak			
5	*	519.8500	15.51	23.09	38.60	46.00	-7.40	peak			
6		600.6833	12.15	24.96	37.11	46.00	-8.89	peak			

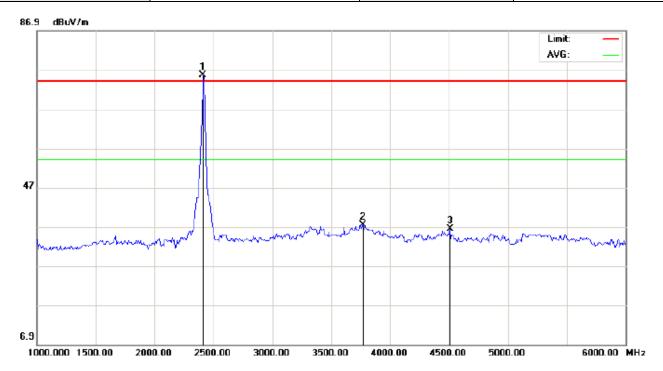
## **RESULT: PASS**

**Note:** Measurement= Reading + Factor, Over=Measure-Limit.

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## **RADIATED EMISSION ABOVE 1GHZ**

EUT	Mobile Phone	Model Name	SKYSTER T650
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Horizontal



Site: site #1 Polarization: Horizontal Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

M/N: SKYSTER T650 Mode: Low Channel TX

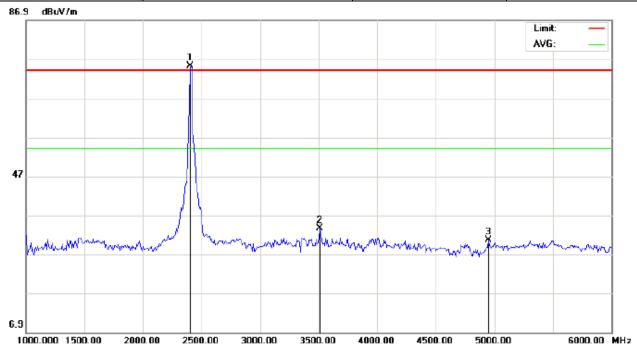
Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu√/m	dB		cm	degree	
1	*	2412.063	75.66	0.00	75.66	74.00	1.66	peak			
2		3766.667	37.45	0.00	37.45	74.00	-36.55	peak			
3		4508.333	36.47	0.00	36.47	74.00	-37.53	peak			

<sup>\*\*</sup>The marker 1 is the basic frequency.

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EUT	Mobile Phone	Model Name	SKYSTER T650
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Vertical



Site: site #1 Polarization: Vertical Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

M/N: SKYSTER T650 Mode: Low Channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1	*	2402.052	75.13	0.00	75.13	74.00	1.13	peak			
2		3508.333	33.63	0.00	33.63	74.00	-40.37	peak			
3		4950.000	30.52	0.00	30.52	74.00	-43.48	peak			

<sup>\*\*</sup>The marker 1 is the basic frequency.

#### **RESULT: PASS**

**Note:** The other modes radiation emissions have more than 20dB margin.

Measurement= Reading + Factor, Over=Measure-Limit.

All modes radiation emission from 6GHz to 25GHz at least have 20dB margin.

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## 12. BAND EDGE EMISSION

## 12.1. MEASUREMENT PROCEDURE

- 1. Set the EUT Work on the top, the bottom operation frequency individually.
- 2. Set SPA Start or Stop Frequency = Operation Frequency, RBW>=1%span, VBW>=RBW
- 3. The band edges was measured and recorded.

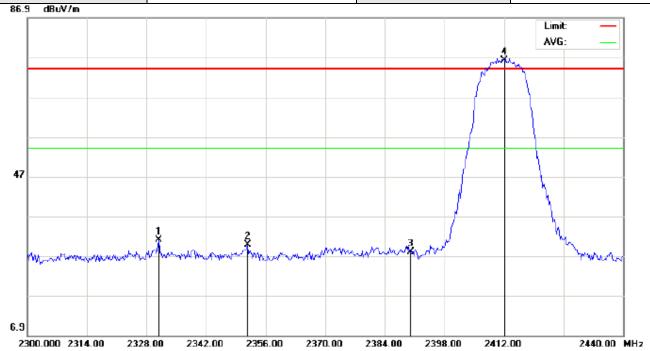
## **12.2. TEST SET-UP**

Radiated same as 11.2

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## 12.3. TEST RESULT

EUT	Mobile Phone	Model Name	SKYSTER T650
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Horizontal



Site: site #1 Polarization: Horizontal Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

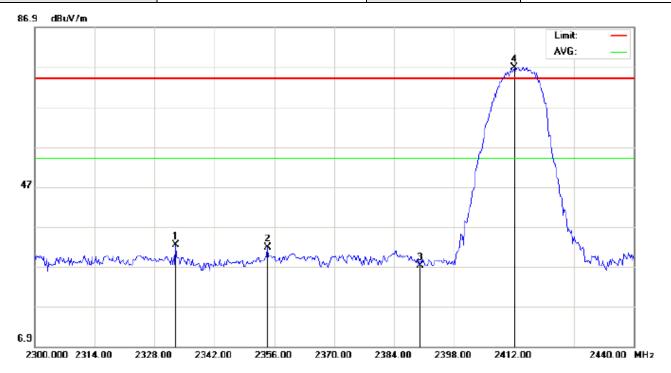
M/N: SKYSTER T650

Mode: 802.11b Low channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1		2330.800	30.99	0.00	30.99	74.00	-43.01	peak			
2		2351.800	29.71	0.00	29.71	74.00	-44.29	peak			
3		2390.000	28.10	0.00	28.10	74.00	-45.90	peak			
4	*	2412.056	76.23	0.00	76.23	74.00	2.23	peak			

EUT	Mobile Phone Model Name		SKYSTER T650	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Vertical	



Site: site #1 Polarization: Vertical Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

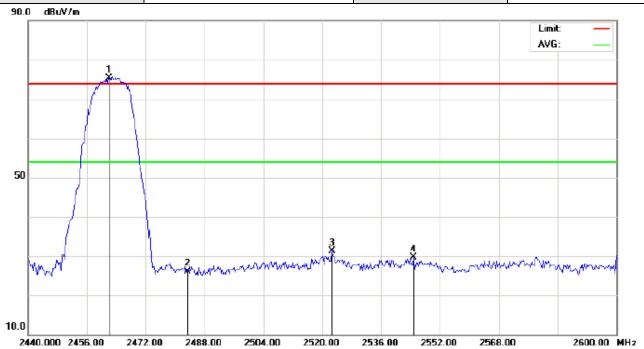
M/N: SKYSTER T650

Mode: 802.11b Low channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBuV/m	dBu∀/m	dB		cm	degree	
1		2332.900	32.40	0.00	32.40	74.00	-41.60	peak			
2		2354.367	31.82	0.00	31.82	74.00	-42.18	peak			
3		2390.000	27.25	0.00	27.25	74.00	-46.75	peak			
4	*	2412.096	76.86	0.00	76.86	74.00	2.86	peak			

EUT	Mobile Phone	Model Name	SKYSTER T650
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHZ	Antenna	Horizontal



Site: site #1 Polarization: Horizontal Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

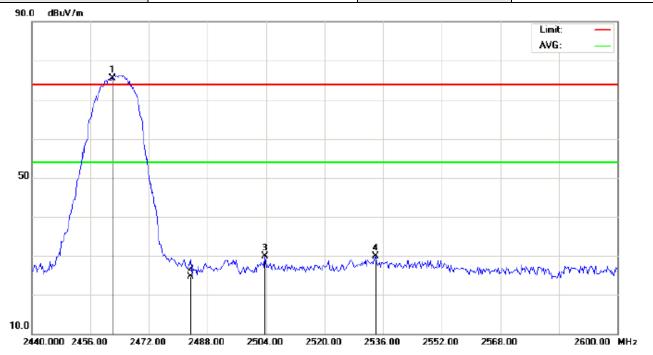
M/N: SKYSTER T650

Mode: 802.11b High channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1	*	2462.074	75.26	0.00	75.26	74.00	1.26	peak			
2		2483.500	26.08	0.00	26.08	74.00	-47.92	peak			
3		2522.667	31.37	0.00	31.37	74.00	-42.63	peak			
4		2544.800	29.79	0.00	29.79	74.00	-44.21	peak			-

EUT	Mobile Phone Model Name		SKYSTER T650	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11b with data rate 1 2462MHZ	Antenna	Vertical	



Site: site #1 Polarization: Vertical Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

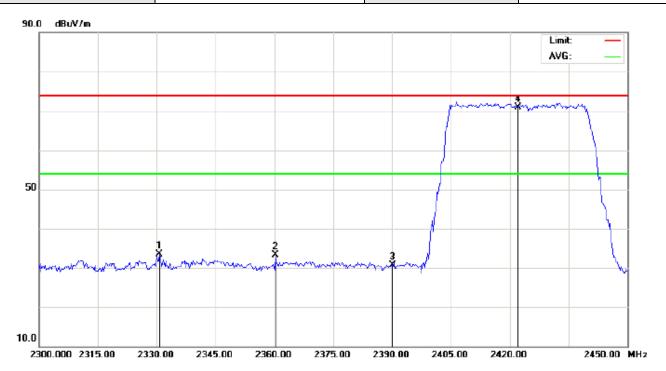
M/N: SKYSTER T650

Mode: 802.11b High channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1	*	2462.088	75.49	0.00	75.49	74.00	1.49	peak			
2		2483.500	24.63	0.00	24.63	74.00	-49.37	peak			
3		2503.733	29.94	0.00	29.94	74.00	-44.06	peak			
4		2533.867	29.81	0.00	29.81	74.00	-44.19	peak			

EUT	Mobile Phone	Model Name	SKYSTER T650	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11n 40 with data rate 13.5 2422MHZ	Antenna	Horizontal	



Site: site #1 Polarization: Horizontal Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

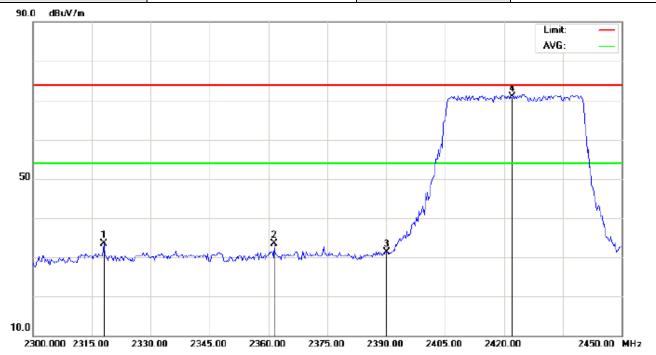
M/N: SKYSTER T650

Mode: 802.11n40 Low channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1		2330.750	33.53	0.00	33.53	74.00	-40.47	peak			
2		2360.250	33.23	0.00	33.23	74.00	-40.77	peak			
3		2390.000	30.74	0.00	30.74	74.00	-43.26	peak			
4	*	2422.096	70.93	0.00	70.93	74.00	-3.07	peak			

EUT	Mobile Phone	Model Name	SKYSTER T650	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11n 40 with data rate 13.5 2422MHZ	Antenna	Vertical	



Site: site #1 Polarization: Vertical Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

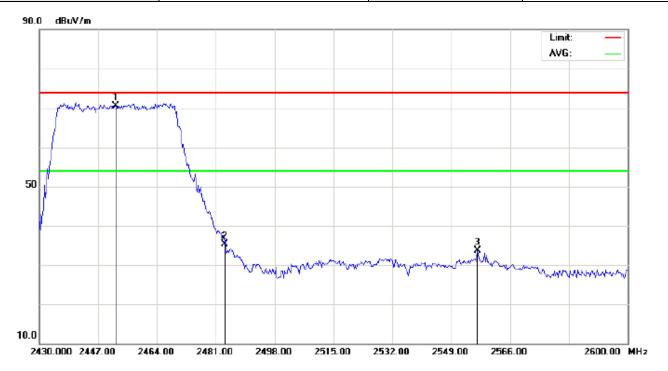
M/N: SKYSTER T650

Mode: 802.11n40 Low channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1		2318.000	33.47	0.00	33.47	74.00	-40.53	peak			
2		2361.500	33.41	0.00	33.41	74.00	-40.59	peak			
3		2390.000	31.30	0.00	31.30	74.00	-42.70	peak			
4	*	2422.071	70.87	0.00	70.87	74.00	-3.13	peak			

EUT	Mobile Phone	Model Name	SKYSTER T650
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40 with data rate 13.5 2452MHZ	Antenna	Horizontal



Site: site #1 Polarization: Horizontal Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

M/N: SKYSTER T650

Mode: 802.11n40 High channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1	*	2452.069	70.50	0.00	70.50	74.00	-3.50	peak			
2		2483.500	35.23	0.00	35.23	74.00	-38.77	peak			
3		2556.650	33.70	0.00	33.70	74.00	-40.30	peak			

EUT	Mobile Phone	Model Name	SKYSTER T650	
Temperature	25°C	Relative Humidity	55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage	
Test Mode	802.11n 40 with data rate 13.5 2452MHZ	Antenna	Vertical	



Site: site #1 Polarization: Vertical Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %

EUT: Mobile Phone Distance: 3m

M/N: SKYSTER T650

Mode: 802.11n40 High channel TX

Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1	*	2452.087	70.70	0.00	70.70	74.00	-3.30	peak			
2		2483.500	32.92	0.00	32.92	74.00	-41.08	peak			
3		2531.150	33.99	0.00	33.99	74.00	-40.01	peak			
4		2597.167	31.80	0.00	31.80	74.00	-42.20	peak			

## **RESULT: PASS**

**Note**: the other modes radiation emission have enough 20dB margin.

Measurement= Reading + Factor, Over=Measure-Limit.

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## 13. FCC LINE CONDUCTED EMISSION TEST

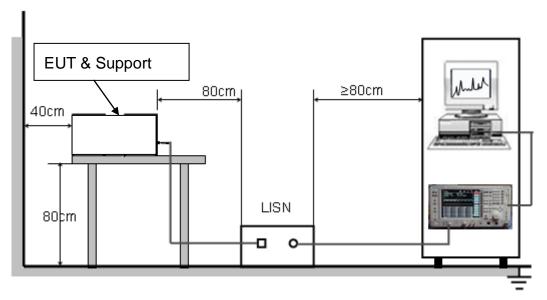
## 13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Francis	Maximum RF Line Voltage								
Frequency	Q.P.( dBuV)	Average( dBuV)							
150kHz~500kHz	66-56	56-46							
500kHz~5MHz	56	46							
5MHz~30MHz	60	50							

## Note:

- 1. The lower limit shall apply at the transition frequency.
- 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

## 13.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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#### 13.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.

- 2. Support equipment, if needed, was placed as per ANSI C63.4.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- 4. All support equipments received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC5V charging voltage by adapter which received 120V/60Hzpower by a LISN..
- 6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

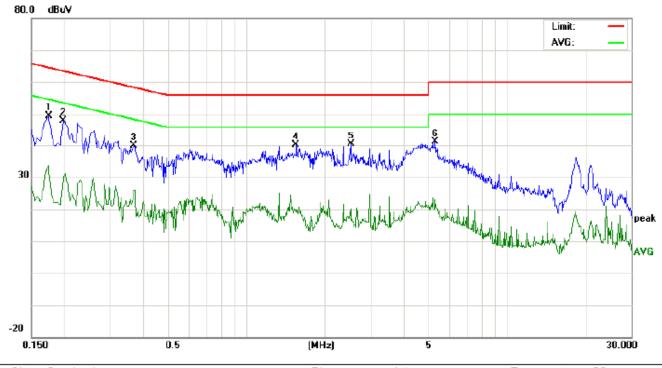
## 13.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 3. The test data of the worst case condition(s) was reported on the Summary Data page.

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## 13.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

## LINE CONDUCTED EMISSION TEST LINE 1-L



Site: Conduction Phase: L1 Temperature: 26
Limit: FCC Class B Conduction(QP) Power: Humidity: 60 %

EUT: Mobile Phone M/N: SKYSTER T650

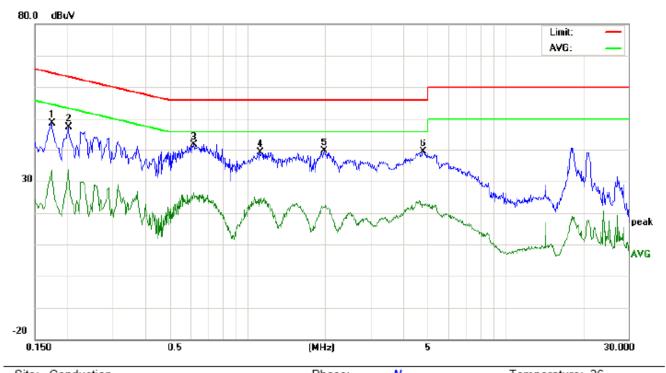
Mode: Normal Operating(WiFi)

Note:

No.	Freq.	Reading_Level (dBuV)		Correct Factor	Measurement (dBuV)					Margin (dB)		Comment		
	(MHz)	Peak	QP	AVG	dB	Peak	QP	AVG	QP	AVG	QP	AVG	P/F	
1	0.1739	39.12		23.52	10.19	49.31		33.71	64.77	54.77	-15.46	-21.06	Р	
2	0.1980	37.74		20.03	10.21	47.95		30.24	63.69	53.69	-15.74	-23.45	Р	
3	0.3699	34.77		16.90	10.32	45.09		27.22	58.50	48.50	-13.41	-21.28	Р	
4	1.5540	29.85		9.45	10.36	40.21		19.81	56.00	46.00	-15.79	-26.19	Р	
5	2.5219	29.86		9.76	10.44	40.30		20.20	56.00	46.00	-15.70	-25.80	Р	
6	5.3258	30.86		12.91	10.25	41.11		23.16	60.00	50.00	-18.89	-26.84	Р	

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## Line Conducted Emission Test Line 2-N



Site: Conduction Phase: N Temperature: 26
Limit: FCC Class B Conduction(QP) Power: Humidity: 60 %

EUT: Mobile Phone M/N: SKYSTER T650

Mode: Normal Operating(WiFi)

Note:

No.	Freq.	Reading_Level (dBuV)				Me	Measurement (dBuV)			Limit (dBuV)		rgin IB)	P/F	Comment
	(MHz)	Peak	QP	AVG	dB	Peak	QP	AVG	QP	AVG	QP	AVG		
1	0.1739	38.41		23.31	10.19	48.60		33.50	64.77	54.77	-16.17	-21.27	Р	
2	0.2020	37.03		23.41	10.22	47.25		33.63	63.52	53.52	-16.27	-19.89	Р	
3	0.6179	31.42		16.03	10.32	41.74		26.35	56.00	46.00	-14.26	-19.65	Р	
4	1.1180	28.77		13.57	10.37	39.14		23.94	56.00	46.00	-16.86	-22.06	Р	
5	1.9859	29.50		11.76	10.22	39.72		21.98	56.00	46.00	-16.28	-24.02	Р	
6	4.8098	29.27		12.34	10.23	39.50		22.57	56.00	46.00	-16.50	-23.43	Р	

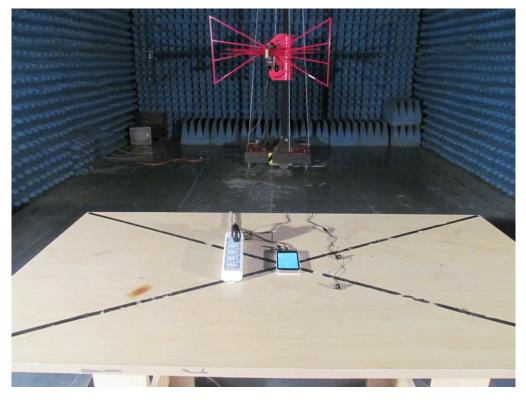
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# **APPENDIX A: PHOTOGRAPHS OF TEST SETUP**

FCC LINE CONDUCTED EMISSION TEST SETUP



FCC RADIATED EMISSION TEST SETUP



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## **APPENDIX B: PHOTOGRAPHS OF EUT**

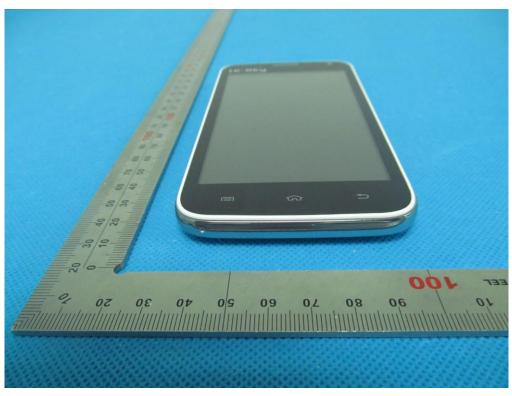
TOTAL VIEW OF EUT



TOP VIEW OF EUT



**BOTTOM VIEW OF EUT** 



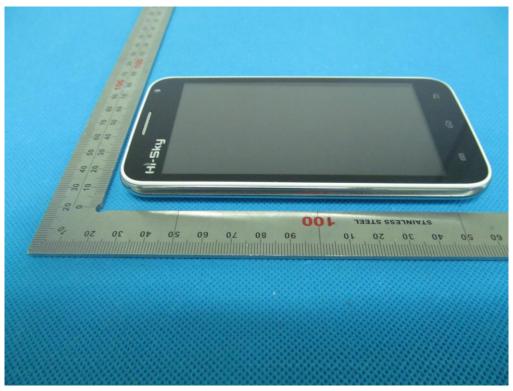
FRONT VIEW OF EUT



**BACK VIEW OF EUT** 



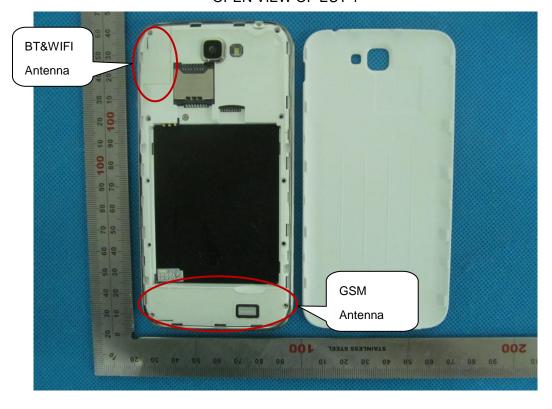
LEFT VIEW OF EUT



RIGHT VIEW OF EUT



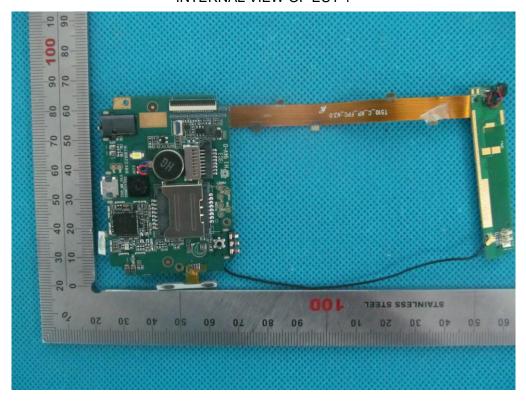
**OPEN VIEW OF EUT-1** 



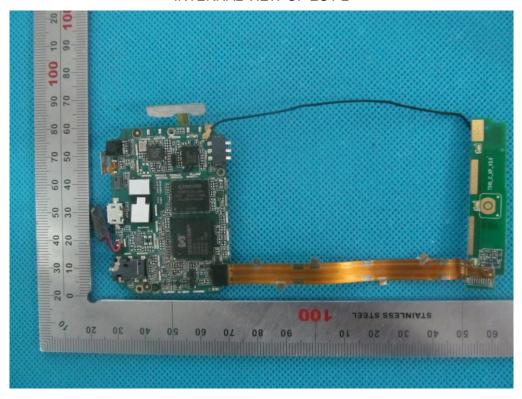
**OPEN VIEW OF EUT-2** 



**INTERNAL VIEW OF EUT-1** 



# **INTERNAL VIEW OF EUT-2**



----END OF REPORT----