

Nexus Telecom Inc.

GSM Mobile Phone

Main Model: GO170

Serial Model: N/A

February 04, 2013

Report No.: 13050003-FCC-R1

(This report supersedes NONE)



Modifications made to the product : None

This Test Report is Issued Under the Authority of:

Back Huang Compliance Engineer	Alex Liu Technical Manager	

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Test result presented in this test report is applicable to the representative sample only.



Laboratory Introduction

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Canada	IC, A2LA, NIST	EMC, RF/Wireless , Telecom
Taiwan	BSMI , NCC , NIST	EMC, RF, Telecom , Safety
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Australia	NATA, NIST	EMC, RF, Telecom , Safety
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Japan	VCCI, JATE, TELEC, RFT	EMI, RF/Wireless, Telecom
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Accreditations for Product Certifications

Country/Region	Accreditation Body	Scope
USA	FCC TCB, NIST	EMC , RF , Telecom
Canada	IC FCB , NIST	EMC , RF , Telecom
Singapore	iDA, NIST	EMC , RF , Telecom
EU	NB	EMC & R&TTE Directive
Japan	MIC, (RCB 208)	RF , Telecom
Hong Kong	OFTA (US002)	RF , Telecom



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Title: RF Test Report for GSM Mobile Phone
Main Model: GO170
Serial Model: N/A
To: FCC Part 22(H) & FCC Part 24(E): 2011

Report No: 13050003-FCC-R1
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1. EXECUTIVE SUMMARY & EUT INFORMATION

The purpose of this test programmed was to demonstrate compliance of the Nexus Telecom Inc. GSM Mobile Phone and model: GO170 against the current Stipulated Standards. The GSM Mobile Phone has demonstrated compliance with the FCC Part 22(H) & FCC Part 24(E): 2011.

EUT Information

EUT

Description : **GSM Mobile Phone**

Main Model : **GO170**

Serial Model : **N/A**

Antenna Gain : **GSM850: 0 dBi
PCS1900: 0.5 dBi
Bluetooth: 0.5 dBi**

Adapter
Model: GO170
Input: 100 ~ 264Vac, 200 mA
Output: 5Vdc, 500mA

Input Power : **Battery**
Model: GO170
Capacity: 500mAh
Nominal Voltage: 3.7V
Charger up Voltage: 4.2V

Maximum Conducted Peak Power to Antenna : **GSM850: 31.87 dBm
PCS1900: 28.97 dBm**

Maximum Radiated ERP/EIRP : **GSM850: 29.31 dBm / ERP
PCS1900: 27.92 dBm / EIRP**

Classification Per Stipulated Test Standard : **FCC Part 22(H) & FCC Part 24(E): 2011**

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2. TECHNICAL DETAILS

Purpose	Compliance testing of GSM Mobile Phone with stipulated standard
Applicant / Client	Nexus Telecom Inc. PO Box 873, Venterpool Plaza, Road Town, Tortola Virgin Islands(British)
Manufacturer	Jiaxing Wingxun Electronic Technology Co., Ltd. 1# workshop,building 2,Ya Zhong Road No.777,Da Qiao town ,Nan Hu district,Jiaxing city
Laboratory performing the tests	SIEMIC Nanjing (China) Laboratories NO.2-1,Longcang Dadao, Yuhua Economic Development Zone, Nanjing, China Tel:+86(25)86730128/86730129 Fax:+86(25)86730127 Email:info@siemic.com
Test report reference number	13050003-FCC-R1
Date EUT received	December 24, 2012
Standard applied	FCC Part 22(H) & FCC Part 24(E): 2011
Dates of test	February 02, 2013
No of Units	#1
Equipment Category	PCE
Trade Name	GoMobile
RF Operating Frequency (ies)	GSM850 TX : 824.2 ~ 848.8 MHz; RX :869.2 ~ 893.8 MHz PCS1900 TX : 1850.2 ~ 1909.8 MHz; RX :1930.2 ~ 1989.8 MHz Bluetooth: 2402-2480MHz
Number of Channels	299CH (PCS1900) and 124CH (GSM850) Bluetooth: 79 CH
Modulation	GSM: GMSK Bluetooth: GFSK
GPRS Multi-slot class	N/A
FCC ID	YSEGO170

3. MODIFICATION

NONE

4. TEST SUMMARY

The product was tested in accordance with the following specifications.
 All testing has been performed according to below product classification:

PCE

Test Results Summary

Test Standard	Description	Product Class	Pass / Fail
§ 1.1307, § 2.1093	RF Exposure (SAR)	See Above	Pass
§ 2.1046; § 22.913 (a); § 24.232 (c)	RF Output Power	See Above	Pass
§ 2.1047	Modulation Characteristics	See Above	N/A
§ 2.1049; § 22.905 § 22.917; § 24.238	99% & -26 dB Occupied Bandwidth	See Above	Pass
§ 2.1051, § 22.917 (a); § 24.238 (a)	Spurious Emissions at Antenna Terminal	See Above	Pass
§ 2.1053 § 22.917 (a); § 24.238 (a)	Field Strength of Spurious Radiation	See Above	Pass
§ 22.917 (a); § 24.238 (a)	Out of band emission, Band Edge	See Above	Pass
§ 2.1055 § 22.355; § 24.235	Frequency stability vs. temperature Frequency stability vs. voltage	See Above	Pass

Note: Testing was performed by configuring EUT to maximum output power status, the declared output power class for different.

Revision Number	Report Number	Description of Revision	Date of Revision
0	12050087-FCC-R1	Original Report	January 08, 2013
1	13050003-FCC-R1	Amended Report	February 04, 2013

Note: This is the amended report application (13050003-FCC-R1) of the device, the original submission (12050087-FCC-R1) was granted on January 08, 2013. The difference between the original device and the current one was the SIM of the EUT. In the new model, comparing with Dual SIM model, we removed one SIM slot and relevant surrounding components. Now it's a single SIM model. It affects the Spurious Radiated Emissions. All above were explained in the attached Declaration Letter.

5. MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

5.1 §1.1307, §2.1093- RF Exposure (SAR)

Test Result: Pass

The EUT is a portable device, thus requires SAR evaluation;
please refer to SIEMIC SAR Report: 13050003-FCC-H

5.2 §2.1046 ;§22.913 (a); §24.232 (c)- RF Output Power

1. Conducted Measurement
EUT was set for low, mid, high channel with modulated mode and highest RF output power.
The spectrum analyzer was connected to the antenna terminal.
2. Conducted Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is ± 1.5 dB.
3. Environmental Conditions

Temperature	25°C
Relative Humidity	50%
Atmospheric Pressure	1016mbar
4. Test date : ----
Tested By : N/A

Procedures:

For Conducted Power:

1. The transmitter output port was connected to base station.
2. Set EUT at maximum power through base station.
3. Select lowest, middle, and highest channels for each band and different test mode.

For ERP/EIRP:

1. The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.
2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
4. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = $10 \lg (\text{TXpwr in Watts}/0.001)$ – the absolute level

Spurious attenuation limit in dB = $43 + 10 \log_{10} (\text{power out in Watts})$

Test Result: Pass

Note: the following test data please refer to report 12050087-FCC-R1.

Remark: Conducted Burst Average power for reporting purposes only

5.3 §2.1047 - Modulation Characteristic

According to FCC § 2.1047(d), Part 22H & 24E there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

5.4 §2.1049, §22.917, §22.905 & §24.238 - Occupied Bandwidth

1. Conducted Measurement

EUT was set for low, mid, high channel with modulated mode and highest RF output power.
The spectrum analyser was connected to the antenna terminal.

2. Environmental Conditions

Temperature	25°C
Relative Humidity	50%
Atmospheric Pressure	1020mbar

3. Conducted Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is ± 1.5 dB.

4. Test date : ---

Tested By : N/A

Procedures:

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.

2. The 99% and 26 dB occupied bandwidth (BW) of the middle channel for the highest RF powers.

Test Results: Pass

Note: the following test data please refer to report 12050087-FCC-R1.

5.5 §2.1051, §22.917(a) & §24.238(a) - Spurious Emissions at Antenna Terminals

1. Conducted Measurement
EUT was set for low, mid, high channel with modulated mode and highest RF output power.
The spectrum analyzer was connected to the antenna terminal.
2. Conducted Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is ± 1.5 dB.
3. Environmental Conditions

Temperature	25°C
Relative Humidity	50%
Atmospheric Pressure	1020mbar
4. Test date : ----
Tested By : N/A

Standard Requirement:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

Procedures:

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100.

Test Result: Pass

Note: the following test data please refer to report 12050087-FCC-R1.

Refer to the attached plots.

5.6 §2.1053, §22.917 & §24.238 - Spurious Radiated Emissions

1. All possible modes of operation were investigated. Only the 6 worst case emissions measured, using the correct CISPR detectors, are reported. All other emissions were relatively insignificant.
2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
3. Radiated Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 1GHz – 40GHz is ± 6.0 dB (for EUTs < 0.5 m X 0.5 m X 0.5 m).
4. Environmental Conditions Temperature 24°C
 Relative Humidity 50%
 Atmospheric Pressure 1018mbar
5. Test date : February 02, 2013
Tested By : Back Huang

Standard Requirement:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

Procedures:

Equipment was setup in a semi-anechoic chamber. For measurements above 1 GHz an average measurement was taken with a 10Hz video bandwidth. The EUT was tested at low, mid and high with the highest output power. An emission was scan up to 10th harmonic of the operating frequency.

Sample Calculation:

EUT Field Strength = Raw Amplitude (dB μ V/m) – Amplifier Gain (dB) + Antenna Factor (dB) + Cable Loss (dB) + Filter Attenuation (dB, if used)

Test Result: Pass

Cellular Band (Part 22H)

Low channel

Frequency (MHz)	Substituted level (dBm)	Direction (degree)	Height (cm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
448.6	-38.99	256	223	V	6.2	2	0	-34.79	-13	-21.79
975.8	-39.52	331	151	H	6.5	2.67	0	-35.69	-13	-22.69
1652.3	-33.25	25	262	V	8.3	3.66	0	-28.61	-13	-15.61
1652.3	-32.01	92	158	H	8.3	3.66	0	-27.37	-13	-14.37

Middle channel

Frequency (MHz)	Substituted level (dBm)	Direction (degree)	Height (cm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
555.3	-39.55	152	115	V	6.3	2	0	-35.25	-13	-22.25
650.6	-38.18	263	156	H	6.3	2.16	0	-34.04	-13	-21.04
1685.2	-30.52	352	263	V	8.3	3.67	0	-25.89	-13	-12.89
1685.2	-29.33	241	225	H	8.3	3.67	0	-24.7	-13	-11.7

High channel

Frequency (MHz)	Substituted level (dBm)	Direction (degree)	Height (cm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
443.3	-39.63	158	221	H	6.2	1.83	0	-35.26	-13	-22.26
895.8	-35.66	222	158	V	6.5	2.67	0	-31.83	-13	-18.83
1785.3	-34.9	158	198	V	8.6	3.83	0	-30.13	-13	-17.13
1693.1	-33.51	145	152	H	8.5	3.71	0	-28.72	-13	-15.72

PCS Band (Part 24E)

Low channel

Frequency (MHz)	Substituted level (dBm)	Direction (degree)	Height (cm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
543.2	-40.22	89	141	V	6.3	2.1	0	-36.02	-13	-23.02
551.5	-39.51	252	299	H	6.3	2	0	-35.21	-13	-22.21
3700.2	-33.55	144	251	V	9.9	6	0	-29.65	-13	-16.65
3700.4	-32.51	252	115	H	9.9	6	0	-28.61	-13	-15.61

Middle channel

Frequency (MHz)	Substituted level (dBm)	Direction (degree)	Height (cm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
269.2	-39.56	89	125	V	5.1	1.33	0	-35.79	-13	-22.79
448.3	-40.03	252	223	H	6.2	1.83	0	-35.66	-13	-22.66
2665.2	-31.52	261	258	V	9.4	5	0	-27.12	-13	-14.12
2515.3	-30.22	255	159	H	9.4	5	0	-25.82	-13	-12.82

High channel

Frequency (MHz)	Substituted level (dBm)	Direction (degree)	Height (cm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
522.7	-39.48	255	178	V	6.5	2	0	-34.98	-13	-21.98
703.3	-40.25	289	159	H	6.6	2.33	0	-35.98	-13	-22.98
3829.1	-30.55	154	223	V	10	6.5	0	-27.05	-13	-14.05
3509.1	-30.21	189	235	H	9.9	5.84	0	-26.15	-13	-13.15

5.7 §22.917(a) & §24.238(a) - Band Edge

1. Conducted Measurement
EUT was set for low, mid, high channel with modulated mode and highest RF output power.
The spectrum analyzer was connected to the antenna terminal.
2. Conducted Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is ± 1.5 dB.
3. Environmental Conditions

Temperature	25°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
4. Test date : ----
Tested By : N/A

Standard Requirement:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

Procedures:

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100.

Test Result: Pass

Note: the following test data please refer to report 12050087-FCC-R1.

5.8 §2.1055, §22.355 & §24.235 - Frequency Stability

1.	Environmental Conditions	Temperature Relative Humidity Atmospheric Pressure	25°C 50% 1019mbar
2.	Test date : --- Tested By : N/A		

Standard Requirement:

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency Range (MHz)	Base, fixed (ppm)	Mobile ≤ 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929.	5.0	N/A	N/A
929 to 960.	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized frequency block.

Procedures:

A communication link was established between EUT and base station. The frequency error was monitored and measured by base station under variation of ambient temperature and variation of primary supply voltage.

Limit: The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

Test Results: Pass

Note: the following test data please refer to report 12050087-FCC-R1.

Annex A. TEST INSTRUMENT & METHOD

Annex A.i. TEST INSTRUMENTATION & GENERAL PROCEDURES

Instrument	Model	Serial #	Calibration Date	Calibration Due Date
RF conducted test				
Agilent ESA-E SERIES SPECTRUM ANALYZER	E4407B	CFG038	10/25/2012	10/24/2013
Power Splitter	1#	1#	02/02/2012	02/01/2013
Universal Radio Communication Tester	CMU200	121393	02/22/2012	02/21/2013
Temperature/Humidity Chamber	1007H	N/A	01/08/2012	01/07/2013
DC Power Supply	PS-305D	010943059	02/22/2012	02/21/2013
Radiated Emissions				
Hp Spectrum Analyzer	8563E	3821A09023	01/10/2013	01/09/2014
R&S EMI Receiver	ESPI3	101216	10/27/2012	10/26/2013
Antenna (30MHz~6GHz)	JB6	A121411	12/28/2011	12/27/2012
ETS-Lindgren Antenna(1 ~18GHz)	3115	N/A	10/29/2012	10/28/2013
A- INFOMW Antenna (1 ~18GHz)	JXTXLB-10180	J2031081120-092	06/25/2012	06/24/2013
Horn Antenna (18~40GHz)	AH-840	101013	04/22/2012	04/21/2013
Microwave Pre-Amp (18~40GHz)	PA-840	181250	05/30/2012	05/29/2013
Hp Agilent Pre-Amplifier	8447F	1937A01160	11/03/2012	11/02/2013
MITEQ Pre-Amplifier (0.1 ~ 18GHz)	AMF-7D-00101800-30-10P	1451710	11/03/2012	11/02/2013
Universal Radio Communication Tester	CMU200	104031	10/27/2012	10/26/2013
Chamber	3m	N/A	04/13/2012	04/12/2013

Annex A. ii. RADIATED EMISSIONS TEST DESCRIPTION

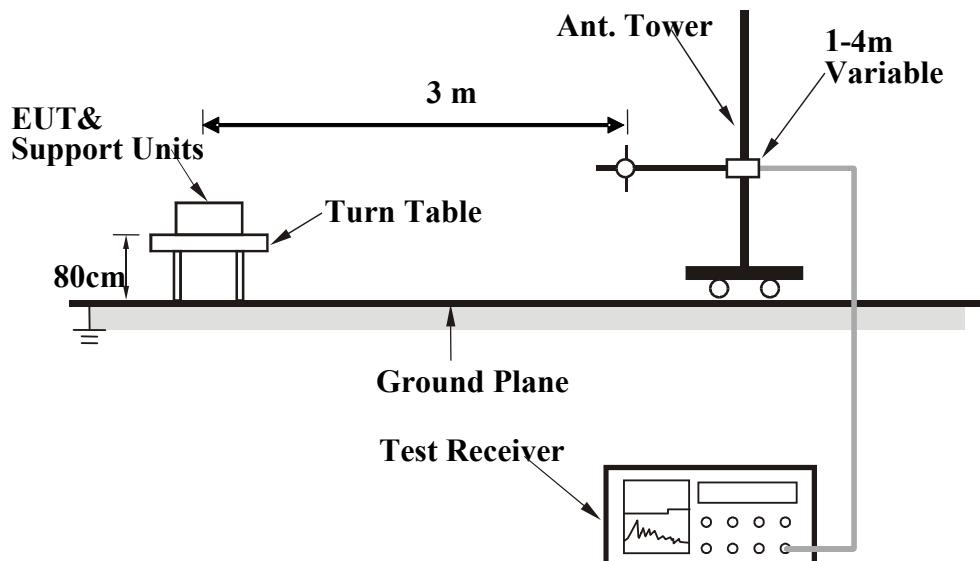
EUT Characterisation

EUT characterisation, over the frequency range from 30MHz to 1GHz (for FCC tests, until the 10th harmonic for operating frequencies \geq 108MHz),, was done in order to minimise radiated emissions testing time while still maintaining high confidence in the test results.

The EUT was placed in the chamber, at a height of about 0.8m on a turntable. Its radiated emissions frequency profile was observed, using a spectrum analyzer /receiver with the appropriate broadband antenna placed 3m or 10m away from the EUT. Radiated emissions from the EUT were maximised by rotating the turntable manually, changing the antenna polarisation and manipulating the EUT cables while observing the frequency profile on the spectrum analyzer / receiver. Frequency points at which maximum emissions occurred, clock frequencies and operating frequencies were then noted for the formal radiated emissions test at the Open Area Test Site (OATS) or EMC 3m chamber.

Test Set-up

1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m X 1.0m X 0.8m high, non-metallic table.
2. The filtered power supply for the EUT and supporting equipment were tapped from the appropriate power sockets located on the turntable.
3. The relevant broadband antenna was set at the required test distance away from the EUT and supporting equipment boundary.



Test Method

The following procedure was performed to determine the maximum emission axis of EUT:

1. With the receiving antenna is H polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
2. With the receiving antenna is V polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
3. Compare the results derived from above two steps. So, the axis of maximum emission from EUT was determined and the configuration was used to perform the final measurement.

Final Radiated Emission Measurement

1. Setup the configuration according to figure 1. Turn on EUT and make sure that it is in normal function.
2. For emission frequencies measured below 1 GHz, a pre-scan is performed in a shielded chamber to determine the accurate frequencies of higher emissions will be checked on a open test site or EMC 10m chamber. As the same purpose, for emission frequencies measured above 1 GHz, a pre-scan also be performed with a 1 meter measuring distance before final test.
3. For emission frequencies measured below and above 1 GHz, set the spectrum analyzer on a 100 kHz and 1 MHz resolution bandwidth respectively for each frequency measured in step 2.
4. The search antenna is to be raised and lowered over a range from 1 to 4 meters in horizontally polarized orientation. Position the highness when the highest value is indicated on spectrum analyzer, then change the orientation of EUT on test table over a range from 0° to 360° with a speed as slow as possible, and keep the azimuth that highest emission is indicated on the spectrum analyzer. Vary the antenna position again and record the highest value as a final reading.
5. Repeat step 4 until all frequencies need to be measured were complete.
6. Repeat step 5 with search antenna in vertical polarized orientations.

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	Peak	100 kHz	100 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

Description of Radiated Emission Program

This EMC Measurement software run LabView automation software and offers a common user interface for electromagnetic interference (EMI) measurements. This software is a modern and powerful tool for controlling and monitoring EMI test receivers and EMC test systems. It guarantees reliable collection, evaluation, and documentation of measurement results. Basically, this program will run a pre-scan measurement before it proceeds with the final measurement. The pre-scan routine will run the scan on four different antenna heights, 2 antenna polarity, and 360 degrees table rotation. For example, the program was set to run 30 MHz to 1 GHz scan; the program will first start from a meter antenna height and divide the 30 MHz to 1 GHz into 10 separate parts of maximum hold sweeps. Each parts of maximum hold sweep, the program will collect the data from 0 degree to 360 degrees table rotation. After the program complete the 1m scan, the antenna continues to rise to 2m and continue the scan. The step will repeated for all specified antenna height and polarity. This program will perform the Quasi Peak measurement after the signal maximization process and pre-scan routine. The final measurement will be base on the pre-scan data reduction result.

Sample Calculation Example

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. For the limit is employed average value, therefore the peak value can be transferred to average value by subtracting the duty factor. The basic equation with a sample calculation is as follows:

$$\text{Peak} = \text{Reading} + \text{Corrected Factor}$$

where

$$\text{Corr. Factor} = \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain (if any)}$$

And the average value is

$$\text{Average} = \text{Peak Value} + \text{Duty Factor or}$$

$$\text{Set RBW} = 1\text{MHz}, \text{VBW} = 10\text{Hz}.$$

Note:

If the measured frequencies are fall in the restricted frequency band, the limit employed must be quasi peak value when frequencies are below or equal to 1 GHz. And the measuring instrument is set to quasi peak detector function.

Annex B. EUT AND TEST SETUP PHOTOGRAPHS

Annex B.i. Photograph 1: EUT External Photo



EUT - Front View



EUT - Rear View



EUT - Top View



EUT - Bottom View



EUT - Left View



EUT - Right View

Annex B.ii. Photograph 2: EUT Internal Photo

Cover Off - Top View



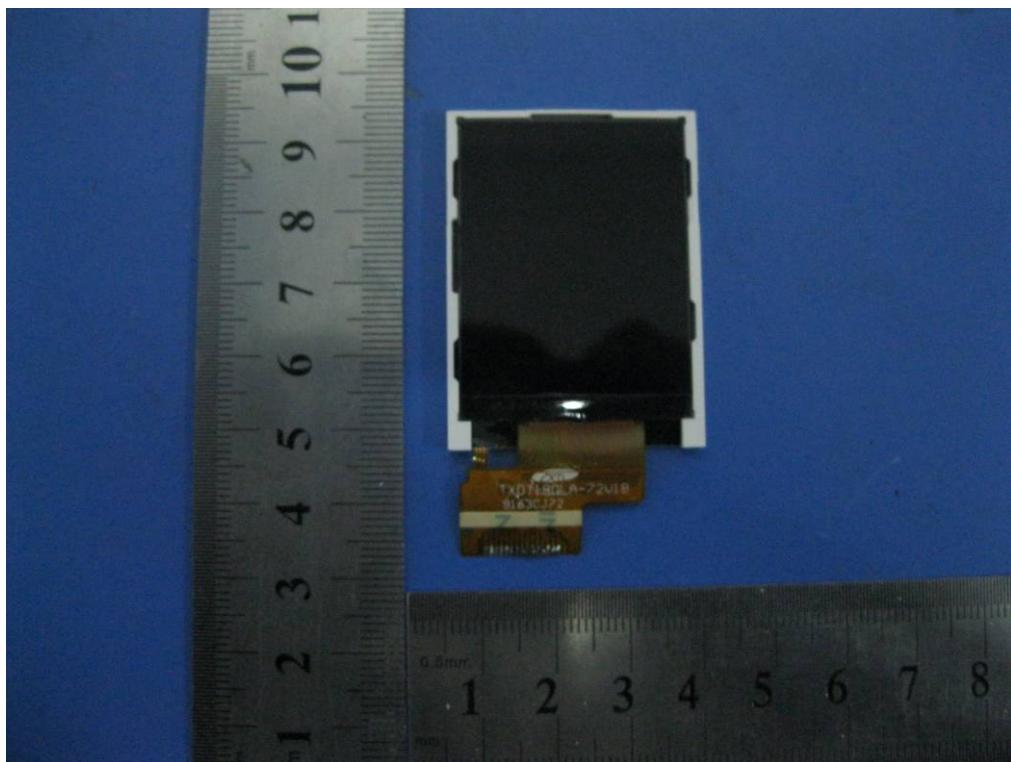
Cover Off - Bottom View



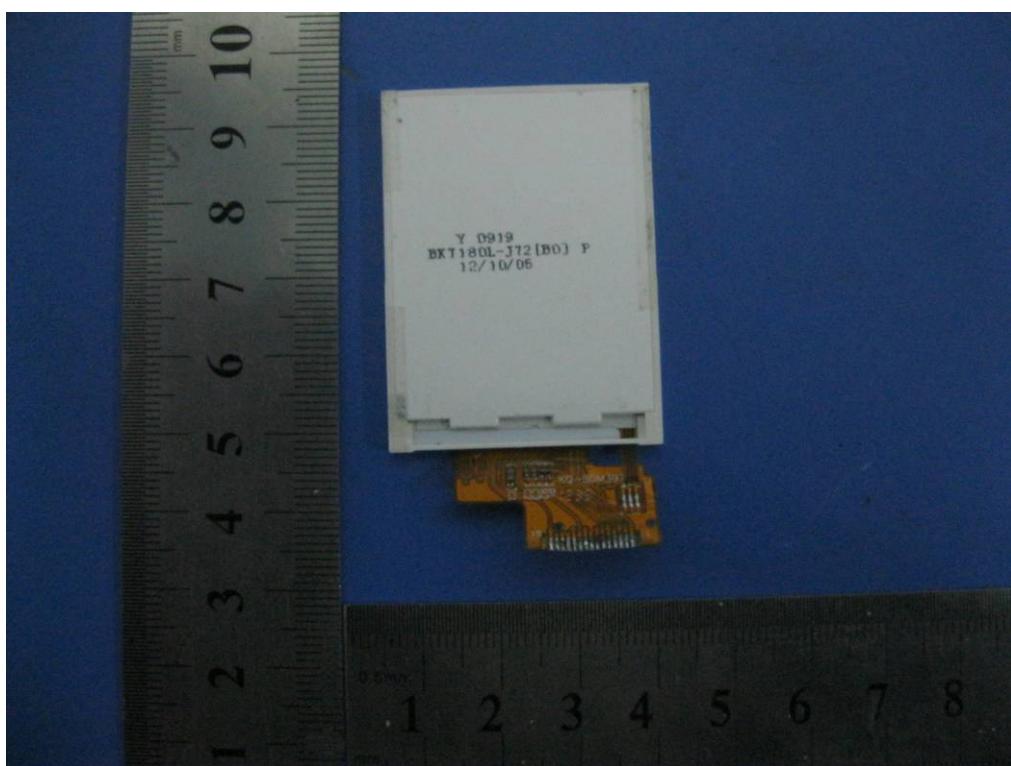
Battery - Top View



Battery - Bottom View



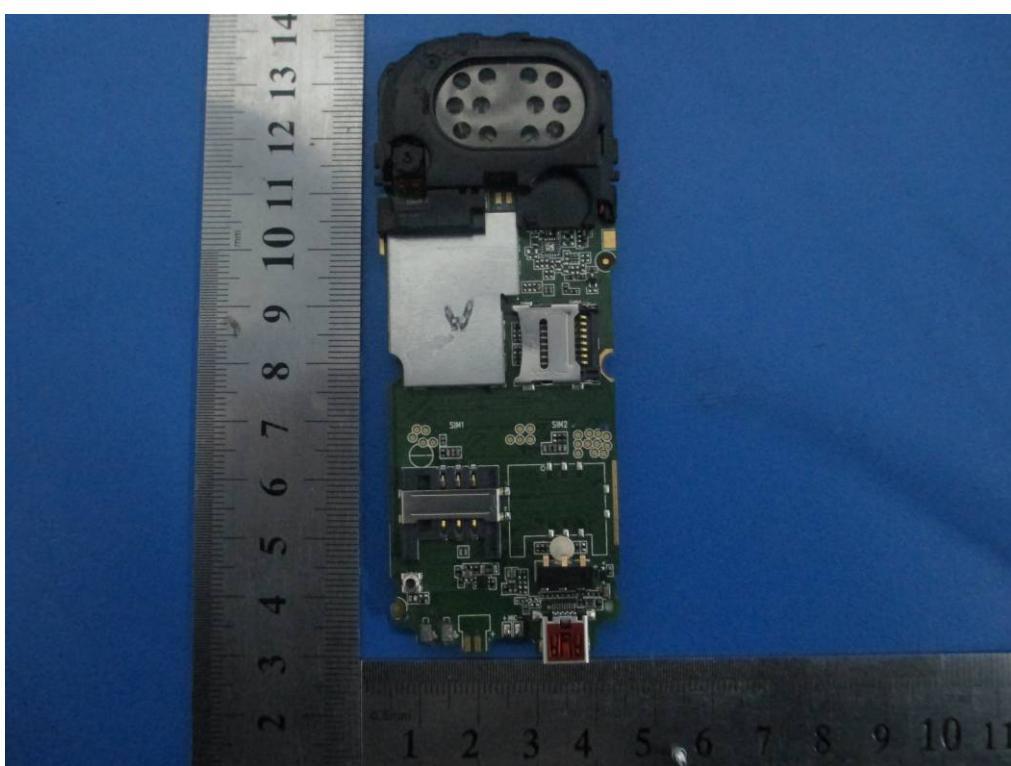
LCD - Top View



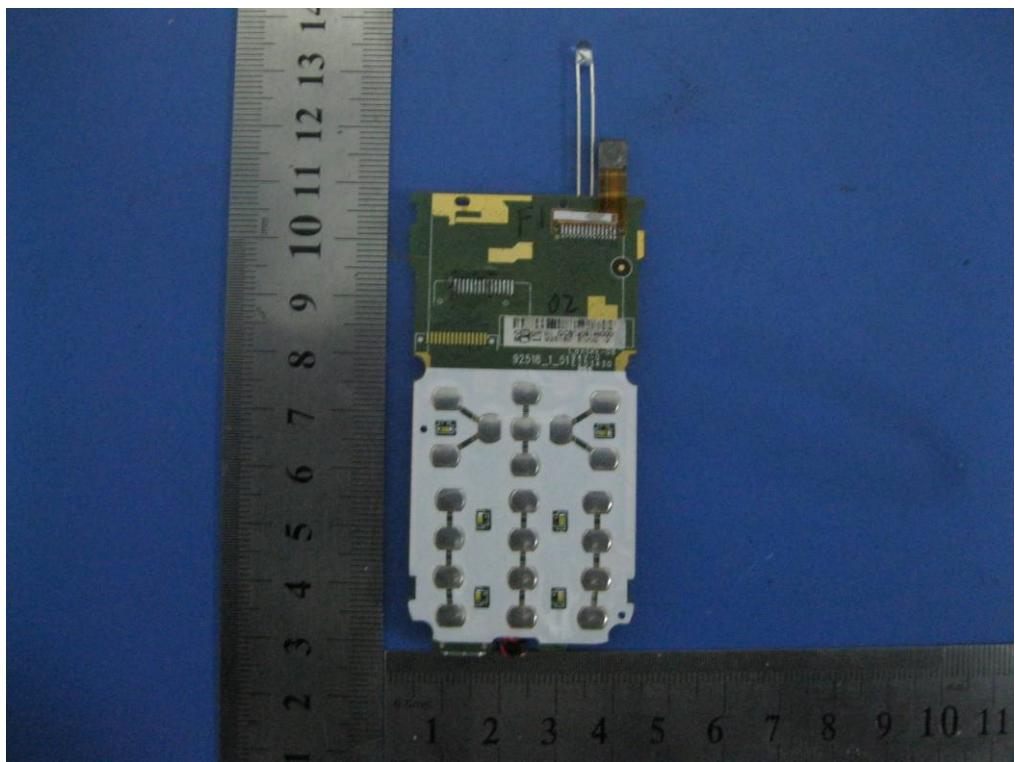
LCD - Bottom View



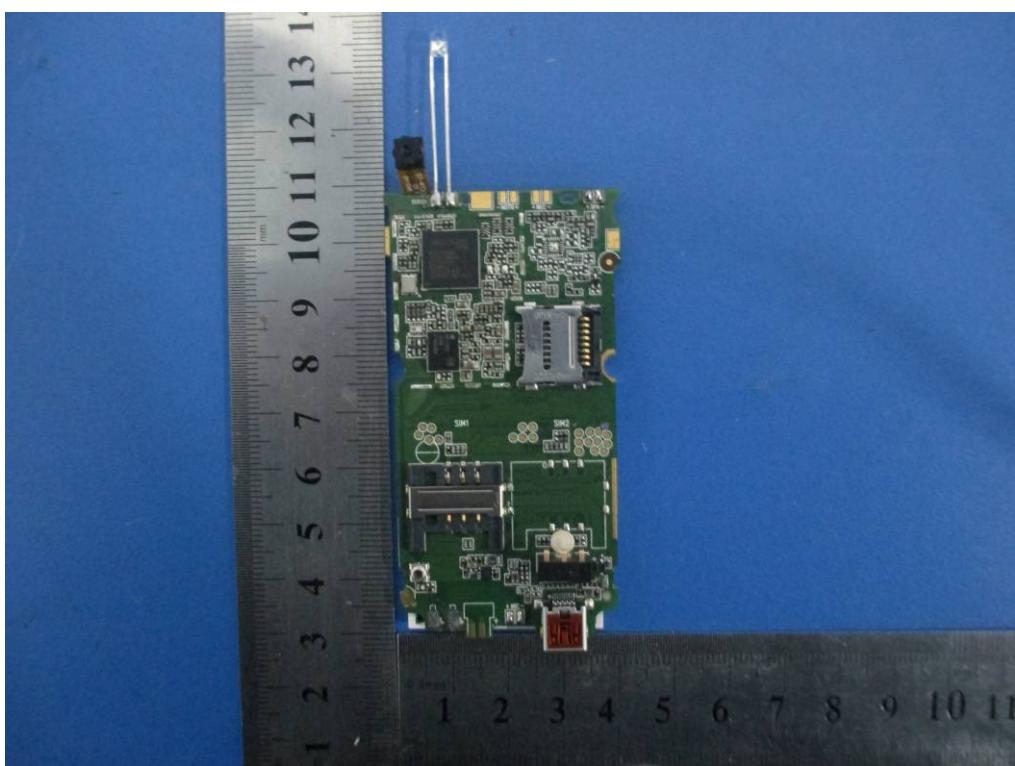
Uncover - Top View



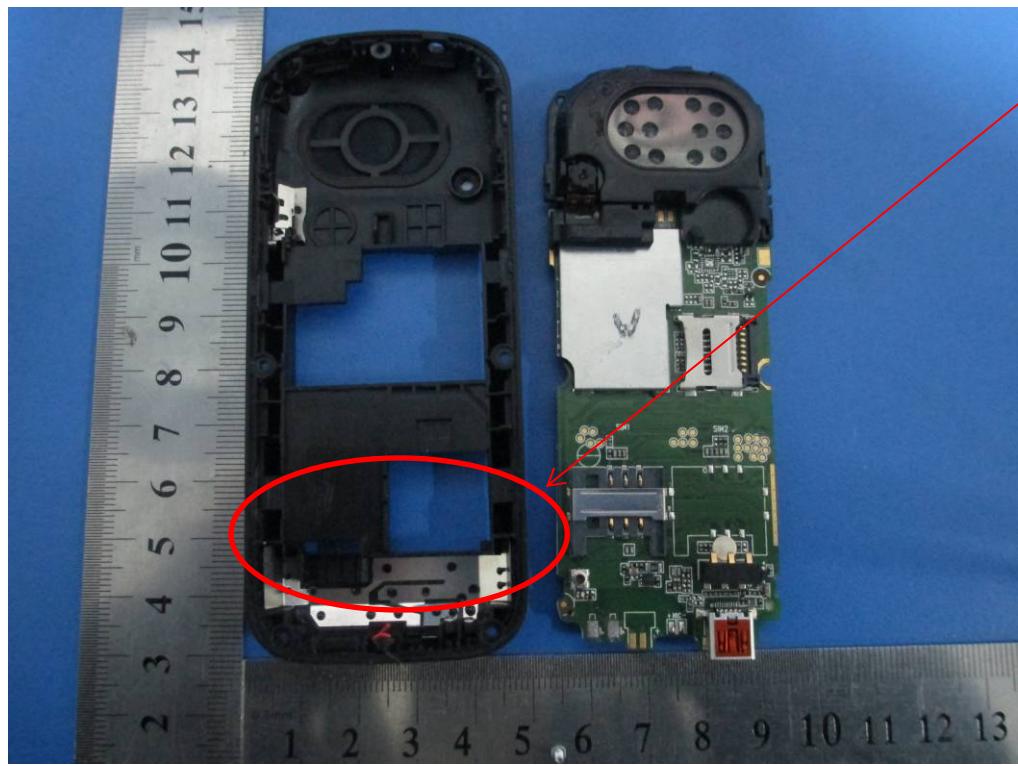
Uncover - Bottom View



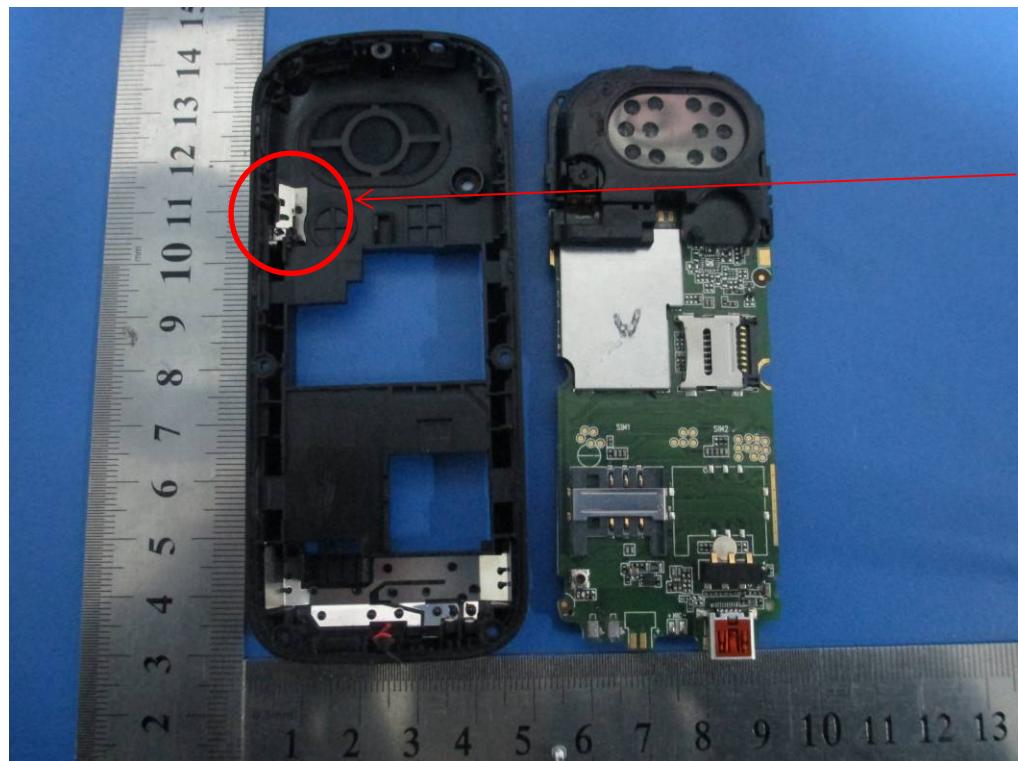
Uncover without LCD - Top View



Uncover Without Shielding - Top View

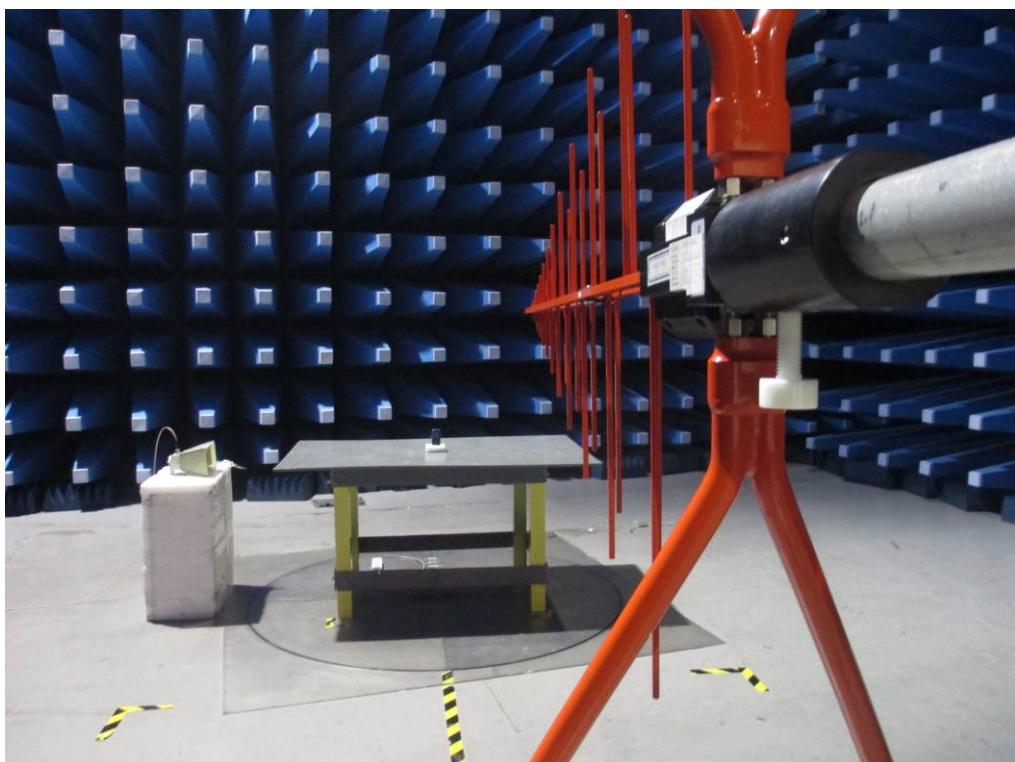


GSM Antenna - Top View

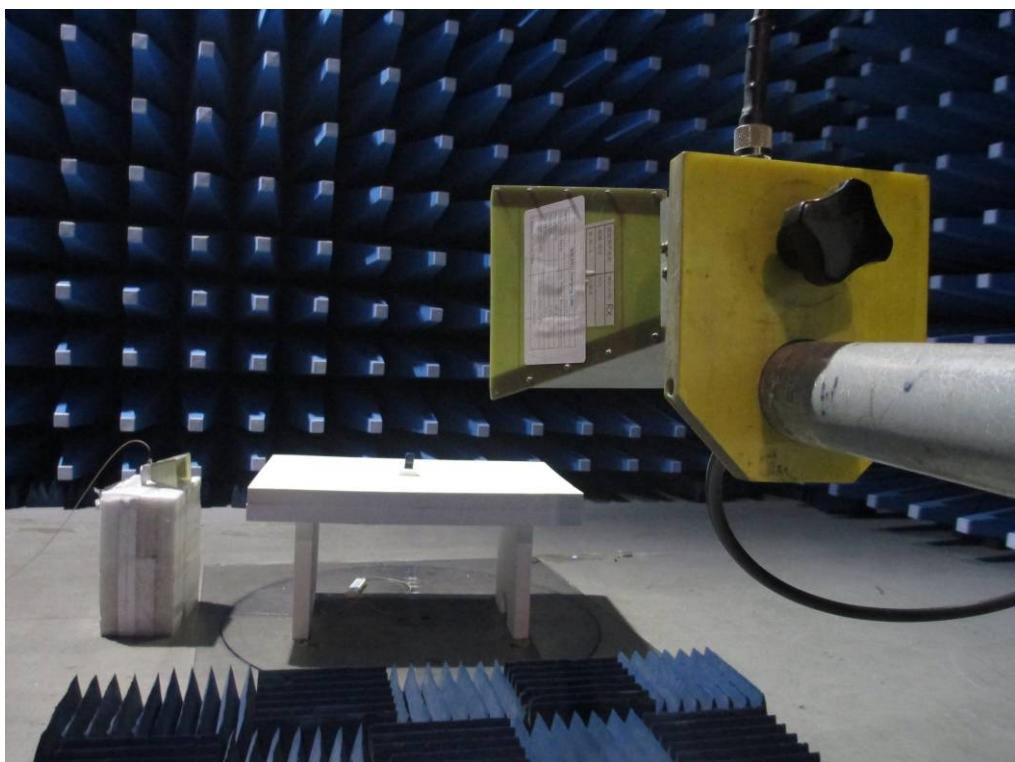


Bluetooth Antenna - Top View

Annex B.iii. Photograph 3: Test Setup Photo



Radiated Spurious Emissions Test Setup Below 1GHz - Front View



Radiated Spurious Emissions Test Setup Above 1GHz -Front View

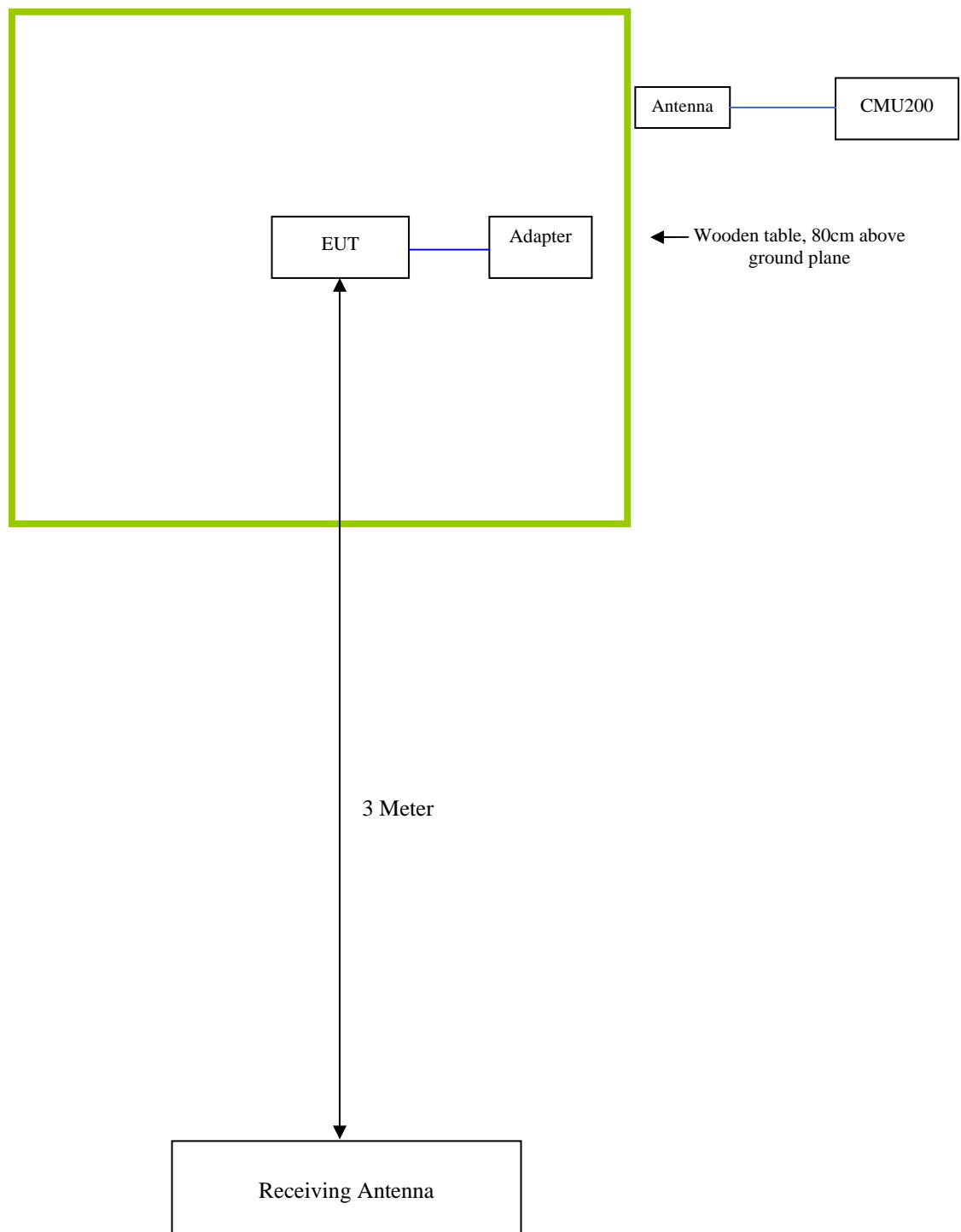
Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

EUT TEST CONDITIONS

Annex C. i. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Block Configuration Diagram for Radiated Emissions



Annex C.ii. EUT OPERATING CONDITIONS

The following is the description of how the EUT is exercised during testing.

Test	Description Of Operation
Emissions Testing	The EUT was communicating with base station and set to work at maximum output power.
Others Testing	The EUT was communicating with base station and set to work at maximum output power.

Annex D. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PART LIST

Please see attachment

Annex E. DECLARATION OF SIMILARITY

FCC Class II Permissive Change Request Letter

Date: January 31, 2013

To FCC:

RE: FCC Permissive II Change Request for Company: Nexus Telecom Inc. FCC ID: YSEGO170

We are submitting an application for a class II permissive change to the FCC approval of the Company name: Nexus Telecom Inc., product description: GSM Mobile Phone (FCC: **YSEGO170**, Original Grant Date: January 30, 2013). The transmitter module itself has not changed. Here are the changes:

In the new model, comparing with Dual SIM model, we removed one SIM slot and relevant surrounding components. Now it's a single SIM model.

Sincerely,



Signature:

Name : **Herbert Braun Valle**

Title: **Director**

Company Name: **Nexus Telecom Inc.**

Address: **PO Box 873, Venterpool Plaza, Road Town, Tortola Virgin Islands(British)**

Email: **hbraunvalle@gmail.com**

Telephone: **0050224120624**