

Report No: CCIS15100082902

FCC REPORT

(BLE)

Applicant: NEXUS TELECOM SERVICES (HK) LIMITED

Address of Applicant: R112, 11/F Hollywood Plaza, Mangkok, Kowloon, Hong Kong

Equipment Under Test (EUT)

Product Name: MOBILE PHONE

Model No.: GO1005

Trade mark: GOMOBILE

FCC ID: 2AHDFGO1005

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: 10 Nov., 2015

Date of Test: 10 Nov., to 16 Dec., 2015

Date of report issued: 17 Dec., 2015

Test Result: PASS *

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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^{*} In the configuration tested, the EUT complied with the standards specified above.





2 Version

Version No.	Date	Description
00	17 Dec., 2015	Original

Tested by: Over them Date: 17 Dec., 2015

Test Engineer

Reviewed by: Date: 17 Dec., 2015

Project Engineer



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4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
6dB Emission Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247(d)	Pass
Spurious Emission	15.205/15.209	Pass

Pass: The EUT complies with the essential requirements in the standard.





5 General Information

5.1 Client Information

Applicant:	NEXUS TELECOM SERVICES (HK) LIMITED
Address of Applicant:	R112, 11/F Hollywood Plaza, Mangkok, Kowloon, Hong Kong
Manufacturer:	TEM MOBILE LIMITED
Address of Manufacturer:	No 1708, Cangsong Building, Tairan 6 Road, Futian ShenZhen, China

5.2 General Description of E.U.T.

<u>-</u>	
Product Name:	MOBILE PHONE
Model No.:	GO1005
Operation Frequency:	2402-2480 MHz
Channel numbers:	40
Channel separation:	2 MHz
Modulation technology:	GFSK
Data speed :	1Mbps
Antenna Type:	Internal Antenna
Antenna gain:	-1 dBi
Power supply:	Rechargeable Li-ion Battery DC3.7V-2600mAh
AC adapter:	Input:100-240V AC,50/60Hz 0.2A
	Output: 5.0V DC MAX 1.0A



Operation Frequency each of channel								
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency	
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz	
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz	
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz	
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz	
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz	
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz	
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz	
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz	
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz	
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz	

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2442MHz
The Highest channel	2480MHz



5.3 Test environment and mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Operation mode	Keep the EUT in continuous transmitting with modulation

Report No: CCIS15100082902

The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

5.4 Description of Support Units

N/A

5.5 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 817957

Shenzhen Zhongjian Nanfang Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in out files. Registration 817957, February 27, 2012.

• IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

• CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

5.6 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755-23118282 Fax: +86-755-23116366

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366





5.7 Test Instruments list

Radiated Emission:									
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)			
1	3m SAC	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	08-23-2014	08-22-2017			
2	BiConiLog Antenna	SCHWARZBECK	VULB9163	CCIS0005	03-28-2015	03-28-2016			
3	Horn Antenna	SCHWARZBECK	BBHA9120D	CCIS0006	03-28-2015	03-28-2016			
4	Pre-amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2015	03-31-2016			
5	Pre-amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	04-01-2015	03-31-2016			
6	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	04-01-2015	03-31-2016			
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	04-01-2015	03-31-2016			
8	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP30	CCIS0023	03-28-2015	03-28-2016			
9	EMI Test Receiver	Rohde & Schwarz	ESRP7	CCIS0167	03-28-2015	03-28-2016			
10	Loop antenna	Laplace instrument	RF300	EMC0701	04-01-2015	03-31-2016			

Con	Conducted Emission:									
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)				
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	08-23-2014	08-22-2017				
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	03-28-2015	03-28-2016				
3	LISN	CHASE	MN2050D	CCIS0074	03-28-2015	03-28-2016				
4	Coaxial Cable	CCIS	N/A	CCIS0086	04-01-2015	03-31-2016				
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A				



6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement: FCC

15.203 requirement:

FCC Part 15 C Section 15.203 /247(c)

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The BLE antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is -1 dBi.





6.2 Conducted Emission

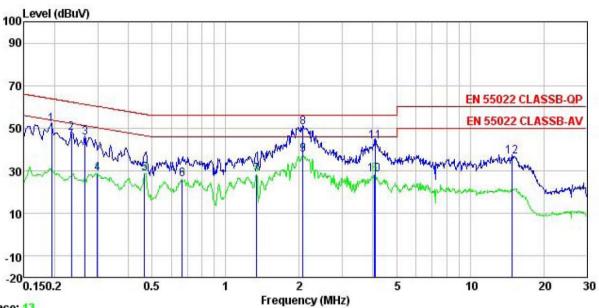
0.2 Oondaotea Emissio	/11						
Test Requirement:	FCC Part 15 C Section 15.207						
Test Method:	ANSI C63.4: 2009						
Test Frequency Range:	150 kHz to 30 MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9kHz, VBW=30kHz						
Limit:	Frequency range (MHz) Limit (dBuV)						
		Quasi-peak	Average				
	0.15-0.5 66 to 56* 56 to 46*						
	0.5-5	56	46				
	5-30	60	50				
	* Decreases with the logarithm						
Test procedure	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2009 on conducted measurement. 						
Test setup:		ence Plane					
	AUX Equipment Test table/Insulation pla Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Test table height=0.8m		er — AC power				
Test Uncertainty:			±3.28 dB				
Test Instruments:	Refer to section 5.7 for details						
Test mode:	Refer to section 5.3 for details						
Test results:	Passed						

Measurement Data





Neutral:



Trace: 13

Site

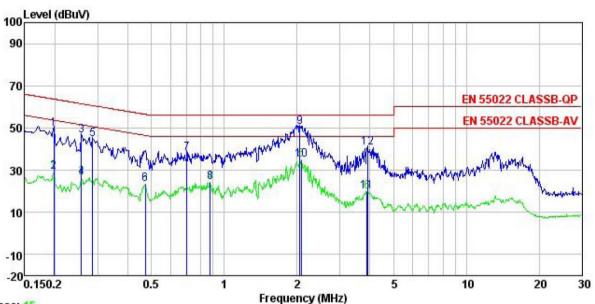
: CCIS Shielding Room : EN 55022 CLASSB-QP LISN NEUTRAL Condition

: 829RF : MOBILE PHONE Job No. EUT Model : GO1005 Test Mode : BLE mode
Power Rating : AC 120/60Hz
Environment : Temp: 23 °C Huni:56% Atmos:101KPa
Test Engineer: Carey

Remark	:							
		Read	LISN	Cable		Limit	Over	
	Freq	Level	Factor	Loss	Level	Line	Limit	Remark
500	MHz	dBu∜	<u>dB</u>	₫B	dBu₹	dBu∜	<u>dB</u>	
1	0.194	40.63	0.25	10.76	51.64	63.84	-12.20	QP
2	0.234	36.90	0.25	10.75	47.90	62.30	-14.40	QP
3	0.266	34.53	0.26	10.75	45.54	61.25	-15.71	QP
4	0.299	17.83	0.26	10.74	28.83	50.28	-21.45	Average
1 2 3 4 5 6 7 8 9	0.466	17.71	0.28	10.75	28.74	46.58	-17.84	Average
6	0.665	15.04	0.20	10.77	26.01	46.00	-19.99	Average
7	1.338	16.89	0.25	10.91	28.05	46.00	-17.95	Average
8	2.066	39.20	0.29	10.96	50.45	56.00	-5.55	QP
9	2.066	26.32	0.29	10.96	37.57	46.00	-8.43	Average
10	4.070	17.14	0.29	10.89	28.32	46.00	-17.68	Average
11	4.092	32.70	0.29	10.89	43.88	56.00	-12.12	QP
12	14.828	25.39	0.25	10.90	36.54	60.00	-23.46	QP



Line:



Trace: 15

Site

: CCIS Shielding Room : EN 55022 CLASSB-QP LISN LINE Condition

: 829RF Job No.

EUT : MOBILE PHONE : GO1005 Model Test Mode : BLE mode

Power Rating: AC 120/60Hz Environment: Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: Carey

Remark

Vellar K	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	
===	MHz	dBu∜	₫B	₫B	dBu∜	dBu∜	₫B		
1	0.198	38.68	0.28	10.76	49.72	63.71	-13.99	QP	
2	0.198	18.09	0.28	10.76	29.13	53.71	-24.58	Average	
3	0.258	35.25	0.27	10.75	46.27	61.51	-15.24	QP	
2 3 4 5 6 7 8 9	0.258	15.68	0.27	10.75	26.70	51.51	-24.81	Average	
5	0.286	33.64	0.26	10.74	44.64	60.63	-15.99	QP	
6	0.471	12.39	0.29	10.75	23.43	46.49	-23.06	Average	
7	0.701	27.21	0.22	10.77	38.20	56.00	-17.80	QP	
8	0.876	13.11	0.24	10.83	24.18	46.00	-21.82	Average	
9	2.055	39.00	0.26	10.96	50.22	56.00	-5.78	QP	
10	2.077	23.83	0.26	10.96	35.05	46.00	-10.95	Average	
11	3.881	8.67	0.28	10.89	19.84	46.00	-26.16	Average	
12	3.901	29.60	0.28	10.89	40.77	56.00	-15.23	QP	

Notes:

- 1. An initial pre-scan was performed on the live and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss



6.3 Conducted Output Power

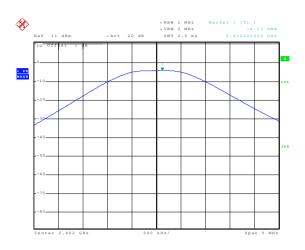
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.10:2009 and KDB558074v03r03 section 9.2.2
Limit:	30dBm
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data

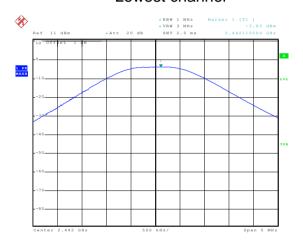
Test CH	Maximum Conducted Output Power (dBm)	Limit(dBm)	Result
Lowest	-4.13		
Middle	-3.83	30.00	Pass
Highest	-5.36		

Test plot as follows:

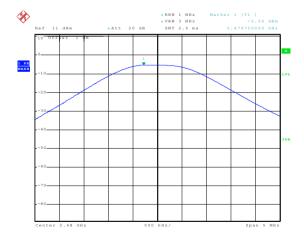




Date: 9.NOV.2015 23:05:11 Lowest channel



Date: 9.NOV.2015 23:05:49 Middle channel



Highest channel



6.4 Occupy Bandwidth

Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)			
Test Method:	ANSI C63.10:2009 and KDB558074v03r03 section 8.1			
Limit:	>500kHz			
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane			
Test Instruments:	Refer to section 5.7 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Passed			

Measurement Data

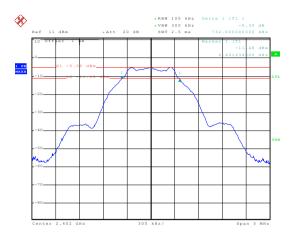
Test CH	6dB Emission Bandwidth (MHz)	Limit(kHz)	Result
Lowest	0.732		
Middle	0.720	>500	Pass
Highest	0.720		

Test CH	99% Occupy Bandwidth (MHz)	Limit(kHz)	Result
Lowest	1.026		
Middle	1.026	N/A	N/A
Highest	1.026		

Test plot as follows:

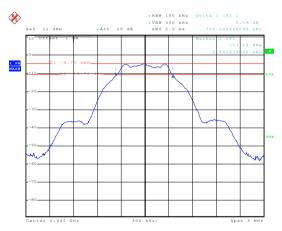


6dB EBW



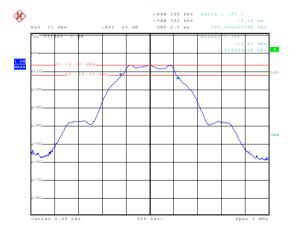
Date: 9.NOV.2015 23:10:46

Lowest channel



Date: 9.NOV.2015 23:09:59

Middle channel

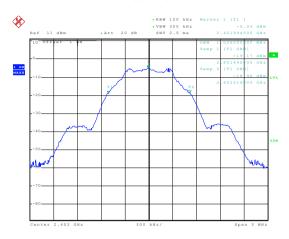


Date: 9.NOV.2015 23:09:26

Highest channel

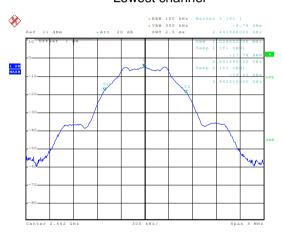


99% OBW



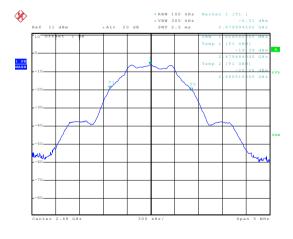
Date: 9.NOV.2015 23:10:23

Lowest channel



Date: 9.NOV.2015 23:10:12

Middle channel



Date: 9.NOV.2015 23:08:59

Highest channel



6.5 Power Spectral Density

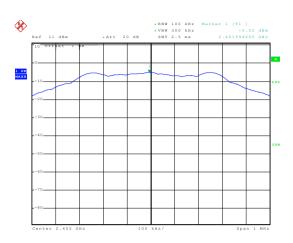
Test Requirement:	FCC Part 15 C Section 15.247 (e)			
Test Method:	ANSI C63.10:2009 and KDB558074v03r03 section 10.2			
Limit:	8 dBm			
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane			
Test Instruments:	Refer to section 5.7 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Passed			

Measurement Data

Test CH	Power Spectral Density (dBm)	Limit(dBm)	Result
Lowest	-5.02		
Middle	-4.70	8.00	Pass
Highest	-6.31		

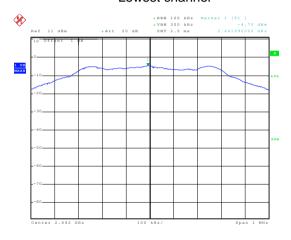
Test plots as follow:





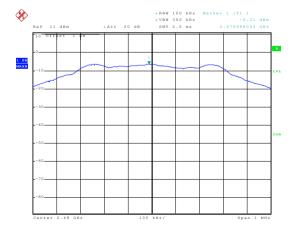
Date: 9.NOV.2015 23:08:10

Lowest channel



Date: 9.NOV.2015 23:08:25

Middle channel



Date: 9.NOV.2015 23:08:37

Highest channel





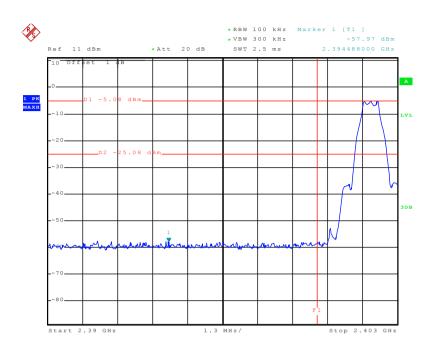
6.6 Band Edge

6.6.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)					
Test Method:	ANSI C63.10:2009 and KDB558074v03r03 section 13					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table					
Test Instruments:	Refer to section 5.7 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					

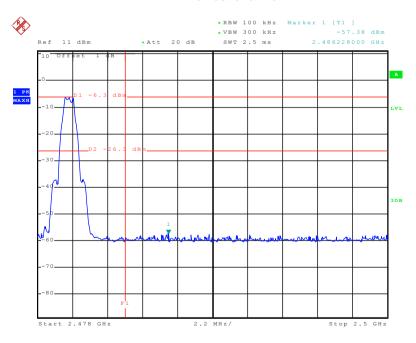
Test plots as follow:





Date: 9.NOV.2015 23:07:41

Lowest channel



Date: 9.NOV.2015 23:07:05

Highest channel



6.6.2 Radiated Emission Method

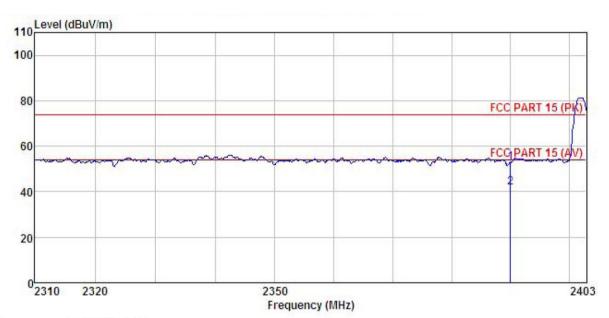
Test Requirement:	FCC Part 15 C	Section 15.20	9 and 15.205	<u> </u>			
Test Method:	ANSI C63.10: 2013 and KDB 558074v03r03 section 12.1						
Test Frequency Range:	2.3GHz to 2.5G	Hz					
Test site:	Measurement D	Distance: 3m					
Receiver setup:	Frequency	Detector	RBW	Remark			
·	Above 1GHz	Peak	1MHz	3MHz	Peak Value		
	Above 1G112	RMS	1MHz	3MHz	Average Value		
Limit:	Freque	ency	Limit (dBuV		Remark		
	Above 1	IGHz -	54.0		Average Value		
Test Procedure:	 The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenn tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak value of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data sheet. 			rence-receiving able-height antenna our meters above the field strength. Intenna are set to appear to its worst from 1 meter to 4 the ses to 360 degrees. Function and the peak values assions that did not the using peak, quasi-			
Test setup:	AE SOCM	EUT Gro	Horn Anti	Antenna To Controller	wer		
Test Instruments:	Refer to section	5.7 for detail	S				
Test mode:	Refer to section	5.3 for detail	s				
Test results:	Passed						





Test channel: Lowest

Horizontal:



: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL : MOBILE PHONE Condition

: MOBILE PHONE

Model : G01005

Test mode : BLE-L mode

Power Rating : AC 120V/60Hz

Environment : Temp:25.5°C Huni:55%

Test Engineer: Carey

REMARK :

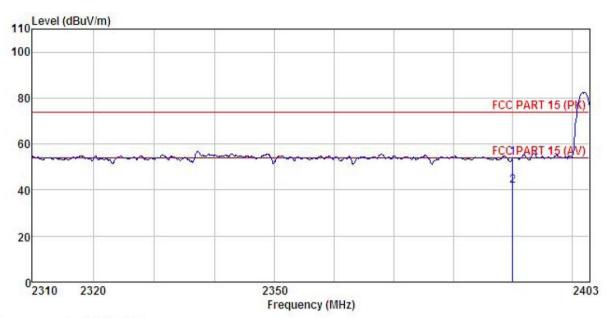
ALCAIN.	v :								
		Read	Antenna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu∜		<u>d</u> B	<u>dB</u>	dBuV/m	dBuV/m	<u>dB</u>	
	2390.000 2390.000								





Test channel: Lowest

Vertical:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL : MOBILE PHONE Condition

EUT Model : GO1005
Test mode : BLE-L mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55%

Test Engineer: Carey REMARK :

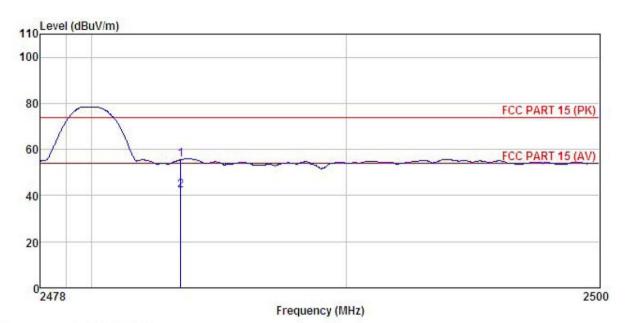
מזמוונים			Antenna Factor						
-	MHz	dBuV	$\overline{-dB}/\overline{m}$	āB	<u>d</u> B	$\overline{dBuV/m}$	dBuV/m	<u>d</u> B	 -
	2390.000 2390.000								





Test channel: Highest

Horizontal:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL Condition

EUT : MOBILE PHONE Model : GO1005 Test mode : BLE-H mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55%

Test Engineer: Carey REMARK

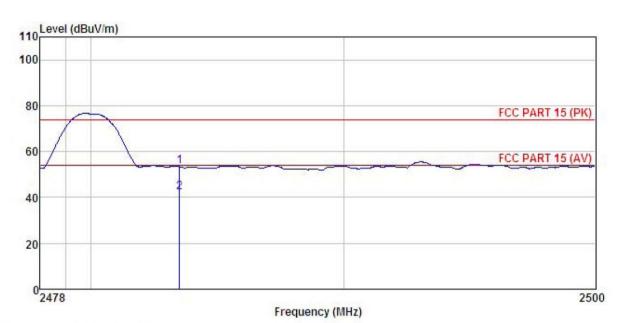
TAME	n :								
			Ant enna						
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-	MHz	—dBuV	<u>dB</u> /m	d <u>B</u>	<u>d</u> B	dBuV/m	dBuV/m	<u>dB</u>	
1	2483.500	21.19	27.52	6.85	0.00	55.56	74.00	-18.44	Peak
2	2483.500	7.87	27.52	6.85	0.00	42.24	54.00	-11.76	Average





Test channel: Highest

Vertical:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL Condition

EUT : MOBILE PHONE Test mode : BLE-H mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: Carey
REMARK :

ILVIVI	n :								
			Antenna						
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
- 1	MHz	dBu∜	<u>dB</u> /m	<u>dB</u>	<u>dB</u>	dBuV/m	dBu√/m	dB	
1	2483.500	19.05	27.52	6.85	0.00	53.42	74.00	-20.58	Peak
2	2483.500	7.82	27.52	6.85	0.00	42.19	54.00	-11.81	Average



6.7 Spurious Emission

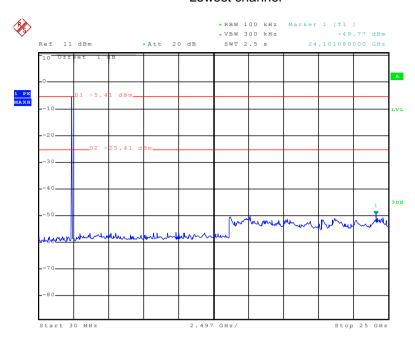
6.7.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)						
Test Method:	ANSI C63.10:2009 and KDB558074 section 11						
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.						
Test setup:	Cu actuum Analus an						
	Spectrum Analyzer						
	E.U.T						
	Non-Conducted Table						
	Ground Reference Plane						
Test Instruments:	Refer to section 5.7 for details						
Test mode:	Refer to section 5.3 for details						
Test results:	Passed						

Test plot as follows:



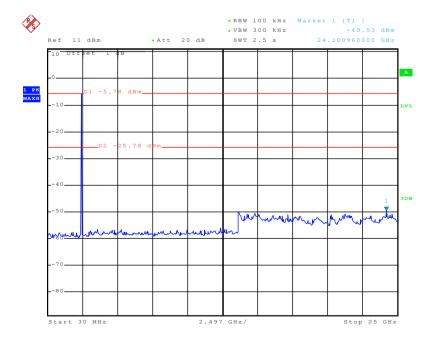
Lowest channel



Date: 9.NOV.2015 23:11:37

30MHz~25GHz

Middle channel

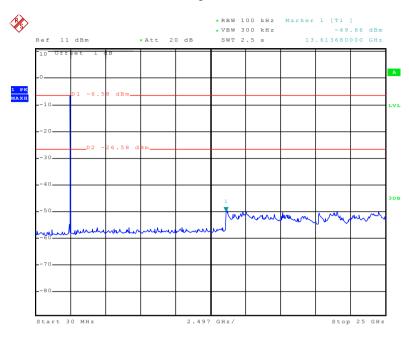


Date: 9.NOV.2015 23:12:37

30MHz~25GHz



Highest channel



Date: 9.NOV.2015 23:15:54

30MHz~25GHz



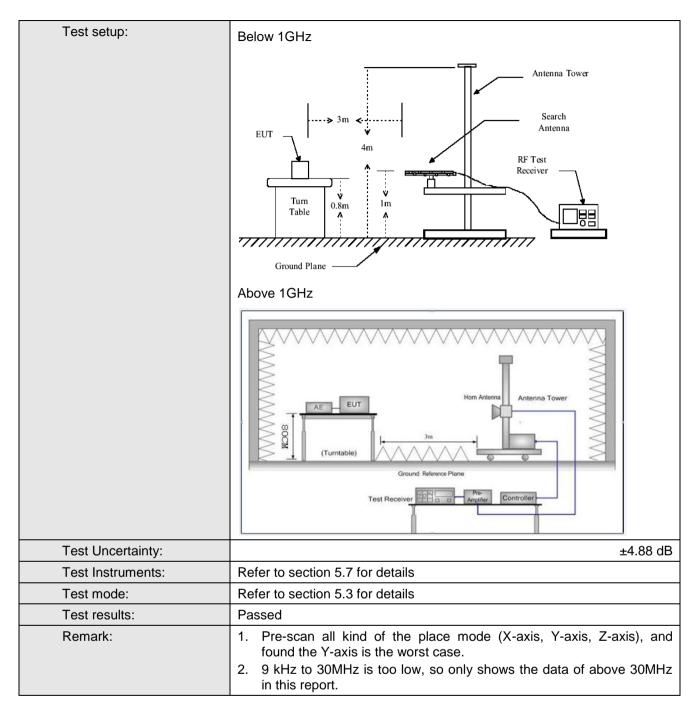


6.7.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C	Section 15.20	9 and 15.205							
Test Method:	ANSI C63.10:2009									
Test Frequency Range:	9KHz to 25GHz									
Test site:	Measurement D	istance: 3m								
Receiver setup:	Frequency Detector RBW VBW Remark 30MHz-1GHz Quasi-peak 120KHz 300KHz Quasi-peak Value									
	30MHz-1GHz Quasi-peak 120KHz 300KHz Quasi-peak Value									
	Above 1GHz	Peak 1MHz 3MHz Peak Value								
	Above IGIIZ	RMS	1MHz	3MHz	Average Value					
Limit:	Frequency		Limit (dBuV/m	@3m)	Remark					
	30MHz-88MHz		40.0		Quasi-peak Value					
	88MHz-216MHz		43.5		Quasi-peak Value					
	216MHz-960MH	z	46.0		Quasi-peak Value					
	960MHz-1GHz		54.0		Quasi-peak Value					
	Above 1GHz		54.0		Average Value					
			74.0		Peak Value					
Test Procedure:	the ground to determin 2. The EUT antenna, we tower. 3. The antenre the ground Both horizon make the make the make the meters and to find the meters and the meters and to find the meters and the	at a 3 meter the the position was set 3 meter was set 3 meter was more to determine the anter the anter the anter the rota table maximum read the rota table the rota table maximum read the rota table the rota table maximum read the rota table the	camber. The nof the highest teters away funted on the training of the maximulatical polarization. The example of the maximulatical polarization was turned ding. The example of the maximum Hamilton of the extension of the extens	table was a st radiation. Tom the in op of a variance meter to um value or ions of the EUT was and to height from 0 degrate Deak Dold Mode. The stopped wise the end one by one	le 0.8 meters above rotated 360 degrees terference-receiving able-height antenna of four meters above of the field strength, antenna are set to tranged to its worst is from 1 meter to 4 rees to 360 degrees etect Function and as 10 dB lower than and the peak values missions that did not e using peak, quasing reported in a data					





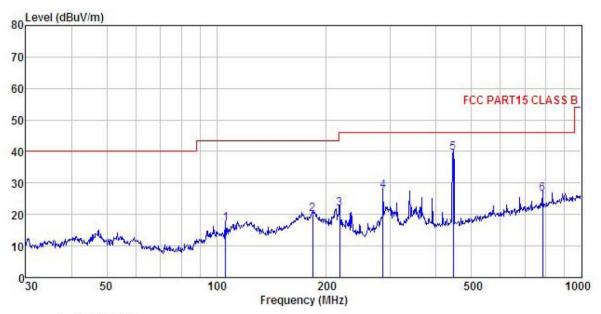






Below 1GHz

Horizontal:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M1G) HORIZONTAL : MOBILE PHONE Condition

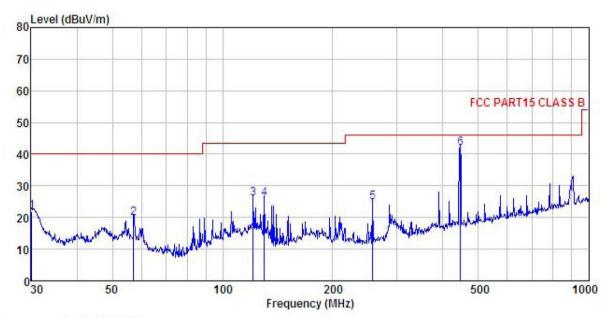
EUT : GO1005
Test mode : BLE mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: Carey
REMARK :

PHETTAL	•								
	Freq		Antenna Factor				Limit Line		Remark
_									
	MHz	dBu∀	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	106.013	32.86	12.59	1.01	29.48	16.98	43.50	-26.52	QP
2	183.201	37.77	9.92	1.36	28.95	20.10	43.50	-23.40	QP
2 3 4 5 6	217.544	38.07	11.10	1.47	28.72	21.92	46.00	-24.08	QP
4	285.978	41.39	12.78	1.73	28.47	27.43	46.00	-18.57	QP
5	444.851	50.63	15.57	2.24	28.86	39.58	46.00	-6.42	QP
6	782.345	31.99	19.82	3.13	28.29	26.65	46.00	-19.35	QP





Vertical:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M1G) VERTICAL : MOBILE PHONE Condition

EUT : GO1005
Test mode : BLE mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: Carey
REMARK :

PHILITITE									
	Freq		Antenna Factor				Limit Line	Over Limit	Remark
100									
_	MHz	dBu∀	dB/m	dВ	₫B	dBuV/m	dBuV/m	dB	
1	30.105	39.15	12.33	0.43	29.98	21.93	40.00	-18.07	QP
1 2 3 4 5	57.191	35.96	12.89	0.67	29.79	19.73	40.00	-20.27	QP
3	121.123	44.08	10.29	1.13	29.38	26.12	43.50	-17.38	QP
4	129.923	45.11	8.93	1.19	29.33	25.90	43.50	-17.60	QP
5	257.422	39.58	12.06	1.64	28.53	24.75	46.00	-21.25	QP
6	446.414	52.92	15.57	2.24	28.86	41.87	46.00	-4.13	QP



Above 1GHz

Т	est channel	:	Lowest		Le	vel:	Peak	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	46.83	31.53	10.57	40.24	48.69	74.00	-25.31	Vertical
4804.00	46.67	31.53	10.57	40.24	48.53	74.00	-25.47	Horizontal

Т	Test channel:			Lowest		vel:	Average	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	36.34	31.53	10.57	40.24	38.20	54.00	-15.80	Vertical
4804.00	35.93	31.53	10.57	40.24	37.79	54.00	-16.21	Horizontal

Т	Test channel:			Middle		vel:	Peak	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4884.00	46.23	31.58	10.66	40.15	48.32	74.00	-25.68	Vertical
4884.00	45.84	31.58	10.66	40.15	47.93	74.00	-26.07	Horizontal

Т	Test channel:			Middle		vel:	Average	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4884.00	36.63	31.58	10.66	40.15	38.72	54.00	-15.28	Vertical
4884.00	35.38	31.58	10.66	40.15	37.47	54.00	-16.53	Horizontal

Т	Test channel:			Highest		Level:		Peak	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4960.00	45.11	31.69	10.73	40.03	47.50	74.00	-26.50	Vertical	
4960.00	46.65	31.69	10.73	40.03	49.04	74.00	-24.96	Horizontal	

Т	Test channel:			Highest		vel:	Average	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	35.56	31.69	10.73	40.03	37.95	54.00	-16.05	Vertical
4960.00	36.47	31.69	10.73	40.03	38.86	54.00	-15.14	Horizontal

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.

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