Report No: CCISE180907502

# **FCC REPORT**

(Bluetooth)

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.: GO1008

Trade mark: GOMOBILE

FCC ID: 2AHDFGO1008

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

Date of sample receipt: 18 Sep., 2018

**Date of Test:** 18 Sep., to 12 Oct., 2018

Date of report issued: 12 Oct., 2018

Test Result: PASS \*

\* In the configuration tested, the EUT complied with the standards specified above.

#### 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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**Report No: CCISE180907502** 

### 2 Version

Version No.	Date	Description
00	12 Oct., 2018	Original

**Tested by:** 12 Oct., 2018

Test Engineer

**Reviewed by:** 12 Oct., 2018

Project Engineer





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# 4 Test Summary

Test Items	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)(1)	Pass
20dB Occupied Bandwidth	15.247 (a)(1)	Pass
Carrier Frequencies Separation	15.247 (a)(1)	Pass
Hopping Channel Number	15.247 (a)(1)	Pass
Dwell Time	15.247 (a)(1)	Pass
Spurious Emission	15.205 & 15.209	Pass
Band Edge	15.247(d)	Pass

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

N/A: Not Applicable.





# **5** General Information

# **5.1 Client Information**

Applicant: NEXUS TELECOM SERVICES (HK) LIMITED	
Address:	R112, 11/F Hollywood Plaza, Mangkok, Kowloon Hong Kong
Manufacturer:	NEXUS TELECOM SERVICES (HK) LIMITED
Address:	R112, 11/F Hollywood Plaza, Mangkok, Kowloon Hong Kong

5.2 General Description of E.U.T.

ne Concra Boson phon or Elotti				
Product Name:	MOBILE PHONE			
Model No.:	GO1008			
Operation Frequency:	2402MHz~2480MHz			
Transfer rate:	1/2/3 Mbits/s			
Number of channel:	79			
Modulation type:	GFSK, π/4-DQPSK, 8DPSK			
Modulation technology:	FHSS			
Antenna Type:	Internal Antenna			
Antenna gain:	0.5 dBi			
Power supply:	Rechargeable Li-ion Battery DC3.8V, 2000mAh			
AC adapter:	Model:GO1008 Input: AC100-240V, 50/60Hz, 0.15A Output: DC 5.0V, 1000mA			
Test Sample Condition:	The test samples were provided in good working order with no visible defects.			

Operation	Operation Frequency each of channel for GFSK, π/4-DQPSK, 8DPSK								
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency		
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz		
1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz		
2	2404MHz	22	2424MHz	42	2444MHz	62	2464MHz		
3	2405MHz	23	2425MHz	43	2445MHz	63	2465MHz		
4	2406MHz	24	2426MHz	44	2446MHz	64	2466MHz		
5	2407MHz	25	2427MHz	45	2447MHz	65	2467MHz		
15	15 2417MHz 35 2437MHz 55 2457MHz 75 2477MHz								
16	2418MHz	36	2438MHz	56	2458MHz	76	2478MHz		
17	2419MHz	37	2439MHz	57	2459MHz	77	2479MHz		
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz		
19	19 2421MHz 39 2441MHz 59 2461MHz								
Remark: Cl	nannel 0, 39 &78	3 selected fo	or GFSK, π/4-D	QPSK and 8	BDPSK.				

### 5.3 Test environment and test mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test Modes:	
Non-hopping mode:	Keep the EUT in continuous transmitting mode with worst case data rate.
Hopping mode:	Keep the EUT in hopping mode.
Remark	GFSK (1 Mbps) is the worst case mode.

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The sample was placed 0.8m (below 1GHz)/1.5m (above 1GHz) 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 with a fresh battery, 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.

# 5.4 Description of Support Units

The EUT has been tested as an independent unit.

## 5.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±2.22 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±2.76 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.28 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.72 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±2.88 dB (k=2)

## 5.6 Laboratory Facility

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

#### • FCC - Registration No.: 727551

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The Registration No. is 727551.

### 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.

#### • A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

## 5.7 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

Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

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



# 5.8 Test Instruments list

Radiated Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020	
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-16-2018	03-15-2019	
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-16-2018	03-15-2019	
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-16-2018	03-15-2019	
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020	
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-21-2017	11-20-2018	
EMI Test Software	AUDIX	E3	Version: 6.110919b		b	
Pre-amplifier	HP	8447D	2944A09358	03-07-2018	03-06-2019	
Pre-amplifier	CD	PAP-1G18	11804 03-07-2018 03-06-20		03-06-2019	
Spectrum analyzer	Rohde & Schwarz	FSP30	101454 03-07-2018 03-06-201		03-06-2019	
Spectrum analyzer	Rohde & Schwarz	FSP40	100363 11-21-2017 11-20-2018		11-20-2018	
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070 03-07-2018 03-06-2019		03-06-2019	
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2018	03-06-2019	
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2018	03-06-2019	
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2018	03-06-2019	
RF Switch Unit	MWRFTEST	MW200	N/A	N/A	N/A	
Test Software	MWRFTEST	MTS8200	Version: 2.0.0.0			

Conducted Emission:							
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)		
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-07-2018	03-06-2019		
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-07-2018	03-06-2019		
LISN	CHASE	MN2050D	1447	03-19-2018	03-18-2019		
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2018	07-20-2019		
Cable	HP	10503A	N/A	03-07-2018	03-06-2019		
EMI Test Software	AUDIX	E3	Version: 6.110919b				



# 6 Test results and measurement data

## 6.1 Antenna Requirement

# Standard requirement: FCC Part 15 C Section 15.203 & 247(c)

15.203 requirement:

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 Bluetooth antenna is an Internal antenna which permanently attached, and the best case gain of the antenna is 0.5 dBi.







# **6.2 Conducted Emissions**

 Conducted Linissions					
Test Requirement:	FCC Part 15 C Section 15.207				
Test Method:	ANSI C63.10:2013	ANSI C63.10:2013			
Test Frequency Range:	150 kHz to 30 MHz				
Class / Severity:	Class B				
Receiver setup:	RBW=9 kHz, VBW=30 k	Hz, Sweep time=auto			
Limit:	Frequency range	Limit (	dBuV)		
	(MHz)	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 log	arithm of the frequency.			
Test setup:	Reference	Plane			
	AUX Equipment  Remark  E.U.T Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m				
Test procedure:	<ol> <li>The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>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).</li> <li>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: 2014 on conducted measurement.</li> </ol>				
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Hopping mode				
Test results:	Pass				



#### **Measurement Data:**

Product name:	Product name: MOBILE PHONE		Product mo	odel:	GO1008	
Test by:	est by:		Test mode:		BT Tx mode	
Test frequency:	150 kHz ~ 30 MHz		Phase: Line		Line	
Test voltage:	AC 120 V/60 Hz		Environme	nt:	Temp: 22.5°	C Huni: 55%
80 Level (dBuV)  70  60  50  20  10  0.15 .2  Trace: 5	.5 1		10 MML Manual MILI MCy (MHz)	111	FCC FCC	PART 15.247 QP PART 15.247 AV
Fre	Read LISN q Level Factor	Cable Loss		Limir Lin		Remark
	z dBuV dB	<u>ab</u>	dBu⊽	dBu'	⊽ā <u>B</u>	
1 0.16 2 0.16 3 0.19 4 0.19 5 0.22 6 0.22 7 0.24 8 0.49 9 0.49	6 33.76 0.17 0 40.28 0.16 8 27.42 0.15 2 36.56 0.14 2 26.08 0.14 9 23.23 0.14	10.76	55.20 44.70 51.20 38.33 47.46 36.98 34.12 41.45	55. 10 64. 03 53. 7 62. 7 52. 7 51. 7	6 -9.96 6 -10.46 2 -12.82 1 -15.38 4 -15.28 4 -15.76 8 -17.66 5 -14.60	Average QP Average QP Average Average

#### Notes

- 1. An initial pre-scan was performed on the line 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.



Product name:	MOBILE PHONE	Product model:	GO1008
Test by:	YT	Test mode:	BT Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%
Test voltage:    80	.5 1  Read LISN Cabl Level Factor Los Z dBuV dB d  2 42.68 0.97 10.7 6 32.06 0.97 10.7 7 27.71 0.93 10.7 4 39.03 0.93 10.7 2 35.92 0.93 10.7 2 35.92 0.93 10.7 2 35.92 0.93 10.7 2 36.29 0.93 10.7 2 37.03 0.94 10.7 2 37.74 0.95 10.7 3 10.74 0.95 10.7 4 23.97 0.99 10.9 6 27.71 1.01 10.8	2 5 equency (MHz) .e Limit .s Level Line .g 43.80 55.16 .g 39.40 54.02 .g 650.72 63.84 .g 47.61 62.74 .g 43.80 55.16 .g 39.40 54.02 .g 630.72 63.84 .g 647.61 62.74 .g 657.61 .g 647.61 .g	FCC PART 15.247 QP FCC PART 15.247 AV  10 20 30  Cover Limit Remark

#### Notes

- 1. An initial pre-scan was performed on the line 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)(1)	
Test Method:	ANSI C63.10:2013 and DA00-705	
Receiver setup:	RBW=1MHz, VBW=3MHz, Detector=Peak (If 20dB BW ≤1 MHz) RBW=3MHz, VBW=10MHz, Detector=Peak (If 20dB BW > 1 MHz and < 3MHz)	
Limit:	For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.	
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane	
Test Instruments:	Refer to section 5.8 for details	
Test mode:	Non-hopping mode	
Test results:	Pass	

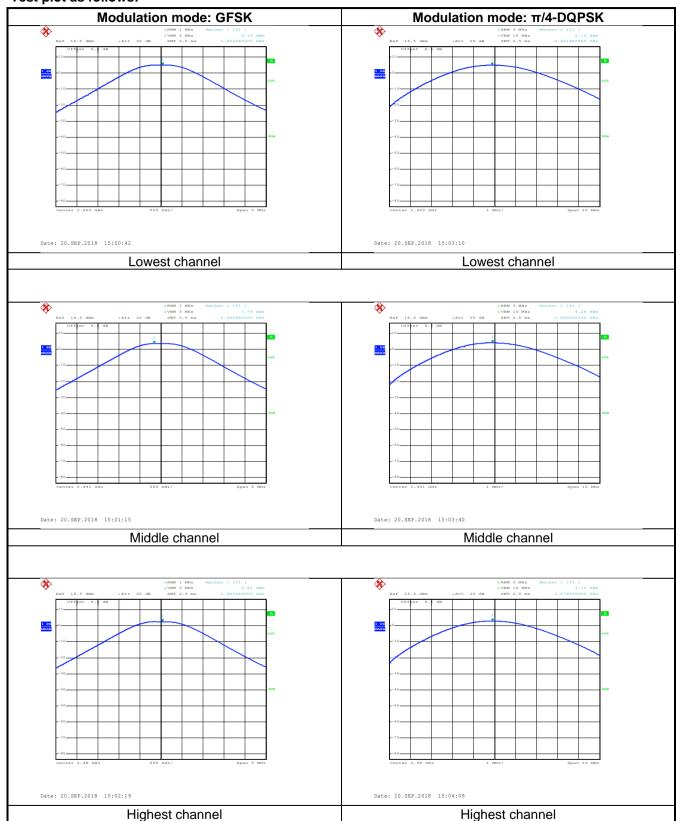
#### **Measurement Data:**

Test channel	Peak Output Power (dBm) Limit (dBm)		Result		
	GFSK mode				
Lowest channel	5.14	30.00	Pass		
Middle channel	3.76	30.00	Pass		
Highest channel	2.61	30.00	Pass		
	π/4-DQPSK i	mode			
Lowest channel	5.15	21.00	Pass		
Middle channel	4.26	21.00	Pass		
Highest channel	3.10	21.00	Pass		
	8DPSK mode				
Lowest channel	5.21	21.00	Pass		
Middle channel	4.32	21.00	Pass		
Highest channel	3.10	21.00	Pass		

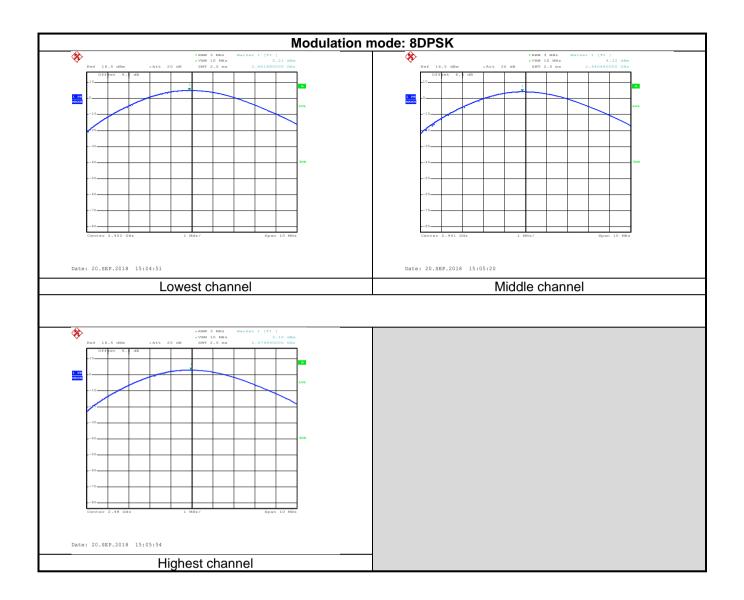




#### Test plot as follows:











6.4 20dB Occupy Bandwidth

Test Requirement:	FCC Part 15 C Section 15.247 (a)(1)	
Test Method:	ANSI C63.10:2013 and DA00-705	
Receiver setup:	RBW=30 kHz, VBW=100 kHz, detector=Peak	
Limit:	N/A	
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane	
Test Instruments:	Refer to section 5.8 for details	
Test mode:	Non-hopping mode	
Test results:	Pass	

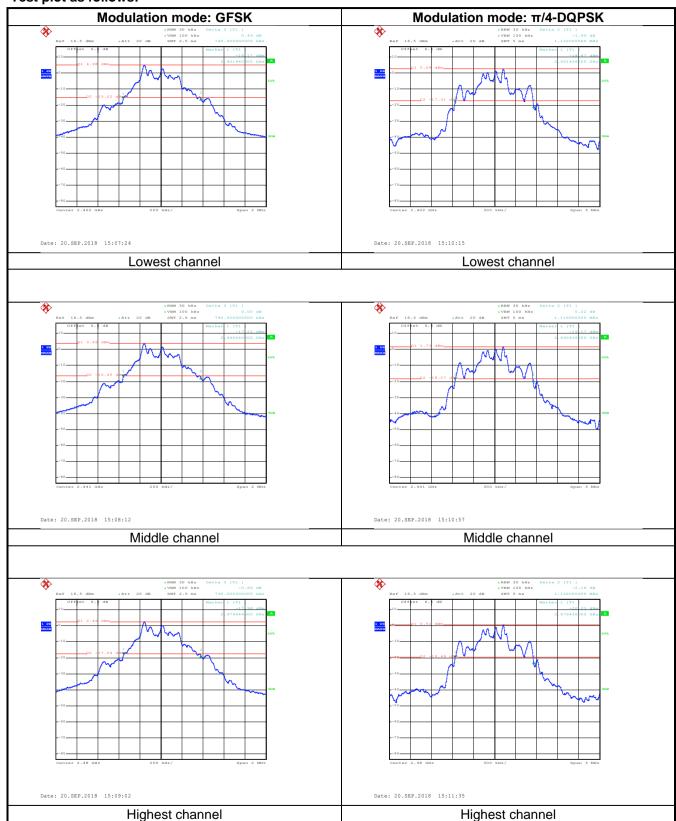
#### **Measurement Data:**

Toot channel	20dB Occupy Bandwidth (kHz)		
Test channel	GFSK	π/4-DQPSK	8DPSK
Lowest	740	1122	1176
Middle	740	1116	1176
Highest	736	1122	1176

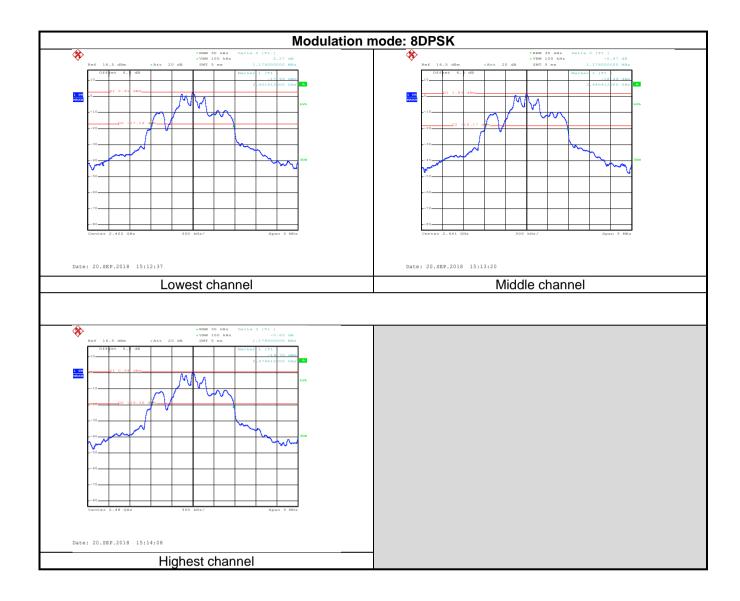




#### Test plot as follows:











6.5 Carrier Frequencies Separation

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Test Requirement:	FCC Part 15 C Section 15.247 (a)(1)	
Test Method:	ANSI C63.10:2013 and DA00-705	
Receiver setup:	RBW=100 kHz, VBW=300 kHz, detector=Peak	
Limit:	a) 0.025MHz or the 20dB bandwidth (whichever is greater)     b) 0.025MHz or 2/3 of the 20dB bandwidth (whichever is greater)	
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane	
Test Instruments:	Refer to section 5.8 for details	
Test mode:	Hopping mode	
Test results:	Pass	



#### **Measurement Data:**

Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result	
	GFSK			
Lowest	1004	736.00	Pass	
Middle	Middle 1004		Pass	
Highest	1004	736.00	Pass	
	π/4-DQPSK mode			
Lowest	1000	744.00	Pass	
Middle	1004	744.00	Pass	
Highest 1004		744.00	Pass	
8DPSK mode				
Lowest	1004	784.00	Pass	
Middle	1004	784.00	Pass	
Highest	1004	784.00	Pass	

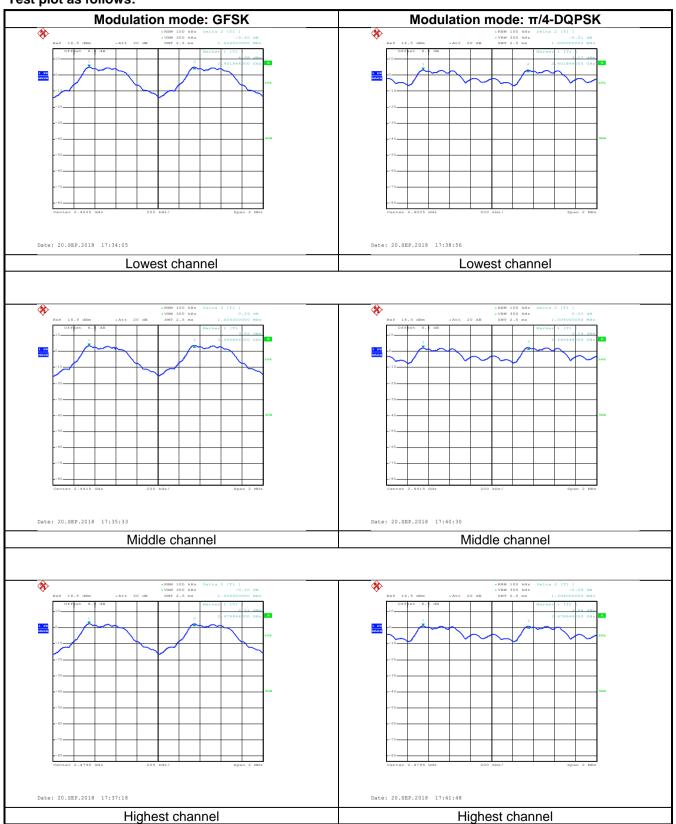
Note: According to section 6.4

		The state of the s	
Mode	20dB bandwidth (kHz) (worse case)	Limit (kHz) (Carrier Frequencies Separation)	
GFSK	736	736.00	
π/4-DQPSK	1116	744.00	
8DPSK	1176	784.00	

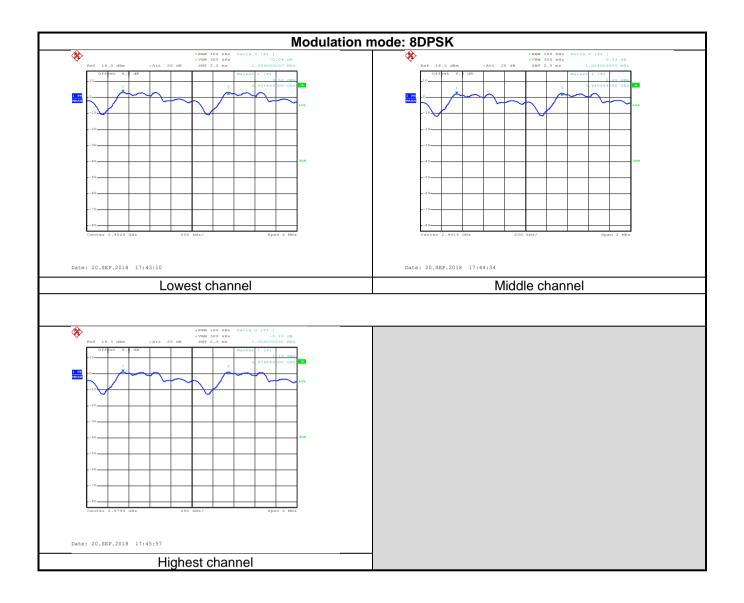




#### Test plot as follows:











**6.6 Hopping Channel Number** 

Test Requirement:	FCC Part 15 C Section 15.247 (a)(1)	
Test Method:	ANSI C63.10:2013 and DA00-705	
Receiver setup:	RBW=100 kHz, VBW=300 kHz, Frequency range=2400MHz-2483.5MHz, Detector=Peak	
Limit:	15 channels	
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane	
Test Instruments:	Refer to section 5.8 for details	
Test mode:	Hopping mode	
Test results:	Pass	

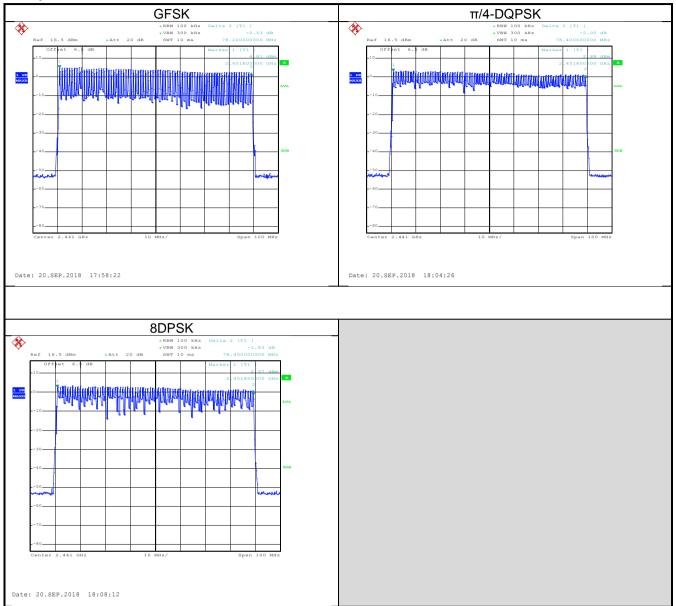
#### **Measurement Data:**

Mode	Hopping channel numbers	Limit	Result
GFSK, π/4-DQPSK, 8DPSK	79	15	Pass





#### Test plot as follows:





### 6.7 Dwell Time

Test Requirement:	FCC Part 15 C Section 15.247 (a)(1)	
Test Method:	ANSI C63.10:2013 and KDB DA00-705	
Receiver setup:	RBW=1 MHz, VBW=1 MHz, Span=0 Hz, Detector=Peak	
Limit:	0.4 Second	
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane	
Test Instruments:	Refer to section 5.8 for details	
Test mode:	Hopping mode	
Test results:	Pass	

### Measurement Data (Worse case):

Mode	Packet	Dwell time (second)	Limit (second)	Result
	DH1	0.13376		
GFSK	DH3	0.27456	0.4	Pass
	DH5	0.31573		
	2-DH1	0.13248		
π/4-DQPSK	2-DH3	0.26880	0.4	Pass
	2-DH5	0.31317		
	3-DH1	0.13120		
8DPSK	3-DH3	0.27264	0.4	Pass
	3-DH5	0.31573		

Note:

The test period = 0.4 Second/Channel x 79 Channel = 31.6 s

Calculation Formula: Dwell time = Ton time per hop \* Hopping numbers \* Period

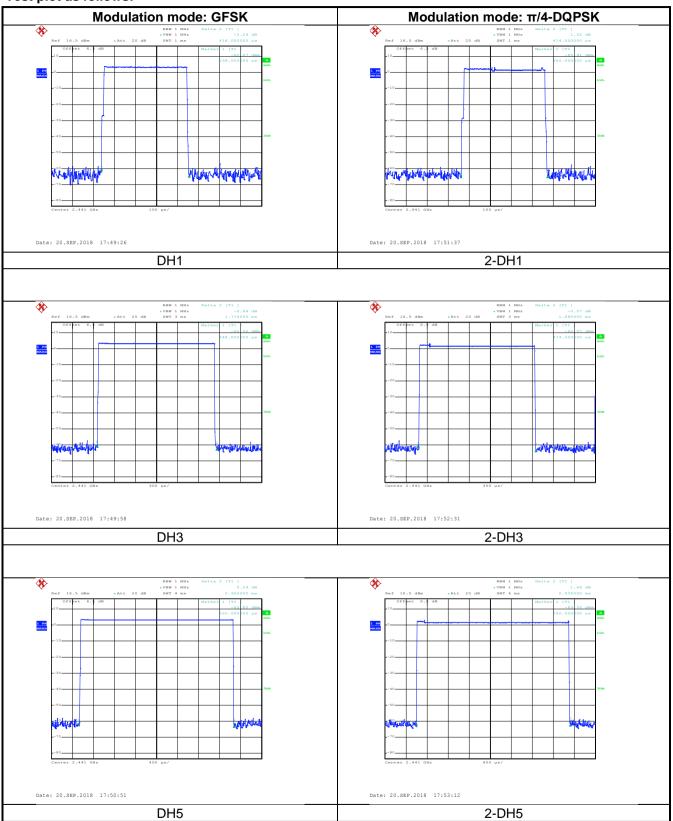
For example:

DH1 time slot=0.416\*(1600/(2\*79))\*31.6=133.12ms DH3 time slot=1.686\*(1600/(4\*79))\*31.6=269.76ms DH5 time slot=2.952\*(1600/(6\*79))\*31.6=314.88ms

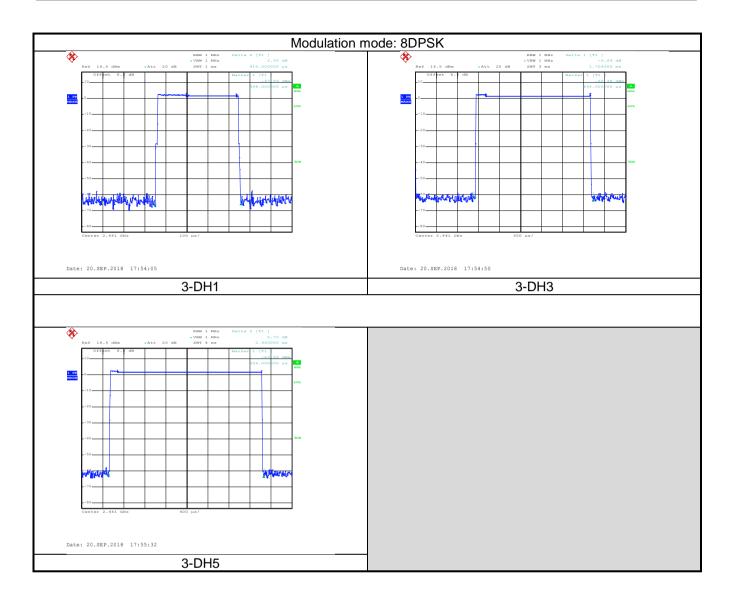




### Test plot as follows:







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# 6.8 Pseudorandom Frequency Hopping Sequence

# Test Requirement: FCC Part 15 C Section 15.247 (a)(1) requirement:

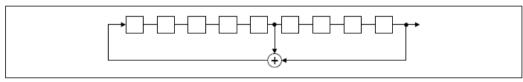
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Alternatively. Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

### **EUT Pseudorandom Frequency Hopping Sequence**

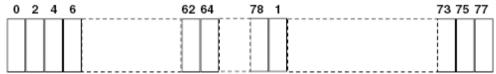
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones.

- · Number of shift register stages: 9
- Length of pseudo-random sequence: 29-1 = 511 bits
- Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.



# 6.9 Band Edge

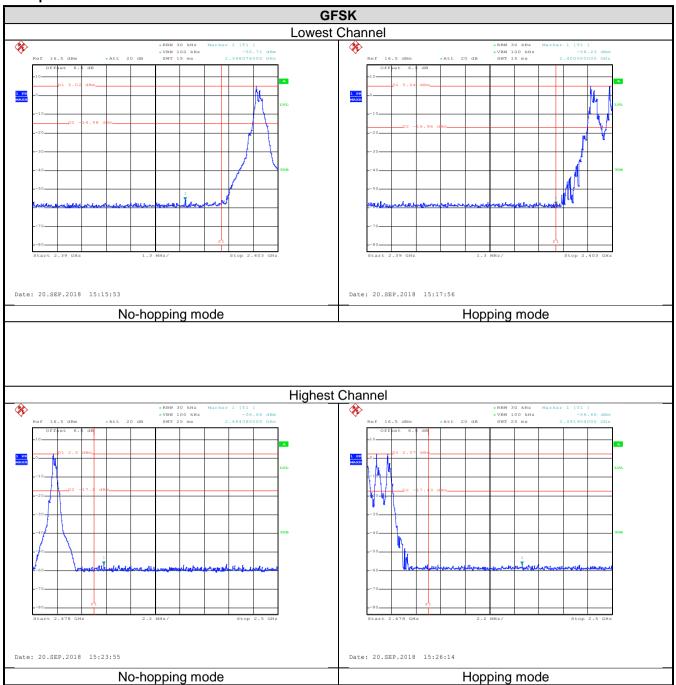
# 6.9.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and DA00-705
Receiver setup:	RBW=100 kHz, VBW=300 kHz, Detector=Peak
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  Ground Reference Plane
Test Instruments:	Refer to section 5.8 for details
Test mode:	Non-hopping mode and hopping mode
Test results:	Pass

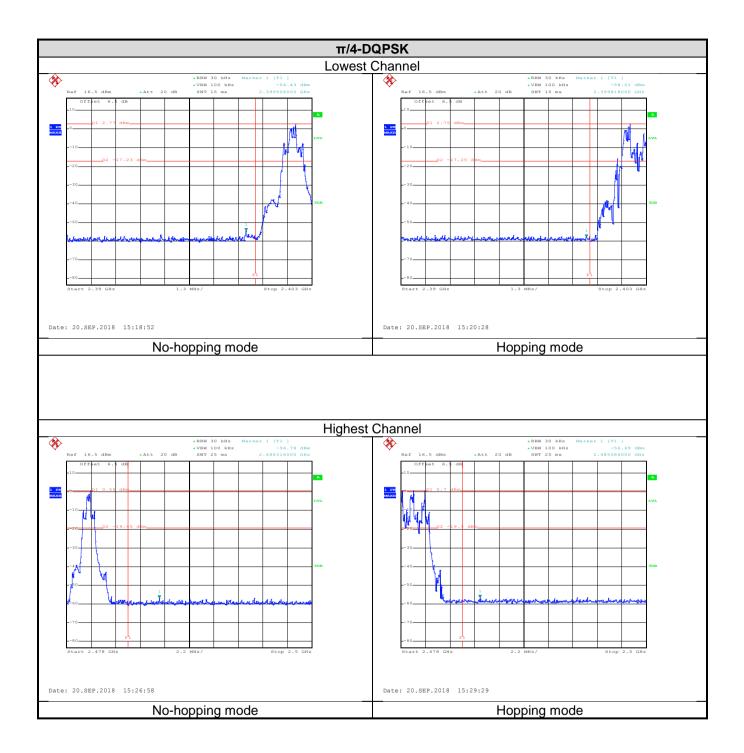




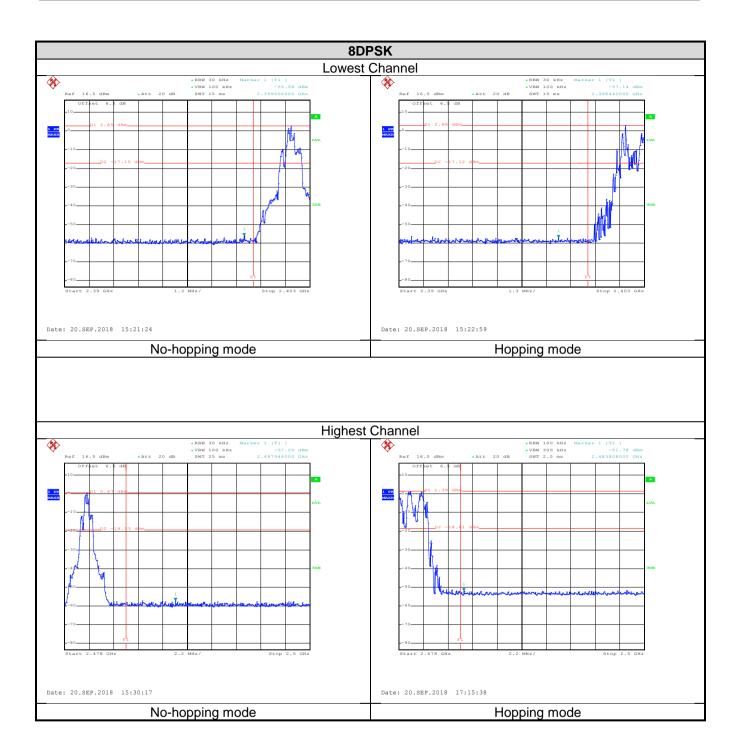
#### Test plot as follows:













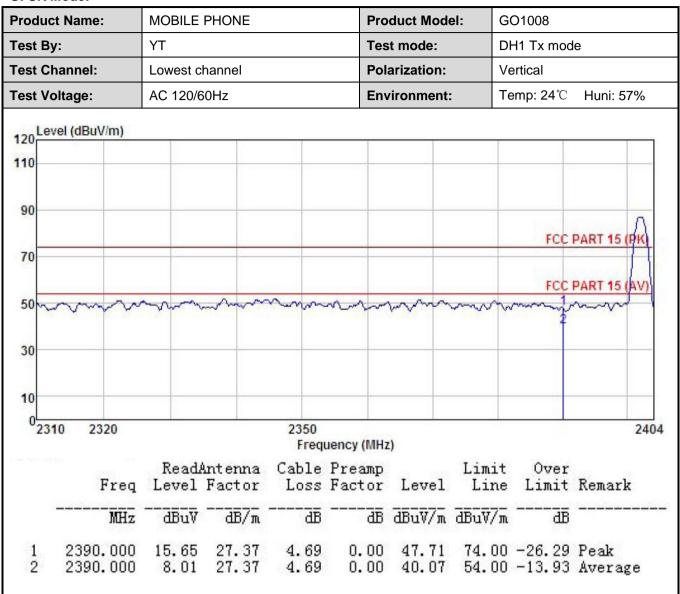
### 6.9.2 Radiated Emission Method

Test Requirement:	ECC D2件 1年 C	Section 1	5 200	and 15 205			
Test Method:	FCC Part 15 C Section 15.209 and 15.205  ANSI C63.10: 2013						
	2.3GHz to 2.5GHz						
1 , 0	3m						
Receiver setup:							
Receiver setup.							
	Above 1GHz						
Limit:							
Limit.							verage Value
	Above 1G	iHz		74.00			Peak Value
Test setup:	Horn Aritenna Tower  Ground Reference Plane  Test Receiver  Amplifier  Controller						
	ground at a determine the determine the 2. The EUT was antenna, who tower.  3. The antennate ground to deshorizontal armeasurement.  4. For each sure and then the and the rotal maximum refusion of the emission of the emiss	3 meter cane position as set 3 minutes as the set 3 minutes as the set of the	amber of the eters nounted warie he made was to turned with M of the Esting of the re-term of the eterm of th	r. The table wat he highest radial away from the away from the ed on the top of the ed on the EUT was to he he have to he he have to he he have to he he he have the have the he have the	ter to fanten	erence-liable-har four me field streen a are strunction as 10dE at the period that drag peak	receiving eight antenna sters above the ength. Both set to make the oits worst case or to 4 meters grees to find the son and solower than the eak values of the lid not have a quasi-peak or
Test Instruments:	Refer to section	n 5.8 for d	etails	·			
Test mode:	Non-hopping m	node					
Test results:	Passed						





#### **GFSK Mode:**



#### Remark:

<sup>1.</sup> Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

<sup>2.</sup> The emission levels of other frequencies are very lower than the limit and not show in test report.





Product Name: Test By:		MOBILE PHONE YT			Pro	duct Mod	el: G	GO1008			
					Tes	Test mode:		DH1 Tx mode			
Test Ch	nannel:	Lowest ch	nannel		Pol	Polarization:		Horizontal		Horizontal	
Test Vo	oltage:	AC 120/60Hz			Env	vironment:	: Те	emp: <b>24</b> ℃	Huni: 57%		
Lou	vol /dPu\//m\										
120	vel (dBuV/m)										
110											
90									A		
								FCC	PART 15 (PK)		
70											
70								FCC	PART 15 (AV)		
70 50~~	www.w	~~~~~	www.	ww.	~~~	m	~~~	FCC	PART 15 (AV)		
	v-	on on	~~~	m	m	mv	ww	FCC	PART 15 (AV)		
	· · · · · · · · · · · · · · · · · · ·	m	ww.		~~~	mv	~~~	FCC	PART 15 (AV)		
50~~		m	Jum	ww	~~~	www	~~~	FCC	PART 15 (AV)		
50~~	· · · · · · · · · · · · · · · · · · ·	man man	Jum	ww	~~~	~~~	~~~	FCC	PART 15 (AV)		
50 ~~ 30 10	10 2320	un un	Jum		~~~	~~~~	~~~~	FCC			
50 mg	10 2320	m	www.	2350	uency (MH:		~~~~	FCC	PART 15 (AV)		
50 ~~ 30 10		ReadA Level	untenna	2350 Frequ Cable	uency (MH: Preamp	z)	Limit Line	Over	2404		
50 ~~ 30 10			untenna	2350 Frequ Cable	uency (MH: Preamp Factor	z)	Line	Over Limit	2404		
50 ~~ 30 10	Freq	Level	untenna Factor	2350 Frequ Cable Loss	uency (MH: Preamp Factor dB	z) Level dBuV/m	Line	Over Limit	2404 Remark		

#### Remark:

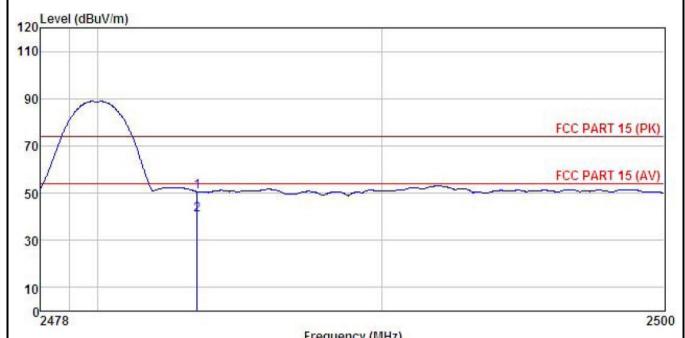
<sup>1.</sup> Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

<sup>2.</sup> The emission levels of other frequencies are very lower than the limit and not show in test report.





Product Name:	MOBILE PHONE	Product Model:	GO1008
Test By:	YT	Test mode:	DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq		Antenna Factor				Limit Line	Limit Over Line Limit	
	MHz	dBu∜	<u>dB</u> /m	d <u>B</u>	<u>ab</u>	$\overline{dBuV/m}$	dBu√/m	<u>dB</u>	
1 2	2483.500 2483.500	18.22		4.81					

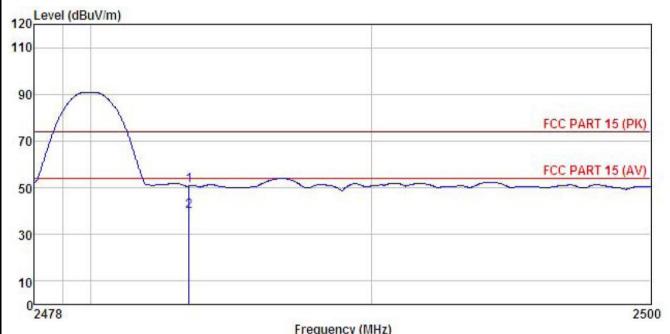
#### Remark:

- 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.





Product Name:	MOBILE PHONE	Product Model:	GO1008
Test By:	YT	Test mode:	DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



				Freq	uency (MH)	Z)			
	Freq		Antenna Factor				Limit Line		Remark
	MHz	dBu∜	<u>dB</u> /m		<u>dB</u>	$\overline{dBuV/m}$	$\overline{dBuV/m}$	<u>d</u> B	
1 2	2483.500 2483.500		27.57 27.57						

#### 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.





## π/4-DQPSK mode

roduc	ct Name:	MOBILE F	PHONE		Pro	duct Mode	el: G	GO1008		
est B	y:	YT				t mode:	20	DH1 Tx mo	de	
est C	hannel:	Lowest channel				arization:	Ve	Vertical		
est V	oltage:	AC 120/60	 0Hz		Env	vironment:	Te	emp: 24℃	Huni: 57%	
20 Le	vel (dBuV/m)		177							
110										
90									16.20	
								FCC	PART 15 (PK)	
		- 12				-		rcci	PART 13 (FR)	
70									1 3	
70								ECC	DART 15 (AVA)	
	00/	Va	^_		_ ^ _	0.000		FCC	PART 15 (AV)	
50	m	mark	v~~~	mm	~~~	v	v.	FCC	PART 15 (AV)	
50~	m	~~~~~	vm^~	~~~	~~~	Varia	Auran	FCC	PART 15 (AV)	
	m	~~~~~~	~~~	~~~		www	~~~~	FCC	PART 15 (AV)	
50 ~ 30	-m-ma	~~~~~	~~~	~~~		Carrier Constitution of the Constitution of th	~~~~	FCC	PART 15 (AV)	
50 × 30	and the second	~~~~	vm^^	~~~~		······································	Vurun	FCC	PART 15 (AV)	
50 × 30	10 2320	more	~~~	2350		un.	v	FCC	PART 15 (AV)	
50 ~ 30	10 2320			Frequ	uency (MHz		Ammun V		240	
50 × 30		ReadA	ntenna	Frequ Cable	Preamp	150 0000		Over	240	
50 × 30	Freq	ReadA Level	intenna Factor	Frequ Cable Loss	Preamp Factor	Level	Line	Over Limit	240 Remark	
50 × 30		ReadA	ntenna	Frequ Cable	Preamp Factor	150 0000	Line	Over Limit	240 Remark	
50 × 30	Freq	ReadA Level	ntenna Factor	Frequ Cable Loss	Preamp Factor dB	Level	Line	Over Limit	240 Remark	

### Remark:

<sup>1.</sup> Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

<sup>2.</sup> The emission levels of other frequencies are very lower than the limit and not show in test report.





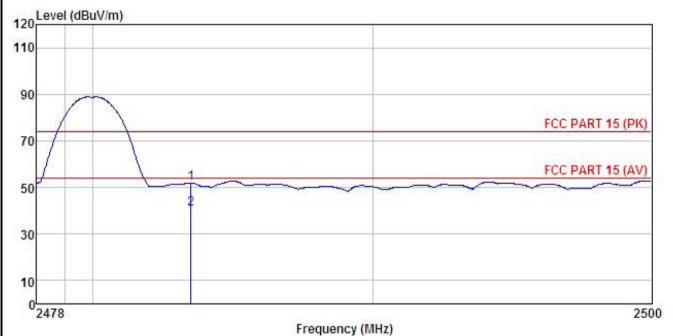
roduct Name:	MOBILE F	PHONE		Pro	duct Mod	lel:	GO1008				
est By:		YT			Tes	st mode:	2	2DH1 Tx m	ode		
est Ch	annel:	Lowest ch	annel		Pol	larization:	H	Horizontal			
est Vol	tage:	AC 120/60	)Hz		En	vironment	t: T	Γemp: <b>24</b> ℃	Huni: 5	uni: 57%	
Leve	el (dBuV/m)										
10											
90										Λ	
								ECC	C PART 15	(IDIC)	
								rct	C PART 15	THE	
70		- 12									
70								FCC	C PART 15	(AV)	
70 50 ~^	~~~~~	~ ~~~	~~~~	٠	mm.	~ ~^~~~	V-10/00	FC	C PART 15	(AV)	
	~~~~	~~~~	~~~~	···	min	~~~	nn	FC	C PART 15	(AV)	
	~~~~	~~~~	~~~	·~~	mm	~~~	www	FC	C PART 15	(AV)	
50~~	~~~~~	~~~~	~~~	···	mm	~~	www	FC	C PART 15	(AV)	
50~~		~~~~	~~~	···	mm	~~	~~~	FC	C PART 15	(AV)	
50 ~~\ 30 10	2320		~~~~	2350	m		~~~	FC	C PART 15		
50 ~\ 30 10	2320		~~~~	2350 Freq	uency (MH	Z)	~~~	FC	C PART 15	(AV)	
50 ~~\ 30 10	2320	D J.	<b>~~~</b>	Freq		165	····				
50 ~~\ 30 10		ReadA Level		Freq Cable	Preamp		Limit Line				
50 ~~\ 30 10				Freq Cable	Preamp Factor		Line	Over Limit	Remark		
50 ~~\ 30 10	Freq	Level	Factor — <u>dB/m</u>	Freq Cable Loss	Preamp Factor dB	Level dBuV/m 48.29	Line dBuV/m 74.00	Over Limit	Remark 	240	

- 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.





Product Name:	MOBILE PHONE	Product Model:	GO1008
Test By:	YT	Test mode:	2DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq		Antenna Factor						
	MHz	dBu∜		<u>ab</u>	<u>ab</u>	$\overline{dBuV/m}$	dBu√/m	<u>dB</u>	
1	2483.500								
2	2483.500	8.54	27.57	4.81	0.00	40.92	54.00	-13.08	Average

- 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.





Product Name:	MOBILE I	PHONE		Pro	duct Mod	el: G	GO1008		
Γest By:		YT			Tes	st mode:	21	DH1 Tx mo	ode
est Chai	nnel:	Highest c	hannel		Pol	arization:	Н	lorizontal	
est Volta	age:	AC 120/60Hz			Env	Environment: Temp: 24°C			Huni: 57%
Level	(dBuV/m)								
110									
110									1
90									
/								FCC	PART 15 (PK)
(									The to be to
70									
70								FCC	PART 15 (AV)
70 50		+		<u> </u>				FCC	PART 15 (AV)
50		2		~		~~	- 100 mg	FCC	PART 15 (AV)
/		2		~		~~		FCC	PART 15 (AV)
30		2					p. 15.1 145	FCC	PART 15 (AV)
50 30 10		2						FCC	
50 30 10		2		Freq	uency (MHz	z)		FCC	PART 15 (AV)
50 30 10		ReadA	unt enna				Limit		
50 30 10	Freq	ReadA Level	intenna Factor	Cable	Preamp	z) Level	Limit Line	Over	250
50 30 10	Freq	ReadA Level	untenna Factor	Cable	Preamp Factor		Line	Over Limit	250
50 30 10 0 2478		Level	Factor 	Cable Loss	Preamp Factor dB	Level  dBuV/m  50.08	Line dBuV/m 74.00	Over Limit ———————————————————————————————————	250 Remark

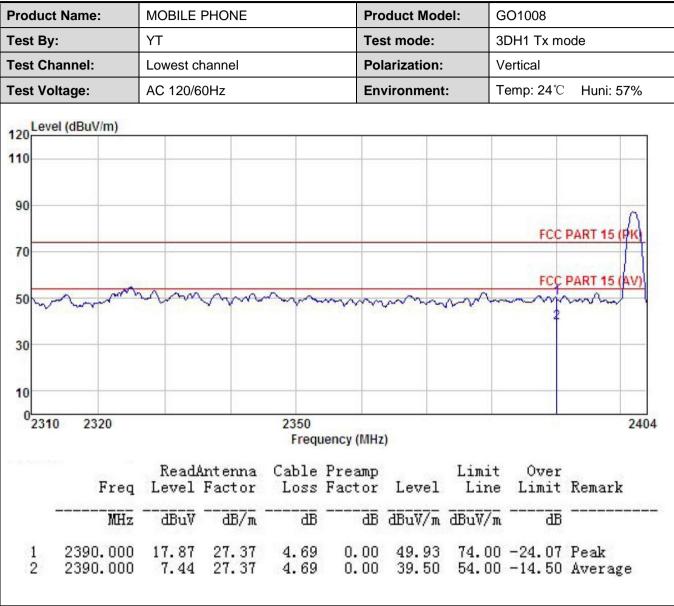
<sup>1.</sup> Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

<sup>2.</sup> The emission levels of other frequencies are very lower than the limit and not show in test report.





### 8DPSK mode



### 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.





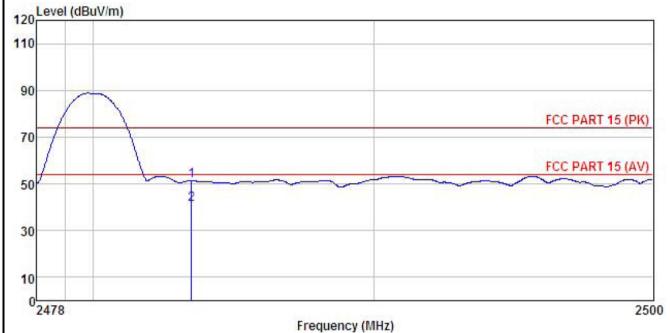
Product Name:		MOBILE PHONE			Produc	t Model	l: G	GO1008		
Test B	y:	YT	Test m	ode:	3	3DH1 Tx mode				
Test C	hannel:	Lowest ch	Polariz	Polarization:		Horizontal				
Test Vo	oltage:	AC 120/6	0Hz		Enviro	nment:	Т	emp: <b>24</b> ℃	Huni: 5	57%
Lev	vel (dBuV/m)						·			
ALTERNA N	ror (abarrin)									
110										
										Λ
90								Facili		
70								FCC	PART 15	PK)
70										
								FCC	PART 15	AV)
50		me .	~~~	A 00 A			A .	1.		
50~	~~~~	m	man.	mm	mm	~~~	M	my	man	
	~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Van van	mmm	man	~~~	M.		m	
50 A	~~~~			ar marine	~~~~~	m	ww		money	
30	~~~~		- Common of the	war			M		m	
30			- marine			~~~	M			
30			- marine	2350	ncy (MHz)	~~~	· V			2404
30		P10		2350 Frequen	ncy (MHz)		· · · · · · · · · · · · · · · · · · ·	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		2404
30	10 2320		ntenna	2350	ncy (MHz)			Over Limit		
30	10 2320 Freq	Level	ntenna Factor	2350 Frequen Cable P Loss F	ncy (MHz) reamp actor L	evel	Line	Limit	Remar	
30	10 2320	Level	ntenna	2350 Frequen Cable P Loss F	ncy (MHz)	evel	Line	Limit	Remar	
30	10 2320 Freq	Level dBuV	ntenna Factor dB/m	2350 Frequen Cable P Loss F	ncy (MHz) reamp actor L dB dB	evel uV/m ∂ 8.72	Line BuV/m 74.00	Limit ———————————————————————————————————	Remar!	

- 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.





Product Name:	MOBILE PHONE	Product Model:	GO1008
Test By:	YT	Test mode:	3DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%
120 Level (dBuV/m)		VI	



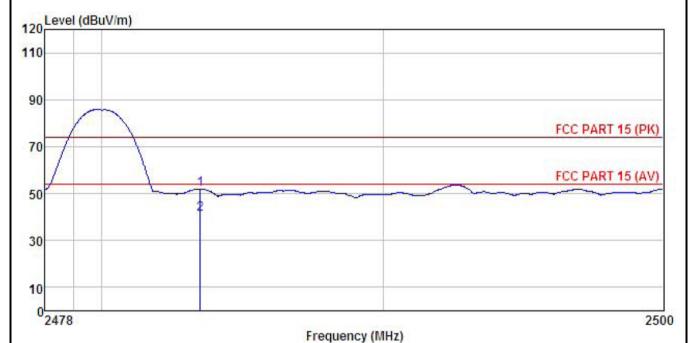
	Freq		Antenna Factor						
-	MHz	dBu₹	dB/m	d <u>B</u>	<u>dB</u>	$\overline{dBuV/m}$	dBuV/m	<u>dB</u>	
1	2483,500 2483,500								

- 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.





Product Name: MC	OBILE PHONE	Product Model:	GO1008
Test By:	Т	Test mode:	3DH1 Tx mode
Test Channel: High	lighest channel	Polarization:	Horizontal
Test Voltage: AC	C 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq		Antenna Factor						
	MHz	dBu∜	<u>dB</u> /m	dB	<u>dB</u>	$\overline{dBuV/m}$	$\overline{dBuV/m}$	<u>dB</u>	
1 2	2483.500 2483.500								

- 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.



# 6.10 Spurious Emission

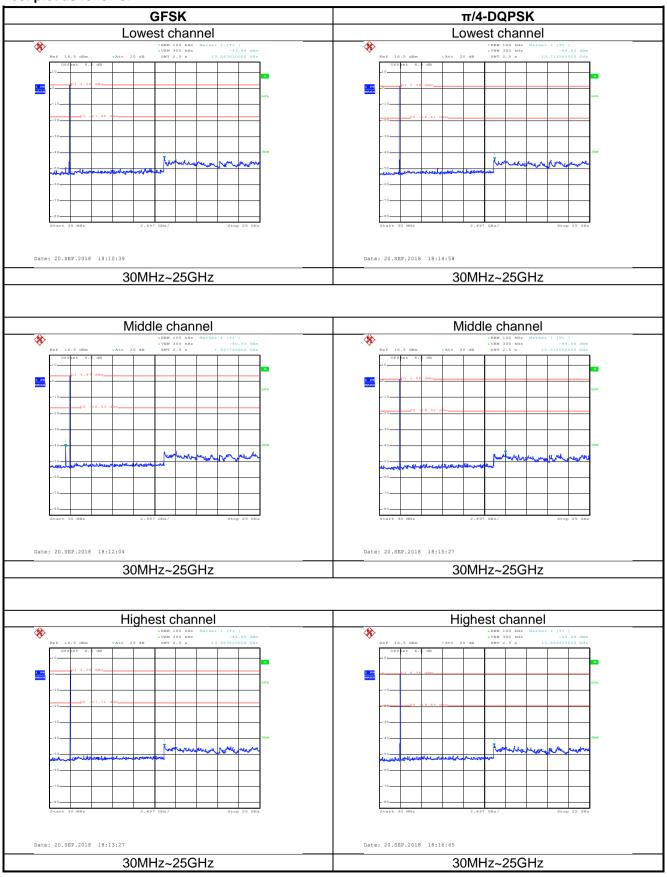
## 6.10.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)					
Test Method:	ANSI C63.10:2013 and DA00-705					
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  Ground Reference Plane					
Test Instruments:	Refer to section 5.8 for details					
Test mode:	Non-hopping mode					
Test results:	Pass					

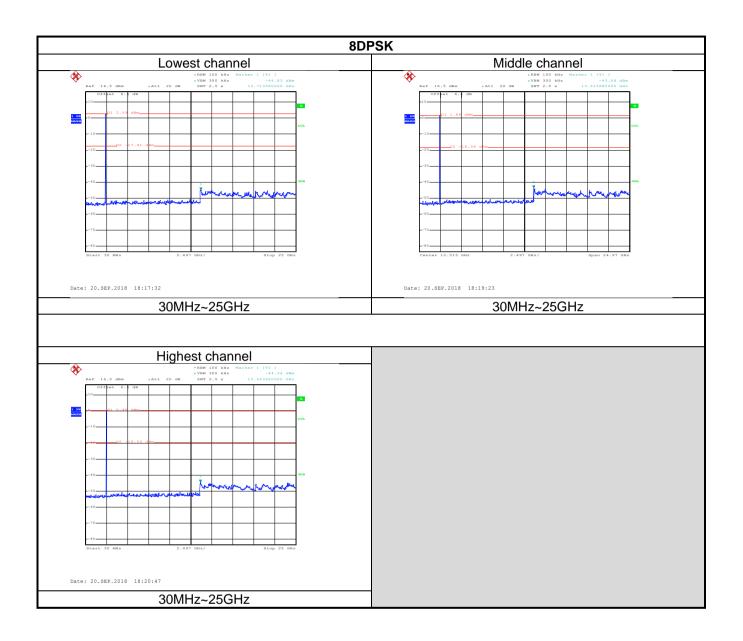




## Test plot as follows:











## 6.10.2 Radiated Emission Method

6.10.2 Radiated Emission Me	ethod							
Test Requirement:	FCC Part 15 C	Section 15	5.209	)				
Test Method:	ANSI C63.10: 2	013						
Test Frequency Range:	9 kHz to 25 GH:	z						
Test Distance:	3m							
Receiver setup:	Frequency	Detect	or	RBW	VBV	٧	Remark	
	30MHz-1GHz	Quasi-p	eak	120kHz	300kl	Hz	Quasi-peak Value	
	Above 1GHz	Peak	(	1MHz	3МН	lz	Peak Value	
	Above 1GHz	RMS	5	1MHz	3МН	lz	Average Value	
Limit:	Frequenc	:y	Lim	it (dBuV/m @	⊉3m)		Remark	
	30MHz-88N	ИHz		40.0			Quasi-peak Value	
	88MHz-216	MHz		43.5			Quasi-peak Value	
	216MHz-960	MHz		46.0			Quasi-peak Value	
	960MHz-10	SHz		54.0			Quasi-peak Value	
	Above 1GI	<b>∐</b> -5		54.0			Average Value	
	Above 1GI	ΠΖ		74.0			Peak Value	
	7777777	urn 0.8m	4m				Antenna Tower  Search Antenna  7 Test ceiver	
	Above 1GHz  Above 1GHz  Horn Antenna Tower  (Turntable)  Ground Reference Plane  Test Receiver  Test Receiver							
Test Procedure:							.8m(below 1GHz) chamber. The table	





	was rotated 360 degrees to determine the position of the highest radiation.		
	<ol><li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li></ol>		
	<ol> <li>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.</li> </ol>		
	4. 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.		
	<ol><li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li></ol>		
	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.		
Test Instruments:	Refer to section 5.8 for details		
Test mode:	Non-hopping mode		
Test results:	Pass		
Remark:	<ol> <li>Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case.</li> <li>9 kHz to 30 MHz is noise floor, so only shows the data of above</li> </ol>		
	30MHz in this report.		

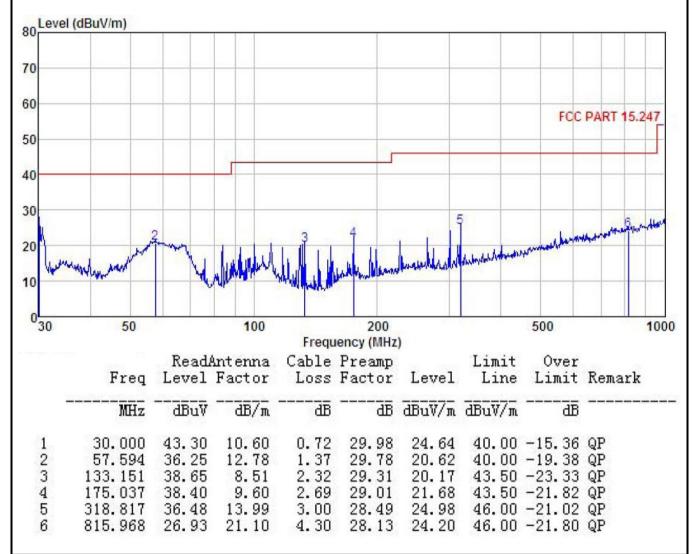




## Measurement Data (worst case):

### **Below 1GHz:**

Product Name:	MOBILE PHONE	Product Model:	GO1008
Test By:	YT	Test mode:	BT Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



### 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.





Product Name:		MOBILE PHONE			Pro	Product Model:		GO1008		
Test By:		YT			Tes	st mode:	E	BT Tx mode Horizontal		
Test Fre	quency:	30 MHz -	~ 1 GHz		Pol	arization:	ŀ			
Test Voltage:		AC 120/6	60Hz		Env	/ironment:	: 7	Temp: 24℃ Huni: 57%		
Lovel	(dDuller)				•		•			
80 Level	(dBuV/m)									
70										
70										
60										
								FC	C PART 15	.247
50										
40										
10										
30							-			3 14
					4		-	afternative state	methodology of the state of the	Endan M
20			1				I have	de adoptifique		
N.	2		9		1 1	distriction kar	Mary Mary Mary			
10	yelv tegger rangely let	They worker .	way to be a second	Maryana will	Market Harry	Athhramon	A Company			
10	make bearing many shalled	"Mederal Marchine	- recorded to the party	unarman willed	Adversary of the second	offichensernopol	Note that the state of the			
10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	halve branch range la Mil	"he fortherme	- TOO	unas apropried to	Andread Spare	official and a series of the s	of the same of the	500		1000
	50		100		uency (MH	z)		500		
		Read	100 Antenna	Cable	uency (MH Preamp	z)	Limit	500 Over		1000
	50 Freq	Read	100	Cable	uency (MH	z)		500 Over	Remark	1000
		Read	100 Antenna	Cable	uency (MH Preamp Factor	z)	Limit Line	500 Over Limit		1000
030	Freq MHz	Read/ Level dBuV	100 Antenna Factor dB/m	Cable Loss dB	uency (MH Preamp Factor dB	z) Level dBuV/m	Limit Line	500 Over Limit	Remark	1000
030	Freq MHz 30.211 54.452	Read! Level dBuV 36.74 29.01	100 Antenna Factor — dB/m 10.65 13.30	Cable Loss dB 0.72 1.34	uency (MH Preamp Factor dB 29.98 29.80	z) Level dBuV/m 18.13 13.85	Limit Line dBuV/m 40.00	500 Over Limit ———————————————————————————————————	Remark  QP QP	1000
030	Freq MHz 30.211 54.452 109.412	Read! Level dBuV 36.74 29.01 29.51	100 Antenna Factor dB/m 10.65 13.30 12.27	Cable Loss dB 0.72 1.34 2.04	uency (MH Preamp Factor dB 29.98 29.80 29.46	Level  dBuV/m  18.13 13.85 14.36	Limit Line dBuV/m 40.00 40.00 43.50	500 Over Limit ———————————————————————————————————	Remark QP QP QP QP	1000
	Freq MHz 30.211 54.452	Read! Level dBuV 36.74 29.01	100 Antenna Factor — dB/m 10.65 13.30	Cable Loss dB 0.72 1.34	uency (MH Preamp Factor dB 29.98 29.80	Level  dBuV/m  18.13 13.85 14.36	Limit Line dBuV/m 40.00 40.00 43.50 43.50	500 Over Limit ———————————————————————————————————	Remark QP QP QP QP QP	1000

<sup>1.</sup> Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

<sup>2.</sup> The emission levels of other frequencies are very lower than the limit and not show in test report.





### **Above 1GHz:**

ADOVE IGHZ	•							
				annel: Lowe				
			De	tector: Peak	Value		T	
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	49.58	30.85	6.80	41.81	45.42	74.00	-28.58	Vertical
4804	48.72	30.85	6.80	41.81	44.56	74.00	-29.44	Horizontal
			Dete	ctor: Averaç	ge Value			
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	39.62	30.85	6.80	41.81	35.46	54	-18.54	Vertical
4804.00	38.55	30.85	6.80	41.81	34.39	54	-19.61	Horizontal
				annel: Mido				
		1		tector: Peak	Value		T	
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
4882.00	48.19	31.20	6.86	41.84	44.41	74.00	-29.59	Vertical
4882.00	49.45	31.20	6.86	41.84	45.67	74.00	-28.33	Horizontal
			Dete	ctor: Averaç	ge Value			
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
4882.00	39.62	31.20	6.86	41.84	35.84	54.00	-18.16	Vertical
4882.00	38.54	31.20	6.86	41.84	34.76	54.00	-19.24	Horizontal
				annel: Highe				
1		1		tector: Peak	Value		ı	
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	49.78	31.63	6.91	41.87	46.45	74.00	-27.55	Vertical
4960.00	48.15	31.63	6.91	41.87	44.82	74.00	-29.18	Horizontal
			Dete	ctor: Averaç	ge Value			
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	39.69	31.63	6.91	41.87	36.36	54.00	-17.64	Vertical
4960.00	38.55	31.63	6.91	41.87	35.22	54.00	-18.78	Horizontal

### Remark:

<sup>1.</sup> Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

<sup>2.</sup> The emission levels of other frequencies are very lower than the limit and not show in test report.