

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.: GO182

Trade mark: GOMOBILE

FCC ID: 2AHDFGO182

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

Date of sample receipt: 01 Jun., 2016

Date of Test: 01 Jun., to 12 Jun., 2016

Date of report issued: 13 Jun., 2016

Test Result: PASS*

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

Authorized Signature:



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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2 Version

Version No.	Date	Description
00	13 Jun., 2016	Original

Tested by: Zora Lee Date: 13 Jun., 2016

Test Engineer

Reviewed by: Date: 13 Jun., 2016

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)(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
Radiated Emission	15.205/15.209	Pass
Band Edge	15.247(d)	Pass

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



Report No: CCISE160600402

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:	UTIME TECHNOLOGY (HK) COMPANY LIMITED
Address of Manufacturer:	RM 604 KAI WONG COMM BLDG 222 QUEEN'S RD CENTRAL HONG KONG

5.2 General Description of E.U.T.

Product Name:	Mobile Phone
Model No.:	GO182
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:	-3.83 dBi
Power supply:	Rechargeable Li-ion Battery DC3.7V-600mAh
AC adapter:	Input: AC100-240V 50/60Hz 0.1A Output: DC 5.0V, 0.5A





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	
6	2408MHz	26	2428MHz	46	2448MHz	66	2468MHz	
7	2409MHz	27	2429MHz	47	2449MHz	67	2469MHz	
8	2410MHz	28	2430MHz	48	2450MHz	68	2470MHz	
9	2411MHz	29	2431MHz	49	2451MHz	69	2471MHz	
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz	
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz	
12	2414MHz	32	2434MHz	52	2454MHz	72	2474MHz	
13	2415MHz	33	2435MHz	53	2455MHz	73	2475MHz	
14	2416MHz	34	2436MHz	54	2456MHz	74	2476MHz	
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 2421MHz 39 2441MHz 59 2461MHz								



Report No: CCISE160600402

5.3 Test mode

Transmitting mode:	Keep the EUT in transmitting mode with worst case data rate.
Remark	GFSK (1 Mbps) is the worst case mode.

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 Measurement Uncertainty

Items	Expanded Uncertainty (Confidence of 95%)
Conducted Emission (9kHz ~ 30MHz)	2.14 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	4.24 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	4.35 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	4.44 dB (k=2)
Radiated Emission (18GHz ~ 26.5GHz)	4.56 dB (k=2)

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





5.7 Test Instruments list

Radia	Radiated Emission:									
Item	Test Equipment	Manufacturer	Manufacturer Model 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	03-25-2016	03-25-2017				
3	Horn Antenna	SCHWARZBECK	BBHA9120D	CCIS0006	03-25-2016	03-25-2017				
4	Pre-amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2016	03-31-2017				
5	Pre-amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	04-01-2016	03-31-2017				
6	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	04-01-2016	03-31-2017				
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	04-01-2016	03-31-2017				
8	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP30	CCIS0023	03-28-2016	03-28-2017				
9	EMI Test Receiver	Rohde & Schwarz	ESRP7	CCIS0167	03-28-2016	03-28-2017				
10	Loop antenna	Laplace instrument	RF300	EMC0701	04-01-2016	03-31-2017				
11	EMI Test Software	AUDIX	E3	N/A	N/A	N/A				

Cond	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	03-24-2016	03-24-2017					
3	LISN	CHASE	MN2050D	CCIS0074	03-26-2016	03-26-2017					
4	Coaxial Cable	CCIS	N/A	CCIS0086	04-01-2016	03-31-2017					
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 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 integral antenna which permanently attached, and the best case gain of the antenna is -3.83 dBi.







6.2 Conducted Emissions

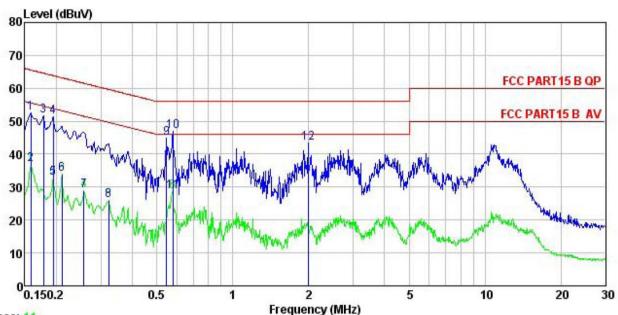
Test Requirement:	FCC Part 15 C Section 1	5.207					
Test Method:	ANSI C63.4:2014						
Test Frequency Range:	150 kHz to 30 MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9 kHz, VBW=30 k	Hz. Sweep time=auto					
Limit:	Frequency range	Limit (dBuV)				
Littit.	(MHz) Quasi-peak Averag						
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	46					
	0.5-5 56 46 5-30 60 50						
	* Decreases with the log	arithm of the frequency.					
Test setup:	Reference	e Plane					
	AUX Equipment E.U.T Filter AC power EMI Receiver Remark E.U.T Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m						
Test procedure:	 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. 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: 2014 on conducted measurement. 						
Test Instruments:	Refer to section 5.7 for details						
Test mode:	Bluetooth (Continuous transmitting) mode						
Test results:	Pass						





Measurement Data:

Line:



Trace: 11

Site

: CCIS Shielding Room : FCC PART15 B QP LISN LINE : Mobile Phone Condition

EUT Model : G0182

Test Mode : BT mode Power Rating : AC120/60Hz

Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: Zora

Remark

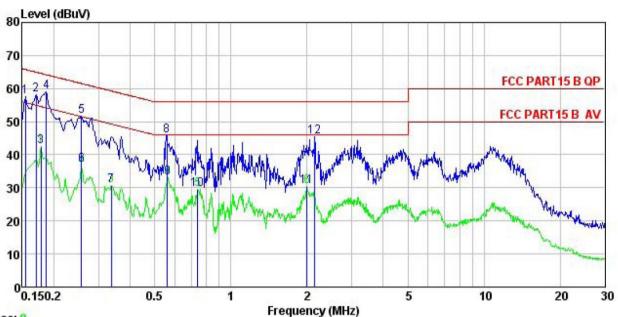
CHILLE	Freq	Read Level	LISN Factor	Cable Loss		Limit Line	Over Limit	Remark
	MHz	dBu∜	<u>dB</u>	dB	dBu₹	dBu∇	<u>ab</u>	
1	0.158	41.50	0.14	10.78	52.42	65.56	-13.14	QP
2	0.158	25.91	0.14	10.78	36.83	55.56	-18.73	Average
1 2 3 4 5 6 7 8 9	0.178	40.84	0.15	10.77	51.76	64.59	-12.83	QP
4	0.194	40.45	0.15	10.76	51.36	63.84	-12.48	QP
5	0.194	21.80	0.15	10.76	32.71	53.84	-21.13	Average
6	0.211	22.99	0.15	10.76	33.90	53.18	-19.28	Average
7	0.258	17.89	0.16	10.75	28.80	51.51	-22.71	Average
8	0.322	15.10	0.18	10.73	26.01	49.66	-23.65	Average
9	0.546	33.93	0.26	10.76	44.95	56.00	-11.05	QP
10	0.579	35.79	0.27	10.77	46.83	56.00	-9.17	QP
11	0.579	17.60	0.27	10.77	28.64	46.00	-17.36	Average
12	1.991	32.04	0.32	10.96	43.32	56.00	-12.68	QP

- 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.

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Neutral:



Trace: 9

Site

: CCIS Shielding Room : FCC PART15 B QP LISN NEUTRAL Condition

EUT : Mobile Phone Model : G0182

Test Mode : BT mode Power Rating : AC120/60Hz Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: Zora Remark

Nemal K	Freq	Read Level	LISN Factor	Cable Loss		Limit Line	Over Limit	Remark	
	MHz	dBu∜	<u>d</u> B	₫B	dBu₹	dBu₹	<u>dB</u>		
1	0.154	46.63	0.12	10.78	57.53	65.78	-8.25	QP	
2	0.170	47.19	0.13	10.77	58.09	64.94	-6.85	QP	
3	0.178	31.49	0.14	10.77	42.40	54.59	-12.19	Average	
1 2 3 4 5 6 7 8 9	0.186	48.06	0.14	10.76	58.96	64.20	-5.24	QP	
5	0.258	40.77	0.17	10.75	51.69	61.51	-9.82	QP	
6	0.258	25.95	0.17	10.75	36.87	51.51	-14.64	Average	
7	0.337	19.75	0.21	10.73	30.69	49.27	-18.58	Average	
8	0.558	34.72	0.27	10.77	45.76	56.00	-10.24	QP	
9	0.561	22.05	0.27	10.77	33.09	46.00	-12.91	Average	
10	0.739	18.44	0.32	10.79	29.55	46.00	-16.45	Average	
11	2.001	19.10	0.26	10.96	30.32	46.00	-15.68	Average	
12	2.144	34.26	0.27	10.95	45.48	56.00	-10.52	QP	

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.

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6.3 Conducted Output Power

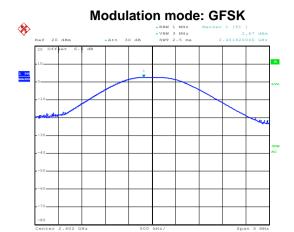
Test Requirement:	FCC Part 15 C Section 15.247 (b)(1)		
Test Method:	ANSI C63.10:2013 and DA00-705		
Receiver setup:	RBW=1MHz, VBW=3MHz, Detector=Peak (If 20dB BW ≤1 MHz) RBW=3MHz, VBW=10MHz, Detector=Peak (If 20dB BW > 1 MHz and < 3MHz)		
Limit:	125 mW(21 dBm)		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 5.7 for details		
Test mode:	Non-hopping mode		
Test results:	Pass		

Measurement Data:

	GFSK mode				
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result		
Lowest	2.67	21.00	Pass		
Middle	3.00	21.00	Pass		
Highest	3.33	21.00	Pass		
	π/4-DQPSK	mode			
Test channel	Test channel Peak Output Power (dBm)		Result		
Lowest	Lowest 1.26		Pass		
Middle	Middle 1.87		Pass		
Highest 2.05		21.00	Pass		
	8DPSK mo	ode			
Test channel	Test channel Peak Output Power (dBm)		Result		
Lowest	1.23	21.00	Pass		
Middle	1.87	21.00	Pass		
Highest 2.15 21.00 Pass					

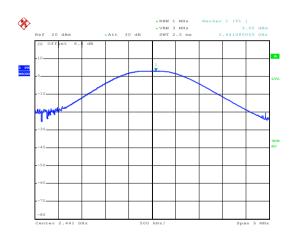


Test plot as follows:



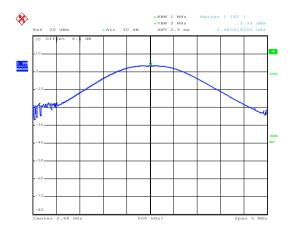
Date: 2.JUN.2016 11:35:33

Lowest channel



Date: 2.JUN.2016 11:36:15

Middle channel



Date: 2.JUN.2016 11:36:46

Highest channel

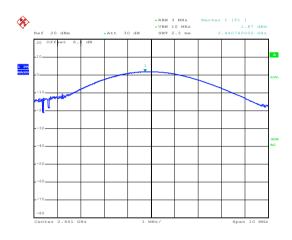






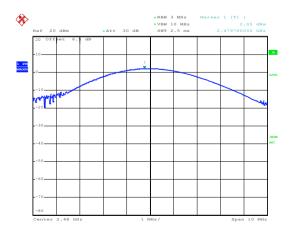
Date: 2.JUN.2016 11:38:03

Lowest channel



Date: 2.JUN.2016 11:38:49

Middle channel

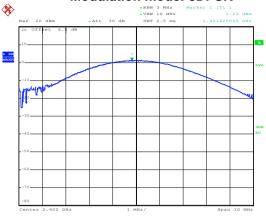


Date: 2.JUN.2016 11:39:37

Highest channel

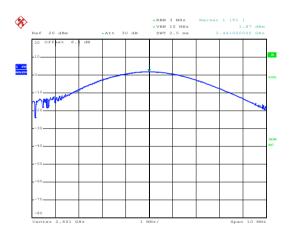






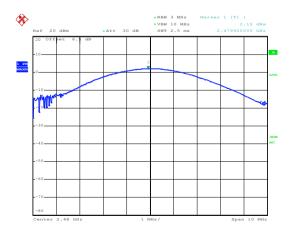
Date: 2.JUN.2016 11:41:06

Lowest channel



Date: 2.JUN.2016 11:40:34

Middle channel



Date: 2.JUN.2016 11:40:07

Highest channel





6.420dB Occupy Bandwidth

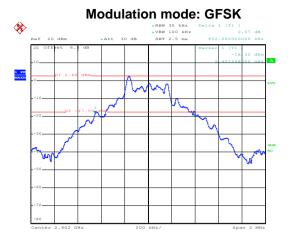
Test Requirement:	FCC Part 15 C Section 15.247 (a)(1)		
Test Method:	ANSI C63.10:2013 and DA00-705		
Receiver setup:	RBW=30 kHz, VBW=100 kHz, detector=Peak		
Limit:	NA		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 5.7 for details		
Test mode:	Non-hopping mode		
Test results:	Pass		

Measurement Data:

Toot about al	20dB Occupy Bandwidth (kHz)			
Test channel	GFSK	π/4-DQPSK	8DPSK	
Lowest	852	1124	1172	
Middle	844	1120	1172	
Highest	760	1120	1172	

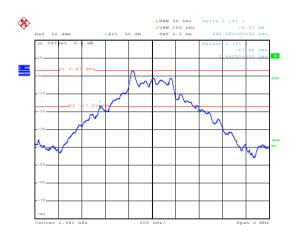


Test plot as follows:



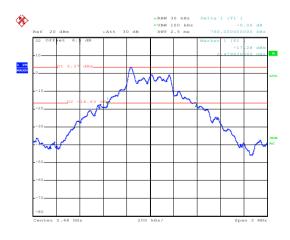
Date: 2.JUN.2016 14:03:10

Lowest channel



Date: 2.JUN.2016 14:06:32

Middle channel

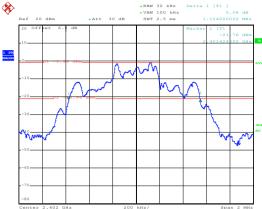


Date: 2.JUN.2016 14:10:28

Highest channel

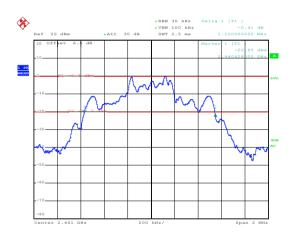






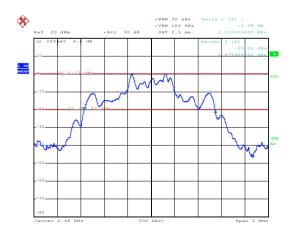
Date: 2.JUN.2016 14:15:14

Lowest channel



Date: 2.JUN.2016 14:13:48

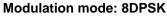
Middle channel



Date: 2.JUN.2016 14:12:36

Highest channel

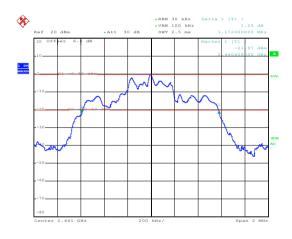






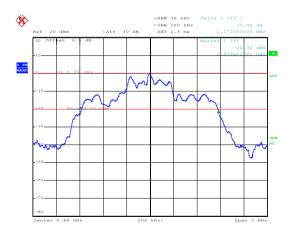
Date: 2.JUN.2016 14:16:42

Lowest channel



Date: 2.JUN.2016 14:18:06

Middle channel



Date: 2 JUN 2016 14:19:10

Highest channel





6.5 Carrier Frequencies Separation

	or our requestions copulation			
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:	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 5.7 for details			
Test mode:	Hopping mode			
Test results:	Pass			





Measurement Data:

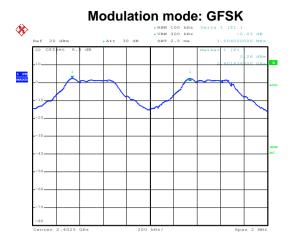
GFSK mode				
Test channel	Carrier Frequencies Separation (kHz) Limit (kHz)			
Lowest	1004	568.00	Pass	
Middle	1004	568.00	Pass	
Highest	1004	568.00	Pass	
	π/4-DQPSK mo	de		
Test channel	Carrier Frequencies Separation (kHz)	Din Limit (kHz) Result		
Lowest	1004	749.33 Pass		
Middle	1008	749.33 Pass		
Highest	1008	1008 749.33 Pass		
	8DPSK mode			
Test channel Carrier Frequencies Separation (kHz) Re		Result		
Lowest	1004	781.33 Pass		
Middle	1008	781.33	Pass	
Highest 1004 781.33 Pass		Pass		

Note: According to section 6.4

Mode	20dB bandwidth (kHz)	Limit (kHz)
Wode	(worse case)	(Carrier Frequencies Separation)
GFSK	852	568.00
π/4-DQPSK	1124	749.33
8DPSK	1172	781.33

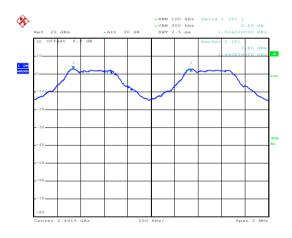


Test plot as follows:



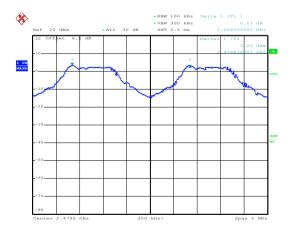
Date: 2.JUN.2016 14:22:28

Lowest channel



Date: 2.JUN.2016 14:29:00

Middle channel

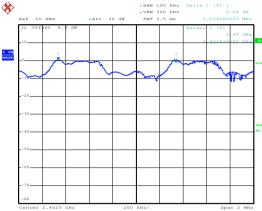


Date: 2.JUN.2016 14:30:06

Highest channel

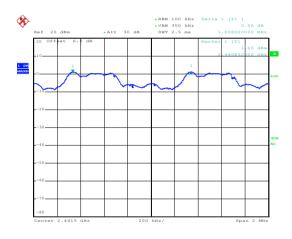






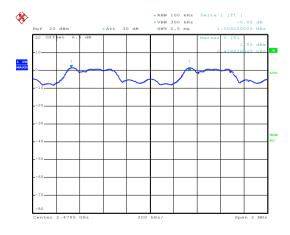
Date: 2.JUN.2016 14:23:44

Lowest channel



Date: 2.JUN.2016 14:27:21

Middle channel

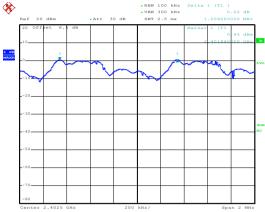


Date: 2.JUN.2016 14:31:24

Highest channel

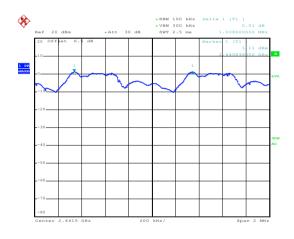






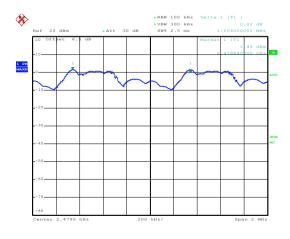
Date: 2.JUN.2016 14:24:48

Lowest channel



Date: 2.JUN.2016 14:26:10

Middle channel



Date: 2.JUN.2016 14:32:30

Highest channel



6.6 Hopping Channel Number

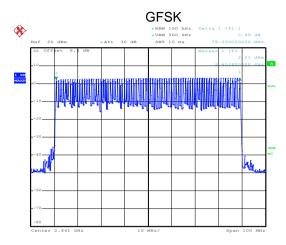
	,		
Test Requirement:	FCC Part 15 C Section 15.247 (a)(1)		
Test Method:	ANSI C63.10:2013 and DA00-705		
Receiver setup:	RBW=100 kHz, VBW=300 kHz, Frequency range=2400MHz-2483.5MHz, Detector=Peak		
Limit:	15 channels		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 5.7 for details		
Test mode:	Hopping mode		
Test results:	Pass		

Measurement Data:

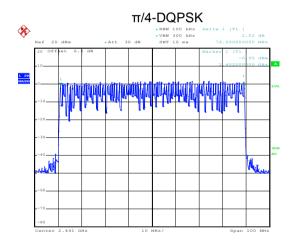
Mode	Hopping channel numbers	Limit	Result
GFSK, π/4-DQPSK, 8DPSK	79	15	Pass



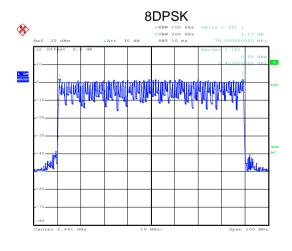
Test plot as follows:



Date: 2.JUN.2016 14:35:08



Date: 2.JUN.2016 14:36:47



Date: 2.JUN.2016 14:38:48



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 5.7 for details		
Test mode:	Hopping mode		
Test results:	Pass		

Measurement Data (Worse case):

Mode	Packet	Dwell time (second)	Limit (second)	Result
	DH1	0.12416		
GFSK	DH3	0.26592	0.4	Pass
	DH5	0.31125		
	2-DH1	0.12608		
π/4-DQPSK	2-DH3	0.26592	0.4	Pass
	2-DH5	0.31211		
	3-DH1	0.12864		
8DPSK	3-DH3	0.26592	0.4	Pass
	3-DH5	0.31125		

For GFSK, $\pi/4$ -DQPSK and 8DPSK:

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

DH1 time slot=0.388*(1600/(2*79))*31.6=124.16ms DH3 time slot=1.662*(1600/(4*79))*31.6=265.92ms DH5 time slot=2.918*(1600/(6*79))*31.6=311.25ms

2-DH1 time slot=0.394*(1600/ (2*79))*31.6=126.08ms

2-DH3 time slot=1.662*(1600/ (4*79))*31.6=265.92ms

2-DH5 time slot=2.926*(1600/ (6*79))*31.6=312.11ms

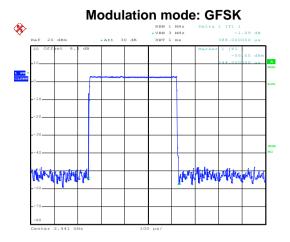
3-DH1 time slot=0.402*(1600/ (2*79))*31.6=128.64ms

3-DH3 time slot=1.662*(1600/ (4*79))*31.6=265.92ms

3-DH5 time slot=2.918*(1600/ (6*79))*31.6=311.25ms

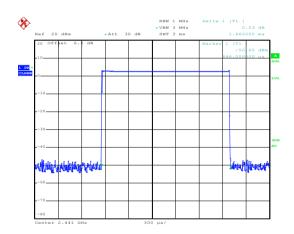


Test plot as follows:



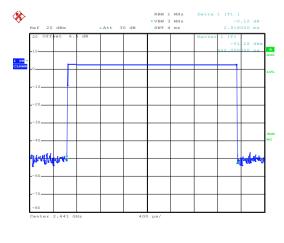
Date: 2.JUN.2016 13:41:31

DH1



Date: 2.JUN.2016 13:46:02

DH3

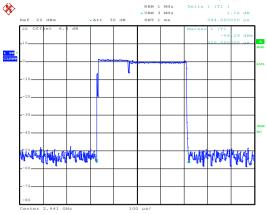


Date: 2.JUN.2016 13:46:59

DH5

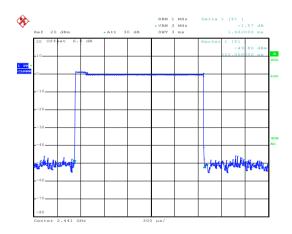






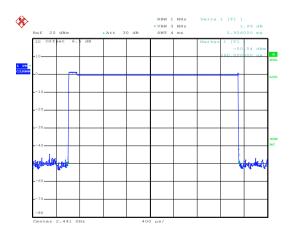
Date: 2.JUN.2016 13:42:32

2-DH1



Date: 2.JUN.2016 13:45:21

2-DH3

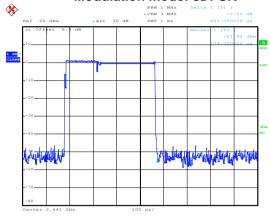


Date: 2 JUN 2016 13:47:3

2-DH5

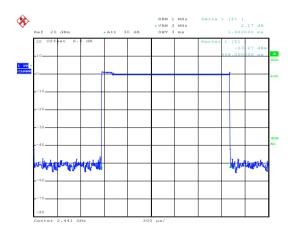






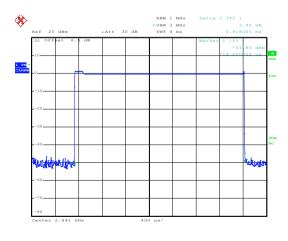
Date: 2.JUN.2016 13:43:18

3-DH1



Date: 2.JUN.2016 13:44:36

3-DH3



Date: 2.JUN.2016 13:48:13

3-DH5



Report No: CCISE160600402

6.8 Pseudorandom Frequency Hopping Sequence

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

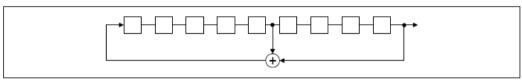
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

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

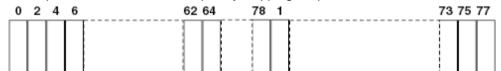
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized 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 5.7 for details
Test mode:	Non-hopping mode and hopping mode
Test results:	Pass

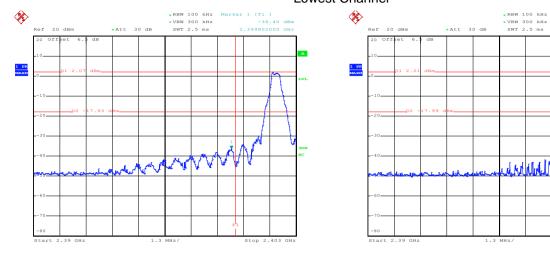




Test plot as follows:

GFSK

Lowest Channel

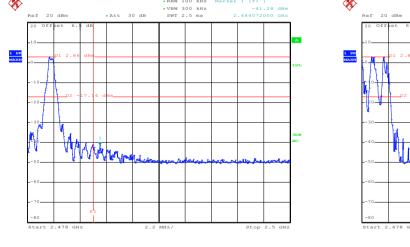


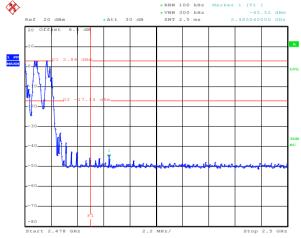
Date: 2.JUN.2016 11:45:57 Date: 2.JUN.2016 11:47:30

No-hopping mode

Hopping mode

Highest Channel





Date: 2.JUN.2016 12:03:34 Date: 2.JUN.2016 12:02:22

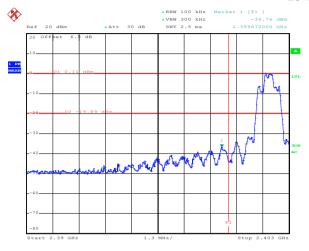
No-hopping mode

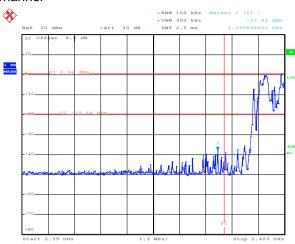
Hopping mode



$\pi/4$ -DQPSK

Lowest Channel





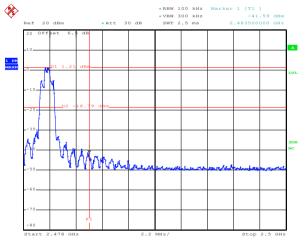
Date: 2.JUN.2016 11:51:11

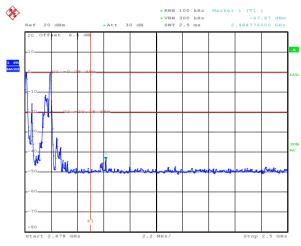
Date: 2.JUN.2016 11:49:10

No-hopping mode

Hopping mode

Highest Channel





Date: 2.JUN.2016 12:08:58

Date: 2.JUN.2016 12:01:24

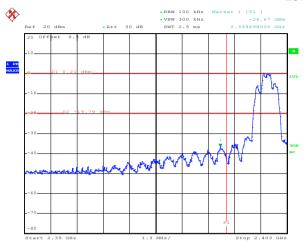
No-hopping mode

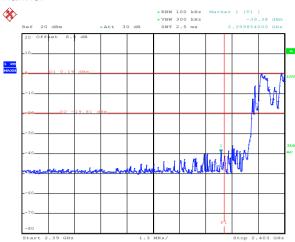
Hopping mode



8DPSK

Lowest Channel





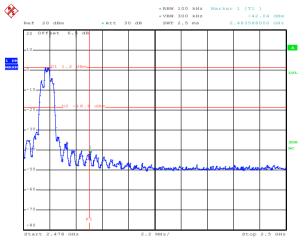
Date: 2.JUN.2016 11:52:30

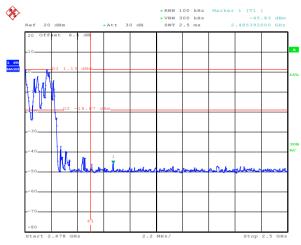
Date: 2.JUN.2016 11:54:34

No-hopping mode

Hopping mode

Highest Channel





Date: 2.JUN.2016 11:58:45

Date: 2.JUN.2016 11:56:51

No-hopping mode

Hopping mode



6.9.2 Radiated Emission Method

Test Require	ment:	FCC Part 15 C	Section 1	5.209	and 15.205					
Test Method:		ANSI C63.10: 2013								
Test Frequer	ncy Range:	2.3GHz to 2.50	3Hz							
Test site:		Measurement	Distance:	3m						
Receiver set	up:	Frequency	Detect		RBW		BW	Remark		
		Above 1GHz	Peak		1MHz		ИHz	Peak Value		
1.2 - 26		RMS 1MHz 3MHz Average Value Frequency Limit (dBuV/m @3m) Remark								
Limit:		Above 1GHz 54.00 Average Value								
		Above 1GHz 74.00 Peak Value								
Test setup:		SWWWWWWWWWWW	(Turntabl	Test F	Ground Reference Plane		Antenna Tow			
Test Procedu	ure:	ground at a determine the second second at a determine the second	3 meter cane position as set 3 minich was minich was minich was minich was minich was minich was eatenated and was eading. The position of the position of the position of the position would be the position of the	ember of the eters nounted varied ne ma polar mission was to turned em was vith M f the E sting of d. Oth	r. The table wat a highest radial away from the ed on the top of the ed on the top of the ed on the EUT was set to Peak laximum Hold leut in peak mould be stopp nerwise the emission of the ed on the ed on the ed from the ed from the ed laximum Hold leut in peak mould be stopp nerwise the emission as the ed on the e	as rotal ation. interful f a value of the flat anten as arras from the flat of	erence-riable-hariabl	receiving eight antenna sters above the ength. Both set to make the orits worst case or to 4 meters grees to find the ston and so lower than the eak values of the lid not have an quasi-peak or		
Test Instrume	ents:	Refer to sectio	n 5.7 for d	etails	<u> </u>					
Test mode:		Non-hopping m	node							
Test results:		Passed								
_										

Remark:

1. During the test, pre-scan the GFSK, $\pi/4$ -DQPSK, 8DPSK, and all data were shown in report.



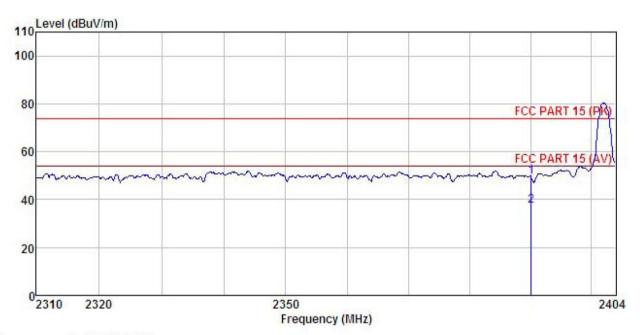


2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case.

GFSK mode

Test channel: Lowest

Horizontal:



Site 3m chamber

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

EUT : Mobile phone

Model : GO182 Test mode : DH1-L mode Power Rating : AC120V/60Hz

Environment : Temp: 25.5°C Test Engineer: Zora Huni:55% 101KPa

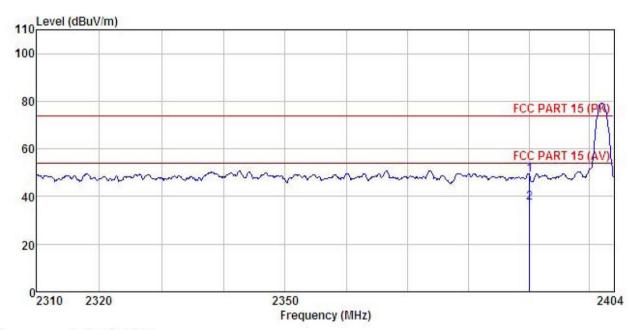
REMARK

1 2

								0.0000000000000000000000000000000000000	
	Freq		Antenna Factor						Remark
-	MHz	dBm	<u>dB</u> /m	d <u>B</u>	<u>ab</u>	_dBm/m	_dBm/m	<u>dB</u>	
	2390.000 2390.000					49.63			
_	2330.000	1. 41	23.00	0.00	0.00	31.02	04.00	-10.40	uverage







Site

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

EUT : Mobile phone : G0182 Model Test mode : DH1-L mode Power Rating: AC120V/60Hz Environment: Temp:25.5°C Test Engineer: Zora REMARK:

Huni:55% 101KPa

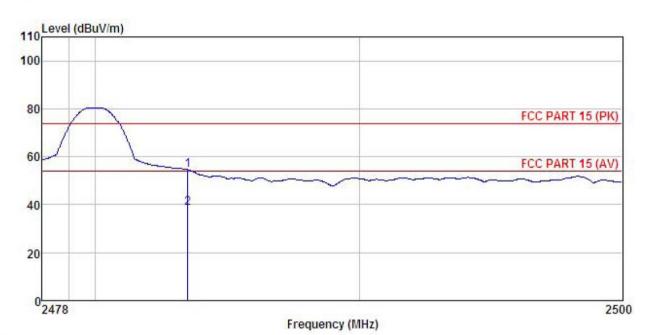
EMAK.	K :								
	Freq				Preamp Factor		Limit Line		Remark
	MHz	dB_m	<u>dB</u> /m	<u>d</u> B	<u>dB</u>	_dBm/m	_dBm/m	<u>dB</u>	
1 2	2390.000 2390.000				0.00 0.00				





Test channel: Highest

Horizontal:



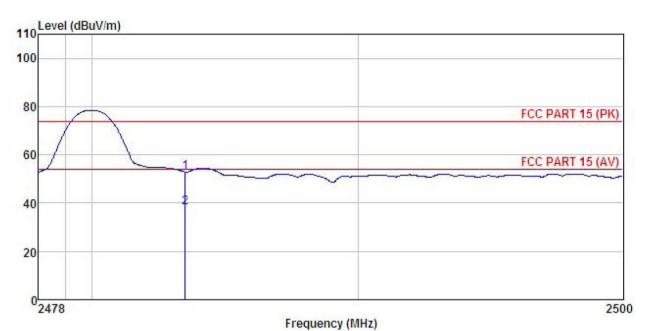
: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL Condition

: GO182
Test mode : DH1-H mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55% 101KPa
Test Engineer: Zora
REMARK : EUT : Mobile phone

Freq					Preamp Factor Level					
-	MHz	dBm	<u>dB</u> /m		<u>ab</u>	_dBm/m	_dBm/m	<u>dB</u>		
1 2	2483.500 2483.500	23.98 7.81	23.70 23.70	6.85 6.85	0.00 0.00	54.53 38.36	74.00 54.00	-19.47 -15.64	Peak Average	







Site

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

EUT : Mobile phone Model : GO182 Test mode : DH1-H mode Power Rating : AC120V/60Hz

Environment: Temp: 25.5°C Huni: 55% 101KPa

Test Engineer: Zora REMARK :

 200				Preamp Factor				
MHz	dBm	<u>dB</u> /m	dB	<u>dB</u>	_dBm/m	_dBm/m	dB	
2483.500 2483.500				0.00 0.00				State of the state

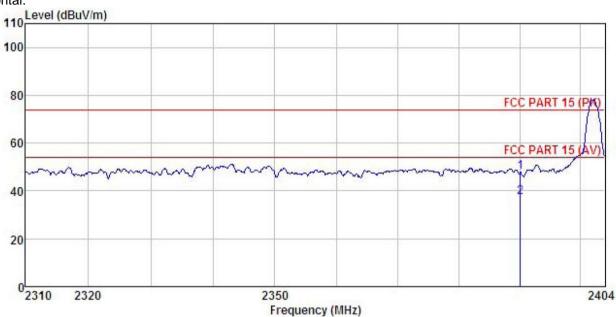




π/4-DQPSK mode

Test channel: Lowest

Horizontal:



Site

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

EUT : Mobile phone Model : GO182 : 2DH1-L mode Test mode

Power Rating : AC120V/60Hz

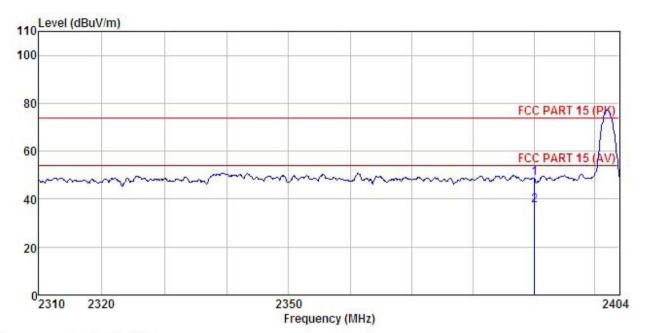
Environment : Temp: 25.5°C Huni: 55% 101KPa Test Engineer: Zora

REMARK

 Freq	ReadAntenna Cable Pre Freq Level Factor Loss Fac							
MHz	dBm				_dBm/m	_dBπ/m	<u>dB</u>	
2390.000 2390.000				0.00 0.00				







Site

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

EUT : G0182 Model

Test mode : 2DH1-L mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55% 101KPa

Test Engineer: Zora REMARK :

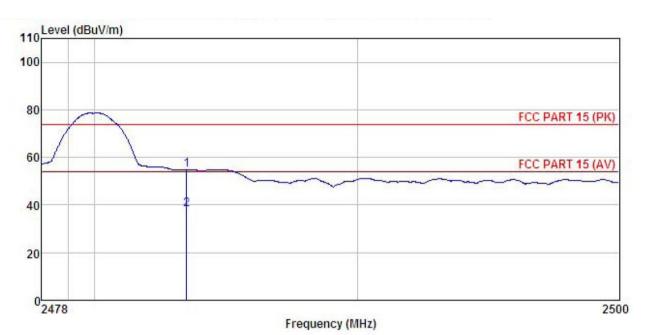
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq		Factor							
-	MHz	dBm	— <u>dB</u> /m		<u>ab</u>		dBm/m	<u>dB</u>		
1	2390.000	18.53	23.68	6.63	0.00	48.84	74.00	-25.16	Peak	
2	2390.000	7.20	23.68	6.63	0.00	37.51	54.00	-16.49	Average	





Test channel: Highest

Horizontal:



Site

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

EUT : Mobile phone Model : GO182 Test mode : 2DH1-H mode

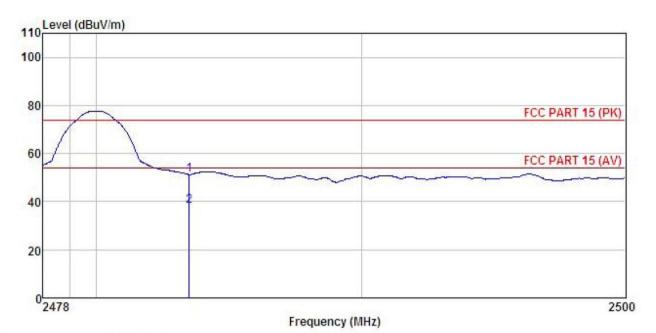
Power Rating: AC120V/60Hz Environment: Temp:25.5°C Huni:55% 101KPa Test Engineer: Zora

REMARK

ינטוונט	u .	Read	Antenna	Cable	Preamp		Limit	Over	
	Freq				Factor				
	MHz	dBm	<u>dB</u> /m		<u>dB</u>	_dBm/m	_dBm/m	<u>dB</u>	
1 2	2483.500 2483.500							-19.34	Peak Average







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

: GO182
Test mode : 2DH1-H mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55% 101KPa
Test Engineer: Zora
REMARK : EUT : Mobile phone

	Freq	ReadAntenna Freq Level Factor							
8	MHz	dBm	<u>dB</u> /m	<u>dB</u>	<u>ab</u>	_dBm/m	_dBm/m	<u>dB</u>	
1 2	2483.500 2483.500								Service Committee Committe

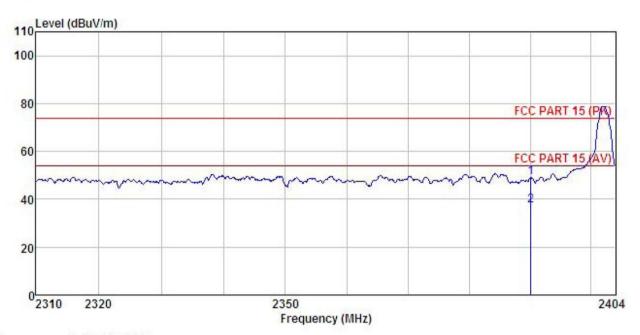




8DPSK mode

Test channel: Lowest

Horizontal:



Site

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

EUT : Mobile phone : G0182 Model

Test mode : 3DH1-L mode

Power Rating: AC120V/60Hz Environment: Temp:25.5°C Huni:55% 101KPa Test Engineer: Zora

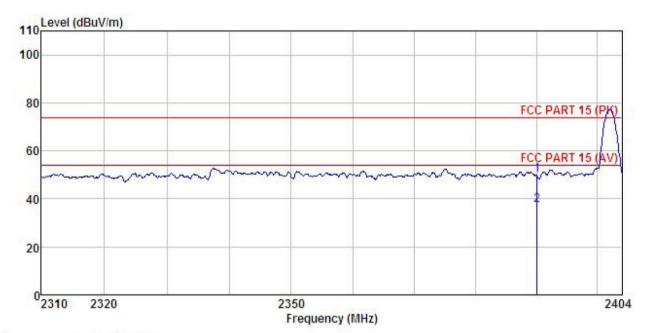
REMARK

1 2

Freq		Antenna Factor						
MHz	dBm	<u>dB</u> /m	<u>d</u> B	<u>d</u> B	_dBm/m	_dBm/m	<u>dB</u>	
2390.000 2390.000								







Site

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

EUT : Mobile phone Model : GO182

Test mode : 3DH1-L mode Power Rating : AC120V/60Hz

Environment : Temp: 25.5°C Huni: 55% 101KPa

Test Engineer: Zora REMARK :

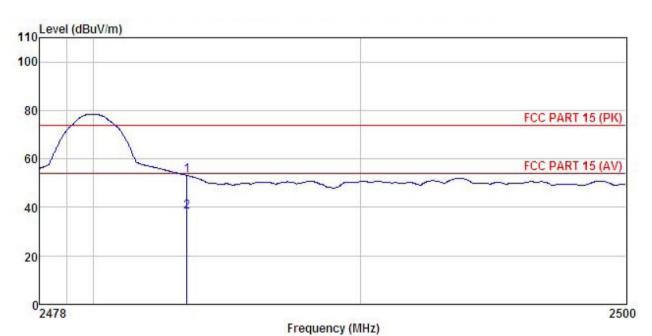
Freq						Preamp Factor Level		
	MHz	dBm	<u>dB</u> /m		<u>d</u> B			
1 2	2390.000 2390.000							





Test channel: Highest

Horizontal:



Site

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

EUT : Mobile phone

: GO182 Model

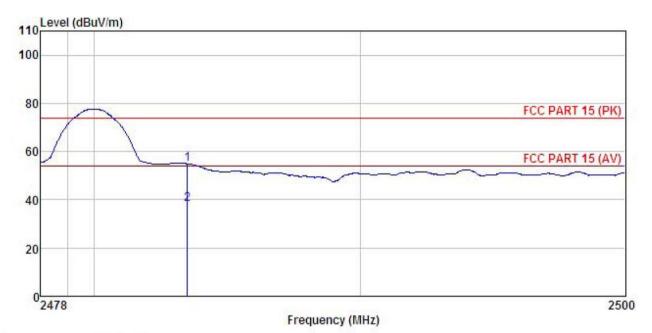
Test mode: 3DH1-H mode
Power Rating: AC120V/60Hz
Environment: Temp:25.5°C Huni:55% 101KPa
Test Engineer: Zora

REMARK

Freq		ReadAntenna Cable Preamp req Level Factor Loss Factor		Preamp Factor	Level	Limit Line	Over Limit	Remark		
-	MHz	dBm	<u>dB</u> /m	<u>d</u> B	<u>ab</u>	dBm/m	dBm/m	<u>d</u> B		
	2483,500 2483,500									







Site

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

: GO182
Test mode : 3DH1-H mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55% 101KPa
Test Engineer: Zora
REMARK : EUT : Mobile phone

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark	
-	MHz	dBm	<u>dB</u> /m		<u>dB</u>		_dBm/m	<u>dB</u>		
	2483.500 2483.500				0.00 0.00					



6.10 Spurious Emission

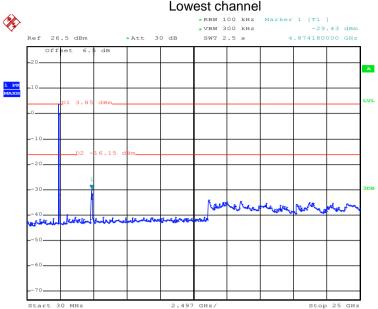
6.10.1 Conducted Emission Method

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 5.7 for details							
Test mode:	Non-hopping mode							
Test results:	Pass							



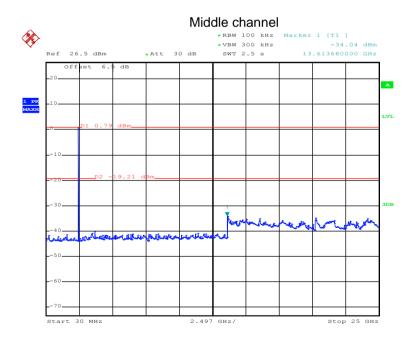
Test plot as follows:





Date: 2.JUN.2016 14:42:21

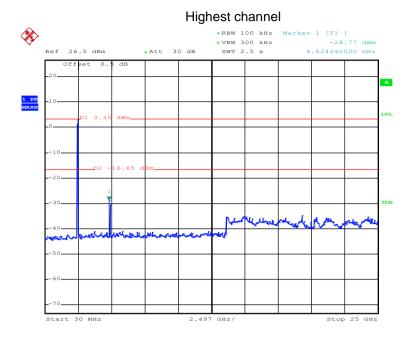
30MHz~25GHz



Date: 2.JUN.2016 14:43:37

30MHz~25GHz





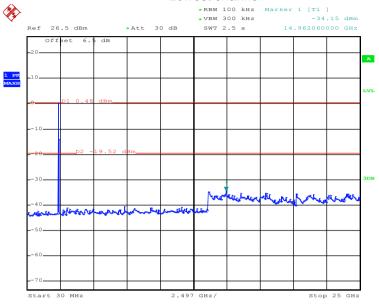
Date: 2.JUN.2016 14:44:33

30MHz~25GHz



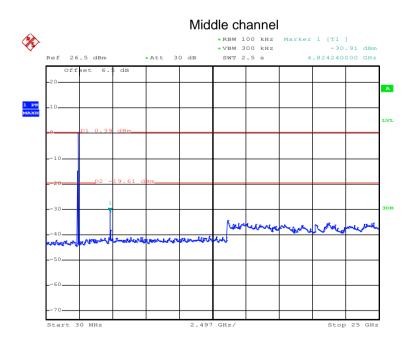
π/4-DQPSK

Lowest channel



Date: 2.JUN.2016 14:47:57

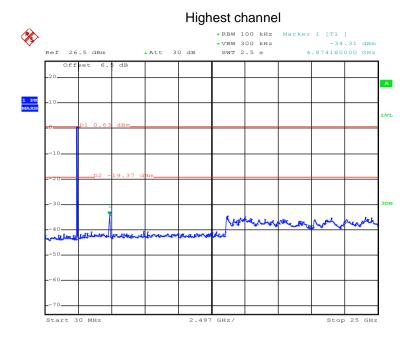
30MHz~25GHz



Date: 2.JUN.2016 14:47:04

30MHz~25GHz

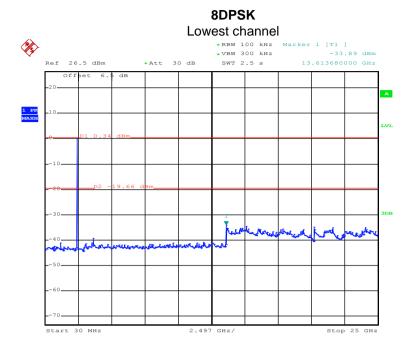




Date: 2.JUN.2016 14:45:43

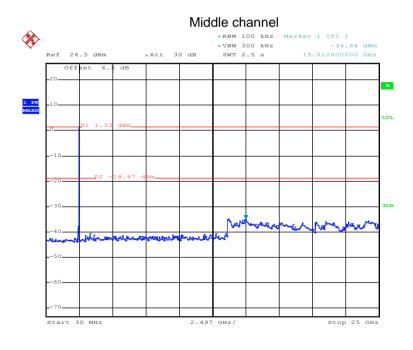
30MHz~25GHz





Date: 2.JUN.2016 14:49:08

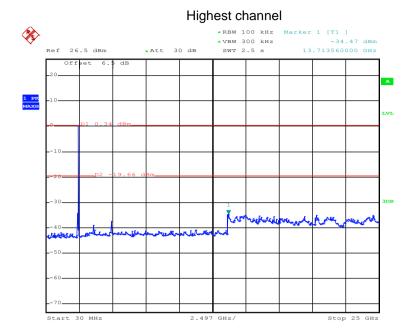
30MHz~25GHz



Date: 2.JUN.2016 14:50:13

30MHz~25GHz





Date: 2.JUN.2016 14:51:36

30MHz~25GHz





6.10.2 Radiated Emission Method

6.10.2 Radiated Emission M	etnoa								
Test Requirement:	FCC Part 15 C Section 15.209								
Test Method:	ANSI C63.10: 2013								
Test Frequency Range:	9 kHz to 25 GHz								
Test site:	Measurement Distance: 3m								
Receiver setup:	Frequency Detector RBW VBW Remark								
	30MHz-1GHz Quasi-peak 120kHz 300kHz Quasi-peak Va								
	Above 1GHz Peak 1MHz 3MHz Peak Value								
	Above Toriz	RMS		1MHz	3MH	z	Average Value		
Limit:	Frequenc	y .	Lim	it (dBuV/m @	@3m)		Remark		
	30MHz-88N	ИHz		40.0		C	Quasi-peak Value		
	88MHz-216	MHz		43.5		C	Quasi-peak Value		
	216MHz-960	MHz		46.0		C	Quasi-peak Value		
	960MHz-10	GHz		54.0		C	Quasi-peak Value		
	Above 1GI	Hz –		54.0			Average Value		
	7,5070 101	12		74.0			Peak Value		
Test setup:	7/////	um 0.8m A de Plane (Turntable)	4m	3m Ground Reference Plane	Horn Antenna Pre-Amptifer Con	RF 1	Antenna Tower Search Antenna Test eiver		





Test Procedure:	 The EUT was placed on the top of a rotating table 0.8m(below 1GHz) /1.5m(above 1GHz) above the ground at a 3 meter chamber. 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 antenna 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.
	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.
	The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	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 5.7 for details
Test mode:	Non-hopping mode
Test results:	Pass

Remark:

- 1. During the test, pre-scan the GFSK, $\pi/4$ -DQPSK, 8DPSK modulation, and found the GFSK modulation is the worst case.
- 2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case.
- 3. 9 kHz to 30 MHz is noise floor, so only shows the data of above 30MHz in this report.

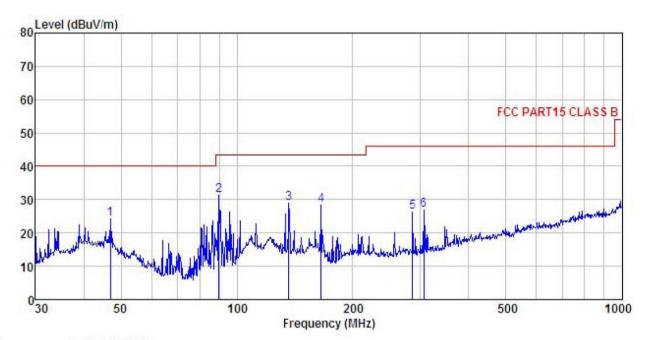




Measurement data:

Below 1GHz

Vertical:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL Condition

EUT : Mobile phone Model : GO182 Test mode : BT mode Power Rating : AC120V/60Hz

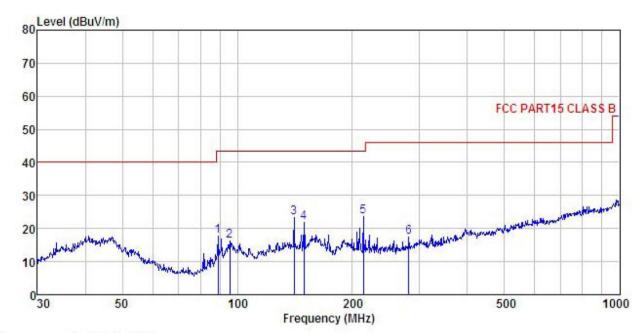
Environment : Temp:25.5°C Huni:55% 101KPa Test Engineer: Zora REMARK :

CHICHAIL.									
			Antenna Factor						
_	MHz	—dBuV	— <u>dB</u> /m	d <u>B</u>	<u>ab</u>	$\overline{dBuV/m}$	dBuV/m	<u>dB</u>	
1	46.995	35.96	16.71	1.27	29.84	24.10	40.00	-15.90	QP
2	89.905	50.75	8.15	2.04	29.57	31.37	43.50	-12.13	QP
2 3 4 5 6	136.460	43.94	11.91	2.36	29.29	28.92	43.50	-14.58	QP
4	165.487	45.04	9.84	2.62	29.09	28.41	43.50	-15.09	QP
5	285.978	39.44	12.26	2.90	28.47	26.13	46.00	-19.87	QP
6	305.680	39.52	12.87	2.96	28.46	26.89	46.00	-19.11	QP





Horizontal:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL Condition

: Mobile phone EUT : G0182 : BT mode Model Test mode

Power Rating: AC120V/60Hz Environment: Temp:25.5°C Huni:55% 101KPa

Test Engineer: Zora REMARK :

AZAM										
		Read	Ant enna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark	
_	MHz	dBu∀	<u>dB</u> /m		<u>dB</u>	$\overline{dBuV/m}$	dBu√/m	<u>dB</u>		
1	88.964	37.31	8.04	2.00	29.58	17.77	43.50	-25.73	QP	
1 2 3 4	95.427	35.15	8.71	2.01	29.55	16.32	43.50	-27.18	QP	
3	140.835	38.46	11.63	2.41	29.27	23.23	43.50	-20.27	QP	
	149.486	37.76	10.70	2.51	29.22	21.75	43.50	-21.75	QP	
5 6	213.763	38.49	10.94	2.85	28.74	23.54	43.50	-19.96	QP	
6	281.008	30.70	12.21	2.89	28.48	17.32	46.00	-28.68	QP	



Above 1GHz:

Te	st 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	55.14	31.53	10.57	40.24	57.00	74.00	-17.00	Vertical	
4804.00	46.86	31.53	10.57	40.24	48.72	74.00	-25.28	Horizontal	
Te	st channel:	•	Low	vest	Le	Level:		erage	
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	35.20	31.53	10.57	40.24	37.06	54.00	-16.94	Vertical	
4804.00	34.85	31.53	10.57	40.24	36.71	54.00	-17.29	Horizontal	

Te	st channel:		Middle		Lev	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	
4882.00	57.21	31.58	10.66	40.15	59.30	74.00	-14.70	Vertical	
4882.00	47.64	31.58	10.66	40.15	49.73	74.00	-24.27	Horizontal	
Te	st channel:	•	Middle		Lev	vel:	Ave	erage	
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	36.50	31.58	10.66	40.15	38.59	54.00	-15.41	Vertical	
4882.00	35.35	31.58	10.66	40.15	37.44	54.00	-16.56	Horizontal	

Te	st channel:		High	nest	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	
4960.00	59.13	31.69	10.73	40.03	61.52	74.00	-12.48	Vertical	
4960.00	49.26	31.69	10.73	40.03	51.65	74.00	-22.35	Horizontal	
Te	st channel		Highest		Le	vel:	Av	erage	
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	37.29	31.69	10.73	40.03	39.68	54.00	-14.32	Vertical	
4960.00	36.51	31.69	10.73	40.03	38.90	54.00	-15.10	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.