

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCISE180907503

FCC REPORT

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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2 Version

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

Tested by: 12 Oct., 2018

Test Engineer

Reviewed by: Date: 12 Oct., 2018

Project Engineer



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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)(3)	Pass			
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Pass			
Power Spectral Density	15.247 (e)	Pass			
Band Edge	15.247 (d)	Pass			
Spurious Emission	15.205 & 15.209 Pass				
Pass: The FUT complies with the essential requirements in the standard.					

N/A: Not Applicable.



Report No: CCISE180907503

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.

Product Name:	MOBILE PHONE		
Model No.:	GO1008		
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(H20))		
Channel numbers:	11 for 802.11b/802.11g/802.11(H20)		
Channel separation:	5MHz		
Modulation technology: (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)		
Modulation technology: (IEEE 802.11g/802.11n)	Orthogonal Frequency Division Multiplexing(OFDM)		
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps		
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps		
Data speed (IEEE 802.11n):	Up to 72.2Mbps		
Antenna Type:	External Antenna		
Antenna gain:	0.5dBi		
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 Frequency each of channel for 802.11b/g/n(H20)								
Channel Frequency Channel Frequency Channel Frequency Channel Frequency							Frequency	
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz	
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz	
3	2422MHz	6	2437MHz	9	2452MHz			

Note:

- 1. For 802.11n-HT40 mode, the channel number is from 3 to 9;
- Channel 1, 6 & 11 selected for 802.11b/g/n-HT20 as Lowest, Middle and Highest channel, Channel; 3, 6 & 9 selected for 802.11n-HT40 as Lowest, Middle and Highest channel, Channel.

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



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5.3 Test environment and test mode

Operating Environment:			
Temperature:	24.0 °C		
Humidity:	54 % RH		
Atmospheric Pressure:	1010 mbar		
Test mode:			

Transmitting mode Ke	ep the EUT in continuous transmitting with modulation
----------------------	---

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, 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.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate, the follow list were the worst case.				
Mode Data rate				
802.11b	1Mbps			
802.11g	6Mbps			
802.11n(H20) 6.5Mbps				

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

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



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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

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	03-06-2019		
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-07-2018	03-06-2019		
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-21-2017	11-20-2018		
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-07-2018	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	\	/ersion: 6.110919	b



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 WiFi antenna is an Internal antenna which cannot replace by end-user, the best case gain of the antenna is 0.5 dBi.







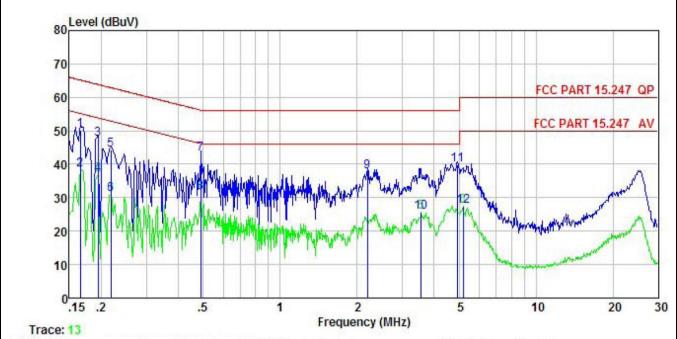
6.2 Conducted Emission

Test Requirement:	FCC Part 15 C Section 15.207				
Test Method:	ANSI C63.10: 2013				
Test Frequency Range:	150 kHz to 30 MHz				
Class / Severity:	Class B				
Receiver setup:	RBW=9 kHz, VBW=30 kHz				
	Frequency range Limit (dBuV)				
Limit:	(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 procedure	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement. 				
Test setup:	AUX Equipment Test table/Insula Remark: E.U.T. Equipment Under LISN: Line Impedence St. Test table height=0.8m	E.U.T EMI Receiver	I Her — AC power		
Test Instruments:	Refer to section 5.8 for d	etails			
Test mode:	Refer to section 5.3 for d	etails			
Test results:	Passed				



Measurement Data:

Product name:	MOBILE PHONE	Product model:	GO1008
Test by:	YT	Test mode:	Wi-Fi Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
MHz	dBu∜	<u>dB</u>	<u>ab</u>	dBu₹	dBu√	<u>dB</u>	
0.166	39.34	0.17	10.77	50.28	65.16	-14.88	QP
0.166	27.52	0.17	10.77	38.46	55.16	-16.70	Average
0.194	36.75	0.15	10.76	47.66	63.84	-16.18	QP
0.194	26.04	0.15	10.76	36.95	53.84	-16.89	Average
0.219	33.33	0.15	10.76	44.24	62.88	-18.64	QP
0.219	19.99	0.15	10.76	30.90	52.88	-21.98	Average
0.489	32.22	0.12	10.76	43.10	56.19	-13.09	QP
0.489	20.73	0.12	10.76	31.61	46.19	-14.58	Average
2.190	26.69	0.15	10.95	37.79	56.00	-18.21	QP
3.565	14.55	0.17	10.90	25.62	46.00	-20.38	Average
4.926	28.71	0.21	10.85	39.77	56.00	-16.23	QP
5.194	16.31	0.21	10.84	27.36	50.00	-22.64	Average
	MHz 0.166 0.166 0.194 0.194 0.219 0.219 0.489 0.489 2.190 3.565 4.926	MHz dBuV 0.166 39.34 0.166 27.52 0.194 36.75 0.194 26.04 0.219 33.33 0.219 19.99 0.489 32.22 0.489 20.73 2.190 26.69 3.565 14.55 4.926 28.71	MHz dBuV dB 0.166 39.34 0.17 0.166 27.52 0.17 0.194 36.75 0.15 0.194 26.04 0.15 0.219 33.33 0.15 0.219 19.99 0.15 0.489 32.22 0.12 0.489 20.73 0.12 2.190 26.69 0.15 3.565 14.55 0.17 4.926 28.71 0.21	MHz dBuV dB dB 0.166 39.34 0.17 10.77 0.166 27.52 0.17 10.77 0.194 36.75 0.15 10.76 0.194 26.04 0.15 10.76 0.219 33.33 0.15 10.76 0.219 19.99 0.15 10.76 0.489 32.22 0.12 10.76 0.489 20.73 0.12 10.76 2.190 26.69 0.15 10.95 3.565 14.55 0.17 10.90 4.926 28.71 0.21 10.85	MHz dBuV dB dB dBuV 0.166 39.34 0.17 10.77 50.28 0.166 27.52 0.17 10.77 38.46 0.194 36.75 0.15 10.76 47.66 0.194 26.04 0.15 10.76 36.95 0.219 33.33 0.15 10.76 44.24 0.219 19.99 0.15 10.76 30.90 0.489 32.22 0.12 10.76 43.10 0.489 20.73 0.12 10.76 31.61 2.190 26.69 0.15 10.95 37.79 3.565 14.55 0.17 10.90 25.62 4.926 28.71 0.21 10.85 39.77	MHz dBuV dB dB dBuV dBuV 0.166 39.34 0.17 10.77 50.28 65.16 0.166 27.52 0.17 10.77 38.46 55.16 0.194 36.75 0.15 10.76 47.66 63.84 0.194 26.04 0.15 10.76 36.95 53.84 0.219 33.33 0.15 10.76 44.24 62.88 0.219 19.99 0.15 10.76 30.90 52.88 0.489 32.22 0.12 10.76 43.10 56.19 0.489 20.73 0.12 10.76 31.61 46.19 2.190 26.69 0.15 10.95 37.79 56.00 3.565 14.55 0.17 10.90 25.62 46.00 4.926 28.71 0.21 10.85 39.77 56.00	MHz dBuV dB dB dBuV dBuV dB 0.166 39.34 0.17 10.77 50.28 65.16 -14.88 0.166 27.52 0.17 10.77 38.46 55.16 -16.70 0.194 36.75 0.15 10.76 47.66 63.84 -16.18 0.194 26.04 0.15 10.76 36.95 53.84 -16.89 0.219 33.33 0.15 10.76 44.24 62.88 -18.64 0.219 19.99 0.15 10.76 30.90 52.88 -21.98 0.489 32.22 0.12 10.76 43.10 56.19 -13.09 0.489 20.73 0.12 10.76 31.61 46.19 -14.58 2.190 26.69 0.15 10.95 37.79 56.00 -18.21 3.565 14.55 0.17 10.90 25.62 46.00 -20.38 4.926 28.71 0.21

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:	IVI	MOBILE PHONE		F	Product mod	odel: GO1008			
Test by:	Y	Γ		7	est mode:	Wi	-Fi Tx mode	}	
Test frequency:	: 15	150 kHz ~ 30 MHz			hase:	Ne	utral		
Test voltage:	A	C 120 V/60	Hz	E	nvironmen	t: Te	Temp: 22.5°C Huni: 55%		
80 Level (0 70 60 50 40 2 3 30 20	dBuV)			*powerport	50 Company	11 11 12 12		ART 15.247 QP	
2									
.15 .2		.5	1	2 Frequen	ov (MHz)	5	10	20 30	
0.15 .2 Trace: 15	Freq	Read		Frequence Cable Loss		5 Limit Line	Over	20 30 Remark	
		Read	LISN	Frequence Cable		Limit	Over		

Notes:

10

11

12

- 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.

0.99 10.94

10.86

10.84

1.01

1.01

35.87

40.29

27.91

56.00 -20.13 QP

56.00 -15.71 QP

50.00 -22.09 Average

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.

23.94

28.42

16.06

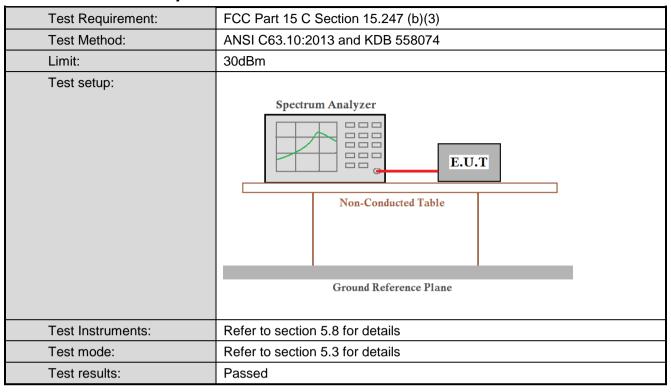
2.422

4.721

5.362



6.3 Conducted Output Power

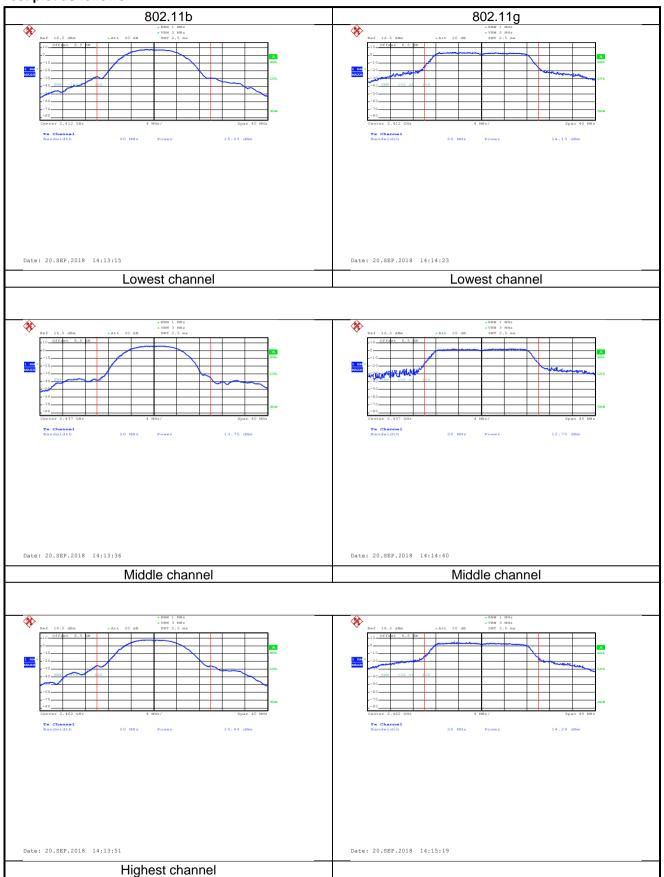


Measurement Data:

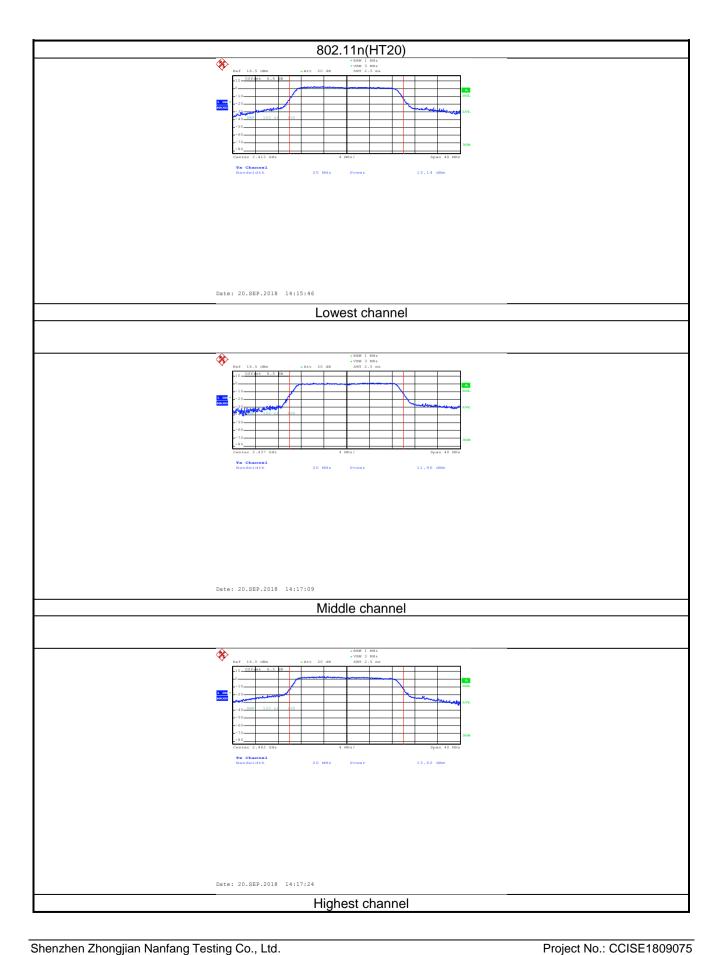
Toot CH	Limit(dBm	Result			
rest Cn	Test CH 802.11b 802.11g 802.11n(H20)				
Lowest	15.25	14.13	13.14		
Middle	13.75	12.75	11.96	30.00	Pass
Highest	15.44	14.29	13.60		



Test plot as follows:









6.4 Occupy Bandwidth

Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)			
Test Method:	ANSI C63.10:2013 and KDB 558074			
Limit:	>500kHz			
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane			
Test Instruments:	Refer to section 5.8 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Passed			

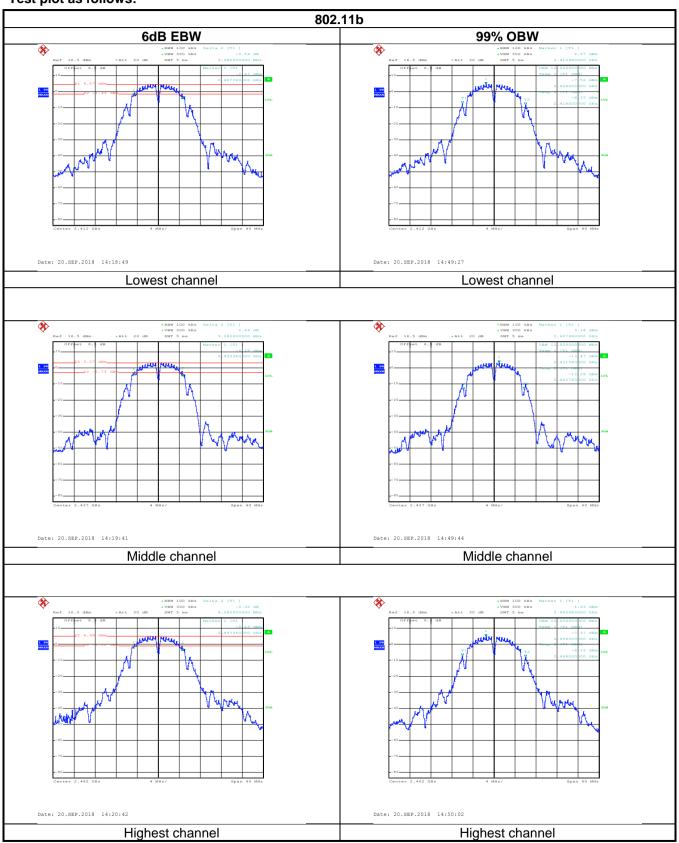
Measurement Data:

Test CH	6dB Em	ission Bandwidth	Limit/kU=\	Result	
Test On	802.11b 802.11g 802.11n(H20)		Limit(kHz)	Result	
Lowest	9.28	16.64	17.20		
Middle	9.28	16.56	17.84	>500	Pass
Highest	9.28	16.56	17.44		
Test CH	99% O	ccupy Bandwidth	Limit(kHz)	Result	
Test On	802.11b	802.11g	802.11n(H20)	LIIIIII(KHZ)	Result
Lowest	12.00	16.72	17.76		
Middle	11.52	16.64	17.68	N/A	N/A
Highest	12.00	16.88	17.76		



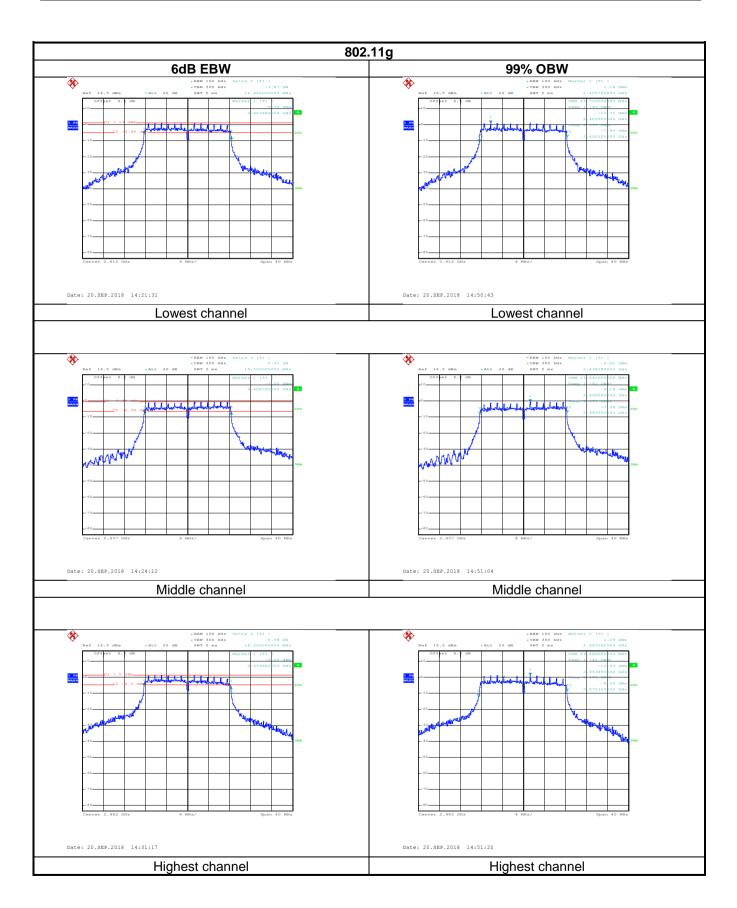


Test plot as follows:



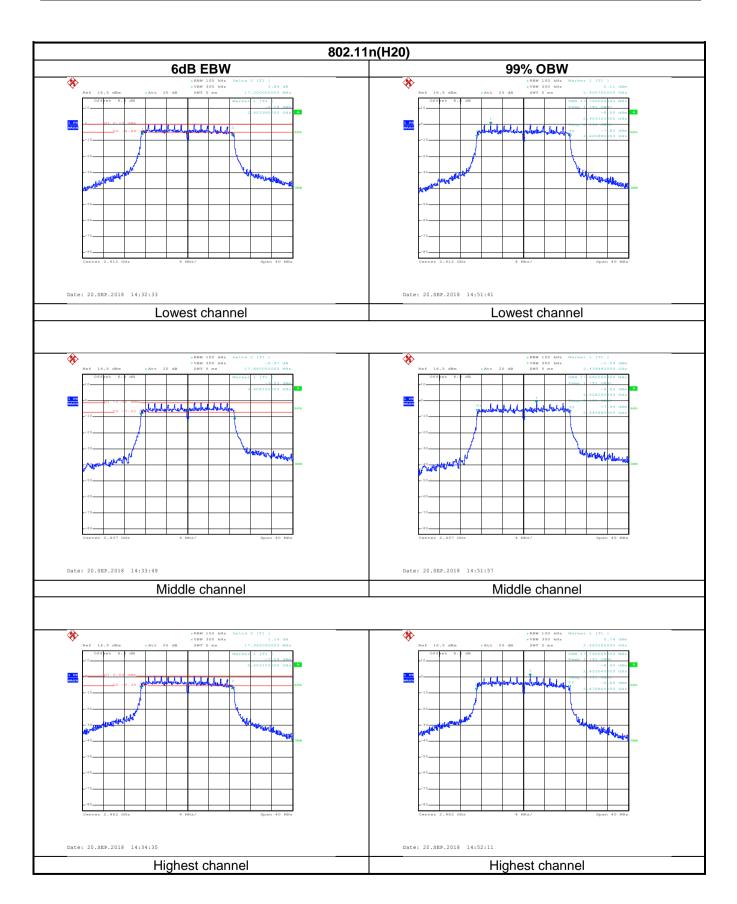














6.5 Power Spectral Density

Test Requirement:	FCC Part 15 C Section 15.247 (e)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	8dBm
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

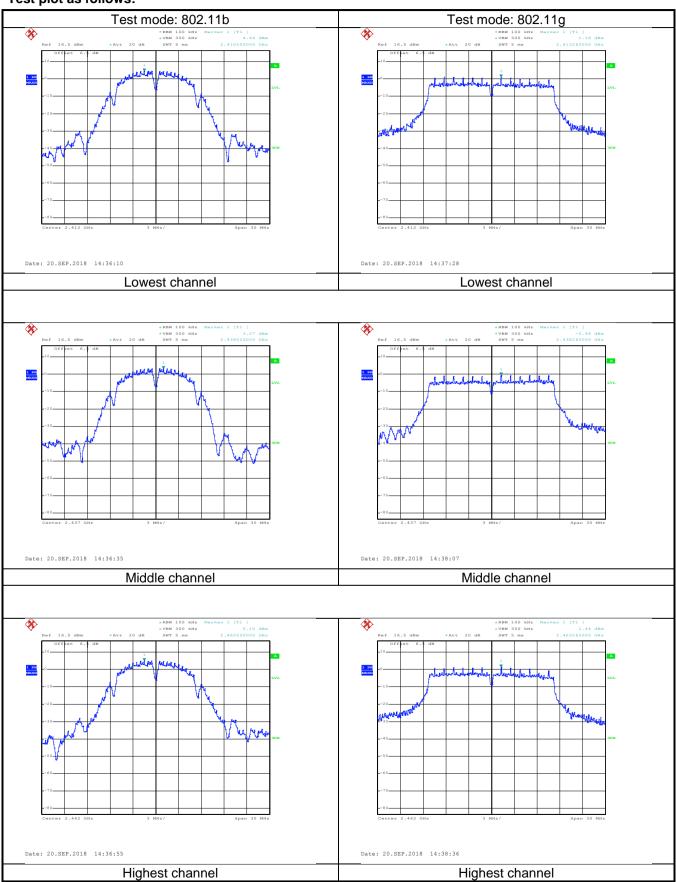
Measurement Data:

Toot CU	Power	Spectral Density	Limit(dDm)	Daguilt	
Test CH	802.11b	802.11g	802.11n(H20)	Limit(dBm)	Result
Lowest	4.64	1.18	0.25		
Middle	3.27	-0.46	-1.34	8.00	Pass
Highest	5.10	1.44	0.75		



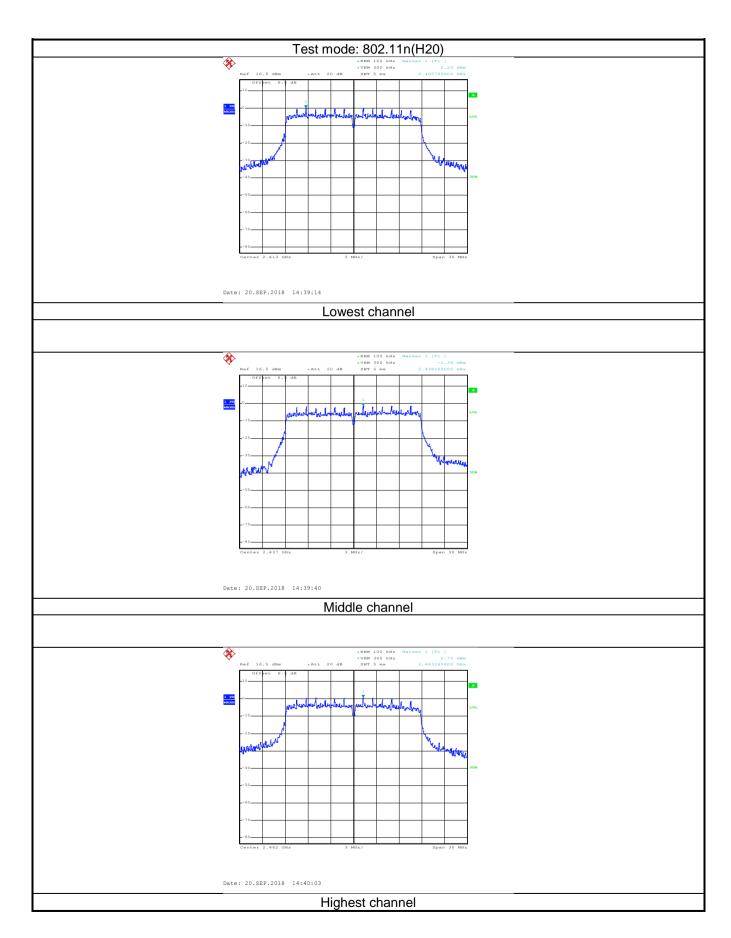


Test plot as follows:











6.6 Band Edge

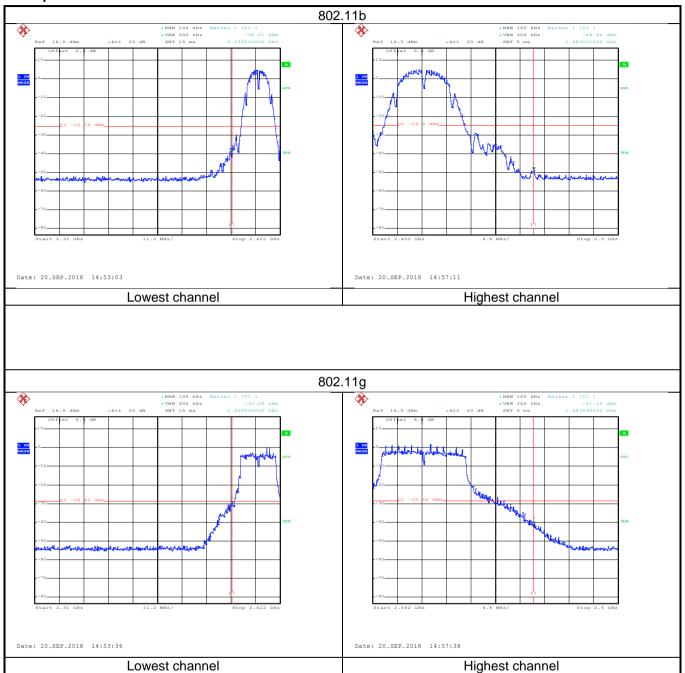
6.6.1 Conducted Emission Method

0.0.1 Conducted Emission				
Test Requirement:	FCC Part 15 C Section 15.247 (d)			
Test Method:	ANSI C63.10:2013 and KDB 558074			
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 30 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:	Refer to section 5.3 for details			
Test results:	Passed			



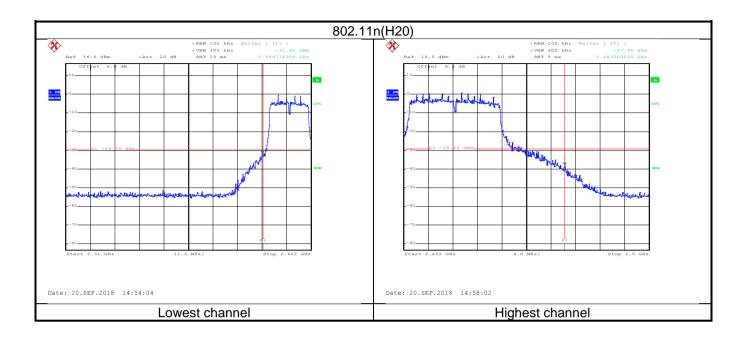


Test plot as follows:













6.6.2 Radiated Emission Method

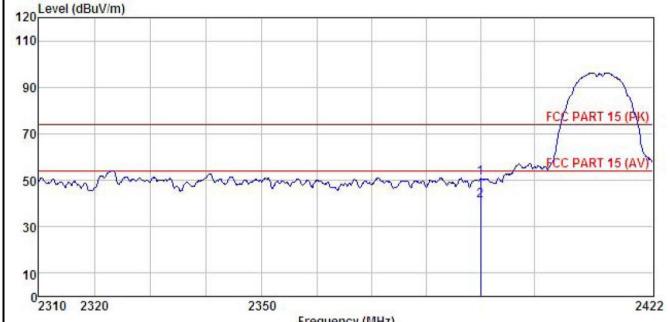
0.0.2	Radiated Emission Me	etnoa							
	Test Requirement:	FCC Part 15 C Section 15.209 and 15.205							
	Test Method:	ANSI C63.10: 2	013 and l	KDE	3 558074				
	Test Frequency Range:	2.3GHz to 2.5G	Hz						
	Test Distance:	3m							
	Receiver setup:	Frequency	Detecto		RBW		'BW	Remark	
		Above 1GHz	Peak RMS		1MHz 1MHz		MHz MHz	Peak Value Average Value	
	Limit:	Frequenc		Lin	nit (dBuV/m @		VII IZ	Remark	JE
	Little.	Above 1GI			54.00		A۱	verage Value	
					74.00			Peak Value	
	Test Procedure:	 The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height 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. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 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, quasipeak or average method as specified and then reported in a data 							
	Test setup:	\$00m	AE EU (Turntable)	1	3m Ground Reference Plane	n Antenna	Antenna Tov	wer Wer	
	Test Instruments:	Refer to section	5.8 for de	etails	 S				
	Test mode:	Refer to section	5.3 for de	etails	S				
	Test results:	Passed							





802.11b mode:

Product Name:	MOBILE PHONE	Product Model:	GO1008
Test By:	YT	Test mode:	802.11b Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%
120 Level (dBuV/m)			



				Frequ	iency (MHz	.)			
	Freq		Antenna Factor				Limit Line	Over Limit	Remark
	MHz	—dBu₹			<u>ab</u>	$\overline{dBuV/m}$	dBu√/m	<u>dB</u>	
1 2	2390.000 2390.000			4.69 4.69	0.00 0.00			-23.29 -12.93	

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.





Produ	uct Name:	MOBILE F	PHONE		Pro	duct Mod	el: G	GO1008	
Test E	Ву:	YT			Tes	st mode:	80	02.11b Tx r	mode
Test C	Channel:	Lowest ch	nannel		Pol	larization:	Н	orizontal	
Test \	Voltage:	AC 120/6	0Hz		Env	vironment	: Т	emp: 24 ℃	Huni: 57%
	evel (dBuV/m)				·				
120	ever (dbdv/iii)								
110									
									m
90								1	
								FCC	PART 15 (PK)
70									
									and the same of th
								PCC	PART 15 (AV)
50√	mmmmmm	www.		~~~	·~~	~~~~	my	PCC	PART 15 (AV)
50√	mmann	m	~~~~~~	~~~	·~~~	mm	vany V	~~♥CC	PART 15 (AV)
50 v	maran	~~~	-and	~~~	~~~~	mm	v d	PCC	PART 15 (AV)
	mmnmm	Many	~~~~~	~~~~	~~~	M	vm²v/	PCC	PART 15 (AV)
	mmnum	arana arana		~~~~	~~~	mm	vm²v/	PCC	PART 15 (AV)
30 10	310 2320		235		~~~		vm²V	PCC	
30 10			235	Freq	uency (MH		2		
30 10	2310 2320	ReadA		Freq Cable	Preamp			Over	2422
30 10	2310 2320	ReadA	235 intenna Factor	Freq Cable	Preamp Factor		Line	Over Limit	2422
30 10	2310 2320 Freq	ReadA Level	235 intenna Factor — dB/m	Freq Cable Loss dB	Preamp Factor dB	Level dBuV/m 49.67	Line dBuV/m 74.00	Over Limit ———————————————————————————————————	2422 Remark

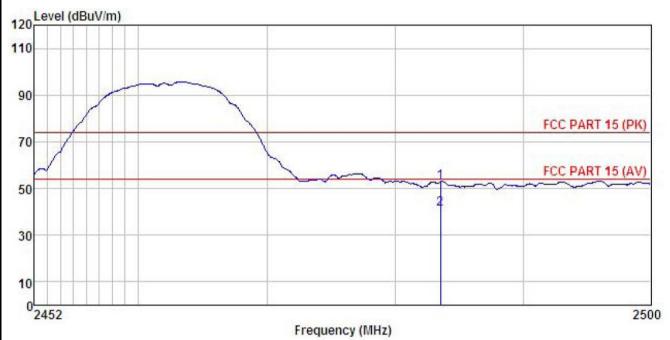
^{1.} Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

^{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:	802.11b Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



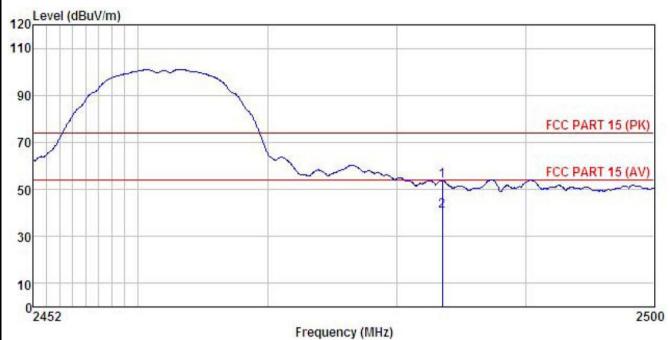
	Freq		Antenna Factor			Level	Limit Line		Remark
	MHz	dBu∀	<u>dB</u> /m		<u>ab</u>	$\overline{dBuV/m}$	$\overline{dBuV/m}$	<u>db</u>	
1 2	2483.500 2483.500			4.81 4.81		52.87 41.12			

- 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:	802.11b Tx mode	
Test Channel:	Highest channel	Polarization:	Horizontal	
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%	



		Read	Antenna	contract the same	Dreamn		Limit	Over	
	Freq		Factor						Remark
	MHz	dBu∜	<u>dB</u> /m	dB	<u>ab</u>	$\overline{dBuV/m}$	dBuV/m	dB	
1	2483.500	21.30	27.57	4.81	0.00	53.68	74.00	-20.32	Peak
2	2483.500	8.56	27.57	4.81	0.00	40.94	54.00	-13.06	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.





802.11g mode:

Product Name:	MOBILE PHONE	Product Model:	GO1008		
Test By:	YT	Test mode:	802.11g Tx mode		
Test Channel:	Lowest channel	Polarization:	Vertical		
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%		
120 Level (dBuV/m)					
110					
90			FCC PART 15 (PK)		
70			FEC PART IS (PR)		
50 mm ~~	mandaman	mann 1	FCC PART 15 (AV)		
30					
10					
⁰ 23 1 0 2320	2350 Frequency	(MHz)	2422		

			Frequ	lency (WHZ	.)			
Freq		Antenna Factor				Limit Line		Remark
MHz	dBu∜	$\overline{}\overline{dB}/\overline{m}$		<u>d</u> B	$\overline{dBuV/m}$	dBu√/m	<u>dB</u>	
2390.000 2390.000			4.69 4.69				-18.41 -12.73	

Remark:

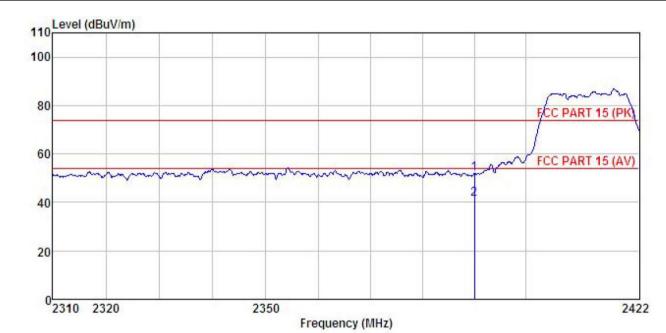
1 2

- 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:	802.11g Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq		Antenna Factor						Remark
-	MHz	—dBu∜		<u>dB</u>	<u>dB</u>	$\overline{dBuV/m}$	$\overline{dBuV/m}$	дв	
	2390.000 2390.000								

- 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.





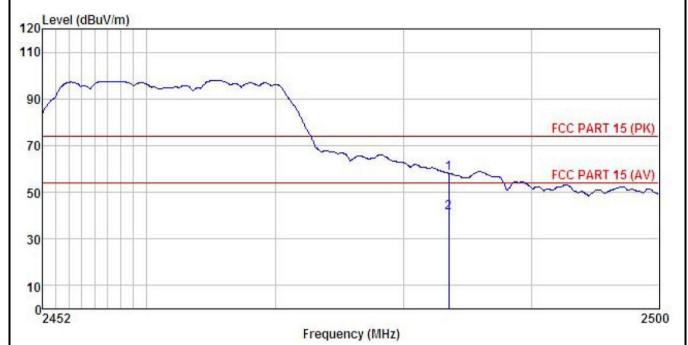
Product Name:	MOBILE PHONE		Pro	duct Mod	el: G	O1008		
Test By:	YT		Tes	st mode:	8	02.11g Tx	mode	
Test Channel:	Highest channel		Pol	larization:	V	ertical		
Test Voltage:	AC 120/60Hz		Env	vironment	: Т	Temp: 24℃ Huni: 57%		
120 Level (dBuV/m)								
90	~~~	1				FCC I	PART 15 (PK)	
50		h	~	1	~~	FCC	PART 15 (AV)	
30				2				
10 0 2452							2500	
2432		Freque	ncy (MHz	2)			2500	
Freq	ReadAntenna Level Factor	Cable P Loss F	reamp actor	Level	Limit Line	Over Limit	Remark	
MHz	—dBuV —dB/m	dB -	₫B	$\overline{dBuV/m}$	dBu√/m	<u>dB</u>		
1 2483.500 2 2483.500	19.97 27.57 8.95 27.57	4.81 4.81	0.00 0.00	52.35 41.33	74.00 54.00	-21.65 -12.67	Peak 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 PHONE	Product Model:	GO1008	
Test By:	YT	Test mode:	802.11g Tx mode	
Test Channel:	Highest channel	Polarization:	Horizontal	
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%	



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

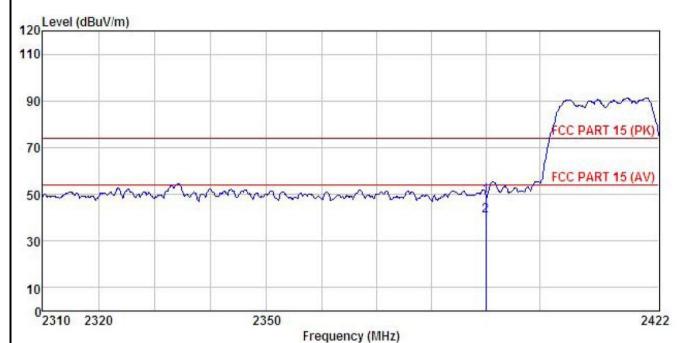
- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





802.11n(HT20):

Product Name:	MOBILE PHONE	Product Model:	GO1008		
Test By:	YT	Test mode:	802.11n(HT20) Tx mode		
Test Channel:	Lowest channel	Polarization:	Vertical		
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%		



	Freq		Antenna Factor					Over Limit	Remark
-	MHz	—dBu∇		<u>d</u> B	<u>ab</u>	$\overline{dBuV/m}$	$\overline{dBuV/m}$	<u>d</u> B	
1 2	2390.000 2390.000								

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				duct Mod	el:	GO1008		
Test By	/ :	YT			Tes	st mode:		802.11n(HT	20) Tx mode	
Test Ch	nannel:	Lowest ch	nannel		Pol	arization:		Horizontal		
Test Vo	oltage:	AC 120/6	0Hz		Env	vironment	:	Temp: 24℃	Huni: 57%	
Love	ol (dBu\//m)						•			
120	rel (dBuV/m)									
110									-	
90								~~	m	
								FCC	PART 15 (PK)	
-	-									
70								7		
70							1/	L a FEET	DART 15 (AVA	
50~~~	~~~~~	m Ann	man	Luman	m pronon	m.~~	~~~	FCC FCC	PART 15 (AV)	
	www	m	man	humana	m	man	~ 1	FCC	PART 15 (AV)	
50~~~	www.	maran	mann	haman	more	<u>~~~</u>	~}	FCC	PART 15 (AV)	
	~~~	mm	mm	human	m	mm	~ 2	FCC	PART 15 (AV)	
50~~~ 30	~~~	man.	man 1	hammer	more	m	~ 2	FCC	PART 15 (AV)	
50 ~~~ 30 —	mw.		man	home	more	-	~ 2	FCC	PART 15 (AV)	
50~~~ 30		man.	2350			-	~~~	FCC	PART 15 (AV)	
30		Roadi		Frequ	iency (MHz		N. J. ini		2422	
30	10 2320		2350 untenna Factor	Frequ Cable	Preamp	i i ar suss	Limi Lir	t Over	2422	
30	10 2320		ntenna	Frequ Cable	Preamp Factor	i i ar suss	Lir	t Over	2422	
30	0 2320 Freq	Level	ntenna Factor ——dB/m	Frequ Cable Loss	Preamp Factor dB	Level	Lir dBuV/	t Over	2422 Remark	

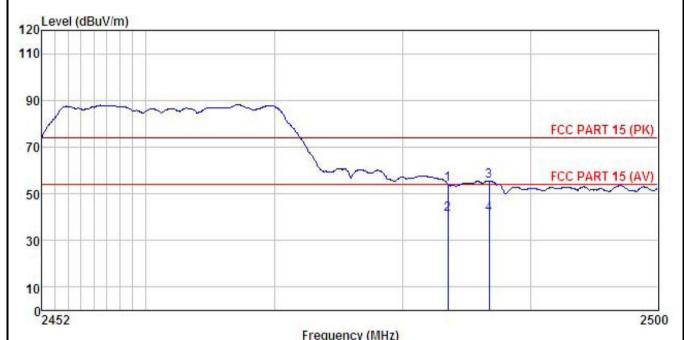
^{1.} Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

^{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:	802.11n(HT20) Tx mode		
Test Channel:	Highest channel	Polarization:	Vertical		
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%		



	Freq		Antenna Factor	Cable		Lina	Limit Line	Over Limit	Remark
	MHz	dBu₹				dBuV/m			
1	2483.500	21.58		4.81	0.00			-20.04	
2	2483.500 2486.755	8.59 23.18	27.58	4.81	0.00	55.57	74.00	-18.43	
4	2486.755	8.75	27.58	4.81	0.00	41.14	54.00	-12.86	Average

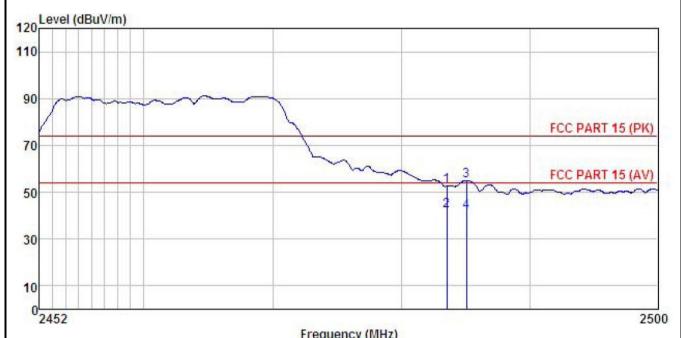
^{1.} Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

^{2.} The emission levels of other frequencies are very lower than the limit and not show in test report.





Product Name:	MOBILE PHONE	Product Model:	GO1008
Test By:	YT	Test mode:	802.11n(HT20) Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq		Antenna Factor			i tan awar	Limit Line	Over Limit	Remark
	MHz	dBu₹	<u>dB</u> /m	<u>d</u> B	<u>d</u> B	dBuV/m	dBuV/m	<u>dB</u>	
1	2483.500	20.22	27.57	4.81	0.00	52.60	74.00	-21.40	Peak
2	2483.500	9.73	27.57	4.81	0.00	42.11	54.00	-11.89	Average
3	2485.069	22.67	27.58	4.81	0.00			-18.94	
4	2485.069	9.09	27.58	4.81	0.00	41.48	54.00	-12.52	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.



### 6.7 Spurious Emission

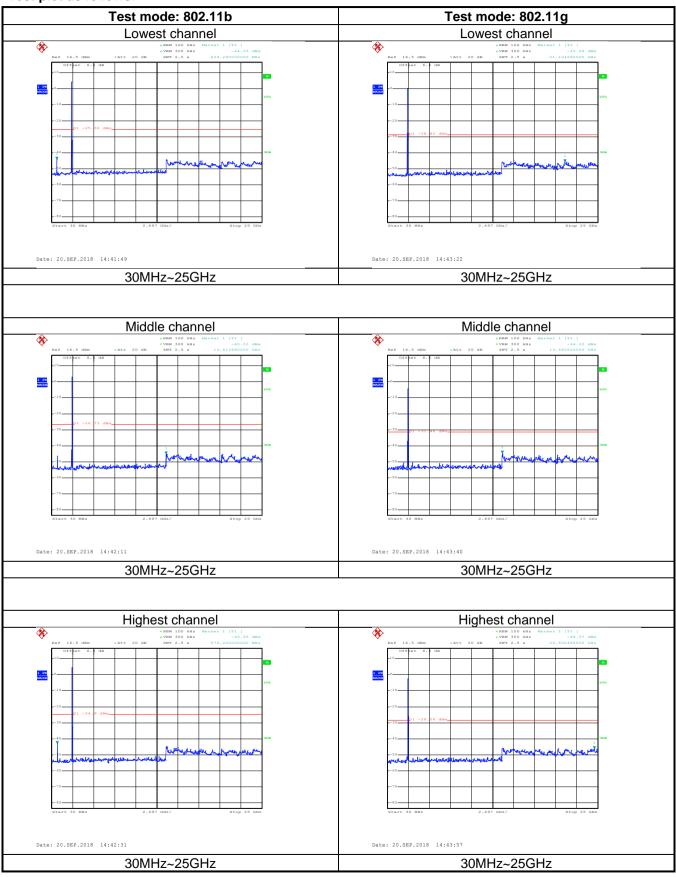
### 6.7.1 Conducted Emission Method

0.7.1 Conducted Emission						
Test Requirement:	FCC Part 15 C Section 15.247 (d)					
Test Method:	ANSI C63.10:2013 and KDB 558074					
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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.					
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane					
Test Instruments:	Refer to section 5.8 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					
·						



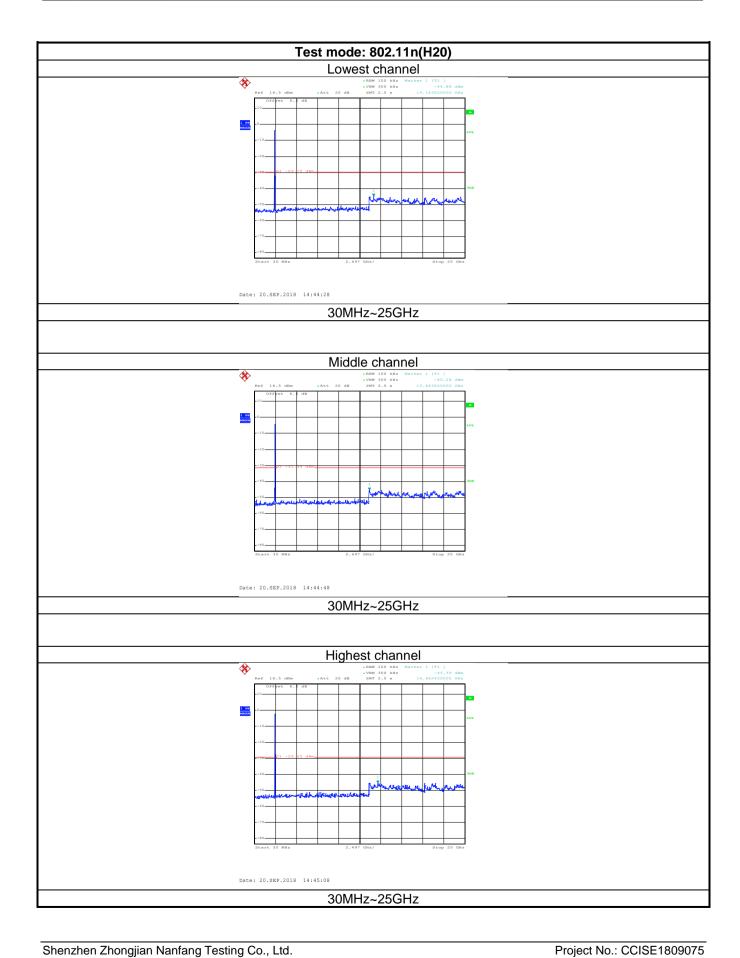


### Test plot as follows:













### 6.7.2 Radiated Emission Method

6.7.2 Radiated E	mission Me	ethod							
Test Requirem	ent:	FCC Part 15 C S	ection 15.20	9 and 15.205					
Test Method:		ANSI C63.10:201	3						
Test Frequenc	y Range:	9kHz to 25GHz							
Test Distance:		3m							
Receiver setup	):	Frequency	Detector	RBW	VBW		Remark		
		30MHz-1GHz	Quasi-peal			0KHz	Quasi-peak Value		
		Above 1GHz	Peak RMS	1MHz		MHz	Peak Value		
Limit:		Frequency		MS 1MHz 3I Limit (dBuV/m @3m)			MHz Average Value Remark		
Liiiit.		30MHz-88MH		40.0	,,,,	Q	uasi-peak Value		
		88MHz-216MH		43.5			uasi-peak Value		
		216MHz-960M	Hz	46.0			uasi-peak Value		
		960MHz-1GH	Z	54.0		Q	uasi-peak Value		
		Above 1GHz		54.0		,	Average Value		
	Test Procedure:			74.0 the top of a rot			Peak Value		
		The table was highest radia?  The EUT was antenna, who tower.  The antenna the ground to Both horizon make the med.  For each suscase and the meters and to find the med.  The test-reconspecified Base.  If the emission the limit spen of the EUT we have 10dB med.	as rotated 36 ation. s set 3 meterich was mount height is van determine tal and verties asurement. Spected emigen the anten he rota table aximum real eiver system and width with on level of the cified, then the vould be reparagin would	ers away from to the top the maximum cal polarization assion, the EUT has was turned from the was turned from the maximum to a was turned from the country of the EUT in peak the esting could be corted. Otherwise to content the country of the EUT in peak the esting could be corted. Otherwise the country of the extent to	the interpretation of	erferer variable to four of the ante degree etect Fude. e was a ped an e emiss a one u	re-height antenna remeters above field strength. enna are set to ed to its worst m 1 meter to 4 es to 360 degrees unction and 10dB lower than d the peak values ions that did not sing peak, quasi-		
Test setup:		Below 1GHz  EUT  Tum Table  Ground P	dilini,						





	Above 1GHz
	Horn Anlenna Antenna Tower  Ground Reference Plane  Test Receiver  Test Receiver  Test Receiver  Test Receiver
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
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 30MHz is too low, so only shows the data of above 30MHz in this report.</li> </ol>





### Measurement Data (worst case):

### **Below 1GHz:**

Toduci	Name:	MOBILE	PHONE		Pro	duct Mode	el: C	GO1008		
est By	:	YT			Tes	t mode:	V	Vi-Fi Tx mo	ode	
est Fre	equency:	30 MHz ~	- 1 GHz		Pola	arization:	١	/ertical		
est Vo	Itage:	AC 120/6	60Hz		Env	rironment:	: Т	emp: 24℃	Hu	ni: 57%
Lovo	l (dBuV/m)						·			
80 Leve	a (dbdv/iii)									
70										
60								ECI	CDART	15.247
50								10	CFAIN	15.247
30							-			
40										
204										
301				4				March State of the	6	Albadon Production
20		2	3	10		5			in the state of the	
20	94	A STATE OF THE STA		7.1 11		1.	1 1 1 40	A AND PROPERTY.		
Under	manufacture	The state of the s	1 Holling	ر المالين	whitehalle	pullhan han	reference of the	of which of the factor of		
10	manufacture	The state of the s	notehold for	while	Lichtendila	people hand com	Madhandaria	A A STATE OF THE STATE OF		
10	manufacture of the second		White Mary		Land Mandellan	yesh Makan Maka	Madringhaman			
10	50	The state of the s	100	Freq	200 uency (MH	politicania.	A market and a market	500		1000
10			Antenna	Cable	uency (MH: Preamp		Limit	500 Over		1000
10	50 Freq			Cable	uency (MH		Market	500 Over		1000
10			Antenna	Cable	uency (MH Preamp Factor		Limit Line	500 Over Limit		1000
030	Freq MHz	Level ——dBuV	Antenna Factor ——dB/m	Cable Loss dB	uency (MH Preamp Factor dB	Level	Limit Line	500 Over Limit	Rema	1000
030	Freq	Level	Antenna Factor	Cable Loss	uency (MH Preamp Factor	Level	Limit Line dBuV/m	500 Over Limit		1000
030	Freq MHz 30.317 57.796 100.229	Level dBuV 45.34 36.43 35.06	Antenna Factor dB/m 10.68 12.75 11.71	Cable Loss dB 0.78 1.37 1.94	Preamp Factor dB 29.98 29.78 29.53	Level dBuV/m 26.82 20.77 19.18	Limit Line dBuV/m 40.00 40.00 43.50	500 Over Limit ———————————————————————————————————	Rema QP QP QP QP	1000
030	Freq MHz 30.317 57.796 100.229 144.842	Level  dBuV  45.34 36.43 35.06 43.87	Antenna Factor — dB/m 10.68 12.75 11.71 8.35	Cable Loss dB 0.78 1.37 1.94 2.45	uency (MH: Preamp Factor dB 29.98 29.78 29.53 29.25	Level  dBuV/m  26.82 20.77 19.18 25.42	Limit Line dBuV/m 40.00 40.00 43.50 43.50	500 Over Limit ———————————————————————————————————	Rema QP QP QP QP QP	1000
10	Freq MHz 30.317 57.796 100.229	Level dBuV 45.34 36.43 35.06	Antenna Factor dB/m 10.68 12.75 11.71	Cable Loss dB 0.78 1.37 1.94	Preamp Factor dB 29.98 29.78 29.53	Level  dBuV/m  26.82 20.77 19.18 25.42	Limit Line dBuV/m 40.00 40.00 43.50 43.50 46.00	500 Over Limit ———————————————————————————————————	Rema QP QP QP QP QP QP	1000

### 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.





	Name:	MOBILE PHONE  YT  30 MHz ~ 1 GHz				duct Mod	el: C	GO1008 Wi-Fi Tx mode					
Test By:						t mode:	V						
Test Free	quency:					Polarization:		Horizontal					
Test Volt	age:	AC 120/6	0Hz		Env	rironment	: 7	Temp: 24°C Huni: 57			Temp: 24°C Huni		
	up III-i				•								
80 Level	(dBuV/m)												
70													
70													
60													
								FCC	PART 1	5.247			
50					-								
40													
30									6	100			
1					4		_	and an extended	auryan dan diffe	Victor Color			
20	- 26		3		4	ما ما در در معادت	In dolar older	Abola da proprieta de la constitución de la constit	BUT WAS A PROPERTY OF A PROPER	ALERS AND			
1	man hayandayan halfa	honatura Managaria	server and the	Managalala	when the water	h-paradarantakh	- Indonésia	all the state of t	non-photobox diffe	resident from			
10	man house had a few house had a few house he was a	hradove become welled	Market and the	Manuella	wheel makes	of-renewadenced with	- Andrew order	all house of the strong	nor-portunity	The state of the s			
20	50	hrakwelkenwerse	100	Manuelleles	almin de malar	n <del>)-ransada</del> nasia <del>ndi</del> k	5 Aprilotesto delpri	500	europal de président de la constant	1000			
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10 4,,,,,		Read	100 Antenna	Cable	ency (MHz Preamp	Nav sest	Limit	500 Over		1000			
10 4,,,,,	Freq	Read. Level	100 Antenna Factor	Cable Loss	ency (MHz Preamp Factor	Level	Limit Line	500 Over Limit		1000			
10		Read. Level	100 Antenna Factor	Cable Loss	ency (MHz Preamp Factor	Level	Limit Line	500 Over Limit		1000			
10 030	Freq	Read. Level	100 Antenna Factor	Cable Loss	ency (MHz Preamp Factor dB	Level	Limit Line	500 Over Limit	Remai	1000			
20 10 0 30	Freq MHz 30.105 53.505	Read. Level dBuV 39.48 30.07	100 Antenna Factor dB/m 10.63 13.47	Cable Loss dB 0.72 1.32	Preamp Factor dB 29.98 29.81	Level dBuV/m 20.85 15.05	Limit Line dBuV/m 40.00	500 Over Limit ———————————————————————————————————	Remai  QP QP	1000			
20 10 0 30	Freq MHz 30.105 53.505 110.182	Read. Level dBuV 39.48 30.07 29.79	100 Antenna Factor dB/m 10.63 13.47 12.26	Cable Loss dB 0.72 1.32 2.05	ency (MHz Preamp Factor dB 29.98 29.81 29.46	Level  dBuV/m  20.85 15.05 14.64	Limit Line dBuV/m 40.00 40.00 43.50	500 Over Limit ———————————————————————————————————	Remai QP QP QP QP	1000			
20 10 0 30	Freq MHz 30.105 53.505	Read. Level dBuV 39.48 30.07 29.79 35.11	100 Antenna Factor dB/m 10.63 13.47	Cable Loss dB 0.72 1.32	ency (MHz Preamp Factor dB 29.98 29.81 29.46 28.89	Level dBuV/m 20.85 15.05	Limit Line dBuV/m 40.00 40.00 43.50 43.50	500 Over Limit ———————————————————————————————————	Remai  QP QP	1000			

^{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.





#### Above 1GHz

Above 1GHz								
				802.11b				
			Test ch	annel: Lowe	est channel			
			De	tector: Peak	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
4824.00	48.62	30.94	6.81	41.82	44.55	74.00	-29.45	Vertical
4824.00	49.02	30.94	6.81	41.82	44.95	74.00	-29.05	Horizontal
			Dete	ctor: Averag	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
4824.00	39.62	30.94	6.81	41.82	35.55	54.00	-18.45	Vertical
4824.00	38.15	30.94	6.81	41.82	34.08	54.00	-19.92	Horizontal
			Test ch	annel: Midd	le channel			
			De	tector: Peak	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
4874.00	48.71	31.20	6.85	41.84	44.92	74.00	-29.08	Vertical
4874.00	49.69	31.20	6.85	41.84	45.90	74.00	-28.10	Horizontal
			Dete	ctor: Averag	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
4874.00	39.23	31.20	6.85	41.84	35.44	54.00	-18.56	Vertical
4874.00	38.15	31.20	6.85	41.84	34.36	54.00	-19.64	Horizontal
				annel: Highe				
		T T		tector: Peak	Value		I	
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
4924.00	49.56	31.46	6.89	41.86	46.05	74.00	-27.95	Vertical
4924.00	49.31	31.46	6.89	41.86	45.80	74.00	-28.20	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
4924.00	39.68	31.46	6.89	41.86	36.17	54.00	-17.83	Vertical
4924.00 Remark:	40.01	31.46	6.89	41.86	36.50	54.00	-17.50	Horizontal

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





				802.11g				
			Test ch	annel: Lowe	est channel			
				tector: 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
4824.00	49.58	30.94	6.81	41.82	45.51	74.00	-28.49	Vertical
4824.00	48.11	30.94	6.81	41.82	44.04	74.00	-29.96	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
4824.00	39.74	30.94	6.81	41.82	35.67	54.00	-18.33	Vertical
4824.00	38.52	30.94	6.81	41.82	34.45	54.00	-19.55	Horizontal
			<b>T</b> ( )	1. 54: 1				
				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
4874.00	49.63	31.20	6.85	41.84	45.84	74.00	-28.16	Vertical
4874.00	48.71	31.20	6.85	41.84	44.92	74.00	-29.08	Horizontal
			Dete	ctor: Averag	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
4874.00	39.51	31.20	6.85	41.84	35.72	54.00	-18.28	Vertical
4874.00	38.56	31.20	6.85	41.84	34.77	54.00	-19.23	Horizontal
			Test ch	annel: Highe	est channel			
			De	tector: Peak	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
4924.00	49.17	31.46	6.89	41.86	45.66	74.00	-28.34	Vertical
4924.00	49.25	31.46	6.89	41.86	45.74	74.00	-28.26	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
4924.00	40.36	31.46	6.89	41.86	36.85	54.00	-17.15	Vertical
4924.00	39.72	31.46	6.89	41.86	36.21	54.00	-17.79	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.





				802.11n(HT	(20)			
				annel: Lowe				
				tector: 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
4824.00	49.65	36.06	6.81	41.82	50.70	74.00	-23.30	Vertical
4824.00	48.72	36.06	6.81	41.82	49.77	74.00	-24.23	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
4824.00	38.55	36.06	6.81	41.82	39.60	54.00	-14.40	Vertical
4824.00	39.26	36.06	6.81	41.82	40.31	54.00	-13.69	Horizontal
			Test ch	annel: Mido	lle channel			
			De	tector: Peak	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
4874.00	49.56	36.32	6.85	41.84	50.89	74.00	-23.11	Vertical
4874.00	48.17	36.32	6.85	41.84	49.50	74.00	-24.50	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
4874.00	39.56	36.32	6.85	41.84	40.89	54.00	-13.11	Vertical
4874.00	40.11	36.32	6.85	41.84	41.44	54.00	-12.56	Horizontal
			Test ch	annel: Highe	est channel			
				tector: 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
4924.00	49.62	36.58	6.89	41.86	51.23	74.00	-22.77	Vertical
4924.00	48.25	36.58	6.89	41.86	49.86	74.00	-24.14	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
4924.00	39.74	36.58	6.89	41.86	41.35	54.00	-12.65	Vertical
4924.00	38.53	36.58	6.89	41.86	40.14	54.00	-13.86	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.