

Page 1 of 68

# FCC Test Report

# Report No.: AGC04424180601FE03

FCC ID	: 2AFL7-AAVANTEBAR
APPLICATION PURPOSE	: Original Equipment
PRODUCT DESIGNATION	: Bluetooth Sounbar and Subwoofer
BRAND NAME	: boAt
MODEL NAME	: Aavante Bar
CLIENT	: Imagine Marketing Pvt. Ltd.
DATE OF ISSUE	: Jun. 22, 2018
STANDARD(S) TEST PROCEDURE(S)	: FCC Part 15 Subpart C Section 15.249
<b>REPORT VERSION</b>	• V1.0
	Compliance

# Attestation of Global Compliance (Shenzhen) Co., Ltd

#### **CAUTION:**

This report shall not be reproduced except in full without the written permission of the test laboratory and shall not be quoted out of context.



The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



Report No.: AGC04424180601FE03 Page 2 of 68

And the star				The come the temper
Report Version     Revise Time     Issued Date     Valid Version		Notes		
V1.0		Jun. 22, 2018	Valid	Initial release

#### **Report Revise Record**

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.





Report No.: AGC04424180601FE03 Page 3 of 68

# TABLE OF CONTENTS

1. VERIFICATION OF CONFORMITY	4
2. GENERAL INFORMATION	5
2.1. PRODUCT DESCRIPTION 2.2. TABLE OF CARRIER FREQUENCYS	5 5
3. MEASUREMENT UNCERTAINTY	
4. DESCRIPTION OF TEST MODES	
5. SYSTEM TEST CONFIGURATION	8
5.1. CONFIGURATION OF EUT SYSTEM 5.2. EQUIPMENT USED IN EUT SYSTEM 5.3. SUMMARY OF TEST RESULTS	8 9
6. TEST FACILITY	
7.TEST METHOD	
8. TEST EQUIPMENT LIST	
9. RADIATED EMISSION	12
9.1TEST LIMIT 9.2. MEASUREMENT PROCEDURE 9.3. TEST SETUP 9.4. TEST RESULT	12 13 15
10. BAND EDGE EMISSION	17
10.1. MEASUREMENT PROCEDURE 10.2 TEST SETUP 10.3 RADIATED TEST RESULT	39 39 40
11. 20DB BANDWIDTH	44
11.1. MEASUREMENT PROCEDURE 11.2. TEST SET-UP 11.3. LIMITS AND MEASUREMENT RESULTS	44 44 44
12. FCC LINE CONDUCTED EMISSION TEST	
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST	52 52 53
APPENDIX A: PHOTOGRAPHS OF TEST SETUP	55
APPENDIX B: PHOTOGRAPHS OF EUT	58

The results showing the streport refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGE, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gett.com.



#### Report No.: AGC04424180601FE03 Page 4 of 68

Applicant	Imagine Marketing Pvt. Ltd.
Address	119 FIRST FLOOR, SHAH AND NAHAR SOCIETY, OFF DR E MOSES ROAD, WORLI, MAHARASHTRA, MUMBAI, India
Manufacturer	Shenzhen Fudeyuan Digital technology Co.ltd
Address	AJS Industrial park, Xinqiao 3rd Industail Zone, Shajing, Bao'an District, Shenzhen
Product Designation	Bluetooth Sounbar and Subwoofer
Brand Name	boAt
Test Model	Aavante Bar
Date of test	Jun. 15, 2018 to Jun. 18, 2018
Deviation	None
Condition of Test Sample	Normal
Report Template	AGCRT-US-BR/RF

# **1. VERIFICATION OF CONFORMITY**

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, the energy emitted by the sample tested as described in this report is in compliance with the requirements of FCC Rules Part 15.249. The test results of this report relate only to the tested sample identified in this report.

Tested By

Hame Zhang

Henry Zhang(Zhang Zhuorui) Jun. 18, 2018

we chang

**Reviewed By** 

Cool Cheng(Cheng Mengguo) Jun. 22, 2018

west in

Approved By

Forrest Lei(Lei Yonggang) Authorized Officer

Jun. 22, 2018

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



Report No.: AGC04424180601FE03 Page 5 of 68

#### 2. GENERAL INFORMATION 2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

<b>Operation Frequency</b>	2.402 GHz to 2.480GHz
RF Output Power	0.78dBm(Max EIRP Power=Max radiation field-95.2)
Bluetooth Version	V2.1+EDR
Modulation	BR ⊠GFSK, EDR ⊠π /4-DQPSK, ⊠8DPSK BLE □GFSK
Number of channels	79 for BR/EDR
Hardware Version	FS68HS Ver1.0
Software Version	upgrade_Dragon_SDK_Aavante_Bar Ver1.3
Antenna Designation	PCB Antenna
Antenna Gain	0dBi
Power Supply	AC110-240V 50/60Hz
Note: The USB port only	used for play by connecting to U-disk and can't be used to transfer data with PC.

#### 2.2. TABLE OF CARRIER FREQUENCYS

#### BR/EDR channel List

Frequency Band	Channel Number	Frequency	
NO	0	2402MHz	
The the second		2403MHz	
C Franklin a Global C C			
GC SCU	38	2440 MHz	
2400~2483.5MHz	39	2441 MHz	
The Compares Compares	40	2442 MHz	
accient SGC from S			
	77	2479 MHz	
The Hard	78	2480 MHz	

The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gett.com.



Report No.: AGC04424180601FE03 Page 6 of 68

#### 3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y  $\pm$ U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%. - Uncertainty of Conducted Emission, Uc =  $\pm$ 3.2 dB

- Uncertainty of Radiated Emission below 1GHz,  $Uc = \pm 3.9 \text{ dB}$
- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB

NO.	TEST MODE DESCRIPTION
C The Ind Cool	Low channel GFSK
2 60	Middle channel GFSK
3	High channel GFSK
4	Low channel π /4-DQPSK
S 5	Middle channel π /4-DQPSK
6	High channel π /4-DQPSK
7	Low channel 8DPSK
8	Middle channel 8DPSK
9	High channel 8DPSK
10	BT Link

#### 4. DESCRIPTION OF TEST MODES

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.





Report No.: AGC04424180601FE03 Page 7 of 68

Pile Yier Yindow LindControl Auth SY LindColicy Sgitting Testing TCI Beta TgstCases Profile Help     Save Copy Print Reset Inquire Creat. Pump Tran Asyn Bisc Setu Sync Disc Broat     Application Trace HCI Trace     Bise HCI Trace </th <th>C</th> <th></th> <th>Software Setting</th> <th>the state</th> <th>ionce to</th>	C		Software Setting	the state	ionce to
Swee   Oryy   Print   Reset   Inquire Creat Pump Tran Asyn Disc Setu Sync Disc Broat     Application Trace   Ho1 Trace   Baseband   Test     Timestamp   1254:13:265, 31/07   Data path:   ACL   Yulue: 0x0000f1ff     1254:13:265, 31/07   Data path:   ACL   Syncword:   E23A1A33CE2C7A4E     1254:13:263, 31/07   Burst:   burst   Packet type:   DH1/2DH1 v   TX Test     1254:13:263, 31/07   Hessage type:   0-00000000(v   packet length:   1B   Stop Test     1254:13:263, 31/07   Message data:   01010101010101010101   AM address:   0   Close   Packet comound 1     1254:13:263, 31/07   Filesond   TX   TX   Tot Prite_PHT_Begister   Length: 10, Menory type: APB SFI mempory. Length: 1, address: 0x0000024     1254:14:263, 31/07   TX   TX   TX	OA Host Controlle	er Tester - [COM2, BD_ADDR: AE:2	D:22:11:58:76, Local Name: RDA bt	, Core revision: 12]	_ 🗆 🛛
Save Copy Print Reset Inquire Creat. Pump Tran Axyn Disc Setu Sync Disc Broa	ile ⊻iew <u>W</u> indow Lin	kControl Auth SSP LinkPolicy Satting	<u>T</u> esting TC <u>I</u> <u>D</u> ata T <u>e</u> stCases <u>P</u> rofile <u>H</u> el;	2	_ 8 ×
Timestang   Hop select:   0   PRBS init:   111111111   IM   , wlue: 0.000001ff     12:54 13:25, 31/07   Data path:   ACL   Syncword:   E23A1A33CE2C7A4E   Register, Command 4, vlue: 0.00001ff     12:54 13:25, 31/07   Data path:   ACL   Syncword:   E23A1A33CE2C7A4E   Register, Command 4, vlue: 0.00001ff     12:54 13:26, 31/07   Data path:   ACL   Packet type:   DH1/2DH1   TX Test     12:54 13:26, 31/07   Burst:   burst   Packet type:   DH1/2DH1   TX Test     12:54 13:26, 31/07   Burst:   burst   Packet length:   1B   Stop Test     12:54 13:26, 31/07   Message type:   0-00000000(-   packet length:   1B   wlue: 0.000000000(-     12:54 13:26, 31/07   Message data:   01010101010101010101010101010101010101	we Copy Print	🛕 🥸 🌽 🥊 💷 Reset Inquire Crea Pump Tran			Received
12:55:13:265, 31/07   Hop select:   0   PRBS init:   11111111   1M   , value: 0.00001fff     12:55:13:263, 31/07   Data path:   ACL   >   Syncword:   E23A1A33CE2C7A4E   , value: 0.00001fff     12:55:13:263, 31/07   Data path:   ACL   >   Syncword:   E23A1A33CE2C7A4E   , value: 0.00001fff     12:55:13:263, 31/07   Burst:   burst   Packet type:   DH1/2DH1    TX Test     12:55:13:263, 31/07   Burst:   burst   packet type:   DH1/2DH1    TX Test     12:55:13:263, 31/07   Burst:   burst   packet type:   DH1/2DH1    TX Test     12:55:13:263, 31/07   Ressage type:   0-00000000 (*)   packet length:   1B   Stop Test     12:55:13:263, 31/07   Message data:   01010101010101010101010101   AM address:   0   Close     12:55:14:160, 31/07   Power level:   15   *   15   Register, Comand 4, evalue: Comood 4	cation Trace HCI Trace	Baseband Test			
12:54:13:64, 31/07   Data path:   ACL   Syncword:   E23A1A33CE2C7A4E      [sei:ter, Comsand, 1:54:13:64, 31/07]      12:54:13:64, 31/07   Burst:   burst   Packet type:   DH1/2DH1 ▼   TX Test     12:54:13:64, 31/07   Burst:   burst   Packet type:   DH1/2DH1 ▼   TX Test     12:54:13:64, 31/07   Burst:   burst   Packet type:   DH1/2DH1 ▼   TX Test     12:54:13:64, 31/07   Message type:   0-00000000 (▼   packet length:   1B   Stop Test     12:54:13:60, 31/07   Message data:   010101010101010101   AM address:   0   Close     12:54:13:60, 31/07   Power level:   15   ▼        12:54:13:60, 31/07   Power level:   15   ▼        12:54:14:60, 31/07   Power level:   15   ▼        12:54:14:60, 31/07   Power level:   15   ▼        12:54:14:60, 31/07   Power level:   15   ▼	:54:13:265, 31/07 :54:13:281, 31/07	Hop select: 0 💌	PRBS init: 111111111		, value: 0x0000f1ff _Register, Command Sta
12:54:13:603, 31/07   Burst:   burst   Packet type:   DH1/2DH1 ▼   TX Test   Register, Command 3     12:54:13:603, 31/07   Ressage type:   0-000000000(▼   packet length:   1B   Stop Test   , value: 0.00000152     12:54:13:613, 31/07   Message data:   010101010101010101   AM address:   0   Close   Register, Command 3     12:54:13:621, 31/07   12:54:13:621, 31/07   12:54:13:621, 31/07   Power level:   15    Nula: 0.00000152     12:54:14:03, 31/07   12:54:14:03, 31/07   Power level:   15      Register, Command 3	:54:13:375, 31/07 :54:13:484, 31/07	Data path: 🛛 🗹 💌	Syncword: E23A1A33CE2C7A		Register, Command Sta , value: 0x0000ffff
12:54:13:82, 31/07 12:54:13:82, 31/07 12:54:13:82, 31/07 12:54:14:03, 31/07 12:54:14:25, 31/07 13:54:14:25, 31/07 14:54:14:25, 31/07 15:54:14:25, 31/07	:54:13:593, 31/07 :54:13:609, 31/07	Burst: 🗾 🗾 💌	Packet type: DH1/2DH1 -		_negister, Command Sta , value: 0x0000ffff _Register, Command Sta , value: 0x0000ffff
12:54:13:621, 31/07   Message data:   Ulforforforforforforforforforforforforforf	:54:13:812, 31/07 :54:13:828, 31/07		Provoctorigan	otop rest	Register, Command Sta
12:54:14:40, 31/07   Power level:   15   , value: 0.00000079     12:54:14:40, 31/07   Power level:   15   , value: 0.00000079     12:54:14:40, 31/07   Register, Command 3   , value: 0.00000007     12:54:14:40, 31/07   TCI_Frite_PHT_Register   Length: 10, Memory type: APB SFI memory, Length: 1, address: 0x000002c0, value: 0.00000129     12:54:14:43, 33, 31/07   TX   TCI_Frite_PHT_Register   Length: 4, Number Of PHI Command Packets: 1, Command 1, Segister, Commond 1, 2:54:14:46, 31/07     12:54:14:48, 31/07   TX   TCI_Frite_PHT_Register   Length: 4, Number Of PHI Command Packets: 1, Command 1, 2:54:14:48, 31/07	:54:13:921, 31/07 :54:14:031, 31/07	Message data: 010101010101010101	AM address: 0		Register, Command Sta , value: 0x00004bb5
12:54:14:359, 31/07 TK TCL_Write_PTM_Register Length: 10, Memory type: AFB SFI mempory, Length: 1, address: 0x000002cd), value: 0x00000129 12:54:14:375, 31/07 RX HCI Command Complete Event Length: 4, Number Of MCI Command Packets: 1, Command Name: TCL_Write_PTM_Register, Command : Length: 10, Memory type: AFB SFI mempory, Length: 1, address: 0x000002cd), value: 0x00000129	::54:14:140, 31/07 ::54:14:140, 31/07 ::54:14:250, 31/07	Power level: 15 💌			, value: 0x00000079 Register, Command Sta , value: 0x00000000
	:54:14:359, 31/07		Length: 4, Number Of HCI Command Packets:	1, Command Name: TCI_Write_PHY	Register, Command Sta
					>

The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.cett.com.



# AGC <sup>®</sup>鑫 宇 环 检 测 Attestation of Global Compliance

#### Report No.: AGC04424180601FE03 Page 8 of 68

#### 5. SYSTEM TEST CONFIGURATION 5.1. CONFIGURATION OF EUT SYSTEM

Configure 1: (Normal hopping)

EUT

Configure 2: (Control continuous TX)



Control box

PC

#### 5.2. EQUIPMENT USED IN EUT SYSTEM

ltem	Equipment	Mfr/Brand	Model/Type No.	Remark
	Bluetooth Sounbar and Subwoofer	boAt	Aavante Bar	EUT
2	IPOD	APPLE	A1367	A.E
3	C PC	APPLE	A1465	A.E
4	Control box	SERIAL	N/A	A.E
5	USB Cable	N/A	1m unshielded	A.E
6	AUX in Cable	N/A	1m unshielded	Accessory
7	Remote Controller	QFX	N/A	Accessory
8	U-disk	Kingston	SDA10/16GB	A.E

The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.





Report No.: AGC04424180601FE03 Page 9 of 68

#### **5.3. SUMMARY OF TEST RESULTS**

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.249(a) §15.209	Radiated Emission	Compliant
§15.249(d)	Band Edges	Compliant
§15.207	Conduction Emission	Compliant
§15.215	Bandwidth	Compliant

The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.cett.com.





#### 6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd				
Location	1-2F., Bldg.2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District B112-B113, Bldg.12, Baoan Bldg Materials Center, No.1 of Xixiang Inner Ring Road, Baoan District, Shenzhen 518012				
NVLAP Lab Code	600153-0				
Designation Number	CN5028				
Test Firm Registration Number	682566				
Description     Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by Nation Voluntary Laboratory Accreditation program, NVLAP Code 600153-0					

The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.cett.com.



# AGC <sup>®</sup>鑫宇环检测 Attestation of Global Compliance

### 7. TEST METHOD

All measurements contained in this report were conducted with ANSI C63.10-2013

# 8. TEST EQUIPMENT LIST

#### TEST EQUIPMENT OF CONDUCTED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
Test Receiver	R&S	ESPI	101206	Jun.20, 2017	Jun.19, 2018
LISN	R&S	ESH2-Z5	100086	Aug.21, 2017	Aug.20, 2018

#### TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
Test Receiver	R&S	ESCI	10096	Jun.20, 2017	Jun.19, 2018
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec.08, 2017	Dec.07, 2018
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep.20, 2017	Sep.19, 2018
preamplifier	ChengYi	EMC184045SE	980508	Sep.15, 2017	Sep.14, 2018
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May 18, 2017	May 17, 2019
Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-205	Jun.20, 2017	Jun.19, 2018
Antenna	SCHWARZBECK	VULB9168	D69250	Sep.28, 2017	Sep.27, 2018
Loop Antenna	A.H.Systems,Inc	SAS-562B	<b>.</b> .	Mar. 01, 2018	Feb. 28, 2019
Radiation Cable 1	МХТ	RS1	R005	June 6, 2018	June 5, 2019
Radiation Cable 2	МХТ	RS1	R006	June 6, 2018	June 5, 2019
Filter (2.4-2.483GHz)	Micro-tronics	087		Jun.20, 2017	Jun.19, 2018

The results shows if this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.





# 9. RADIATED EMISSION

#### 9.1TEST LIMIT

Standard FCC15.249

Fundamental	Field Strength of Fundamental	Field Strength of Harmonics
Frequency	(millivolts/meter)	(microvolts/meter)
900-928MHz	50	500
2400-2483.5MHz	50 6 6	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

#### Standard FCC 15.209

Frequency	Distance	Field Strengths Limit				
(MHz)	Meters	μ V/m	dB(µV)/m			
0.009 ~ 0.490	300	2400/F(kHz)				
0.490 ~ 1.705	30	24000/F(kHz)				
1.705 ~ 30	30	30	E England Con Call			
30 ~ 88	3	100	40.0			
88 ~ 216	3	150	43.5			
216 ~ 960	3	200	46.0			
960 ~ 1000	3	500	54.0			
Above 1000	3 South States	Other:74.0 dB(µV)/m (Average)	(Peak) 54.0 dB(µV)/m			

Remark: (1) Emission level dB $\mu$  V = 20 log Emission level  $\mu$  V/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.com.



# AGC<sup>®</sup>鑫宇环检测 Attestation of Global Compliance

Report No.: AGC04424180601FE03 Page 13 of 68

#### 9.2. MEASUREMENT PROCEDURE

- The measuring distance of 3m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Below 1GHz)
- The measuring distance of 3m shall used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Above 1GHz)
- 3. The height of the test antenna shall vary between 1m to 4m.Both horizontal and vertical polarization Of the antenna are set to make the measurement.
- 4. The initial step in collecting radiated emission data is a receive peak detector mode. Pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- 5. All readings are peak unless otherwise stated QP in column of Note. Peak denoted that the Peak reading compliance with the QP limits and then QP Mode measurement didn't perform(Below 1GHz)
- 6. All readings are Peak mode value unless otherwise stated AVG in column of Note. If the Peak mode measured value compliance with the Peak limits and lower than AVG Limits, the EUT shall be deemed to meet Peak & AVG limits and then only Peak mode was measured, but AVG mode didn't perform.(Above 1GHz)

The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.





Report No.: AGC04424180601FE03 Page 14 of 68

Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	Fundamental: 2.4~2.483GHz RBW 2MHz/ VBW 6MHz for Peak, RBW 2MHz/ VBW 10Hz for Average Harmonics: 1GHz~25GHz RBW 1MHz/ VBW 3MHz for Peak, RBW 1MHz/ VBW 10Hz for Average
Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

The following table is the setting of spectrum analyzer and receiver.

The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.cett.com.

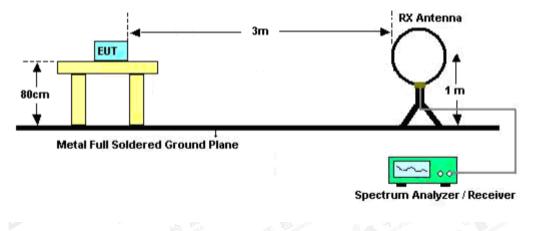




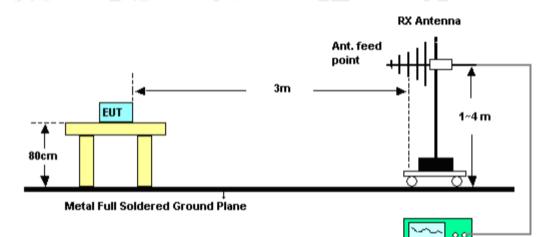
Report No.: AGC04424180601FE03 Page 15 of 68

#### 9.3. TEST SETUP

Radiated Emission Test-Setup Frequency Below 30MHz



#### RADIATED EMISSION TEST SETUP 30MHz-1000MHz



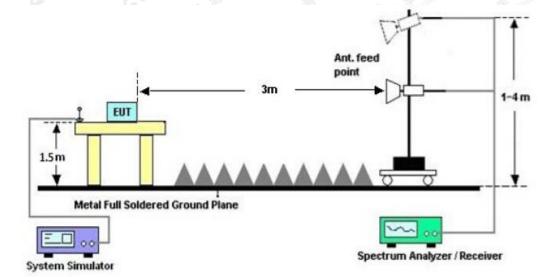
The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by (ACC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.



Spectrum Analyzer / Receiver



Report No.: AGC04424180601FE03 Page 16 of 68



RADIATED EMISSION TEST SETUP ABOVE 1000MHz

The results showed this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGE, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.ago-gett.com.





Report No.: AGC04424180601FE03 Page 17 of 68

9.4. TEST RESULT FOR BR/EDR (Worst modulation: GFSK)

#### **RADIATED EMISSION BELOW 30MHz**

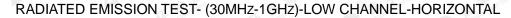
No emission found between lowest internal used/generated frequencies to 30MHz.

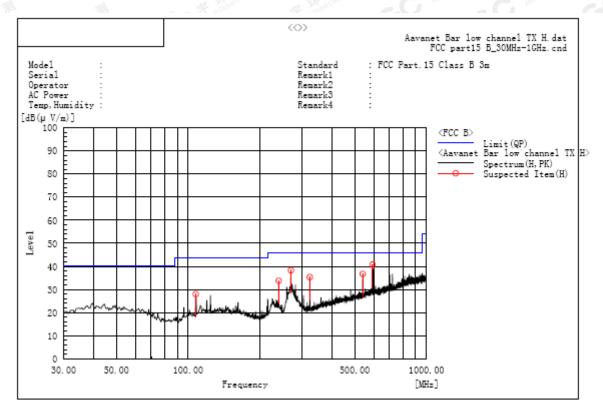
The results show of this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by (40°, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.





#### **RADIATED EMISSION BELOW 1GHz**



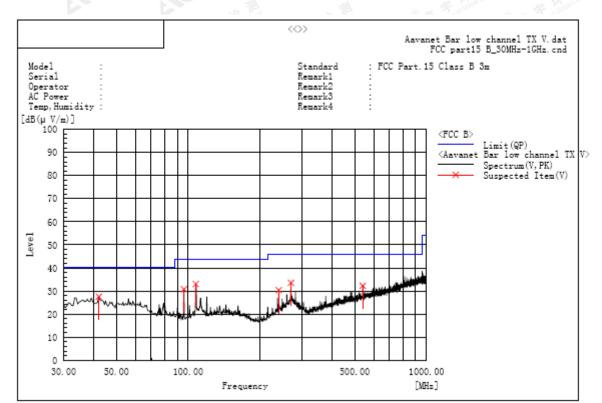


#### A. Suspected List:

Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
107.600	н	13.7	14.3	28.0	43.5	15.5	Pass	150.0	142.6
240.005	н	17.5	16.2	33.7	46.0	12.3	Pass	150.0	319.0
270.075	н	21.4	16.9	38.3	46.0	7.7	Pass	100.0	108.0
323.910	Н	17.4	17.9	35.3	46.0	10.7	Pass	100.0	71.6
540.220	Н	13.0	23.7	36.7	46.0	9.3	Pass	200.0	320.9
594.055	Н	16.0	24.8	40.8	46.0	5.2	Pass	150.0	106.8

#### RESULT: PASS

The results show of this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by ACC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.



#### RADIATED EMISSION TEST- (30MHz-1GHz)-LOW CHANNEL -VERTICAL

#### A. Suspected List:

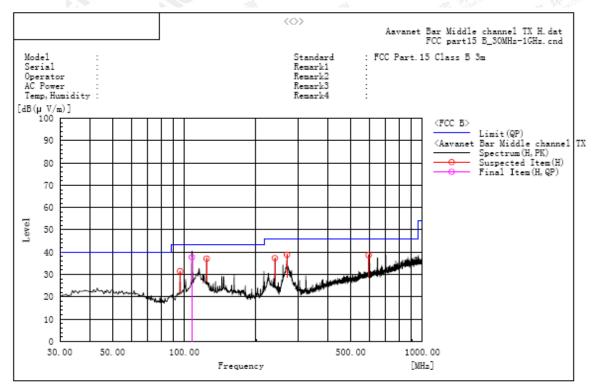
Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
42.125	v	10.1	17.4	27.5	40.0	12.5	Pass	200.0	221.8
95.960	v	18.0	12.8	30.8	43.5	12.7	Pass	100.0	49.0
107.600	v	18.7	14.3	33.0	43.5	10.5	Pass	150.0	108.3
240.005	v	14.2	16.2	30.4	46.0	15.6	Pass	200.0	329.5
270.075	v	16.7	16.9	33.6	46.0	12.4	Pass	200.0	4.5
540.220	v	8.5	23.7	32.2	46.0	13.8	Pass	150.0	181.3

#### **RESULT: PASS**

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



#### RADIATED EMISSION TEST- (30MHz-1GHz)-MIDDLE CHANNEL-HORIZONTAL

#### A. Suspected List:

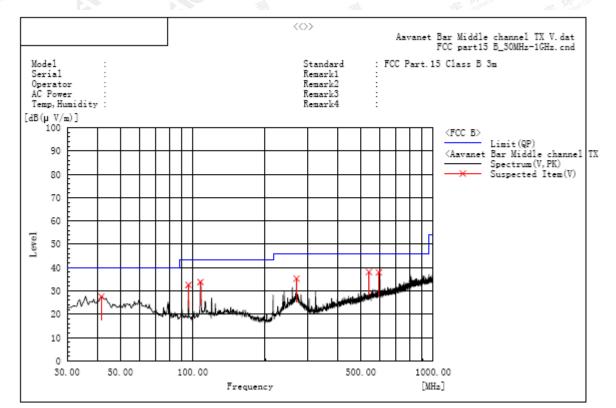
Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
95.960	н	18.1	13.3	31.4	43.5	12.1	Pass	200.0	338.6
124.090	н	20.8	16.3	37.1	43.5	6.4	Pass	200.0	193.6
240.005	н	20.3	17.0	37.3	46.0	8.7	Pass	100.0	72.8
270.075	н	21.3	17.5	38.8	46.0	7.2	Pass	150.0	287.8
594.055	н	12.8	25.8	38.6	46.0	7.4	Pass	150.0	142.8

#### B. Final Data List:

	West and the West			- 30° - 30° - 50°					
Frequency MHz	Polarization	Reading dB(uV) QP	Factor dB (1/m)	Level dB(uV/m) QP	Limit dB(u∀/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
107.608	Н	22.9	14.8	37.7	43.5	5.8	Pass	114.3	125.6

#### **RESULT: PASS**

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.



#### RADIATED EMISSION TEST- (30MHz-1GHz)- MIDDLE CHANNEL -VERTICAL

#### A. Suspected List:

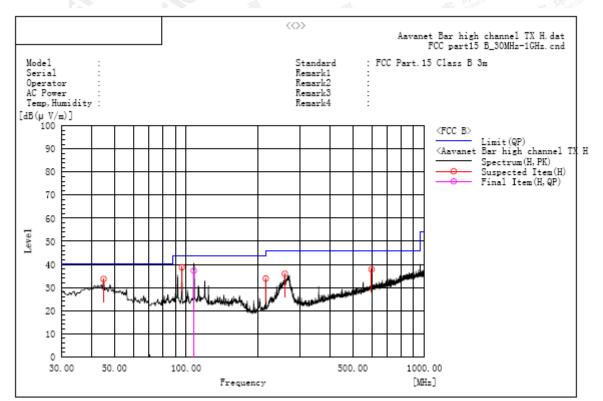
8	Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
	41.640	v	10.1	17.4	27.5	40.0	12.5	Pass	200.0	274.1
	95.960	v	19.8	12.8	32.6	43.5	10.9	Pass	150.0	72.2
	107.600	v	19.5	14.3	33.8	43.5	9.7	Pass	200.0	274.1
5	270.075	v	18.4	16.9	35.3	46.0	10.7	Pass	100.0	142.3
	540.220	v	14.4	23.7	38.1	46.0	7.9	Pass	150.0	217.6
	594.055	v	13.1	24.8	37.9	46.0	8.1	Pass	200.0	346.0

#### **RESULT: PASS**

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



#### RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL-HORIZONTAL

#### A. Suspected List:

Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
45.035	н	16.4	17.3	33.7	40.0	6.3	Pass	100.0	117.9
95.960	н	25.9	12.8	38.7	43.5	4.8	Pass	200.0	70.0
215.755	н	19.6	14.3	33.9	43.5	9.6	Pass	150.0	4.5
259.405	Н	20.0	15.9	35.9	46.0	10.1	Pass	100.0	60.2
599.875	н	13.0	24.9	37.9	46.0	8.1	Pass	100.0	88.4

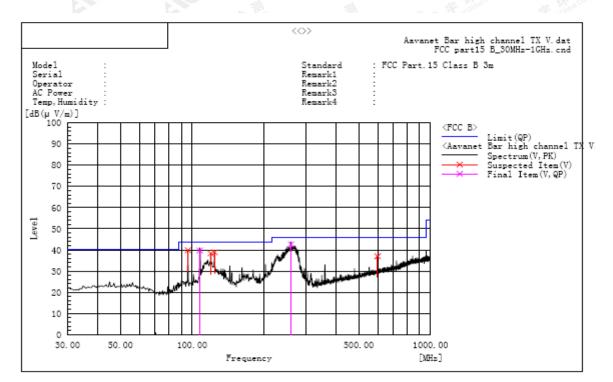
#### B. Final Data List:

(cl)	Frequency MHz	Polarization	Reading dB(uV) QP	Factor dB (1/m)	Level dB(uV/m) QP	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
	107.612	H	23.0	14.3	37.3	43.5	6.2	Pass	154.3	96.3

#### **RESULT: PASS**

The results show the first est report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.





#### RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL -VERTICAL

#### A. Suspected List:

	Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
	599.875	v	12.1	24.9	37.0	46.0	9.0	Pass	150.0	100.3
Γ	95.960	v	27.1	12.8	39.9	43.5	3.6	Pass	200.0	194.0
	119.725	v	22.9	15.4	38.3	43.5	5.2	Pass	200.0	350.1
	124.090	v	23.2	15.7	38.9	43.5	4.6	Pass	200.0	1.5

#### B. Final Data List:

Frequenc MHz	<sup>y</sup> Polarization	Reading dB(uV) QP	Factor dB (1/m)	Level dB(uV/m) QP	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
107.600	v	25.5	14.3	39.8	43.5	3.7	Pass	200.0	161.7
259.890	v	26.8	15.9	42.7	46.0	3.3	Pass	100.0	326.8

#### **RESULT: PASS**

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

The results show of this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attrp://www.agc.gett.com.





Report No.: AGC04424180601FE03 Page 24 of 68

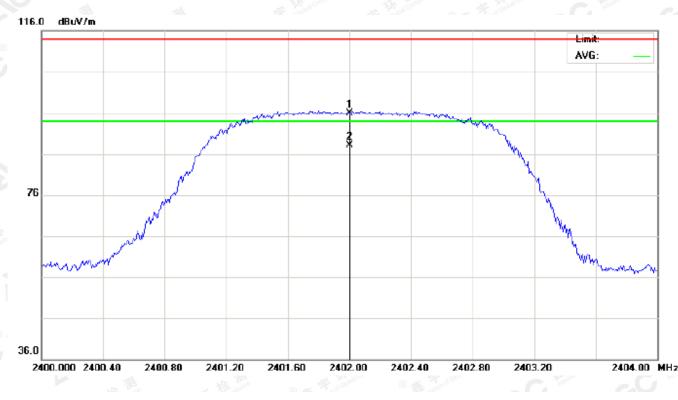
#### **RADIATED EMISSION ABOVE 1GHz**

FOR BR/EDR

(Worst modulation: GFSK)

#### For Fundamental

#### RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL-HORIZONTAL



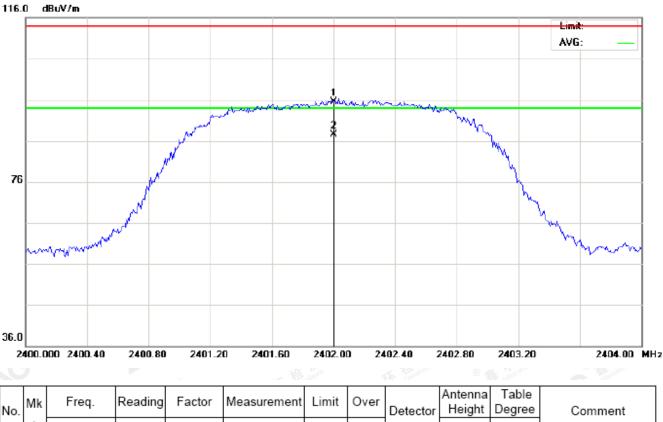
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu\//m	dBu∀/m	dB		cm	degree	
1		2402.000	85.66	10.32	95.98	114.00	-18.02	peak			
2	*	2402.000	77.74	10.32	88.06	94.00	-5.94	AVG	100	168	

#### RESULT: PASS

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by (ACC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.



Report No.: AGC04424180601FE03 Page 25 of 68



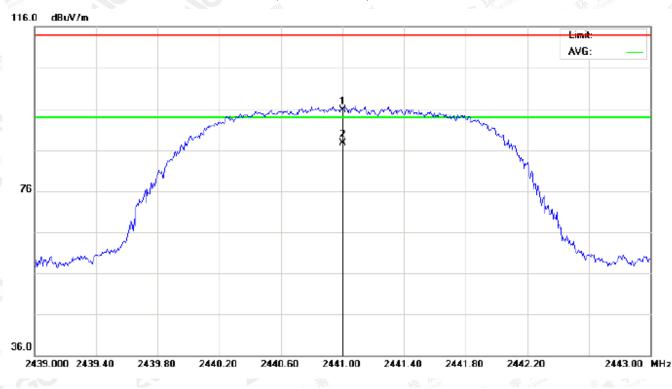
#### RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL- VERTICAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2402.000	85.16	10.32	95.48	114.00	-18.52	peak			
2	*	2402.000	77.22	10.32	87.54	94.00	-6.46	AVG	100	341	

**RESULT: PASS** 

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.ceit.com.





RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL-HORIZONTAL

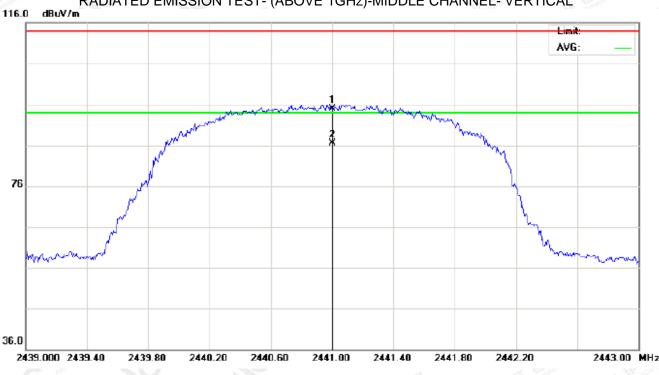
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		2441.000	85.29	10.36	95.65	114.00	-18.35	peak			
2	*	2441.000	77.32	10.36	87.68	94.00	-6.32	AVG	100	163	

**RESULT: PASS** 

CGC<sup>®</sup>鑫宇环检测 Attestation of Global Compliance

The results shows in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc-gett.com.





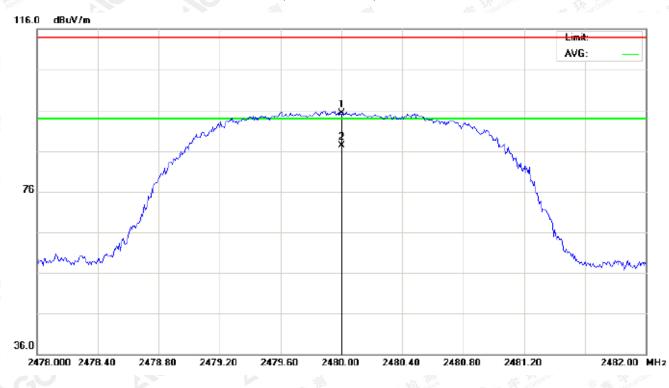
#### RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL- VERTICAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2441.000	84.63	10.36	95.21	114.00	-19.01	peak			
2	*	2441.000	76.05	10.36	87.22	94.00	-7.59	AVG	100	331	

**RESULT: PASS** 

The results showed his test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document terror details and the authenticity of the report will be confirmed at http://www.agc-gert.com.





RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL-HORIZONTAL

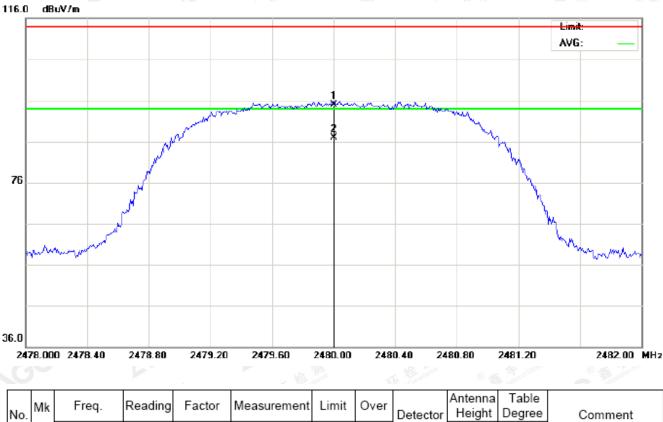
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBuV/m	dBu∨/m	dB		cm	degree	
1		2480.000	84.94	10.41	95.35	114.00	-18.65	peak			
2	*	2480.000	76.94	10.41	87.35	94.00	-6.65	AVG	100	167	

**RESULT: PASS** 

The results shows in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc-gett.com.







#### RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL- VERTICAL

I	۷o.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		-	MHz	dBu∨	dB/m	dBu\//m	dBuV/m	dB		cm	degree	
	1		2480.000	84.50	10.41	94.91	114.00	-19.09	peak			
	2	*	2480.000	76.52	10.41	86.93	94.00	-7.07	AVG	100	348	

#### **RESULT: PASS**

Note: Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



# Actestation of Global Compliance

Report No.: AGC04424180601FE03 Page 30 of 68

Field strength of the fundamental signal

#### 1Mbps Result:

Peak value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	85.66	10.32	95.98	114	-18.02	Horizontal
2402	85.16	10.32	95.48	114	-18.52	Vertical
2441	85.29	10.36	95.65	114	-18.35	Horizontal
2441	84.63	10.36	95.21	114	-19.01	Vertical
2480	84.94	10.41	95.35	114	-18.65	Horizontal
2480	84.50	10.41	94.91	114	-19.09	Vertical

#### Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	77.74	10.32	88.06	94	-5.94	Horizontal
2402	77.22	10.32	87.54	94	-6.46	Vertical
2441	77.32	10.36	87.68	94	-6.32	Horizontal
2441	76.05	10.36	87.22	94	-7.59	Vertical
2480	76.94	10.41	87.35	94	-6.65	Horizontal
2480	76.52	10.41	86.93	94	-7.07	Vertical

The results show of this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc-gatt.com.



# AGC <sup>®</sup>鑫 宇 环 检 测 Attestation of Global Compliance

#### Report No.: AGC04424180601FE03 Page 31 of 68

#### 2Mbps Result:

#### Peak value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	85.26	10.32	95.58	114	-18.42	Horizontal
2402	84.74	10.32	95.06	114	-18.94	Vertical
2441	84.83	10.36	95.19	114	-18.81	Horizontal
2441	84.42	10.36	94.78	114	-19.22	Vertical
2480	84.53	10.41	94.94	114	-19.06	Horizontal
2480	84.07	10.41	94.48	114	-19.52	Vertical

#### Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	77.29	10.32	87.61	94	-6.39	Horizontal
2402	76.75	10.32	87.07	94	-6.93	Vertical
2441	76.84	10.36	87.20	94	-6.80	Horizontal
2441	76.46	10.36	86.82	94	-7.18	Vertical
2480	76.53	10.41	86.94	94	-7.06	Horizontal
2480	76.11	10.41	86.52	94	-7.48	Vertical

The results showed this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at bits //www.accment.com



# AGC <sup>®</sup>鑫 宇 环 检 测 Attestation of Global Compliance

#### Report No.: AGC04424180601FE03 Page 32 of 68

#### 3Mbps Result:

Peak value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	84.82	10.32	95.14	114	-18.86	Horizontal
2402	84.24	10.32	94.56	114	-19.44	Vertical
2441	84.41	10.36	94.77	114	-19.23	Horizontal
2441	83.93	10.36	94.29	114	-19.71 👝	Vertical
2480	84.08	10.41	94.49	114	-19.51	Horizontal
2480	83.58	10.41	93.99	114	-20.01	Vertical

#### Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	76.80	10.32	87.12	94	-6.88	Horizontal
2402	76.25	10.32	86.57	94	-7.43	Vertical
2441	76.39	10.36	86.75	94	-7.25	Horizontal
2441	76.00	10.36	86.36	94	-7.64	Vertical
2480	76.05	10.41	86.46	94	-7.54	Horizontal
2480	75.64	10.41	86.05	94	-7.95	Vertical

The results showed this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed of this for the fully wave account of the report will be confirmed of this for the fully wave account of the report will be confirmed of the fully wave account of the report will be confirmed of the fully wave account of the report will be confirmed of the fully wave account of the report will be confirmed of the fully wave account of t





Report No.: AGC04424180601FE03 Page 33 of 68

#### FOR BR/EDR

#### (Worst modulation: GFSK)

#### For Harmonics

#### RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL-HORIZONTAL



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
	•	MHz	dBuV	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		2291.667	33.14	10.20	43.34	74.00	-30.66	peak			
2		3708.333	31.44	13.39	44.83	74.00	-29.17	peak			
3	*	4804.000	43.71	7.69	51.40	74.00	-22.60	peak			

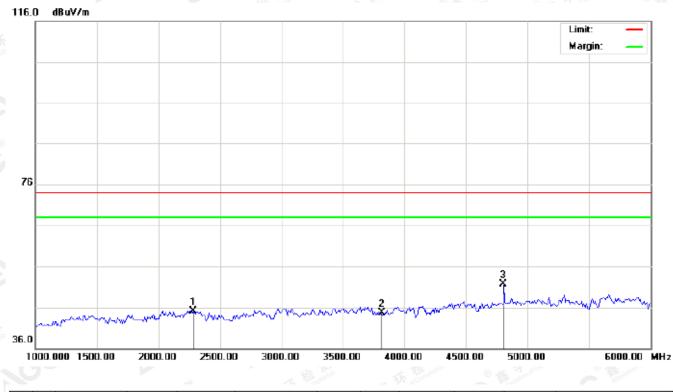
#### **RESULT: PASS**

The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.





Report No.: AGC04424180601FE03 Page 34 of 68



#### RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL- VERTICAL

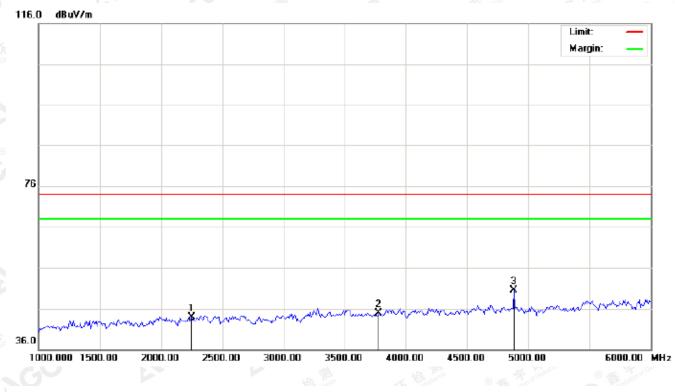
	No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
÷		-	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
	1		2283.333	34.91	10.19	45.10	74.00	-28.90	peak			
	2		3816.667	30.71	14.06	44.77	74.00	-29.23	peak			
	3	*	4804.000	44.05	7.69	51.74	74.00	-22.26	peak			

**RESULT: PASS** 

The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



Report No.: AGC04424180601FE03 Page 35 of 68



RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL-HORIZONTAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∨	dB/m	dBu\//m	dBuV/m	dB		cm	degree	
1		2250.000	33.78	10.15	43.93	74.00	-30.07	peak			
2		3775.000	31.15	13.80	44.95	74.00	-29.05	peak			
3	*	4882.000	42.66	7.89	50.55	74.00	-23.45	peak			

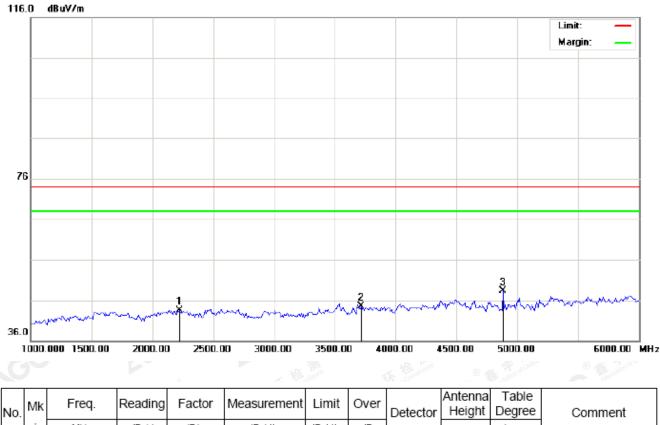
**RESULT: PASS** 

The results showed how the sample (s) tested unless otherwise stated and the sample (s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.cent.com.





Report No.: AGC04424180601FE03 Page 36 of 68



#### RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL- VERTICAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBuV	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		2225.000	33.36	10.13	43.49	74.00	-30.51	peak			
2		3716.667	31.07	13.44	44.51	74.00	-29.49	peak			
3	*	4882.000	40.39	7.89	48.28	74.00	-25.72	peak			

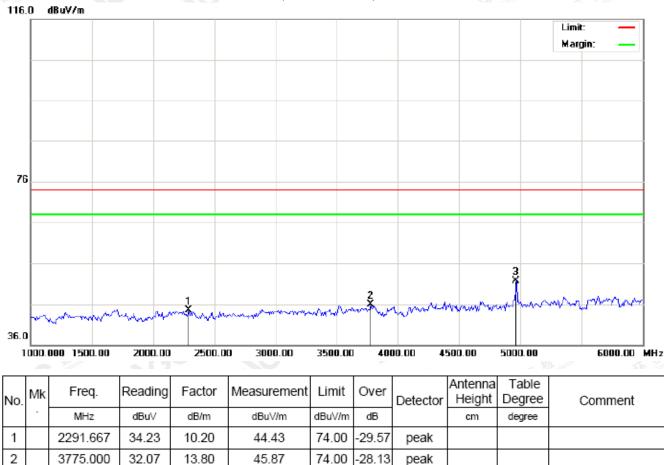
**RESULT: PASS** 

The results shown this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by (XGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.cent.com.





Report No.: AGC04424180601FE03 Page 37 of 68



74.00

-22.3

peak

51.69

RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL-HORIZONTAL

**RESULT: PASS** 

3

4960.000

43.60

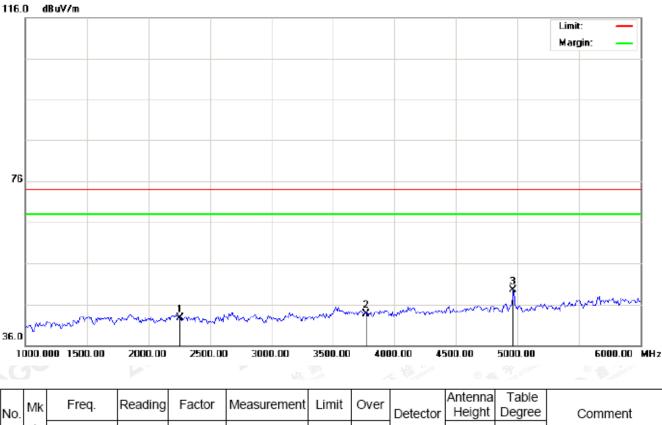
8.09

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by (ACC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.





Report No.: AGC04424180601FE03 Page 38 of 68



### RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL- VERTICAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∀	dB/m	dBu∨/m	dBuV/m	dB		cm	degree	
1		2258.333	32.58	10.16	42.74	74.00	-31.26	peak			
2		3766.667	30.00	13.75	43.75	74.00	-30.25	peak			
3	*	4960.000	41.41	8.09	49.50	74.00	-24.50	peak			

### **RESULT: PASS**

Note: 6~25GHz at least have 20dB margin. No recording in the test report.

Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.com.



# AGC<sup>®</sup>鑫宇环检测 Attestation of Global Compliance

Report No.: AGC04424180601FE03 Page 39 of 68

### **10. BAND EDGE EMISSION**

### 10.1. MEASUREMENT PROCEDURE

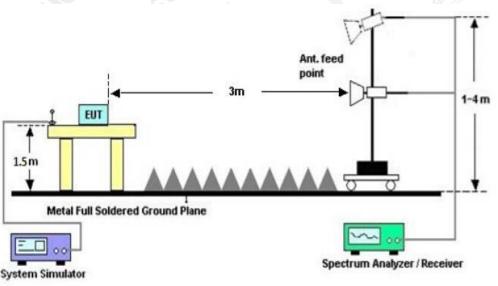
1. The EUT operates at hopping-off test mode. The lowest or highest channels are tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.

2. Max hold the trace of the setup 1, and the EUT operates at hopping-on test mode to verify the largest spurious emissions power.

3. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission.

Start frequ	Start frequency(MHz) 2200 2478			Stop frequency(MH	z)
22	200	The the P	not C Stratut	2405	SC
© 5	478	C Allestation of God	GG	2500	
	and the second s	(			1000

### 10.2 TEST SETUP



RADIATED EMISSION TEST SETUP

The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



# GC Attestation of Global Compliance

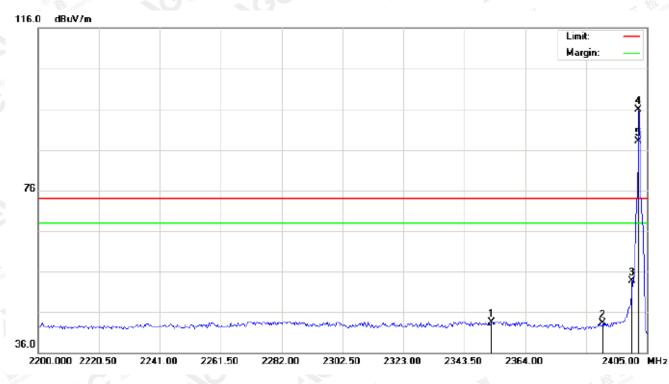
### Report No.: AGC04424180601FE03 Page 40 of 68

### **10.3 RADIATED TEST RESULT**

### FOR BR/EDR

### (Worst modulation: GFSK)

### TEST PLOT OF BAND EDGE FOR LOW CHANNEL-Horizontal



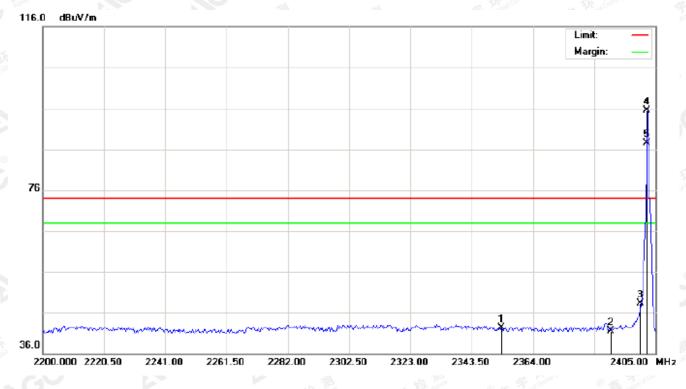
N	o.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		-	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
	1		2352.725	33.27	10.27	43.54	74.00	-30.46	peak			
	2		2390.000	33.00	10.31	43.31	74.00	-30.69	peak			
	3		2400.000	43.47	10.32	53.79	74.00	-20.21	peak			
4	1	*	2402.000	85.63	10.32	95.95	74.00	21.95	peak			
ļ	5	Х	2402.000	77.70	10.32	88.02	74.00	14.02	AVG	100	163	

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.





Report No.: AGC04424180601FE03 Page 41 of 68



### TEST PLOT OF BAND EDGE FOR LOW CHANNEL -Vertical

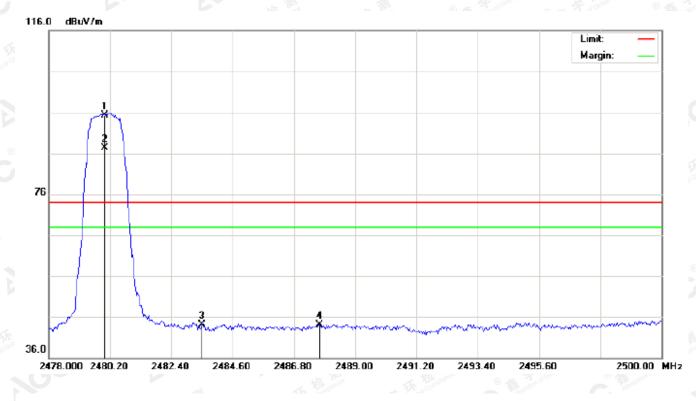
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2353.408	32.10	10.27	42.37	74.00	-31.63	peak			
2		2390.000	31.21	10.31	41.52	74.00	-32.48	peak			
3		2400.000	38.06	10.32	48.38	74.00	-25.62	peak			
4	*	2402.000	85.19	10.32	95.51	74.00	21.51	peak			
5	Х	2402.000	77.18	10.32	87.50	74.00	13.50	AVG	100	340	

The results shown if this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc?gett.com.





Report No.: AGC04424180601FE03 Page 42 of 68



### TEST PLOT OF BAND EDGE FOR HIGH CHANNEL -Horizontal

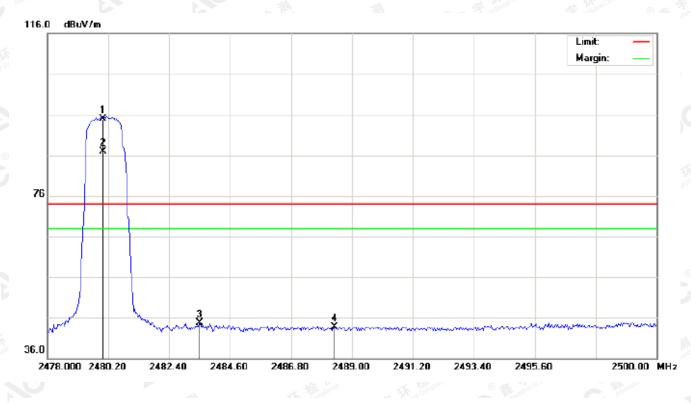
	No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
÷		-	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
	1	*	2480.000	84.91	10.41	95.32	74.00	21.32	peak			
	2	Х	2480.000	76.90	10.41	87.31	74.00	13.31	AVG	100	165	
	3		2483.500	33.69	10.41	44.10	74.00	-29.90	peak			
	4		2487.716	33.68	10.42	44.10	74.00	-29.90	peak			

The results show of this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gent.com.





Report No.: AGC04424180601FE03 Page 43 of 68



### TEST PLOT OF BAND EDGE FOR HIGH CHANNEL-Vertical

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2480.000	84.54	10.41	94.95	74.00	20.95	peak			
2	Х	2480.000	76.49	10.41	86.90	74.00	12.90	AVG	100	345	
3		2483.500	34.26	10.41	44.67	74.00	-29.33	peak			
4		2488.377	33.21	10.42	43.63	74.00	-30.37	peak			

### **RESULT: PASS**

**Note**: Factor=Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

Hopping on mode and Hopping off mode have been tested, but only worst case reported.

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



# AGC<sup>®</sup>鑫宇环检测 Attestation of Global Compliance

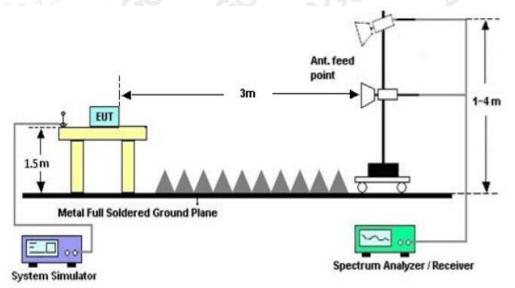
Report No.: AGC04424180601FE03 Page 44 of 68

### 11. 20DB BANDWIDTH

### **11.1. MEASUREMENT PROCEDURE**

- 1. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 2. Set Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hoping channel
- RBW  $\geq$  1% of the 20 dB bandwidth, VBW  $\geq$  3RBW; Sweep = auto; Detector function = peak
- 3. Set SPA Trace 1 Max hold, then View.

### 11.2. TEST SET-UP

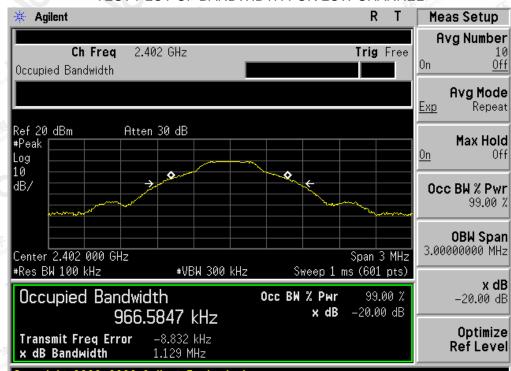


### **11.3. LIMITS AND MEASUREMENT RESULTS**

### FOR BR/EDR

BLUET	OOTH 1MBPS LIN	MITS AND MEASU	REMENT RESULT						
	Measurement Result								
Applicable Limits		Test Data (MHz)	)	Decult					
		99%OBW (MHz)	-20dB BW(MHz)	Result					
The Constant of Reconstant	Low Channel	0.967	1.129	PASS					
N/A	Middle Channel	0.968	1.122	PASS					
The second second	High Channel	0.969	1.126	PASS					

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.com.

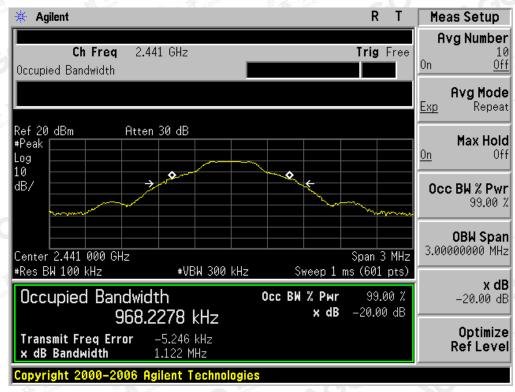


### TEST PLOT OF BANDWIDTH FOR LOW CHANNEL

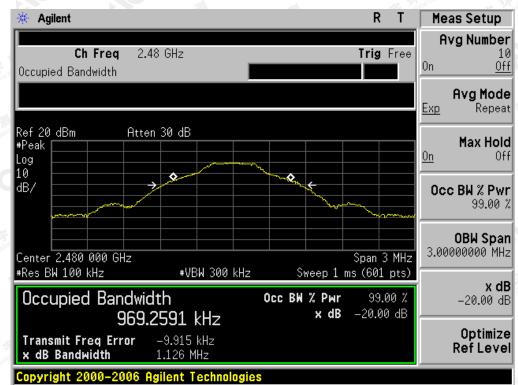
Copyright 2000–2006 Agilent Technologies

GC 鑫 宇 环 检 测 Attestation of Global Compliance

### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



The results shown if this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attr://www.agc.gett.com.



BLUET	OOTH 2MBPS LIN	MITS AND MEASU	REMENT RESULT					
	Measurement Result							
Applicable Limits		Result						
The termine the termine	Low Channel	1.226	1.403	PASS				
N/A	Middle Channel	1.232	1.409	PASS				
	High Channel	1.234	1.406	PASS				

环

Attestation of Global Compliance

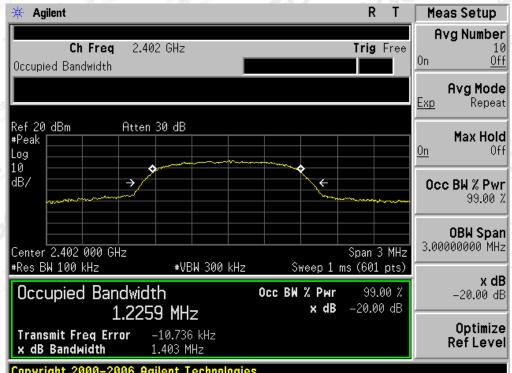
测

检

GC

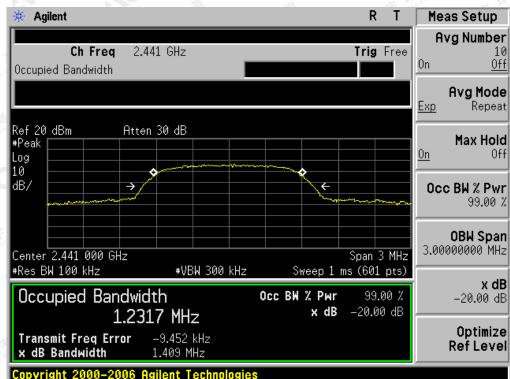
鑫

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



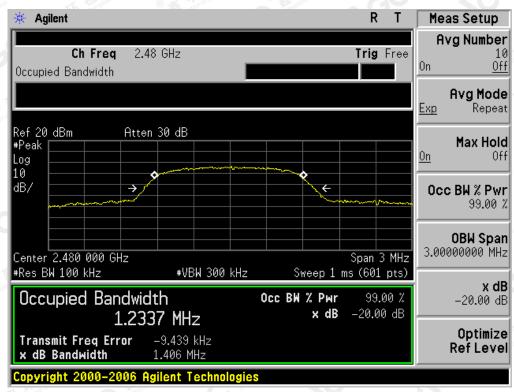
The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.





### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.

BLUET	OOTH 3MBPS LIN	MITS AND MEASU	REMENT RESULT						
		Measurement Result							
Applicable Limits		)							
		Result							
The Barnes The Barnes	Low Channel	1.224	1.404	PASS					
N/A	Middle Channel	1.232	1.408	PASS					
	High Channel	1.233	1.402	PASS					
			M. J.Co.	obe Alle					

环

Attestation of Global Compliance

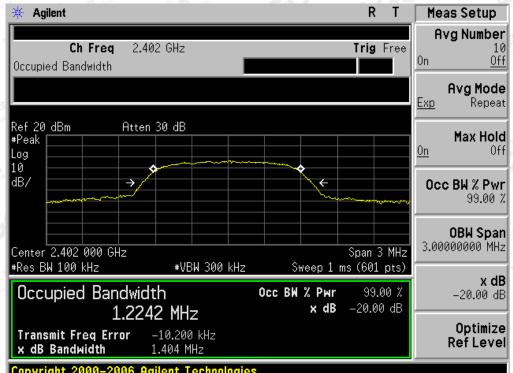
测

检

GC

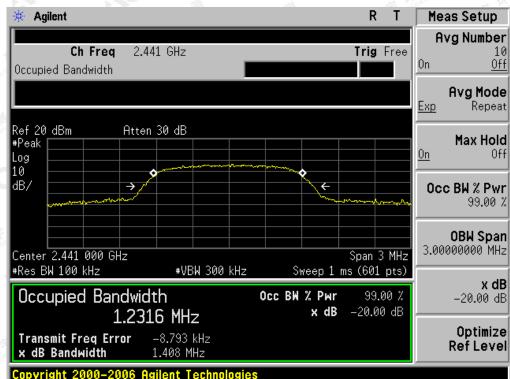
鑫

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



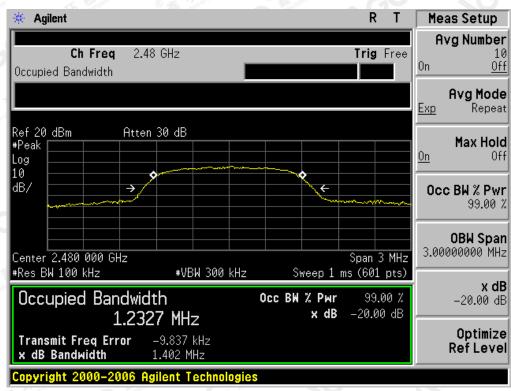
The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by (ACC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.





### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



The results shown if this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.

# **12. FCC LINE CONDUCTED EMISSION TEST**

### 12.1. LIMITS OF LINE CONDUCTED EMISSION TEST

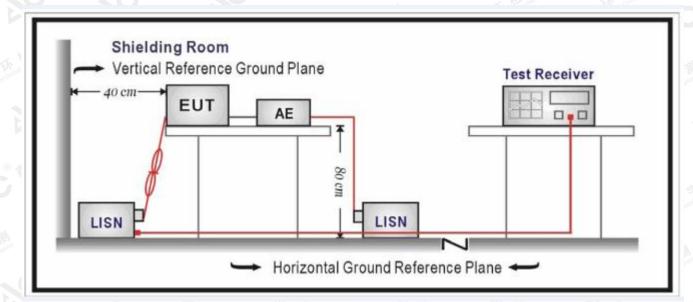
Francisco	Maximum RF Line Voltage							
Frequency	Q.P.( dBuV)	Average( dBuV)						
150kHz~500kHz	66-56	56-46						
500kHz~5MHz	56	46						
5MHz~30MHz	60	50						

Note:

1. The lower limit shall apply at the transition frequency.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

### 12.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



# AGC <sup>®</sup> 鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC04424180601FE03 Page 52 of 68

### 12.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2. Support equipment, if needed, was placed as per ANSI C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. All support equipments received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received 120V/60Hzpower by a LISN.
- 6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

### 12.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 3. The test data of the worst case condition(s) was reported on the Summary Data page.

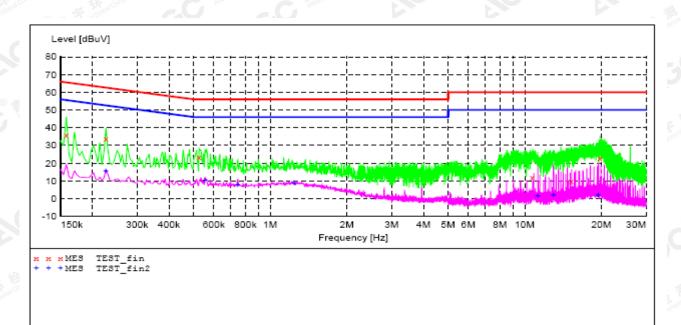
The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



# AGC<sup>®</sup>鑫宇环检测 Attestation of Global Compliance

### Report No.: AGC04424180601FE03 Page 53 of 68

# 12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST FOR BR/EDR



Line Conducted Emission Test Line 1-L

#### MEASUREMENT RESULT:

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.158000 0.226000 0.526000 10.694000 15.218000 19.718000	35.90 33.60 23.40 11.70 10.10 23.00	10.0 10.1 9.9 10.4 9.5 9.4	66 63 56 60 60	29.7 29.0 32.6 48.3 49.9 37.0	QP QP QP QP QP QP	L1 L1 L1 L1 L1 L1	FLO FLO FLO FLO FLO FLO

#### MEASUREMENT RESULT:

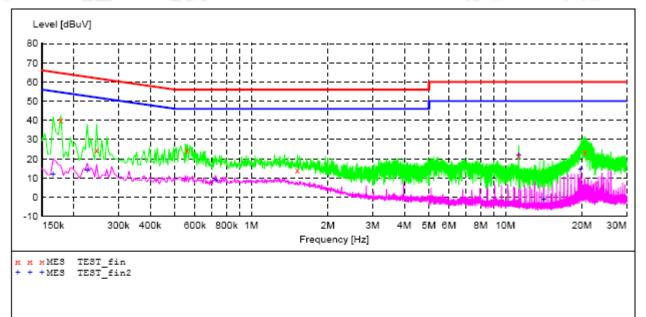
Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.226000	15.50	10.1	53	37.1	AV	L1	FLO
0.554000	10.20	9.9	46	35.8	AV	L1	FLO
0.746000	7.80	10.0	46	38.2	AV	L1	FLO
1.242000	8.60	10.1	46	37.4	AV	L1	FLO
11.258000	1.60	10.2	50	49.6	AV	L1	FLO
12.970000	1.90	9.9	50	49.9	AV	L1	FLO
19.470000	2.10	9.4	50	47.9	AV	L1	FLO

The results shows in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.





Report No.: AGC04424180601FE03 Page 54 of 68



Line Conducted Emission Test Line 2-N

#### MEASUREMENT RESULT:

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.178000	40.10	10.0	65	24.5	QP	Ν	FLO
0.246000	24.40	10.1	62	37.5	QP	Ν	FLO
0.558000	24.50	9.9	56	31.5	QP	Ν	FLO
1.518000	13.80	10.0	56	42.2	QP	N	FLO
11.286000	21.60	10.2	60	38.4	QP	Ν	FLO
20.614000	23.20	9.5	60	36.8	QP	N	FLO

#### MEASUREMENT RESULT:

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.166000 0.226000 0.726000 11.286000 14.174000	11.90 13.90 8.70 21.70 -1.10	10.0 10.1 9.9 10.2 9.6	55 53 46 50 50	43.3 38.7 37.3 28.3 51.1	AV AV AV AV AV	N N N N	FLO FLO FLO FLO FLO
19.754000	14.30	9.4	50	35.7	AV	N	FLO

The results show of this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc-gatt.com.



Report No.: AGC04424180601FE03 Page 55 of 68

# APPENDIX A: PHOTOGRAPHS OF TEST SETUP FCC LINE CONDUCTED EMISSION TEST SETUP



FCC RADIATED EMISSION TEST SETUP



The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.



Report No.: AGC04424180601FE03 Page 56 of 68



The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc?catt.com.



Report No.: AGC04424180601FE03 Page 57 of 68



The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gent.com.





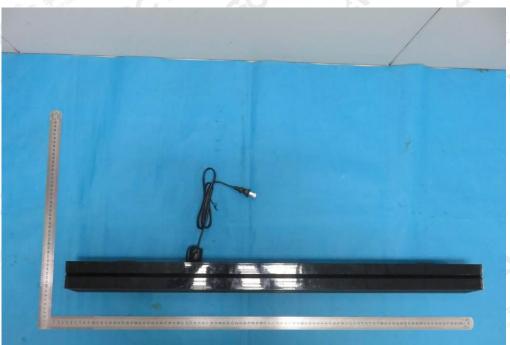
Report No.: AGC04424180601FE03 Page 58 of 68

# **APPENDIX B: PHOTOGRAPHS OF EUT**

TOTAL VIEW OF EUT



TOP VIEW OF EUT



The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gett.com.



Report No.: AGC04424180601FE03 Page 59 of 68

### BOTTOM VIEW OF EUT



### FRONT VIEW OF EUT



The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gett.com.



Report No.: AGC04424180601FE03 Page 60 of 68

### BACK VIEW OF EUT



LEFT VIEW OF EUT

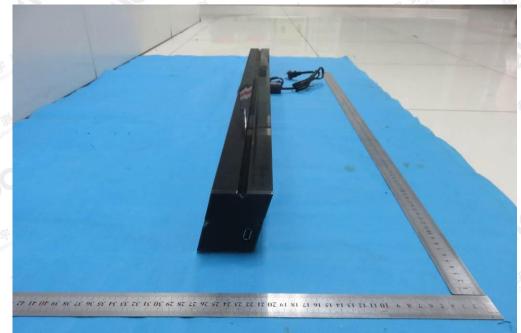


The results showing these treport refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.com.



Report No.: AGC04424180601FE03 Page 61 of 68

### **RIGHT VIEW OF EUT**



### VIEW OF EUT (PORT)-1



The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc?gett.com.



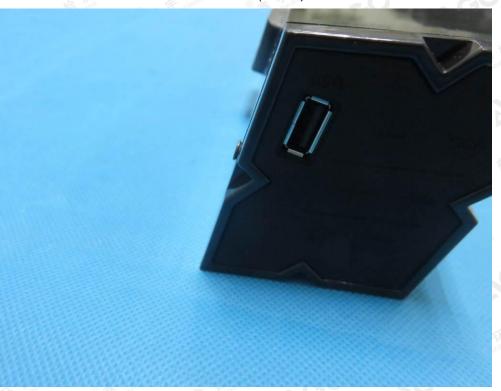


Report No.: AGC04424180601FE03 Page 62 of 68

# VIEW OF EUT (PORT)-2



VIEW OF EUT (PORT)-3



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed of the transformed of the





Report No.: AGC04424180601FE03 Page 63 of 68

# **OPEN VIEW OF EUT-1**



**OPEN VIEW OF EUT-2** 



The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc?gett.com.



Report No.: AGC04424180601FE03 Page 64 of 68

### **OPEN VIEW OF EUT-3**



**INTERNAL VIEW OF EUT-1** 

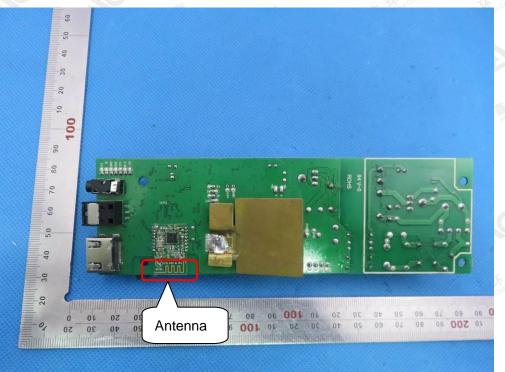


The results showed has been report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.cent.com.



Report No.: AGC04424180601FE03 Page 65 of 68

### **INTERNAL VIEW OF EUT-2**



#### **INTERNAL VIEW OF EUT-3**



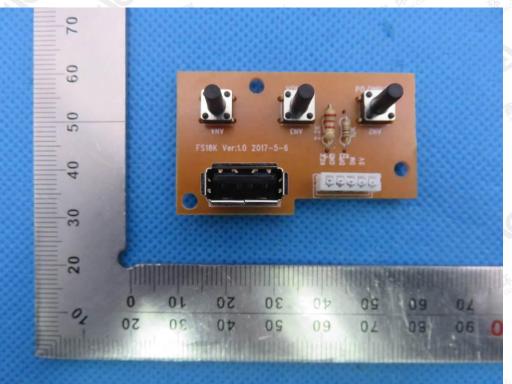
The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction. The more details and the authenticity of the report will be



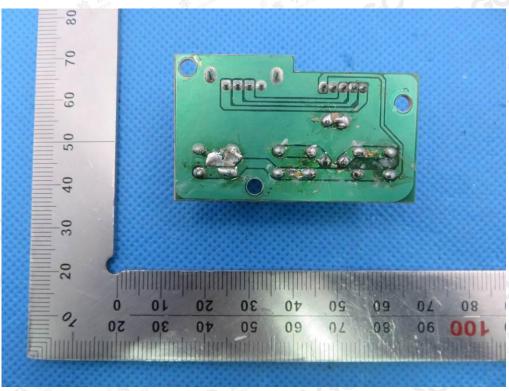


Report No.: AGC04424180601FE03 Page 66 of 68

### **INTERNAL VIEW OF EUT-4**



#### **INTERNAL VIEW OF EUT-5**



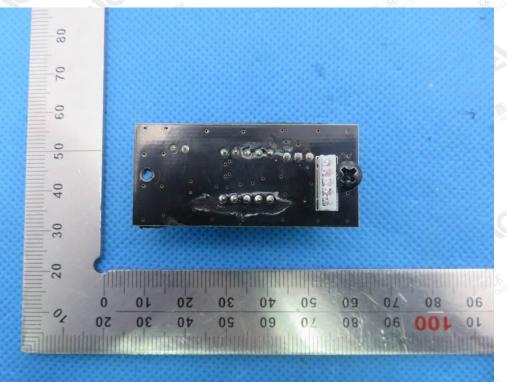
The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by (ACC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.



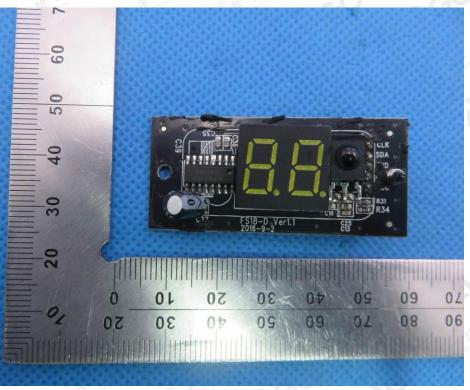


Report No.: AGC04424180601FE03 Page 67 of 68

### INTERNAL VIEW OF EUT-6



### **INTERNAL VIEW OF EUT-7**

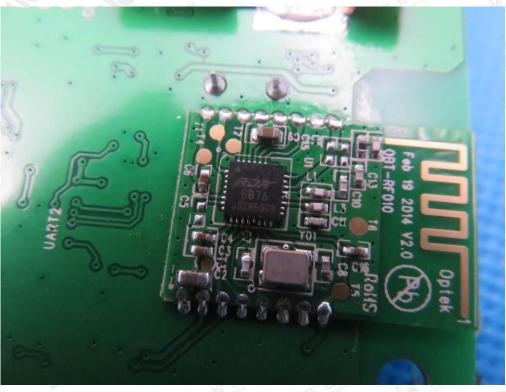


The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



Report No.: AGC04424180601FE03 Page 68 of 68

### **INTERNAL VIEW OF EUT-8**



### ---END OF REPORT----

The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc-cett.com.

