

Page 1 of 63

FCC Test Report

Report No.: AGC00807180701FE03

FCC ID	: 2AI7L-488131
APPLICATION PURPOSE	: Original Equipment
PRODUCT DESIGNATION	Ear muff
BRAND NAME	: TACTIX
MODEL NAME	: 2AI7L-488131
CLIENT	: Meridian International Co., Ltd.
DATE OF ISSUE	: Jul 25, 2018
STANDARD(S) TEST PROCEDURE(S)	: FCC Part 15 Subpart C Section 15.249
REPORT VERSION	: V1.0

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 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.

Attestation of Global Compliance



Report No.: AGC00807180701FE03 Page 2 of 63

Binester.				The come of the topped
Report Version Revise Time		Issued Date Valid Version		Notes
V1.0		Jul. 25, 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.: AGC00807180701FE03 Page 3 of 63

TABLE OF CONTENTS

1. VERIFICATION OF CONFORMITY	4
2. GENERAL INFORMATION 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	10
7.TEST METHOD	11
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 17
10. BAND EDGE EMISSION	37
10.1. MEASUREMENT PROCEDURE 10.2 TEST SETUP 10.3 RADIATED TEST RESULT	37
11. 20DB BANDWIDTH	42
11.1. MEASUREMENT PROCEDURE 11.2. TEST SET-UP 11.3. LIMITS AND MEASUREMENT RESULTS	42
12. FCC LINE CONDUCTED EMISSION TEST	
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST 12.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST 12.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST 12.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST 12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST	48 48 49
APPENDIX A: PHOTOGRAPHS OF TEST SETUP	
APPENDIX B: PHOTOGRAPHS OF EUT	54

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.

Attestation of Global Compliance



Report No.: AGC00807180701FE03 Page 4 of 63

1. VERIFICATION OF CONFORMITY

Applicant	Meridian International Co., Ltd.
Address	1886 Laiyin Road, Songjiang,Shanghai
Manufacturer	DONGGUAN TAIDE INDUSTRIAL CO., LTD.
Address	Phase 2, Jinfenghuang Industrial District, Huangdong Village, Fenggang Town, Dongguan City, China.
Product Designation	Ear muff
Brand Name	TACTIX
Test Model	2AI7L-488131
Date of test	Jul. 13, 2018 to Jul. 20, 2018
Deviation	None
Condition of Test Sample	Normal
Report Template	AGCRT-US-BR/RF

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.

Jonhen Wand

Jonhen Wang(Wang Yonghuan) Jul. 20, 2018

we chang

Reviewed By

Tested By

Cool Cheng(Cheng Mengguo)

Jul. 25, 2018

west i

Approved By

Forrest Lei(Lei Yonggang) Authorized Officer

Jul. 25, 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.ceit.com.



Report No.: AGC00807180701FE03 Page 5 of 63

2. GENERAL INFORMATION 2.1. PRODUCT DESCRIPTION

A major technica	al description	of EUT is	described as following	
------------------	----------------	-----------	------------------------	--

Operation Frequency	2.402 GHz to 2.480GHz
Bluetooth Version	V4.2
Modulation	BR ⊠GFSK, EDR ⊠π /4-DQPSK, □8DPSK BLE □GFSK
Number of channels	79 for BR/EDR
Hardware Version	V1.1
Software Version	V1.0
Antenna Designation	PCB Antenna
Antenna Gain	0dBi
Power Supply	DC 3.7V by battery
Note: The USB port only	used for charging 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
The sum of Cool	0	2402MHz
NG G		2403MHz
The transmission	The transfer of the state of th	A minute of the solution
C Hand Cobal C	G 38	2440 MHz
2400~2483.5MHz	39	2441 MHz
	40	2442 MHz
K Browner Cater & Count	C There are a come	
Good C Auger	77	2479 MHz
	78	2480 MHz

The results show with thus 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.





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 = ±3.2 dB
- Uncertainty of Radiated Emission below 1GHz, Uc = ±3.9 dB
- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB

NO.		TEST MODE DESCRIPT	ION	
Contraction of Contract	8 The second Colored	Low channel GFSK		- A
2	G	Middle channel GFSk	AT OF A	Compliance
3	The second se	High channel GFSK	obel Co	SC C
4	nee @ # Jond Golder Com	Low channel π /4-DQP	SK	
Stand Color	GC GC	Middle channel π /4-DQF	PSK	The there
6	Fight Party	High channel π /4-DQP	SK	Ford Global
7	The market B The The	BT Link with charging	Alles C	ка
Total Com 8 0 5	C.C Mess	BT Link		-111

4. DESCRIPTION OF TEST MODES

Note:

1. All the test modes can be supply by battery, only the result of the worst case was recorded in the report, if no other cases.

2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

3. The EUT used fully-charged battery when tested.

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.ceit.com.



R 鑫 宇 环 检 测 Attestation of Global Compliance GC

Report No.: AGC00807180701FE03 Page 7 of 63

IN C	FCCAssist 1.5			Soft	ware Sett	ing		The Herman	an ^{co}	
PLL/	Parameter									
	MODE	TX	~							
	Channel	78	Y Pa	cket type	2-DH3	*	Data Types	Pn9	*	
	Transmit Power	10	v I	Hopping	OFF	~	Serial Port	СОМЗ	🖌 🖓	
Т	hannel: 78 [ransmit Power : 10 end configuration infi	Pata Types: Pr Packet typ ormation succ	e: 2-DH3	1,			8, correspondin nge 0-10, 0 is t			
1	testation of	2	~	5		P			7712 772	

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.



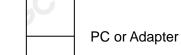
A GC 盤 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC00807180701FE03 Page 8 of 63

5. SYSTEM TEST CONFIGURATION 5.1. CONFIGURATION OF EUT SYSTEM

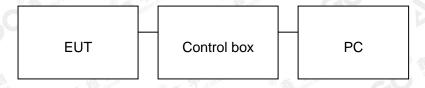
Configure 1: (Normal hopping)





Note: Owing to the EUT has own battery, testing may be performed while PC or adapter removed.

Configure 2: (Control continuous TX)



5.2. EQUIPMENT USED IN EUT SYSTEM

ltem	Equipment	Mfr/Brand	Model/Type No.	Remark
1	Ear muff	TACTIX	2AI7L-488131	EUT
2	Battery	PN C	703450	Accessory
3	PC PC	APPLE	A1465	A.E
4	Control box	GZUT	N/A	A.E
5	Adapter	IPRO	NTR-S01	A.E
6	USB Cable	N/A	1m unshielded	A.E
7	AUX in Cable	N/A	1m unshielded	A.E
8	Mobile Phone	HUAWEI	V9	A.E

The results showing this teport 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 🖉 C, this documents and the authenticity of the 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.: AGC00807180701FE03 Page 9 of 63

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 National 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 [®]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, 2018	Jun.19, 2019
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, 2018	Jun.19, 2019
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, 2018	Jun.19, 2019
Antenna	SCHWARZBECK	VULB9168	D69250	Sep.28, 2017	Sep.27, 2018
Loop Antenna	A.H.Systems,Inc	SAS-562B	C ^{**-}	Mar. 01, 2018	Feb. 28, 2019
Radiation Cable 1	МХТ	RS1	R005	N/A	N/A
Radiation Cable 2	МХТ	, 🔷 RS1	R006	N/A	N/A
Filter (2.4-2.483GHz)	Micro-tronics	087	-0	Jun.20, 2018	Jun.19, 2019

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 Str	engths 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 The constant of the second court
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 Januar Co	Other:74.0 dB(µV)/m (Average)	(Peak) 54.0 dB(µV)/m

Remark: (1) Emission level dB μ V = 20 log Emission level μ 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 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[®]鑫宇环检测 Attestation of Global Compliance

Report No.: AGC00807180701FE03 Page 13 of 63

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.: AGC00807180701FE03 Page 14 of 63

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.

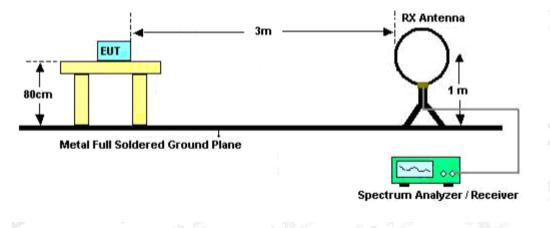




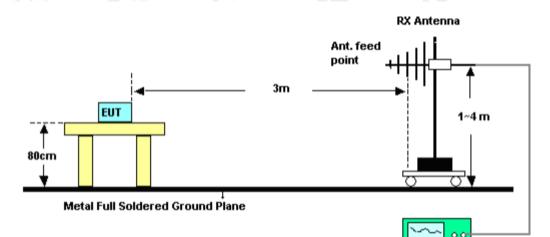
Report No.: AGC00807180701FE03 Page 15 of 63

9.3. TEST SETUP

Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



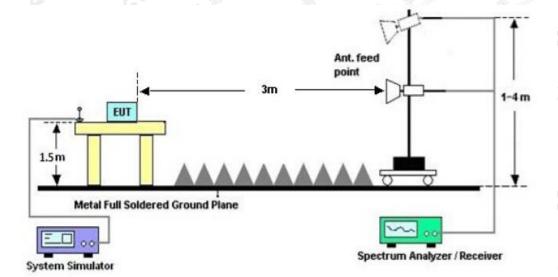
The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by (ACC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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



Spectrum Analyzer / Receiver



Report No.: AGC00807180701FE03 Page 16 of 63



RADIATED EMISSION TEST SETUP ABOVE 1000MHz

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.



AGC [®]鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC00807180701FE03 Page 17 of 63

9.4. TEST RESULT

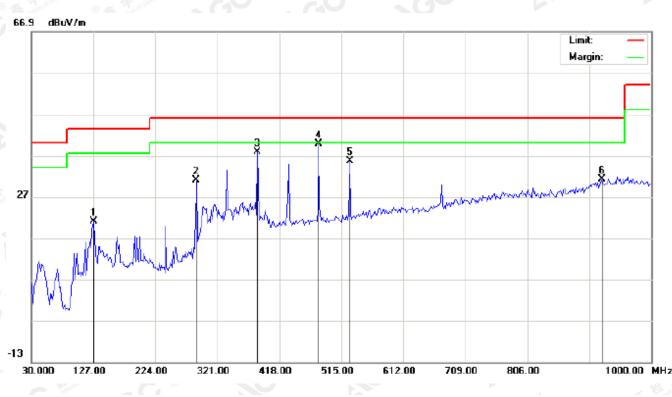
FOR BR/EDR

(Worst modulation: GFSK)

RADIATED EMISSION BELOW 30MHz

No emission found between lowest internal used/generated frequencies to 30MHz. RADIATED EMISSION BELOW 1GHz

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

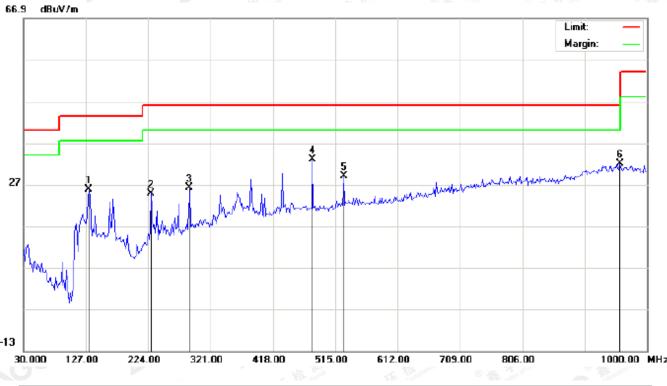


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
	•	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		127.0000	11.88	9.13	21.01	43.50	-22.49	peak			
2		288.6666	17.55	13.48	31.03	46.00	-14.97	peak			
3		384.0500	18.76	18.96	37.72	46.00	-8.28	peak			
4	*	479.4333	18.88	20.91	39.79	46.00	-6.21	peak			
5		527.9333	13.75	21.88	35.63	46.00	-10.37	peak			
6		922.4000	2.01	29.23	31.24	46.00	-14.76	peak			

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.com.

Report No.: AGC00807180701FE03 Page 18 of 63



RADIATED EMISSION TEST- (30MHz-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		131.8500	14.06	11.80	25.86	43.50	-17.64	peak			
2		228.8500	13.04	11.83	24.87	46.00	-21.13	peak			
3		288.6666	11.13	15.07	26.20	46.00	-19.80	peak			
4	*	479.4333	12.02	20.91	32.93	46.00	-13.07	peak			
5		527.9333	7.12	21.88	29.00	46.00	-17.00	peak			
6		957.9667	2.05	29.92	31.97	46.00	-14.03	peak			

RESULT: PASS

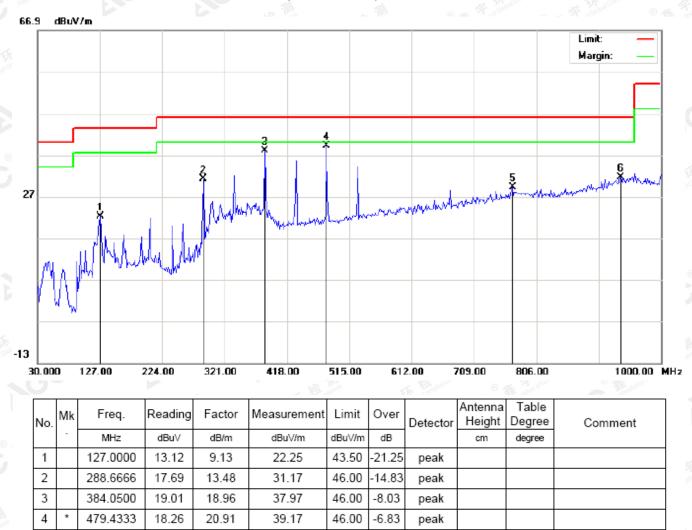
Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

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

The results 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.



Report No.: AGC00807180701FE03 Page 19 of 63



46.00

46.00

-16.73

-14.32

peak

peak

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

RESULT: PASS

768.8167

936.9500

2.38

2.04

26.89

29.64

29.27

31.68

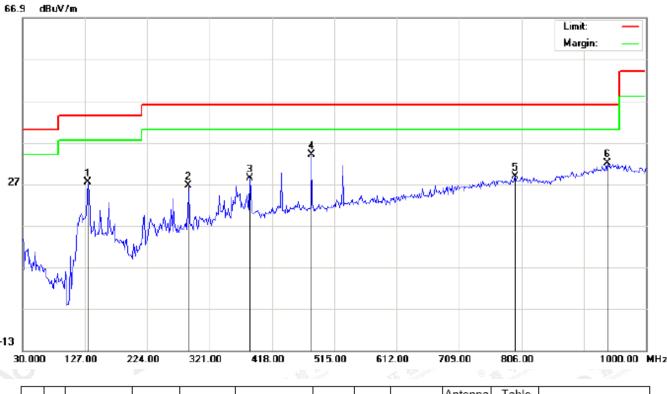
5

6

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.: AGC00807180701FE03 Page 20 of 63



RADIATED EMISSION TEST- (30MHz-1GHz)- MIDDLE 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		131.8500	15.62	11.80	27.42	43.50	-16.08	peak			
2		288.6666	11.47	15.07	26.54	46.00	-19.46	peak			
3		384.0500	9.44	18.96	28.40	46.00	-17.60	peak			
4	*	479.4333	13.13	20.91	34.04	46.00	-11.96	peak			
5		796.3000	1.51	27.27	28.78	46.00	-17.22	peak			
6		940.1833	2.21	29.73	31.94	46.00	-14.06	peak			

RESULT: PASS

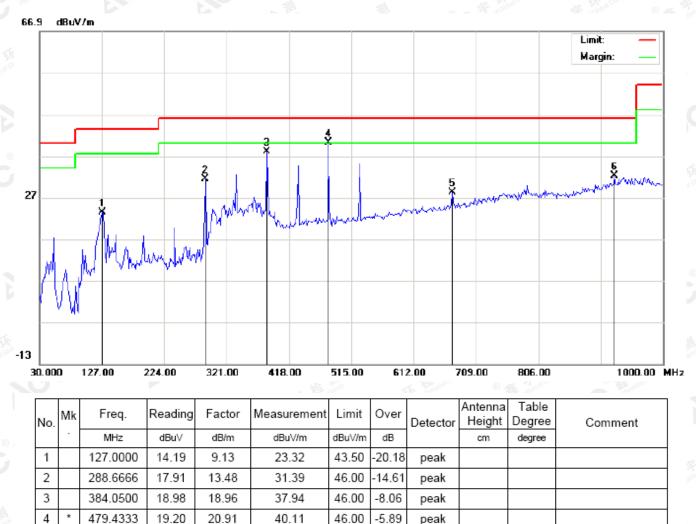
Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

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

The results 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.



Report No.: AGC00807180701FE03 Page 21 of 63



46.00

46.00

-17.84

-13.85

peak

peak

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

RESULT: PASS

5

6

671.8167

924.0167

3.71

2.87

24.45

29.28

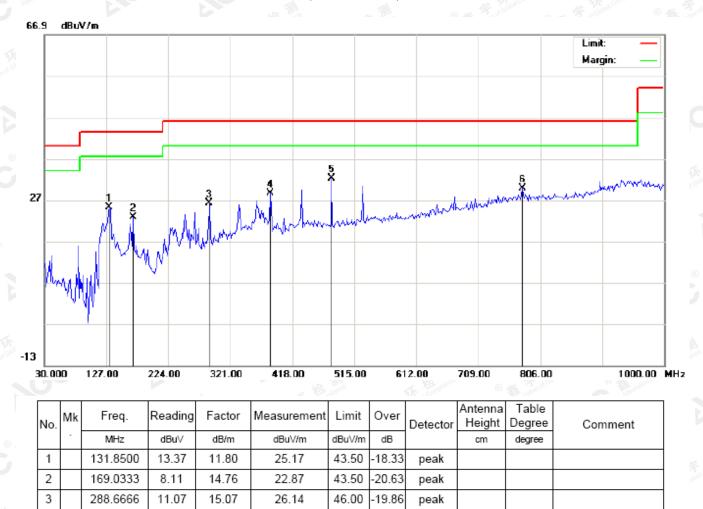
28.16

32.15

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.: AGC00807180701FE03 Page 22 of 63



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

RESULT: PASS

384.0500

479.4333

778.5167

9.61

11.35

2.86

4

5

6

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

28.57

32.26

29.88

18.96

20.91

27.02

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

46.00

46.00

46.00

-17.43

-13.74

-16.12

peak

peak

peak

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.





Report No.: AGC00807180701FE03 Page 23 of 63

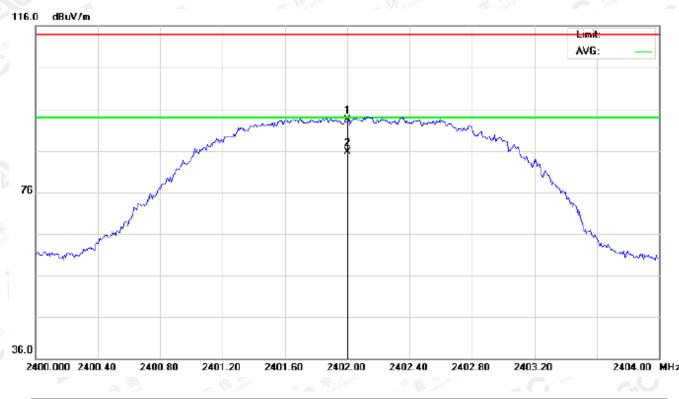
RADIATED EMISSION ABOVE 1GHz

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	dBuV/m	dB		cm	degree	
1		2402.000	83.27	10.32	93.59	114.00	-20.41	peak			
2	*	2402.000	75.29	10.32	85.61	94.00	-8.39	AVG	100	38	

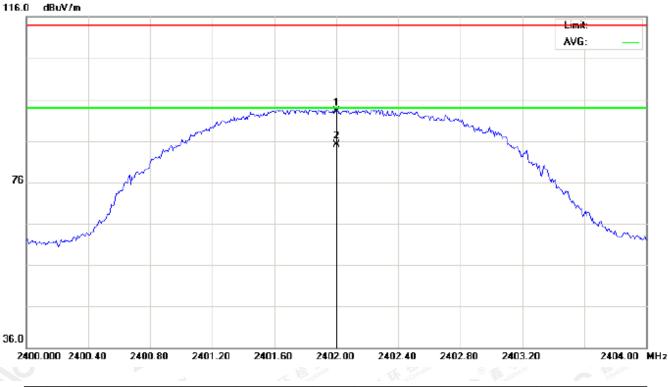
RESULT: PASS

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.: AGC00807180701FE03 Page 24 of 63



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	82.80	10.32	93.12	114.00	-20.88	peak			
2	*	2402.000	74.86	10.32	85.18	94.00	-8.82	AVG	100	157	

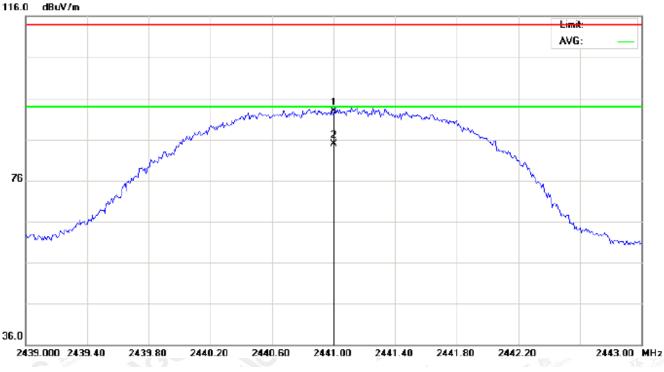
RESULT: PASS

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 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 http://www.agc.gett.com.





Report No.: AGC00807180701FE03 Page 25 of 63



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

24.39	.uuu	2439.40	2439.80	2440.20	2440.60	2441.UL	24	41.40	2441.8U	2442.20	2443.00	í.
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	82.45	10.36	92.81	114.00	-21.19	peak				

94.00

-9.17

AVG

100

39

RESULT: PASS

2441.000

74.47

10.36

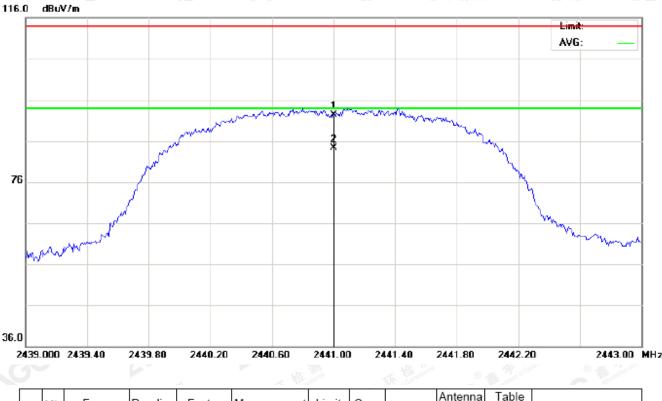
84.83

2

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.: AGC00807180701FE03 Page 26 of 63



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	dBu\//m	dBuV/m	dB		cm	degree	
1		2441.000	81.99	10.36	92.35	114.00	-21.65	peak			
2	*	2441.000	73.98	10.36	84.34	94.00	-9.66	AVG	100	149	

RESULT: PASS

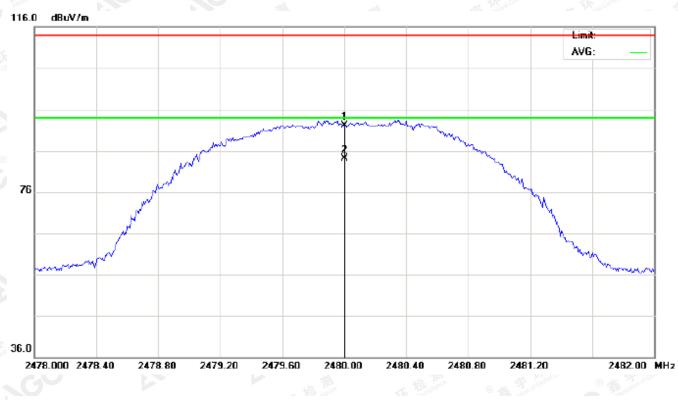
ACC[®]鑫宇环检测 Attestation of Global Compliance

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.: AGC00807180701FE03 Page 27 of 63



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	dBuV/m	dB		cm	degree	
1		2480.000	81.75	10.41	92.16	114.00	-21.84	peak			
2	*	2480.000	73.79	10.41	84.20	94.00	-9.80	AVG	100	41	

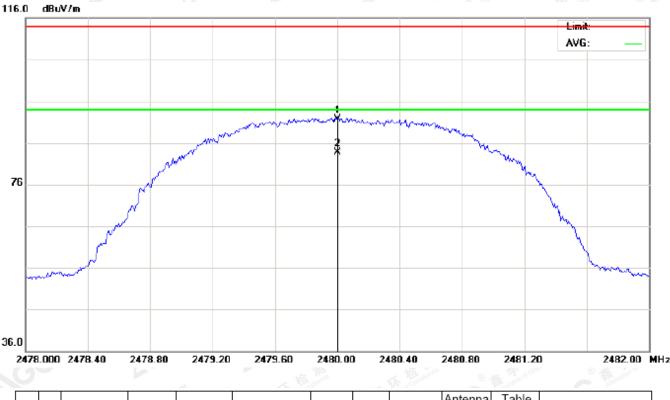
RESULT: PASS

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 attp://www.agc-gett.com.





Report No.: AGC00807180701FE03 Page 28 of 63



RADIATED EMISSION 1			
RADIATED EMISSION I	- 1(¬H/)-HI(¬H	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		2480.000	81.30	10.41	91.71	114.00	-22.29	peak			
2	*	2480.000	73.32	10.41	83.73	94.00	-10.27	AVG	100	163	

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 attraction.



Actestation of Global Compliance

Field strength of the fundamental signal

1Mbps Result:

Peak value

Reading Level	Factor	Measurement	Limit	Limit Over		
(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization	
83.27	10.32	93.59	114	-20.41	Horizontal	
82.80	10.32	93.12	114	-20.88	Vertical	
82.45	10.36	92.81	114 🧄	-21.19	Horizontal	
81.99	10.36	92.35	114	-21.65	Vertical	
81.75	10.41	92.16	114	-21.84	Horizontal	
81.30	10.41	91.71	114	-22.29	Vertical	
	Level (dBuv) 83.27 82.80 82.45 81.99 81.75	Level Factor (dBuv) (dB/m) 83.27 10.32 82.80 10.32 82.45 10.36 81.99 10.36 81.75 10.41	LevelFactorMeasurement(dBuv)(dB/m)(dBuv/m)83.2710.3293.5982.8010.3293.1282.4510.3692.8181.9910.3692.3581.7510.4192.16	LevelFactorMeasurementLimit(dBuv)(dB/m)(dBuv/m)(dBuv/m)83.2710.3293.5911482.8010.3293.1211482.4510.3692.8111481.9910.3692.3511481.7510.4192.16114	LevelFactorMeasurementLimitOver(dBuv)(dB/m)(dBuv/m)(dBuv/m)(dB)83.2710.3293.59114-20.4182.8010.3293.12114-20.8882.4510.3692.81114-21.1981.9910.3692.35114-21.6581.7510.4192.16114-21.84	

Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna Polarization	
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)		
2402	75.29	10.32	85.61	94 💿	-8.39	Horizontal	
2402	74.86	10.32	85.18	94	-8.82	Vertical	
2441	74.47	10.36	84.83	94	-9.17	Horizontal	
2441	73.98	10.36	84.34	94	-9.66	Vertical	
2480	73.79	10.41	84.20	94	-9.80	Horizontal	
2480	73.32	10.41	83.73	94	-10.27	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 [®]鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC00807180701FE03 Page 30 of 63

2Mbps Result:

Peak value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	82.89	10.32	93.21	114	-20.79	Horizontal
2402	82.43	10.32	92.75	114	-21.25	Vertical
2441	81.99	10.36	92.35	114	-21.65	Horizontal
2441	81.64	10.36	92.00	114	-22.00	Vertical
2480	81.26	10.41	91.67	114	-22.33	Horizontal
2480	81.01	10.41	91.42	114	-22.58	Vertical

Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna	
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization	
2402	74.98	10.32	85.30	94	-8.70	Horizontal	
2402	74.44	10.32	84.76	94	-9.24	Vertical	
2441	74.15	10.36	84.51	94	-9.49	Horizontal	
2441	73.70	10.36	84.06	94	-9.94	Vertical	
2480	73.36	10.41	83.77	94	-10.23	Horizontal	
2480	72.80	10.41	83.21	94	-10.79	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





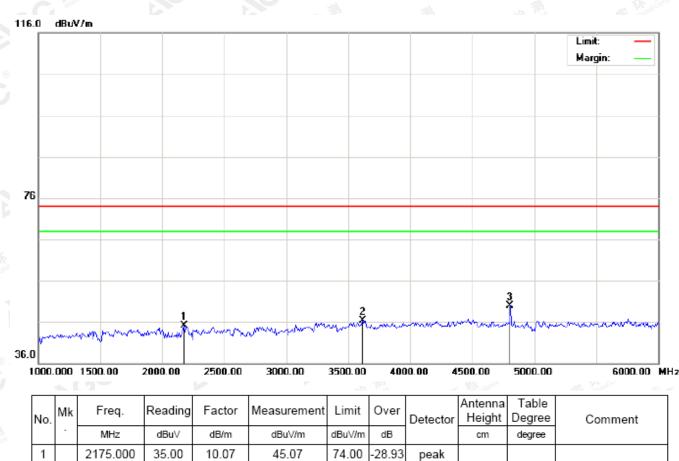
Report No.: AGC00807180701FE03 Page 31 of 63

FOR BR/EDR

(Worst modulation: GFSK)

For Harmonics

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



74.00

74.00

-27.62

-24.10

peak

peak

R	ES	UL	.T:	P/	ASS

3616.667

4804.000

33.55

42.21

12.83

7.69

46.38

49.90

2

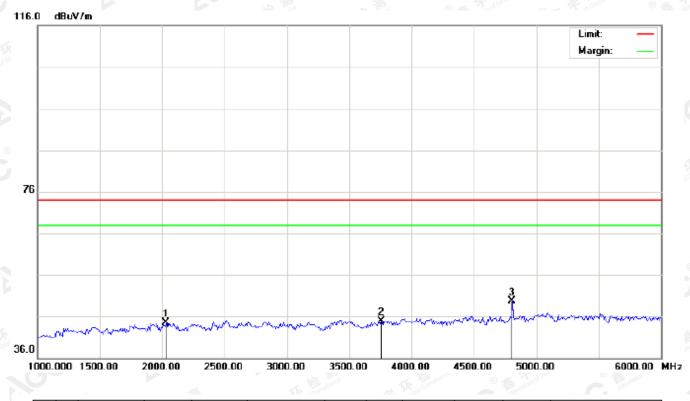
3

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.: AGC00807180701FE03 Page 32 of 63



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

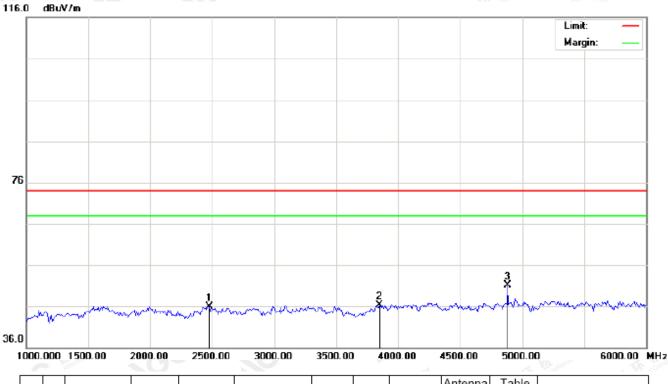
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2033.333	34.59	9.92	44.51	74.00	-29.49	peak			
2		3758.333	31.21	13.70	44.91	74.00	-29.09	peak			
3	*	4804.000	42.05	7.69	49.74	74.00	-24.26	peak			

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.







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

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
	•	MHz	dBu∨	dB/m	dBu\//m	dBuV/m	dB		cm	degree	
1		2475.000	35.48	10.40	45.88	74.00	-28.12	peak			
2		3850.000	32.03	14.27	46.30	74.00	-27.70	peak			
3	*	4882.000	43.16	7.89	51.05	74.00	-22.95	peak			

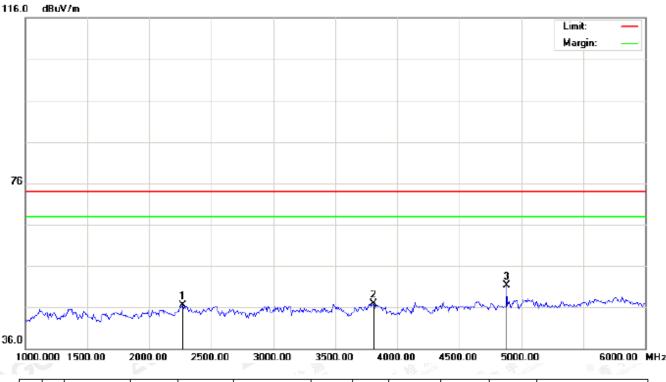
RESULT: PASS

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.: AGC00807180701FE03 Page 34 of 63



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	dBu\//m	dBuV/m	dB		cm	degree	
1		2266.667	36.33	10.17	46.50	74.00	-27.50	peak			
2		3808.333	32.99	14.01	47.00	74.00	-27.00	peak			
3	*	4882.000	43.39	7.89	51.28	74.00	-22.72	peak			

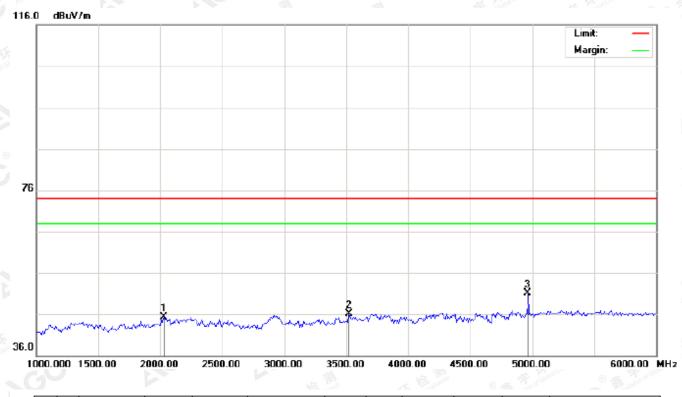
RESULT: PASS

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.: AGC00807180701FE03 Page 35 of 63



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	dBuV/m	dB		cm	degree	
1		2033.333	35.34	9.92	45.26	74.00	-28.74	peak			
2		3525.000	33.79	12.26	46.05	74.00	-27.95	peak			
3	*	4960.000	43.10	8.09	51.19	74.00	-22.81	peak			

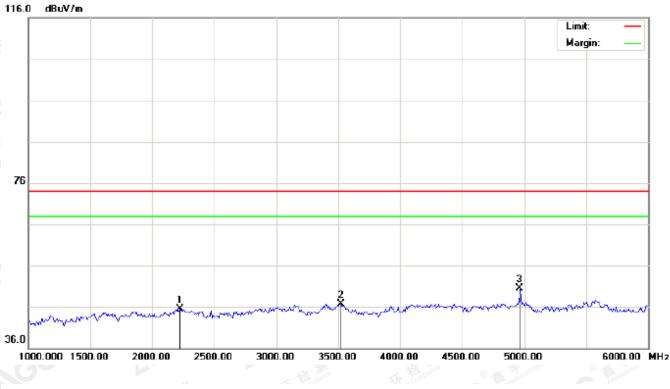
RESULT: PASS

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.





Report No.: AGC00807180701FE03 Page 36 of 63



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		2225.000	35.29	10.13	45.42	74.00	-28.58	peak			
2		3525.000	34.52	12.26	46.78	74.00	-27.22	peak			
3	*	4960.000	42.41	8.09	50.50	74.00	-23.50	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 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[®]鑫宇环检测 Attestation of Global Compliance

Report No.: AGC00807180701FE03 Page 37 of 63

10. BAND EDGE EMISSION

10.1. MEASUREMENT PROCEDURE

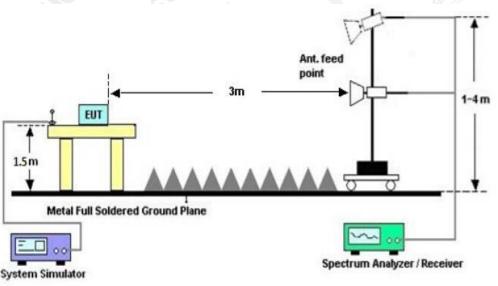
1. The EUT operates at hopping-off test mode. The lowest or highest channels are tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.

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.

Star	t frequency(MH	z)	Stop frequency(MHz)			
THE REAL	2200	「「	noe C Franci	2405	SCC.	
C Station of Global	2478	C Stiestellon of GOU	GC "	2500		
P No	Allast				200	

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.



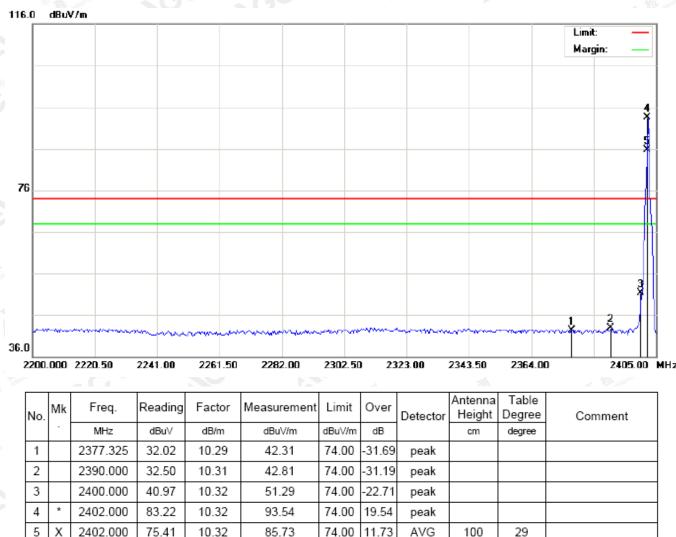


10.3 RADIATED TEST RESULT

FOR BR/EDR

(Worst modulation: GFSK)

TEST PLOT OF BAND EDGE FOR LOW CHANNEL-Horizontal

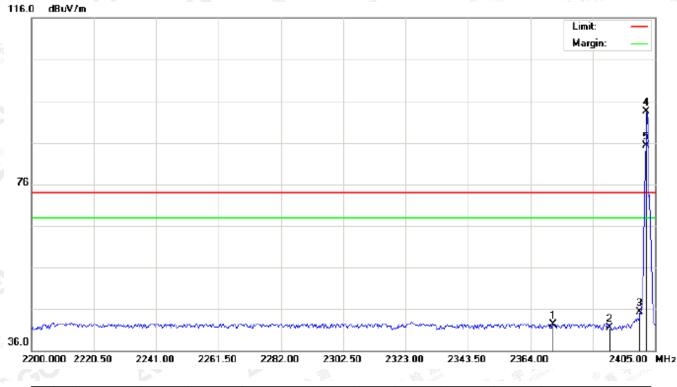


The results show the first est report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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





Report No.: AGC00807180701FE03 Page 39 of 63



TEST PLOT OF BAND EDGE FOR LOW CHANNEL -Vertical

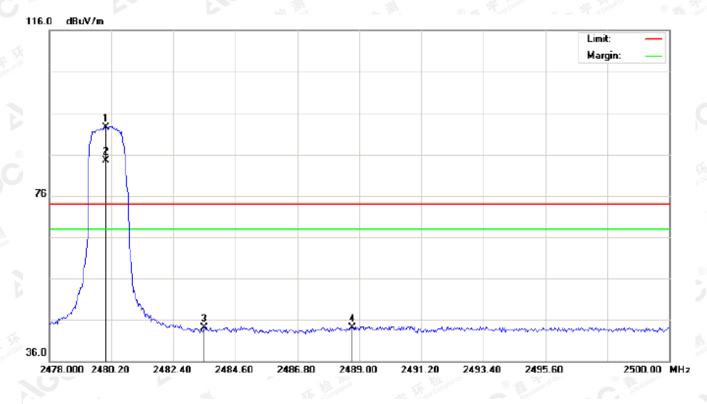
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2371.517	31.96	10.29	42.25	74.00	-31.75	peak			
2		2390.000	31.21	10.31	41.52	74.00	-32.48	peak			
3		2400.000	35.06	10.32	45.38	74.00	-28.62	peak			
4	*	2402.000	83.09	10.32	93.41	74.00	19.41	peak			
5	Х	2402.000	74.91	10.32	85.23	74.00	11.23	AVG	100		

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.: AGC00807180701FE03 Page 40 of 63



TEST PLOT OF BAND EDGE FOR HIGH CHANNEL -Horizontal

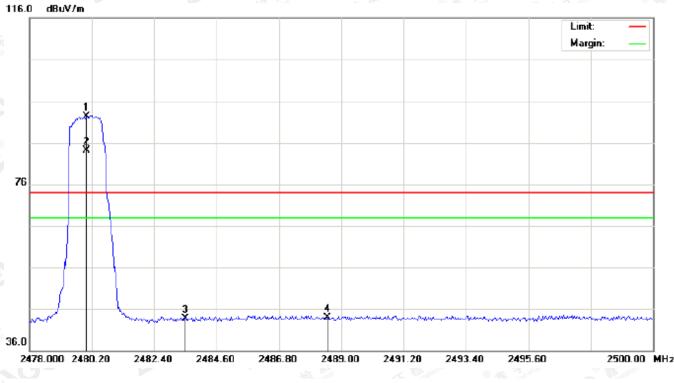
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2480.000	82.05	10.41	92.46	74.00	18.46	peak			
2	Х	2480.000	74.12	10.41	84.53	74.00	10.53	AVG	100	32	
3		2483.500	33.69	10.41	44.10	74.00	-29.90	peak			
4		2488.743	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.: AGC00807180701FE03 Page 41 of 63



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	81.82	10.41	92.23	74.00	18.23	peak			
2	Х	2480.000	73.70	10.41	84.11	74.00	10.11	AVG	100	152	
3		2483.500	33.26	10.41	43.67	74.00	-30.33	peak			
4		2488.523	33.42	10.42	43.84	74.00	-30.16	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 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[®]鑫宇环检测 Attestation of Global Compliance

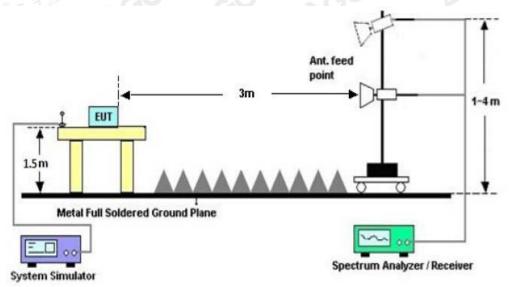
Report No.: AGC00807180701FE03 Page 42 of 63

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	BLUETOOTH 1MBPS LIMITS AND MEASUREMENT RESULT									
		Measurement Result								
Applicable Limits		Desult								
		99%OBW (MHz)	-20dB BW(MHz)	Result						
Const Contra C Manufacto	Low Channel	0.907	1.069	PASS						
N/A	Middle Channel	0.904	1.068	PASS						
The second se	High Channel	0.895	1.027	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.

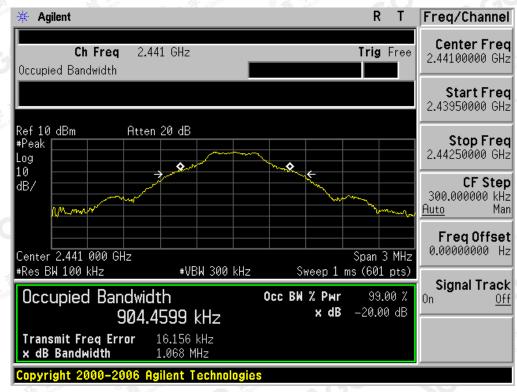


TEST PLOT OF BANDWIDTH FOR LOW CHANNEL

Copyright 2000–2006 Agilent Technologies

GC 鑫 宇 环 检 测 Attestation of Global Compliance

TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



The results 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.



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.



Alles	litze	Å.	na Malle	2 Colum					
BLUETOOTH 2MBPS LIMITS AND MEASUREMENT RESULT									
	Measurement Result								
Applicable Limits		Desult							
		99%OBW (MHz)	-20dB BW(MHz)	Result					
The the and the the second	Low Channel	1.208	1.379	PASS					
N/A	Middle Channel	1.208	1.381	PASS					
	High Channel	1.209	1.375	PASS					
		- illin	M. No.	obu Au					

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



Copyright 2000–2006 Agilent Technologies

环

Attestation of Global Compliance

测

检

GC

鑫

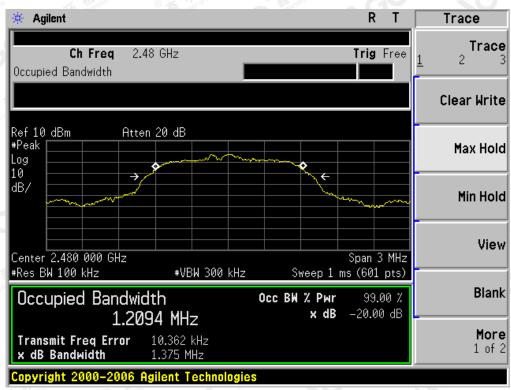
The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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





TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



The results 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

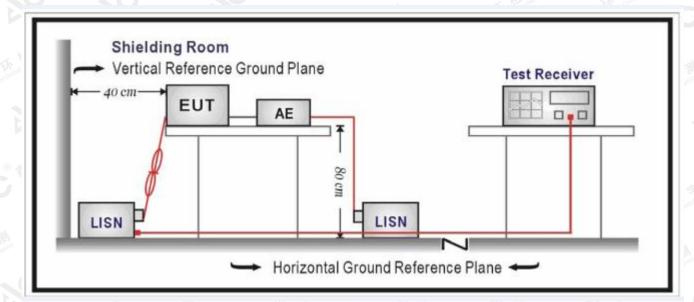
Francisco	Maximum RF Line Voltage						
Frequency	Q.P.(dBuV)	Average(dBuV)					
150kHz~500kHz	66-56	56-46					
500kHz~5MHz	© 56 56 °	46					
5MHz~30MHz	60	50					

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 [®] 鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC00807180701FE03 Page 48 of 63

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 DC charging voltage by adapter or PC which 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.
- 2. 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.



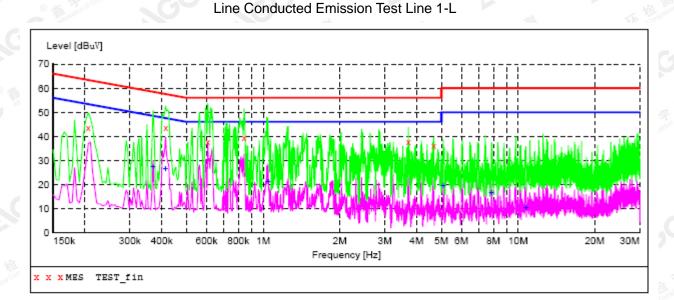
AGC[®]鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC00807180701FE03 Page 49 of 63

12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

By adapter(worst case)

FOR BR/EDR



MEASUREMENT RESULT: "TEST fin"

2018-7-18 9:24 Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	ΡE
0.206000 0.414000 0.606000 0.842000 3.714000 4.666000	43.40 43.50 37.90 39.30 37.90 36.30	11.4 11.4 11.3 11.4 11.4 11.4 11.4	63 58 56 56 56 56	20.0 14.1 18.1 16.7 18.1 19.7	QP QP QP QP QP	L1 L1 L1 L1 L1 L1	GND GND GND GND GND GND

MEASUREMENT RESULT: "TEST fin2"

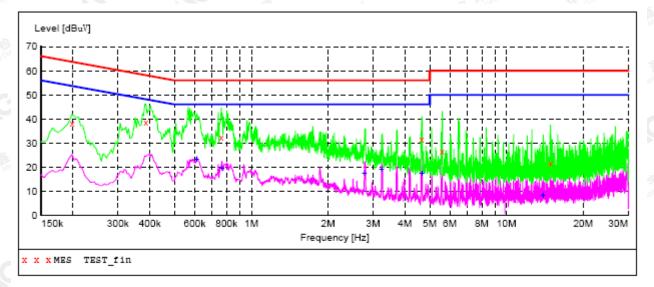
018-7-18 9:24 Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	ΡE
0.370000	27.50	11.3	49	21.0	AV	L1	GND
0.414000	26.70	11.4	48	20.9	AV	L1	GND
1.046000	21.10	11.3	46	24.9	AV	L1	GND
5.082000	19.30	11.4	50	30.7	AV	L1	GND
7.858000	16.70	11.3	50	33.3	AV	L1	GND
10.734000	10.30	11.4	50	39.7	AV	L1	GND

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.: AGC00807180701FE03 Page 50 of 63



Line Conducted Emission Test Line 2-N

MEASUREMENT RESULT: "TEST fin"

2018-7-18 9:35 Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	ΡE
0.198000 0.386000 0.762000 4.650000 5.598000 14.878000	38.30 38.40 32.30 31.50 26.40 21.50	11.4 11.4 11.4 11.4 11.3 11.0	64 58 56 60 60	25.4 19.7 23.7 24.5 33.6 38.5	QP QP QP QP QP QP	N N N N N	GND GND GND GND GND GND

MEASUREMENT RESULT: "TEST fin2"

2018-7-18 9:3 Frequency MHz	35 Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	ΡE
0.610000	23.30	11.4	46	22.7	AV	N	GND
0.766000	19.40	11.4	46	26.6	AV	N	GND
2.774000	17.30	11.4	46	28.7	AV	N	GND
3.242000	19.10	11.4	46	26.9	AV	N	GND
4.666000	17.40	11.4	46	28.6	AV	N	GND
13.938000	8.30	11.1	50	41.7	AV	N	GND

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.

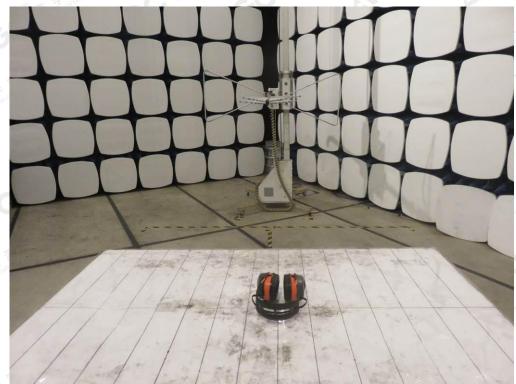


Report No.: AGC00807180701FE03 Page 51 of 63

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



FCC RADIATED EMISSION TEST SETUP

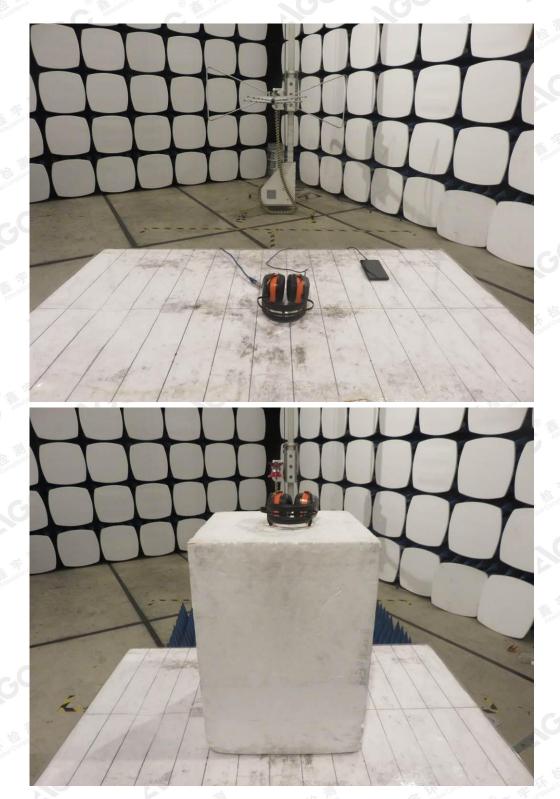


The results show of this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by ACC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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





Report No.: AGC00807180701FE03 Page 52 of 63

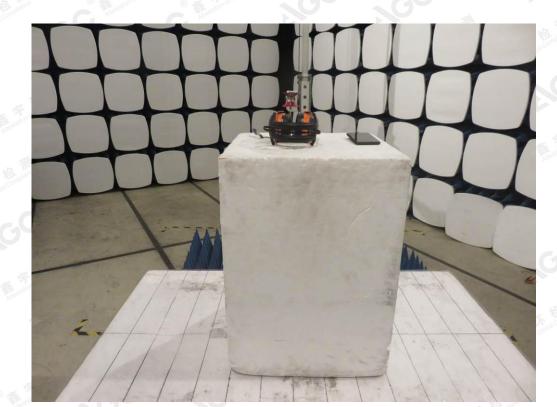


The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Attestation of Global Compliance



Report No.: AGC00807180701FE03 Page 53 of 63



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.: AGC00807180701FE03 Page 54 of 63

APPENDIX B: PHOTOGRAPHS OF EUT TOP VIEW OF EUT



BOTTOM VIEW OF EUT



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 attp://www.agc-gett.com.





Report No.: AGC00807180701FE03 Page 55 of 63

FRONT VIEW OF EUT



BACK VIEW OF EUT



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.cont.com.

Attestation of Global Compliance



Report No.: AGC00807180701FE03 Page 56 of 63

LEFT VIEW OF EUT



RIGHT VIEW OF EUT



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 the sample and the sample at th

Attestation of Global Compliance



Report No.: AGC00807180701FE03 Page 57 of 63

VIEW OF EUT (PORT)-1



VIEW OF EUT (PORT)-2



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.: AGC00807180701FE03 Page 58 of 63

OPEN VIEW OF EUT



VIEW OF BATTERY

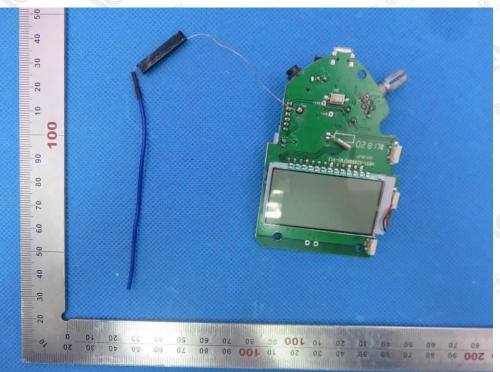
-PN703450 3.74 1500mAh 5.55Wh +2018/04/24

The results shows in this 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 attp://www.agc.gett.com.

Attestation of Global Compliance

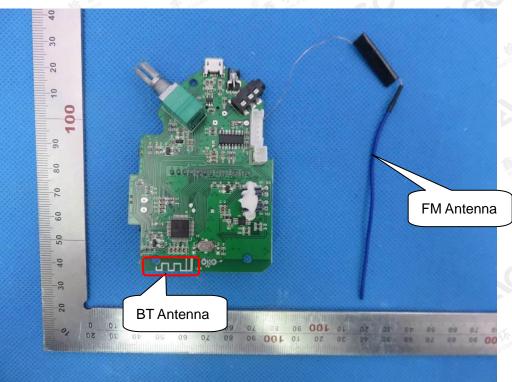


Report No.: AGC00807180701FE03 Page 59 of 63



INTERNAL VIEW OF EUT-1

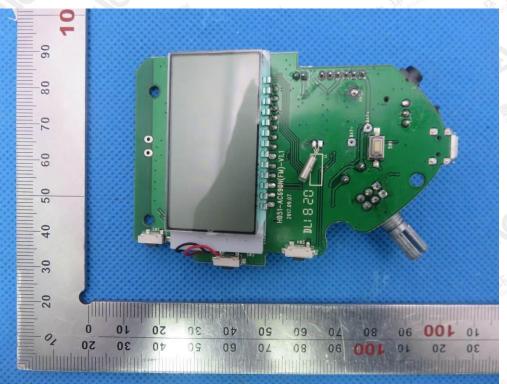
INTERNAL VIEW OF EUT-2



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.

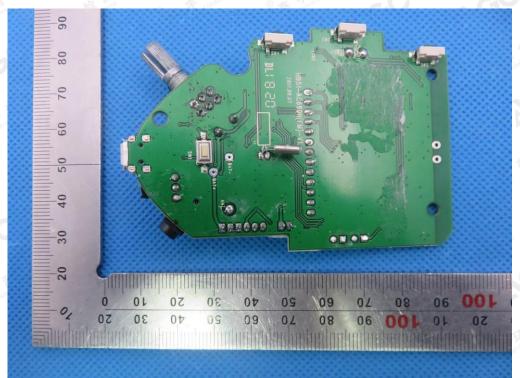


Report No.: AGC00807180701FE03 Page 60 of 63



INTERNAL VIEW OF EUT-3

INTERNAL VIEW OF EUT-4



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.

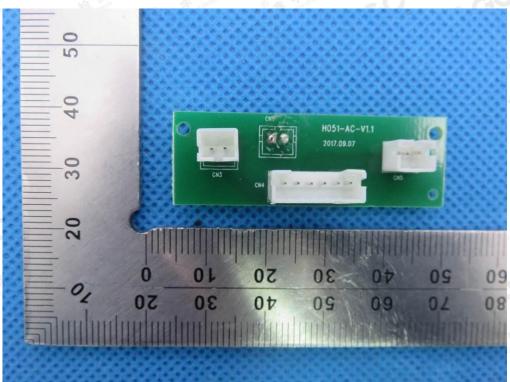


Report No.: AGC00807180701FE03 Page 61 of 63

INTERNAL VIEW OF EUT-5



INTERNAL VIEW OF EUT-6



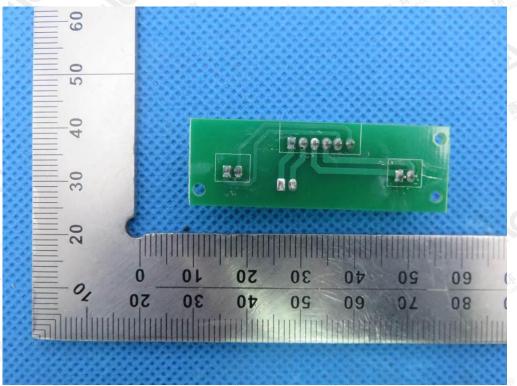
The results showing this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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





Report No.: AGC00807180701FE03 Page 62 of 63





INTERNAL VIEW OF EUT-8



The results shows in this 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 (CC, 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.: AGC00807180701FE03 Page 63 of 63

VIEW OF ADAPTER(AE)



The adapter was supplied by AGC ----END OF REPORT----

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 bits //www.accment.com

