

FCC Test Report

Report No.: AGC00737180520FE03

FCC ID : 2AIL4-BH173A

APPLICATION PURPOSE: Original Equipment

PRODUCT DESIGNATION: Wireless Speaker

BRAND NAME : VTIN

MODEL NAME : BH173A

CLIENT: VTIN TECHNOLOGY Co., Limited

DATE OF ISSUE : Jun. 07, 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

AGC 3

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 spowed this jest eport 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 a transfer o

Attestation of Global Compliance

Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com @ 400 089 2118 Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



Page 2 of 63

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	Jumes 1 8 Filter	Jun. 07, 2018	Valid	Initial release

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 KGC, 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.



TABLE OF CONTENTS

1. VERIFICATION OF CONFORMITY	4
2. GENERAL INFORMATION	5
2.2. TABLE OF CARRIER FREQUENCYS	5
3. MEASUREMENT UNCERTAINTY	
4. DESCRIPTION OF TEST MODES	
5. SYSTEM TEST CONFIGURATION	8
5.1. CONFIGURATION OF EUT SYSTEM5.2. EQUIPMENT USED IN EUT SYSTEM5.3. SUMMARY OF TEST RESULTS	8
6. TEST FACILITY	10
7. TEST METHOD	11
8. TEST EQUIPMENT LIST	
9. RADIATED EMISSION	12
9.1. TEST LIMIT 9.2. MEASUREMENT PROCEDURE 9.3. TEST SETUP 9.4. TEST RESULT	12 13 15
10. BAND EDGE EMISSION	38
10.1. MEASUREMENT PROCEDURE 10.2 TEST SETUP 10.3 RADIATED TEST RESULT	38 39
11. 20DB BANDWIDTH	43
11.1. MEASUREMENT PROCEDURE11.2. TEST SET-UP11.3. LIMITS AND MEASUREMENT RESULTS	43
12. FCC LINE CONDUCTED EMISSION TEST	50
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST	50 51 51
APPENDIX A: PHOTOGRAPHS OF TEST SETUP	54
ADDENIDIY D. DUOTOCDADUS OF FUT	57



age 4 of 63

1. VERIFICATION OF CONFORMITY

Applicant	VTIN TECHNOLOGY Co., Limited
Address	Unit D,16/F, One Capital Place, 18 Luard Road Wan Chai, HongKong, China
Manufacturer	VTIN TECHNOLOGY Co., Limited
Address	Unit D,16/F, One Capital Place, 18 Luard Road Wan Chai, HongKong, China
Product Designation	Wireless Speaker
Brand Name	VTIN
Test Model	BH173A
Date of test	May 25, 2018 to Jun. 04, 2018
Deviation	None O
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.

Tested By	Jorden Wang	
or colou by	Jonhen Wang(Wang Yonghuan)	Jun. 04, 2018
Reviewed By	and change	
	Cool Cheng(Cheng Mengguo)	Jun. 07, 2018
	Forrest cen	
Approved By		
	Forrest Lei(Lei Yonggang) Authorized Officer	Jun. 07, 2018

The results spowfill 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°C, 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.go.tt.com.



Page 5 of 63

2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

Operation Frequency	2.402 GHz to 2.480GHz
RF Output Power	-1.45dBm(Max EIRP Power=Max radiation field-95.2)
Bluetooth Version	V4.2
Modulation	BR ⊠GFSK, EDR ⊠π /4-DQPSK, ⊠8DPSK BLE □GFSK
Number of channels	79
Hardware Version	V1.1
Software Version	V1.0
Antenna Designation	PCB Antenna
Antenna Gain	1.7dBi
Power Supply	DC 3.7V by battery
Note: The USB port only u	sed 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	
100	rail	0 1 1 1	The Compliance	2402MHz	® ## Figures to the state of th
	The Compliance	® #1 dation of Godina C	Attestall A of Call	2403MHz	
	to ation of Glow				
		38	W	2440 MHz	Clopal Combiling
2400~2483.5MHz	1 1	39	Complian (S) See Jalon of Glob	2441 MHz	-0
	(S) Sittle tailor of Global	40	C.C Mes	2442 MHz	
	,0		: <u>10</u>	· 70	事 玩
	liji:	77	Global Compliance	2479 MHz	Attestation C
	The Manual Compilares	78	in the station of the	2480 MHz	



Page 6 of 63

3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ±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%.

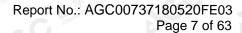
- Uncertainty of Conducted Emission, Uc = ±3.2 dB
- Uncertainty of Radiated Emission below 1GHz, Uc = ±3.9 dB
- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB

4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1 The Companies	Low channel GFSK
2	Middle channel GFSK
3	High channel GFSK
4	Low channel π /4-DQPSK
5 K Marine	Middle channel π /4-DQPSK
6	High channel π /4-DQPSK
7	Low channel 8DPSK
8	Middle channel 8DPSK
9 @ All and a cool	High channel 8DPSK
10	BT Link with charging
11	BT Link
7 7 1100	

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 spound 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 XOC, 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-gott.com.

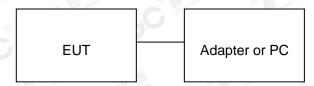


Page 8 of 63

5. SYSTEM TEST CONFIGURATION

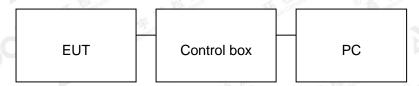
5.1. CONFIGURATION OF EUT SYSTEM

Configure 1: (Normal hopping)



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

Configure 2: (Control continuous TX)



5.2. EQUIPMENT USED IN EUT SYSTEM

Item	Equipment	Mfr/Brand	Model/Type No.	Remark	
1	Wireless Speaker	VTIN	BH173A	EUT	
2	Battery	M2T	523450	Accessory	
3	PC	APPLE	A1465	A.E	
4	Control box	CSR	USB_SPI_TOOLS	A.E	
5	Adapter	IPRO	NTR-S01	A.E	
6	USB Cable	N/A	1m unshielded	A.E	
7	IPOD	APPLE	A1367	A.E	
8	TF Card	Kingston	SDA10/16GB	A.E	



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



Page 10 of 63

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				



age 11 of 63

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

		76.5	3665 AC	7 7 70111	(B) A864
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
Radiation Cable 1	MXT	RS1	R005	June 6, 2017	June 5, 2018
Radiation Cable 2	MXT	RS1	R006	June 6, 2017	June 5, 2018
Loop Antenna	A.H.Systems,Inc	SAS-562B	-111	Mar. 01, 2018	Feb. 28, 2019
Filter (2.4-2.483GHz)	Micro-tronics	087	The town of the second	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 (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 a state of 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 a state of 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 a state of 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 a state of the sample (s) are retained for 30 days only. The document is issued by (CC, this document cannot be reported except in full with our prior written permission.



Page 12 of 63

9. RADIATED EMISSION

9.1. TEST 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	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)	2			
0.490 ~ 1.705	30	24000/F(kHz)	电测 乐意			
1.705 ~ 30	30	30	See The second of the second o			
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 Marine Commission 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.



Page 13 of 63

9.2. MEASUREMENT PROCEDURE

- 1. 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)
- 2. 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)
- 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)

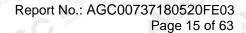
The results spound this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XCC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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



Page 14 of 63

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

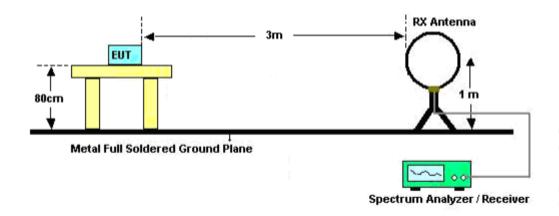
Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	Fundamental: 2.4~2.483GHz RBW 2MHz/ VBW 6MHz for Peak, RBW 2MHz/ VBW 10Hz for Average Harmonics: 1GHz~25GHz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



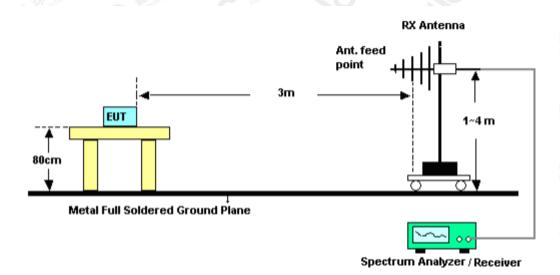


9.3. TEST SETUP

RADIATED EMISSION TEST-SETUP FREQUENCY BELOW 30MHz



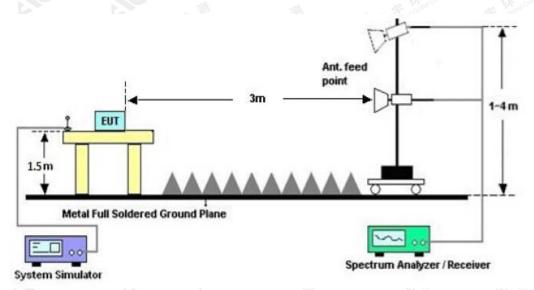
RADIATED EMISSION TEST SETUP 30MHz-1000MHz





Page 16 of 63

RADIATED EMISSION TEST SETUP ABOVE 1000MHz





age 17 of 63

9.4. TEST RESULT

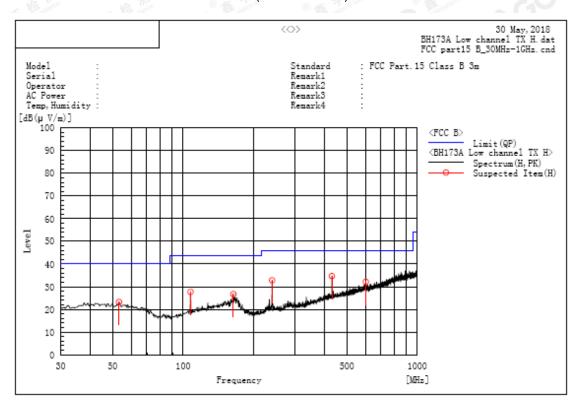
(Worst modulation: GFSK)

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



A. Suspected List:

	Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(u√/m) PK	Limit dB(u√/m) QP	Marqin dB	Pass/Fail	Height cm	Angle deg
	53.280	H	6.5	16.8	23.3	40.0	16.7	Pass	100.0	158.8
	107.600	Н	13.4	14.3	27.7	43.5	15.8	Pass	200.0	350.5
Γ	163.860	Н	10.3	16.5	26.8	43.5	16.7	Pass	200.0	350.5
	240.005	Н	16.6	16.2	32.8	46.0	13.2	Pass	100.0	174.6
	432.065	Н	13.0	21.7	34.7	46.0	11.3	Pass	100.0	76.1
	603.270	Н	7.2	25.0	32.2	46.0	13.8	Pass	100.0	152.7

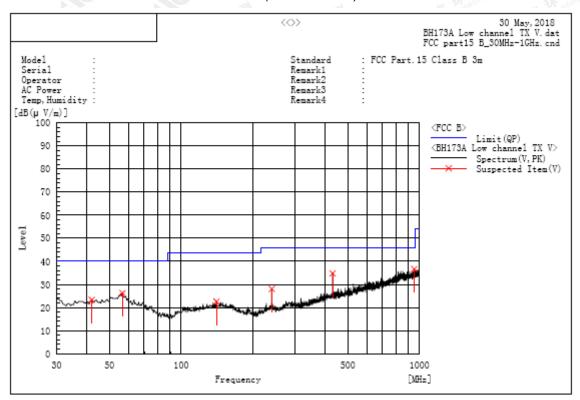
RESULT: PASS

The results spound 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 XCC, 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.go.tt.com.

IGC 8



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	Marqin dB	Pass/Fail	Height cm	Angle deg
42.125	v	6.0	17.4	23.4	40.0	16.6	Pass	100.0	3.5
56.675	v	9.7	16.6	26.3	40.0	13.7	Pass	200.0	266.9
140.580	v	6.0	16.6	22.6	43.5	20.9	Pass	200.0	341.6
240.005	v	11.9	16.2	28.1	46.0	17.9	Pass	100.0	74.2
432.065	v	13.1	21.7	34.8	46.0	11.2	Pass	200.0	266.9
949.560	v	6.0	30.7	36.7	46.0	9.3	Pass	200.0	266.9

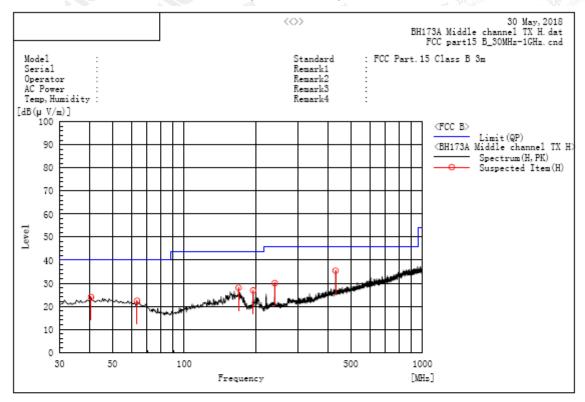
RESULT: PASS

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

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



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



A. Suspected List:

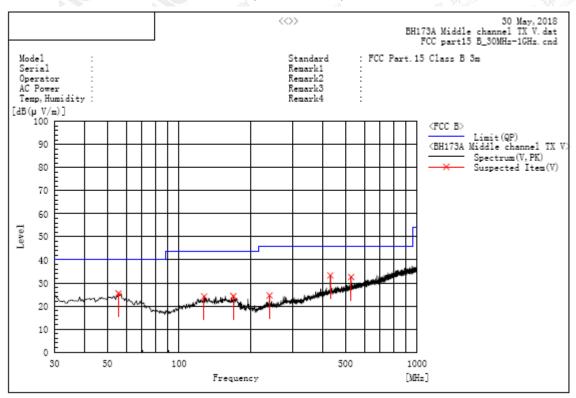
Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Marqin dB	Pass/Fail	Height cm	Angle deg
40.670	H	6.6	17.4	24.0	40.0	16.0	Pass	100.0	195.9
63.465	Н	6.6	15.8	22.4	40.0	17.6	Pass	100.0	42.1
169.195	Н	12.0	16.0	28.0	43.5	15.5	Pass	100.0	346.7
194.900	Н	13.3	13.6	26.9	43.5	16.6	Pass	200.0	113.5
240.005	Н	13.8	16.2	30.0	46.0	16.0	Pass	200.0	178.2
432.065	Н	13.7	21.7	35.4	46.0	10.6	Pass	100.0	48.7

RESULT: PASS



Page 20 of 63

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



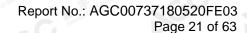
A. Suspected List:

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
55.705	V	8.9	16.6	25.5	40.0	14.5	Pass	100.0	14.6
127.485	V	8.2	16.0	24.2	43.5	19.3	Pass	100.0	116.1
169.195	V	8.3	16.0	24.3	43.5	19.2	Pass	100.0	153.8
240.005	V	8.4	16.2	24.6	46.0	21.4	Pass	100.0	31.8
432.065	V	11.6	21.7	33.3	46.0	12.7	Pass	200.0	230.6
528.095	V	9.2	23.4	32.6	46.0	13.4	Pass	100.0	30.7

RESULT: PASS

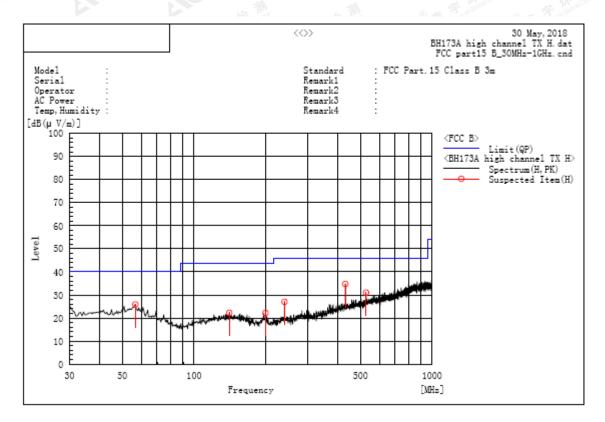
Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

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





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



A. Suspected List:

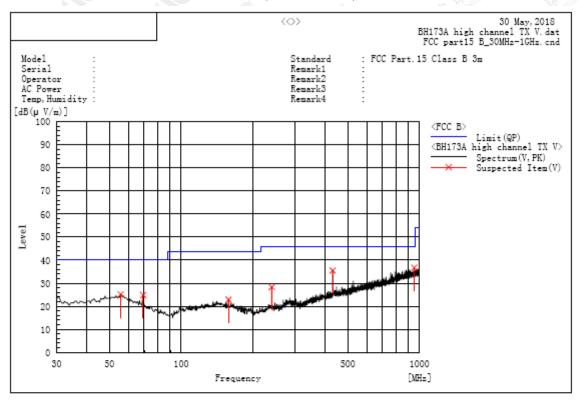
Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(u√/m) PK	Limit dB(uV/m) QP	Marqin dB	Pass/Fail	Height cm	Angle deg
56.675	Н	9.3	16.6	25.9	40.0	14.1	Pass	100.0	268.9
140.580	Н	5.7	16.6	22.3	43.5	21.2	Pass	100.0	341.0
199.750	Н	8.8	13.5	22.3	43.5	21.2	Pass	100.0	268.9
240.005	Н	10.8	16.2	27.0	46.0	19.0	Pass	100.0	199.4
432.065	Н	13.0	21.7	34.7	46.0	11.3	Pass	100.0	162.3
528.095	Н	7.6	23.4	31.0	46.0	15.0	Pass	100.0	162.3

RESULT: PASS



Page 22 of 63

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	Marqin dB	Pass/Fail	Height cm	Angle deg
	55.705	V	8.6	16.6	25.2	40.0	14.8	Pass	100.0	14.0
Г	69.285	V	10.3	14.6	24.9	40.0	15.1	Pass	100.0	336.0
	158.040	V	6.3	16.6	22.9	43.5	20.6	Pass	100.0	336.0
	240.005	V	12.2	16.2	28.4	46.0	17.6	Pass	200.0	324.1
34	432.065	V	13.8	21.7	35.5	46.0	10.5	Pass	200.0	72.1
	951.015	V	6.1	30.7	36.8	46.0	9.2	Pass	200.0	72.1

RESULT: PASS

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

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



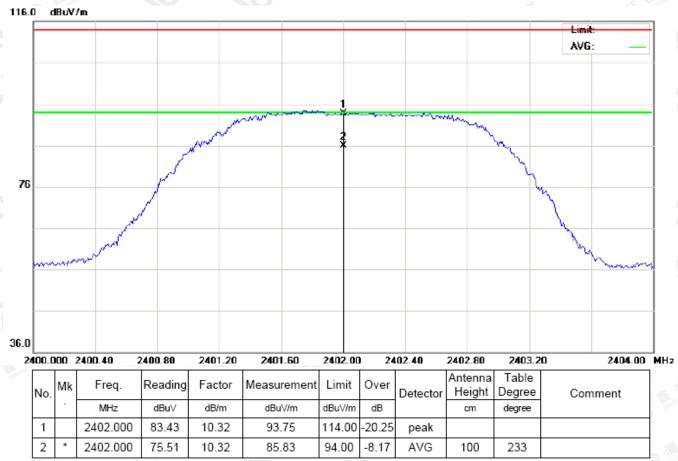
Page 23 of 63

RADIATED EMISSION ABOVE 1GHz

(Worst modulation: GFSK)

For Fundamental

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

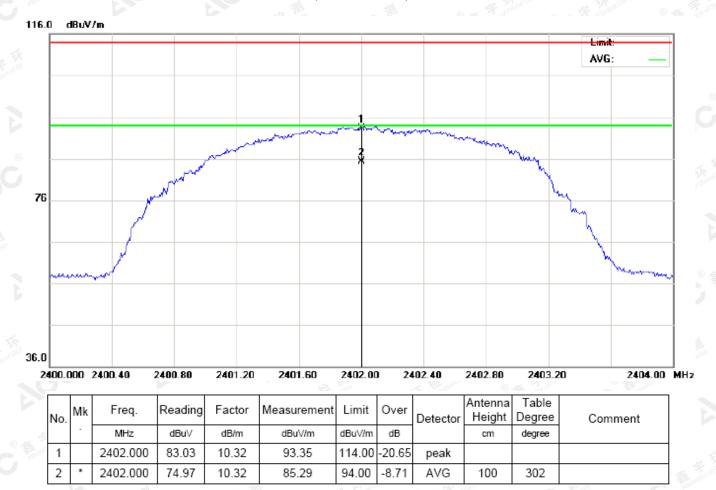


RESULT: PASS



Page 24 of 63

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



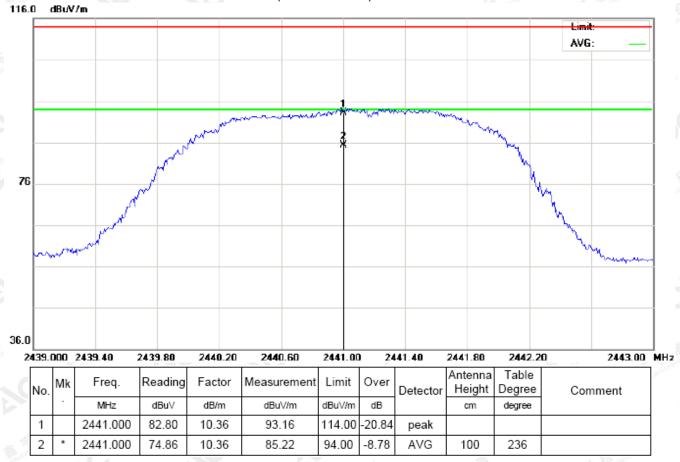
RESULT: PASS

The results spoured 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 XCC, 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 a true www.agc.gett.com.



Page 25 of 63

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

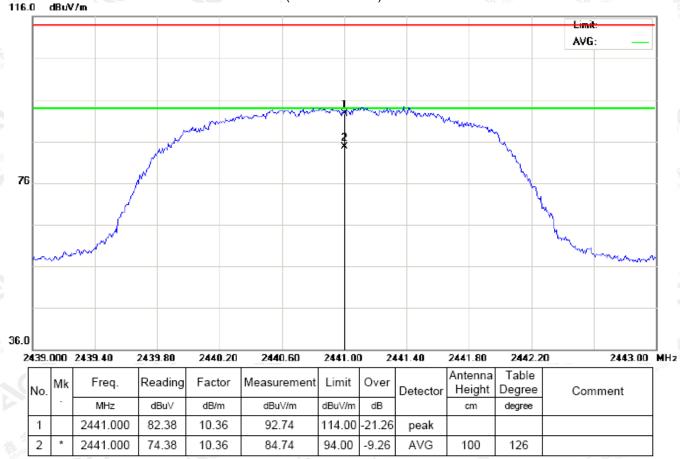


RESULT: PASS



Page 26 of 63

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



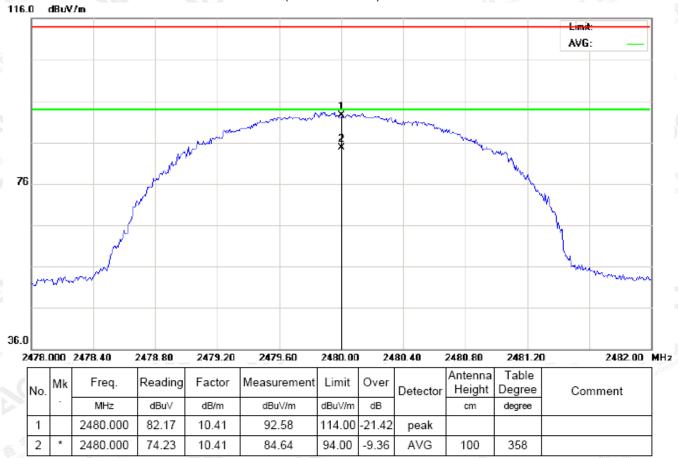
RESULT: PASS

The results spoured 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 XCC, 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 a true www.agc.gett.com.



Page 27 of 63

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



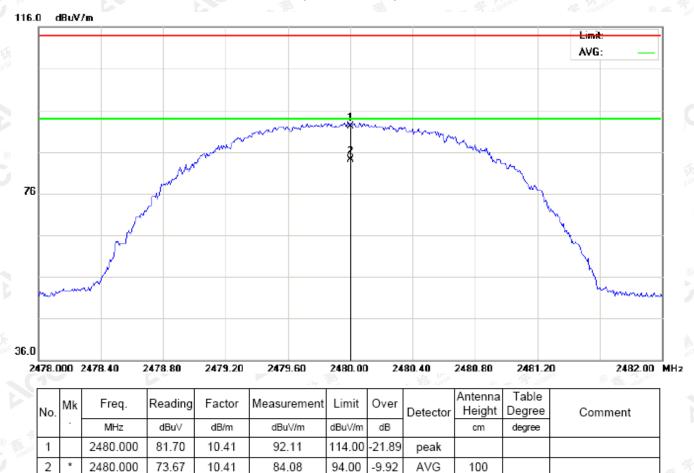
RESULT: PASS

The results spound 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 a true; //www.agc-gent.com.



Page 28 of 63

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



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 spowford 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 XOC, 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.go.tt.com.



Page 29 of 63

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	83.43	10.32	93.75	114	-20.25	Horizontal	
2402	83.03	10.32	93.35	114	-20.65	Vertical	
2441	82.80	10.36	93.16	114	-20.84	Horizontal	
2441	82.38	10.36	92.74	114	-21.26	Vertical	
2480	82.17	10.41	92.58	114	-21.42	Horizontal	
2480	81.70	10.41	92.11	114	-21.89	Vertical	

Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	75.51	10.32	85.83	94	-8.17	Horizontal
2402	74.97	10.32	85.29	94	-8.71	Vertical
2441	74.86	10.36	85.22	94	-8.78	Horizontal
2441	74.38	10.36	84.74	94	-9.26	Vertical
2480	74.23	10.41	84.64	94	-9.36	Horizontal
2480	73.67	10.41	84.08	94	-9.92	Vertical



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	82.95	10.32	93.27	114	-20.73	Horizontal
2402	82.61	10.32	92.93	114	-21.07	Vertical
2441	82.32	10.36	92.68	114	-21.32	Horizontal
2441	81.89	10.36	92.25	114	-21.75	Vertical
2480	81.71	10.41	92.12	114	-21.88	Horizontal
2480	81.31	10.41	91.72	114	-22.28	Vertical

Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna	
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization	
2402	75.07	10.32	85.39	94	-8.61	Horizontal	
2402	74.59	10.32	84.91	94	-9.09	Vertical	
2441	74.47	10.36	84.83	94	-9.17	Horizontal	
2441	74.02	10.36	84.38	94	-9.62	Vertical	
2480	73.76	10.41	84.17	94	-9.83	Horizontal	
2480	73.27	10.41	83.68	94	-10.32	Vertical	



Page 31 of 63

3Mbps Result:

Peak value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna	
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization	
2402	82.47	10.32	92.79	114	-21.21	Horizontal	
2402	82.31	10.32	92.63	114	-21.37	Vertical	
2441	81.96	10.36	92.32	114	-21.68	Horizontal	
2441	81.54	10.36	91.90	114	-22.10	Vertical	
2480	81.32	10.41	91.73	114	-22.27	Horizontal	
2480	80.86	10.41	91.27	114	-22.73	Vertical	

Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna	
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization	
2402	74.69	10.32	85.01	94	-8.99	Horizontal	
2402	74.20	10.32	84.52	94	-9.48	Vertical	
2441	74.12	10.36	84.48	94	-9.52	Horizontal	
2441	73.64	10.36	84.00	94	-10.00	Vertical	
2480	73.32	10.41	83.73	94	-10.27	Horizontal	
2480	72.88	10.41	83.29	94	-10.71	Vertical	

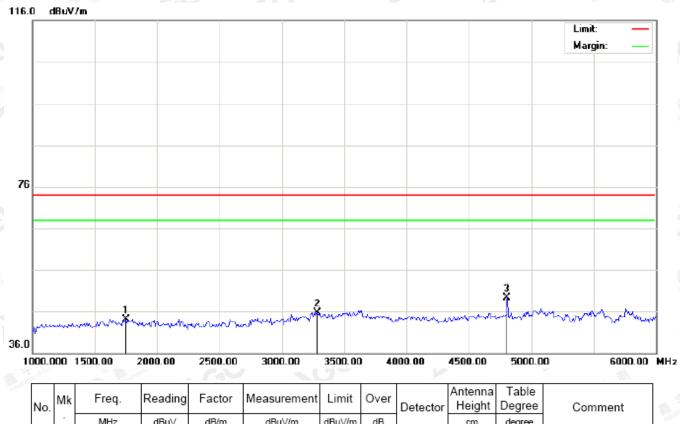


Page 32 of 63

(Worst modulation: GFSK)

For Harmonics

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



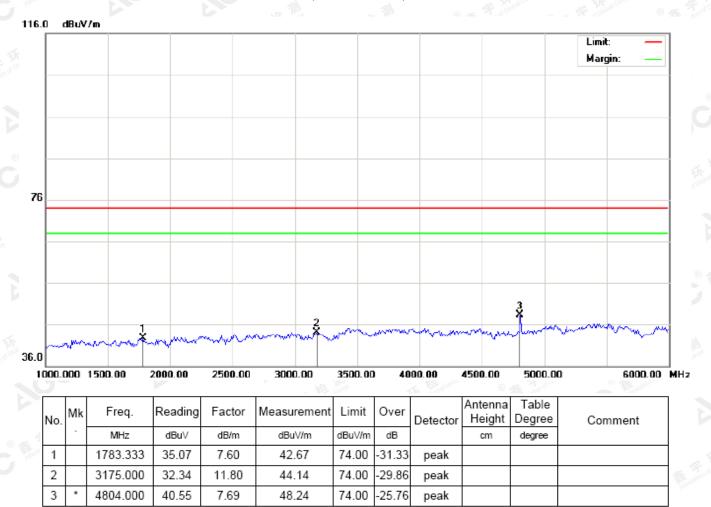
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Height	Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1		1750.000	36.85	7.25	44.10	74.00	-29.90	peak			
2		3283.333	33.80	11.91	45.71	74.00	-28.29	peak			
3	*	4804.000	41.71	7.69	49.40	74.00	-24.60	peak		·	

RESULT: PASS



Page 33 of 63

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



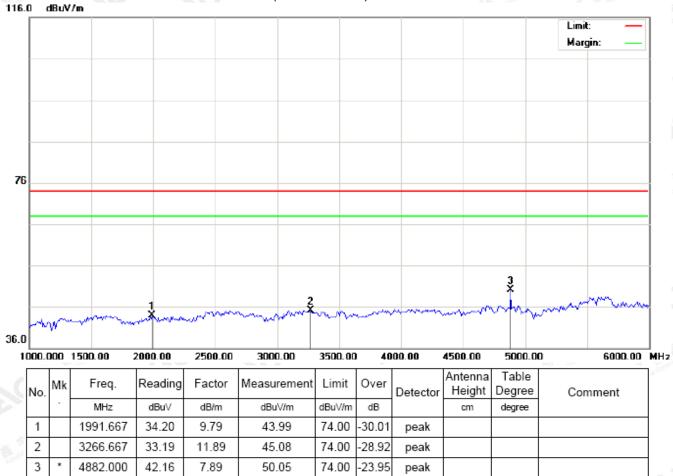
RESULT: PASS

The results spound 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 XCC, 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 a true www.ago.gent.com.



Page 34 of 63

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



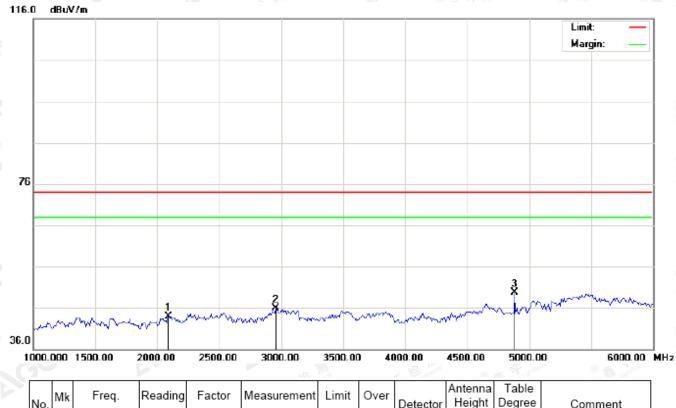
RESULT: PASS

The results spoured 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 XOC, 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.go.tt.com.



Page 35 of 63

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



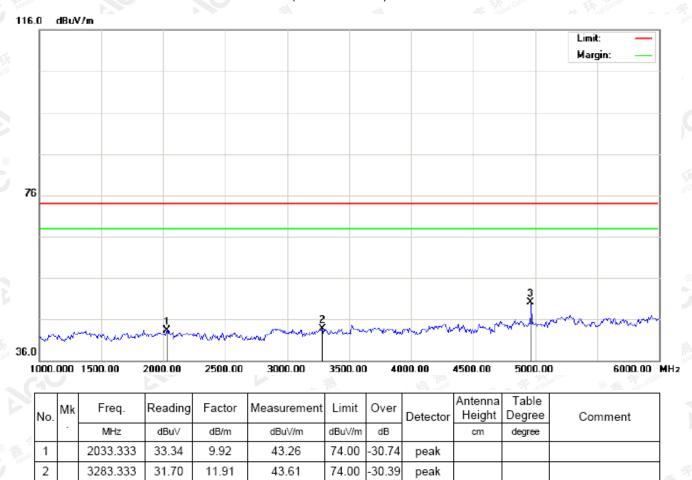
N	0.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	'	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
8	١		2091.667	33.91	9.98	43.89	74.00	-30.11	peak			
2	2		2958.333	34.27	11.54	45.81	74.00	-28.19	peak			
3	3	*	4882.000	41.89	7.89	49.78	74.00	-24.22	peak			

RESULT: PASS



Page 36 of 63

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



74.00

-23.81

peak

50.19

RESULT: PASS

4960.000

8.09

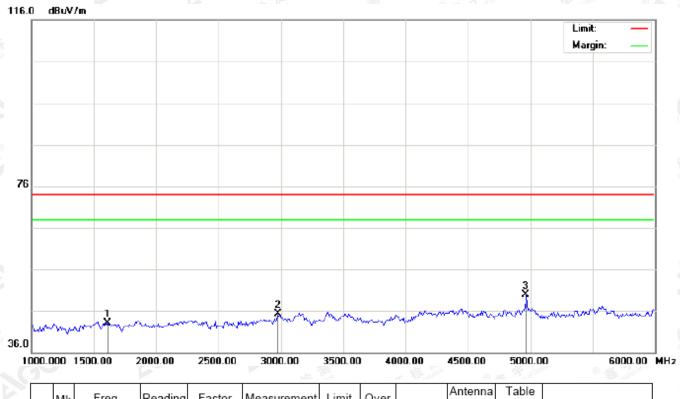
42.10

The results spoured 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 XOC, 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.go.tt.com.



Page 37 of 63

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



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
3	-	MHz	dBu∀	dB/m	dBu\//m	dBu∀/m	dB		cm	degree	
1		1608.333	37.38	5.76	43.14	74.00	-30.86	peak			
2		2975.000	33.70	11.58	45.28	74.00	-28.72	peak			
3	*	4960.000	41.91	8.09	50.00	74.00	-24.00	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 spowford 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 XOC, 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.go.tt.com.



Page 38 of 63

10. BAND EDGE EMISSION

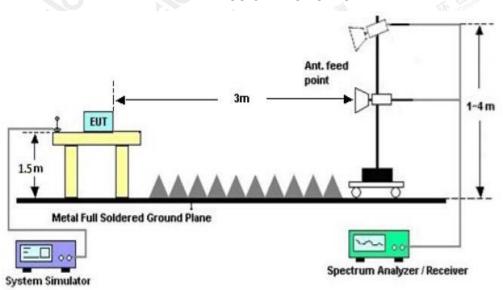
10.1. MEASUREMENT PROCEDURE

- 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.

	Start frequenc	y(MHz)		Stop frequency(MHz)		
	2200	Kingliance	The Compilers	© A station	2405	100°
8 F.	2478	Global Co	attestation of Glob	-,0 "	2500	

10.2 TEST SETUP

RADIATED EMISSION TEST SETUP



The results spowford 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 XOC, 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.go.tt.com.

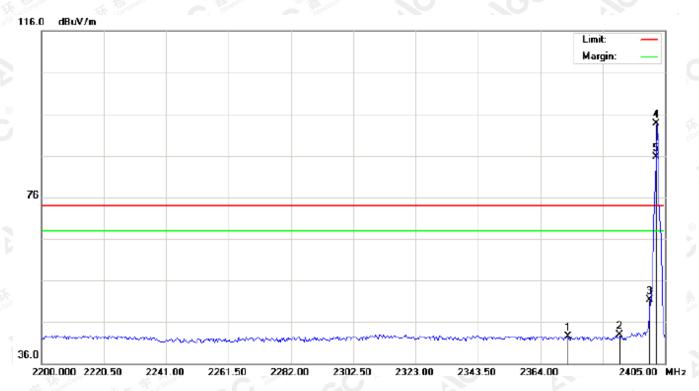


Page 39 of 63

10.3 RADIATED TEST RESULT

(Worst modulation: GFSK)

TEST PLOT OF BAND EDGE FOR LOW CHANNEL-Horizontal



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
	-	MHz	dBu∀	dB/m	dBuV/m	dBu∀/m	dB		cm	degree	
1		2373.225	32.17	10.29	42.46	74.00	-31.54	peak			
2		2390.000	32.50	10.31	42.81	74.00	-31.19	peak			
3		2400.000	40.97	10.32	51.29	74.00	-22.71	peak			
4	*	2402.000	83.32	10.32	93.64	74.00	19.64	peak		·	
5	Х	2402.000	75.40	10.32	85.72	74.00	11.72	AVG	100	248	

The results spowth 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.gott.com.



Page 40 of 63

TEST PLOT OF BAND EDGE FOR LOW CHANNEL -Vertical



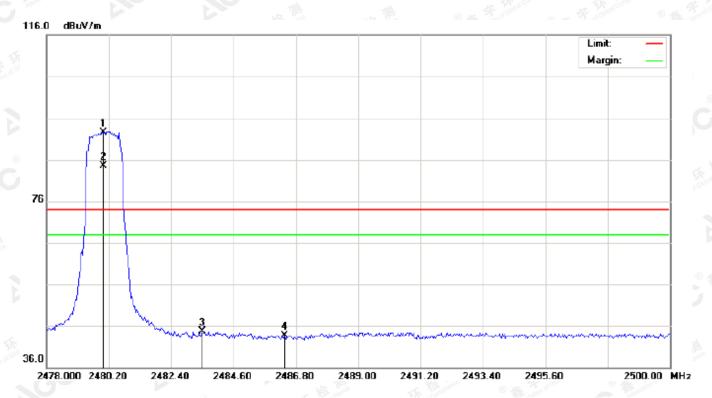
	No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
	1		2376.642	32.09	10.29	42.38	74.00	-31.62	peak			
iali	2		2390.000	31.21	10.31	41.52	74.00	-32.48	peak			
	3		2400.000	35.56	10.32	45.88	74.00	-28.12	peak			
	4	*	2402.000	82.92	10.32	93.24	74.00	19.24	peak			
	5	Х	2402.000	74.85	10.32	85.17	74.00	11.17	AVG	100	157	

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 attr://www.agc.cett.com.



Page 41 of 63

TEST PLOT OF BAND EDGE FOR HIGH CHANNEL -Horizontal



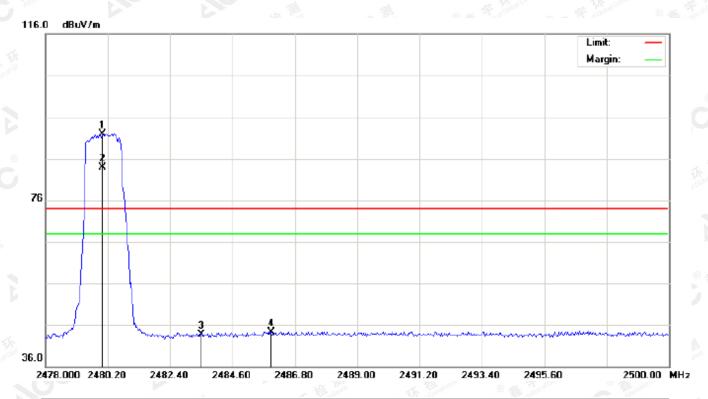
N	о.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
1		-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
3)	1	*	2480.000	82.06	10.41	92.47	74.00	18.47	peak			
	2	Х	2480.000	74.12	10.41	84.53	74.00	10.53	AVG			
-	3		2483.500	34.19	10.41	44.60	74.00	-29.40	peak			
4	4		2486.396	33.36	10.41	43.77	74.00	-30.23	peak			

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.



Page 42 of 63

TEST PLOT OF BAND EDGE FOR HIGH CHANNEL-Vertical



No	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
d	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1	*	2480.000	81.59	10.41	92.00	74.00	18.00	peak			
2	Х	2480.000	73.55	10.41	83.96	74.00	9.96	AVG	100	159	
3		2483.500	33.26	10.41	43.67	74.00	-30.33	peak			
4		2485.957	33.98	10.41	44.39	74.00	-29.61	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 spowed 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°C, 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.go.tt.com.



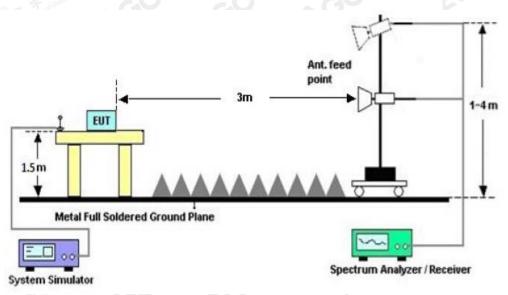
Page 43 of 63

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 ≥ 1% of the 20 dB bandwidth, VBW ≥ 3RBW; Sweep = auto; Detector function = peak
- 3. Set SPA Trace 1 Max hold, then View.

11.2. TEST SET-UP



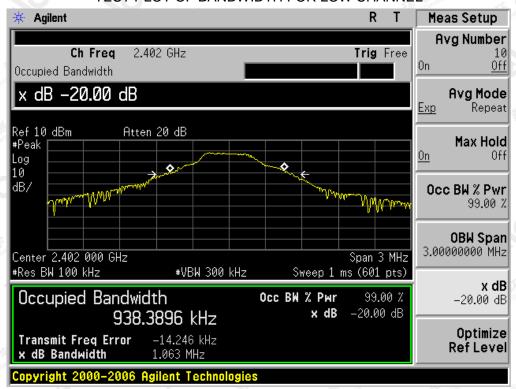
11.3. LIMITS AND MEASUREMENT RESULTS

		4.DL 1.76					
BLUET	OOTH 1MBPS LIN	MITS AND MEASU	REMENT RESULT				
	Measurement Result						
Applicable Limits		D					
		99%OBW (MHz)	-20dB BW(MHz)	Result			
The State of the Company	Low Channel	0.938	1.063	PASS			
N/A	Middle Channel	0.936	1.069	PASS			
	High Channel	0.931	1.054	PASS			

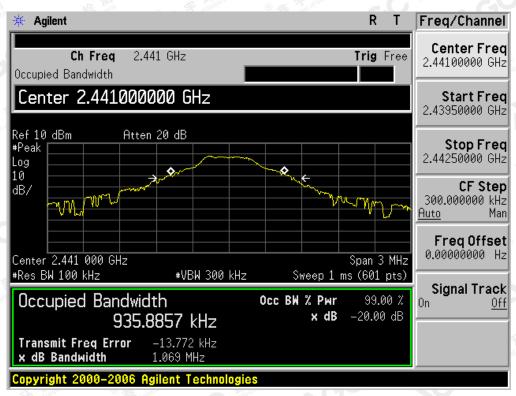
The results spowford this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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



TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



The results spowford 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 XOC, 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.go.tt.com.

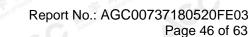


Page 45 of 63

TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



The results spoured 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 XOC, 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.go.tt.com.





	Illian			
BLUETO	OOTH 2MBPS LIN	MITS AND MEASU	REMENT RESULT	
		Measure	ement Result	
Applicable Limits		Decult		
		Result		
下发现。 不是现象	Low Channel	1.226	1.375	PASS
N/A	Middle Channel	1.219	1.385	PASS
COC "	High Channel	1.224	1.406	PASS

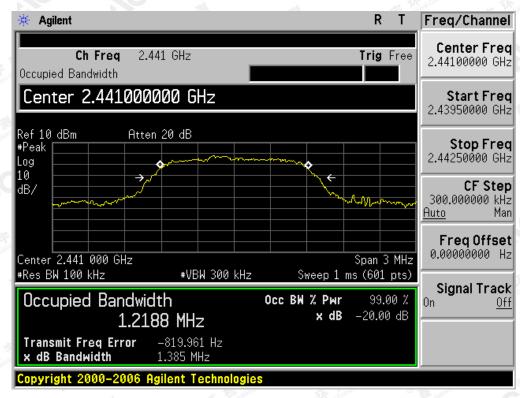
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



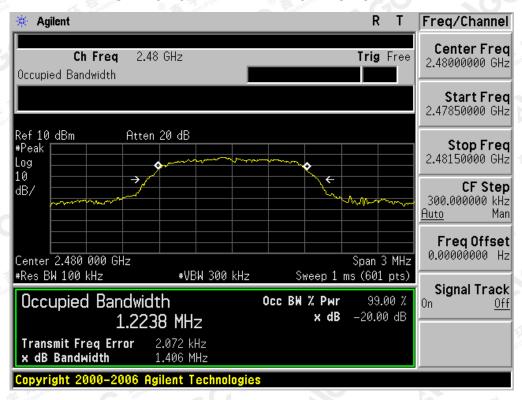
The results spound this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XCC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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



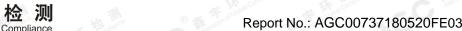
TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



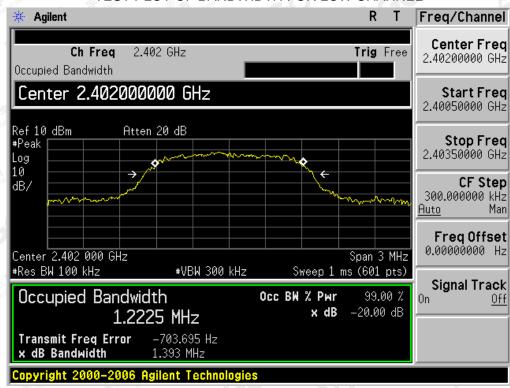
The results spowford this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XOC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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



Page 48 of 63

BLUET	OOTH 2MBPS LIN	MITS AND MEASU	REMENT RESULT			
		Measure	ement Result			
Applicable Limits		Test Data (MHz)				
		99%OBW (MHz)	-20dB BW(MHz)	Result		
下 增加	Low Channel	1.223	1.393	PASS		
N/A	Middle Channel	1.234	1.403	PASS		
- GO ***	High Channel	1.235	1.374	PASS		

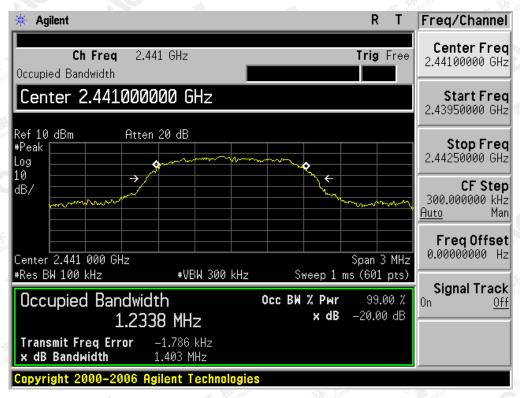
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



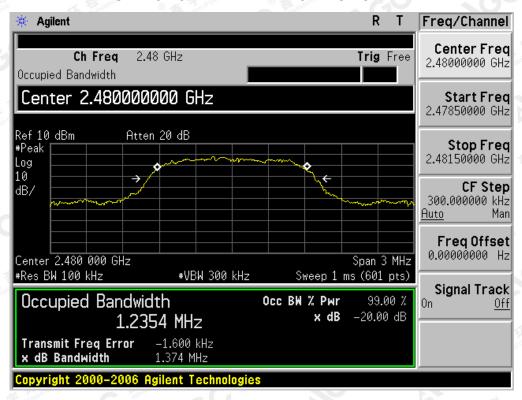
The results spound this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XCC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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



TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



The results spowford 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 XOC, 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.go.tt.com.



age 50 of 63

12. FCC LINE CONDUCTED EMISSION TEST

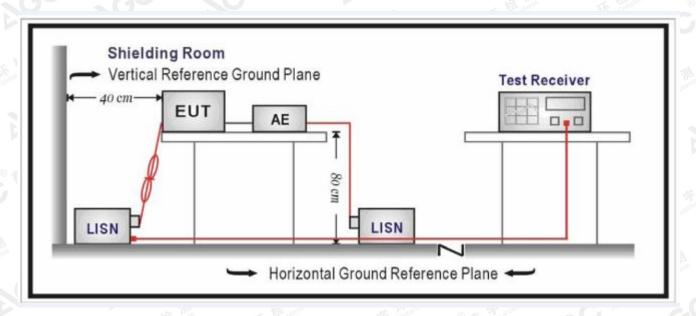
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST

F	Maximum RF	Maximum RF Line Voltage							
Frequency	Q.P.(dBuV)	Average(dBuV)							
150kHz~500kHz	66-56	56-46							
500kHz~5MHz	8 gg 200 56 gg 100 00 00 00 00 00 00 00 00 00 00 00 00	46 / W							
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 spound 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 XCC, 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.go.tt.com.



Page 51 of 63

12.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. 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

- 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.

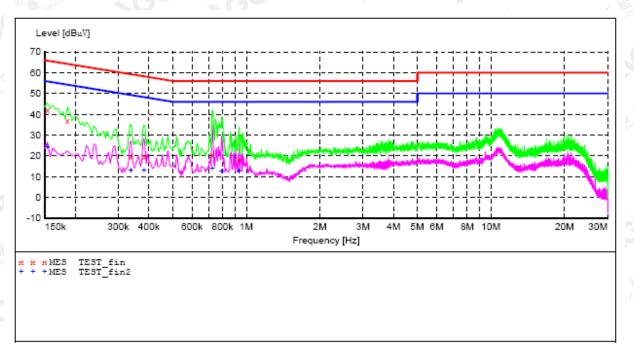
The results spound this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XCC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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



12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

By adapter(worst case)

Line Conducted Emission Test Line 1-L



MEASUREMENT RESULT:

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.154000 0.186000 0.338000 0.382000 0.726000 0.934000	42.20 37.10 19.70 19.50 20.40 18.40	10.0 10.1 10.1 10.1 10.1 10.2	66 64 59 58 56	23.6 27.1 39.6 38.7 35.6 37.6	QP QP QP QP QP QP	L1 L1 L1 L1 L1 L1	FLO FLO FLO FLO FLO

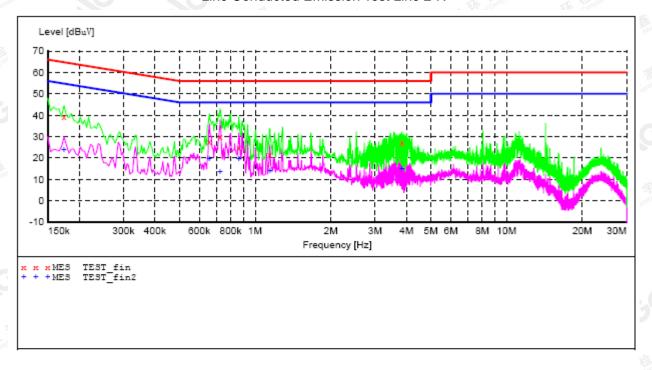
MEASUREMENT RESULT:

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.154000 0.338000 0.382000 0.726000 0.794000 0.934000	24.50 13.20 13.00 14.00 12.60 12.80	10.0 10.1 10.1 10.1 10.2 10.2	56 49 48 46 46 46	31.3 36.1 35.2 32.0 33.4 33.2	AV AV AV AV AV	L1 L1 L1 L1 L1 L1	FLO FLO FLO FLO FLO

The results spoured 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 a true www.agc.gett.com.



Line Conducted Emission Test Line 2-N



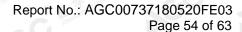
MEASUREMENT RESULT:

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.174000 0.658000 0.726000 0.862000 1.142000 3.834000	39.10 27.80 29.90 24.80 21.40 27.20	10.0 10.1 10.1 10.2 10.2 10.1	65 56 56 56 56	25.7 28.2 26.1 31.2 34.6 28.8	QP QP QP QP QP QP	N N N N N	FLO FLO FLO FLO FLO

MEASUREMENT RESULT:

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.174000 0.658000 0.726000 0.862000 1.146000 3.834000	24.10 19.80 13.80 19.80 13.90 15.20	10.0 10.1 10.1 10.2 10.2	55 46 46 46 46 46	30.7 26.2 32.2 26.2 32.1 30.8	AV AV AV AV AV	N N N N N	FLO FLO FLO FLO FLO

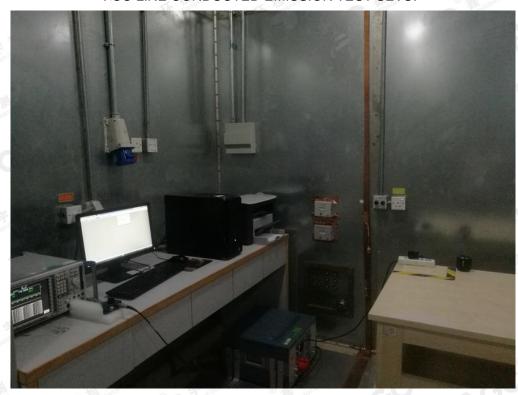
The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by 1000, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at alther. I/www.agc.gett.com.





APPENDIX A: PHOTOGRAPHS OF TEST SETUP

FCC LINE CONDUCTED EMISSION TEST SETUP



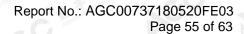
FCC RADIATED EMISSION TEST SETUP



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.

Attestation of Global Compliance

Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com @ 400 089 2118 Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China









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 a true; //www.agc.gett.com.



Page 56 of 63



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 (60°, 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.

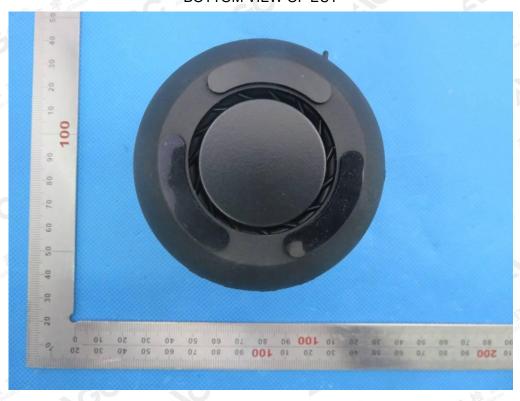


APPENDIX B: PHOTOGRAPHS OF EUT

TOP VIEW OF EUT



BOTTOM VIEW OF EUT



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 a type of the confirmed at a type of type of type of the confirmed at a type of type

Attestation of Global Compliance

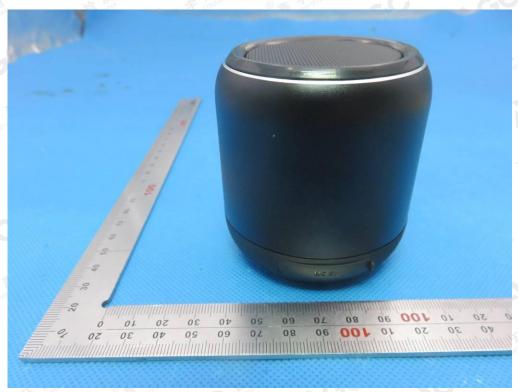
Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com @ 400 089 2118 Add: 2/F., Building 2, No.1-4,Chaxi Sanwei Technical Industrial Park,Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



FRONT VIEW OF EUT



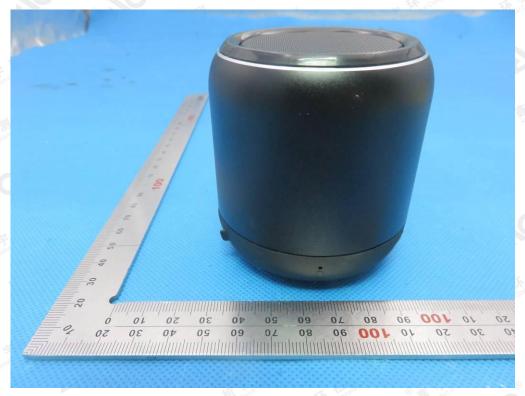
BACK VIEW OF EUT



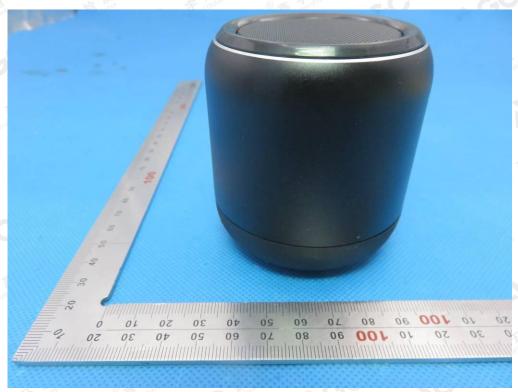
The results shown the sample (s) tested unless otherwise stated and the sample (s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at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



LEFT VIEW OF EUT



RIGHT VIEW OF EUT



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 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.

Attestation of Global Compliance

Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com @ 400 089 2118 Add: 2/F. , Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



VIEW OF EUT (PORT)



OPEN VIEW OF EUT



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.cent.com.

Attestation of Global Compliance

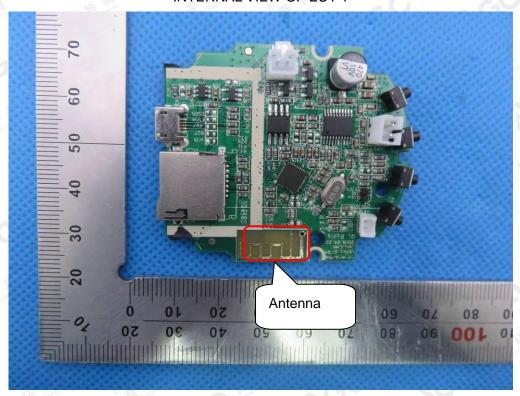
Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com @ 400 089 2118 Add: 2/F., Building 2, No.1-4,Chaxi Sanwei Technical Industrial Park,Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



VIEW OF BATTERY



INTERNAL VIEW OF EUT-1



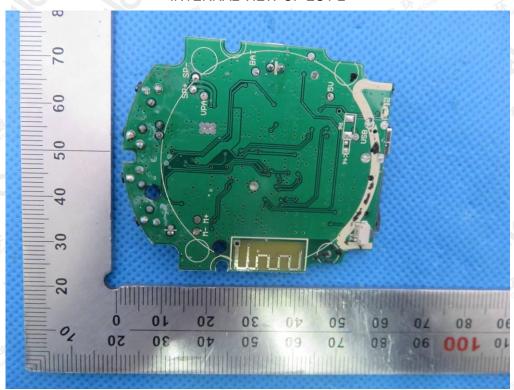
The results spowth this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Attestation of Global Compliance

Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com @ 400 089 2118 Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



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 a state of 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 a state of 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 a state of 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.

Attestation of Global Compliance

Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com @ 400 089 2118 Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



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