

FCC Test Report

Report No.: AGC01707180501FE03

FCC ID : 2AAZR-HSD9036A

APPLICATION PURPOSE: Original Equipment

PRODUCT DESIGNATION: LED TABLE LAMP WITH BLUETOOTH SPEAKER

BRAND NAME : N/A

MODEL NAME : HSD9036A, SP900, HSD9036B, HSD9036C

CLIENT: SHENZHEN HIGHSTAR ELECTRICAL CO.,LTD

DATE OF ISSUE : May 11, 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 spower 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 2 of 60

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	Jumes 1 8 Filter	May 11, 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	
2.1. PRODUCT DESCRIPTION	5 5
3. MEASUREMENT UNCERTAINTY	6
4. DESCRIPTION OF TEST MODES	6
5. SYSTEM TEST CONFIGURATION	7 7
7. TEST METHOD	
8. TEST EQUIPMENT LIST	
9. RADIATED EMISSION	11
9.1. TEST LIMIT 9.2. MEASUREMENT PROCEDURE 9.3. TEST SETUP 9.4. TEST RESULT	12
10. BAND EDGE EMISSION	36
10.1. MEASUREMENT PROCEDURE	36 37
11. 20DB BANDWIDTH	41
11.1. MEASUREMENT PROCEDURE	41
12. FCC LINE CONDUCTED EMISSION TEST	46
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST	47 47
APPENDIX A: PHOTOGRAPHS OF TEST SETUP	50
APPENDIX B. PHOTOGRAPHS OF FUT	53

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.cett.com.



age 4 of 60

1. VERIFICATION OF CONFORMITY

Applicant	SHENZHEN HIGHSTAR ELECTRICAL CO.,LTD
Address	2F, 4&5F, Building6, Ya Lian Highstar Industrial Zone, 5022 Wuhe Avenue, Bantian Street, Longgang District, Shenzhen China.
Manufacturer	SHENZHEN HIGHSTAR ELECTRICAL CO.,LTD
Address	2F, 4&5F, Building6, Ya Lian Highstar Industrial Zone, 5022 Wuhe Avenue, Bantian Street, Longgang District, Shenzhen China.
Product Designation	LED TABLE LAMP WITH BLUETOOTH SPEAKER
Brand Name	N/A
Test Model	HSD9036A
Series Model	SP900, HSD9036B, HSD9036C
Difference Description	All the same except for the model name
Date of test	Apr. 25, 2018 to May 05, 2018
Deviation	None 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.

Tested By		Harry	Zhang		
Todaca By	Henry Zha	ng(Zhang Zh	nuorui)	May 05, 2018	
Reviewed By		cul a	heng		
© Manufaction Common	Cool Cheng	g(Cheng Mer	ngguo)	May 11, 2018	_
Approved By		Fower	لنعنظ		
Allares © Allactores		ei(Lei Yongg orized Officei		May 11, 2018	

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 5 of 60

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	-7.15dBm(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	V1.0
Software Version	V1.0
Antenna Designation	PCB Antenna
Antenna Gain	-0.58dBi
Power Supply	INPUT: 100-240V~50/60HZ 0.4A Max OUTPUT: 5V===2A

2.2. TABLE OF CARRIER FREQUENCYS

BR/EDR Channel List

Frequency Band	Channel Number	Frequency
GC M	0	2402MHz
· in	1 1 1	2403MHz
The Action Compliance		
	38	2440 MHz
2400~2483.5MHz	39	2441 MHz
The state of the s	40	2442 MHz
Colona Compilance (8) St. Landon of California	C +C >	30
CO PC	77	2479 MHz
lite:	78	2480 MHz

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.



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 Management of the second	IN The spine	Low channel GFSK							
@	2 01 0	station of Globald	® Attests	ion of old	Middl	e chai	nnel GFS	SK		n)
60	3				High	chan	nel GFSI	K Kingling	不管	^{Suce}
	4		KEL JUNIO	5	Low ch	annel	π /4-DQI	PSK	® Attention of Gunba	\C
Tallance	5	© Andron of C	Hopal Court	® \$	Middle cl	hanne	l π /4-DC	QPSK		
W.	© 6 00 00 00 00 00 00 00 00 00 00 00 00 0	40	\ C	O	High ch	annel	π /4-DQ	PSK	超 测	TO Y
GC	7			N/SL	- FILL	BTL	ink	® # Fords	bal Comodin	ion of Global
	12 11/2	将	4	Softv	ware Setting	Jot Clopar Con		Alleran	- GO	
icc icc	FCCAssist 1.5									×
351210	Parameter									
	MODE	TX 💌								13
	Channel	78 🔻	Packe	t type	2-DH3 ×	D	ata Types	Pn9	~	Z.
	Transmit Power	10 🕶	Нор	ping	OFF	S	erial Port	сомз	<u>~</u> 😱	Cot
C		:03 ata Types: Pn9						Send config	uration	
	Fransmit Power : 10 Send configuration info	Packet type: 2-i ormation successfu		Descr	ription:					Atte
				1, (Channel: range	0-78, c	orrespondin	g frequency	2.402GHz-2.480G	HZ
Pitte				2, 1	Transmit Power	range	0-10, 0 is t	he minimum,	maximum 10	

The results spought 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.gatt.com.

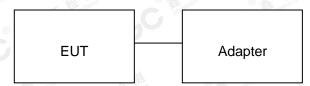


Page 7 of 60

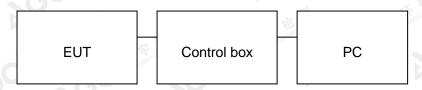
5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

Configure 1: (Normal hopping)



Configure 2: (Control continuous TX)



5.2. EQUIPMENT USED IN EUT SYSTEM

700 E 17					
Item	Equipment	Equipment Mfr/Brand		Remark	
10	LED TABLE LAMP WITH BLUETOOTH SPEAKER	HIGHSTAR	HSD9036A	EUT	
2	PC	APPLE	A1465	A.E	
3	Control box	GZUT	N/A	A.E	
4	Adapter	NALIN	NLB200050W1A4S95	Accessory	
5	AUX IN Cable	N/A	0.4m unshielded	Accessory	
6	LOAD	HXP	RX24	A.E	

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.gett.com.



Page 8 of 60

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 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.cett.com.



Page 9 of 60

6. TEST FACILITY

Part of the second of the seco	
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 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.cett.com.



age 10 of 60

7. TEST METHOD

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

8. TEST EQUIPMENT LIST

TEST EQUIPMENT OF CONDUCTED EMISSION TEST

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

TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	Jun.20, 2017	Jun.19, 2018
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec.08, 2017	Dec.07, 2018
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep.20, 2017	Sep.19, 2018
preamplifier	ChengYi	EMC184045SE	980508	Sep.15, 2017	Sep.14, 2018
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May 18, 2017	May 17, 2019
Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-205	Jun.20, 2017	Jun.19, 2018
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep.28, 2017	Sep.27, 2018
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	The consumo	Mar. 01, 2018	Feb. 28, 2019
Filter (2.4-2.483GHz)	Micro-tronics	087	-C	Jun.20, 2017	Jun.19, 2018

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.



Page 11 of 60

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)	吃那			
1.705 ~ 30	30	30 (1)	E Sobolico Coloro			
30 ~ 88	3	100	40.0			
88 ~ 216	3 - 6	150	43.5			
216 ~ 960	3	200	46.0			
960 ~ 1000	3	500	54.0			
Above 1000	3 The factor of the second	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 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.



Page 12 of 60

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.
- 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.

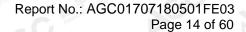


Page 13 of 60

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

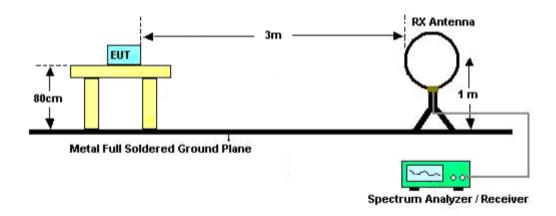
The results shown this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the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



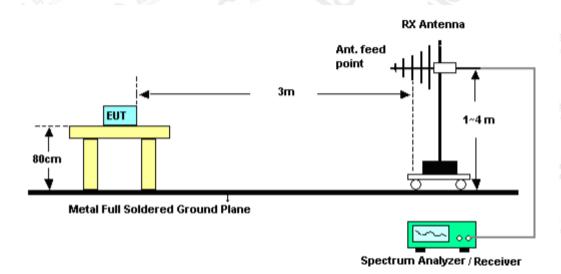


9.3. TEST SETUP

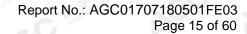
RADIATED EMISSION TEST-SETUP FREQUENCY BELOW 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz

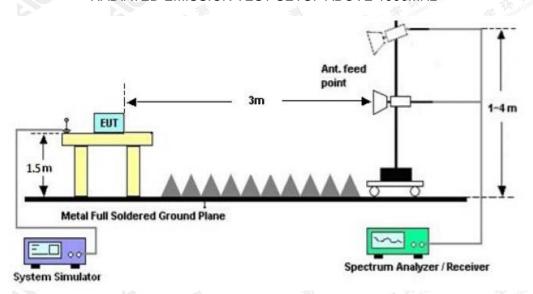


The results shown this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the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





RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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 100°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 although the confirmed at although the confirmed at although the confirmed at all the confirme



Page 16 of 60

9.4. TEST RESULT

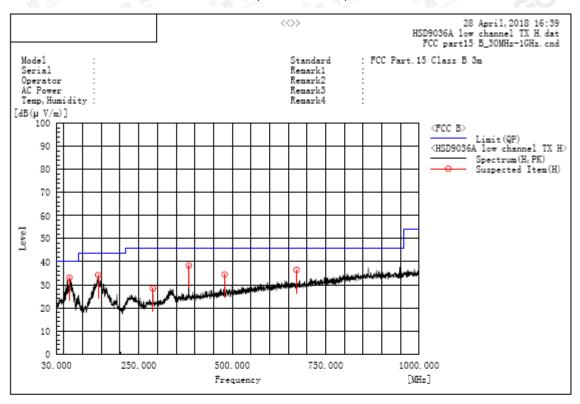
(Worst modulation: π /4-DQPSK)

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:

X G	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
	64.920	H	17.5	15.6	33.1	40.0	6.9	Pass	200.0	208.2
	141.550	Н	17.6	16.6	34.2	43.5	9.3	Pass	100.0	65.8
(2)	288.020	Н	10.7	17.6	28.3	46.0	17.7	Pass	200.0	100.4
	384.050	Н	18.1	20.2	38.3	46.0	7.7	Pass	150.0	252.7
	480.080	Н	11.9	22.6	34.5	46.0	11.5	Pass	200.0	63.8
	672.140	Н	10.6	25.9	36.5	46.0	9.5	Pass	150.0	182.2

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.

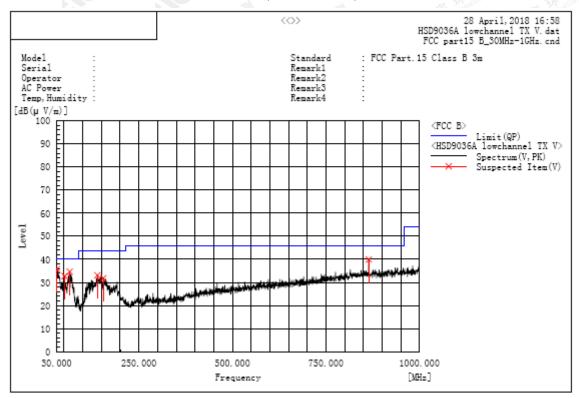
\GC 8



Page 17 of 60



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



A. Suspected List:

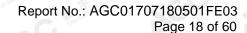
	Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
	30.485	V	20.3	15.5	35.8	40.0	4.2	Pass	150.0	287.1
Г	51.340	V	15.8	17.0	32.8	40.0	7.2	Pass	200.0	322.9
Г	64.920	v	19.1	15.6	34.7	40.0	5.3	Pass	200.0	142.1
Г	139.125	V	16.5	16.6	33.1	43.5	10.4	Pass	150.0	251.6
	154.645	V	15.3	16.6	31.9	43.5	11.6	Pass	150.0	287.1
	864.200	V	10.2	29.8	40.0	46.0	6.0	Pass	100.0	287.6

RESULT: PASS

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

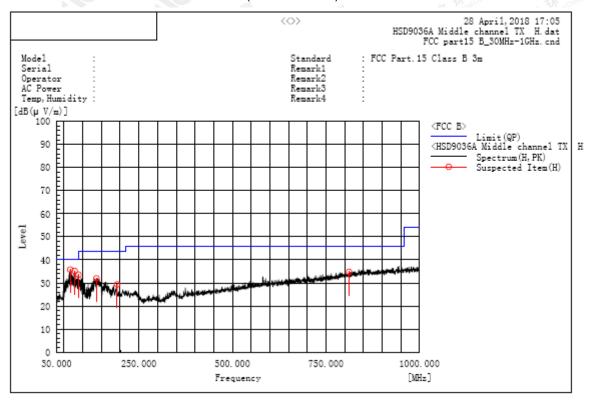
The "Factor" value can be calculated automatically by software of measurement system.

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.





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



A. Suspected List:

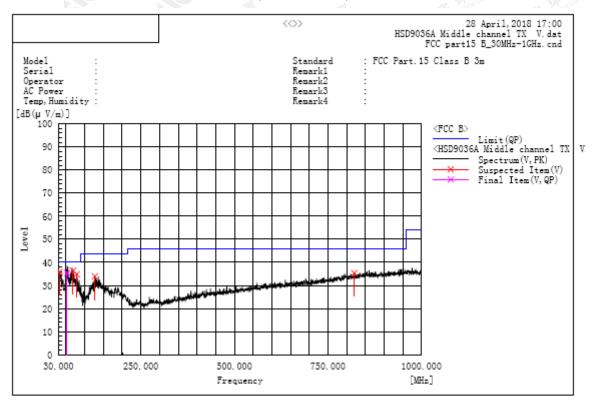
	Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Marqin dB	Pass/Fail	Height cm	Angle deg
	66.375	H	20.5	15.3	35.8	40.0	4.2	Pass	100.0	257.0
ſ	78.500	Н	22.9	12.3	35.2	40.0	4.8	Pass	150.0	276.4
	88.685	H	21.3	12.3	33.6	43.5	9.9	Pass	150.0	286.2
	136.700	Н	15.4	16.6	32.0	43.5	11.5	Pass	100.0	263.3
31	191.990	Н	15.7	13.7	29.4	43.5	14.1	Pass	150.0	301.3
	811.820	Н	5.8	29.0	34.8	46.0	11.2	Pass	200.0	181.0

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.



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	Marqin dB	Pass/Fail	Height cm	Angle deg
Г	32.425	V	20.1	15.8	35.9	40.0	4.1	Pass	100.0	63.0
	68.315	V	21.5	14.9	36.4	40.0	3.6	Pass	100.0	141.9
Г	78.500	v	22.6	12.3	34.9	40.0	5.1	Pass	100.0	269.2
í	126.515	V	18.1	15.9	34.0	43.5	9.5	Pass	100.0	44.8
31/	820.550	V	6.3	29.1	35.4	46.0	10.6	Pass	100.0	84.8

RESULT: PASS

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

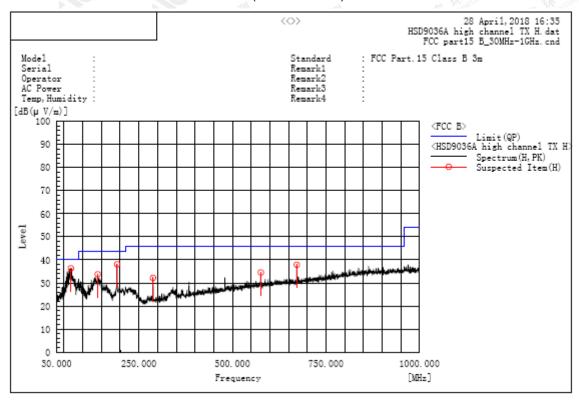
2. The "Factor" value can be calculated automatically by software of measurement system.

The results 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.





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



A. Suspected List:

Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Marqin dB	Pass/Fail	Height cm	Angle deg
68.315	H	21.4	14.9	36.3	40.0	3.7	Pass	150.0	285.4
140.095	Н	17.2	16.6	33.8	43.5	9.7	Pass	150.0	112.0
191.990	Н	24.4	13.7	38.1	43.5	5.4	Pass	200.0	261.0
288.020	Н	14.6	17.6	32.2	46.0	13.8	Pass	100.0	91.2
576.110	Н	10.0	24.5	34.5	46.0	11.5	Pass	100.0	40.0
672.140	Н	12.0	25.9	37.9	46.0	8.1	Pass	150.0	319.7

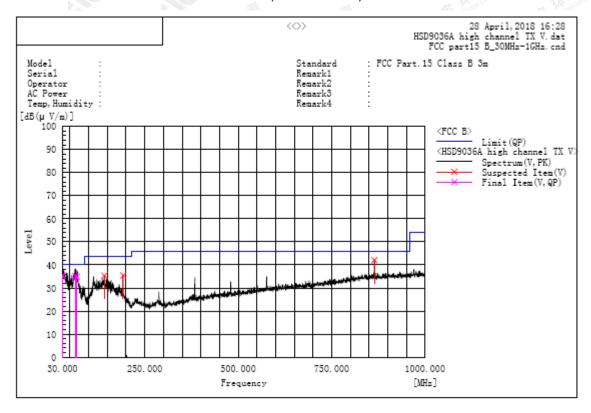
RESULT: PASS

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 a true www.ago.gent.com.



Page 21 of 60

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
142.035	V	18.8	16.6	35.4	43.5	8.1	Pass	100.0	161.9
191.990	v	21.8	13.7	35.5	43.5	8.0	Pass	100.0	266.8
864.200	V	12.3	29.8	42.1	46.0	3.9	Pass	100.0	222.8

RESULT: PASS

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

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

The results 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.



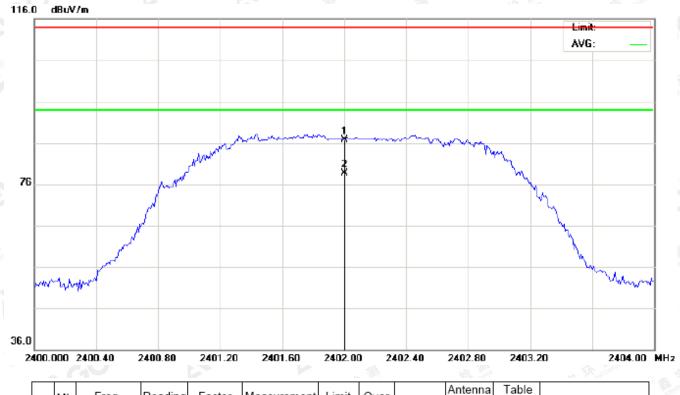
Page 22 of 60

RADIATED EMISSION ABOVE 1GHz

(Worst modulation: π /4-DQPSK)

For Fundamental

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



No	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu\//m	dBu∀/m	dB		cm	degree	
1		2402.000	76.37	10.32	86.69	114.00	-27.31	peak			
2	*	2402.000	68.41	10.32	78.73	94.00	-15.27	AVG	100	254	

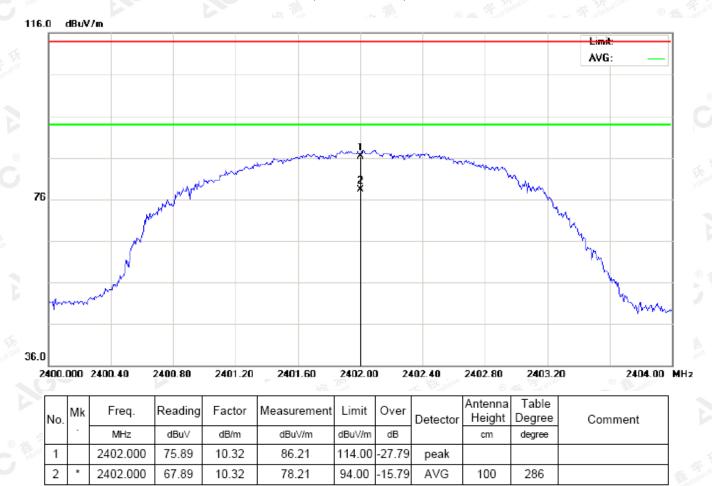
RESULT: PASS

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 23 of 60

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



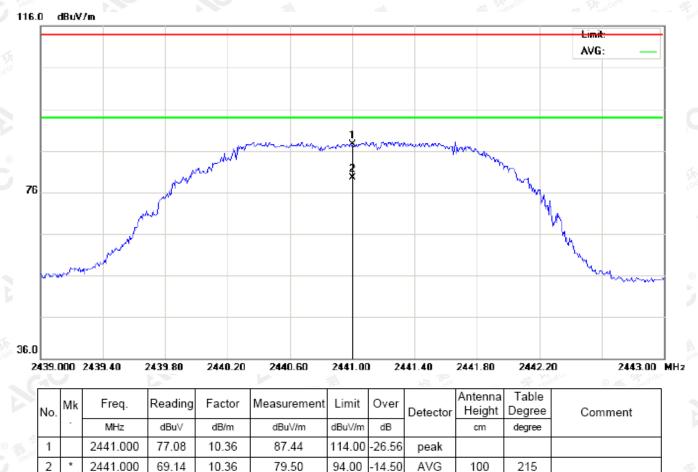
RESULT: PASS

The results shown this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by 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.geht.com.



Page 24 of 60

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



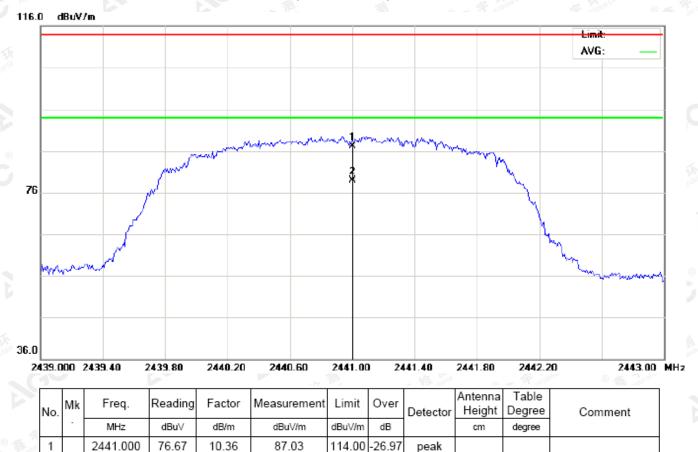
RESULT: PASS

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 25 of 60

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



94.00

-15.02

AVG

100

149

RESULT: PASS

2441.000

68.62

10.36

78.98

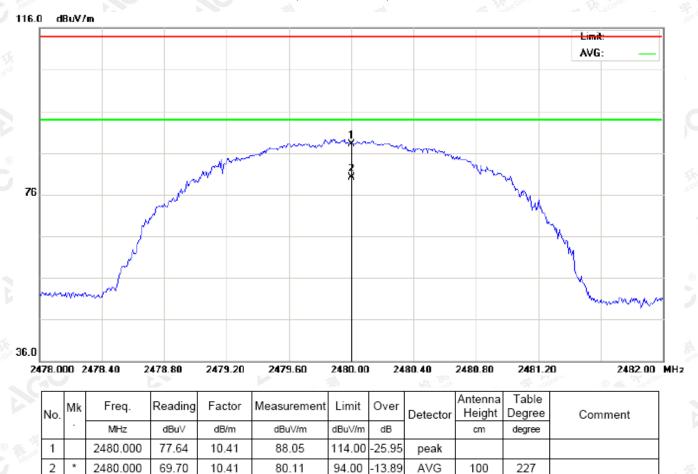
2

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 26 of 60

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



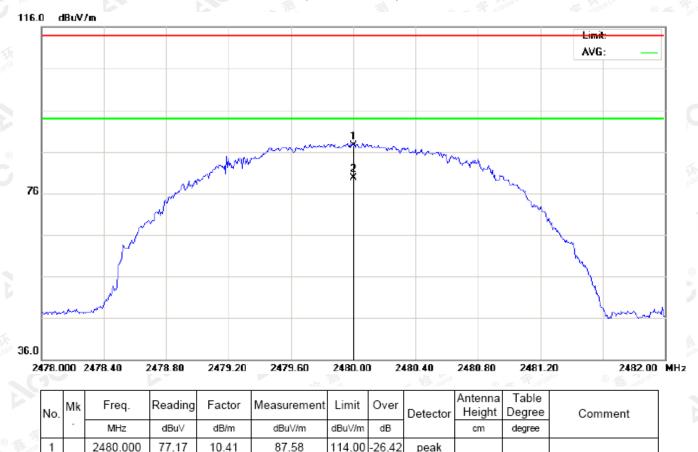
RESULT: PASS

The results shown this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by 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.geht.com.



Page 27 of 60

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



RESULT: PASS

2480.000

69.23

10.41

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

79.64

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

94.00

-14.36

AVG

100

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 28 of 60

Field strength of the fundamental signal

2Mbps Result:

Peak value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	76.37	10.32	86.69	114	-27.31	Horizontal
2402	75.89	10.32	86.21	114	-27.79	Vertical
2441	77.08	10.36	87.44	114	-26.56	Horizontal
2441	76.67	10.36	87.03	114	-26.97	Vertical
2480	77.64	10.41	88.05	114	-25.95	Horizontal
2480	77.17	10.41	87.58	114	-26.42	Vertical

Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	68.41	10.32	78.73	94	-15.27	Horizontal
2402	67.89	10.32	78.21	94	-15.79	Vertical
2441	69.14	10.36	79.50	94	-14.50	Horizontal
2441	68.62	10.36	78.98	94	-15.02	Vertical
2480	69.70	10.41	80.11	94	-13.89	Horizontal
2480	69.23	10.41	79.64	94	-14.36	Vertical

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 29 of 60

1Mbps Result:

Peak value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna	
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization	
2402	75.95	10.32	86.27	114	-27.73	Horizontal	
2402	75.39	10.32	85.71	114	-28.29	Vertical	
2441	76.63	10.36	86.99	114	-27.01	Horizontal	
2441	76.20	10.36	86.56	114	-27.44	Vertical	
2480	77.19	10.41	87.60	114	-26.40	Horizontal	
2480	76.73	10.41	87.14	114	-26.86	Vertical	

Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna	
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization	
2402	67.95	10.32	78.27	94	-15.73	Horizontal	
2402	67.42	10.32	77.74	94	-16.26	Vertical	
2441	68.64	10.36	79.00	94	-15.00	Horizontal	
2441	68.18	10.36	78.54	94	-15.46	Vertical	
2480	69.29	10.41	79.70	94	-14.30	Horizontal	
2480	68.76	10.41	79.17	94	-14.83	Vertical	

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.

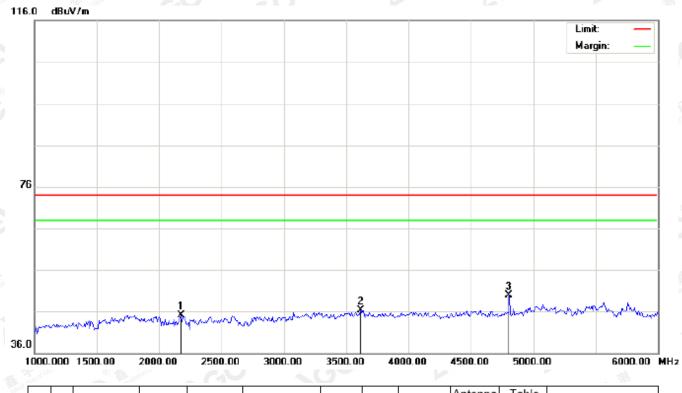


Page 30 of 60

(Worst modulation: π /4-DQPSK)

For Harmonics

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



N	lo.	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		2175.000	35.00	10.07	45.07	74.00	-28.93	peak			
	2		3616.667	33.55	12.83	46.38	74.00	-27.62	peak			
	3	*	4804.000	42.21	7.69	49.90	74.00	-24.10	peak			

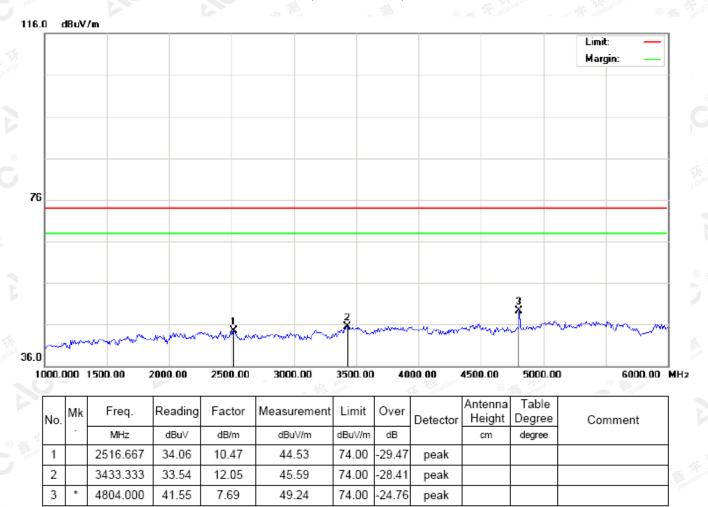
RESULT: PASS

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 31 of 60

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



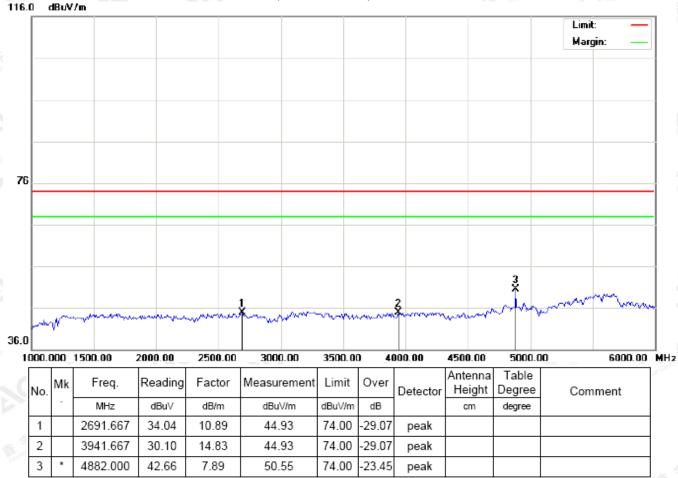
RESULT: PASS

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 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 32 of 60

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



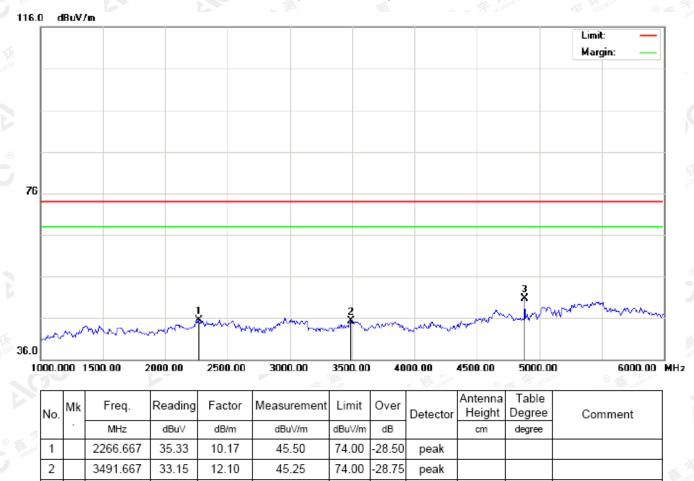
RESULT: PASS

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 33 of 60

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



74.00

23.22

peak

RESULT: PASS

42.89

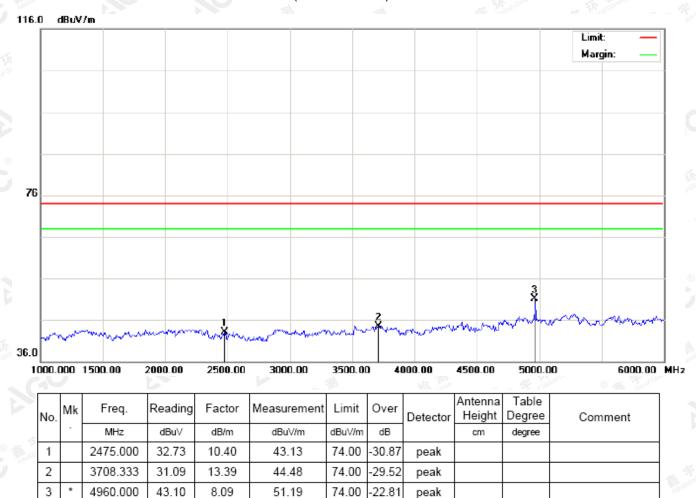
4882.000

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 34 of 60

RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH 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 60

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



1	lo.	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	
(3)	1		2316.667	34.42	10.23	44.65	74.00	-29.35	peak			
Γ	2		3525.000	33.52	12.26	45.78	74.00	-28.22	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 36 of 60

10. BAND EDGE EMISSION

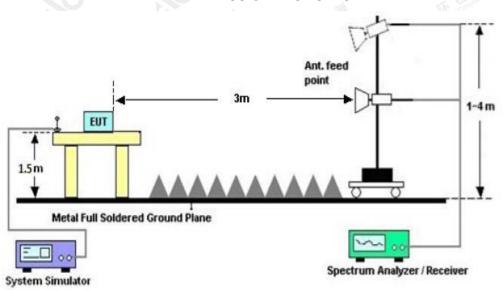
10.1. MEASUREMENT PROCEDURE

- 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	Kimplence	The Committee	@ ## glation of G	2405	100	
(S) ### (1)	2478	3lobal C	Allestation of Glob	·,O *	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.

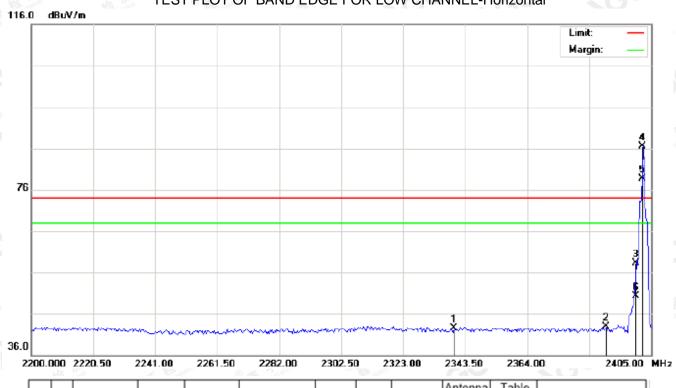


age 37 of 60

10.3 RADIATED TEST RESULT

(Worst modulation: π /4-DQPSK)

TEST PLOT OF BAND EDGE FOR LOW CHANNEL-Horizontal



111	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		2339.742	32.23	10.25	42.48	74.00	-31.52	peak			
	2		2390.000	32.50	10.31	42.81	74.00	-31.19	peak			
	3		2400.000	47.97	10.32	58.29	74.00	-15.71	peak			
	4	*	2402.000	76.13	10.32	86.45	74.00	12.45	peak			
	5	Х	2402.000	68.29	10.32	78.61	74.00	4.61	AVG	100	247	
	6		2400.000	39.89	10.32	50.21	54.00	-3.79	AVG	100	132	

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 100°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.agc.gett.com.



Page 38 of 60

TEST PLOT OF BAND EDGE FOR LOW CHANNEL -Vertical



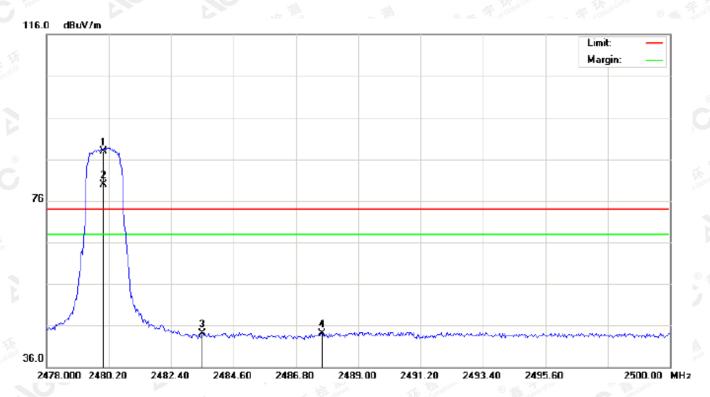
1	lo.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
3		-	MHz	dBu∀	dB/m	dBu\//m	dBu∀/m	dB		cm	degree	
0	1		2347.600	32.01	10.26	42.27	74.00	-31.73	peak			
	2		2390.000	32.21	10.31	42.52	74.00	-31.48	peak			
	3		2400.000	41.06	10.32	51.38	74.00	-22.62	peak			
Γ	4	*	2402.000	75.77	10.32	86.09	74.00	12.09	peak			
	5	Х	2402.000	67.83	10.32	78.15	74.00	4.15	AVG	100	275	

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 a trip://www.agc-gett.com.



Page 39 of 60

TEST PLOT OF BAND EDGE FOR HIGH CHANNEL -Horizontal



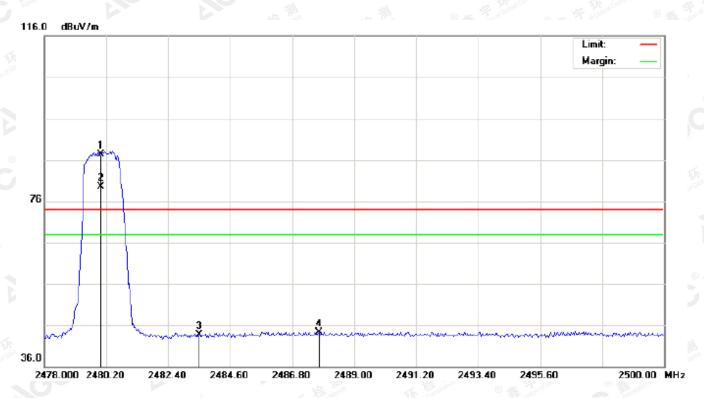
1	No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
3		-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
3	1	*	2480.000	77.53	10.41	87.94	74.00	13.94	peak			
Γ	2	Х	2480.000	69.57	10.41	79.98	74.00	5.98	AVG	100	261	
	3		2483.500	33.69	10.41	44.10	74.00	-29.90	peak			
	4		2487.716	33.68	10.42	44.10	74.00	-29.90	peak			

The results 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 40 of 60

TEST PLOT OF BAND EDGE FOR HIGH CHANNEL-Vertical



No.	Mk	k Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBu∀/m	dB		cm	degree	
1	*	2480.000	76.98	10.41	87.39	74.00	13.39	peak			
2	Х	2480.000	69.04	10.41	79.45	74.00	5.45	AVG	100	134	
3		2483.500	33.26	10.41	43.67	74.00	-30.33	peak			
4		2487.753	33.95	10.42	44.37	74.00	-29.63	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 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.



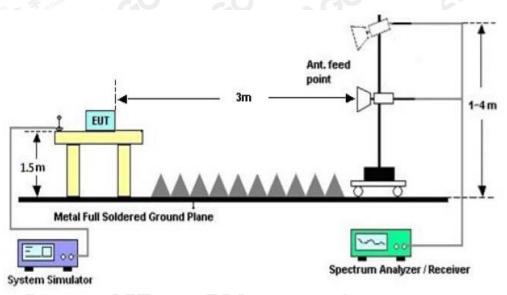
Page 41 of 60

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

FOR BR/EDR

BLUETO	OOTH 1MBPS LIN	MITS AND MEASU	REMENT RESULT						
	Measurement Result								
Applicable Limits		Test Data (MHz)							
		99%OBW (MHz)	-20dB BW(MHz)	Result					
Social Company	Low Channel	0.906	1.037	PASS					
N/A	Middle Channel	0.903	1.048	PASS					
100	High Channel	0.896	1.065	PASS					

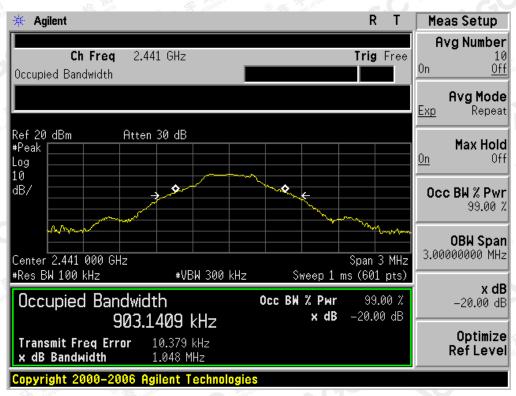
The results spowford this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

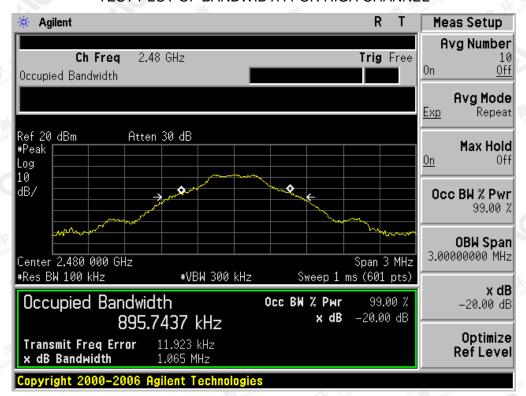


The results spowford this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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



Page 43 of 60

TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



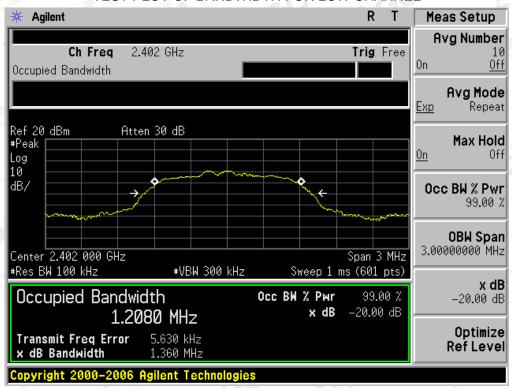
The results spoured this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XOC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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



Page 44 of 60

BLUETOOTH 2MBPS LIMITS AND MEASUREMENT RESULT											
		Measure	ement Result								
Applicable Limits		Dooult									
		99%OBW (MHz)	-20dB BW(MHz)	Result							
The fill of the fi	Low Channel	1.208	1.360	PASS							
N/A	Middle Channel	1.212	1.382	PASS							
	High Channel	1.214	1.360	PASS							

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL

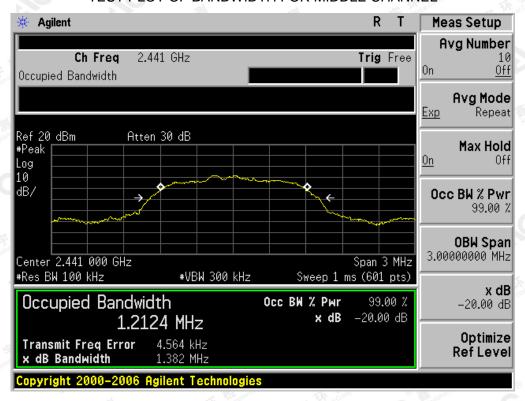


The results spoured this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XOC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

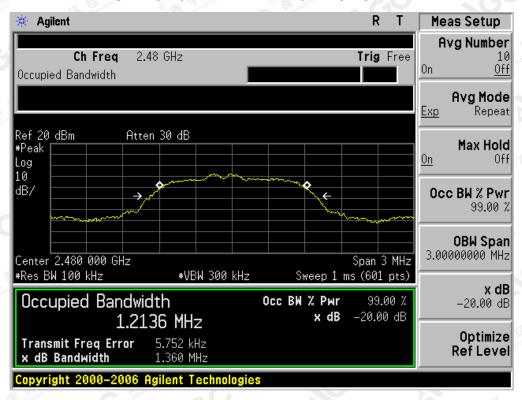




TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



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 46 of 60

12. FCC LINE CONDUCTED EMISSION TEST

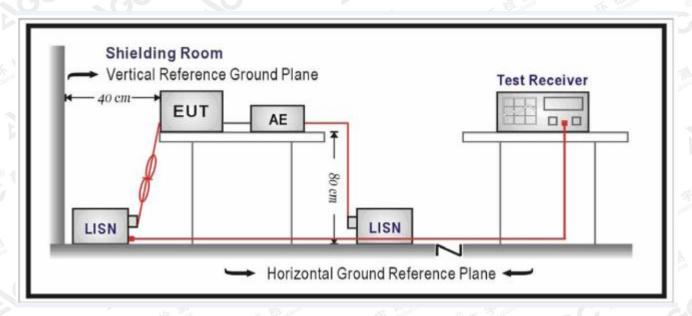
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST

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

Note:

- 1. The lower limit shall apply at the transition frequency.
- 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

12.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



The results 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 47 of 60

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 voltage by adapter 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

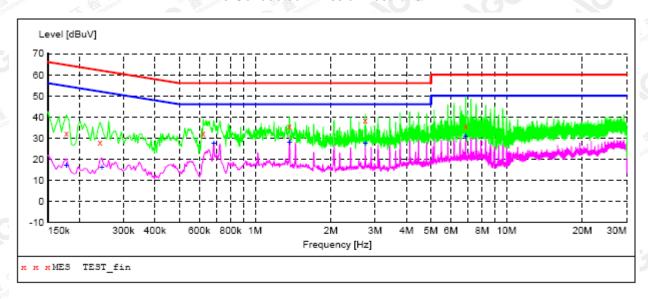
- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were 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 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.



12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

Line Conducted Emission Test Line 1-L



MEASUREMENT RESULT: "TEST fin"

2018/4/26 11:03

2018/4/26 11:	03						
Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.178000	32.20	10.0	65	32.4	QP	L1	FLO
0.242000	27.90	10.1	62	34.1	QP	L1	FLO
0.622000	32.00	10.1	56	24.0	QP	L1	FLO
1.370000	35.60	10.2	56	20.4	QP	L1	FLO
2.742000	38.20	9.9	56	17.8	QP	L1	FLO
6.874000	35.50	10.3	60	24.5	QP	L1	FLO

MEASUREMENT RESULT: "TEST fin2"

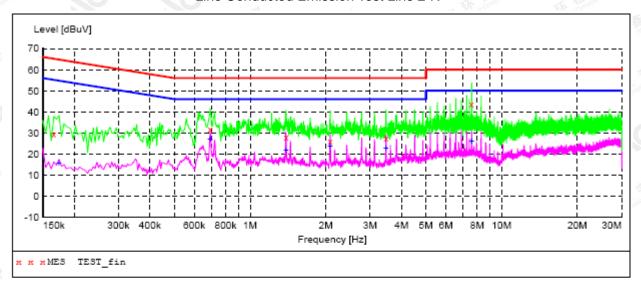
2018/4/26 11:03

2018/4/	26 11:	03						
Freq	uency MHz	Level dBuV		Limit dBuV	Margin dB	Detector	Line	PE
0.1	78000	17.20	10.0	55	37.4	AV	L1	FLO
0.2	46000	16.30	10.1	52	35.6	AV	L1	FLO
0.6	86000	27.40	10.1	46	18.6	AV	L1	FLO
1.3	70000	28.10	10.2	46	17.9	AV	L1	FLO
2.7	42000	27.70	9.9	46	18.3	AV	L1	FLO
6.8	74000	31.00	10.3	50	19.0	AV	L1	FLO

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.



Line Conducted Emission Test Line 2-N



MEASUREMENT RESULT: "TEST fin"

2018/4/26 11:07

2018/4/26 11:	07						
Frequency MHz	Level dBuV	Transd dB	Limit dBV	Margin dB	Detector	Line	PE
0.166000	29.30	10.0	65	35.9	QP	N	FLO
0.694000	31.80	10.1	56	24.2	QP	N	FLO
1.390000	28.00	10.2	56	28.0	QP	N	FLO
2.082000	26.00	10.2	56	30.0	QP	N	FLO
3.466000	27.50	10.0	56	28.5	QP	N	FLO
7.598000	43.40	10.2	60	16.6	QP	N	FLO

MEASUREMENT RESULT: "TEST fin2"

2018/4/26 11:07

Frequency MHz		Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.174000	15.50	10.0	55	39.3	AV	N	FLO
0.694000	27.10	10.1	46	18.9	AV	N	FLO
1.390000	22.00	10.2	46	24.0	AV	N	FLO
2.082000	23.90	10.2	46	22.1	AV	N	FLO
3.466000	22.80	10.0	46	23.2	AV	N	FLO
7.598000	25.90	10.2	50	24.1	AV	N	FLO

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 (GC, 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 titp://www.agc.gatt.com.



APPENDIX A: PHOTOGRAPHS OF TEST SETUP

FCC LINE CONDUCTED EMISSION TEST SETUP



FCC RADIATED EMISSION TEST SETUP

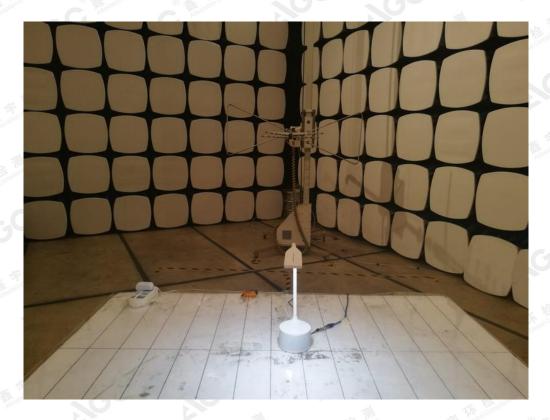


The results spound this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Attestation of Global Compliance









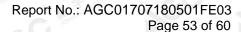
The results shown the streport refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report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



Page 52 of 60



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.





APPENDIX B: PHOTOGRAPHS OF EUT

TOTAL VIEW OF EUT



TOP 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.gett.com.

Attestation of Global Compliance

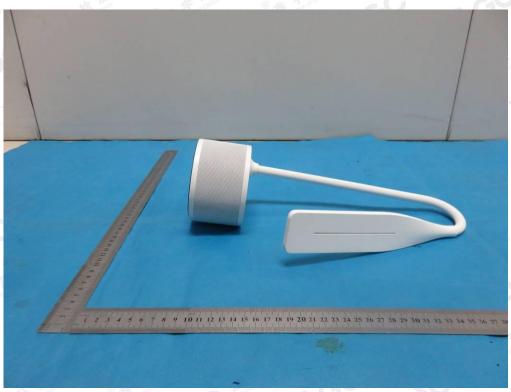




BOTTOM VIEW OF EUT



FRONT 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.gett.com.

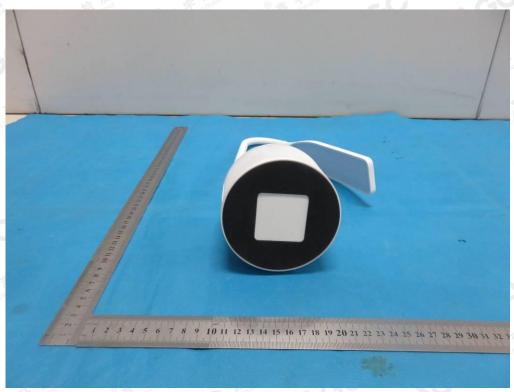




BACK VIEW OF EUT



LEFT VIEW OF EUT

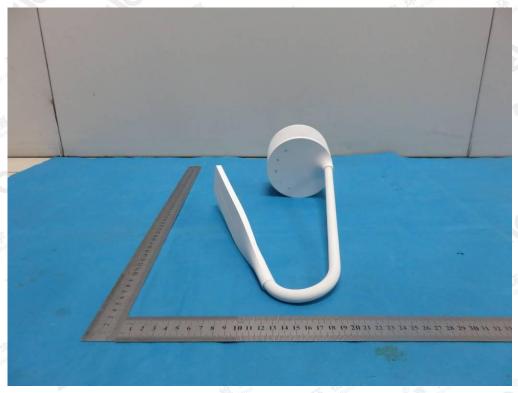


The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

Attestation of Global Compliance



RIGHT VIEW OF EUT



VIEW OF EUT (PORT)

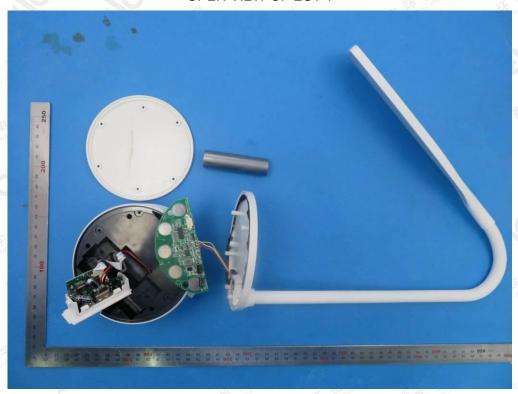


The results shown this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the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

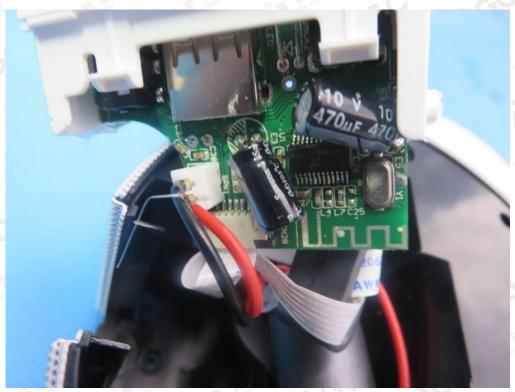
Attestation of Global Compliance



OPEN VIEW OF EUT-1



OPEN VIEW OF EUT-2

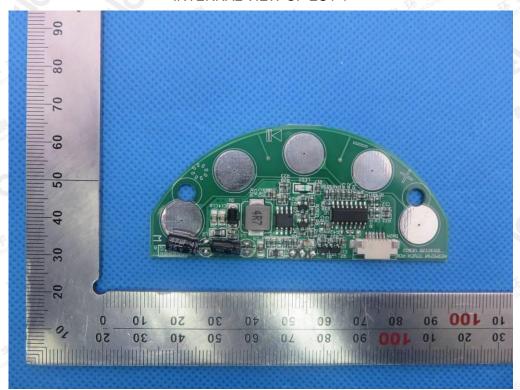


The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

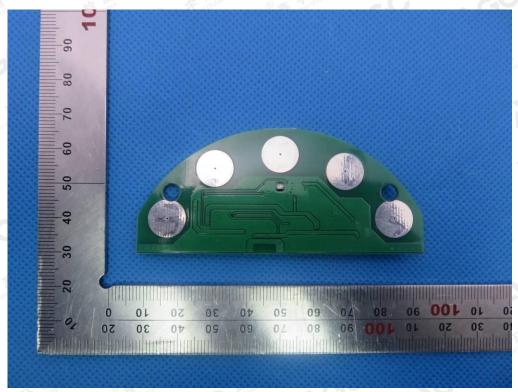
Attestation of Global Compliance



INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2

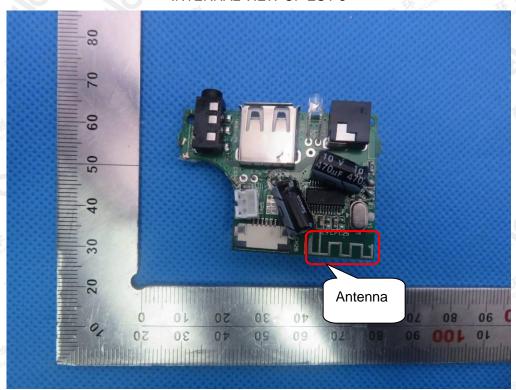


The results spoured this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XOC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of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

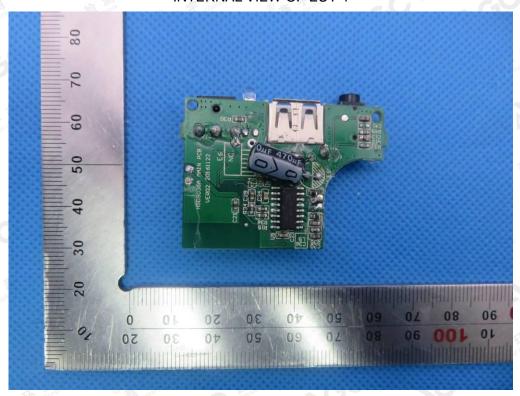
Attestation of Global Compliance



INTERNAL VIEW OF EUT-3



INTERNAL VIEW OF EUT-4



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 and the confirmed at a type and type and type and type and type are type and type and type and type and type are type and type and type are type and type and type and type are type and type are type and type and type are type and type are type and type and type are type are type and type are type are type and type are type and type are type and type are type are type at type and type are type are type and type are type are type and type are type

Attestation of Global Compliance



INTERNAL VIEW OF EUT-5



VIEW OF ADAPTER



----END OF REPORT----

The results spowd 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-gent.com.

Attestation of Global Compliance