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## 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	1GHz~26.5GHz		
Start ~Stop Frequency	1MHz/3MHz for Peak, 1MHz/3MHz for Average		

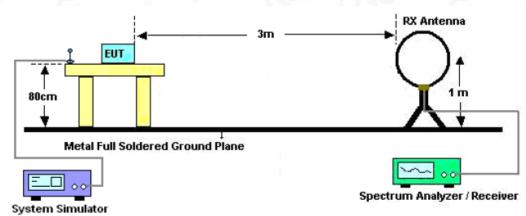
Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

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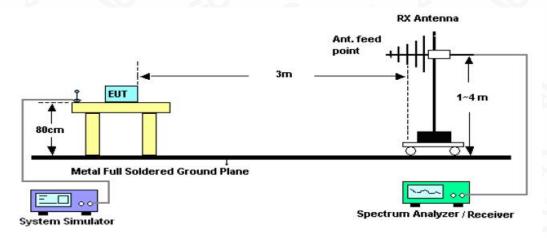


## 10.2. TEST SETUP

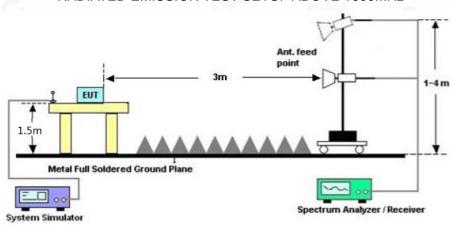
## Radiated Emission Test-Setup Frequency Below 30MHz



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



# RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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#### 10.3. LIMITS AND MEASUREMENT RESULT

15.209 Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested for restricted band radiated emission, the test records reported below are the worst result compared to other modes.

### 10.4. TEST RESULT

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

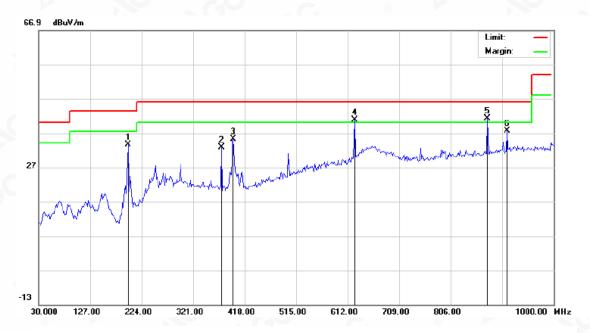
The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Past not/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter pathorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



## **RADIATED EMISSION BELOW 1GHz**

EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna	Horizontal



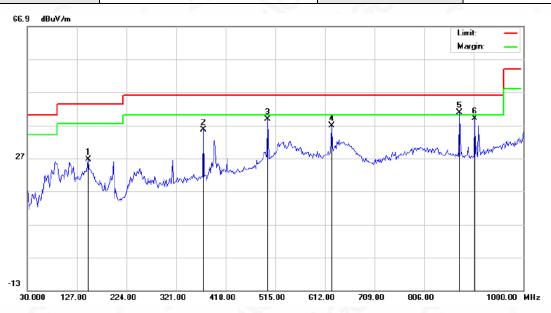
No.	MI	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		198.1333	20.72	12.88	33.60	43.50	-9.90	peak
2		374.3500	11.79	21.11	32.90	46.00	-13.10	peak
3		396.9833	14.25	20.99	35.24	46.00	-10.76	peak
4	İ	624.9333	13.62	27.25	40.87	46.00	-5.13	peak
5	*	875.5167	9.76	31.38	41.14	46.00	-4.86	peak
6		912.7000	5.80	31.81	37.61	46.00	-8.39	peak

**RESULT: PASS** 

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EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna	Vertical



No.	M	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		149.6333	7.36	19.21	26.57	43.50	-16.93	peak
2		374.3500	13.54	22.08	35.62	46.00	-10.38	peak
3		500.4500	13.76	25.00	38.76	46.00	-7.24	peak
4		624.9333	10.37	26.50	36.87	46.00	-9.13	peak
5	*	875.5167	12.41	28.36	40.77	46.00	-5.23	peak
6		904.6167	11.13	27.92	39.05	46.00	-6.95	peak

## **RESULT: PASS**

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

2. All test modes had been pre-tested. The mode 7 is the worst case and recorded in the report.

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c/Inspection
The test results
the test report.

## **RADIATED EMISSION ABOVE 1GHz**

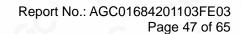
EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4804.022	50.13	0.08	50.21	74.00	-23.79	peak
4804.022	43.58	0.08	43.66	54.00	-10.34	AVG
7206.033	48.57	2.21	50.78	74.00	-23.22	peak
7206.033	42.71	2.21	44.92	54.00	-9.08	AVG
<u> </u>		•		-60		
Remark:			8			7.0
actor = Anter	nna Factor + Cable	e Loss – Pre-	amplifier.	@		

EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4804.022	51.11	0.08	51.19	74.00	-22.81	peak
4804.022	41.33	0.08	41.41	54.00	-12.59	AVG
7206.033	46.18	2.21	48.39	74.00	-25.61	peak
7206.033	39.71	2.21	41.92	54.00	-12.08	AVG
8			-0			
Remark:						(8)
actor = Anter	na Factor + Cab	le Loss – Pre-	amplifier.			

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EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 8	Antenna	Horizontal

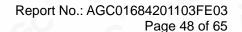
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4882.022	49.58	0.14	49.72	74.00	-24.28	peak
4882.022	40.07	0.14	40.21	54.00	-13.79	AVG
7323.033	47.93	2.36	50.29	74.00	-23.71	peak
7323.033	39.99	2.36	42.35	54.00	-11.65	AVG
	-0				7.0	
Remark:			0			
actor = Anter	nna Factor + Cab	le Loss – Pre-	amplifier.	8		

EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 8	Antenna	Vertical

Emission Level	Limits	Margin	Value Type
(dBµV/m)	(dBµV/m)	(dB)	Value Type
51.61	74.00	-22.39	peak
43.53	54.00	-10.47	AVG
51.64	74.00	-22.36	peak
42.51	54.00	-11.49	AVG
<u> </u>			
	- 6	8	
Ξ	amplifier.	amplifier.	amplifier.

Factor = Antenna Factor + Cable Loss – Pre-amplitier

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EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4960.022	52.87	0.22	53.09	74.00	-20.91	peak
4960.022	42.34	0.22	42.56	54.00	-11.44	AVG
7440.033	48.93	2.64	51.57	74.00	-22.43	peak
7440.033	39.14	2.64	41.78	54.00	-12.22	AVG
<del>6</del> 0	.0			-60	-6	
Remark:			© L			- 60
actor = Anter	nna Factor + Cab	e Loss – Pre-	amplifier.	8		

EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4960.022	53.26	0.22	53.48	74.00	-20.52	peak
4960.022	43.08	0.22	43.30	54.00	-10.70	AVG
7440.033	52.18	2.64	54.82	74.00	-19.18	peak
7440.033	39.17	2.64	41.81	54.00	-12.19	AVG
		GU	8			
emark:	(0)		(6)	- C	8	
actor = Anter	nna Factor + Cable	Loss - Pre-a	mplifier.			

## **RESULT: PASS**

#### Note:

The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.

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

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

All test modes had been tested. The 8DPSK modulation is the worst case and recorded in the report.

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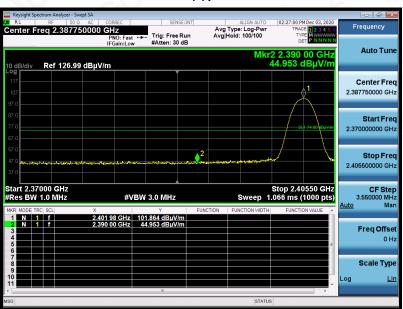
The test results



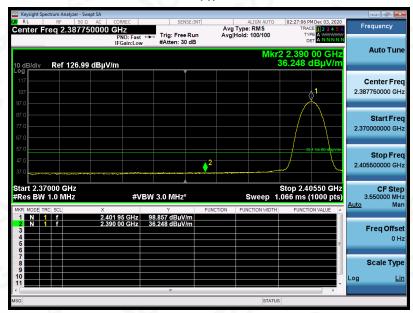
## TEST RESULT FOR RESTRICTED BANDS REQUIREMENTS

EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna	Horizontal

#### PK



#### ΑV



**RESULT: PASS** 

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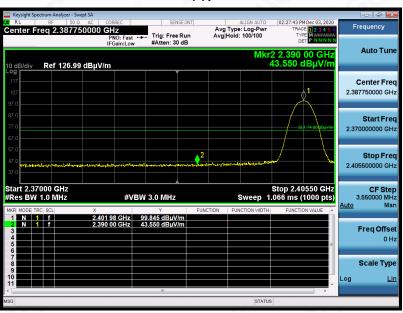
Attestation of Global Compliance(Shenzhen)Co., Ltd Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/

The test results



EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna	Vertical

#### PK



## ΑV



**RESULT: PASS** 

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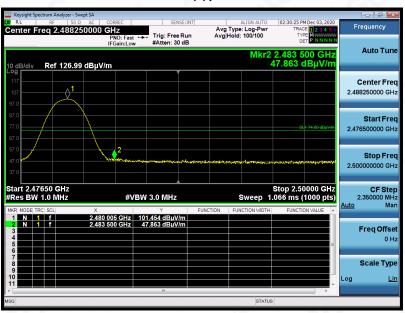
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The test results



EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna	Horizontal

#### PK



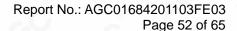
## ΑV



**RESULT: PASS** 

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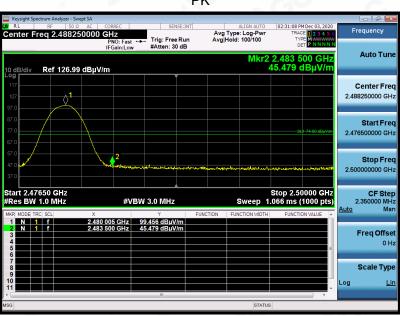
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EUT	Cash Register	Model Name	TPS680
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna	Vertical

#### PK



# ΑV



## **RESULT: PASS**

**Note**: The factor had been edited in the "Input Correction" of the Spectrum Analyzer. The 8DPSK modulation is the worst case and recorded in the report.

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# 11. NUMBER OF HOPPING FREQUENCY

#### 11.1. MEASUREMENT PROCEDURE

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

- 1. Span: The frequency band of operation. Depending on the number of channels the device supports, it may be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen.
- 2. RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.
- 3. VBW RBW. Sweep: Auto. Detector function: Peak. Trace: Max hold.
- 4. Allow the trace to stabilize.

## 11.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

Same as described in section 8.2

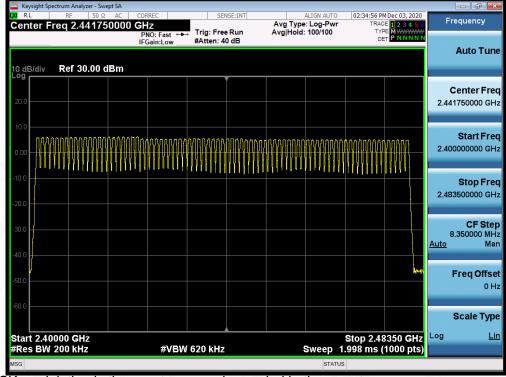
#### 11.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6

#### 11.4. LIMITS AND MEASUREMENT RESULT

TOTAL NO. OF	LIMIT (NO. OF CH)	MEASUREMENT (NO. OF CH)	RESULT
HOPPING CHANNEL	>=15	79	PASS

### TEST PLOT FOR NO. OF TOTAL CHANNELS



Note: The GFSK modulation is the worst case and recorded in the report.

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## 12. TIME OF OCCUPANCY (DWELL TIME)

### 12.1. MEASUREMENT PROCEDURE

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

- 1. Span: Zero span, centered on a hopping channel.
- 2. RBW shall be ≤ channel spacing and where possible RBW should be set >> 1 / T, where T is the expected dwell time per channel.
- 3. Sweep: As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel; a second plot might be needed with a longer sweep time to show two successive hops on a channel.
- 4. Detector function: Peak. Trace: Max hold.
- 5. Use the marker-delta function to determine the transmit time per hop.
- 6. Repeat the measurement using a longer sweep time to determine the number of hops over the period specified in the requirements. The sweep time shall be equal to, or less than, the period specified in the requirements. Determine the number of hops over the sweep time and calculate the total number of hops in the period specified in the requirements, using the following equation:

(Number of hops in the period specified in the requirements) = (number of hops on spectrum analyzer)  $\times$  (period specified in the requirements / analyzer sweep time)

7. The average time of occupancy is calculated from the transmit time per hop multiplied by the number of hops in the period specified in the requirements.

## 12.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

Same as described in section 8.2

## 12.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6

#### 12.4. LIMITS AND MEASUREMENT RESULT

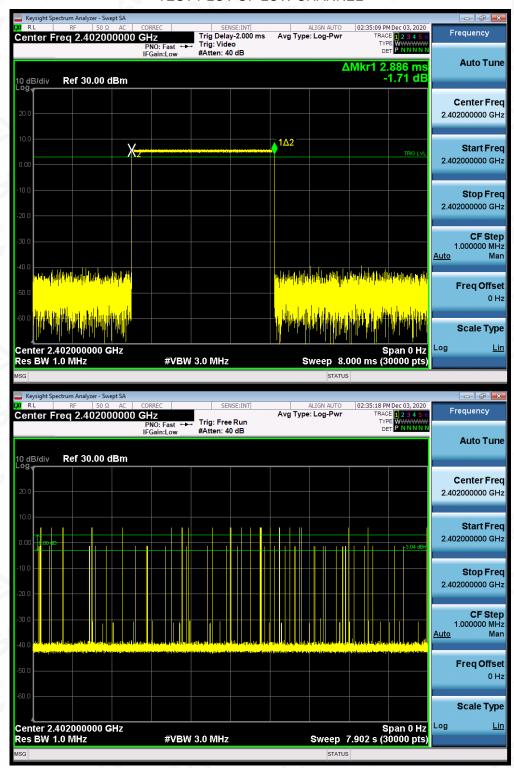
Channel	Time of Pulse for DH5 (ms)	Number of hops in the period specified in the requirements	Sweep Time (ms)	Limit (ms)	
Low	2.886	24*4	277.056	400	
Middle	2.885	28*4	323.120	400	
High	2.885	30*4	346.200	400	

Note: The GFSK modulation is the worst case and recorded in the report.

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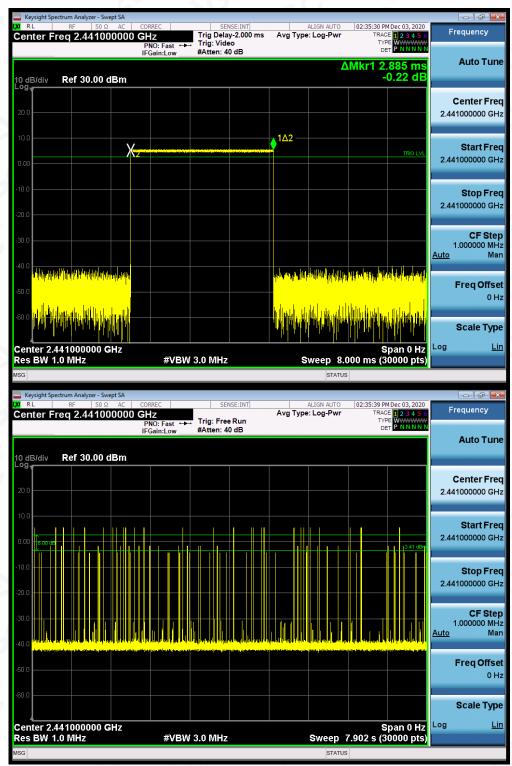
#### TEST PLOT OF LOW CHANNEL



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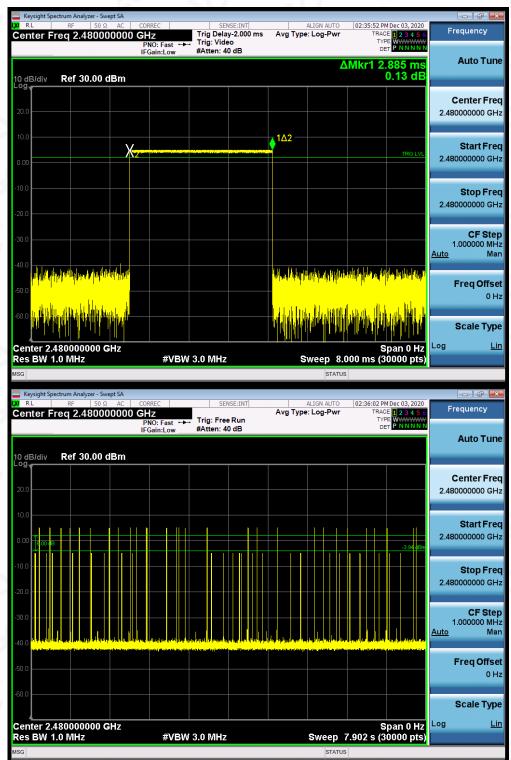
### **TEST PLOT OF MIDDLE CHANNEL**



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### TEST PLOT OF HIGH CHANNEL



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## 13. FREQUENCY SEPARATION

#### 13.1. MEASUREMENT PROCEDURE

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

- 1. Span: Wide enough to capture the peaks of two adjacent channels.
- 2. RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.
- 3. Video (or average) bandwidth (VBW) ≥ RBW.
- 4. Sweep: Auto. e) Detector function: Peak. f) Trace: Max hold. g) Allow the trace to stabilize.

Use the marker-delta function to determine the separation between the peaks of the adjacent channels.

### 13.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

Same as described in section 6.2

#### 13.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6.3

## 13.4. LIMITS AND MEASUREMENT RESULT

TEST MODE	CHANNEL SEPARATION	LIMIT	RESULT	
	MHz		Dana	
HOPPING MODE	0.925	2/3 20 dB BW	Pass	

### TEST PLOT FOR FREQUENCY SEPARATION



Note: The GFSK modulation is the worst case and recorded in the report.

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## 14. FCC LINE CONDUCTED EMISSION TEST

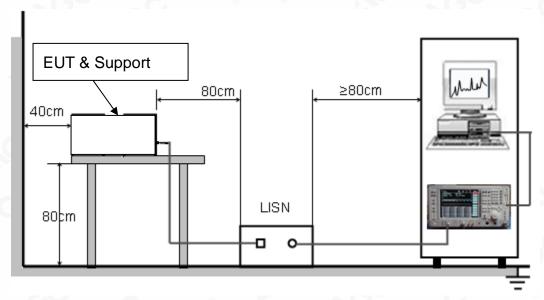
## 14.1. LIMITS OF LINE CONDUCTED EMISSION TEST

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

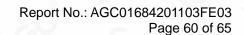
## Note:

- 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.

## 14.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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#### 14.3. 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 equipment received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC 12V power from control board which received AC120V/60Hz power from 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.

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

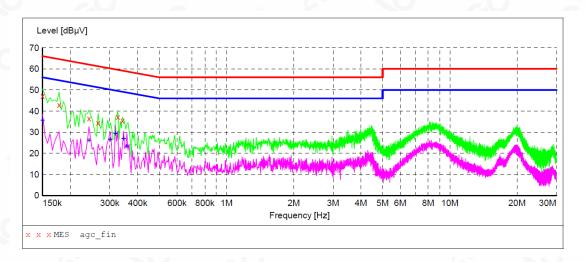
- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were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

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## 14.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

## Line Conducted Emission Test Line 1-L



#### 2020/12/3 21:14

_ `	220, 22, 3						
	Frequency				_	Detector	Line
	MHz	dBµV	dB	dBµV	dB		
	0.150000	47.10	11.3	66	18.9	QP	L1
	0.178000	42.90	11.3	65	21.7	QP	L1
	0.242000	36.50	11.3	62	25.5	QP	L1
	0.266000	34.50	11.3	61	26.7	QP	L1
	0.326000	37.40	11.3	60	22.2	QP	L1
	0.342000	35.60	11.3	59	23.6	QP	L1

# MEASUREMENT RESULT: "agc fin2"

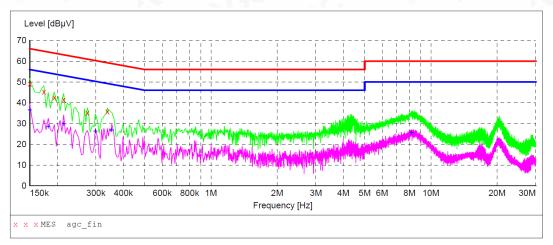
### 2020/12/3 21:14

2020/12/3 21:	⊥4					
Frequency	Level	Transd	Limit	Margin	Detector	Line
MHz	dΒμV	dB	dΒμV	dB		
0.150000	35.70	11.3	56	20.3	AV	L1
0.242000	26.20	11.3	52	25.8	AV	L1
0.302000	26.60	11.3	50	23.6	AV	L1
0.318000	29.50	11.3	50	20.3	AV	L1
0.346000	27.00	11.3	49	22.1	AV	L1
0.358000	23.40	11.3	49	25.4	AV	L1

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## Line Conducted Emission Test Line 2-N



## MEASUREMENT RESULT: "agc fin"

2020/12/3	20:50					
Frequen	cy Le	vel Transo	d Limit	Margin	Detector	Line
M	Hz d	BµV dI	3 dBµV	dB		
		·				
0.1500	00 49	.10 11.3	3 66	16.9	QP	N
0.1740	00 45	.30 11.3	3 65	19.5	QP	N
0.1940	00 42	.50 11.3	64	21.4	QP	N
0.2140	00 41	.50 11.3	3 63	21.5	QP	N
0.2740	00 35	.10 11.3	3 61	25.9	QP	N

59

23.5

QΡ

11.3

## MEASUREMENT RESULT: "agc fin2"

35.80

0.338000

20	20/12/3 20	:50					
	Frequency	Level	Transd	Limit	Margin	Detector	Line
	MHz	dBµV	dB	dΒμV	dB		
	0.150000	36.60	11.3	56	19.4	AV	N
	0.182000	28.70	11.3	54	25.7	AV	N
	0.214000	29.90	11.3	53	23.1	AV	N
	0.298000	26.40	11.3	50	23.9	AV	N
	0.354000	26.90	11.3	49	22.0	AV	N
	8.170000	25.60	11.5	50	24.4	AV	N

## **RESULT: PASS**

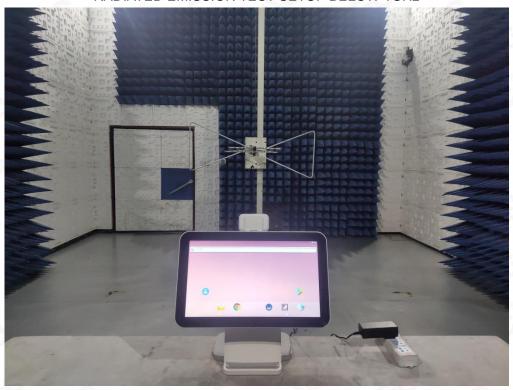
Note: All the test modes had been tested, the mode 1 was the worst case. Only the data of the worst case would be record in this test report.

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## **APPENDIX A: PHOTOGRAPHS OF TEST SETUP**

RADIATED EMISSION TEST SETUP BELOW 1GHz



RADIATED EMISSION TEST SETUP ABOVE 1GHz



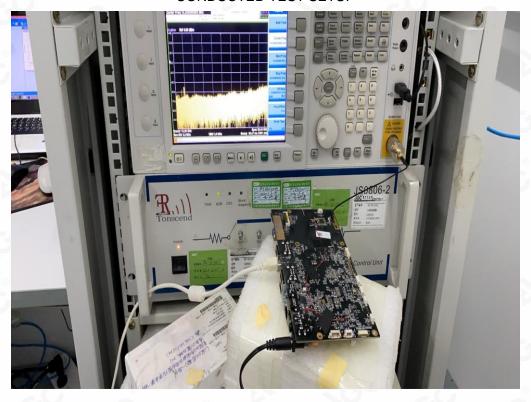
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## CONDUCTED EMISSION TEST SETUP



CONDUCTED TEST SETUP



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## **APPENDIX B: PHOTOGRAPHS OF EUT**

Refer to the Report No.: AGC01684201103AP01

----END OF REPORT----

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#### Conditions of Issuance of Test Reports

- 1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
- 2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
- 3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
- 4. The non-CMA report issued by AGC is only permitted to be used by the client as internal reference use and shall not be used for public demonstration purpose.
- 5. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
- 6. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
- 7. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
- 8. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
- 9. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
- 10. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the standard restriction Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written explorization of AGE, the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.