FCC C2PC Test Report

FCC ID	:	**QTG-ZKMS**
Equipment	:	**BT3GMD-B47P**
Model No.	:	**ID6ZFN-BK0**
Multiple Listing	:	**Please refer to section 1.1.1**
Brand Name	:	**ZAGG**
Applicant	:	**ZAGG Inc.**
Address	:	**3855 South 500 West Salt Lake City, UT 84115 USA**
Standard	:	**47 CFR FCC Part 15.247**
Received Date	:	**May 08, 2015**
Tested Date	:	**May 08 ~ May 12, 2015**

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Approved & Reviewed by:

Gary Chang / Manager

Testing Laboratory
2732

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Release Record

Report No.	Version	Description	Issued Date
FR550803	Rev. 01	Initial issue	Jun. 01, 2015

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.160MHz 41.04 (Margin -14.41dB) - AV	Pass
15.247(d) 15.209	Radiated Emissions	[dBuV/m at 3m]: 752.65MHz 41.67 (Margin -4.33dB) - PK	Pass

1 General Description

1.1 Information

This report is issued as a FCC Class II Permissive Change for adding new specific platform (refer to section 1.1.3). In this report, conducted emission and radiated emission had been tested and only its data was presented in the following sections.

1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name		Product Name
ZAGG	ID6ZFN-BK0	ID6ZF2-BB0	BT3GMD-B47P
	ID6ZFN-PU0	ID6ZF2-WW0	
	ID6ZFN-RD0	ID6ZFN-BBU	
	ID6ZFN-BL0	ID6ZFN-BBN	
	ID6ZFN-GY0	ID6ZFN-BBG	
	ID6ZFN-WW0	ID6ZFN-BBF	
	ID6ZFK-BB0	ID6ZFN-BBS	
	ID6ZFK-PU0	ID6ZFN-BBZ	
	ID6ZFK-RD0	ID6ZFK-BBU	
	ID6ZFK-BL0	ID6ZFK-BBG	
	ID6ZFK-GY0	ID6ZFK-BBN	
	ID6ZFK-WW0	ID6ZFK-BBS	
	IM2ZF2-BB0	ID6ZFK-BBF	
	IM2ZF2-WW0	ID6ZFK-BBZ	

✦ All models are electrically identical, different model names are for marketing purpose.
✦ The above models, model **ID6ZFN-BK0** was selected as a representative one for the final test and only its data was recorded in this report.

1.1.2 Specification of the Equipment under Test (EUT)

RF General Information				
Frequency Range (MHz)	**Bluetooth Mode**	**Ch. Frequency (MHz)**	**Channel Number**	**Data Rate**
2400-2483.5	BR V3.0	2402-2480	0-78 [79]	1 Mbps

Note 1: RF output power specifies that Maximum Peak Conducted Output Power.
Note 2: Bluetooth BR uses a GFSK only.
Note 3: The module is certified as limited module that is limited to specific host.

1.1.3 Specific Platform Information

Brand Name	Model Name	Product Name
ZAGG	Slimfolio-V-G83SLK-BB0	Slim Folio LG X 8.3

Accessories for Platform		
No.	**Equipment**	**Description**
1	USB cable	0.5m shielded w/o core.

1.1.4 Antenna Details

Ant. No.	Type	Gain (dBi)	Connector	Remark
1	PCB	2	N/A	---

1.1.5 Power Supply Type

Power Supply Type (EUT)	3.7Vdc from host
Power Supply Type (Platform)	3.7Vdc from battery 5Vdc from host

1.1.6 Channel List

Frequency band (MHz)				2400~2483.5			
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461	---	---

1.1.7 Test Tool and Duty Cycle

Test Tool	Blue Tool, Version: 1.8.8.6

1.1.8 Power Setting

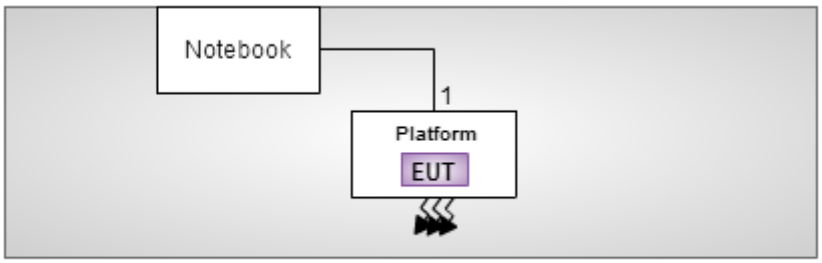
Modulation Mode	Test Frequency (MHz)		
	2402	2441	2480
GFSK/1Mbps	1	1	1

1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Signal cable / Length (m)**
1	Notebook	DELL	Latitude E6440	DoC	USB, 0.5m shielded w/o core..

1.3 Test Setup Chart

Test Setup Diagram



1. USB, 0.5m shielded w/o core.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Test Date	May 12, 2015				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
EMC Receiver	R&S	ESCS 30	100169	Oct. 17, 2014	Oct. 16, 2015
LISN	SCHWARZBECK	Schwarzbeck 8127	8127-667	Nov. 17, 2014	Nov. 16, 2015
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Nov. 26, 2014	Nov. 25, 2015
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Dec. 31, 2014	Dec. 30, 2015
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber 2 / (03CH02-WS)				
Test Date	May 08, 2015				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101499	Dec. 31, 2014	Dec. 30, 2015
Receiver	R&S	ESR3	101657	Jan. 15, 2015	Jan. 14, 2016
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-524	Oct. 16, 2014	Oct. 15, 2015
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1095	Oct. 14, 2014	Oct. 13, 2015
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 10, 2014	Nov. 09, 2015
Loop Antenna	R&S	HFH2-Z2	11900	Nov. 10, 2014	Nov. 09, 2015
Preamplifier	Burgeon	BPA-530	100218	Nov. 10, 2014	Nov. 09, 2015
Preamplifier	Agilent	83017A	MY39501309	Sep. 29, 2014	Sep. 28, 2015
Preamplifier	EMC	EMC184045B	980192	Aug. 26, 2014	Aug. 25, 2015
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16140/4	Dec. 16, 2014	Dec. 15, 2015
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16018/4	Dec. 16, 2014	Dec. 15, 2015
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16015/4	Dec. 16, 2014	Dec. 15, 2015
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-003	Dec. 16, 2014	Dec. 15, 2015
LF cable 10M	Woken	CFD400NL-LW	CFD400NL-004	Dec. 16, 2014	Dec. 15, 2015
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.247
FCC Public notice DA 00-705
ANSI C63.10-2009
Note: FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014

1.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Measurement Uncertainty	
Parameters	**Uncertainty**
AC conducted emission	±2.92 dB
Radiated emission ≤ 1GHz	±3.62 dB
Radiated emission > 1GHz	±5.6 dB

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	22°C / 63%	Kevin Ma
Radiated Emissions	03CH02-WS	25°C / 65%	Aska Huang

- FCC site registration No.: 657002
- IC site registration No.: 10807A-2

2.2 The Worst Test Modes and Channel Details

Test item	Mode	Test Frequency (MHz)	Data Rate (Mbps)	Test Configuration
Conducted Emissions	GFSK	2402	1Mbps	---
Radiated Emissions ≤ 1GHz	GFSK	2402	1Mbps	---
Radiated Emissions > 1GHz	GFSK	2402, 2441, 2480	1Mbps	---

3 Transmitter Test Results

3.1 Conducted Emissions

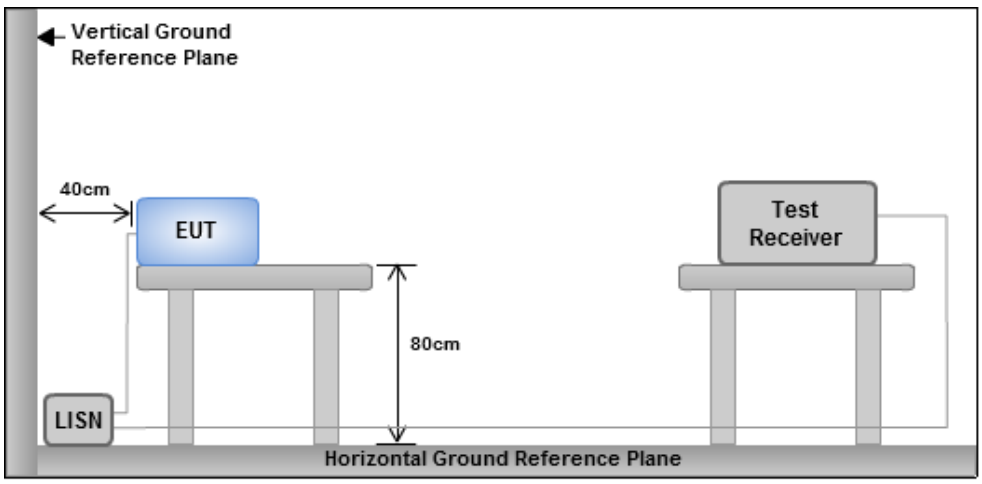
3.1.1 Limit of Conducted Emissions

Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

3.1.3 Test Setup

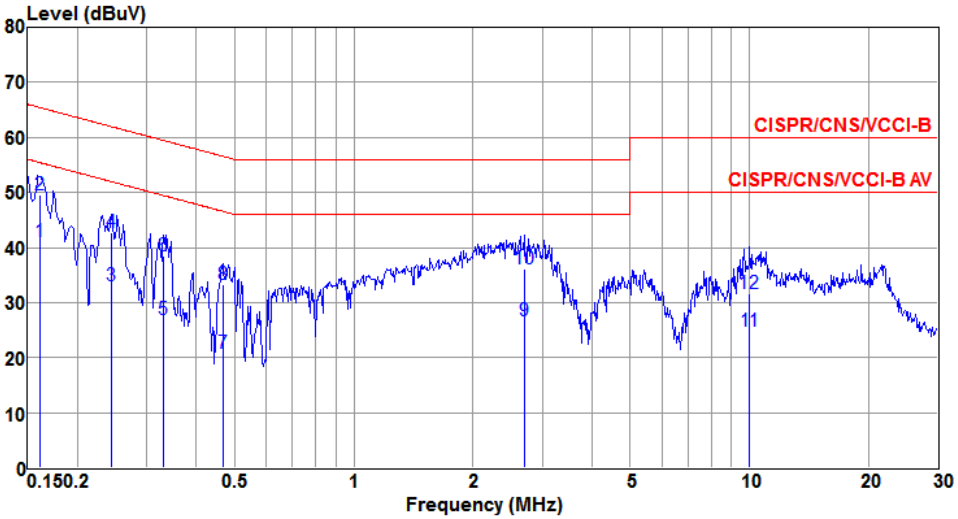


Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

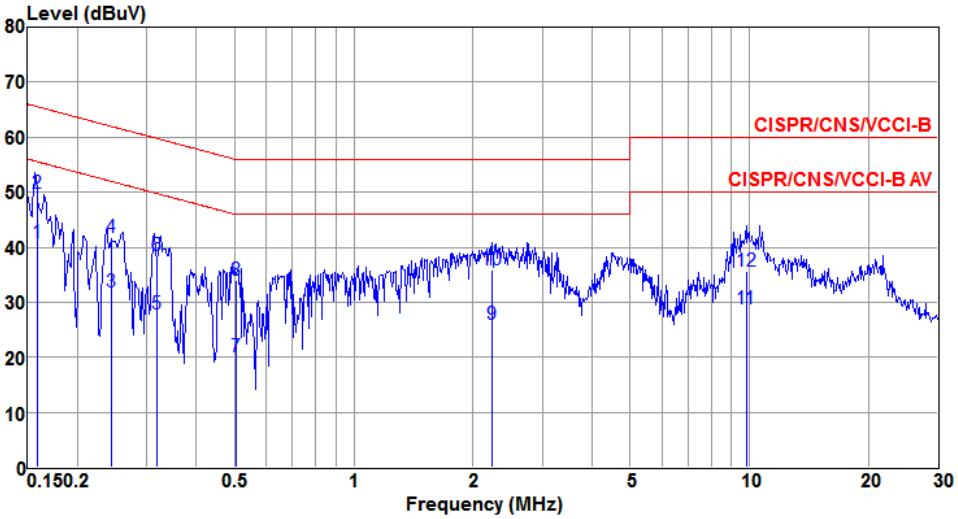
Modulation Mode	GFSK	Test Freq. (MHz)	2402
Power Phase	Line		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.160	41.04	55.45	-14.41	40.89	0.07	0.08	Average
2	0.160	49.65	65.45	-15.80	49.50	0.07	0.08	QP
3	0.244	33.10	51.95	-18.85	32.93	0.07	0.10	Average
4	0.244	42.64	61.95	-19.31	42.47	0.07	0.10	QP
5	0.330	26.98	49.44	-22.46	26.81	0.07	0.10	Average
6	0.330	38.53	59.44	-20.91	38.36	0.07	0.10	QP
7	0.469	20.69	46.53	-25.84	20.50	0.07	0.12	Average
8	0.469	33.17	56.53	-23.36	32.98	0.07	0.12	QP
9	2.692	26.72	46.00	-19.28	26.34	0.11	0.27	Average
10	2.692	36.20	56.00	-19.80	35.82	0.11	0.27	QP
11	10.019	24.71	50.00	-25.29	24.20	0.21	0.30	Average
12	10.019	31.70	60.00	-28.30	31.19	0.21	0.30	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation Mode	GFSK	Test Freq. (MHz)	2402
Power Phase	Neutral		



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1*	0.159	40.94	55.51	-14.57	40.79	0.07	0.08	Average
2	0.159	49.78	65.51	-15.73	49.63	0.07	0.08	QP
3	0.244	31.98	51.95	-19.97	31.81	0.07	0.10	Average
4	0.244	41.80	61.95	-20.15	41.63	0.07	0.10	QP
5	0.317	27.81	49.78	-21.97	27.64	0.07	0.10	Average
6	0.317	38.56	59.78	-21.22	38.39	0.07	0.10	QP
7	0.503	20.03	46.00	-25.97	19.84	0.07	0.12	Average
8	0.503	33.87	56.00	-22.13	33.68	0.07	0.12	QP
9	2.237	25.96	46.00	-20.04	25.61	0.10	0.25	Average
10	2.237	35.97	56.00	-20.03	35.62	0.10	0.25	QP
11	9.809	28.89	50.00	-21.11	28.36	0.23	0.30	Average
12	9.809	35.59	60.00	-24.41	35.06	0.23	0.30	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

3.2 Unwanted Emissions into Restricted Frequency Bands

3.2.1 Limit of Unwanted Emissions into Restricted Frequency Bands

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.2.2 Test Procedures

1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

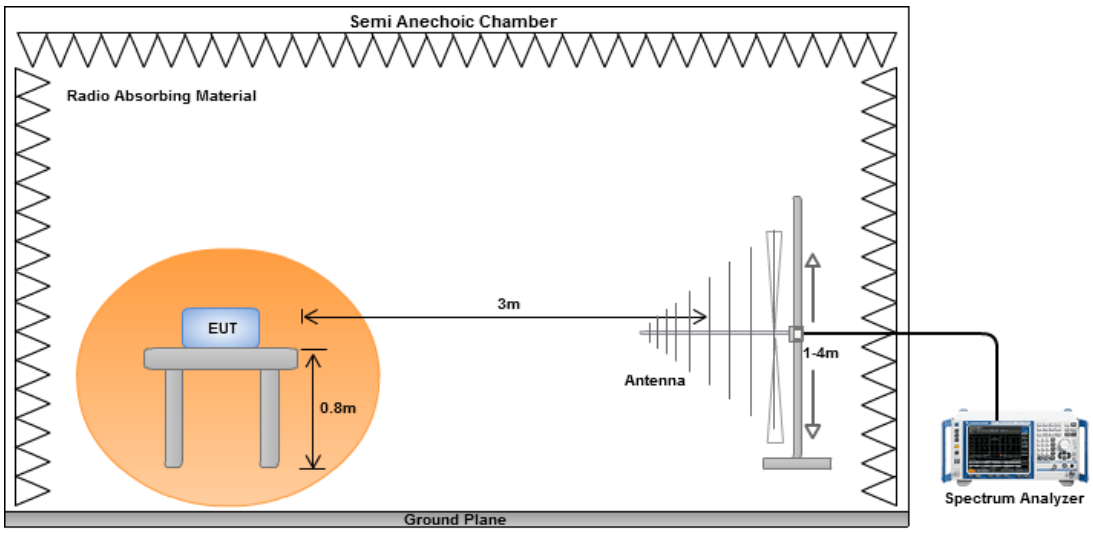
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. Radiated emission above 1GHz / Peak value
   RBW=1MHz, VBW=3MHz and Peak detector
3. Radiated emission above 1GHz / Average value for harmonics
   The average value is: Average = Peak value + 20log(Duty cycle) Where the duty factor is calculated from following formula for DH5 packet type which has worst duty factor:

$$20\log(\text{Duty cycle}) = 20\log\frac{1\text{s} / 1600 * 5}{100\text{ ms}} = -30.1\text{dB}$$

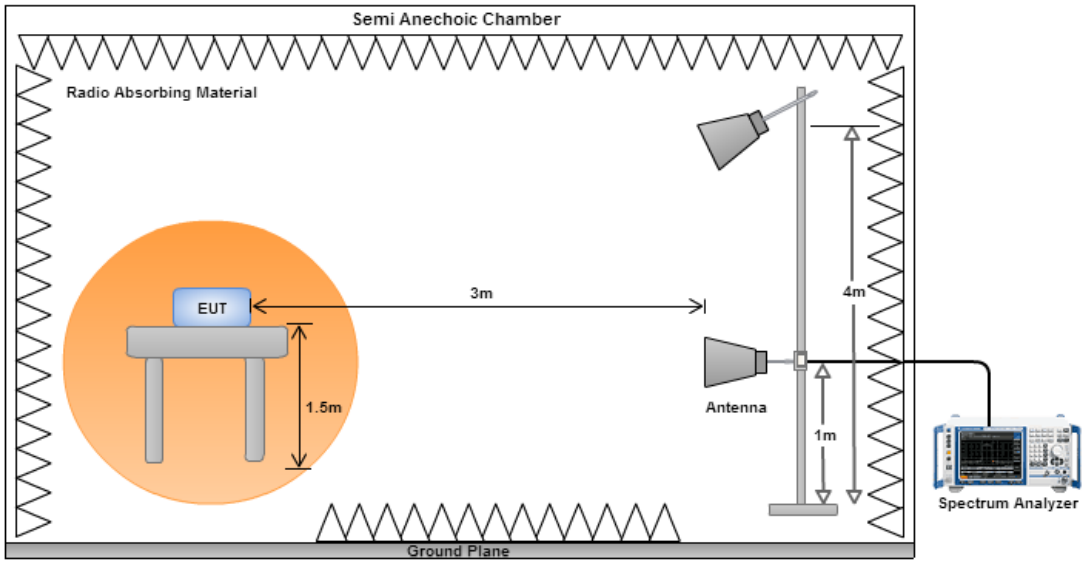
4. Radiated emission above 1GHz / Average value for other emissions
   RBW=1MHz, VBW=1/T and Peak detector

3.2.3 Test Setup

Radiated Emissions below 1 GHz

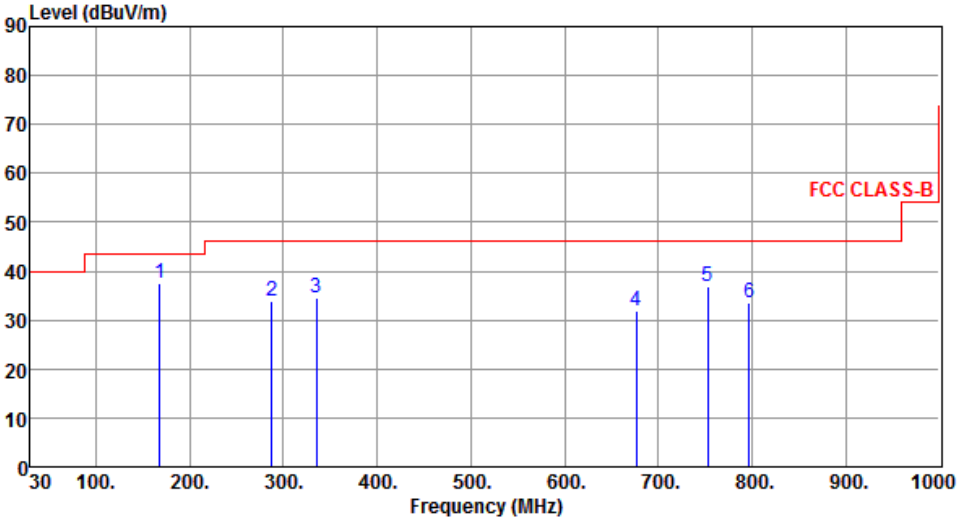


Radiated Emissions above 1 GHz



3.2.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

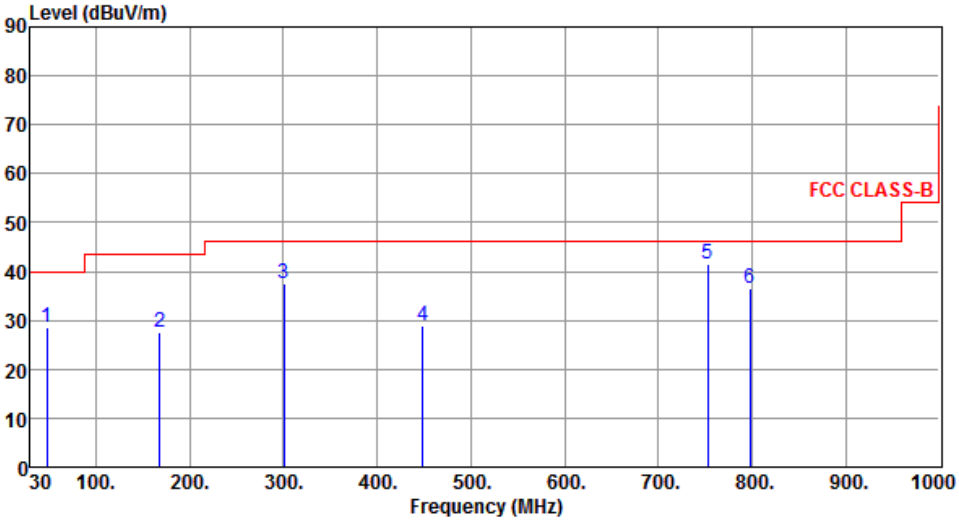
Modulation	GFSK	Test Freq. (MHz)	2402
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	167.74	37.68	43.50	-5.82	54.99	-17.31	Peak	---	---
2	288.02	33.97	46.00	-12.03	50.34	-16.37	Peak	---	---
3	335.55	34.39	46.00	-11.61	49.56	-15.17	Peak	---	---
4	676.99	31.90	46.00	-14.10	40.31	-8.41	Peak	---	---
5	752.65	36.72	46.00	-9.28	43.79	-7.07	Peak	---	---
6	797.27	33.55	46.00	-12.45	40.26	-6.71	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	GFSK	Test Freq. (MHz)	2402
Polarization	Vertical		

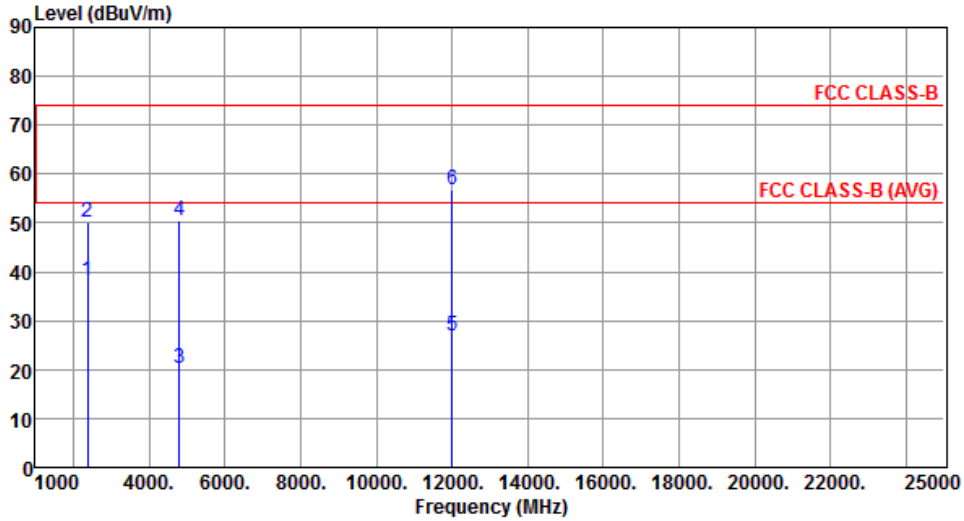


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	47.46	28.50	40.00	-11.50	45.13	-16.63	Peak	---	---
2	167.74	27.53	43.50	-15.97	44.84	-17.31	Peak	---	---
3	300.63	37.52	46.00	-8.48	53.47	-15.95	Peak	---	---
4	449.04	28.87	46.00	-17.13	41.23	-12.36	Peak	---	---
5	752.65	41.67	46.00	-4.33	48.74	-7.07	Peak	---	---
6	798.24	36.62	46.00	-9.38	43.32	-6.70	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

3.2.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for GFSK

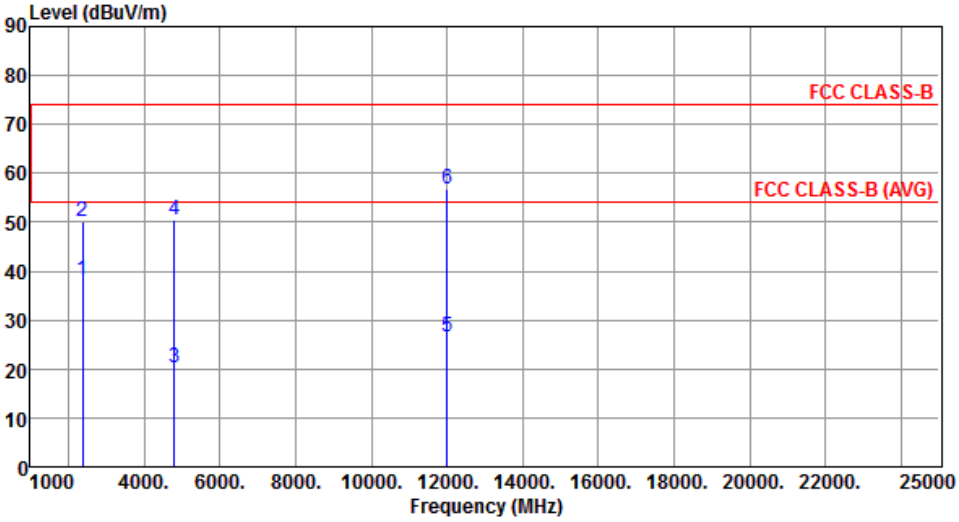
Modulation	GFSK	Test Freq. (MHz)	2402
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	38.20	54.00	-15.80	40.85	-2.65	Average	---	---
2	2390.00	50.24	74.00	-23.76	52.89	-2.65	Peak	---	---
3	4804.00	20.33	54.00	-33.67	15.40	4.93	Average	---	---
4	4804.00	50.43	74.00	-23.57	45.50	4.93	Peak	---	---
5	12010.00	26.76	54.00	-27.24	11.23	15.53	Average	---	---
6	12010.00	56.86	74.00	-17.14	41.33	15.53	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

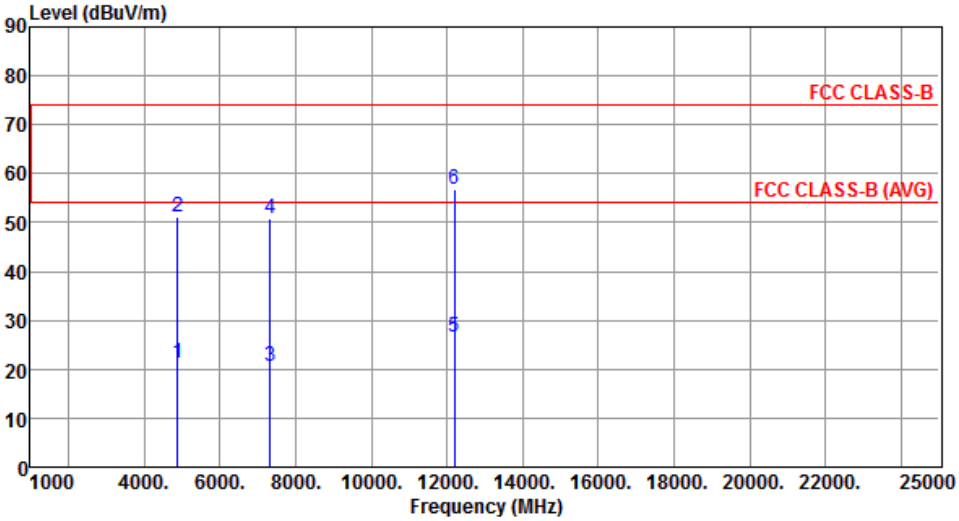
Modulation	GFSK	**Test Freq. (MHz)**	2402
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	38.06	54.00	-15.94	40.71	-2.65	Average	---	---
2	2390.00	50.20	74.00	-23.80	52.85	-2.65	Peak	---	---
3	4804.00	20.42	54.00	-33.58	15.49	4.93	Average	---	---
4	4804.00	50.52	74.00	-23.48	45.59	4.93	Peak	---	---
5	12010.00	26.68	54.00	-27.32	11.15	15.53	Average	---	---
6	12010.00	56.78	74.00	-17.22	41.25	15.53	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

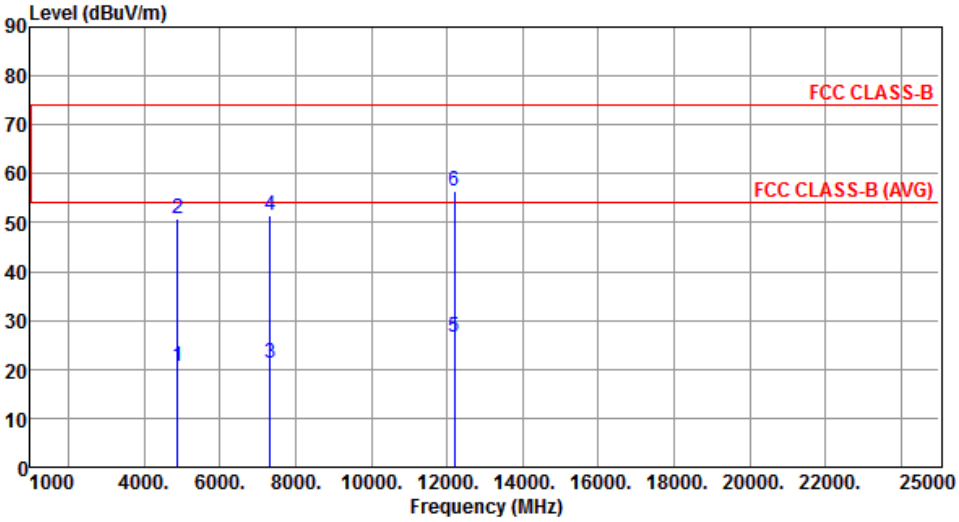
Modulation	GFSK	**Test Freq. (MHz)**	2441
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4882.00	21.13	54.00	-32.87	16.02	5.11	Average	---	---
2	4882.00	51.23	74.00	-22.77	46.12	5.11	Peak	---	---
3	7323.00	20.62	54.00	-33.38	10.48	10.14	Average	---	---
4	7323.00	50.72	74.00	-23.28	40.58	10.14	Peak	---	---
5	12205.00	26.73	54.00	-27.27	11.36	15.37	Average	---	---
6	12205.00	56.83	74.00	-17.17	41.46	15.37	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

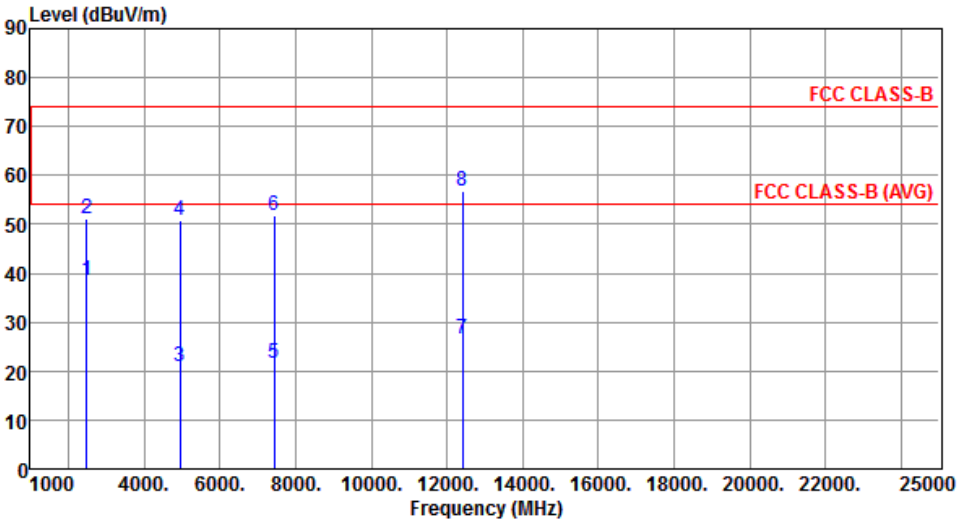
Modulation	GFSK	Test Freq. (MHz)	2441
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4882.00	20.71	54.00	-33.29	15.60	5.11	Average	---	---
2	4882.00	50.81	74.00	-23.19	45.70	5.11	Peak	---	---
3	7323.00	21.29	54.00	-32.71	11.15	10.14	Average	---	---
4	7323.00	51.39	74.00	-22.61	41.25	10.14	Peak	---	---
5	12205.00	26.50	54.00	-27.50	11.13	15.37	Average	---	---
6	12205.00	56.60	74.00	-17.40	41.23	15.37	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

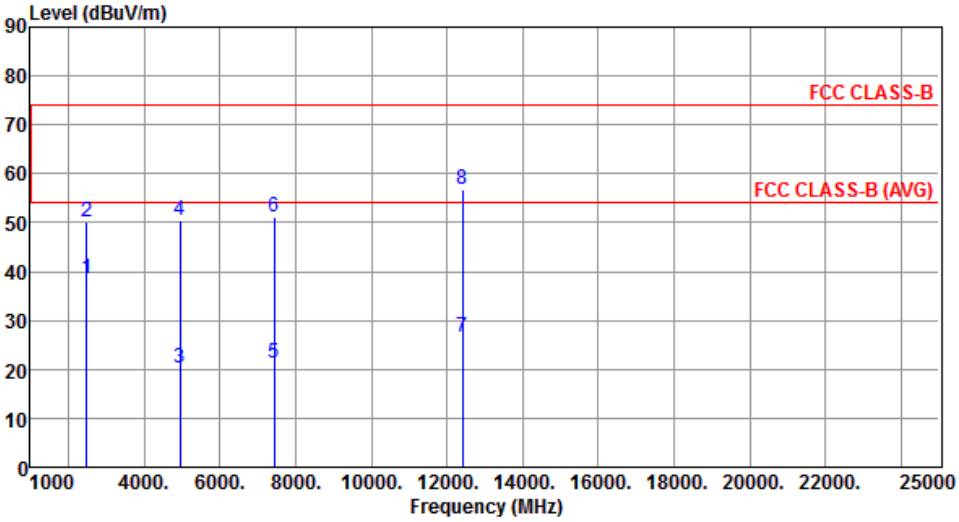
Modulation	GFSK	**Test Freq. (MHz)**	2480
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	38.46	54.00	-15.54	40.80	-2.34	Average	---	---
2	2483.50	51.26	74.00	-22.74	53.60	-2.34	Peak	---	---
3	4960.00	20.84	54.00	-33.16	15.56	5.28	Average	---	---
4	4960.00	50.94	74.00	-23.06	45.66	5.28	Peak	---	---
5	7440.00	21.59	54.00	-32.41	11.18	10.41	Average	---	---
6	7440.00	51.69	74.00	-22.31	41.28	10.41	Peak	---	---
7	12400.00	26.56	54.00	-27.44	11.34	15.22	Average	---	---
8	12400.00	56.66	74.00	-17.34	41.44	15.22	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	GFSK	**Test Freq. (MHz)**	2480
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	38.36	54.00	-15.64	40.70	-2.34	Average	---	---
2	2483.50	50.24	74.00	-23.76	52.58	-2.34	Peak	---	---
3	4960.00	20.41	54.00	-33.59	15.13	5.28	Average	---	---
4	4960.00	50.51	74.00	-23.49	45.23	5.28	Peak	---	---
5	7440.00	21.17	54.00	-32.83	10.76	10.41	Average	---	---
6	7440.00	51.27	74.00	-22.73	40.86	10.41	Peak	---	---
7	12400.00	26.54	54.00	-27.46	11.32	15.22	Average	---	---
8	12400.00	56.64	74.00	-17.36	41.42	15.22	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan Hsiang. Location map can be found on our website http://www.icertifi.com.tw.

Linkou	**Kwei Shan**	**Kwei Shan Site II**
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If you have any suggestion, please feel free to contact us as below information

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