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TEST REPORT

Report No.: 16050278HKG-002

Baby Breeza Enterprises LLC

Application
For
Certification
(Original Grant)
(FCC ID: 2AINZBRZ00139)
(IC: 21615-BRZ00139)

Transceiver

Prepared and Checked by:

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Signed On File
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Date: July 25, 2016

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GENERAL INFORMATION

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Manufacturer:	NJ International Company Ltd.
Manufacturer Address:	302, Block A, Po Lung Centre, 11 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong
Brand Name:	Baby Brezza
Model:	BRZ00139
Type of EUT:	Transceiver
Description of EUT:	Milk Bottle Warmer
Serial Number:	N/A
FCC ID / IC:	2AINZBRZ00139 / 21615-BRZ00139
Date of Sample Submitted:	May 05, 2016
Date of Test:	May 05, 2016 to July 06, 2016
Report No.:	16050278HKG-002
Report Date:	July 25, 2016
Environmental Conditions:	Temperature: +10 to 40°C Humidity: 10 to 90%

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SUMMARY OF TEST RESULT

TEST SPECIFICATION	REFERENCE	RESULTS
Radiated Emission Radiated Emission on the Bandedge	15.249, 15.209 / RSS-210 A2.9, RSS-210 2.5	Pass
Radiated Emission in Restricted Bands	15.205 / RSS-210 2.2	Pass

The equipment under test is found to be complying with the following standards:

FCC Part 15, October 1, 2014 Edition

RSS-210 Issue 8, December 2010

RSS-Gen Issue 4, November 2014

- Note: 1. The EUT uses a permanently attached antenna which, in accordance to section 15.203, is considered sufficient to comply with the provisions of this section.
2. Pursuant to FCC part 15 Section 15.215(c), the 20 dB bandwidth of the emission was contained within the frequency band designated (mentioned as above) which the EUT operated. The effects, if any, from frequency sweeping, frequency hopping, other modulation techniques and frequency stability over excepted variations in temperature and supply voltage were considered.

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1.0 **General Description**

1.1 Product Description

The Equipment Under Test (EUT) is a 2.4GHz BT 4.0 BLE transceiver for a Baby bottle Warmer that operating from 2402MHz to 2480MHz with 2MHz channel spacing. The EUT is powered by AC120V/60Hz. After paired with smart device, the user can set the command from the smart device to control the EUT.

Antenna Type: Internal, Integral

For electronic filing, the brief circuit description is saved with filename: descri.pdf.

1.2 Related Submittal(s) Grants

This is a single application for certification of a transceiver.

1.3 Test Methodology

Both AC mains line-conducted and radiated emission measurements was performed according to the procedures in ANSI C63.10 (2013). All radiated measurements were performed in an 3m Chamber. Preliminary scans were performed in the 3m Chamber only to determine worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the “**Justification Section**” of this Application.

1.4 Test Facility

The 3m Chamber and conducted measurement facility used to collect the radiated data is located at Workshop No. 3, G/F., World-Wide Industrial Centre, 43-47 Shan Mei Street, Fo Tan, Sha Tin, N.T., Hong Kong. This test facility and site measurement data have been placed on file with the FCC and IC No. 2042V.

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2.0 **System Test Configuration**

2.1 Justification

The system was configured for testing in a typical fashion (as a customer would normally use it), and in the confines as outlined in ANSI C63.10 (2013).

The device was powered by 120VAC/60Hz.

For maximizing emissions, the EUT was rotated through 360°, the antenna height was varied from 1 meter to 4 meters above the ground plane, and the antenna polarization was changed. This step by step procedure for maximizing emissions led to the data reported in Exhibit 3.0.

The unit was operated standalone and placed in the center of the turntable.

The equipment under test (EUT) was configured for testing in a typical fashion (as a customer would normally use it). The EUT was mounted to a plastic stand if necessary and placed on the wooden turntable, which enabled the engineer to maximize emissions through its placement in the three orthogonal axes.

2.2 EUT Exercising Software

There was no special software to exercise the device. Once the unit is powered up, it transmits the RF signal continuously.

2.3 Special Accessories

There are no special accessories necessary for compliance of this product.

2.4 Measurement Uncertainty

When determining of the test conclusion, the Measurement Uncertainty of test has been considered.

Uncertainty and Compliance - Unless the standard specifically states that measured values are to be extended by the measurement uncertainty in determining compliance, all compliance determinations are based on the actual measured value.

2.5 Support Equipment List and Description

N/A.

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3.0 Emission Results

Data is included of the worst case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included.

3.1 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any), Average Factor (optional) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CF - AG - AV$$

where

- FS = Field Strength in dB μ V/m
- RA = Receiver Amplitude (including preamplifier) in dB μ V
- CF = Cable Attenuation Factor in dB
- AF = Antenna Factor in dB
- AG = Amplifier Gain in dB
- AV = Average Factor in dB

In the following table(s), the reading shown on the data table reflects the preamplifier gain. An example for the calculations in the following table is as follows:

$$FS = RR + LF$$

where

- FS = Field Strength in dB μ V/m
- RR = RA - AG - AV in dB μ V
- LF = CF + AF in dB

Assume a receiver reading of 52.0 dB μ V is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB are added. The amplifier gain of 29 dB and average factor of 5 dB are subtracted, giving a field strength of 27 dB μ V/m. This value in dB μ V/m was converted to its corresponding level in μ V/m.

$$RA = 52.0 \text{ dB}\mu\text{V/m}$$

$$AF = 7.4 \text{ dB}$$

$$CF = 1.6 \text{ dB}$$

$$AG = 29.0 \text{ dB}$$

$$AV = 5.0 \text{ dB}$$

$$FS = RR + LF$$

$$FS = 18 + 9 = 27 \text{ dB}\mu\text{V/m}$$

$$RR = 18.0 \text{ dB}\mu\text{V}$$

$$LF = 9.0 \text{ dB}$$

$$\text{Level in } \mu\text{V/m} = \text{Common Antilogarithm } [(27 \text{ dB}\mu\text{V/m})/20] = 22.4 \mu\text{V/m}$$

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3.2 Radiated Emission Configuration Photograph

The worst case in radiated emission was found at 130.909 MHz

For electronic filing, the worst case radiated emission configuration photographs are saved with filename: radiated photos.pdf.

3.3 Radiated Emission Data

The data on the following page lists the significant emission frequencies, the limit and the margin of compliance. Numbers with a minus sign are below the limit.

Judgment: Passed by 3.8 dB

3.4 Conducted Emission Configuration Photograph

The worst case in line-conducted emission was found at 258 kHz

For electronic filing, the worst case line-conducted configuration photographs are saved with filename: conducted photo.pdf.

3.5 Conducted Emission Data

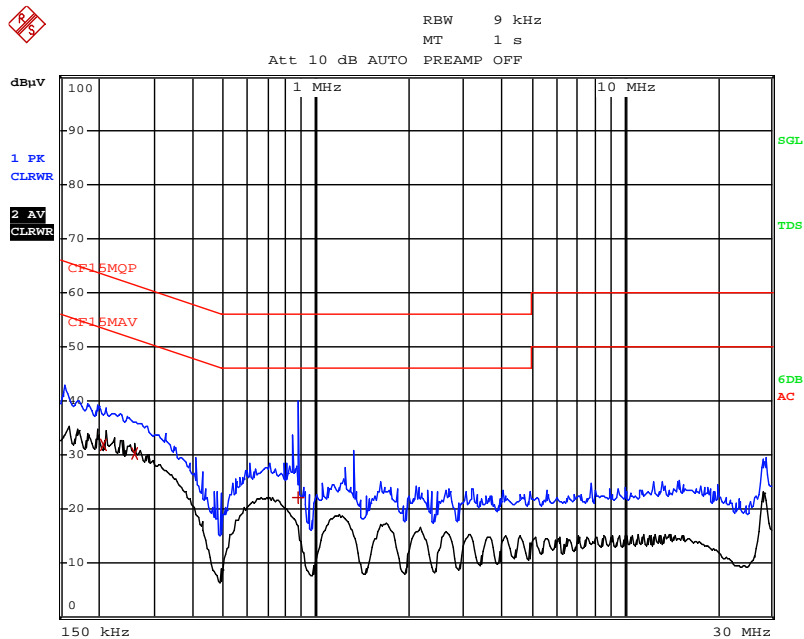
For electronic filing, the graph and data table of conducted emission is saved with filename: conducted.pdf.

Judgment: Pass by 21.16 dB

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Applicant: Baby Breeza Enterprises LLC
Model: BRZ00139
Worst-Case Operating Mode: Bluetooth

Date of Test: July 06, 2016



EDIT PEAK LIST (Final Measurement Results)				
Trace1:	CF15MQP			
Trace2:	CF15MAV			
Trace3:	---			
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB	
2 CISPR Average	208.5 kHz	31.94 N	-21.32	
2 CISPR Average	258 kHz	30.33 N	-21.16	
1 Quasi Peak	879 kHz	22.21 L1	-33.78	

Note: Measurement Uncertainty is ± 4.2 dB at a level of confidence of 95%.

INTERTEK TESTING SERVICES

Applicant: Baby Breeza Enterprises LLC

Date of Test: July 06, 2016

Model: BRZ00139

Worst-Case Operating Mode: Transmitting (Bluetooth 4.0 BLE)

Table 1

Radiated Emissions

Pursuant to FCC Part 15 Section 15.249 / RSS-210 A2.9 Requirement

Lowest Channel

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m - Peak (dBμV/m)	Average Factor (dB)	Calculated at 3m (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)
V	2402.000	95.1	33	29.4	91.5	49.8	41.7	94.0	-52.3
V	4804.000	56.6	33	34.9	58.5	49.8	8.7	54.0	-45.3
V	7206.000	45.4	33	37.9	50.3	49.8	0.5	54.0	-53.5
V	9608.000	40.8	33	40.4	48.2	49.8	-1.6	54.0	-55.6
V	12010.000	43.0	33	40.5	50.5	49.8	0.7	54.0	-53.3
V	14412.000	44.5	33	40.0	51.5	49.8	1.7	54.0	-52.3

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m - Peak (dBμV/m)	Peak Limit at 3m (dBμV/m)	Margin (dB)
V	2402.000	95.1	33	29.4	91.5	114.0	-22.5
V	4804.000	56.6	33	34.9	58.5	74.0	-15.5
V	7206.000	45.4	33	37.9	50.3	74.0	-23.7
V	9608.000	40.8	33	40.4	48.2	74.0	-25.8
V	12010.000	43.0	33	40.5	50.5	74.0	-23.5
V	14412.000	44.5	33	40.0	51.5	74.0	-22.5

NOTES: 1. Peak Detector Data unless otherwise stated.

2. All measurements were made at 3 meters. Harmonic emissions not detected at the 3-meter distances were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative sign in the column shows value below limit.
4. Horn antenna is used for the emission over 1000MHz.
5. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-210 Section 2.2.
6. Measurement Uncertainty is ± 5.3 dB at a level of confidence of 95%.

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Applicant: Baby Breeza Enterprises LLC

Date of Test: July 06, 2016

Model: BRZ00139

Worst-Case Operating Mode: Transmitting (Bluetooth 4.0 BLE)

Table 2

Radiated Emissions

Pursuant to FCC Part 15 Section 15.249 / RSS-210 A2.9 Requirement

Middle Channel

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m - Peak (dBμV/m)	Average Factor (dB)	Calculated at 3m (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)
V	2440.000	95.2	33	29.4	91.6	49.8	41.8	94.0	-52.2
V	4880.000	55.9	33	34.9	57.8	49.8	8.0	54.0	-46.0
V	7320.000	44.9	33	37.9	49.8	49.8	0.0	54.0	-54.0
V	9760.000	40.9	33	40.4	48.3	49.8	-1.5	54.0	-55.5
V	12200.000	43.3	33	40.5	50.8	49.8	1.0	54.0	-53.0
V	14640.000	46.2	33	38.4	51.6	49.8	1.8	54.0	-52.2

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m - Peak (dBμV/m)	Peak Limit at 3m (dBμV/m)	Margin (dB)
V	2440.000	95.2	33	29.4	91.6	114.0	-22.4
V	4880.000	55.9	33	34.9	57.8	74.0	-16.2
V	7320.000	44.9	33	37.9	49.8	74.0	-24.2
V	9760.000	40.9	33	40.4	48.3	74.0	-25.7
V	12200.000	43.3	33	40.5	50.8	74.0	-23.2
V	14640.000	46.2	33	38.4	51.6	74.0	-22.4

NOTES: 1. Peak Detector Data unless otherwise stated.

2. All measurements were made at 3 meters. Harmonic emissions not detected at the 3-meter distances were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative sign in the column shows value below limit.
4. Horn antenna is used for the emission over 1000MHz.
5. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-210 Section 2.2.
6. Measurement Uncertainty is ± 5.3 dB at a level of confidence of 95%.

INTERTEK TESTING SERVICES

Applicant: Baby Breeza Enterprises LLC

Date of Test: July 06, 2016

Model: BRZ00139

Worst-Case Operating Mode: Transmitting (Bluetooth 4.0 BLE)

Table 3

Radiated Emissions

Pursuant to FCC Part 15 Section 15.249 / RSS-210 A2.9 Requirement

Highest Channel

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m - Peak (dBμV/m)	Average Factor (dB)	Calculated at 3m (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)
V	2480.000	96.9	33	29.4	93.3	49.8	43.5	94.0	-50.5
V	4960.000	57.9	33	34.9	59.8	49.8	10.0	54.0	-44.0
V	7440.000	45.1	33	37.9	50.0	49.8	0.2	54.0	-53.8
V	9920.000	41.2	33	40.4	48.6	49.8	-1.2	54.0	-55.2
V	12400.000	43.2	33	40.5	50.7	49.8	0.9	54.0	-53.1
V	14880.000	46.4	33	38.4	51.8	49.8	2.0	54.0	-52.0

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m - Peak (dBμV/m)	Peak Limit at 3m (dBμV/m)	Margin (dB)
V	2480.000	96.9	33	29.4	93.3	114.0	-20.7
V	4960.000	57.9	33	34.9	59.8	74.0	-14.2
V	7440.000	45.1	33	37.9	50.0	74.0	-24.0
V	9920.000	41.2	33	40.4	48.6	74.0	-25.4
V	12400.000	43.2	33	40.5	50.7	74.0	-23.3
V	14880.000	46.4	33	38.4	51.8	74.0	-22.2

NOTES: 1. Peak Detector Data unless otherwise stated.

2. All measurements were made at 3 meters. Harmonic emissions not detected at the 3-meter distances were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative sign in the column shows value below limit.
4. Horn antenna is used for the emission over 1000MHz.
5. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-210 Section 2.2.
6. Measurement Uncertainty is ± 5.3 dB at a level of confidence of 95%.

INTERTEK TESTING SERVICES

Applicant: Baby Breeza Enterprises LLC

Date of Test: July 06, 2016

Model: BRZ00139

Worst-Case Operating Mode: Normal Cold Quick Warm

Table 4
Radiated Emissions
Pursuant to FCC Part 15 Section 15.209 / RSS-210 2.5 Requirement

Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-amp (dB)	Antenna Factor (dB)	Net at 3m (dB μ V/m)	Limit at 3m (dB μ V/m)	Margin (dB)
V	48.643	29.5	16	11.0	24.5	40.0	-15.5
H	84.353	40.4	16	8.0	32.4	40.0	-7.6
V	130.909	41.7	16	14.0	39.7	43.5	-3.8
H	173.321	29.0	16	19.0	32.0	43.5	-11.5
V	264.850	20.9	16	21.0	25.9	46.0	-20.1
H	377.218	19.8	16	24.0	27.8	46.0	-18.2

NOTES: 1. Peak Detector Data unless otherwise stated.

2. All measurements were made at 3 meters. Harmonic emissions not detected at the 3-meter distances were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative sign in the column shows value below limit.
4. Horn antenna is used for the emission over 1000MHz.
5. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
6. Measurement Uncertainty is ± 5.3 dB at a level of confidence of 95%.

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4.0 **Equipment Photographs**

For electronic filing, the photographs are saved with filename: external photos.pdf and internal photos.pdf.

5.0 **Product Labelling**

For electronics filing, the FCC ID label artwork and the label location are saved with filename: label.pdf.

6.0 **Technical Specifications**

For electronic filing, the block diagram and schematic of the tested EUT are saved with filename: block.pdf and circuit.pdf respectively.

7.0 **Instruction Manual**

For electronic filing, a preliminary copy of the Instruction Manual is saved with filename: manual.pdf.

This manual will be provided to the end-user with each unit sold/leased in the United States and Canada.

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8.0 **Miscellaneous Information**

The miscellaneous information includes details of the test procedure and measured bandwidth / calculation of factor such as pulse desensitization and averaging factor (calculation and timing diagram).

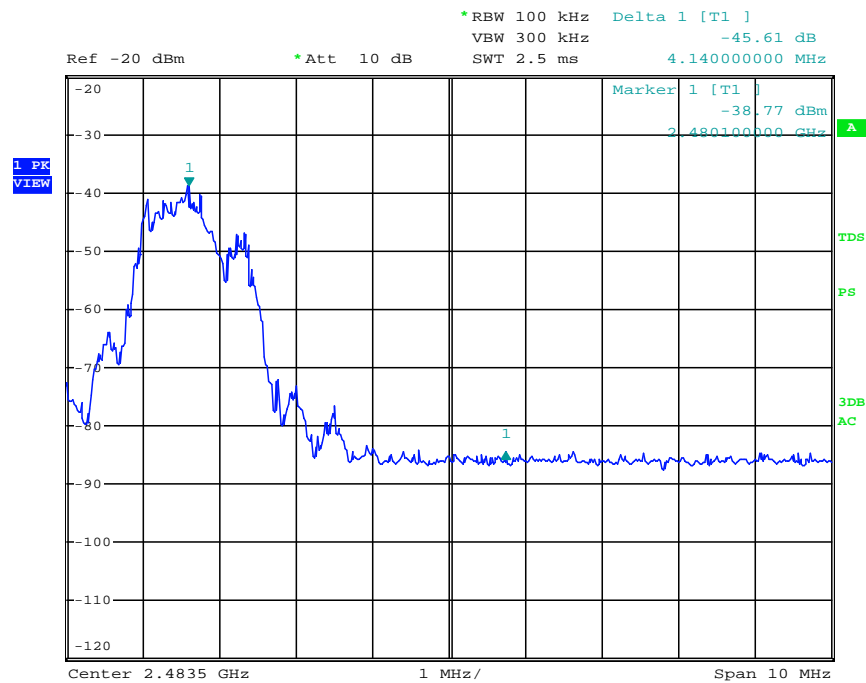
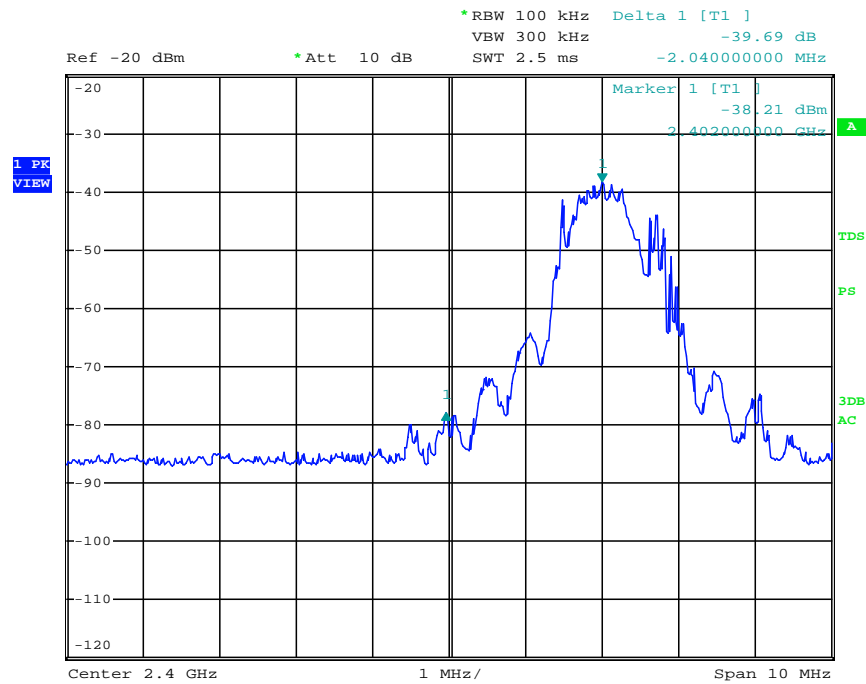
8.1 Radiated Emission on the Bandedge

From the following plots, they show that the fundamental emissions are confined in the specified band (2400MHz to 2483.5MHz). In case of the fundamental emissions are within two standard bandwidths from the bandedge, the delta measurement technique is used for determining bandedge compliance. Standard bandwidth is the bandwidth specified by ANSI C63.10 (2013) for frequency being measured.

Emissions radiated outside of the specified frequency bands, except harmonics, are attenuated by 50dB below the level of the fundamental or to the general radiated emissions limits in Section 15.209 / RSS-210 2.5, whichever is the lesser attenuation, which meet the requirement of part 15.249(d) / RSS-210 A2.9.

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Peak Measurement



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Peak Measurement

Bandedge compliance is determined by applying marker-delta method, i.e. (Bandedge Plot).

Lower bandedge

Peak Resultant field strength = Fundamental emissions (peak value) – delta from the plot

=91.5 dB μ V/m – 39.7 dB

=51.8 dB μ V/m

Average Resultant field strength = Fundamental emissions (average value) – delta from the plot

=41.7 dB μ V/m – 39.7 dB

=2.0 dB μ V/m

Upper bandedge

Peak Resultant field strength = Fundamental emissions (peak value) – delta from the plot

=93.3 dB μ V/m – 45.6 dB

=47.7 dB μ V/m

Average Resultant field strength = Fundamental emissions (average value) – delta from the plot

=43.5 dB μ V/m – 45.6 dB

=2.1 dB μ V/m

The resultant field strength meets the general radiated emission limit in Section 15.209 / RSS-210 2.5, which does not exceed 74 dB μ V/m (Peak Limit) and 54 dB μ V/m (Average Limit).

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8.2 Discussion of Pulse Desensitization

Pulse desensitivity is not applicable for this device. The effective period (T_{eff}) is approximately 0.32ms for a digital "1" bit which illustrated on technical specification, with a resolution bandwidth (3dB) of 1MHz, so the pulse desensitivity factor is 0dB.

8.3 Calculation of Average Factor

The duty cycle is simply the on-time divided by the period:

The duration of one cycle = 100 ms

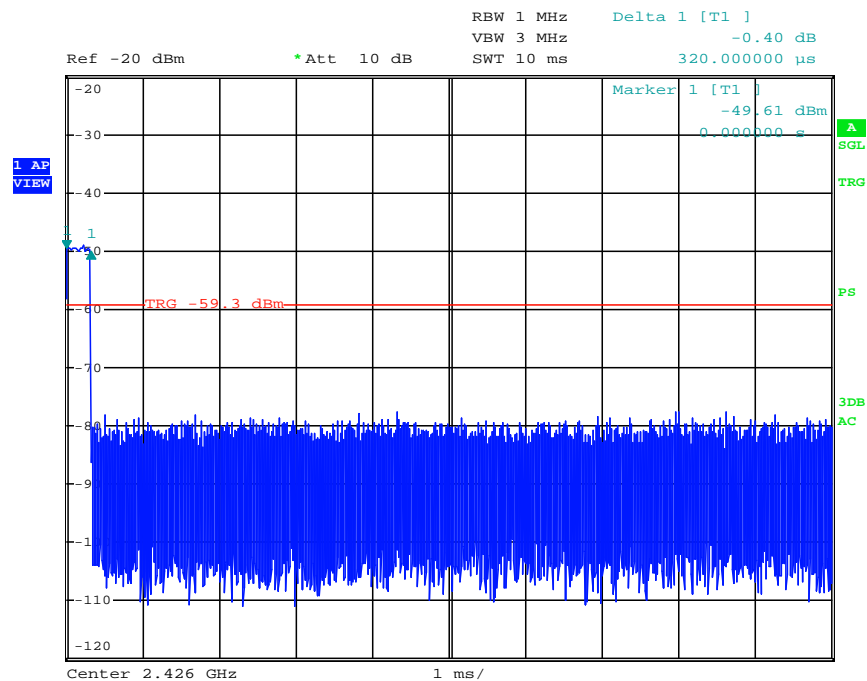
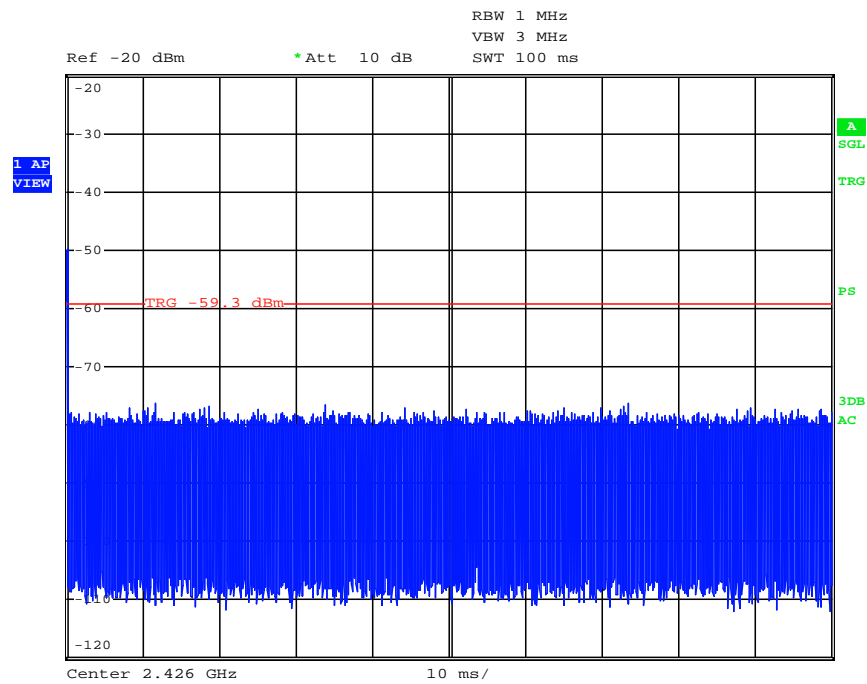
Effective period of the cycle = 0.32ms

$DC = 0.32 / 100 = 0.0032$

Therefore, the averaging factor is found by $20\log 0.0032 = -49.8\text{dB}$.

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Average Factor



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8.4 Emissions Test Procedures

The following is a description of the test procedure used by Intertek Testing Services Hong Kong Ltd. in the measurements of transmitter operating under the Part 15, Subpart C rules.

The transmitting equipment under test (EUT) is placed on a wooden turntable which is four feet in diameter and approximately 0.8m in height above the ground plane for emission measurement at or below 1GHz and 1.5m in height above the ground plane for emission measurement above 1GHz. During the radiated emissions test, the turntable is rotated and any cables leaving the EUT are manipulated to find the configuration resulting in maximum emissions. The EUT is adjusted through all three orthogonal axis to obtain maximum emission levels. The antenna height and polarization are also varied during the testing to search for maximum signal levels. The height of the antenna is varied from one to four meters.

Detector function for radiated emissions is in peak mode. Average readings, when required, are taken by measuring the duty cycle of the equipment under test and subtracting the corresponding amount in dB from the measured peak readings. A detailed description for the calculation of the average factor can be found in Exhibit 8.3.

The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower. For line conducted emissions, the range scanned is 150 kHz to 30 MHz.

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8.4 Emissions Test Procedures (cont'd)

The EUT is warmed up for 15 minutes prior to the test.

AC power to the unit is varied from 85% to 115% nominal and variation in the fundamental emission field strength is recorded. If battery powered, a new, fully charged battery is used.

Conducted measurements were made as described in ANSI C63.10 (2013).

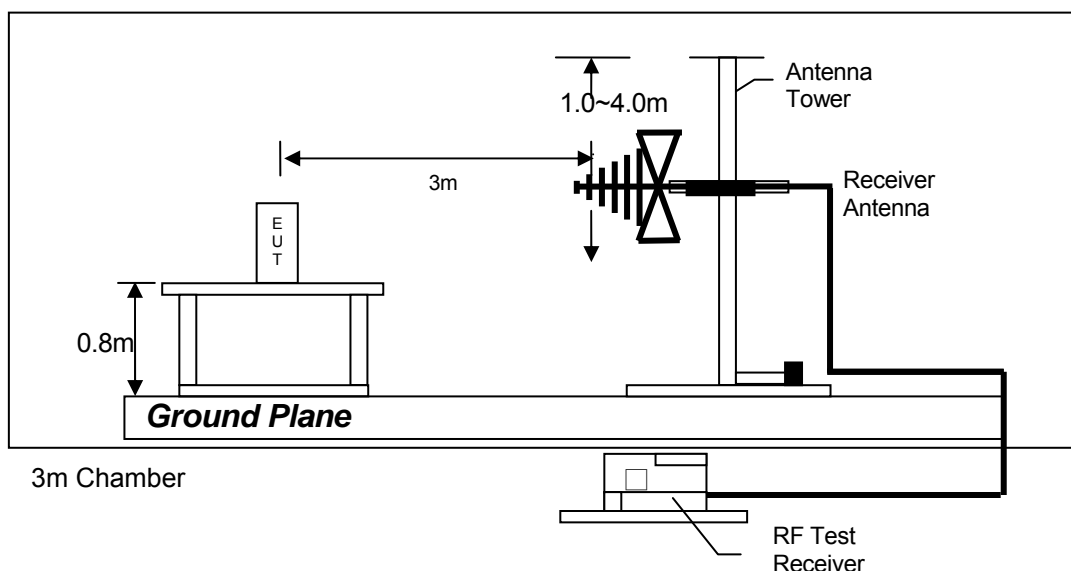
The IF bandwidth used for measurement of radiated signal strength was 100 kHz or greater when frequency is below 1000 MHz. Where pulsed transmissions of short enough pulse duration warrant, a greater bandwidth is selected according to the recommendations of Hewlett Packard Application Note 150-2. A discussion of whether pulse desensitivity is applicable to this unit is included in this report (See Exhibit 8.1). Above 1000 MHz, a resolution bandwidth of 3 MHz is used.

Transmitter measurements are normally conducted at a measurement distance of three meters. However, to assure low enough noise floor in the forbidden bands and above 1 GHz, signals are acquired at a distance of one meter or less. All measurements are extrapolated to three meters using inverse scaling, unless otherwise reported. Measurements taken at a closer distance are so marked.

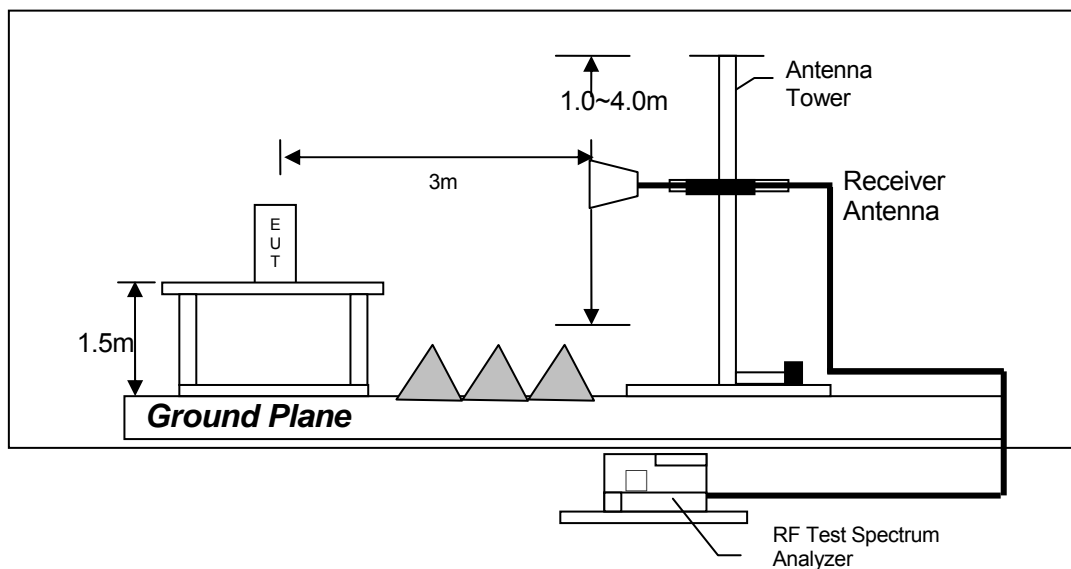
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8.4.1 Radiated Emission Test Setup

The figure below shows the test setup, which is utilized to make these measurements.



Test setup of radiated emissions up to 1GHz



Test setup of radiated emissions above 1GHz

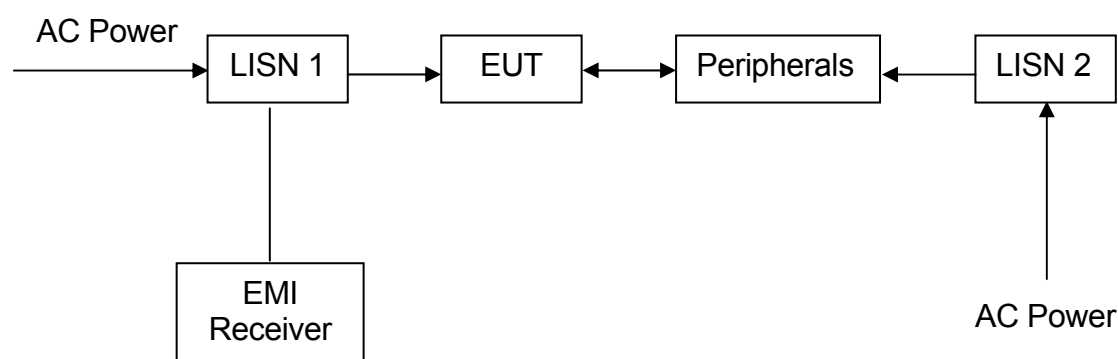
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8.4.2 Conducted Emission Test Procedures

For tabletop equipment, the EUT along with its peripherals were placed on a 1.0m(W)×1.5m(L) and 0.8m in height wooden table. For floor-standing equipment, the EUT and all cables were insulated, if required, from the ground plane by up to 12 mm of insulating material. The EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane. The EUT was connected to power mains through a line impedance stabilization network (LISN), which provided 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room. The excess power cable between the EUT and the LISN was bundled.

All connecting cables of EUT and peripherals were moved to find the maximum emission.

8.4.3 Conducted Emission Test Setup



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8.5 Occupied Bandwidth

Occupied Bandwidth Results:

Bluetooth	Occupied Bandwidth (MHz)
Low Channel: 2402	1.410
Middle Channel: 2440	1.440
High Channel: 2480	1.640

The worst case is shown as below



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9.0 Equipment List

1) Radiated Emissions Test

Equipment	EMI Test Receiver	Spectrum Analyzer	Biconical Antenna
Registration No.	EW-3156	EW-2249	EW-0571
Manufacturer	R&S	R&S	EMCO
Model No.	ESR26	FSP30	3104C
Calibration Date	Nov. 03, 2015	Nov. 27, 2015	Jun. 23, 2015
Calibration Due Date	Nov. 03, 2016	Nov. 27, 2016	Dec. 23, 2016

Equipment	Log Periodic Antenna	Double Ridged Guide Antenna
Registration No.	EW-0572	EW-1133
Manufacturer	EMCO	EMCO
Model No.	3146	3115
Calibration Date	Jan. 19, 2015	Nov. 05, 2015
Calibration Due Date	Jul. 19, 2016	May 05, 2017

2) Conducted Emissions Test

Equipment	EMI Test Receiver	LISN
Registration No.	EW-2500	EW-2501
Manufacturer	R&S	R&S
Model No.	ESCI	ENV-216
Calibration Date	Jan. 28, 2016	Jan. 28, 2016
Calibration Due Date	Jan. 28, 2017	Jan. 28, 2017

3) Bandedge and Average Factor Measurement

Equipment	Spectrum Analyzer
Registration No.	EW-2249
Manufacturer	R&S
Model No.	FSP30
Calibration Date	Nov. 27, 2015
Calibration Due Date	Nov. 27, 2016

END OF TEST REPORT