

## TEST REPORT

**Report No.: 25040105HKG-001**

PARTICULA LLC

Application For Original Grant of 47 CFR Part 15 Certification

New Family of RSS-247 Issue 3 Certification

GoBalance Play / GoBalance Sport

**FCC ID: 2ASMEGBN1**

**IC: 24826-GBN1**

**Prepared and Checked by:**

**Approved by:**

Signed on File  
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Assistant Manager  
Date: May 14, 2025

## TEST REPORT

### GENERAL INFORMATION

<b>Grantee:</b>	PARTICULA LLC
<b>Grantee Address:</b>	144-42 JEWEL AVENUE, FLUSHING, NY 11367, USA.
<b>FCC Specification Standard:</b>	FCC Part 15, October 1, 2023 Edition
<b>FCC ID:</b>	2ASMEGBN1
<b>FCC Model(s):</b>	GBN1-PLAY, GBN1-SPORT
<b>IC Specification Standard:</b>	RSS-247 Issue 3, August 2023 RSS-Gen Issue 5 Amendment 2, February 2021
<b>IC:</b>	24826-GBN1
<b>HVIN:</b>	GBN1-PLAY, GBN1-SPORT
<b>PMN:</b>	GBN1-PLAY, GBN1-SPORT
<b>Type of EUT:</b>	Spread Spectrum Transmitter
<b>Description of EUT:</b>	GoBalance Play / GoBalance Sport
<b>Brand Name:</b>	GoBalance
<b>Sample Receipt Date:</b>	April 11, 2025
<b>Date of Test:</b>	April 11, 2025 to April 14, 2025
<b>Report Date:</b>	May 14, 2025
<b>Environmental Conditions:</b>	Temperature: +10 to 40°C Relative Humidity: 10 to 90%
<b>Conclusion:</b>	Test was conducted by client submitted sample. The submitted sample as received complied with the 47 CFR Part 15 / RSS-247 Issue 3 Certification.

## TEST REPORT

### SUMMARY OF TEST RESULT

Test Items	FCC Part 15 Section	RSS-247 / RSS-Gen <sup>#</sup> Section	Results
Antenna Requirement	15.203	7.1.2 <sup>#</sup>	Complied
Max. Conducted Output Power (Peak)	15.247(b)(3)&(4)	5.4(4)	Complied
Min. 6dB RF Bandwidth	15.247(a)(2)	5.2(1)	Complied
Max. Power Density (Average)	15.247(e)	5.2(2)	Complied
Out of Band Antenna Conducted Emission	15.247(d)	5.5	Complied
Radiated Emission in Restricted Bands and Spurious Emissions	15.247(d), 15.209 & 15.109	5.5	Complied
AC Power Line Conducted Emission	15.207 & 15.107	7.2.4 <sup>#</sup>	Complied

Note: Pursuant to FCC Part 15 Section 15.215(c), the 20dB 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 expected variations in temperature and supply voltage were considered.

For all technical data, which can be referred to Annex B – Report cover sheet.

For electronic filing, the Annex B – Report cover sheet is saved with filename: Annex B.pdf.

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

FCC Part 15, October 1, 2023 Edition

RSS-247 Issue 3, August 2023

RSS-Gen Issue 5 Amendment 2, February 2021

## TEST REPORT

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## TEST REPORT

### EXHIBIT 1 GENERAL DESCRIPTION

#### 1.1 Product Description

The Equipment Under Test (EUT) is a Bluetooth BLE (1Mbps) Transceiver for a balance board. The sample supplied operated on 40 channels, normally at 2402 – 2480MHz. The channels are separated with 2MHz spacing.

The EUT is powered by 1 x 3.0V CR2032 battery. After switching on the EUT, it can be paired up with a smartphone and can be used to play different game through a mobile app.

The Model: GBN1-SPORT is the same as the Model: GBN1-PLAY in electronics/electrical designs including software & firmware, PCB layout and construction design/physical design/enclosure. The only differences between these models are color, exterior casing and packaging to be sold for marketing purpose as declared by client.

The antenna(s) used in the EUT is integral, and the test sample is a prototype.  
Peak Antenna Gain: 0.4dBi

The circuit description is saved with filename: descri.pdf.

#### 1.2 Test Methodology

Radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013). Preliminary radiated scans and all radiated measurements were performed in radiated emission test sites. All Radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "**Justification Section**" of this Application.

Antenna port conducted measurements were performed according to ANSI C63.10 (2013) and KDB Publication No. 558074 D01 v05r02 (April 02, 2019) All other measurements were made in accordance with the procedures in 47 CFR Part 2 and RSS-Gen Issue 5 Amendment 2, February 2021.

#### 1.3 Test Facility

The radiated emission test site and antenna port conducted measurement facility used to collect the radiated data and conductive data are at Workshop No. 3, G/F., World-Wide Industrial Centre, 43-47 Shan Mei Street, Fo Tan, Sha Tin, N.T., Hong Kong SAR, China. This test facility and site measurement data have been fully placed on file with the FCC and Industry Canada No.: 2042H, CABID is "HKAP01".

#### 1.4 Related Submittal(s) Grants

This is a single application for certification of a transceiver (Bluetooth BLE (1Mbps) Portion).

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### EXHIBIT 2 SYSTEM TEST CONFIGURATION

#### 2.1 Justification

For radiated emissions testing, the equipment under test (EUT) was setup to transmit / receive continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, all cables (if any) were manipulated to produce worst case emissions.

The EUT was powered by 3.0VDC (1 x 3.0V CR2032 Battery) during test.

For the measurements, the EUT was attached to a plastic stand if necessary and placed on the wooden turntable at 0.8m height from the ground plane for emission testing at or below 1GHz and 1.5m for emission measurements above 1GHz. If the base unit attached to peripherals, they were connected and operational (as typical as possible).

The signal was maximized through rotation and placement in the three orthogonal axes. The antenna height and polarization were varied during the search for maximum signal level. The antenna height was varied from 1 to 4 meters. Radiated emissions were taken at three meters unless the signal level was too low for measurement at that distance. If necessary, a pre-amplifier was used and/or the test was conducted at a closer distance.

For any intentional radiator powered by AC power line, measurements of the radiated signal level of the fundamental frequency component of the emission was performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage.

Radiated emission measurement for transmitter were performed 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 to 40 GHz, whichever is lower.

Emission that are directly caused by digital circuits in the transmit path and transmitter portion were measured, and the limit are according to FCC Part 15 Section 15.209 / RSS-247 2.5. Digital circuitries used to control additional functions other than the operation of the transmitter are subject to FCC Part 15 Section 15.109 / RSS-247 Section 5.5 Limits.

Detector function for radiated emissions was in peak mode. Average readings, when required, were 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 section 4.8.3.

Determination of pulse desensitization was made according to *Hewlett Packard Application Note 150-2, Spectrum Analysis... Pulsed RF*. The effective period (Teff) was referred to Exhibit 4.8.3. With the resolution bandwidth 1MHz and spectrum analyzer IF bandwidth 3dB, the pulse desensitization factor was 0dB.

For AC power line-conducted emission test, the EUT along with its peripherals were placed on a 1.0m(W)x1.5m(L) and 0.8m in height wooden table and 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 50ohm coupling impedance for measuring instrument. The LISN housing, measuring instrument case, reference ground plane, and vertical ground plane were bounded together. The excess power cable between the EUT and the LISN was bundled.

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

All relevant operation modes have been tested, and the worst-case data is included in this report.

### 2.2 EUT Exercising Software

The EUT exercise program (Direct Test Mode v2.1.0) used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use.

### 2.3 Details of EUT and Description of Accessories

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

### 2.4 Measurement Uncertainty

Decision Rule for compliance: For FCC/IC standard, the measured value must be within the limits of applicable standard without accounting for the measurement uncertainty. For EN/IEC/HKTA/HKTC standard, conformity rules will be used as per standard directly excepted EN/IEC 61000-3-2, EN/IEC 61000-3-3, HKTA1004, HKCA1008, HKTA1019, HKTA1020, HKTA1041 and HKTA1044.

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.

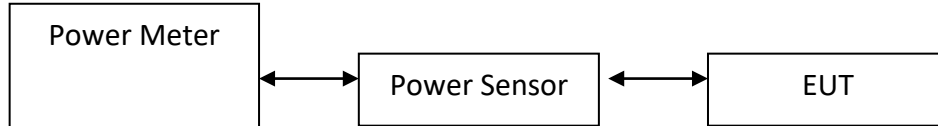
## TEST REPORT

### EXHIBIT 3 TEST RESULTS

#### 3.1 Maximum Conducted (Peak) Output Power at Antenna Terminals

##### RF Conduct Measurement Test Setup

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



The antenna port of the EUT was connected to the input of a spectrum analyzer.

- ☒ The antenna power of the EUT was connected to the input of a power meter. Power was read directly and cable loss correction was added to the reading to obtain power at the EUT antenna terminals. The measurement procedure 8.3.2.3 was used.
- ☐ The EUT should be configured to transmit continuously (at a minimum duty cycle of 98%) at full power over the measurement duration. The measurement procedure AVG1 was used.

(BLE, 1 Mbps) Peak Antenna Gain = 0.4 dBi (Refer to Test Data.pdf)

Frequency (MHz)	Output in dBm	Output in mW
Low Channel: 2402 (P.7)	-3.779	0.42
Middle Channel: 2440 (P.17)	-3.247	0.47
High Channel: 2480 (P.26)	-3.826	0.41

Cable loss: 0.5 dB External Attenuation: 0 dB

Cable loss, external attenuation: ☒ included in OFFSET function  
☐ added to SA raw reading

(BLE, 1 Mbps)

Max. Conducted (Peak) Output Level = -3.247 dBm

Limits:

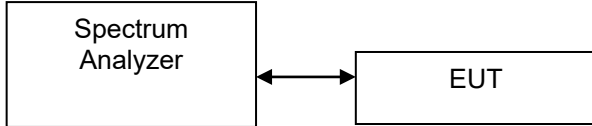
1W (30dBm) for antennas with gains of 6dBi or less.



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### 3.2 Minimum 6dB RF Bandwidth

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



The antenna port of the EUT was connected to the input of a spectrum analyzer. The EBW measurement procedure was used. A PEAK output reading was taken, a DISPLAY line was drawn 6dB lower than PEAK level. The 6dB bandwidth was determined from where the channel output spectrum intersected the display line.

(BLE, 1 Mbps) (Refer to Test Data.pdf)

Frequency (MHz)	6dB Bandwidth (kHz)
Low Channel: 2402 (P.4)	752.476
Middle Channel: 2440 (P.16)	693.070
High Channel: 2480 (P.25)	772.278

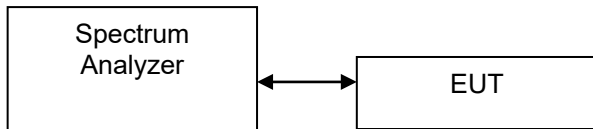
Limits:

6dB bandwidth shall be at least 500kHz.

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### 3.3 Minimum Power Spectral Density

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



Antenna output of the EUT was coupled directly to spectrum analyzer. The measurement procedure 10.2 PKPSD was used. If an external attenuator and/or cable was used, these losses are compensated for using the OFFSET function of the analyser.

(BLE, 1 Mbps) (Refer to Test Data.pdf)

Frequency (MHz)	PSD in 100kHz (dBm)
Low Channel: 2402 (P.8)	-6.355
Middle Channel: 2440 (P.20)	-6.067
High Channel: 2480 (P.29)	-8.216

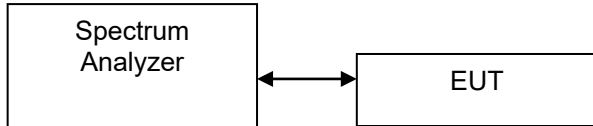
Cable Loss: 0.5dB

Limit: 8dBm in 3kHz

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### 3.4 Out of Band Conducted Emissions

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



The maximum conducted (peak) output power was used to demonstrate compliance as described in 9.1. Then the display line (in red) shown in the following plots denotes the limit at 20dB below maximum measured in-band peak PSD level in 100 KHz bandwidth.

The measurement procedures under sections 11 of KDB558074 D01 v05r02 (April 2, 2019) were used.

Furthermore, delta measurement technique for measuring bandedge emissions was incorporated in the test of the edge at 2483.5MHz.

#### Limits:

All spurious emission and up to the tenth harmonic was measured and they were found to be at least 20dB below the maximum measured in-band peak PSD level.

(BLE, 1 Mbps) (Refer to Test Data.pdf)

Frequency (MHz)	Out of Band Conducted Emissions	Band Edge
Low Channel: 2402	P.13	P.9
Middle Channel: 2440	P.22	N/A
High Channel: 2480	P.34	P.30

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### 3.5 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

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

Where	FS	=	Field Strength in dBμV/m
	RA	=	Receiver Amplitude (including preamplifier) in dBμV
	CF	=	Cable Attenuation Factor in dB
	AF	=	Antenna Factor in dB
	AG	=	Amplifier Gain in dB
	PD	=	Pulse Desensitization in dB
	AV	=	Average Factor in -dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

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

Example:

Assume a receiver reading of 62.0 dBμV is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29.0 dB is subtracted. The pulse desensitization factor of the spectrum analyzer is 0.0 dB, and the resultant average factor is -10.0 dB. The net field strength for comparison to the appropriate emission limit is 32.0 dBμV/m. This value in dBμV/m is converted to its corresponding level in μV/m.

$$\begin{aligned} RA &= 62.0 \text{ dB}\mu\text{V} \\ AF &= 7.4 \text{ dB} \\ CF &= 1.6 \text{ dB} \\ AG &= 29.0 \text{ dB} \\ PD &= 0.0 \text{ dB} \\ AV &= -10.0 \text{ dB} \\ FS &= 62.0 + 7.4 + 1.6 - 29.0 + 0.0 + (-10.0) = 32.0 \text{ dB}\mu\text{V/m} \end{aligned}$$

$$\text{Level in } \mu\text{V/m} = \text{Common Antilogarithm } [(32.0 \text{ dB}\mu\text{V/m})/20] = 39.8 \text{ } \mu\text{V/m}$$

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### 3.6 Transmitter Radiated Emissions in Restricted Bands and Spurious Emissions

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.

The data on the following pages list the significant emission frequencies, the limit and the margin of compliance.

#### 3.6.1 Radiated Emission Configuration Photograph

Worst Case Restricted Band Radiated Emission at 7440 MHz

The worst case radiated emission configuration photographs are saved with filename:  
Setup Photos.pdf

#### 3.6.2 Radiated Emission Data

The data in tables 1-4 list the significant emission frequencies, the limit and the margin of compliance.

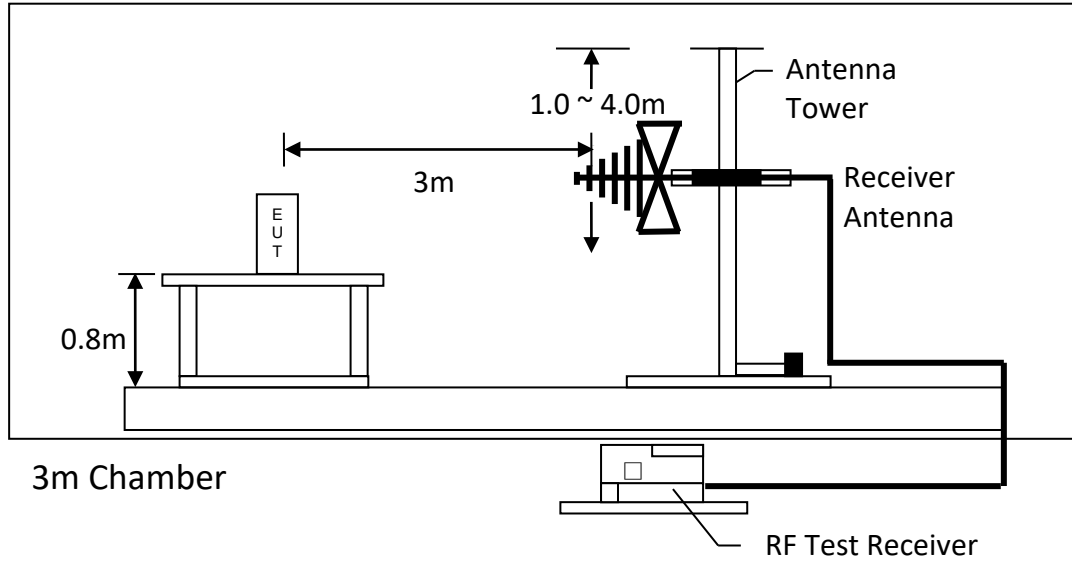
Judgement:

Passed by 3.5 dB margin

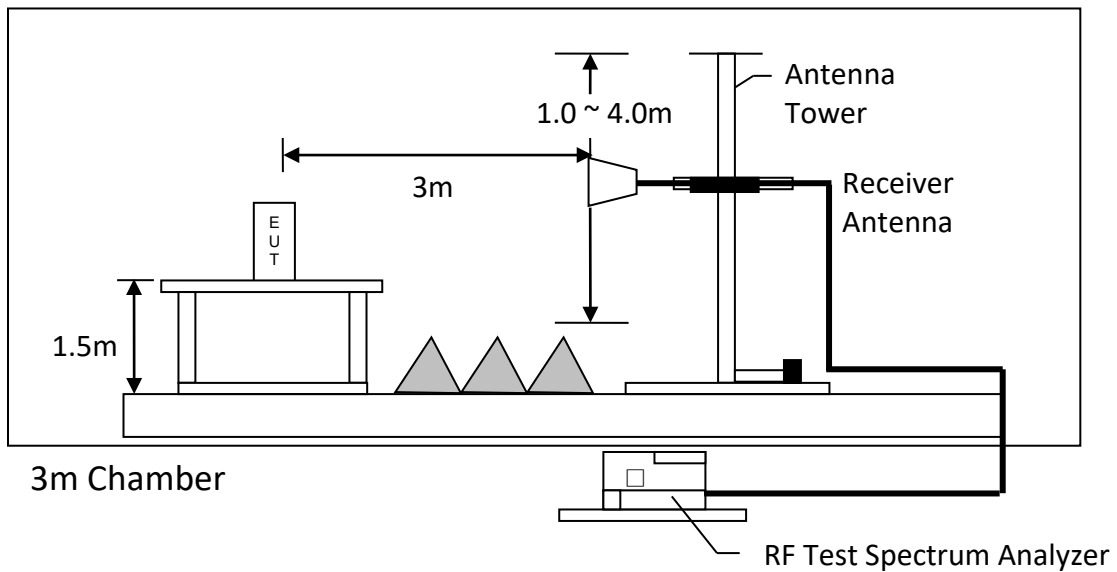
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### 3.6.3 Radiated Emission Test Setup

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

## TEST REPORT

### RADIATED EMISSION DATA

Mode: TX-Channel 2402

Table 1, BLE 1Mbps

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (average) (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)
H	2390.000	42.3	33	29.4	38.7	54.0	-15.3
H	4804.000	33.6	33	34.9	35.5	54.0	-18.5
H	7206.000	41.2	33	37.9	46.1	54.0	-7.9
V	9608.000	37.2	33	40.4	44.6	54.0	-9.4
V	12010.000	38.3	33	40.5	45.8	54.0	-8.2
H	14412.000	39.1	33	40.0	46.1	54.0	-7.9

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)
H	2390.000	55.9	33	29.4	52.3	74.0	-21.7
H	4804.000	46.8	33	34.9	48.7	74.0	-25.3
H	7206.000	53.1	33	37.9	58.0	74.0	-16.0
V	9608.000	50.2	33	40.4	57.6	74.0	-16.4
V	12010.000	51.6	33	40.5	59.1	74.0	-14.9
H	14412.000	52.5	33	40.0	59.5	74.0	-14.5

- Notes:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement.
  3. All measurements were made at 3 meters.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emissions within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-Gen Section 8.10.
  7. Measurement Uncertainty is  $\pm 5.3$ dB at a level of confidence of 95%.

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### RADIATED EMISSION DATA

Mode: TX-Channel 2440

Table 2, BLE 1Mbps

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (average) (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)
H	4880.000	33.7	33	34.9	35.6	54.0	-18.4
H	7320.000	42.2	33	37.9	47.1	54.0	-6.9
H	9760.000	36.3	33	40.4	43.7	54.0	-10.3
V	12200.000	39.4	33	40.5	46.9	54.0	-7.1
V	14640.000	39.0	33	38.4	44.4	54.0	-9.6

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)
H	4880.000	46.8	33	34.9	48.7	74.0	-25.3
H	7320.000	54.9	33	37.9	59.8	74.0	-14.2
H	9760.000	49.6	33	40.4	57.0	74.0	-17.0
V	12200.000	53.2	33	40.5	60.7	74.0	-13.3
V	14640.000	53.1	33	38.4	58.5	74.0	-15.5

- Notes:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement.
  3. All measurements were made at 3 meters.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emissions within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-Gen Section 8.10.
  7. Measurement Uncertainty is  $\pm 5.3$ dB at a level of confidence of 95%.



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### RADIATED EMISSION DATA

Mode: TX-Channel 2480

Table 3, BLE 1Mbps

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (average) (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)
H	2483.500	43.4	33	29.4	39.8	54.0	-14.2
H	4960.000	37.4	33	34.9	39.3	54.0	-14.7
H	7440.000	45.6	33	37.9	50.5	54.0	-3.5
H	9920.000	38.0	33	40.4	45.4	54.0	-8.6
H	12400.000	41.4	33	40.5	48.9	54.0	-5.1
V	14880.000	37.9	33	38.4	43.3	54.0	-10.7

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)
H	2483.500	64.5	33	29.4	60.9	74.0	-13.1
H	4960.000	49.9	33	34.9	51.8	74.0	-22.2
H	7440.000	56.7	33	37.9	61.6	74.0	-12.4
H	9920.000	51.9	33	40.4	59.3	74.0	-14.7
H	12400.000	54.7	33	40.5	62.2	74.0	-11.8
V	14880.000	51.3	33	38.4	56.7	74.0	-17.3

- Notes:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement.
  3. All measurements were made at 3 meters.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emissions within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-Gen Section 8.10.
  7. Measurement Uncertainty is  $\pm 5.3$ dB at a level of confidence of 95%.

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### RADIATED EMISSION DATA

Mode: BLE Operating

Table 4

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-amp (dB)	Antenna Factor (dB)	Net at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)
V	45.278	20.4	16	10.0	14.4	40.0	-25.6
V	110.025	24.5	16	14.0	22.5	43.5	-21.0
V	117.300	28.1	16	14.0	26.1	43.5	-17.4
V	123.726	26.2	16	14.0	24.2	43.5	-19.3
H	701.604	12.9	16	30.0	26.9	46.0	-19.1
H	916.095	12.4	16	33.0	29.4	46.0	-16.6

- Notes:
1. Peak detector are used for the emission measurement.
  2. All measurements were made at 3 meters.
  3. Negative value in the margin column shows emission below limit.
  4. Emissions within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-Gen Section 8.10.
  5. Measurement Uncertainty is  $\pm 5.3$ dB at a level of confidence of 95%.

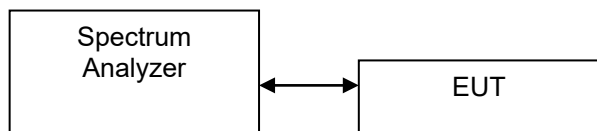
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### 3.7 Transmitter Duty Cycle Calculation

Not Applicable – No average factor is required

### 3.8 Occupied Bandwidth

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



Occupied Bandwidth Results: (BLE 1Mbps) (Refer to Test Data.pdf)

Frequency (MHz)	Occupied Bandwidth (MHz)
Low Channel: 2402 (P.5)	1.023
Middle Channel: 2440 (P.18)	1.053
High Channel: 2480 (P.27)	1.023

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### EXHIBIT 4 EQUIPMENT LIST

#### 1) Radiated Emissions Test

Equipment	EMI Test Receiver (9kHz to 26.5GHz)	Biconical Antenna (30MHz to 300MHz)	Log Periodic Antenna
Registration No.	EW-3156	EW-3242	EW-3243
Manufacturer	ROHDESCHWARZ	EMCO	EMCO
Model No.	ESR26	3110C	3148B
Calibration Date	January 31, 2024	July 30, 2024	July 30, 2024
Calibration Due Date	May 01, 2025	July 30, 2026	January 30, 2026

Equipment	Double Ridged Guide Antenna (1GHz - 18GHz)	Active Loop Antenna (H-field) (9kHz to 30MHz)	RF Preamplifier (9kHz to 6000MHz)
Registration No.	EW-0194	EW-3326	EW-3006b
Manufacturer	EMCO	EMCO	SCHWARZBECK
Model No.	3115	6502	BBV9718
Calibration Date	May 10, 2023	January 05, 2024	October 20, 2023
Calibration Due Date	May 10, 2025	July 05, 2025	April 20, 2025

Equipment	2.4GHz Notch Filter	14m Double Shield RF Cable (9kHz - 6GHz)	RF Cable 14m (1GHz to 26.5GHz)
Registration No.	EW-3435	EW-2376	EW-2781
Manufacturer	MICROWAVE	RADIAL	GREATBILLION
Model No.	N0324413	n m/br56/bnc m 14m	SMA m/SHF5MPU /SMA m ra14m,26G
Calibration Date	September 26, 2023	September 19, 2023	January 16, 2024
Calibration Due Date	June 26, 2025	June 19, 2025	April 16, 2025

Equipment	12 metre RF Cable (1-40)GHz	Pyramidal Horn Antenna
Registration No.	EW-2774	EW-0905
Manufacturer	GREATBILLION	EMCO
Model No.	SMA m-m ra 12m 40G outdoor	3160-09
Calibration Date	January 16, 2024	December 15, 2023
Calibration Due Date	April 16, 2025	June 15, 2025

## TEST REPORT

### EXHIBIT 4 EQUIPMENT LIST (CONT'D)

#### 2) Conductive Measurement Test

Equipment	RF Power Meter with Power Sensor (N1921A)	EMI Test Receiver (9kHz to 26.5GHz)
Registration No.	EW-3309	EW-3156
Manufacturer	ROHDESCHWARZ	ROHDESCHWARZ
Model No.	NRP-Z81	ESR26
Calibration Date	January 23, 2024	January 31, 2024
Calibration Due Date	April 23, 2025	May 01, 2025

#### 3) Control Software for Radiated Emission

Software Information	
Software Name	EMC32
Manufacturer	ROHDESCHWARZ
Software version	10.50.40

END OF TEST REPORT