

2/F., Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong SAR, China.

Telephone: (852) 2173 8888 Facsimile: (852) 2785 5487

www.intertek.com

TEST REPORT

Report No.: 21101100HKG-001

Relish Technologies Limited

Application For Certification (Original Grant)

FCC ID: 2AKLEVELO2 IC: 27984-VELO2

Transceiver

Prepared and Checked by:

Approved by:

Signed On File Lee For Yiu, Florey Assistant Engineer

Wong Kwok Yeung, Kenneth Assistant Supervisor Date: January 26, 2022

Intertek's standard Terms and Conditions can be obtained at our website http://www.intertek.com/terms/.

The test report only allows to be revised within the retention period unless further standard or the requirement was noticed.

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.



GENERAL INFORMATION

Grantee: Relish Technologies Limited

Grantee Address: 211 The Printrooms, 164-180 Union Street,

London SE1 OLH, United Kingdom.

Contact Person: Tom Putnam

Tel: +44(0)7500 060198

Fax: N/A

e-mail: tom@beeline.com

Manufacturer: Relish Technologies Limited

Manufacturer Address: 211 The Printrooms, 164-180 Union Street,

London SE1 OLH, United Kingdom.

Brand Name:

Model / HVIN:

PMN:

VELO2

VELO2

Type of EUT: Transceiver

Description of EUT: Bike Navigation

Serial Number: N/A

FCC ID / IC: 2AKLEVELO2 / 27984-VELO2

Date of Sample Submitted: October 29, 2021

Date of Test: October 29, 2021 to November 24, 2021

 Report No.:
 21101100HKG-001

 Report Date:
 January 26, 2022

Environmental Conditions: Temperature: +10 to 40°C

Humidity: 10 to 90%

Conclusion: Test was conducted by client submitted sample. The submitted

sample as received complied with the 47 CFR Part 15 / RSS-210

Issue 10 Certification.



SUMMARY OF TEST RESULT

Test Specification	Reference	Results
Transmitter Power Line Conducted Emissions	15.207 /	Pass
	RSS-Gen 8.8	
Radiated Emission	15.249, 15.209 /	Pass
Radiated Emission on the Bandedge	RSS-210 B.10, RSS-210 4.4	
Radiated Emission in Restricted Bands	15.205 /	Pass
	RSS-210 4.1	

The equipment under test is found to be complying with the following standards: FCC Part 15, October 1, 2020 Edition RSS-210 Issue 10 Amendment 1, April 2020 RSS-Gen Issue 5 Amendment 2, February 2021

Note: 1. The EUT uses a permanently attached antenna which, in accordance to section 15.203, is considered sufficient to comply with the pervisions 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.



TABLE OF CONTENTS

1.0	GEN	ERAL DESCRIPTION	5
	1.1	Product Description	5
	1.2	Related Submittal(s) Grants	5
	1.3	Test Methodology	5
	1.4	Test Facility	5
2.0	SYST	EM TEST CONFIGURATION	6
	2.1	Justification	6
	2.2	EUT Exercising Software	6
	2.3	Special Accessories	
	2.4	Measurement Uncertainty	6
	2.5	Support Equipment List and Description	
3.0	EMIS	SSION RESULTS	
	3.1	Field Strength Calculation	7
	3.2	Radiated Emission Configuration Photograph	8
	3.3	Radiated Emission Data	
	3.4	Conducted Emission Configuration Photograph	
	3.5	Conducted Emission Data	
4.0		IPMENT PHOTOGRAPHS	
5.0	PRO	DUCT LABELLING	14
6.0	TECH	INICAL SPECIFICATIONS	14
7.0		RUCTION MANUAL	
8.0	MISC	CELLANEOUS INFORMATION	15
	8.1	Measured Bandwidth / Radiated Emission on the Bandedge	
	8.4	Emissions Test Procedures	
	8.5	Occupied Bandwidth	20
9.0	CON	FIDENTIALITY REQUEST	21
10 0	FΩ	HIPMENT LIST	21



1.0 GENERAL DESCRIPTION

1.1 Product Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver for a Bluetooth 5.0 navigation device. The sample is BLE only and operates at 1mbps. 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 3.7V Rechargeable battery. After switching on the EUT, it will show indicators and information on screen based on the switches pressed in the App.

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

Radiated emission measurements were 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 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 SAR, China. This test facility and site measurement data have been placed on file with the FCC and IC No. 2042H, CABID is "HKAP01".



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 new DC 3.7V (1 x 3.7V Rechargeable battery).

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 rear of unit shall be flushed with the rear of the table.

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

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. For these excepted or not mentioned standards, Cl 4.2.2 of ILAC-G8:09/2019 decision rules will be reference and guard band will be equal to our measurement uncertainty with 95% confidence level (k=2). In case, the measured value is within guard band region, undetermined decision will be used.

2.5 Support Equipment List and Description

N/A.



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 $FS = Field Strength in dB\mu V/m$

RA = Receiver Amplitude (including preamplifier) in $dB\mu V$

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 $FS = Field Strength in dB\mu V/m$

RR = RA - AG - AV in $dB\mu V$

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.

 $RA = 52.0 dB\mu V/m$

 $AF = 7.4 \ dB \qquad \qquad RR = 18.0 \ dB \mu V$ $CF = 1.6 \ dB \qquad \qquad LF = 9.0 \ dB$

AG = 29.0 dB AV = 5.0 dB FS = RR + LF

 $FS = 18 + 9 = 27 \, dB\mu V/m$

Level in $\mu V/m = Common Antilogarithm [(27 dB<math>\mu V/m)/20] = 22.4 \mu V/m$



3.2 Radiated Emission Configuration Photograph

The worst case in radiated emission was found at 34.141 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 3.0 dB

3.4 Conducted Emission Configuration Photograph

The worst case in line-conducted emission was found at 0.195 MHz

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 >20.0 dB



RADIATED EMISSIONS

Model: VELO2

Date of Test: November 24, 2021

Worst-Case Operating Mode: Transmitting

Table 1 Pursuant to FCC Part 15 Section 15.249 / RSS-210 B10.0 Requirement

Lowest Channel

					Net at		
			Pre-Amp	Antenna	3m -	Average Limit	
Polari-	Frequency	Reading	Gain	Factor	Average	at 3m	Margin
zation	(MHz)	(dBµV)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
V	2402.000	69.4	33	29.4	65.8	94.0	-28.2
V	4804.000	28.7	33	34.9	30.6	54.0	-23.4
V	7206.000	28.3	33	37.9	33.2	54.0	-20.8
Н	9608.000	28.5	33	40.4	35.9	54.0	-18.1
Н	12010.000	30.4	33	40.5	37.9	54.0	-16.1
V	14412.000	32.5	33	40.0	39.5	54.0	-14.5

			Pre-Amp	Antenna	Net at	Peak Limit	
Polari-	Frequency	Reading	Gain	Factor	3m - Peak	at 3m	Margin
zation	(MHz)	(dBµV)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
V	2402.000	86.9	33	29.4	83.3	114.0	-30.7
V	4804.000	34.7	33	34.9	36.6	74.0	-37.4
V	7206.000	45.6	33	37.9	50.5	74.0	-23.5
Н	9608.000	34.8	33	40.4	42.2	74.0	-31.8
Н	12010.000	36.5	33	40.5	44.0	74.0	-30.0
V	14412.000	39.0	33	40.0	46.0	74.0	-28.0

- 2. Average detector is applied according to ANSI C63.10.
- 3. All measurements were made at 3 meters.
- 4. Negative sign in the column shows value below limit.
- 5. Horn antenna is used for the emission over 1000MHz.
- 6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-210 4.1.
- 7. Measurement Uncertainty is ±5.3dB at a level of confidence of 95%.



Model: VELO2

Date of Test: November 24, 2021

Worst-Case Operating Mode: Transmitting

Table 2 Pursuant to FCC Part 15 Section 15.249 / RSS-210 B10.0 Requirement

Middle Channel

					Net at		
			Pre-Amp	Antenna	3m -	Average Limit	
Polari-	Frequency	Reading	Gain	Factor	Average	at 3m	Margin
zation	(MHz)	(dBµV)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
Н	2440.000	68.8	33	29.4	65.2	94.0	-28.8
V	4880.000	30.0	33	34.9	31.9	54.0	-22.1
V	7320.000	34.5	33	37.9	39.4	54.0	-14.6
V	9760.000	35.6	33	40.4	43.0	54.0	-11.0
Н	12200.000	35.8	33	40.5	43.3	54.0	-10.7
V	14640.000	42.6	33	38.4	48.0	54.0	-6.0

			Pre-Amp	Antenna	Net at	Peak Limit	
Polari-	Frequency	Reading	Gain	Factor	3m - Peak	at 3m	Margin
zation	(MHz)	(dBµV)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
Н	2440.000	84.9	33	29.4	81.3	114.0	-32.7
V	4880.000	35.5	33	34.9	37.4	74.0	-36.6
V	7320.000	50.7	33	37.9	55.6	74.0	-18.4
V	9760.000	42.0	33	40.4	49.4	74.0	-24.6
Н	12200.000	42.1	33	40.5	49.6	74.0	-24.4
V	14640.000	49.1	33	38.4	54.5	74.0	-19.5

- 2. Average detector is applied according to ANSI C63.10.
- 3. All measurements were made at 3 meters.
- 4. Negative sign in the column shows value below limit.
- 5. Horn antenna is used for the emission over 1000MHz.
- 6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-210 4.1.
- 7. Measurement Uncertainty is ±5.3dB at a level of confidence of 95%.



Model: VELO2

Date of Test: November 24, 2021

Worst-Case Operating Mode: Transmitting

Table 3

Pursuant to FCC Part 15 Section 15.249 / RSS-210 B10.0 Requirement

Highest Channel

						^	
					Net at	Average	
			Pre-Amp	Antenna	3m -	Limit	
Polari-	Frequency	Reading	Gain	Factor	Average	at 3m	Margin
zation	(MHz)	(dBµV)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
Н	2480.000	68.5	33	29.4	64.9	94.0	-29.1
Н	4960.000	28.2	33	34.9	30.1	54.0	-23.9
V	7440.000	27.3	33	37.9	32.2	54.0	-21.8
Н	9920.000	27.9	33	40.4	35.3	54.0	-18.7
V	12400.000	30.9	33	40.5	38.4	54.0	-15.6
V	14880.000	33.0	33	38.4	38.4	54.0	-15.6

			Pre-Amp	Antenna	Net at	Peak Limit	
Polari-	Frequency	Reading	Gain	Factor	3m - Peak	at 3m	Margin
zation	(MHz)	(dBµV)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
Н	2480.000	85.7	33	29.4	82.1	114.0	-31.9
Н	4960.000	34.0	33	34.9	35.9	74.0	-38.1
V	7440.000	44.9	33	37.9	49.8	74.0	-24.2
Н	9920.000	34.3	33	40.4	41.7	74.0	-32.3
V	12400.000	36.9	33	40.5	44.4	74.0	-29.6
V	14880.000	39.3	33	38.4	44.7	74.0	-29.3

- 2. Average detector is applied according to ANSI C63.10.
- 3. All measurements were made at 3 meters.
- 4. Negative sign in the column shows value below limit.
- 5. Horn antenna is used for the emission over 1000MHz.
- 6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205 / RSS-210 4.1.
- 7. Measurement Uncertainty is ±5.3dB at a level of confidence of 95%.



Model: VELO2

Date of Test: November 24, 2021

Worst-Case Operating Mode: Transmitting

Table 7 **Pursuant to FCC Part 15 Section 15.249 Requirement**

			Pre-	Antenna			
	Frequency	Reading	amp	Factor	Net at 3m	Limit at 3m	Margin
Polarization	(MHz)	(dBmV)	(dB)	(dB)	(dBµV/m)	(dBμV/m)	(dB)
V	30.853	37.7	16	10.0	31.7	40.0	-8.3
V	31.459	41.7	16	10.0	35.7	40.0	-4.3
V	34.141	43.0	16	10.0	37.0	40.0	-3.0
V	80.941	42.6	16	6.0	32.6	40.0	-7.4
V	118.966	25.3	16	14.0	23.3	43.5	-20.2
Н	163.450	33.7	16	17.0	34.7	43.5	-8.8

- 2. Average detector is applied according to ANSI C63.10.
- 3. All measurements were made at 3 meters.
- 4. Negative sign in the column shows value below limit.
- 5. Horn antenna is used for the emission over 1000MHz.
- 6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
- 7. Measurement Uncertainty is ±5.3dB at a level of confidence of 95%.

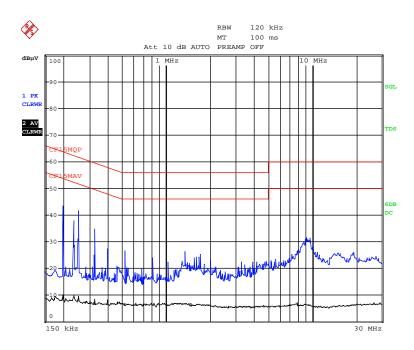


CONDUCTED EMISSION

Model: VELO2

Date of Test: November 24, 2021

Worst-Case Operating Mode: Charging and transmitting





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



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.



8.0 MISCELLANEOUS INFORMATION

The miscellaneous information includes details of the test procedure and measured bandwidth.

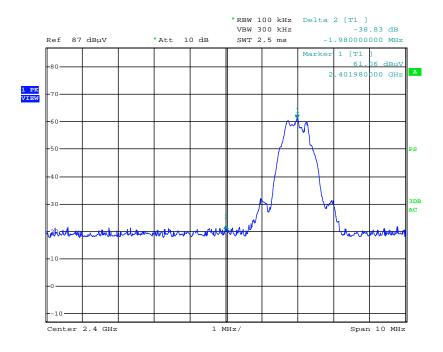
8.1 Radiated Emission on the Bandedge

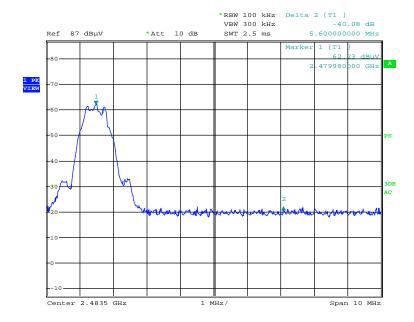
From the following plots, they show that the fundamental emissions are confined in the specified band (2400MHz to 2483.5MHz). In case of the fundamental emissions are within two standard bandwidths from the bandedge, the delta measurement technique is used for determining bandedge compliance. Standard 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 4.4, whichever is the lesser attenuation, which meet the requirement of part 15.249(d) / RSS-210 B.10.



PEAK MEASUREMENT





Date: 24.NOV.2021 09:42:44



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

=83.3 dBμV/m - 38.83 dB =44.47 dBμV/m

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

=65.8 dB μ V/m - 38.83 dB =26.97 dB μ V/m

Upper bandedge

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

 $=82.1 \text{ dB}\mu\text{V/m} - 40.08 \text{ dB}$ =42.02 dB\mu\/m

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

=64.9 dB μ V/m – 40.08 dB =24.82 dB μ V/m

The resultant field strength meets the general radiated emission limit in Section 15.209 / RSS-210 4.4, which does not exceed 74 dB μ V/m (Peak Limit) and 54 dB μ V/m (Average Limit).



8.2 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.

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).

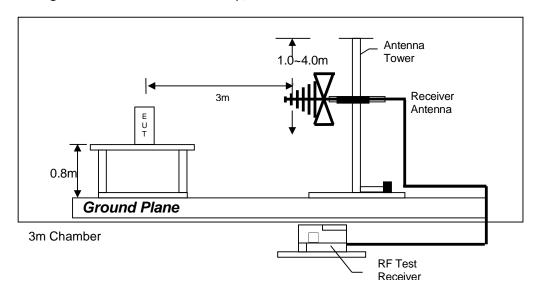
The IF bandwidth used for measurement of radiated signal strength was 100 kHz or greater when frequency is below 1000 MHz. Where pulsed transmissions of short enough pulse duration warrant, a greater bandwidth is selected according to the recommendations of Hewlett Packard Application Note 150-2. A discussion 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.

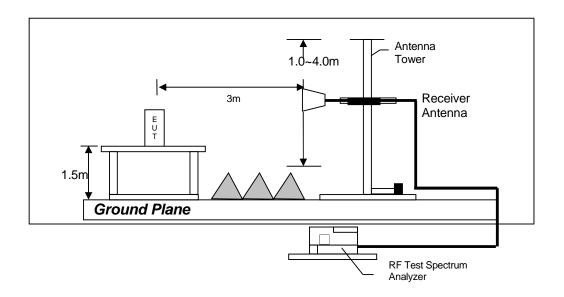


8.2.1 Radiated Emission Test Setup

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

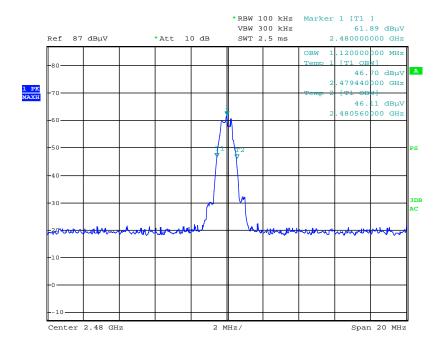


8.3 Occupied Bandwidth

Occupied Bandwidth Results:

	Occupied Bandwidth (kHz)
Low Channel: 2402	1080
Middle Channel: 2440	1120
High Channel: 2480	1120

The worst case is shown as below





9.0 CONFIDENTIALITY REQUEST

For electronic filing, a preliminary copy of the confidentiality request is saved with filename: request.pdf.

10.0 EQUIPMENT LIST

1) Radiated Emissions Test

Equipment	EMI Test Receiver (9kHz to 26.5GHz)	Spectrum Analyzer	Biconical Antenna (20MHz to 200MHz)
Registration No.	EW-3156	EW-2466	EW-3061
Manufacturer	ROHDESCHWARZ	ROHDESCHWARZ	EMCO
Model No.	ESR26	FSP30	3142E
Calibration Date	February 25, 2021	November 18, 2019	February 02, 2021
Calibration Due Date	February 25, 2022	August 18, 2022	August 02, 2022

Equipment	Log Periodic Antenna	Double Ridged Guide Antenna	Active Loop H-field (9kHz to 30MHz)
Registration No.	EW-3243	EW-1133	EW-3302
Manufacturer	EMCO	EMCO	EMCO
Model No.	3148B	3115	6502
Calibration Date	June 30, 2021	June 03, 2021	December 13, 2021
Calibration Due Date	December 30, 2022	June 03, 2022	June 13, 2023

Equipment	RF Preamplifier (9kHz to 6000MHz)	2.4GHz Notch Filter	14m Double Shield RF Cable (20MHz to 6GHz)
Registration No.	EW-3006b	EW-3435	EW-2074
Manufacturer	SCHWARZBECK	MICROWAVE	RADIALL
Model No.	BBV9718	N0324413	N(m)-RG142-BNC(m) L=14M
Calibration Date	November 25, 2019	November 16, 2019	November 14, 2019
Calibration Due Date	June 25, 2022	June 16, 2022	August 14, 2022

Equipment	Pyramidal Horn	
	Antenna	
Registration No.	EW-0905	
Manufacturer	EMCO	
Model No.	3160-09	
Calibration Date	July 23, 2019	
Calibration Due Date	June 23, 2022	



2) Conducted Emissions Test

Equipment	RF Cable 240cm (RG142) (9kHz to 30MHz)	Artificial Mains Network	EMI Test Receiver
Registration No.	EW-2454	EW-2501	EW-2500
Manufacturer	RADIALL	ROHDESCHWARZ	ROHDESCHWARZ
Model No.	Bnc m st / 142 / bnc mra 240cm	ENV-216	ESCI
Calibration Date	November 10, 2020	September 11, 2021	March 29, 2021
Calibration Due Date	February 10, 2022	September 11, 2022	March 29, 2022

3) Bandedge Measurement

Equipment	Spectrum Analyzer	5m RF Cable (40GHz)
Registration No.	EW-2466	EW-2701
Manufacturer	ROHDESCHWARZ	RADIALL
Model No.	FSP30	Sma m-m 5m 40G
Calibration Date	November 18, 2019	November 24, 2020
Calibration Due Date	August 18, 2022	February 24, 2022

END OF TEST REPORT