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TEST REPORT

FCC PART 15.247

Report Reference No.: CTL2207053062-WF01

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Product Name : Grace Link Internet Radio Device

Model/Type reference : GDI-WHAL01

List Model(s)..... : GDI-WHAL02

Trade Mark..... : gracedigital

FCC ID..... : 2AAUI-LINK

Applicant's name : Grace Digital Inc.

Address of applicant : Grace Digital Inc. 10531 4S Commons Drive #166, Suite #430,
San Diego, CA 92127

Test Firm..... : Shenzhen CTL Testing Technology Co., Ltd.

Address of Test Firm : Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road,
Nanshan District, Shenzhen, China 518055

Test specification..... :

Standard : **FCC Part 15.247:** Operation within the bands 902-928 MHz,
2400-2483.5 MHz and 5725-5850 MHz.

TRF Originator : Shenzhen CTL Testing Technology Co., Ltd.

Master TRF..... : Dated 2011-01

Date of receipt of test item : July.19, 2022

Date of Test Date..... : July.19, 2022- August.16, 2022

Date of Issue : August.17, 2022

Result..... : **Pass**

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TEST REPORT

Test Report No. : CTL2207053062-WF01	August.17, 2022 ----- Date of issue
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Equipment under Test : Grace Link Internet Radio Device

Sample No : CTL220705306-1-S001

Model /Type : GDI-WHAL01

Listed Models : GDI-WHAL02

Applicant : **Grace Digital Inc.**

Address : Grace Digital Inc. 10531 4S Commons Drive #166,
Suite #430, San Diego, CA 92127

Manufacturer : **Ming Le Electronics Factory**

Address : NO. 33 Lane 7, XinZhuangShe, LianTang, XinHua
Town, HuaDu District, GuangZhou, CHINA.

Test result	Pass *
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*In the configuration tested, the EUT complied with the standards specified page 5.

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.

** Modified History **

[illegible]

Table of Contents

Page

1. SUMMARY	5
1.1. TEST STANDARDS	5
1.2. TEST DESCRIPTION	5
1.3. TEST FACILITY	6
1.4. STATEMENT OF THE MEASUREMENT UNCERTAINTY	6
2. GENERAL INFORMATION	8
2.1. ENVIRONMENTAL CONDITIONS	8
2.2. GENERAL DESCRIPTION OF EUT	8
2.3. DESCRIPTION OF TEST MODES AND TEST FREQUENCY	9
2.4. EQUIPMENTS USED DURING THE TEST	10
2.5. RELATED SUBMITTAL(S) / GRANT (S)	10
2.6. MODIFICATIONS	10
3. TEST CONDITIONS AND RESULTS	11
3.1. CONDUCTED EMISSIONS TEST	11
3.2. RADIATED EMISSIONS AND BAND EDGE	14
3.3. MAXIMUM PEAK OUTPUT POWER	22
3.4. 20dB BANDWIDTH	23
3.5. FREQUENCY SEPARATION	24
3.6. NUMBER OF HOPPING FREQUENCY	25
3.7. TIME OF OCCUPANCY (DWELL TIME)	26
3.8. OUT-OF-BAND EMISSIONS	27
3.9. PSEUDORANDOM FREQUENCY HOPPING SEQUENCE	28
3.10. ANTENNA REQUIREMENT	29
4. TEST SETUP PHOTOS OF THE EUT	30
5. PHOTOS OF THE EUT	32

1. SUMMARY

1.1. TEST STANDARDS

The tests were performed according to following standards:

[FCC Rules Part 15.247](#): Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

[ANSI C63.10: 2013](#): American National Standard for Testing Unlicensed Wireless Devices

1.2. Test Description

FCC PART 15.247		
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 15.247(a)(1)(i)	20dB Bandwidth	PASS
FCC Part 15.247(d)	Spurious RF Conducted Emission	PASS
FCC Part 15.247(b)	Maximum Peak Output Power	PASS
FCC Part 15.247(b)	Pseudorandom Frequency Hopping Sequence	PASS
FCC Part 15.247(a)(1)(iii)	Number of hopping frequency& Time of Occupancy	PASS
FCC Part 15.247(a)(1)	Frequency Separation	PASS
FCC Part 15.205/15.209	Radiated Emissions	PASS
FCC Part 15.247(d)	Band Edge Compliance of RF Emission	PASS
FCC Part 15.203/15.247 (b)	Antenna Requirement	PASS

1.3. Test Facility

1.3.1 Address of the test laboratory

Shenzhen CTL Testing Technology Co., Ltd.

Floor 1-A, Baisha Technology Park, No. 3011, Shahexi Road, Nanshan, Shenzhen 518055 China

There is one 3m semi-anechoic chamber and two line conducted labs for final test. The Test Sites meet the requirements in documents ANSI C63.10 and CISPR 32/EN 55032 requirements.

1.3.2 Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L7497

Shenzhen CTL Testing Technology Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No. 4343.01

Shenzhen CTL Testing Technology Co., Ltd, EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

IC Registration No.: 9618B

CAB identifier: CN0041

The 3m alternate test site of Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements with Registration No.: 9618B on Jan. 22, 2019.

FCC-Registration No.: 399832

Designation No.: CN1216

Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 399832, December 08, 2017.

1.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the Shenzhen CTL Testing Technology Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CTL laboratory is reported:

Test	Measurement Uncertainty	Notes
Transmitter power conducted	± 0.57 dB	(1)
Transmitter power Radiated	± 2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	± 2.20 dB	(1)
Occupied Bandwidth	± 0.01 ppm	(1)
Radiated Emission 9KHz~30MHz	± 3.66 dB	(1)
Radiated Emission 30~1000MHz	± 4.10 dB	(1)
Radiated Emission Above 1GHz	± 4.32 dB	(1)

Conducted Disturbance0.15~30MHz	$\pm 3.20\text{dB}$	(1)
---------------------------------	---------------------	-----

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

2. GENERAL INFORMATION

2.1. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

2.2. General Description of EUT

Product Name:	Grace Link Internet Radio Device
Model/Type reference:	GDI-WHAL01
Power supply:	Input: 100-240V~, 50/60Hz, 1.0A
Bluetooth:	
Version:	Supported BR/EDR
Modulation:	GFSK
Operation frequency:	2402MHz~2480MHz
Channel number:	79
Channel separation:	1MHz
Antenna type:	PIFA Antenna
Antenna gain:	2.00dBi

Note1: For more details, please refer to the user's manual of the EUT.

Note2: Antenna gain provided by the applicant.

2.3. Description of Test Modes and Test Frequency

The Applicant provides communication tools software to control the EUT for staying in continuous transmitting (Duty Cycle more than 98%) and receiving mode for testing .There are 79 channels provided to the EUT and Channel 00/39/78 were selected to test.

Operation Frequency :

Channel	Frequency (MHz)
00	2402
01	2403
⋮	⋮
38	2440
39	2441
40	2442
⋮	⋮
77	2479
78	2480

Preliminary tests were performed in each mode and packet length of BT, and found worst case as bellow, finally test were conducted at those mode and recorded in this report.

Test Items	Worst case
Conducted Emissions	DH5 Middle channel
Radiated Emissions and Band Edge	DH5
Maximum Conducted Output Power	DH5/2DH5/3DH5
20dB Bandwidth	DH5/2DH5/3DH5
Frequency Separation	DH5/2DH5/3DH5 Middle channel
Number of hopping frequency	DH5/2DH5/3DH5
Time of Occupancy (Dwell Time)	DH1/DH3/DH5 Middle channel 2DH1/2DH3/2DH5 Middle channel 3DH1/3DH3/3DH5 Middle channel
Out-of-band Emissions	DH5/2DH5/3DH5

2.4. Equipments Used during the Test

Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
LISN	R&S	ESH2-Z5	860014/010	2022/05/07	2023/05/06
Double cone logarithmic antenna	Schwarzbeck	VULB 9168	824	2020/04/07	2023/04/06
Horn Antenna	Ocean Microwave	OBH100400	26999002	2019/11/28	2022/11/27
EMI Test Receiver	R&S	ESCI	1166.5950.03	2022/05/07	2023/05/06
Spectrum Analyzer	Agilent	E4407B	MY41440676	2022/05/07	2023/05/06
Spectrum Analyzer	Agilent	N9020A	US46220290	2022/05/07	2023/05/06
Spectrum Analyzer	Keysight	N9020A	MY53420874	2022/05/07	2023/05/06
Controller	EM Electronics	EM 1000	060859	2021/12/23	2024/12/22
Horn Antenna	Sunol Sciences Corp.	DRH-118	A062013	2021/05/13	2024/05/12
Active Loop Antenna	Da Ze	ZN30900A	/	2022/05/07	2023/05/06
Amplifier	Agilent	8449B	3008A02306	2022/05/06	2023/05/05
Amplifier	Agilent	8447D	2944A10176	2022/05/07	2023/05/06
Amplifier	Brief&Smart	LNA-4018	2104197	2022/05/07	2023/05/06
Temperature/Humidity Meter	Gangxing	CTH-608	02	2022/05/07	2023/05/06
Power Sensor	Agilent	U2021XA	MY55130004	2022/05/07	2023/05/06
Power Sensor	Agilent	U2021XA	MY55130006	2022/05/07	2023/05/06
Power Sensor	Agilent	U2021XA	MY54510008	2022/05/07	2023/05/06
Power Sensor	Agilent	U2021XA	MY55060003	2022/05/07	2023/05/06
Spectrum Analyzer	RS	FSP	1164.4391.38	2022/05/07	2023/05/06
Test Software					
Name of Software			Version		
TST-PASS			V1.1.0		
EZ_EMG(Below 1GHz)			V1.1.4.2		
EZ_EMG((Above 1GHz)			V1.1.4.2		

The calibration interval was one year

2.5. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.6. Modifications

No modifications were implemented to meet testing criteria.

3. TEST CONDITIONS AND RESULTS

3.1. Conducted Emissions Test

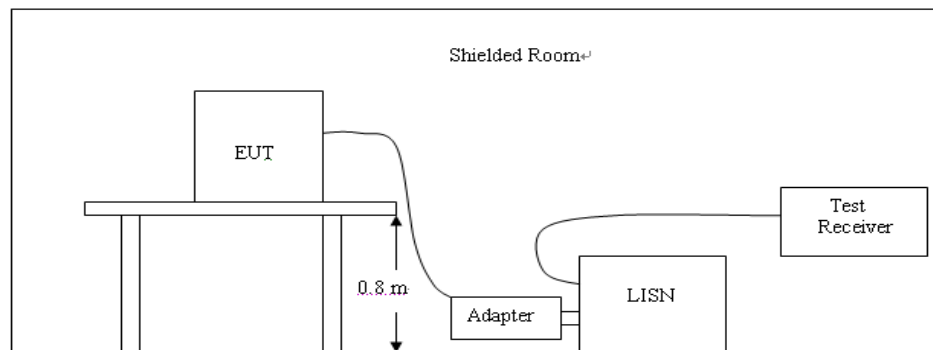
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST CONFIGURATION

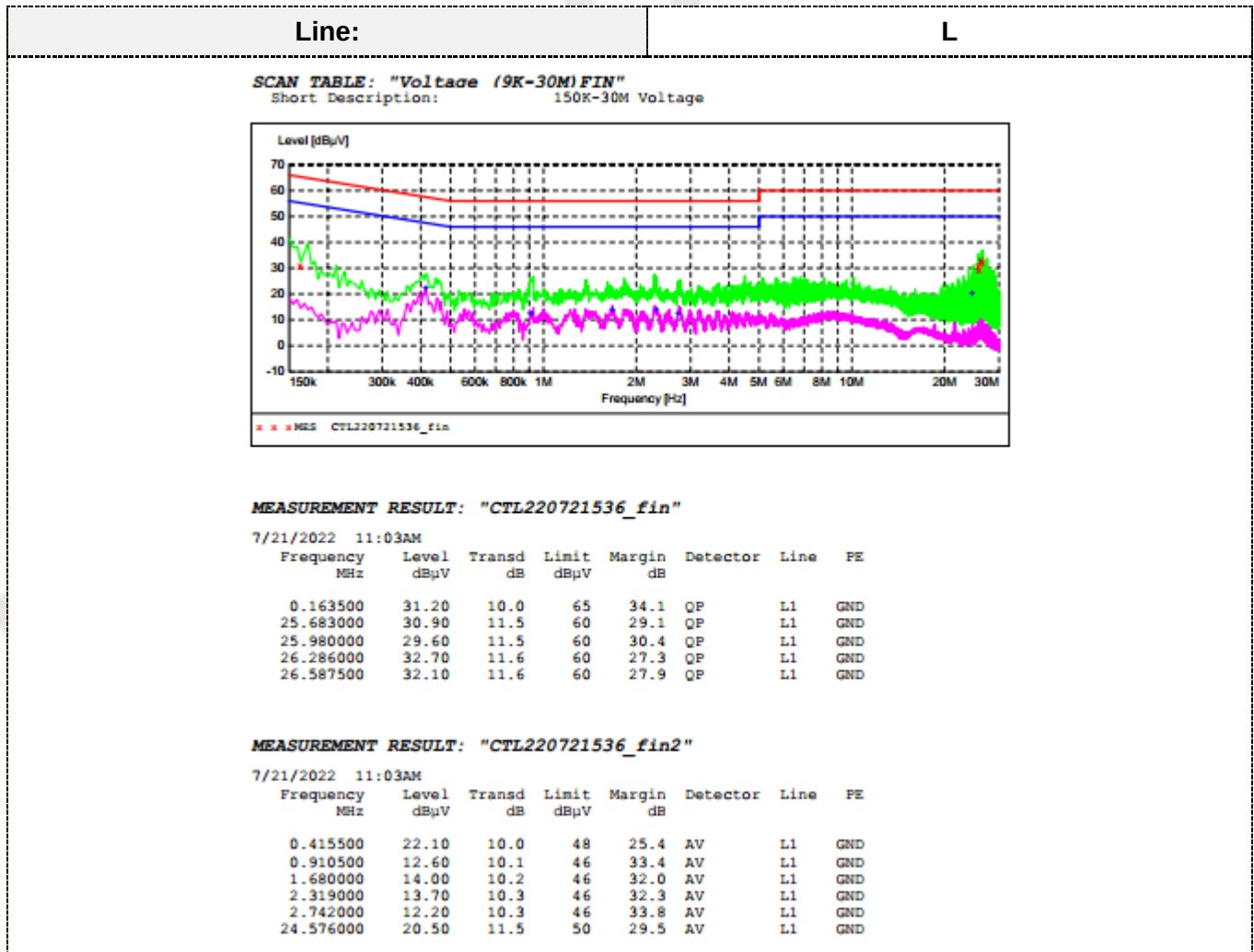


TEST PROCEDURE

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10:2013.
2. Support equipment, if needed, was placed as per ANSI C63.10:2013.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10:2013.
4. The adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5. All support equipments received AC power from a second LISN, if any.
6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.

TEST RESULTS

Remark: All modes of GFSK, Pi/4 DQPSK, and 8DPSK were test at Low, Middle, and High channel; only the worst result of GFSK Middle Channel was reported as below:

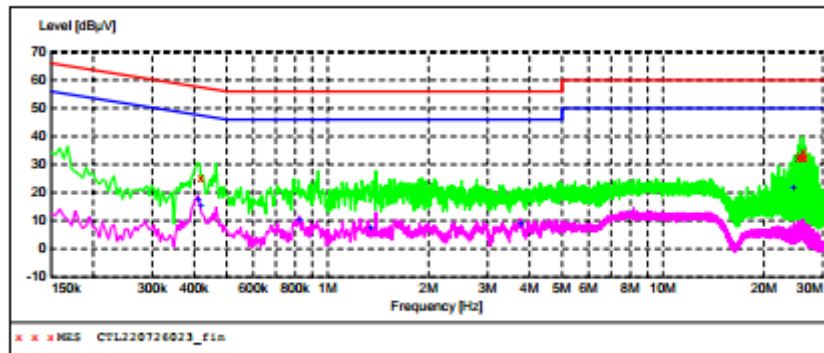


Line:

N

SCAN TABLE: "Voltage (9K-30M) FIN"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT: "CTL220726023_fin"**

7/26/2022 9:50AM

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	FE
0.420000	25.10	10.0	57	32.3	QP	N	GND
25.354500	32.10	11.5	60	27.9	QP	N	GND
25.647000	33.20	11.5	60	26.8	QP	N	GND
25.939500	32.20	11.5	60	27.8	QP	N	GND
26.250000	34.70	11.6	60	25.3	QP	N	GND
26.547000	32.40	11.6	60	27.6	QP	N	GND

MEASUREMENT RESULT: "CTL220726023_fin2"

7/26/2022 9:50AM

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	FE
0.411000	17.60	10.0	48	30.0	AV	N	GND
0.420000	15.50	10.0	47	31.9	AV	N	GND
0.825000	10.20	10.1	46	35.8	AV	N	GND
1.347000	7.40	10.2	46	38.6	AV	N	GND
3.768000	8.70	10.3	46	37.3	AV	N	GND
24.576000	21.90	11.5	50	28.1	AV	N	GND

3.2. Radiated Emissions and Band Edge

Limit

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission out of authorized band shall not exceed the following table at a 3 meters measurement distance.

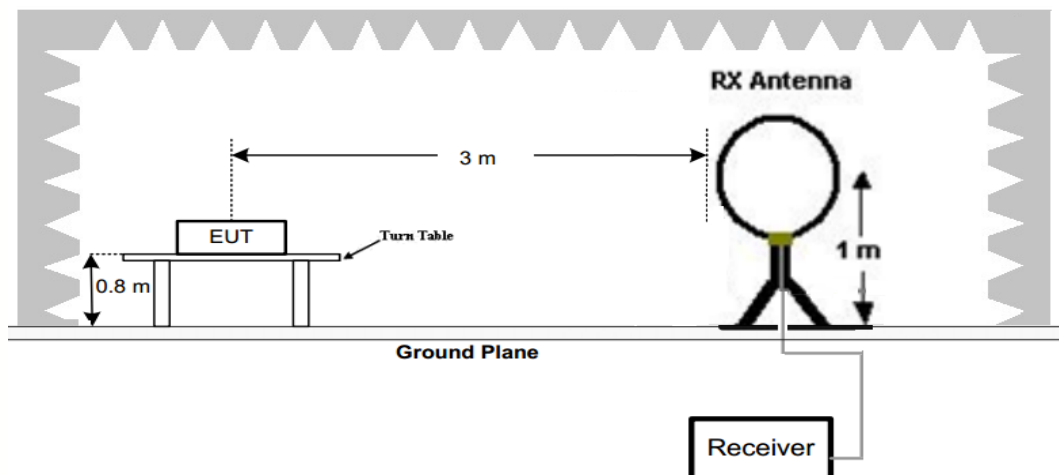
In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)

Radiated emission limits

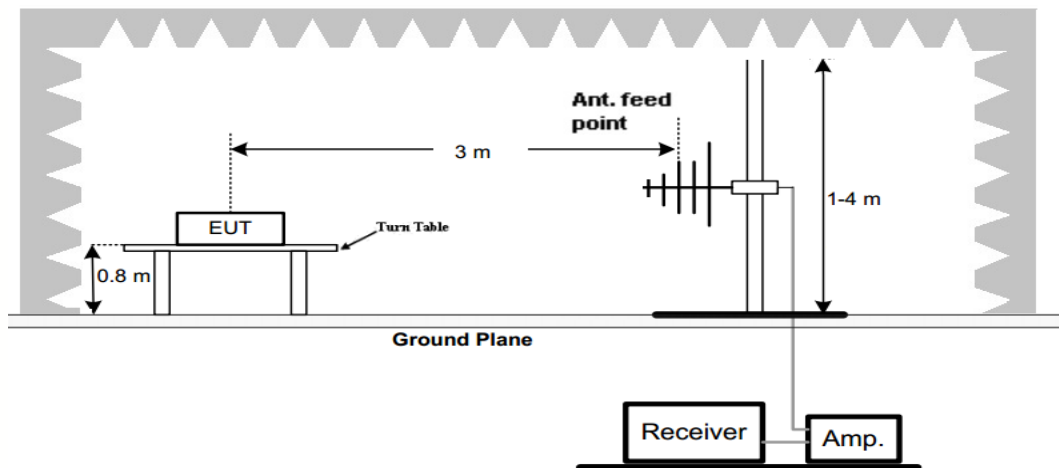
Frequency (MHz)	Distance (Meters)	Radiated (dB μ V/m)	Radiated (μ V/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz})) + 40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz})) + 40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30) + 40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

TEST CONFIGURATION

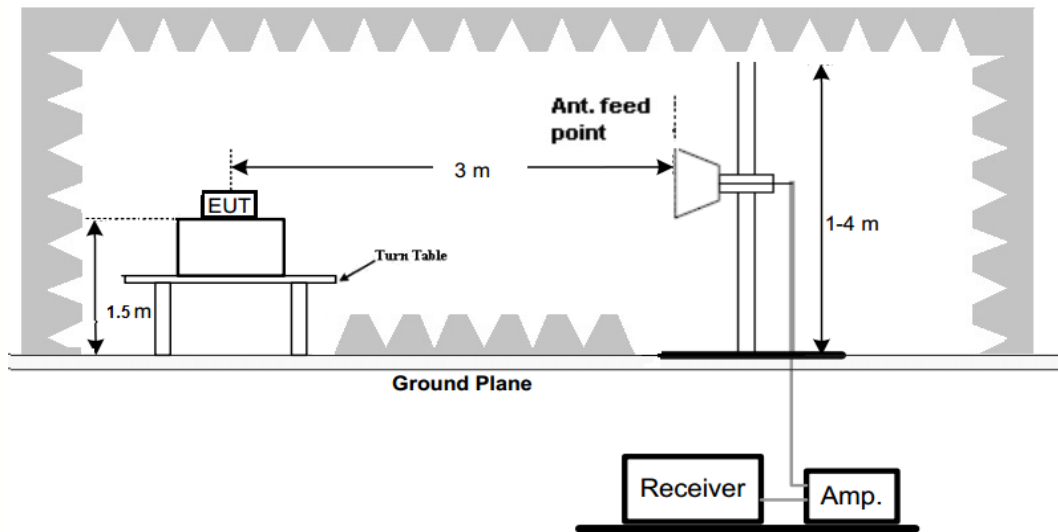
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



Test Procedure

1. Below 1GHz measurement the EUT is placed on a turntable which is 0.8m above ground plane, and above 1GHz measurement EUT was placed on a low permittivity and low loss tangent turn table which is 1.5m above ground plane.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.
5. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

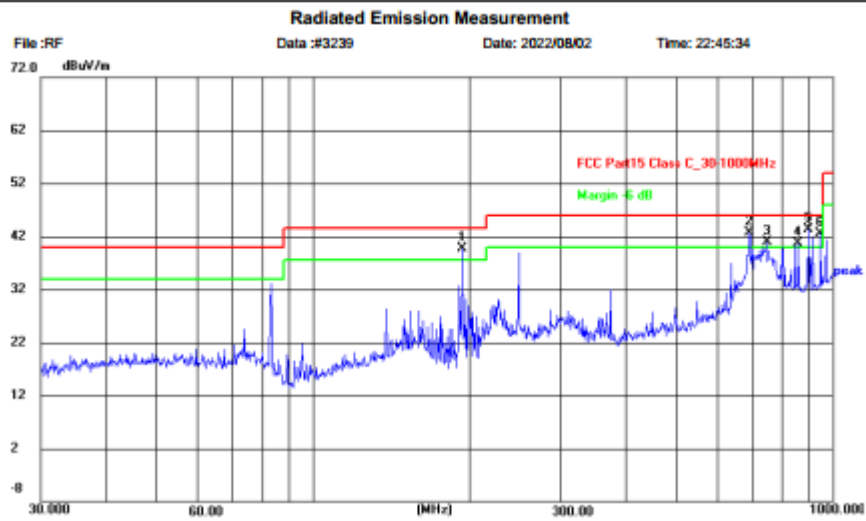
TEST RESULTS

Remark:

1. We measured Radiated Emission at GFSK, $\pi/4$ DQPSK and 8DPSK mode from 9 KHz to 25GHz and recorded worst case at GFSK DH5 mode..
2. For below 1GHz testing recorded worst at GFSK DH5 low channel.
3. Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, Found the emission level are attenuated 20dB below the limits from 9 kHz to 30MHz, so it does not recorded in report.

For 30MHz-1GHz

Horizontal



Site: LAB Chamber 2

Polarization: **Horizontal**

Temperature: 25(C)

Limit: FCC Part15 Class C_30-1000MHz

Power:

Humidity: 50 %

EUT: /

Distance: 3m

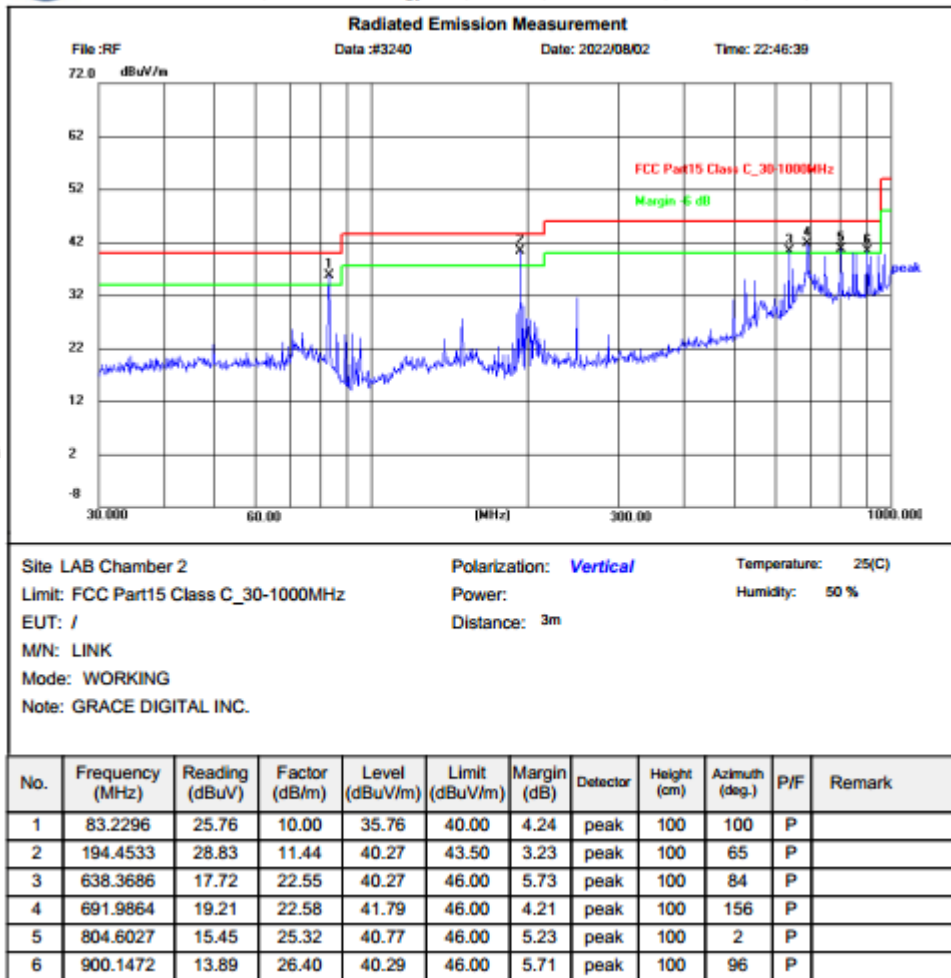
M/N: LINK

Mode: WORKING

Note: GRACE DIGITAL INC.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	194.4533	28.31	11.44	39.75	43.50	3.75	peak	100	56	P	
2	691.9864	20.13	22.58	42.71	46.00	3.29	peak	100	78	P	
3	750.1082	16.68	24.20	40.88	46.00	5.12	peak	100	256	P	
4	860.0351	14.67	26.12	40.79	46.00	5.21	peak	100	65	P	
5	900.1471	16.95	26.40	43.35	46.00	2.65	peak	100	5	P	
6	948.7608	15.67	26.78	42.45	46.00	3.55	peak	100	89	P	

Vertical



For 1GHz to 25GHz**GFSK (above 1GHz)**

Frequency(MHz):			2402		Polarity:			HORIZONTAL	
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
4804.00	47.25	PK	74.00	26.75	42.74	33.49	6.91	35.89	4.51
4804.00	--	AV	54.00	--	--	--	--	--	--
5537.00	46.33	PK	74.00	27.67	39.47	34.06	7.04	34.24	6.86
5537.00	--	AV	54.00	--	--	--	--	--	--
7206.00	44.81	PK	74.00	29.19	33.71	36.95	9.18	35.03	11.10
7206.00	--	AV	54.00	--	--	--	--	--	--

Frequency(MHz):			2402		Polarity:			VERTICAL	
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
4804.00	48.44	PK	74.00	25.56	43.93	33.49	6.91	35.89	4.51
4804.00	--	AV	54.00	--	--	--	--	--	--
5642.00	44.85	PK	74.00	29.15	37.99	34.06	7.04	34.24	6.86
5642.00	--	AV	54.00	--	--	--	--	--	--
7206.00	47.07	PK	74.00	26.93	35.97	36.95	9.18	35.03	11.10
7206.00	--	AV	54.00	--	--	--	--	--	--

Frequency(MHz):			2441		Polarity:			HORIZONTAL	
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
4882.00	48.56	PK	74.00	25.44	42.2	33.60	6.95	34.19	6.36
4882.00	--	AV	54.00	--	--	--	--	--	--
5787.00	44.77	PK	74.00	29.23	37.17	34.56	7.15	34.11	7.60
5787.00	--	AV	54.00	--	--	--	--	--	--
7323.00	46.23	PK	74.00	27.77	34.53	37.46	9.23	35.00	11.70
7323.00	--	AV	54.00	--	--	--	--	--	--

Frequency(MHz):			2441		Polarity:			VERTICAL	
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
4882.00	47.81	PK	74.00	26.19	41.45	33.60	6.95	34.19	6.36
4882.00	--	AV	54.00	--	--	--	--	--	--
5829.00	45.43	PK	74.00	28.57	37.83	34.56	7.15	34.11	7.60
5829.00	--	AV	54.00	--	--	--	--	--	--
7323.00	46.22	PK	74.00	27.78	34.52	37.46	9.23	35.00	11.70
7323.00	--	AV	54.00	--	--	--	--	--	--

Frequency(MHz):			2480		Polarity:			HORIZONTAL	
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
4960.00	49.43	PK	74.00	24.57	44.51	33.84	7.00	35.92	4.92
4960.00	--	AV	54.00	--	--	--	--	--	--
6402.00	45.85	PK	74.00	28.15	38.57	34.45	7.12	34.29	7.28
6402.00	--	AV	54.00	--	--	--	--	--	--
7440.00	46.23	PK	74.00	27.77	34.28	37.64	9.28	34.97	11.95
7440.00	--	AV	54.00	--	--	--	--	--	--

Frequency(MHz):			2480		Polarity:			VERTICAL	
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
4960.00	48.57	PK	74.00	25.43	43.65	33.84	7.00	35.92	4.92
4960.00	--	AV	54.00	--	--	--	--	--	--
6325.00	44.75	PK	74.00	29.25	37.47	34.45	7.12	34.29	7.28
6325.00	--	AV	54.00	--	--	--	--	--	--
7440.00	46.46	PK	74.00	27.54	34.51	37.64	9.28	34.97	11.95
7440.00	--	AV	54.00	--	--	--	--	--	--

REMARKS:

1. Emission level (dBuV/m) =Raw Value (dBuV)+Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
3. Margin value = Limit value- Emission level.
4. -- Mean the PK detector measured value is below average limit.
5. RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peak detector is for AV value.
6. Other emissions are attenuated 20dB below the limits from 9kHz to 30MHz, so it does not recorded in report.

Results of Band Edges Test (Radiated)**GFSK**

Frequency(MHz):			2402		Polarity:			HORIZONTAL	
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
2402.00	102.2	PK	--	--	68.81	28.78	4.61	0.00	33.39
2402.00	94.23	AV	--	--	60.84	28.78	4.61	0.00	33.39
2346.00	43.76	PK	74.00	30.24	10.68	28.52	4.56	0.00	33.08
2346.00	--	AV	54.00	--	--	--	--	--	--
2390.00	46.37	PK	74.00	27.63	13.05	28.72	4.60	0.00	33.32
2390.00	--	AV	54.00	--	--	--	--	--	--
2400.00	49.11	PK	--	--	15.72	28.78	4.61	0.00	33.39
2400.00	--	AV	--	--	--	--	--	--	--

Frequency(MHz):			2402		Polarity:			VERTICAL	
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
2402.00	102.63	PK	--	--	69.24	28.78	4.61	0.00	33.39
2402.00	94.44	AV	--	--	61.05	28.78	4.61	0.00	33.39
2357.00	43.12	PK	74.00	30.88	10.04	28.52	4.56	0.00	33.08
2357.00	--	AV	54.00	--	--	--	--	--	--
2390.00	46.76	PK	74.00	27.24	13.44	28.72	4.60	0.00	33.32
2390.00	--	AV	54.00	--	--	--	--	--	--
2400.00	48.35	PK	--	--	14.96	28.78	4.61	0.00	33.39
2400.00	--	AV	--	--	--	--	--	--	--

Frequency(MHz):			2480		Polarity:			HORIZONTAL	
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
2480.00	102.12	PK	--	--	68.5	28.92	4.70	0.00	33.62
2480.00	95.71	AV	--	--	62.09	28.92	4.70	0.00	33.62
2483.50	50.65	PK	74.00	23.35	17.02	28.93	4.70	0.00	33.63
2483.50	--	AV	54.00	--	--	--	--	--	--
2487.00	45.13	PK	74.00	28.87	11.47	28.95	4.71	0.00	33.66
2487.00	--	AV	54.00	--	--	--	--	--	--
2500.00	44.82	PK	74.00	29.18	11.14	28.96	4.72	0.00	33.68
2500.00	--	AV	54.00	--	--	--	--	--	--

Frequency(MHz):			2480		Polarity:			VERTICAL	
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
2480.00	102.78	PK	--	--	69.16	28.92	4.70	0.00	33.62
2480.00	95.31	AV	--	--	61.69	28.92	4.70	0.00	33.62
2483.50	49.46	PK	74.00	24.54	15.83	28.93	4.70	0.00	33.63
2483.50	--	AV	54.00	--	--	--	--	--	--
2489.00	45.79	PK	74.00	28.21	12.13	28.95	4.71	0.00	33.66
2489.00	--	AV	54.00	--	--	--	--	--	--
2500.00	43.41	PK	74.00	30.59	9.73	28.96	4.72	0.00	33.68
2500.00	--	AV	54.00	--	--	--	--	--	--