

TEST REPORT

FCC PART 15 SUBPART C 15.247

Report Reference	No	: (CTL2207053063-WF01
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Compiled by: (position+printed name+signature)

Tested by:
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ry Ga

Ivan Nie

Product Name : Mondo Elite Classic Smart Internet Radio

Model/Type reference: GDI-WHA8005

List Model(s).....: GDI-WHA8021

Trade Mark....: gracedigital

FCC ID 2AAUI-MONDOCLASSIC

Applicant's name Grace Digital Inc.

Address of applicant : 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 47 CFR FCC Part 15 Subpart C 15.247

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

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

 Date of receipt of test item:
 Jul. 25, 2022

 Date of sampling
 Jul. 25, 2022

Date of Issue: Aug. 31, 2022

Result Pass

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TEST REPORT

Test Report No.:	CTL2207053063-WF01	Aug. 31, 2022
	C1L220/053063-WF01	Date of issue

Equipment under Test : Mondo Elite Classic Smart Internet Radio

Sample No. CTL220705306-3-S001(Normal sample)

CTL220705306-3-S002(Engineer sample)

Report No.: CTL2207053063-WF01

Model /Type : GDI-WHA8005

Listed Models : GDI-WHA8021

Applicant : Grace Digital Inc.

Address : 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 *
-------------	--------

^{*} 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 **

Report No.: CTL2207053063-WF01

Description	Issued Data	Report No.	Remark
Initial Test Report Release	2022-08-31	CTL2207053063-WF01	Tracy Qi
	0.	-	-
	- 70	4 6	
	14		
-			
	287		- 40 1
- W	2		(m) 100
4 M +			- W
W 4 W			A 100

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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 558074 D01 15.247 Meas Guidance v05r02: Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spreda Spectrum System, and Hybrid System Devices Operating Under Section 15.247 of the FCC Rules

1.2. Test Description

FCC PART 15.247		
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 15.247(a)(2)	6dB Bandwidth	PASS
FCC Part 15.247(d)	Spurious RF Conducted Emission	PASS
FCC Part 15.247(b)	Maximum Conducted Output Power	PASS
FCC Part 15.247(e)	Power Spectral Density	PASS
FCC Part 15.205/ 15.209	Radiated Emissions	PASS
FCC Part 15.247(d)	Band Edge	PASS
FCC Part 15.203/15.247 (b)	Antenna Requirement	PASS

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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	±0.01ppm	(1)
Power Spectral Density	±2.20 dB	(1)
Radiated Emission 9KHz ~30MHz	±3.40dB	(1)

Radiated Emission 30~1000MHz	±4.10dB	(1)
Radiated Emission Above 1GHz	±4.32dB	(1)
Conducted Disturbance0.15~30MHz	±3.20dB	(1)

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

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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:	Mondo Elite Classic Smart Internet Radio	
Model/Type reference:	GDI-WHA8005	00
Power supply:	DC 18V from adapter	10 11
Adapter information:	Model No: GM42-180220-1A Input: AC 100-240V 50/60Hz 1.5A Output: 18V===2.0A	
Hardware version:	V1.0	
Software version:	V1.0	
WIFI:		
Supported type:	802.11b/802.11g/802.11n(H20)/802.11n(H40)	
Modulation:	802.11b: DSSS 802.11g/802.11n(H20)/802.11n(H40):OFDM	
Operation frequency:	802.11b/802.11g/802.11n(H20): 2412MHz~2462MHz 802.11n(H40):2422MHz~2452MHz	
Channel number:	802.11b/802.11g/802.11n(H20): 11 802.11n(H40):7	
Channel separation:	5MHz	
Antenna type:	External Antenna	
Antenna1 gain:	5.29dBi	1
Antenna2 gain:	5.29dBi	. 0 0
MIMO:	Not support	11 11

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

2.3. Description of Test Modes and Test Frequency

The Applicant provides communication tools software (CMD Command) to control the EUT for staying in continuous transmitting (Duty Cycle more than 98%) and receiving mode for testing.

There are 11 channels provided to the EUT and Channel 01/06/11 were selected for 802.11b/802.11g/802.11n(H20)/test. Channel 03/06/09 were selected for 802.11n(H40) test.

Operation Frequency WIFI:

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432		
6	2437		
7	2442		

Note: The line display in grey were the channel selected for testing

Data Rate Used:

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Channel
Maximum Conducted Output Power Power Spectral Density 6dB Bandwidth Spurious RF conducted emission Radiated Emission 9kHz~1GHz& Radiated Emission 1GHz~10th Harmonic	11b/DSSS	1 Mbps	1/6/11
	11g/OFDM	6 Mbps	1/6/11
	11n(20MHz)/OFDM	6.5Mbps	1/6/11
Band Edge	11b/DSSS	1 Mbps	1/11
	11g/OFDM	6 Mbps	1/11
	11n(20MHz)/OFDM	6.5Mbps	1/11
	11n(40MHz)/OFDM	6.5Mbps	3/9

Power setting during the test:

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Power Parameters:

	Test Software Version		Test Command	
Antenna ID	Frequency	2412/2422MHz	2437MHz	2452/2462MHz
	802.11b power level	13	13	13
1	802.11g power level	12	12	12
'	802.11n(Ht20) power level	12	12	12
	802.11n(Ht40) power level	12	12	12
	802.11b power level	13	13	13
2	802.11g power level	12	12	12
2	802.11n(Ht20) power level	12	12	12
	802.11n(Ht40) power level	12	12	12

2.4. Equipments Used during the Test

				•	
Test Equipment	Manufacturer	nufacturer Model 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	Antenna Ocean OBH100400		26999002	2019/11/28	2022/11/27
EMI Test Receiver	R&S	ESCI	1166.5950.0 3	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	N902	:0A	MY53420874	2022/05/07	2023/05/06	
Horn Antenna	Sunol Sciences Corp.	DRH-	118	A062013	2021/12/23	2024/12/22	
Active Loop Antenna	Da Ze	ZN309	00A	1	2021/05/13	2024/05/12	
Amplifier	Agilent	8449	9B	3008A02306	2022/05/07	2023/05/06	
Amplifier	Agilent	8447	D	2944A10176	2022/05/06	2023/05/05	
Amplifier	Brief&Smart	LNA-4	018	2104197	2022/05/07	2023/05/06	
Temperature/Humi dity Meter	Ji Yu	MC501		/	2022/05/07	2023/05/06	
Power Sensor	Agilent	U2021	1XA	MY55130004	2022/05/07	2023/05/06	
Power Sensor	Agilent	U202 ²	1XA	MY55130006	2022/05/07	2023/05/06	
Power Sensor	Agilent	U2021	1XA	MY54510008	2022/05/07	2023/05/06	
Power Sensor	Agilent	U2021	1XA	MY55060003	2022/05/07	2023/05/06	
Spectrum Analyzer	RS	FSI)	1164.4391.3 8	2022/05/07	2023/05/06	
RF Cable	Megalon	RF-A	303	N/A	2022/05/07	2023/05/06	
RF Control Unit	Tonsecnd	JS080)6-2	20J8060323	2022/05/07	2023/05/06	
Test Software				40 1			
Name	of Software		Version				
JS	S1120-3		2.6.880341				
EZ_EMC	(Below 1GHz)		V1.1.4.2				
EZ_EMC	((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.

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3. TEST CONDITIONS AND RESULTS

3.1. Conducted Emissions Test

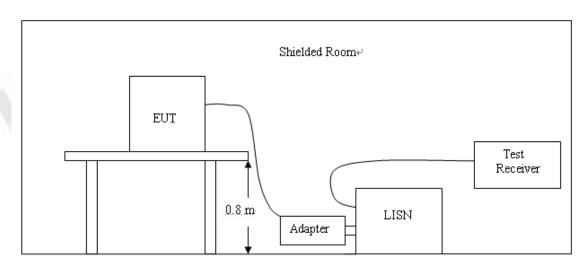
LIMIT

According to FCC CFR Title 47 Part 15 Subpart C Section 15.207 and RSS Gen 8.8, AC Power Line Conducted Emissions Limits for Licence-Exempt Radio Apparatus as below:

Fraguency range (MHz)	Limit (d	IBuV)
Frequency range (MHz)	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

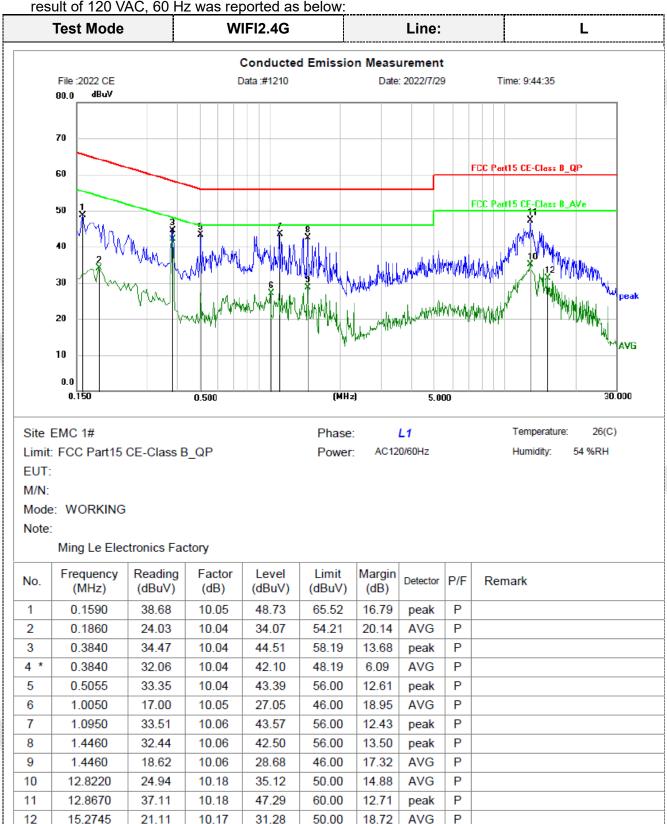
- 1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10:2013.
- 2. Support equipment, if needed, was placed 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.

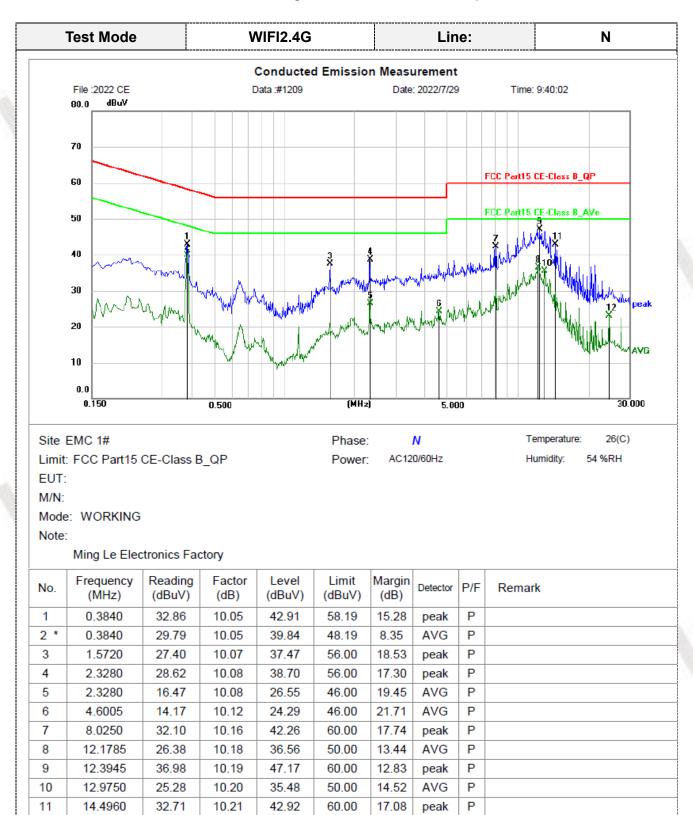
TEST RESULTS

Remark:

- 1. Both WIFI antenna1 and antenna2 have been tested, only the worst result of WIFI antenna1 was reported as below:
- 2. All modes of 802.11b/g/n were tested at Low, Middle, and High channel; only the worst result of 11N20 CH01 was reported as below:

3. Both 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz power supply have been tested, only the worst result of 120 VAC, 60 Hz was reported as below:





Ρ

AVG

Remark: Level(dBuV)=Reading(dBuV) + Factor(dB)
Margin=Limit(dBuV/m)- Level(dBuV/m)

12.86

10.22

23.08

50.00

26.92

24.5760

12

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)

For intentional device, according to RSS-Gen section 8.9, 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.

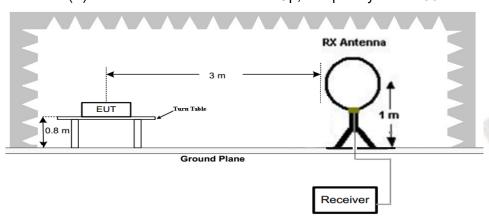
In addition, radiated emissions which fall in the restricted bands, as defined in RSS-Gen section 8.10, must also comply with the radiated emission limits specified in RSS-Gen section 8.9

D :: 1		1
Padiated	amiccian	limite
Radiated	CHIOSIOH	IIIIIIIII

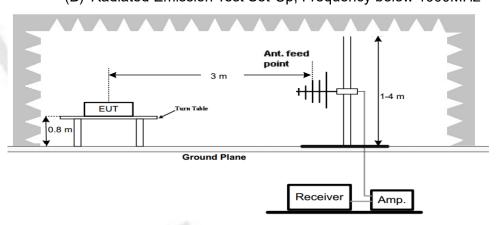
radiated emission limits								
Frequency (MHz)	Distance (Meters)	Radiated (dBµV/m)	Radiated (µV/m)					
0.009-0.49	3	20log(2400/F(KHz))+40log(300/3)	2400/F(KHz)					
0.49-1.705	3	20log(24000/F(KHz))+ 40log(30/3)	24000/F(KHz)					
1.705-30	3	20log(30)+ 40log(30/3)	30					
30-88	3	40.0	100					
88-216	3	43.5	150					
216-960	3	46.0	200					
Above 960	3	54.0	500					

TEST CONFIGURATION

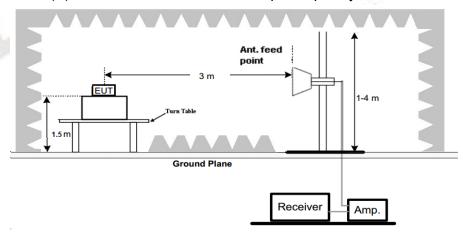
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(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°C to 360°C 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. Radiated emission test frequency band from 9KHz to 25GHz.
- 6. The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Bilog Antenna	3
1GHz-18GHz	Horn Antenna	3
18GHz-25GHz	Horn Anternna	1

7. Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz,Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz,Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz,Sweep time=Auto	QP
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

TEST RESULTS

Remark:

- Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, and The emission levels from 9kHz to 30MHz are attenuated 20dB below the limit and not recorded in report.
- 2. For below 1GHz measurement, all three channels (lowest/middle/highest) of each mode were tested and recorded worst case at antenna1 11N20 channel 01.
- 3. For above 1GHz measurement, all three channels (lowest/middle/highest) of each mode were tested and recorded worst case at 11N20 mode.

Test mode: WIFI Polarization: Horizontal Radiated Emission Measurement File:RE 2022 Data:#9091 Date: 2022/08/01 Time: 11:33:55 dBuV/m 90.0 80 70 60 FCC Part15 RE-Class B_30-1000NHz 50 40 30

Site CTL 966 Chamber 1

Limit: FCC Part15 RE-Class B_30-1000MHz

60.00

EUT:

20

10

0 -10 30.000

M/N: Mondo Elite Classic Mode: WORKING

Note:

Company name: Grace Digital Inc.

Pola

Power: AC120/60Hz

Distance: 3m

(MHz)

larizatio	on: Horizontal	Temperature:	25(C)
wer:	AC120/60Hz	Humidity:	50 %

1000.000

300.00

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	194.4534	60.71	-17.02	43.69	43.50	-0.19	peak	100	106	F	
2	196.2734	58.24	-17.14	41.10	43.50	2.40	QP	100	106	Р	
3	205.6750	57.72	-17.34	40.38	43.50	3.12	peak	100	118	Р	
4	221.3921	59.23	-16.77	42.46	46.00	3.54	peak	100	221	Р	
5	242.5252	57.63	-16.19	41.44	46.00	4.56	peak	100	136	Р	
6	294.9118	54.61	-15.21	39.40	46.00	6.60	QP	100	149	Р	
7	295.1468	58.95	-15.21	43.74	46.00	2.26	peak	100	149	Р	
8	341.9786	55.23	-14.06	41.17	46.00	4.83	peak	100	75	Р	

Test mode:

File: RE 2022

90.0

80

70

60

50

40

30

20

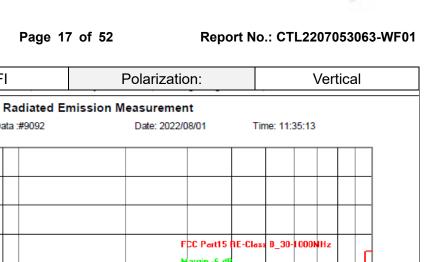
10

0 -10 30.000

dBuV/m

WIFI

Data:#9092



Temperature:

Ρ

146

Humidity:

1000.000

25(C)

50 %

Site CTL 966 Chamber 1

YOUR DOWN

Limit: FCC Part15 RE-Class B_30-1000MHz

EUT: Distance: 3m

-9.61

35.23

60.00

M/N: Mondo Elite Classic

541.3725

Mode: WORKING

Note:

Note.												
Company name: 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	45.2166	47.67	-15.43	32.24	40.00	7.76	peak	100	87	Р		
2	61.3463	50.37	-16.29	34.08	40.00	5.92	peak	100	293	Р		
3	66.7325	51.02	-17.22	33.80	40.00	6.20	peak	100	338	Р		
4	137.9028	49.96	-14.08	35.88	43.50	7.62	peak	100	316	Р		
5	167.2368	51.47	-13.55	37.92	43.50	5.58	peak	100	127	Р		

46.00

10.77

peak

100

(MHz)

Power:

Polarization:

300.00

Vertical

AC120/60Hz

Remark: Level(dBuV/m)=Reading(dBuV)+Factor(dB/m) Margin= Limit(dBuV/m)- Level(dBuV/m)

44.84

For 1GHz to 25GHz

Antenna 1

Freque	ncy(MHz):	241	12	Polarity:			HORIZONTAL	
Frequency (MHz)	Emiss Leve (dBuV	el	Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
4824.00	56.74	PK	74	17.26	69.68	33.52	6.92	53.38	-12.94
4824.00	52.12	AV	54	1.88	65.06	33.52	6.92	53.38	-12.94
7236.00	47.29	PK	74	26.71	54.18	37.10	9.19	53.18	-6.89
7236.00		AV	54						

Freque	ncy(MHz	:):	241	2		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)	
4824.00	52.57	PK	74	21.43	65.51	33.52	6.92	53.38	-12.94	
4824.00		AV	54							
7236.00	46.08 PK		74	27.92	52.97	37.10	9.19	53.18	-6.89	
7236.00	AV		54				754			

Freque	Frequency(MHz):			37	I	Polarity:		HORIZONTAL		
Frequency (MHz)	Emission Level (dBuV/m)		Limit Margin (dBuV/m) (dB)		Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)	
4874.00	51.20 PK		74	22.80	64.00	33.59	6.95	53.34	-12.80	
4874.00	ı	AV	54	-						
7311.00	47.19 PK		74	26.81	53.72	37.44	9.22	53.19	-6.53	
7311.00	AV		54	-						

Freque	ncy(MHz):	243	37		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)	
4874.00	48.00	PK	74	26.00	60.80	33.59	6.95	53.34	-12.80	
4874.00	AV		54							
7311.00	49.52 PK		74	24.48	56.05	37.44	9.22	53.19	-6.53	
7311.00		AV	54				1.55			

Freque	Frequency (MHz):			62		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)	
4924.00	52.46 PK		74	21.54	65.06	33.71	6.98	53.29	-12.60	
4924.00	AV		54							
7386.00	46.77 PK		74	27.23	53.10	37.61	9.25	53.19	-6.33	
7386.00	AV		54	e60						

Freque	ncy(MHz):	246	52		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)	
4924.00	50.24	PK	74	23.76	62.84	33.71	6.98	53.29	-12.60	
4924.00		AV	54			Anna				
7386.00	48.10 PK		74	25.90	54.43	37.61	9.25	53.19	-6.33	
7386.00		AV	54							

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. Other emission levels are attenuated 20dB below the limit and not recorded in report.
- 6. RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peak detector is for AV value.

Antenna 2

Freque	Frequency(MHz):			12	ı	Polarity:		HORIZONTAL		
Frequency (MHz)	Emission Level (dBuV/m)		Limit Margin (dBuV/m) (dB)		Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)	
4824.00	55.69 PK		74	18.31	68.63	33.52	6.92	53.38	-12.94	
4824.00	51.13 AV		54	2.87	64.07	33.52	6.92	53.38	-12.94	
7236.00	45.67 PK		74	28.33	52.56	37.10	9.19	53.18	-6.89	
7236.00	AV		54							

Freque	ncy(MHz	:):	241	12	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)	
4824.00	51.83 PK		74	22.17	64.77	33.52	6.92	53.38	-12.94	
4824.00		AV	54							
7236.00	45.04 PK		74	28.96	51.93	37.10	9.19	53.18	-6.89	
7236.00	AV		54							

Freque	ncy(MHz):	243	37	ı	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)	
4874.00	51.89 PK		74	22.11	64.69	33.59	6.95	53.34	-12.80	
4874.00		AV	54							
7311.00	48.68 PK		74	25.32	55.21	37.44	9.22	53.19	-6.53	
7311.00	AV		54							

Freque	Frequency(MHz):			37	I	Polarity:		VERTICAL		
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)			Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)	
4874.00	50.20 PK		74	23.80	63.00	33.59	6.95	53.34	-12.80	
4874.00		AV	54							
7311.00	46.96 PK		74	27.04	53.49	37.44	9.22	53.19	-6.53	
7311.00	AV		54	1	I			1		

Freque	ncy (MHz	<u>z</u>):	246	62		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)	
4924.00	52.38 PK		74	21.62	64.98	33.71	6.98	53.29	-12.60	
4924.00	AV		54							
7386.00	48.21 PK		74	25.79	54.54	37.61	9.25	53.19	-6.33	
7386.00	AV		54							

Freque	ncy(MHz):	246	52		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)	
4924.00	50.54	PK	74	23.46	63.14	33.71	6.98	53.29	-12.60	
4924.00		AV	54	-		1000				
7386.00	46.15 PK		74	27.85	52.48	37.61	9.25	53.19	-6.33	
7386.00		AV	54	-						

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. Other emission levels are attenuated 20dB below the limit and not recorded in report.
- 6. RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peak detector is for AV value.

Temperature:

Humidity:

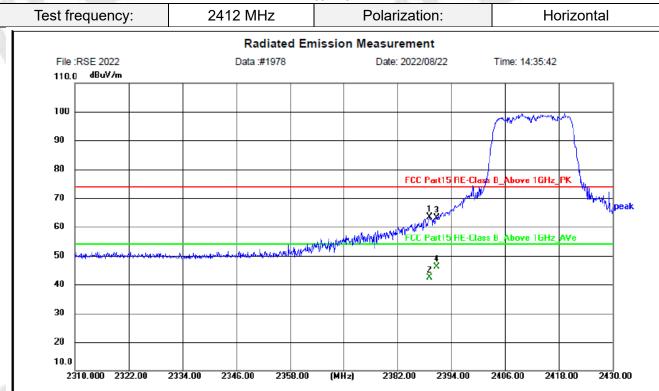
25(C)

50 %

Results of Band Edges Test (Radiated)

Note: 802.11b/802.11g/802.11n (H20) /802.11n (H40) all have been tested, only worse case 802.11n (H20) and 802.11n (H40) mode was reported.

Antenna 1



Site CTL 966 Chamber 1

Limit: FCC Part15 RE-Class B_Above 1GHz_PK

EUT:

M/N: Mondo Elite Classic Mode: WORKING Note: 2412 ANT1

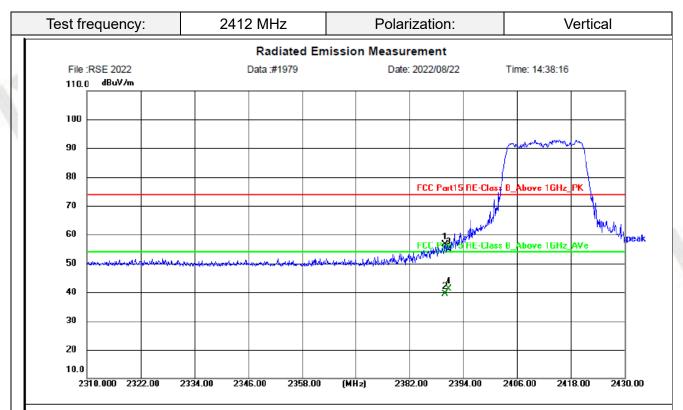
Company name: Grace Digital Inc.

	•										
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2388.395	68.03	-4.70	63.33	74.00	10.67	peak	149	360	Р	
2	2388.395	47.07	-4.70	42.37	54.00	11.63	AVG	149	360	Р	
3	2390.000	67.87	-4.69	63.18	74.00	10.82	peak	149	360	Р	
4	2390.000	50.81	-4.69	46.12	54.00	7.88	AVG	149	360	Р	

Power:

Distance: 3m

Polarization: Horizontal



Site CTL 966 Chamber 1 Polarization: Vertical Temperature: 25(C)

Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity: 50 %

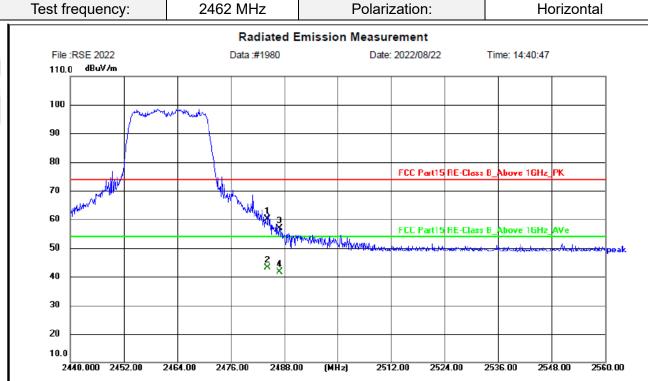
EUT: Distance: 3m

M/N: Mondo Elite Classic Mode: WORKING

Note: 2412 ANT1

	No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
	1	2389.242	61.41	-4.70	56.71	74.00	17.29	peak	149	0	Р	
	2	2389.242	44.12	-4.70	39.42	54.00	14.58	AVG	149	0	Р	
	3	2390.000	59.55	-4.69	54.86	74.00	19.14	peak	149	0	Р	
Γ	4	2390.000	45.91	-4.69	41.22	54.00	12.78	AVG	149	0	Р	

Report No.: CTL2207053063-WF01
tion: Horizontal



Site CTL 966 Chamber 1 Polarization: Horizontal Temperature: 25(C)

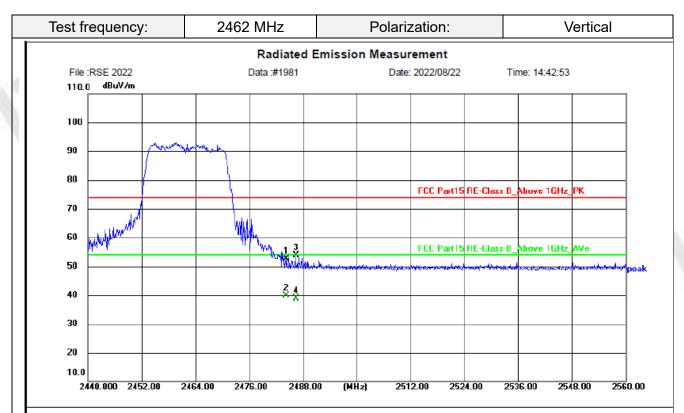
Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity: 50 %

EUT: Distance: 3m

M/N: Mondo Elite Classic Mode: WORKING Note: 2462 ANT1

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	2483.500	64.68	-4.45	60.23	74.00	13.77	peak	149	360	Р	
2	2483.500	47.56	-4.45	43.11	54.00	10.89	AVG	149	360	Р	
3	2486.235	61.27	-4.45	56.82	74.00	17.18	peak	149	360	Р	
4	2486.235	46.10	-4.45	41.65	54.00	12.35	AVG	149	360	Р	

25(C)



Site CTL 966 Chamber 1 Polarization: Vertical Temperature:

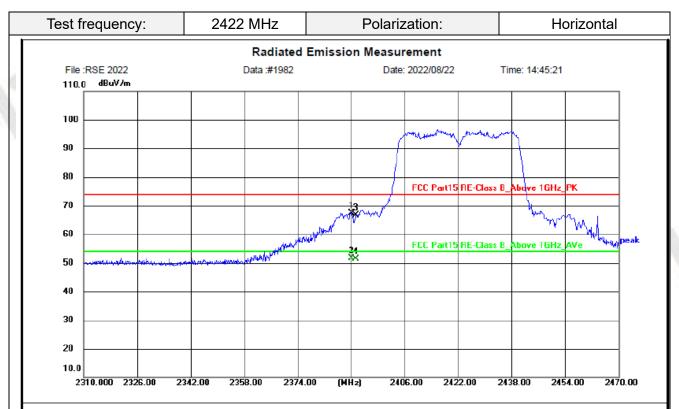
Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity: 50 %

EUT: Distance: 3m

M/N: Mondo Elite Classic

Mode: WORKING Note: 2462 ANT1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	57.19	-4.45	52.74	74.00	21.26	peak	149	0	Р	
2	2483.500	44.31	-4.45	39.86	54.00	14.14	AVG	149	0	Р	
3	2485.639	58.38	-4.45	53.93	74.00	20.07	peak	149	0	Р	
4	2485.639	43.22	-4.45	38.77	54.00	15.23	AVG	149	0	Р	



Site CTL 966 Chamber 1 Polarization: Horizontal Temperature: 25(C)

Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity: 50 %

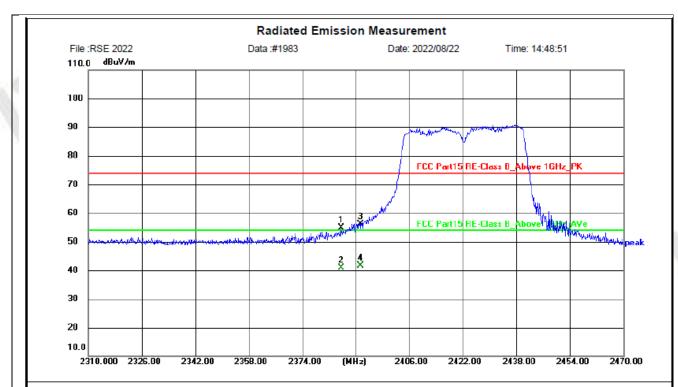
EUT: Distance: 3m

M/N: Mondo Elite Classic Mode: WORKING Note: 2422 ANT1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2388.501	72.12	-4.70	67.42	74.00	6.58	peak	149	360	Р	
2	2388.501	56.38	-4.70	51.68	54.00	2.32	AVG	149	360	Р	
3	2390.000	71.38	-4.69	66.69	74.00	7.31	peak	149	360	Р	
4	2390.000	56.11	-4.69	51.42	54.00	2.58	AVG	149	360	Р	

Test frequency:	2422 MHz	Polarization:	Vertical





Site CTL 966 Chamber 1 Polarization: Vertical Temperature: 25(C)

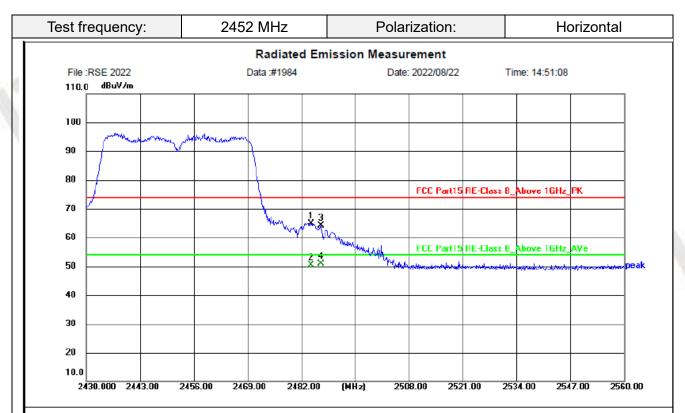
Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity: 50 %

EUT: Distance: 3m

M/N: Mondo Elite Classic

Mode: WORKING Note: 2422 ANT1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2384.026	59.61	-4.70	54.91	74.00	19.09	peak	149	0	Р	
2	2384.026	45.61	-4.70	40.91	54.00	13.09	AVG	149	0	Р	
3	2390.000	60.71	-4.69	56.02	74.00	17.98	peak	149	0	Р	
4	2390.000	46.32	-4.69	41.63	54.00	12.37	AVG	149	0	Р	



Site CTL 966 Chamber 1 Polarization: Horizontal Temperature: 25(C)

Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity: 50 %

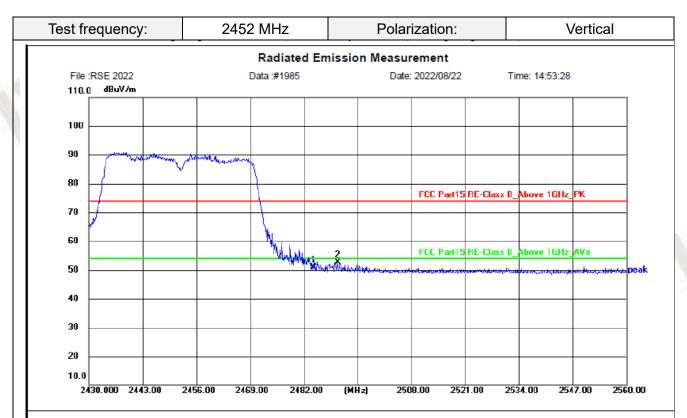
EUT: Distance: 3m

M/N: Mondo Elite Classic

Mode: WORKING Note: 2452 ANT1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	69.23	-4.45	64.78	74.00	9.22	peak	149	360	Р	
2	2483.500	54.76	-4.45	50.31	54.00	3.69	AVG	149	360	Р	
3	2485.848	68.59	-4.45	64.14	74.00	9.86	peak	149	360	Р	
4	2485.848	55.33	-4.45	50.88	54.00	3.12	AVG	149	360	Р	





Site CTL 966 Chamber 1 Polarization: Vertical Temperature: 25(C)

Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity: 50 %

EUT: Distance: 3m

M/N: Mondo Elite Classic

Mode: WORKING Note: 2452 ANT1

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	55.29	-4.45	50.84	74.00	23.16	peak	149	0	Р	
2	2489.219	57.04	-4.44	52.60	74.00	21.40	peak	149	0	Р	

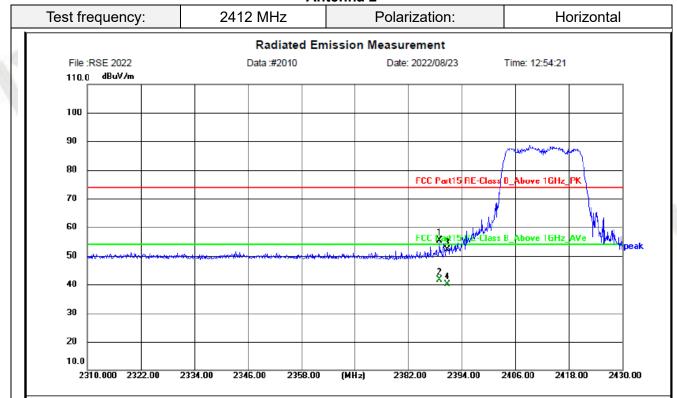
Temperature:

Humidity:

25(C)

50 %

Antenna 2



Site CTL 966 Chamber 1

Limit: FCC Part15 RE-Class B_Above 1GHz_PK

EUT: Distance: 3m

M/N: Mondo Elite Classic

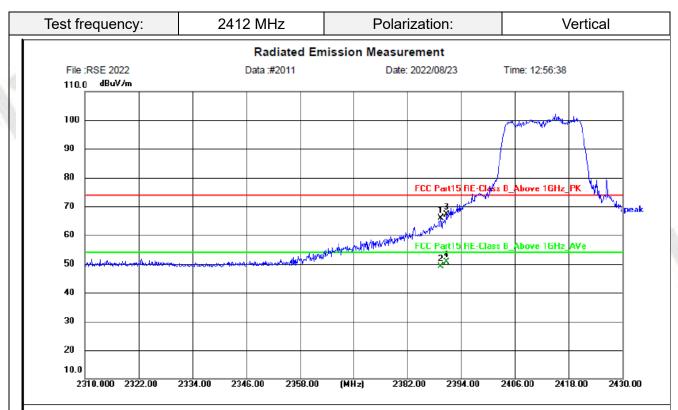
Mode: WORKING Note: 2412 ANT2

Company name: Grace Digital Inc.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	1	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2388.274	60.05	-4.70	55.35	74.00	18.65	peak	149	0	Р	
2	2388.274	46.35	-4.70	41.65	54.00	12.35	AVG	149	0	Р	
3	2390.000	56.79	-4.69	52.10	74.00	21.90	peak	149	0	Р	
4	2390.000	44.91	-4.69	40.22	54.00	13.78	AVG	149	0	Р	

Power:

Polarization: Horizontal



Site CTL 966 Chamber 1 Polarization: Vertical Temperature: 25(C)

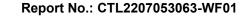
Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity: 50 %

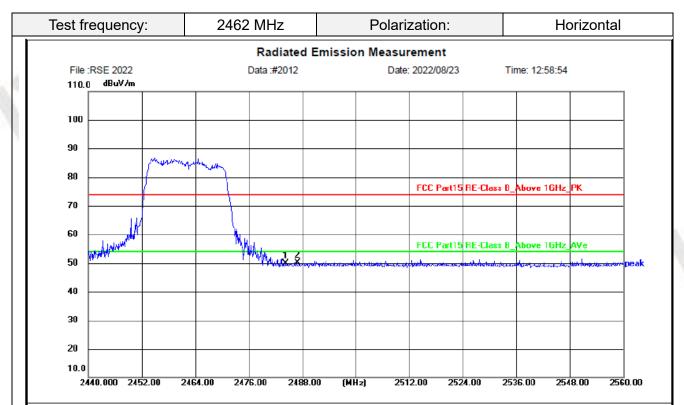
EUT: Distance: 3m

M/N: Mondo Elite Classic

Mode: WORKING Note: 2412 ANT2

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2388.758	70.59	-4.70	65.89	74.00	8.11	peak	149	360	Р	
2	2388.758	53.82	-4.70	49.12	54.00	4.88	AVG	149	360	Р	
3	2390.000	71.86	-4.69	67.17	74.00	6.83	peak	149	360	Р	
4	2390.000	55.35	-4.69	50.66	54.00	3.34	AVG	149	360	Р	





Site CTL 966 Chamber 1 Polarization: Horizontal Temperature: 25(C)

Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity: 50 %

EUT: Distance: 3m

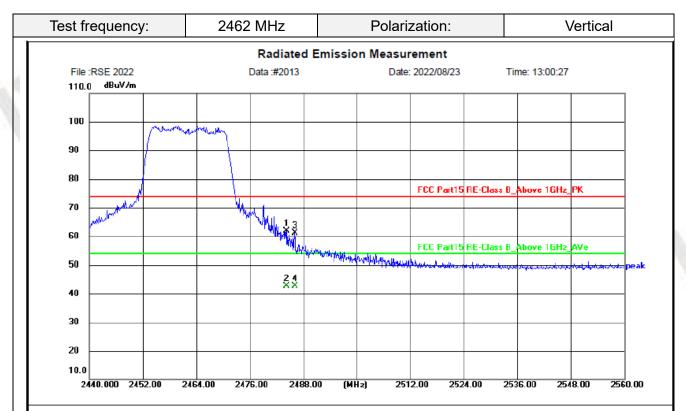
M/N: Mondo Elite Classic Mode: WORKING

Note: 2462 ANT2 Company name: Grace Digital Inc.

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	54.27	-4.45	49.82	74.00	24.18	peak	149	0	Р	
2	2486.116	54.69	-4.45	50.24	74.00	23.76	peak	149	0	Р	



50 %



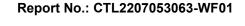
Site CTL 966 Chamber 1 Polarization: Vertical Temperature: 25(C)

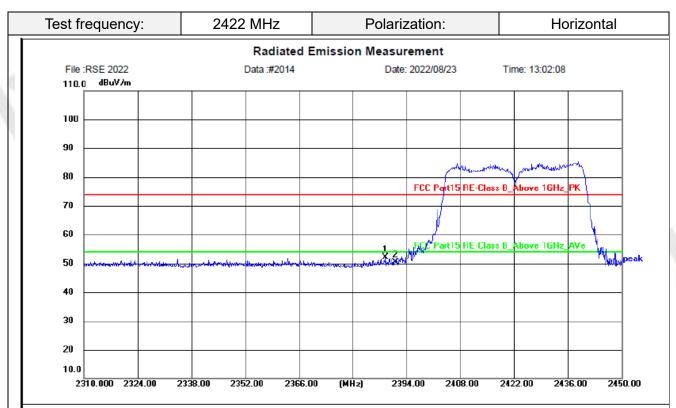
Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity:

EUT: Distance: 3m

M/N: Mondo Elite Classic Mode: WORKING Note: 2462 ANT2

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	2483.500	66.25	-4.45	61.80	74.00	12.20	peak	149	360	Р	
2	2483.500	47.11	-4.45	42.66	54.00	11.34	AVG	149	360	Р	
3	2485.281	65.69	-4.45	61.24	74.00	12.76	peak	149	360	Р	
4	2485.281	47.02	-4.45	42.57	54.00	11.43	AVG	149	360	Р	





Site CTL 966 Chamber 1 Polarization: Horizontal Temperature: 25(C)

Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity: 50 %

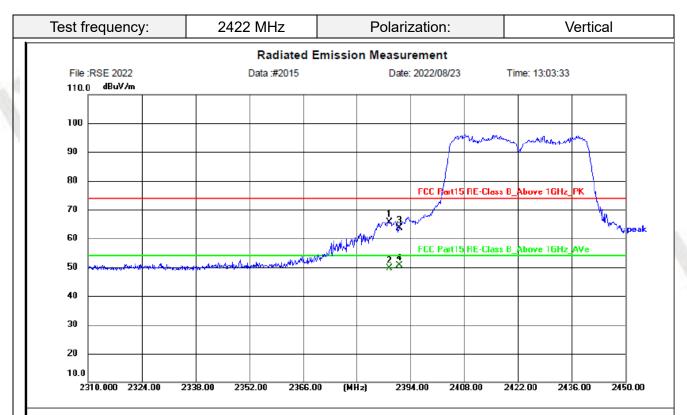
EUT: Distance: 3m

M/N: Mondo Elite Classic

Mode: WORKING Note: 2422 ANT2

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2387.524	56.90	-4.70	52.20	74.00	21.80	peak	149	360	Р	
2	2390.000	55.19	-4.69	50.50	74.00	23.50	peak	149	360	Р	





Site CTL 966 Chamber 1 Polarization: Vertical Temperature: 25(C)

Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power: Humidity: 50 %

EUT: Distance: 3m

M/N: Mondo Elite Classic

Mode: WORKING Note: 2422 ANT2

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	2387.244	70.43	-4.70	65.73	74.00	8.27	peak	149	360	Р	
2	2387.244	54.33	-4.70	49.63	54.00	4.37	AVG	149	360	Р	
3	2390.000	68.41	-4.69	63.72	74.00	10.28	peak	149	360	Р	
4	2390.000	55.30	-4.69	50.61	54.00	3.39	AVG	149	360	Р	

Test frequency:

File:RSE 2022

110.0

100

90

80

70

60

50

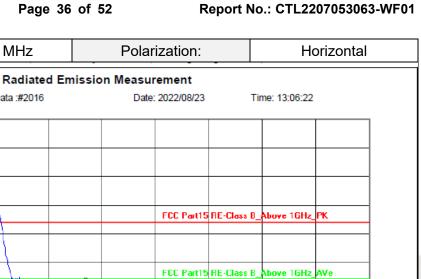
40

30

20 10.0 dBuV/m

2452 MHz

Data:#2016



Site CTL 966 Chamber 1 Polarization: Horizontal Temperature: 25(C)

(MHz)

2508.00

2521.00

2534.00

Humidity:

50 %

2482.00

Limit: FCC Part15 RE-Class B_Above 1GHz_PK Power:

2469.00

EUT: Distance: 3m

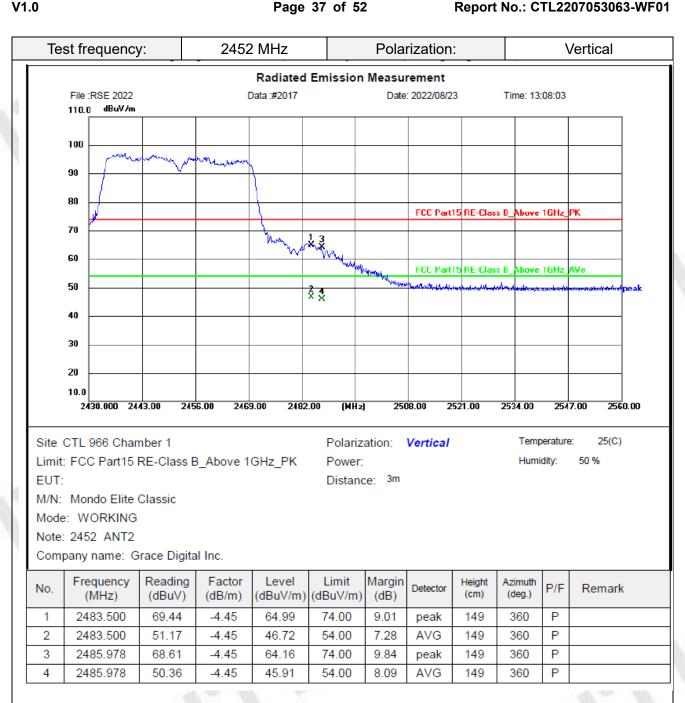
2456.00

M/N: Mondo Elite Classic Mode: WORKING Note: 2452 ANT2

Company name: Grace Digital Inc.

2430.000 2443.00

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	53.54	-4.45	49.09	74.00	24.91	peak	149	0	Р	
2	2490.257	55.05	-4.44	50.61	74.00	23.39	peak	149	0	Р	



REMARKS:

- 1. Level (dBuV/m) =Reading (dBuV)+ Factor (dB/m)
- 2. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 3. Margin value = Limit value-Level value.
- 4. Other emission levels are attenuated 20dB below the limit and not recorded in report.
- 5. RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peak detector is for AV value.

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3.3. Maximum Conducted Output Power

<u>Limit</u>

The Maximum Peak Output Power Measurement is 30dBm.

Test Procedure

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Power Meter.

Test Configuration



Test Results

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3.4. Power Spectral Density

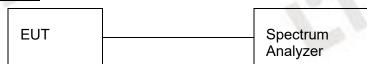
Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Test Procedure

- 1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
- 2. Set the RBW ≥ 3 kHz.
- 3. Set the VBW ≥ 3× RBW.
- 4. Set the span to 1.5 times the DTS channel bandwidth.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum power level.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
- 11. The resulting peak PSD level must be 8dBm.

Test Configuration



Test Results

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3.5. 6dB Bandwidth

<u>Limit</u>

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz

Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 KHz RBW and 300 KHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

Test Configuration



Test Results

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3.6. Out-of-band Emissions

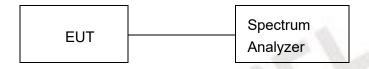
Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF con-ducted or a radiated measurement, pro-vided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter com-plies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

Test Procedure

Connect the transmitter output to spectrum analyzer using a low loss RF cable, and set the spectrum analyzer to RBW=100 kHz, VBW= 300 kHz, peak detector, and max hold. Measurements utilizing these setting are made of the in-band reference level, bandedge and out-of-band emissions.

Test Configuration



Test Results

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3.7. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c)(1)(i):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

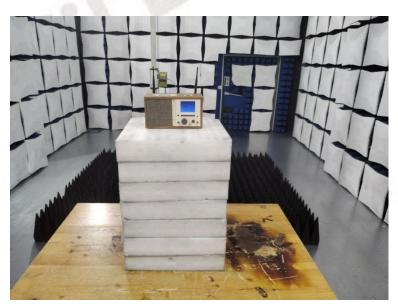
Test Result:

The device used external antenna and the maximum gain is 5.29dBi.

4. Test Setup Photos of the EUT







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5. Photos of the EUT

















BT Antenna 1 / WIFI Antenna 2



BT Antenna 2 / WIFI Antenna 1

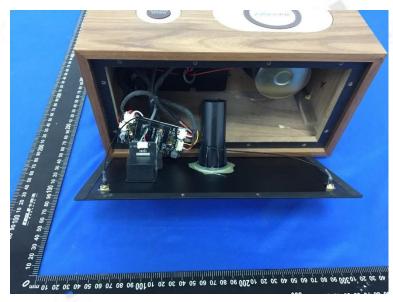


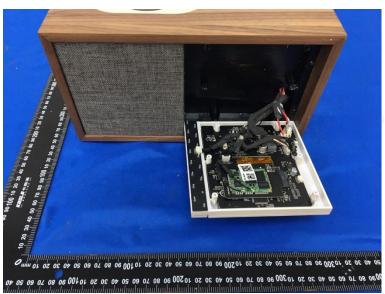


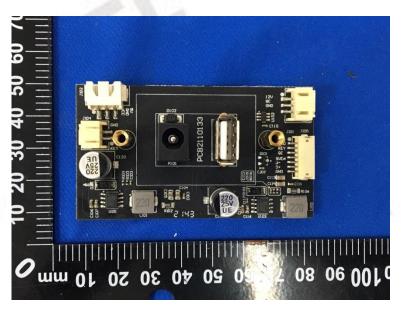
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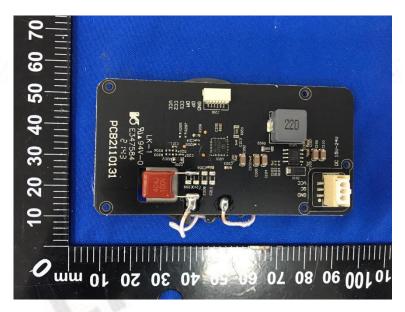


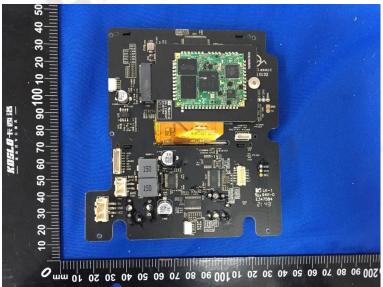
Internal Photos of EUT

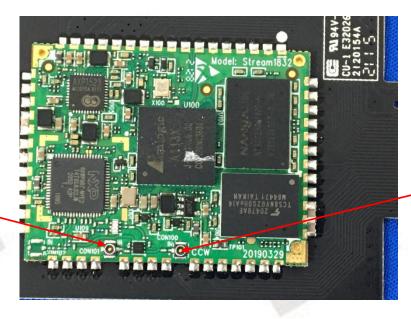












BT Antenna 2 / WIFI Antenna 1

BT Antenna 1 / WIFI Antenna 2

