

Prüfbericht-Nr.: Test report no.:	CN23ZDHC 002	Auftrags-Nr.: Order no.:	168442173	Seite 1 von 19 Page 1 of 19
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2023-09-04	
Auftraggeber: Client:	FCC: Decathlon America LLC 1160 Battery Street, Suite 100, San Francisco, CA 94111, United States IC: DECATHLON SE 4 Boulevard de Mons, VILLENEUVE D'ASCQ, 59650, France			
Prüfgegenstand: Test item:	Domyos Challenge Bike			
Bezeichnung / Typ-Nr.: Identification / Type no.:	329494			
Auftrags-Inhalt: Order content:	Test Report			
Prüfgrundlage: Test specification:	FCC CFR Title 47, Part 15, Subpart C, Section 15.249 RSS-Gen Issue 5 February 2021 RSS-210 Issue 10 April 2020 ANSI C63.10: 2013			
Wareneingangsdatum: Date of sample receipt:	2022-10-16 2023-09-05	Please refer to Photo Document		
Prüfmuster-Nr.: Test sample no.:	A003354037-001 A003550290-001~006			
Prüfzeitraum: Testing period:	2023-04-18 2023-09-07			
Ort der Prüfung: Place of testing:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:	X  Signed by: Breeze Jiang		genehmigt von: authorized by:	X  Signed by: Lin Lin
Datum: Date:	2023-09-20		Ausstellungsdatum: Issue date:	2023-09-20
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert
Sonstiges / Other:	FCC ID: 2A8UOCHALLENGEBIKE, IC: 24468-CHALLENGEBIKE, HVIN: Domyos Challenge Bike US Supplier name: Zhejiang Arcana Power Sports Supplier code: 46559 Conception Code: 329494 Model Code: 8862412 Test request no.: L074-03-2208-0002			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested			
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Anmerkungen
Remarks

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4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

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Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 FIELD STRENGTH OF FUNDAMENTAL AND HARMONICS

RESULT: Pass

5.1.3 20dB AND 99% BANDWIDTH

RESULT: Pass

5.1.4 BAND EDGE

RESULT: Pass

5.1.5 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results

Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

No. 362 Huanguan Road Middle, Longhua District, 518110, Shenzhen, P. R. China.

FCC Accreditation Designation No.: CN1260

ISED wireless device testing laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend)				
Equipment	Manufacturer	Model	Serial No.	Cal. until
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	2023-10-10
MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	2023-10-10
EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	2023-10-10
DC power supply	Keysight	E3642A	MY61276100	2023-10-10
Power Control Unit	Tonscend	JS0806-4ADC	N/A	2023-10-10
Automation Control Unit	Tonscend	JS0806-2	21C8060396	2023-10-10
Test Software	Tonscend	JS1120-3	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	Y LX23JMF	N/A
Shielding Room 8#	Albatross	SR8	APC17151-SR8	2024-06-22
Unwanted Emission Testing (TS9975)				
Equipment	Manufacturer	Model	Serial No.	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2024-07-25
Signal Analyzer	R&S	FSV 40	101439	2024-07-25
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	2024-07-25
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2024-07-25
Amplifier	R&S	SCU-18F	180070	2024-07-25
Amplifier	R&S	SCU40A	100475	2024-07-25
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-08-06
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	2024-08-06
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2024-08-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2024-08-06
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A

Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-06-22

Conducted Emission				
Equip.	Description	Model	Manufacturer	Due Date
G1811378	3m modified semi-anechoic chamber	SAC3	Frankonia	10.06.2024
9023229	EMI test receiver	ESR3	Rohde&Schwarz	11.08.2023
G1811403	Artificial mains network	ENV216	Rohde&Schwarz	19.10.2023
G1811425	Bilog antenna	CBL 6112D	Teseq	09.03.2024
G1811417	Log periodic antenna	HL050	Rohde&Schwarz	09.03.2024
G1822695	Spectrum analyser	FSP30	Rohde&Schwarz	16.08.2024
G1825371	Preamplifier	EMC051845SE	Taiwan EMCI	14.05.2023
G1825372	Preamplifier	EMC184045SE	Taiwan EMCI	14.05.2023
G1831065	Broadband horn antenna	BBHA 9170	Schwarzbeck	10.07.2023
G1822702	Spectrum analyser	FSV40	Rohde&Schwarz	04.11.2023
MY54500180	Signal analyser	N9020A	Keysight	08.08.2024
EMC-C-304	OSP	OSP-B157W8	Rohde & Schwarz	14.10.2023

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	± 4.17 dB
Conducted Emission, (150kHz to 30MHz)	± 3.39 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at No. 362 Huanguan Road Middle, Longhua District, 518110, Shenzhen, P. R. China. is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT (Equipment Under Test) is a Domyos Challenge Bike which supports Bluetooth Low Energy and ANT+(2457MHz).

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Domyos Challenge Bike
Type Designation:	329494
FCC ID:	2A8UOCHALLENGEBIKE
IC:	24468-CHALLENGEBIKE
HVIN:	Domyos Challenge Bike US
Operating Voltage:	Charging by USB(5Vdc, 1A) Charging by adapter(AC 120V, 60Hz)
Test Voltage:	DC 5V from USB or AC 120V/60Hz from adapter
Technical Specification of Bluetooth LE	
Frequency Range:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK
Channel Number:	40 channels
Channel Separation:	2 MHz
Data rate:	1Mbps
Antenna Type:	PCB Antenna
Antenna Gain:	-1.46 dBi (Provided by the Client)
Technical Specification of ANT+	
Frequency Range:	2457 MHz
Type of Modulation:	GFSK
Antenna Type:	PCB Antenna
Antenna Gain:	-1.46 dBi (Provided by the Client)

3.3 Independent Operation Modes

The basic operation modes are:

- A. ANT+ transmitting mode (2457MHz)
- B. On, Normal operation mode
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|--------------------|----------------------|
| - Bill of Material | - Circuit Diagram |
| - PCB Layout | - Instruction Manual |
| - Photo Document | - Rating Label |

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013.

According to clause 3.1, all tests were performed on model 329494 in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 4: Auxiliary Equipment Used during Test

Description	Manufacturer	Model	S/N
Laptop	Lenovo	T480	PF-16A6N8
Laptop	Lenovo	TP00001A	N/A
Adapter	N/A	N/A	N/A

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

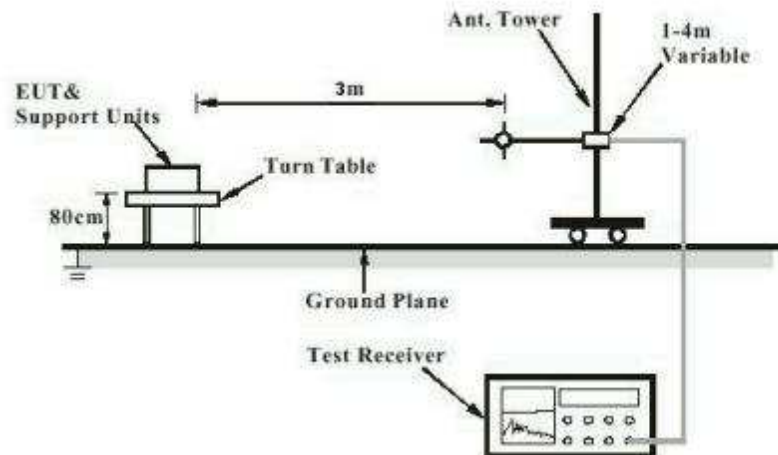


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

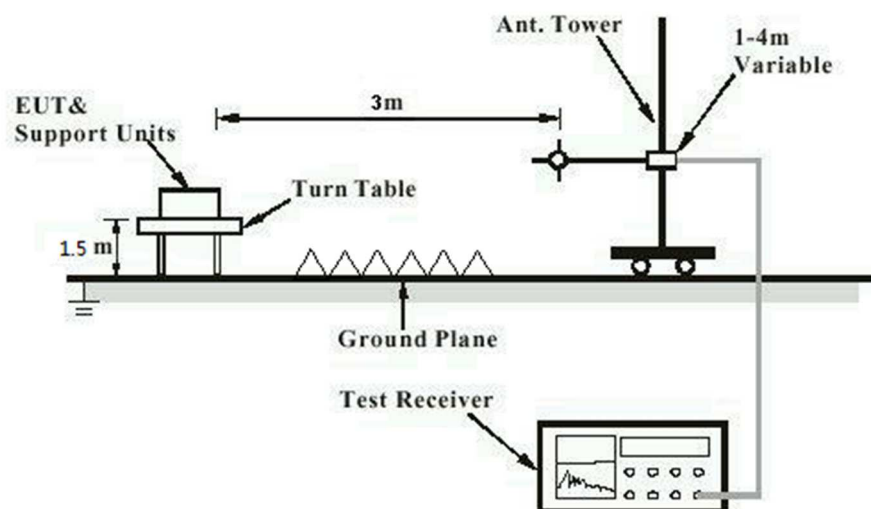


Diagram of Measurement Configuration for Conducted Transmitter Measurement

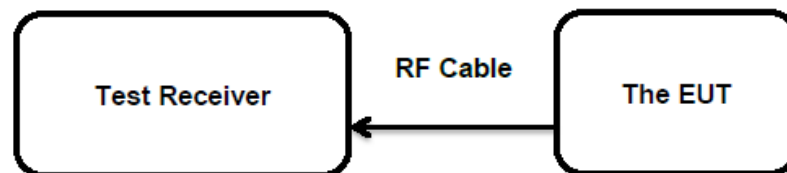
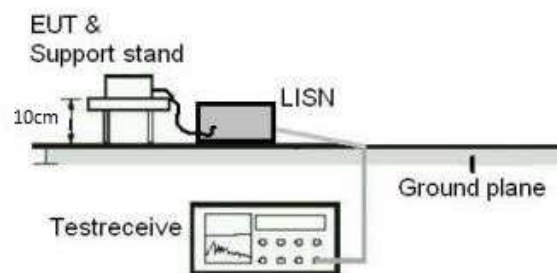


Diagram of Measurement Configuration for Mains Conduction Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.203
RSS-Gen Section 6.8

According to the manufacturer declared, the EUT has a PCB antenna, the gain of antenna is -1.46 dBi, which that permanent attachment and no consideration of replacement.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

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5.1.2 Field Strength of Fundamental and Harmonics

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.249(a) RSS-210 Section F.1
Basic standard	: ANSI C63.10: 2013
Limits	: FCC Part 15.249(a) (d) (e) & 15.209(a) RSS-210 Section Clause F.1(a) & (e) RSS-Gen Section 8.9
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2023-09-07
Input voltage	: DC 5V from USB
Operation mode	: A
Test channel	: 2457 MHz
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix A.

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5.1.3 20dB and 99% Bandwidth

RESULT:

Pass

Test Specification

Test standard	:	FCC Part 15.249 RSS-Gen Section 6.7
Basic standard	:	ANSI C63.10: 2013
Limits	:	Within assigned band
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2023-09-07
Input voltage	:	DC 5V from USB
Operation mode	:	A
Test channel	:	2457 MHz
Ambient temperature	:	25.8 °C
Relative humidity	:	35 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A.

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5.1.4 Band Edge

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.249(d) & 15.209(a) & 15.205(a) RSS-210 Section B.10(a) & (b) RSS-Gen Section 8.9 & 8.10
Basic standard	: ANSI C63.10: 2013
Limits	: FCC Part 15.249(d) & 15.209(a) & 15.205(a) RSS-Gen Table 5 & 7
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2023-09-07
Input voltage	: DC 5V from USB
Operation mode	: A
Test channel	: 2457 MHz
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.5 Conducted Emission on AC Mains

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.207(a) RSS-Gen Section 8.8
Basic standard	: ANSI C63.10: 2013
Frequency range	: 0.15 – 30MHz
Limits	: FCC Part 15.207(a) RSS-Gen Table 4
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2023-04-18
Input voltage	: AC 120V, 60Hz
Operation mode	: B
Ambient temperature	: 22.5 °C
Relative humidity	: 50.8 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix B.

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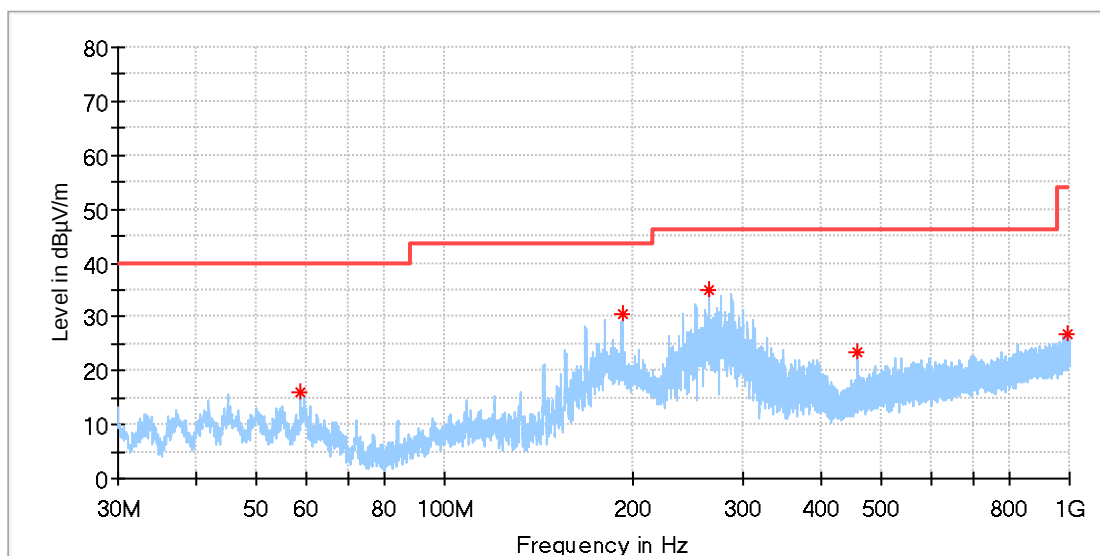
Appendix A.1: Test Results of Field Strength of Fundamental & Harmonics

Note: The testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz to 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

EUT Information

EUT Name:	Domyos Challenge Bike
Model:	329494
Test Mode:	2457MHz
Order No/Sample No:	168442173/A003550290-006
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

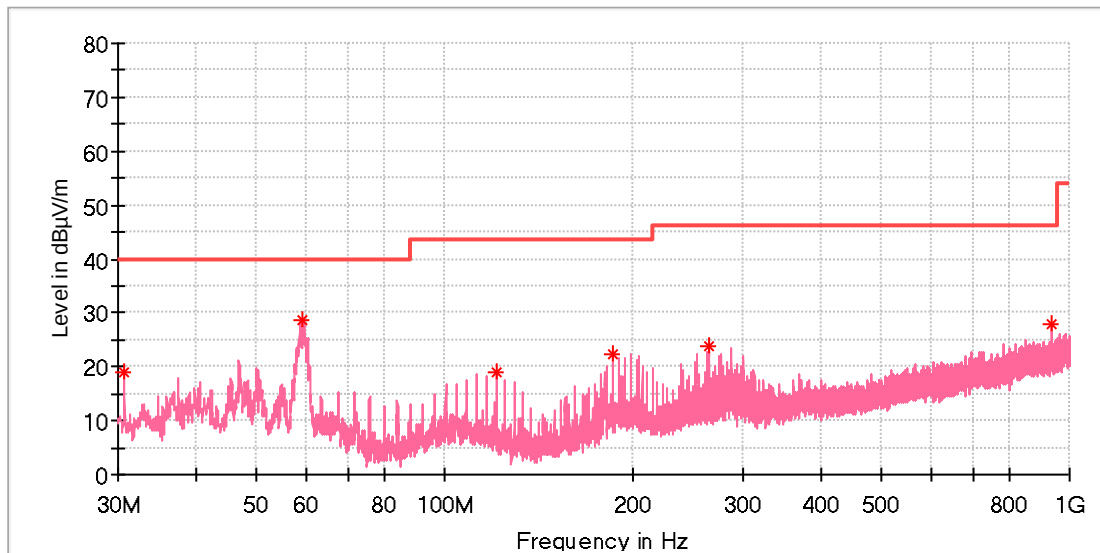
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
58.764231	16.05	40.00	23.95	100.0	H	335.0	-19.2
192.139231	30.56	43.50	12.94	100.0	H	163.0	-19.7
264.068462	34.96	46.00	11.04	100.0	H	31.0	-17.4
456.837308	23.48	46.00	22.52	100.0	H	56.0	-13.1
990.076154	26.89	54.00	27.11	100.0	H	2.0	-4.2

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Domyos Challenge Bike
Model:	329494
Test Mode:	2457MHz
Order No/Sample No:	168442173/A003550290-006
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.708846	18.91	40.00	21.09	100.0	V	124.0	-23.2
59.174615	28.68	40.00	11.32	100.0	V	290.0	-19.2
120.844231	19.07	43.50	24.43	100.0	V	157.0	-21.2
186.356539	22.23	43.50	21.27	100.0	V	246.0	-20.2
264.478846	23.81	46.00	22.19	100.0	V	92.0	-17.4
937.546923	27.79	46.00	18.21	100.0	V	282.0	-5.0

Final_Result

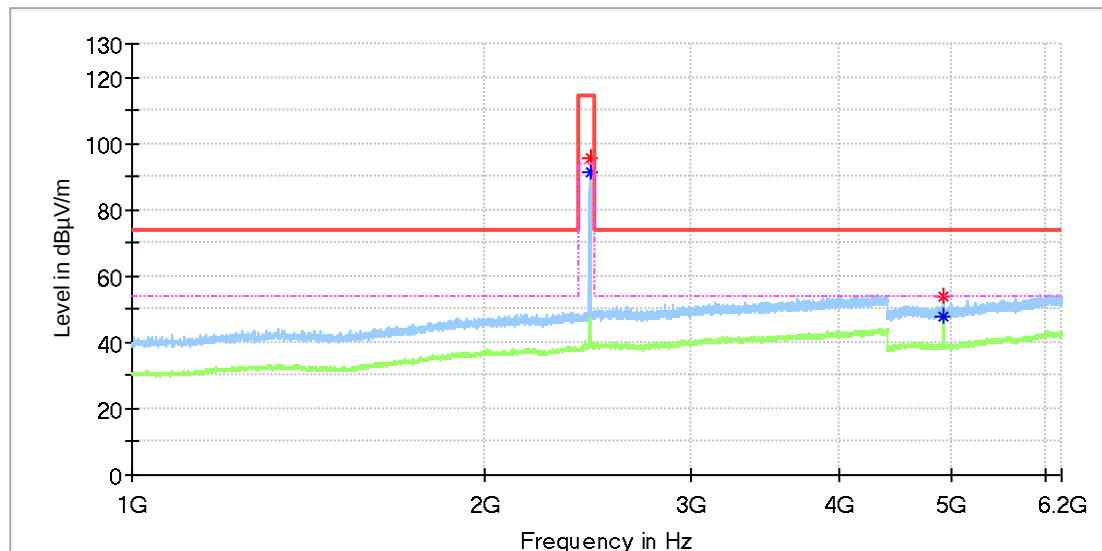
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is ANT+ Fundamental.

EUT Information

EUT Name:	Domyos Challenge Bike
Model:	329494
Test Mode:	2457MHz
Order No/Sample No:	168442173/A003550290-006
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

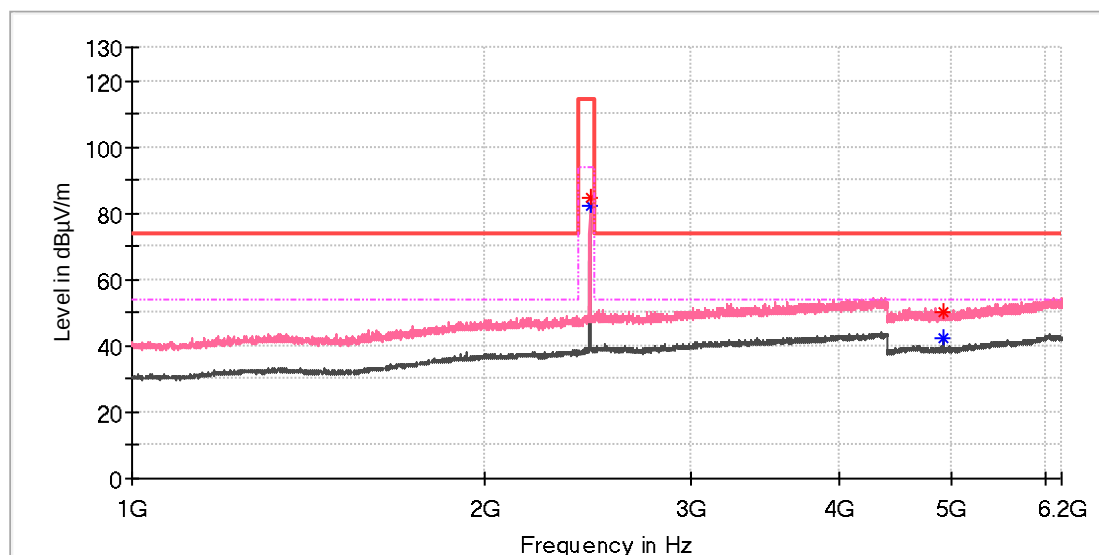
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2457.000000	95.45	---	114.00	18.55	150.0	H	293.0	7.5
2457.500000	---	91.32	94.00	2.68	150.0	H	293.0	7.5
4913.500000	53.64	---	74.00	20.36	150.0	H	271.0	11.8
4914.000000	---	47.82	54.00	6.18	150.0	H	3.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Domyos Challenge Bike
Model: 329494
Test Mode: 2457MHz
Order No/Sample No: 168442173/A003550290-006
Test Voltage: DC 5V From USB
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

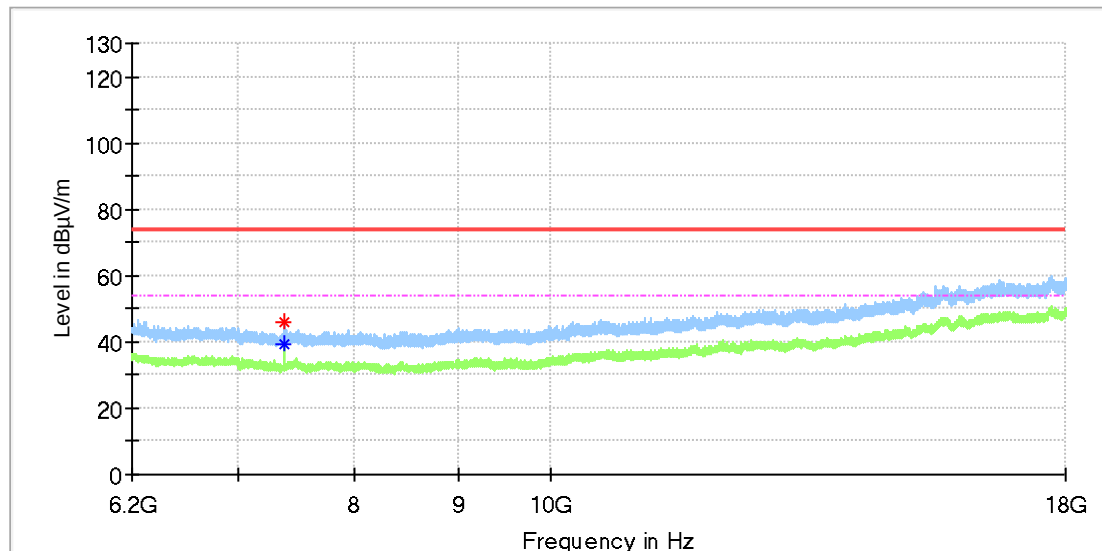
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2456.500000	84.45	---	114.00	29.55	150.0	V	234.0	7.5
2456.500000	---	82.03	94.00	11.97	150.0	V	234.0	7.5
4907.500000	50.27	---	74.00	23.73	150.0	V	200.0	11.8
4913.500000	---	42.12	54.00	11.88	150.0	V	239.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Domyos Challenge Bike
Model: 329494
Test Mode: 2457MHz
Order No/Sample No: 168442173/A003550290-006
Test Voltage: DC 5V From USB
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

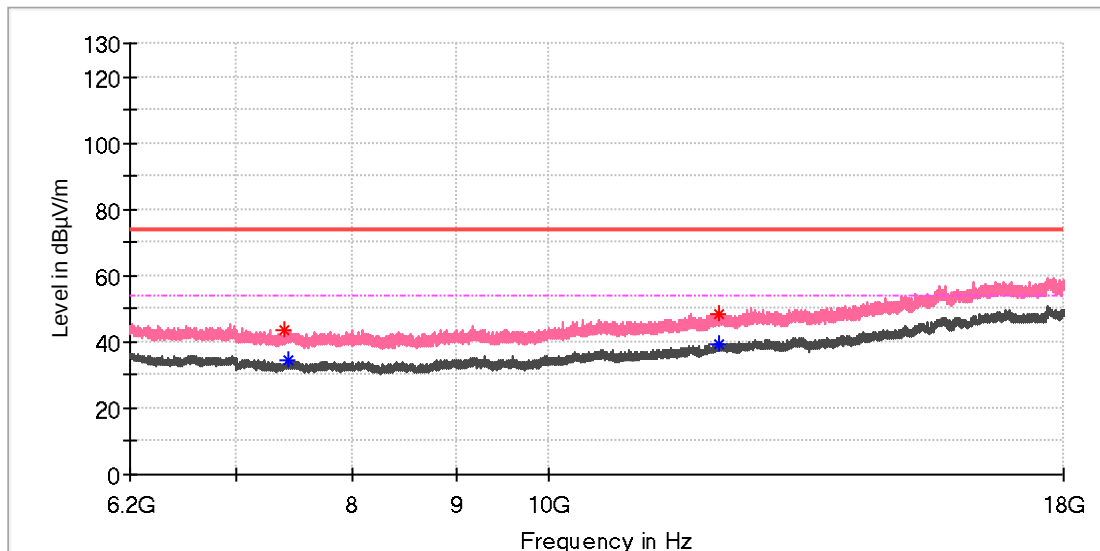
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7370.658333	---	39.19	54.00	14.81	150.0	H	262.0	8.2
7371.150000	45.72	---	74.00	28.28	150.0	H	66.0	8.2

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Domyos Challenge Bike
Model: 329494
Test Mode: 2457MHz
Order No/Sample No: 168442173/A003550290-006
Test Voltage: DC 5V From USB
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



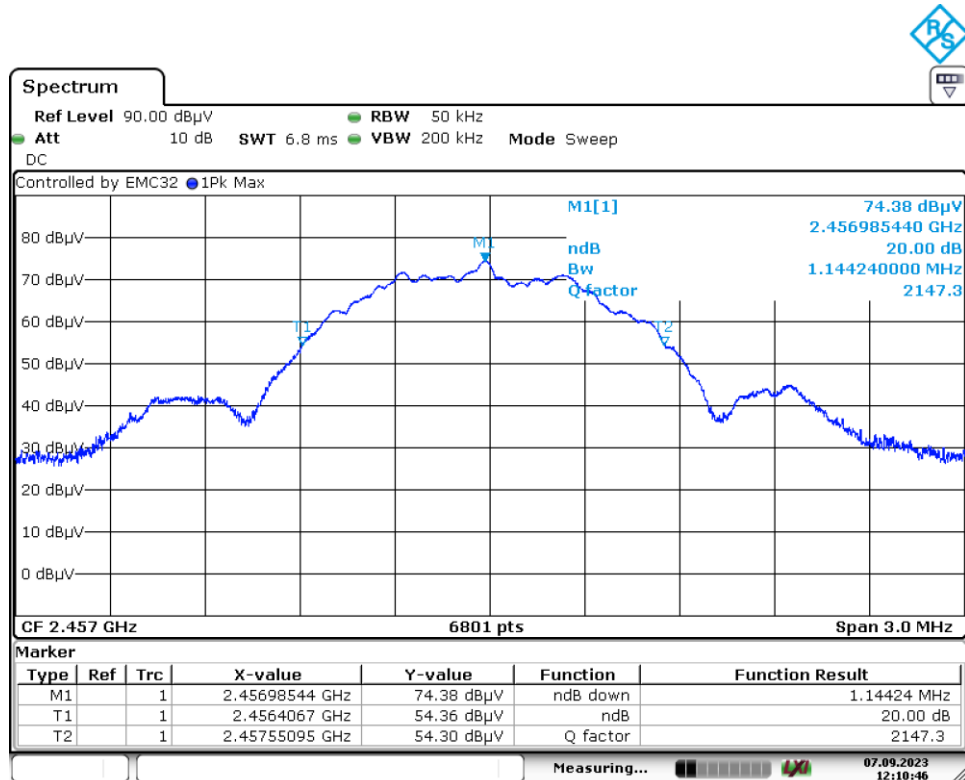
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7391.308333	43.55	---	74.00	30.45	150.0	V	157.0	8.3
7436.050000	---	34.20	54.00	19.80	150.0	V	86.0	8.4
12148.675000	---	39.31	54.00	14.69	150.0	V	193.0	14.4
12150.150000	48.48	---	74.00	25.52	150.0	V	358.0	14.4

Final_Result

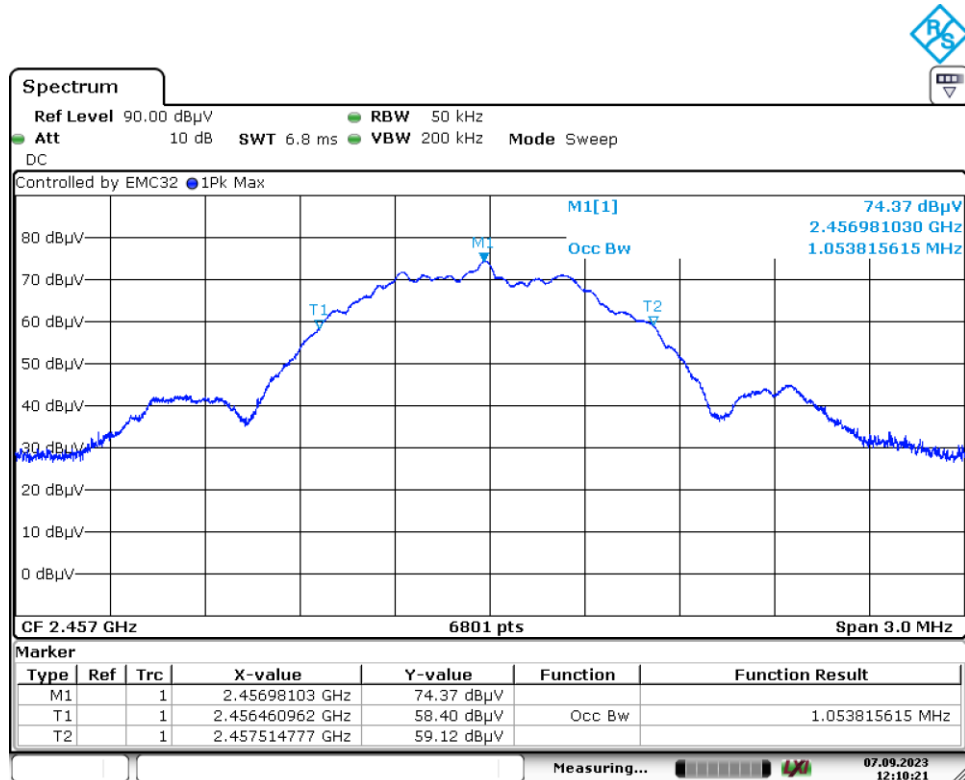
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix A.2: Test Results of 20dB Bandwidth



Date: 7.SEP.2023 12:10:47

Appendix A.3: Test Results of 99% Bandwidth

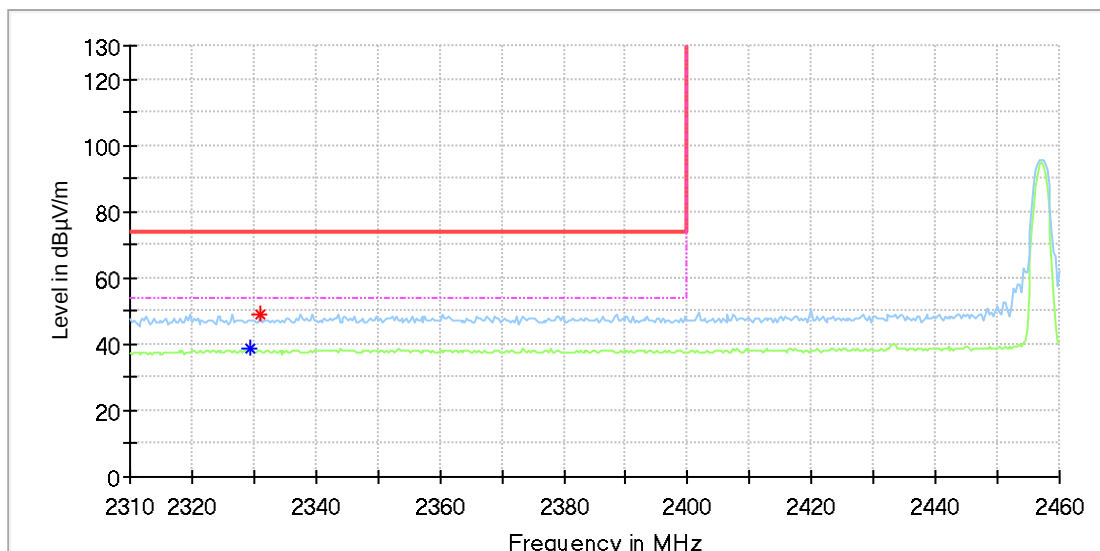


Date: 7.SEP.2023 12:10:22

Appendix A.4: Test Results of Band Edge

EUT Information

EUT Name:	Domyos Challenge Bike
Model:	329494
Test Mode:	2457MHz
Order No/Sample No:	168442173/A003550290-006
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

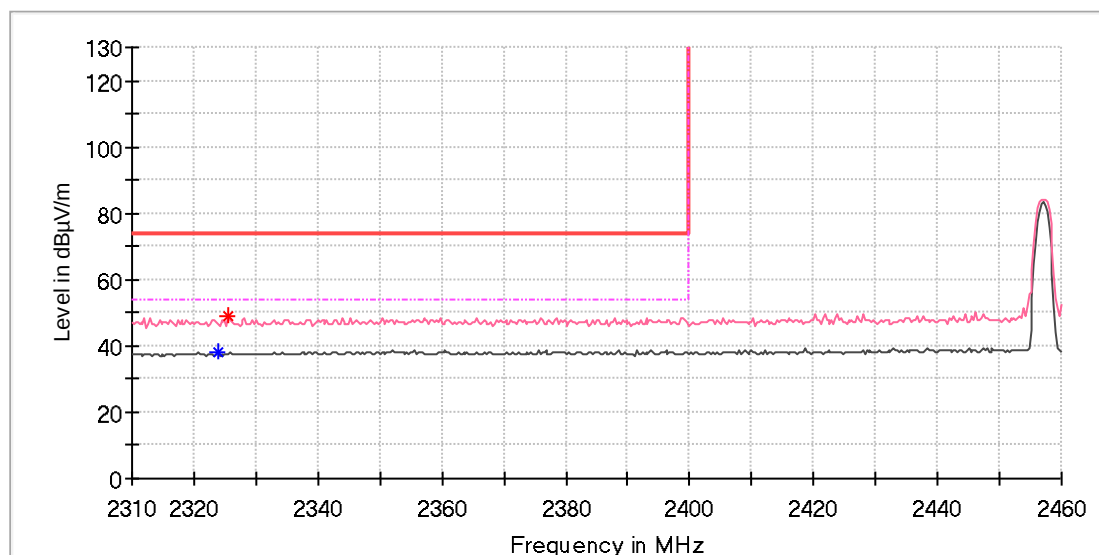
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2329.411765	---	38.83	54.00	15.17	150.0	H	102.0	6.7
2330.882353	48.89	---	74.00	25.11	150.0	H	306.0	6.7

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Domyos Challenge Bike
Model: 329494
Test Mode: 2457MHz
Order No/Sample No: 168442173/A003550290-006
Test Voltage: DC 5V From USB
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

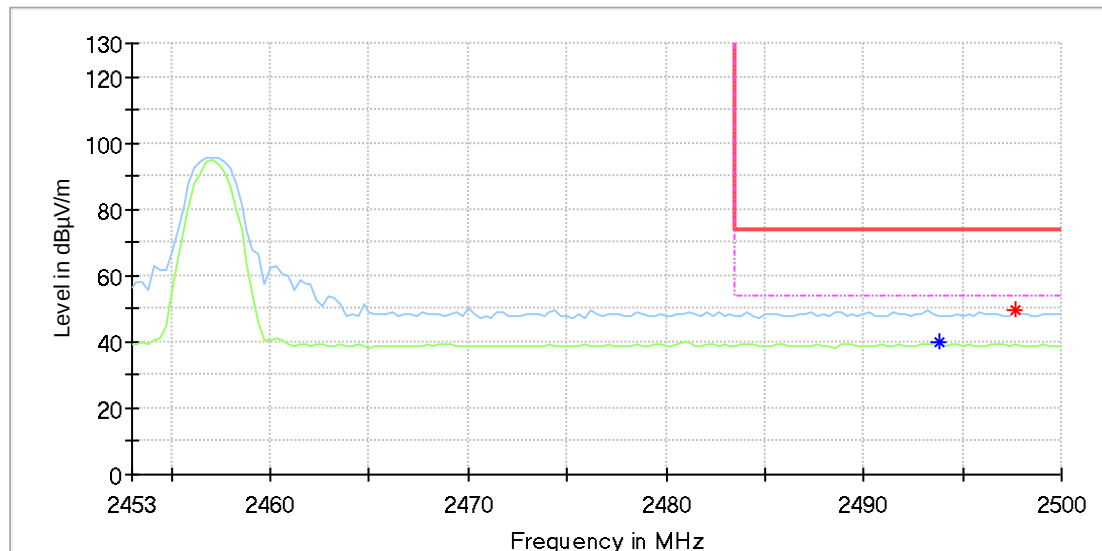
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2323.823529	---	38.17	54.00	15.83	150.0	V	192.0	6.6
2325.588235	48.78	---	74.00	25.22	150.0	V	8.0	6.7

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Domyos Challenge Bike
Model: 329494
Test Mode: 2457MHz
Order No/Sample No: 168442173/A003550290-006
Test Voltage: DC 5V From USB
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

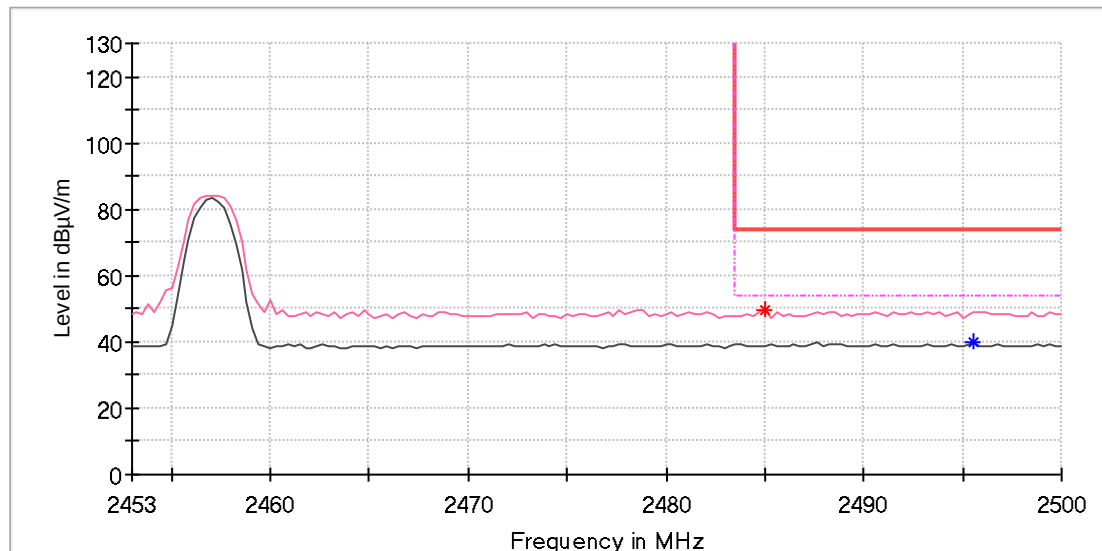
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2493.823529	---	39.61	54.00	14.39	150.0	H	281.0	7.4
2497.647059	49.71	---	74.00	24.29	150.0	H	163.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Domyos Challenge Bike
Model:	329494
Test Mode:	2457MHz
Order No/Sample No:	168442173/A003550290-006
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



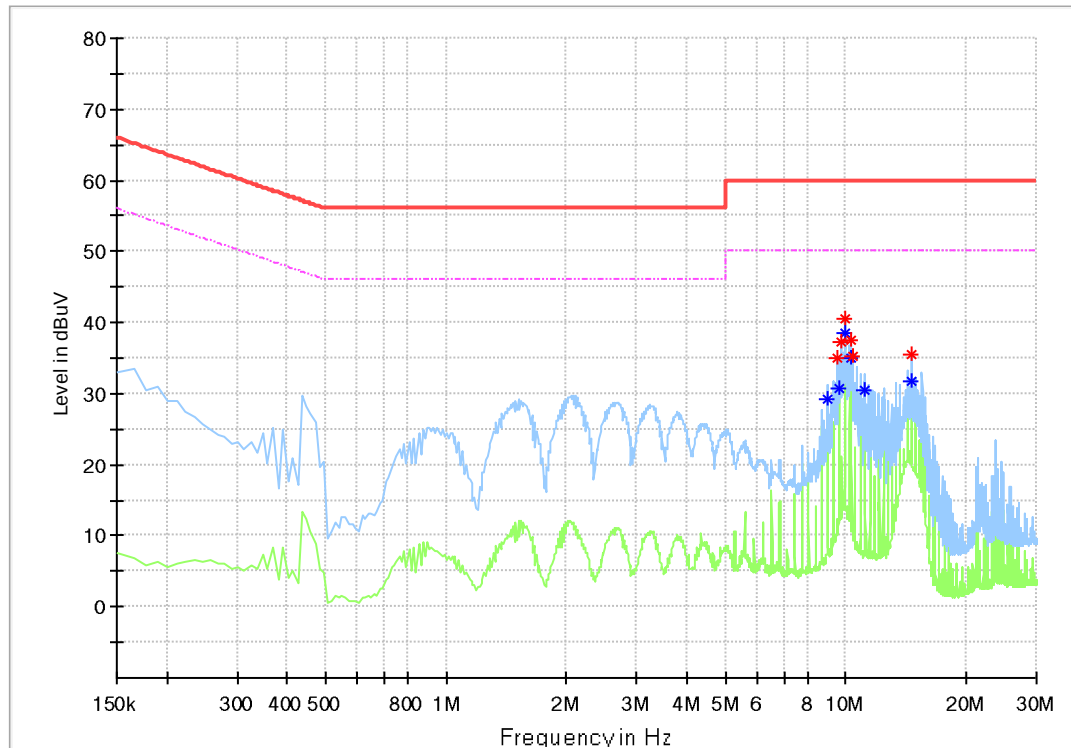
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.000000	49.55	---	74.00	24.45	150.0	V	19.0	7.4
2495.588235	---	39.75	54.00	14.25	150.0	V	272.0	7.4

Final Result

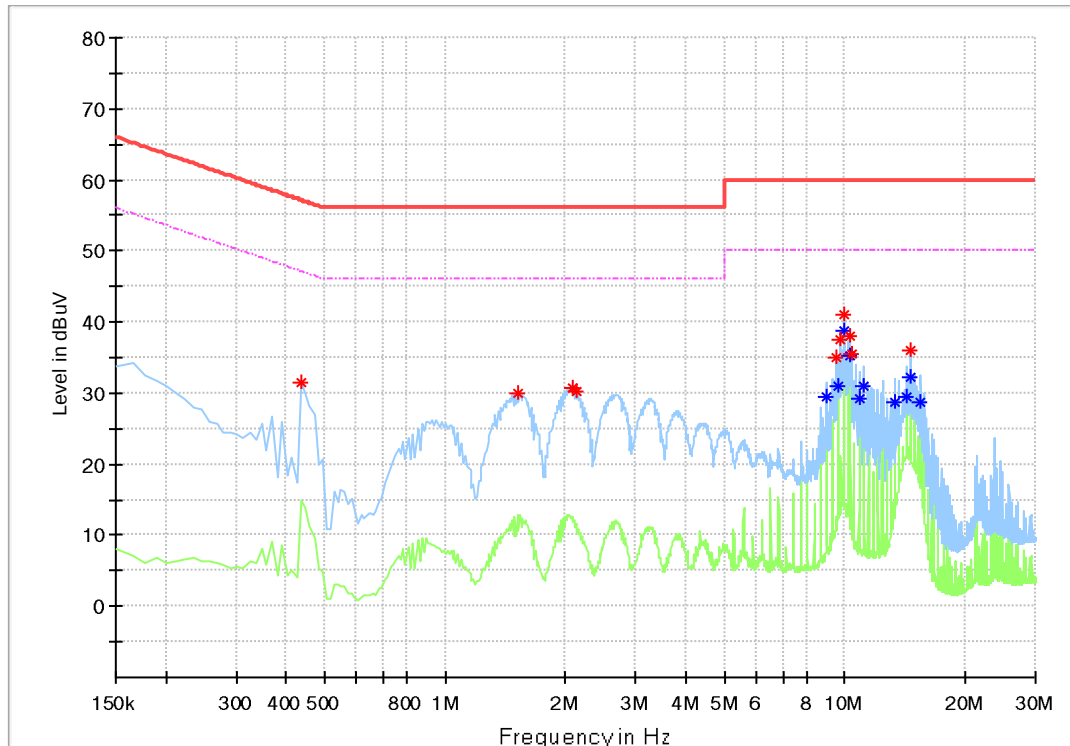
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix A.5: Test Results of Conducted Emission



Critical Freqs

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
9.009375	---	29.13	50.00	20.87	L	10.9
9.504375	34.93	---	60.00	25.07	L	10.9
9.628125	---	30.75	50.00	19.25	L	10.9
9.740625	37.34	---	60.00	22.66	L	10.9
9.943125	40.57	---	60.00	19.43	L	10.9
9.943125	---	38.41	50.00	11.59	L	10.9
10.246875	---	34.89	50.00	15.11	L	11.0
10.246875	37.58	---	60.00	22.42	L	11.0
10.438125	35.19	---	60.00	24.81	L	11.0
11.180625	---	30.39	50.00	19.61	L	11.0
14.600625	35.58	---	60.00	24.42	L	11.1
14.600625	---	31.63	50.00	18.37	L	11.1



Critical_Freqs

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.436875	31.48	---	57.12	25.64	N	10.5
1.516875	30.04	---	56.00	25.96	N	10.6
2.079375	30.73	---	56.00	25.27	N	10.7
2.124375	30.25	---	56.00	25.75	N	10.7
8.998125	---	29.35	50.00	20.65	N	11.0
9.504375	35.04	---	60.00	24.96	N	11.0
9.628125	---	31.05	50.00	18.95	N	11.1
9.740625	37.59	---	60.00	22.41	N	11.1
9.931875	---	38.79	50.00	11.21	N	11.1
9.931875	40.93	---	60.00	19.07	N	11.1
10.246875	37.97	---	60.00	22.03	N	11.1
10.246875	---	35.34	50.00	14.66	N	11.1
10.438125	35.50	---	60.00	24.50	N	11.1
10.865625	---	29.09	50.00	20.91	N	11.1
11.180625	---	30.91	50.00	19.09	N	11.1
13.351875	---	28.73	50.00	21.27	N	11.2
14.285625	---	29.37	50.00	20.63	N	11.2
14.589375	36.07	---	60.00	23.93	N	11.2
14.589375	---	32.24	50.00	17.76	N	11.2
15.523125	---	28.66	50.00	21.34	N	11.3