Prüfbericht-Nr.: *Test report No.:*	**50083461 001**	**Auftrags-Nr.:** *Order No.:*	164091456	Seite 1 von 23 *Page 1 of 23*
Kunden-Referenz-Nr.: *Client reference No.:*	N/A	**Auftragsdatum:** *Order date:*	17.04.2017	
Auftraggeber: *Client:*	**Dmet Products Corp.** No.118, Fuji Soft Bldg 12F, 3 Kanda-Neribeicho, Chiyoda-Ku, Tokyo, Japan			
Prüfgegenstand: *Test item:*	SoundMoovz			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	BMZ001 (Trademark: SoundMoovz)			
Auftrags-Inhalt: *Order content:*	FCC and IC approval			
Prüfgrundlage: *Test specification:*	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 2: Subpart J Section 2.1093 FCC KDB Publication 447498 V06		RSS-247 Issue 2 February 2017 RSS-Gen Issue 4 November 2014 RSS-102 Issue 5 March 2015	

Wareneingangsdatum: *Date of receipt:*	17.04.2017	Please refer to photo documents
Prüfmuster-Nr.: *Test sample No.:*	A000530595-027 to A000530595-029	
Prüfzeitraum: *Testing period:*	20.05.2017 - 23.05.2017	
Ort der Prüfung: *Place of testing:*	Accurate Technology Co., Ltd.	
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüfergebnis*: *Test result*:*	Pass	

geprüft von / *tested by:*			**kontrolliert von** / *reviewed by:*		
29.06.2017	Alex Lan / Project Engineer		29.06.2017	Winnie Hou / Technical Certifier	
Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*

Sonstiges / *Other:*

FCC ID: 2ALX7001, IC: 22677-001, HVIN: BMZ001

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery:*	Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged:*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	1 = very good	2 = good	3 = satisfactory	4 = sufficient	5 = poor
	P(ass) = passed a.m. test specifications(s)		F(ail) = failed a.m. test specifications(s)	N/A = not applicable	N/T = not tested

TÜV Rheinland (Shenzhen) Co., Ltd., East of F/1, F/2 - F/4, Building 1, Cybio Technology Building, No. 6 Langshan No. 2 Road, North Hi-tech Industry Park, Nanshan District, Shenzhen, P.R. China
http://www.tuv.com

TEST SUMMARY

5.1.1. ANTENNA REQUIREMENT
RESULT: Passed

5.1.2. PEAK OUTPUT POWER
RESULT: Passed

5.1.3. CONDUCTED POWER SPECTRAL DENSITY
RESULT: Passed

5.1.4. -6DB BANDWIDTH
RESULT: Passed

5.1.5. 99% BANDWIDTH
RESULT: Passed

5.1.6. CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHZ BANDWIDTH
RESULT: Passed

5.1.7. SPURIOUS EMISSION
RESULT: Passed

6.1.1. ELECTROMAGNETIC FIELDS
RESULT: Pass

Contents

1. General Remarks

1.1.Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:
Appendix 1: Test Result

2. Test Sites

2.1.Test Facilities

Accurate Technology Co., Ltd.

F1, Bldg. A, Changyuan New Meterial Port, Keyuan Rd., Science & Industry Park Nanshan District, Shenzhen 518057, P.R. China

FCC Registration No.: 752051

Test site Industry Canada No.: 5077A-2

The tests at the test site have been conducted under the supervision of a TÜV engineer.

2.2.List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Spurious emission and Radiated emission				
Spectrum Analyzer	Rohde&Schwarz	FSV40	101495	06-01-2018
Test Receiver	Rohde&Schwarz	ESCS30	100307	06-01-2018
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	09-01-2018
Loop Antenna	Schwarzbeck	FMZB1516	1516131	09-01-2018
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	09-01-2018
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	09-01-2018
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	06-01-2018
Pre-Amplifier	Rohde&Schwarz	CBLU11835 40-01	3791	06-01-2018
Radio Spectrum Test				
Spectrum Analyzer	Rohde&Schwarz	FSV40	101495	06-01-2018

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 basics using in house standards or comparisons.

2.5.Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are ±3dB.

2.6.Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix 1 of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7.Status of Facility Used for Testing

The Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Meterial Port, Keyuan Rd., Science & Industry Park Nanshan District, Shenzhen 518057, 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 is a SoundMoovz (wrist band) with Bluetooth low energy technology.
For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2.Ratings and System Details

Table 2: Rating of EUT

Kind of Equipment:	SoundMoovz
Type Designation:	BMZ001
Trade Mark:	SoundMoovz
FCC ID:	2ALX7001
IC:	22677-001
HVIN:	BMZ001

Table 3: Technical Specification of EUT

Technical Specification	**Value**
Operating Frequency band	2402 – 2480 MHz
Bluetooth Core Version	4.2 (Low Energy)
Channel separation	2MHz
Extreme Temperature Range	-20ºC to +55ºC
Operation Voltage	DC 3V via CR2032 Lithium Battery
Modulation	GFSK
Antenna Type	Internal Antenna, Non-User Replaceable
Antenna Gain	1 dBi

3.3.Independent Operation Modes

The basic operation modes are:

A. On, Bluetooth Transmitting
   1. Low channel
   2. Middle channel
   3. High channel

B. On, Operating

C. Off

3.4.Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5.Submitted Documents

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

4. Test Set-up and Operation Modes

4.1.Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power 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 testing were performed according to the procedures in ANSI C63.10: 2013.

4.3.Special Accessories and Auxiliary Equipment

The EUT was tested with following accessories

Description	Manufacturer	Type	S/N
Galaxy S6	SAMAUNG	SM-G9209	R28G91298WH
Notebook	Lenovo	ThinkPad X240	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 Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5.Test Setup Diagram

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

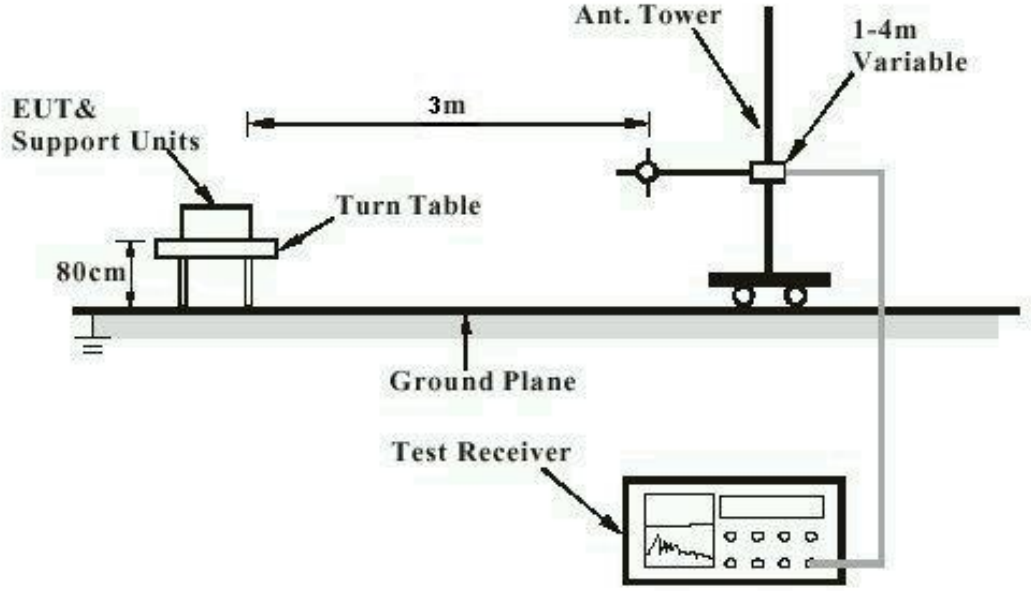


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

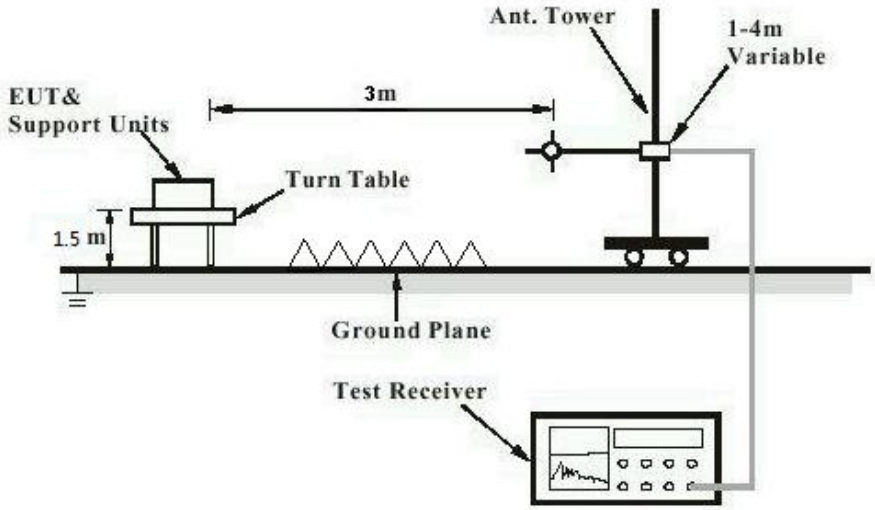
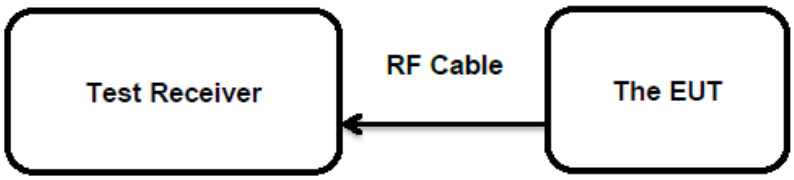


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



5. Test Results

5.1. Transmitter Requirement & Test Suites

5.1.1.Antenna Requirement

RESULT: **Passed**

Test standard	:	FCC Part 15.247(b)(4) and Part 15.203 RSS-Gen 6.7
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 1 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT photo for details.

5.1.2. Peak Output Power

RESULT: **Passed**

Test date	:	2017-05-20
Test standard	:	FCC Part 15.247(b)(3) RSS-247 Clause 5.4(2)&(4)
Basic standard	:	ANSI C63.10: 2013
Limit	:	1 Watt
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 4: Test result of Peak Output Power

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	-3.18	0.00048	1
Middle Channel	2440	-3.34	0.00046	1
High Channel	2480	-3.45	0.00045	1

5.1.3.Conducted Power Spectral Density

RESULT: **Passed**

Test date	:	2017-05-20
Test standard	:	FCC Part 15.247(e) RSS-247 Clause 5.2(2)
Basic standard	:	ANSI C63.10: 2013
Limit	:	8dBm/3kHz
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 5: Test result of Conducted Power Spectral Density

Channel	Channel Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)
Low Channel	2402	-21.41	8
Middle Channel	2440	-21.49	8
High Channel	2480	-21.54	8

5.1.4.-6dB Bandwidth

RESULT: **Passed**

Date of testing	:	2017-05-20
Test standard	:	FCC Part 15.247(a)(2) RSS-247 Clause 5.2(1)
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 6: Test result of -6dB Bandwidth

Channel	Channel Frequency (MHz)	-6dB Bandwidth (kHz)	Limit (kHz)	Result
Low Channel	2402	777.2	500	Pass
Mid Channel	2440	772.8	500	Pass
High Channel	2480	781.5	500	Pass

5.1.5.99% Bandwidth

RESULT: **Passed**

Date of testing	:	2017-05-20
Test standard	:	RSS-Gen clause 6.6
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 7: Test result of 99% Bandwidth

Channel	Channel Frequency (MHz)	99% Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	1094	/	Pass
Mid Channel	2440	1090	/	Pass
High Channel	2480	1103	/	Pass

5.1.6.Conducted spurious emissions measured in 100kHz Bandwidth

RESULT: **Passed**

Date of testing	:	2017-05-20
Test standard	:	FCC part 15.247(d) RSS-247 Clause 5.5
Basic standard	:	ANSI C63.10: 2013
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ High
Operation mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

All emissions are more than 20dB below fundamental, details refer to Appendix 1.

5.1.7.Spurious Emission

RESULT: **Passed**

Date of testing	:	2017-05-20
Test standard	:	FCC part 15.247(d) FCC Part 15.205 RSS-247 Clause 3.3
Basic standard	:	ANSI C63.10: 2013
Limits	:	Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Table 4 & Table 5
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A
Ambient temperature	:	25℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Remark:
During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test setup photos.
Testing was carried out within frequency range 9kHz to the tenth harmonics.

For details refer to Appendix 1.

8. List of Tables

9. List of Photographs

List of Figures

Note 1: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

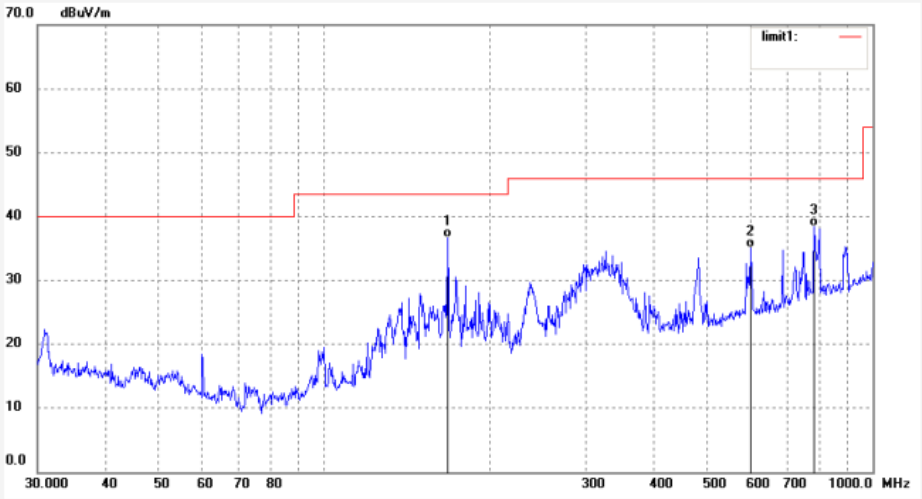
Figure 1: Test figure of spurious emissions, mode A.1, Horizontal polarity (30MHz – 1GHz)

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #2307	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	167.8242	50.57	-13.88	36.69	43.50	-6.81	QP			
2	599.3212	37.48	-2.38	35.10	46.00	-10.90	QP			
3	782.3452	38.09	0.41	38.50	46.00	-7.50	QP			

Figure 2: Test figure of spurious emissions, mode A.1, Vertical polarity (30MHz – 1GHz)

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ACCURATE TECHNOLOGY CO., LTD.
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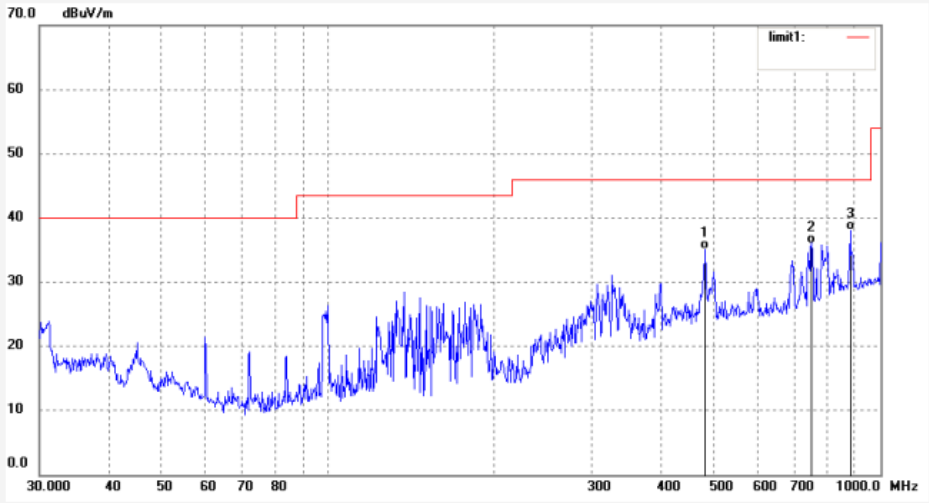
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #2306	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



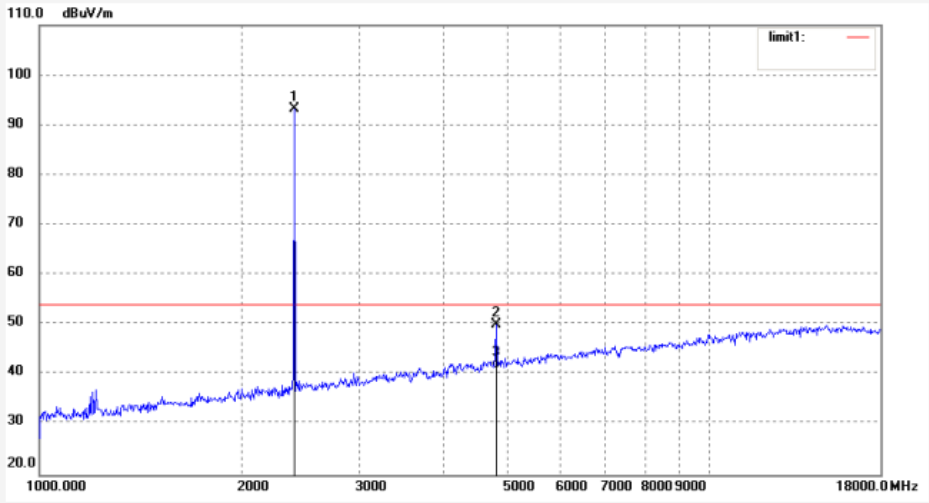
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	480.5276	39.91	-4.88	35.03	46.00	-10.97	QP			
2	750.1082	36.34	-0.29	36.05	46.00	-9.95	QP			
3	881.4067	36.06	2.04	38.10	46.00	-7.90	QP			

Figure 3: Test figure of spurious emissions, mode A.1, Horizontal polarity (1GHz –18GHz)

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #2280	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	94.79	-1.61	93.18	/	/	peak			
2	4804.023	45.04	4.90	49.94	74.00	-24.06	peak			
3	4804.023	36.31	4.90	41.21	54.00	-12.79	AVG			

Figure 4: Test figure of spurious emissions, mode A.1, Vertical polarity (1GHz – 18GHz)

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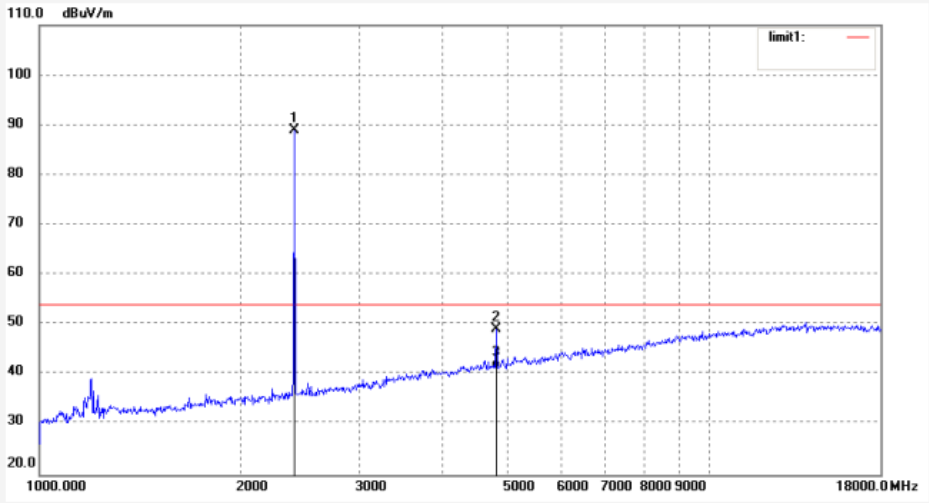
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #2281	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	90.58	-1.61	88.97	/	/	peak			
2	4804.027	44.15	4.90	49.05	74.00	-24.95	peak			
3	4804.027	36.44	4.90	41.34	54.00	-12.66	AVG			

Figure 5: Test figure of spurious emissions, mode A.2, Horizontal polarity (30MHz – 1GHz)

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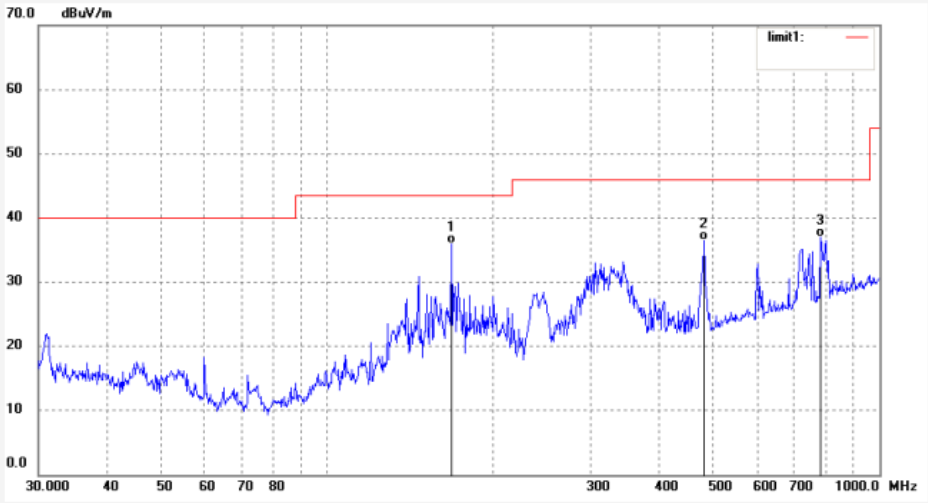
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #2308	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2440MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	167.8242	49.83	-13.88	35.95	43.50	-7.55	QP			
2	480.5276	41.29	-4.88	36.41	46.00	-9.59	QP			
3	782.3452	36.57	0.41	36.98	46.00	-9.02	QP			

Figure 6: Test figure of spurious emissions, mode A.2, Vertical polarity (30MHz – 1GHz)

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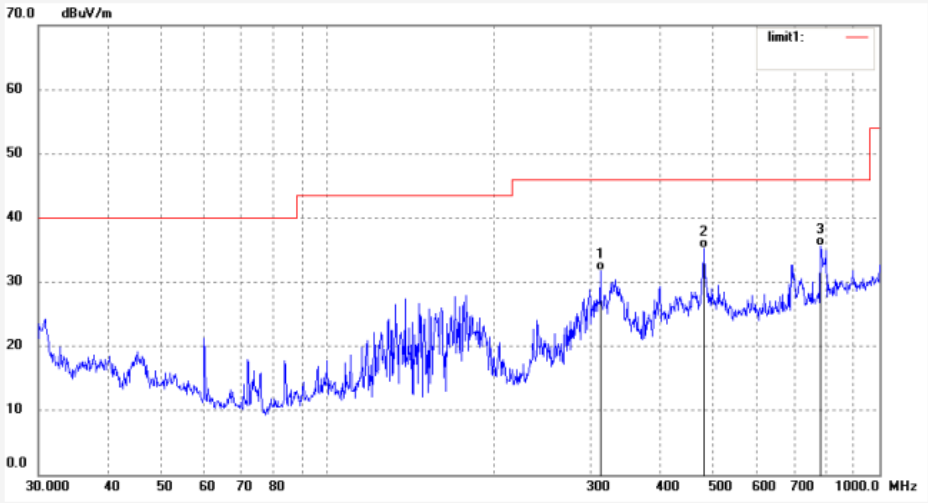
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #2309	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2440MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	312.1792	40.34	-8.66	31.68	46.00	-14.32	QP			
2	480.5276	40.14	-4.88	35.26	46.00	-10.74	QP			
3	782.3452	35.22	0.41	35.63	46.00	-10.37	QP			

Figure 7: Test figure of spurious emissions, mode A.2, Horizontal polarity (1GHz – 18GHz)

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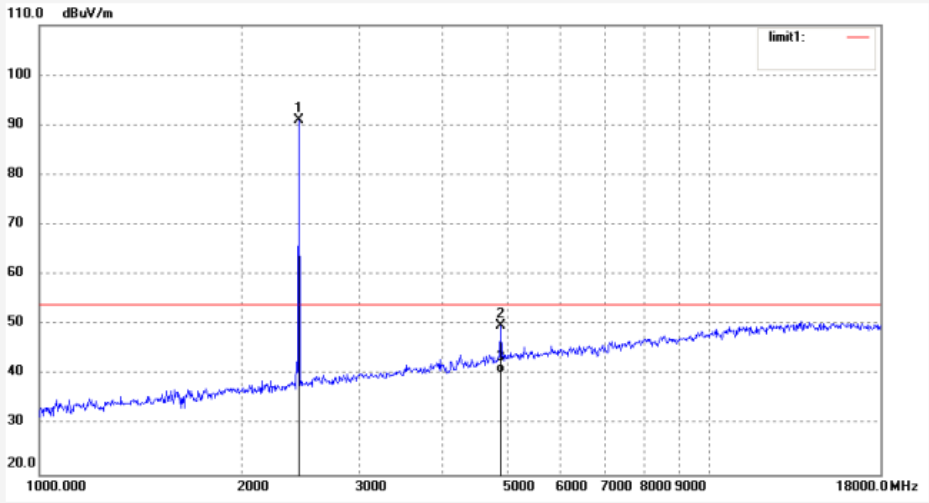
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #2284	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2440MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	92.41	-1.46	90.95	/	/	peak			
2	4880.024	44.16	5.60	49.76	74.00	-24.24	peak			
3	4880.024	34.71	5.60	40.31	54.00	-13.69	AVG			

Figure 8: Test figure of spurious emissions, mode A.2, Vertical polarity (1GHz – 18GHz)

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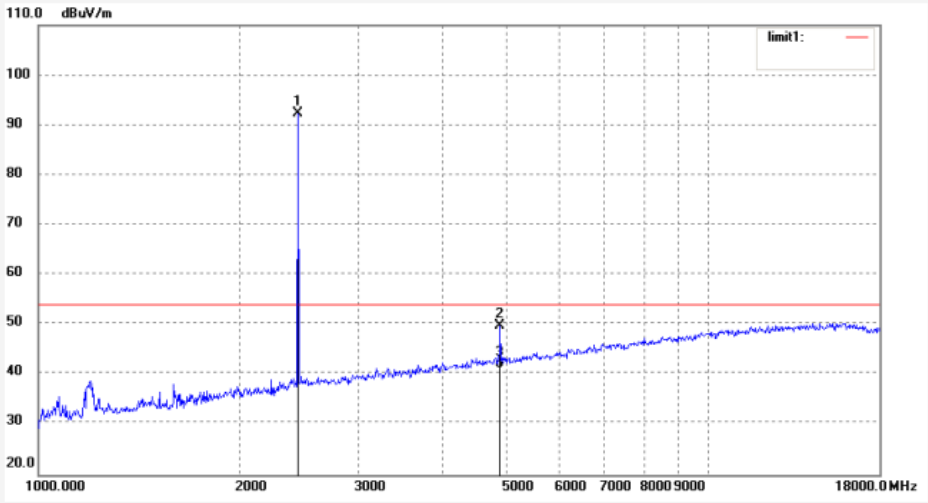
Job No.: LGW2017 #2285	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2440MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2440.000	93.87	-1.46	92.41	/	/	peak			
2	4880.026	44.15	5.60	49.75	74.00	-24.25	peak			
3	4880.026	35.74	5.60	41.34	54.00	-12.66	AVG			

Figure 9: Test figure of spurious emissions, mode A.3, Horizontal polarity (30MHz – 1GHz)

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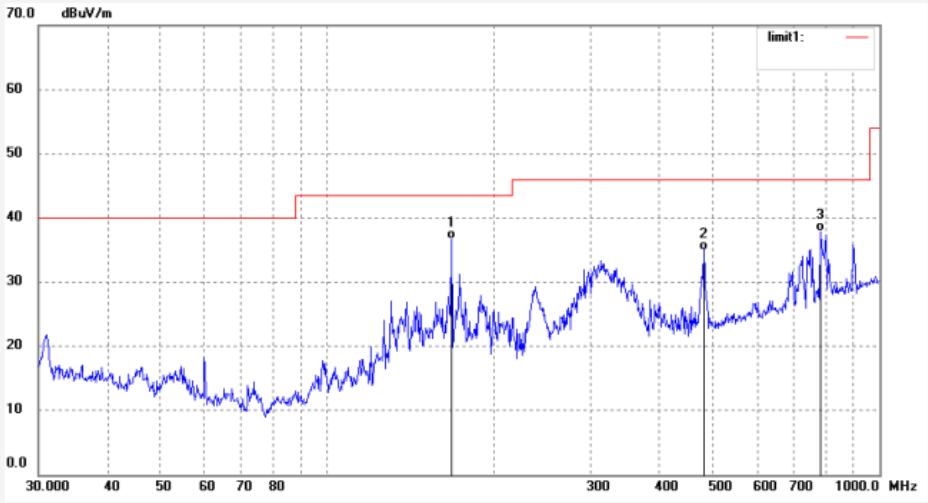
Job No.: LGW2017 #2311	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2480MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	167.8242	50.53	-13.88	36.65	43.50	-6.85	QP			
2	480.5276	39.88	-4.88	35.00	46.00	-11.00	QP			
3	782.3452	37.53	0.41	37.94	46.00	-8.06	QP			

Figure 10: Test figure of spurious emissions, mode A.3, Vertical polarity (30MHz – 1GHz)

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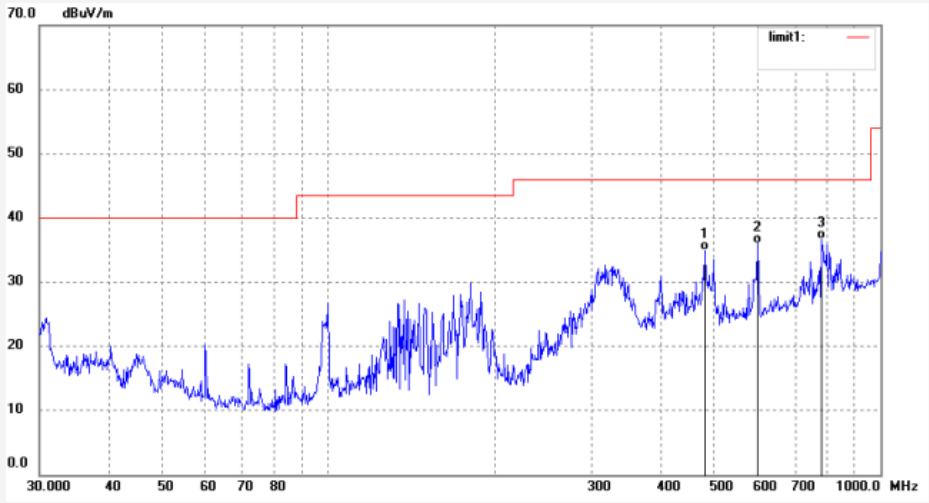
Job No.: LGW2017 #2310	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2480MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	480.5276	39.84	-4.88	34.96	46.00	-11.04	QP			
2	599.3212	38.42	-2.38	36.04	46.00	-9.96	QP			
3	782.3452	36.17	0.41	36.58	46.00	-9.42	QP			

Figure 11: Test figure of spurious emissions, mode A.3, Horizontal polarity (1GHz –18GHz)

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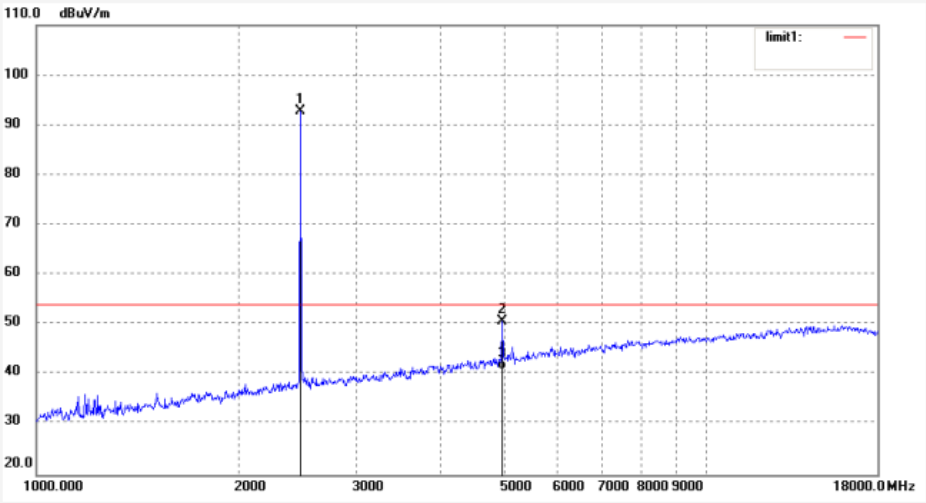
Job No.: LGW2017 #2287	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2480MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	94.28	-1.40	92.88	/	/	peak			
2	4960.025	44.64	6.10	50.74	74.00	-23.26	peak			
3	4960.025	35.01	6.10	41.11	54.00	-12.89	AVG			

Figure 12: Test figure of spurious emissions, mode A.3, Vertical polarity (1GHz – 18GHz)

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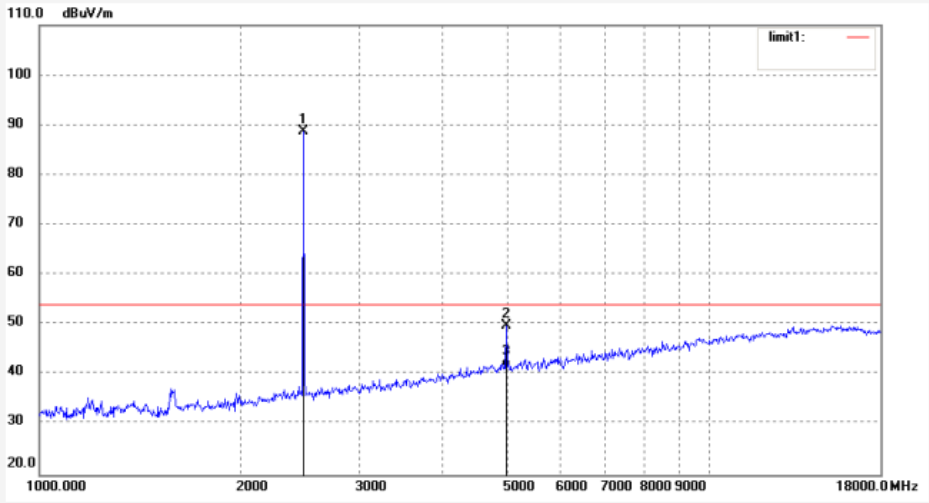
Job No.: LGW2017 #2286
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: SoundMoovz
Mode: TX 2480MHz
Model: BMZ001
Manufacturer: Dmet Products Corp.

Polarization: Vertical
Power Source: DC 3V
Date: 2017/05/20
Time:
Engineer Signature: WADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	90.08	-1.40	88.68	/	/	peak			
2	4960.028	43.68	6.10	49.78	74.00	-24.22	peak			
3	4960.028	35.36	6.10	41.46	54.00	-12.54	AVG			

Figure 13: Test figure of Radiated emissions in restricted bands, Mode A.1, Horizontal

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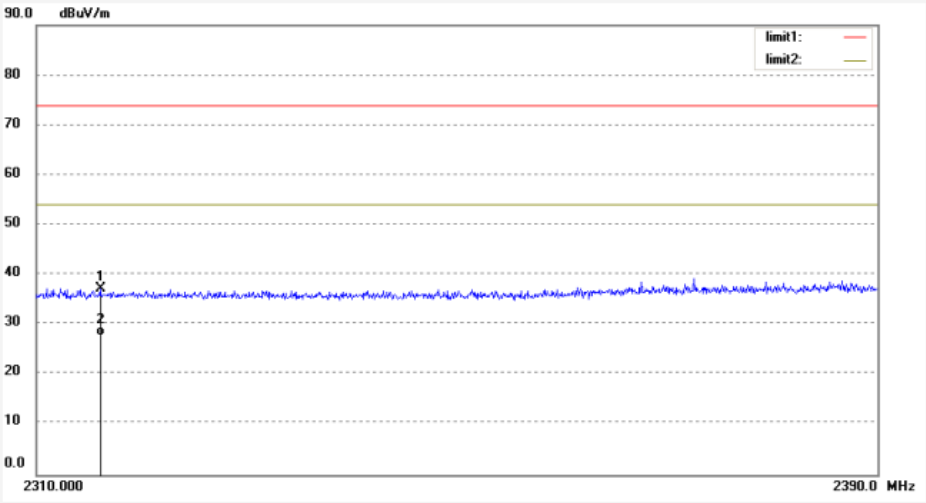
Job No.: LGW2017 #2283	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2316.000	39.34	-2.03	37.31	74.00	-36.69	peak			
2	2316.000	29.77	-2.03	27.74	54.00	-26.26	AVG			

Figure 14: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical

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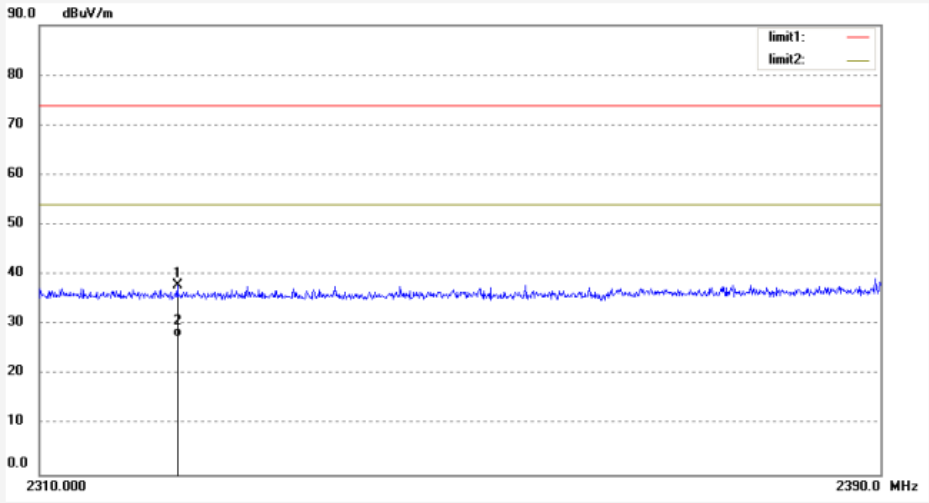
Job No.: LGW2017 #2282	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2402MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2322.960	39.91	-2.03	37.88	74.00	-36.12	peak			
2	2322.960	29.59	-2.03	27.56	54.00	-26.44	AVG			

Figure 15: Test figure of Radiated emissions in restricted bands, Mode A.3, Horizontal

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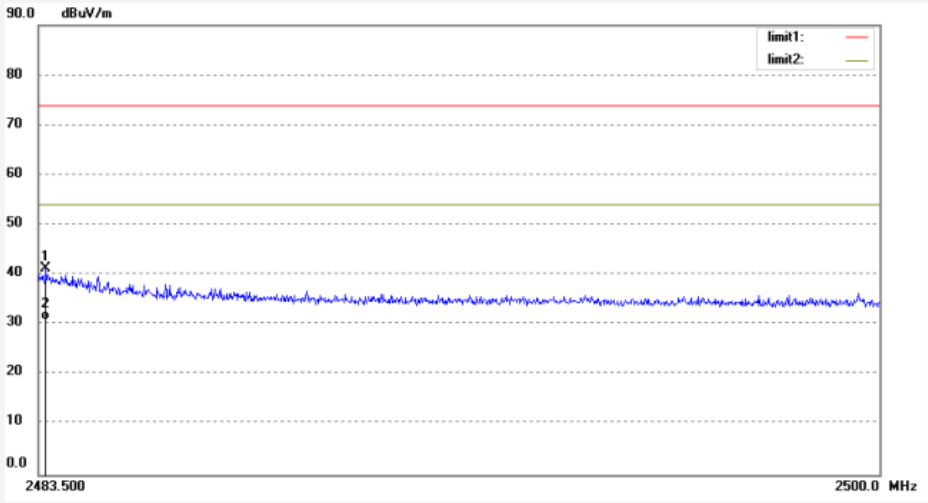
Job No.: LGW2017 #2288	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2480MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.648	42.62	-1.40	41.22	74.00	-32.78	peak			
2	2483.648	32.43	-1.40	31.03	54.00	-22.97	AVG			

Figure 16: Test figure of Radiated emissions in restricted bands, Mode A.3, Vertical

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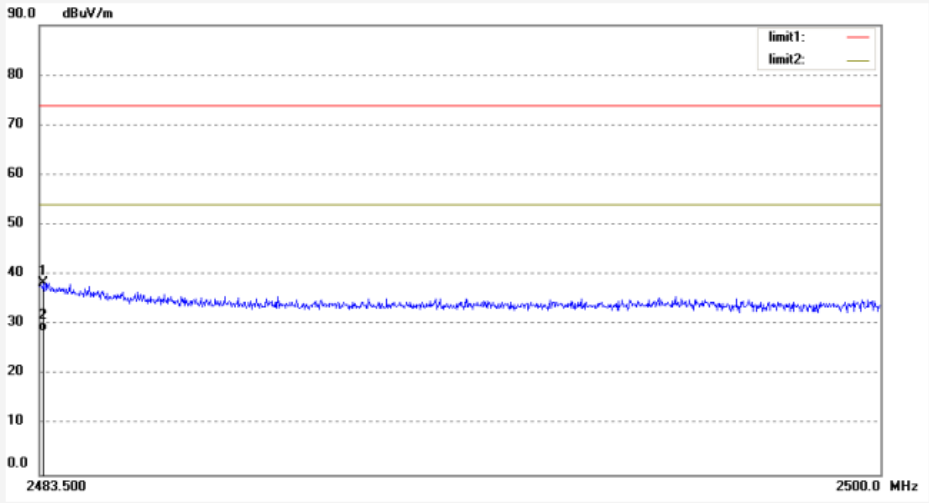
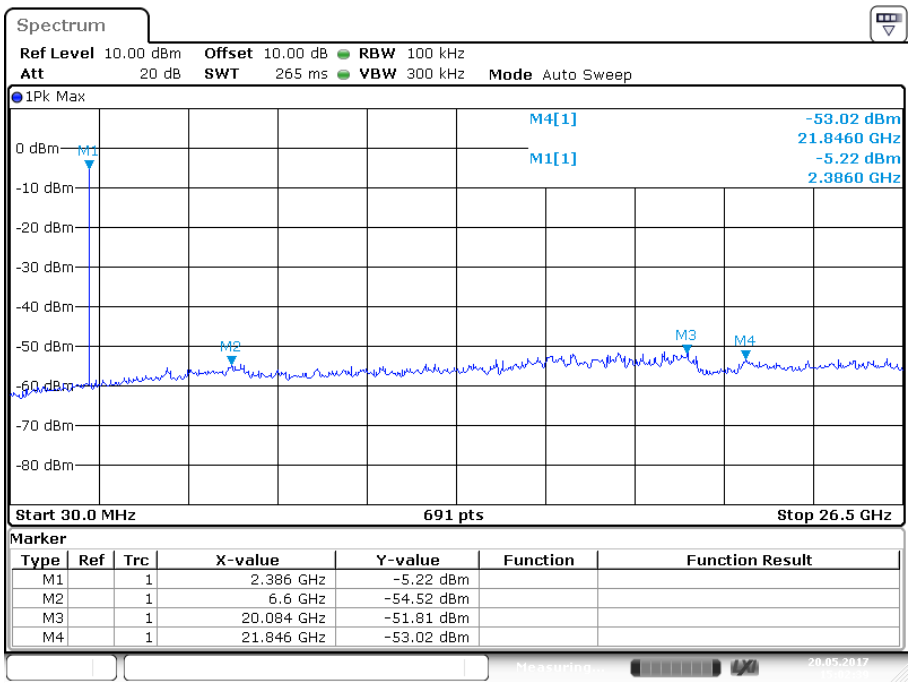
Job No.: LGW2017 #2289	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3V
Test item: Radiation Test	Date: 2017/05/20
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: SoundMoovz	Engineer Signature: WADE
Mode: TX 2480MHz	Distance: 3m
Model: BMZ001	
Manufacturer: Dmet Products Corp.	

Note:



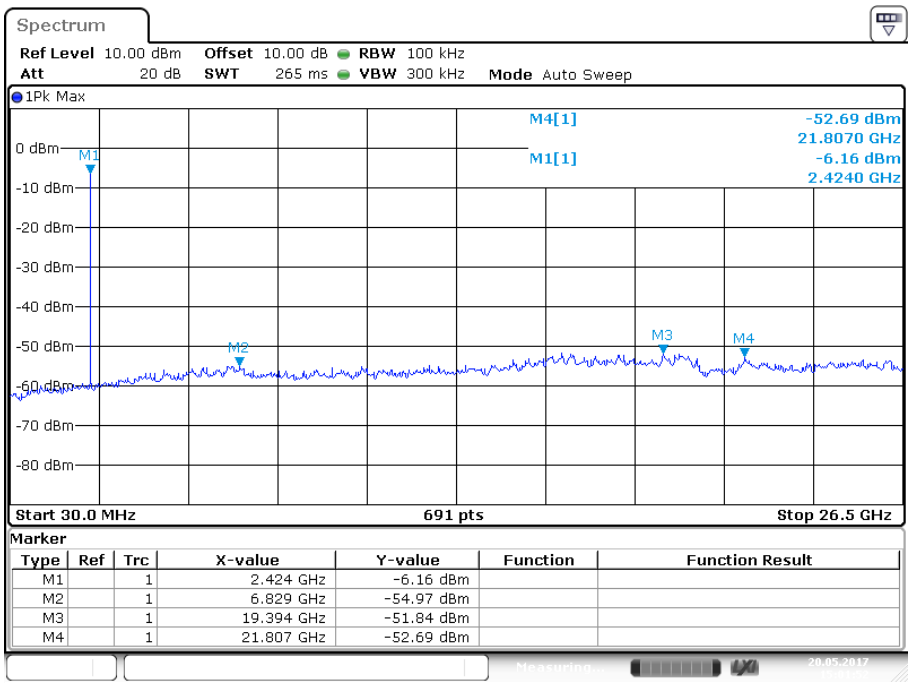
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.582	39.87	-1.40	38.47	74.00	-35.53	peak			
2	2483.582	30.04	-1.40	28.64	54.00	-25.36	AVG			

Figure 17: Test figure of conducted emissions in 100kHz Bandwidth, Mode A.1



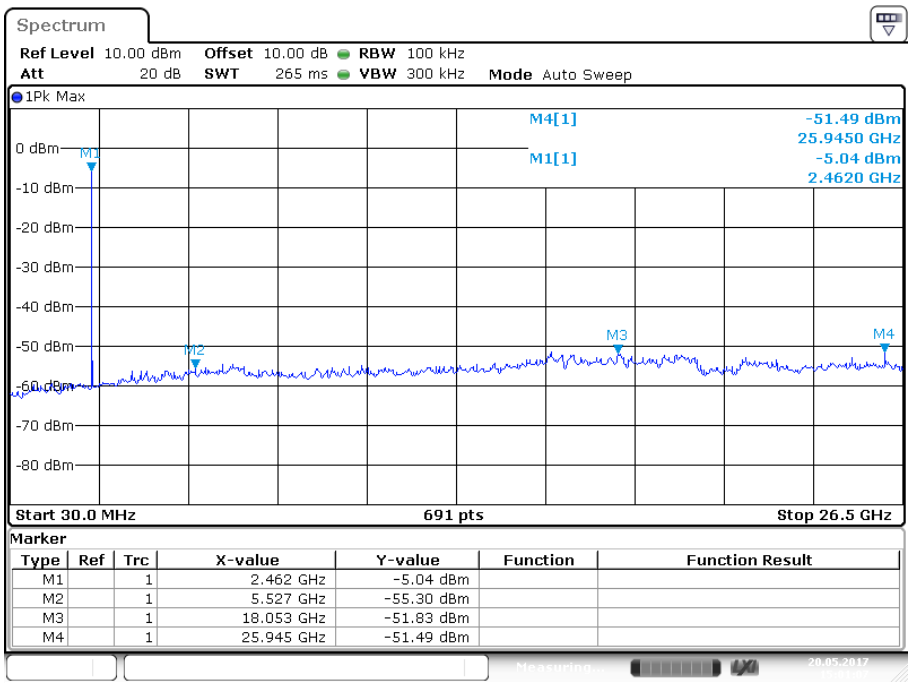
Date: 20.MAY.2017 15:02:39

Figure 18: Test figure of conducted emissions in 100kHz Bandwidth, Mode A.2



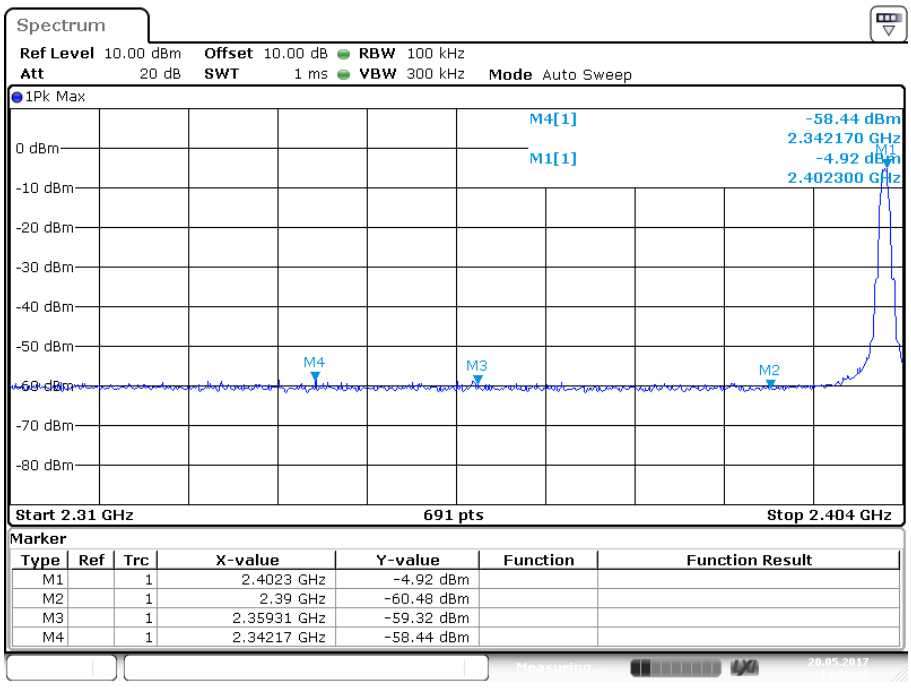
Date: 20.MAY.2017 15:01:53

Figure 19: Test figure of conducted emissions in 100kHz Bandwidth, Mode A.3



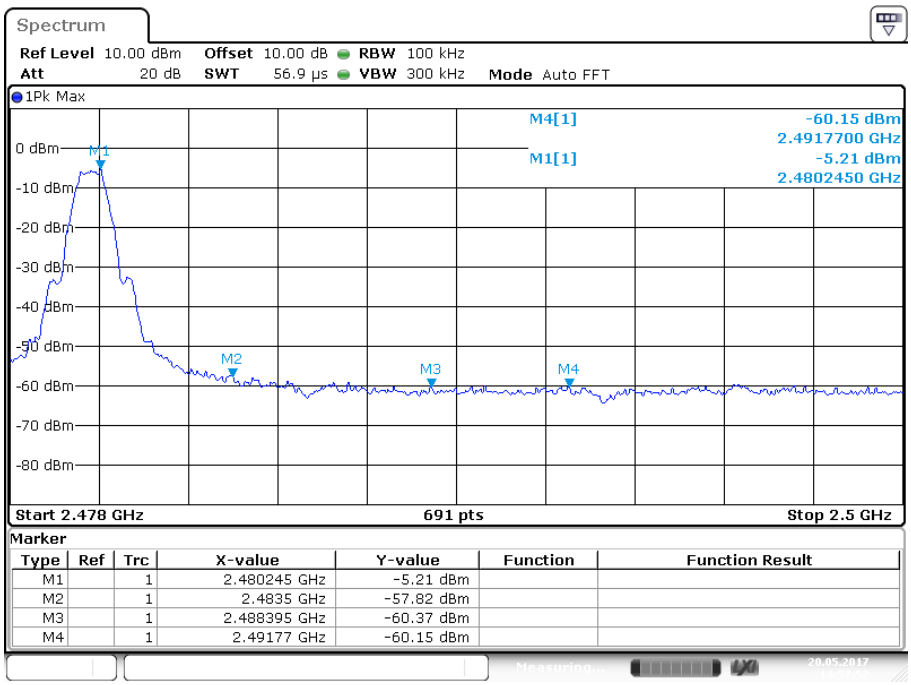
Date: 20.MAY.2017 15:01:07

Figure 20: Test figure of Frequency Band Edge in 100kHz Bandwidth, Mode A.1



Date: 20.MAY.2017 14:56:39

Figure 21: Test figure of Frequency Band Edge in 100kHz Bandwidth, Mode A.3



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