# FCC Test Report FCC ID: ZY9-A20130

**Product: Moon Mountain Sound Machine** 

Trade Name: N/A

Model Number: GP-A269

Family Model: N/A

Report No.: S20120400609002

## **Prepared for**

Shenzhen Great Power Innovation And Technology Enterprise Co., Ltd.
No. 331, No. 335, Guiyue Road, Dafu Community,
Guanlan Street, Longhua District, Shenzhen

## Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.

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# **TEST RESULT CERTIFICATION**

Applicant's name:	Shenzhen	Great Power Innovation And Technology Enterprise Co., Ltd.
		lo. 335, Guiyue Road, Dafu Community, Guanlan Street, District, Shenzhen
Manufacturer's Name:	Shenzhen	Great Power Innovation And Technology Enterprise Co., Ltd.
		lo. 335, Guiyue Road, Dafu Community, Guanlan Street, District, Shenzhen
Product description		
Product name:	Moon Mou	intain Sound Machine
Model and/or type reference :	GP-A269	
results show that the equipment unapplicable only to the tested sample. This report shall not be reproduced	KDB 6801 een tested l der test (El e identified except in fi t may be al	10:2013 06 D01 RF Exposure Wireless Charging App v03 by Shenzhen NTEK Testing Technology Co., Ltd., and the test JT) is in compliance with the FCC requirements. And it is in the report. ull, without the written approval of Shenzhen NTEK Testing tered or revised by Shenzhen NTEK Testing Technology Co.,
The test results of this report relate  Date of Test	-	tested sample identified in this report.
Date (s) of performance of tests.	:	04 Dec. 2020 ~ 07 Apr. 2021
Date of Issue	:	07 Apr. 2021
Test Result	:	Pass
Testing Engine	eer :	(Mary Hu)
Technical Man	ager :	Jason Chen)
Authorized Sig	natory:	Alex
		(Alex Li)

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# 1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission								
Standard Test Item FCC Rules Limit Judgment Rem								
FCC part 15C:2018 ANSI C63.10:2013	Conducted Emission	§15.207	Class B	PASS				
	Radiated Emission	§15.209	Class B	PASS				
	ANTENNA APPLICATION	§15.203	/	PASS				

## NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report
- (2) For client's request and manual description, the test will not be executed.

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Certificate #4298.01 Report No.: S20120400609002

#### 1.1 FACILITIES AND ACCREDITATIONS

All measurement facilities used to collect the measurement data are located at

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

## 1.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

CNAS-Lab. : The Certificate Registration Number is L5516.

IC-Registration : The Certificate Registration Number is 9270A-1.

FCC- Accredited : Test Firm Registration Number: 463705.

Designation Number: CN1184

A2LA-Lab. : The Certificate Registration Number is 4298.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for

the competence of testing and calibration laboratories.

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Name of Firm : Shenzhen NTEK Testing Technology Co., Ltd.

Site Location : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang

Street, Bao'an District, Shenzhen 518126 P.R. China.

#### 1.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $\mathbf{y} \pm \mathbf{U}$ , where expended uncertainty  $\mathbf{U}$  is based on a standard uncertainty multiplied by a coverage factor of  $\mathbf{k=2}$ , providing a level of confidence of approximately 95 %.

#### A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKC01	ANSI	150 KHz ~ 30MHz	3.2	

#### B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKA01	ANSI	30MHz ~ 1000MHz	4.7	
		1GHz ~12.4GHz	5.0	

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## **Revision History**

Report No.	Version	Description	Issued Date
Nopoli No.	VOI 31011	Description	133dCd Date
S20120400609002	Rev.01	Initial issue of report	07 Apr. 2021
	_		

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# 2. GENERAL INFORMATION

## 2.1 GENERAL DESCRIPTION OF EUT

Product Feature and Specification				
Equipment	Moon Mountain Sound Machine			
Trade Name	N/A			
FCC ID	ZY9-A20130			
Model No.	GP-A269			
Family Model	N/A			
Model Difference	N/A			
Operating Frequency	111KHz~175KHz			
Modulation Technique	Induction			
Antenna Type	Induction coil			
	☑DC supply: Input: DC 9V Output: 9V-2.5A			
Power supply				
Output	Wireless Output: 10W			
Battery	N/A			
Hardware Version	V00			
Software Version	V00			

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## 2.1.1 DESCRIPTION OF TEST MODES

## **EUT Configuration**

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

#### **EUT Exercise**

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

The following summary table is showing all test modes to demonstrate in compliance with the standard.

Test Cases					
Test Item Data Rate/ Modulation					
AC Conducted Mode 1: Max load*					
Radiated Test Cases	Mode 1: Max load				

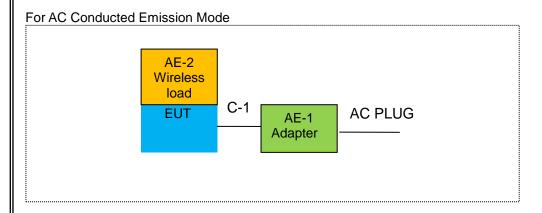
(\*)EUT can only access the specified load, can not adjust the size of the load

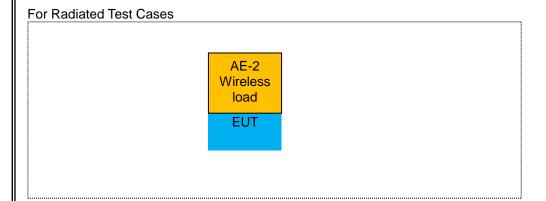
Carrier Frequency and Channel list:

Channel	Frequency(MHz)
1	0.111
2	0.155
3	0.175

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## 2.2 DESCRIPTION OF TEST SETUP





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## 2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
AE-1	Adapter	N/A	SAW24-090-2500U	N/A	Peripherals
AE-2	Wireless load	N/A	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	USB cable	YES	NO	1.2m	

## Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) "YES" means "shielded" "with core"; "NO" means "unshielded" "without core".

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## 2.4 MEASUREMENT INSTRUMENTS LIST

Radiation Test equipment

	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2020.05.11	2021.05.10	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2020.07.13	2021.07.12	1 year
4	Test Receiver	R&S	ESPI	101318	2020.05.11	2021.05.10	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2020.05.11	2021.05.10	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	1 year
7	Amplifier	EMC	EMC051835 SE	980246	2020.07.13	2021.07.12	1 year
8	Amplifier	MITEQ	TTA1840-35- HG	177156	2020.07.13	2021.07.12	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2020.07.13	2021.07.12	1 year
10	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2019.08.06	2022.08.05	3 year
11	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2019.08.06	2022.08.05	3 year

# Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2020.05.11	2021.05.10	1 year
2	LISN	R&S	ENV216	101313	2020.05.11	2021.05.10	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2020.05.11	2021.05.10	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11	2023.05.10	1 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2020.05.11	2023.05.10	3 year

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## 3. EMC EMISSION TEST

## 3.1 CONDUCTED EMISSION MEASUREMENT

## 3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

	limit		
FREQUENCY (MHz)	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	
0.50 -5.0	56.00	46.00	
5.0 -30.0	60.00	50.00	

## Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

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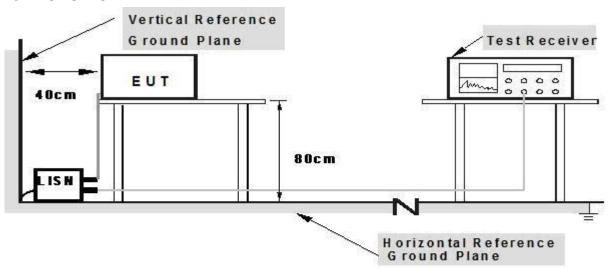




#### 3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 3.1.3 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

#### 3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

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## 3.1.5 TEST RESULTS

All the modulation modes have been tested, and the worst result was report as below:

I⊢III.	Moon Mountain Sound Machine	Model Name. :	GP-A269
Temperature:	<b>23.1</b> ℃	Relative Humidity:	41%
Pressure:	1010hPa	Phase :	L
Test Mode:	High frequency/Max Load	LIACT MOITANA:	DC 9V from adapter AC 120V/60Hz

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Damadı
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1539	47.45	9.56	57.01	65.78	-8.77	QP
0.1539	32.94	9.56	42.50	55.78	-13.28	AVG
0.1940	43.89	9.55	53.44	63.86	-10.42	QP
0.1940	32.04	9.55	41.59	53.86	-12.27	AVG
0.2500	37.63	9.54	47.17	61.75	-14.58	QP
0.2500	24.59	9.54	34.13	51.75	-17.62	AVG
0.2940	33.21	9.54	42.75	60.41	-17.66	QP
0.2940	23.46	9.54	33.00	50.41	-17.41	AVG
0.3899	27.25	9.55	36.80	58.06	-21.26	QP
0.3899	18.21	9.55	27.76	48.06	-20.30	AVG
0.4580	26.29	9.55	35.84	56.73	-20.89	QP
0.4580	17.45	9.55	27.00	46.73	-19.73	AVG

## Remark:

- 1. All readings are Quasi-Peak and Average values.



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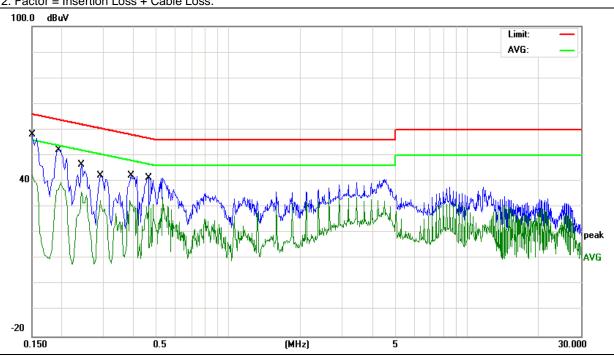


I <b>-</b> I I I '	Moon Mountain Sound Machine	Model Name. :	GP-A269
Temperature:	<b>23.1</b> ℃	Relative Humidity:	41%
Pressure:	1010hPa	Phase :	N
Test Mode:	High frequency/Max Load	Test Voltage:	DC 9V from adapter AC 120V/60Hz

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1500	48.69	9.55	58.24	65.99	-7.75	QP
0.1500	33.11	9.55	42.66	55.99	-13.33	AVG
0.1940	42.62	9.54	52.16	63.86	-11.70	QP
0.1940	30.14	9.54	39.68	53.86	-14.18	AVG
0.2419	36.95	9.54	46.49	62.03	-15.54	QP
0.2419	26.38	9.54	35.92	52.03	-16.11	AVG
0.2899	32.68	9.53	42.21	60.52	-18.31	QP
0.2899	23.06	9.53	32.59	50.52	-17.93	AVG
0.3860	32.76	9.54	42.30	58.15	-15.85	QP
0.3860	23.00	9.54	32.54	48.15	-15.61	AVG
0.4620	31.90	9.54	41.44	56.66	-15.22	QP
0.4620	21.63	9.54	31.17	46.66	-15.49	AVG

## Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Factor = Insertion Loss + Cable Loss.



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#### 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

## 15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	( <sup>2</sup> )
13.36-13.41			

## Notes

- (1) Measurement was performed at an antenna to the closed point of EUT distance of meters.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).
- (3) Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of 15.205, and the emissions located in restricted bands also comply with 15.209 limit.
- (4) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector

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#### 3.2.2 TEST PROCEDURE

## Test Arrangement for Radiated Emissions up to 1 GHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited test facility. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna (Blow 30M, use loop antenna), and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for quasi-peak detection (QP) at frequency below 1GHz.

## Test Arrangement for Radiated Emissions above 1 GHz.

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Use the following receiver/spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW=200Hz for 9KHz to 150KHz,

RBW=9kHz for 150KHz to 30MHz,

RBW=120KHz for 30MHz to 1GHz

VBW ≥ 3\*RBW

Sweep = auto

Detector function = QP

Trace = max hold

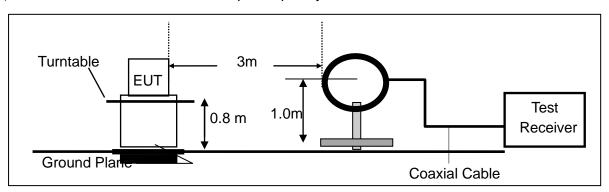
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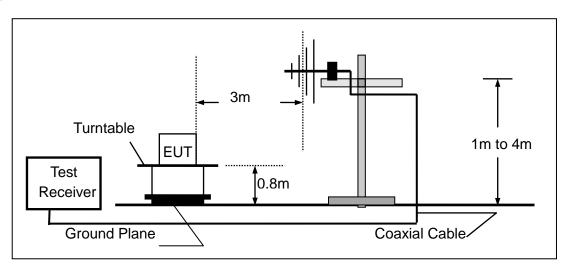


## 3.2.3 TEST SETUP

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



(b) For Radiated Emission 30~1000MHz



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## 3.2.4 TEST RESULTS

## TEST RESULTS (9KHz~30MHz)

All the modulation modes have been tested, and the worst result was report as below:

<b> -         </b>	Moon Mountain Sound Machine	Model Name. :	GP-A269
Temperature:	<b>24</b> ℃	Relative Humidity:	54%
Pressure:	1010 hPa	Test Power:	DC 9V
Test Mode :	Low frequency/Max Load	Polarization :	Х

Frequency	Ant.Pol.	Emissio n Level	Limits	Margin	Remark
(MHz)		(dBuV/m)	(dBuV/m)	(dB)	
0.058	Χ	44.59	112.3	-67.7	Avg
0.111	Х	65.59	106.7	-41.1	Avg(fundamental frequency)
0.626	Х	45.24	71.67	-26.43	QP
2.826	Х	37.56	69.54	-31.98	QP
4.957	Х	43.05	69.54	-26.49	QP
19.278	Χ	35.26	69.54	-34.28	QP

## Note:

Below 30MHz, Pre-test the X, Y, Z axis to find X axis is worst case, so only record X axis test data.

- X: Field strength which this device generates since the position of the charging coil and loop antenna differ by 0 degrees.
- Y: Field strength which this device generates since the position of the charging coil and loop antenna differ by 90 degrees.
- Z: Field strength which this device generates since the position of the charging coil and loop antenna differ by 180 degrees.

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Moon Mountain Sound EUT: GP-A269 Model Name.: Machine 24 ℃ Relative Humidity: 54% Temperature: DC 9V Pressure: 1010 hPa Test Power: Test Mode: Mid frequency/Max Load Polarization: Χ

Report No.: S20120400609002

Frequency	Ant.Pol.	Emission Level	Limits	Margin	Remark
(MHz)		(dBuV/m)	(dBuV/m)	(dB)	
0.051	X	41.36	113.45	-72.09	Avg
0.135	×	69.98	105.00	-35.02	Avg(fundamental frequency)
0.575	X	38.52	72.41	-33.89	QP
0.830	X	34.89	69.22	-34.33	QP
1.521	X	33.56	63.96	-30.40	QP
7.121	X	48.21	69.54	-21.33	QP

#### Note:

Below 30MHz, Pre-test the X, Y, Z axis to find X axis is worst case, so only record X axis test data.

- X: Field strength which this device generates since the position of the charging coil and loop antenna differ by 0 degrees.
- Y: Field strength which this device generates since the position of the charging coil and loop antenna differ by 90 degrees.
- Z: Field strength which this device generates since the position of the charging coil and loop antenna differ by 180 degrees.

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Moon Mountain Sound EUT: GP-A269 Model Name.: Machine 24 ℃ Relative Humidity: 54% Temperature: DC 9V Pressure: 1010 hPa Test Power: Test Mode: High frequency/Max Load Polarization: Χ

Report No.: S20120400609002

Frequenc	Ant.Pol.	Emission Level	Limits	Margin	Remark
(MHz)		(dBuV/m)	(dBuV/m)	(dB)	
0.056	X	37.95	112.64	-74.69	Avg
0.175	Х	68.92	102.74	-33.82	Avg(fundamental
0.173		00.92	102.74	-55.02	frequency)
0.496	X	40.35	73.69	-33.34	QP
1.489	X	36.08	64.15	-28.07	QP
5.456	X	35.68	69.54	-33.86	QP
7.959	X	33.49	69.54	-36.05	QP

#### Note:

Below 30MHz, Pre-test the X, Y, Z axis to find X axis is worst case, so only record X axis test data.

- X: Field strength which this device generates since the position of the charging coil and loop antenna differ by 0 degrees.
- Y: Field strength which this device generates since the position of the charging coil and loop antenna differ by 90 degrees.
- Z: Field strength which this device generates since the position of the charging coil and loop antenna differ by 180 degrees.

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# TEST RESULTS (30MHz ~1000MHz)

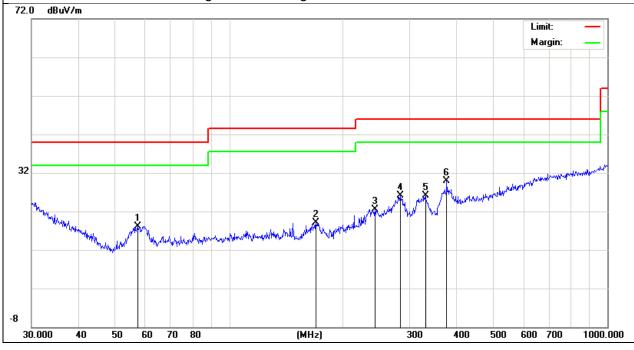
All the modulation modes have been tested, and the worst result was report as below:

F() '·	Moon Mountain Sound Machine	Model Name. :	GP-A269
Temperature:	<b>24.6</b> ℃	Relative Humidity:	49%
Pressure:	1010 hPa	Test Power:	DC 9V
Test Mode :	High frequency/Max Load	Polarization :	Horizontal

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	remark
Н	57.1914	10.28	7.81	18.09	40.00	-21.91	QP
Н	169.5989	8.22	10.96	19.18	43.50	-24.32	QP
Н	242.5252	9.49	13.04	22.53	46.00	-23.47	QP
Н	282.9852	11.32	14.87	26.19	46.00	-19.81	QP
Н	330.1949	10.50	15.69	26.19	46.00	-19.81	QP
Н	375.9384	12.92	17.07	29.99	46.00	-16.01	QP

## Remark:

Emission Level= Meter Reading+ Factor, Margin= Emission Level- Limit.



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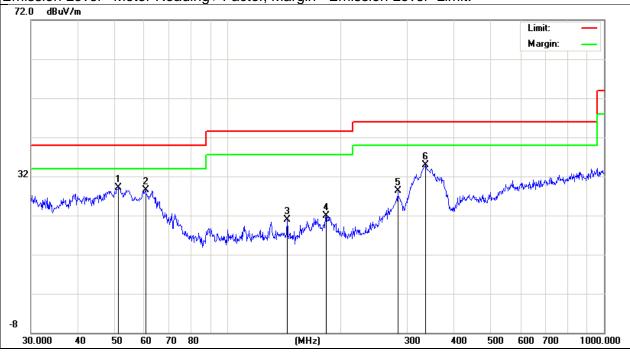


H-111.	Moon Mountain Sound Machine	Model Name. :	GP-A269
Temperature:	<b>24.6</b> ℃	Relative Humidity:	49%
Pressure:	1010 hPa	Test Power:	DC 9V
Test Mode :	High frequency/Max Load	Polarization :	Vertical

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	51.3004	22.03	7.07	29.10	40.00	-10.90	QP
V	60.4919	20.31	8.24	28.55	40.00	-11.45	QP
V	143.8294	10.19	10.71	20.90	43.50	-22.60	QP
V	182.5592	11.11	10.76	21.87	43.50	-21.63	QP
V	282.9852	13.50	14.87	28.37	46.00	-17.63	QP
V	334.8589	19.07	15.80	34.87	46.00	-11.13	QP

## Remark:

Emission Level= Meter Reading+ Factor, Margin= Emission Level- Limit.



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## Å. BANDWIDTH TEST

## 4.1 TEST PROCEDURE

- 1). The transmitter output (antenna port) was connected to the spectrum analyzer in peak mode.
- 2). 20dB Bandwidth the resolution bandwidth of 1 kHz and the video bandwidth of 1 kHz were used.
- 3). Measured the spectrum width with power higher than 20dB below carrier.

## 4.2 TEST SETUP

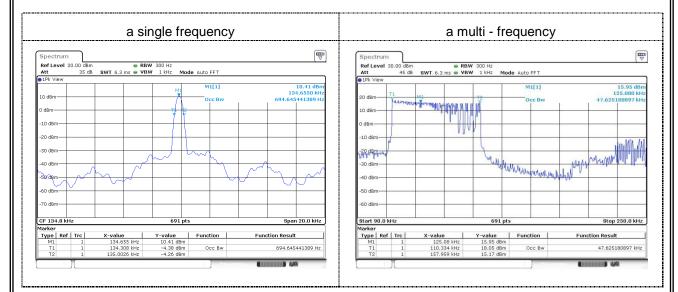


#### 4.3 TEST RESULT

All the modulation modes have been tested, and the worst result was report as below:

All the modulation modes have been tested, and the worst result was report as below.								
HIII.	Moon Mountain Sound Machine	Model Name. :	GP-A269					
Temperature:	<b>24</b> ℃	Relative Humidity:	54%					
Pressure:	1010 hPa	Test Mode :	Operating maxload					
Test Power:	DC 9V							

99% Bandwidth- a single	F <sub>L</sub>	F <sub>H</sub>	Note: $F_L$ >110kHz, $F_H$ <495kHz,
frequency (Hz)	(kHz)	(kHz)	compliance with the Restricted bands
694.654	110.334	157.959	requirements according to Part 15.205



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## 5. ANTENNA APPLICATION

## **5.1 Antenna Requirement**

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible partyshall be used with the device.

5.2 Result

The	FUT	antenna	is permanent	attached	antenna	It comply wi	th the	standard	requirement
HIE		antenna	is beillianeni	allacheu	antenna.	IL COMBDIV WI	ui uie	Stanuaru	reduirement

**END REPORT** 

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