



Spectrum Research & Testing Lab., Inc.

No.167, Ln. 780, Shan-Tong Rd., Ling 8, Shan-Tong Li, Chung-Li Dist., Taoyuan City 320, Taiwan (R.O.C.)

TEST REPORT

Reference No.: A17051604
Report No.: MPE17051604
FCC ID : 2ANH6-STM-SPKR
Page:1 of 7
Date: Jan. 03, 2018

Product Name: STM B.T Speaker
Model No.: STM
Applicant: TOPMORE TECHNOLOGY INC.
1F., No.101, Sec. 2, Jiafeng S. Rd., Zhubei City, Hsinchu County 302. Taiwan
Date of Receipt: May. 16, 2017
Finished date of Test: Jan. 02, 2018
Applicable Standards: KDB 447498
KDB 865664

We, **Spectrum Research & Testing Laboratory Inc.**, hereby certify that one sample of the above was tested in our laboratory with positive results according to the above-mentioned standards. The records in the report are an accurate account of the results. Details of the results are given in the subsequent pages of this report.

Tested By : Richard Lin , Date: 1/3/2018
(Richard Lin)

Approved By : Johnson Ho , Date: 1/3/2018
(Johnson Ho, Director)



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1. DOCUMENT POLICY AND TEST STATEMENT

1.1 DOCUMENT POLICY

- The report shall not be reproduced except in full, without the written approval of SRT Lab, Inc.

1.2 TEST STATEMENT

- The test results in the report apply only to the unit tested by SRT Lab.
- There was no deviation from the requirements of test standards during the test.
- DC power source, DC 5.0V from PC USB Port.

1.3 EUT MODIFICATION

- No modification in SRT Lab.

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2. DESCRIPTION OF EUT AND TEST MODE

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	STM B.T Speaker
MODEL NO.	STM
POWER SUPPLY	DC 5.0V from PC USB Port
FREQUENCY BAND	2.4 GHz ~ 2.4835 GHz
CARRIER FREQUENCY	2.402 GHz ~ 2.480 GHz
NUMBER OF CHANNEL	79
RATED RF OUTPUT POWER	-5.90dBm (0.26 mW)
MODULATION TYPE	GFSK, $\pi/4$ DQPSK, 8DPSK
MODE of OPERATION	Duplex
ANTENNA TYPE	Chip Antenna
ANTENNA GAIN	2.0 dBi

NOTE: For more detailed information, please refer to the EUT's specification or user's manual provided by manufacturer.

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3. RF POWER EXPOSURE EVALUATION TEST**3.1 LIMIT**

According to the requirements of Part 1.1310(e), KDB 447498 D01 General RF Exposure Guidance v06, Section7, and KDB 865664 D02 RF Exposure Reporting v01r02, section 2 .

Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Electric Field Strength(E) (V/m)	Magnetic Field Strength(H) (A/m)	Power density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength(E) (V/m)	Magnetic Field Strength(H) (A/m)	Power density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

NOTE 1: Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

NOTE 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.



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3.2 TEST PROCEDURE

1. The EUT was operating in Tx mode.
2. The EUT uses an Chip antenna, the antenna gain of 2 dBi is declared by the manufacturer.

$$S = PG / 4 \pi R^2$$

Where: S = power density

P = power input to antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

3.3 EUT OPERATING CONDITION

1. Setup the EUT and all peripheral devices .
2. Turn on the power of all equipment and EUT.
3. Set the EUT under continuous transmission condition mode.
4. The EUT was set to the highest available power level.

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3.4 CONNECT POWER AT THE ANTENNA CONNECTOR RESULT

Temperature:	22 °C	Humidity:	68 % RH
Spectrum Detector:	PK.	Tested Mode:	Tx
Tested By:	Richard	Tested Date:	Dec. 27, 2017

CHANNEL NUMBER	CHANNEL FREQUENCY (MHz)	MPE DISTANCE (cm)	ANTENNA GAIN (dBi)	PEAK POWER OUTPUT		CALCULATED RF EXPOSURE (mW/cm ²)	LIMIT (mW/cm ²)
				dBm	mW		
39	2441	20	2	-5.90	0.26	0.00081	1

NOTE: Limits for Occupational/Controlled Exposure