TEST REPORT

Product Name : Party Speaker
Model Number : SP525
FCC ID : 2BKF9-SP525

Prepared for	:	Sound Good (Hong Kong) Industrial Limited
Address	:	D3, 11 floor, LiuHe GongYe building, LiuHe Street, JiuLong district, Hong Kong, China
Prepared by	:	EMTEK (DONGGUAN) CO., LTD.
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Report Number	:	EDG2408150135E00102R
Date(s) of Tests	:	Aug 15, 2024 to Sep 19, 2024
Date of issue	:	Sep 20, 2024

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1. TEST RESULT CERTIFICATION

Applicant	:	Sound Good (Hong Kong) Industrial Limited
Address	:	D3, 11 floor, LiuHe GongYe building, LiuHe Street, JiuLong district, Hong Kong, China
Manufacturer	:	Huizhou Oppen Electronic Technology Co., LTD
Address	:	Floor 7, 8 and 9 of building 1, 2 and 3, No.19 binhe Avenue, Lilin Town, Zhongkai High-tech Zone, Huizhou, Guangdong, China
Factory	:	Huizhou Oppen Electronic Technology Co., LTD
Address	:	Floor 7, 8 and 9 of building 1, 2 and 3, No.19 binhe Avenue, Lilin Town, Zhongkai High-tech Zone, Huizhou, Guangdong, China
EUT	:	Party Speaker
Model Name	:	SP525
Trademark	:	N/A

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	**TEST RESULT**
FCC 1.1310：§1.1307(b)	**PASS**

The above equipment was tested by EMTEK(DONGGUAN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC 1.1310：§1.1307(b).

The test results of this report relate only to the tested sample identified in this report

Date of Test : Aug 15, 2024 to Sep 19, 2024

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Prepared by : Jessica Zhang

Jessica Zhang /Editor

Reviewer : Warren Deng

Warren Deng /Supervisor

Approve & Authorized Signer :

Sam Lv / Manager

Modified History

Version	Report No.	Revision Date	Summary
	EDG2408150135E00102R	/	Original Report

2. EUT Specification

Characteristics	Description
Product:	Party Speaker
Model Number:	SP525
Sample:	1#
Data Rate:	1Mbps for GFSK modulation 2Mbps for π/4-DQPSK modulation 3Mbps for 8DPSK modulation
Modulation:	GFSK, π/4-DQPSK, 8DPSK
Operating Frequency Range(s) :	2402-2480MHz
Number of Channels:	79 channels
Transmit Power Max:	-4.50 dBm(0.000355W)
Antenna Gain:	1.7 dBi
Power supply:	DC 5V from USB DC3.7V from battery
Evaluation applied:	☒ MPE Evaluation ☐ SAR Evaluation

3. Test Requirement

RF EXPOSURE EVALUATION

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency(RF) Radiation as specified in §1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density(mW/cm^2)	Average Time
(A) Limits for Occupational/Control Exposures				
300-1500	**--**	**--**	**F/300**	**6**
1500-100000	**--**	**--**	**5**	**6**
(B) Limits for General Population/Uncontrol Exposures				
300-1500	**--**	**--**	**F/1500**	**6**
1500-100000	**--**	**--**	**1**	**30**

Friis transmission formula: Pd= (Pout*G)\ (4*pi*R2)

Where

Pd= Power density in mW/cm^2

Pout=output power to antenna in mW

G= Numeric gain of the antenna relative to isotropic antenna

Pi=3.1416

R= distance between observation point and center of the radiator in cm

Pd the limit of MPE, $1mW/cm^2$. If we know the maximum gain of the nd total power input to the antenna, through the calculation, we will know the distance where the MPE limit is reached.

4. Measurement Result

Antenna gain: 1.7 dBi

Channel Freq. (MHz)	modulation	conducted power	Tune-up power (dBm)	Max		Antenna		Evaluation result	Power density Limits
		(dBm)		tune-up power		Gain		(mW/cm2)	(mW/cm2)
				(dBm)	(mW)	(dBi)	Numeric		
2402	GFSK	-5.74	-5±1	-4	0.398	1.70	1.48	0.0001	1
2441		-5.32	-5±1	-4	0.398	1.70	1.48	0.0001	1
2480		-5.49	-5±1	-4	0.398	1.70	1.48	0.0001	1
2402	π/4-DQPSK	-5.11	-5±1	-4	0.398	1.70	1.48	0.0001	1
2441		-4.94	-4±1	-3	0.501	1.70	1.48	0.0001	1
2480		-4.86	-4±1	-3	0.501	1.70	1.48	0.0001	1
2402	8-DPSK	-4.77	-4±1	-3	0.501	1.70	1.48	0.0001	1
2441		-4.5	-4±1	-3	0.501	1.70	1.48	0.0001	1
2480		-4.65	-4±1	-3	0.501	1.70	1.48	0.0001	1

*** End of Report ***