

# FCC TEST REPORT

## FCC ID: 2A16IHV-SK533BT

Product Name : Bluetooth speaker

Model Name : HV-SK533BT,HV-SK159BT,HV-SK539BT,HV-SK559BT,HV-SK560BT,HV-SK561BT,HV-SK562BT,HV-SK563BT,HV-SK565BT,HV-SK566BT

Brand : HAVIT

Report No. : PTC801551160714E-FC02

### Prepared for

Guangzhou Havit Technology Co.,LTD

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**TEST RESULT CERTIFICATION**

Applicant's name : Guangzhou Havit Technology Co.,LTD

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Manufacture's name : Guangzhou Havit Technology Co.,LTD

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Standards : FCC CFR47 Part 15 Section 15.247

Test procedure : ANSI C63.10:2013, DA 00-705

Test Date : Jul.15, 2016 ~ Jul.24, 2016

Date of Issue : Jul.25, 2016

Test Result : Pass

This device described above has been tested by PTS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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## 2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		

### 3 General Information

#### 3.1 General Description of the E.U.T.

Product Name	:	Bluetooth speaker
Model Name	:	HV-SK533BT,HV-SK159BT,HV-SK539BT,HV-SK559BT,HV-SK560BT,HV-SK561BT,HV-SK562BT,HV-SK563BT,HV-SK565BT,HV-SK566BT
Model Description	:	Only the models name is different
Bluetooth Version	:	V3.0
Operating frequency	:	2402-2480MHz,79channels
Antenna installation:	:	PCB Printed Antenna
Antenna Gain:	:	0dBi
The lowest oscillator:	:	26MHz
Type of Modulation	:	GFSK, Pi/4DQPSK, 8DPSK
Power supply	:	DC 3.7V 1500mAh Power by battery, DC 5V charging by USB port

## 4 RF Exposure

Test Requirement : FCC Part 1.1307

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

### 4.1 Requirements

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR where

$f(\text{GHz}) \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR where

1.  $f(\text{GHz})$  is the RF channel transmit frequency in GHz
2. Power and distance are rounded to the nearest mW and mm before calculation
3. The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

### 4.2 RESULT

BT Mode/CH	Conducted Peak power(dBm)	Conducted Peak power(mW)	Source-based time-averaged maximum conducted output power(mW)	Minimum test separation distance required for the exposure conditions (mm)	SAR Test Exclusion Thresholds
GFSK/Low 2402CH	4.54	2.844	2.844	5	0.882
Remark:					
BT: The power tune up tolerance is $4.0 \pm 1.0$ dBm					
Max. duty factor is 100%					
Calculation formula: Source-based time-averaged maximum conducted output power(mW) = Conducted peak power(mW) * Duty factor					

\*\*\*\*\*THE END REPORT\*\*\*\*\*