



# RF Exposure Report

According to  
FCC Part2.1093 & KDB 447498

**Applicant** : JS Products,Inc.  
**Address** : 6445 Montessouri Street Las Vegas, NV 89113  
**Manufacturer** : Ningbo Aston Optoelectronic Technology Co.,Ltd  
**Address** : Zhouhan Village Industry Zone,Yinzhou District,Ningbo,315195,P.R.of China  
**Equipment** : Bluetooth® Speaker Charger  
**Model No.** : TL60096  
**FCC ID** : 2AN8HTL60096  
**IC** : 23363-TL60096  
**Test Period** : Nov.23,2017~ Nov.25, 2017

- The test result refers exclusively to the test presented test model / sample.,
- Without written approval of **Cerpass Technology Corporation Test Laboratory**.. the test report shall not be reproduced except in full.
- The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Rules and Regulations Part 15. The test report has been issued separately.
- The test report must not be used by the clients to claim product certification approval by any agency of the Government.

Approved by:

Laboratory Accreditation:

Mark Liao / Assistant Manager



Cerpass Technology Corporation Test Laboratory

<b>TAF LAB Code:</b>	<b>1439</b>
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## Radio Frequency Exposure

### LIMIT

For 2.4G Band: According to §15.247(i), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See § 1.1307(b)(1) of this chapter.

**EUT Specification**

<b>EUT</b>	Bluetooth® Speaker Charger		
<b>Frequency band (Operating)</b>	<input checked="" type="checkbox"/> BT: 2.402GHz ~ 2.480GHz <input type="checkbox"/> WLAN: 5.150GHz ~ 5.250GHz <input type="checkbox"/> WLAN: 5.745GHz ~ 5.825GHz		
<b>Device category</b>	<input checked="" type="checkbox"/> Portable (<20cm separation) <input type="checkbox"/> Mobile (>20cm separation)		
<b>Exposure classification</b>	<input type="checkbox"/> Occupational/Controlled exposure (S = 5mW/cm <sup>2</sup> ) <input checked="" type="checkbox"/> General Population/Uncontrolled exposure (S=1mW/cm <sup>2</sup> )		
<b>Antenna diversity</b>	<input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input checked="" type="checkbox"/> Tx/Rx diversity		
<b>Max. output power for 2.4G Band</b>	Mode	Power (dBm)	Power (mW)
	DH5	0.432	1.1046
	2DH5	3.816	2.4077
	3DH5	3.813	2.4060
	BLE	0.576	1.1418
<b>Antenna gain (Max)</b>	0.5dBi for 2.4G Band		
<b>Evaluation applied</b>	<input checked="" type="checkbox"/> MPE Evaluation* <input type="checkbox"/> SAR Evaluation <input type="checkbox"/> N/A		

**Remark:**

1. The maximum output power is 2.4077dBm (0.0024W) at 2480MHz (with numeric 1.122antenna gain.) for 2.4G band
2. DTS device is not subject to routine RF evaluation; MPE estimate is used to justify the compliance.
3. For mobile or fixed location transmitters, no SAR consideration applied. The maximum power density is 1.0 mW/cm<sup>2</sup> even if the calculation indicates that the power density would be larger.

\*Note: Simultaneous transmission is not applicable for this EUT.



**SAR exclusion**

Per FCC KDB 447498 D01v06 section 4.3:

1) For 100 MHz to 6 GHz and *test separation distances* ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

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

**5mm Test Separation**

Test Mode	Frq. (MHz)	Test separation distance (mm)	Max. Tune-up Power(dBm)	Max. Tune-up Power(mW)	Test threshold	SAR Test (Y/N)
Bluetooth	2480	5	3.816	2	0.76	N