

### Maximum Permissible Exposure Report

Test Model.....	: BL1606B
List Model No .....	: WC 603
EUT.....	: Bluetooth Speaker
<b>Applicant.....</b>	<b>: Guangzhou Panyu Juda Car Audio Equipment Co., Ltd.</b>
Address.....	: Vtrek Dewei Industrial Garden, Shibeil Industrial Road, Dashi Town, Panyu Borough, Guangzhou, Guangdong, China
Telephone.....	: /
Fax.....	: /
<b>Manufacturer.....</b>	<b>: Guangzhou Panyu Juda Car Audio Equipment Co., Ltd.</b>
Address.....	: Vtrek Dewei Industrial Garden, Shibeil Industrial Road, Dashi Town, Panyu Borough, Guangzhou, Guangdong, China
Telephone.....	: /
Fax.....	: /

## RADIO FREQUENCY EXPOSURE

### 1. Limit

According to §1.1310 and §2.1091 RF exposure is calculated.

**Table: Limits for General Population/Uncontrolled Exposure**

Frequency Range (MHz)	Power Density (S) (mW/cm <sup>2</sup> )
0.3–1.34	*(100)
1.34–30	*(180/f <sup>2</sup> )
30–300	0.2
300–1500	f/1500
1500–100,000	1.0

F = frequency in MHz

\* = Plane-wave equivalent power density

### Maximum Permissible Exposure

The MPE was calculated at 20cm to show compliance with the power density limit.

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

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.

Note:

1. Manufacturer declared that the maximum antenna gain is 0dBi (Max.) for 2402~2480MHz.
2. Manufacturer declared that the nearest distance between human and the EUT is 20cm.
3. Only record worst case data.

## 2. Test Results

### Conducted Power Result

Test	Channel	ANT a Power (dBm)	ANT Max. Tune Up Power (dBm)
GFSK	0	-2.458	-3.0±1.0
	39	-2.940	-3.0±1.0
	78	-3.804	-4.0±1.0
8-DPSK	0	-2.586	-3.0±1.0
	39	-3.067	-4.0±1.0
	78	-3.981	-4.0±1.0

### Standalone MPE

Mode	Max. ANT Power (dBm)	ANT Max. Tune Up Power (dBm)	ANT Max. Tune Up Power (mW)	ANT MPE (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
GFSK	-2.458	-3.0±1.0	0.631	0.0001	1.0
8-DPSK	-2.586	-3.0±1.0	0.631	0.0001	1.0

### Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.