



FCC RF EXPOSURE REPORT

FCC ID: APIHORIZON

Project No. : 1407C070
Equipment : Bluetooth Speaker
Model : JBL HORIZON
Applicant : HARMAN INTERNATIONAL INDUSTRIES, INC
Address : 8500 BALBOA BLVD NORTHRIDGE CA 91329 UNITED STATES

According: : **FCC Guidelines for Human Exposure IEEE C95.1**

BTL INC.

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the 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

Table for Field Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	INPAQ TECHNOLOGY CO.,LTD	WA-P-LA-03-199	PCB	N/A	3.97

GENERAL CONCLUSION:

Maximum measured transmitter power:

Output Power (dBm)	Output Power (mW)	Limit (mW)
7.56	5.7	10

According to FCC KDB447498 V05, Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

The maximum measured output peak power of this EUT is 5.7 mW, less than 10mW at 5mm distance.

Conclusion: No SAR evaluation required since transmitter power is below FCC threshold