

## **RF Exposure / SAR Statement**

**No. : 10068267S-H**

**Applicant** : **Hitachi Maxell, Ltd.**  
**Type of Equipment** : **Miracast Module**  
**Model No.** : **WHD0070-D103**  
**FCC ID** : **2ABS4-WHD0070**

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Hitachi Maxell, Ltd. declares that Model : Miracast Module  
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091.

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the "WHD0070-D103" as calculated from FCC Part 1, §1.1310, TABLE 1 (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 1.0mW/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

**Where**

**P = 471.22 mW (Maximum peak output power)**  
**G = 1.12 Numerical Antenna gain; equal 0.49 dBi**  
**r = 20.0 cm**

**For: WHD0070-D103**

$$S = 0.10494 \text{ mW/cm}^2$$

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