

## **RF Exposure / SAR Statement**

### **No. : 10154075S-G**

|                          |          |                                   |
|--------------------------|----------|-----------------------------------|
| <b>Applicant</b>         | <b>:</b> | <b>Sony Corporation</b>           |
| <b>Type of Equipment</b> | <b>:</b> | <b>Smartphone Cradle Receiver</b> |
| <b>Model No.</b>         | <b>:</b> | <b>XSP-N1BT</b>                   |
| <b>FCC ID</b>            | <b>:</b> | <b>AK8XSPN1BT</b>                 |

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Sony Corporation declares that Model : Smartphone Cradle Receiver 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 "XSP-N1BT" 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

|            |                                              |                 |
|------------|----------------------------------------------|-----------------|
| <b>P =</b> | <b>1.38 mW (Maximum peak output power)</b>   |                 |
| <b>G =</b> | <b>1.24 Numerical Antenna gain; equal to</b> | <b>0.93 dBi</b> |
| <b>r =</b> | <b>20.0 cm</b>                               |                 |

**For: XSP-N1BT**

**S = 0.00034 mW/cm<sup>2</sup>**

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