# RF Exposure / SAR Statement (Reference)
# No. : 1932544H-B

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|---|---|---|
| **Applicant** | **:** | **Aplix Corporation** |
| **Type of Equipment** | **:** | **JM1** |
| **Model No.** | **:** | **JM1L2S** |
| **FCC ID** | **:** | **O8CJM1L2S** |

Aplix Corporation declares that Model : JM1L2S
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091(for mobile).
JM1L2S is intended to be used 2 modules simultaneously within 20 cm.

**RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the "JM1L2S" 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^2 uncontrolled exposure limit. The Friis formula used was:

$$S = ( (P1 * G1) + (P2 * G2) ) / (4 * \pi * r^2)$$

**Where**

| | | | | |
|---|---|---|---|---|
| **P1 =** | **1.39** | **mW (Maximum peak output power )** | | |
| **P2 =** | **1.39** | **mW (Maximum peak output power)** | | |
| **G1 =** | **2.00** | **Numerical Antenna gain; equal to** | **3.00** | **dBi** |
| **G2 =** | **2.00** | **Numerical Antenna gain; equal to** | **3.00** | **dBi** |
| **r =** | **20.0** | **cm** | | |

**For: JM1L2S** **S = 0.00110 mW/cm$^2$**

Even taking into account the tolerance, this device can be satisfied with the limits.

This calculation was made to show that the EUT complies with the limit in simultaneous transmitting of 2 bluetooth low energy modules.

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