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## Maximum RF Exposure Evaluation

FCC ID: 2BA40-I-MX

According to KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

### EUT Specification

|                            |                                                                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:              | FUCK MACHINE                                                                                                                                                                                                                       |
| Trade Mark:                | /                                                                                                                                                                                                                                  |
| Model/Type reference:      | I-MX-1100-00                                                                                                                                                                                                                       |
| Listed Model(s):           | /                                                                                                                                                                                                                                  |
| Frequency band (Operating) | <input type="checkbox"/> BT/EDR: 2.402GHz ~ 2.480GHz<br><input type="checkbox"/> BLE: 2.402GHz ~ 2.480GHz<br><input type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz<br><input checked="" type="checkbox"/> Others: 2.404GHz ~ 2.480GHz |
| Device category            | <input checked="" type="checkbox"/> Portable (<5mm separation)<br><input type="checkbox"/> Mobile (>20cm separation)<br><input type="checkbox"/> Fixed (>20cm separation)<br><input type="checkbox"/> Others                       |
| Antenna diversity          | <input checked="" type="checkbox"/> Single antenna<br><input type="checkbox"/> Multiple antennas<br><input type="checkbox"/> Tx diversity<br><input type="checkbox"/> Rx diversity<br><input type="checkbox"/> Tx/Rx diversity     |
| Antenna gain (Max)         | -0.62dBi                                                                                                                                                                                                                           |
| Evaluation applied         | <input checked="" type="checkbox"/> RF Exposure Evaluation<br><input type="checkbox"/> SAR Evaluation                                                                                                                              |

### Limit

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0$$

Where

- $f_{(\text{GHz})}$  is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

### Measurement Result

| Band | Frequency (MHz) | Antenna Gain (dBi) | Maximum Power (dBm) | Tune up tolerance (dBm) | Max. Tune up Power (dBm) | Calculation Value | Limit |
|------|-----------------|--------------------|---------------------|-------------------------|--------------------------|-------------------|-------|
| GFSK | 2480            | -0.62              | -10.51              | $-11 \pm 1$             | -10                      | 0.0315            | 3.000 |

$0.0315 < 3$ , So the transmitter complies with the RF exposure requirements and the SAR is not required

### Note

For a more detailed features description, please refer to the RF Test Report.

\*\*\*\*\*THE END\*\*\*\*\*