

## **RF Exposure Exhibit**

FCC ID: U3D-TSIIDONGLE2

IC: 5349C-TSIIDONGLE2

The TSII-DONGLE2 is USB Dongle provides a platform to evaluate the MC1322x device, develop software and applications, and demonstrate IEEE 802.15.4 and ZigBee networking capabilities. The dongle connects the core device to a personal computer (PC) through a USB port, UART port interface device. The small form factor illustrates an extremely small footprint, 4-layer printed circuit board (PCB) layout with a chip antenna. The MC1322x node typically interfaces to the PC through a virtual COM port (VCM).

Maximum Conducted power of TSII-DONGLE2, is documented Test report 103242988MPK-001 page #17. This test report is part of application. EUT meets FCC CFR 47 Part 15.247

The max conducted power documented is 0.70 dBm or 1.175mWatts (page#17) and antenna gain is 2.0dBi, see antenna specification Exhibit.

Max EIRP of the transmitter is 2.70dBm or  $1.90 < 10\text{mW}$ , hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 v06: Mobile Portable RF Exposure.

With above description, it is clear the device complies RF exposure requirements as per KDB 447498 D01 General RF Exposure Guidance v06

**ISED Requirements** for SAR Exemption limit according to IC RSS-102 Issue 5, at 5 mm separation distance = 4 mWatts.

Max EIRP of the transmitter is  $1.9\text{mW} < 4\text{mW}$ , hence the EUT is excluded from SAR evaluation.