

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.