## **RF Exposure Evaluation**

We, Intrinsyc Technologies Corporation, attest that the device in this filing is excluded from SAR testing per KDB447498 D01 v06 section 4.3.1 a). The maximum power in the tune-up procedure has been set to 13 dBm for 2.4 GHz band and 13 dBm for 5 GHz band. The antenna maintains a minimum of 25 mm from the user during operation. The simultaneous transmission is also evaluated with the BT transmitter. The BT transmits at a maximum of 6 dBm.

Using the calculation in KDB447498 D01 v06 section 4.3.1 a), the exclusion is shown below for the Wi-Fi bands.

The equation is:

[(max power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] \*  $[Vf_{(GHz)}] \le 3.0$ 

For 2.4 GHz, the equation is:

[(20 mW) / (25 mm)] \* [v2.462 GHz] = 1.3 which is less than 3.0.

For 5 GHz, the equation is:

[(20 mW) / (25 mm)] \* [v5.825 GHz] = 1.9 which is less than 3.0.

For simultaneous evaluation between the Wi-Fi transmitter and the BT transmitter, the SAR values were estimated using KDB447498 D01 v06 section 4.3.2 b).

The equation is:

[(max power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] \* [ $Vf_{(GHz)}/x$ ] W/kg for test separation distances of  $\leq$  50 mm;

Where x = 7.5 for 1-g SAR and x = 18.75 for 10-g SAR.

For the 2.4 GHz Wi-Fi, the equation is:

[(20 mW) / (25 mm)] \* [v2.462 GHz/7.5] = 0.17 W/kg.

For the 5 GHz Wi-Fi, the equation is:

[(20 mW) / (25 mm)] \* [v5.825 GHz/7.5] = 0.26 W/kg.

For the BT transmitter, the equation is:

[(3.9 mW) / (25 mm)] \* [v2.48 GHz/7.5] = 0.03 W/kg.

Therefore, the sum of the Wi-Fi and BT is 0.29 W/kg which is below the limit. Therefore, the simultaneous transmission meets the requirements of the SAR limit.

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