



July 21, 2015

Telecommunication Certification Body
UL VS Ltd
Offices 18-26
Grove House
Lutyens Close
Chineham Court
Basingstoke
Hampshire
RG24 8AG
United Kingdom

Subject: SAR calculation for Certification Application FCC ID: WWO-CTCBLE

To whom it may concern

The Bluetooth radio with blau and matching used has a maximum radio output of 0dBm (=1mW), including tolerance, at 2402 to 2480MHz.

According to FCC KDB 447498 D01 General RF Exposure Guidance v05r02, section 4.3.1, the following calculation is used to establish SAR exemption:

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

This must be below 3.0. For separations of less than 5mm, a figure of 5mm is used.

At 1mW maximum power, 5mm separation distance, and 2.45GHz frequency, the result of the calculation is 0.313, well below the limit of 3.0.

Therefore this product is exempt from routine evaluation.

Yours faithfully

Dr. Shamus Husheer