

Date: 6/9/2025

To: FCC SAR testing letter to file

Regarding: SAR testing power level justification for the Fecobionics AR-100 Probe (FCC ID 2BBFTAR100SG01) sub-GHz radio.

The Fecobionics AR-100 Probe underwent specific absorption rate (SAR) testing as part of its FCC certification. The testing was performed by RF Exposure Lab (San Marcos, CA). This letter justifies the transmitting power levels used during the testing compared to what the normal intended use of the Probe will be.

RF Exposure Lab used the maximum transmit power that the hardware for the AR-100 Probe sub-GHz radio was capable of (14dbm) when they performed SAR testing. The intended transmit power level for the AR-100 is 9 dbm and cannot be adjusted by the user. Since the tested level is substantially higher than the intended use, the results from the SAR testing can be considered applicable and represent worst-case conditions.



6/9/25