RF Exposure Evaluation

Applicant:	Lifeloc Technologies, Inc.
FCC ID:	2AR58RDR200
Contains	Module: MCQ-XB3M1

This document has been prepared in behalf of Lifeloc Technologies, Inc. by VPI Laboratories as an RF exposure evaluation for 2AR58RDR200.

According to KDB 447498 D01 General RF Exposure Guidance V06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW) / (min. separation distance, mm)] · [√f (GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where,

- f (GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Worst-case is shown below:

(7.32 mW / 5 mm) · (√2.402 GHz) = 2.27 < 3.0 for 1-g SAR or 7.5 10-g SAR

Device contains Module: MCQ-XB3M1
This Module cannot transmit at the same time as the BLE radio (see Attestation Letter from Lifeloc)
The User's guide instructs the operator to place the unit >20cm away during the transmission from the contained module, meeting the requirements of the modular grant.

SAR Evaluation is not required.