## **RF Exposure Evaluation**

## FCC ID: X2VQTR000X4

The EUT is a wireless device bracket-mounted to any type of valve or actuator.

The maximum conducted power specified in manual is 3dBm; therefore, to comply with RF Exposure Requirement, the SAR evaluation is considered.

The 1-g SAR test exclusion threshold for 100 MHz to 6 GHz at test separation distances ≤ 50 mm is determined by:

[(max. power of channel(average), including tune-up tolerance, mW)/(min. test separation distance,mm)]\*[SQRT(f(GHz))]

- = [2/5]\*[SQRT(2.48)]
- = 0.63.

Since the above calculation is less than 3.0, the product fulfils the RF exposure requirement without SAR testing.

## Remark:

1. When the minimum test separation distance is < 5mm, a distance of 5mm is applied to determine SAR test exclusion.