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 TMWK2303000981KS
 Rev.:
 00

FCC ID: 2BALUHCM-ADP-01

According to Appendix B of 447498 D04 Interim General RF Exposure Guidance v01, the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold Pth (mW) described in the following formula.

Pth is given by:

$$P_{\text{th}} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \le f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \le f \le 6 \text{ GHz} \end{cases}$$

The separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz.

Pth is given by:

$$P_{\text{th (mW)}} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \le 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \le 40 \text{ cm} \end{cases}$$

where

$$x = -\log_{10}\left(\frac{60}{ERP_{20}\operatorname{cm}\sqrt{f}}\right)$$

and f is in GHz, d is the separation distances (cm).

BLE

| $1.5\mathrm{GHz} \leq \mathrm{f} \leq 6\mathrm{GHz}$ | | | | | | | | | | | | |
|--|-----------|--------------|----|--------------|-------|---------------|---------------------------|----------------------|------------------|--|--|--|
| Tx | Frequency | Output Power | | Antenna Gain | ERP | ERP Threshold | Separation Distances (cm) | P _{th} (mW) | Exemption result | | | |
| Interface | (GHz) | dBm | mW | (dBi) | (dBm) | (m W) | Separation distances (cm) | Fth(IIIVV) | Demption result | | | |
| BLE | 2.48 | 1.5 | 1 | 0.1 | -0.55 | 0.88 | 0.5 | 3 | -EXEMPT- | | | |

NFC

| Mode | Frequency (MHz) | Result power (dBuV/m) | Electric Field Strength (V/m) | Limit of Electric Field Strength (V/m) |
|------|--------------------|--------------------------|-------------------------------------|---|
| NFC | 13.56 | 11.58 | 0.000004 | 60.77 |

Note:

1. The tune up power referred the module report for SAR test exclusion purpose.



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■ Simultaneous Transmission Exempt

$$\textstyle \sum_{i=1}^{a} \frac{p_i}{p_{th,i}} + \sum_{j=1}^{b} \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^{c} \frac{Evaluated_k}{Exposure\ Limit_k} \leq 1$$

BLE + NFC

Therefore, the worst-case situation is 0.88 / 3 + 0.000004 / 60.77 = 0.2933, which is less than "1".

-- End of Test Report--