6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Passed**

Test standard : FCC KDB Publication 447498 D01 v06
47CFR 1.1310
47CFR 2.1091
RSS-102 issue 5
LP0002(2018) 5.20.2.2

FCC:
Class1 mode:
Therefore the maximum output power of the transmitter is 11.04mW < 38mW(Distance: 20 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

Class2 mode:
Therefore the maximum output power of the transmitter is 1.42mW < 38mW(Distance: 20 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

Canada:
Class 1 mode:
Maximum conducted peak power: 11.04 mW
Antenna Gain: 3.5 dbi
Maximum EIRP available 24.7 mW
Since maximum output power of the transmitter is 24.7mW <30mW (distance ≤20 mm), hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102, For limb-worn devices where the 10 gram value applies, the exemption limits for routine evaluation in Table 1 of RSS-102 are multiplied by a factor of 2.5.

Class 2 mode:
Maximum conducted peak power: 1.42 mW
Antenna Gain: 3.5 dbi
Maximum EIRP available 3.2 mW
Since maximum output power of the transmitter is 3.2mW <30mW (distance ≤20 mm), hence the EUT is excluded from SAR evaluation according to Table 1 in RSS-102, For limb-worn devices where the 10 gram value applies, the exemption limits for routine evaluation in Table 1 of RSS-102 are multiplied by a factor of 2.5.

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