- FCC 47 CFR Part 2 Subpart J, §2.1093
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- ISED Canada RSS-102 Issue 5 Amendment 1, (February 2021)
- Health Canada Safety Code 6
- ISED Canada Notice 2016-DRS001 (Updated July 2020)

## FCC Estimated Simultaneous Transmission SAR level =

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[(max. power of channel, including tune-up tolerance, mW) ÷ (min. test separation distance, mm)] × [V(F<sub>(GHz)</sub>)/x] for BT + [(max. power of channel, including tune-up tolerance, mW) ÷ (min. test separation distance, mm)] × [V(F<sub>(GHz)</sub>)/x] for 134.2kHz + [(max. power of channel, including tune-up tolerance, mW) ÷ (min. test separation distance, mm)] × [V(F<sub>(GHz)</sub>)/x] for 13.56 MHz = [(2.6, mW) ÷ (5, mm)] × [V(2.48)/7.5] for BT + [(0.65, mW) ÷ (5, mm)] × [V(0.0001342)/7.5] for 134.2kHz + [(0.77, mW) ÷ (5, mm)] × [V(0.01356)/7.5] for 13.56 MHz

Note: Used 7.5 for x to cover worst case of head/body/extremity requirements.

= 0.3 W/kg for BT + 0.00055 W/kg for 134.2 kHz + 0.006548 W/kg for 13.56 MHz

Estimated FCC Simultaneous Transmission SAR level (for BT + 134.2kHz + 13.56 MHz) = 0.31 W/kg
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## ISED Canada Estimated Simultaneous Transmission SAR level =

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(Maximum\ power\ level\ including\ tuneup\ tolerance_{(mW)}\ \div\ max\ power\ level\ of\ exemption\ at\ the\ same\ frequency\ and\ distance)(mW)\times 0.4 W/kg = result W/kg for BT + (Maximum\ power\ level\ including\ tuneup\ tolerance_{(mW)}\ \div\ max\ power\ level\ of\ exemption\ at\ the\ same\ frequency\ and\ distance)(mW)\times 0.4 W/kg = result W/kg for 134.2kHz + (Maximum\ power\ level\ including\ tuneup\ tolerance_{(mW)}\ \div\ max\ power\ level\ of\ exemption\ at\ the\ same\ frequency\ and\ distance)(mW)\times 0.4 W/kg = result W/kg for 13.56 MHz (2.6_{(mW)}\ \div\ 4(mW)\times 0.4\ \text{W/kg}\ for\ BT\ + \\ (0.65_{(mW)}\ \div\ 71(mW)\times 0.4\ \text{W/kg}\ for\ 13.56\ \text{MHz}}
```

= 0.26 W/kg for BT + 0.0037 W/kg for 134.2 kHz + 0.0043 W/kg for 13.56 MHz Estimated ISED Simultaneous Transmission SAR level (for BT + 134.2kHz + 13.56 MHz) = 0.27 W/kg

Therefore, the equipment meets the SAR Exemption requirements.