Appendix 5

RF Exposure Information

FCC ID: YFA20061677
IC ID: 12260A-20061677

Maximum transmitter power:

Speed Controller

Frequency (MHz)	Maximum peak field strength (dBµV/m)	Maximum transmitter power (mW)
2410	97.1	0.9382
2440	97.5	1.0287
2472	97.0	0.9168

Note: The maximum peak field strength was taken from table of “Subclause 15.249(a)/RSS-210 B.10(a) – Field Strength of Fundamental and Harmonics”.

For FCC

According to KDB 447498 D01:
The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 5 mm are determined by:

[(*max. power of channel, including tune-up tolerance, mW*) / (*min. test 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
• 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

Result:

Speed Controller

(0.9382/5)*√2.410 = 0.291 <3.0

(1.0287/5)*√2.440 = 0.321 <3.0

(0.9168/5)*√2.472 = 0.288 <3.0

Conclusion:
No SAR is required.

For ISED

Speed Controller
According to table 1 in RSS-102 Issue 6, below exemption limit is applied
Frequency: 2440 MHz
At separation distance of ≤ 5mm
Exemption limits: 3mW

Results:
max. power of channel = 1.0287 mW < 3mW

Conclusion:
The maximum peak output power of the transmitter is less than the SAR evaluation exemption threshold and hence it complies with the RSS-102 RF exposure requirement