6 Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Passed**

Test Specification

Test standard   :   FCC KDB Publication 447498 v06

Maximum transmitter power:

Frequency (MHz)	Maximum peak output power (dBm)	Average Output power(mW)
2402	-3.20	0.4786
2440	-3.30	0.4677
2480	-3.57	0.4395

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 ≤50 mm are
determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [$\sqrt{f(GHz)}$] ≤3.0
for 1-g SAR and ≤7.5 for 10-g extremity SAR,24 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:

$(0.4786/5)*\sqrt{2.402} = 0.148 < 3.0$

$(0.4677/5)*\sqrt{2.440} = 0.146 < 3.0$

$(0.4395/5)*\sqrt{2.480} = 0.138 < 3.0$

Conclusion:
No SAR is required.