Appendix 4

RF Exposure Information

Maximum transmitter power:

Frequency (MHz)	Maximum peak output power (dBm)	Output power(mW)
2402	-1.97	0.635
2440	-2.19	0.604
2480	-2.51	0.561

According to KDB 447498 D01:

BLE

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:

$$[(\textit{max. power of channel, including tune-up tolerance, mW})/(\textit{min. test separation distance, mm})] \cdot [\sqrt{f_{(GHz)}}] \leqslant 3.0$$

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:

$(0.635/5)*\sqrt{2.402} = 0.197 < 3.0$

$(0.604/5)*\sqrt{2.440} = 0.189 < 3.0$

$(0.561/5)*\sqrt{2.480} = 0.177 < 3.0$

Overall Conclusion:
No SAR is required.