Appendix 5

RF Exposure Information

Maximum transmitter power:

Frequency (MHz)	Maximum peak output power (dBm)	Duty Cycle %	Average Output power(mW)	Separation Distance (mm)
902.75	15.60	30%	10.892	5
914.75	15.57	30%	10.817	5
927.25	15.48	30%	10.595	5

Duty Cycle Calculation

Hopping rate = 50 Hz
Transmitter on time per hop = 6ms

Duty cycle = 6/20 * 100 = 30%

According to KDB 447498 D01:

These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation.

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)] · [√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 calculation25
• 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:

(10.892/5)*√0.90275 = 2.069 <3.0

(10.817/5)*√0.91475 = 2.069 <3.0

(10.595/5)*√0.92725 = 2.040 <3.0

Conclusion:
No SAR is required.