



Apparatus: ARF37 (FCC ID: U3Z-ARF7531)

RF exposure evaluation as a portable device

SAR evaluation is required for portable device if the output power is $> 60/f(\text{GHz})$ mW (low threshold)

Conducted Peak Output Power: 192mW (Worst case)

Integral Antenna Gain: 0dBi Peak EIRP = 192mW (Worst case)

Duty-Cycle = 15.83% (Device is ON for 4.75ms within 30s period as explained in the operational description)

Therefore, source-based time averaged power = $192\text{mW} * (4.75/30) = 30.4\text{mW}$

Conclusion: Since source-based time averaged power is below the threshold level of $60/0.928 = 64.6\text{mW}$, SAR measurement is not required.

Device complies with FCC's RF radiation exposure limits for general population as a portable device.

Signature: _____ Date: ____ November 26th, 2008 ____

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