

CUSTOMIZABLE SPECTROSCOPIC RADIATION DETECTION CELL PHONE

GT-800 (PRELIMINARY CHARACTERISTICS)

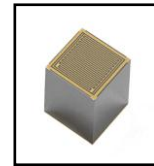
Standard Cell Phone Characteristics

- GSM Quad Band: 850/900/1800/1900, EDGE, GPRS (works worldwide)
- Built-in GPS Receiver
- 2.7 inch TFT display, touch screen
- Full PDA functions, Windows Mobile, Bluetooth and NFC
- 1050 mAh Lithium Ion rechargeable battery
- Standard dimensions: 2.35 x 0.88 x 3.77
- Weight: 160 grams including sensors and battery (est.)



Radiation Sensor Characteristics

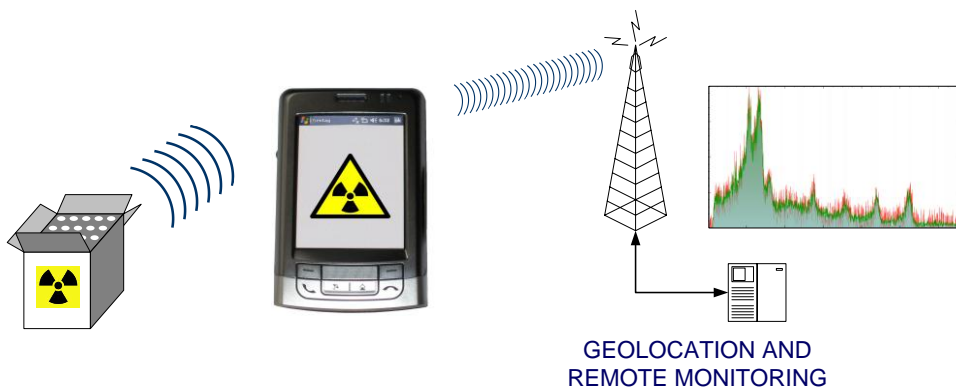
- Sensor technology from eV PRODUCTS, Inc. (now Endicott Interconnect)
- Discriminates hazardous Gamma-rays from normal Gamma-rays
- Isotope ID capabilities - comply with the isotope ID requirements defined in ANSI standard N42.48
- Power budget: <75mW at full power (<20mW in sense mode)
- Highly accurate
- CZT detector crystal size 0.5-1.0 cm³
- Circuit dimensions ~15 mm thick (credit card)



Custom Development Options

- Built-in chemical sensor array or sensor port for chemical sensors
- Built-in multi-protocol NFC reader for remote wireless biological sensors
- Use of custom chips or encryption technology (military and Government markets)
- Built-in Radar Responsive Tag (wide area geolocation outdoors and indoors)
- Rugged housing or design to fit all options including a high capacity battery
- Software for remote geolocation and monitoring of sensor events anywhere worldwide

GENTAG Patents: 6,031,454, 7,109,859, 7,148,803, others



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