

DESCRIPTION

1. Transmitter Technical Characteristics--Pursuant 2.983(d)
 - A. R.F. Power Output: Variable range .0005 to 0.6 Watts (by control of Cell-site); Power output is continuous in analog mode and discontinuous in digital mode. Average power in a burst for digital mode is same as power output for the analog mode.
 - B. Frequency Range: 824.040 to 848.970 MHz
 - C. Frequency Stability: $\pm 0.00025\%$ (2.5PPM)
 - D. Emissions: 40K0F8W, 40K0F1D, 30K0DXW
 - E. Spurious Emissions: -50 dBc referenced to max power out
 - F. D.C. Voltage into the Final RF Amplifier: 6.0 Volts DC from Switching Boost Converter
D.C. Current into the Final RF Amplifier: 0.697 Amps (Analog)
D.C. Current into the Final RF Amplifier: 0.199 Amps (Digital)
(Avg Current in TDMA Mode)
2. Transmitter Application
 - A. Power Supply Available

The transmitter is normally operated by means of a 3.6 Volt NiMH battery with battery cut-off voltage no lower than 2.9 volts. Performance is also guaranteed up to 3.6 volt battery with battery cut-off voltage no lower than 2.9 volts. Performance is also guaranteed up to 5.5 volts.
 - B. Antenna Available

The Transmitter is designed to be used with an integral extendable antenna. In the down position, the antenna is a quarter wave helical. In the up position, the antenna is a quarter wave whip in series with a quarter wave helical.
 - C. Maximum Transmit Channel Capability

832 Channels