

Possibility of Cell Phone Reception
R4500 Telemetry Receiver

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Regulatory concerns related to the possibility of monitoring cell phones are addressed in several ways: 1). there is no option for FM or PM demodulation, a requirement for cell phone reception. 2). the narrow bandwidth of the IF filter would severely distort the signal making most conversations unrecognizable. 3). the receiver front ends are fix tuned which would not pass the cell phone band. 4). the VCO tuning range is limited to approximately 250MHz by the components used.

It would be impossible to receive cell calls because hardware constraints limit the frequency range below the cell phone range and there are no demodulation circuits for FM or PM.