Operational Description for 12RII transceiver.

12RII Radio Digital Modulation Techniques Description

General:

The GETS-GS 12RII radio uses standard MSK digital data modulation. The modulation is generated by an MX829 Baseband Signal Processor chip (a PDF for the MX829 data sheet is included) with integrated filtering. The 12RII radio uses the MX829 to communicate at 2400 BAUD, half duplex, with one half cycle of 1200Hz for a '1' and one cycle of 2400Hz for a '0'. The MSK data is continuous phase using standard deviation of +/- 3KHz for wide band operation and +/- 1.5KHz for narrow band operation.