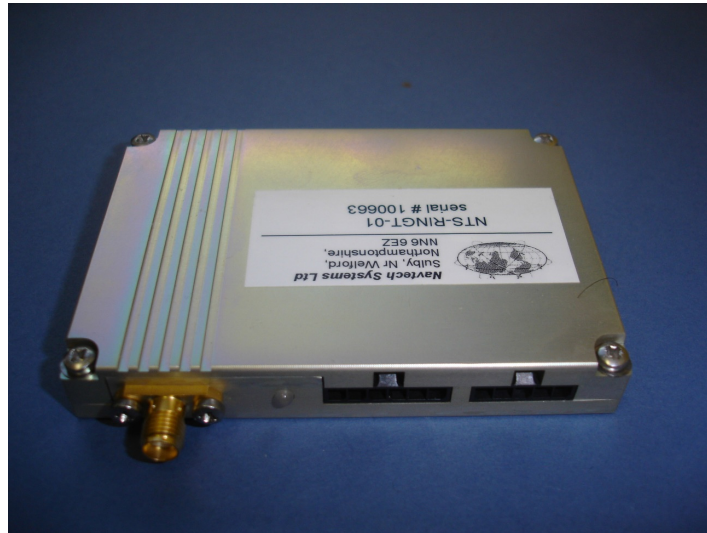


# Navtech Systems RF Devices

## NTS-TEL-868

### TELEMETRY TRANSCIVER SYSTEM

GTR5i - based 118MHz Wireless Packet Modem -



A wireless modem developed to enable half-duplex serial data communication between a moving air vehicle and a ground station using frequencies centred around 118MHz.(alternative frequencies available). Performance has been optimised for data rates of 9600 baud with the capability of either packet mode operation or transparent (continuous) mode operation.

#### Technical Description:

##### Electrical:

The transmitter outputs approximately 29dBm (880mW).

Channel spacing: 25kHz

Channel bandwidth is a function of data rate e.g. 9600 baud = 18.75kHz.

Data i/p via two data interfaces at TTL level

Operating voltage 9 -32 VDC (12V DC nominal).

Power consumption = 250mA @ 12V DC transmitting, 30mA receiving.

##### Mechanical:

Custom-designed, milled aluminium enclosure for high integrity RF shielding.  
Antenna connection: SMA female.



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