



Distance from Rig to ERP Test unit = 220' Pathloss = 95 dB

147 MHz IF = 24192 MHz IF cable loss = 18 dB, Amp gain = 46 dB

110 MHz IF = 24155 MHz IF cable loss = dB, Amp gain = 46dB

80 MHz IF = 24125 MHz IF cable loss = dB, Amp gain = 46dB

Measured ERP = PM reading + Path Loss + Cable Loss + Mixer Loss - Amp Gain - Horn Gain

For this setup Measured ERP @ 24192 MHz = PM + 73

For this setup Measured ERP @ 24155 MHz = PM + 65

24 GHz ERP/MDS Block Diagram

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