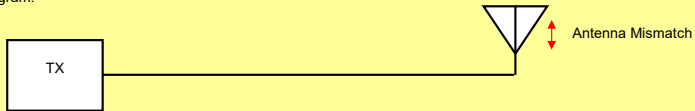


Downlink Transmitter System (At Spacecraft):

Block Diagram:



Transmitter Power: 0.5 Watts = -3.0 dBW = 26.99 dBm

Cable or Waveguide Loss:

Feeder Length: 0.2 meters

Cable/Guide Loss/meter: 0.58 dB At (freq.) 435.275 MHz = 0.116 dB

Antenna Mismatch Losses: (See "VSWR Loss Tool" W/S) 0.240 dB

Total Line Losses: 0.36 dB

Total RF Power Delivered to Antenna: -3.37 dBW