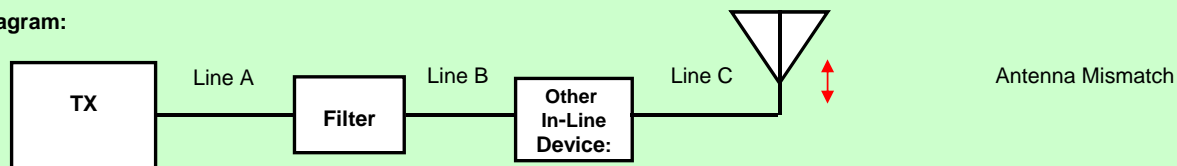


## Uplink Transmitter System (At Ground Station):

## NOTE:

## Block Diagram:



Transmitter Power:  Watts =  dBW =  dBm

## Cable or Waveguide ("Line") Losses:

Line A Length:  meters  
 Line B Length:  meters  
 Line C Length:  meters

Total Line Length (Line A+B+C):  meters

Cable/W. Guide Type:

Cable/W. Guide Loss/meter:  At (freq.)  MHz =  dB

## Other Components in Line:

No. of In-Line Connectors:  Connectors X 0.05 dB/Con. =  dB

Filter Insertion Losses:  dB

Other In-Line Losses: Device:   dB

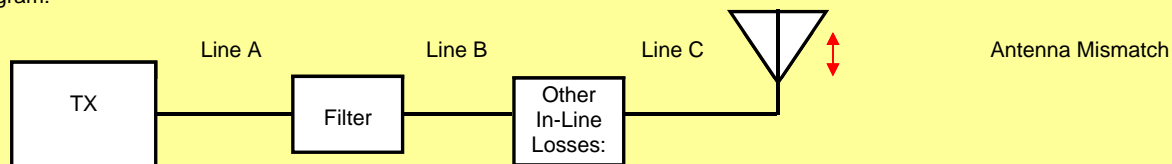
Antenna Mismatch Losses: (See "VSWR Loss Tool" W/S)  dB

Total Line Losses:  dB

Total Power Delivered to Antenna:  dBW

## Downlink Transmitter System (At Spacecraft):

## Block Diagram:



Transmitter Power:  Watts =  dBW =  dBm

## Cable or Waveguide Loss:

Line A Length:  meters  
 Line B Length:  meters  
 Line C Length:  meters

Total Line Length (Lines A+B+C):  meters

Cable/Guide Type:

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

## Other Components in Line:

No. of In-Line Connectors:  Connectors X 0.05 dB =  dB

Filter Insertion Losses:  dB

Other In-Line Losses: Device:   dB

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

0.240 dB

Total Line Losses:

0.49 dB

Total RF Power Delivered to Antenna:

4.28 dBW