

## WTQT-LP System transmission factors

### Losses attributable to the feedline

<b><u>Component</u></b>	<b>LOSS in dB</b>	<b>Arithmetic Loss</b>
Top Jumper LDF-400	-0.05	
Main run of heliax Andrew LDF5-50 foam	-0.69	
Surge Arrestor	-0.50	
Bottom Jumper LDF-400	-0.09	
Total Loss	-1.33	0.736207
Antenna Gain Nicom BKG77-2	0.99	1.25603
Total System gain Ant and feedline		0.924
Authorized ERP		71 Watts
Transmitter Output Calculated $TPO = 71W / 0.924$	76.8 W	0.077 kW