

WTQT-LP System transmission factors

Losses attributable to the feedline

<u>Component</u>	LOSS in dB	Arithmetic Loss
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