

**Antenna Calculations
KKIT-FM
Angel Fire, New Mexico
BPH-20011120AAA**

Transmitter Output:	1.068 KW
Antenna:	Shively 6810-2R-DA
Power gain in main lobe:	1.75
Transmission Line:	24 meters of Cablewave HCC78-50J
Line Efficiency:	.936 @ 99.9 mhz
Power dissipated in Line:	68.375 watts
Power at antenna input:	1.00 KW
System Effective Radiated Power:	1.75 KW DA Max