

Technical Certifications
Transmitter Power Output (TPO) & Special Operating Conditions

Transmitter Power Output (TPO):

The Kathrein-Scala CA2-FM one bay horizontally polarized antenna has a power gain of 2.51.
The 50 ft. of LMR-400 coaxial cable has a loss of 0.618 db for a line efficiency of 86.73 percent.
 $220 \text{ watts} \div 2.51 \div 0.8673 = 101.1 \text{ watts TPO}.$

Special Operating Conditions:

The permittee/licensee in coordination with other users of the site agrees to reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.