TPO Calculations for W212CL

System Losses:
1. Transmission line – (Andrew LDF4-50A 40 meters) .85 dB
2. Bandpass Cavity (Telewave TBPC 1008-1) 1 dB
3. SuperFlex 2 -(Andrew FSJ4-50B) .2dB
4. Polyphaser .1dB
5. Low Pass Isolator (Telewave T1030) .3dB

Total System losses: 2.25 dB
Antenna Gain (Scala GPFM): 0
Net Loss: 2.25 – 0 = 2.25 dB
ERP = 170 Watts
Convert to dBm
10Log(170/.001) = 52.3 dBm
TPO
52.3 dBm + 2.25 = 52.55 dBm
Convert to Watts
10^(52.55/10)*.001 = 285 watts