Gain or Loss → +30 dBm      -6 dB      +12 dBi      -110 dB      +24 dBi      -7 dB

Receiver
Threshold
-80 dBm

| Trans. | → | Coax | → | Ant. | → | Path Loss | → | Ant. | → | Coax | → | Rcvr. |

Resulting → +30 dBm      +24 dBm      +36 dBm      -74 dBm      -50 dBm      -57 dBm      +23 dB
Signal Level                                                                                    Fade Margin

Fade Margin = (Signal Arriving at Receiver) - (Receiver Threshold)
= -57 dBm - (-80 dBm)
= -57 dBm + 80 dBm
Fade Margin = +23 dB

| 1-58705-069-2 |
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| LF300225.eps  |
| 12/19/02      |
| Tim Barnard   |