

EME CALCULATOR

EME System - EME Calculator - JH1AOY.DAT

Calculation date : 2007/03/28 11:52:11

Moon Distance : Average

EME Path Loss : -283.9 dB

Sky Temperature : 5 K

Frequency : 5760 MHz

Home Station

Station : JH1AOY

Tx Power Output : 2 W

Tx Feed Loss : 6 dB

Rx Feed Loss : 6 dB

Rx Noise Figure : 0.8 dB

Rx Bandwidth : 2500 Hz

Antenna Gain : 36.5 dBi

Results

System Noise : 1123.6 K

Ex.Moon Noise : .01 dB

Total Noise : 1128.2 K

Home Signal : -183.9 dBm

(S+N)/N Home : 0 dB

DX Signal : -138.5 dBm

(S+N)/N DX : 1.3 dB

DX Station

Station : DX

Tx Power Output : 500 W

Tx Feed Loss : 0.5 dB

Rx Feed Loss : 0.5 dB

Rx Noise Figure : 0.6 dB

Rx Bandwidth : 500 Hz

Antenna Gain : 65 dBi

Results

System Noise : 109.2 K

Ex.Moon Noise : 4.44 dB

Total Noise : 304.2 K

DX Signal : -97.5 dBm

(S+N)/N DX : 49.3 dB

Home Signal : -167.9 dBm

(S+N)/N Home : 0 dB

Comments :