

Keppler (60 Deg) Antenna

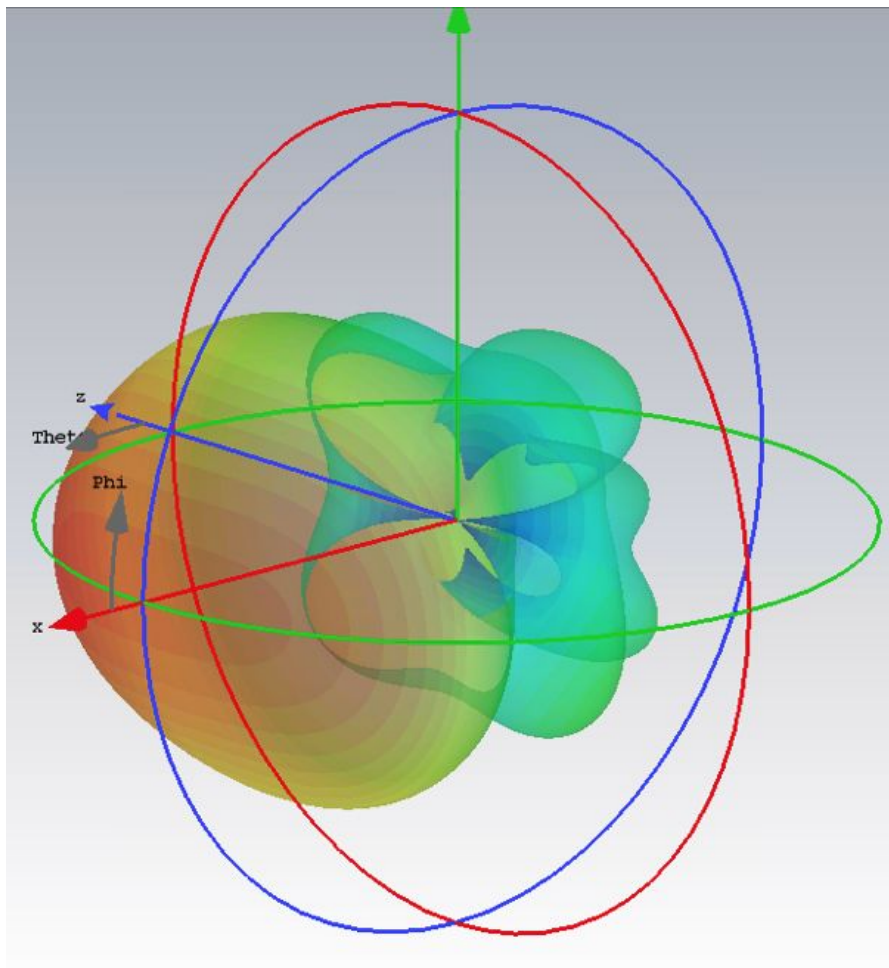


The RTLOC Keppler Antenna is a directional tapered slot antenna that can be attached to an anchor. The antenna is optimized for channel 2. It has a farfield gain of more than 5dB over an angle of ± 60 degrees, with a maximum gain of 7.87 dB at 4.0GHz.

Connector

Male or Female SMA connector

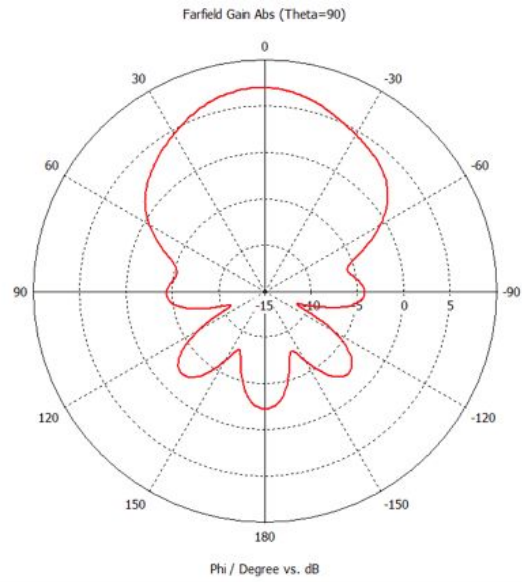
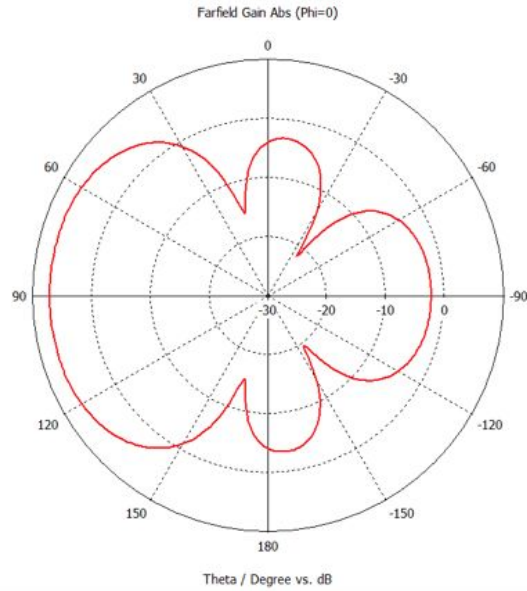
3D Radiation Pattern @ 4GHz



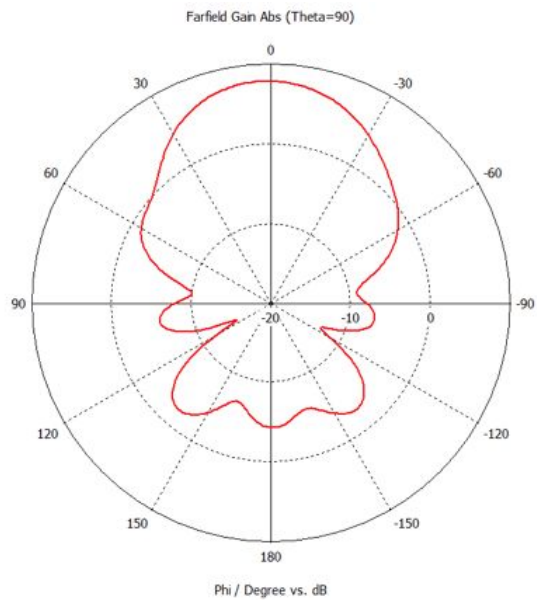
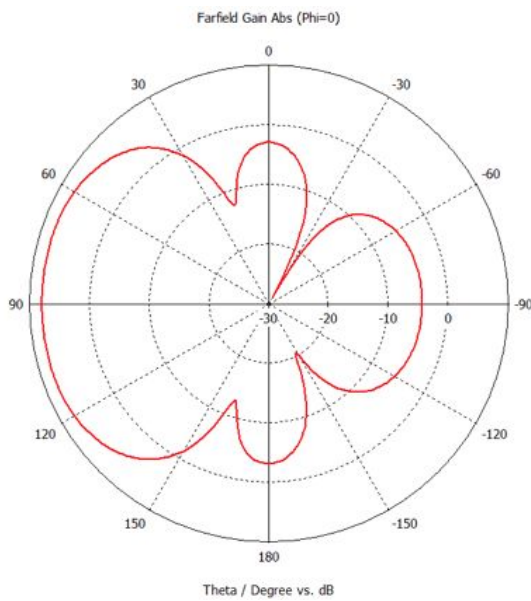
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Farfield Gain Abs Phi=0 and Theta=90 @ 3.75 GHz



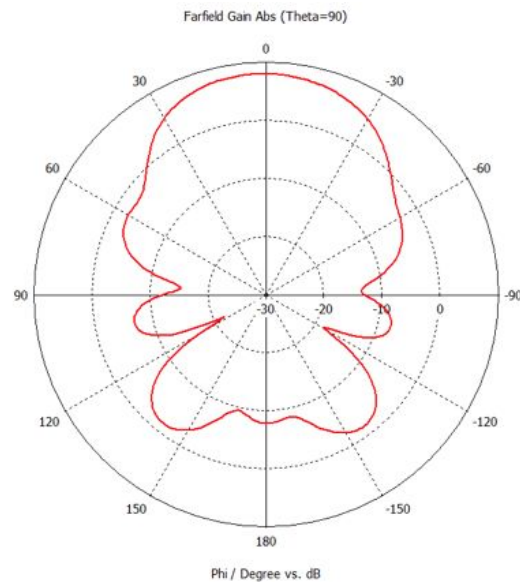
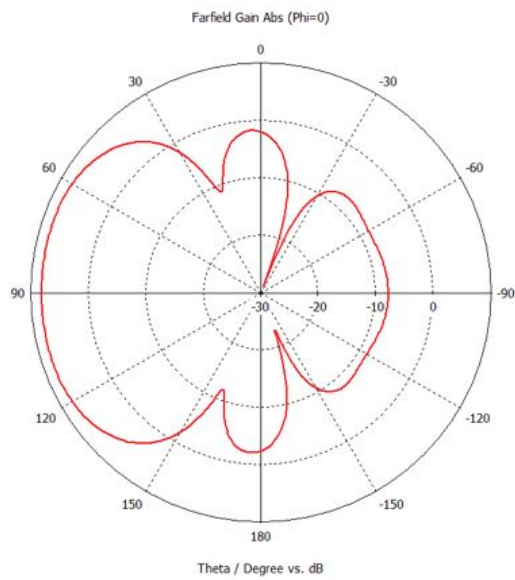
Farfield Gain Abs Phi=0 and Theta=90 @ 4.00 GHz



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Farfield Gain Abs Phi=0 and Theta=90 @ 4.25 GHz



Main Lobe Gain

Frequency [GHz]	Max Gain [dB]
3.75	7.009
4.0	7.870
4.25	8.099

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Voltage Standing Wave Ratio (VSWR)

The VSWR is defined as the ratio of the maximum to the minimum voltage on a loss-less line. Closer to 1 is better.

Frequency [GHz]	VSWR [-]
3.75	1.5285
4.0	1.5315
4.25	1.558

