

**ThinLine**  
by ThinKom Solutions

ThinLine low-profile  
antennas connect!



## 70/80 GHz High Performance Antenna

71-86 GHz

### Exclusive Features

- Lower Radiation Pattern Envelope
- Wider Beamwidth Means Easier Alignment
- Low Profile, No Shroud Required
- Less Tower Wind Loading
- Small Diamond Shape Reduces Ice and Water Accumulation
- Can be Integrated with ODU



*thin***kom**

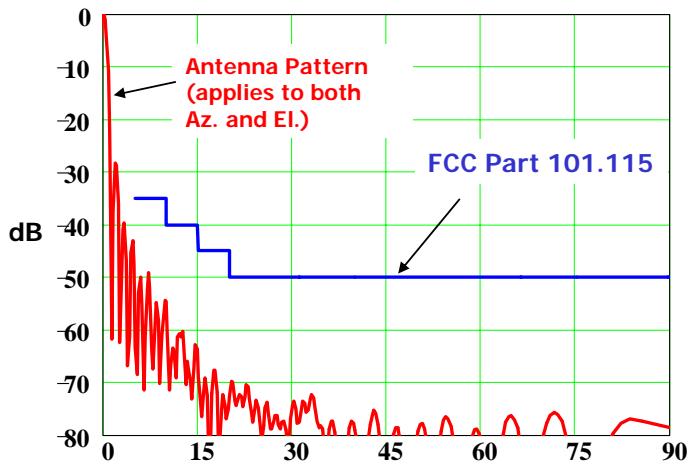
**11-inch ThinLine7080 outperforms  
2-foot dish antennas...**

ThinKom Solutions, Inc.  
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# ThinLine 70/80 GHz High Performance Antenna

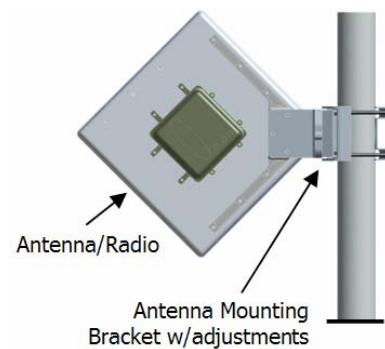
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Sidelobe Pattern (71 GHz)



## Rugged Antenna Mount with Precision Alignment

- Antenna mount is adjustable in azimuth and elevation directions
- Rugged and fabricated from lightweight cast aluminum and attaches with stainless steel fasteners
- Easily attaches to tower supported vertical pipe (2"-4.5" dia.)



- Antenna Mounts to Pole Mast
- Rotation of Antenna Changes Polarization

## ThinLine7080 Performance Summary

Frequency	71GHz	76Ghz	81GHz	86GHz
Gain (dBi)	44.2	45.3	45.7	45.6
Beamwidth (deg.)	0.86	0.80	0.74	0.70
Cross-Pol Isolation	> 30dB	> 30dB	> 30dB	> 30dB
Sidelobes	Compliant at all angles; typically better than requirement.	Compliant at all angles; typically better than requirement.	Compliant at all angles; typically better than requirement.	Compliant at all angles; typically better than requirement.
Return Loss	> 14dB	> 14dB	> 14dB	> 14dB



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