

640-8 SHF Monitoring Antenna



The Model 640-8 monitoring antenna provides TCI's 700-series spectrum monitoring systems vertical polarization coverage from 3 GHz to 8.5 GHz. Reception of vertically-polarized signals between 3 GHz and 8.5 GHz is provided by a monocone antenna element.

KEY FEATURES

- › Broadband frequency range
- › 3 GHz to 8.5 GHz, vertical polarization
- › Omnidirectional receive pattern with better than unity gain
- › Passive antenna – requires no power
- › Max gain at 0° elevation up to 45° elevation coverage (frequency dependent)
- › Low weight, 2 lbs. (1 kg)

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Model 640-8 Specifications

Frequency Range	3,000 to 8,000 MHz
Array Element Type	Monocone
Output Connector	SMA
RF Output-Impedance	50Ω (2.5:1 VSWR)
Dimensions	6" x 6" x 1.75" high (152 mm x 152 mm x 44 mm)
Weight	2 lbs (1 kg)
Environmental	Operating Temp: -25° to +65°

Sensitivity	Antenna Factor	Gain (dBi)
3 GHz	41	0
4 GHz	42	0
5 GHz	44	1
6 GHz	45	1
7 GHz	48	0
8 GHz	44	4

Note: The 640-8 antenna is only available as part of a TCI spectrum monitoring or COMINT system solution.



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