

C Band Offset Antenna System

Comprising:

ReflectorR2 (with feedarm metalwork)
R2Feed440-V/H

Reflector:

Offset parabolic with elliptical edge profile (as seen from feedhorn).

Width 736mm

Height 520mm

Construction: moulded fibreglass with metallized front surface.

Feedarm:

Folded/welded stainless steel, with white powder coat paint.

Feed:

Frequency: 4.2-4.6 GHz

Polarization: V and H

Connectors: N female (x2)

Return Loss: better than 14dB

Isolation between ports: >25dB

System Radiation Pattern Characteristics:

Gain: 26dBi (same for V and H)

-3dB beamwidth:

azimuth 7.6 degrees

elevation 9.2 degrees (same for V and H)

Cross-Polar on boresight: -25dB

First Sidelobe level:

azimuth -26dB

elevation -20dB



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