

Wideband High Gain Lens Antenna

EXCL-DLA-2443

Description

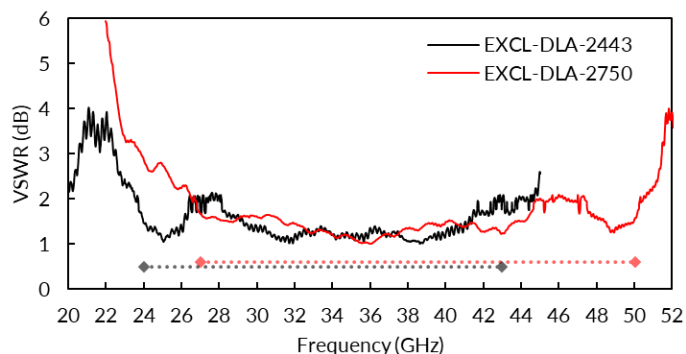
The EXC-DLA-2443 is a wideband high efficiency lens antenna for 5G FR2test & measurement applications. It is a single polarized antenna with narrow beam and stable radiation pattern over the the frequency range. Due to its high gain and narrow beamwidth, antenna is efficient solution for accurate measurement applications.



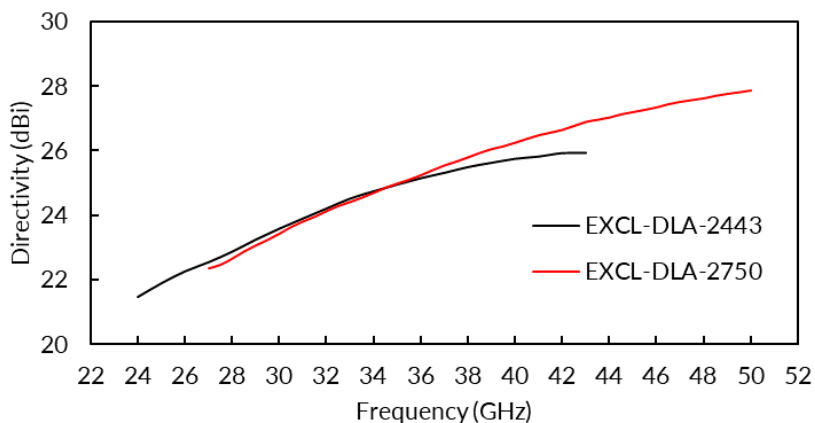
Features

- Frequency range 24 GHz to 43 (50*) GHz
- Single polarized
- Linear high gain 20 – 24 (26*) dBi
- Low sidelobe levels
- Low VSWR
- 2.92 mm (2.4 mm*) connector
- Ideal for 5G FR2 applications

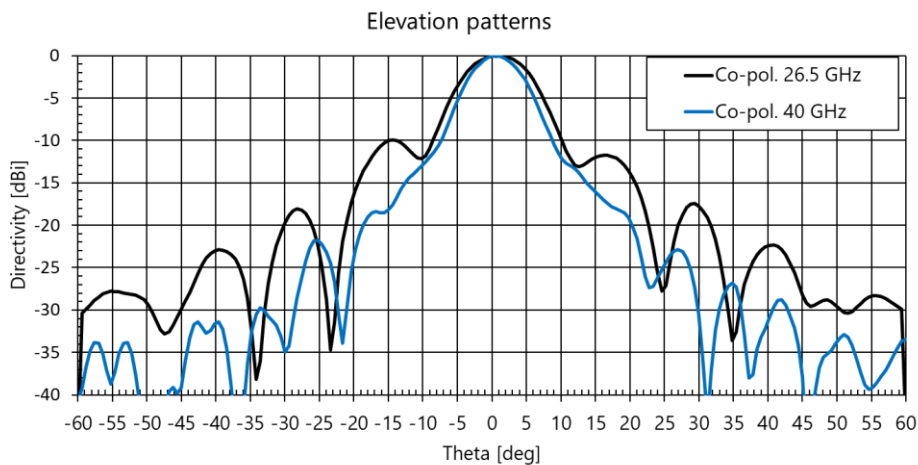
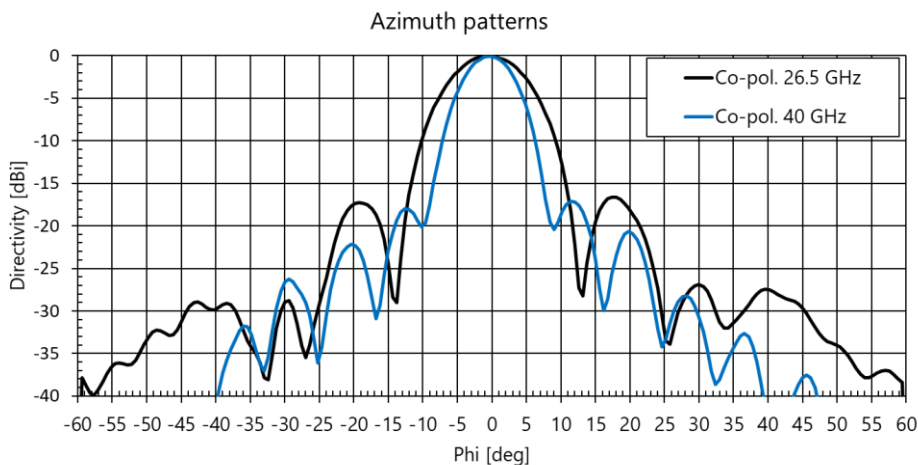
Typical VSWR



Typical boresight directivity



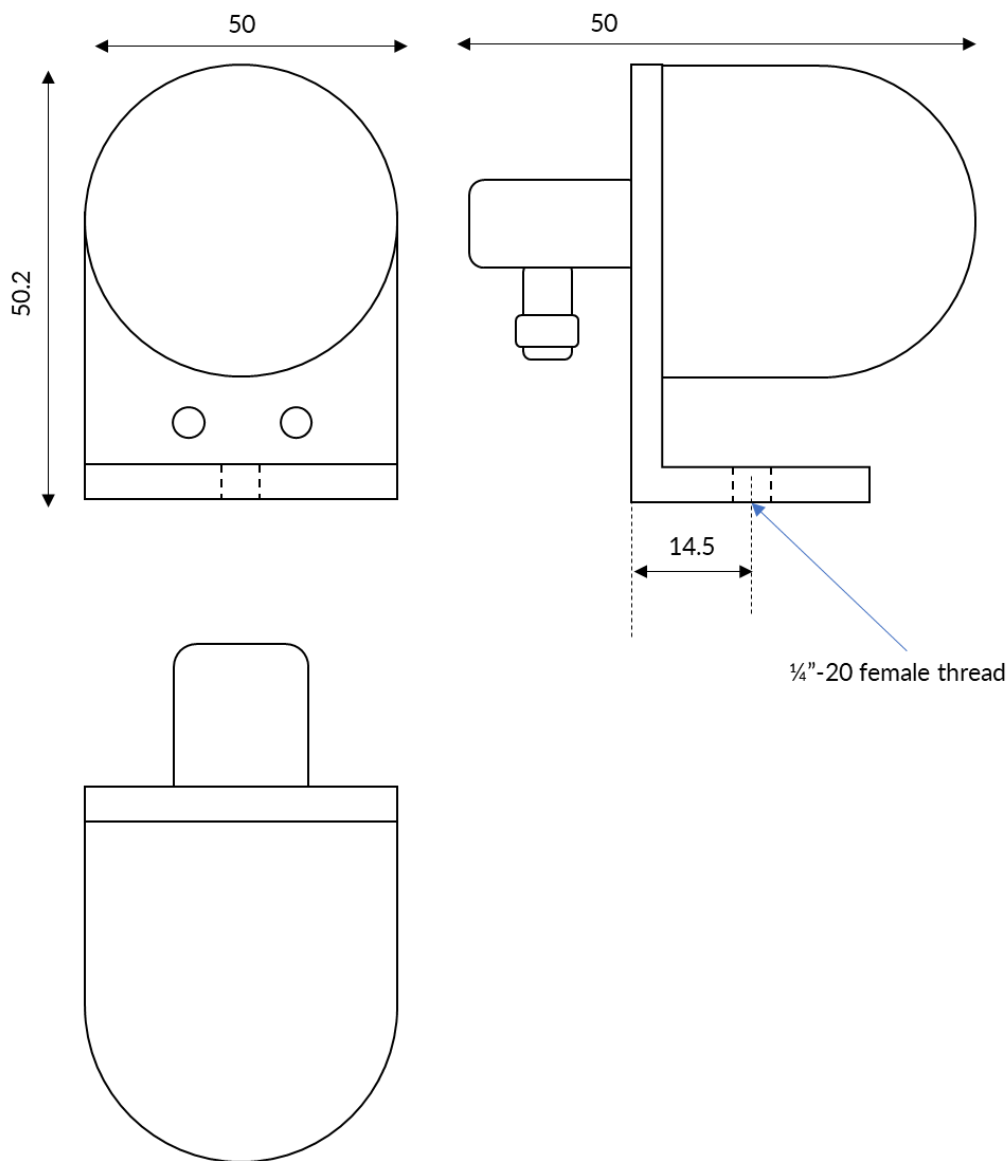
Specifications	EXCL-DLA-2443	EXCL-DLA-2750
Frequency range	24 GHz to 43 GHz	27 GHz to 50 GHz
Polarization	Linear	Linear
Input impedance	50 Ω	50 Ω
S11	Typ. < -10 dB	Typ. < -10 dB
Gain	20 – 24 dBi **	21 – 26 dBi **
Directivity	21 – 26 dBi **	22 – 28 dBi **
XPR	> 26 dB	> 26 dB
Connector	2.92 mm female (K-type)	2.4 mm female
Lens dimensions [H x Diam.]	55.2 x 50 mm	55.2 x 50 mm
Mounting	¼"-20 female thread	¼"-20 female thread
Weight	148 g	148 g



February 09, 2023

** Can be adjusted according to lens size

Dimensions (mm)



February 09, 2023