

DLA - Wideband high gain lens antenna

24 GHz to 50 GHz

Features

- **Wide frequency range**
- **Linear high gain**
- **Low VSWR**
- **Standard models**
 - **DLA 24 – 43 GHz**
 - **DLA 27 – 50 GHz**
- **Ideal for 5G FR2 applications**
- **Custom gain and radiation pattern**

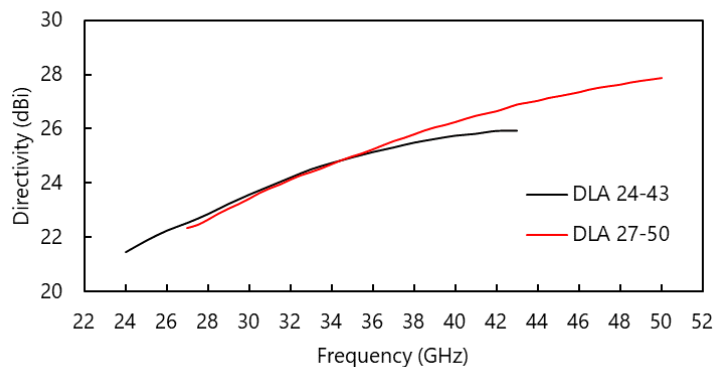


Description

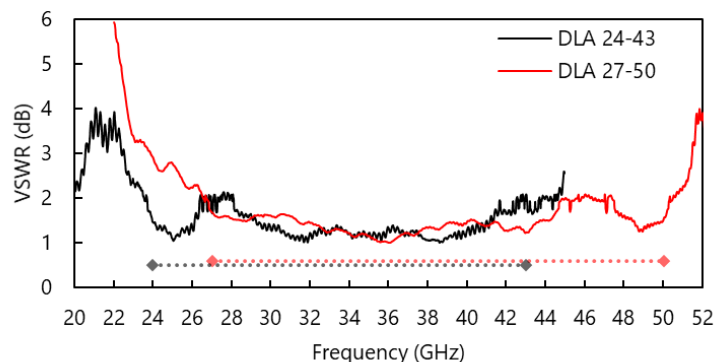
Wideband high efficiency lens antenna for 5G FR2 applications. Stable radiation pattern over the operation bandwidth. Same feed element can be used with different sized lenses. Tailored gain (8 – 30+ dBi), sidelobe levels and radiation pattern on request.



Typical boresight directivity



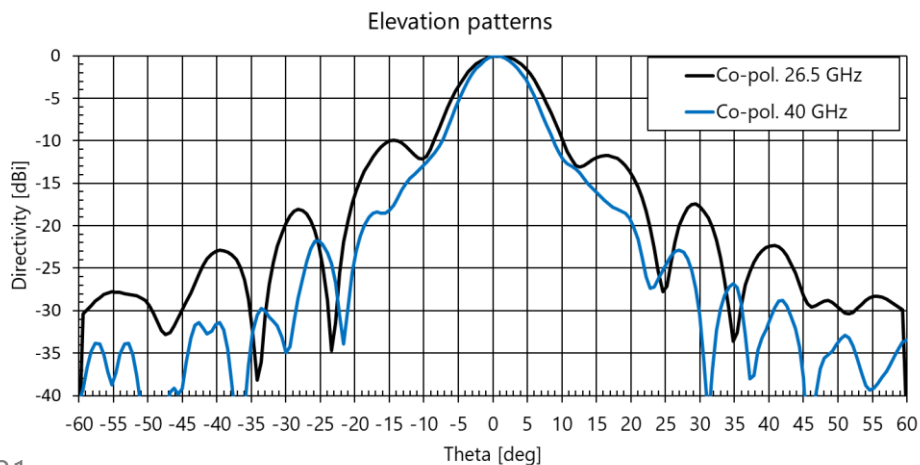
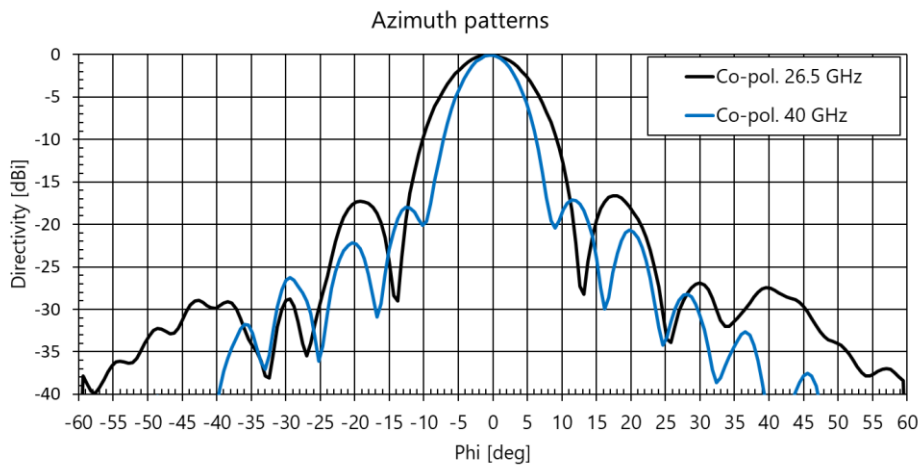
Typical VSWR



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Specifications	DLA 24 – 43	DLA 27 – 50
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

* Can be adjusted according to lens size



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