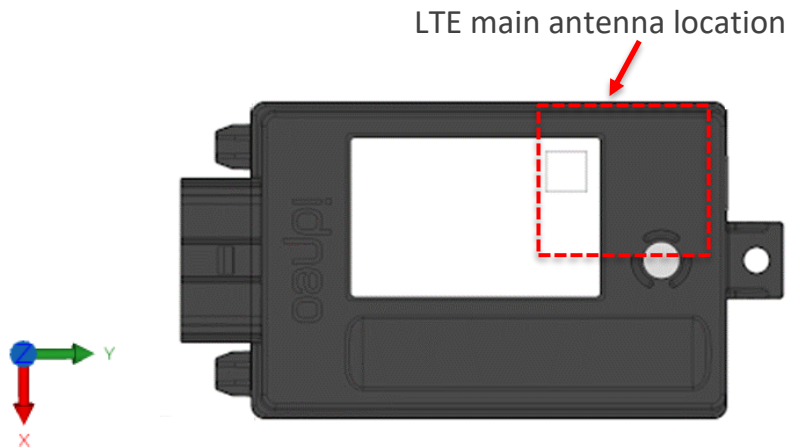




Idneo Technologies S.A.U
Carrer Rec de Dalt, 3
08100 Mollet del Vallès
(Barcelona), Spain
www.idneo.com

- Description

-LTE antenna is a PIFA overmolded in the box.



- Antenna model name

Model name: Ebox AG35-NA LTE main

- Specifications

Mechanical and Electrical specifications	
Telephony antenna Operating bands	699 MHz to 894MHz; 1710 MHz to 2155 MHz; 2500 MHz to 2690 MHz
Telephony bands	GSM:850/1900 WCDMA: II, IV,V LTE: B2, B4, B5, B7, B12, B13
Antenna Polarization	Lineal
Antenna Impedance	50 Ohms
Antenna type	Internal PIFA antenna

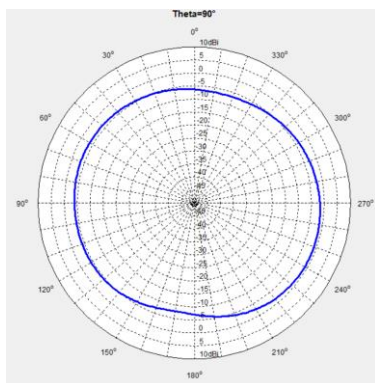
- Maximum antenna gain

Band	Maximum antenna Gain
GSM 850	+1.2 dBi
GSM 1900	+1.9 dBi
WCDMA Band II	+1.9 dBi
WCDMA Band IV	+1.3 dBi
WCDMA Band V	+1.2 dBi
LTE band 2	+1.9 dBi
LTE band 4	+1.3 dBi
LTE band 5	+1.2 dBi
LTE band 7	+3 dBi
LTE band 12	0 dBi
LTE band 13	0 dBi

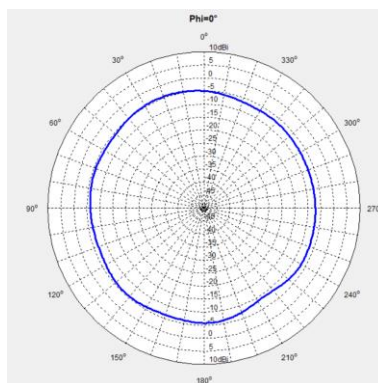
- Radiation patterns

- 2D radiation patterns

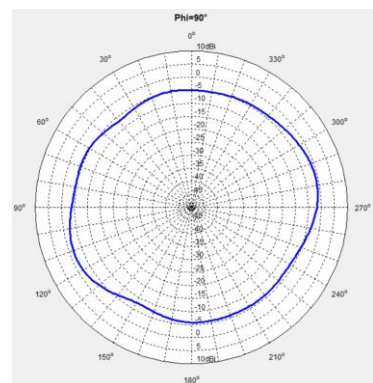
XY Plane – Total Polarization
Theta=90° - 700 MHz



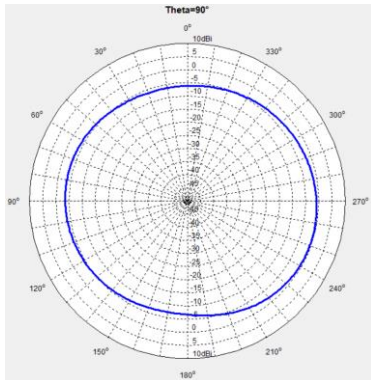
YZ Plane – Total Polarization
Phi=0° - 700 MHz



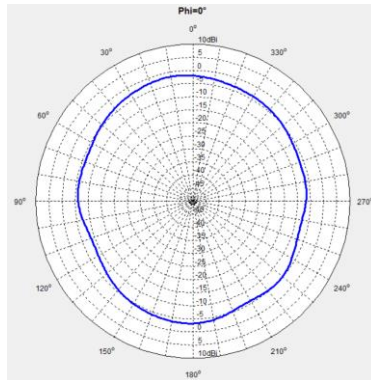
XZ Plane – Total Polarization
Phi=90° - 700 MHz



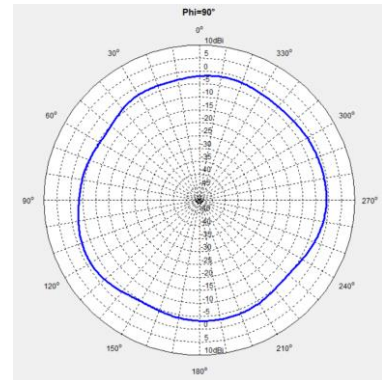
XY Plane – Total Polarization
Theta=90° - 780 MHz



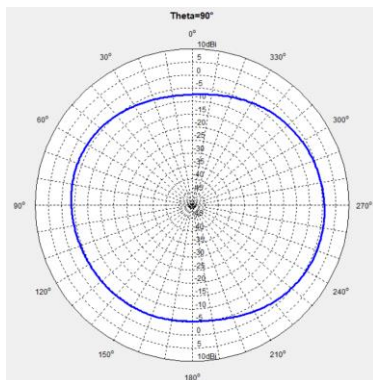
XZ Plane – Total Polarization
Phi=0° - 780 MHz



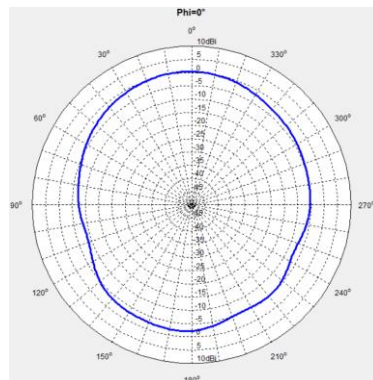
YZ Plane – Total Polarization
Phi=90° - 780 MHz



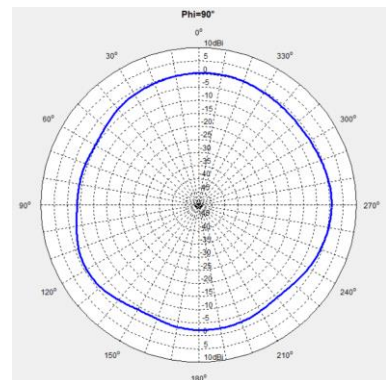
XY Plane – Total Polarization
Theta=90° - 830 MHz



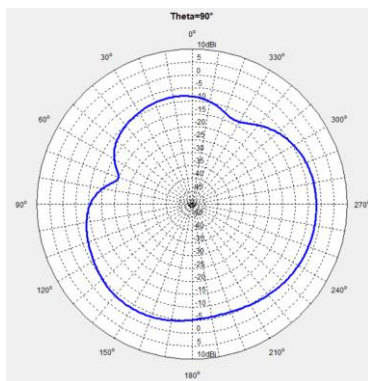
XZ Plane – Total Polarization
Phi=0° - 830 MHz



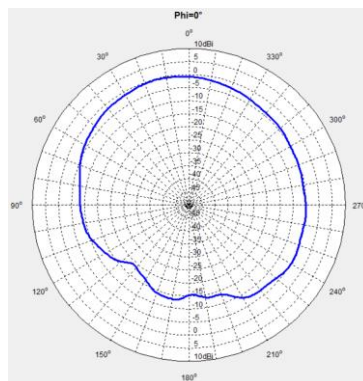
YZ Plane – Total Polarization
Phi=90° - 830 MHz



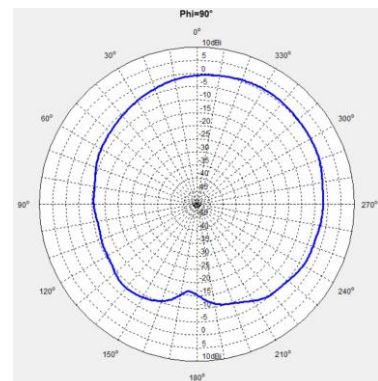
XY Plane – Total Polarization
Theta=90° - 1710 MHz



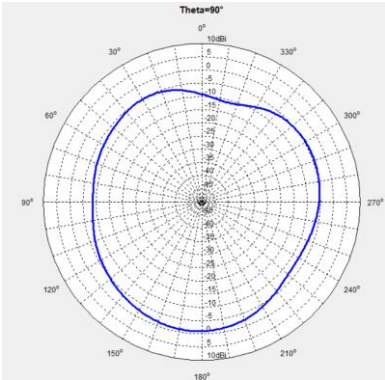
XZ Plane – Total Polarization
Phi=0° - 1710 MHz



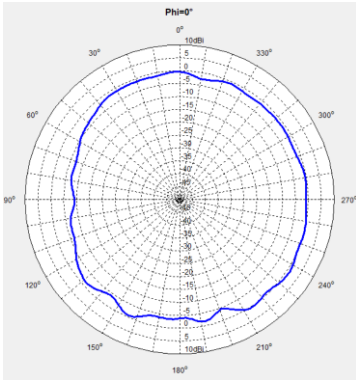
YZ Plane – Total Polarization
Phi=90° - 1710 MHz



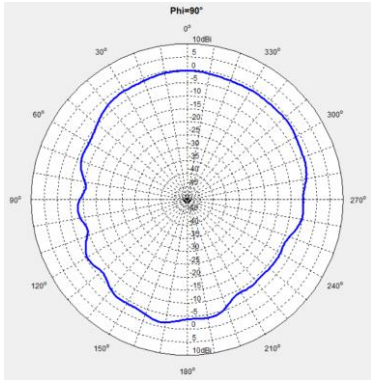
XY Plane – Total Polarization
Theta=90° - 1850 MHz



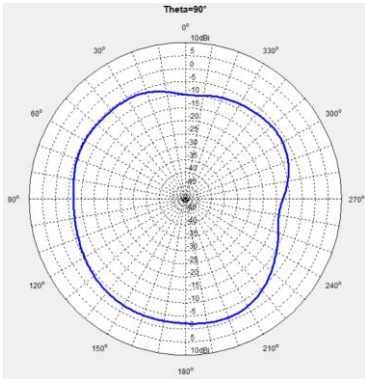
XZ Plane – Total Polarization
Phi=0° - 1850 MHz



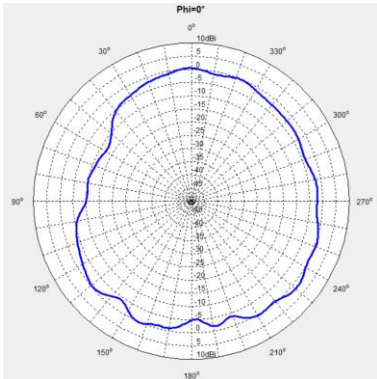
YZ Plane – Total Polarization
Phi=90° - 1850 MHz



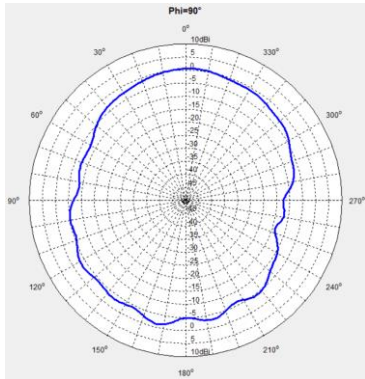
XY Plane – Total Polarization
Theta=90° - 1910 MHz



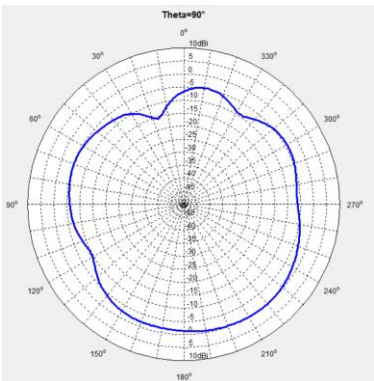
XZ Plane – Total Polarization
Phi=0° - 1910 MHz



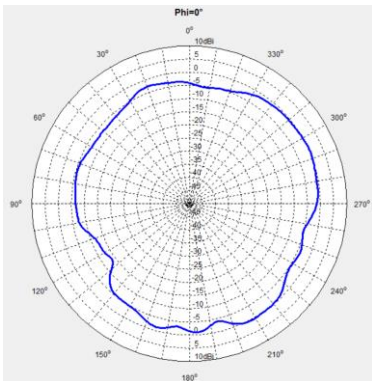
YZ Plane – Total Polarization
Phi=90° - 1910 MHz



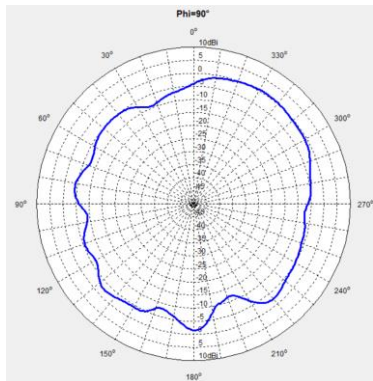
XY Plane – Total Polarization
Theta=90° - 2500 MHz



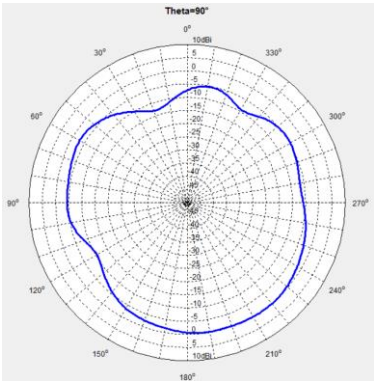
XZ Plane – Total Polarization
Phi=0° - 2500 MHz



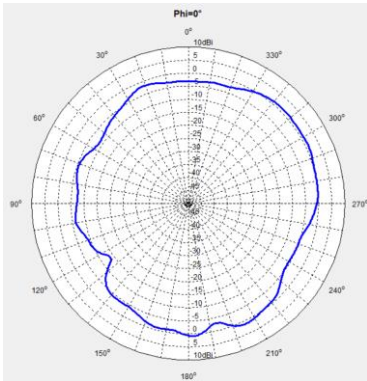
YZ Plane – Total Polarization
Phi=90° - 2500 MHz



XY Plane – Total Polarization
Theta=90° - 2570 MHz



XZ Plane – Total Polarization
Phi=0° - 2570 MHz



YZ Plane – Total Polarization
Phi=90° - 2570 MHz

