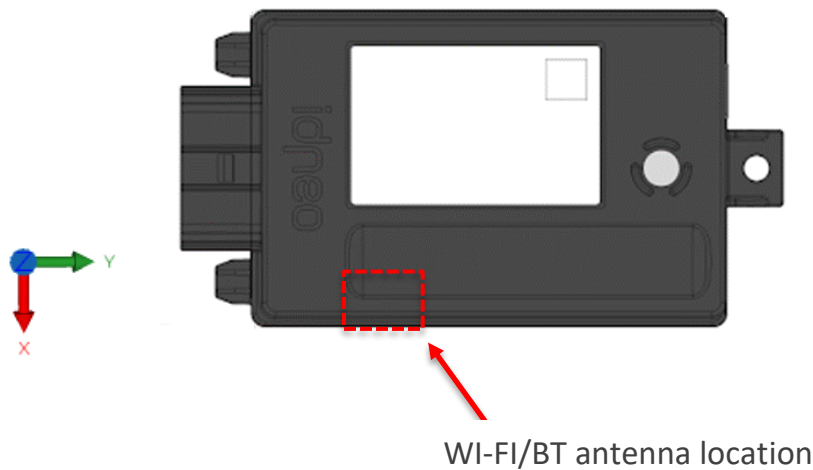




Idneo Technologies S.A.U
Carrer Rec de Dalt, 3
08100 Mollet del Vallès
(Barcelona), Spain
www.idneo.com

- Description

-WIFI/BT antenna is a printed monopole in the PCB.



- Antenna model name

Model name: Ebox AF20 NA WIFI/BT

- Specifications

Mechanical and Electrical specifications	
Operating bands	2.4 GHz Wi-Fi: 2.412 GHz–2.472 GHz 5 GHz Wi-Fi: 5.180 GHz–5.825 GHz Bluetooth: 2.402 GHz–2.480 GHz
Antenna Polarization	Lineal
Antenna Impedance	50 Ohms
Antenna type	Internal printed monopole antenna

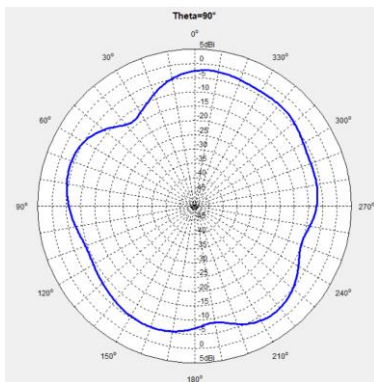
- Maximum antenna gain

Band	Maximum antenna Gain
BT	+3.1 dBi
Wi-Fi 2.4 GHz	+3 dBi
Wi-Fi 5GHz	+4.5 dBi

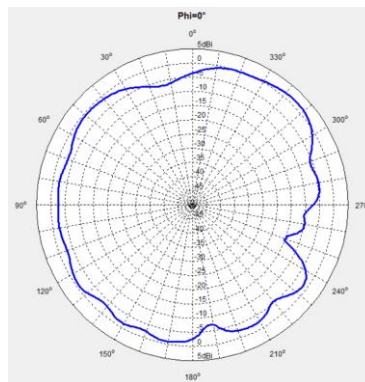
- Radiation patterns

- 2D radiation patterns

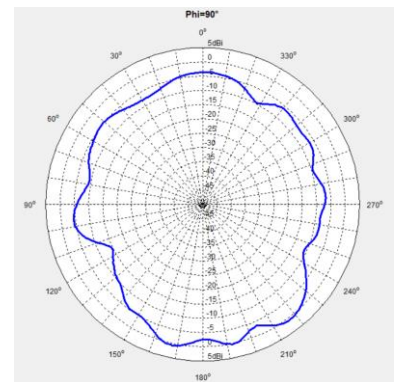
XY Plane – Total Polarization
Theta=90° - 2402 MHz



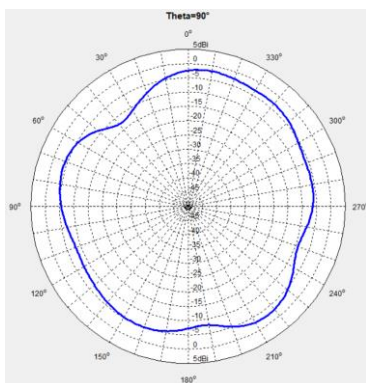
YZ Plane – Total Polarization
Phi=0° - 2402 MHz



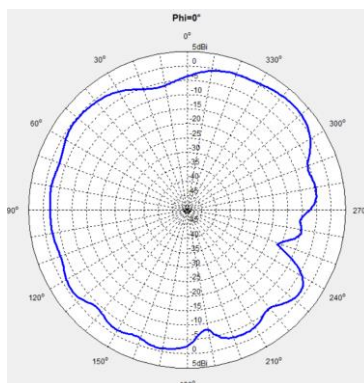
XZ Plane – Total Polarization
Phi=90° - 2402 MHz



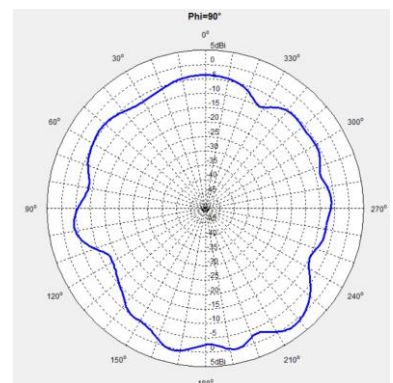
XY Plane – Total Polarization
Theta=90° - 2412 MHz

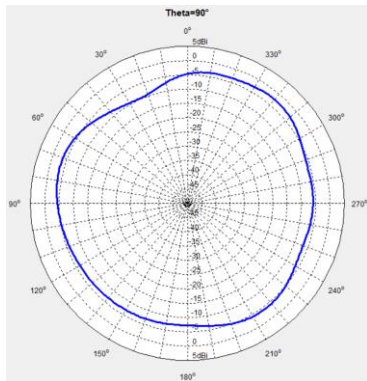
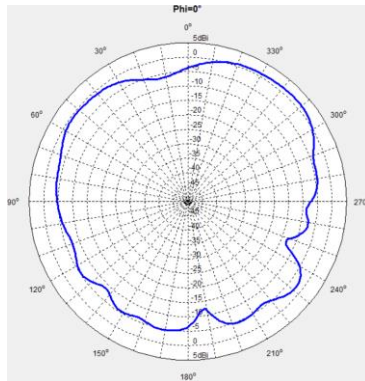
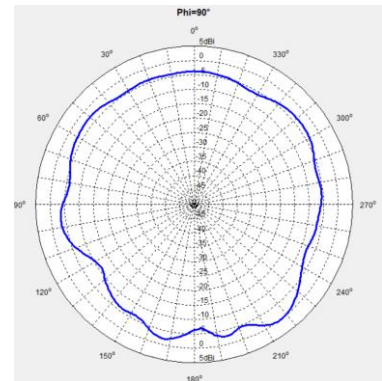
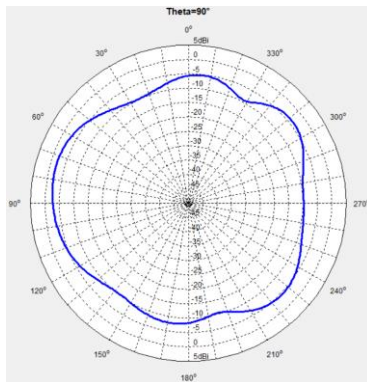
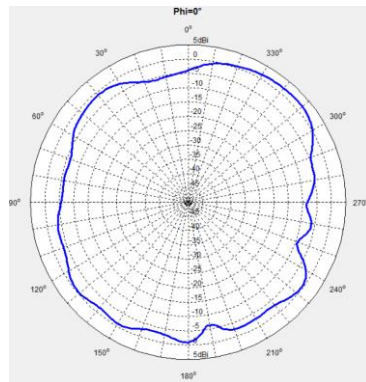
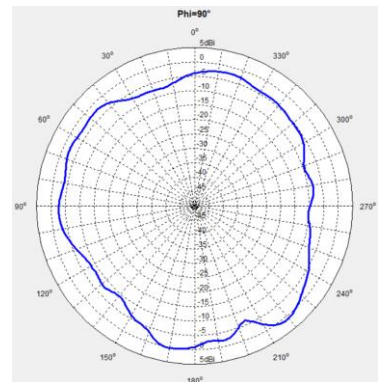
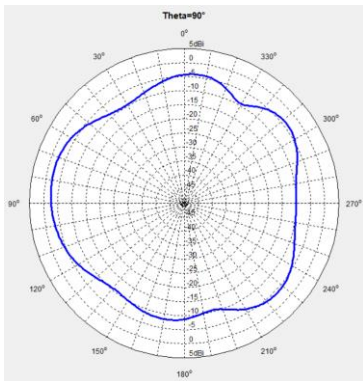
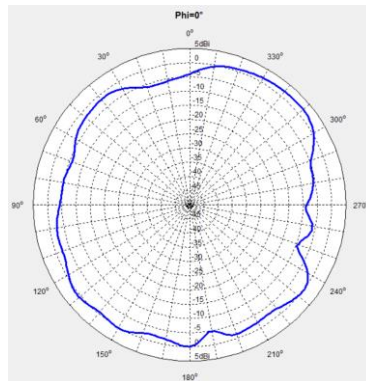
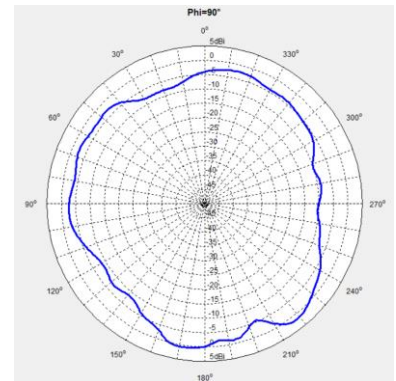


XZ Plane – Total Polarization
Phi=0° - 2412 MHz

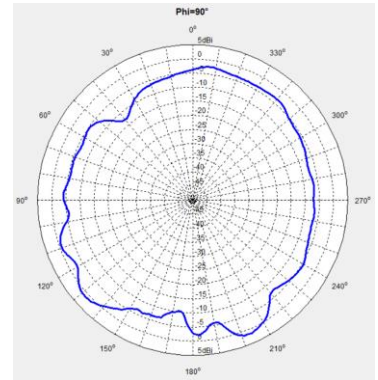


YZ Plane – Total Polarization
Phi=90° - 2412 MHz

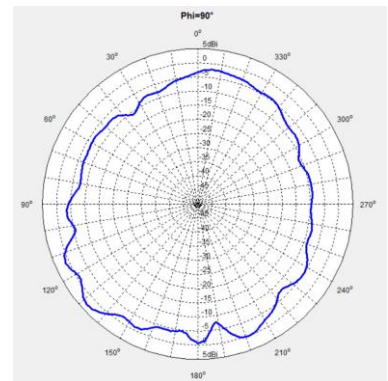


XY Plane – Total Polarization
Theta=90° - 2437 MHzXZ Plane – Total Polarization
Phi=0° - 2437 MHzYZ Plane – Total Polarization
Phi=90° - 2437 MHzXY Plane – Total Polarization
Theta=90° - 2472 MHzXZ Plane – Total Polarization
Phi=0° - 2472 MHzYZ Plane – Total Polarization
Phi=90° - 2472 MHzXY Plane – Total Polarization
Theta=90° - 2480 MHzXZ Plane – Total Polarization
Phi=0° - 2480 MHzYZ Plane – Total Polarization
Phi=90° - 2480 MHz

YZ Plane – Total Polarization
Phi=90° - 5180 MHz



YZ Plane – Total Polarization
Phi=90° - 5520 MHz



YZ Plane – Total Polarization
Phi=90° - 5825 MHz

