

EPA21 is a directive dual band antenna, designed as a solution for full duplex radio systems which require a single antenna with a unique connector, at two different frequencies.

Practically, this antenna is used for data link system: aerial target, UAV, terrestrial robotics, unmanned camera and binoculars, general video surveillance.

When used in a data link application, **EPA21** is generally located at the ground station. In this case it goes with our OBA3 on board antenna which is omni-directional azimuth pattern.

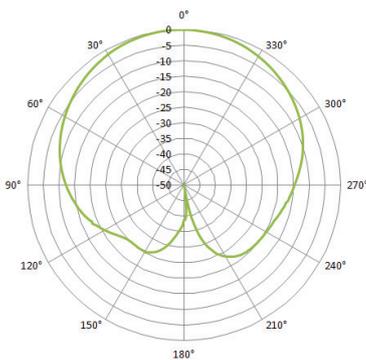
In option, this antenna can be supplied with adequate duplexer, LNA and Power Amplifier.

SPECIFICATIONS

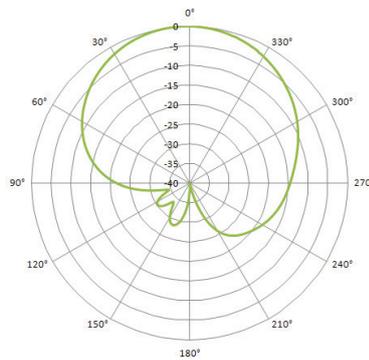
Type	Directive
Covered Frequency bands	870 MHz & 1370 MHz Other frequencies are possible upon request
3 dB beamwidth in E plane	69° @ 870 MHz 58° @ 1370 MHz
3 dB beamwidth in H plane	75° @ 870 MHz 74° @ 1370 MHz
Input impedance	50 Ω
VSWR	< 1.5 @ 870 MHz < 1.5 @ 1370 MHz
Forward gain	6 dB @ 870 MHz 8 dB @ 1370 MHz
Polarization	Vertical
Connector	Unique N female
Material	waterproof PVC based plastic
Radom	White Others on demand
Weight	320 gr
Size	144 x 165 x 26 mm



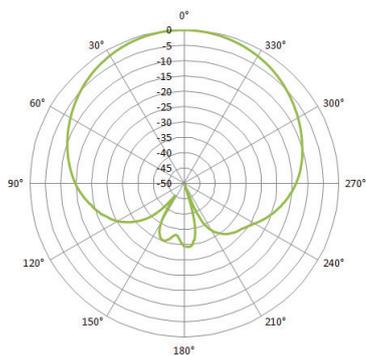
H-plan 870 MHz



E-plan 870 MHz



H-plan 1370 MHz



E-plan 1370 MHz

