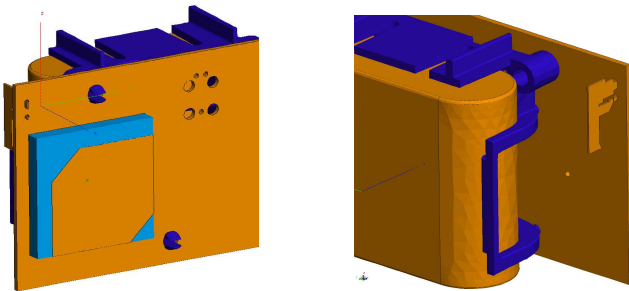


BLE Relay Dual Antennas

Revision: 1



BLE Relay uses two antennas through a power divider. Combined performance of the two antennas including the power divider is specified in this datasheet.

- Antenna 1 type: Patch
- Antenna 2 Type: Inverted F

Technical data (Combined performance)

Dimensions (L x W x H)

Patch: 25 mm × 25 mm x 3 mm

Temperature range

Inverted F: 16.25 mm x 7.1mm x .3mm

-40 ~ +85°C

Frequency range

2.4 – 2.48 GHz

Impedance

50 Ohm

VSWR

≤ 1.9:1

Combined Peak Gain (through the power divider)

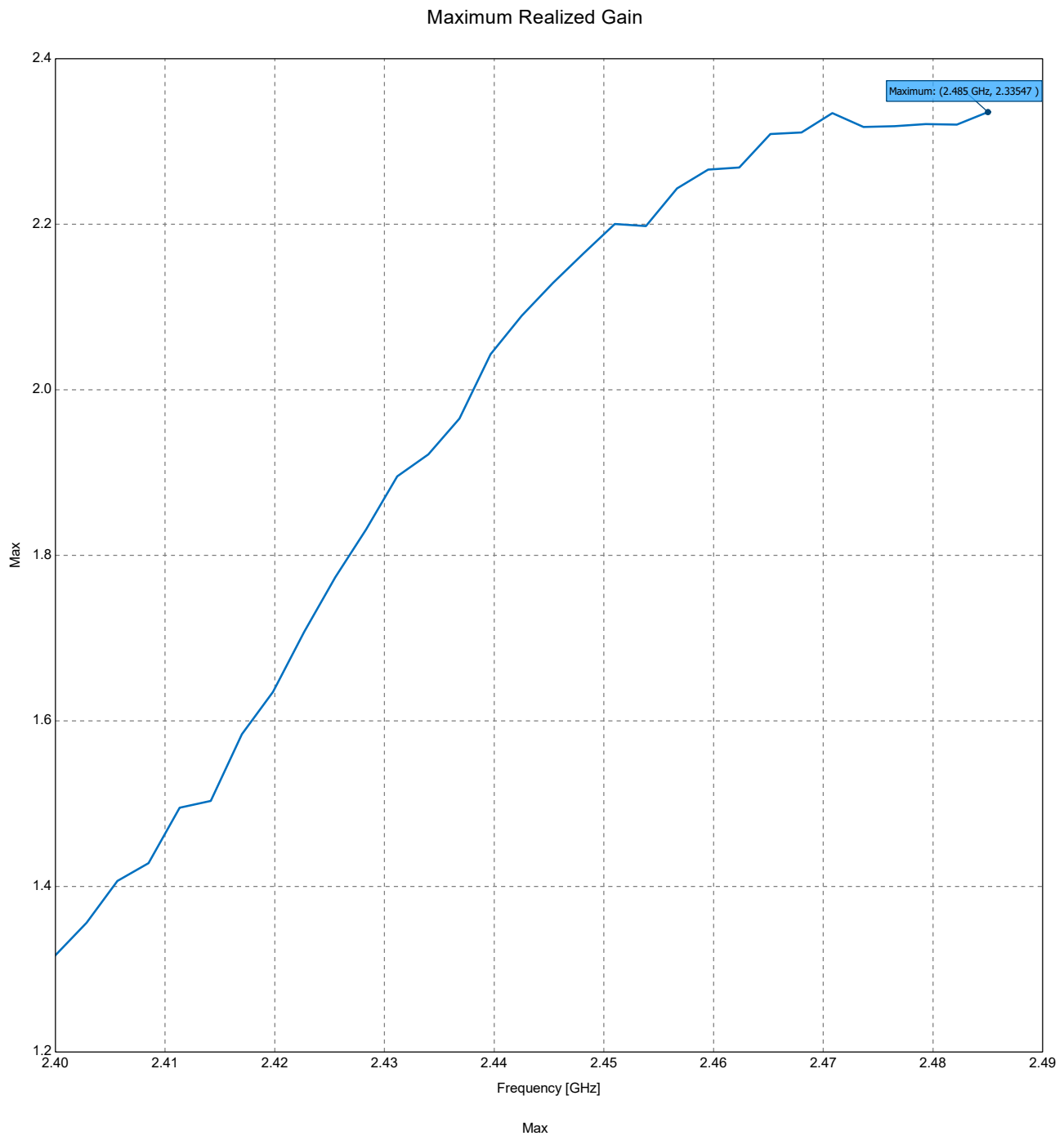
2.3dBi

Polarization

Patch – LHCP

IFA - Linear

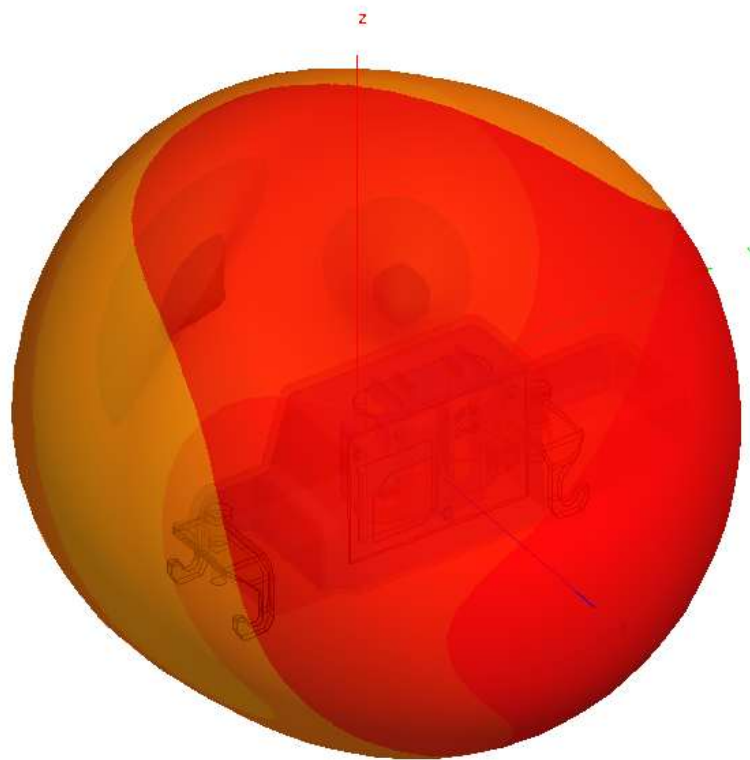
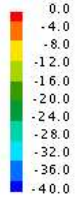
Combined Peak Gain



Combined Antenna Radiation Patterns

2.4 GHz

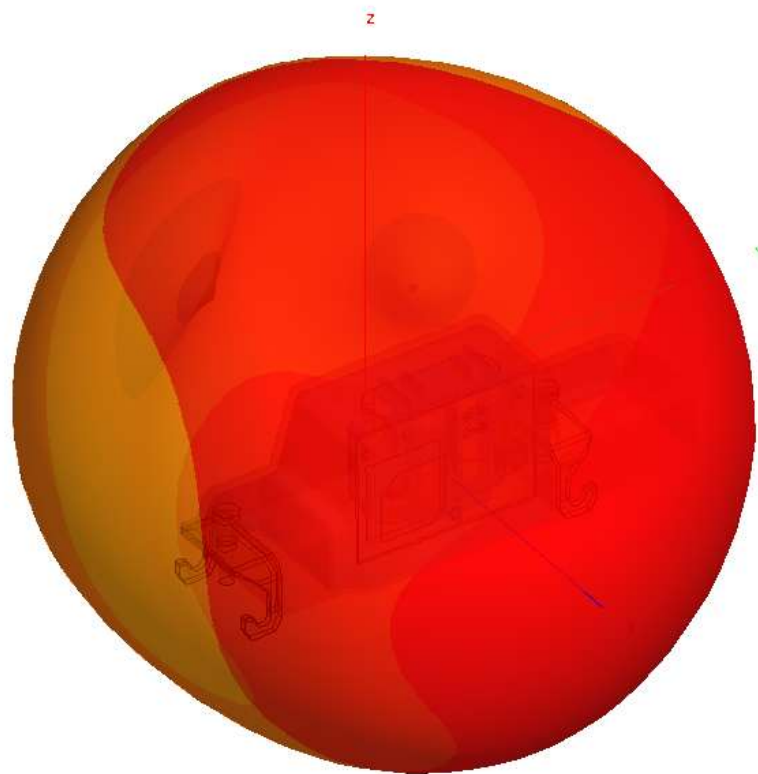
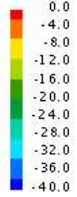
Total Realised gain [dBi]



Combined Antenna Radiation Patterns

2.4425 GHz

Total Realised gain [dBi]



Combined Antenna Radiation Patterns

2.485 GHz

Total Realised gain [dBi]

