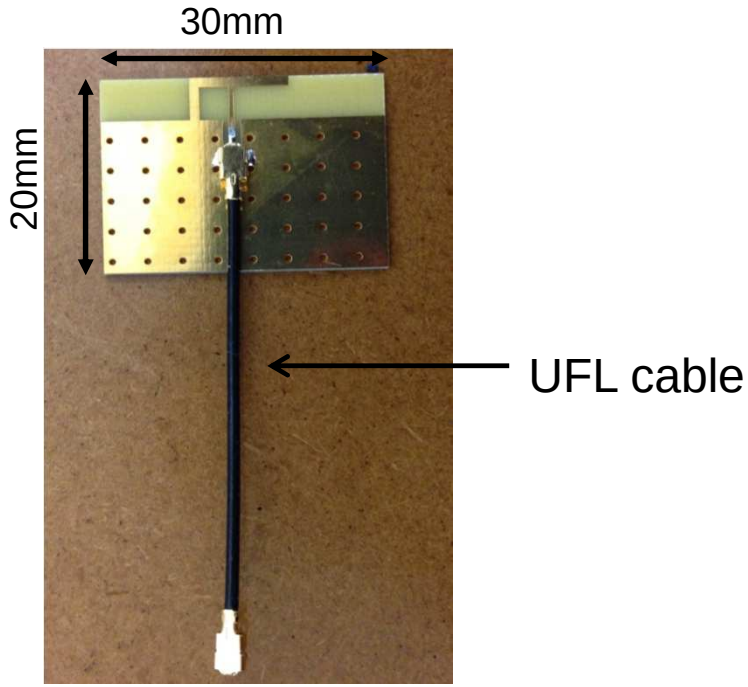
Parrot

move wireless

5GHz external antenna: 3D radiation pattern

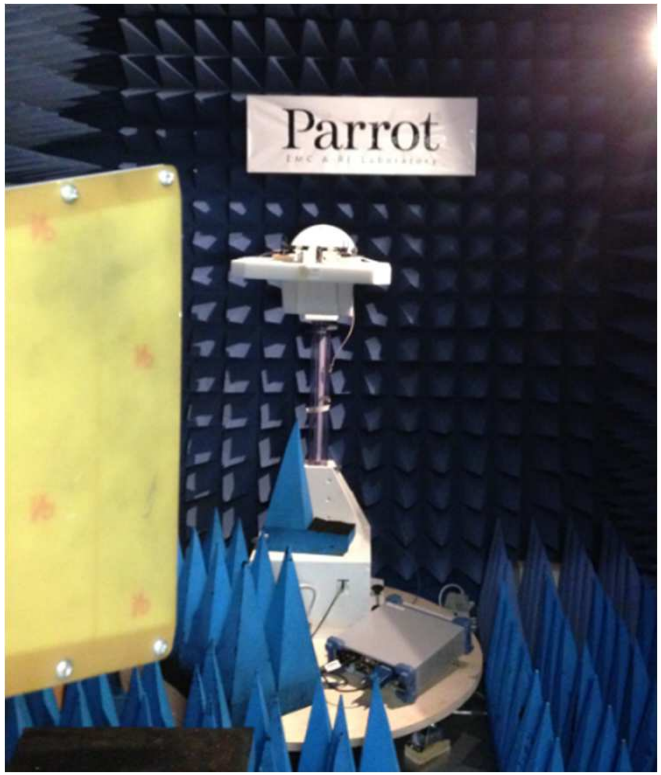
Description of the measured antenna

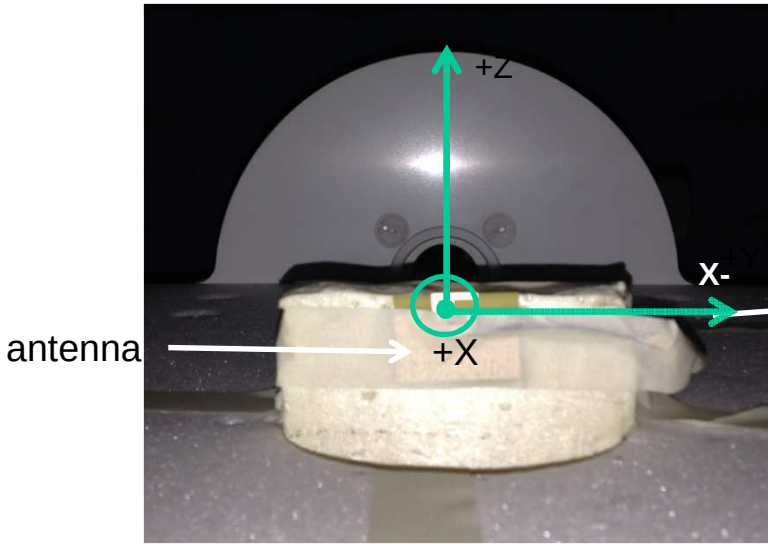
- The measured antenna is an Inverted F Antenna for [5.15GHz-5.85GHz] band
- The antenna is fed by an 50mm UFL cable



Measurement setup

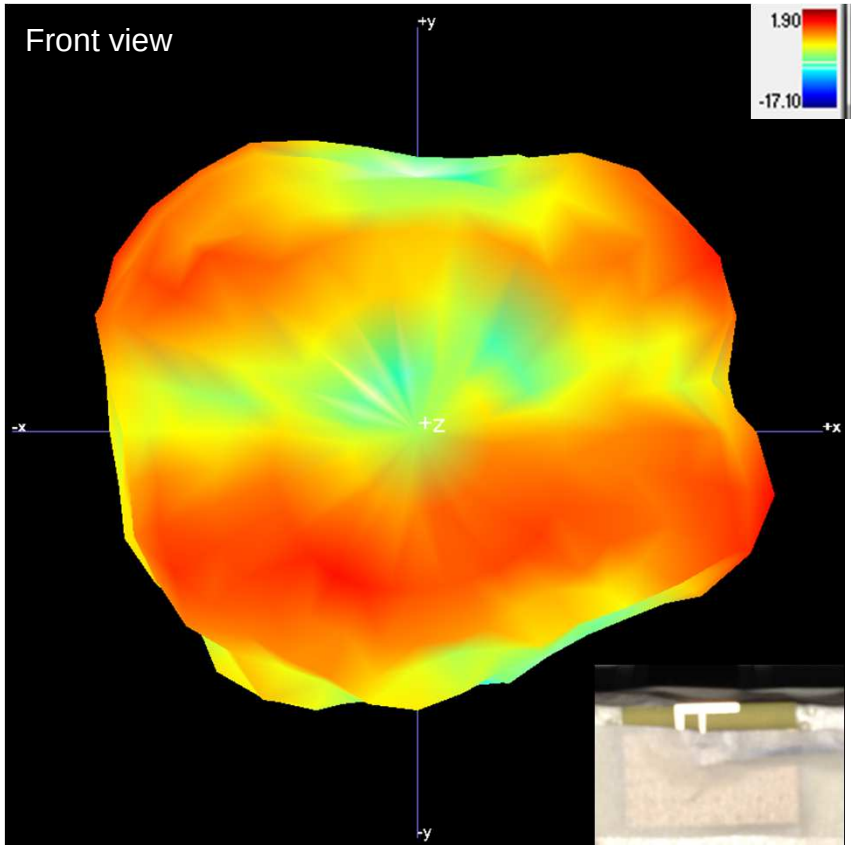
- The measurement was made at Parrot radio test laboratory, with Diagray3D system.
- The antenna was connected to a CW signal generator (R&S SMB100A), signal power=10dBm.
- Angular resolution is : 10°
- Measurement uncertainty : ±1dB

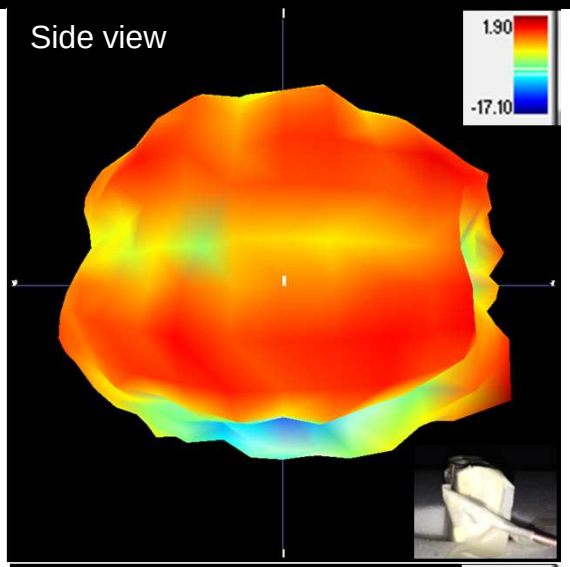


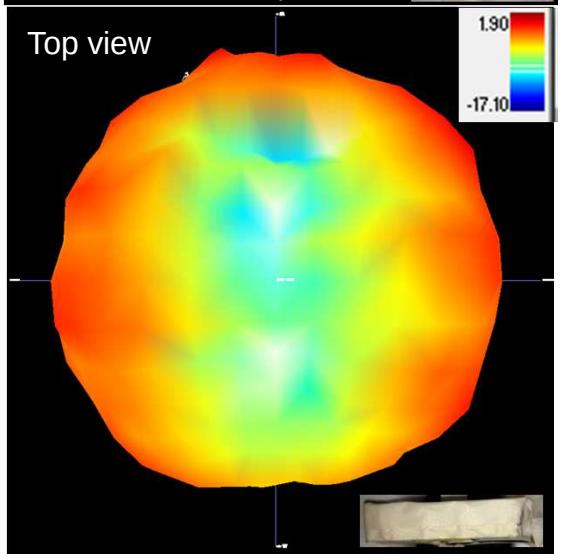


IFA 5GHz: 3D radiation pattern @5150 MHz

Max gain = 1.9dBi
Min gain = -17.1dBi
Mean gain = - 4dBi

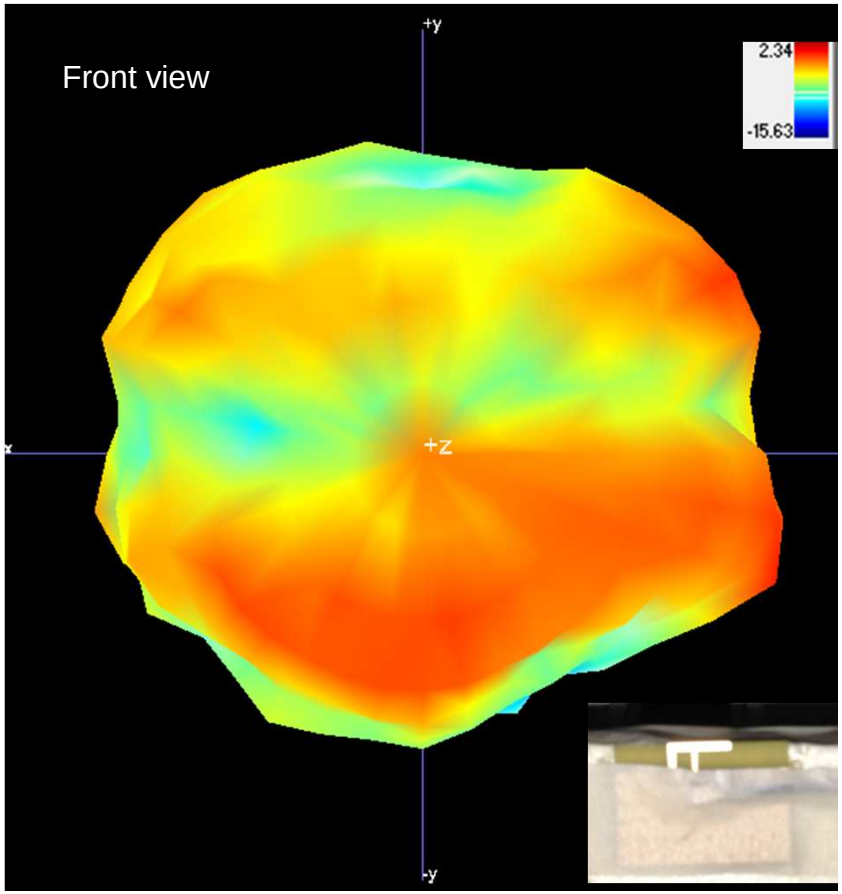


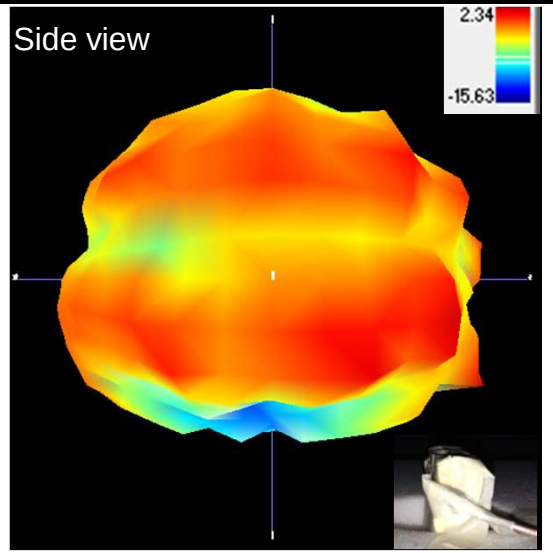


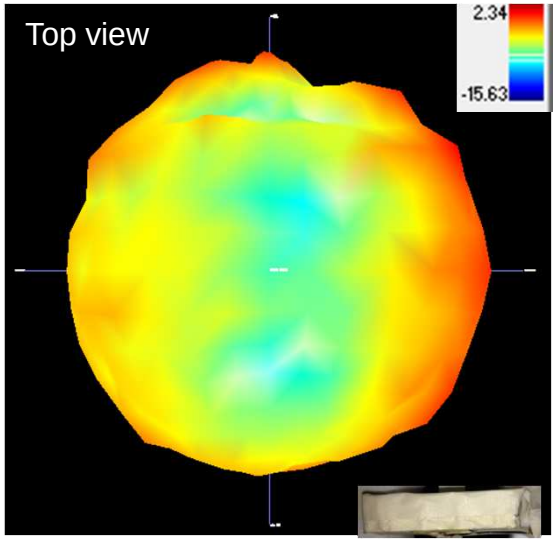


IFA 5GHz: 3D radiation pattern @5500 MHz

Max gain = 2.34dBi
Min gain = -15.63dBi
Mean gain = - 3.72dBi

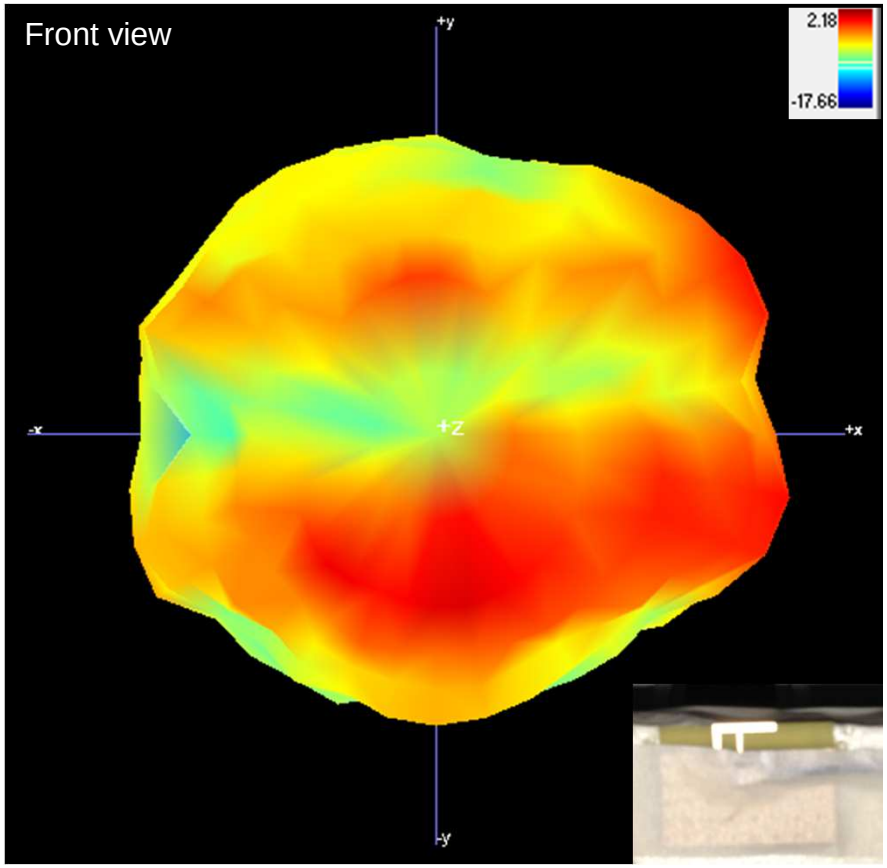


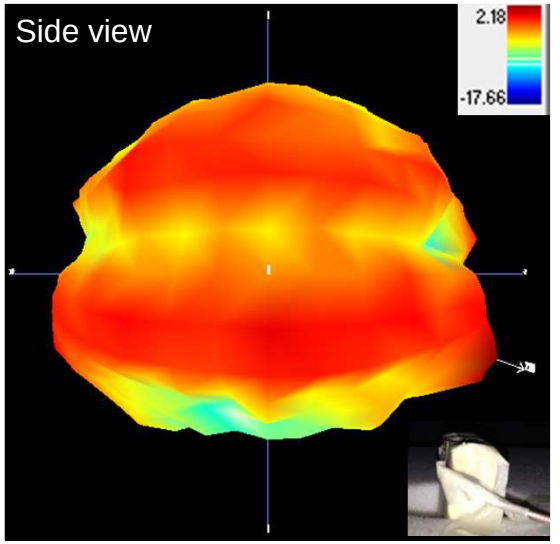


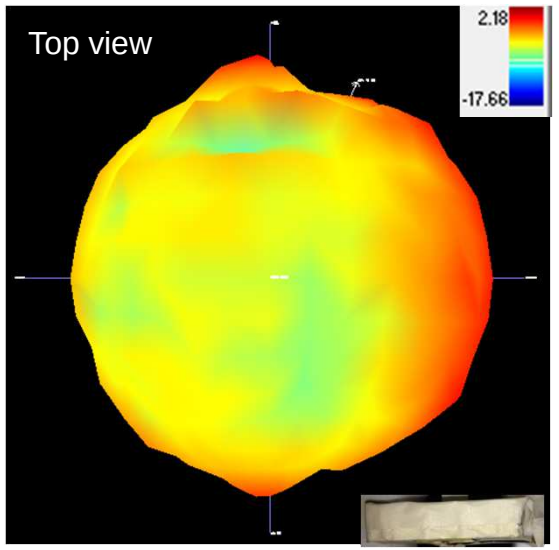


IFA 5GHz: 3D radiation pattern @5850 MHz

Max gain = 2.18dBi
Min gain = -17.66dBi
Mean gain = - 4dBi







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