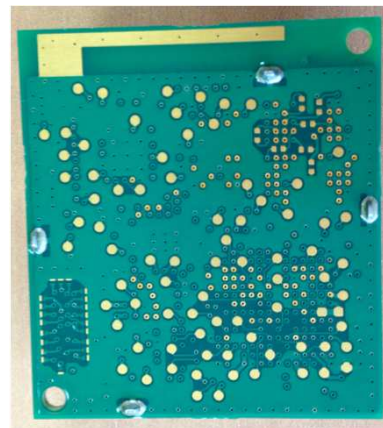


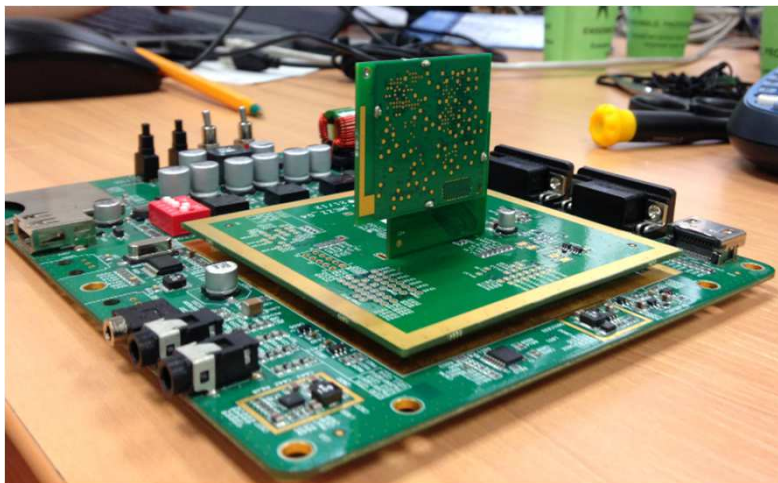
FC6000+internal antenna 3D radiation pattern : horizontal and vertical configurations



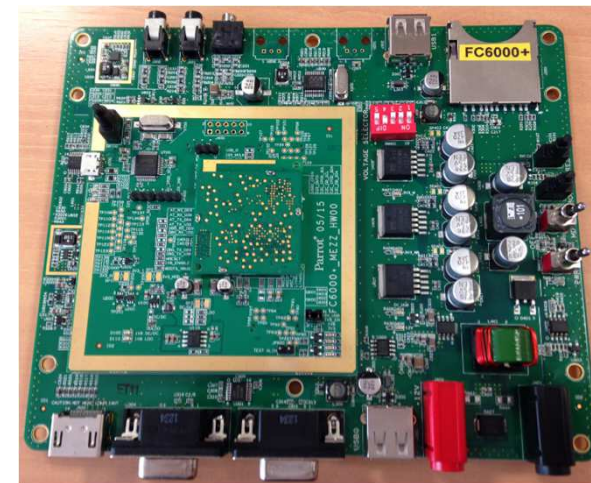
Description of the measured antenna



- The measured antenna is FC6000+ integrated Inverted F Antenna for 2.4GHz band
- The module is installed on a Workbench and mezzanine.
- Two configurations were tested: Vertical configuration, and Horizontal configuration
- The module was set in a permanent CW emission mode @ 2441MHz using WxHipHop command.



Vertical configuration



Horizontal configuration

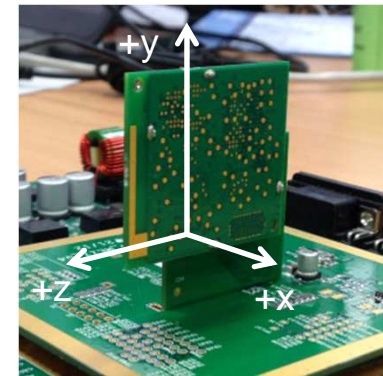
Measurement setup



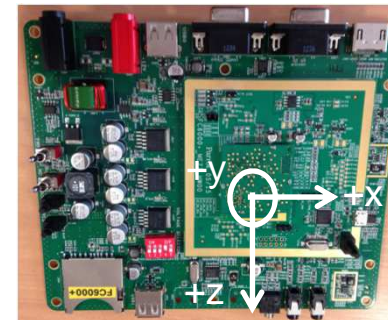
- The measurement was made at Parrot radio test laboratory, with Diagray3D system.
- Angular resolution is : 10°
- Measurement uncertainty : $\pm 1\text{dB}$



DiagRay3D



VIA

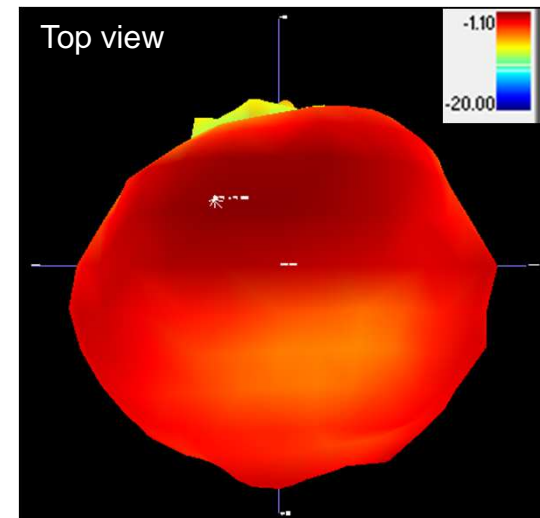
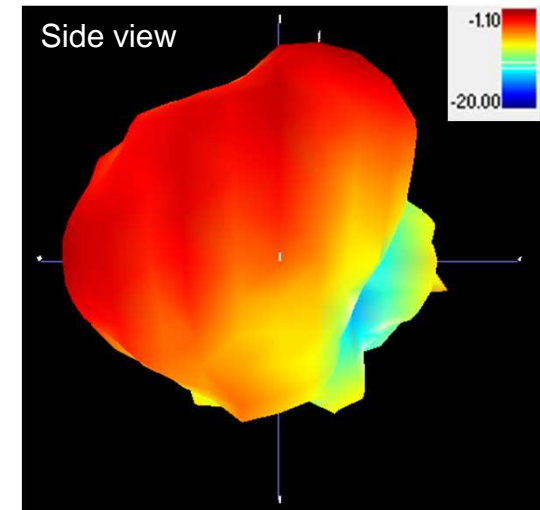
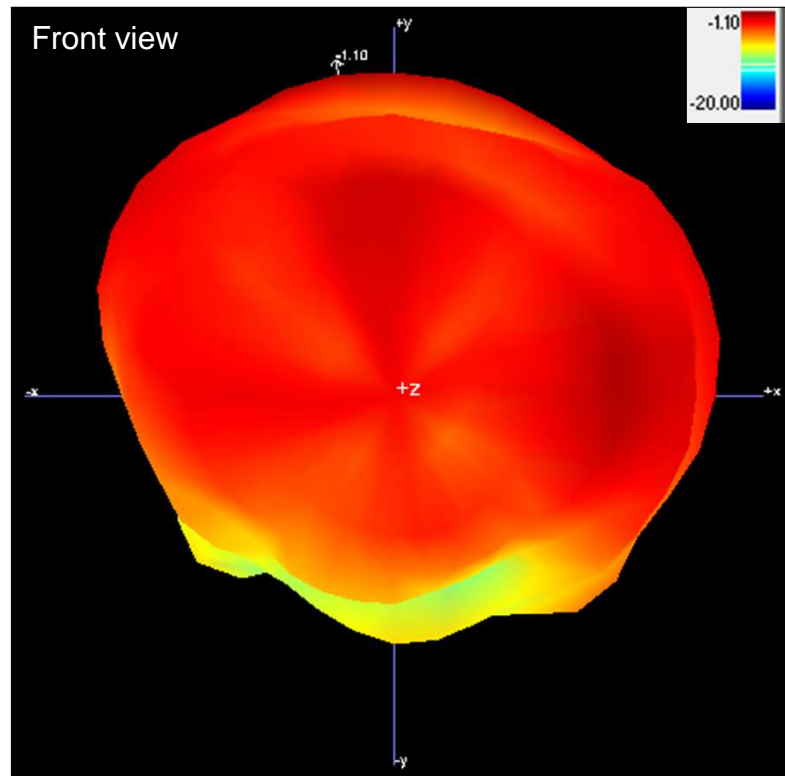


HIA

VIA: 3D radiation pattern @2441MHz



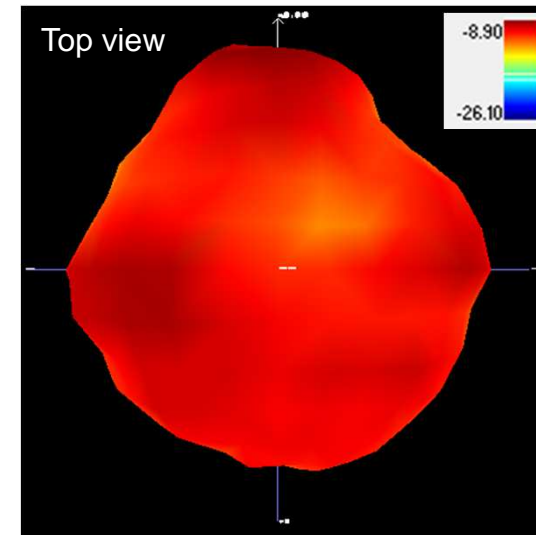
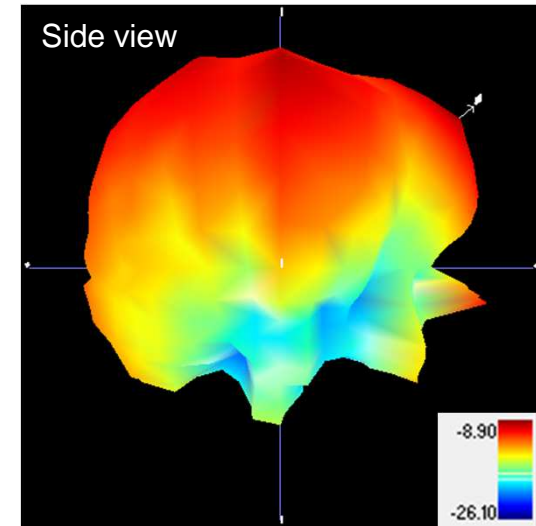
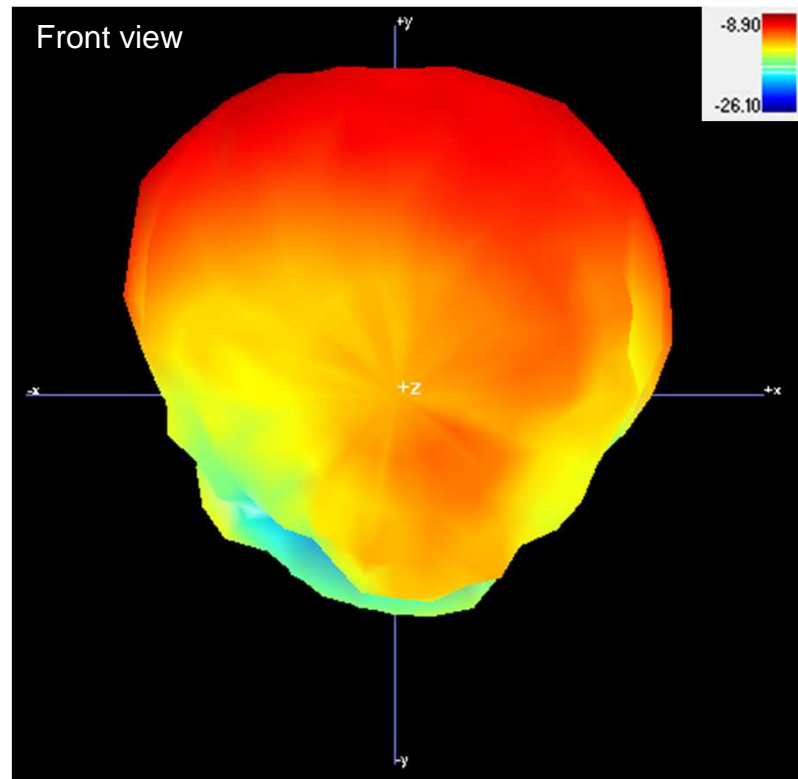
Max gain = -1.10dBi
Min gain = -20dBi
Mean gain = - 5.86dBi



HIA: 3D radiation pattern @2441MHz



Max gain = -8.9dBi
Min gain = -26.1dBi
Mean gain = - 14.43dBi





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