



ZIK2: BT antenna 3D radiation pattern Without Head Phantom

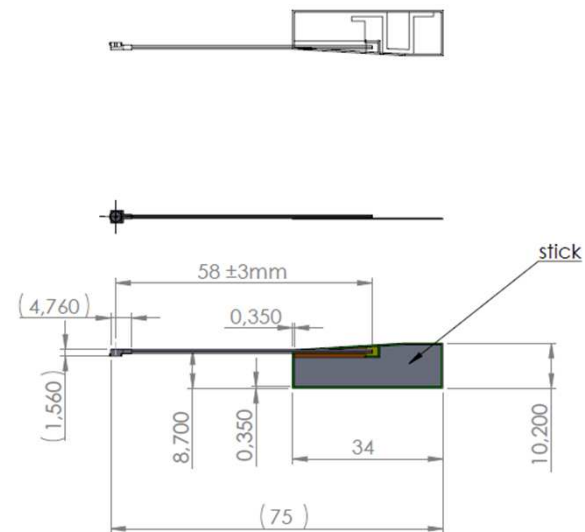
Description of the Equipment Under Test



- The measured headset is a ZIK2 DV2 integrating a Bluetooth PCB antenna in the right side
- For 3D radiation pattern, the headset is set in continuous emission mode of a CW signal @ 2440MHz
- Measured conducted power is 8.5dBm



ZIK2

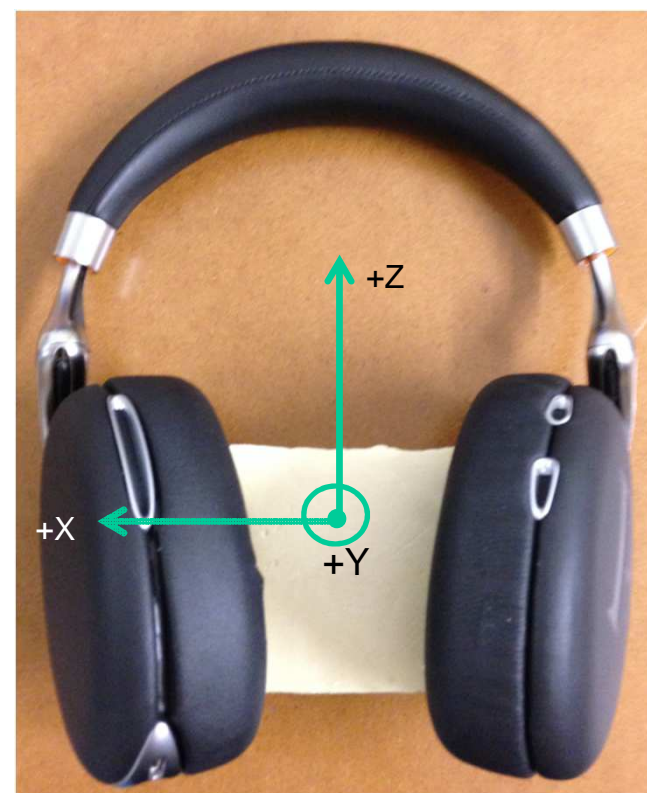
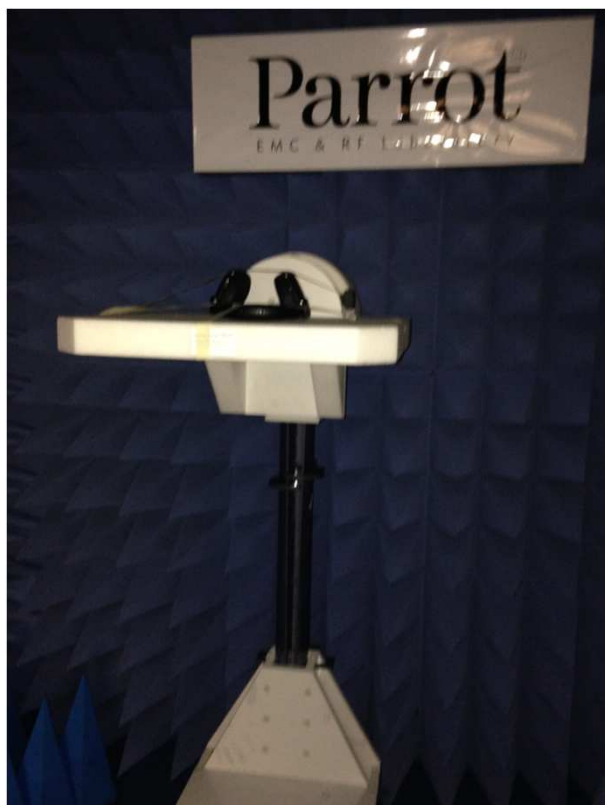


ZIK2 BT antenna

Measurement setup



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

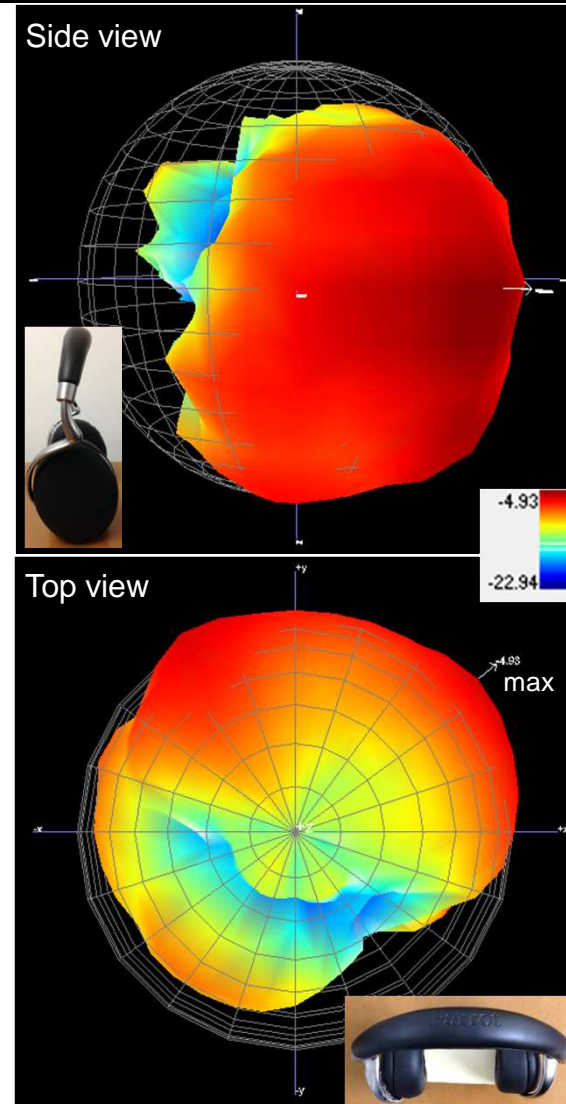
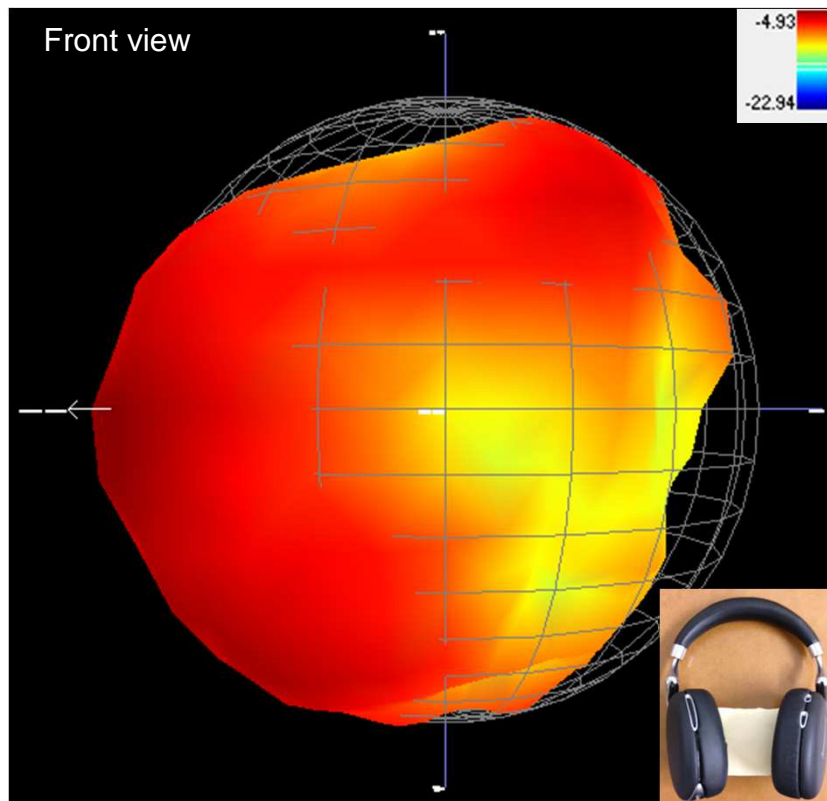


ZIK2 without head phantom: 3D radiation pattern @2440MHz



Max gain = -4.93dBi
Min gain = -22.94dBi
Mean gain = -10.5dBi

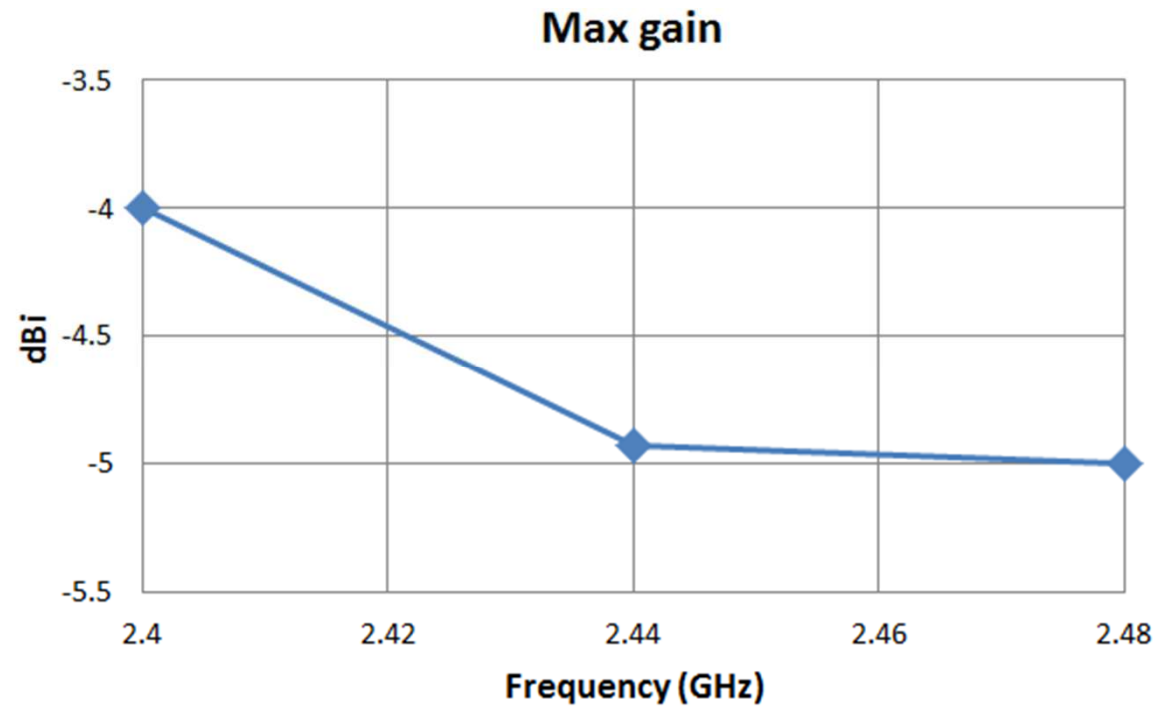
The grid represents Gain max-3dB



ZIK2 without head phantom : Max gain VS frequency



Measurement accuracy: $\pm 1\text{dB}$





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www.parrot.com

PARROT S.A.
174, quai de Jemmapes
F-75010 Paris
T: +33 1 48 03 60 60