

FF-30ANT antenna

1. Scope

This specification applies to ANTwave FF-30ANT antenna for Well being in-ear wireless BT audio.

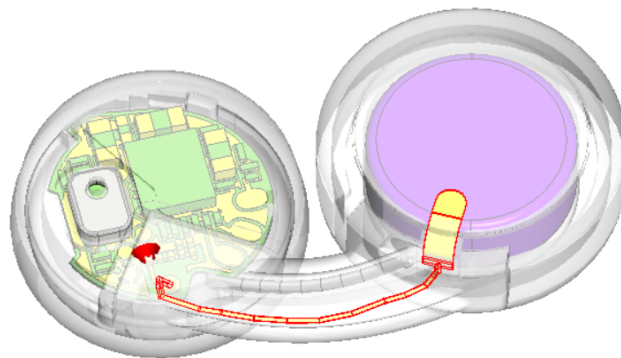
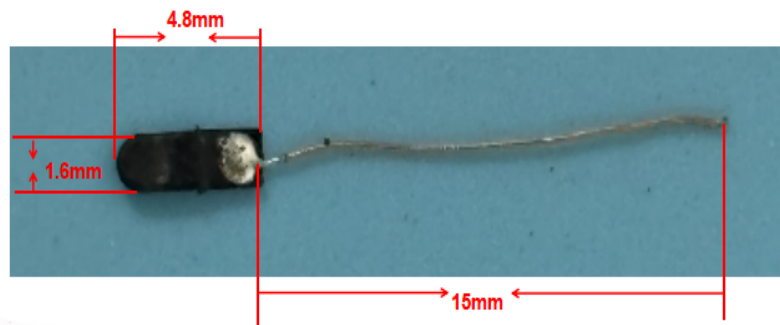


Fig 2.1 Antenna in ear-piece



2. Characteristics

- Material: Copper wire
- S11: $\leq -10\text{dB}$
- Peak gain: 1.73dBi
- Antenna type: Internal antenna

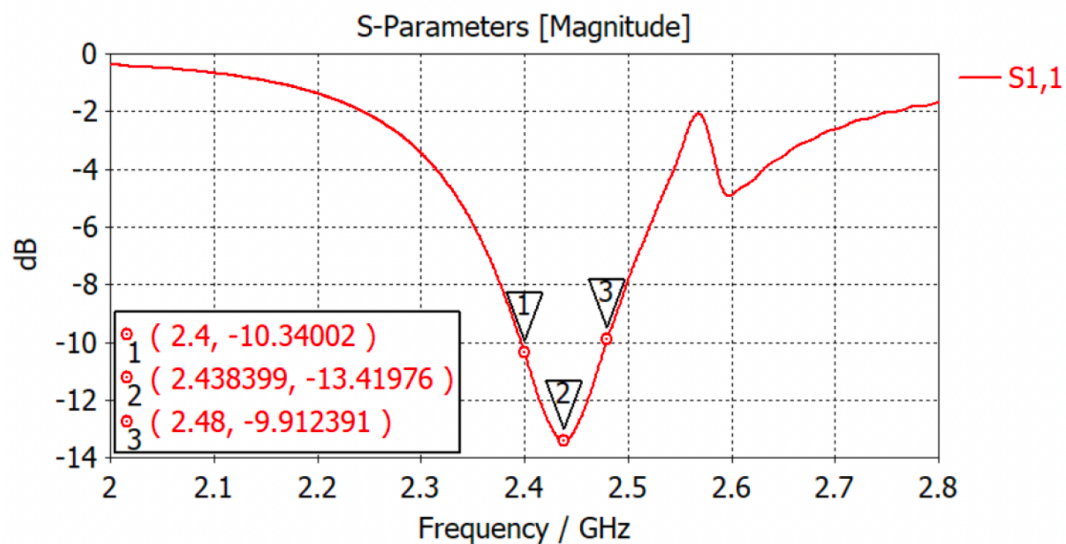


Fig 2.1 S11 of antenna

参数Parameter	规格Specification	单位Units
频带 Frequency Band	2400~2483	MHz
极化 Polarization	Linear	
*峰值增益Peak Gain	1.73dBi	dBi
峰值效率Peak Efficiency	66.5%	%
阻抗 Impedance 50 Ω	50	Ω

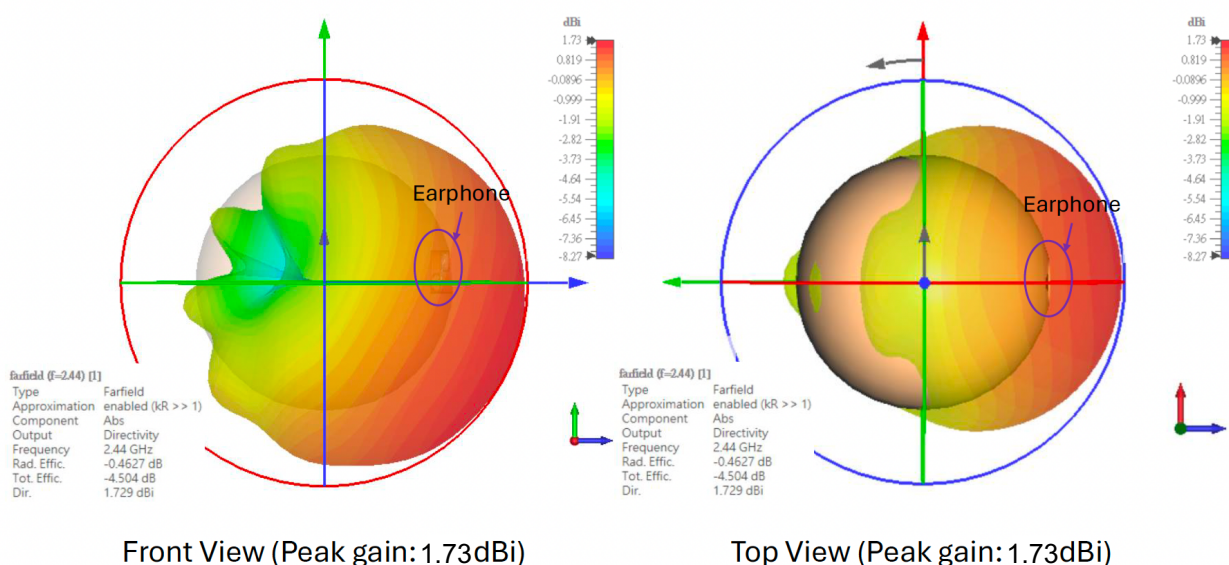


Fig 2.2 Radiation pattern and gain of antenna

3. Shape and Dimensions

Copper wire with isolation layer diameter: 0.3mm

4. Recommended matching circuit

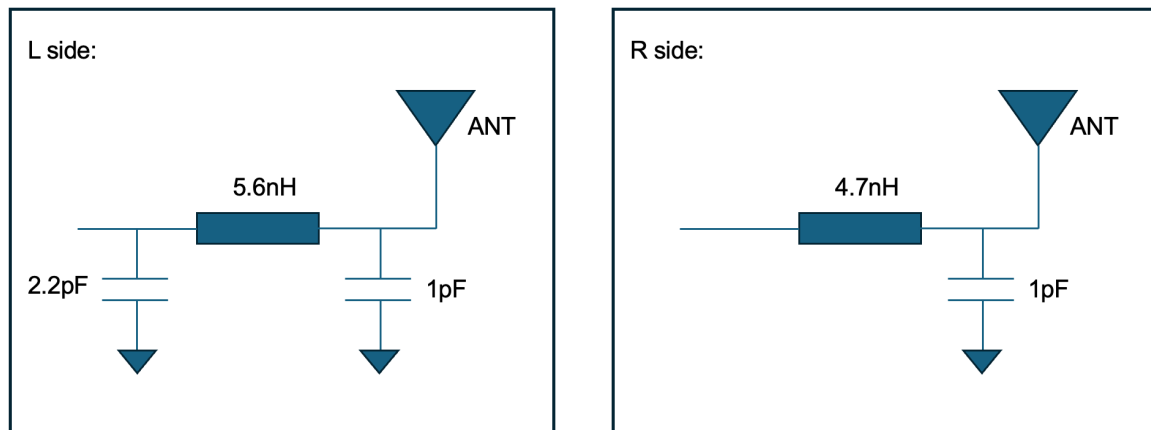


Fig 4.1 recommended matching circuit for antenna