



BLE Antenna (ARF52840)

Spécifications

Sommaire

1.	SPECIFICATIONS PHYSIQUES.....	3
1.1	ANTENNA VIEW.....	ERREUR ! SIGNET NON DEFINI.
1.2	CAO ANTENNA	3
1.3	DIMENSIONS	3
2.	PERFORMANCE.....	4
2.1	SIMULATION.....	4
2.2	MEASURE REALIZED	5

TABLE DES ILLUSTRATIONS

Figure 1	3D view of the map with Antenna	Erreur ! Signet non défini.
Figure 2	CAO of the BLE antenna, in red on the Top side, in blue on the Bottom side.....	3
Figure 3	Dimension of the BLE antenna on the PCB	3
Figure 4	Smith S11 antenna BLE	4
Figure 5	RL S11 antenna BLE	4
Figure 6	Simulation Farfield Antenna BLE	5
Figure 7	Radiation Pattern 2450M Pol V	5

1. Spécifications physiques

1.1 CAO Antenna

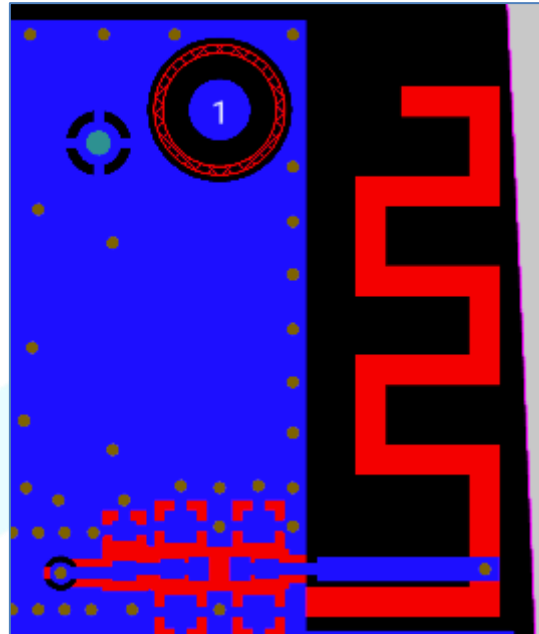


Figure 1 CAO of the BLE antenna, in red on the Top side, in blue on the Bottom side

Dimensions

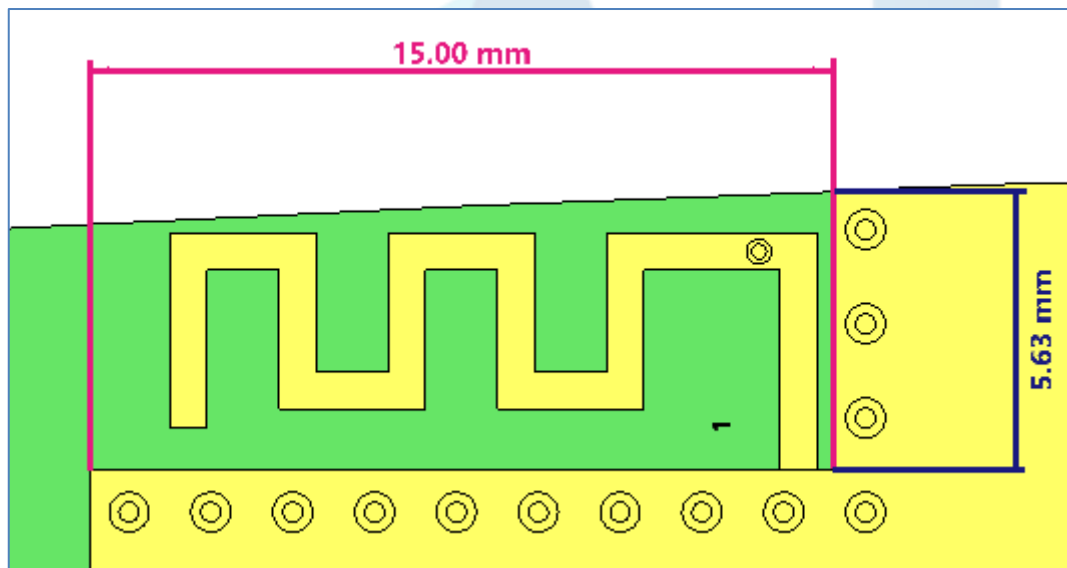


Figure 2 Dimension of the BLE antenna on the PCB

2. Performance

2.1 Simulation

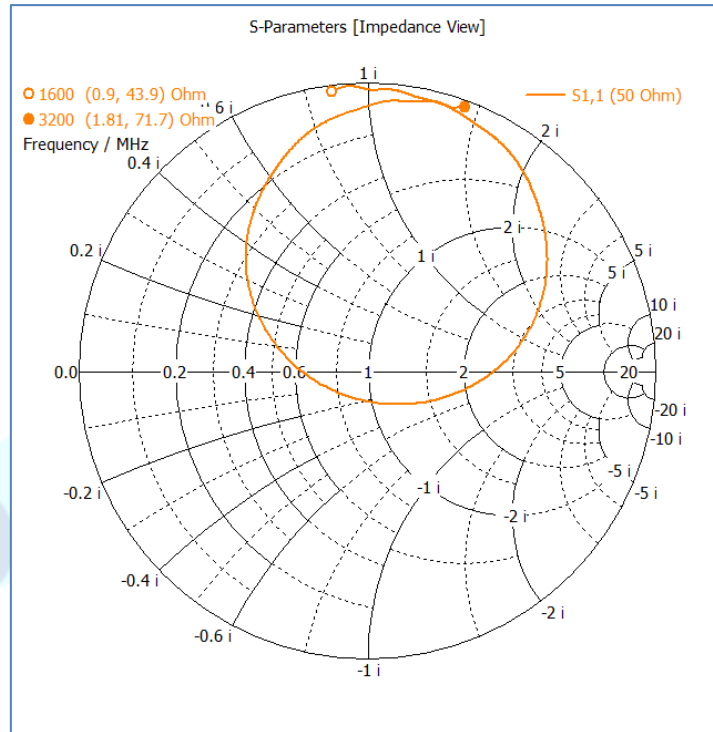


Figure 3 Smith S11 antenna BLE

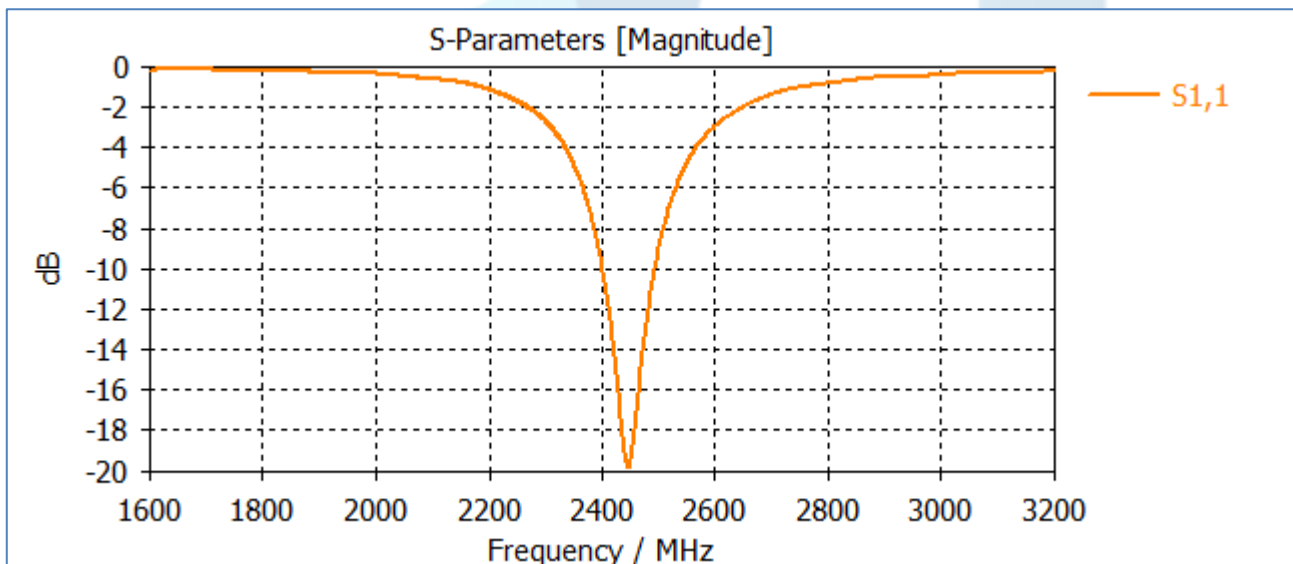


Figure 4 |RL| S11 antenna BLE

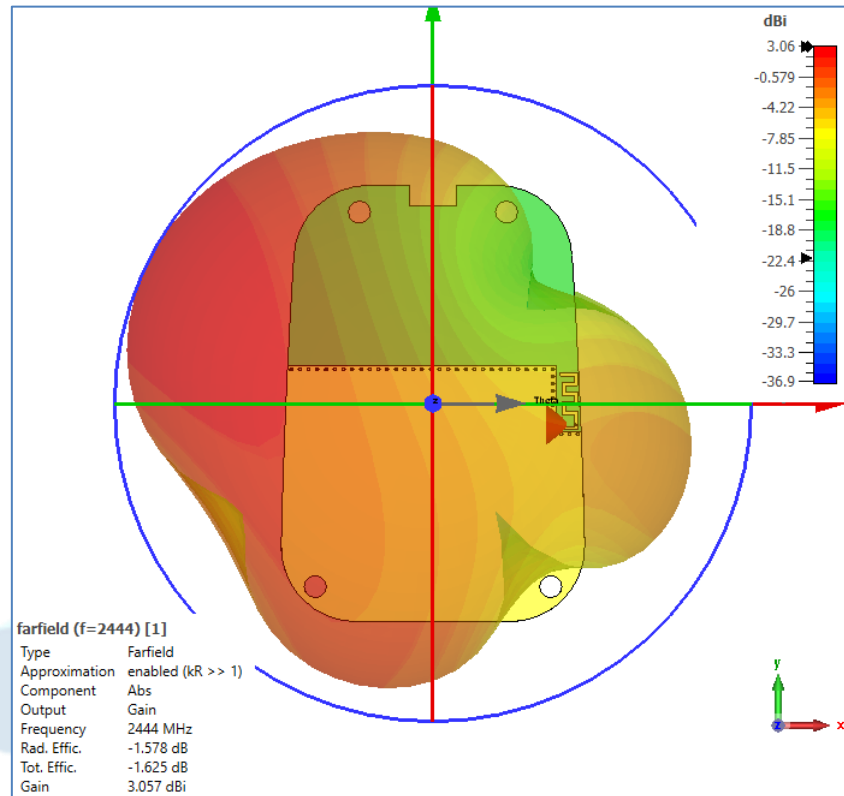


Figure 5 Simulation Farfield Antenna BLE

2.2 Measure realized

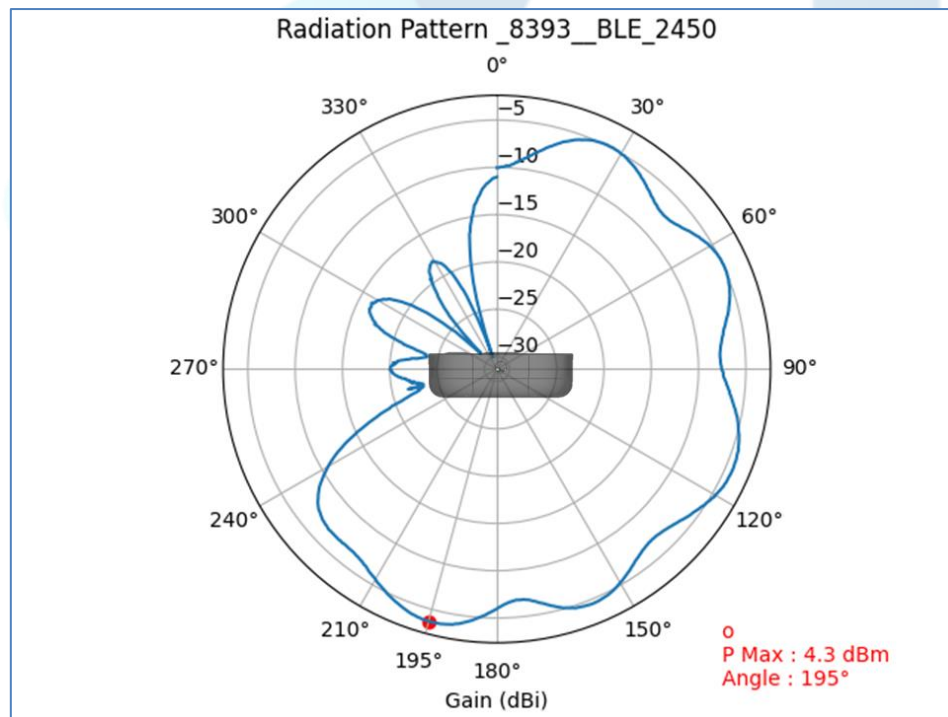


Figure 6 Radiation Pattern 2450M Pol V

Conducted power: 4.2 dBm
Radiated power: 4.3 dBm
Antenna gain: 0.1 dB