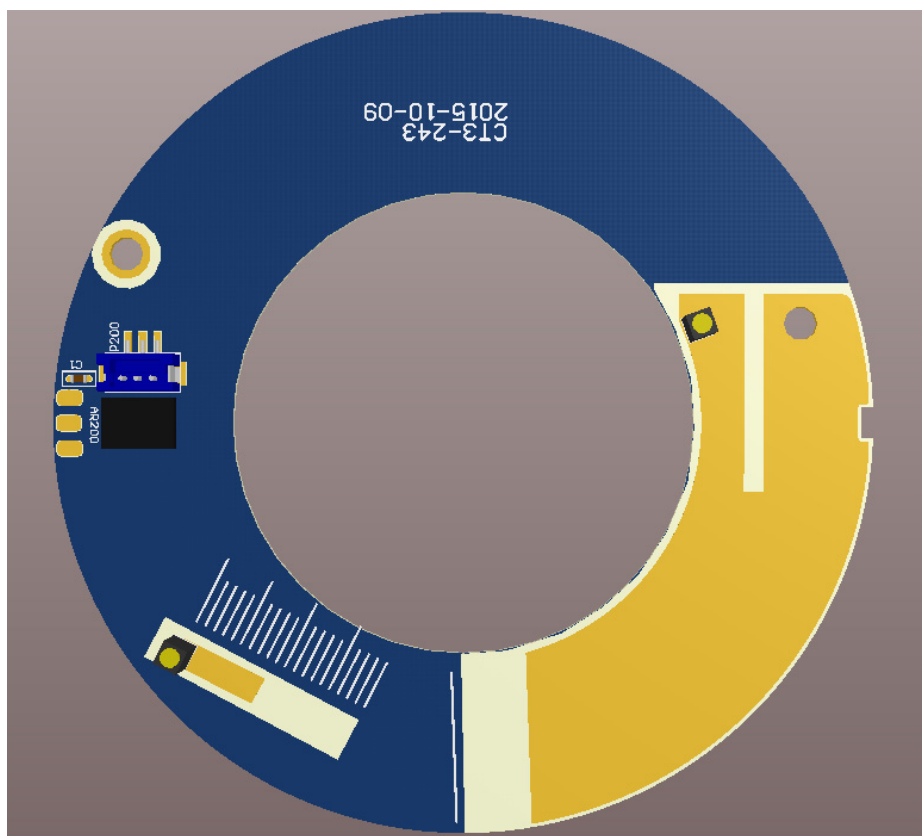


# AX3-BTB Antenna Specification

## 1. TECHNICAL SPECIFICATION

| Electrical Specifications   |                                                           |               |
|-----------------------------|-----------------------------------------------------------|---------------|
| Antenna Type                | PCB                                                       | PCB           |
| Frequency Range(Mhz)        | EU(865-870), US( 902~928)                                 | CRMX2402~2480 |
| Input Impedance( $\Omega$ ) | 50                                                        | 50            |
| V.S.W.R                     | $\leq 3$                                                  | $\leq 3$      |
| Antenna Length(mm)          | 100 degree arc belt with radius 24 mm and radius 41 mm    | 10×2.8        |
| Gain(dBi)                   | EU(-1.65), US( -0.22)                                     | NA            |
| Pcb size(mm)                | $\Phi 82.7\text{mm}$ with $\Phi 46.5\text{mm}$ hole×1.6mm |               |
| Radiator                    | copper                                                    |               |

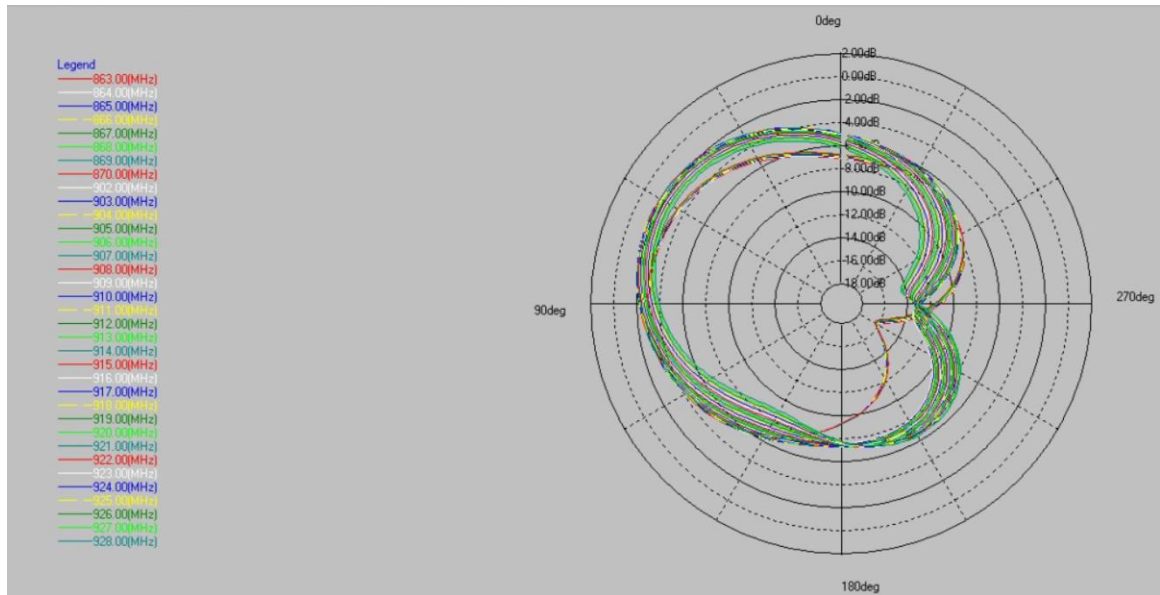
## 2. ANTENNA PICTURE



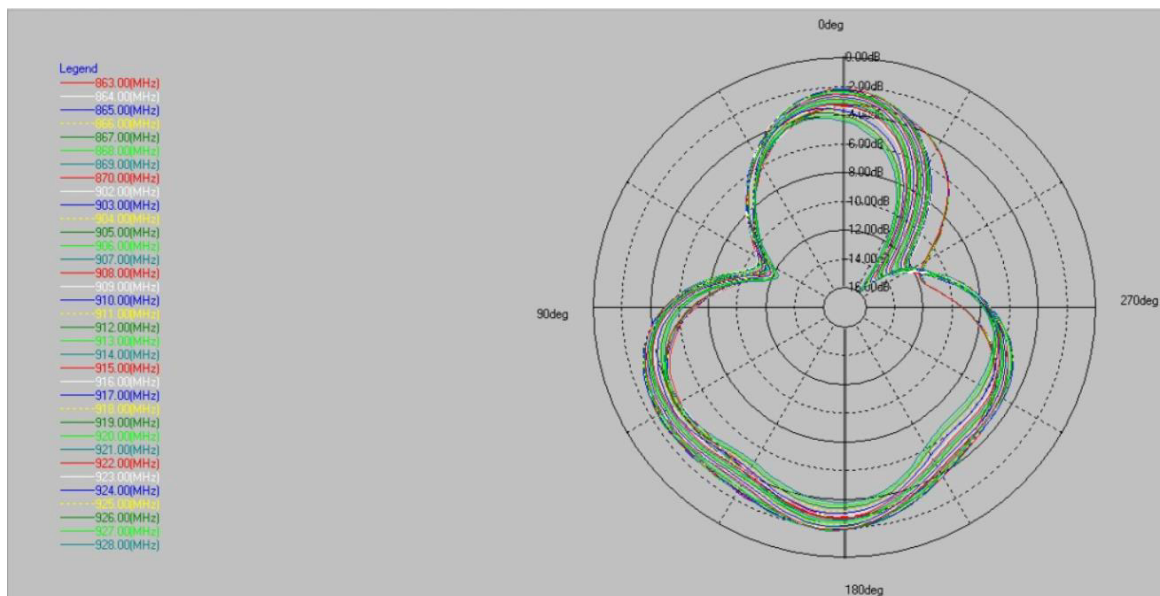
### 3. RADIATION DIAGRAM

Antenna Pattern:

Theta=90

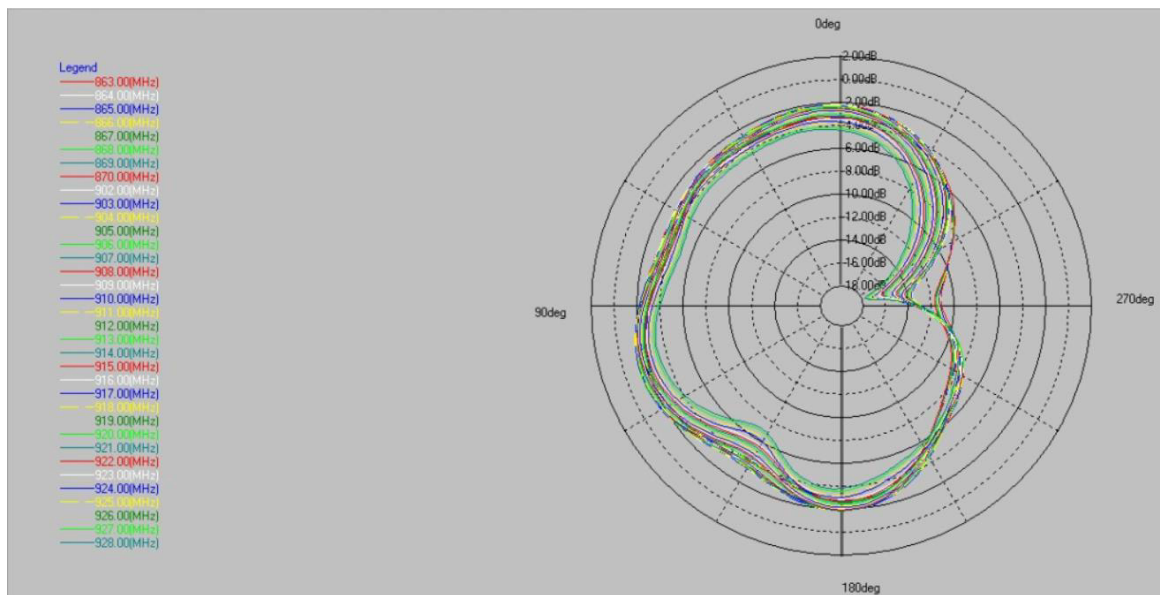


Phi =0





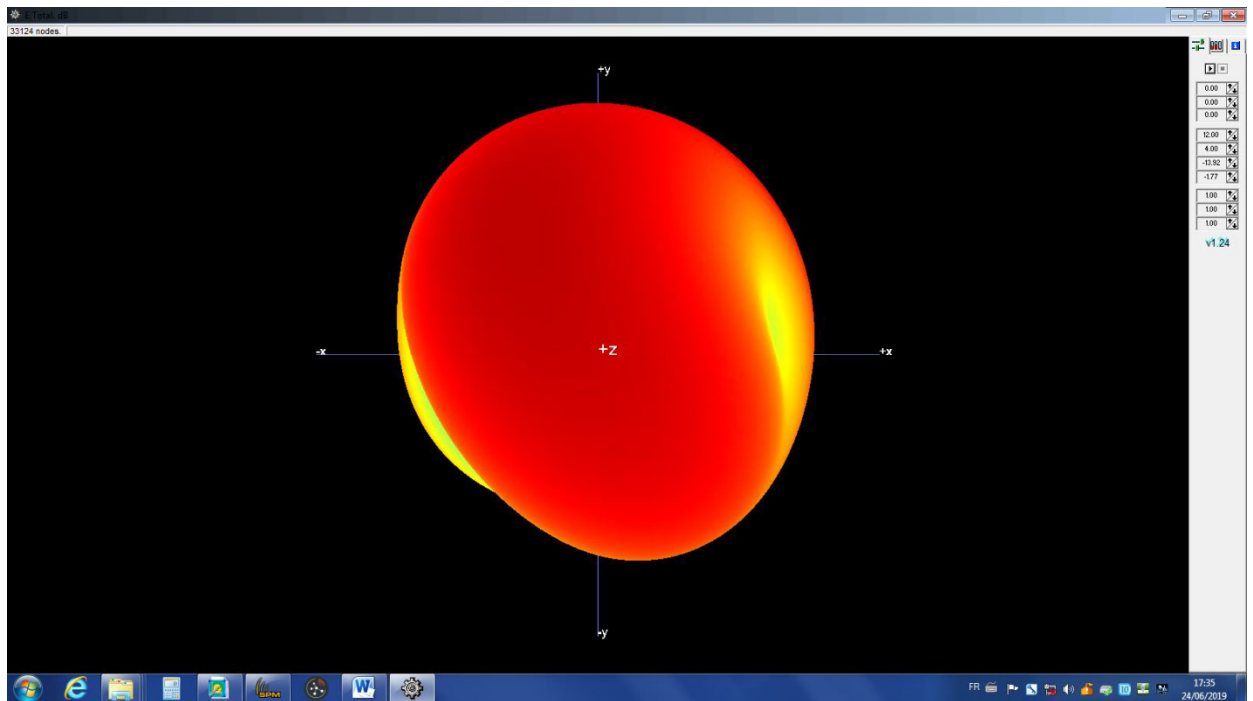
Phi=90



Antenna 3D Pattern:

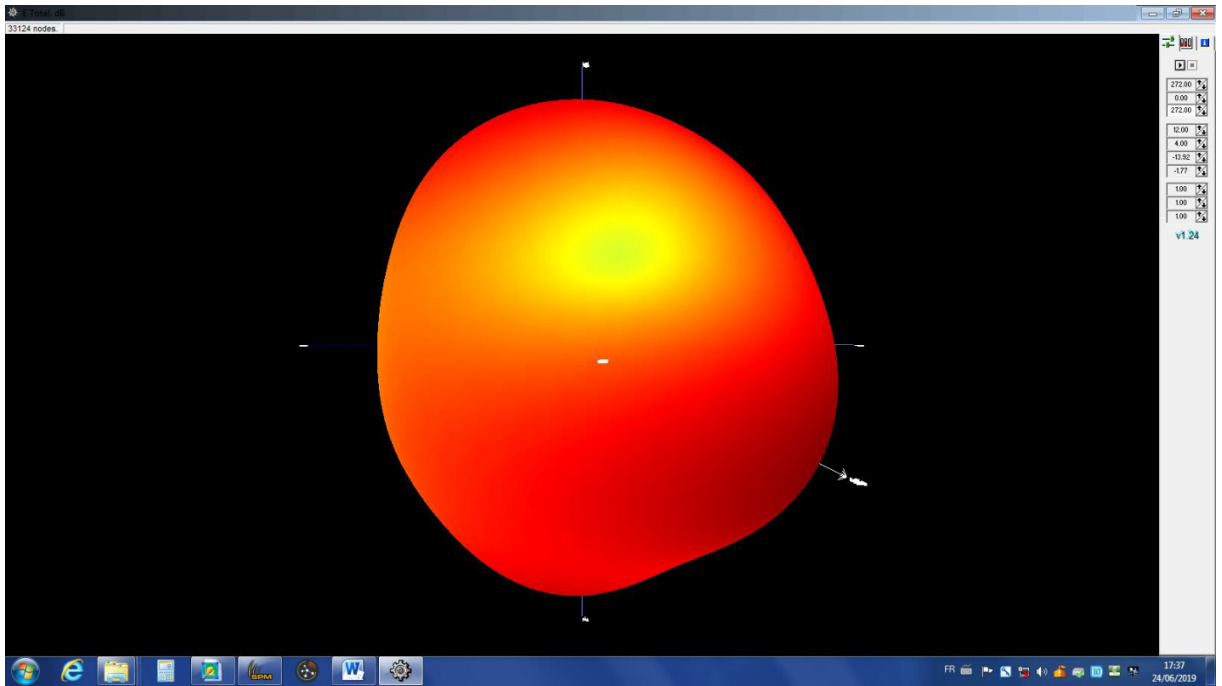
867MHz

+Z

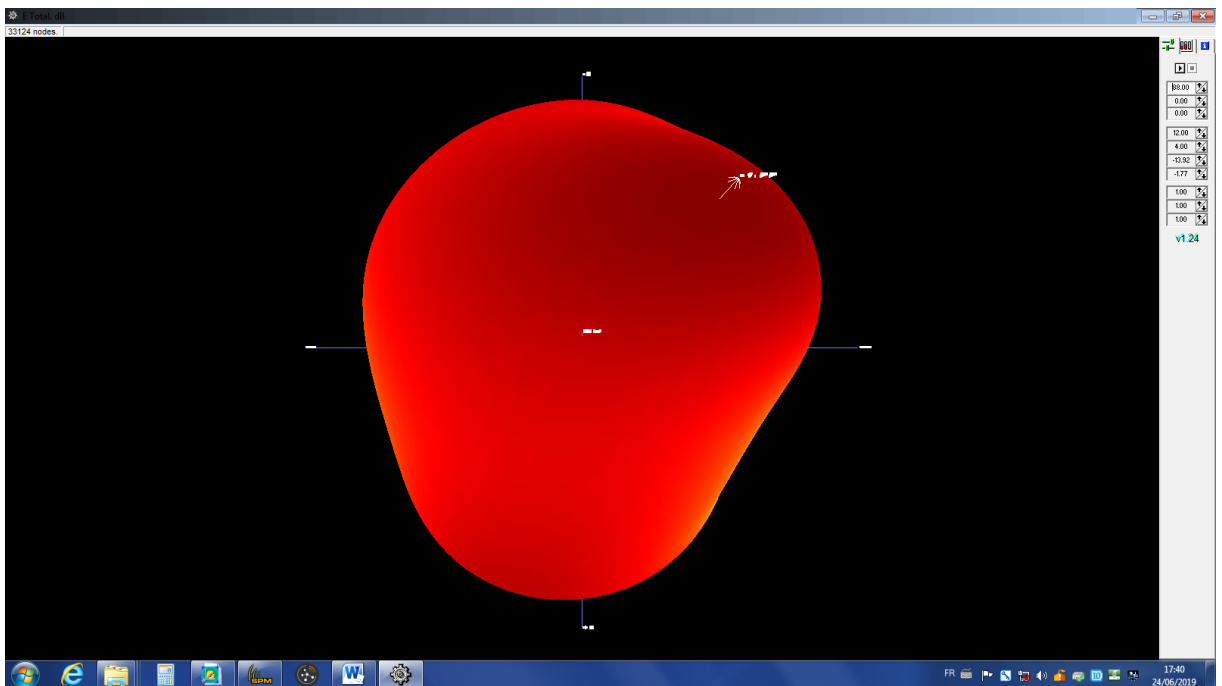




+x



+y

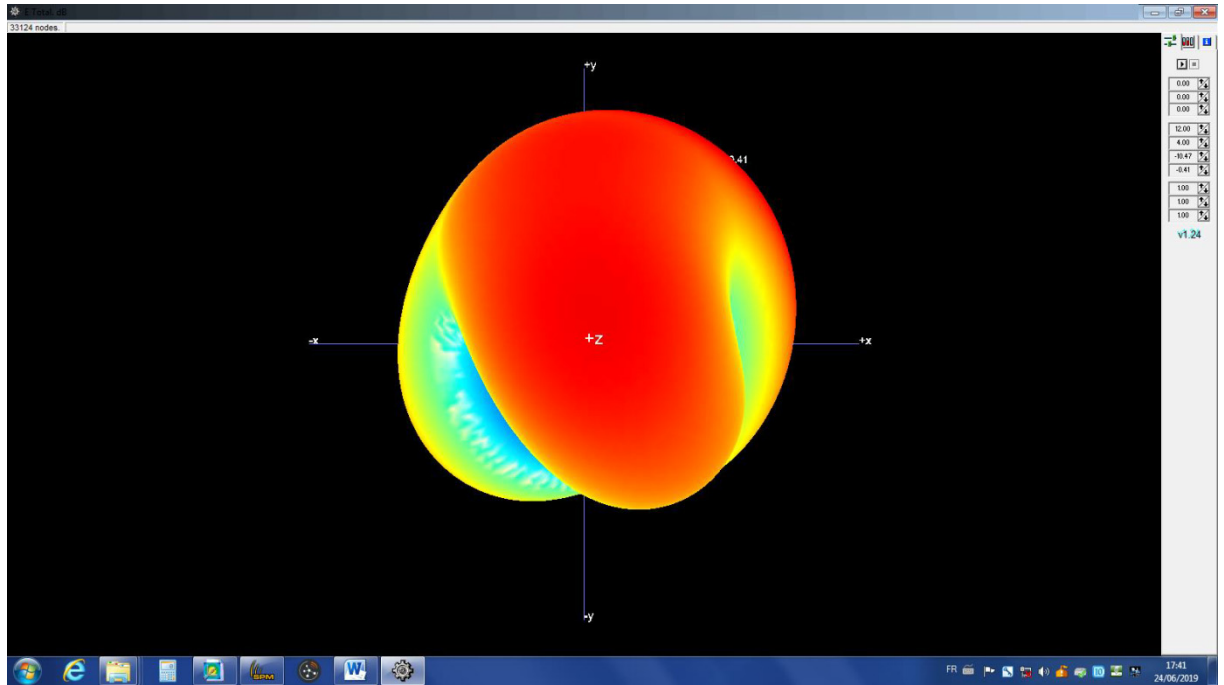




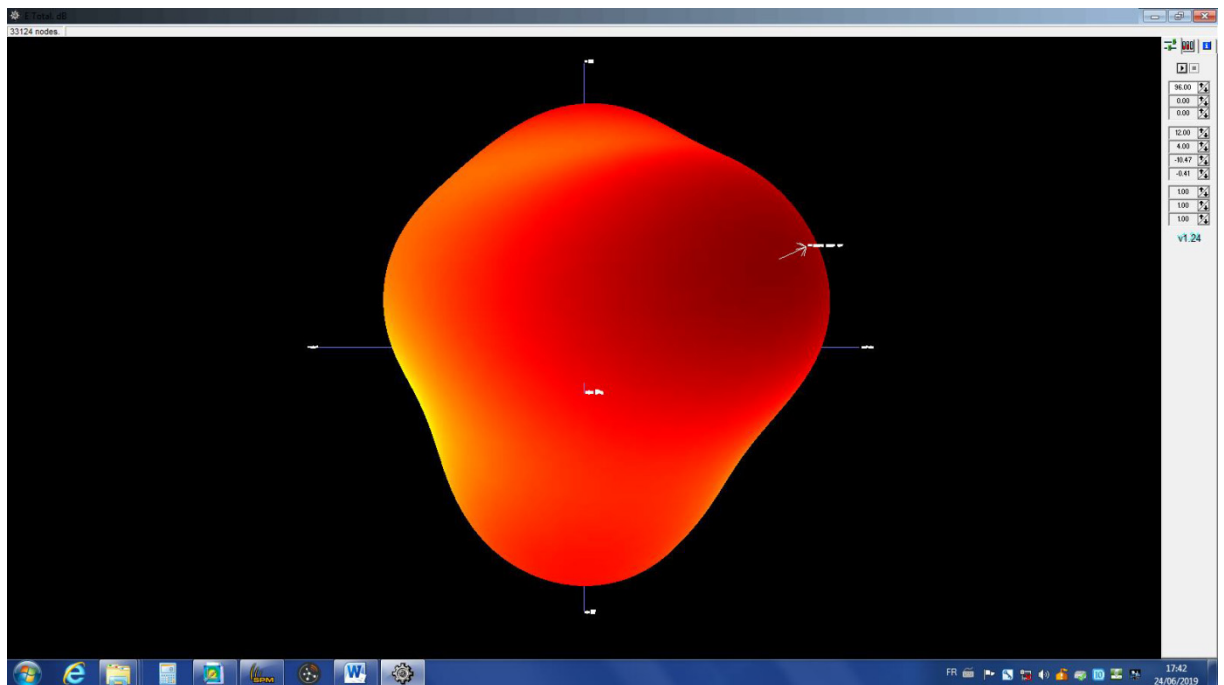
Astera LED Technology GmbH

913 MHz

+z



+y





+x

