



No. 2-1, Gongjian Rd., Qidu Dist, Keelung City, Taiwan

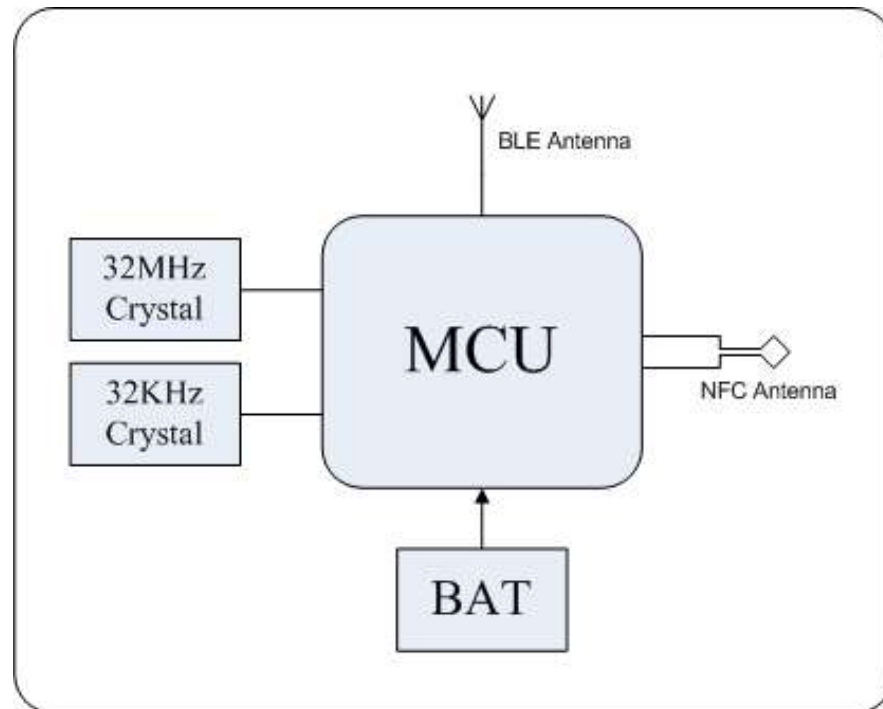
**Model: SD010,G1    Brand: SmartDisplayer**

### **Specifications**

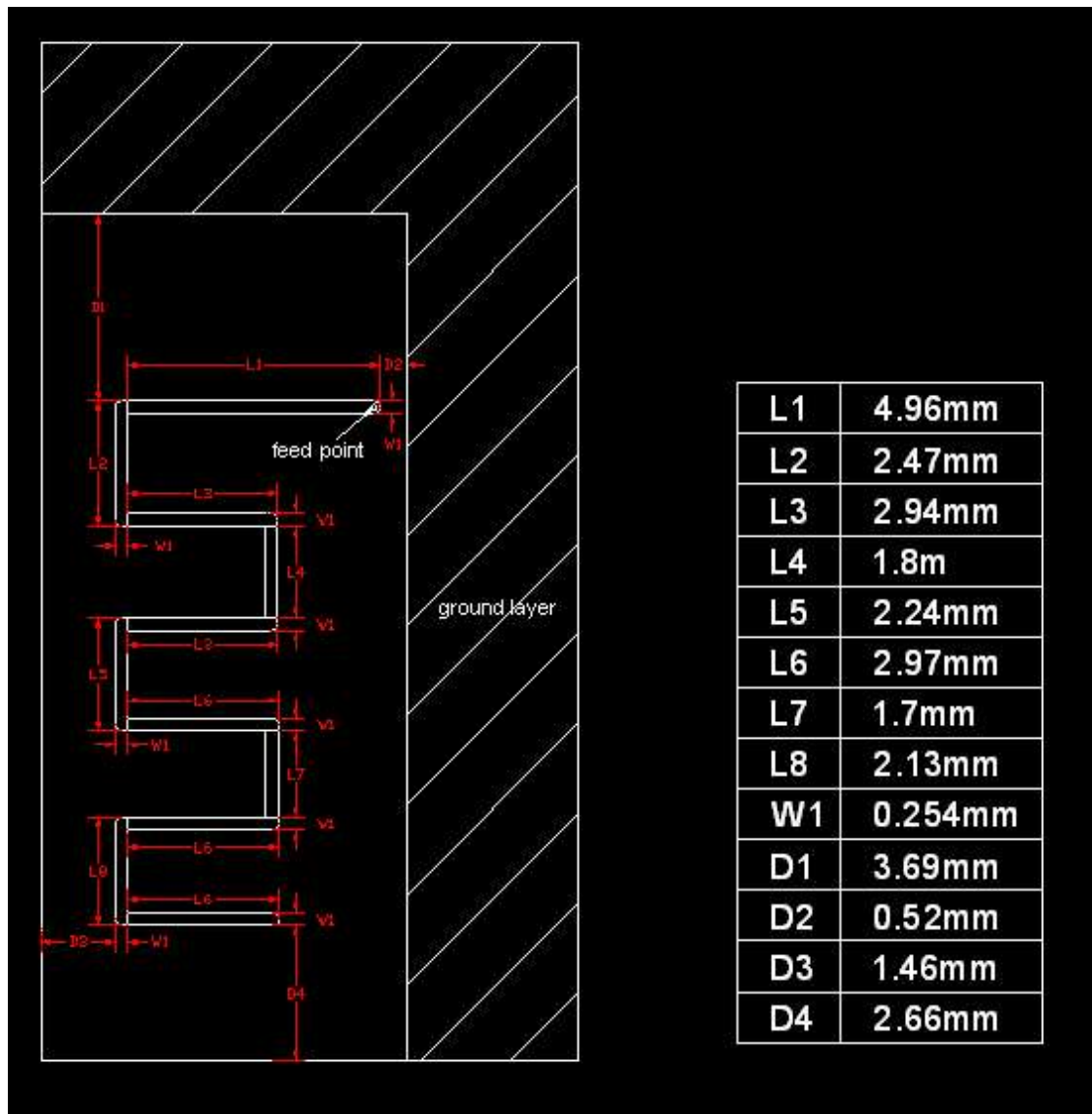
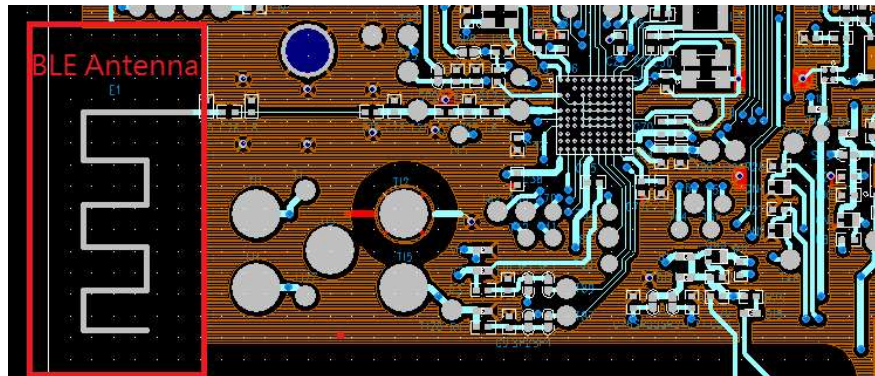
#### **Information on the equipment**

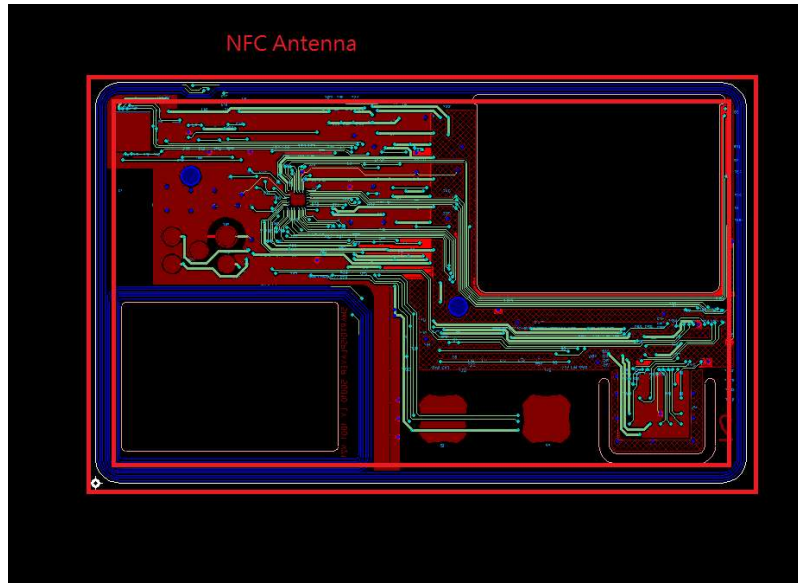
|                        |                                 |
|------------------------|---------------------------------|
| 設備名稱 Device name       | PCB Antenna                     |
| 廠牌 Brand               | SmartDisplayer                  |
| 型號 Model No.           | SmartDisplayer                  |
| 製造商 Manufacturer       | SmartDisplayer                  |
| 載波頻率 Carrier frequency | NFC-A :13.56MHZ<br>BLE :2.4GHZ  |
| 天線增益 Gain              | NFC-A : 0 dBi<br>BLE : 2.09 dBi |
| 工作電壓 Operation voltage | 3.3Vdc                          |
|                        |                                 |

BLOCK DIAGRAM



## BLE Antenna





### 6.2.3 Measured radiation pattern

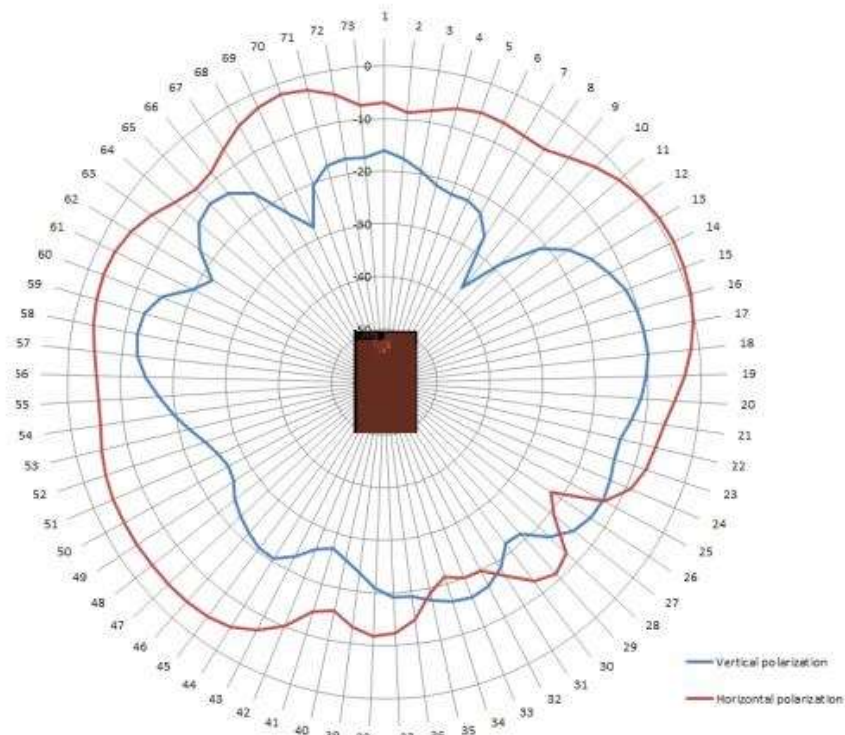


Figure 21: Radiation pattern, PCB horizontal, single layer IFA

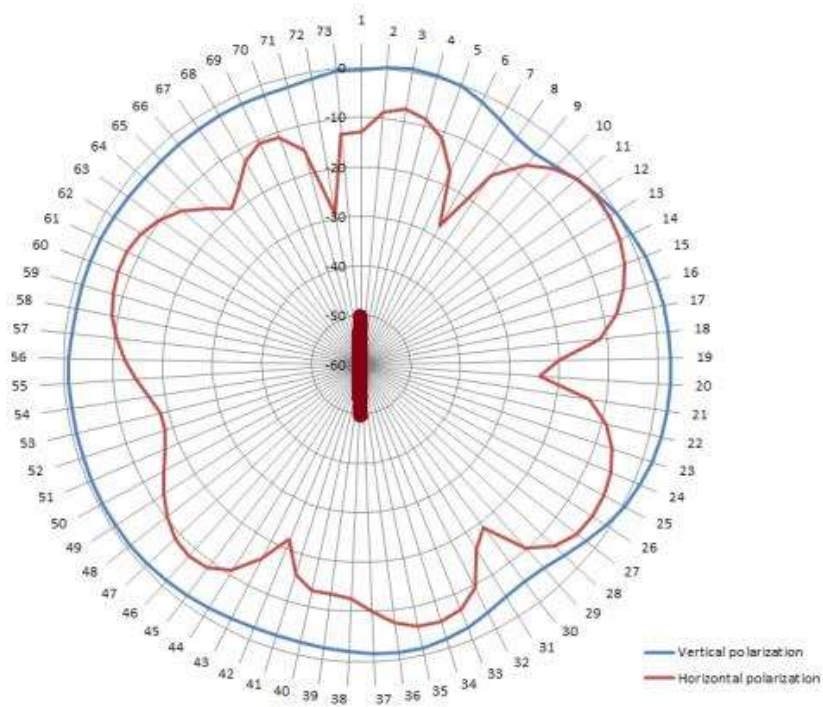


Figure 22: Radiation pattern, PCB vertical, single layer IFA