

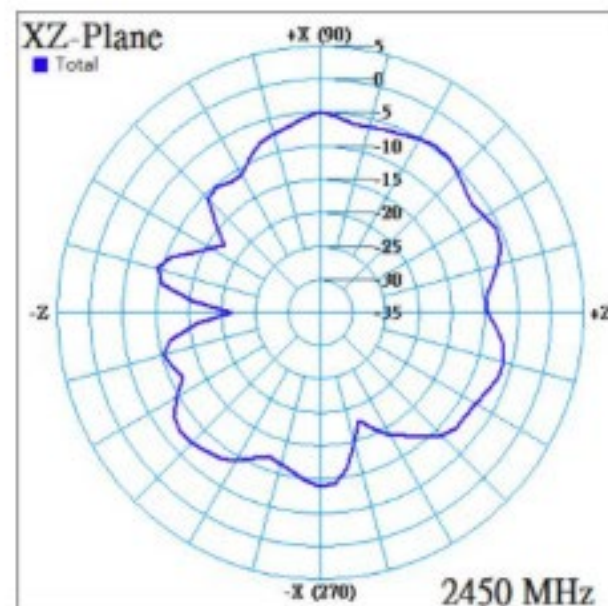
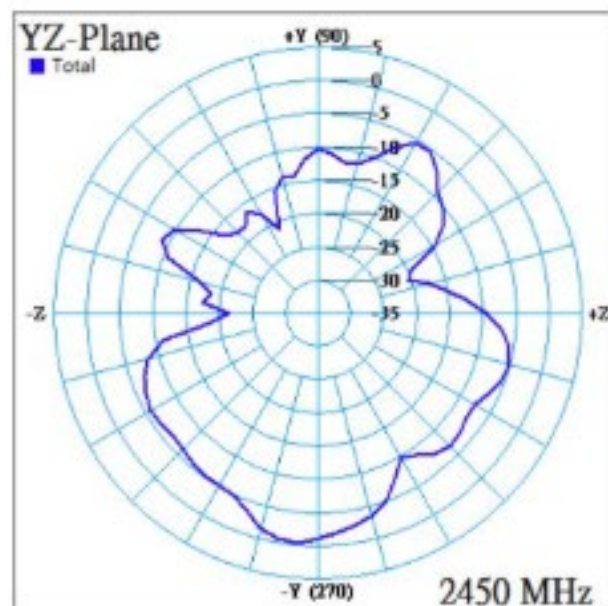
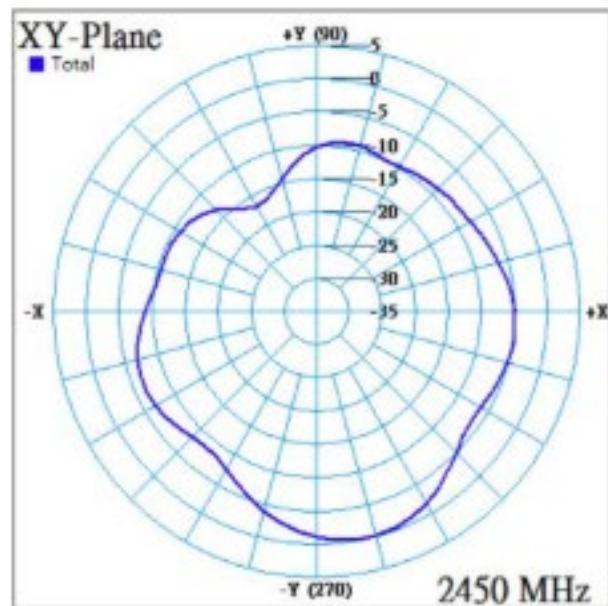
Antenna Vendor: **PSA**

BLE

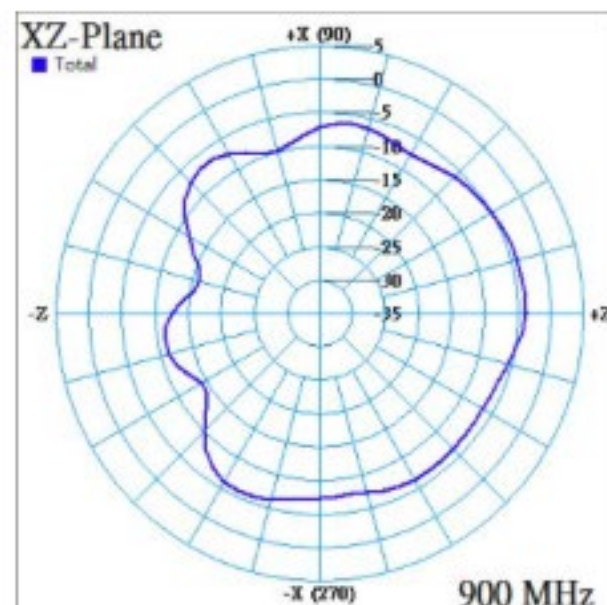
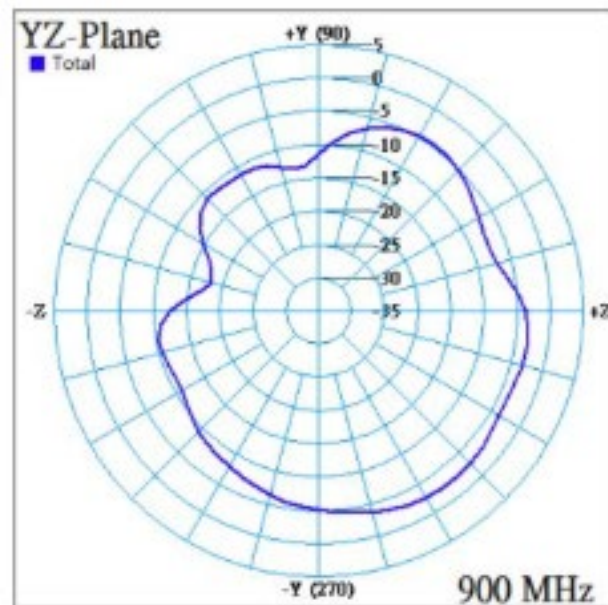
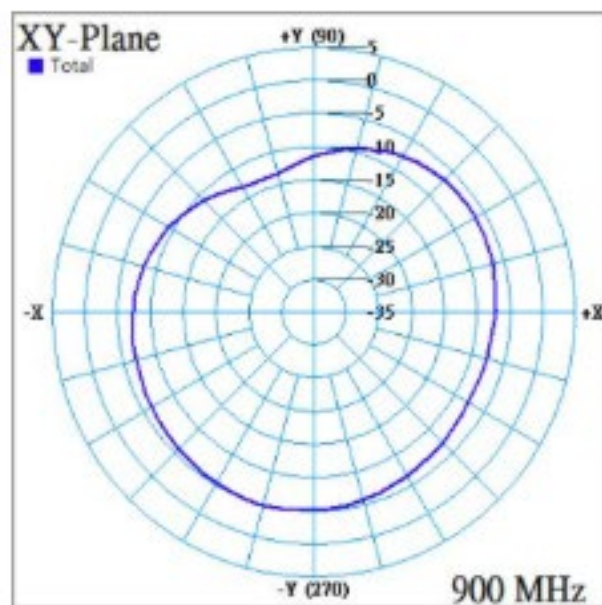
SubG

|                              | BLE                                              | Sub-GHz          | NFC              | RFID                |
|------------------------------|--------------------------------------------------|------------------|------------------|---------------------|
| antenna brand (trademark)    | PSA                                              |                  |                  |                     |
| antenna manufacturer name    | Walsin Technology                                |                  |                  |                     |
| antenna manufacturer address | No.566-1, Kao-Shi Rd., Yangmei District, Taoyuan |                  |                  |                     |
| model information            | EM5008-BLE                                       | WA-P-LORA-02-006 | NF-C-F9-R0-235-2 | NF-W-F0-R2-04-004-1 |
| gain                         | 0.3                                              | -0.45            |                  |                     |
| antenna type                 | PIFA                                             | Dipole           | FPCB             | Coil                |

## BLE



## SubG

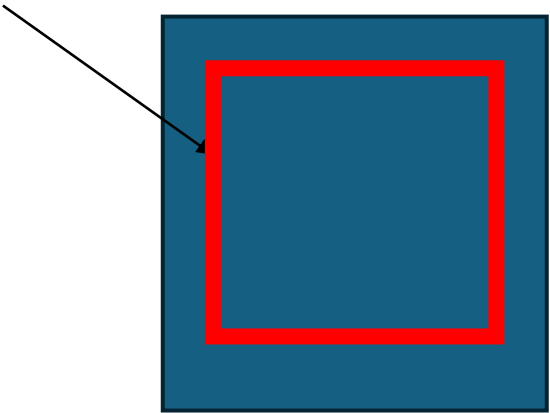


# NFC

|               |                              |                           |
|---------------|------------------------------|---------------------------|
| 廠商/Supplier : | Liteon PN : 20301-004200B000 | PSA PN : NF-C-F9-R0-235-2 |
| PSA           |                              |                           |

| Electrical Specification         |                      |
|----------------------------------|----------------------|
| Operating Center Frequency (MHz) | 13.56                |
| Operating Frequency Range (MHz)  | 12 ~15               |
| Antenna Inductance*(uH)          | 1.6±0.08 (@100kHz)   |
| Antenna Resistance*(mΩ)          | ≤660 (DC)            |
| Dimension* (mm)                  | 55x55x0.3(L x W x H) |

NFC Antenna



# RFID

|               |                              |                              |
|---------------|------------------------------|------------------------------|
| 廠商/Supplier : | Liteon PN : 20301-004190B000 | PSA PN : NF-W-F0-R2-04-004-1 |
| PSA           |                              |                              |

| Electrical Specification         |                      |
|----------------------------------|----------------------|
| Operating Center Frequency (KHz) | 125                  |
| Operating Frequency Range (KHz)  | 100~150              |
| Antenna Inductance*(uH)          | 800±40 (@125kHz)     |
| Antenna Resistance*(Ω)           | ≤12 (@125kHz)        |
| Dimension* (mm)                  | 74x74x2.3(L x W x H) |

RFID Antenna

