

FLX One is a secure and simple offline wallet for cryptocurrencies. It manages users cryptocurrencies. Its firmware can be upgraded via BLE through Smartphone apps. It stores information about user cryptocurrencies encrypted with user configurable PIN. Users can view balance of his cryptocurrencies on FLX One. Users can perform transaction (Send & Receive) on his cryptocurrencies via BLE on FLX Wallet Apps.

The FLX One operates as follows:

Frequency of operation – 2402 to 2480 MHz (operated in the ISM band of 2400 to 2483.5)

Modulation – GFSK

Power requirements - +5VDC (Battery powered or from USB Voltage)



ANTENNA GAIN AND LOSS: For IFA (Inverted F)

Gain in XY plane	4.5 dB
Gain in XZ plane	5.3 dB
Gain in YZ plane	5.3 dB
Gain in XY plane, connected to laptop	3.3 dB
LOS range	240 m
Antenna size	15.2 x 5.7 mm

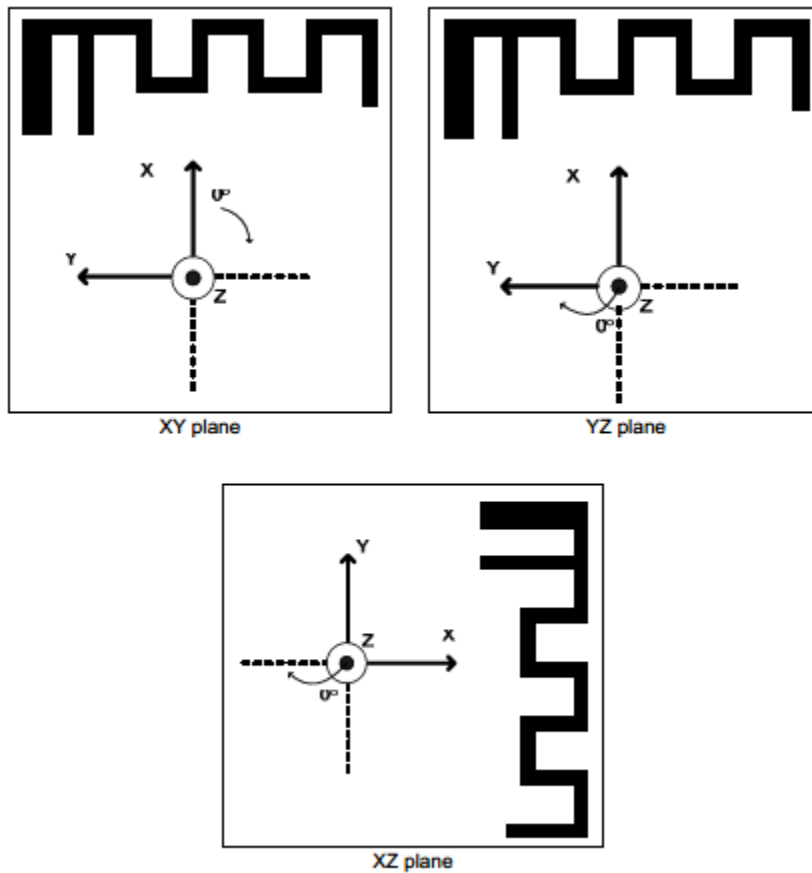


Figure 6: How to Relate the Antenna to the Radiation Patterns