

Brand: DIGI SINGAPORE PTE. LTD.

PART NAME: DIGI2.4GIFA

PART DESCRIPTION: DIGI 2.4G INVERTED F PCB ANTENNA

MANUFACTURER ADDRESS: 4 Leng Kee Rd, #05-03/04/05&11, SIS Building, Singapore 159088

Radiation Pattern

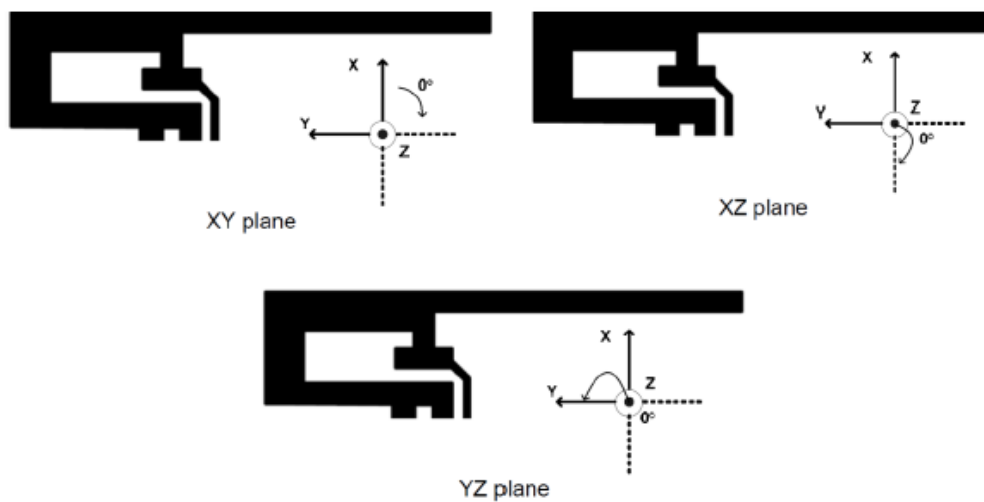
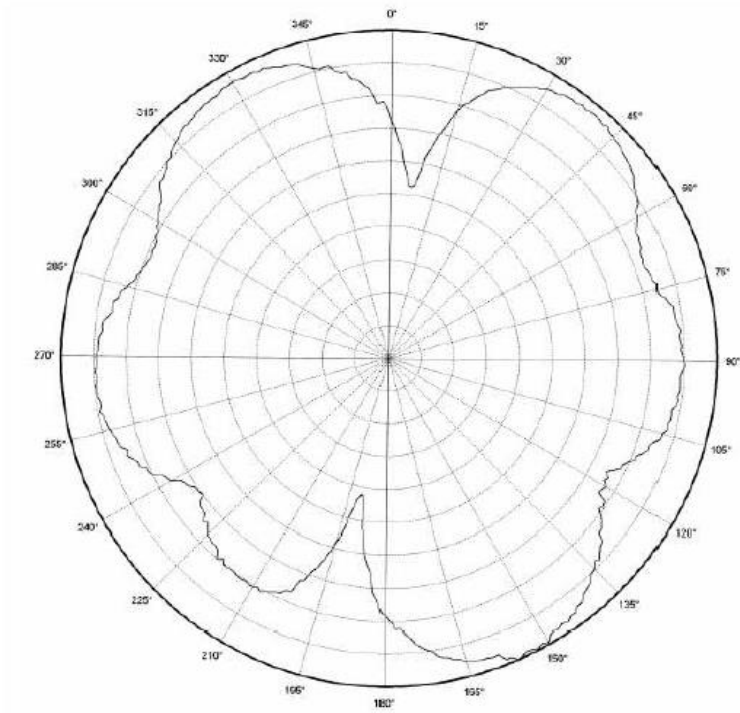


Figure 2. Relating Antenna to Radiation Patterns

Summary of IFA Properties

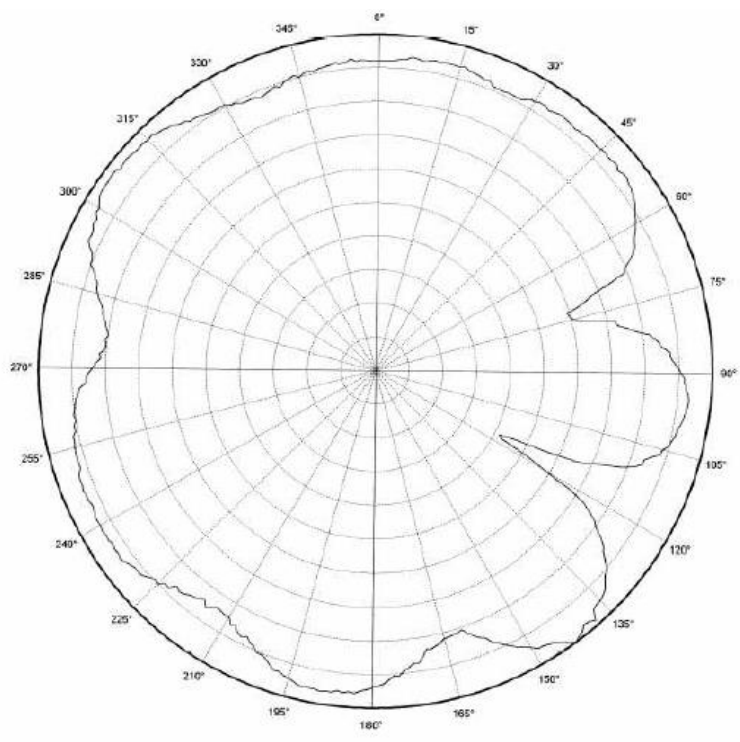
Gain in XY plane	1.1 dBi
Gain in XZ plane	3.3 dBi
Gain in YZ plane	1.6 dBi
Reflection	< -15 dB
Antenna size	25.7 × 7.5 mm



Vertical Polarization
cc2430db xy

CF 2450.000 MHz
4 dB/ div
Ref Lev: 7.10 dBm

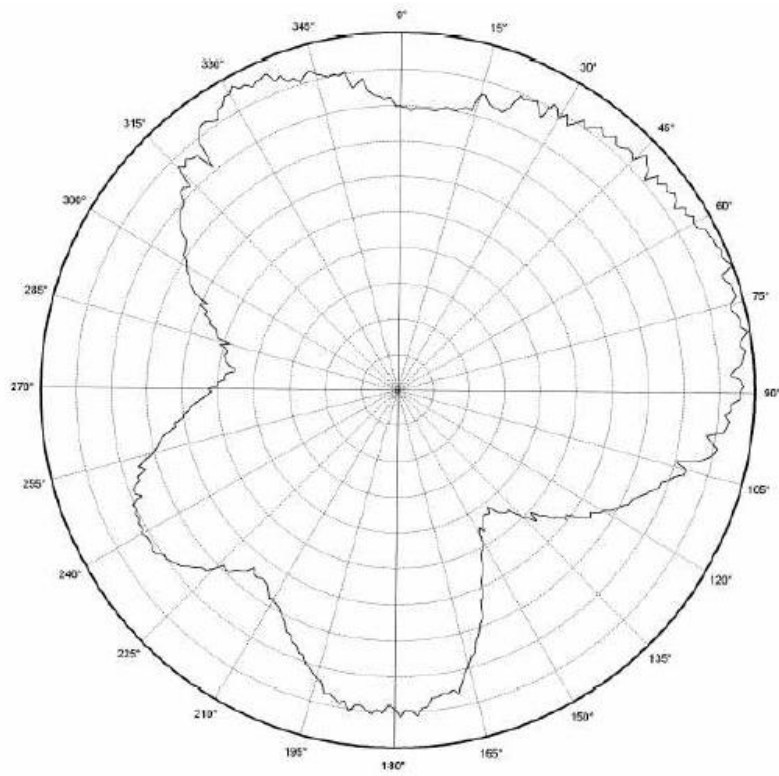
Figure 3. XY Plane–Vertical Polarization



Horizontal Polarization
cc2430db xy

CF 2450.000 MHz
4 dB/ div
Ref Lev: 7.11 dBm

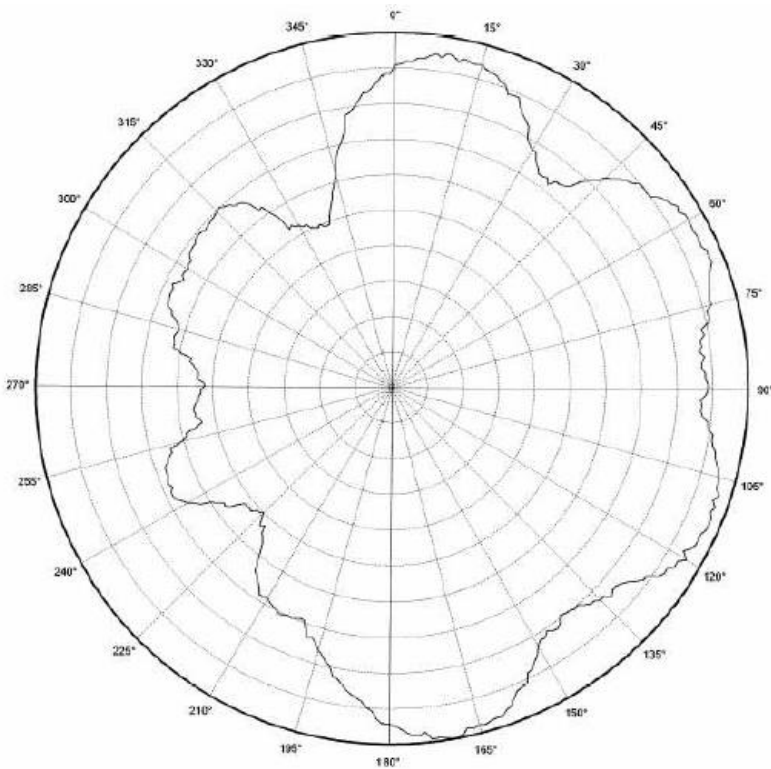
Figure 4. XY Plane–Horizontal Polarization



Vertical Polarization
cc2430db xz

CF 2450.000 MHz
2 dB/ div
Ref Lev: +33 dBm

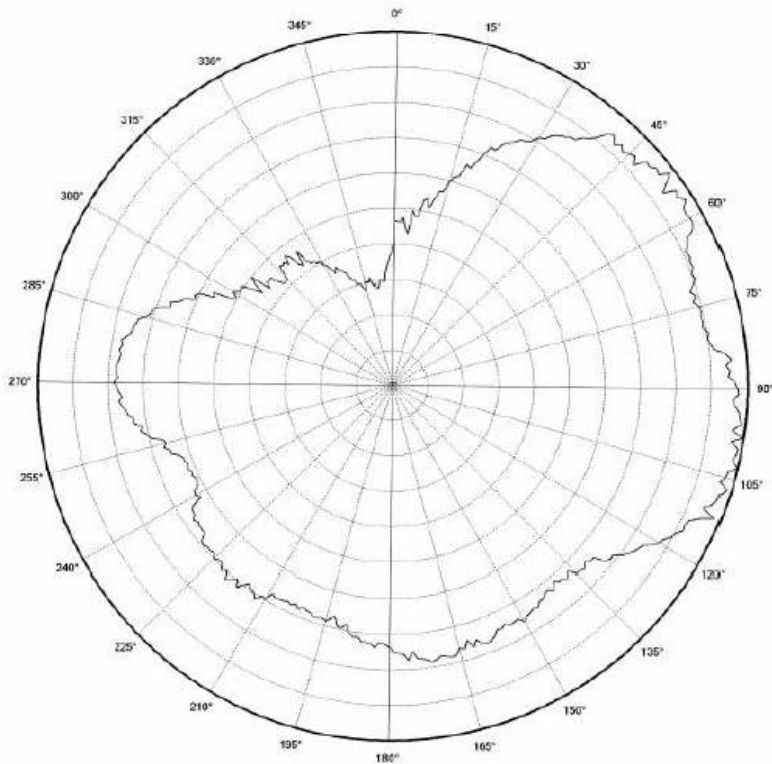
Figure 5. XZ Plane–Vertical Polarization



Horizontal Polarization
cc2430db xz

CF 2450.000 MHz
3 dB/ div
Ref Lev: -1.5 dBm

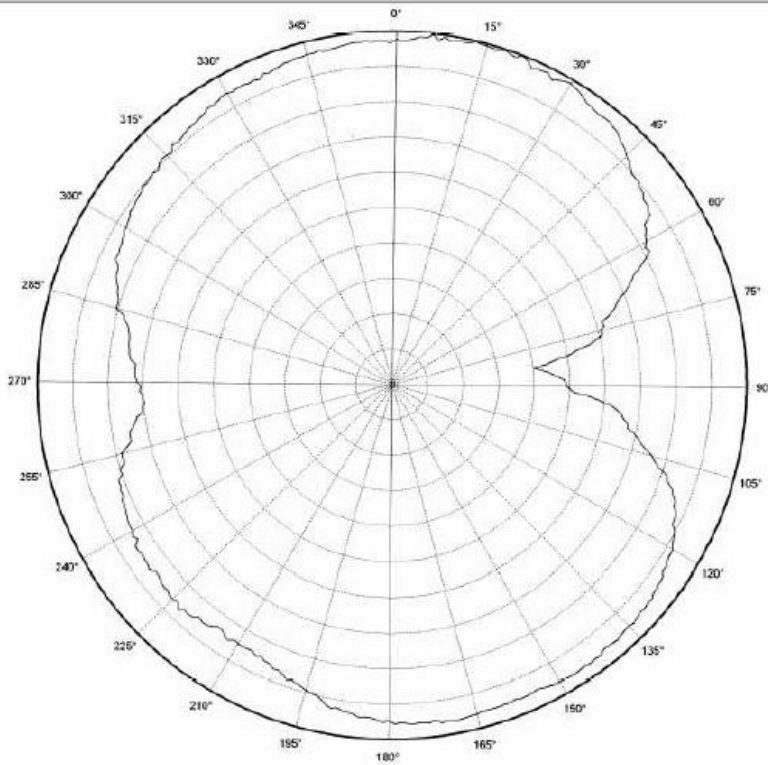
Figure 6. XZ Plane–Horizontal Polarization



Vertical Polarization
cc2430db yz

CF 2450.000 MHz
2 dB/div
Ref Lev: +16 dBm

Figure 7. YZ Plane-Vertical Polarization



Horizontal Polarization
cc2430db yz

CF 2450.000 MHz
5 dB/div
Ref Lev: +11 dBm

Figure 8. YZ Plane-Horizontal Polarization