

Antenna Manufacturer/天線製造廠商: socionext

Antenna Brand/天線廠牌: socionext

Antenna Manufacturer Address :

110417 臺北市信義區市民大道6段288號8樓之5

8F.-5, No.288, Sec. 6, Civic Blvd., Xinyi Dist., Taipei City 110, Taiwan (R.O.C.)

Chip Size: 9.0*9.0*1.172 millimeters

類型	製作方式	常用頻段	特點與限制
金屬走線式天線 (Metal Trace / Spiral / Loop)	直接在 IC 的金屬層或封裝基板上刻蝕天線圖案	24 GHz、60 GHz、77 GHz 等毫米波頻段	尺寸極小、方便整合，但增益低 (-10 ~ 0 dBi)，輻射效率有限

Model name: AIP (antenna in package)

Antenna type: AIP

Max. antenna gain: 2dBi

Antenna pattern(H & V planes):

Antenna pattern (Reference)

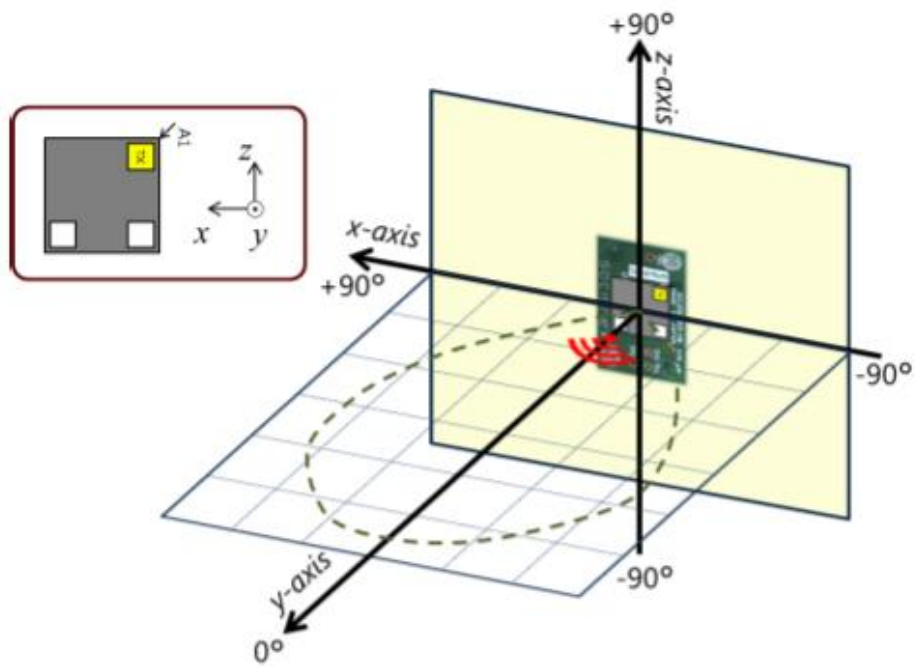


Figure A-1 xyz-axes and angle

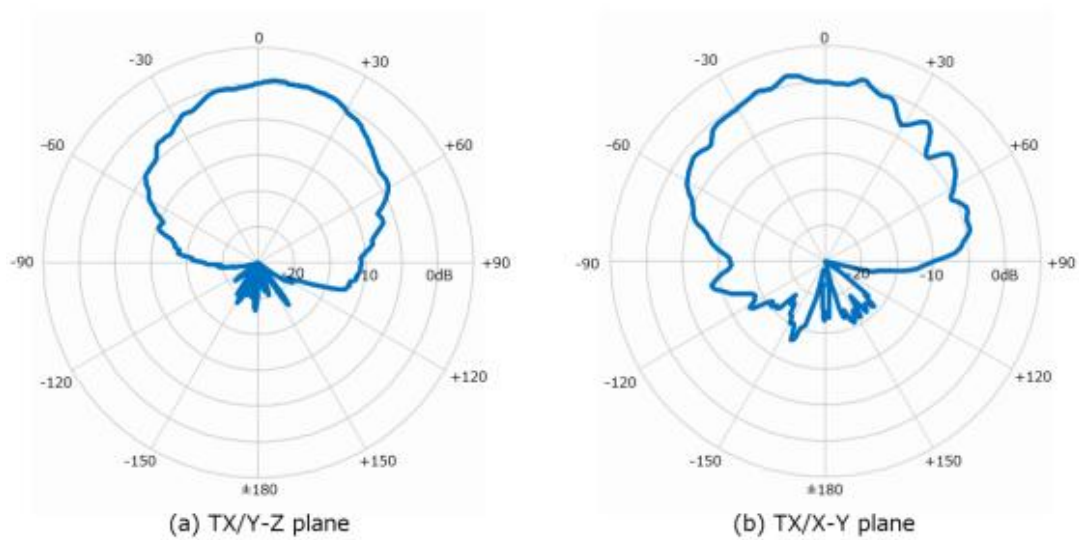


Figure A-2 Measured TX antenna pattern at 24.15GHz (Normalized 0-degree power to 0dB)

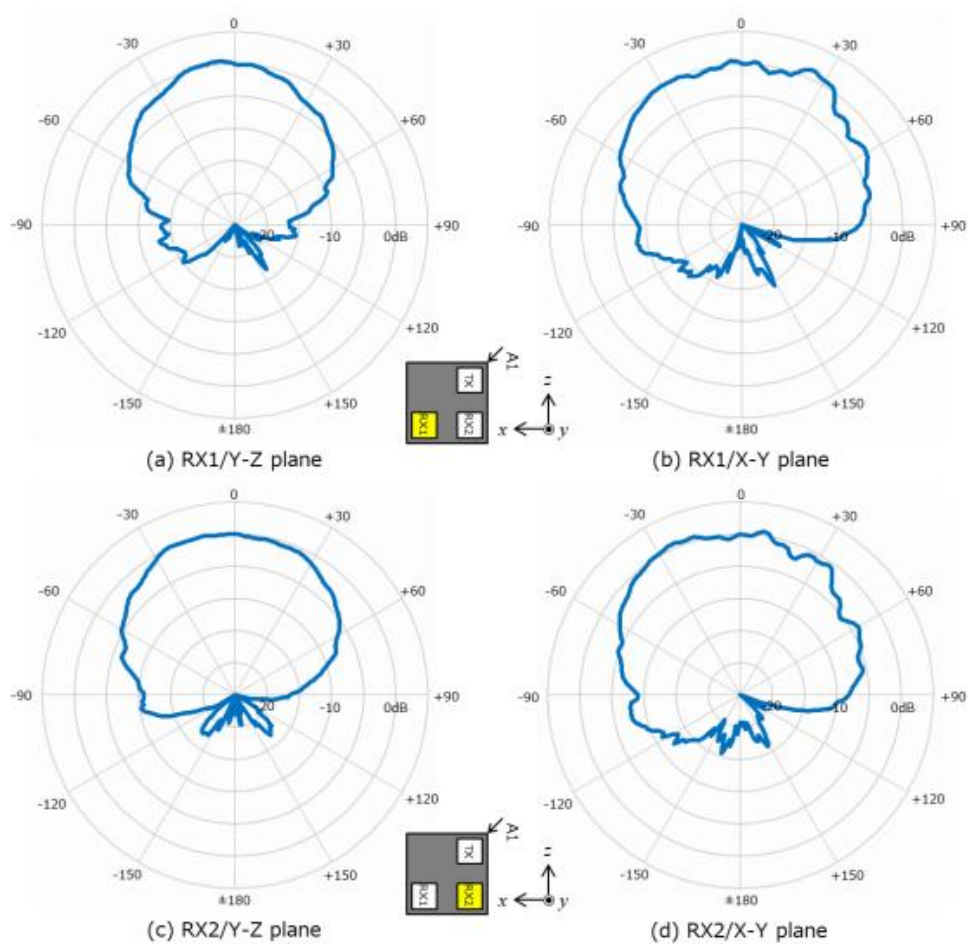


Figure A-3 Measured RX antenna pattern at 24.15GHz (Normalized 0-degree gain to 0dB)

Antenna drawing: AIP

Figure 2-3 shows an antenna configuration. This product has two receiver antennas. The center-to-center distance of receiver antennas is 5.76 mm.

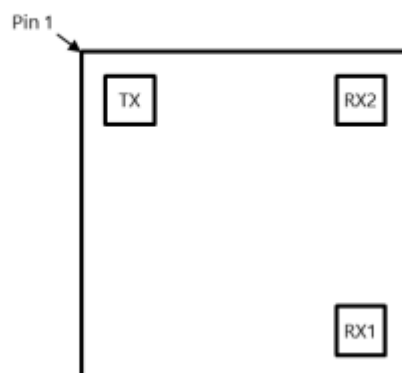


Figure 2-3 Top View Antenna configuration (Not to scale)