

VC1106 Camera Device

RFFPA321405IMLB304 Antenna Report

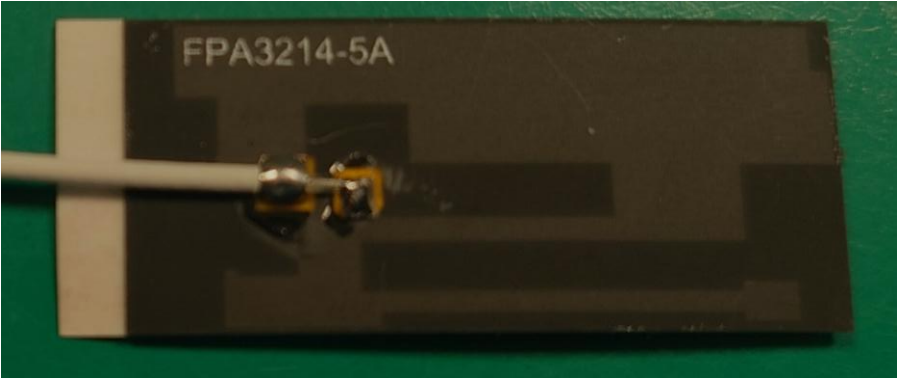
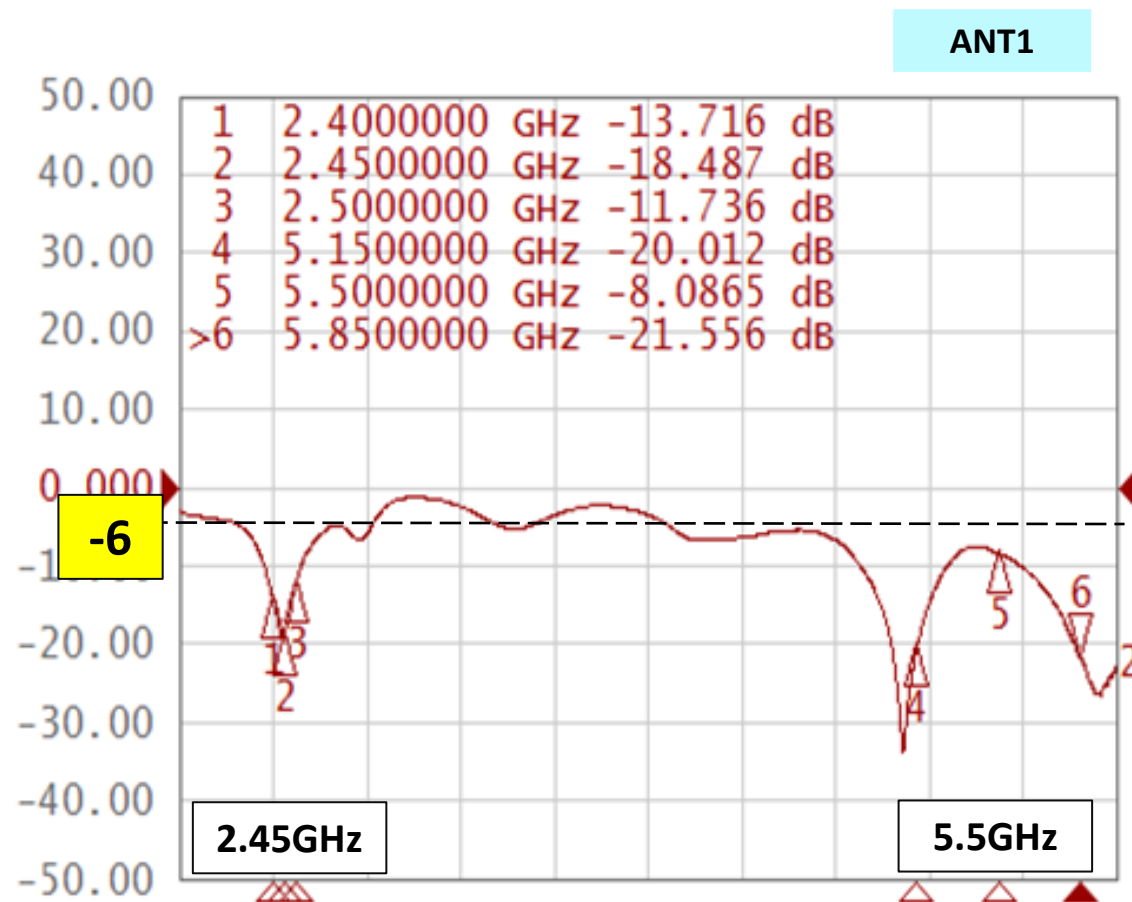
2025/08/27

Specification

Antenna	Brand Name	Model Name	Ant. Type	Connector	Support	Max Peak Gain	Antenna Gain to Cable Loss
Specification	INPAQ	ANT1 : RFFPA321405IMLB304	PIFA	IPEX	2.45G +5G+BT	ANT1: 2.4G: 2.70dBi, 5G: 2.89dBi	Include cable loss

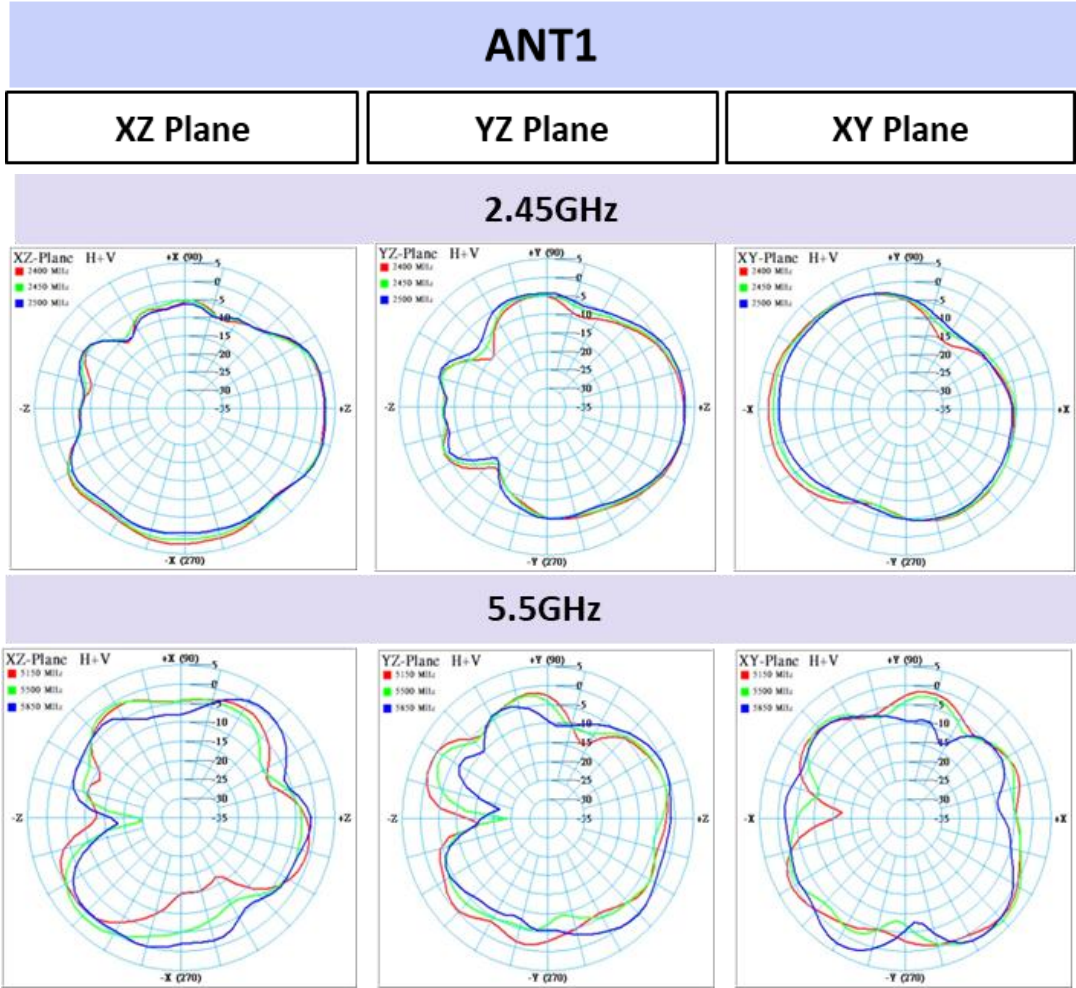
- Manufacturer: INPAQ Technology Co., Ltd.
- Type : **PIFA Antenn**
- Address : No. 566-1, Gaoshi Road, Yangmei District, Taoyuan City 326103

Antenna & Return Loss



Return Loss (dB)	
Frequency (GHz)	ANT1
2.40GHz	-13.7dB
2.45GHz	-18.4dB
2.50GHz	-11.7dB
5.15GHz	-20.0dB
5.30GHz	-12.0dB
5.50GHz	-8.0dB
5.85GHz	-21.5dB

Radiation Pattern & Efficiency



Validation	DVT validation	
Antenna	ANT	
Frequency(MHz)	Efficiency (%)	Peak Gain (dBi)
2400	57%	2.70dBi
2450	54%	2.69dBi
2500	50%	2.29dBi
5150	60%	2.38dBi
5300	56%	2.62dBi
5500	51%	2.84dBi
5800	54%	2.66dBi
5850	56%	2.89dBi