

ADT / ADTPLUSYS-RO Antenna Test Report

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Antenna Design Department



Outline

- Antenna Information
- Antenna Structure & Placement
- Return Loss & Peak Gain & Efficiency
- Radiation Pattern



Outline

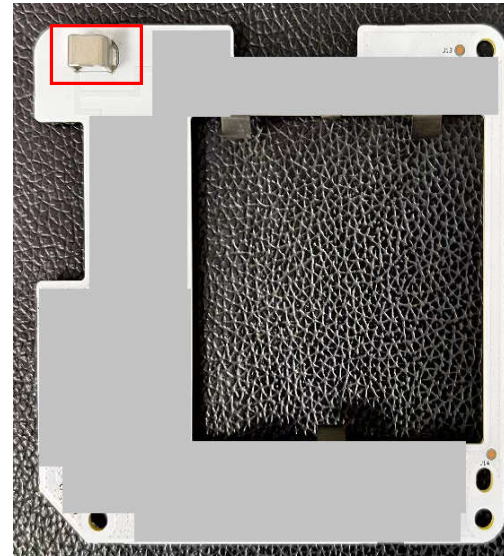
Antenna Infomation

Item	Description
Model number	ADTPLUSYS-RO_Antenna
Application	DECT
Antenna Type	PIFA
Manufacturer	SerComm Corporation
Address	8F, No. 3-1, YuanQu St. Taipei, Taiwan 115 R.O.C.
Operating Band	1920 ~ 1930 MHz
Return Loss (dB)	Used for device > 10dB
Efficiency (%)	> 60%
Cable Type	NA
Connector	NA

Antenna Structure & Placement

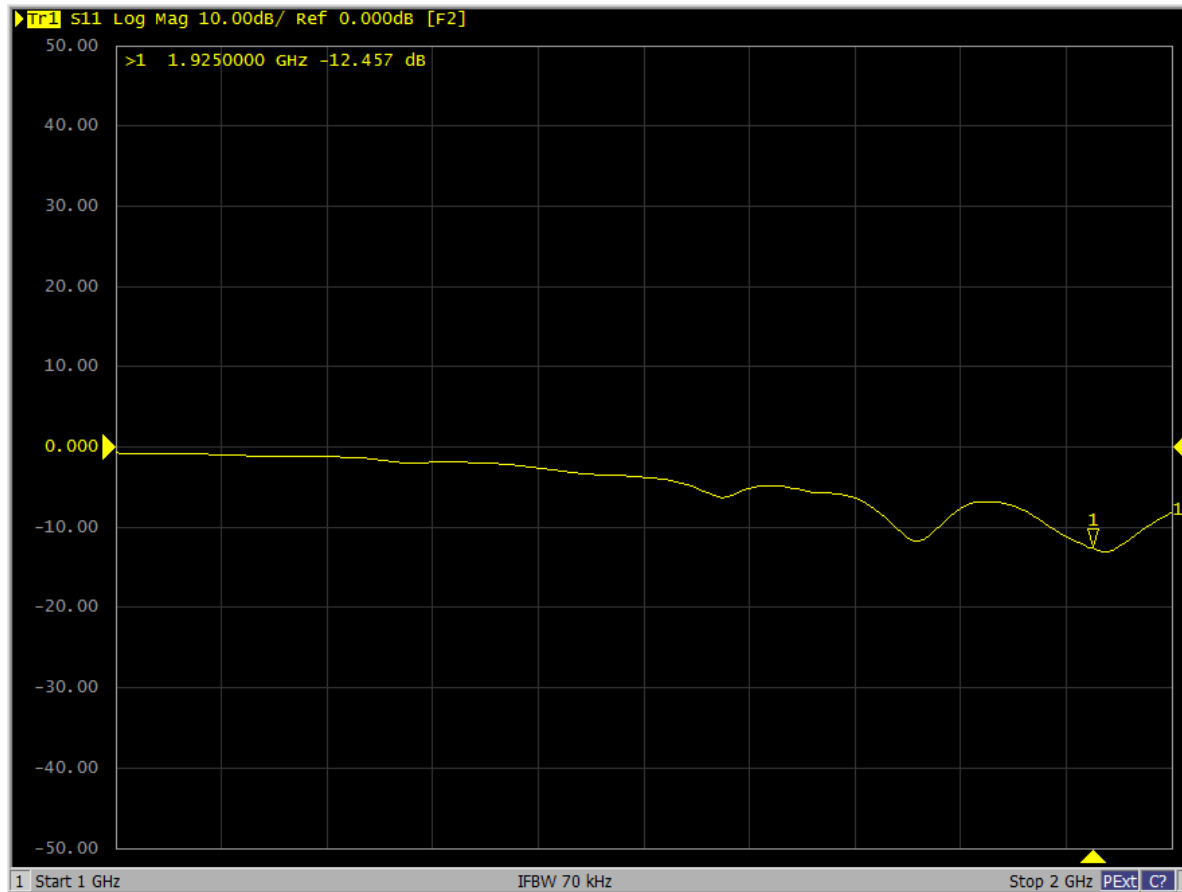


DECT Ant



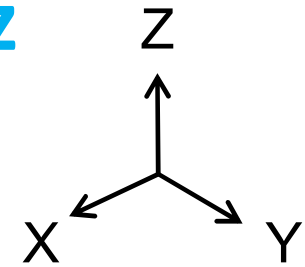
Ant	Function	Operating Band	Type	Material	Feeding	Dimension
DECT Ant	DECT	1900MHz	PIFA	Metal	Trace	7(L) x 5(W) x 9(H) mm ³

Return Loss & Peak Gain & Efficiency



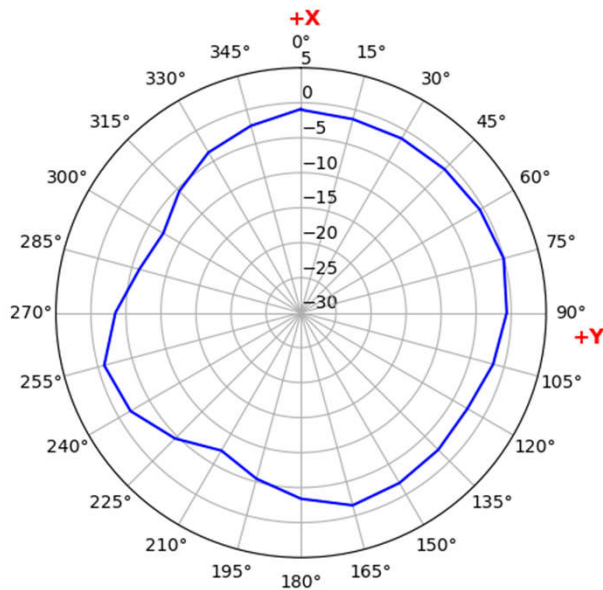
Frequency (MHz)	DECT Antenna	
	Efficiency (%)	Peak Gain (dBi)
1920	67.5	3.67
1925	67.8	3.75
1930	66.4	3.62

2D Radiation Pattern - DECT @1925MHz



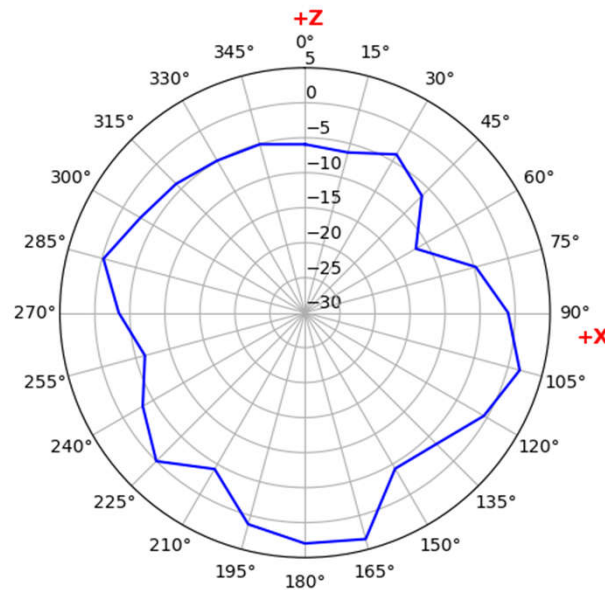
25.05.16.17.46.21 1_XY plane - Azir

— 1925MHz



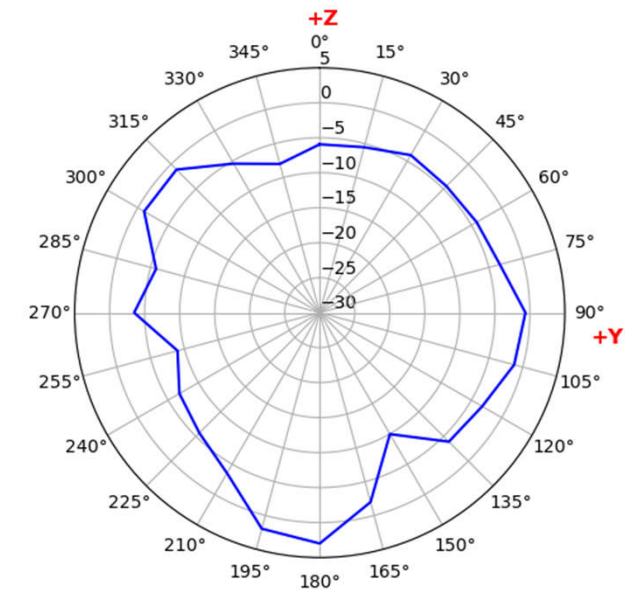
.05.16.17.46.21 1_XZ plane - Side to

— 1925MHz

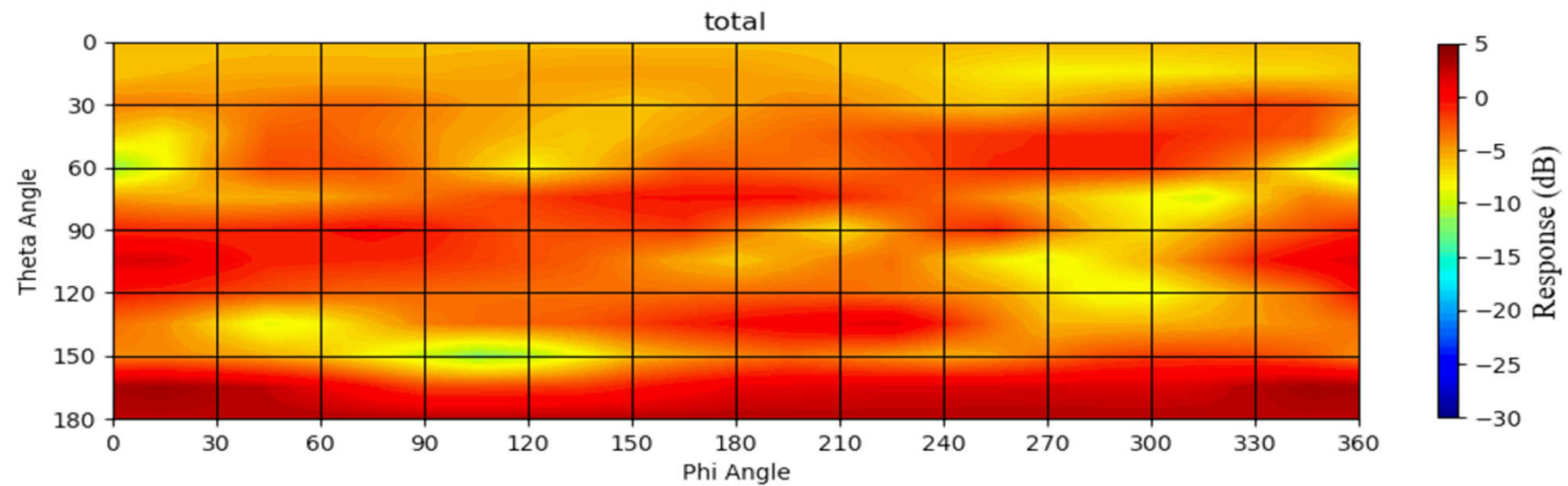
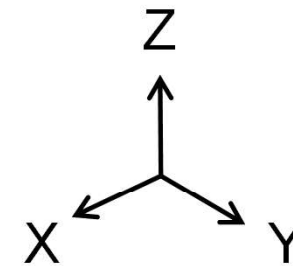
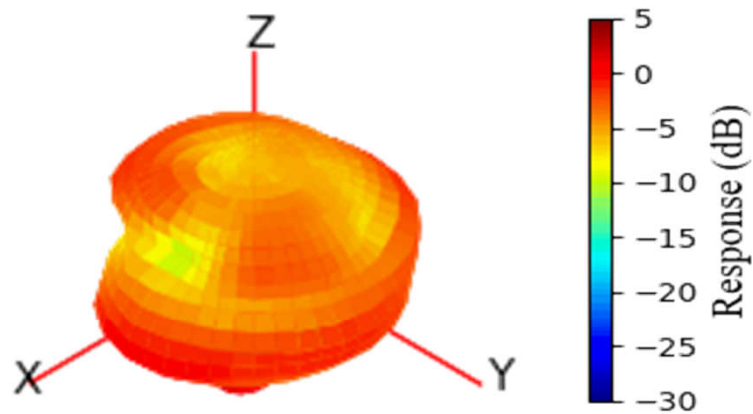


.05.16.17.46.21 1_YZ plane - Front to

— 1925MHz



3D Radiation Pattern - DECT @1925MHz



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