Antenna Specification for RX1250T

FCC-ID: RFD-RX-T

Antenna for PANMOD Bluetooth Module

FCC-ID: RFD-PANMOD1

2.45 GHz Chip Antenna

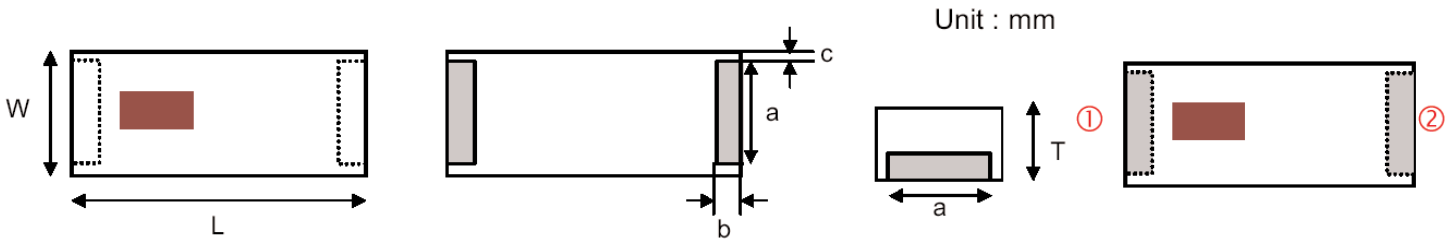
P/N 2450AT45A100

Part Number	Frequency (MHz)	Peak Gain (XZ-V)	Ave. Gain (XZ-V)	Return Loss
2450AT45A100_	2400 - 2500	3.0 dBi typ.	1.0 dBi typ.	9.5 dB min.

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 Ω	-40 to +85°C	1000

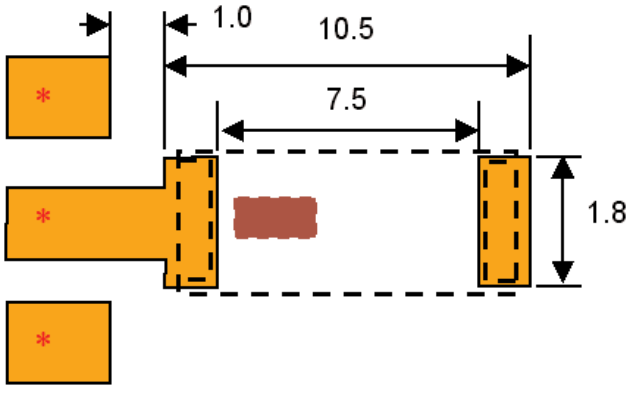
Mechanical Dimensions

	L	W	T	a	b	c	Terminal	Configuration
Inches	0.374 ± .008	0.079 ± .008	0.047 + .004/ -.008	0.053 ± .008	0.043 ± .004	0.010 ± .004	1	INPUT
mm	9.5 ± 0.2	2.0 ± 0.2	1.2 + 0.1/- 0.2	1.35 ± 0.2	1.1 ± 0.1	0.25 ± 0.1	2	NC

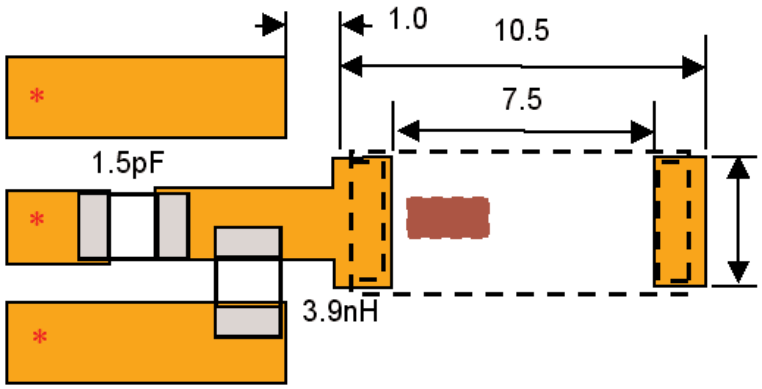


Mounting Considerations

Mount these devices with brown colored side facing up. Line width should be designed to provide 50Ω impedance matching characteristics.



a) Without Matching Circuit (moderate bandwidth)

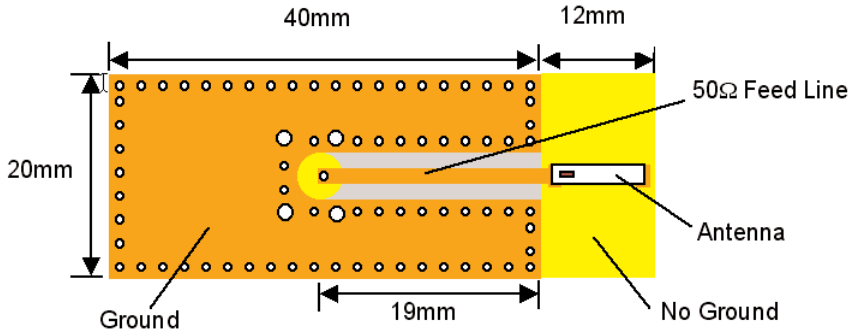


b) With Matching Circuit* (wide bandwidth)
*Matching circuit and component values will depend on PCB layout.

2.45 GHz Chip Antenna

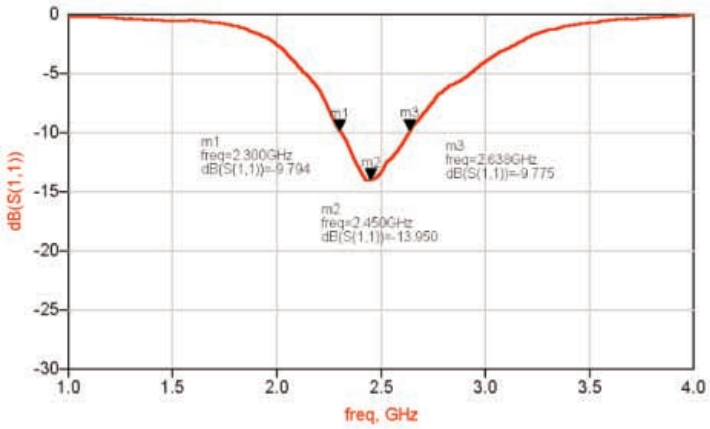
P/N 2450AT45A100

Test Board for Electrical Characteristic Measurements

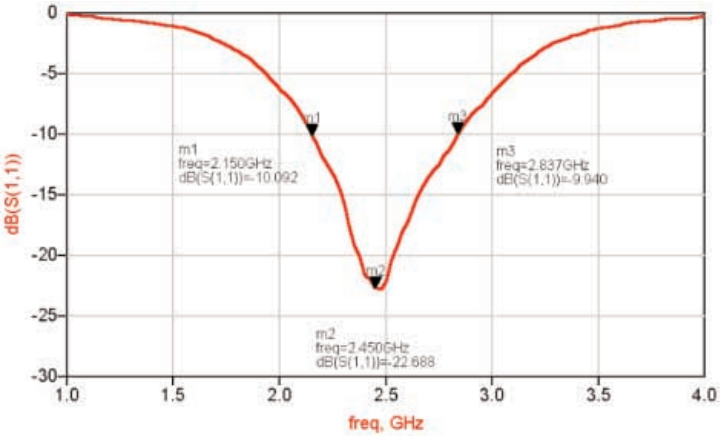


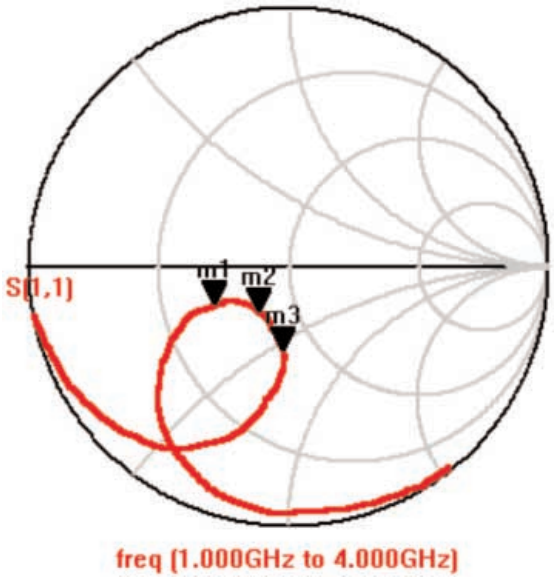
Typical Return Loss for P/N 2450AT45A100

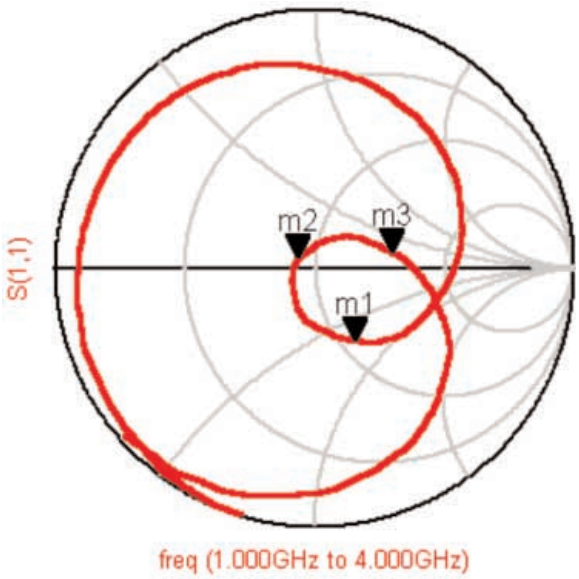
a) Without Matching Circuit



b) With Matching Circuit





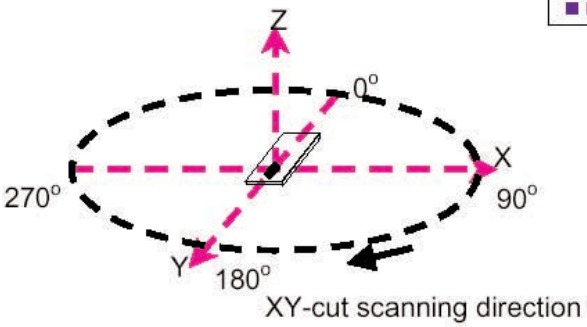


2.45 GHz Chip Antenna

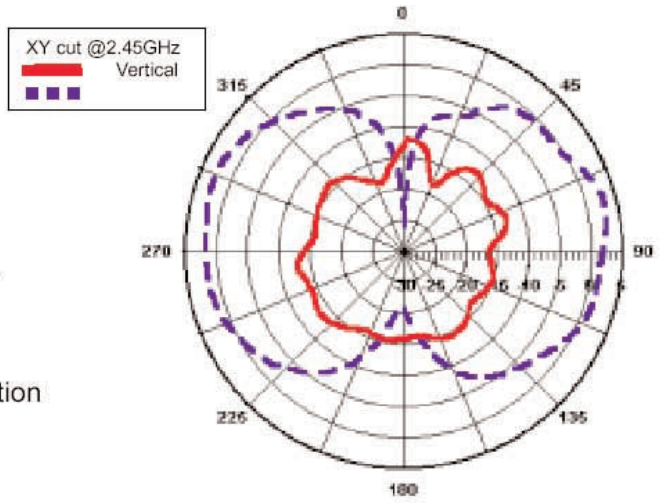
P/N 2450AT45A100

Typical Radiation Patterns for P/N 2450AT45A100

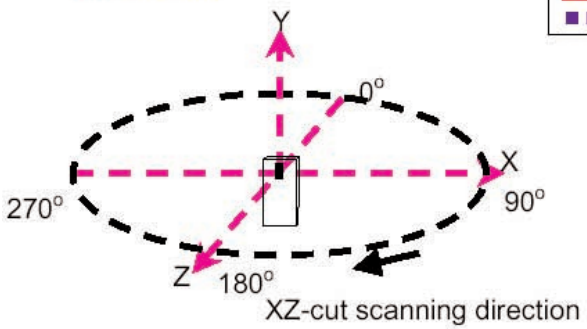
XY-V/XY-H



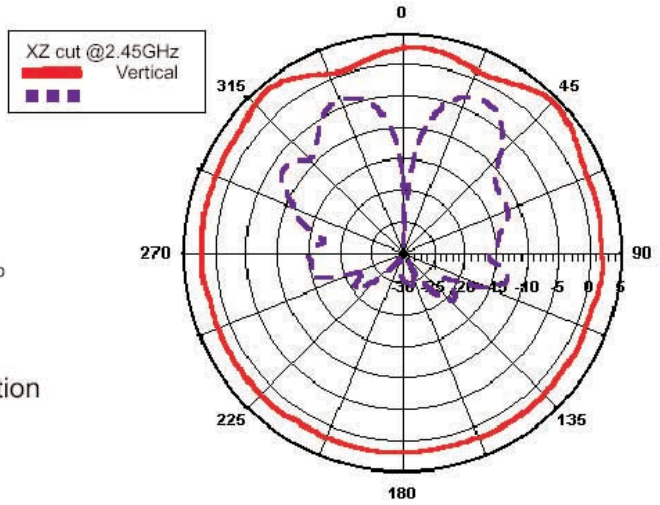
XY-cut scanning direction



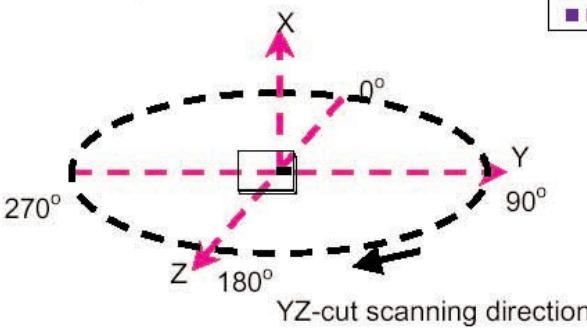
XZ-V/XZ-H



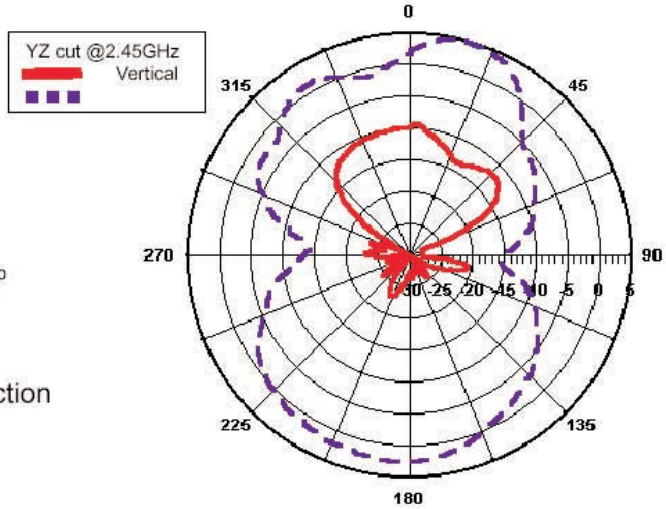
XZ-cut scanning direction



YZ-V/YZ-H



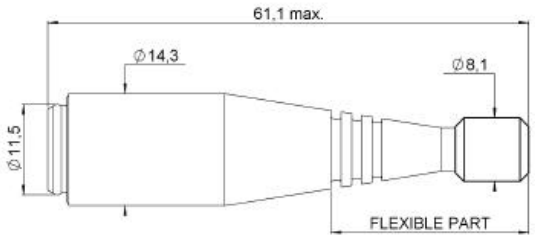
YZ-cut scanning direction

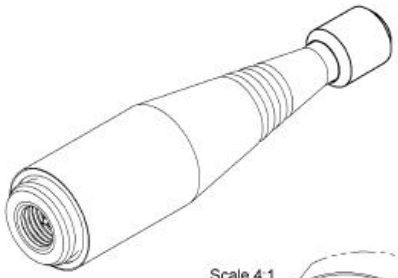


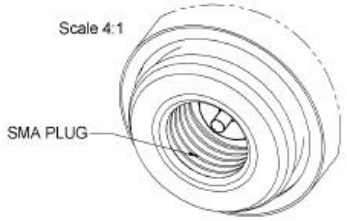
Antenna for Cirronet WIT2410 Module

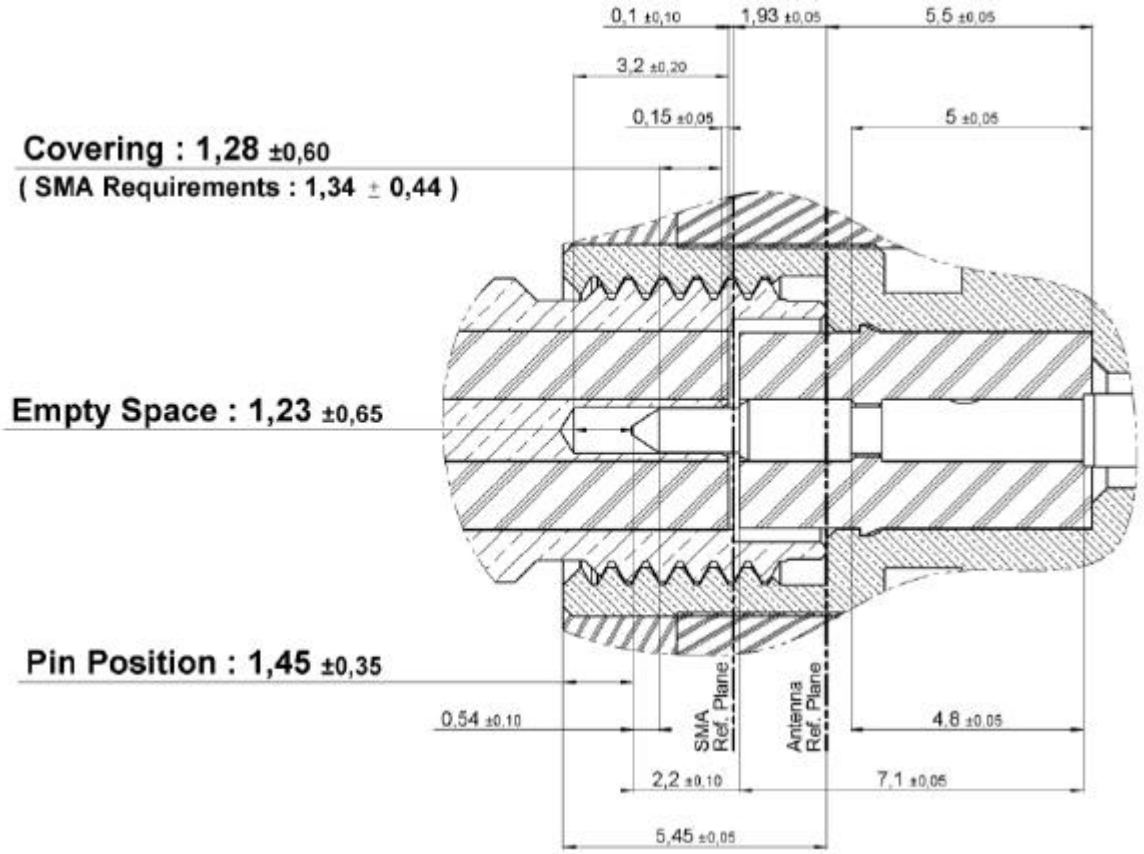
FCC-ID: HSW-2410G

1. Dimensions, description









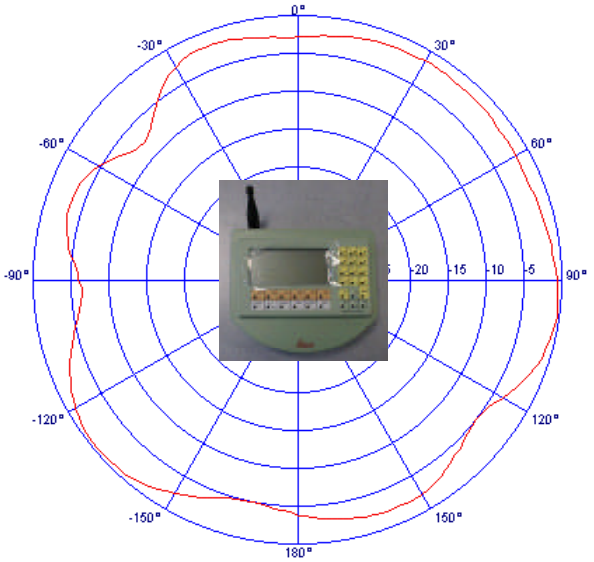
Valid as from: 18.06.02		Valid until: 01.01.3000						
	Date:	Tel./Init.:	Revision:		Revision:		Name: Antenna	
Drawn:	26.04.02	3563/SHP					Trade Name:	
Released:	18.06.02	3563/SHP					Op.Nr.:	Sheet: 1 of 6

Leica Geosystems		Dept. 135	A 4	DOC-CODE **FKZ**	EDP-/MAT.-/PROJ N. **731642**	INDEX **-----**

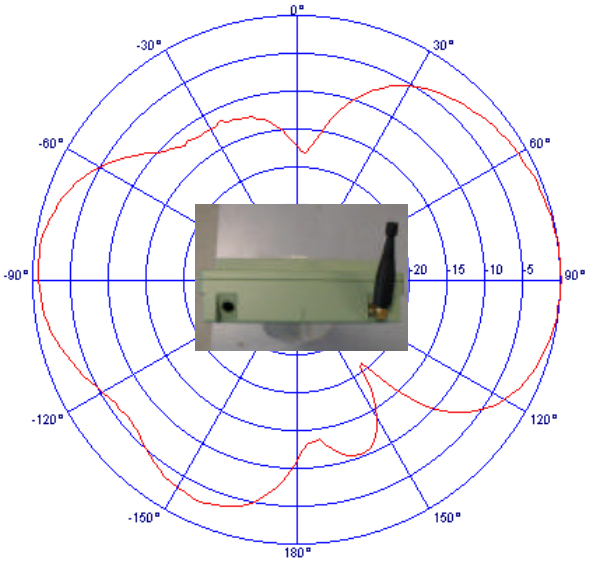
Nr. 1.E 471005 Nr. 2.E 632054

2. Manufacturer's specifications:

Radiation Pattern in the Omi-directionnal cut Plane F = 2.45 GHz



Radiation Pattern in the Dipolar cut Plane F = 2.45 GHz



Electrical:

Antenna Type	Straight dipole antenna for portable equipment
Frequency	To be specified within 2400-2485MHz
Impedance	Nom. 50Ω
Polarization	Vertical
Gain	2 dBi
VSWR	2 max.
Max. Power	1 Watt

Mechanical:

Material (Top)	HYTREL G3548 L black, UV resistant
Weight	Approx. 12 g
Connector	SMA-male gold plated