



Specification

P/N: TJMCDA-UHF-087-B

**915MHz Antenna 1.37 * 120mm for
IPEX MHF1 Connector**

Technical Specifications

Electrical

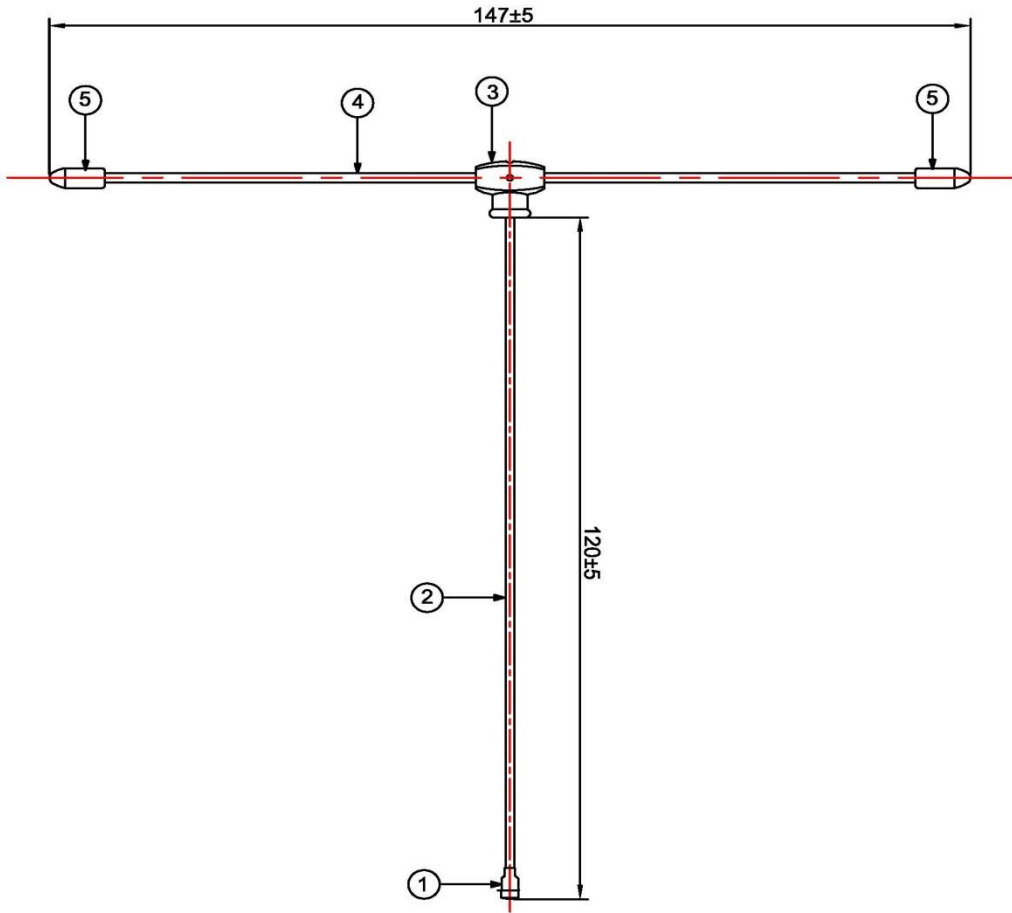
Frequency (MHz)	Efficiency(%)	Gain(dBi)	Test frequency	V.S.W.R	Polarization:	Impedance:
900 ~ 930MHz	82.39	3.59	915MHz	<2.0	Linear	50 Ω

Mechanical

Connector:	IPEX MHF1
Antenna length:	120mm
Antenna Diameter:	147mm
Casing:	PVC
Cable Type	1.37
Operation Temperature:	-20°C ~ + 80°C
Storage Temperature:	-20°C ~ + 80°C

Mechanical Drawing

Rev	Zone	Description	ENG	Approved	Date



NO	Name	Material	Finish	QTY
1	IPEX MHF1	Brass	Au Plated	1
2	1.37 Coaxial Cable	FEP	Black	1
3	T-type sleeve	PVC	Black	1
4	Antenna rod	FEP	Black	1
5	Cap	PVC	Black	2

UNLESS OTHERWISE SPECIFIED
 TOLERANCES ON:
 x ±0.1
 xx ±0.05
 x.xx ±0.02
 ANG ±0.5°

THIRD ANGLE PROJECTION

DRAWN BY: Danny
 DESIGN BY:
 CHECKED BY:
 APPROVED BY:

MATERIAL:
 FINISH:
 SCALE: UNIT:mm
 DATE: 2024/12/26

TITLE: TJMCDA-UHF-08-B
 PART No: 915MHz Antenna 1.37 *120mm for IPEX MHF1 Connector

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO JOYMAX AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REV: A

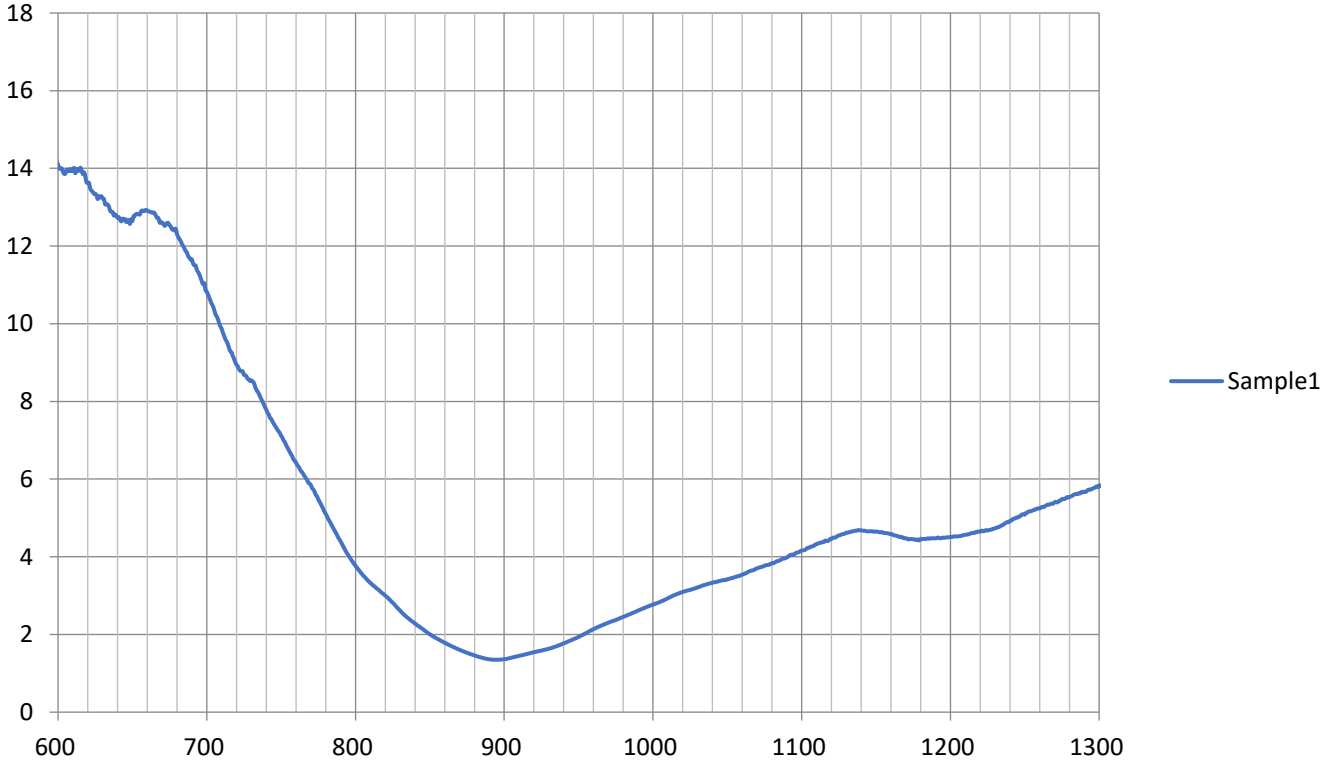


S Parameter Test Data

VSWR



Sample1

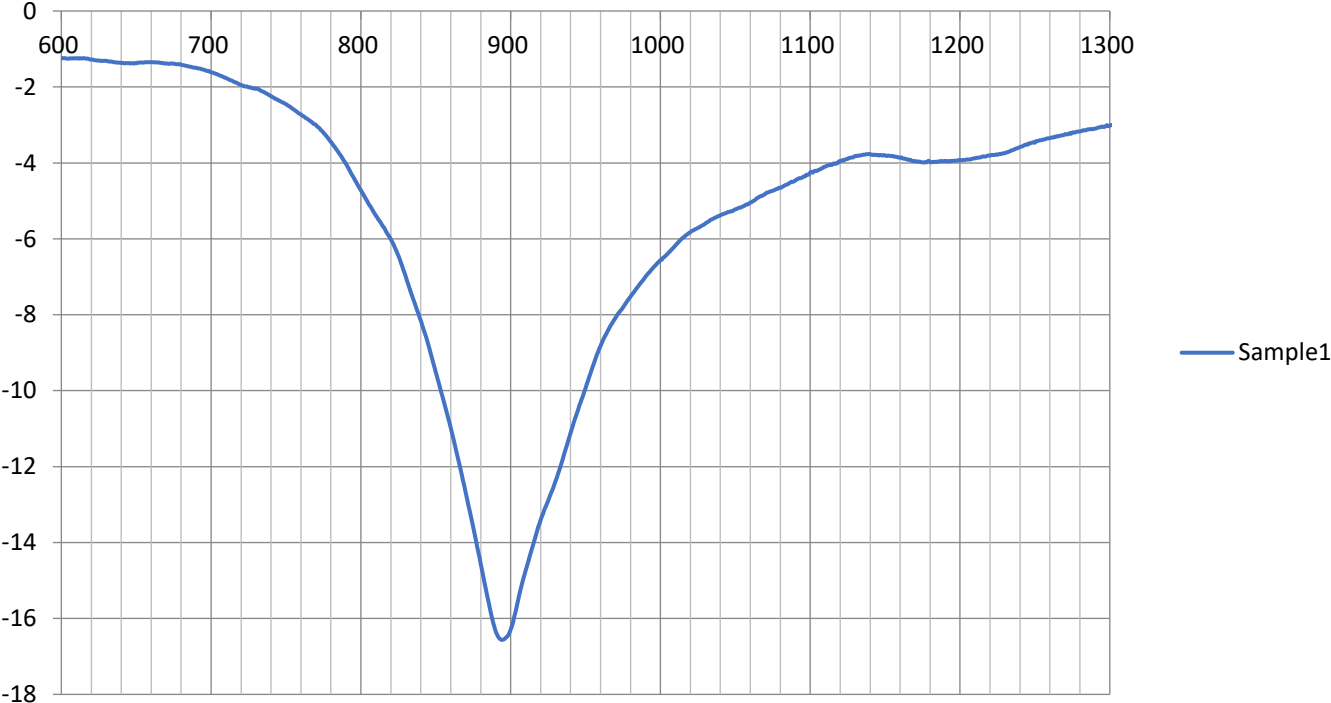


MARK	MARK1
Freq.	915.00MHz
1	1.49

S Parameter Test Data

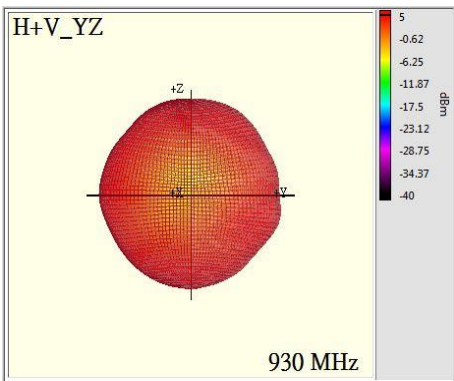
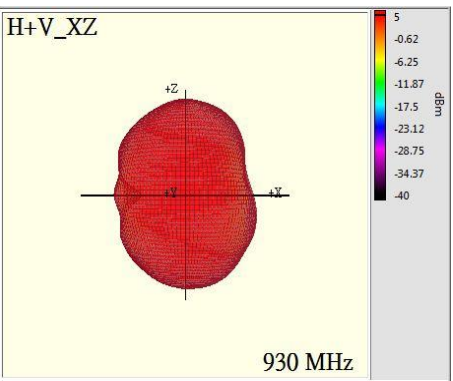
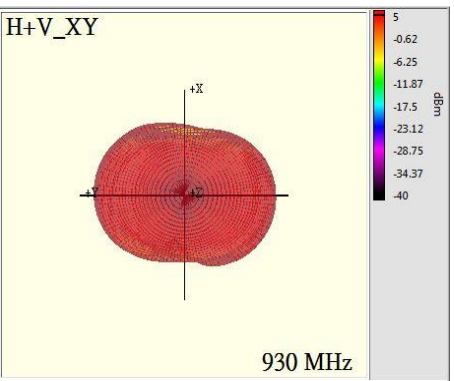
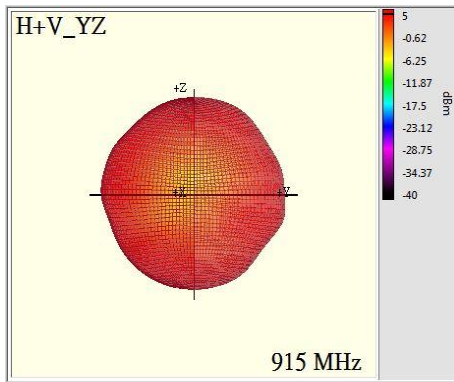
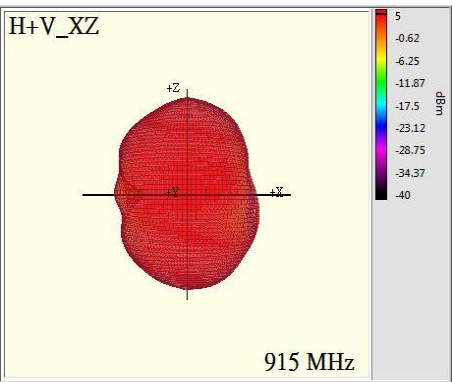
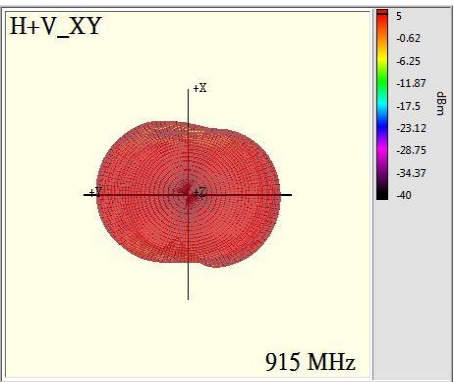
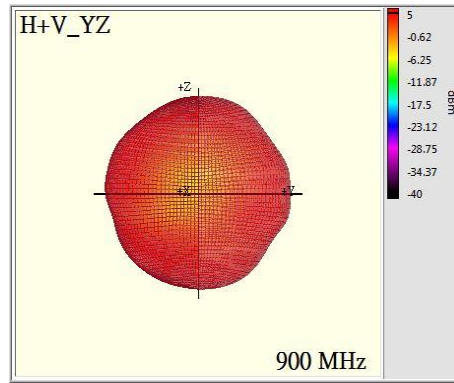
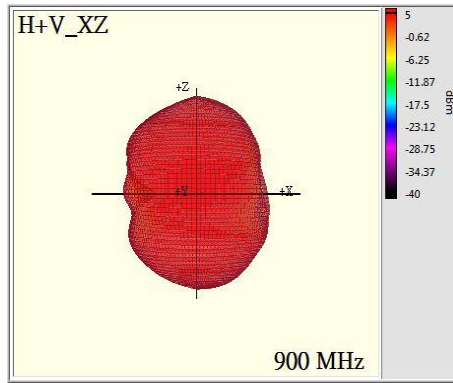
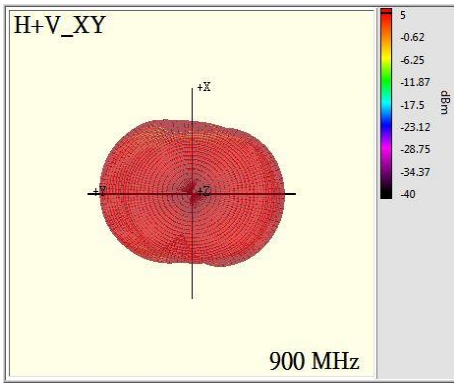
Return Loss

Sample1



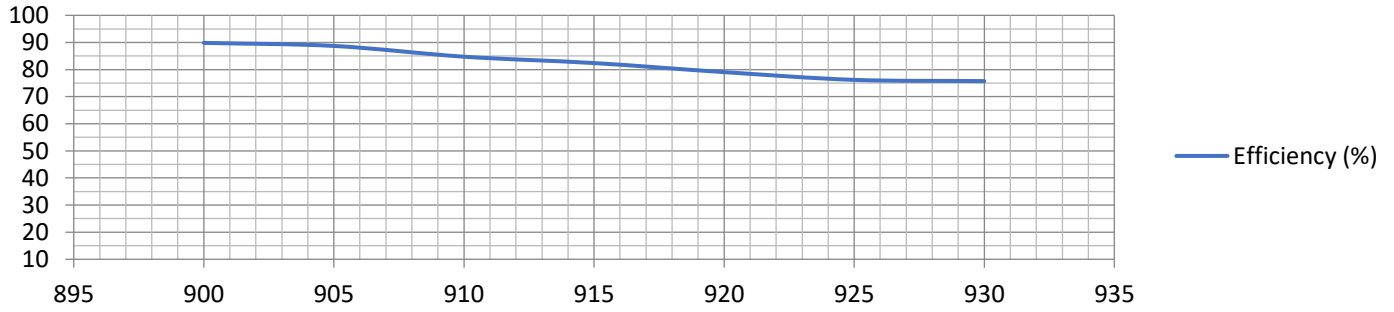
MARK	MARK1
Freq.	915.00MHz
1	-14.06

Antenna Radiation Pattern



Antenna Gain & Efficiency

Antenna Efficiency (%)



Antenna Gain (dBi)

