



Specification

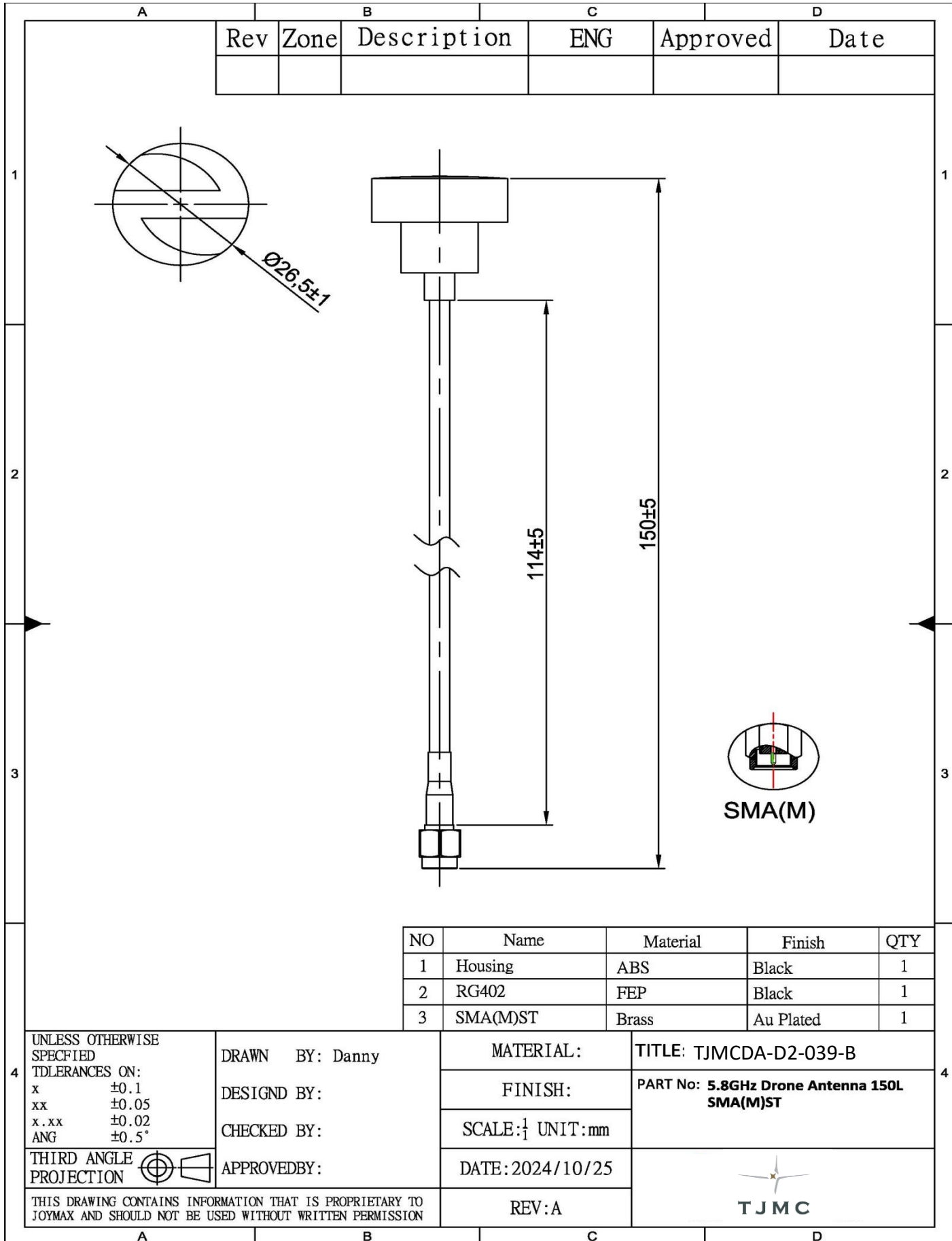
P/N:TJMCDA-D2-039-B

5.8GHz Drone Antenna 150L SMA(M)ST

Technical Specifications

Electrical						
Frequency (MHz)	Efficiency(%)	Gain(dBi)	Test frequency	V.S.W.R	Polarization:	Impedance:
5.85GHz	65.627	2.59	5.85GHz	<2.5	RHCP	50 Ω
5.95GHz	61.619	2.73	5.95GHz	<2.5		
Mechanical						
Connector:	SMA(M)ST					
Antenna length:	150mm					
Antenna Diameter:	26.5mm					
Casing:	ABS					
Cable Type	RG402					
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	Housing	ABS	Black	1
2	RG402	FEP	Black	1
3	SMA(M)ST	Brass	Au Plated	1

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: 1/1 UNIT: mm
 DATE: 2024/10/25

TITLE: TJMCDA-D2-039-B
 PART No: 5.8GHz Drone Antenna 150L SMA(M)ST

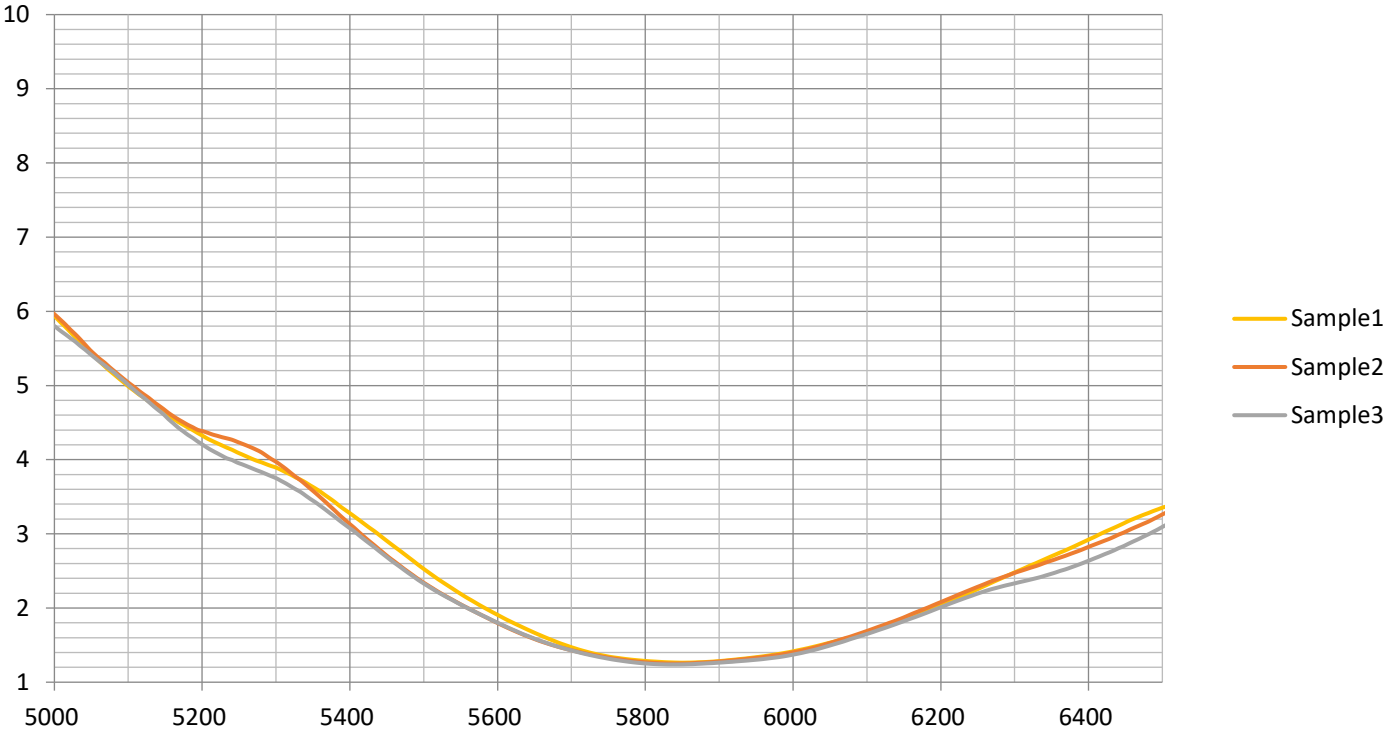
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO JOYMAX AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REV: A



S Parameter Test Data

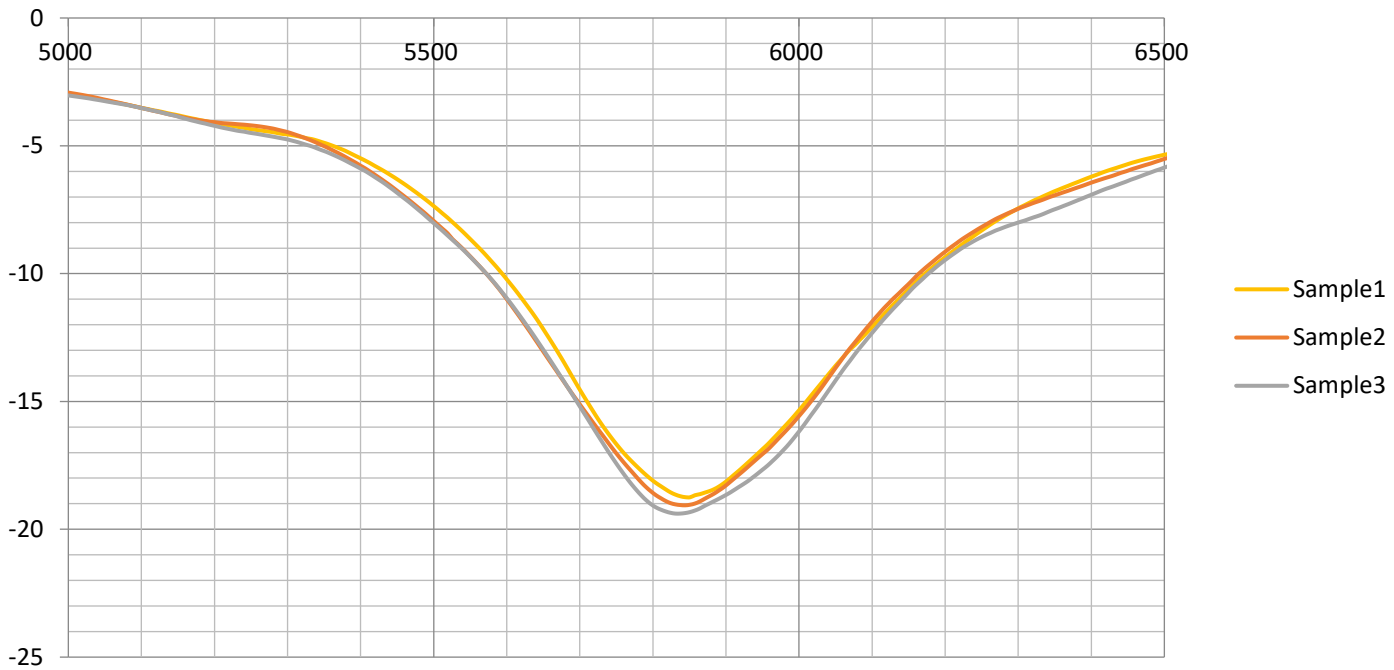
VSWR



MARK	MARK1	MARK2
Freq	5800MHz	5950MHz
1	1.25	1.34
2	1.13	1.33
3	1.19	1.30

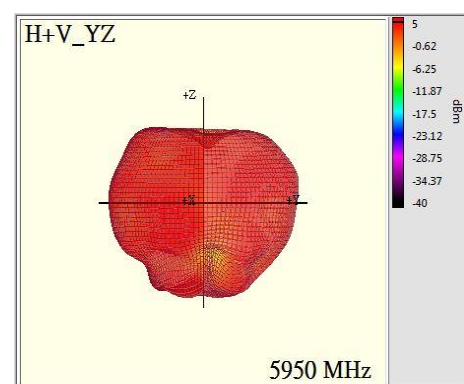
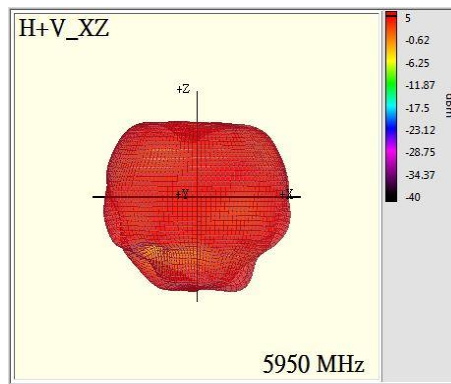
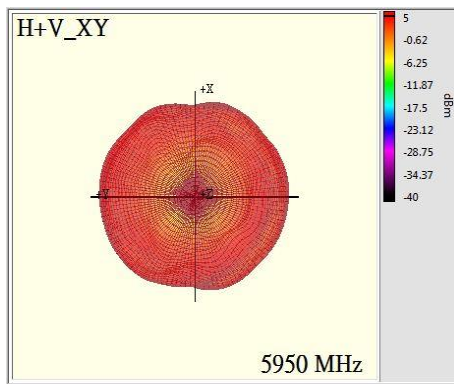
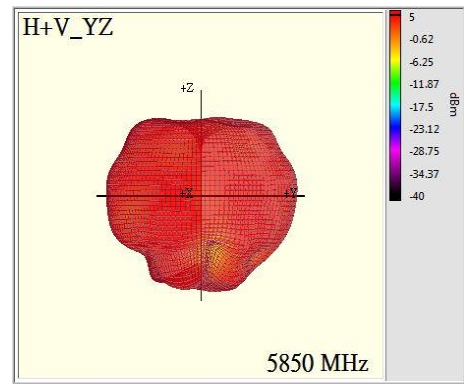
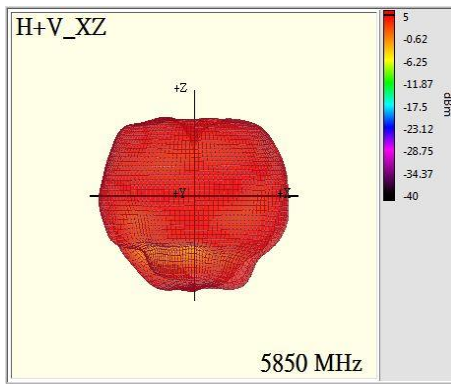
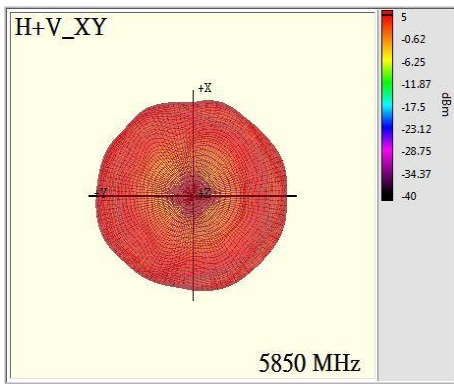
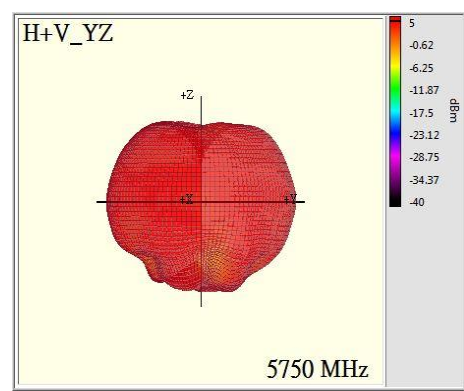
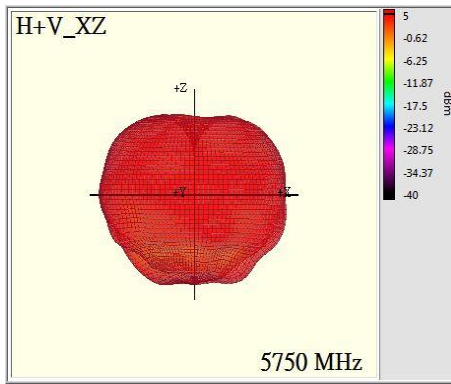
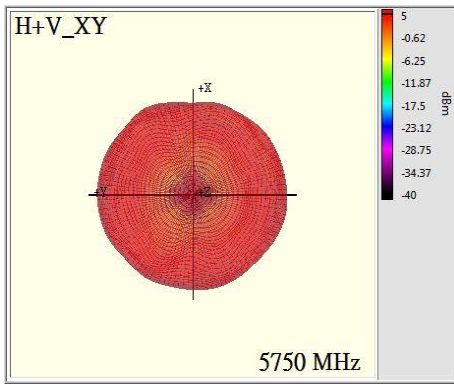
S Parameter Test Data

Return Loss



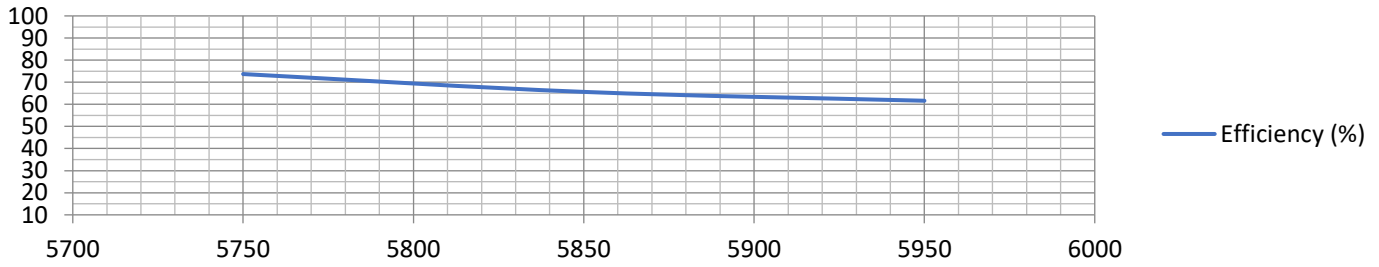
MARK	MARK1	MARK2
Freq.	5800MHz	5950MHz
1	-19.15	-16.87
2	-24.25	-17.06
3	-21.36	-17.67

Antenna Radiation Pattern



Antenna Gain & Efficiency

Antenna Efficiency (%)



Antenna Gain (dBi)

