



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: External LTE Band Antenna 832/1940/2545MHz
BW 256/460/290MHz Size135.7mm

TST Parts No.: TQ0109AA0000

Customer Parts No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Nina Chen *Nina Chen*

Approved by: _____ Kazuma Lee *Kazuma Lee*

Date: _____ 2022/11/09

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

External LTE Band Antenna 832/1940/2545MHz BW 256/460/290MHz

Size 135.7mm

MODEL NO.: TQ0109AA0000

REV. NO.:1.0

A. Maximum Rating:

1. Operating Temperature: -35°C to +75°C
2. Moisture Sensitivity Level: Level 1 (**MSL 1**)

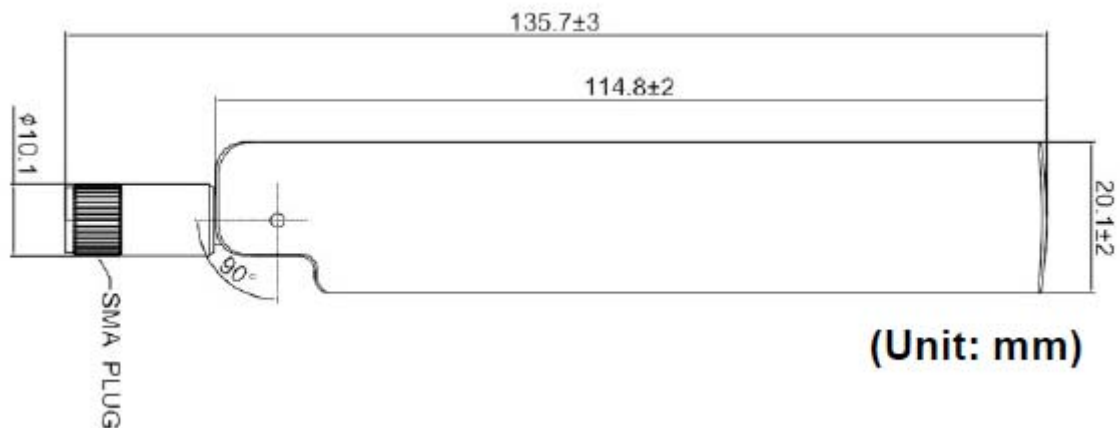
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (**ESD**)

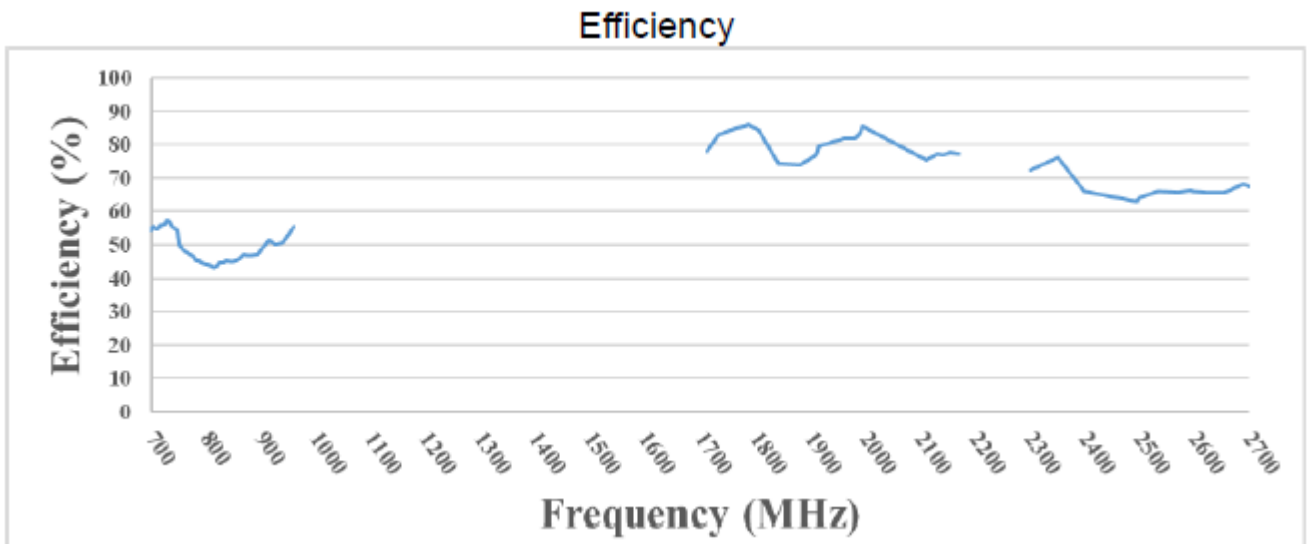
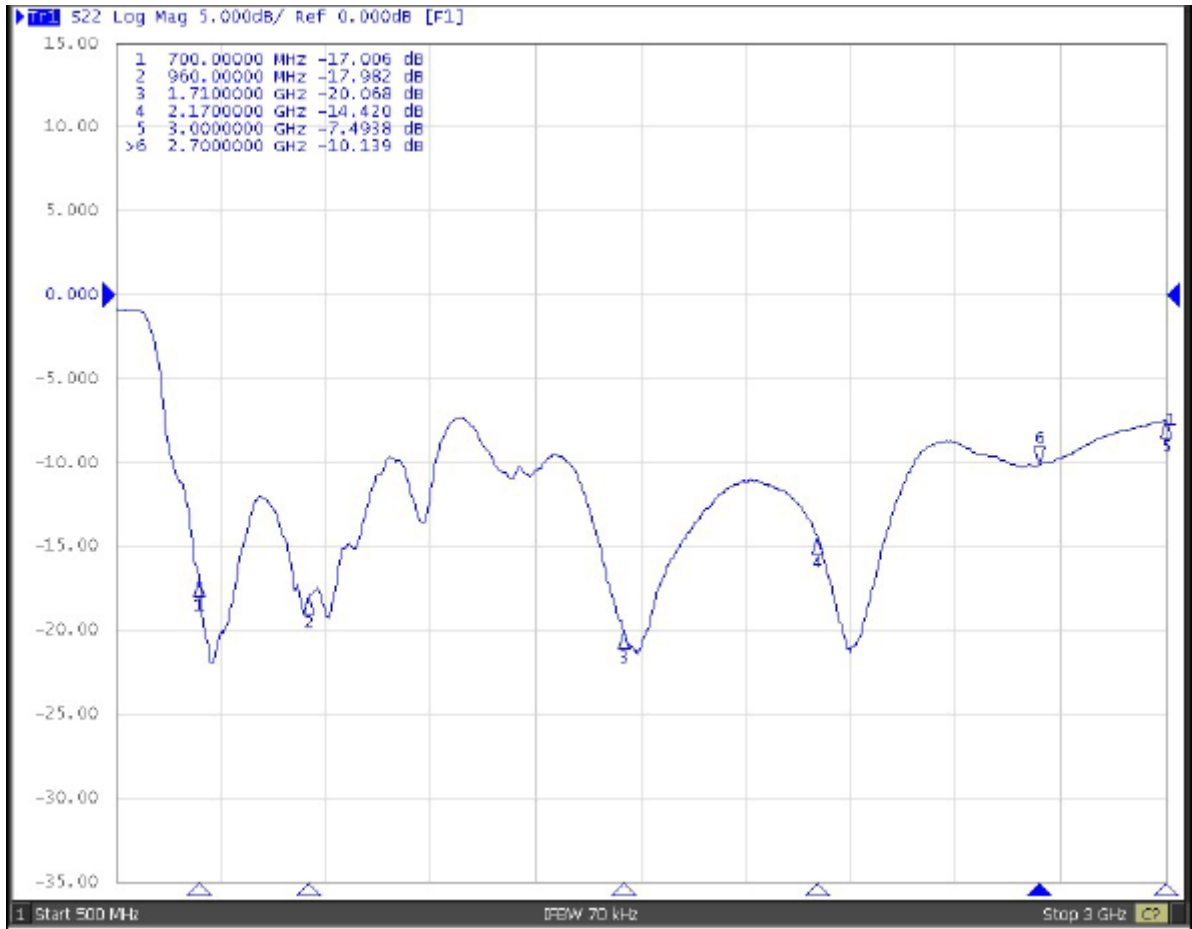
B. Electrical Characteristics:

Item	Spec
Working Frequency	2400~2500 MHz / 1710~2170 MHz / 2400~2690 MHz
Radiation	Omni
Gain	4 dBi
Polarization	Vertical
Body Material	ABS (White)
Standard Connector	SMA Plug

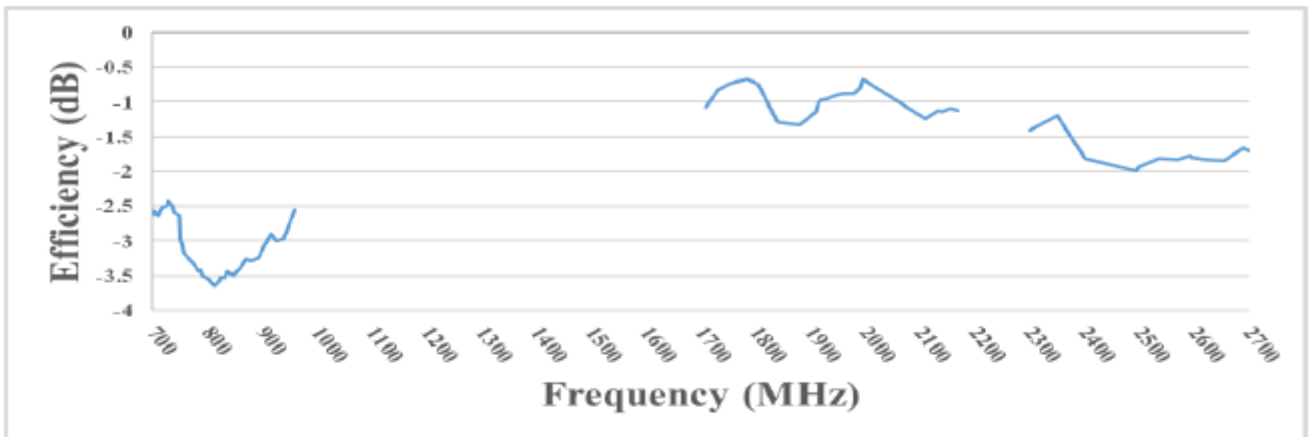
C. Dimension:



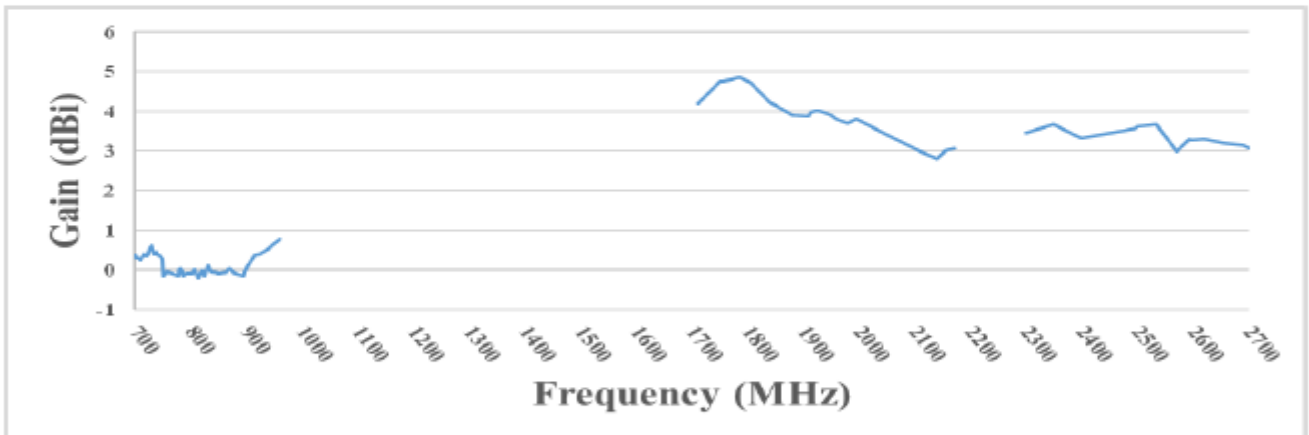
D. Frequency Characteristics:



Average Gain

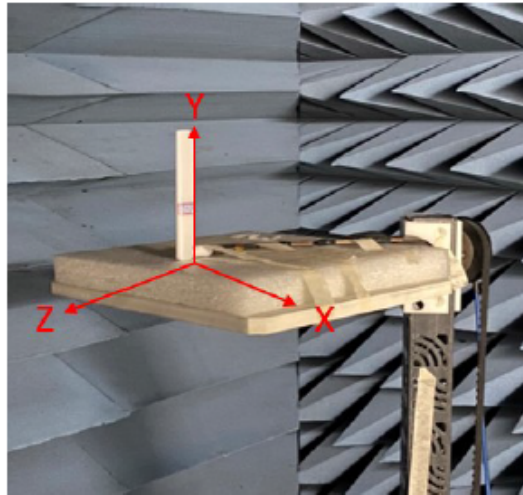


Peak Gain

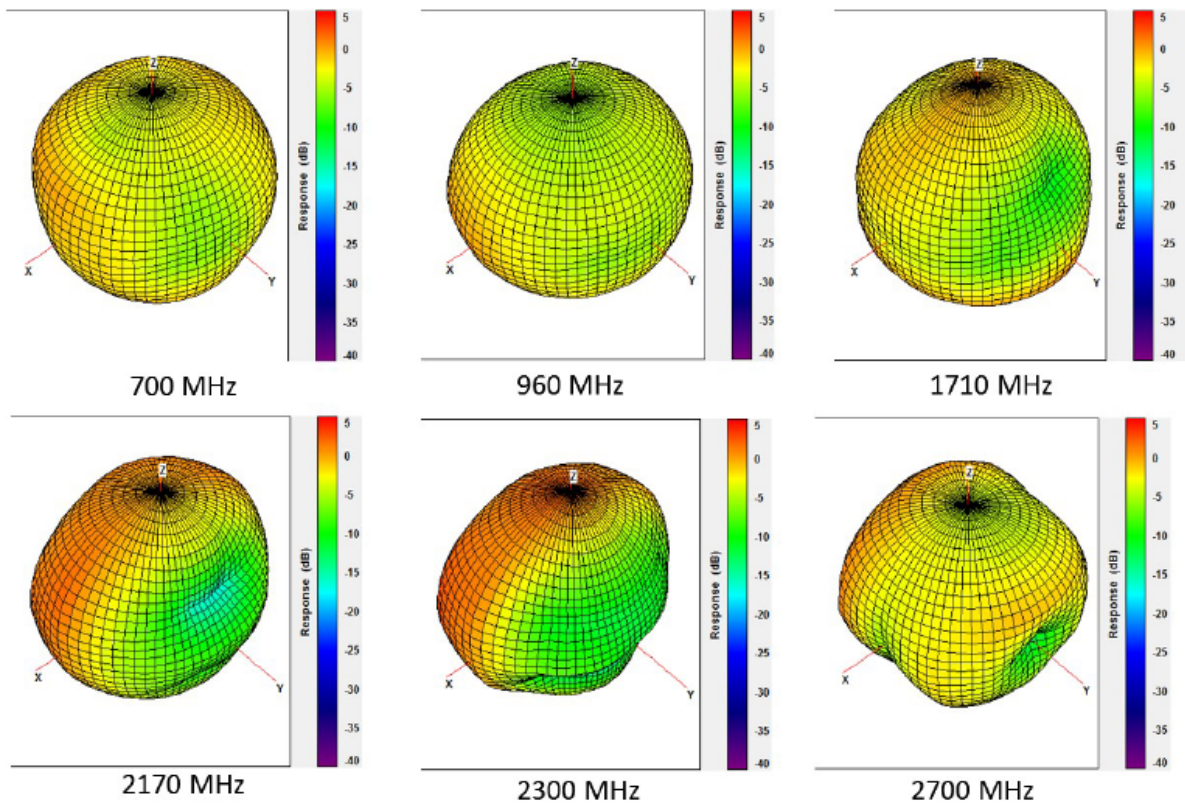


Frequency (MHz)	700	960	1710	2170	2300	2700
Efficiency (%)	54.79	55.56	77.93	77.17	72.41	67.39
Average Gain(dB)	-2.61	-2.55	-1.08	-1.13	-1.40	-1.71
Peak Gain (dBi)	0.38	0.78	4.20	3.06	3.46	3.06

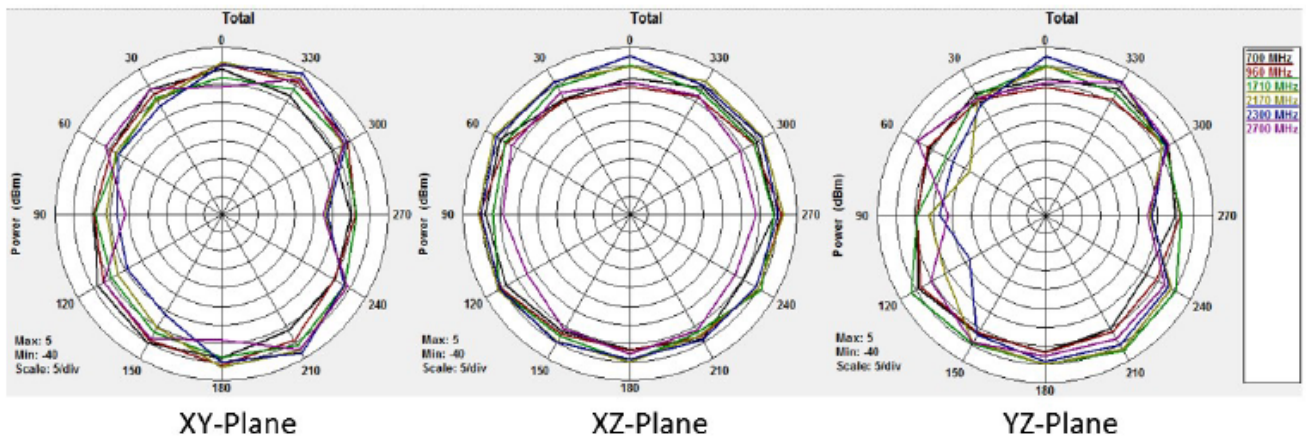
3D and 2D Radiation Pattern:



3D Pattern



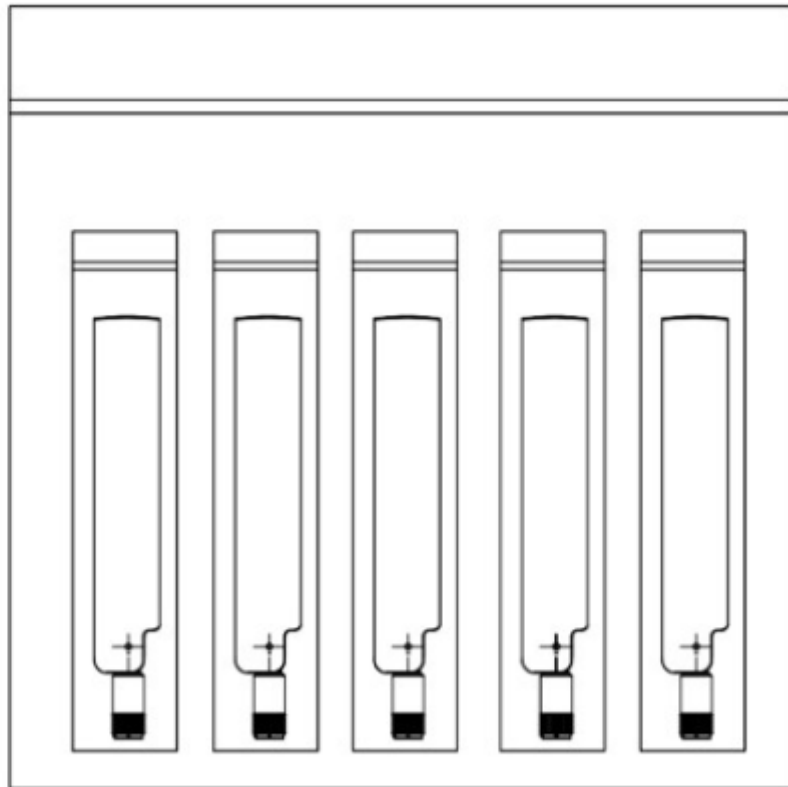
2D Pattern



E.Packing:



1 PCS/PE



50 PCS/PE