



Product Name: TA-45B Terminal Antenna

Part Number: H2BESJ1Q3U02GU

Features:

- RG178 Brown Cable
- RP-SMA Plug(Male)
- Plastic rod of White
- RoHS compliance

Applications:

- 920MHz Wireless Communication
- WLAN device, WLAN Router, e.g., AP, PIC Wireless Card

TA-45B Terminal Antenna

MODEL: TA-45B

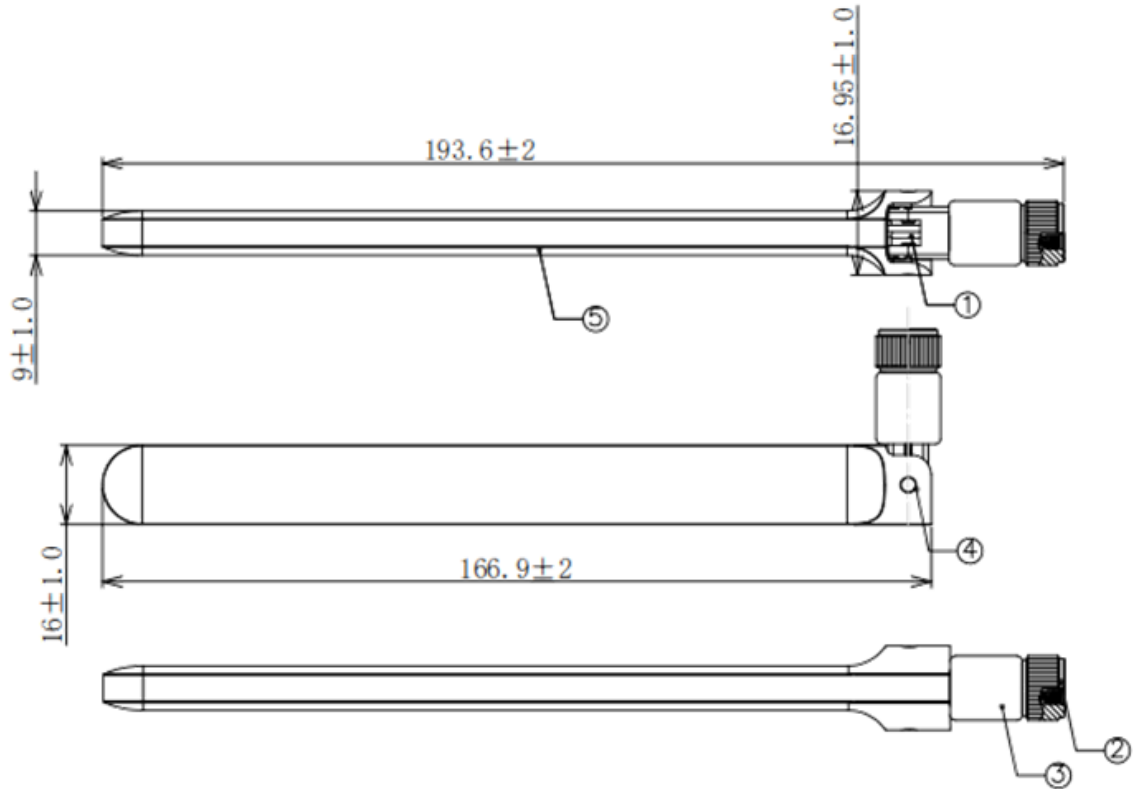
Version: Preliminary

I. Antenna Specifications:

Items	Specifications
Frequency (MHz)	920~930
VSWR	≤ 2.0
Efficiency (%)	72.8 Typ.
Average Gain (dB)	-1.4 Typ.
Peak Gain(dBi)	1.1 Typ.
Impedance(Ω)	50
Polarization	Vertical

Mechanical Specifications	
Dimensions (mm)	193.6 (L) x 16 (W) x 9.0 (H)
Connector	RP-SMA Plug(Male)
Environmental Conditions	
Storage Temperature (° C)	-25 ~ +65
Operating Temperature (o C)	-25 ~ +65
Term of validity	one year

II. Antenna Dimensions (unit: mm):

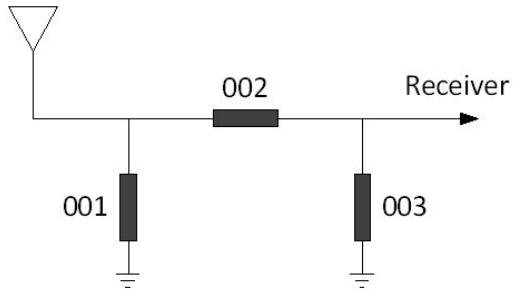


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⑤	Antenna Cover	L166.9*16*9mm ABS White	1PCS
④	Rivet	L6.4* ϕ 2.9mm POM White	1PCS
③	Antenna Base	L27* ϕ 13.0mm PC+PBT White	1PCS
②	Connector	RP-SMA Plug(Male) FOR RG178 Cable	1PCS
①	Cable	RG178 Cable 50 Ω Brown	1PCS
NO	PARTNAME	DESCRIPTION	Q'TY

III. Typical Electrical Characteristics

Recommend Matching Circuit



Reference:

001=(N/A)

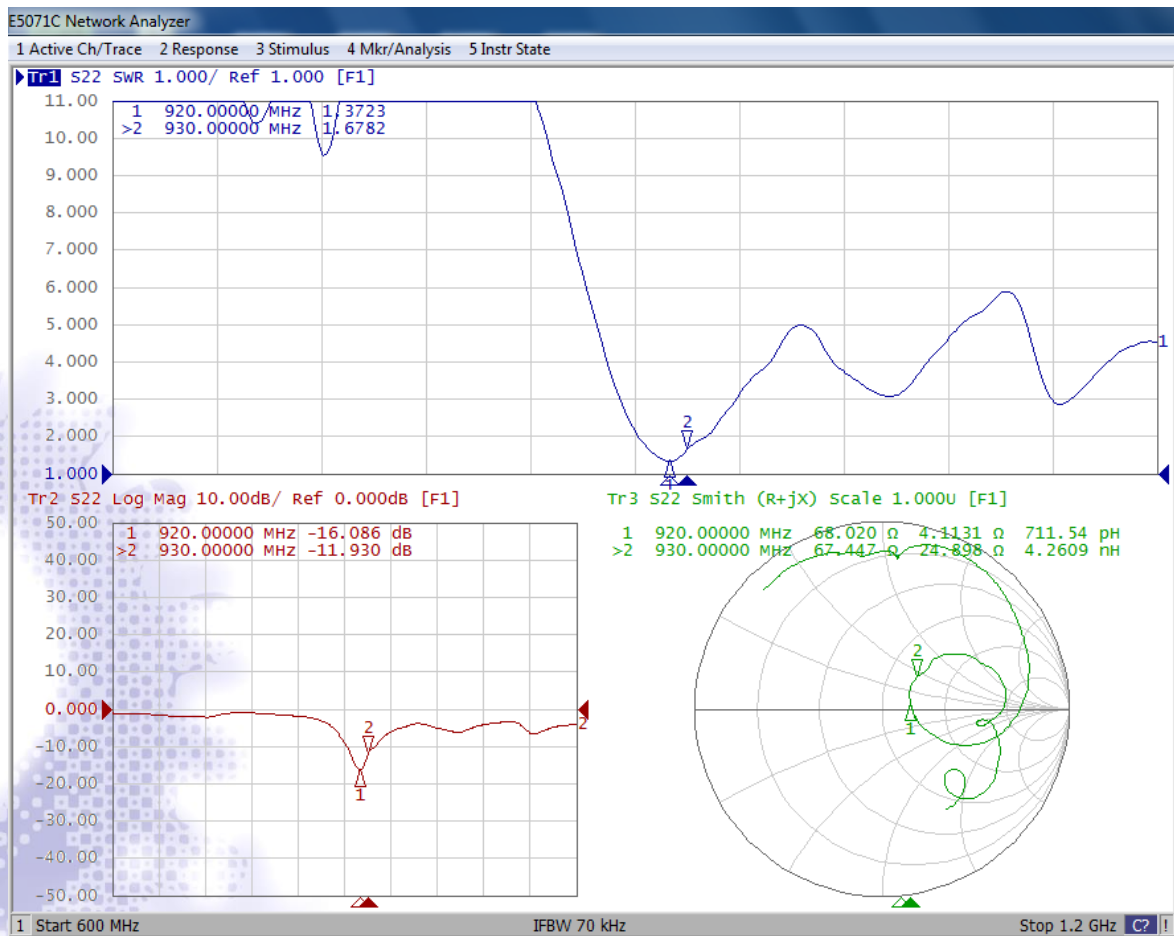
002=0Ω

003=(N/A)

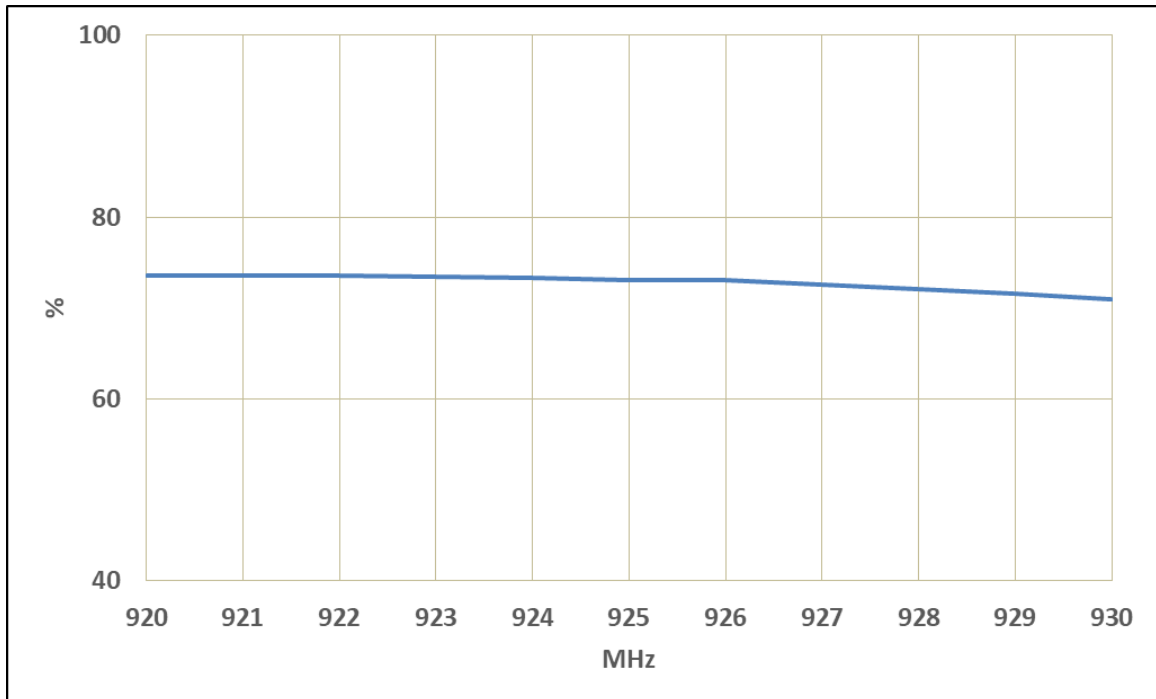
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IV. Properties:

a) Return Loss (dB) & VSWR & Smith Chart

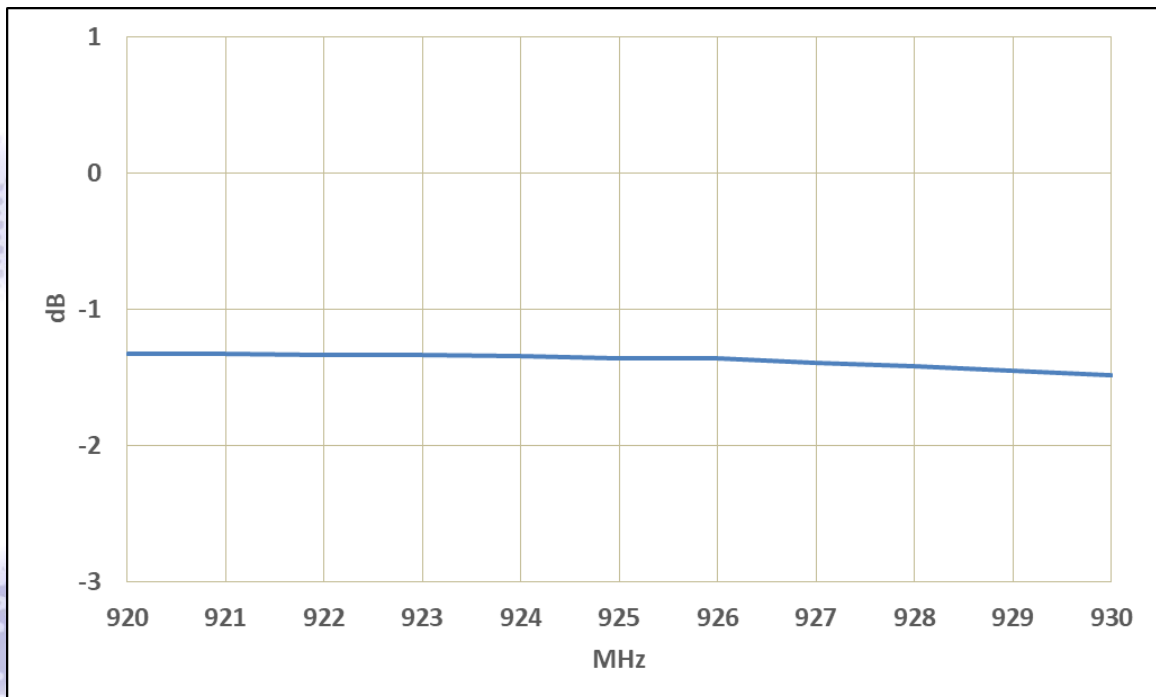


b) Efficiency (%)

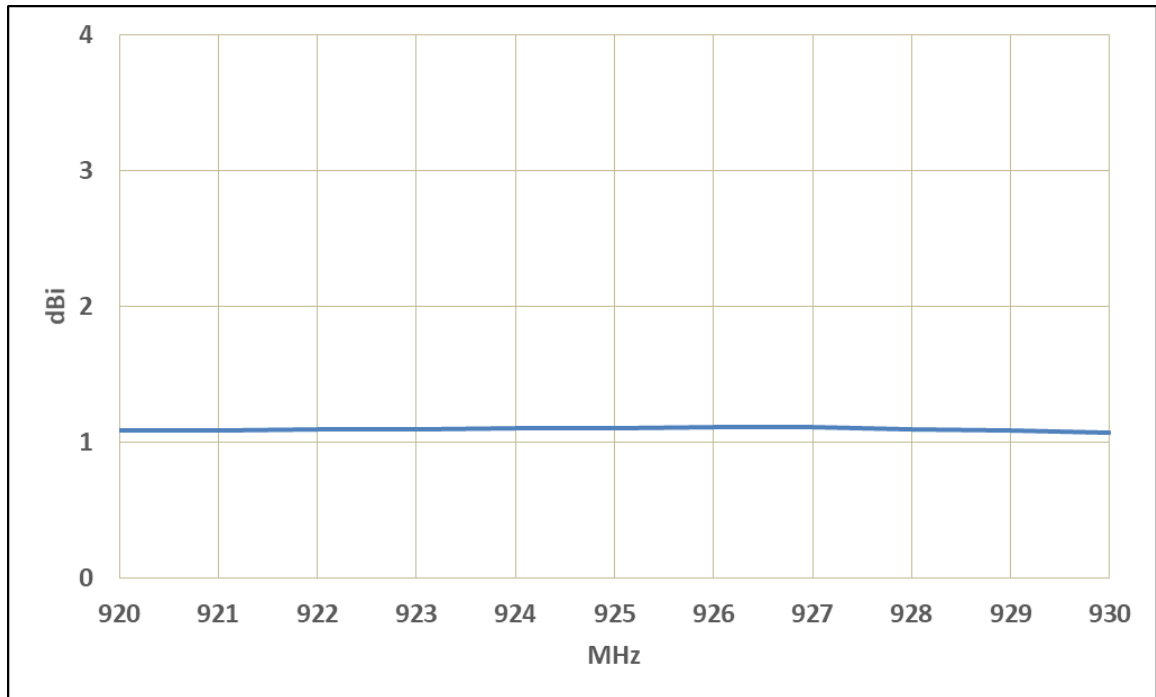


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c) Average Gain (dB)



d) Peak Gain(dBi)

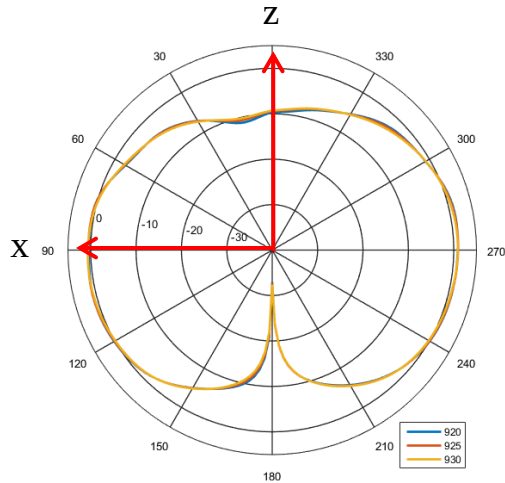


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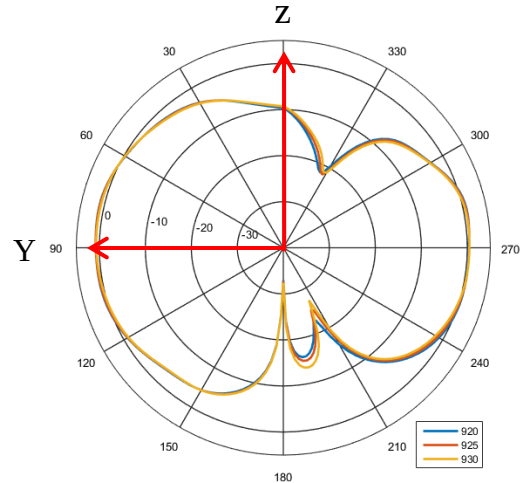
V. Antenna Radiation Pattern Measurement:

2D Radiation Gain Pattern

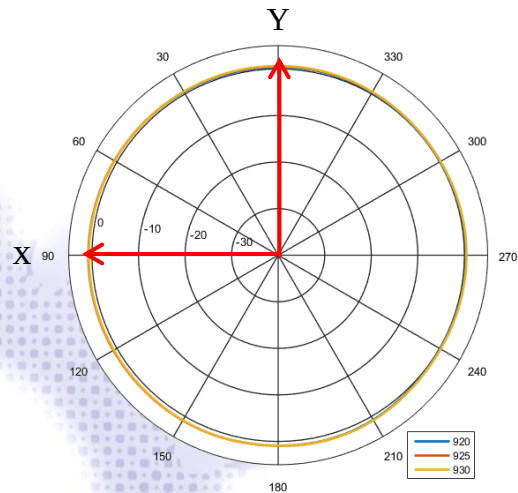
@ XZ Plane (unit: dBi)



@ YZ Plane (unit: dBi)

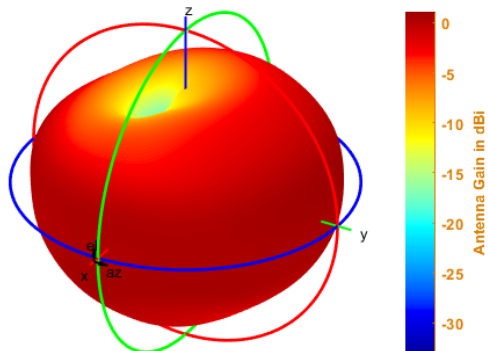


@ XY Plane (unit: dBi)

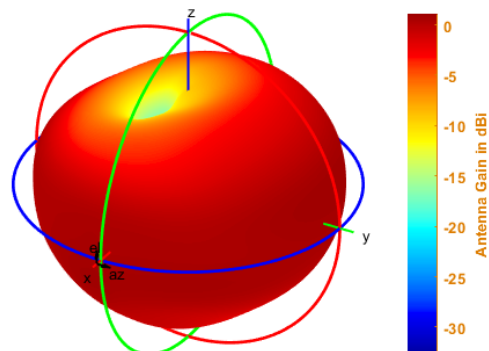


3D Radiation Gain Pattern

@ 920 MHz (unit: dBi)



@ 925 MHz (unit: dBi)



@ 930 MHz (unit: dBi)

