



# WIFI-6E Antenna

## TRB-DPO7SM

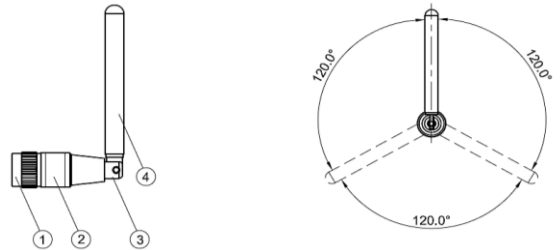
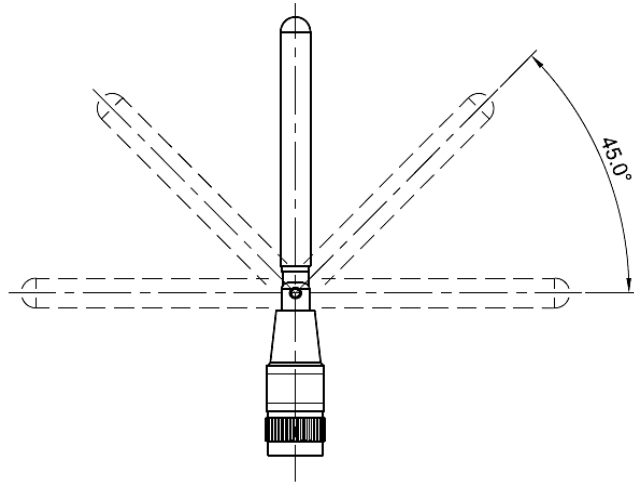
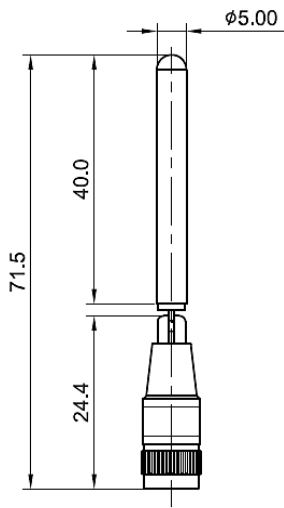


Frequency : 2400-2500 / 5150-7125MHz
Connector : SMA/M or RP-SMA (Optional)
Peak Gain : 1.8 / 4.6 dBi
V.S.W.R : <3:1
Efficiency : > 30 % / 50%
Impedance : 50 ohm
Weight : 8 g
Material : BRASS/ POM
Polarization : Linear Rotated 360°
Color : Black or white(MOQ:5Kpcs)
Mount : SMA/M
Operation Temperature : -40 ~ +85 °C
Storage Temperature : -40 ~ +85 °C
Max. Power : 10W
Dimension : Ø71.5 x 5 mm

**EVERCOM COMMUNICAITON TECHNOLOGY CO., LTD.**

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4	SMA Plug	Brass	Ni	1
3	Cap	POM	Black	1
2	Hinge	Brass	Ni	1
1	Housing	POM	Black	1
No.	Name	Material	Finish	Q'ty

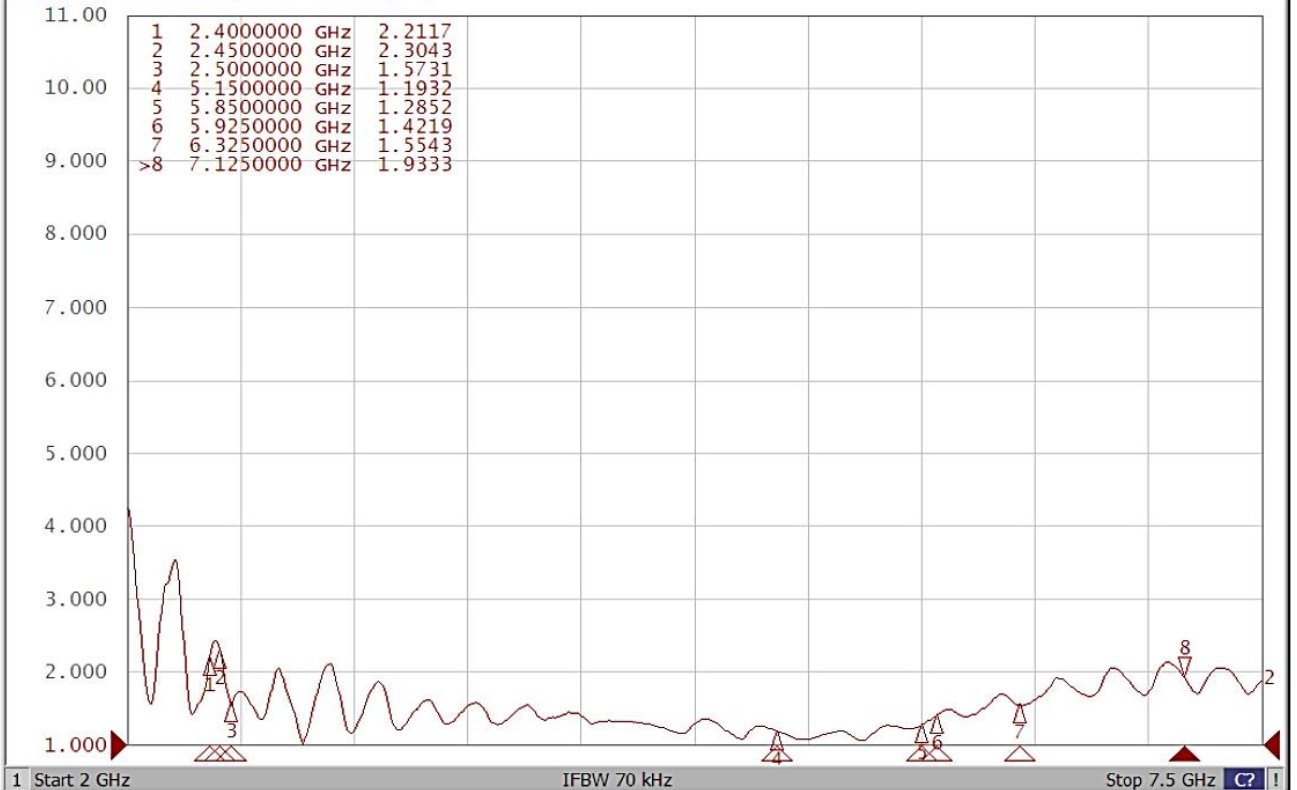
	EVERCOM COMMUNICATION TECHNOLOGY CO., LTD		CHECKED BY	APPROVAL BY	DESIGNED BY	SCALE	UNIT
	MODEL NAME	MODEL NO.	LTS-DP07SM	<i>Ben</i> 20170621	C.H.C 2017.06.21	1 : 2	mm

E5071C Network Analyzer

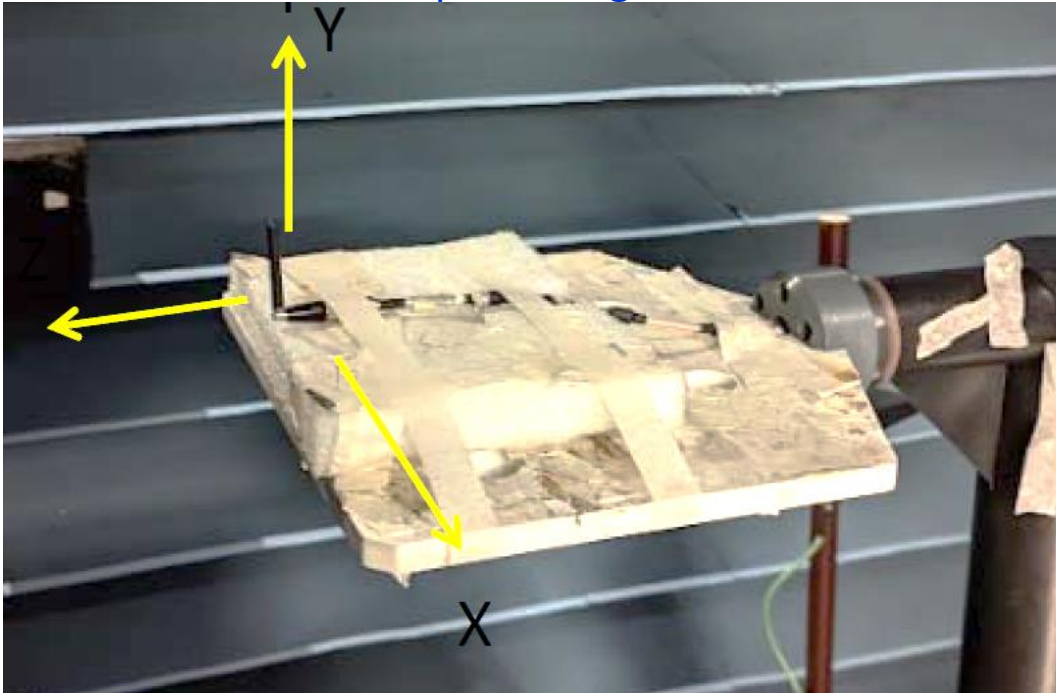
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

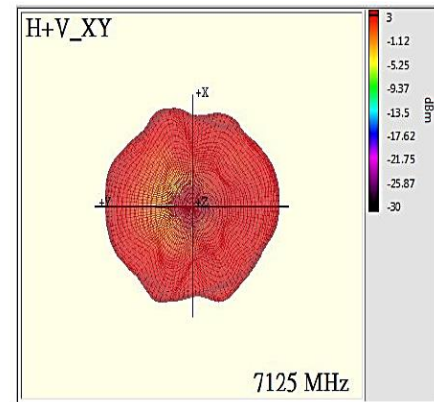
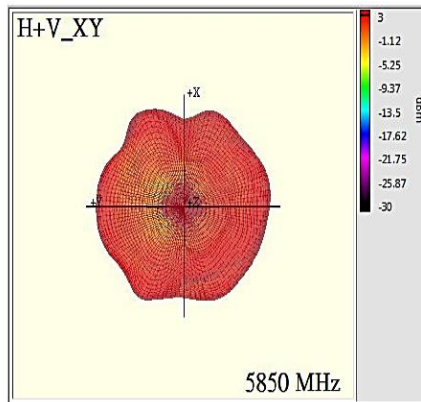
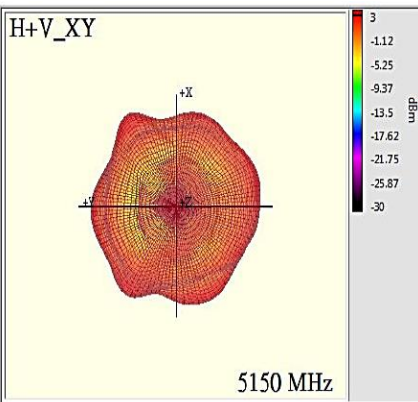
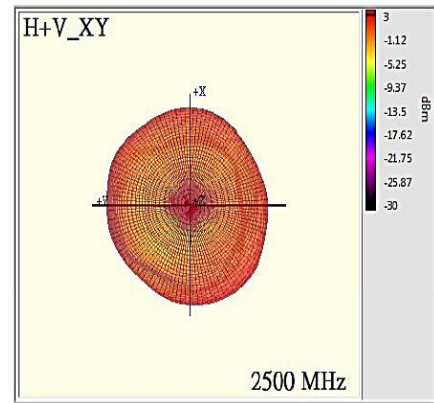
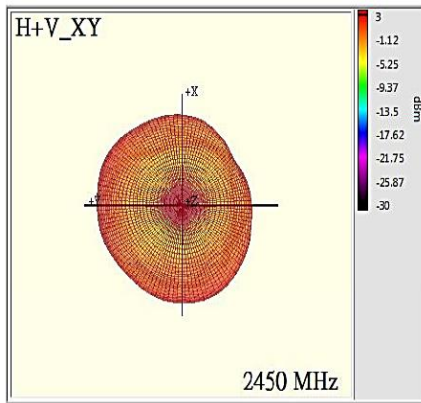
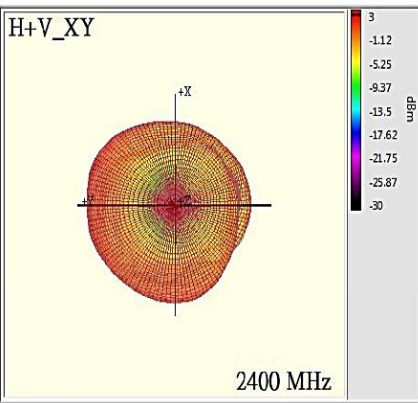
▶ Tr2 S33 SWR 1.000/ Ref 1.000 [F2]



# Antenna Gain Test Chamber Setup and Angle Definition



## Antenna Radiation Pattern





## Gain and Efficiency Test Data

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Directivity (dBi)	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3
Efficiency (dB)	-4.9	-4.7	-4.6	-4.5	-4.4	-4.2	-4.0	-3.9	-3.7	-3.6	-3.5
Efficiency (%)	32.7	33.8	34.6	35.4	36.3	37.8	39.4	40.7	42.4	43.7	44.9
Gain (dBi)	0.8	0.9	0.9	1.0	1.1	1.3	1.4	1.5	1.7	1.8	1.8

Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850	5925	6025	6125
Directivity (dBi)	6.2	5.8	5.6	5.9	6.0	6.1	5.9	5.9	5.6	5.5	5.2
Efficiency (dB)	-2.5	-2.2	-2.3	-2.1	-2.1	-2.3	-1.8	-1.8	-1.7	-1.4	-0.6
Efficiency (%)	56.9	60.9	58.8	61.0	61.2	58.9	65.7	66.7	67.1	73.2	87.1
Gain (dBi)	3.8	3.6	3.3	3.7	3.8	3.8	4.1	4.2	3.9	4.2	4.6

Frequency (MHz)	6225	6325	6425	6525	6625	6725	6825	6925	7025	7125
Directivity (dBi)	5.2	4.3	4.6	3.9	4.0	3.5	3.7	3.9	3.5	3.6
Efficiency (dB)	-0.8	-1.0	-1.1	-1.0	-1.2	-1.1	-1.8	-1.7	-2.2	-2.1
Efficiency (%)	82.4	80.0	78.2	79.7	75.6	78.0	65.6	67.2	60.6	61.2
Gain (dBi)	4.3	3.3	3.5	2.9	2.8	2.4	1.9	2.2	1.3	1.5





# Packaging

A antenna 1 zipper bag  
/100 pcs one big PE bag



1000 PCS Per Carton=9.5KG  
Carton Dimensions:40\*30\*20cm

