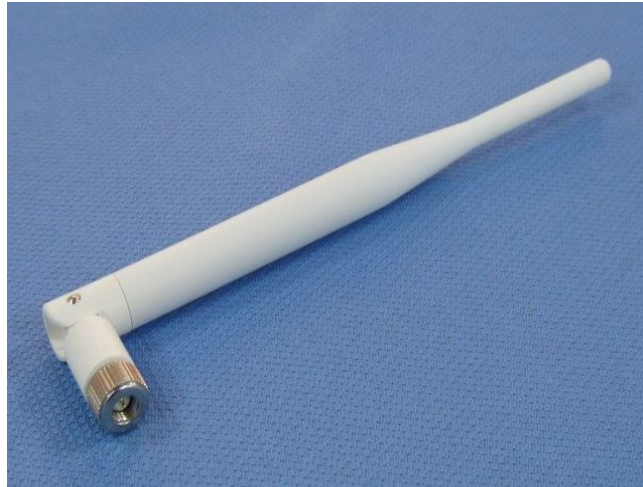


JPE LTE & GPS Passive Antenna

MODEL: TH-97B-VE-PG2



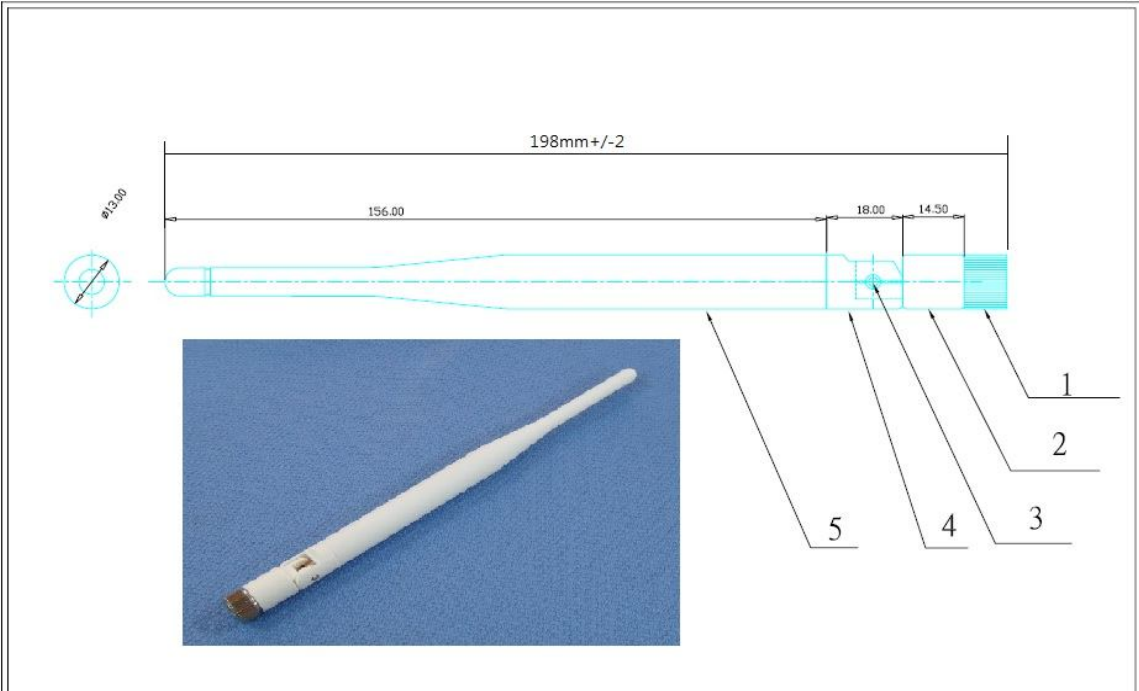
1.1 Electrical Properties

Parameter	Description
Frequency Band	815~875MHz & 1575Mhz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	3.0:1 Max
Antenna Gain	1.5dBi Max
Note: Gain includes the cable loss	

1.2 Mechanical Properties

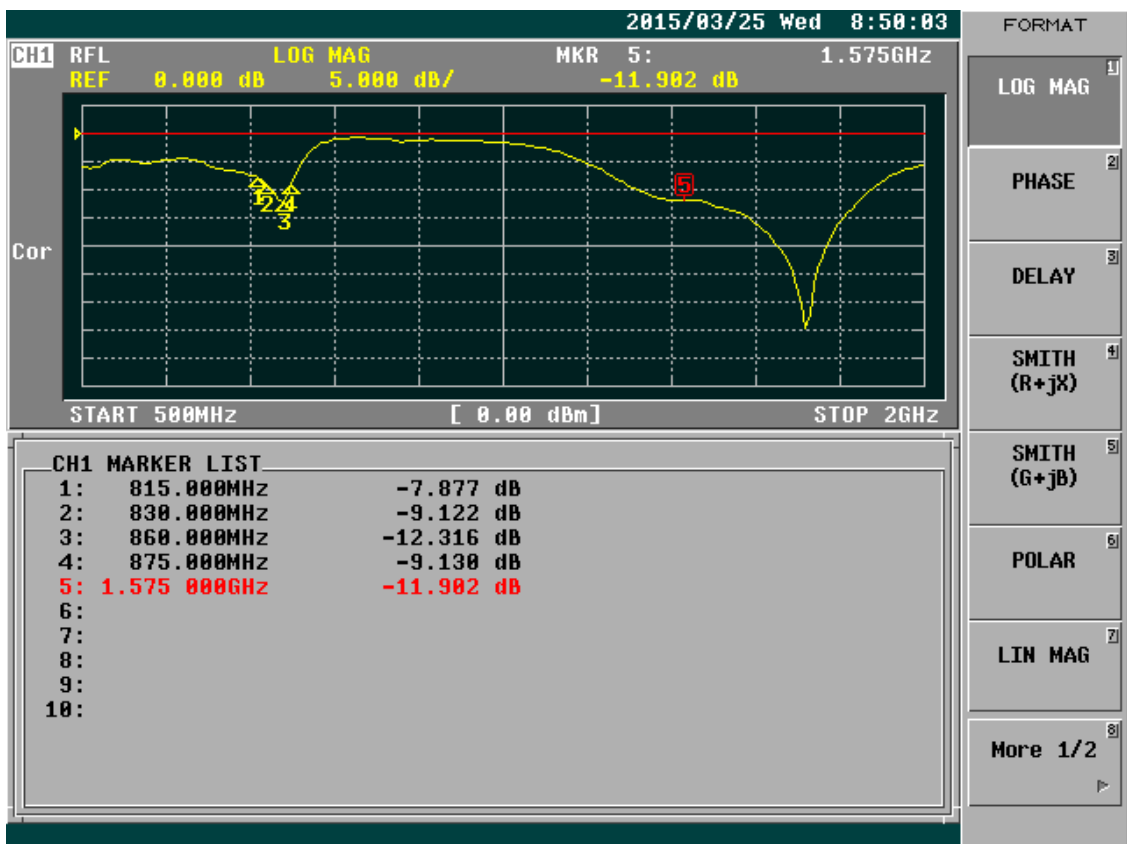
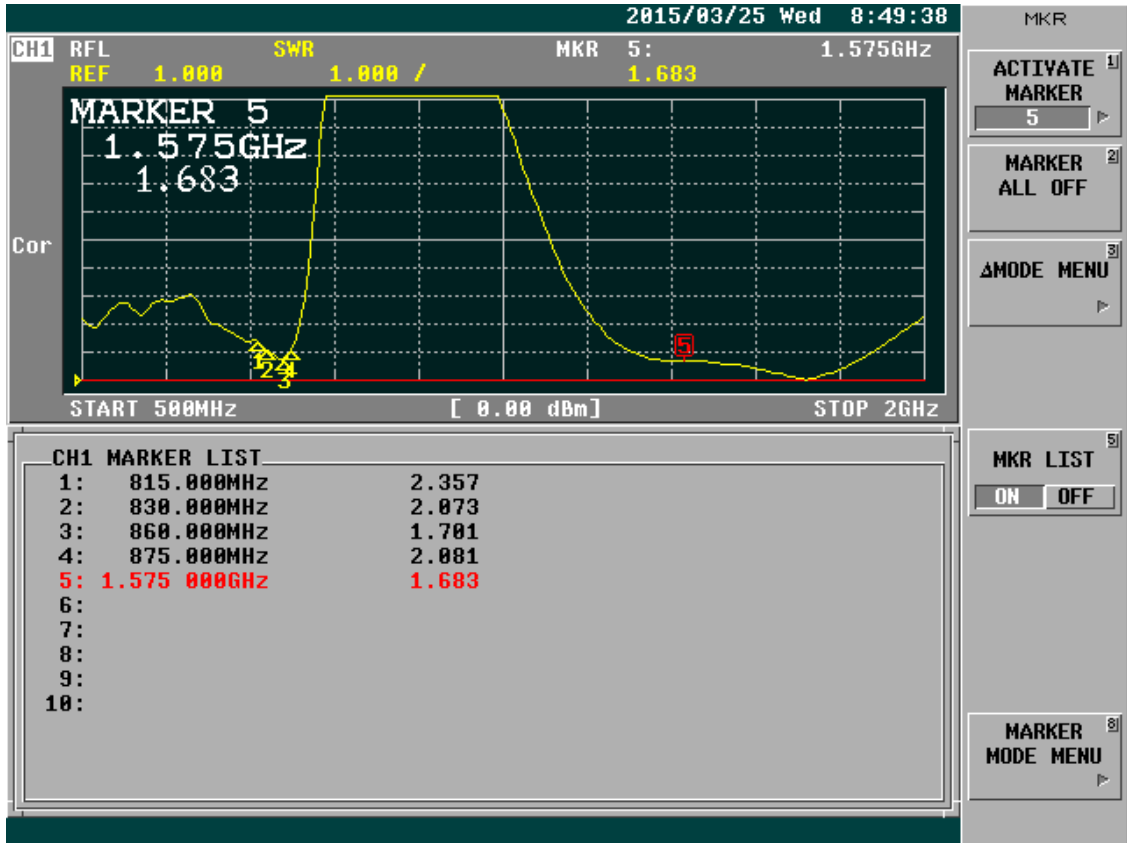
Parameter	Description
Antenna Type	External Antenna
Antenna Cover	TPE
Touch Type	Screw Type
Connector Type	SMA 180°(Male)
Antenna Dimensions	198mm±2
Antenna Color	White
Operating Temperature Range	-20°C~+60°C
Storage Temperature Range	-30°C~+70°C

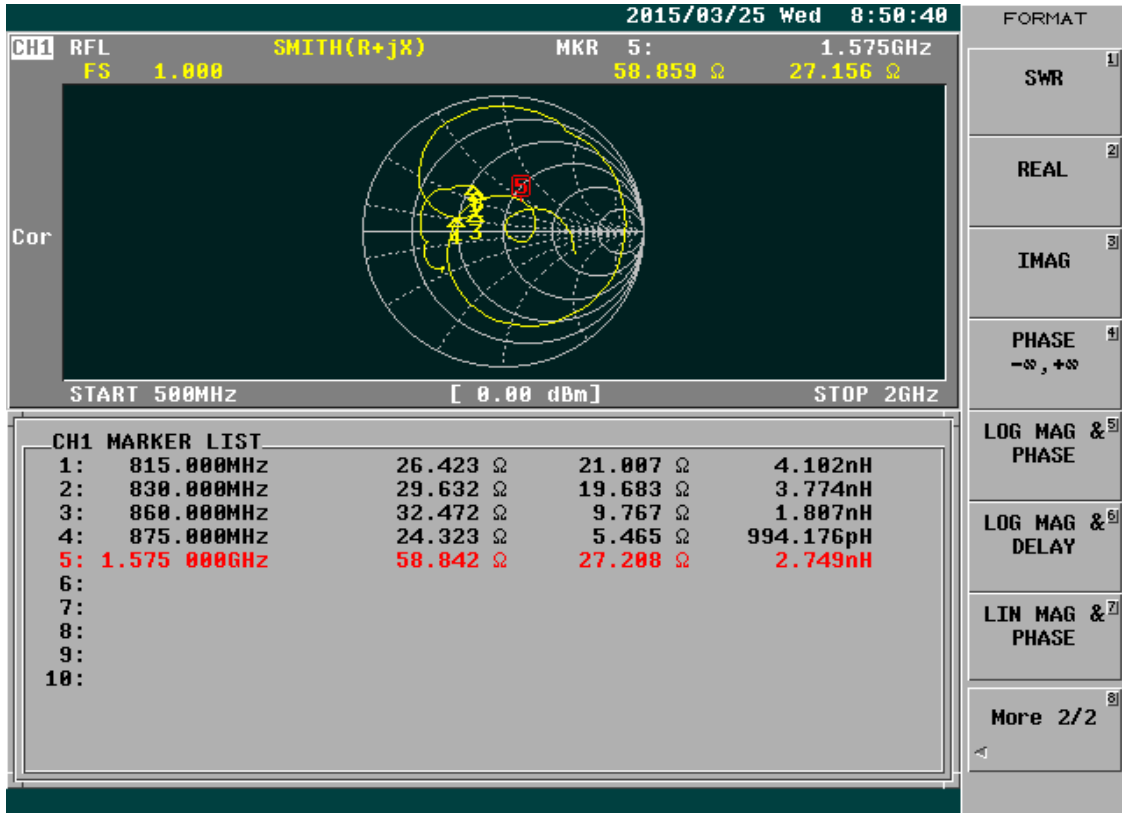
* This specification is subject to change without prior notice



5	ANT. COVER	TPU	white		 百展科技 BJTEK www.bjtek.com.tw	百展科技有限公司	TEL: 886-2-86720160	
4	BASE-I	PC+ABS	white			BJTEK NAVIGATION INC	FAX: 886-2-86720161	
3	ROTARY SHAFT	BRASS	NI			TITLE: TH97-SMA(M)-VE-PG2	DWG NO.:	
2	BASE-II	PC+ABS	white			TOLERANCE: AS SPEC. FINISH: SEE TABLE	DATE: 20150226	UNIT: MM
1	SMA CONN	BRASS	NI			MATERIAL: SEE TABLE	ISSUED: 787KEN	DRAWN: BILL
ITEM	DESCRIPTION	MAT'L	FINISH	ITEM No.				







Test result:

Frequency (MHz)	815	830	860	875	1575
Average Gain (dB)	-2.19	-2.05	-2.37	-3.14	-1.57
Peak Gain (dBi)	1.51	1.64	1.07	0.26	1.43
Efficiency (%)	60.27	62.24	57.86	48.44	69.55

2D Radiation Patterns :

