2400-250MHz Fiberglass Omni Antenna

TQJ-2400TG6

Applications

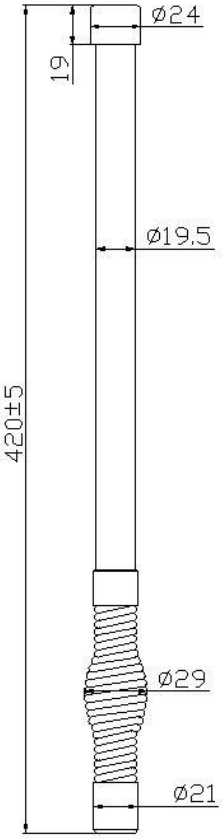
2400-2500MHz Band Communications/ Wireless Data transmission System/ Wireless Paging System.

Electrical Specifications	
Frequency Range (MHz)	2400～2500
Bandwidth(MHz)	100
Polarization	Vertical
Gain (dBi)	6.24
Horizontal Beam Width(°)	360
Vertical Beam Width(°)	25
Horizontal unroundness(dB)	±1.5
Impedance (Ω)	50
VSWR	≤1.8
Maximum Input Power (W)	50
Mechanical Specifications	
Connector Type	N Male
Connector Position	Bottom
Antenna Size (mm)	Φ29*（420±5）
Antenna Weight (Kg)	0.3±0.05
Radome material	Fiberglass
Radome color	Gray@Fiberglass
Operating Temperature (℃)	-40～+70
Relative Humidity(%)	5～95
Rated Wind Velocity (m/s)	55
Salt Spray Resistance	96Hour Neutral（GB/T 2423.17-2008）
waterproofing grade	IP65
Applications	Outdoor
Mounting	M110N Magnetic or mounting with piggyback device

Add：No.30 Dongyang 3rd Road, Danzao Town, Nanhai District, Foshan City, Guangdong, China 528216

Tel: +86-757-88022860 Email: kbt@kenbotong.com Web: http://www.kenbotong.com

Installation Sketch

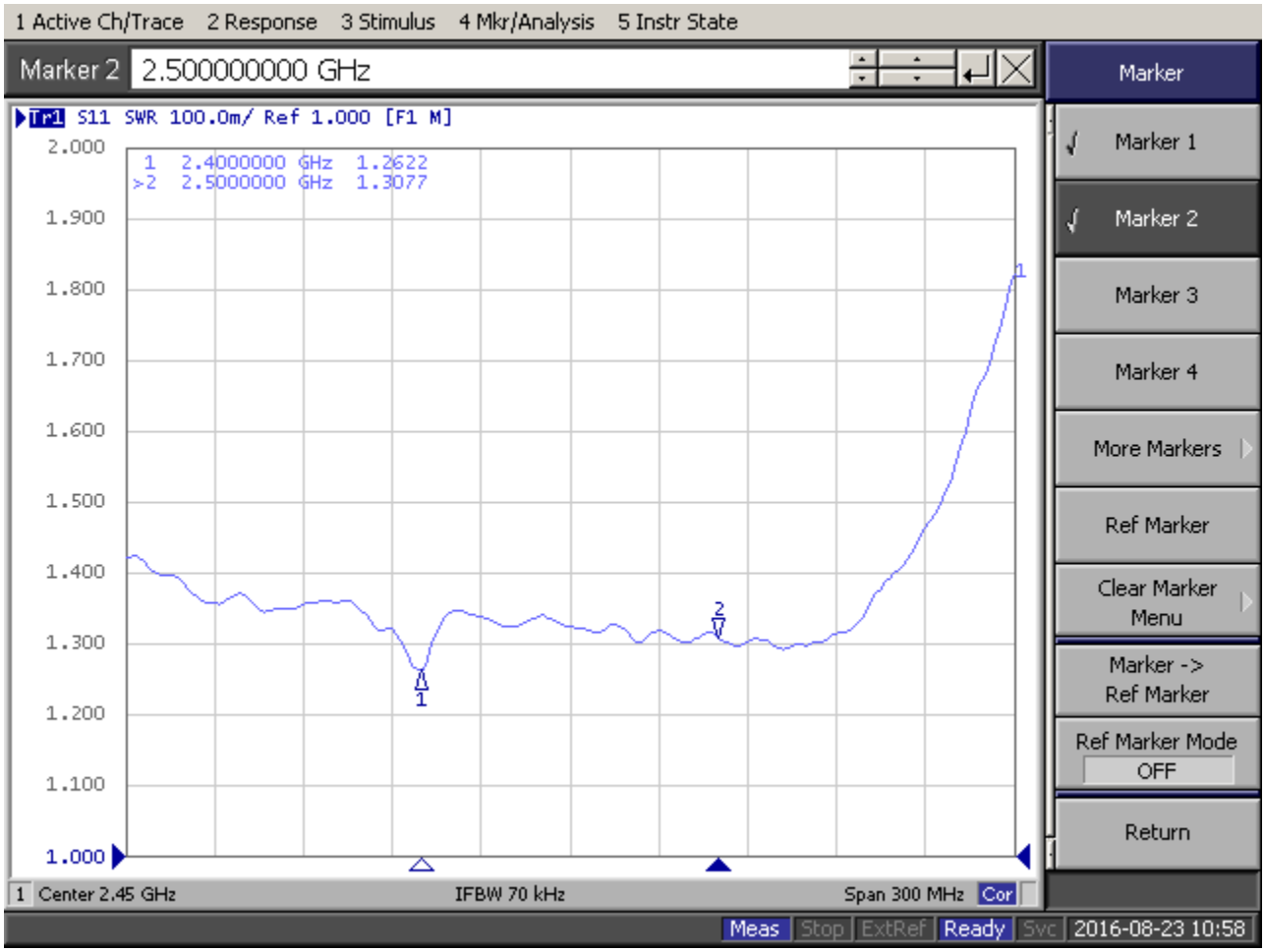


Test results

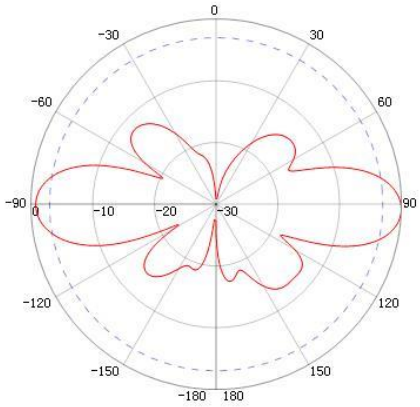
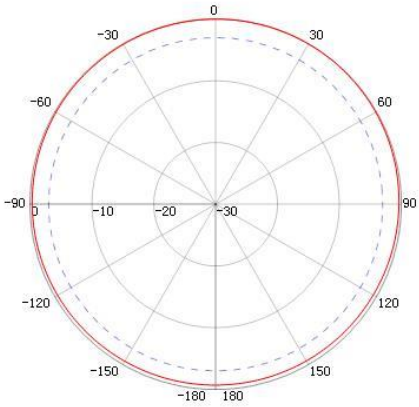
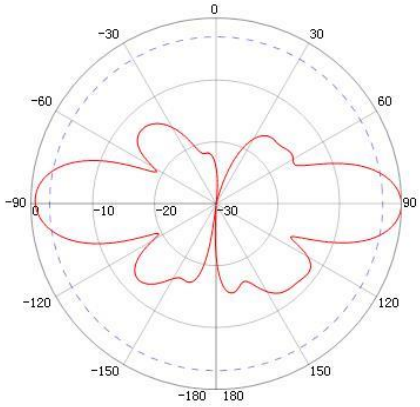
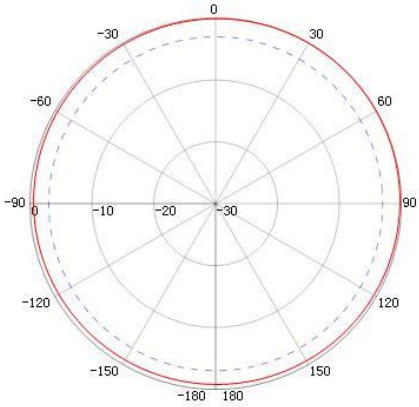
Test items	technical requirement	Unit	Test results			Det
frequency range	2400-2500	MHz	2400-2500			PASS
Gain	6±1	dBi	2400 MHz	6.23		PASS
			2450 MHz	6.24		
			2500 MHz	6.14		
Horizontal beamwidth	360	°	2400 MHz	360		PASS
			2450 MHz	360		
			2500 MHz	360		
Vertical Beamwidth	25	°	2400 MHz	23.04		PASS
			2450 MHz	24.16		
			2500 MHz	23.15		
Horizontal out of roundness	±1.5	dB	2400 MHz	0.36		PASS
			2450 MHz	0.42		
			2500 MHz	0.38		
Voltage standing wave ratio	≤1.8	/	1.26	1.33	1.31	PASS

Radiation pattern	/	/	See attached image	PASS
Polarization mode	Vertical	/	Vertical	PASS
PASS				

Voltage standing wave ratio



2D

频率	E 面	H 面
2400MHz		
2450MHz		
2500MHz