

ANT-282 Technical Sheet

Fibreglass Omni Antenna

Features

- Fiberglass radome & superior performance
- All weather operation
- Steel mounting kit
- Integral N female connector

Applications

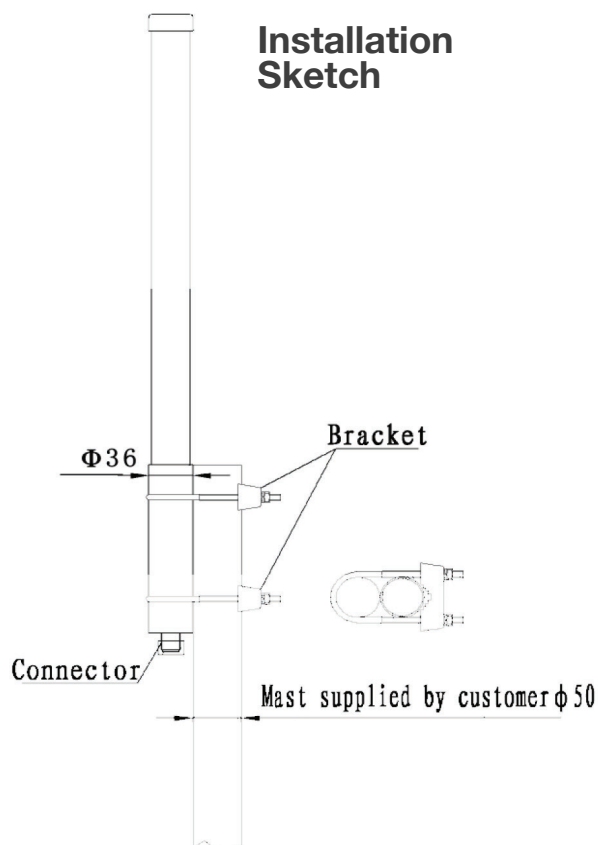
- GSM system
- 885-960MHz band
- Point to multi-point communication



Specification

Model	ANT-282
Freq.Range-MHz	885 to 960
Gain-dBi	9
Vertical Beamwidth-°	13
VSWR	≤1.5
Impedance-Ω	50
Polarization	Vertical
Max.Power-W	100
Connector	N Female
Dimension-m	1.65
Weight-Kg	1.2
Rated Wind Velocity-m/s	60
Mast Diameter-mm	φ 40 to φ 50

Installation Sketch



Performance of the Antenna at Normal Temperature

No.	Examination item	Requests of index	Units	Test results		Decide
1	Frequency range	885~960	MHz	885~960		Passed
2	Gain	9±1	dBi	885 MHz	8.75	Passed
				920 MHz	9.63	
				960 MHz	9.41	
3	VSWR	≤1.5	/	≤1.26（chart1）		Passed
4	Vertical Beam width	13	°	902 MHz	13.83	Passed
				915 MHz	13.33	
				928 MHz	13.29	
5	pattern	/	/	patterns		Passed
6	Polarization	Vertical	/	Vertical		Passed
Decide; Requests by the client , All specifications under test are passed.						

The VSWR at Normal Temperature

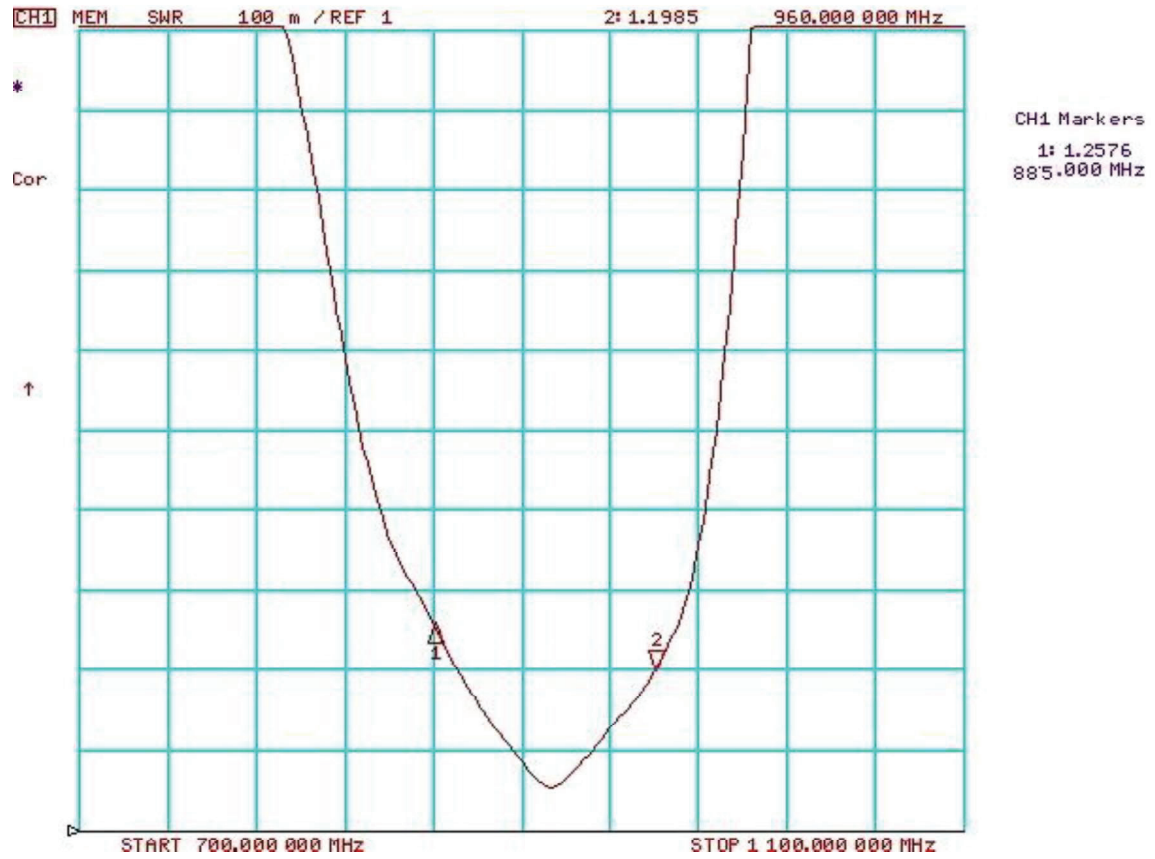
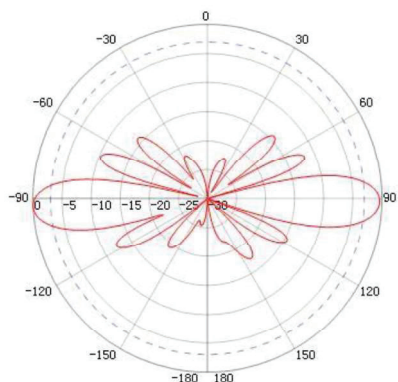
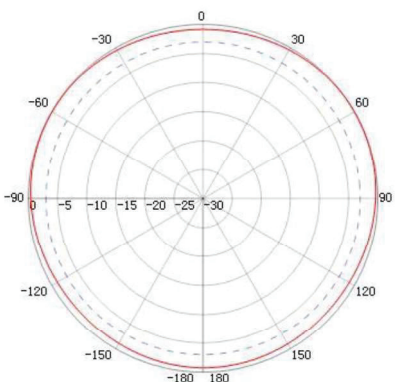
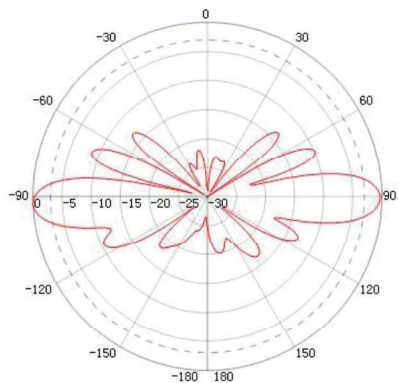
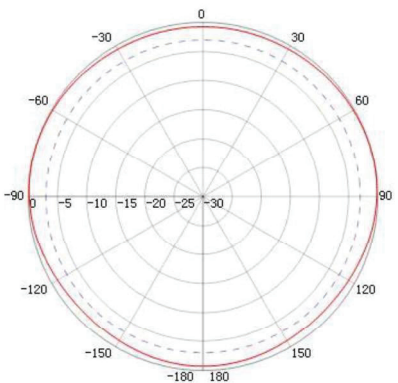
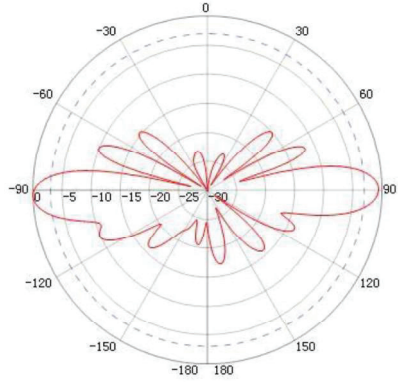
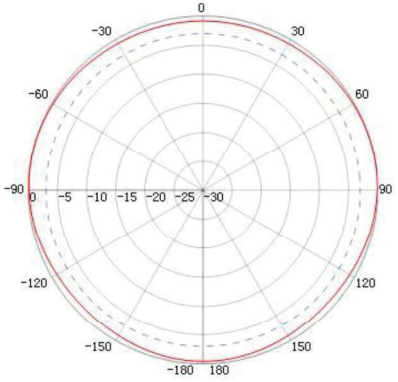


chart1

The Pattern at Normal Temperature

Freq	E Pattern	H Pattern
885MHz		
920MHz		
960MHz		

Devices been used

No.	Name	Model	Period of Validity
1	Test Systems	SG64	Within Effective Date
2	Standard Gain Antenna	SH-400	Within Effective Date