

# Omni-Directional GSM/3G/2.4/5.8G Antenna

## MODEL: TH-260A



### GENERAL DESCRIPTION

Model No	P/N
	TH-260A

Below is a table summarizing the antenna design specification.

#### 1.1 Electrical Properties

Parameter	Description
Frequency Band	GSM/3G: 824~960/1710~1990/1990~2170Mhz WIFI : 2.4~2.5 & 5.0~5.9Ghz Wimax : 2.3~2.7 & 3.3~3.8Ghz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.0:1
Antenna Average Gain	4~5 dBi
Note: Gain includes the cable loss	

#### 1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna

Touch Type	Screw Type
Connector Type	FME 180°(Female) or SMA-M
Antenna Dimensions	490 mm ± 5
Antenna Cable Total Length	RG-58 /U 5000 mm ± 20
Antenna Color	Black
Operating Temperature Range	-30°C~+80°C
Storage Temperature Range	-30°C~+80°C

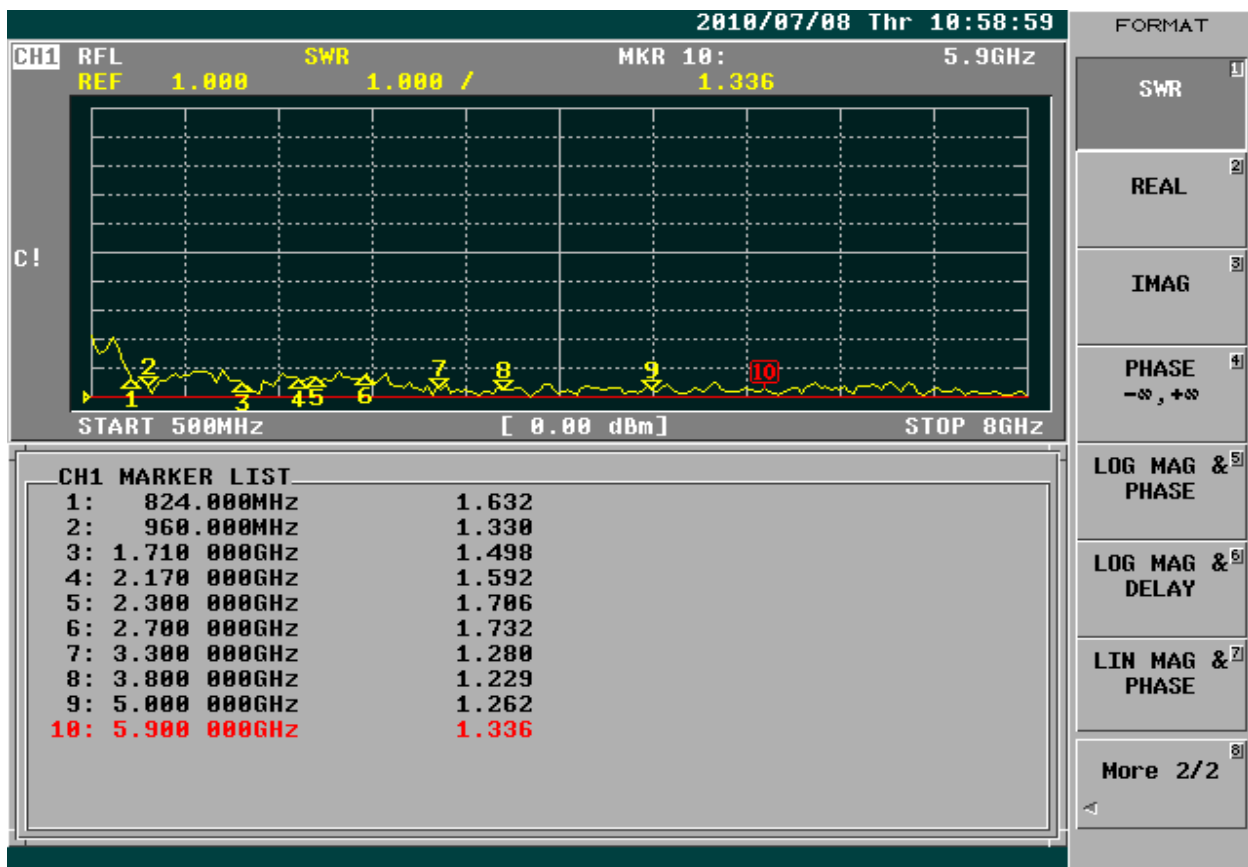
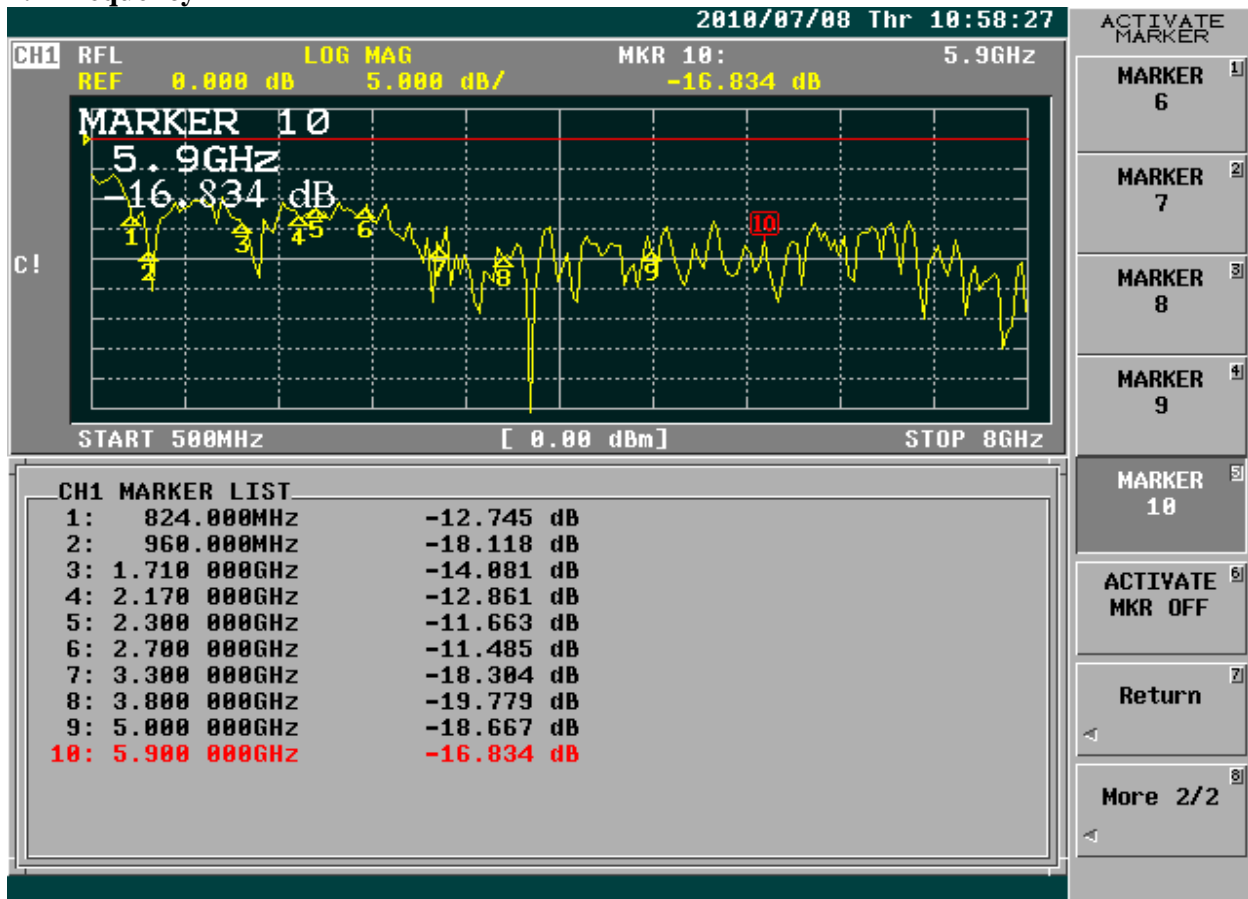
### 1. Appearance

NO.	NAME	FINISH	Q. TY
01	Plug cap	Black	01
02	Tubing plastic	Black	01
03	Fixed set	Nickel plating	01
04	Piece clamping	Gray	01
05	Claw washer	Nickel plating	01
06	Hexagonal nut	Nickel plating	01
07	RG-58 A/U Cable	Black	01
08	FME 180°(Female)	Nickel plating	01
09	Heat-shrink tube	Black	01

FREQUENCY: 824-960/1710-1990/1990-2170Mhz.

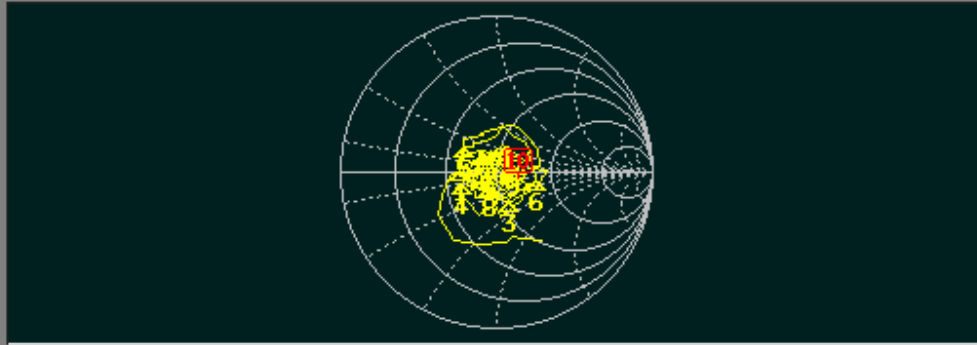
 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
						M/M		20090205
	TOLERANCE	X. XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	S VV	APPEARANCE					

## 2. Frequency



CH1 RFL SMITH(R+jX) MKR 10: 5.9GHZ  
 FS 1.000 66.144 Ω -4.238 Ω

C!



START 500MHz [ 0.00 dBm] STOP 8GHz

CH1 MARKER LIST

1:	824.000MHz	30.964 Ω	952.897mΩ	184.051pH
2:	960.000MHz	41.020 Ω	9.045 Ω	1.499nH
3:	1.710 000GHz	53.509 Ω	-20.342 Ω	4.575pF
4:	2.170 000GHz	32.204 Ω	-4.240 Ω	17.296pF
5:	2.300 000GHz	31.544 Ω	10.903 Ω	754.520pH
6:	2.700 000GHz	83.701 Ω	-9.974 Ω	5.909pF
7:	3.300 000GHz	44.320 Ω	10.224 Ω	493.126pH
8:	3.800 000GHz	44.299 Ω	-7.885 Ω	5.311pF
9:	5.000 000GHz	60.925 Ω	6.733 Ω	214.338pH
10:	5.900 000GHz	66.144 Ω	-4.238 Ω	6.363pF

FORMAT

LOG MAG

PHASE

DELAY

SMITH  
(R+jX)

SMITH  
(G+jB)

POLAR

LIN MAG

More 1/2