

# Five Band GSM with WIFI Antenna

## MODEL: GAF-5-GSM/WIFI

This document provides a five-band GSM + Wireless Antenna design;



### 1. GENERAL DESCRIPTION

Model No	P/N
	GAF-5-GSM/WIFI

Below is a table summarizing the antenna design specification.

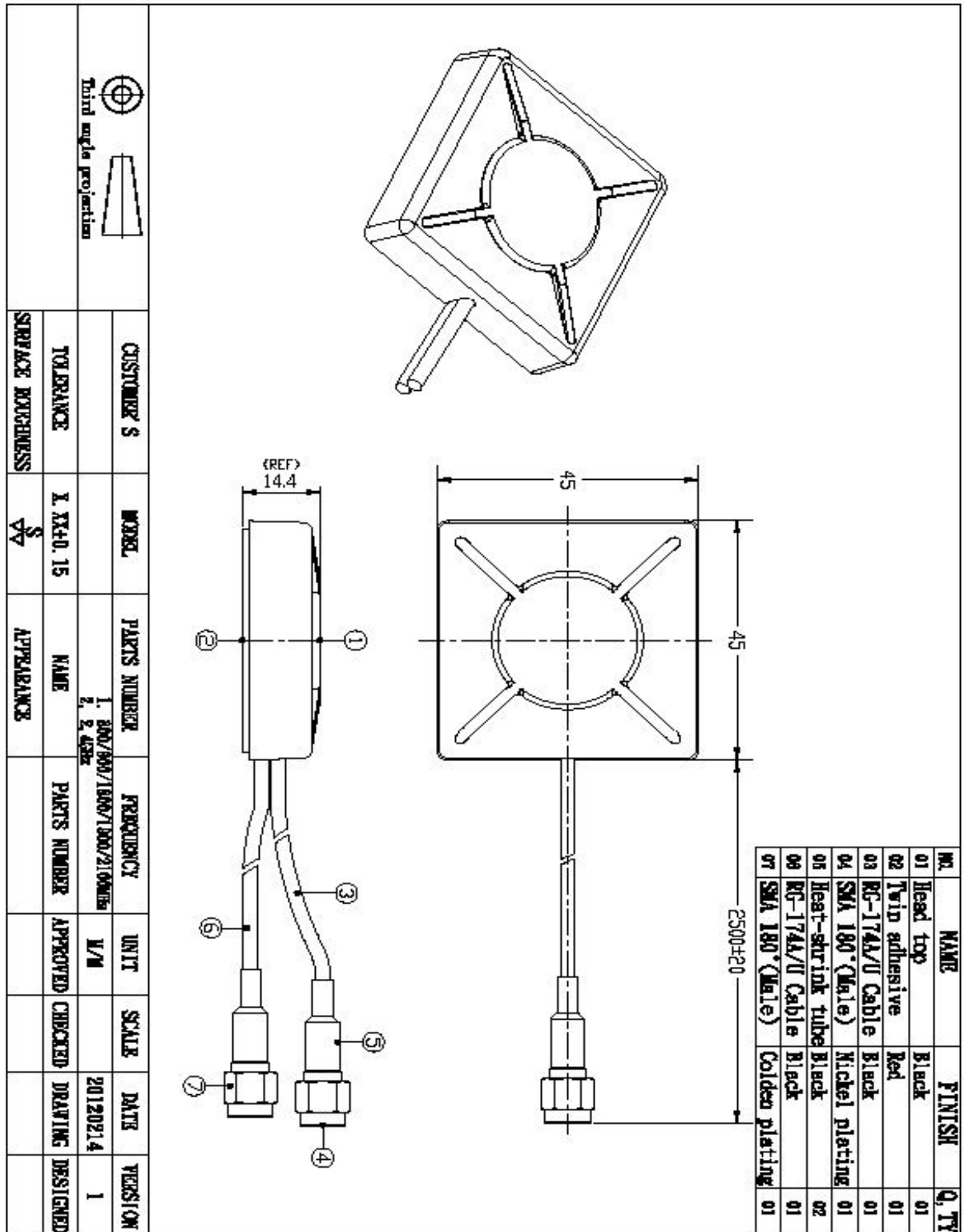
#### 1.1 Electrical Properties

Parameter	Description	
Frequency Band	824~960/1710~2170MHz	2.4~2.5Ghz
Nominal Impedance	50 ohm	
Polarization	Vertical	
Electrical Wave	Dipole	
V.S.W.R	2.0:1	
Antenna Average Gain	0~5.0dBi	1.5db
Note: Gain includes the cable loss		

#### 1.2 Mechanical Properties

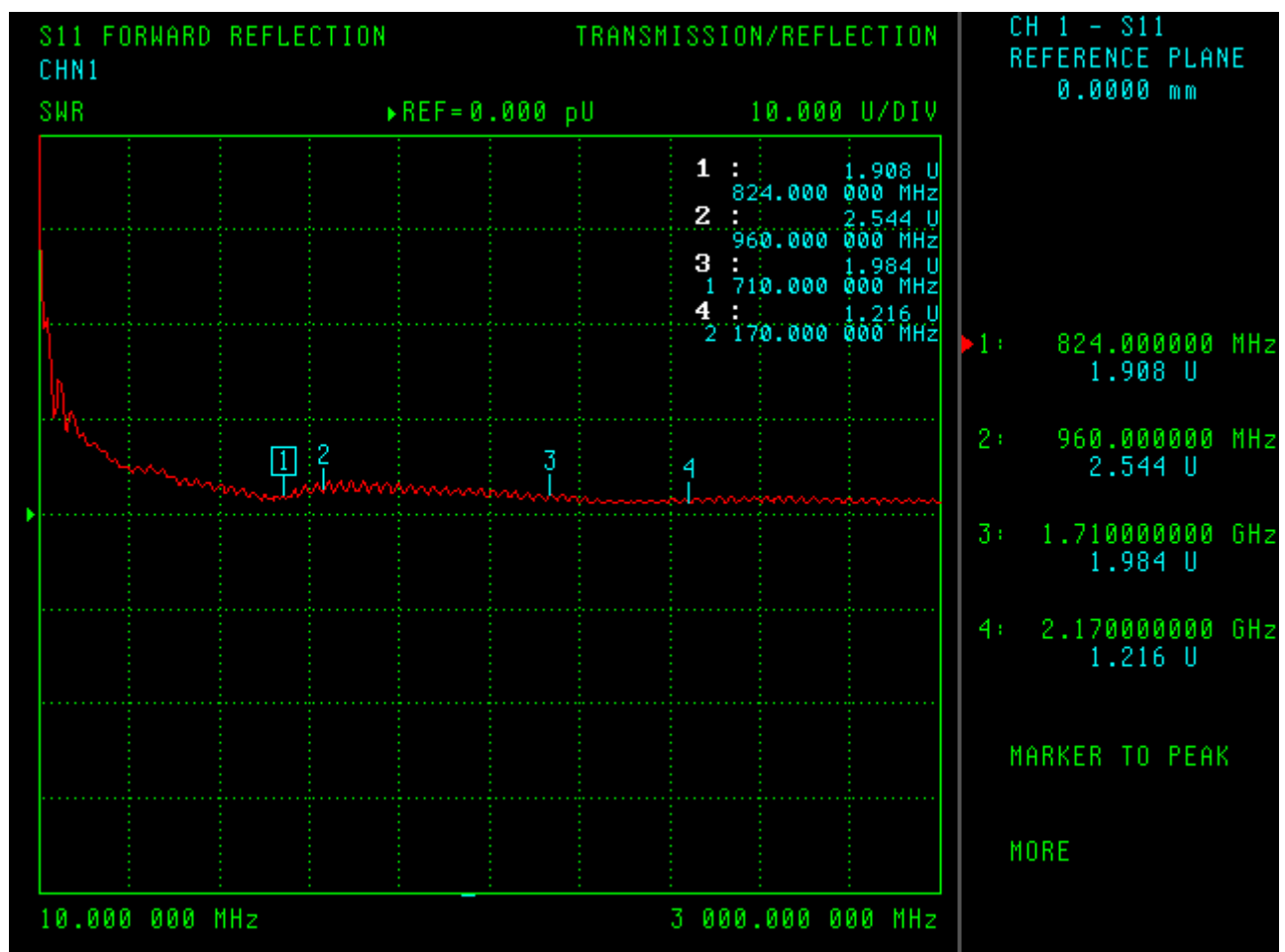
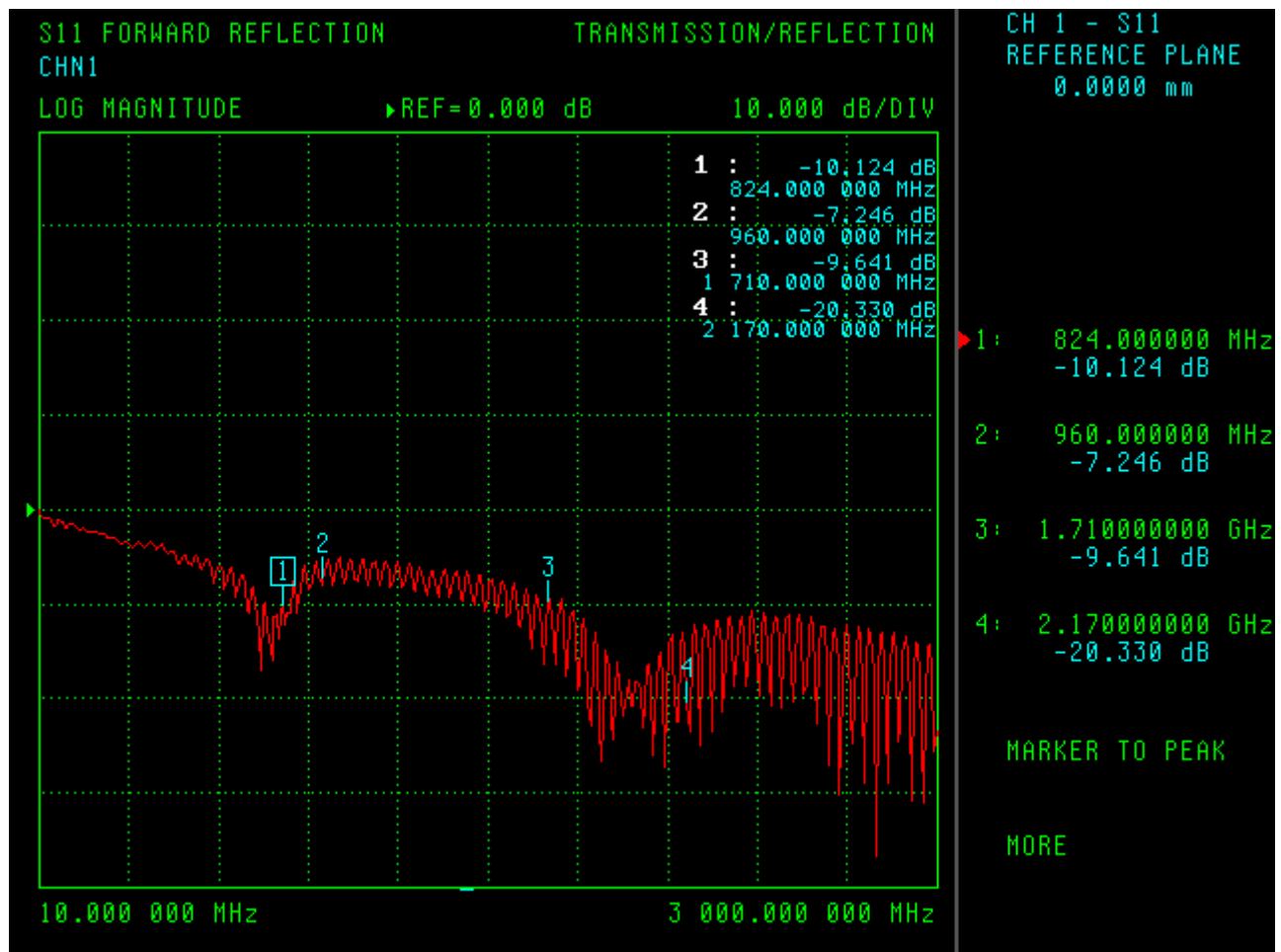
Parameter	Description
Antenna Material	ABS
Connector Type	SMA 180° male

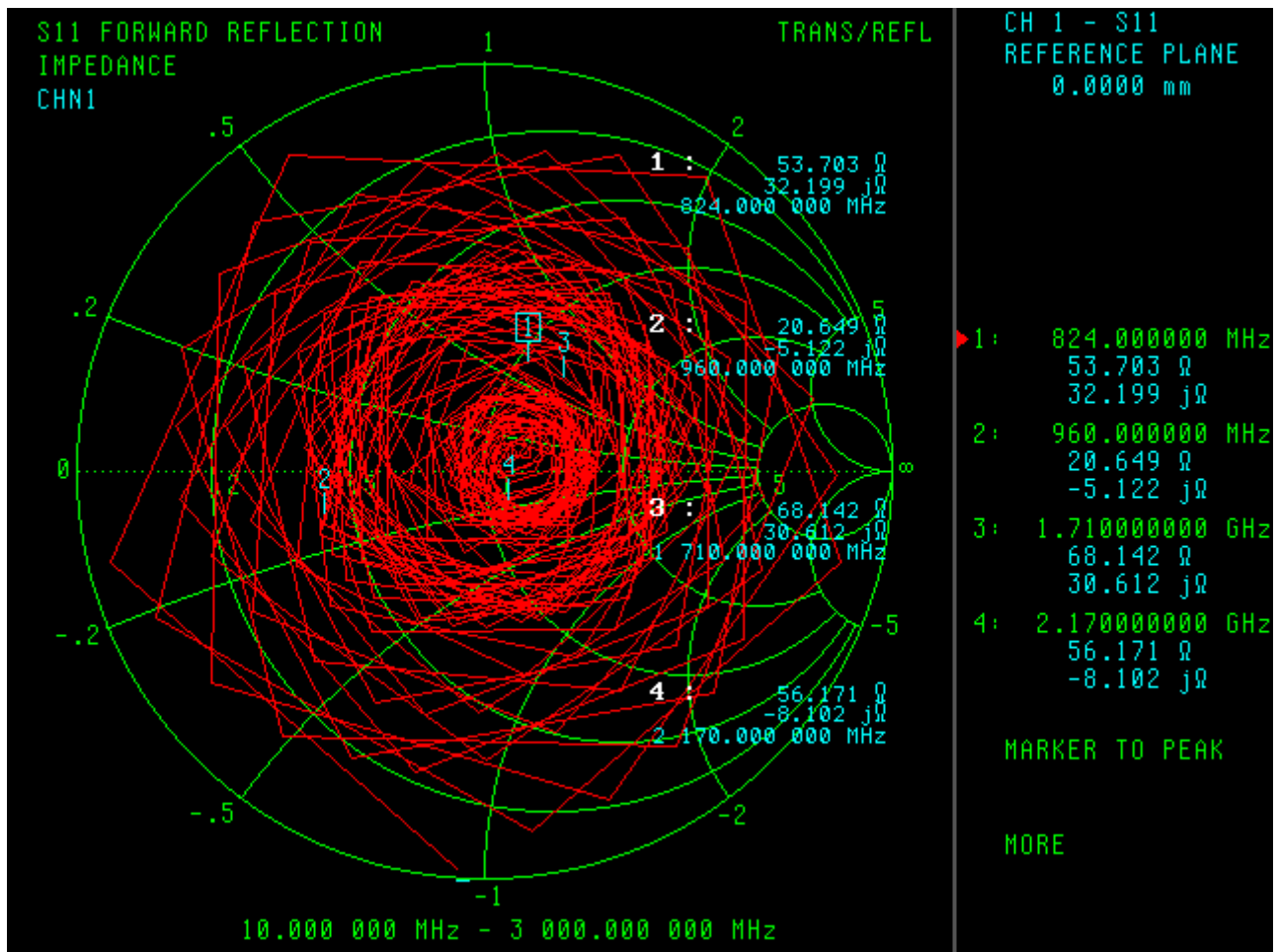
Antenna Dimensions	45 x 45 mm
Antenna Cable Total Length	2500mm ± 20 x 2
Antenna Color	Black
Operating Temperature Range	-20°C~+60°C
Storage Temperature Range	-30°C~+70°C



 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
	TOLERANCE	1. XXX.15	NAME	1. 800/800/1000/1000/2100MHz 2. 2.4GHz	U/M		20120214	1
SURFACE ROUGHNESS	$\frac{S}{\sqrt{R}}$	APPEARANCE						

GSM:





WIFI :

