



INTRODUCTION

1. GENERAL DESCRIPTION

Model No	Part No
	1GB-240805A1/1GB-240805A1W

Below is a table summarizing the antenna design specification.

1.1 Electrical Datasheet

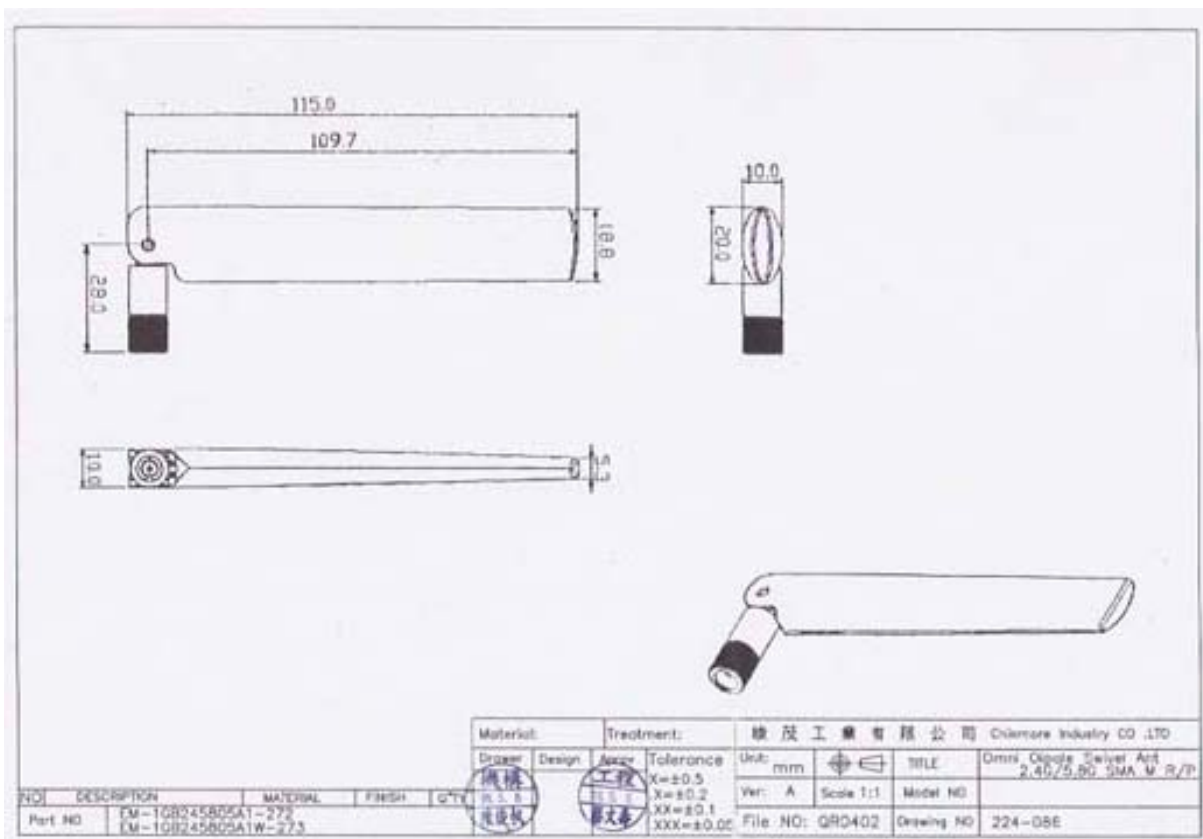
Parameter	Description
Frequency Band	2.4~5.8 GHz
Nominal Impedance	50 ohm
Polarization	Linear , Vertical
V.S.W.R	<2.0
Gain	3dBi/5dBi
Connector	SMA M R/P
Cable	RG178

1.2 Mechanical Datasheet

Parameter	Description
Mounting	SMA connection
Color	Black/White
Temperature	-40 to +60 deg.C



2. Appearance



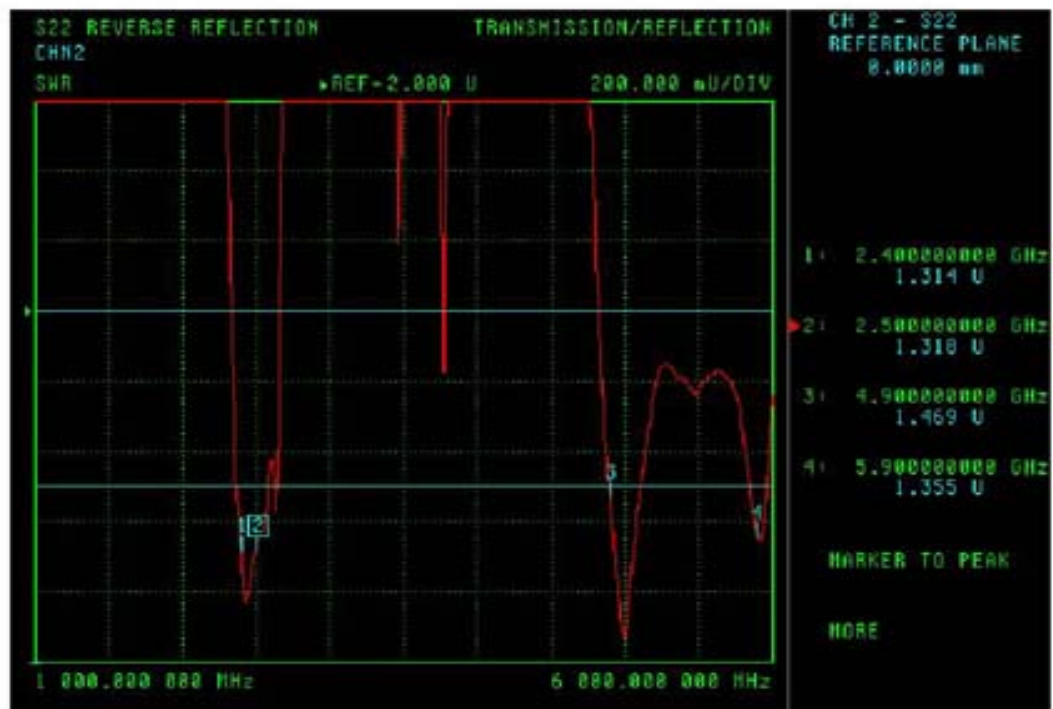


3. Frequency

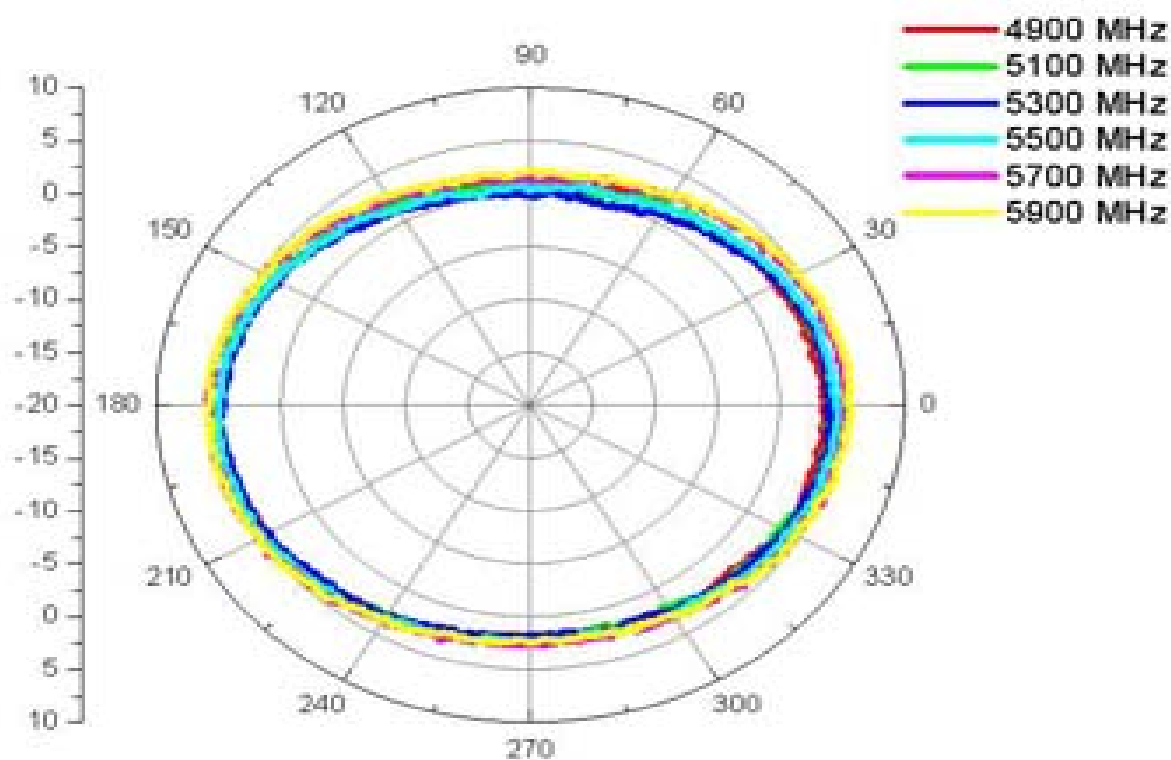
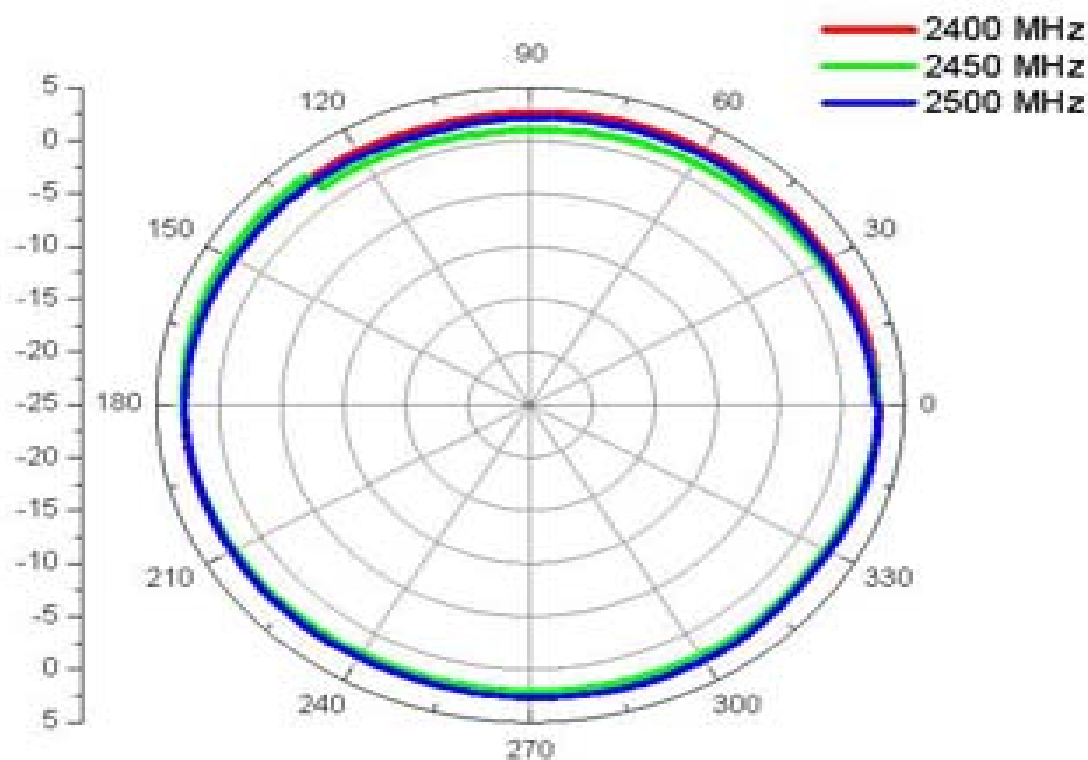
Gain Value Diagram

Frequency (MHz)	2400	2450	2500	4900	5100	5300	5500	5700	5900
H-Plane Peak Gain (dBi)	3.1	3.2	3.1	5.1	5.0	5.0	5.3	5.9	5.9
H-Plane Avg. Gain (dBi)	2.6	2.2	2.5	3.0	3.1	2.9	3.3	4.0	4.1
V-Plane Peak Gain (dBi)	4.5	4.8	4.5	5.1	4.8	5.1	5.3	6.2	6.2

VSWR Diagram



Radiation Pattern Diagram H-Plane



Radiation Pattern Diagram V-Plane

