

SPECIFICATION

Specification No : GW.59

Part No. : **GW.59.3153**

Product Name : 2.4GHz/5.1~5.8GHz 3dBi Screw mount Dipole Antenna

Description : RP-SMA Male Straight Connector

Hinged

TPU Housing Length 156mm ROHS Compliant





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1.0 Introduction

The GW.59 dipole RP-SMA plug mount antenna is ideal for 2.4GHz/5.8GHz wireless applications such as Bluetooth and Wireless LAN. At 156mm in length omni-directional 3dBi gain across all bands ensures constant reception and transmission. The antenna structure is designed for robust handling and the housing is made with TPU giving superior environmental reliability and a quality finish. The antenna can be rotated 90 degrees on the base hinge for ease of placement.

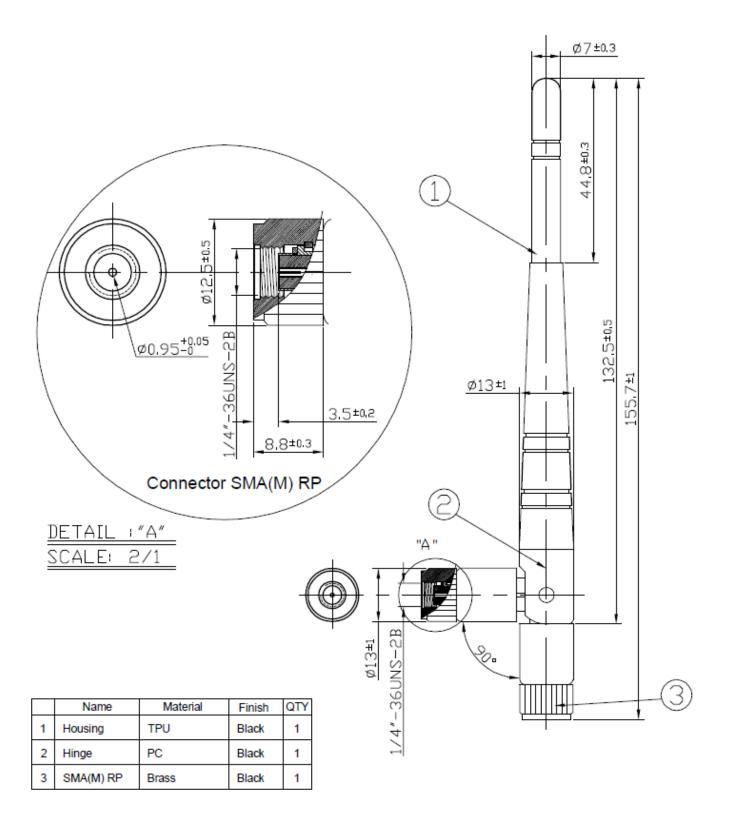
2.0 Electrical Properties

1.1	Frequency	2.4GHz & 5.1~5.8GHz
1.2	Gain (peak)	3dBi
		2.4GHz – 2.0 Max
1.3	V.S.W.R	5.1~5.8GHz - 3.0 Max
1.4	Return Loss	- 10 dB Maximum
1.4	Radiation	Omni-directional
1.6	Polarization	Linear Vertical
1.7	Power Handling	1W

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3.0 Outline Drawings and Structure



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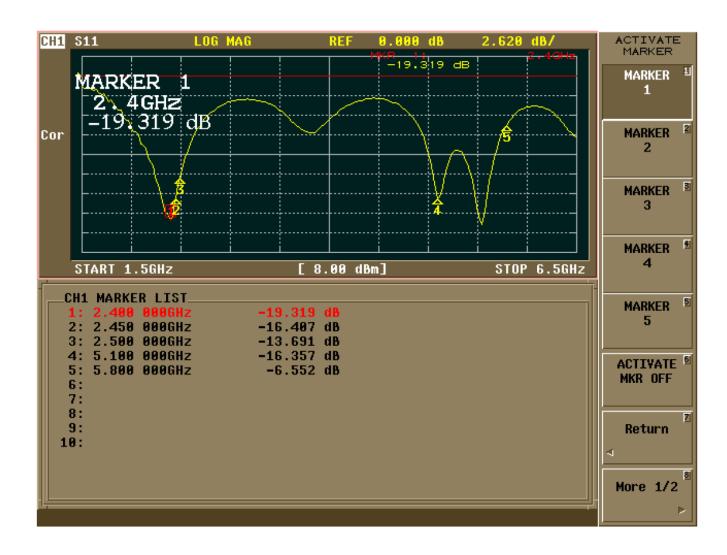
4.0Measurements

4.1 VSWR and Return Loss (S11 Mag.)



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