

Antenna Report

Product Name: MS-631

Manufacture: Dingnan Jinpeng Electronic Co., LTD

Address: Jinpeng Industrial Park, Futian Industrial Park, Dingnan County,
Ganzhou City, Jiangxi Province

Antenna Type: PCB antenna

Antenna Size: 13mm*6mm

Project Engineer: Issac

Test Standards: ANSI/IEEE Std 149-2021

Test software being used: Emquest

Software Version: 1.13

Test Result: PASS

Issued Date: 2024-09-30

Name	Parameter	Method	Standard no.
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149- 2021

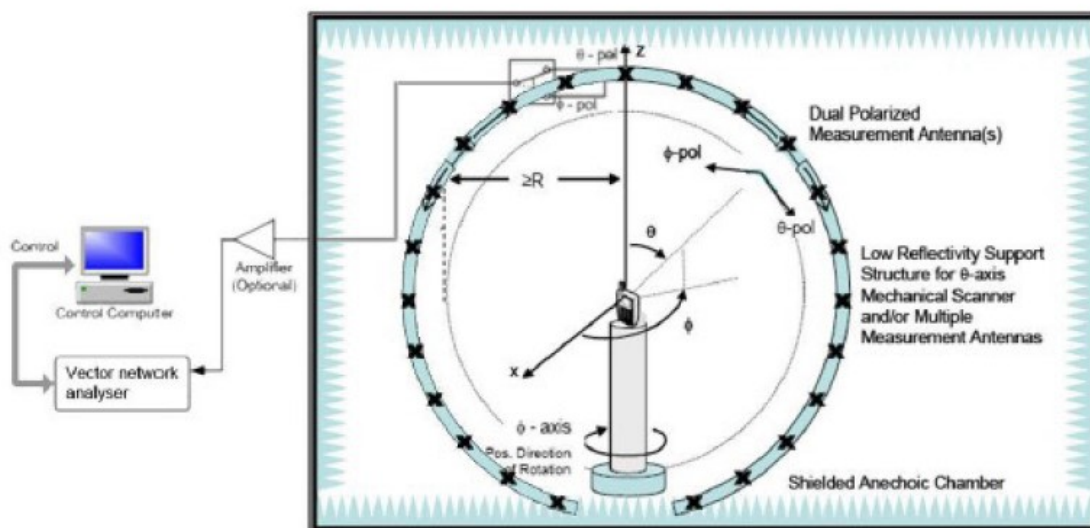
Equipment	Manufacturer	Mode No	Serial No	Cal date	Cal Due
Network Analyzer	Agilent	E5071B	MY48360957	2021/5/20	2022/5/19
Quad-Ridge Horn Antenna	ETS	Apr-64	62743	2021/5/20	2022/5/19
700 MHz-6 GHz	ETS	7006	59957	2021/12/17	2022/12/16
MAPS Controller					
Switch Control System	ETS	7001	MY42001152	2021/12/17	2022/12/16

2 Test Temperature and Humidity

Temperature: 23.2°C

Humidity: 65%

Test Setup

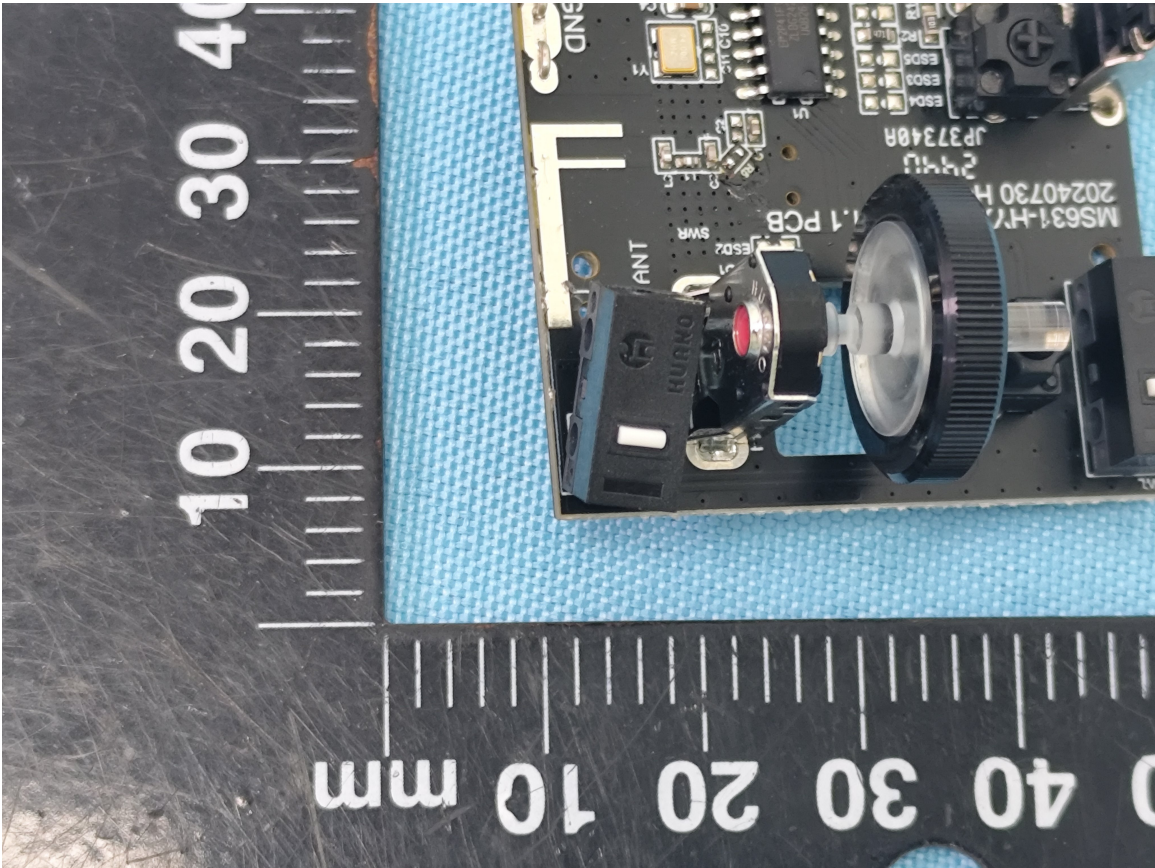


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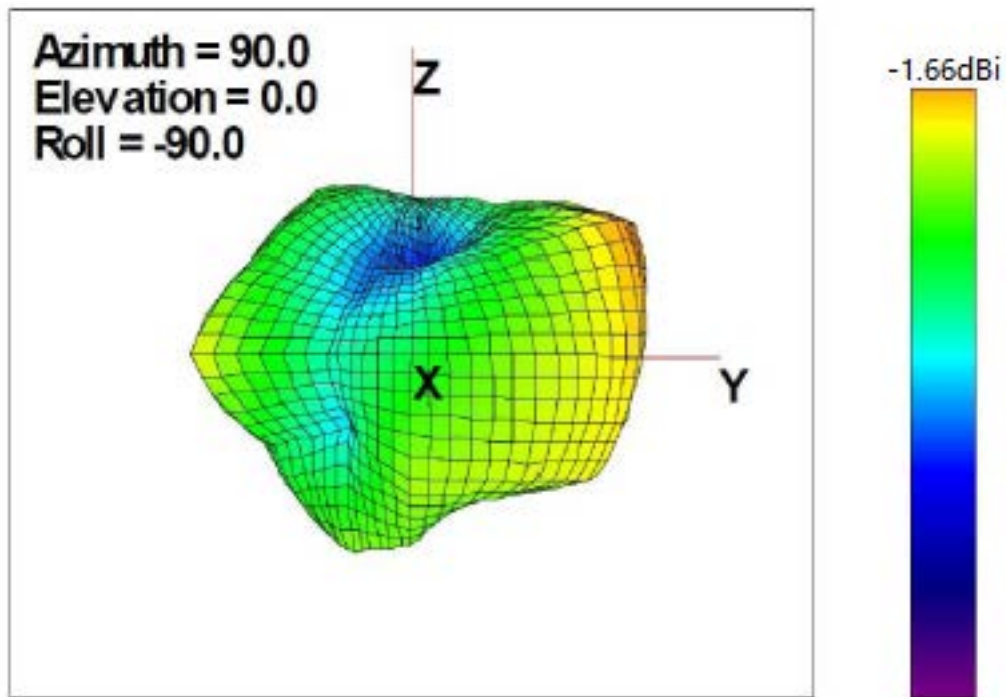
Specifications

Summary	ITEM	SPEC
	Model Name	MS-631
	Center Frequency	2402MHz -2.64dBi
		2440MHz -1.89dBi
		2480MHz -1.66dBi
	MAX. GAIN	-1.66 dBi
	Polarization	Horizontal
	Azimuth Beam Pattern	Omni directional
	Impedance	50Ω



3. Main antenna : 2480MHz

2.1 Horizontal



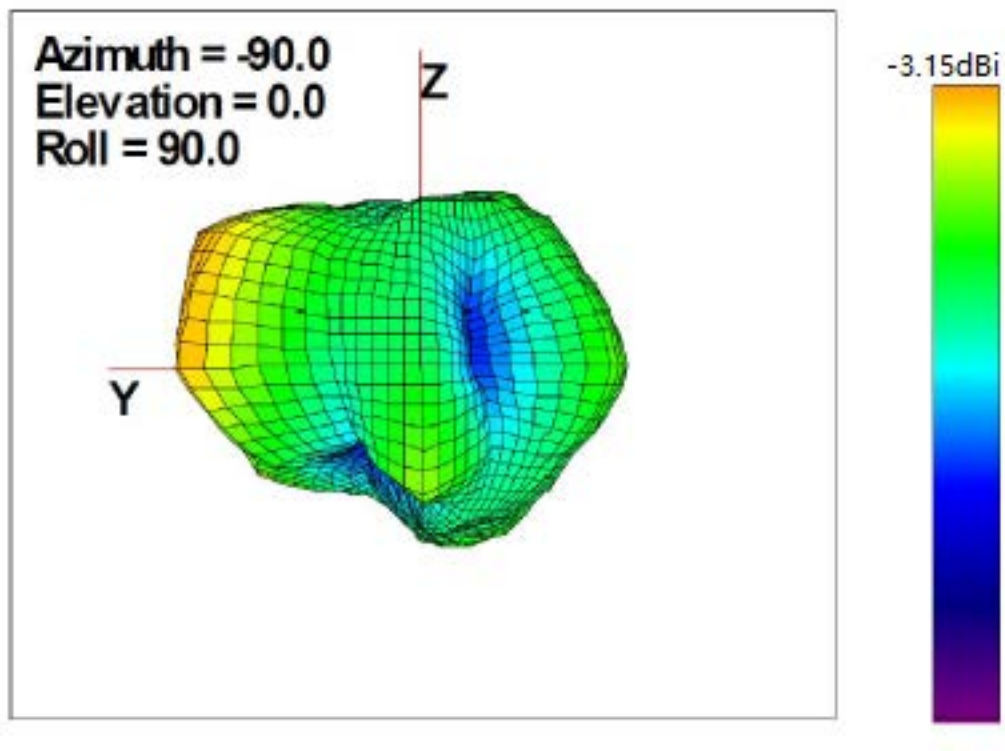
Frequency (MHz): 2480 Antenna Polarity: Horizontal

Maximum Value (dBi) : -1.66

Average Gain (dBi) : - 7.99

Minimum Gain (dBi) : - 24.74

2.2 Vertical



Frequency (MHz) : 2480 Antenna Polarity: Vertical

Maximum Value (dBi): -3.15

Average Gain (dBi): - 10.56

Minimum Gain (dBi): - 29.48

ANNEX C TEST SETUP PHOTO

