



Specification

CUSTOMER:

CUSTOMER P/N:

DESCRIPTION:

Antenna

P/N:

U-230

PART NO:

; V1.0

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2019. 07. 29	2019. 07. 29	2019. 07. 29

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1. Electrical Performance

A.Electrical Characteristics	
S.W.R	<2.0@550-570MHz
Frequency Range(MHz)	650-670MHz
Impedance	50 Ohm
Gain	MAX: -2.71dBi@650-670MHz
B.Material	
Phosphorus copper nickel plating	
C.Environmental	
Operation Temperature	-20℃~65℃
Storage Temperature	

2. Measurement Setup

(1) Reflection coefficient Measurement:

(a) **Instrument:** Network Analyzer

(b) Setup:

(I) Calibrate the Network Analyzer by one port calibration using Agilent calibration kits.

(II) Connect the antenna under test to the Network Analyzer

(III) Measure the S11 (reflection coefficient) shown in Fig.1

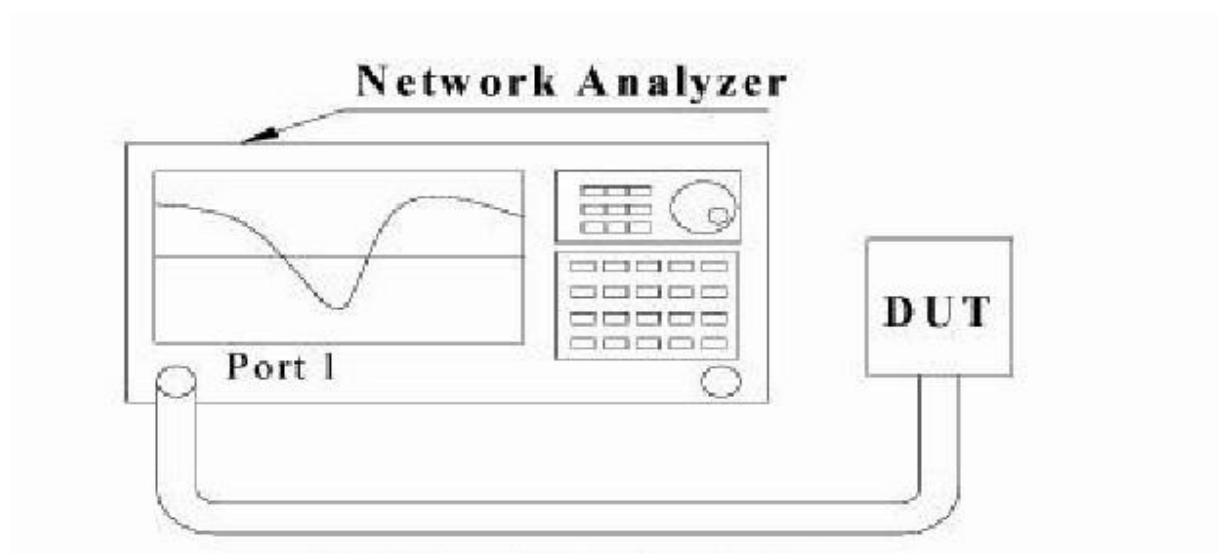


Fig.1 Measure S11 on Network Analyze



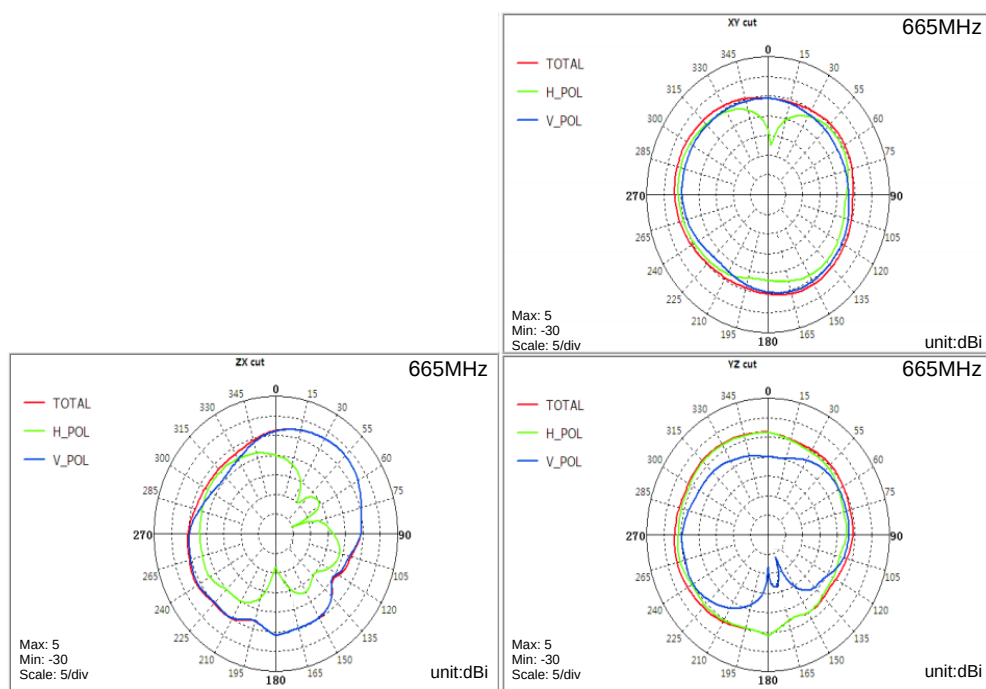
天线增益与效率

Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
650 MHz	15.67	-3.19
655 MHz	14.83	-3.17
660 MHz	14.14	-3.24
663 MHz	16.41	-2.83
664 MHz	18.13	-2.89
665 MHz	15.75	-2.71
666 MHz	13.69	-3.41
667 MHz	11.57	-4.23
668 MHz	10.37	-4.89
669 MHz	9.25	-5.34
670 MHz	8.74	-5.63

天线辐射方向图

Antenna Radiation Pattern



3. Mechanical Dimension Drawing

