



WSS007 IP65 Series---2.4GHz Swivel Type

1. Electrical Properties

Item	Property
Frequency Range	2.4~2.4835 GHz
Impedance	50Ω
VSWR (see Fig. 1)	2.0 max
Return Loss (see Fig 2)	-10dB max
Gain (see Fig 3, Fig 4)	5 dBi (Typ.)
Polarization	Linear
Radiation Pattern	Near omni-directional in the horizontal plane
Admitted Power	1 W
Electrical	1/2 λ Dipole

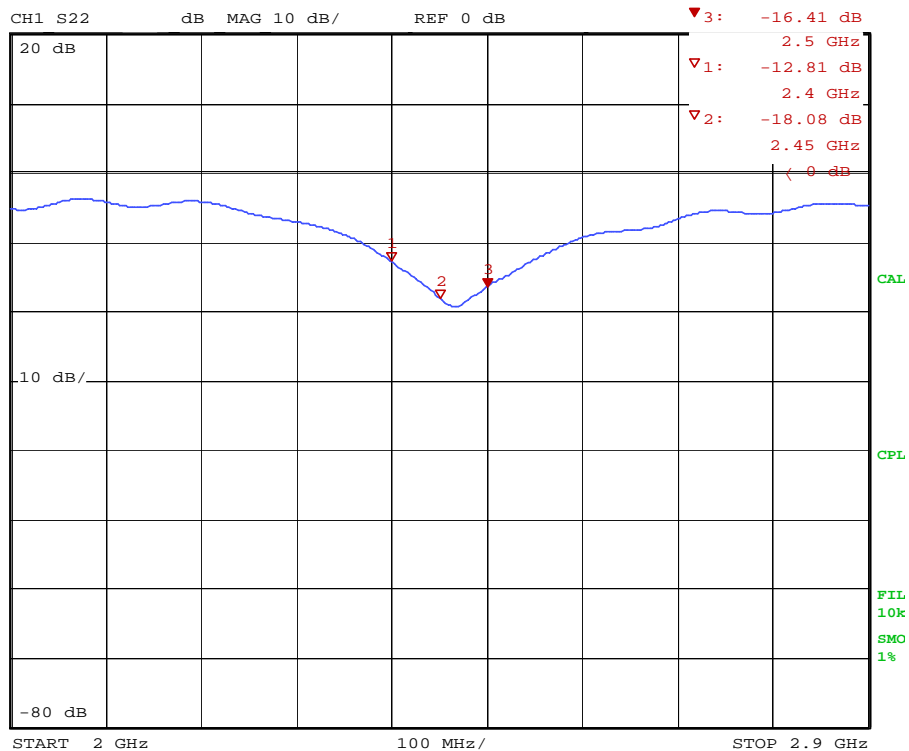


Fig 1 Return Loss For 2.4GHz

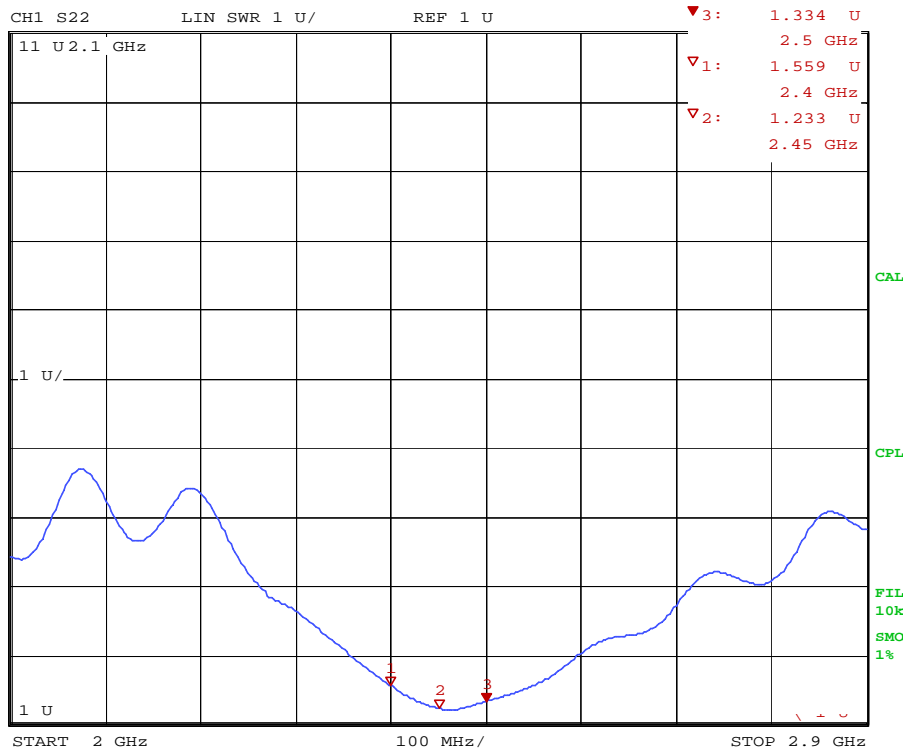
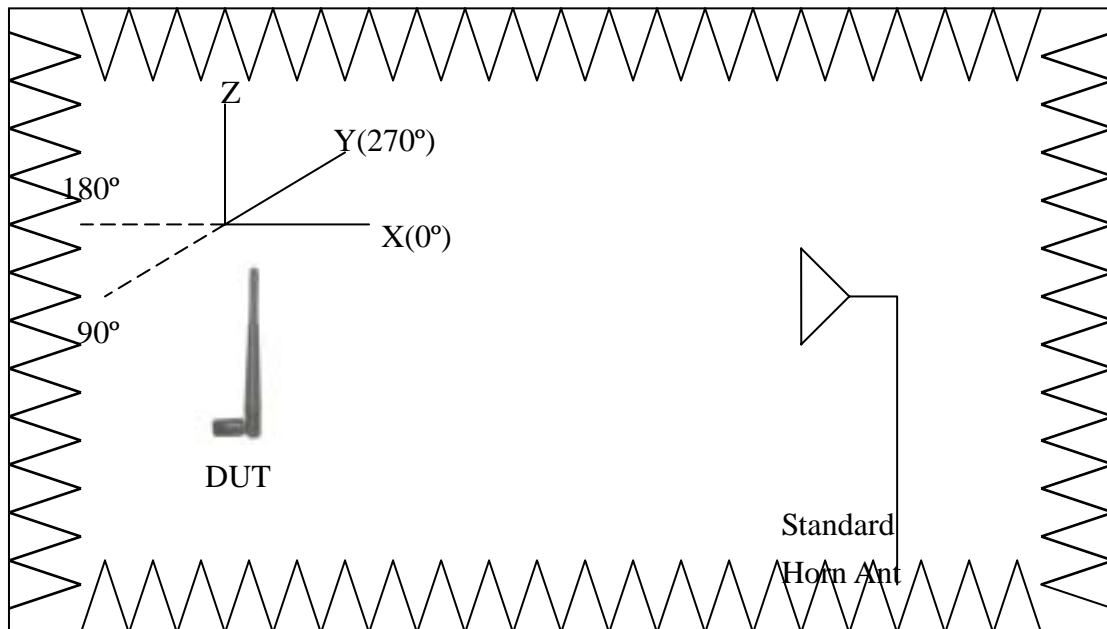
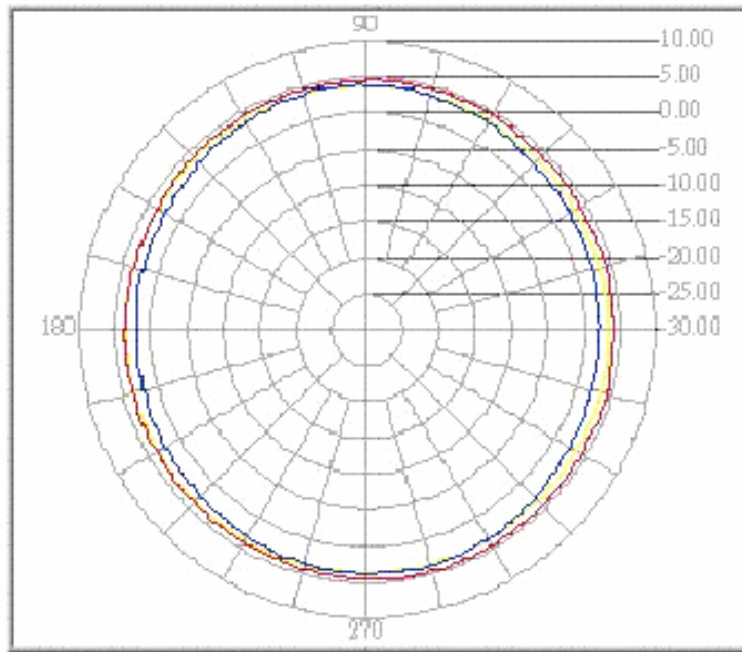


Fig 2 V.S.W.R For 2.4GHz

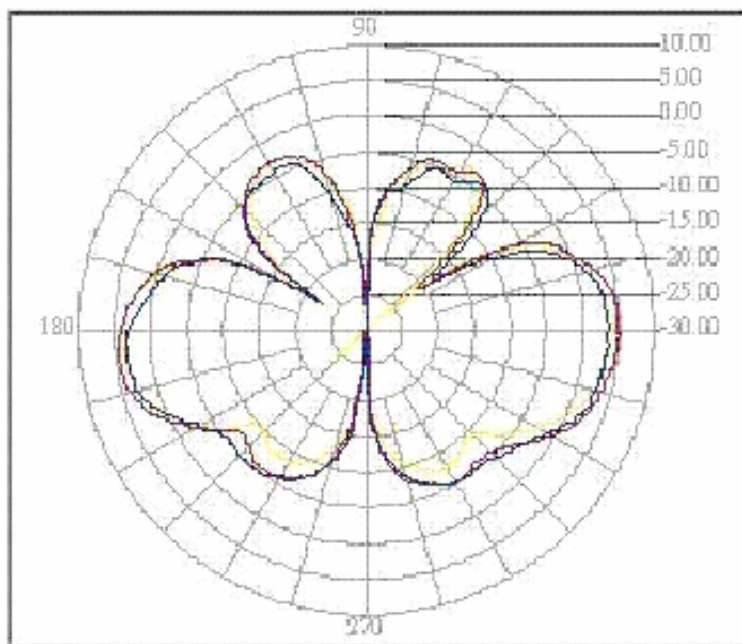


Measuring factors definition



Freq(MHz)	Avg(dBi)
2400.00	3.62
peak(dBi)	Angle(o)
4.03	97.76
Freq(MHz)	Avg(dBi)
2450.00	4.23
peak(dBi)	Angle(o)
4.78	279.49
Freq(MHz)	Avg(dBi)
2500.00	2.97
peak(dBi)	Angle(o)
4.13	92.01

Fig.3 H-Plane



Freq (MHz)	Avg(dBi)
2400.00	-6.84
peak(dBi)	Angle(o)
3.92	358.85
Freq (MHz)	Avg(dBi)
2450.00	-5.47
peak(dBi)	Angle(o)
4.98	3.45
Freq (MHz)	Avg(dBi)
2500.00	-5.91
peak(dBi)	Angle(o)
3.62	356.55

Fig.4 E-Plane

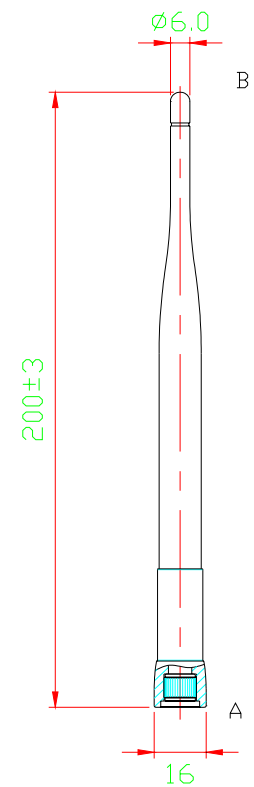
2. Mechanical Properties

Item	Property
Color	Black/Gray
Coaxial-Cable	RG-178
Plastic Cover	TPU
Antenna Base	PC
Connector	SMA/TNC/BNC

Operation Temperature: -20~+65°C

Storage Temperature: -20~+65°C

3. Physical Dimensions



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