Antenna

specification

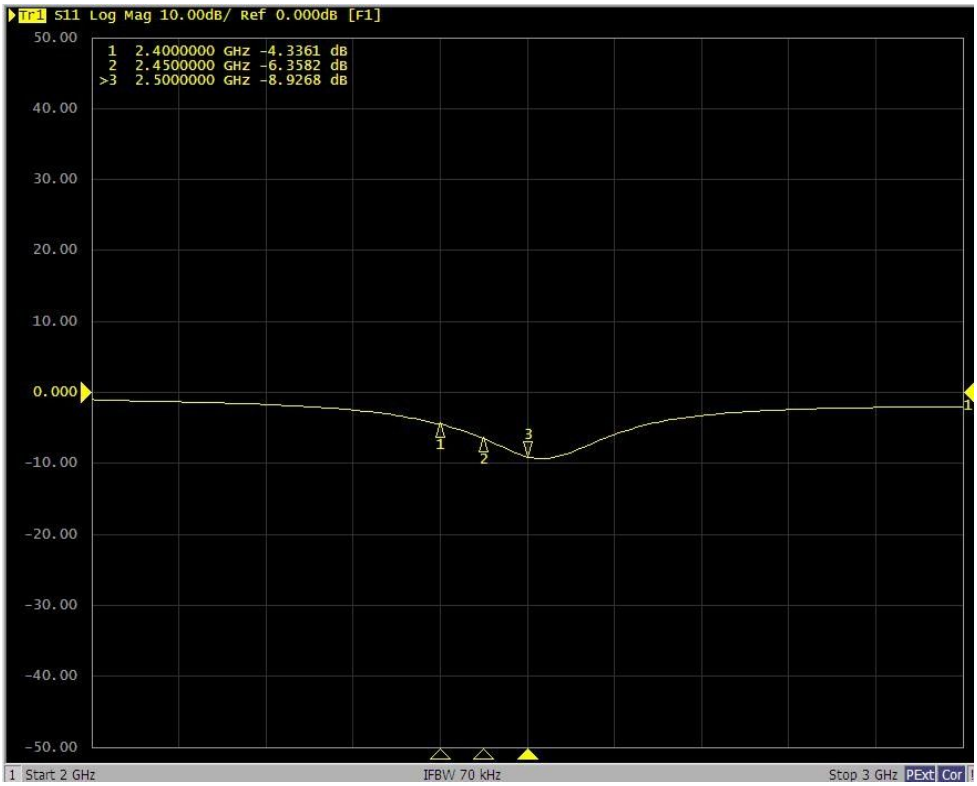
-RFsister

1. Electrical Characteristics

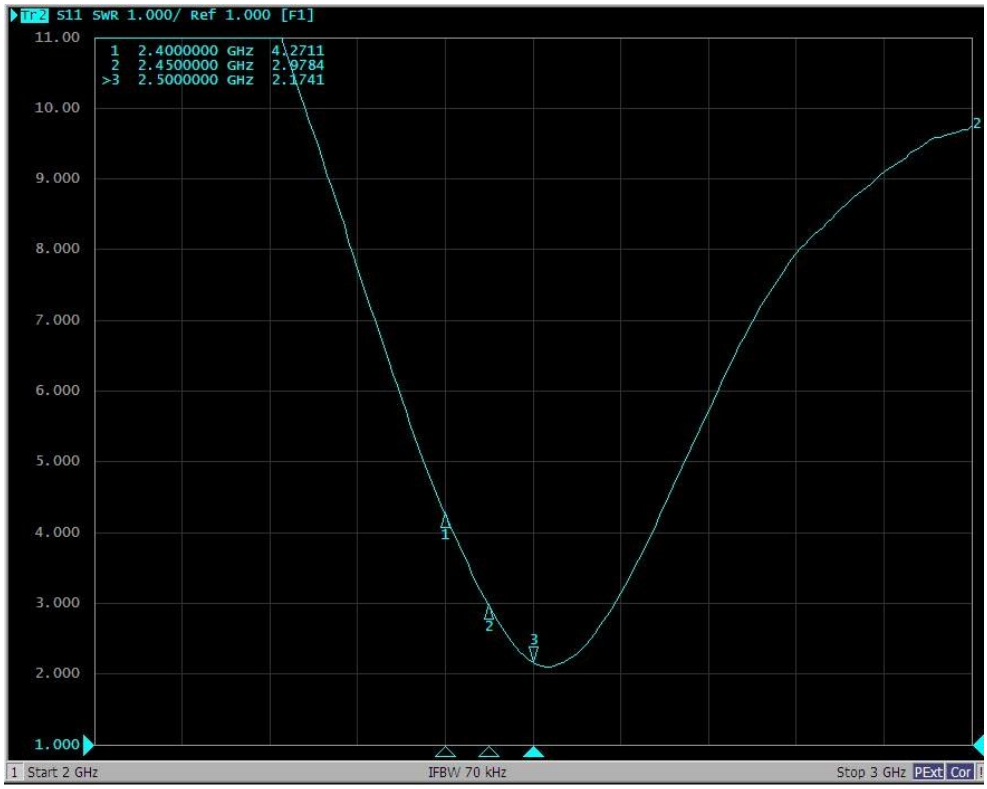
No.	Item	Specifications
1	Working Central Frequency	2450 MHz
2	Band Width	±75 MHz (2400～2500MHz)
3	Gain	−3. 68dbi
4	V.S.W.R (in BW)	≤4. 3
5	Polarization	Linear
6	Azimuth Beam width	Omni-directional
7	Impedance	50

2. Return Loss and Smith Chat

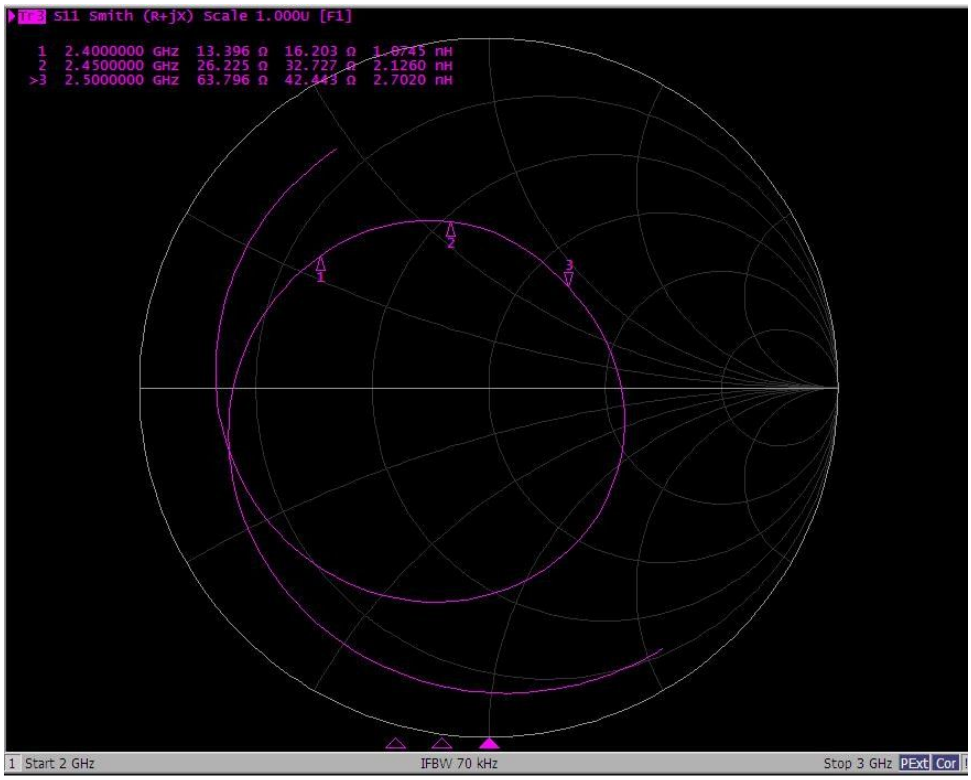
Return Loss



V.S.W.R



Smith Chat

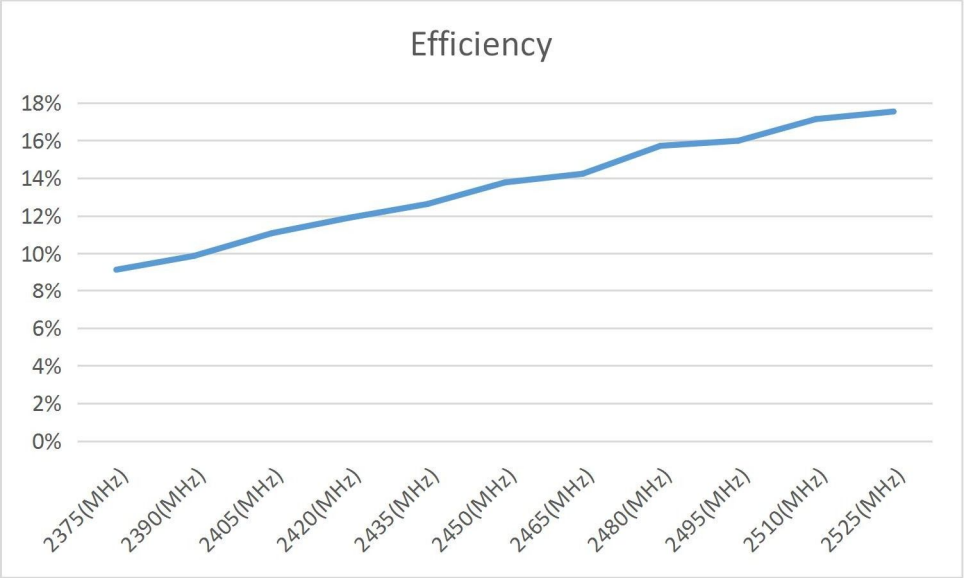


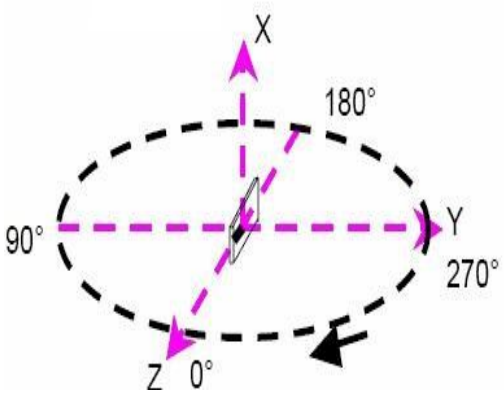
3. Physical Test Environment

E5071C

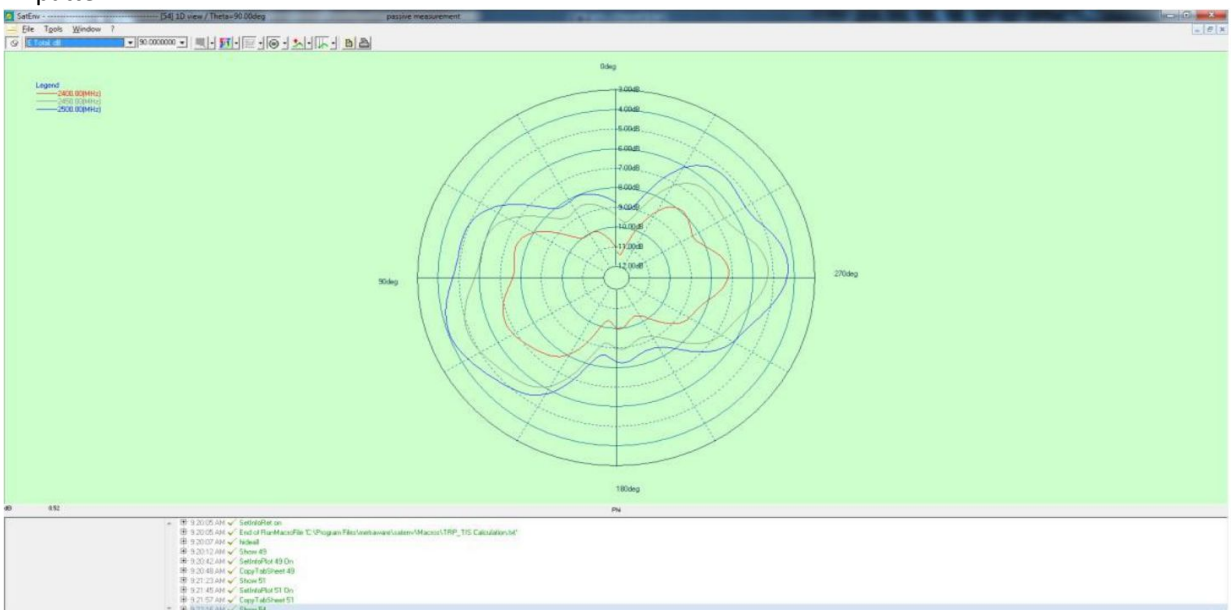
4. Shape of the antenna

Efficiency：

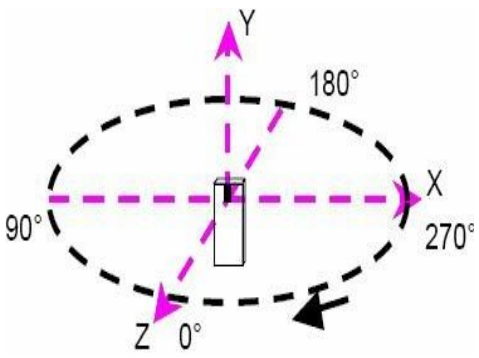




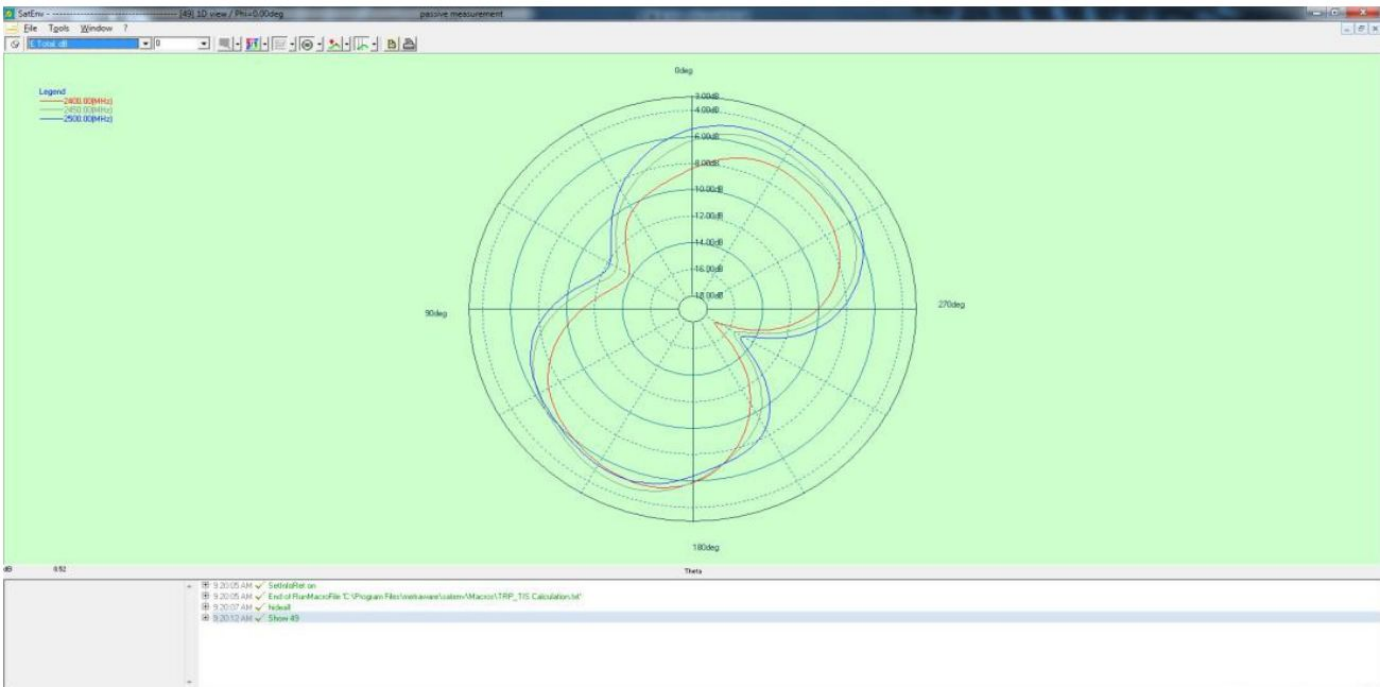
H pattern



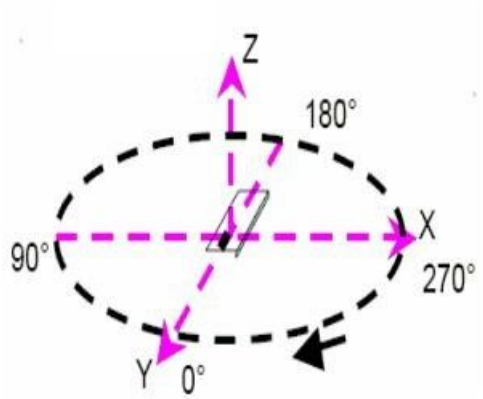
Fre(Mhz)	Max gain(dB)	Degree
2400(MHz)	-6.79 dB	114.00 deg
2450(MHz)	-4.92 dB	112.00 deg
2500(MHz)	-4.07 dB	108.00 deg



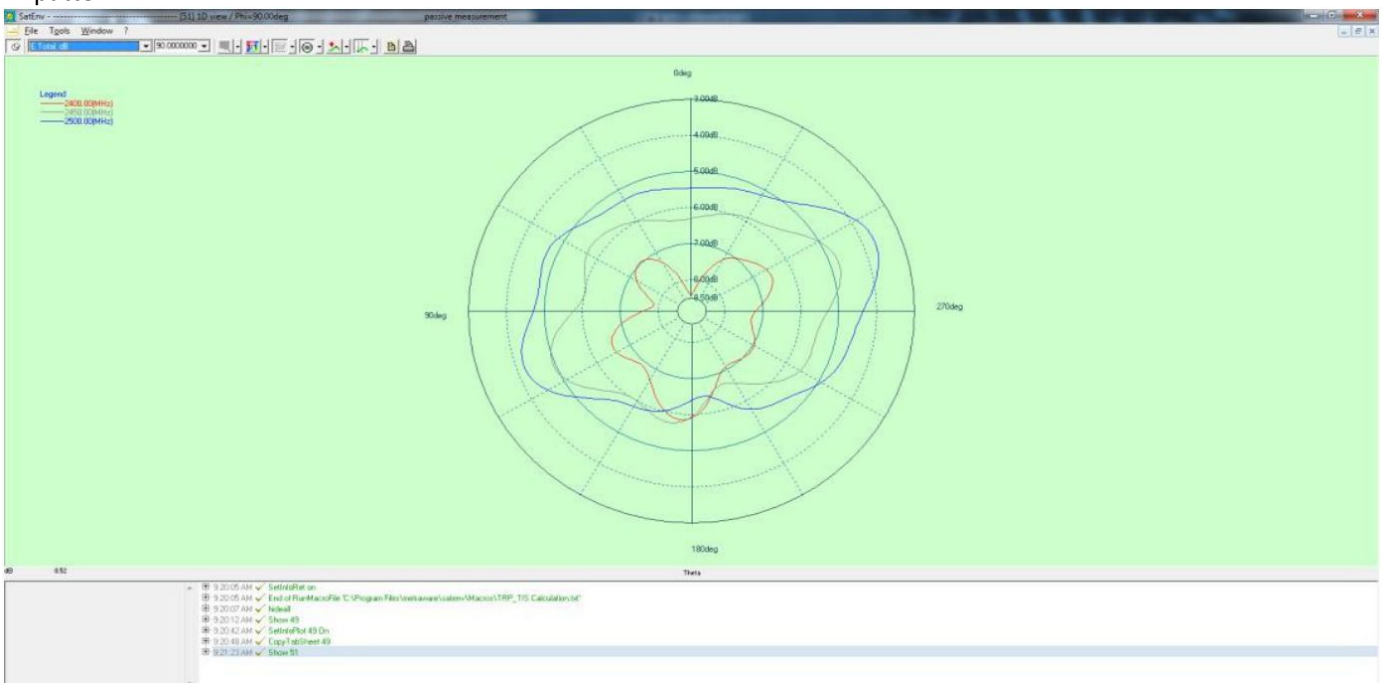
E1 pattern



Fre(Mhz)	Max gain(dB)	Degree
2400(MHz)	-5.29 dB	164.00 deg
2450(MHz)	-4.80 dB	160.00 deg
2500(MHz)	-4.87 dB	-20.00 deg



E2 pattern



Fre(Mhz)	Max gain(dB)	Degree
2400(MHz)	-5.86 dB	174.00 deg
2450(MHz)	-4.78 dB	-70.00 deg
2500(MHz)	-3.68 dB	-68.00 deg