

Day line sex can measuring

Shenzhen CHT Technology Co., Ltd.

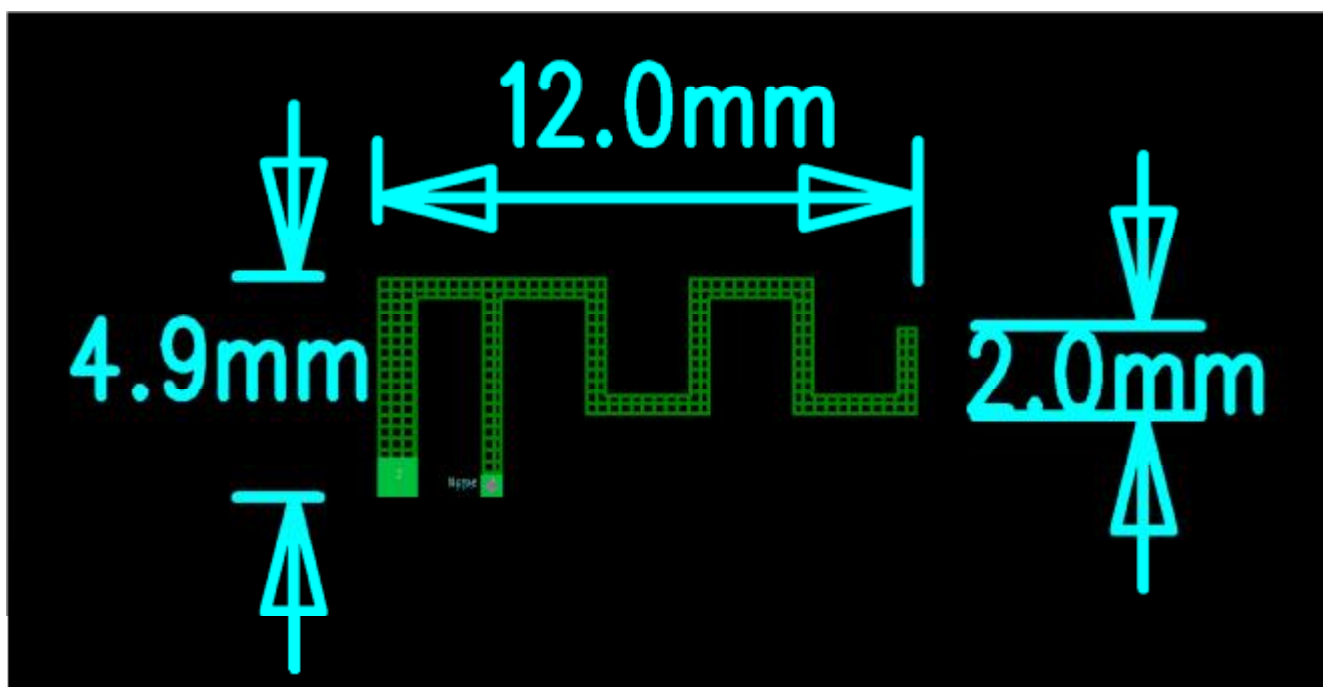
Address: Building 2, 3rd Floor, Block B, and Building 3, 3rd Floor,
Building 2, Songgang Section, Guangshen Road, Tantou Community,
Songgang Street, Bao'an District, Shenzhen City

Applications

※Bluetooth Home RF

※ISM band 2.4GHz applications

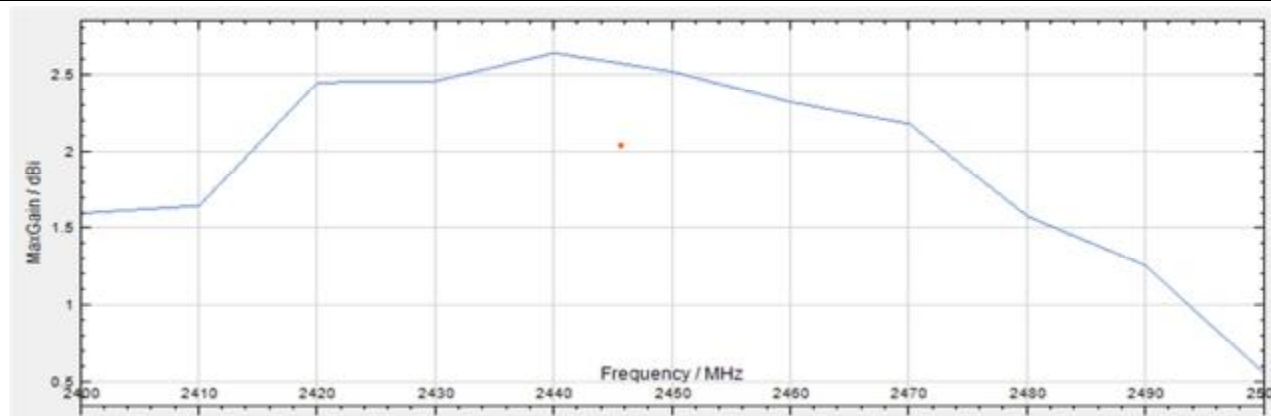
1. Dimensions

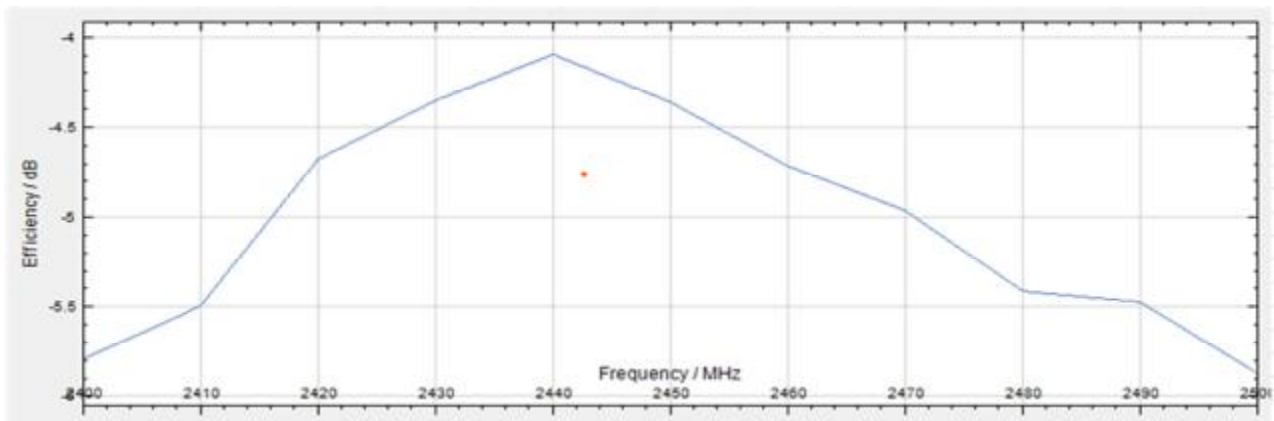


2.Specifications

number	Item	Specifications
1	Working Central Frequency	2441 MHz
2	Band Width	(2402-2480)MHz
3	Gain	2.64dBi
4	VSWR	≤ 2.0
5	Antenna type	PCB antenna
6	Azimuth Beam width	Omni - directional
7	Impedance	50 欧姆
8	Modulation mode	GFSK

Fred (MHz)	Effi (dB)	Cain(dBi)
2400	-5.79	1.6
2410	-5.49	1.65
2420	-4.67	2.45
2430	-4.35	2.46
2440	-4.09	2.64
2450	-4.36	2.52
2460	-4.71	2.32
2470	-4.96	2.18
2480	-5.41	1.58
2490	-5.47	1.26
2500	-5.87	0.56

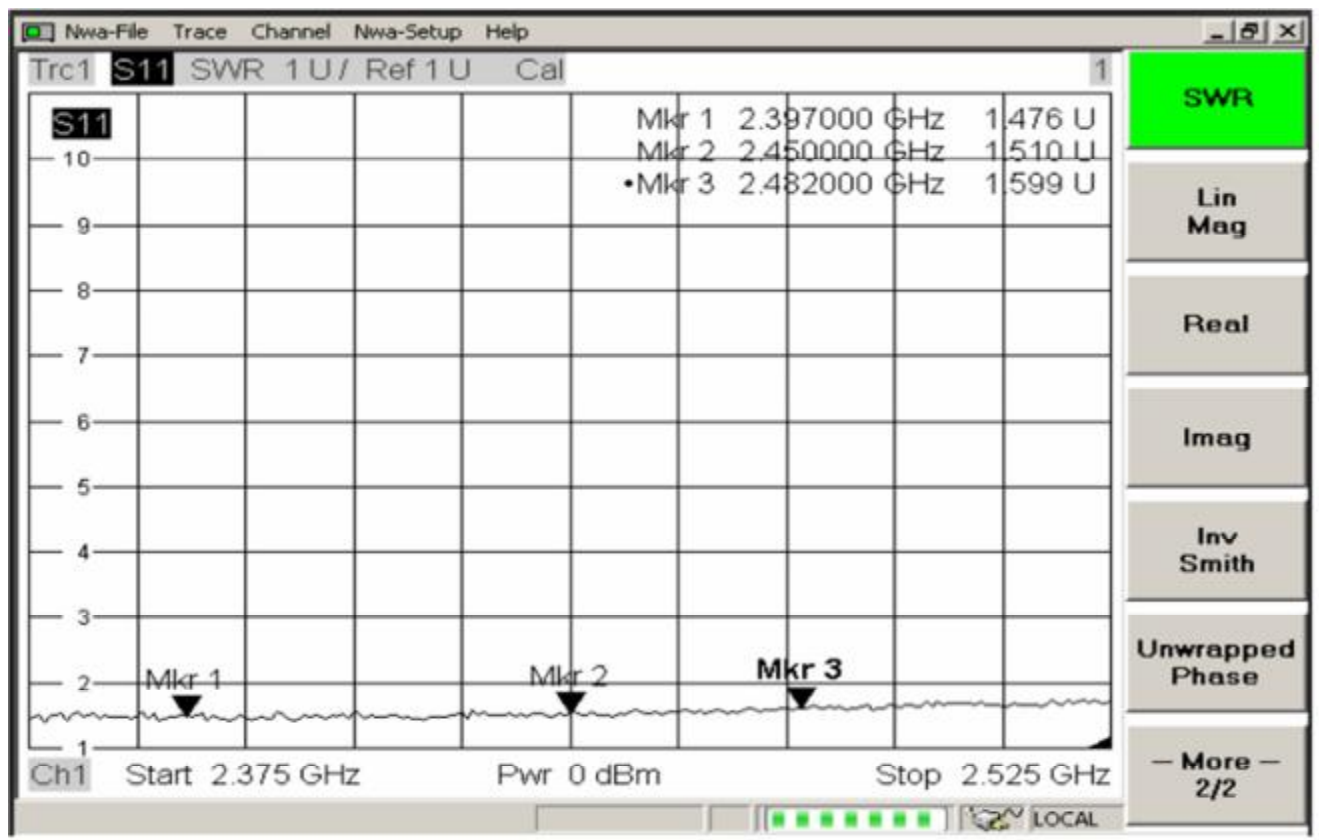




3. Instrument testing, software simulation parameters

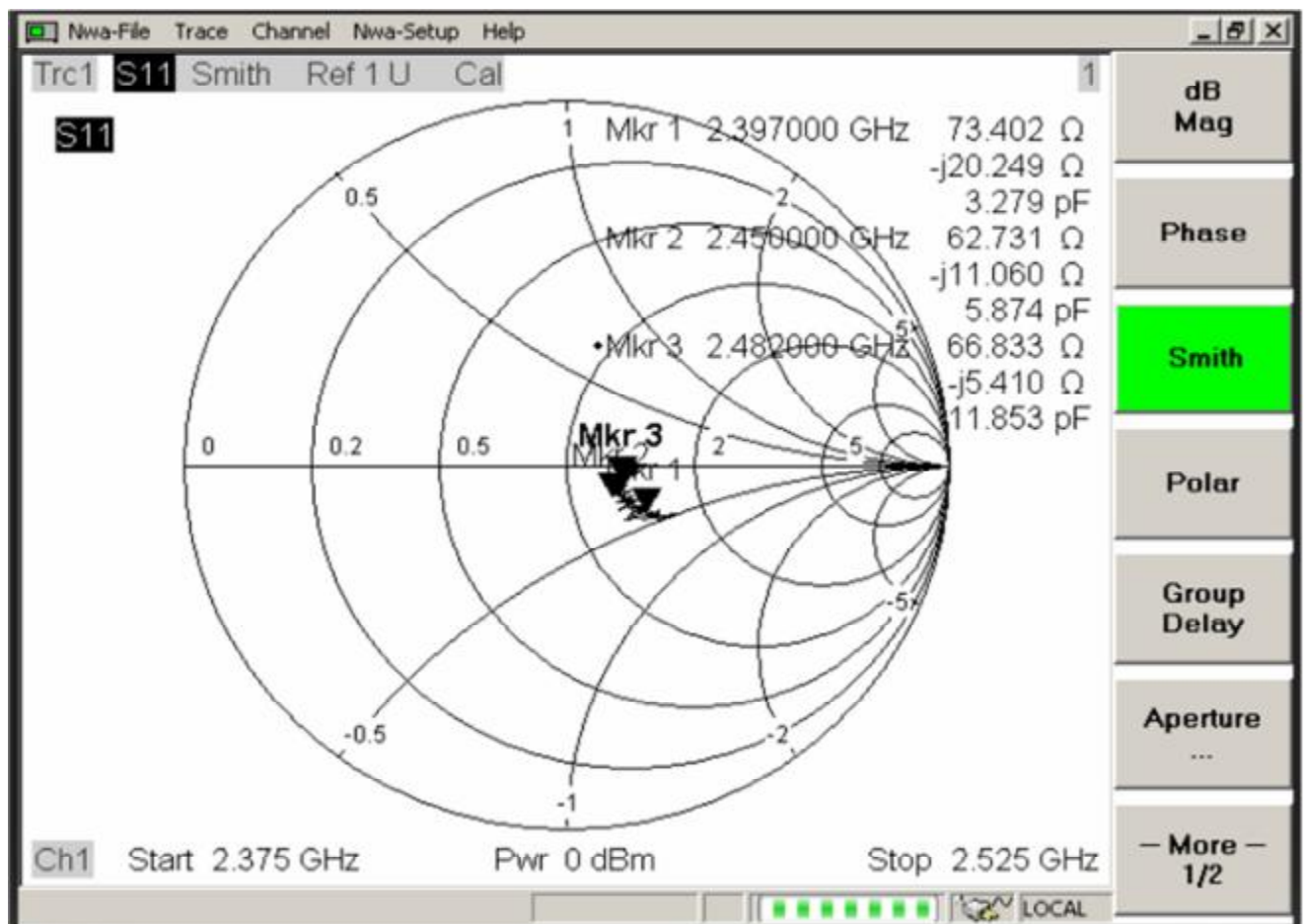
① VSWR

Mkr1: 2397MHz 1.47 Mkr2: 2450MHz 1.51 Mkr3: 2482 MHz 1.59



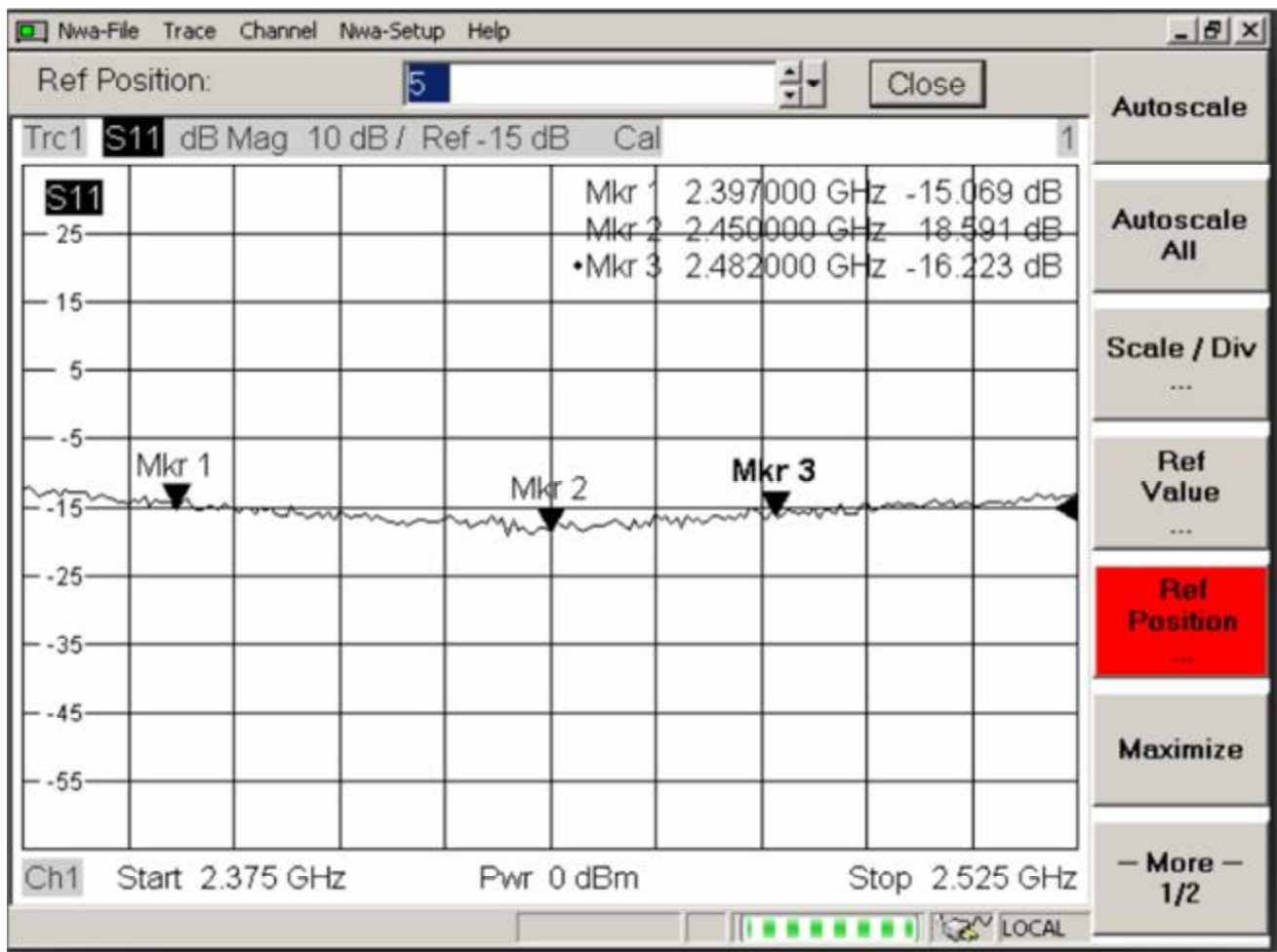
②Smith Char

Mkr1: 2397MHz 73.4 Mkr2: 2450MHz 62.7 Mkr3: 2482MHz 66.8



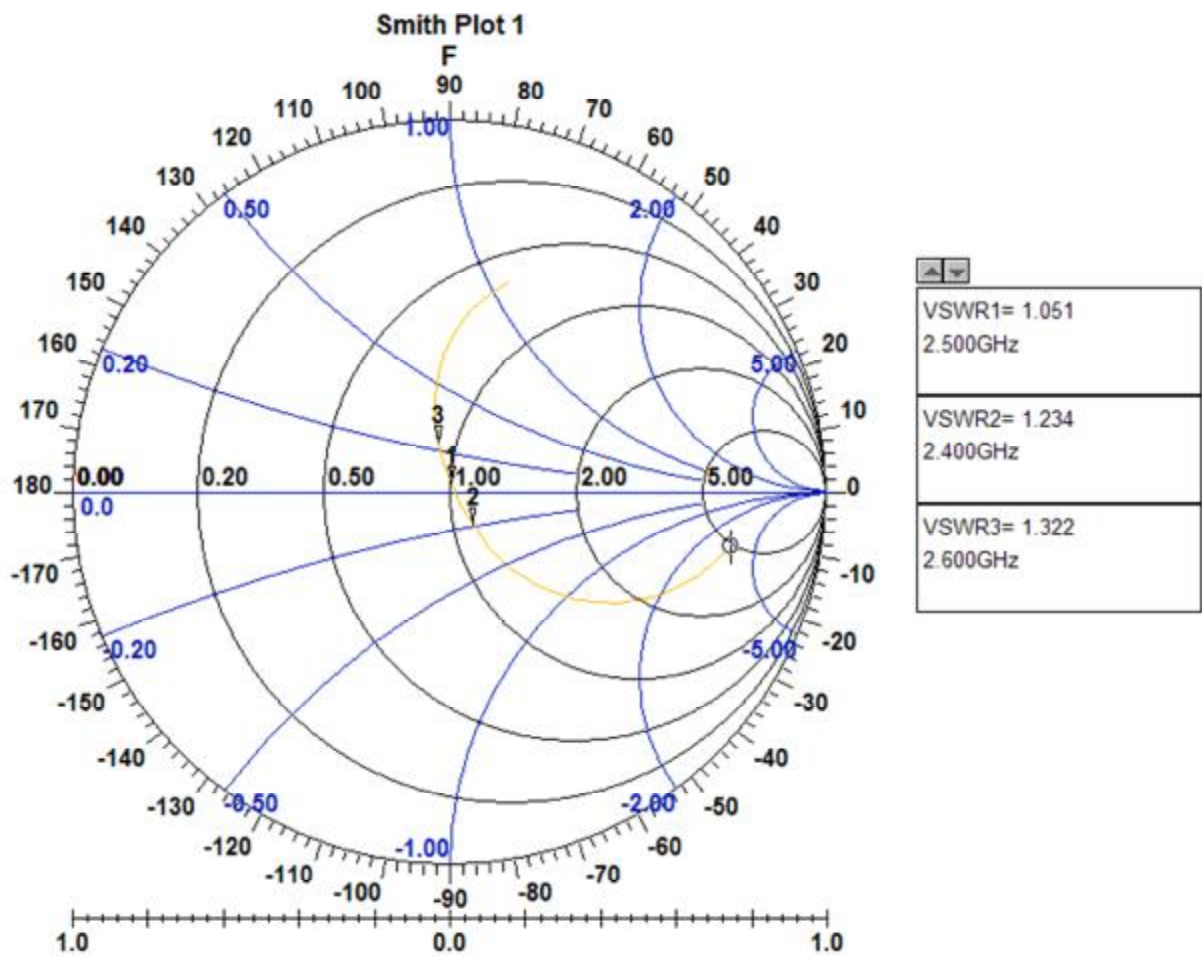
③Return Loss

Mkr1: 2397MHz -15 Mkr2: 2450MHz -18 Mkr3: 2482 MHz -16



④Smith Char The simulation

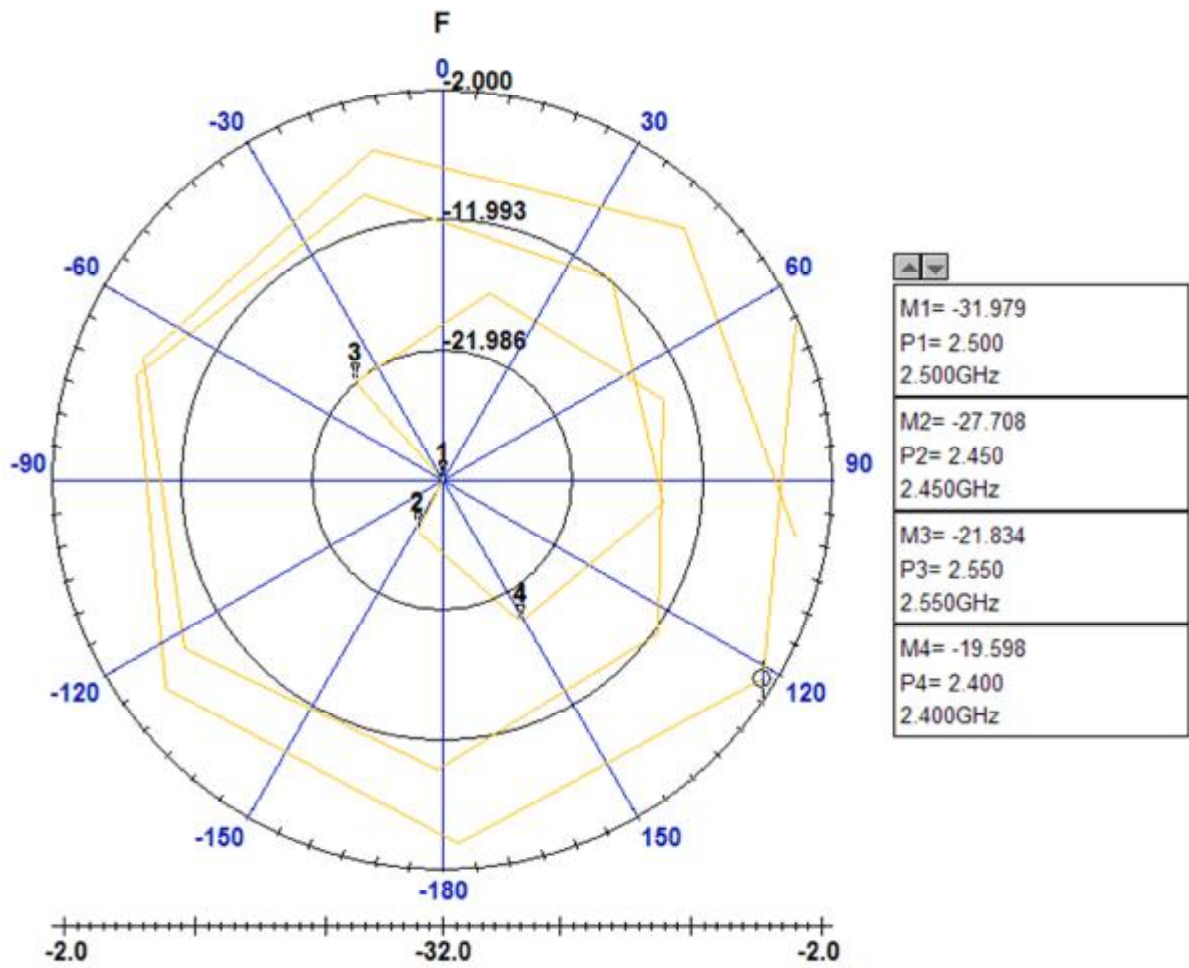
Mkr1: 2400MHz 1.234 Mkr2: 2500MHz 1.051 Mkr3: 2600MHz 1.322



⑤Return Loss The simulation

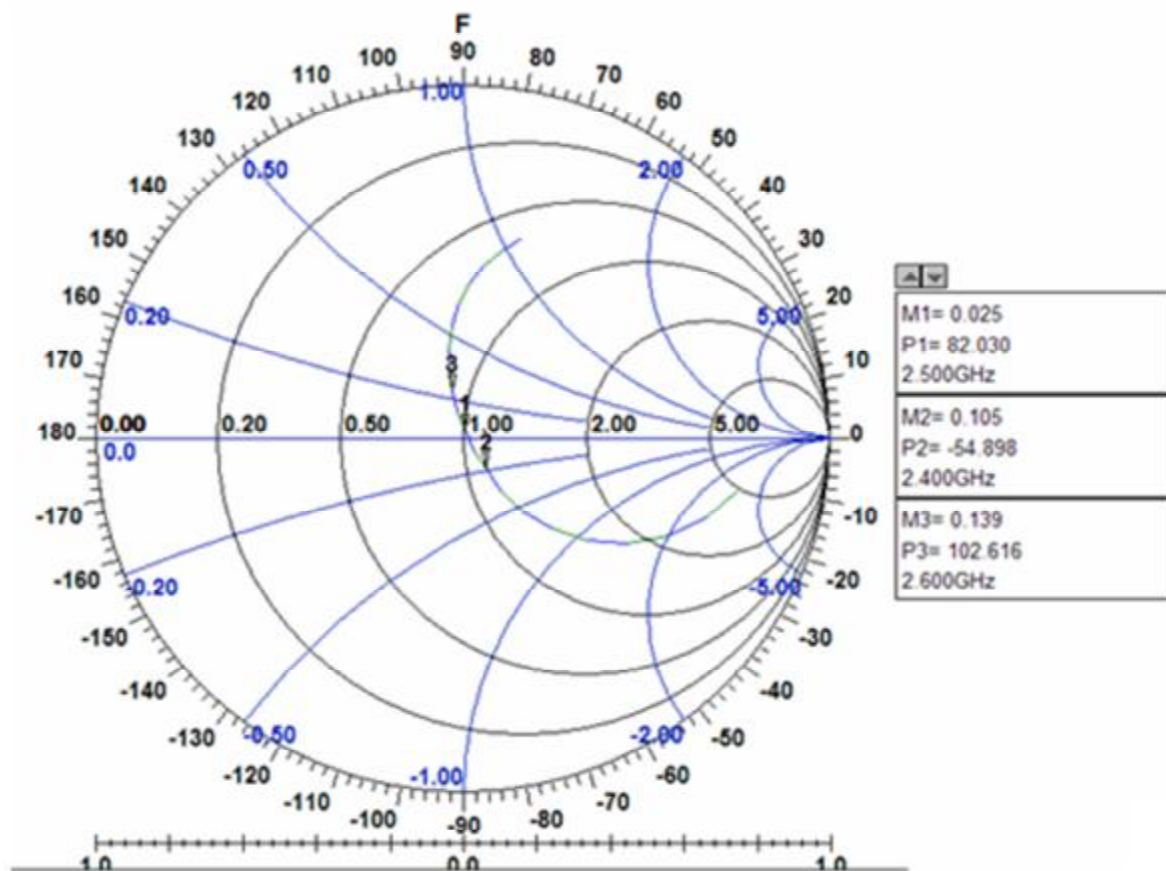
Mkr1: 2400MHz -19.59 Mkr2: 2450MHz -27.70 Mkr3: 2500MHz -31.97

Mkr4: 2550MHz -21.83



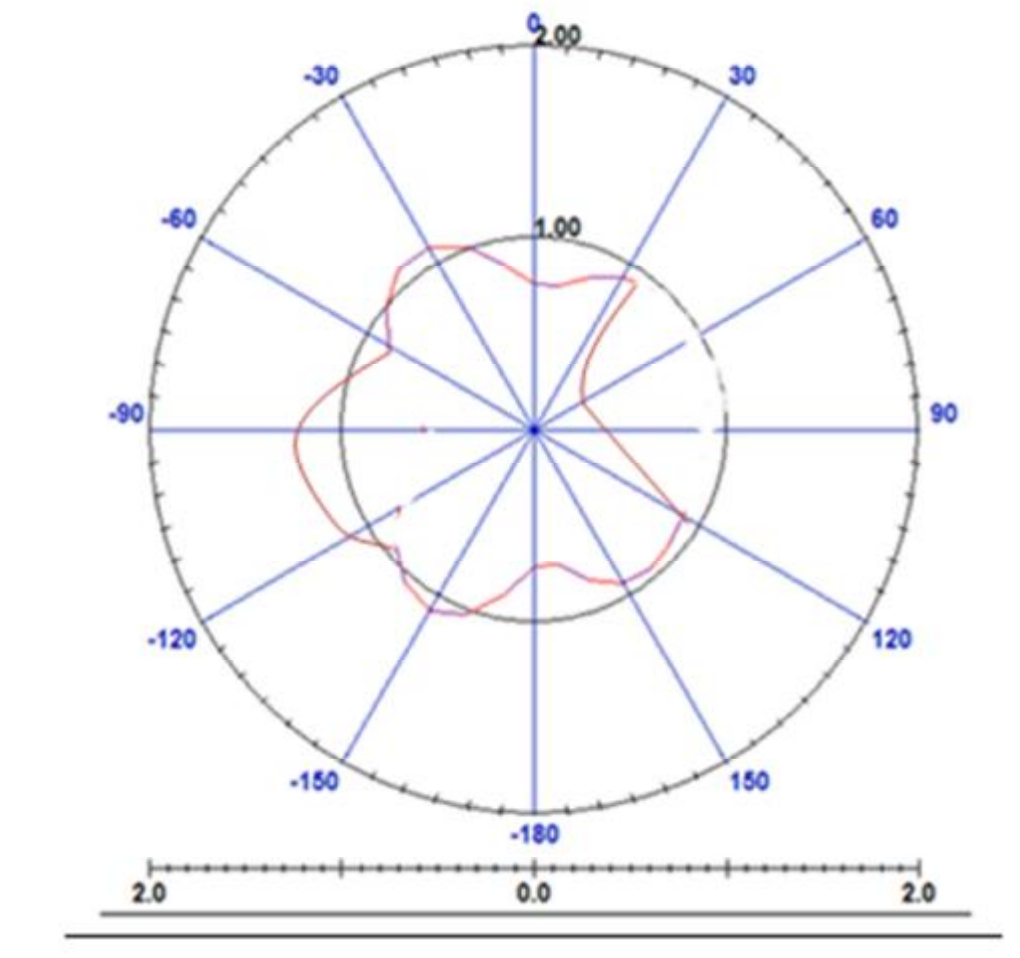
⑥Phase The simulation

Mkr1: 2400MHz -54.89 Mkr2: 2500MHz -82.03 Mkr3: 2600MHz -102.6

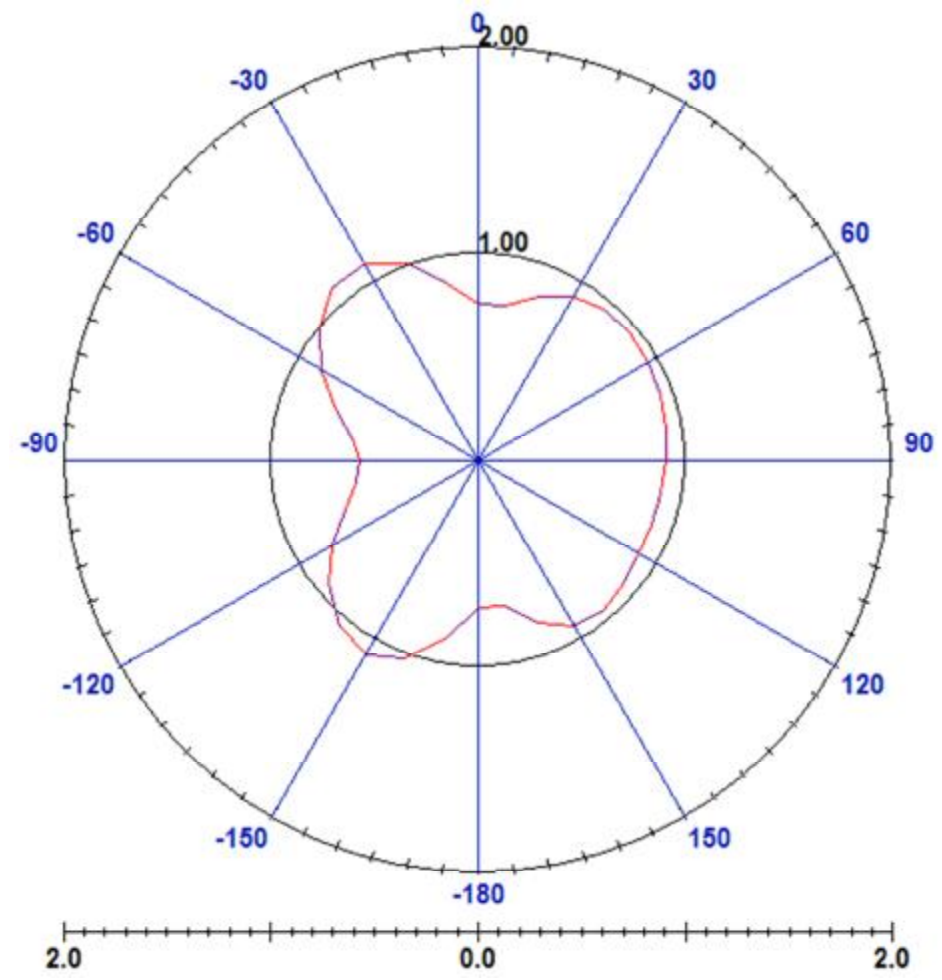


4. Radiation Patterns

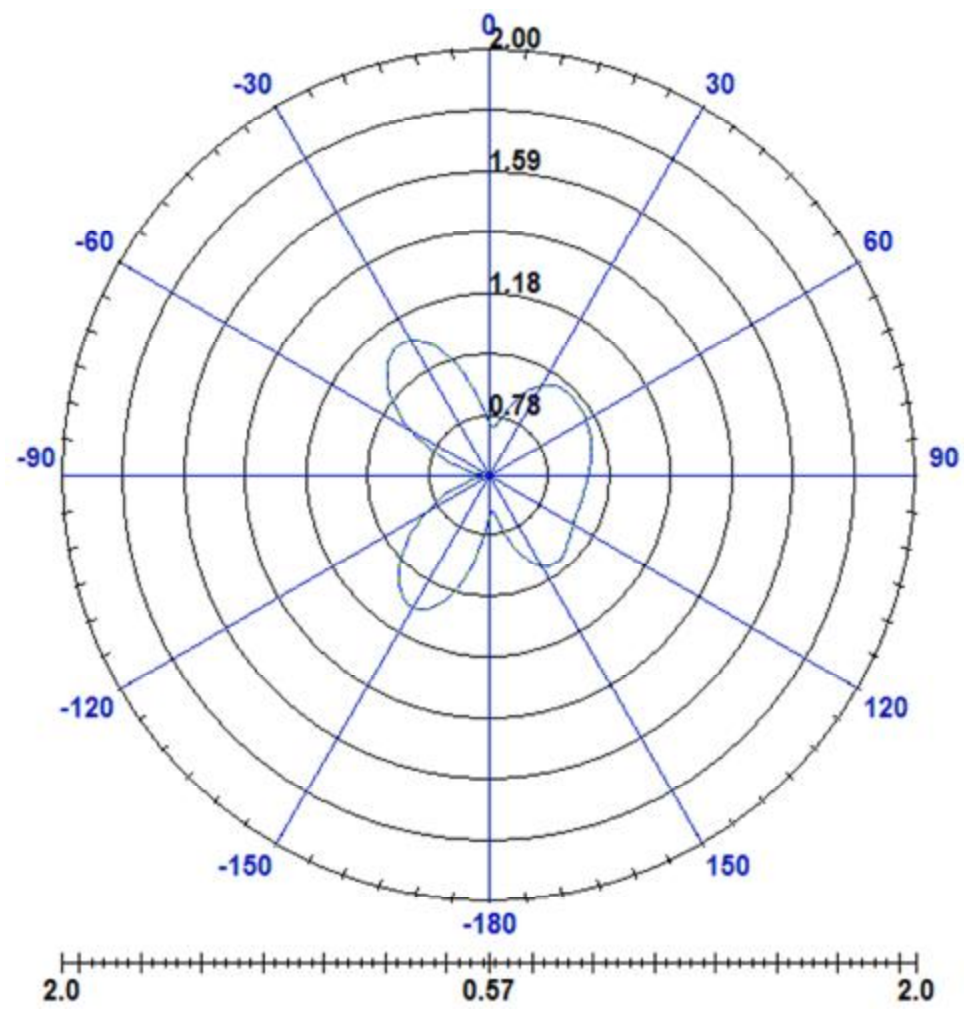
XY-plane



XZ-plane



YZ-plane



3D Radiation field type

