Antenna specification

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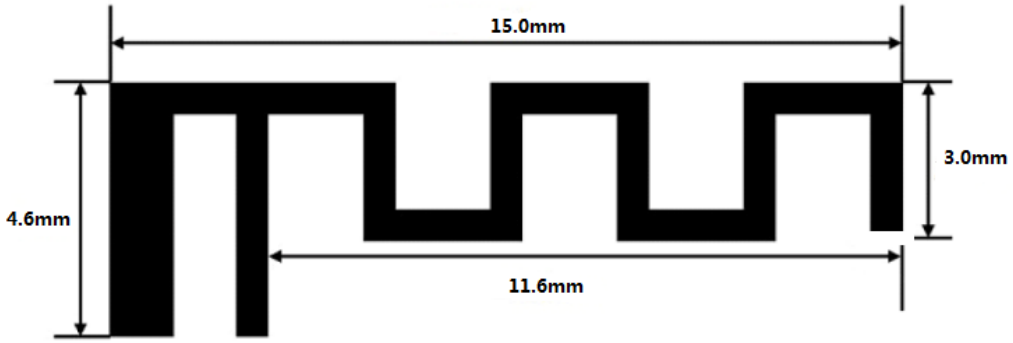
APPlications

※Bluetooth Home RF

※ISM band 2.4GHz applications

1.Dimensions



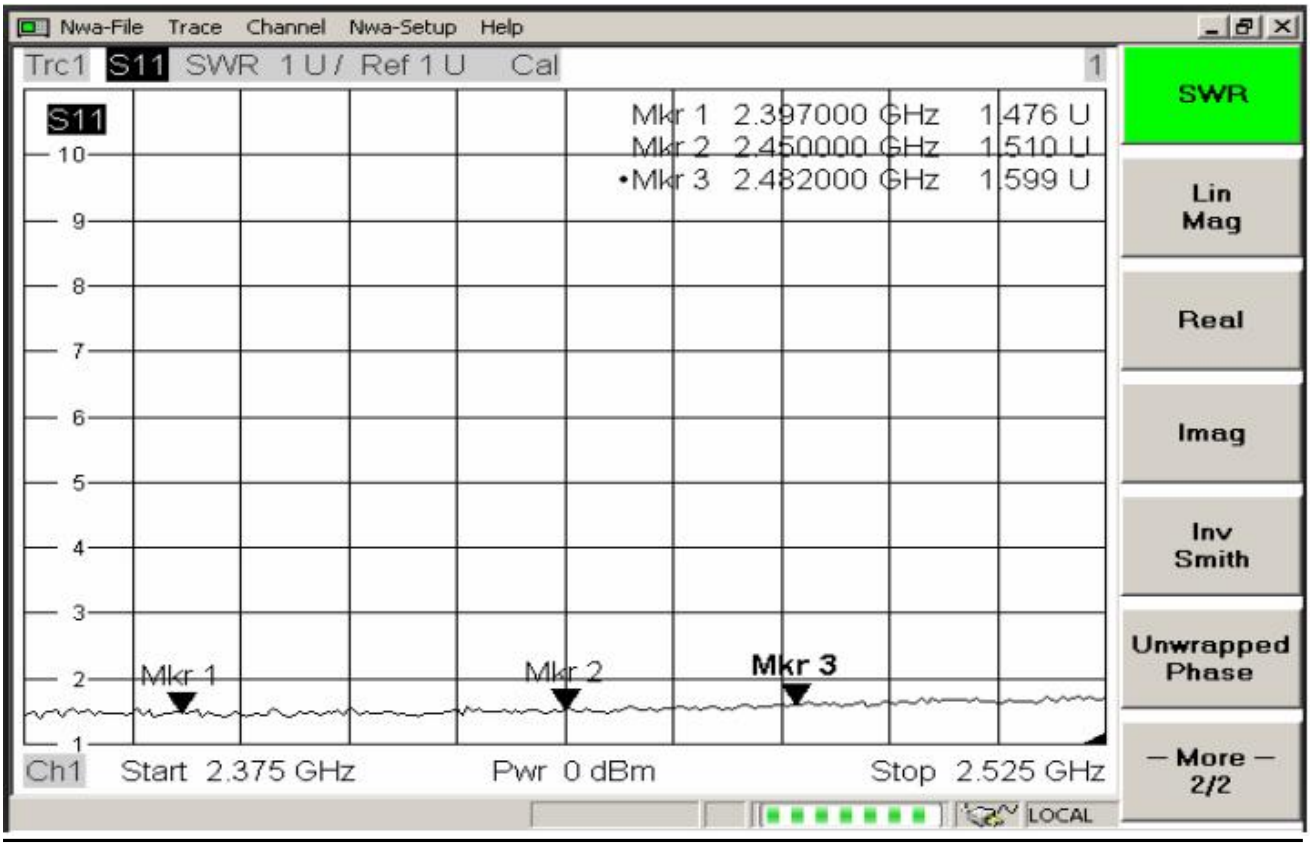
2.Specifications

number	Item	Specifications
1	Working Central Frequency	2441 MHz
2	Band Width	(2402-2480)MHz
3	Gain	0dBi
4	VSWR	≤2.0
5	Antenna type	PCB antenna
6	Azimuth Beam width	Omni‐directional
7	Impedance	50ohm
8	Modulation mode	GFSK

3.simulation parameter

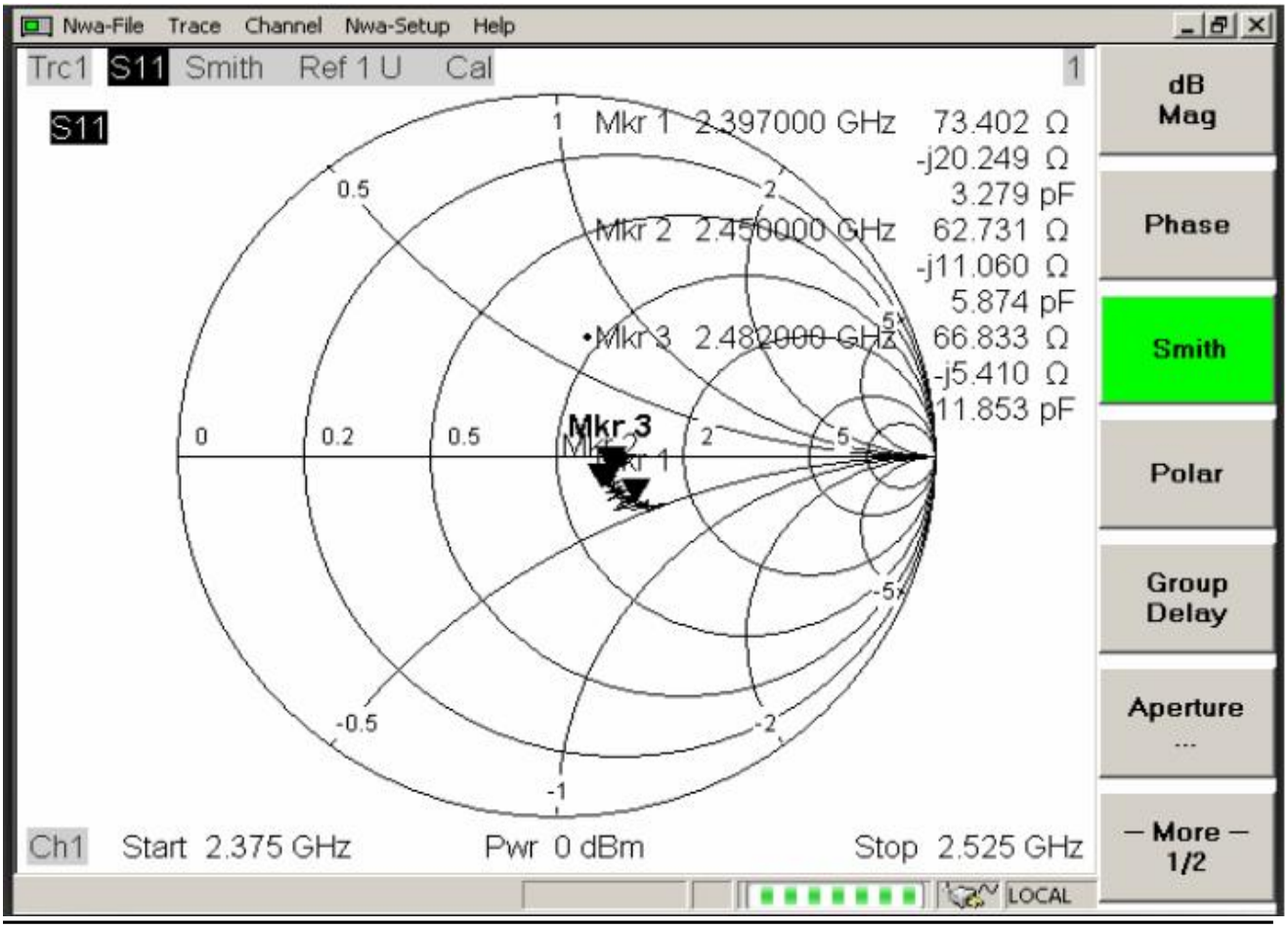
① VSWR

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



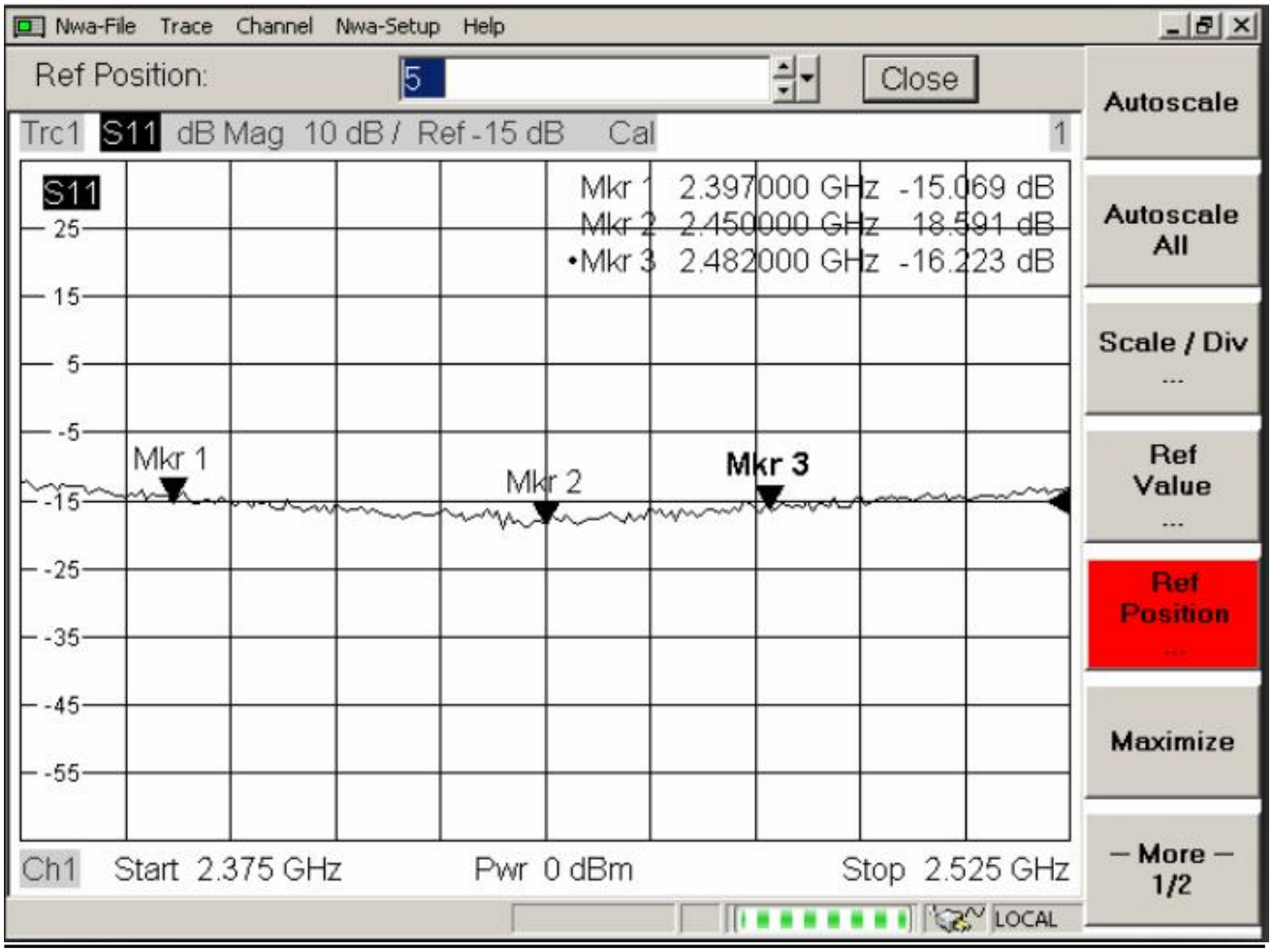
②Smith Char

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



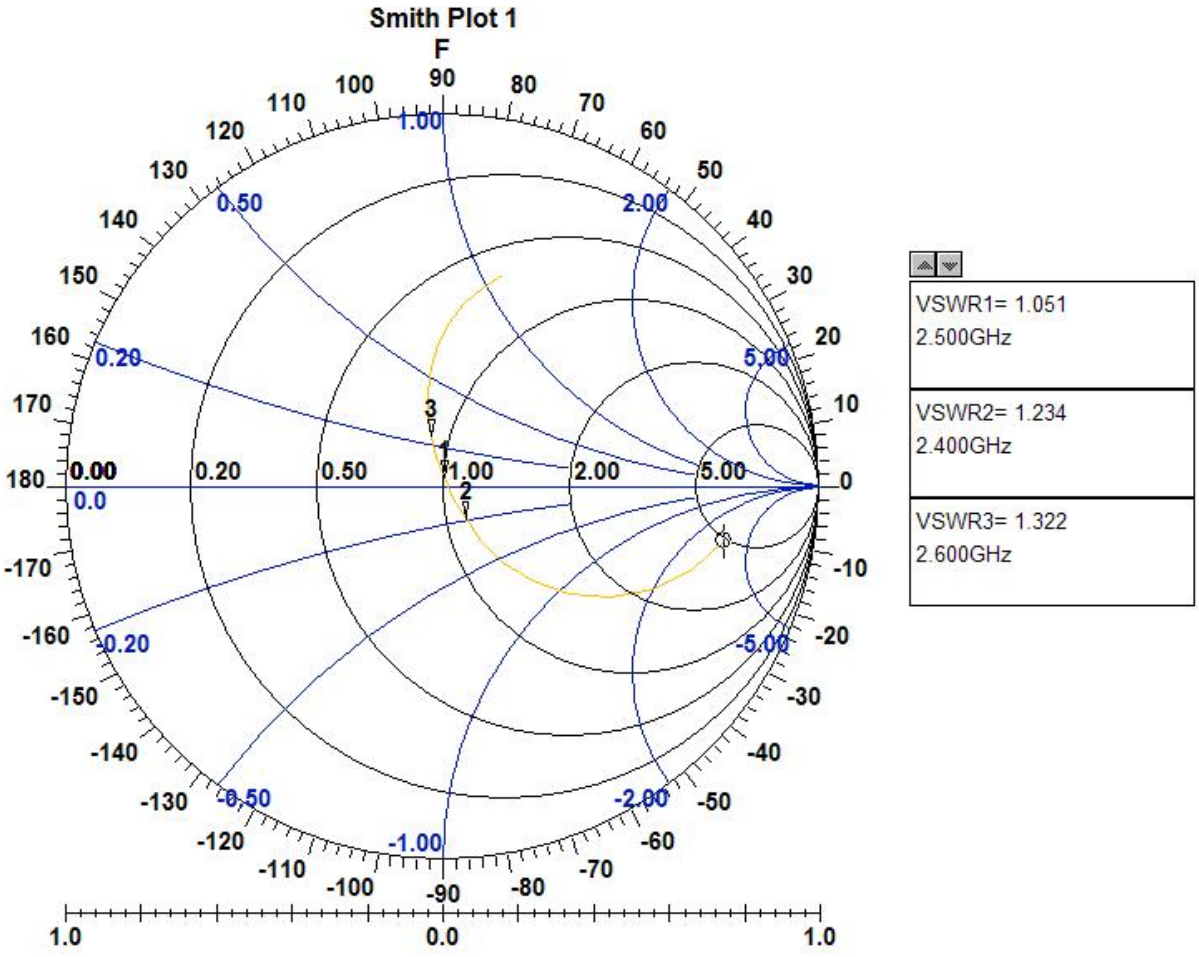
③Return Loss

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



④Smith Char

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



⑤Return Loss

Mkr1: 2400MHz -19.59 Mkr2: 2450MHz -27.70Mkr3: 2500MHz -31.97 Mkr4: 2550MHz -21.83

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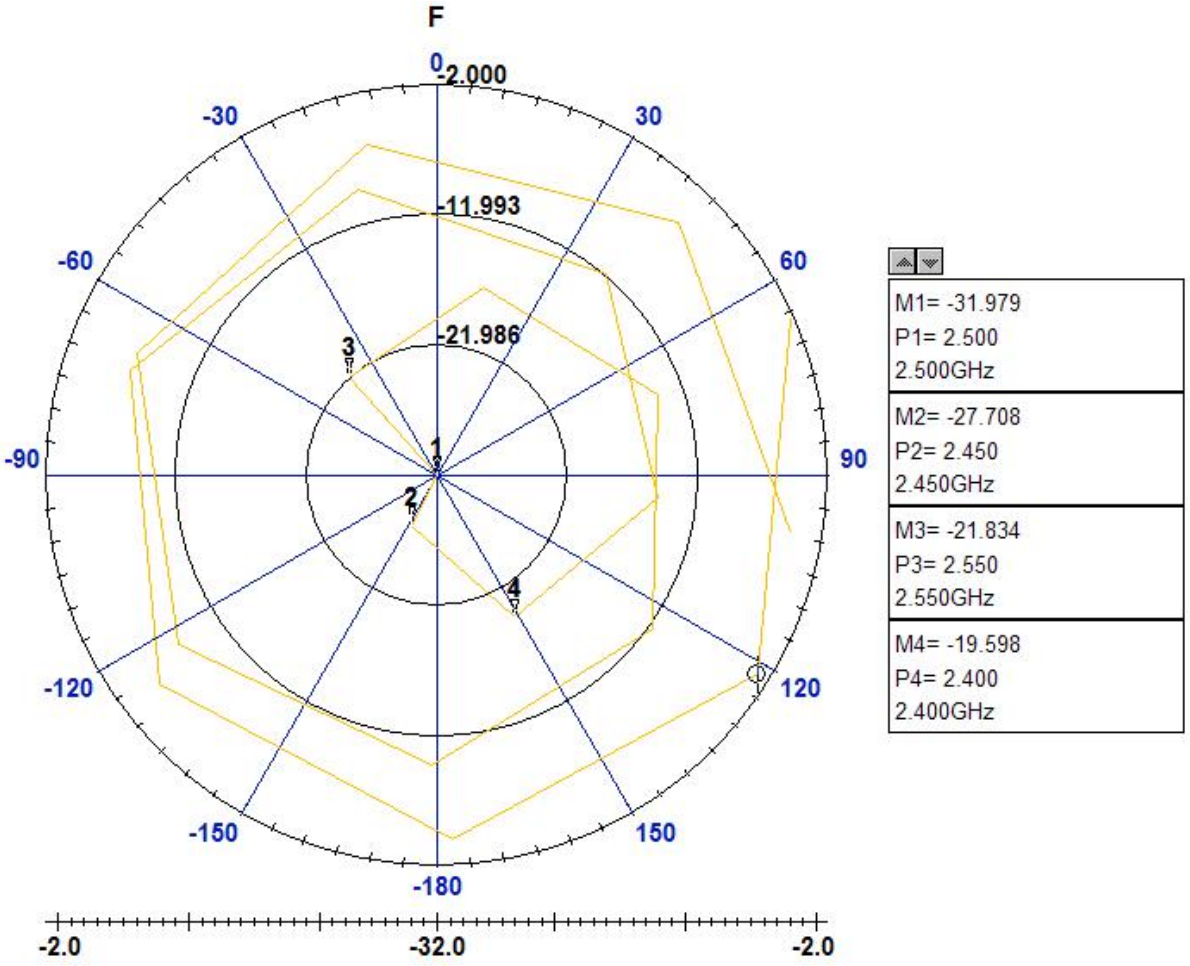
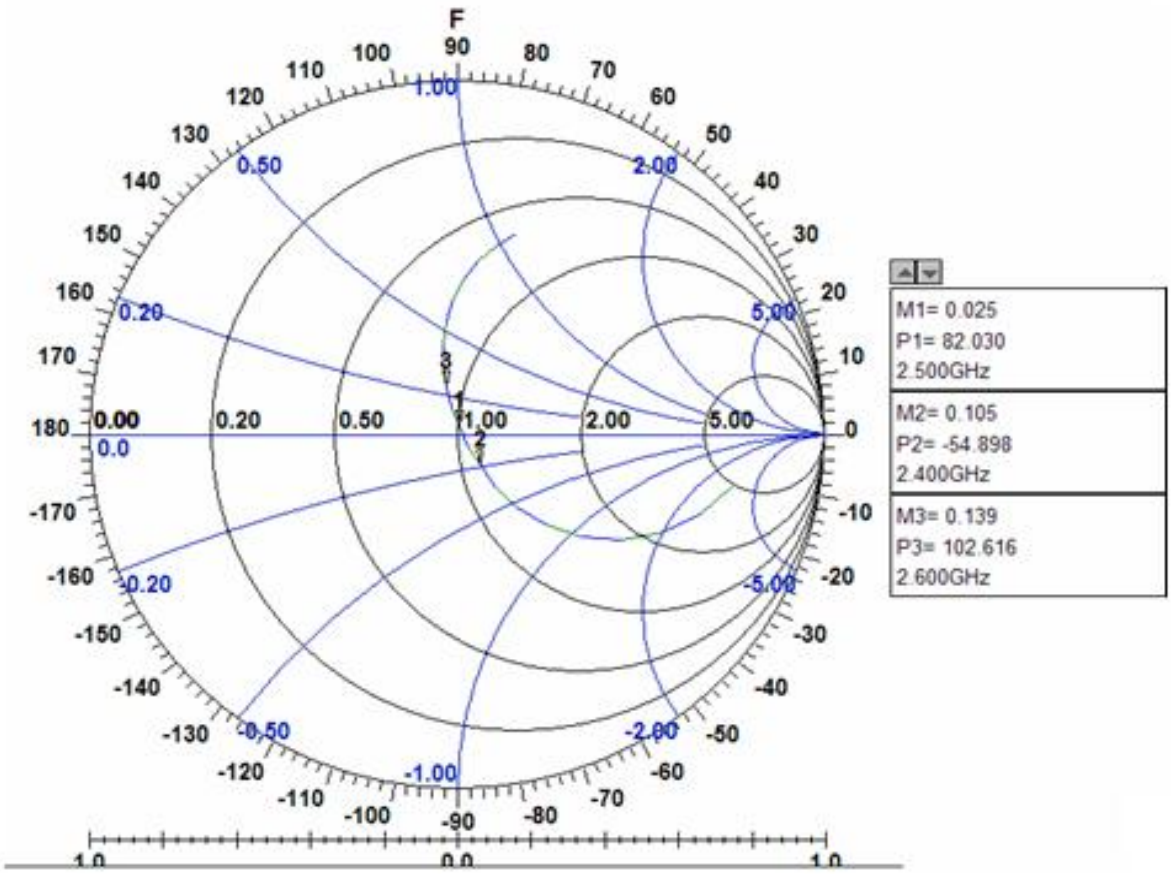


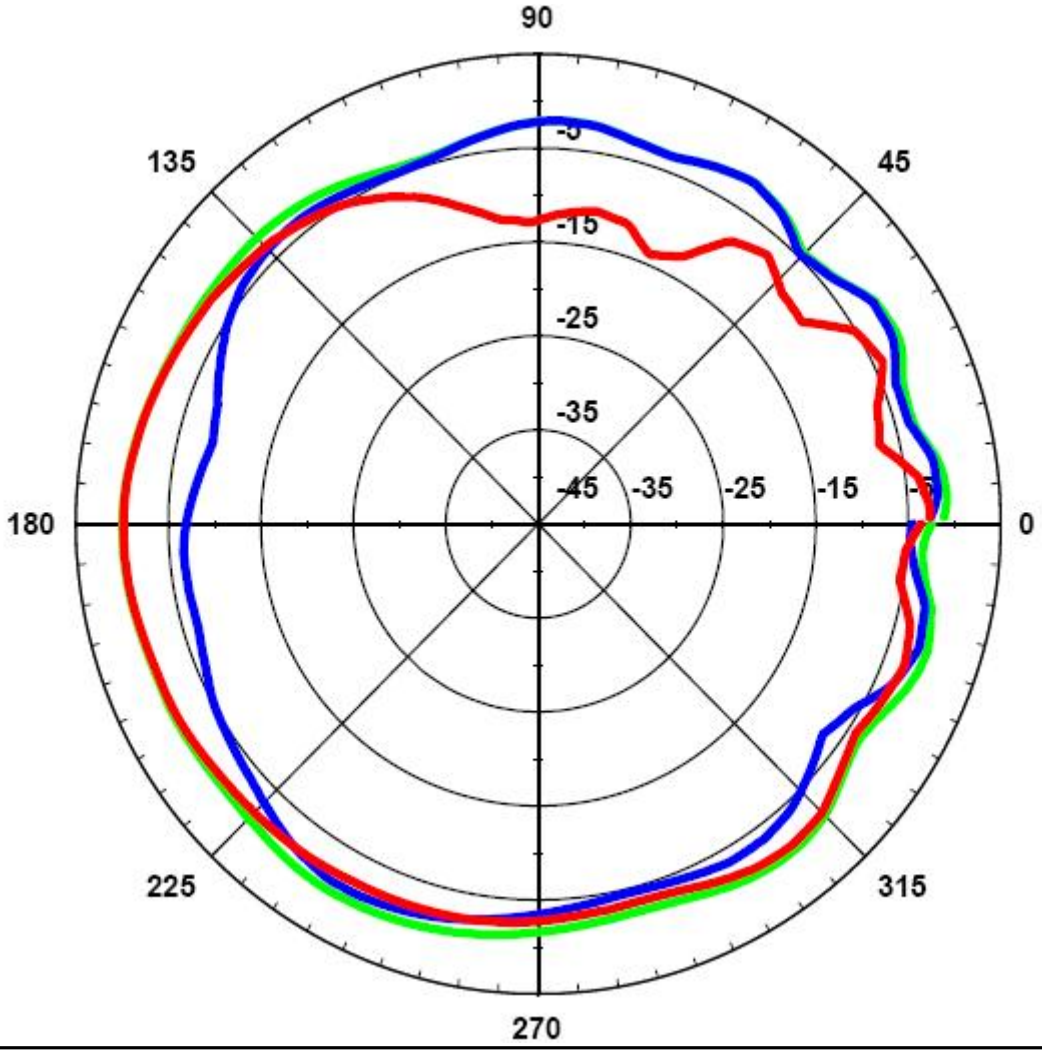
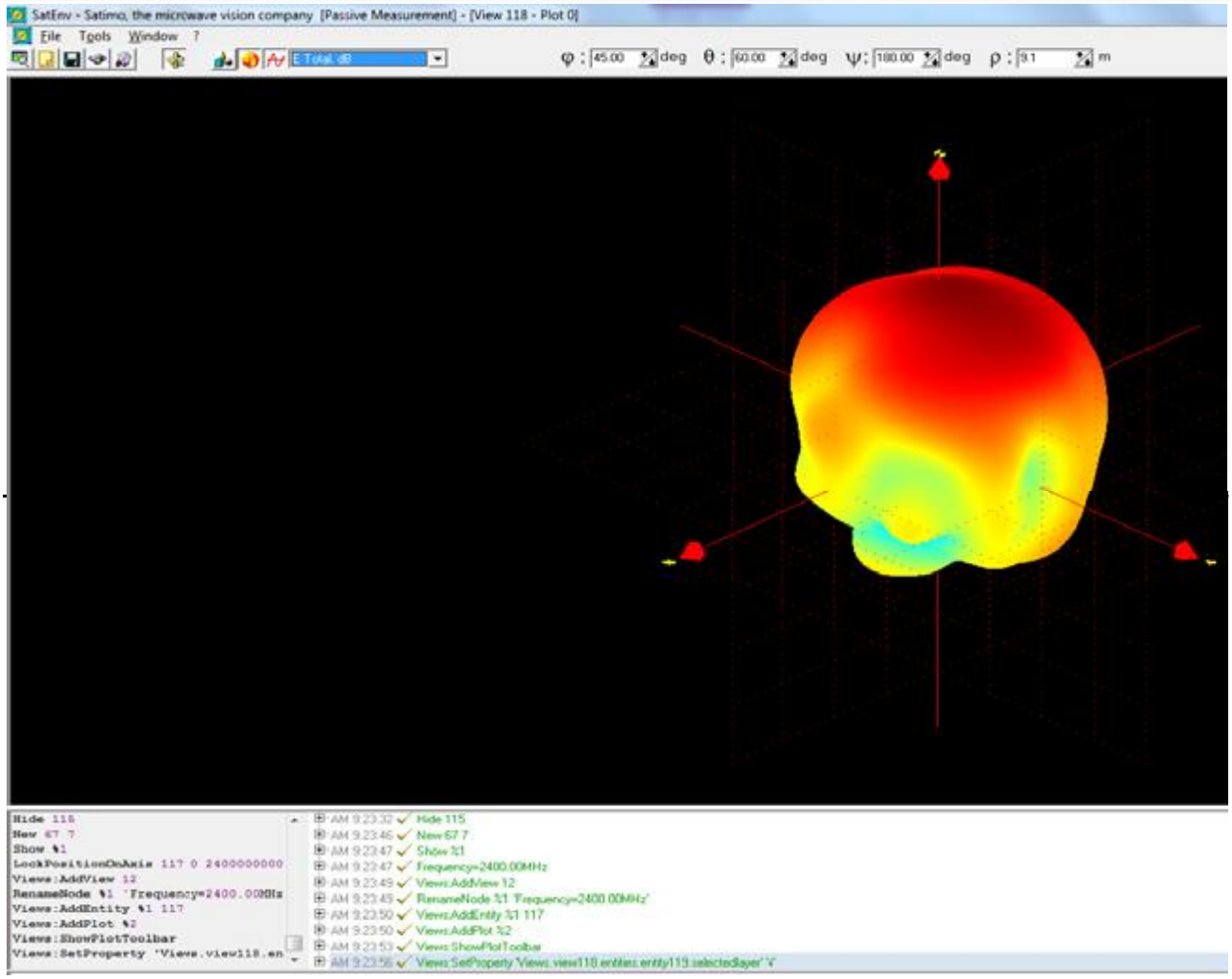
⑥Phase

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



4. Radiation Pattems

XY-plane
XZ-plane
YZ-plane



- 3DRadiation pattern