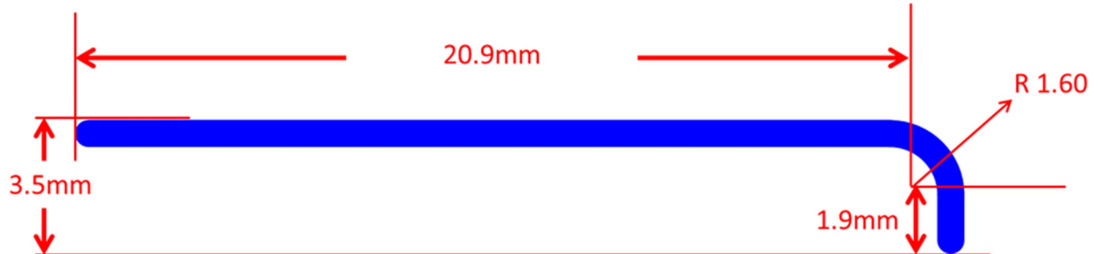


Applications

- ◆ Bluetooth Home RF
- ◆ ISM band 2.4GHz applications

1. Antenna Photo & length(mm)



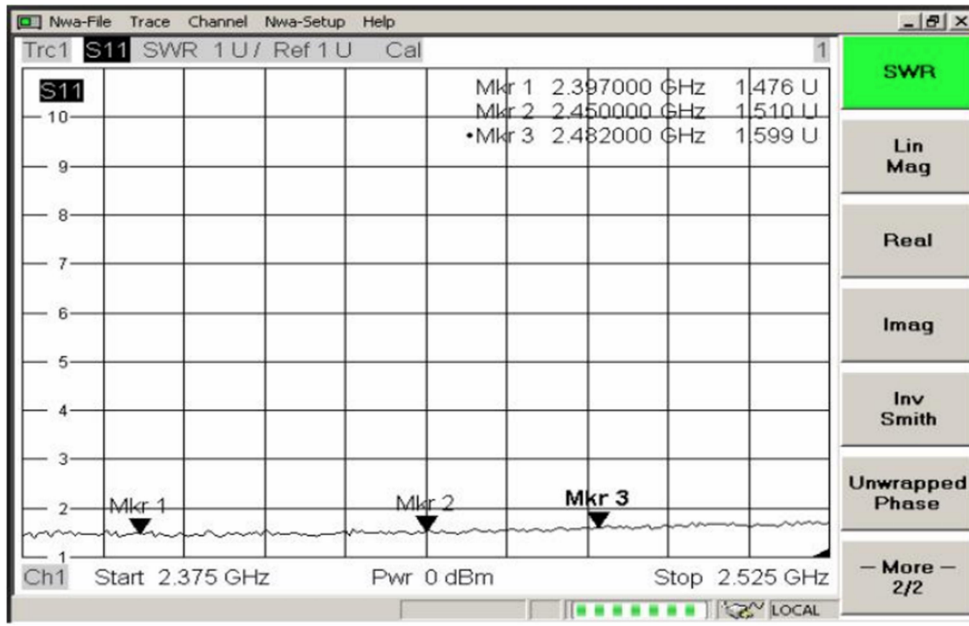
2. Specifications

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	50Ω
8	Modulation mode	GFSK

3. simulation parameter

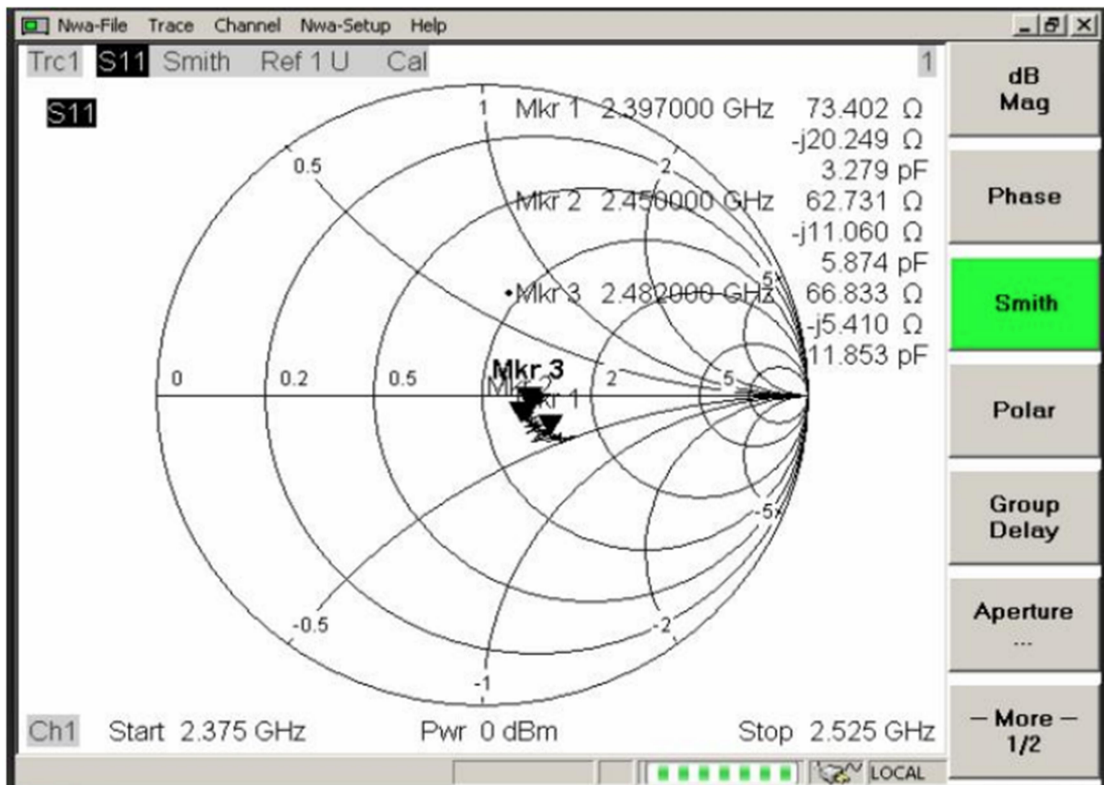
① VSWR

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



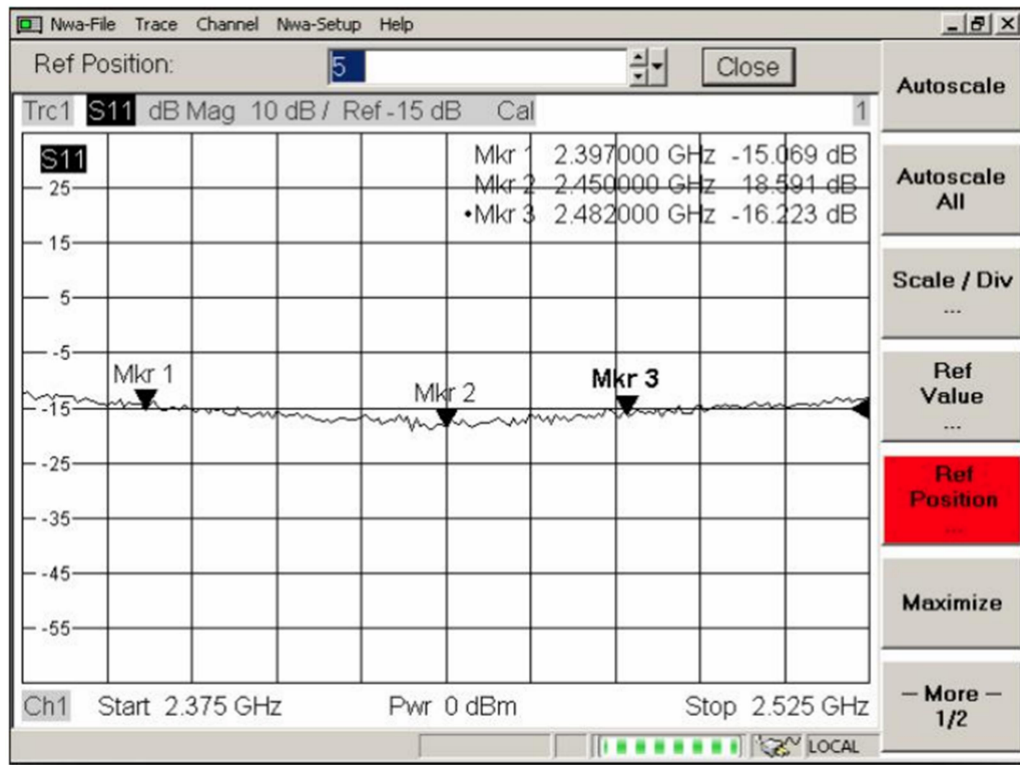
② Smith Char

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



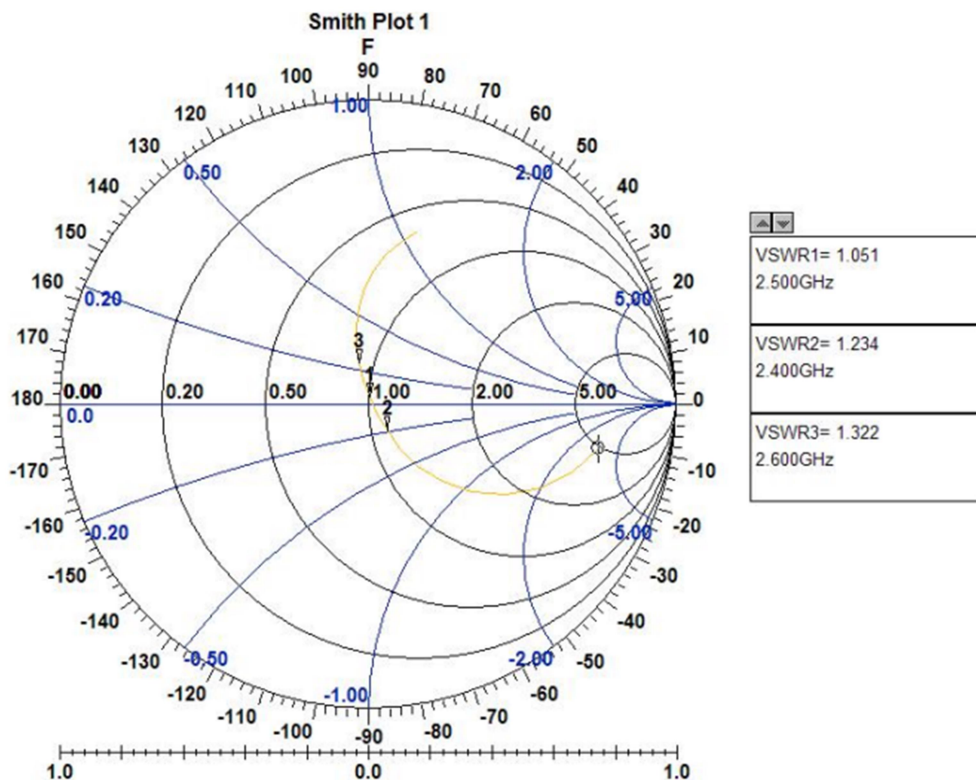
③ Return Los

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



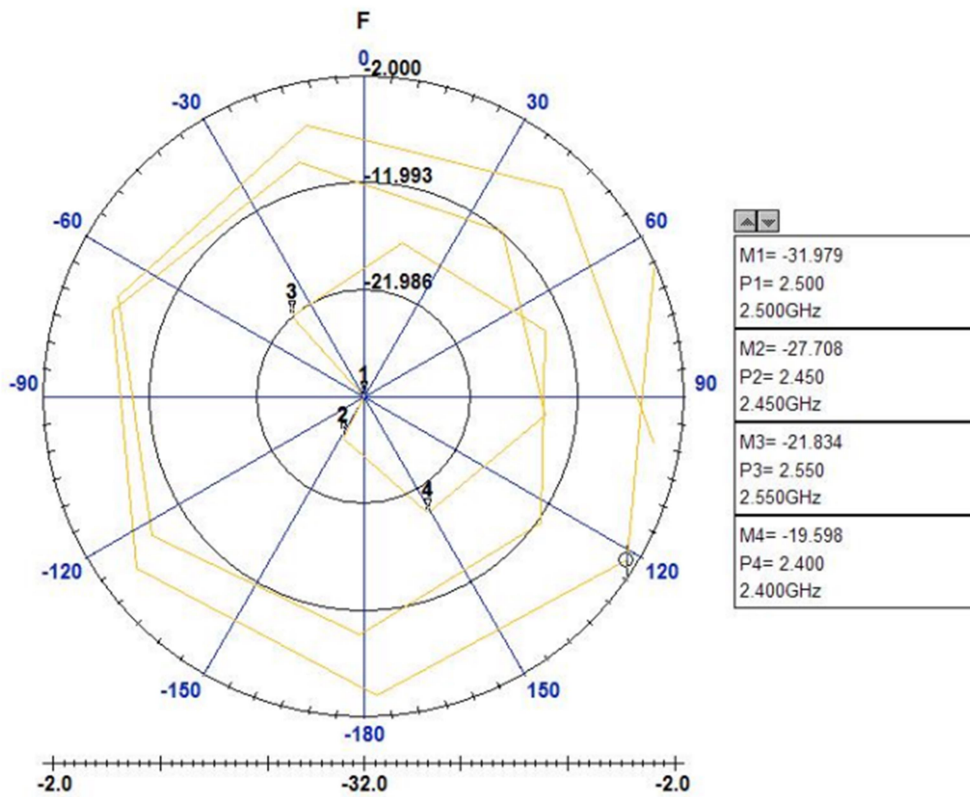
④ Smith Char

Mkr1: 2400MHz 1.234 Mkr2: 2500MHz 1.051 Mkr3: 2600MHz 1.32



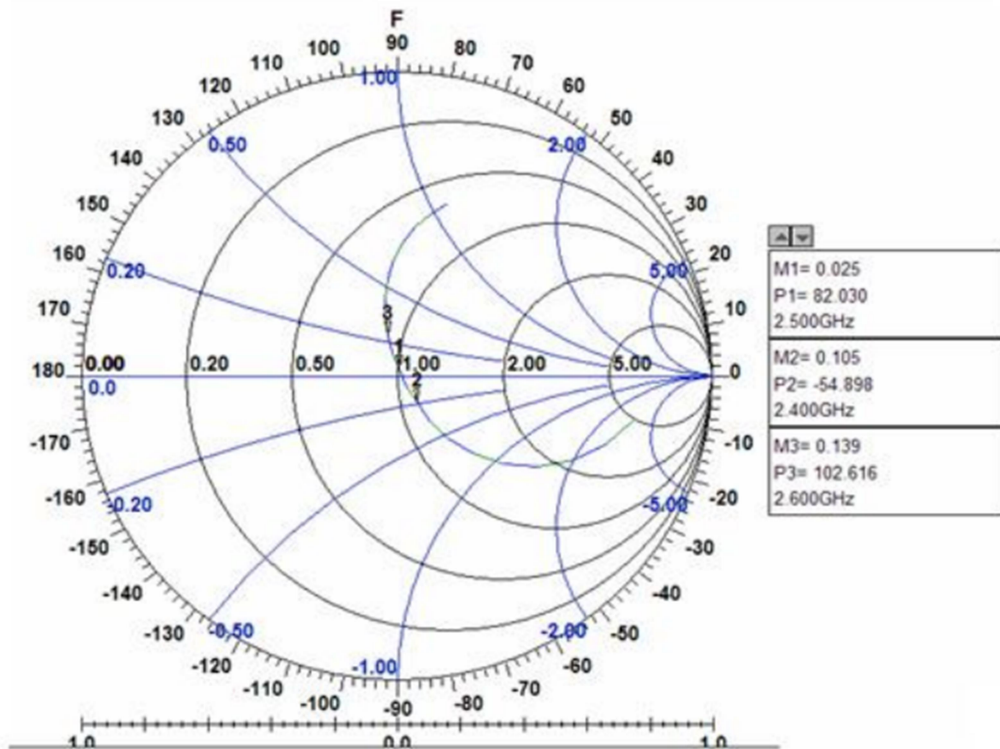
⑤ Return Los

Mkr1: 2400MHz -19.59 Mkr2: 2450MHz -27.70
 Mkr3: 2500MHz -31.97 Mkr4: 2450MHz -21.8



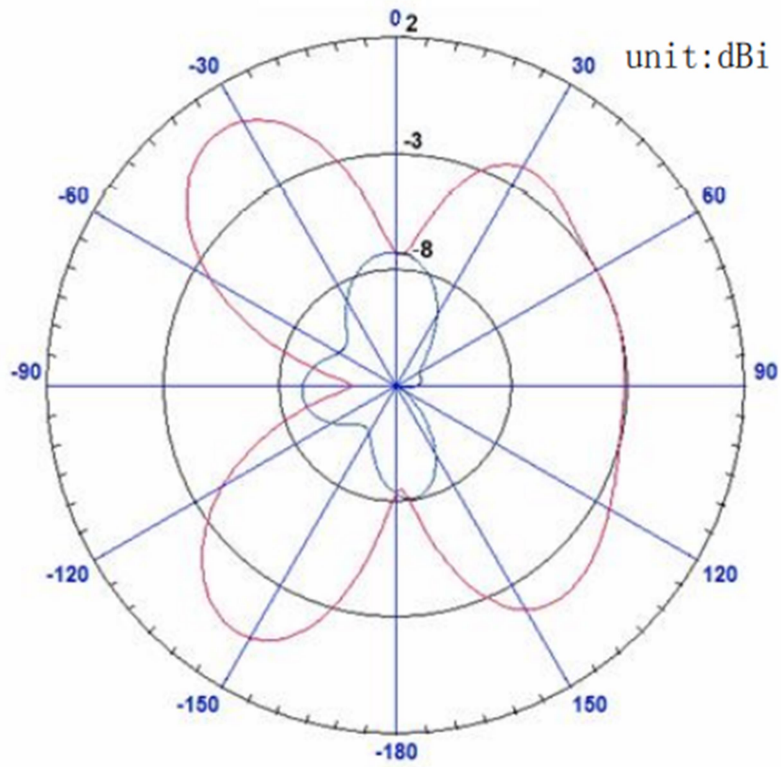
⑥ Phase

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

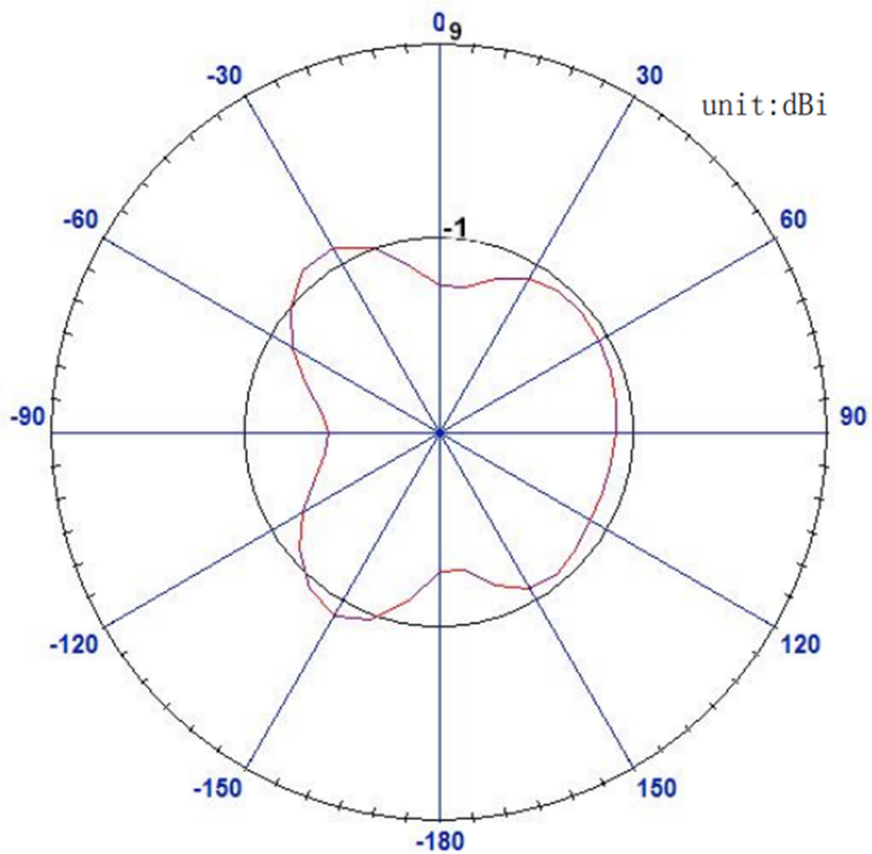


4. Radiation Patterns

2450MHz XY-plane Max Gain 0dbi



2450MHz XZ-plane Max Gain -0.13dbi



2450MHz YZ-plane Max Gain -0.39dbi

