

Antenna specification

Applications

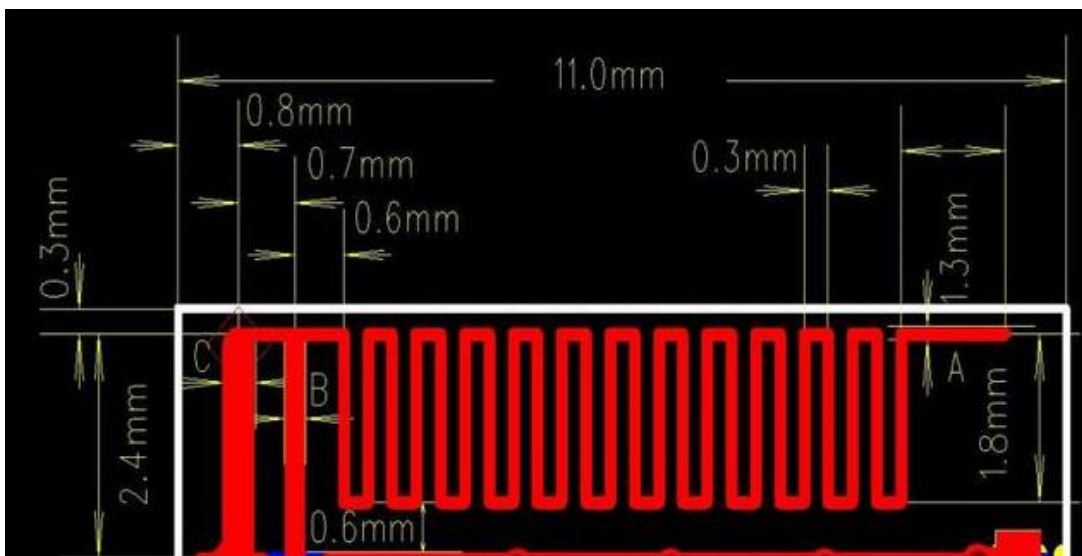
Antenna model: MP1171 AT V1.0

Antenna Brand: Innosystem

※Bluetooth PIFA RF

※ISM band 2.4GHz applications

1. Dimensions



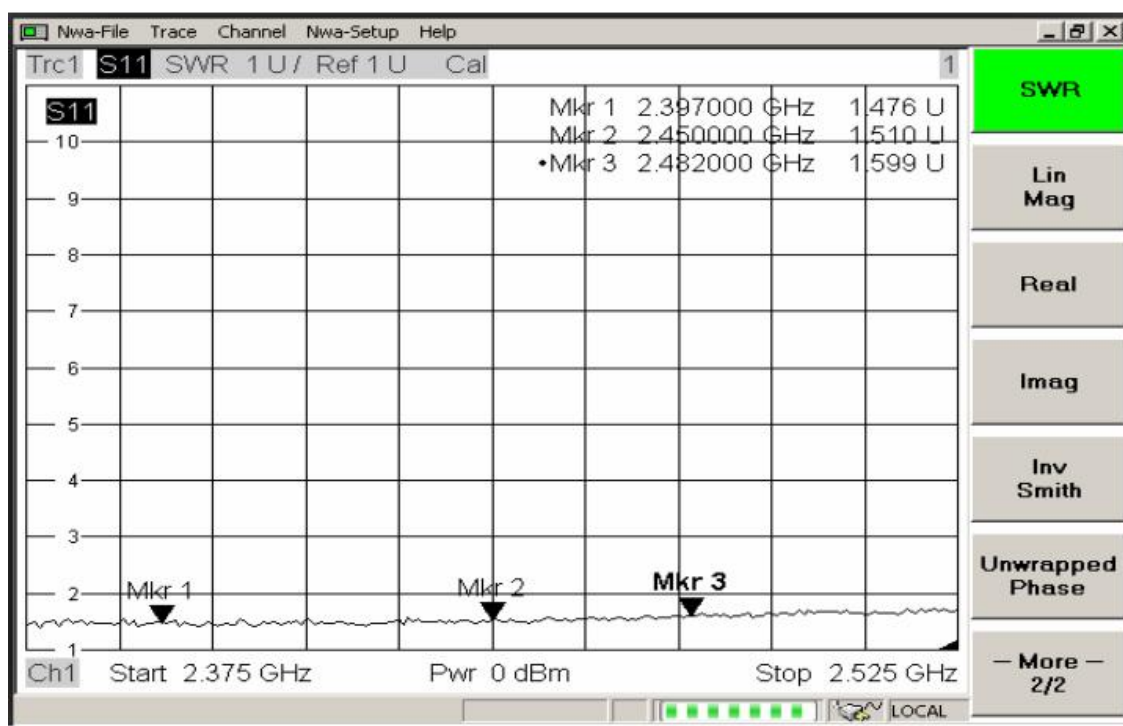
2. Specifications

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	50 欧姆
8	Modulation mode	GFSK

3. 仪器测试、软件仿真参数

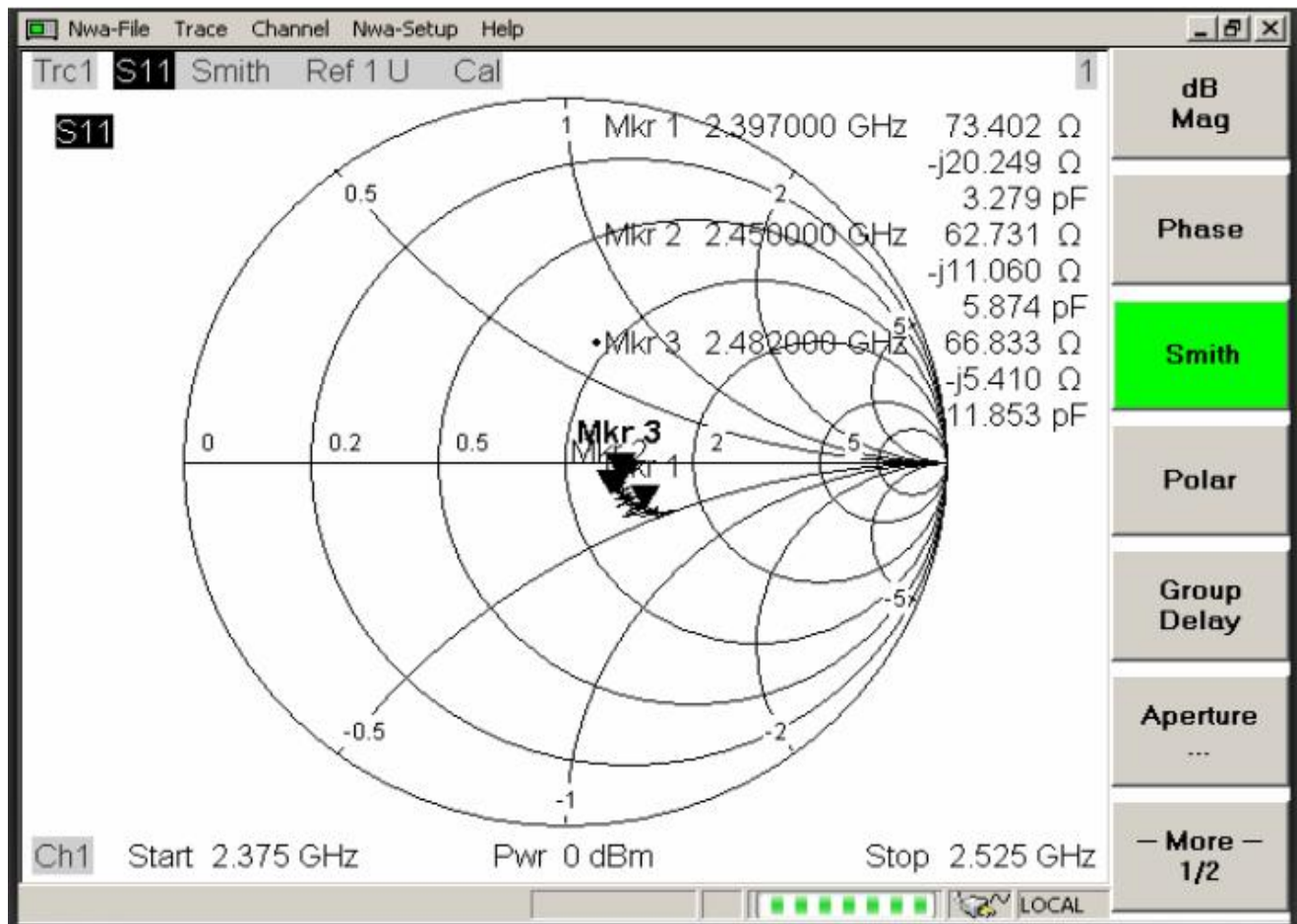
① VSWR

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



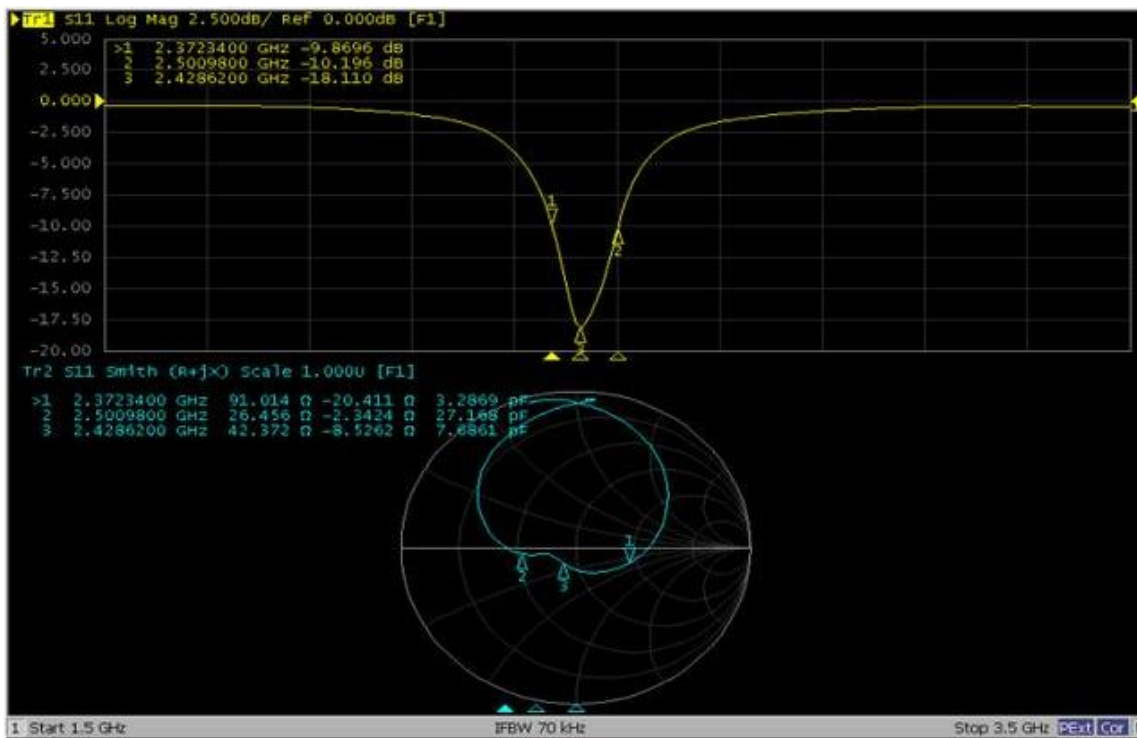
②Smith Char

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



③Return Loss

PIFA 天线性能 S11 如下，工作频段覆盖整个 2.4G ISM 频段



Nano Dongle PIFA 天线 增益, 该天线最大增益只有 0dB 左右

3D 辐射场型图

