

1. Antenna Description

Equipment	Bridgemate III scoring device
Antenna plate	Internal antenna
Market name/Model name	BM3-1A
Manufacture	Bridge Systems BV
Antenna Max. Gain	-3.6dBi
Frequency Range	2412-2462MHz 2422-2452MHz
Connect Type	Integer antenna
VSWR	4.13

2. Picture of antenna



Length*width=20mm*2mm

3. Test Setup

3.1 Microwave chamber diagram

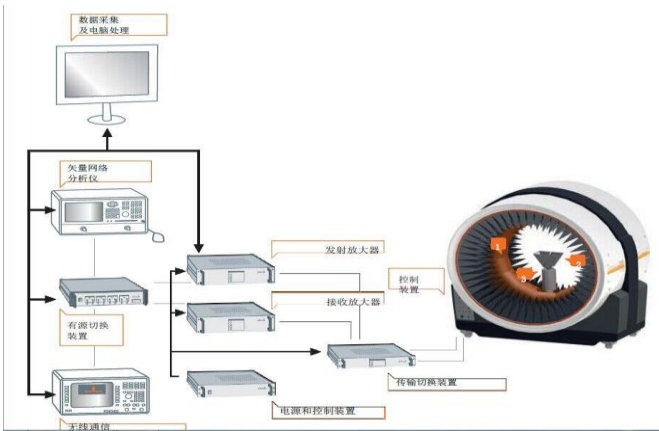


Figure 1 Wiring diagram of assembly test for microwave chamber system

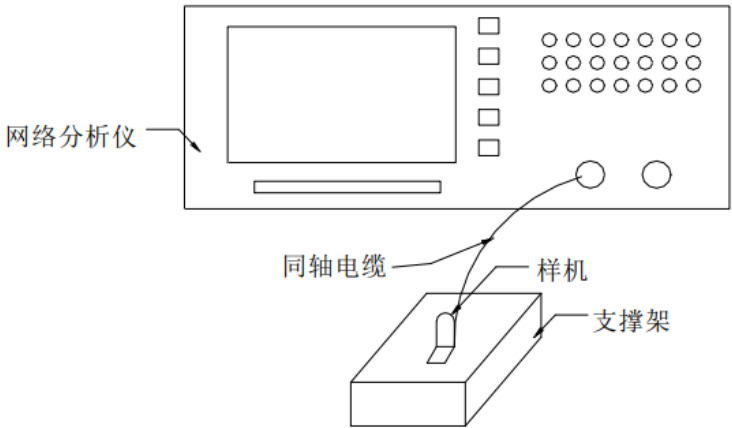


Figure 2 ANT static test connection method

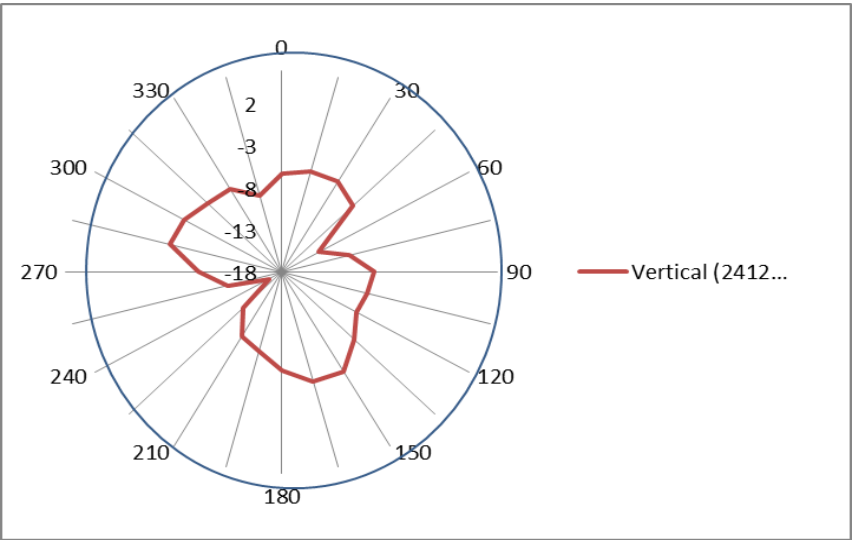
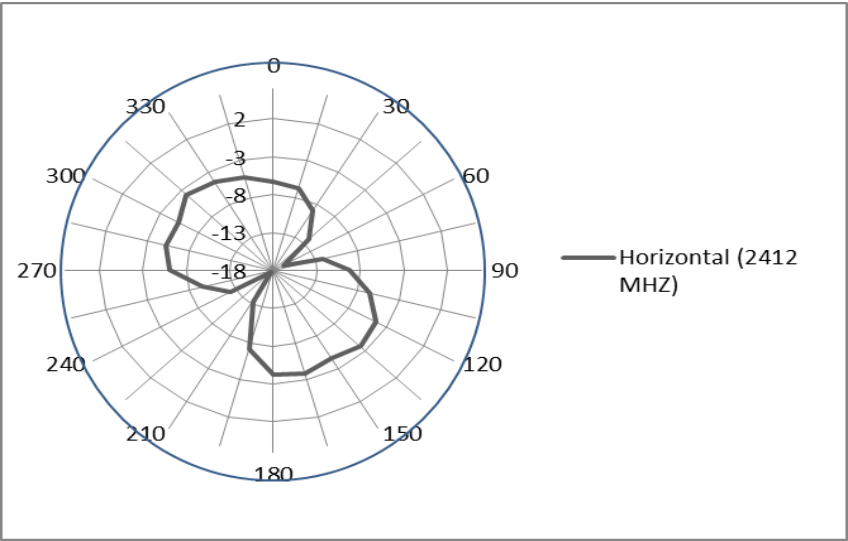
4. Antenna Radiation Pattern

Horizontal (2412 MHZ)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-6.24	-16.6	-4.46	-4.24	-12.3	-5.32

Vertical (2412 MHZ)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-6.2	-13.2	-8.45	-6.23	-16.3	-5.45

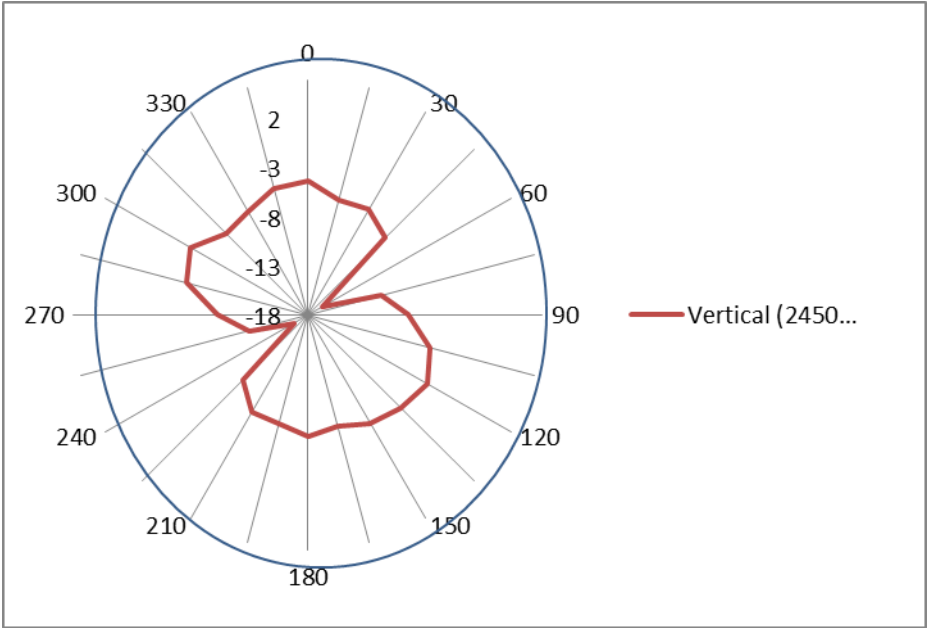
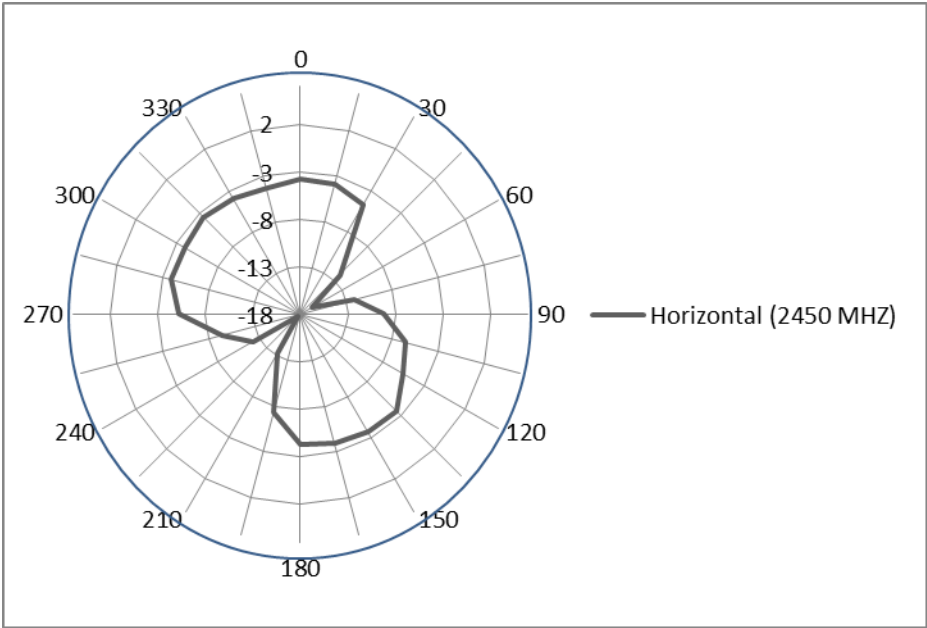


Horizontal (2450 MHZ)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-3.60	-16.6	-5.46	-4.24	-12.3	-3.97

Vertical (2450 MHZ)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-4.28	-16.3	-3.85	-5.6	-16.3	-4.16

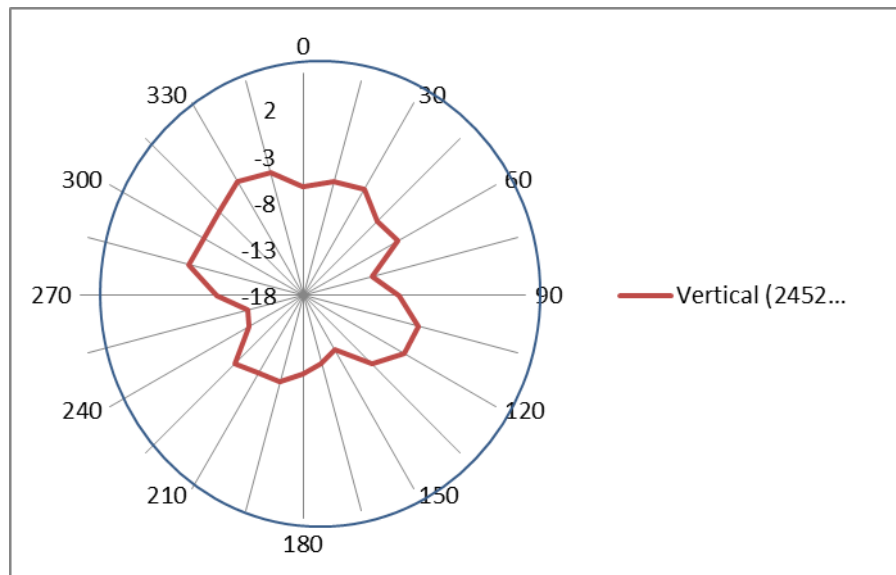
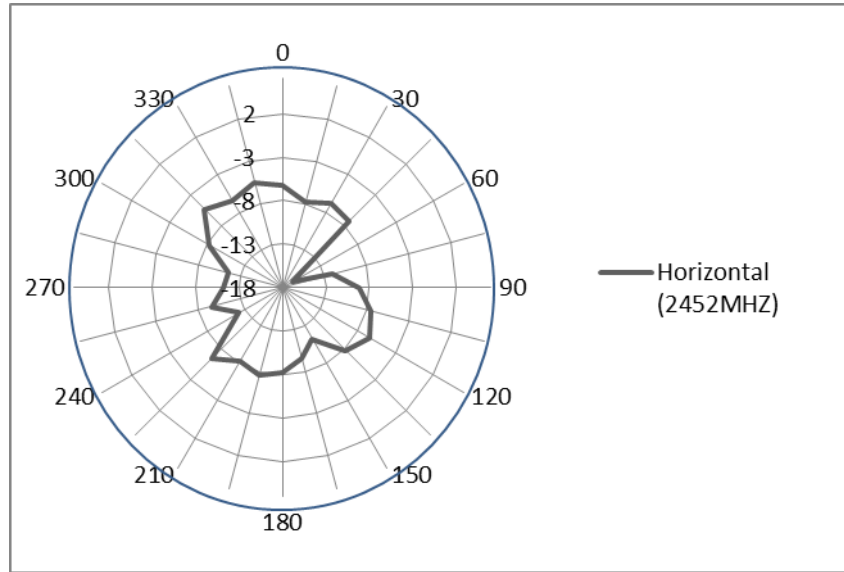


Horizontal (2452MHZ)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-6.24	-16.6	-6.46	-8.3	-12.3	-8.23

Vertical (2452 MHZ)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-6.28	-6.25	-5.35	-9.56	-11.2	-5.64



Manufacturer: Mecca Electronics Co. Ltd.

Address: Gangyang Industrial Area, Zhangmutou Town, Dongguan, China