

1. Antenna Description

Equipment	Bridgemate III server
Antenna plate	Internal antenna
Market name/Model name	BS3-1A
Manufacture	Bridge Systems BV
Antenna Max. Gain	-1.8dBi
Frequency Range	2412-2462MHz 2422-2452MHz
Connect Type	Integer antenna

2. Picture of antenna



Length*width=20mm*2mm

3. Test Setup

3.1 Microwave chamber diagram

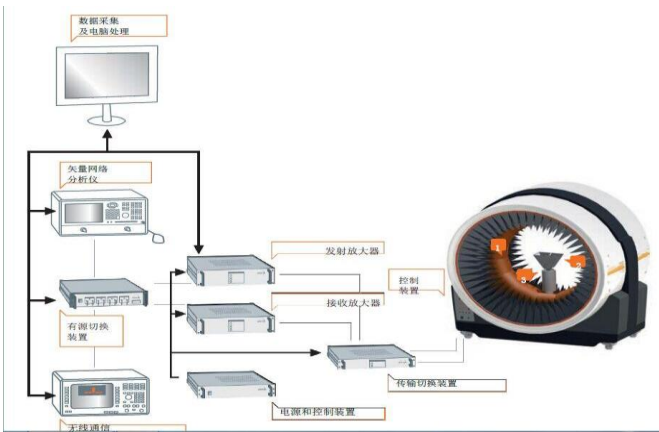


Figure 1 Wiring diagram of assembly test for microwave chamber system

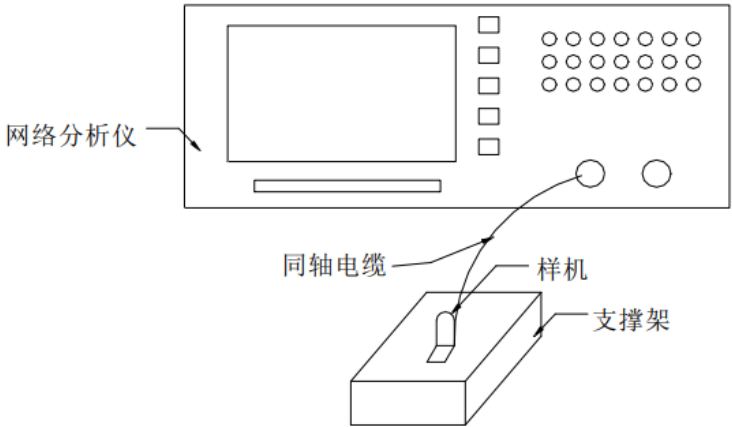


Figure 2 ANT static test connection method

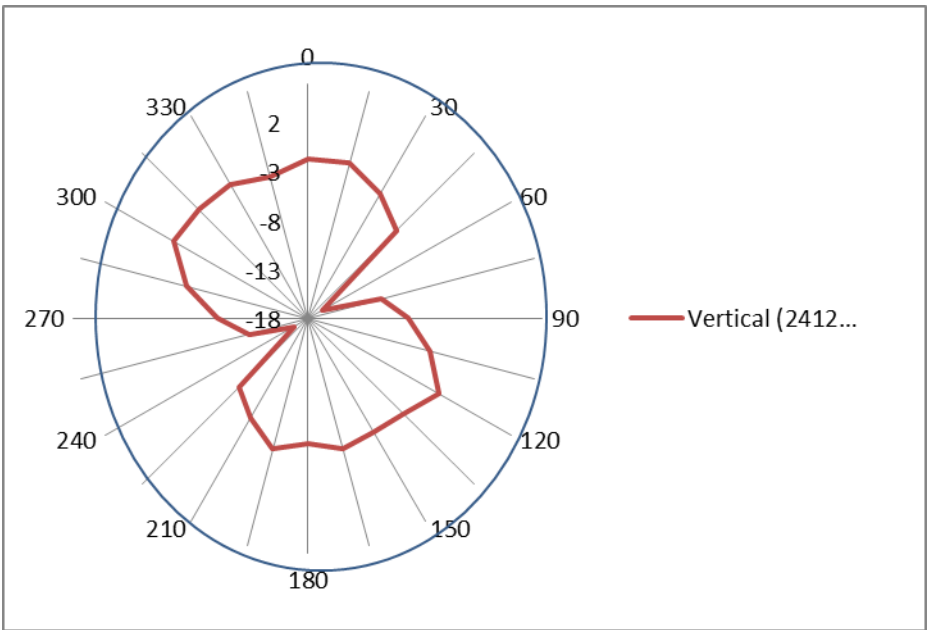
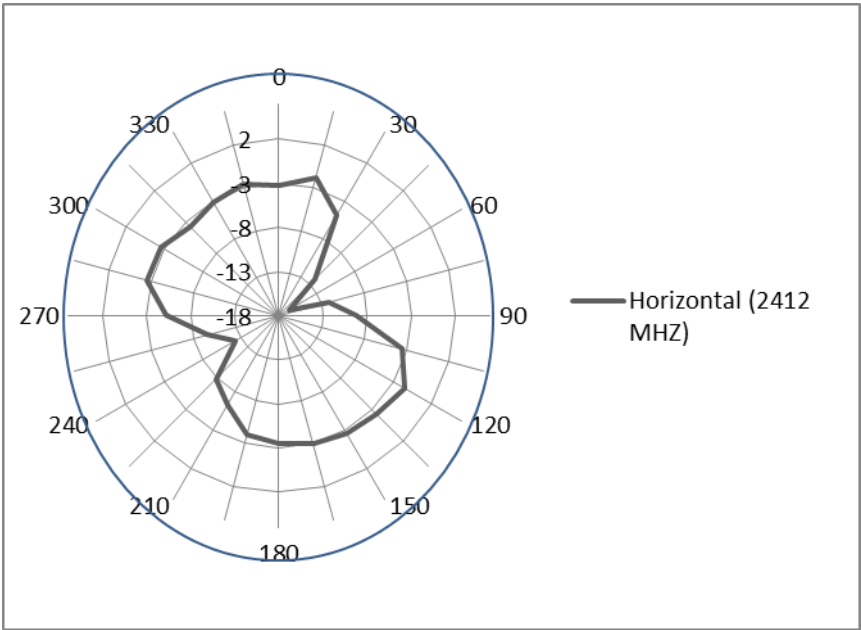
4. Antenna Radiation Pattern

Horizontal (2412 MHZ)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-3.24	-16.6	-1.46	-3.54	-12.25	-2.55

Vertical (2412 MHZ)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-1.8	-16.25	-2.55	-5.23	-16.34	-2.88

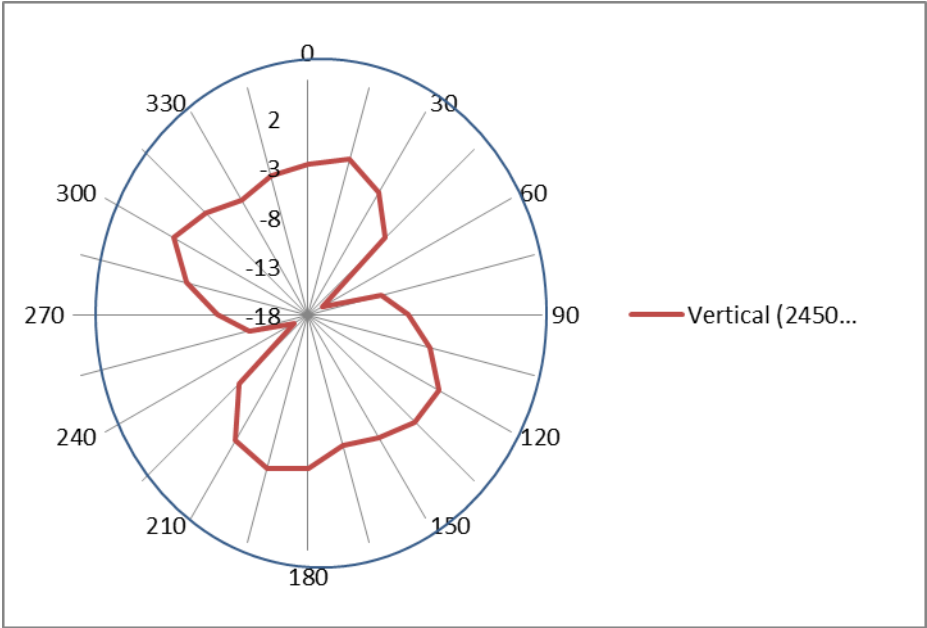
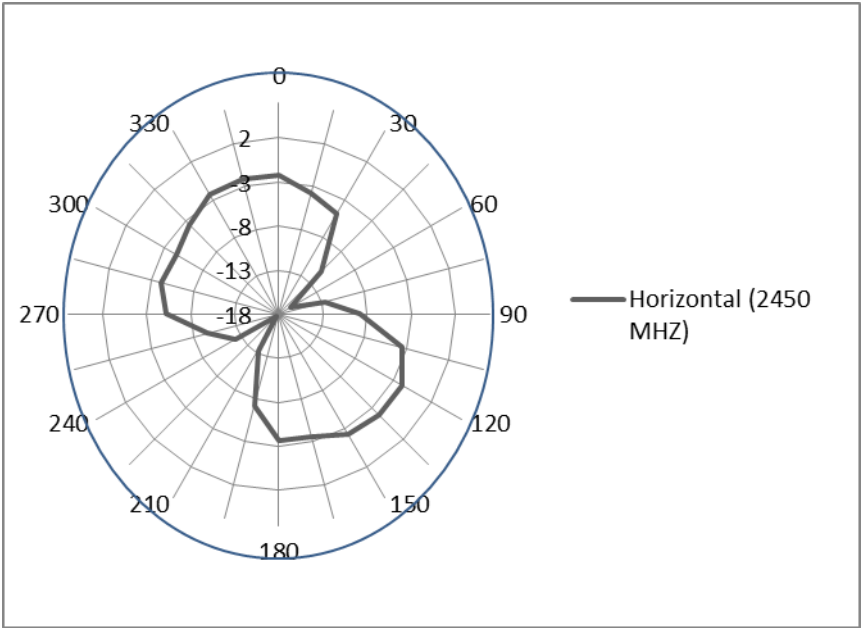


Horizontal (2450 MHz)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-2.24	-16.4	-1.87	-3.64	-12.25	-4.5

Vertical (2450 MHz)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-2.55	-16.25	-2.55	-2.35	-16.34	-2.42

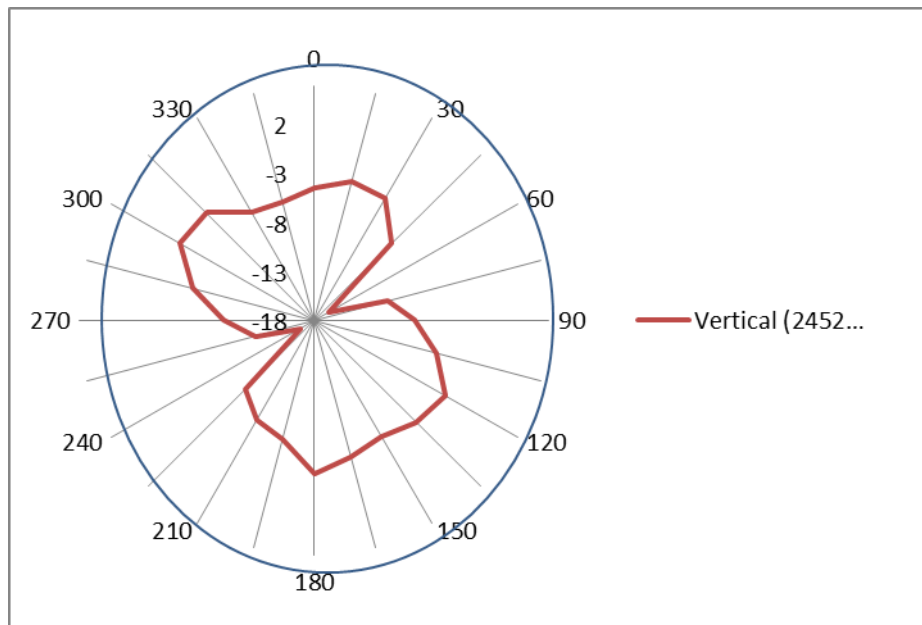
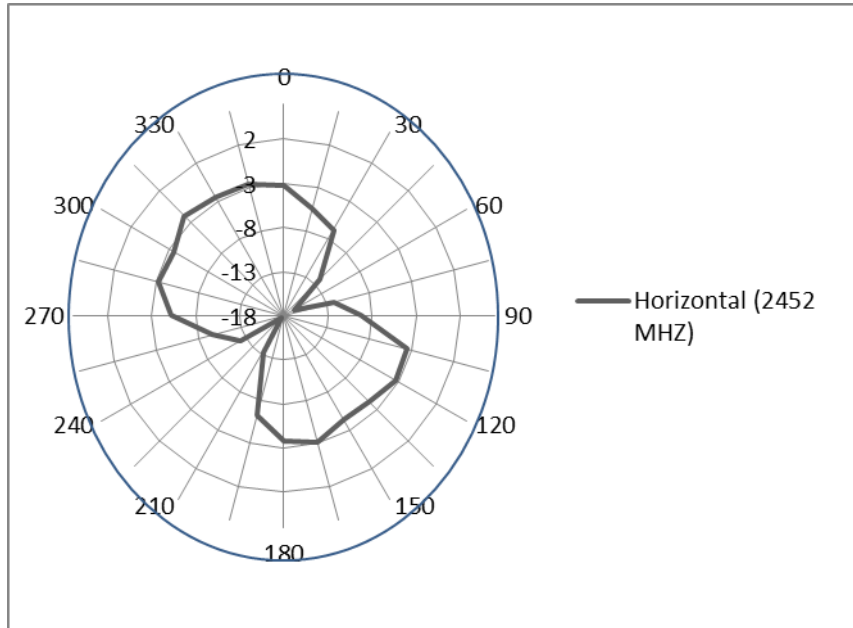


Horizontal (2452MHZ)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-3.23	-16.6	-3.4	-3.75	-12.25	-3.55

Vertical (2452 MHz)

Phi	0	60	120	180	240	300
Max Gain (dBi)	-4.45	-16.25	-2.55	-2.32	-16.34	-2.39



Manufacturer: Mecca Electronics Co. Ltd.

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