

### Submitted and Identified Information

Client: Brian Signorelli  
314 Tideland Road  
Broussard, LA 70518

Sample description: PCB Antenna  
Frequency Range 2402 MHz - 2480 MHz  
Dimensions 6.7 mm \* 12.8 mm

Requirement	Standard	Result
Submitted sample	<b>Antenna Specification as Client Request</b>	<b>Report data only</b>
	VSWR	Report data only
	Gain and Efficiency	Report data only
	Radiation Pattern	Report data only

### Laboratory Conduct

Received date: May. 9, 2023  
Technology: Steven@newpath.com.cn  
+86.17798587392  
Billing: Anna@newpath.com.cn  
+86.17798587365

Test period: May. 9, 2023 to May. 16, 2023

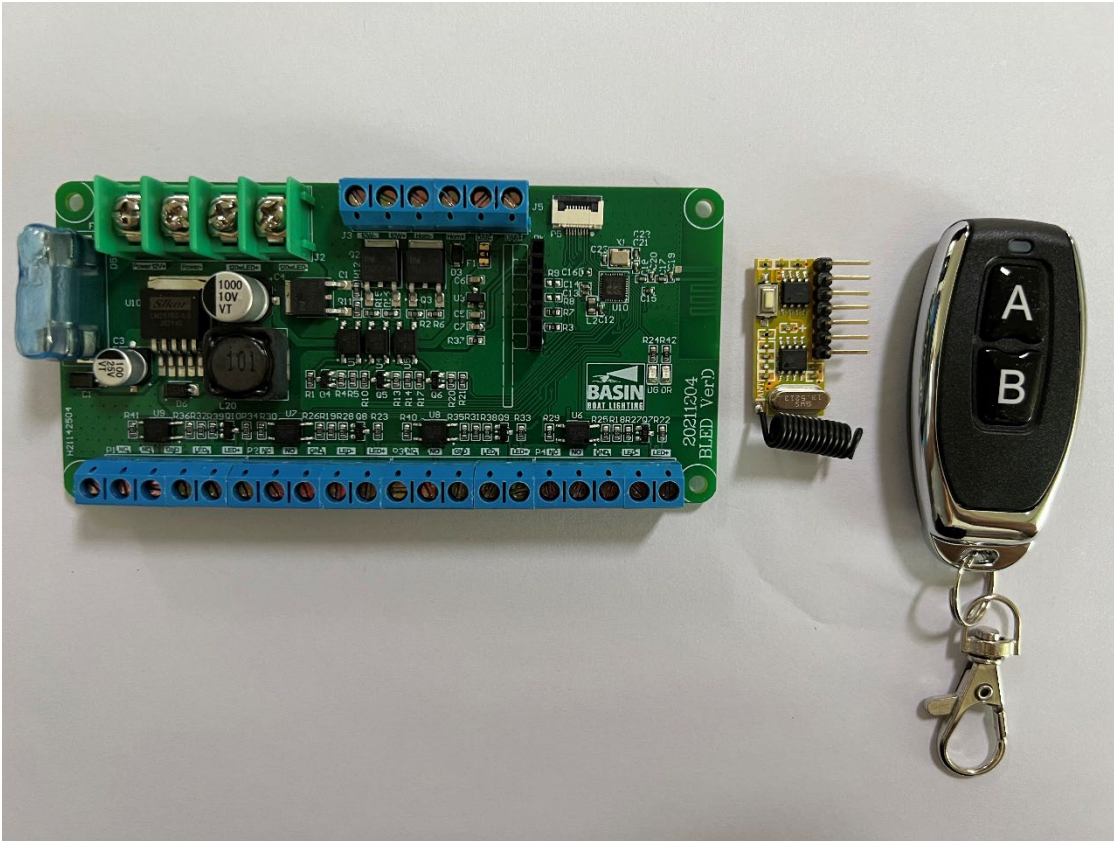
Approved by:



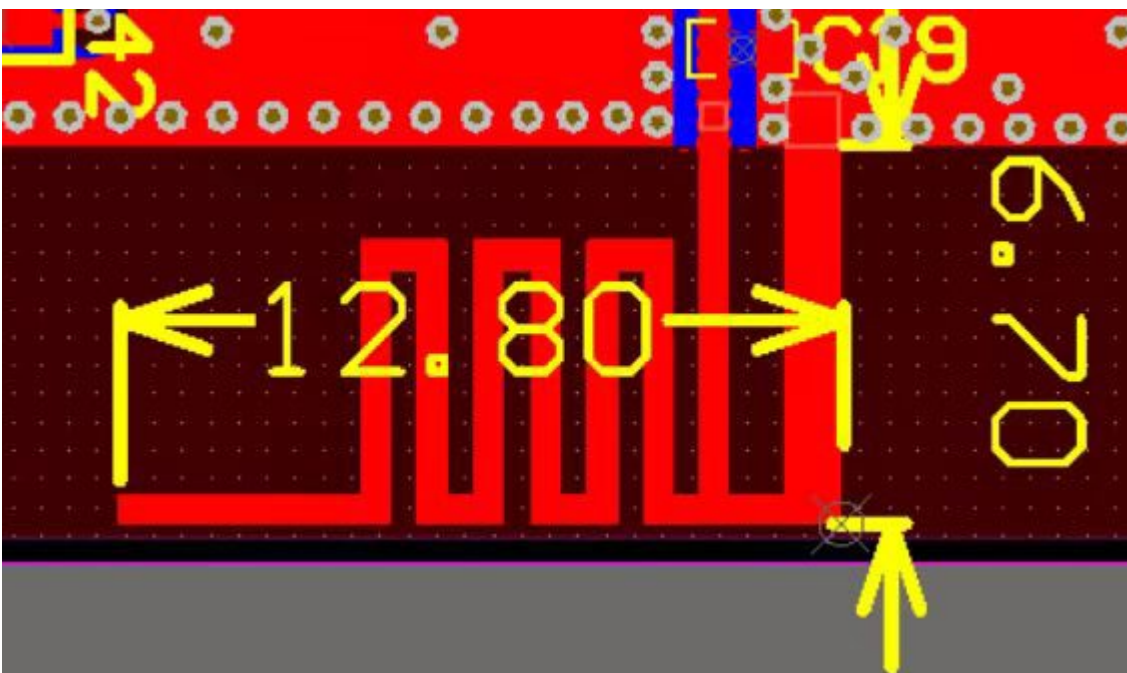
Amy Wang /Authorized Signatory, Laboratory Manager

refer to following pages for test details and appropriate notes

Picture of Sample as Received



Size in mm



## 1. VSWR

Test Frequency (MHz)	VSWR
2402	1.138:1
2410	1.214:1
2450	1.196:1
2480	1.081:1
Maximum test values	<b>1.214:1</b>

## 2. Gain and Efficiency

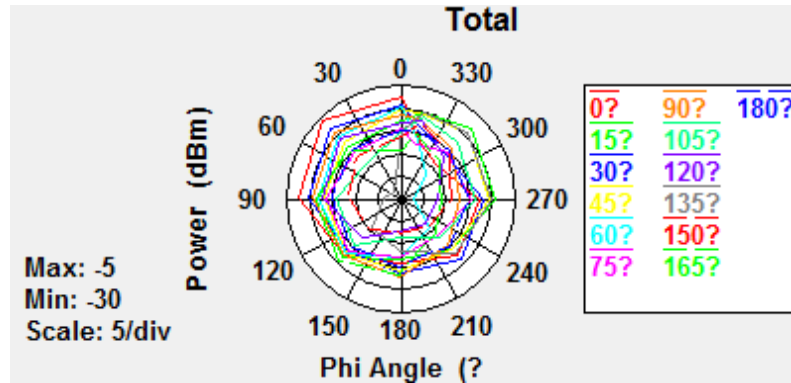
Test Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
2400	-4.331	37.230	1.554
2410	-4.269	37.766	1.450
2420	-4.454	36.188	1.170
2430	-4.321	37.320	1.298
2440	-3.899	41.130	1.744
2450	-3.723	42.834	2.052
2460	-3.787	42.209	2.017
2470	-4.058	39.652	1.774
2480	-3.760	42.472	2.098
2490	-3.602	44.055	2.449
2500	-3.384	46.320	2.853
Maximum test values	<b>-3.384</b>	<b>46.320%</b>	<b>2.853dBi</b>

### 3. Radiation Pattern

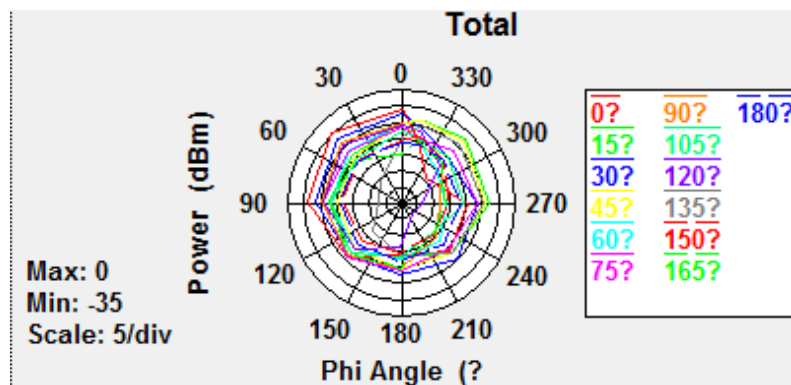
#### 3.1. 2D POLAR RADIATION PATTERN

Frequencies      Patterns

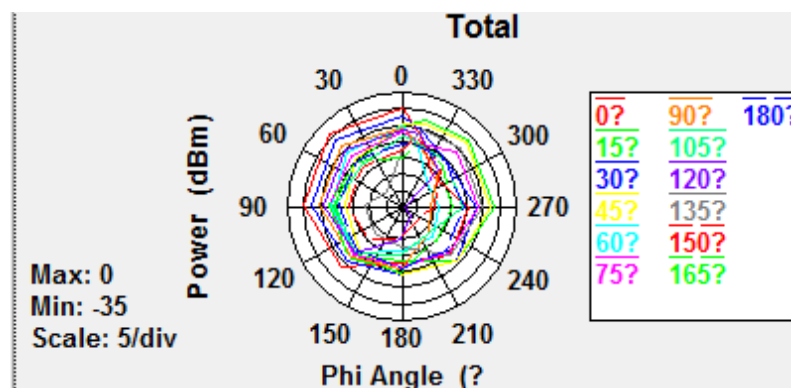
2400 MHZ



2450 MHZ



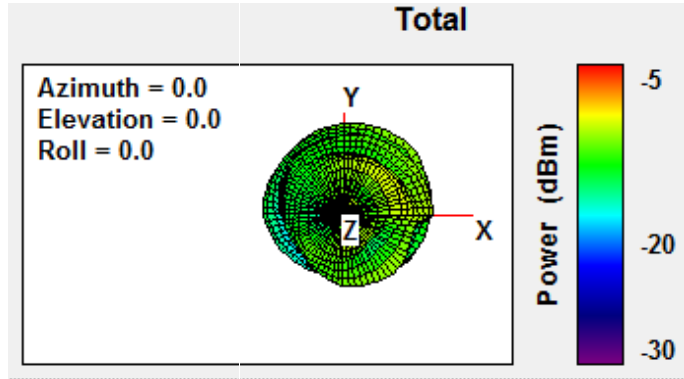
2500 MHZ



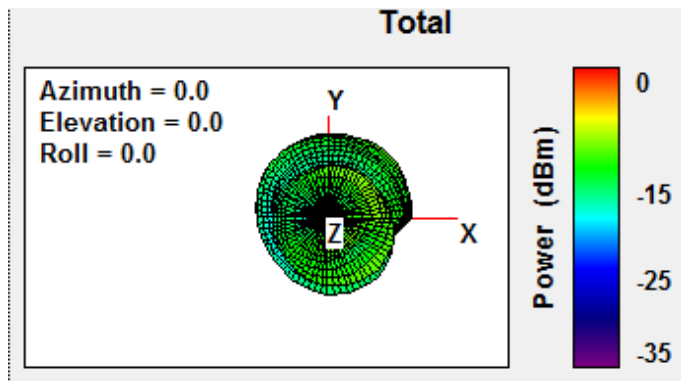
### 3.2. 3D RADIATION PATTERN

Frequencies      Patterns

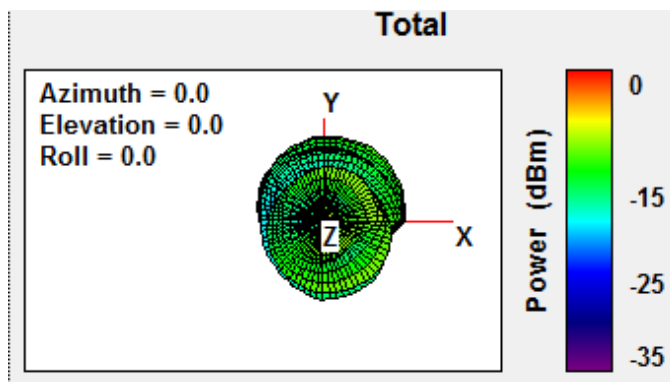
2400 MHZ



2450 MHZ



2500 MHZ



\*\*\*End of Report\*\*\*

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