

Product specification

Quick Reference Date

	Built in Antenna in BM64	
Frequenc Range	2400 ~ 2500MHz	
Efficiency (dB)	32.1%	
Gain (dBi)	2.21(Peak Gain XZ-plane)	

Manufacturer: DOLSONMUSE ELECTRONIC CO., LTD

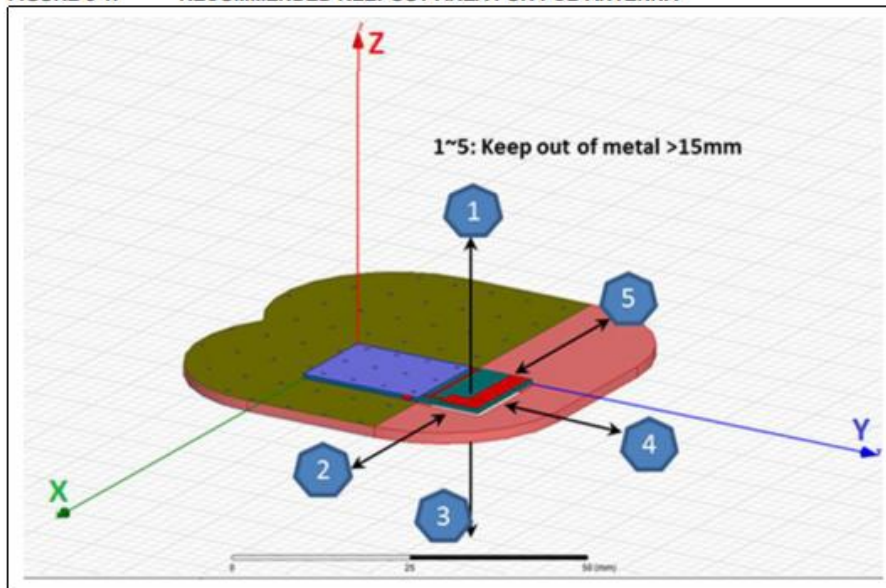
Model: MNRR4MX

All the technical data and information contained herein are subject to change without prior notice

6.1 Antenna Radiation Pattern

The BM62/64 module is integrated with one PCB printed antenna, see Figure 6-1.

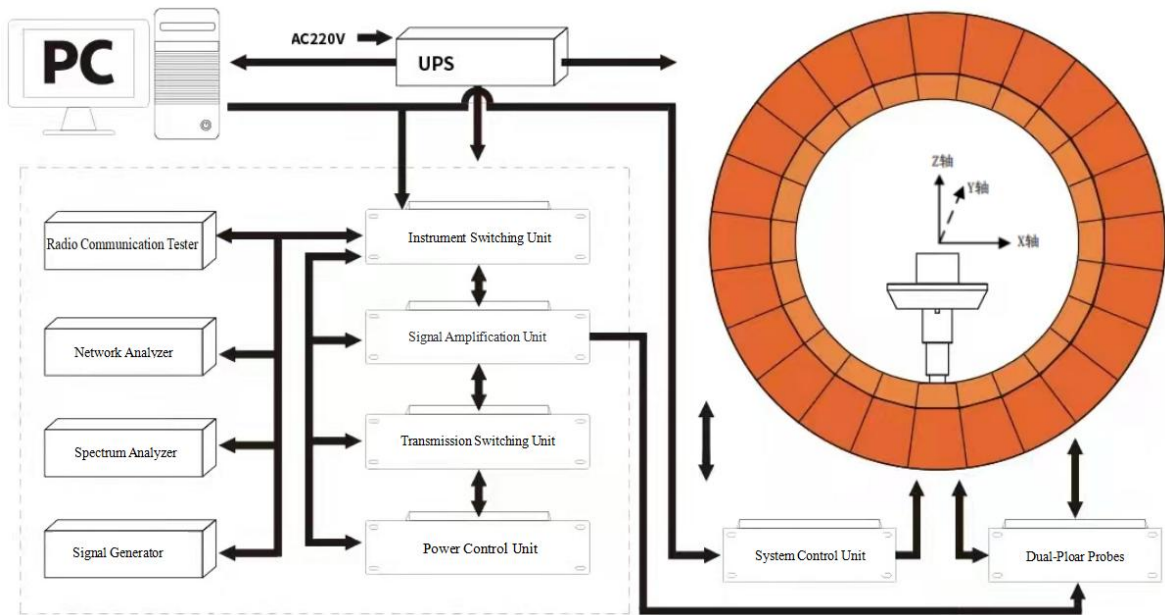
FIGURE 6-1: RECOMMENDED KEEPOUT AREA FOR PCB ANTENNA



Test Equipment

Test System	TEM 24 Multi-probe Microwave Chamber
Test Instrument	Agilent E5071B

Test Principle

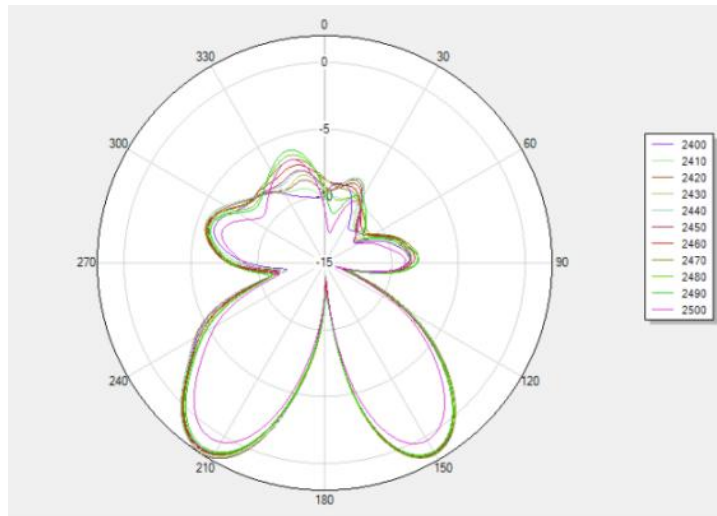


Gain and Efficiency

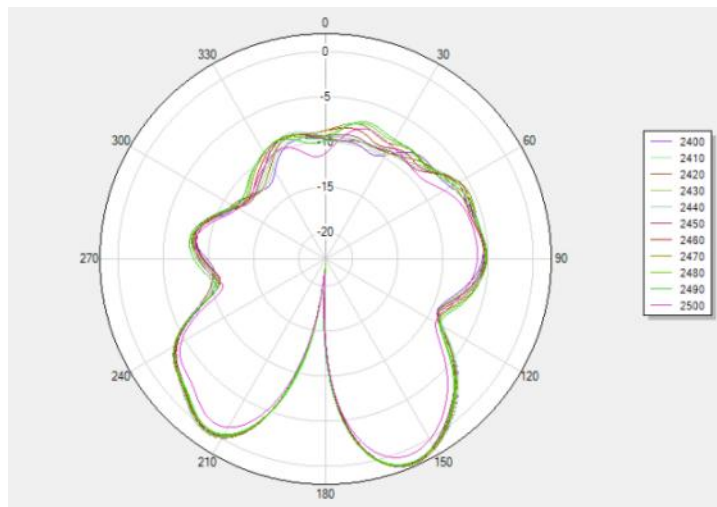
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	2.11	32.36
2410	2.18	32.3
2420	2.21	32.1
2430	2.06	32.4
2440	2.07	32.9
2450	1.91	30.9
2460	2.04	30.8
2470	2.09	30.7
2480	1.98	31.6
2490	1.91	30.6
2500	1.03	30.5

Radiation Pattern

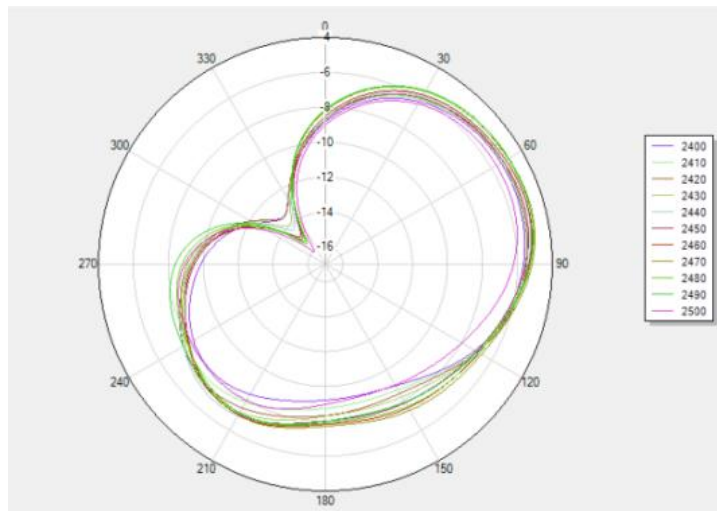
Phi 0 2D



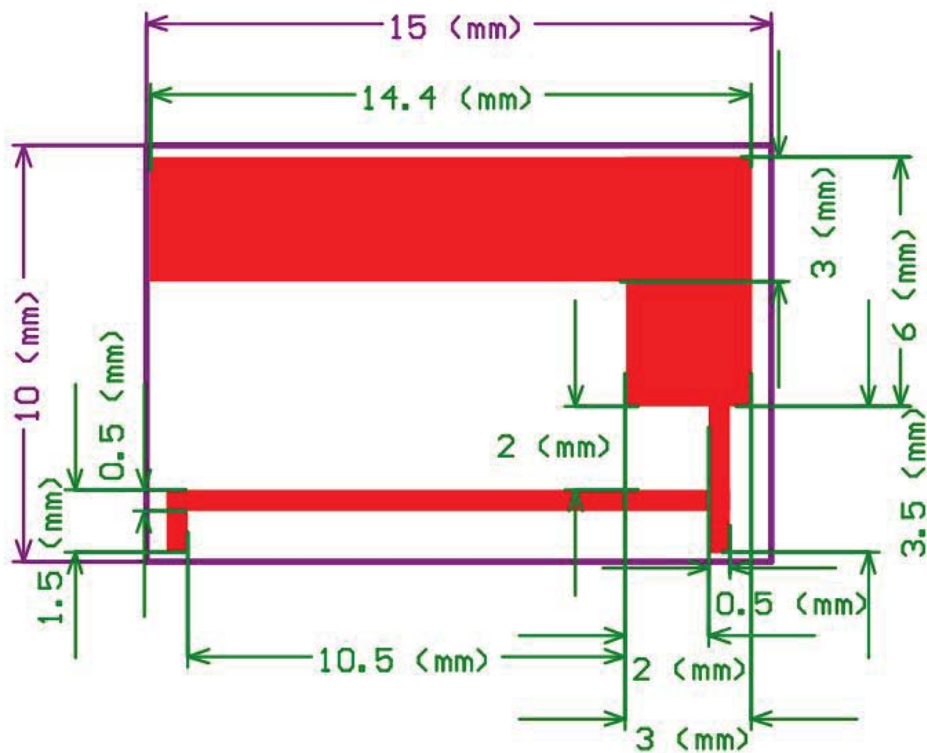
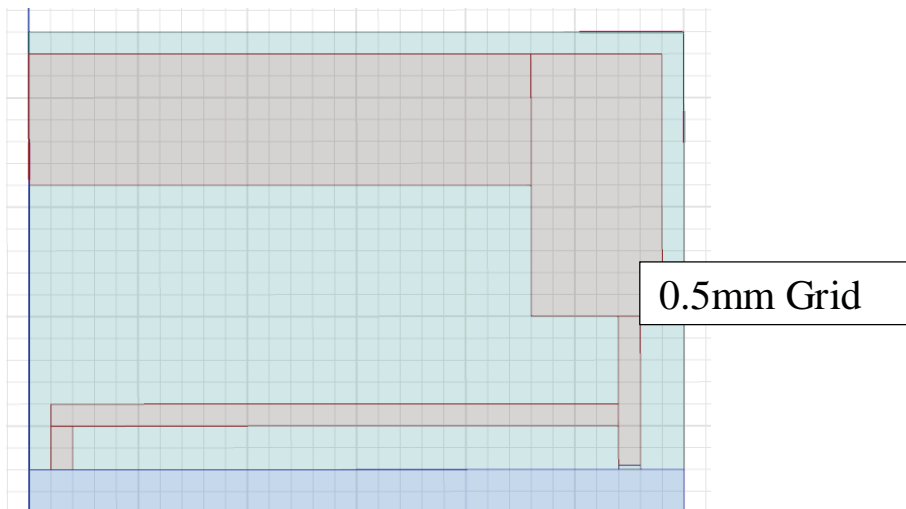
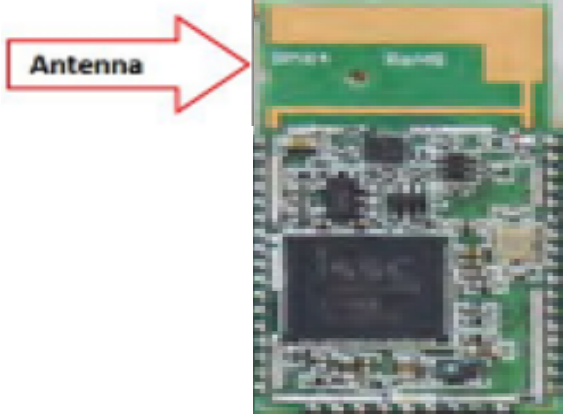
Phi 90 2D



Theta 90 2D



EUT Photo



Test Setup Photo

