



# TVC2-TX Antenna Report

*MERRY Sounds Excellent*

*Presented by : Merry RF*

*Date : 2022.09.15*



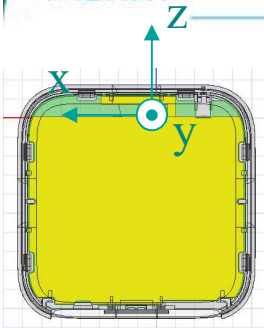
# Table of Contents

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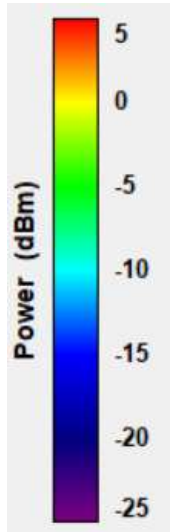
- Antenna Design & measured results(S11 and antenna pattern)
- Summary table
- Conclusion
- Manufacturer and Model number



# 3D Radiation pattern



XY-plane	XZ-plane	YZ-plane





# Summary table

	Antenna performance			
	Antenna Type	Inverter F		
Frequency	2.4GHz	2.44GHz	2.48GHz	
<b>MX-666 R3</b>	<b>Peak Gain</b>	3.38 dBi	3.35 dBi	2.8 dBi
	<b>Efficiency</b>	63.9 %	64.59 %	61.19 %



# Conclusion

According to the measured results, the conclusions are as follows:

1. The average antenna efficiency is around 65%
2. The peak gain of the antenna is 3.38 dBi @ 2400 MHz, 3.35 dBi @2440MHz, 2.8dBi @2480MHz



# Manufacturer and Model No.

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Antenna Manufacturer:

Merry Electronics (Shenzhen) Co., Ltd. The Second Longhua Branch

Address: Floor 1~5, Building A & B, Merry Industrial Park, Huarong Road, Dalang Street, Longhua New District, Shenzhen City, Guangdong Province, China

Model number of the antenna:

MX-666 R3

***Thank You***

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