



SPECIFICATION

Antenna Manufacturer Name	T2 Mobile Limited
Address	6F Building C, No.232 Liangjing Road, Zhangjiang High-tech Park, Shanghai 201203, China
ODM P/N:	WIFI0 F-KA-A0-1476-000-00 WIFI1 F-KA-A0-1475-000-00 Charmander-NFC F-2W-A0-1495-000-K0/RFID: B13167-40
Test DATE	2025.3.10
DATASHEET REVISION	

Test software:



EMQuest EMQ-100 Pattern Measurement Softwar

Saisai.Zou

Test Engineer: saisai.zou



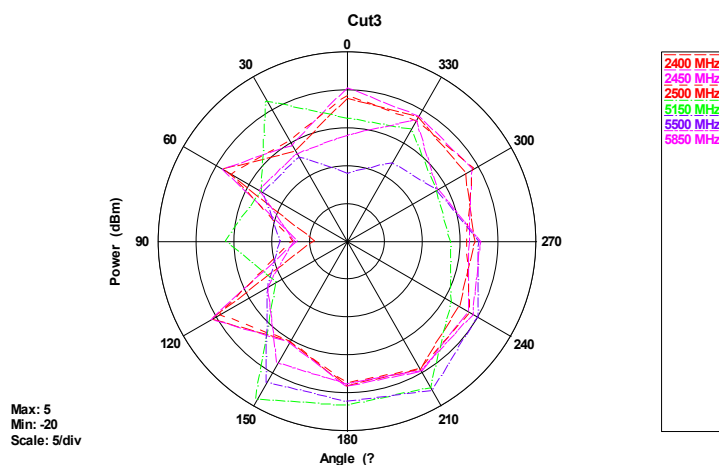
Description of Antenna

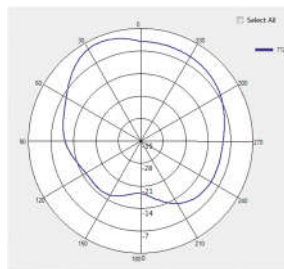
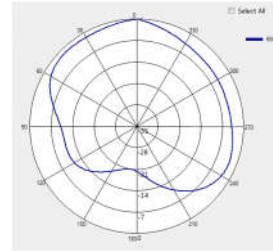
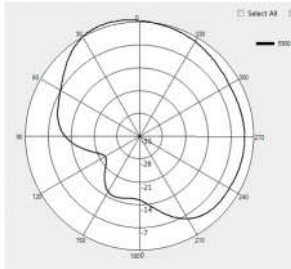
Frequency Range	2400MHz-2500MHz 5150MHz-5850MHz 5925MHz-7125MHz
Impedance	0ohm
Antenna type	IFA
Process	LDS

WiFi and BT Antenna 0 Gain:

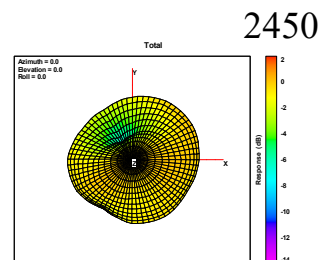
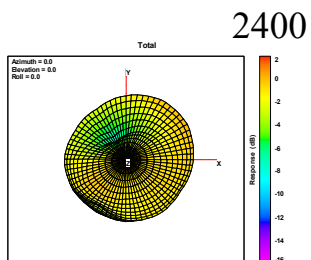
Frequency (MHz)	Peak Gain (dBi)
2450	1.70
5150	3.39
5350	3.28
5500	3.23
5850	3.44
6200	3.38
6500	3.33
6700	2.55
7125	0.29

2D





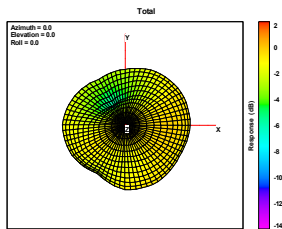
3D



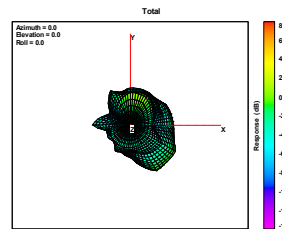


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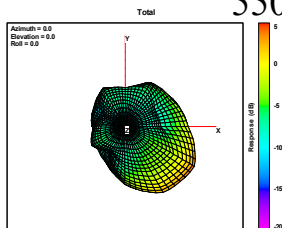
2500



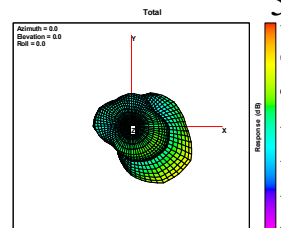
5150



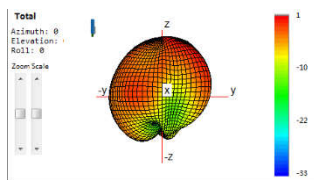
5500



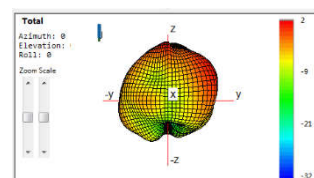
5850

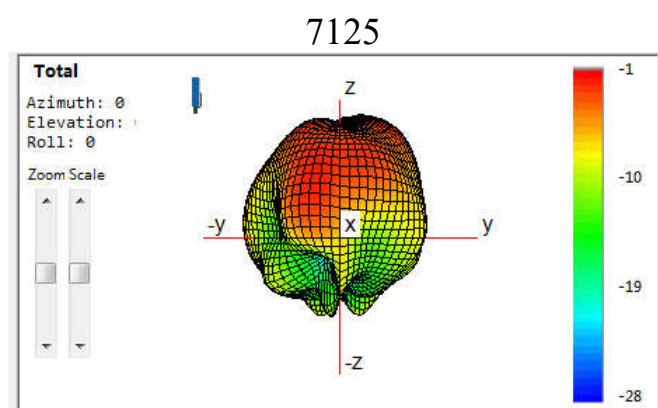


5900



6500





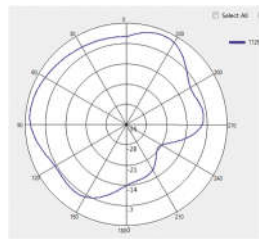
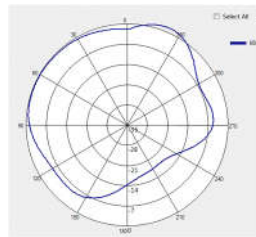
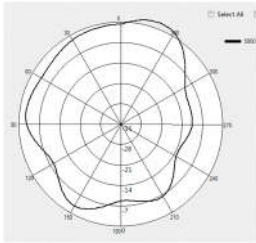
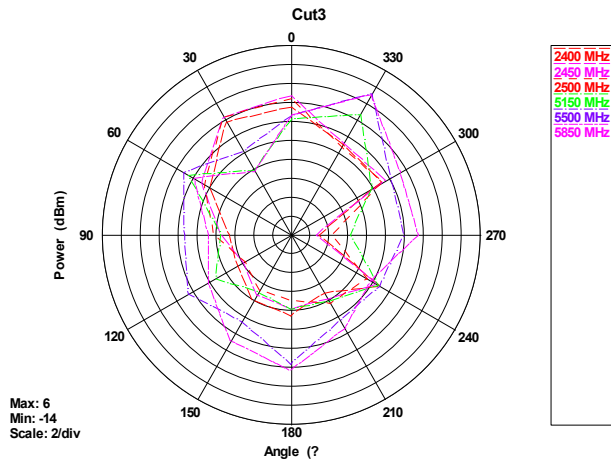
WiFi Antenna 1 Gain:

Frequency (MHz)	Peak Gain (dBi)
2450	1.93
5150	1.80
5350	2.21
5500	2.31
5850	1.81
6200	3.14
6500	1.37
6700	2.69
7125	-0.43

2D



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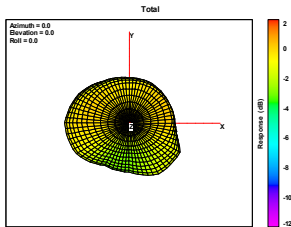




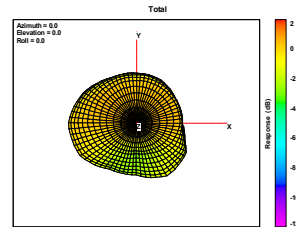
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3D

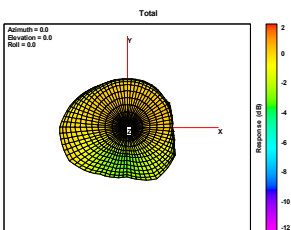
2400



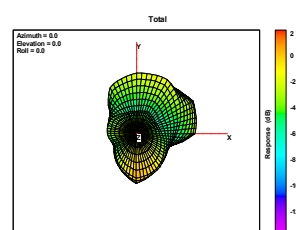
2450



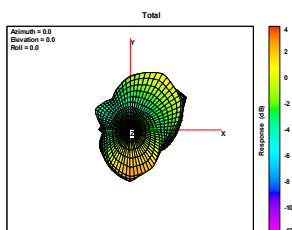
2500



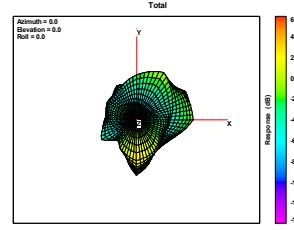
5150



5500



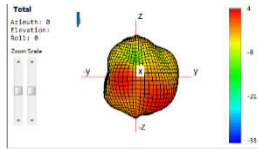
5850



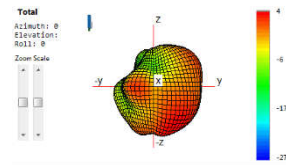


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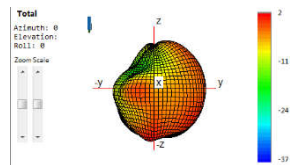
5900



6500



7125





NFC antenna

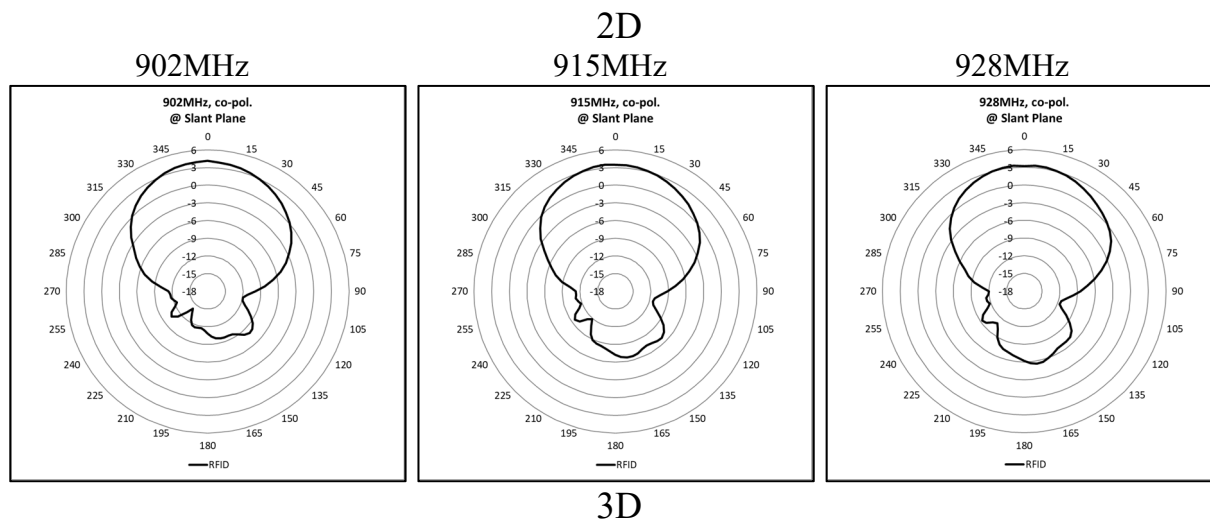
ODM P/N	Charmander-NFC F-2W-A0-1495-000-K0
Ant. Type	FPC+ Ferrite
Ant. size	90mmx30mmx0.55mm

Test Environment, list of calibrated test equipment

RFID antenna peak Gain (dBi)

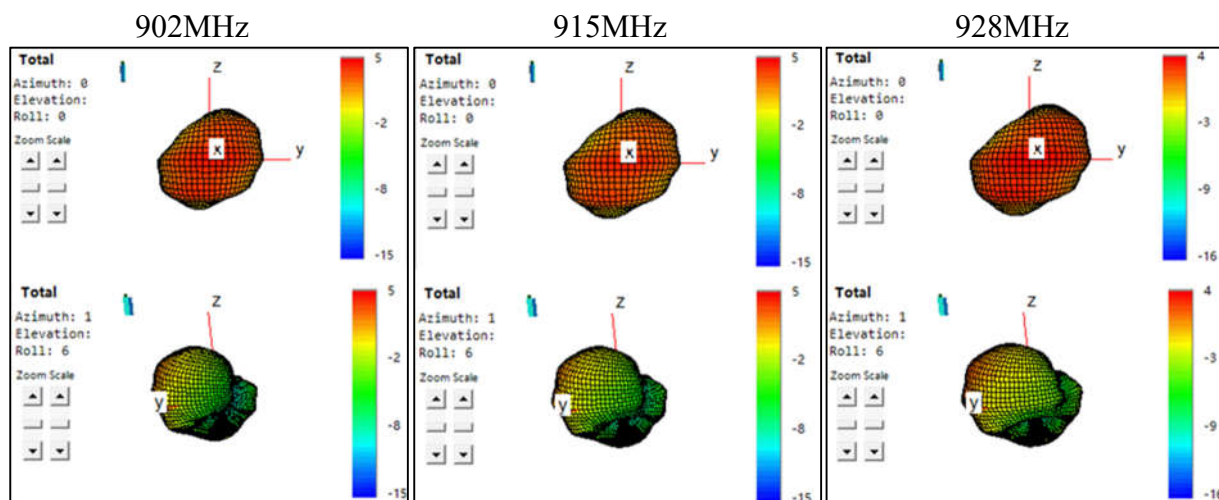
ODM P/N:	B13167-40
Frequency Range	902MHz-928MHz
Impedance	50ohm
Antenna type	Yagi-Uda
Process	PCB

Frequency (MHz)	Peak Gain (dBi)
902	4.02
915	3.38
928	3.12





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Test Environment, list of calibrated test equipment

Test Environment: Rohde & Schwarz ZNB8

Test Environment: GTS Rayzone 2800

Last Calibration date: 2025/4/7

Next Calibration date: 2025/10/13

Test Environment: ETS-Lindgren

Test Environment: Temperature 18-23 °c Celsius humidity 40%-70%

Last Calibration date: 2024/08/01

Next Calibration date: 2025/08/01

Test Engineer: Terence Liu