



Zebra Technologies Corporation

SPECIFICATION

Antenna Manufacturer Name	T2Mobile Limited
Address	6F Building C, No.232 Liangjing Road, Zhangjiang High-tech Park, Shanghai 201203, China
ODM P/N:	BQA3B40A12C0 ANT7+ANT8 LDS BQA3B20A1HC0 ONLY ANT6 LDS F-0W-A0-1532-000-K0 NFC STD F-0W-A0-1511-000-K0 NFC VALUE
Test DATE	2025.12.26
DATASHEET REVISION	

Test Software: EMQuest EMQ-100



EMQuest EMQ-100 Pattern Measurement Softwar

Huahua Hu

Test Engineer: Huahua Hu



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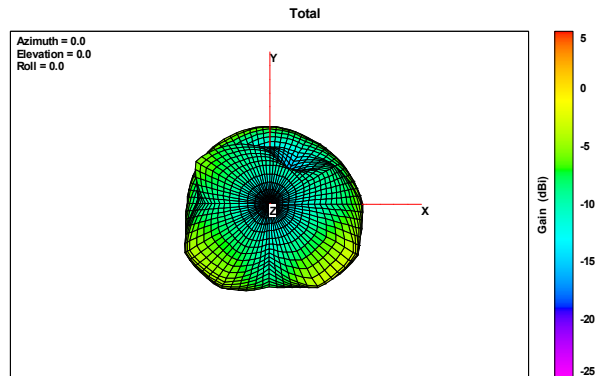
Description of Antenna

A6 antenna peak Gain (dBi)

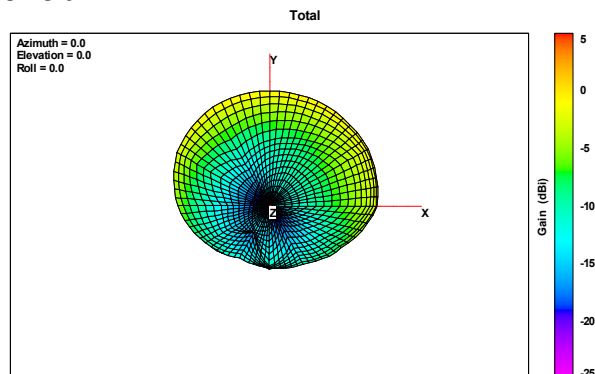
Frequency Range	WIFI(2.4G) (2400-2500MHZ) WIFI(5G/6e) (5150-7125MHZ)
Antenna type	IFA

Band	Peak Gain(dBi)
WIFI 2.4G(2400~2500MHz)	2.35
WIFI 5G(5150~5250MHz)	0
WIFI 5G(5250~5350MHz)	-0.3
WIFI 5G(5470~5725MHz)	-0.1
WIFI 5G(5725~5850MHz)	-1.2
WIFI 6e(5850~5925MHz)	-1.7
WIFI 6e(5925~6425MHz)	0.2
WIFI 6e(6425~6525MHz)	0.6
WIFI 6e(6525~6875MHz)	0
WIFI 6e(6875~7125MHz)	-0.5

2400MHz



5150 MHz

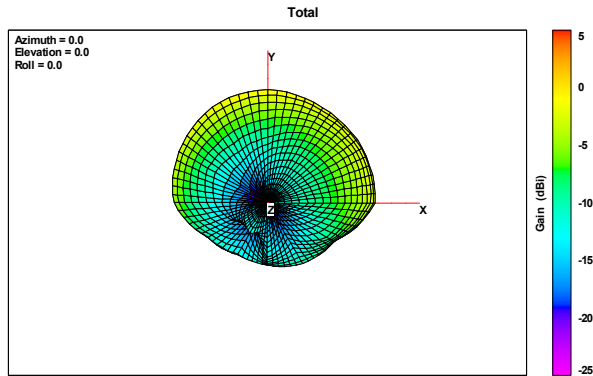




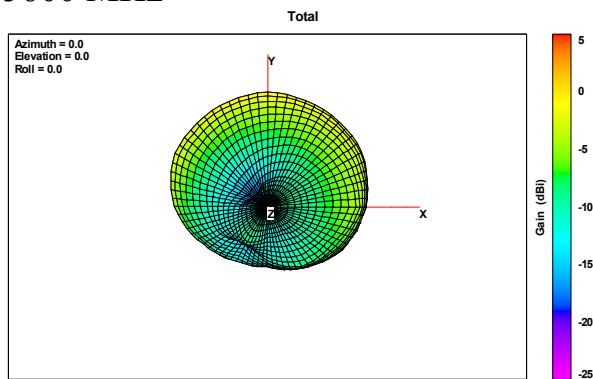
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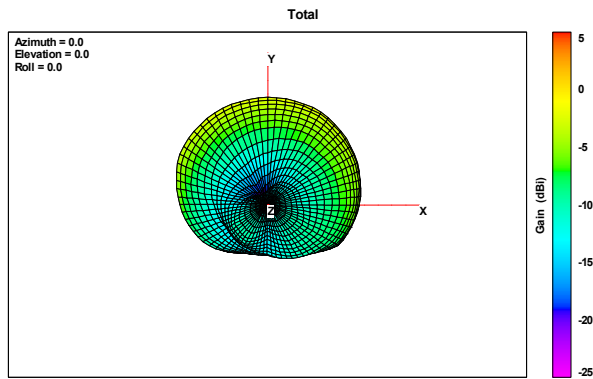
5250 MHz



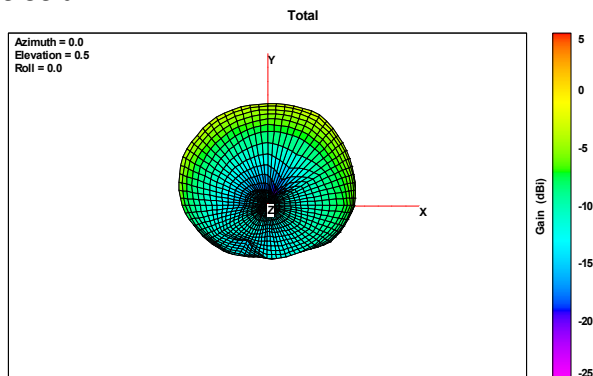
5600 MHz



5750 MHz



5850 MHz

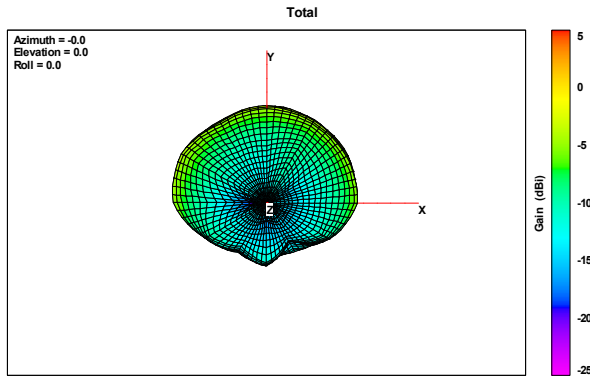




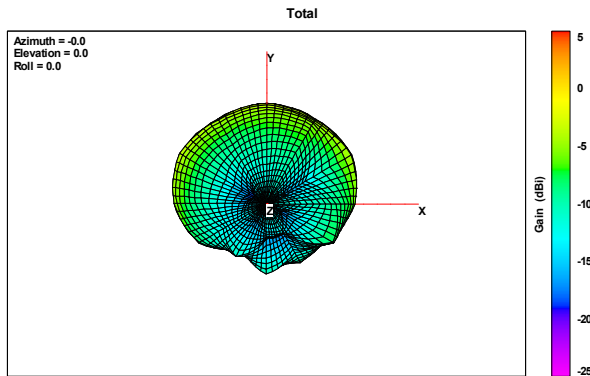
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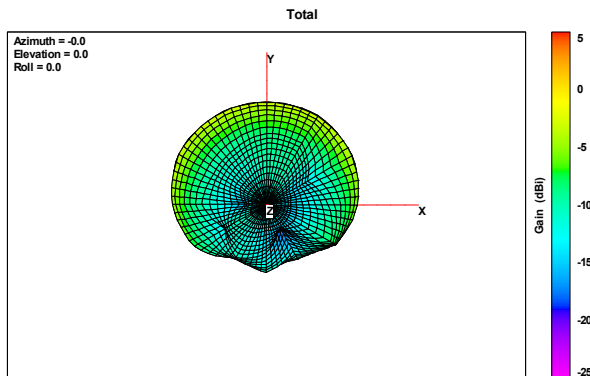
6400 MHz



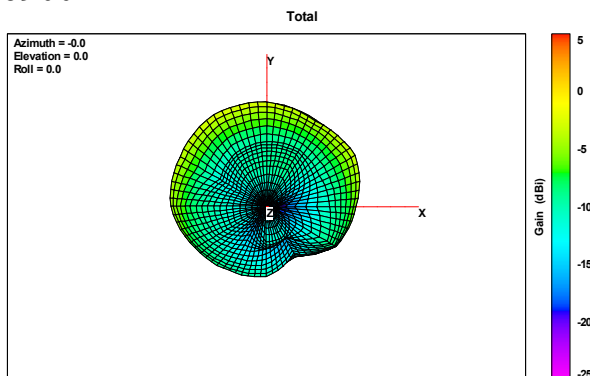
6450 MHz



6600 MHz



6900 MHz





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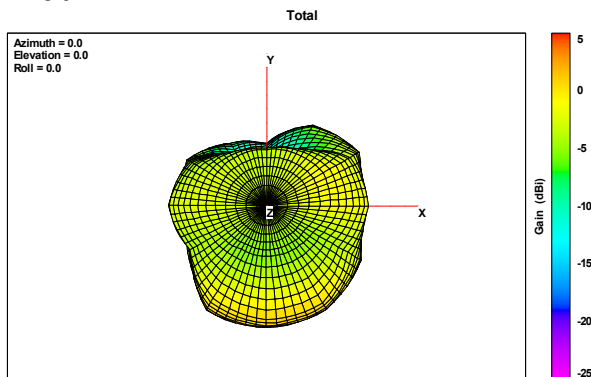
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A7 antenna peak Gain (dBi)

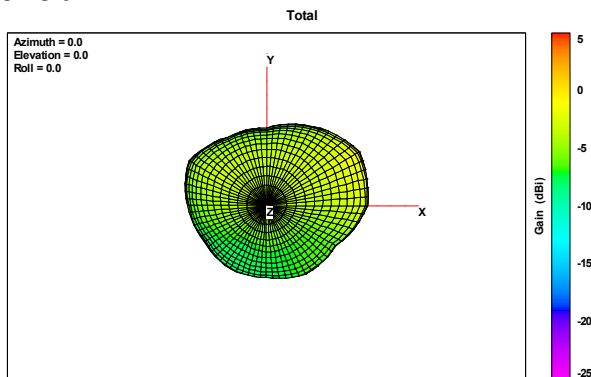
Frequency Range	WIFI(2.4G) (2400-2500MHZ) WIFI(5G/6e) (5150-7125MHZ)
Antenna type	IFA

Band	Peak Gain(dBi)
WIFI 2.4G(2400~2500MHz)	2.6
WIFI 5G(5150~5250MHz)	-1.4
WIFI 5G(5250~5350MHz)	-1.3
WIFI 5G(5470~5725MHz)	0.3
WIFI 5G(5725~5850MHz)	0
WIFI 6e(5850~5925MHz)	-0.6
WIFI 6e(5925~6425MHz)	-0.3
WIFI 6e(6425~6525MHz)	-0.6
WIFI 6e(6525~6875MHz)	-0.4
WIFI 6e(6875~7125MHz)	-0.2

2460MHz



5250 MHz

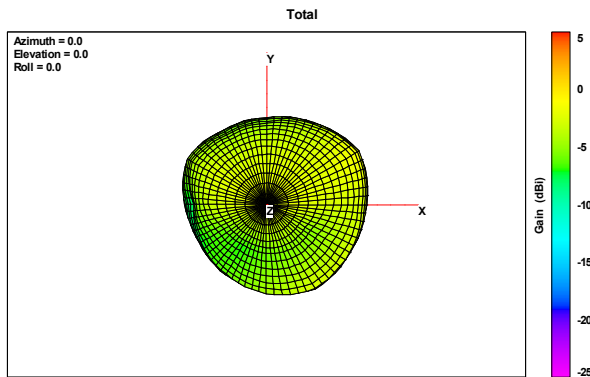




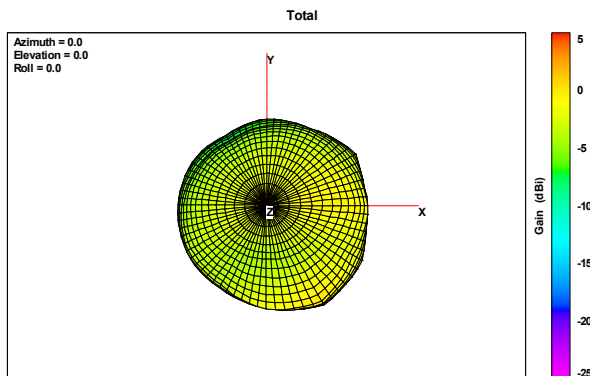
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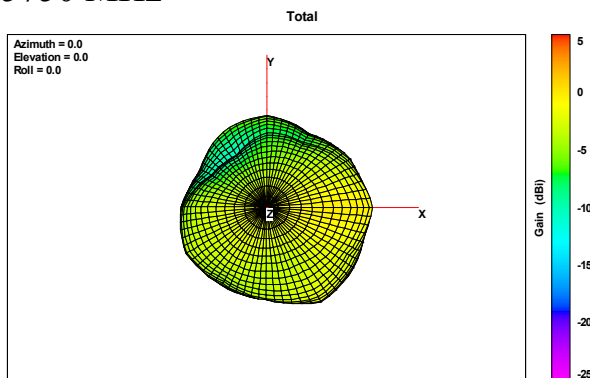
5350 MHz



5600 MHz



5750 MHz

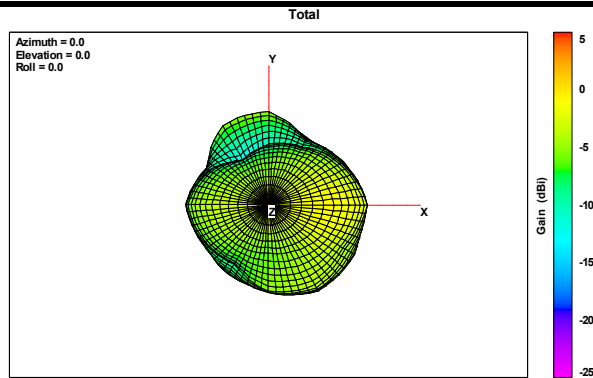


5850 MHz

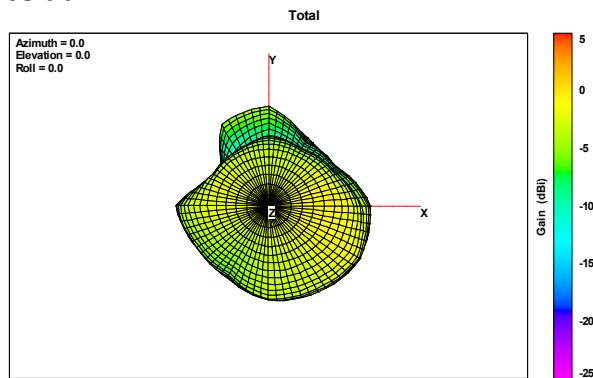


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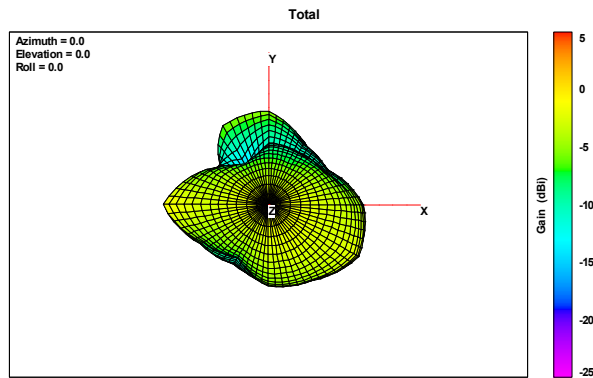
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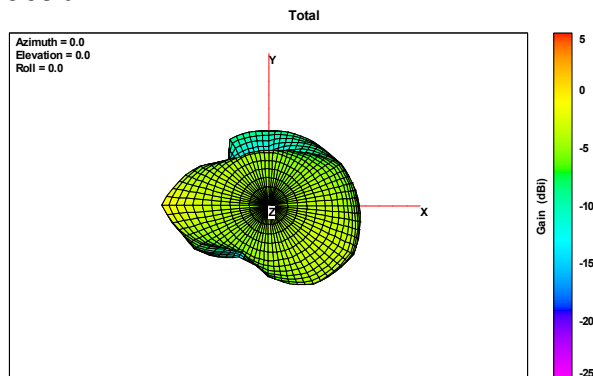
6300 MHz



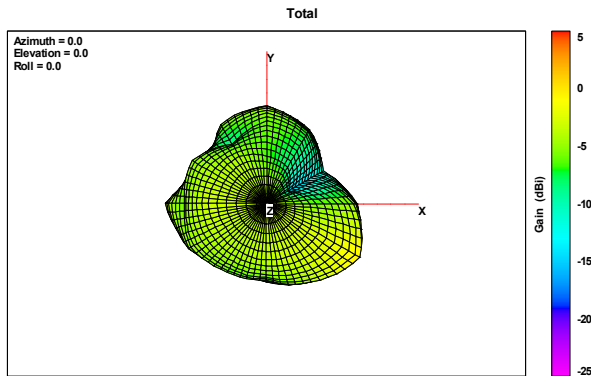
6525 MHz



6650 MHz



7050 MHz

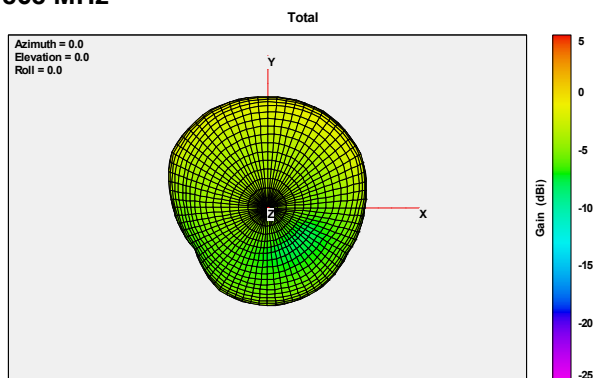


A8 antenna RFID peak Gain (dBi)

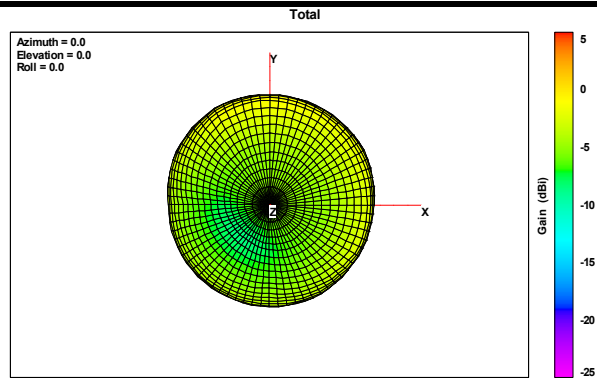
Antenna type	IFA
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WWAN RFID Peak Gain (dBi)			
868 MHz	-1.23		
915 MHz	-0.86		
920 MHz	-0.86		

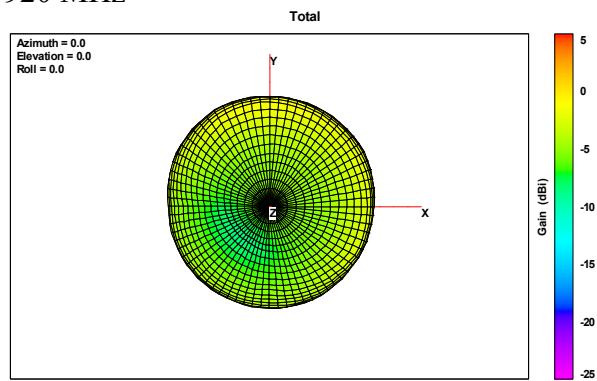
868 MHz



915 MHz



920 MHz





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STD: A11 NFC

Type	Dimension(mm)
Loop	Coil size: 68*68

Value : A11 NFC

Type	Dimension(mm)
Loop	Coil size: 65*65



Test Environment, list of calibrated test equipment

Test Environment: E5071C

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

Last Calibration date:	2025/03/01
Due Calibration date:	2025/12/31
Next Calibration date:	2025/12/01

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

Test Environment: ETS-LINDGREN

Last Calibration date:	2025/03/01
Due Calibration date:	2025/12/31
Next Calibration date:	2025/12/01