



Mobile antenna Antenna Specifications

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Modal information

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Active performance

test data

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24



Antenna information

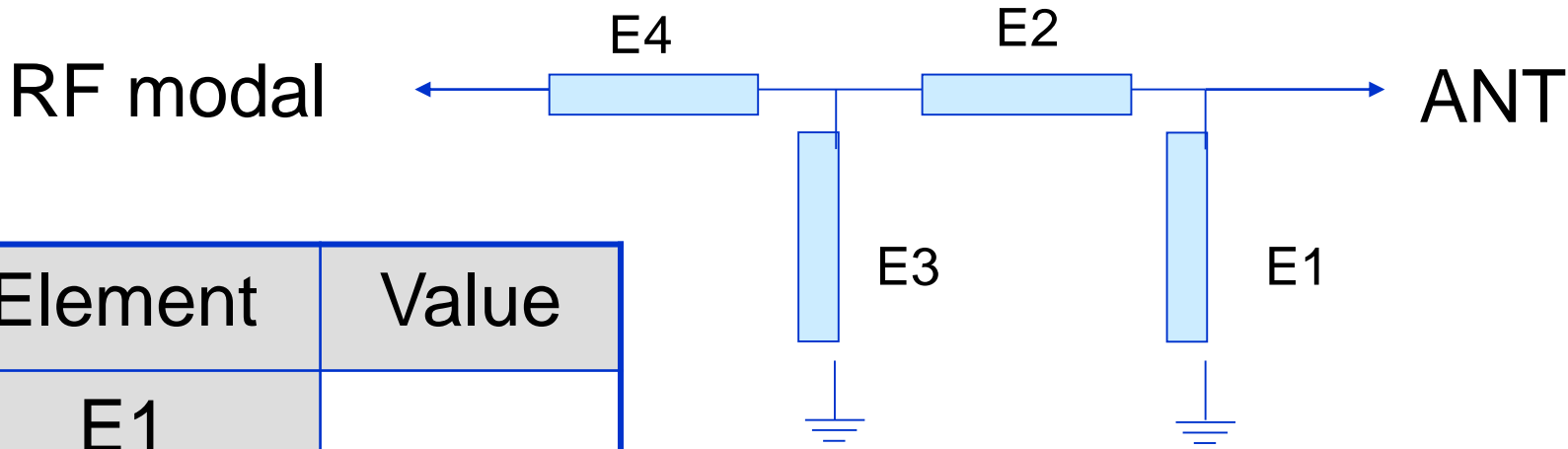
Customer	Boat of wealth
Antenna model	FPC
Antenna type	PIFA
Antenna band	

frequency range (MHz)	617–960	1710–1800	2500–2700
VSWR	<3.0	<3.0	<3.0

Antenna information

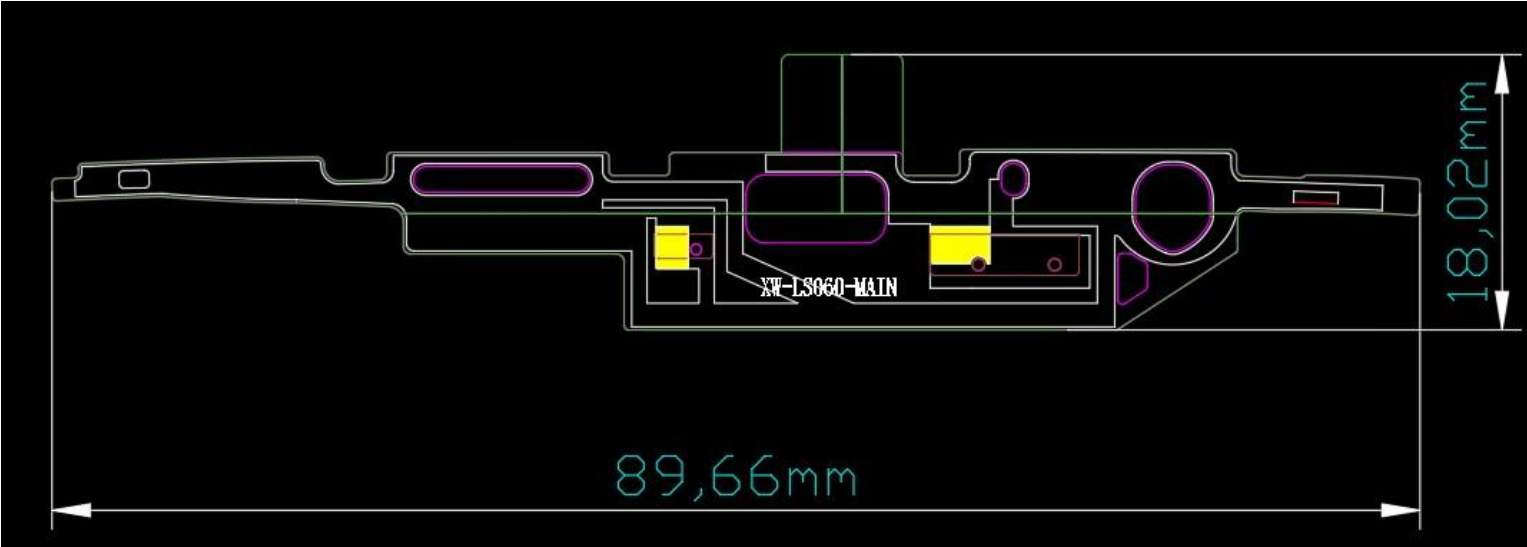
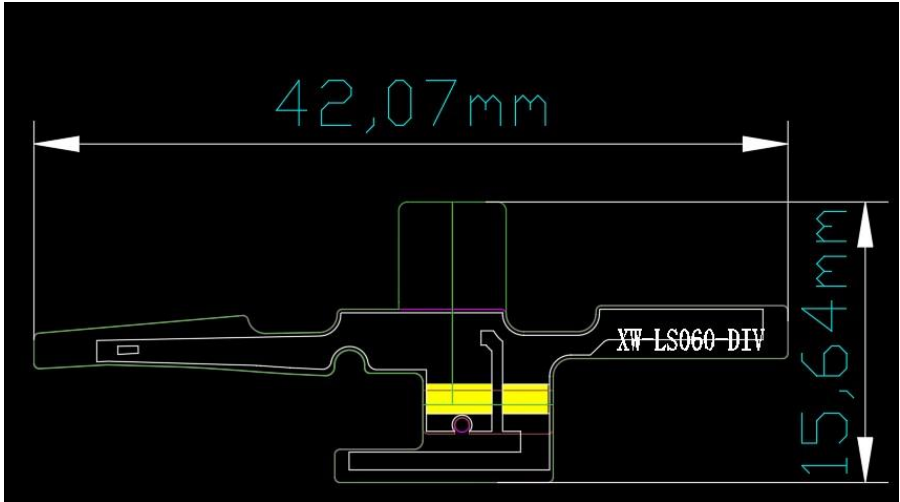
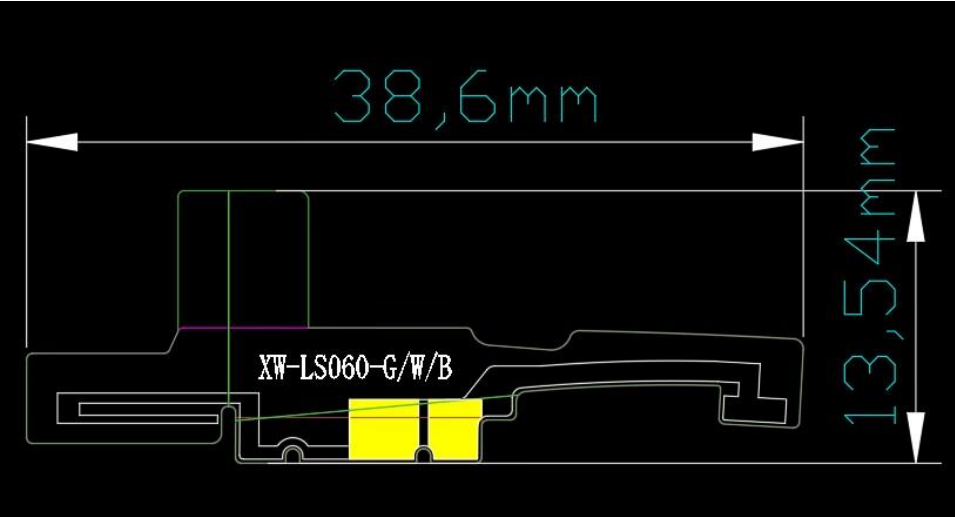
Customer	Boat of wealth
Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM900/1800/850/1900+WCDMA- B1/B2/B4/B5+LTE- B2/B4/B5/B12/B13/B17/B25/B26/B 66/B71/B41

Matching circuit (No modification)



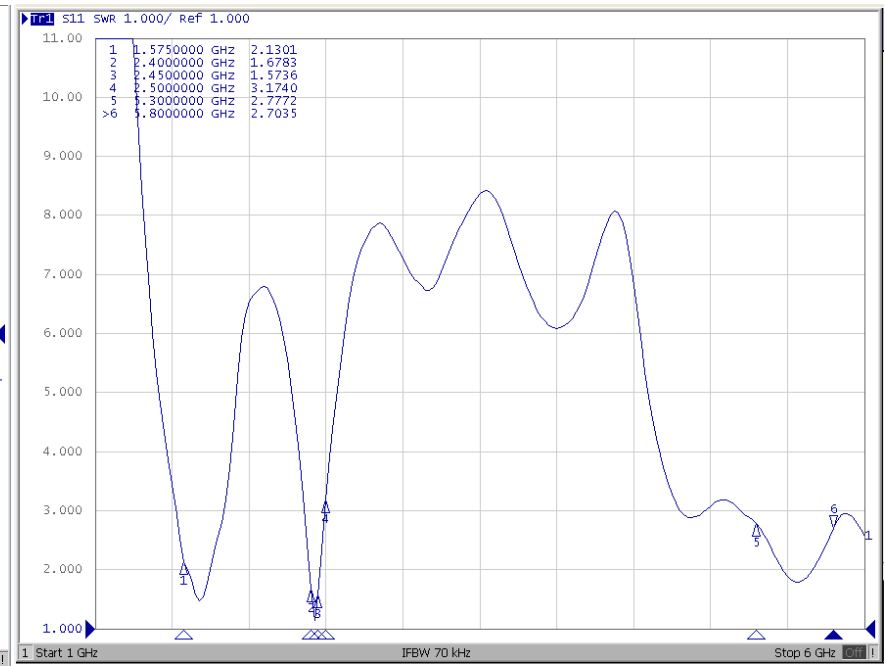
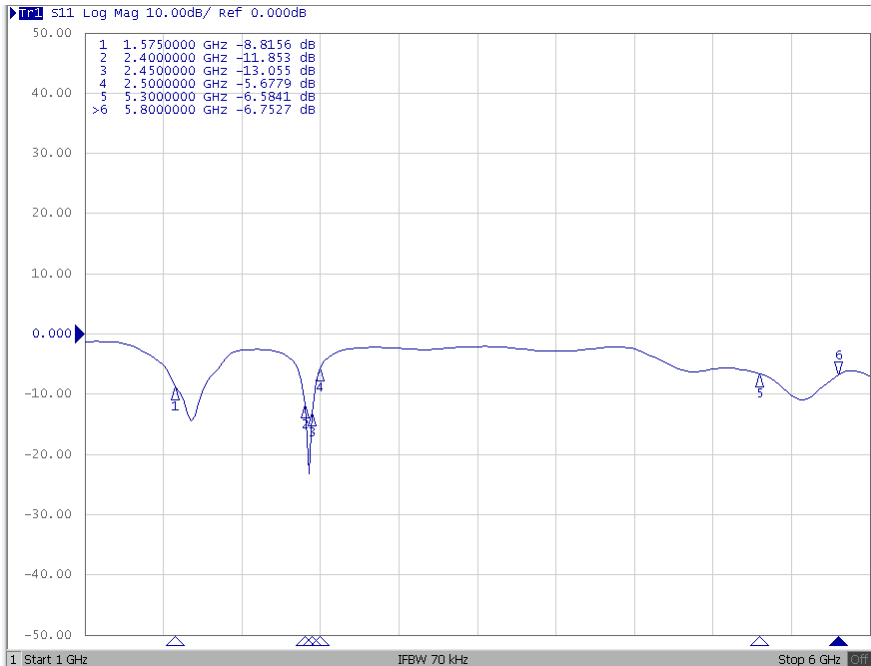
Element	Value
E1	
E2	
E3	
E4	

Antenna dimension drawing



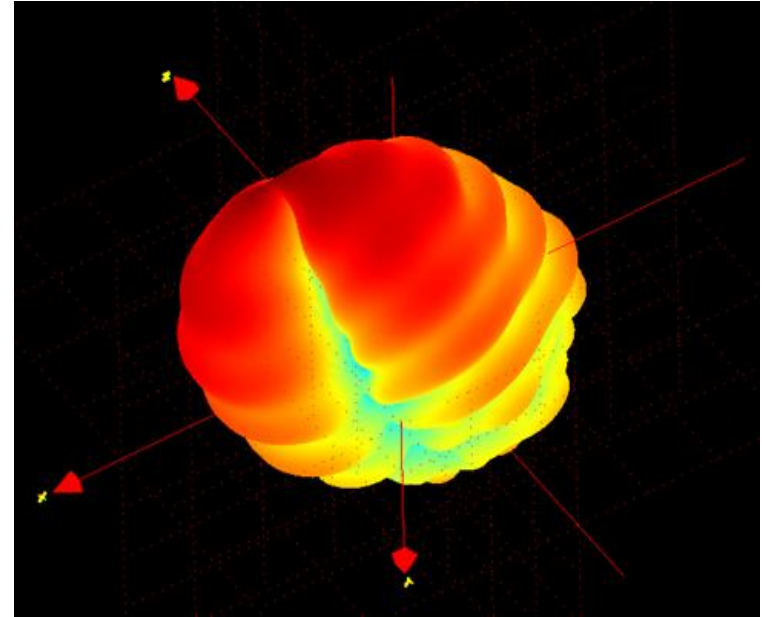
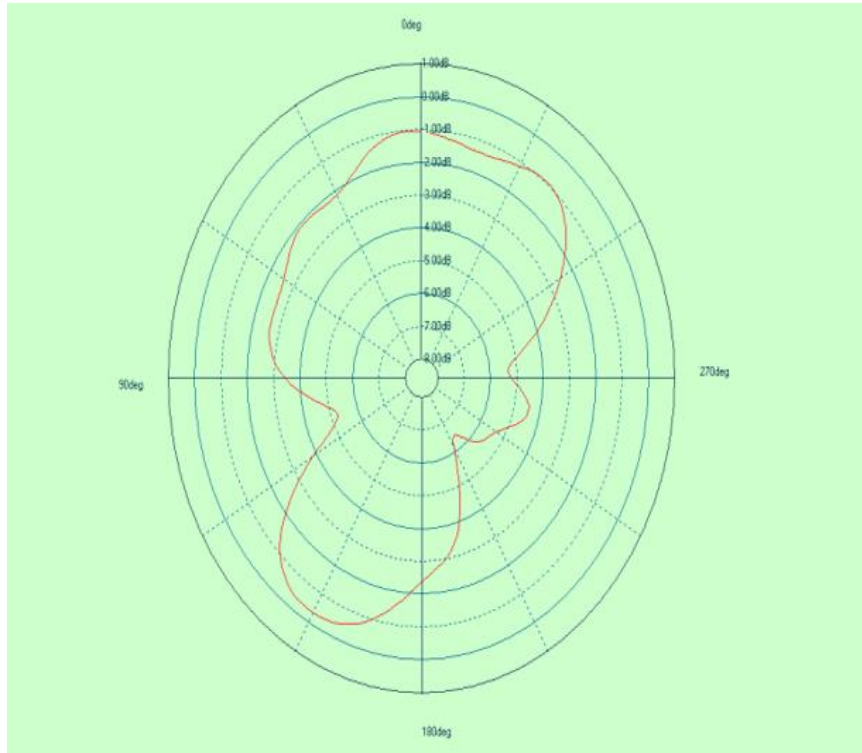
2、 Passive data

2.1 WIFI/BT antenna Return Loss & VSWR(2400-2500M)



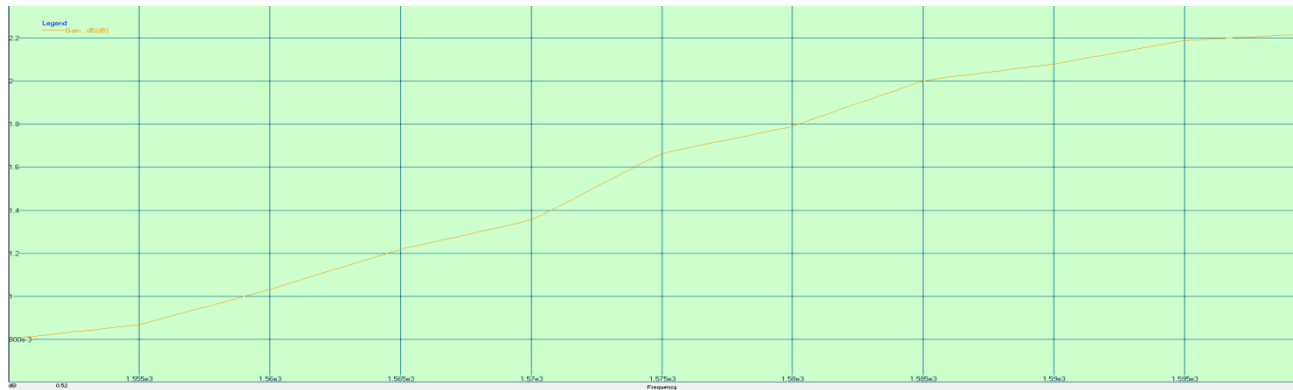
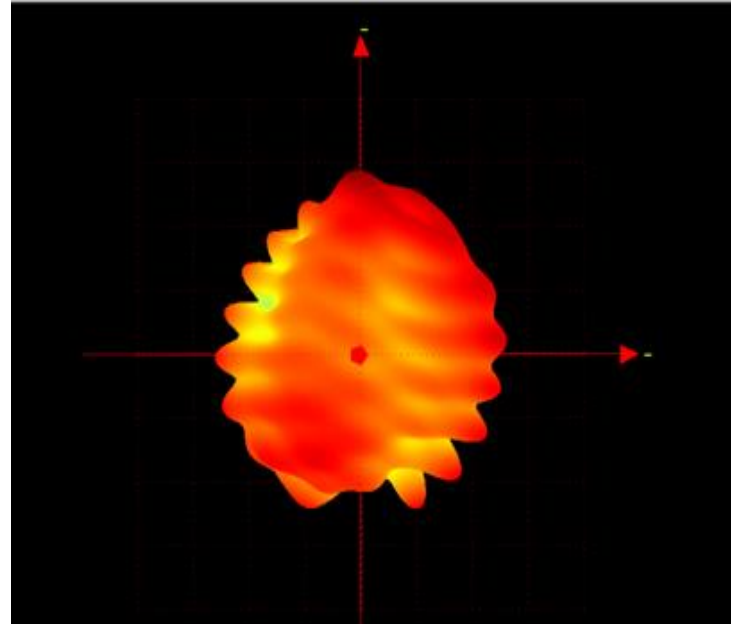
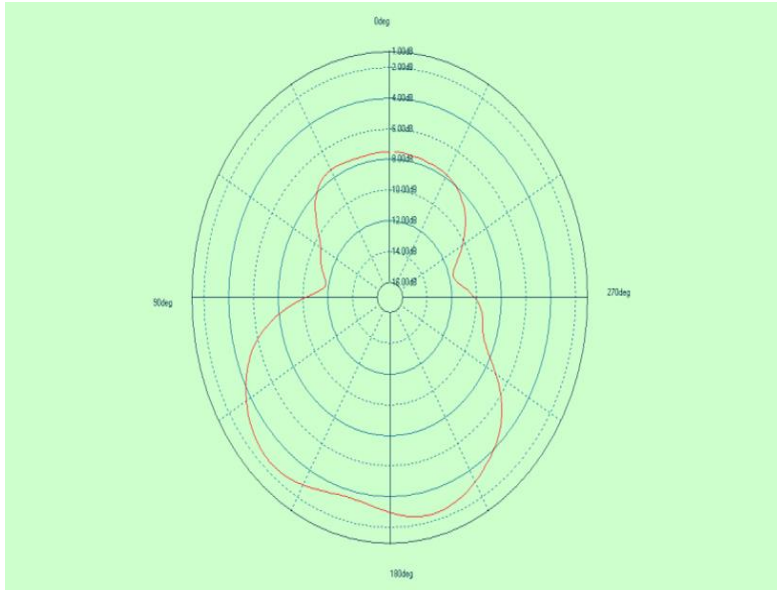
Frequency	1575MHZ	2450MHZ	5300M
Return Loss	-8.8	-13.1	-6.5
VSWR	2.1	1.5	2.7

2.2 Typical free space radiation pattern



2.2 Tyhypical free space radiation pattern

5150MHZ~5850MHZ (WIFI 5G)



LTE Antenna gain

GSM900: -1.8dBi

GSM850: -1.4dBi

DCS1800: -1.57dBi

PCS1900: -1.90dBi

W1: -1.8dBi

W2: -1.9dBi

W4: -1.6dBi

W5: -1.4dBi

LTE-B2: -1.9dBi

LTE-B4: -1.6dBi

LTE-B5: -1.4dBi

LTE-B12: -1.8dBi

LTE-B13: -1.7dBi

LTE-B17: -1.8dBi

LTE-B25: -1.9dBi

LTE-B26: -1.4dBi

LTE-B66: -1.6dBi

LTE-B71: -2.2dBi

LTE-B41: -1.2dBi

WIFI (5G) : -2.2dBi

WIFI (2.4G) : -0.31dBi

BT: -0.31dBi

GPS: -1.4dBi