



Mobile Antenna Specification

HEYUAN XUNWEI MICROWAVE
COMMUNICATION CO.,LTD

RF: wangxinfeng

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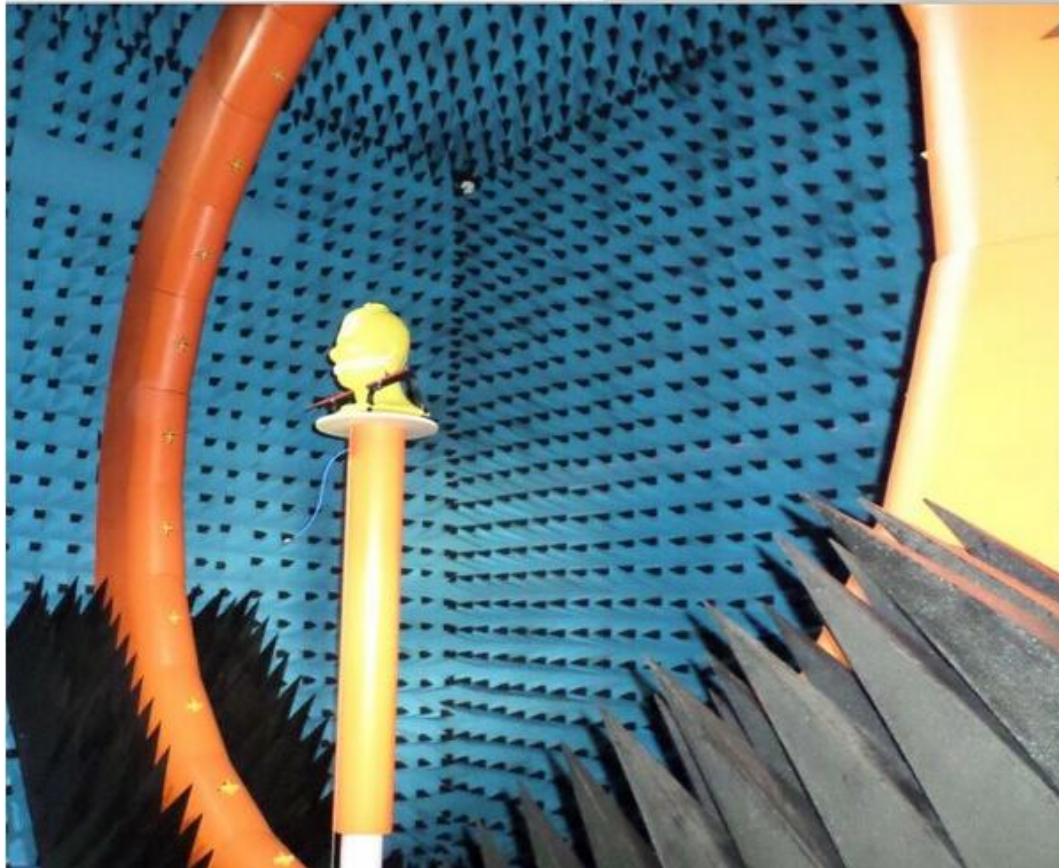
Antenna dimension drawing
test data

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

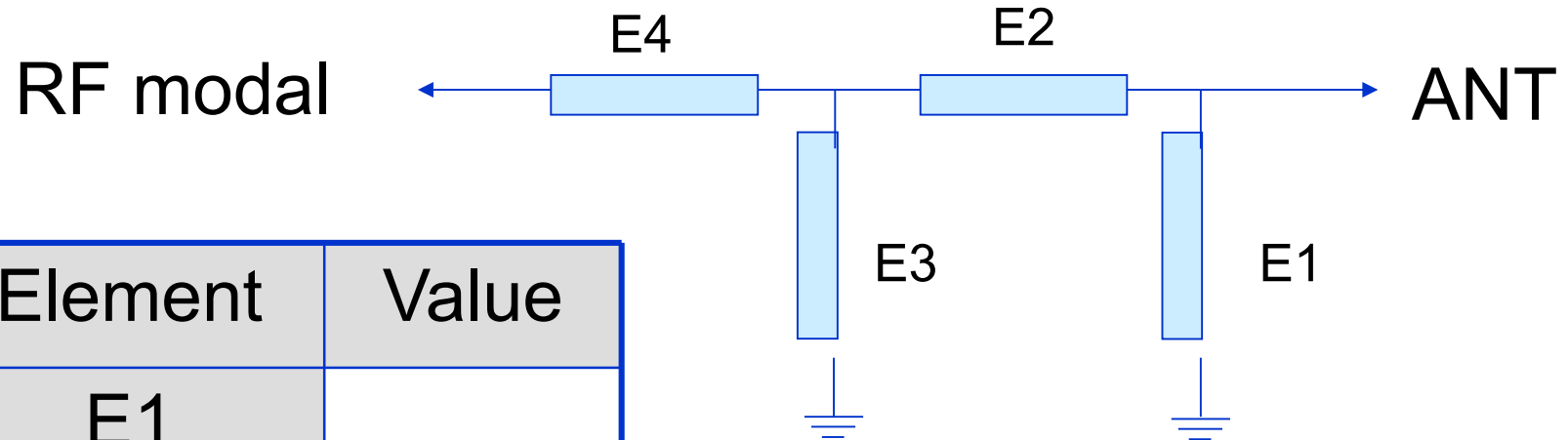


Antenna information

Customer	Boat of wealth
Antenna model	FPC
Antenna type	PIFA

frequency range (MHz)	1575. 42	2400–2500
VSWR	<3. 5	<3. 5

Matching circuit (No modification)



Element	Value
E1	
E2	
E3	
E4	

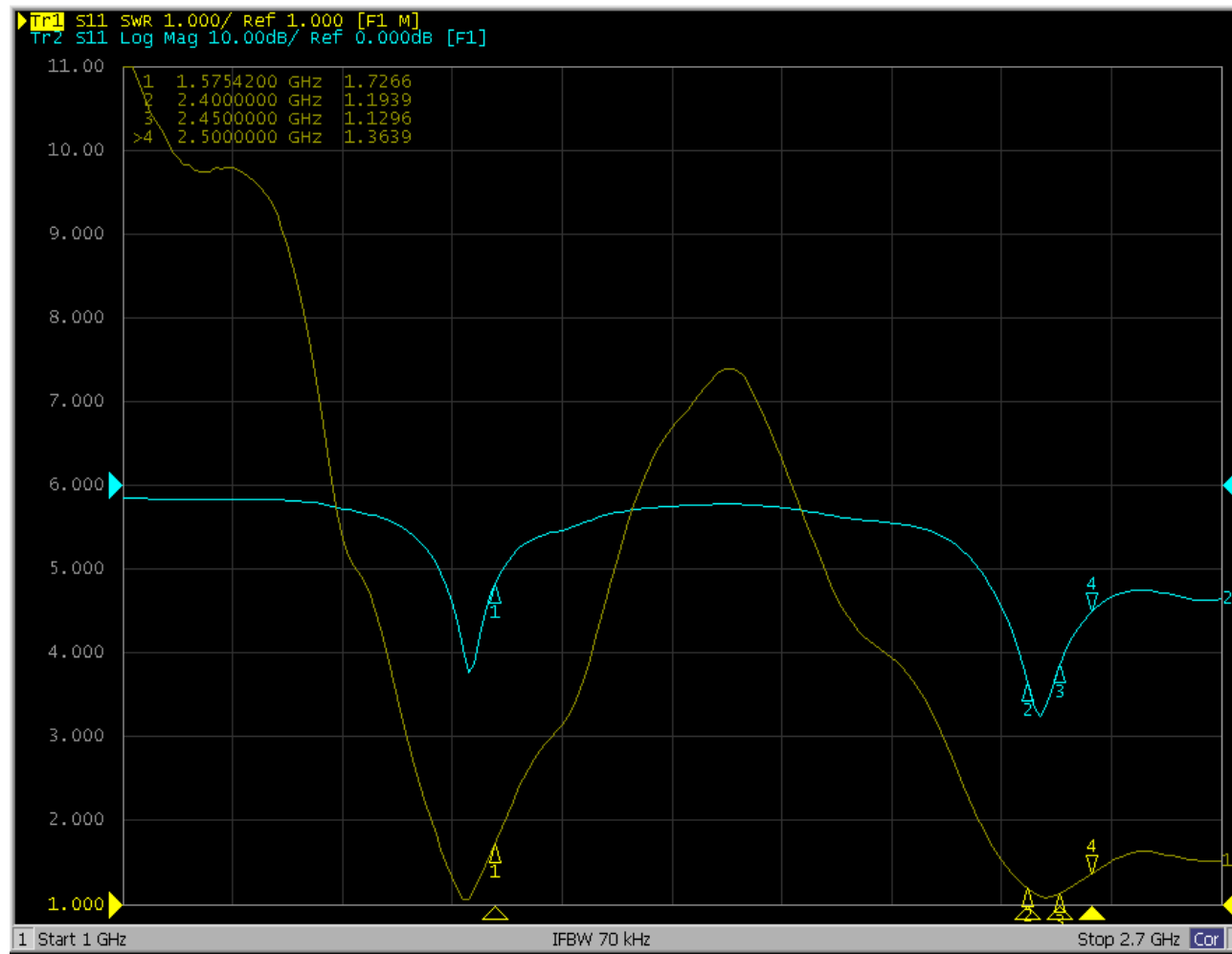
Antenna dimension drawing



test data

(Passive efficiency test data)

S11 parameters



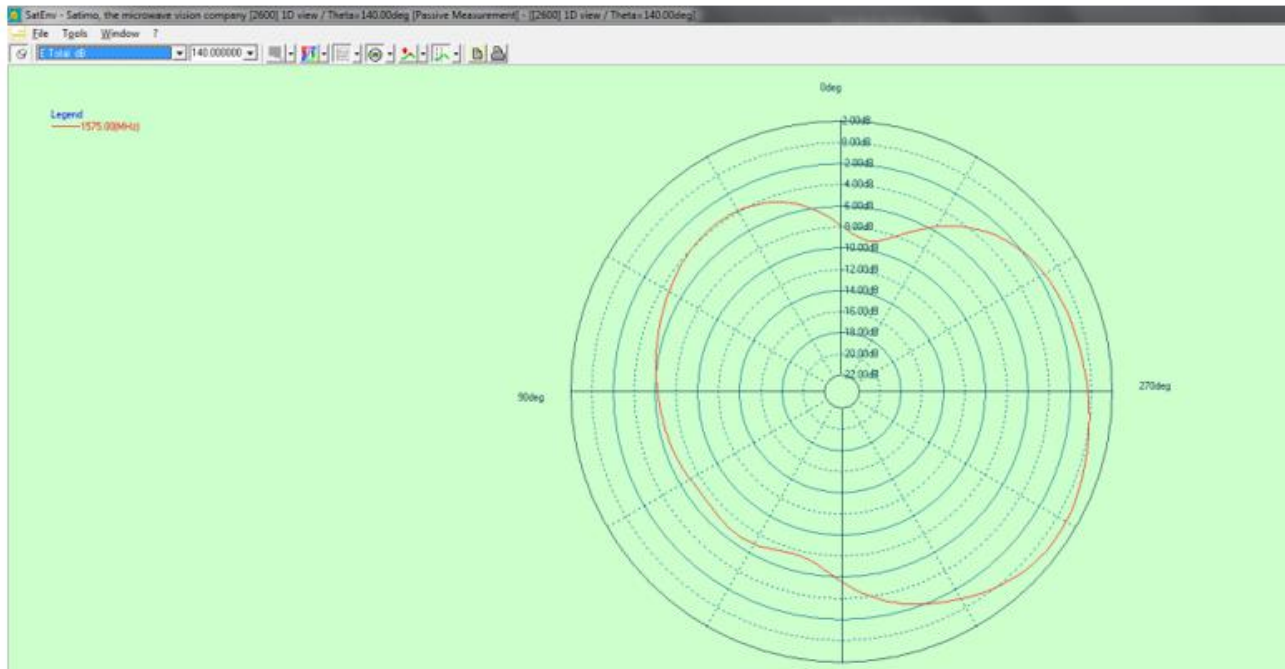
BT/WIFI efficiency and gain

WIFI		
Frequency	Efficiency (%)	Gain Max (DBD)
2400MHZ	38.65%	0.33
2410MHZ	38.28%	0.33
2420MHZ	40.41%	0.41
2430MHZ	41.04%	0.34
2440MHZ	42.11%	0.36
2450MHZ	42.21%	0.32
2460MHZ	43.24%	0.23
2470MHZ	45.87%	0.26
2480MHZ	44.73%	0.28
2490MHZ	44.50%	0.33
2500MHZ	43.77%	0.34

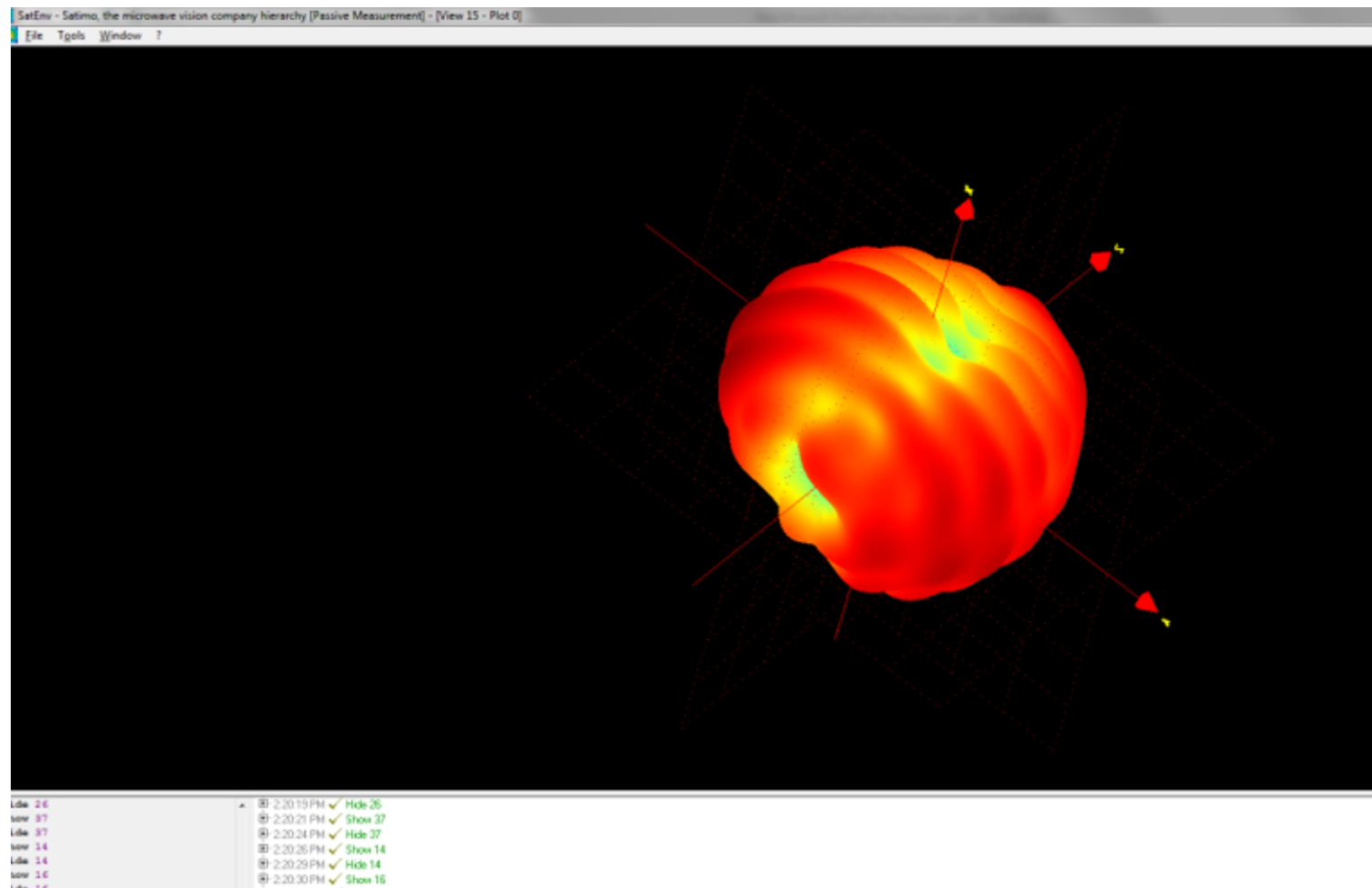
GPS efficiency and gain

GPS		
Frequency	Efficiency (%)	Gain Max (DBD)
1550MHZ	34.58%	-1.83
1555MHZ	34.49%	-1.21
1560MHZ	34.37%	-1.30
1565MHZ	35.17%	-1.37
1570MHZ	36.38%	-1.48
1575MHZ	37.69%	-2.19
1580MHZ	39.11%	-2.14
1585MHZ	38.46%	-2.29
1590MHZ	37.54%	-2.21
1595MHZ	36.97%	-1.80
1600MHZ	35.53%	-1.65

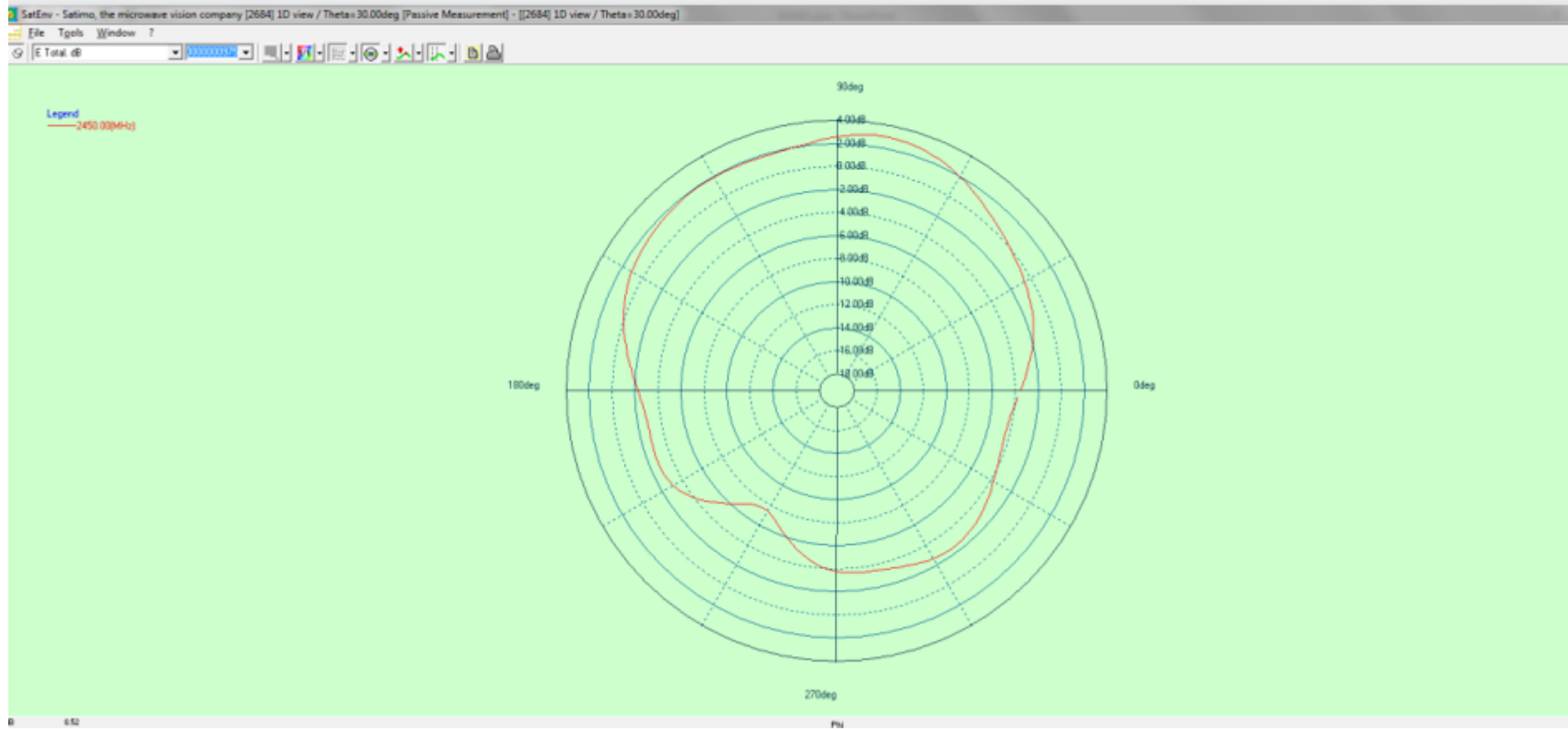
GPS test direction map



GPS test direction map



BT/WIFI test direction map



BT/WIFI test direction map

