SPECIFICATION FOR APPROVAL

CUSTOMER/PROJECT： _____

CUSTOMER P.N： _____

PRODUCT NAME： 2.4&5.8G

MODEL NO： 13B008B

SUPPLIER AUTHORIZED SIGNATURE		
PREPARED	CHECKED	APPROVED
JENNY		

CUSTOMER AUTHORIZED SIGNATURE			
PM		QE	

Please return to us one copy of "SPECIFICATION FOR APPROVAL"with your approved signature.

ADD: No.358 Liuyuan RD., Baoshan Urban Industrial District.,Shanghai,PR.China.

TEL: +86-21-66276925(26/29/35) - 615

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1 Noun explanation

dBi	Decibel relative isotropic antenna
Tx	Transmit frequency
Rx	Receive frequency
TRP	Total Radiated Power
TIS	Total Isotropic Sensitivity
VSWR	Voltage Standing Wave Ratio
GSM	Global Service for Mobile communication
DCS	Digital Communication System
CDMA	Code Division Multiple Access
WCDMA	Wideband Code Division Multiple Access

2 Test equipment

network analyzer
Agilent8960
SATIMO64 chamber

3 Working frequency band

The yellow Identification is the using band

band	uplink	downlink
(2.4G)	2400MHz～2500MHz	
5.8G	5150MHz～5850MHz	

4 Test project

4.1 VSWR plot

4.2 Simth plot

4.3 Radiation pattern

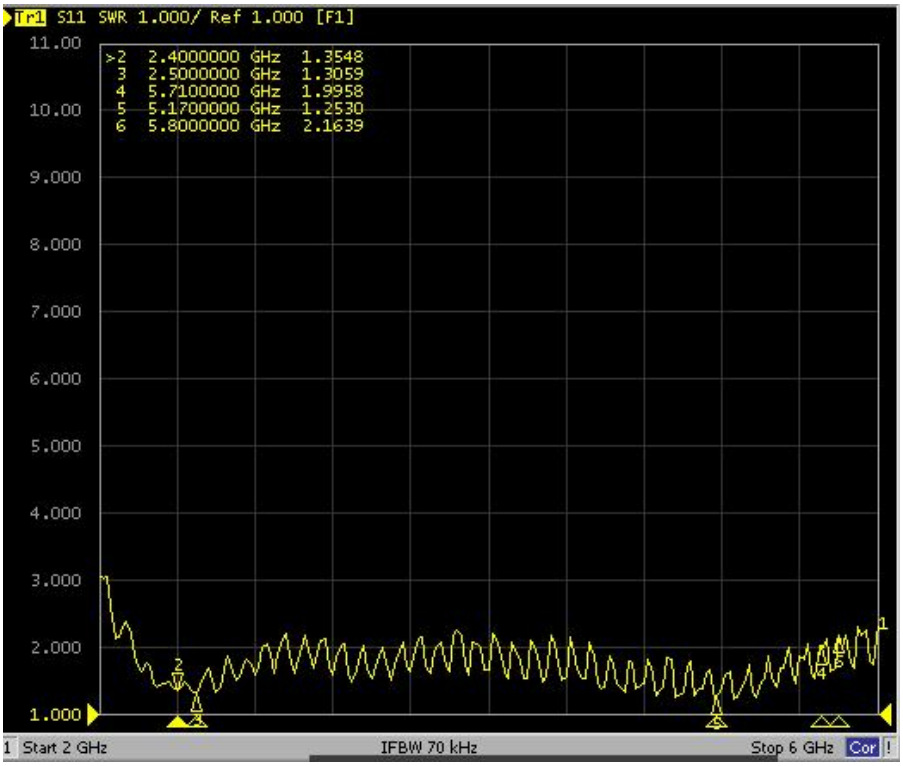
4.4 Gain & Efficiency

4.5 TRP&TIS

5 Antenna parameter

5.1 VSWR

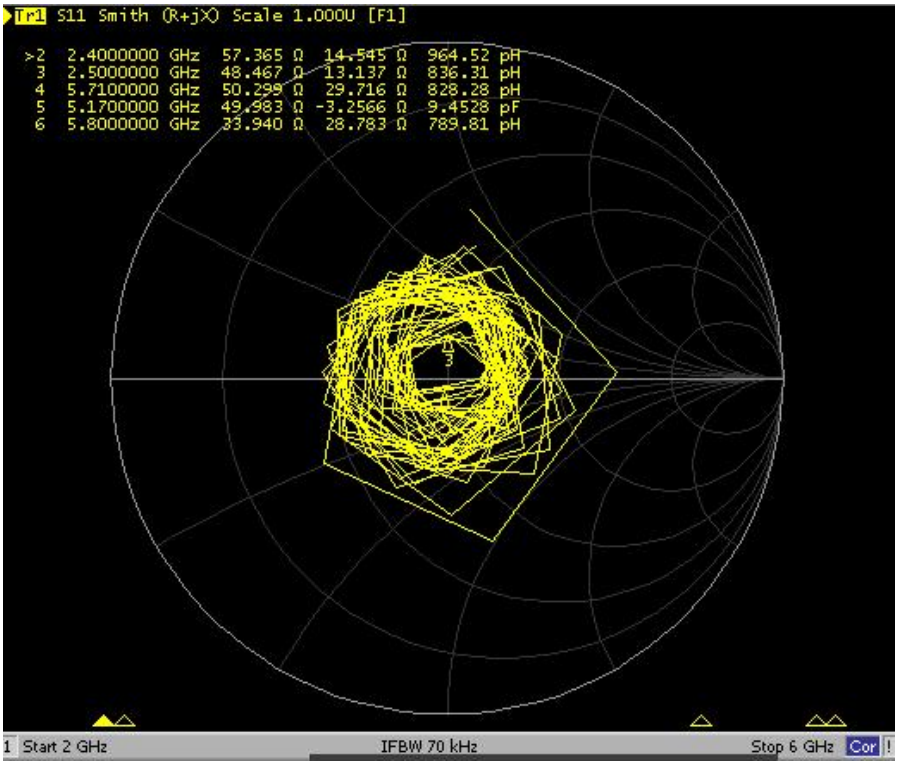
5.1.1 VSWR plot



5.1.2 VSWR data

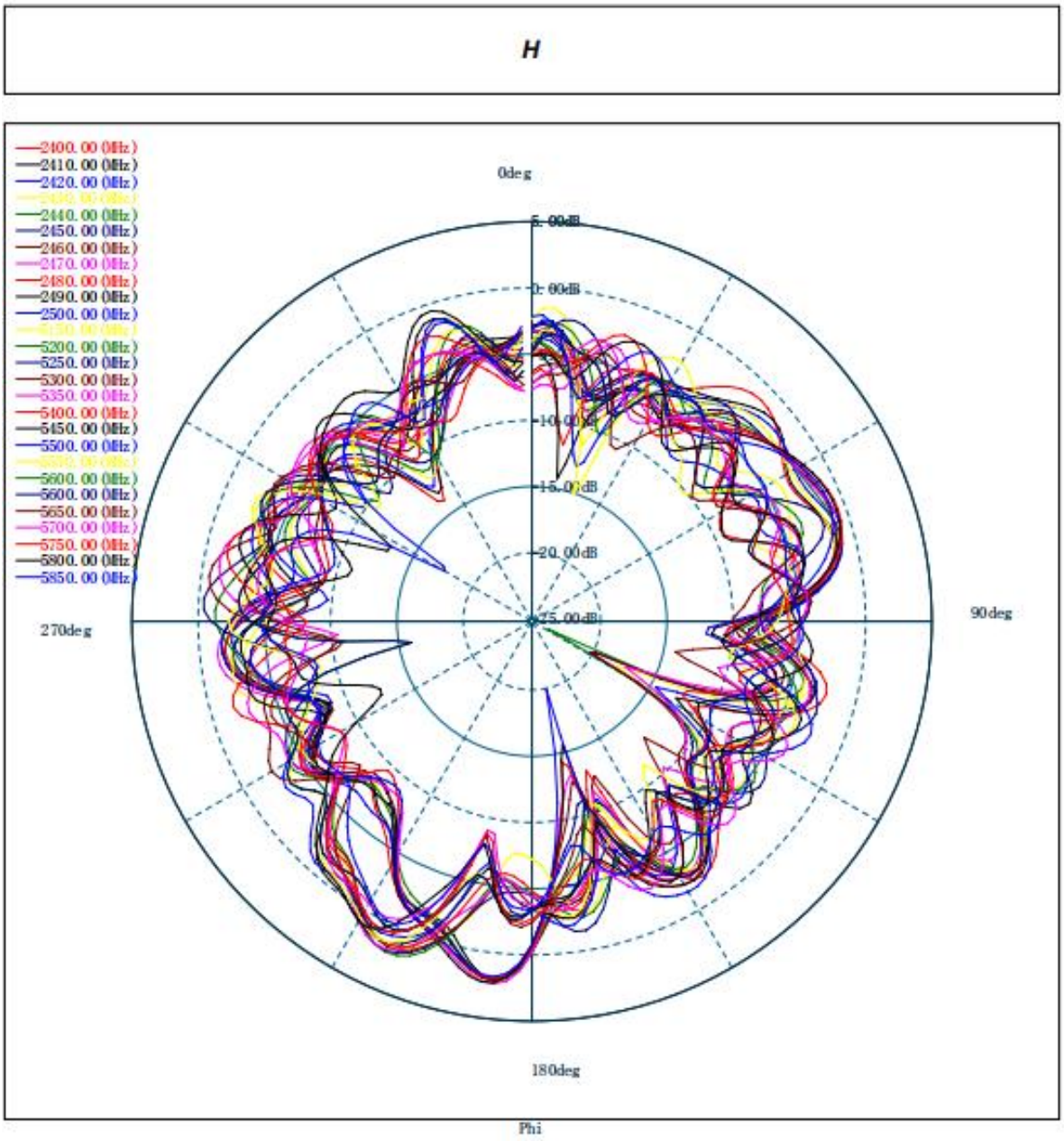
Freq/MHz	2400	2500	5170	5800
VSWR	1.3	1.3	1.2	2.1

5.2 Simth plot

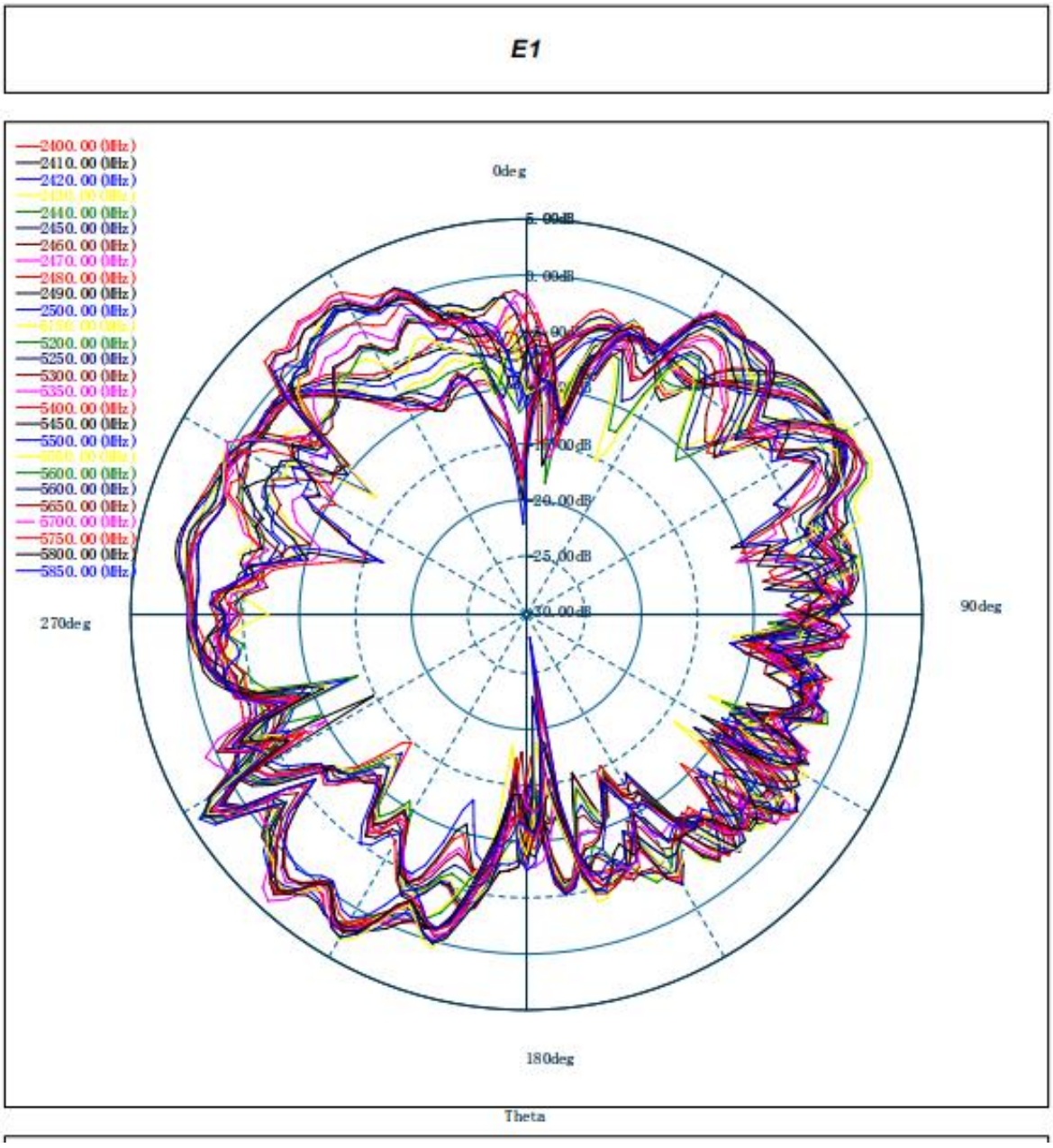


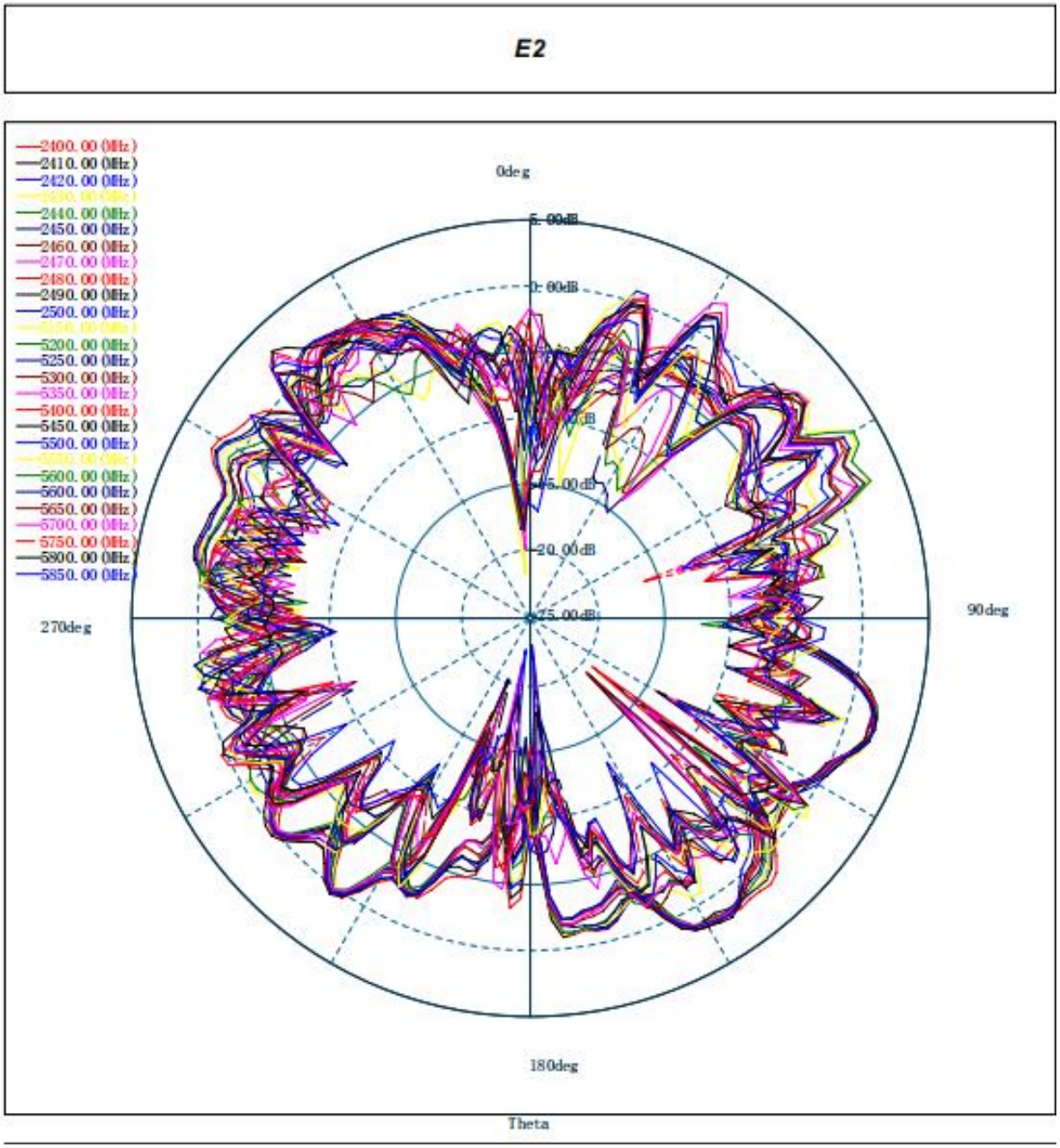
5.3 Radiation pattern

5.3.1 H-plane



5.3.2 E-plane


E1
2400.00 (MHz)
2410.00 (MHz)
2420.00 (MHz)
2430.00 (MHz)
2440.00 (MHz)
2450.00 (MHz)
2460.00 (MHz)
2470.00 (MHz)
2480.00 (MHz)
2490.00 (MHz)
2500.00 (MHz)
5150.00 (MHz)
5200.00 (MHz)
5250.00 (MHz)
5300.00 (MHz)
5350.00 (MHz)
5400.00 (MHz)
5450.00 (MHz)
5500.00 (MHz)
5550.00 (MHz)
5600.00 (MHz)
5650.00 (MHz)
5700.00 (MHz)
5750.00 (MHz)
5800.00 (MHz)
5850.00 (MHz)
0deg
90deg
180deg
270deg
-20.00dB
-25.00dB
-30.00dB
Theta


E2
2400.00 (MHz)
2410.00 (MHz)
2420.00 (MHz)
2440.00 (MHz)
2450.00 (MHz)
2460.00 (MHz)
2470.00 (MHz)
2480.00 (MHz)
2490.00 (MHz)
2500.00 (MHz)
5200.00 (MHz)
5250.00 (MHz)
5300.00 (MHz)
5350.00 (MHz)
5400.00 (MHz)
5450.00 (MHz)
5500.00 (MHz)
5600.00 (MHz)
5600.00 (MHz)
5650.00 (MHz)
5700.00 (MHz)
5750.00 (MHz)
5800.00 (MHz)
5850.00 (MHz)
0deg
90deg
180deg
270deg
-5.00dB
0.00dB
-5.00dB
-20.00dB
-25.00dB
Theta

5.4 UGain & Efficiency

Freq （MHZ）	Eff(%)	GAIN		Freq （MHZ）	Eff(%)	GAIN
2400	62%	4.84		5150	52%	4.24
2410	62%	4.71		5200	53%	4.43
2420	61%	4.57		5250	55%	4.11
2430	60%	4.49		5300	49%	4.35
2440	61%	4.43		5350	54%	4.76
2450	61%	4.51		5400	50%	4.60
2460	62%	4.28		5450	50%	4.81
2470	62%	4.24		5500	45%	4.54
2480	59%	4.09		5550	48%	4.67
2490	60%	4.19		5600	44%	4.38
2500	58%	3.92		5650	44%	4.45
				5700	47%	4.58
				5750	42%	4.57
				5800	45%	4.43
				5850	43%	4.13

6 Environmental treatment suggestions

Environment does not need treatment

7 Impedance matching

The matching circuit has not been changed

8 Antenna plan