
SPECIFICATION FOR APPROVAL

CUSTOMER NAME: baby 1S

PRODUCT NAME: 2.4GHz FPC Antenna L=65

CUSTOMER P/N:

U B P/N: UB01C65F3D1890A REV: B

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2023-3-10	

Contents

Item

Description

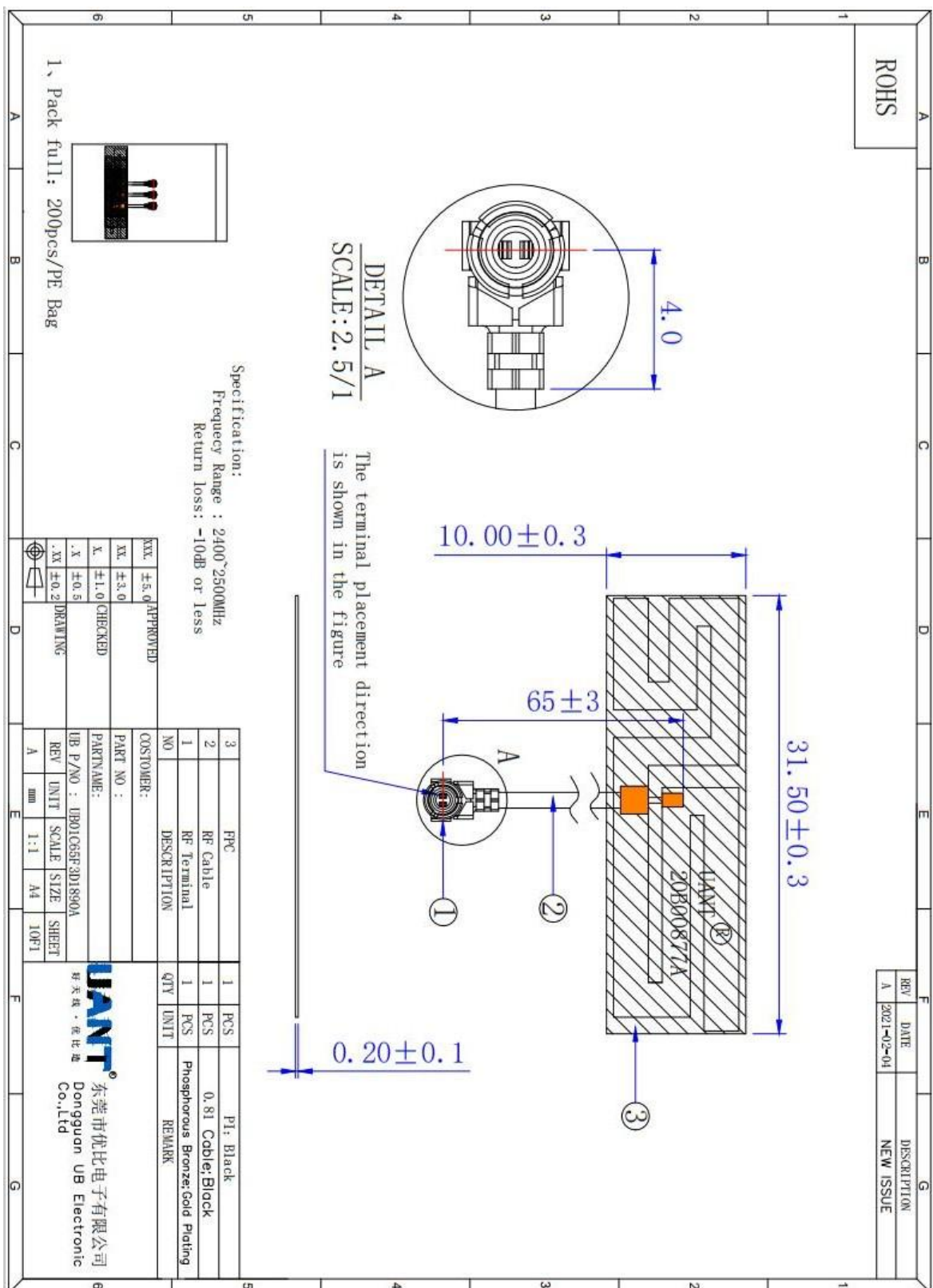
1. -----Overall performance
2. -----Product Drawing
3. -----Product Characteristics
4. -----Antenna Installation Diagram

1. Overall performance

Main product technical parameters

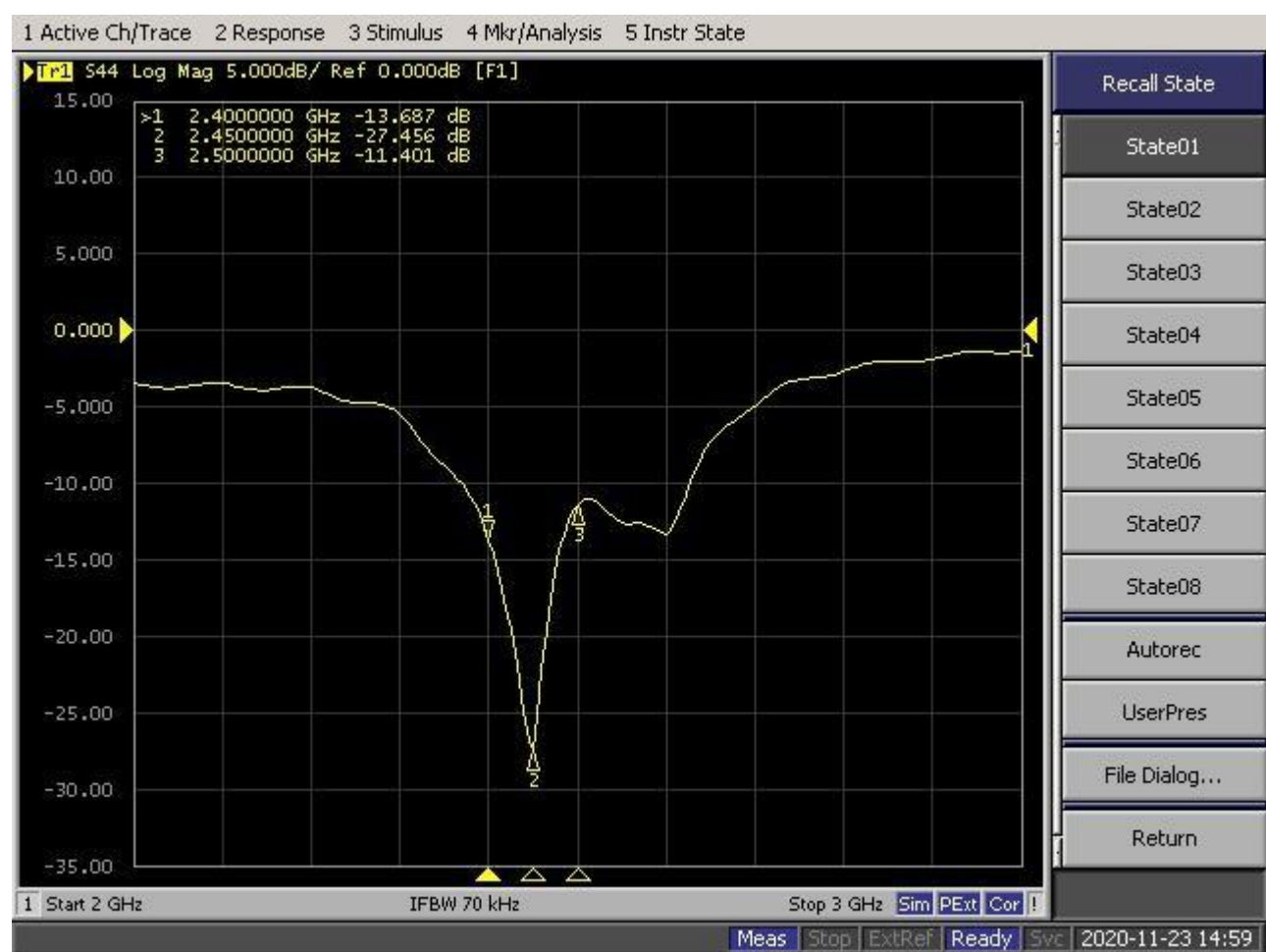
Main technical specifications	
Frequency Range (MHZ)	2400~2500
Impedance(Ω)	50
AVG Gain(dBi)	1.44
VSWR	≤ 1.92
Admitted Power	1W
Polarization	Line
Connector Type	Terminal
Physical Properties	
Antenna Base	FPC
Operating Temp	-20℃~+70℃
Storage Temp	-20℃~+70℃

2. Product Drawing



3. Product Characteristics

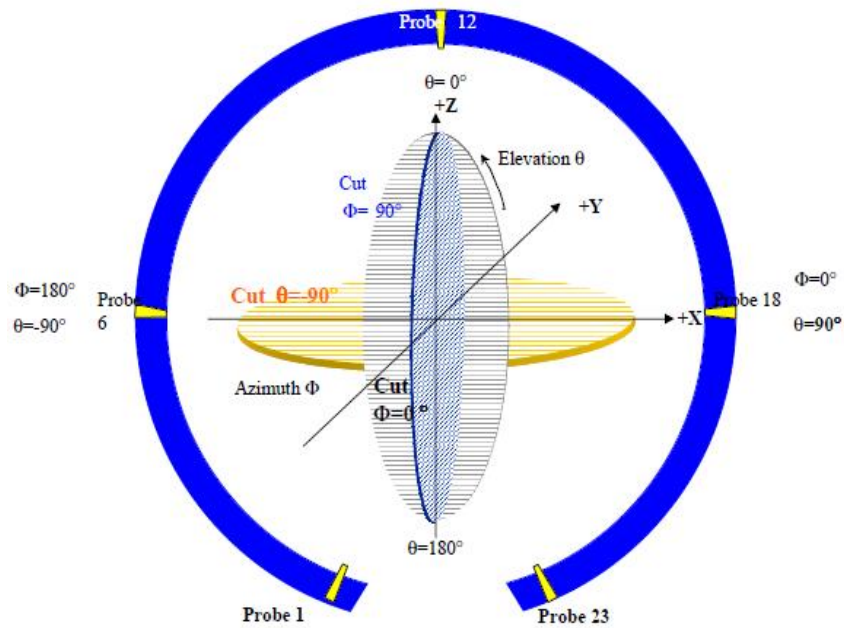
3.1: Network analyzer test report:



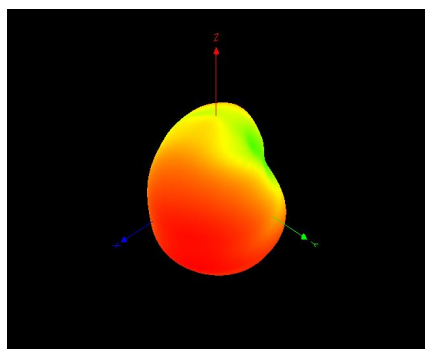
3.2. Antenna radiation efficiency

Frequency / MHz	Efficiency / %	Gain/ dB
2400	55.3	1.59
2410	55.36	1.3
2420	56.17	1.2
2430	56.87	1.12
2440	59.69	1.79
2450	58.64	1.26
2460	51.36	1.9
2470	48.48	1.27
2480	48.5	1.34
2490	47.5	1.43
2500	46.36	1.64

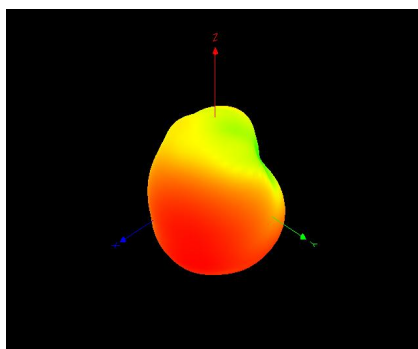
Darkroom Coordinates



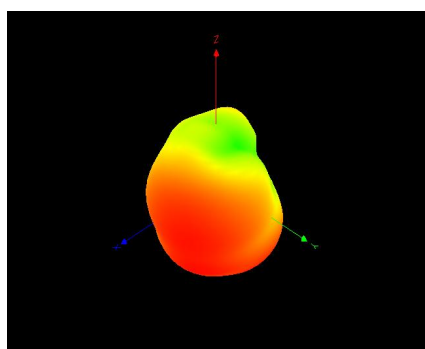
3.3: Darkroom 2D、3D Raditation Pattern



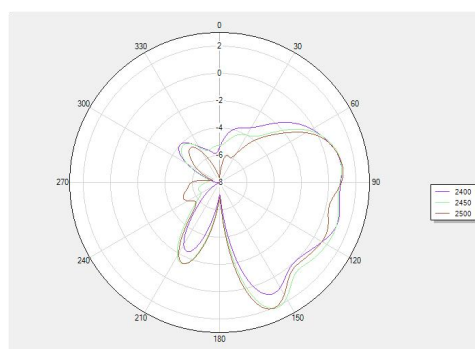
2400MHz



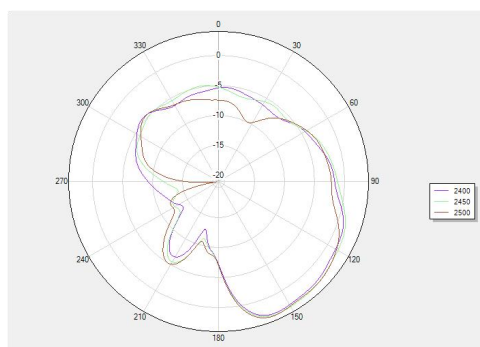
2450MHz



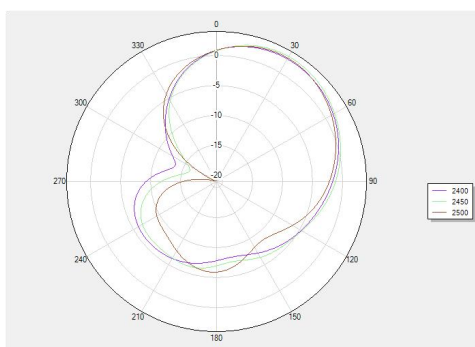
2500MHz



Phi 0



Phi 90



Theta 90

3.4 OTA Test

Measurement	Band	Channel	Frequency	Max	Min	Total
TRP	WIFI_B(11M)	1	2412	22.61	-1.92	18.62
TRP	WIFI_B(11M)	6	2437	21.35	-13.77	17.42
TRP	WIFI_B(11M)	11	2462	21.96	-3.28	17.92
TIS(EIRP)	WIFI_B(11M)	1	2412	87.83	60.16	83.51
TIS(EIRP)	WIFI_B(11M)	6	2437	88.76	57.91	84.71
TIS(EIRP)	WIFI_B(11M)	11	2462	89.76	62.02	85.57

4. Antenna Installation Diagram

Convert 0.81 Cable



