

Antenna test Report

KS2/KS4-US

SKYLIGHT ENGINEER DEPT			
APPROVAL BY	DRAWN BY	DATE	Version
Simon	Louis jiang	2023.08.01	V01

SKY LIGHT Electronic (Shen Zhen) Limited

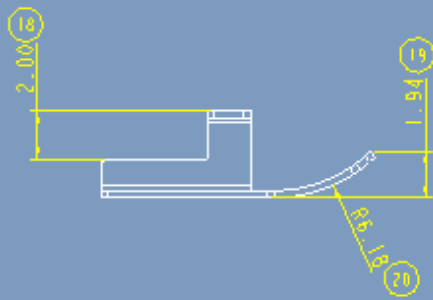
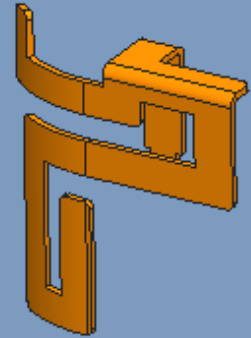
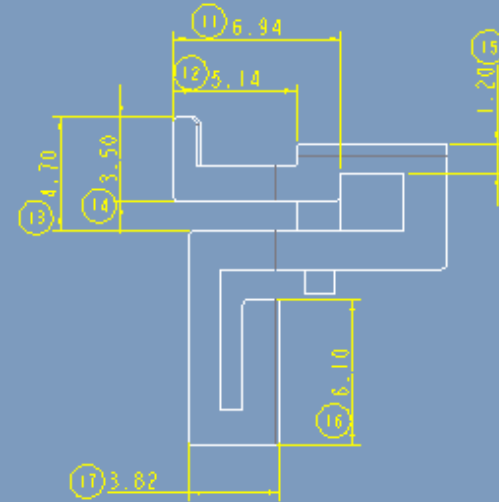
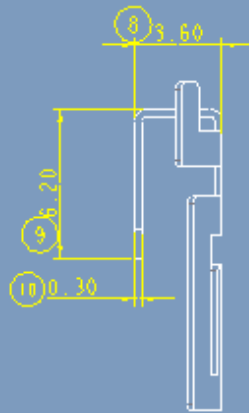
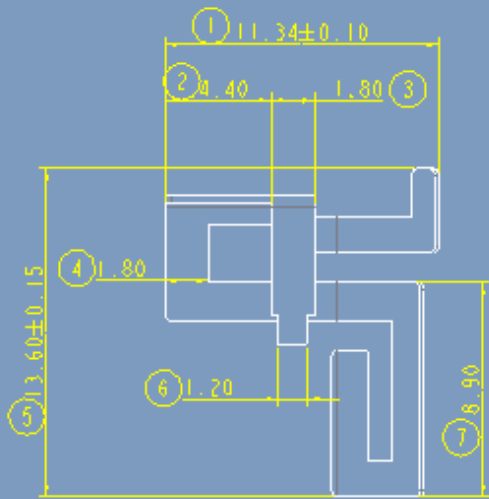
Website: <http://www.skylight.com.hk> (TEL) 86-755-27511234

SPEC--WiFi



ITEM	ANTENNA SPEC					
Model Name	KS2/KS4(US)--WiFi					
Frequency & Gain	2400MHz	2440MHz	2480MHz	5150MHz	5550MHz	5850MHz
	1.04	1.15	1.16	1.40	1.74	1.83
Peak Gain(dBi)	2G:1.16 / 5G:1.83					
Average Gain(dB)	2G:1.12 / 5G:1.66					
Impedance	50 Ω					
Antenna Size	11.34*11.60 (mm)					
Manufacture	Sky Light Electronic (ShenZhen) Limited					
VSWR	< 2.0					
Return Loss (dB)	<-10					
Type	metal					

Antenna Size--WiFi

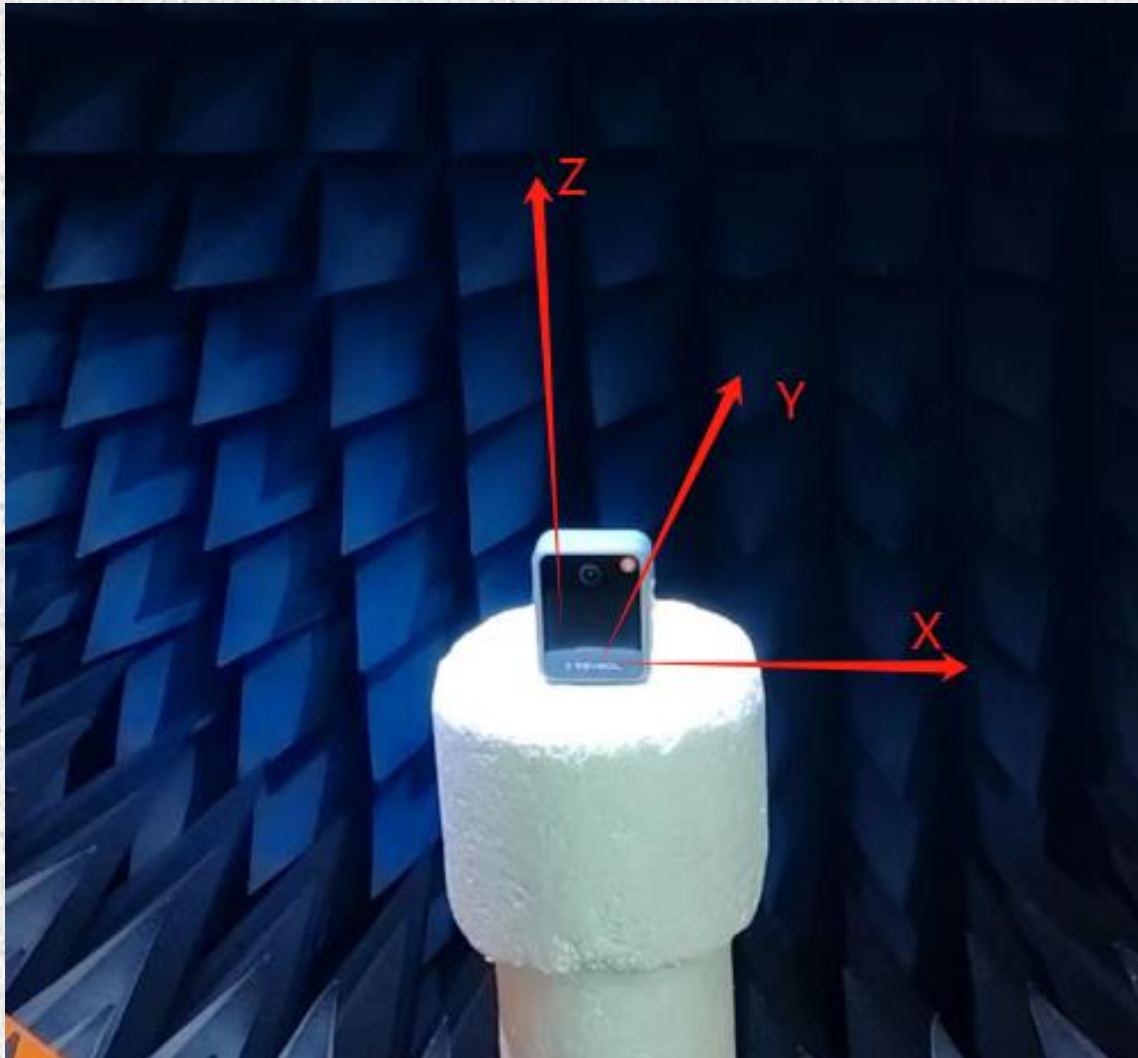


Measurement Information

--WiFi & BT



Experimental Setup

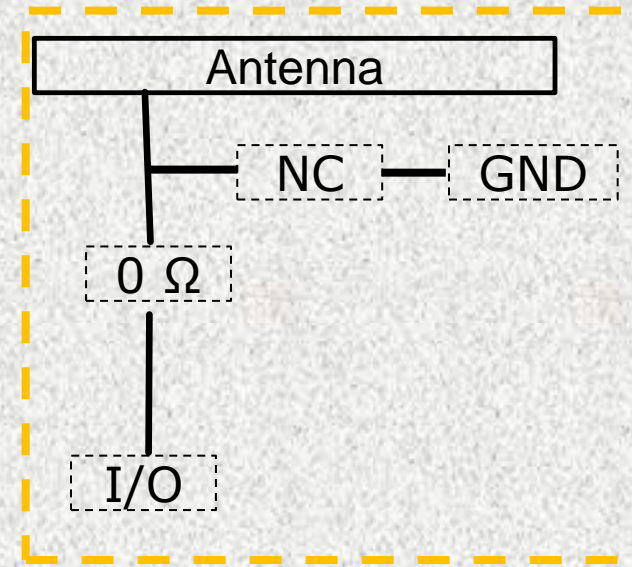
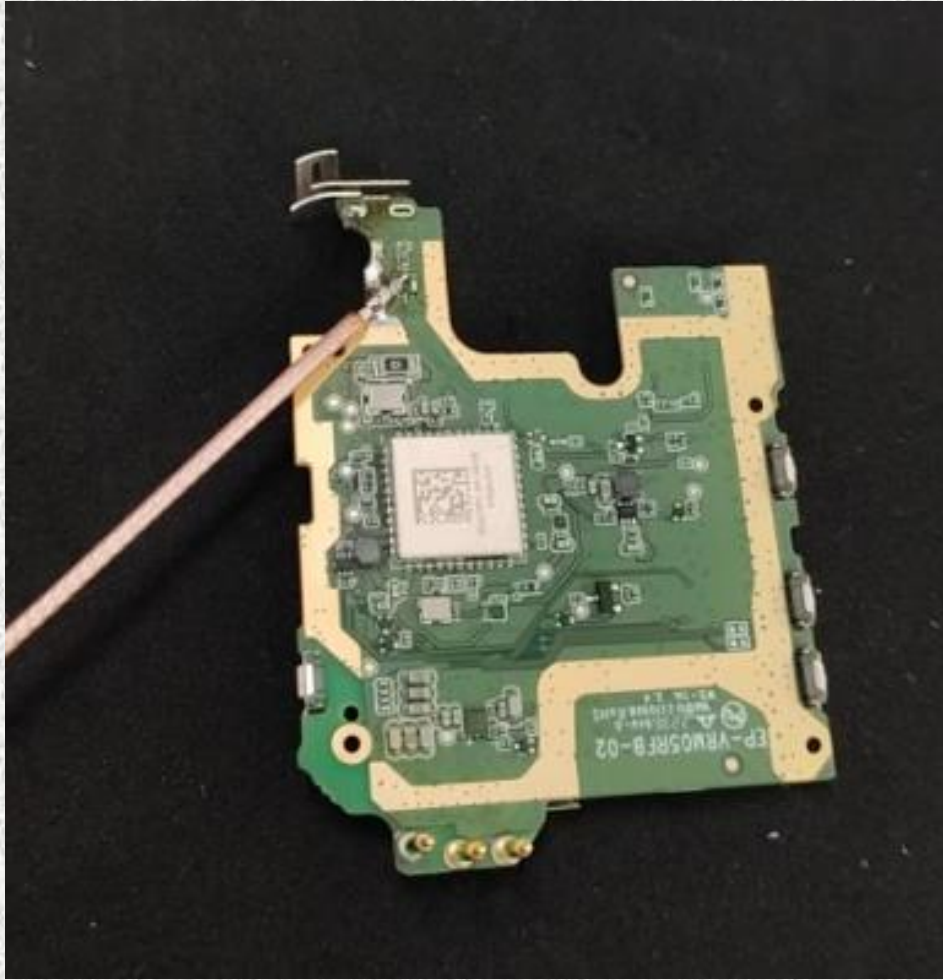


Measurement Information

--WiFi



Antenna Solution Detail



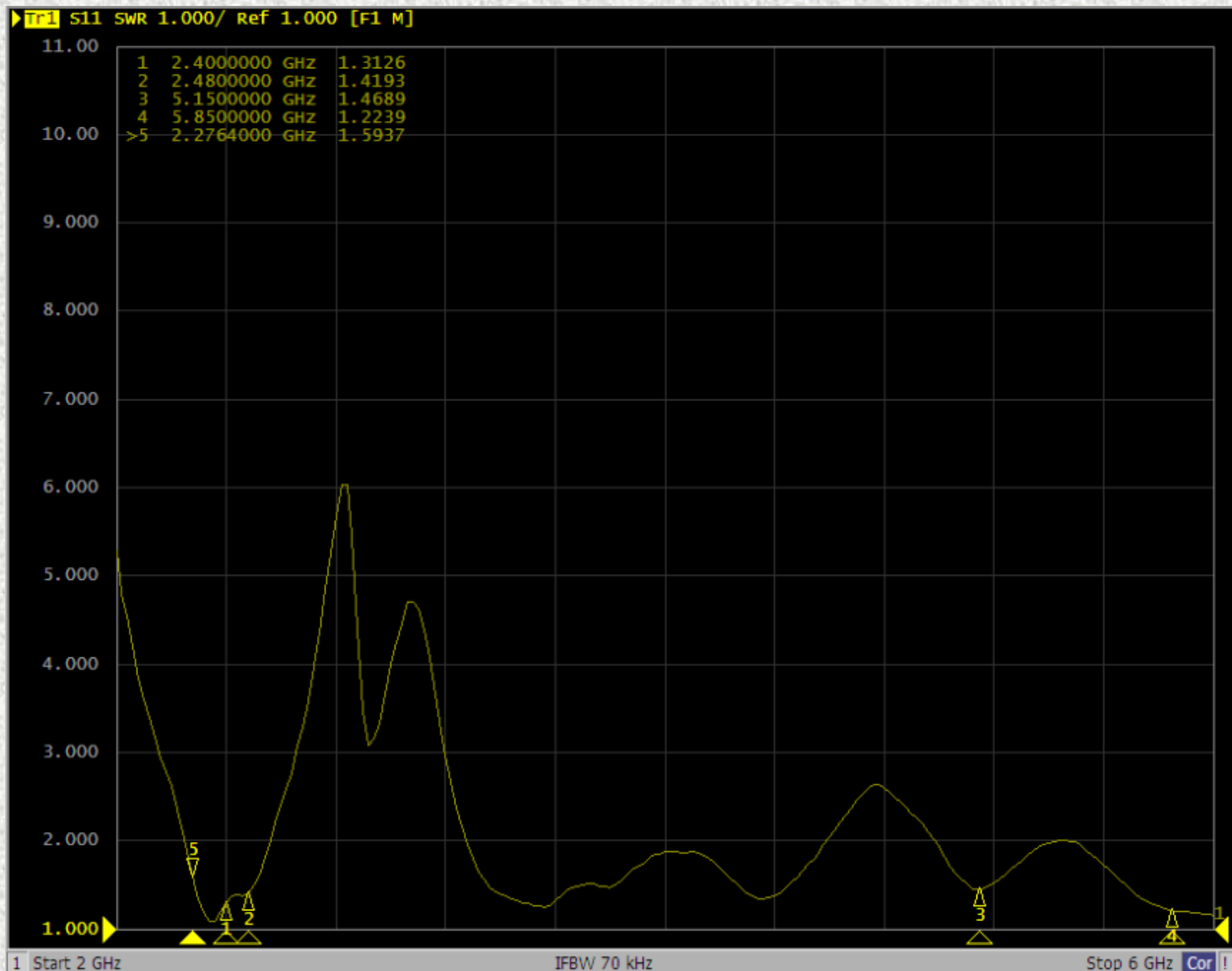
Matching values

Antenna Characteristics

--WiFi



S-Parameter

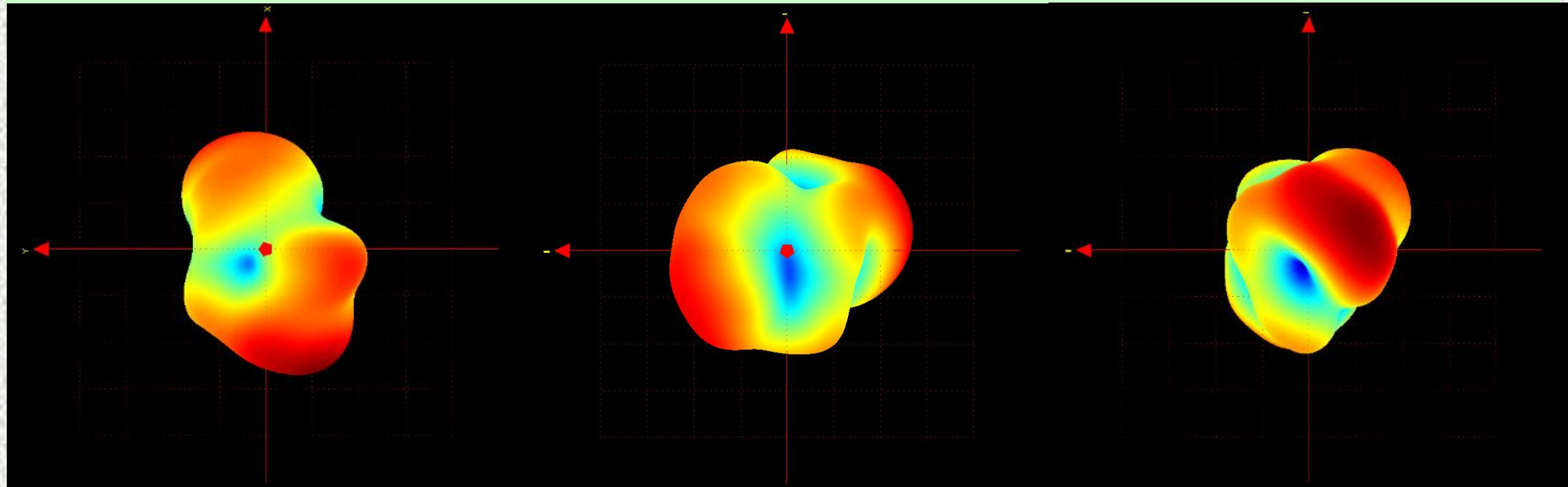
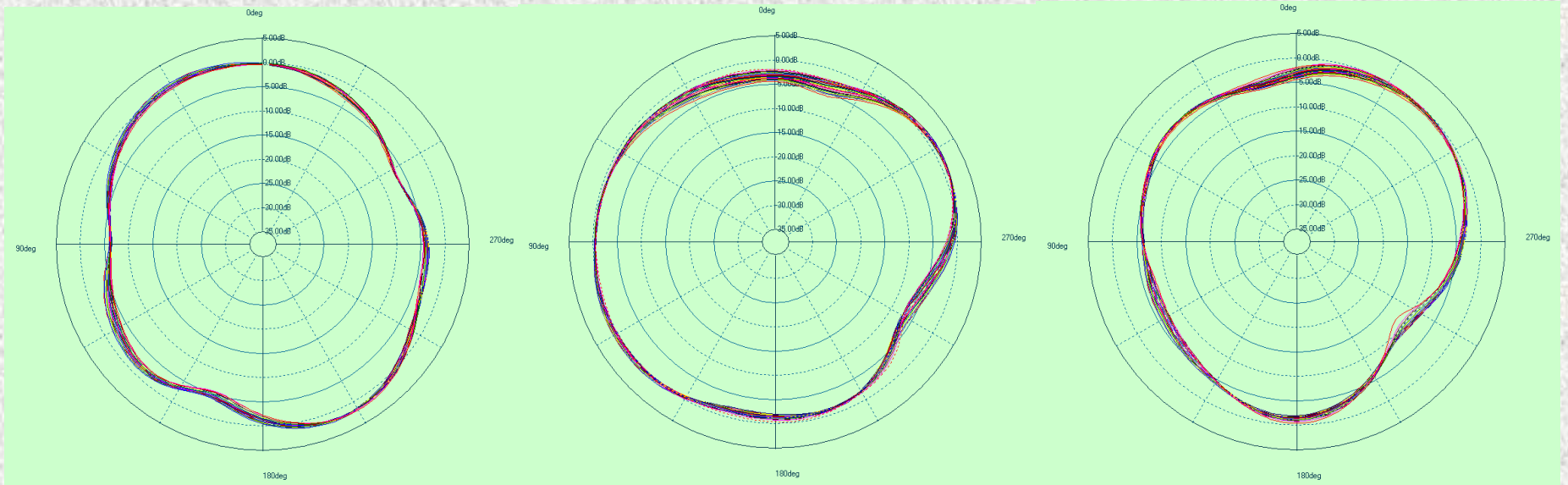


Antenna Characteristics

--WiFi



2D/3D Pattern --2400MHz

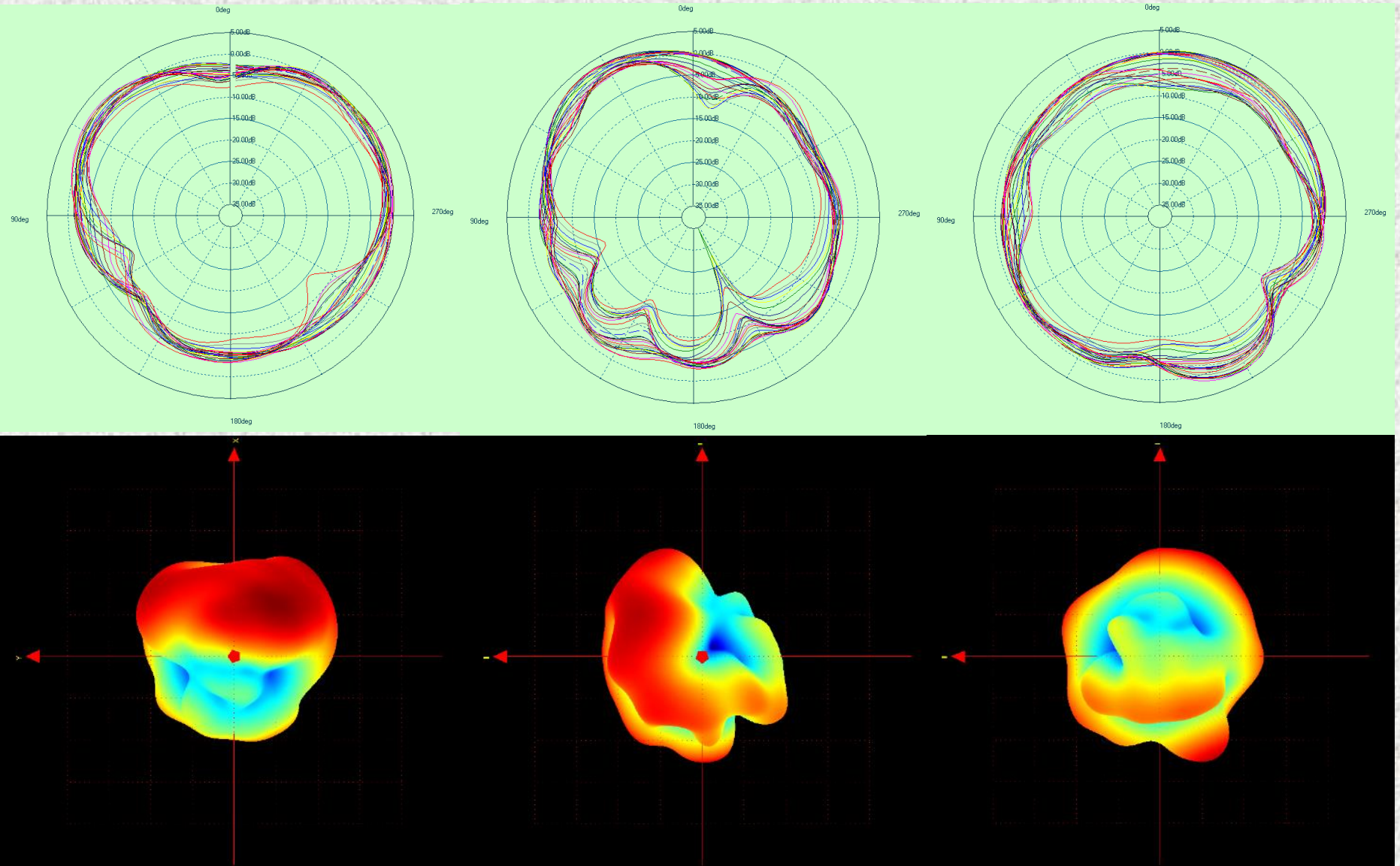


Antenna Characteristics

--WiFi



2D/3D Pattern --5500MHz

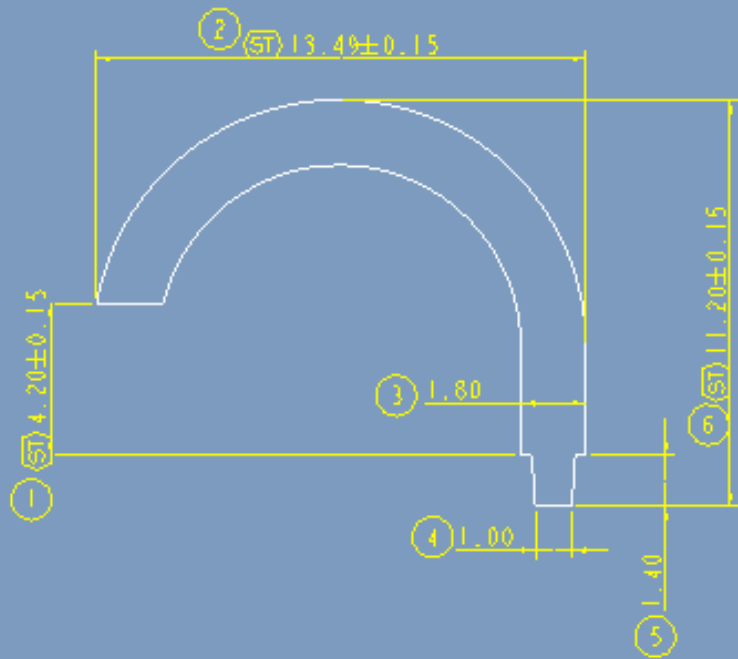


SPEC--BT



ITEM	ANTENNA SPEC					
Model Name	KS2/KS4(US)--WiFi					
Frequency & Gain	2400MHz	2410MHz	2420MHz	2440MHz	2460MHz	2480MHz
	2.22	2.55	2.85	3.07	2.95	2.67
Peak Gain(dBi)	2G:3.07					
Average Gain(dB)	2G:2.71					
Impedance	50 Ω					
Antenna Size	13.49*11.20 (mm)					
Manufacture	Sky Light Electronic (ShenZhen) Limited					
VSWR	< 2.0					
Return Loss (dB)	<-10					
Type	metal					

Antenna Size--BT

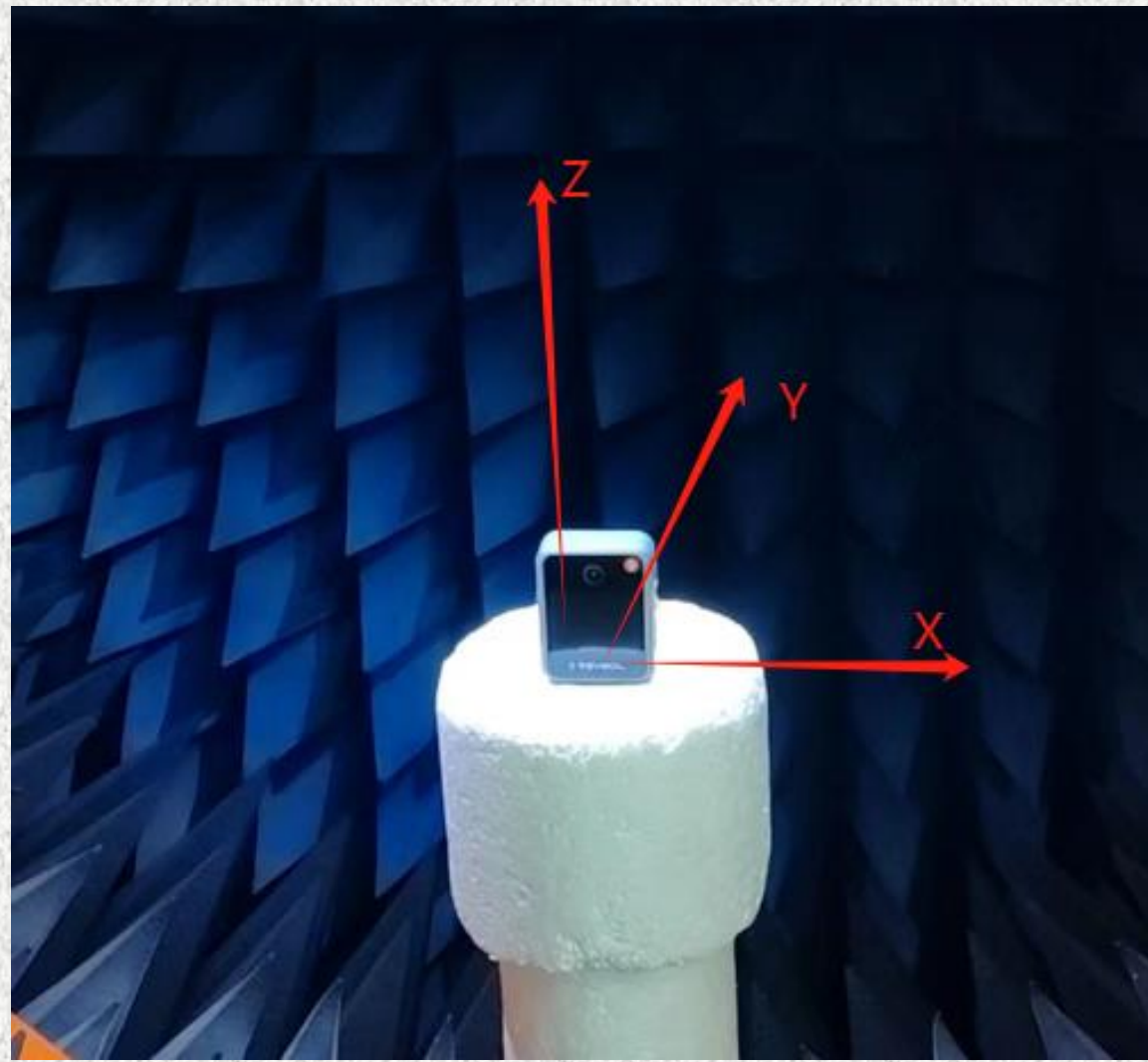


Measurement Information

--WiFi & BT



Experimental Setup

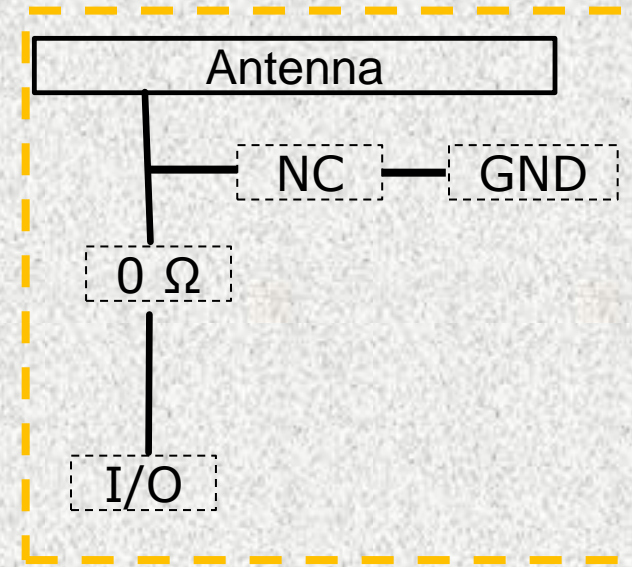


Measurement Information

--BT



Antenna Solution Detail



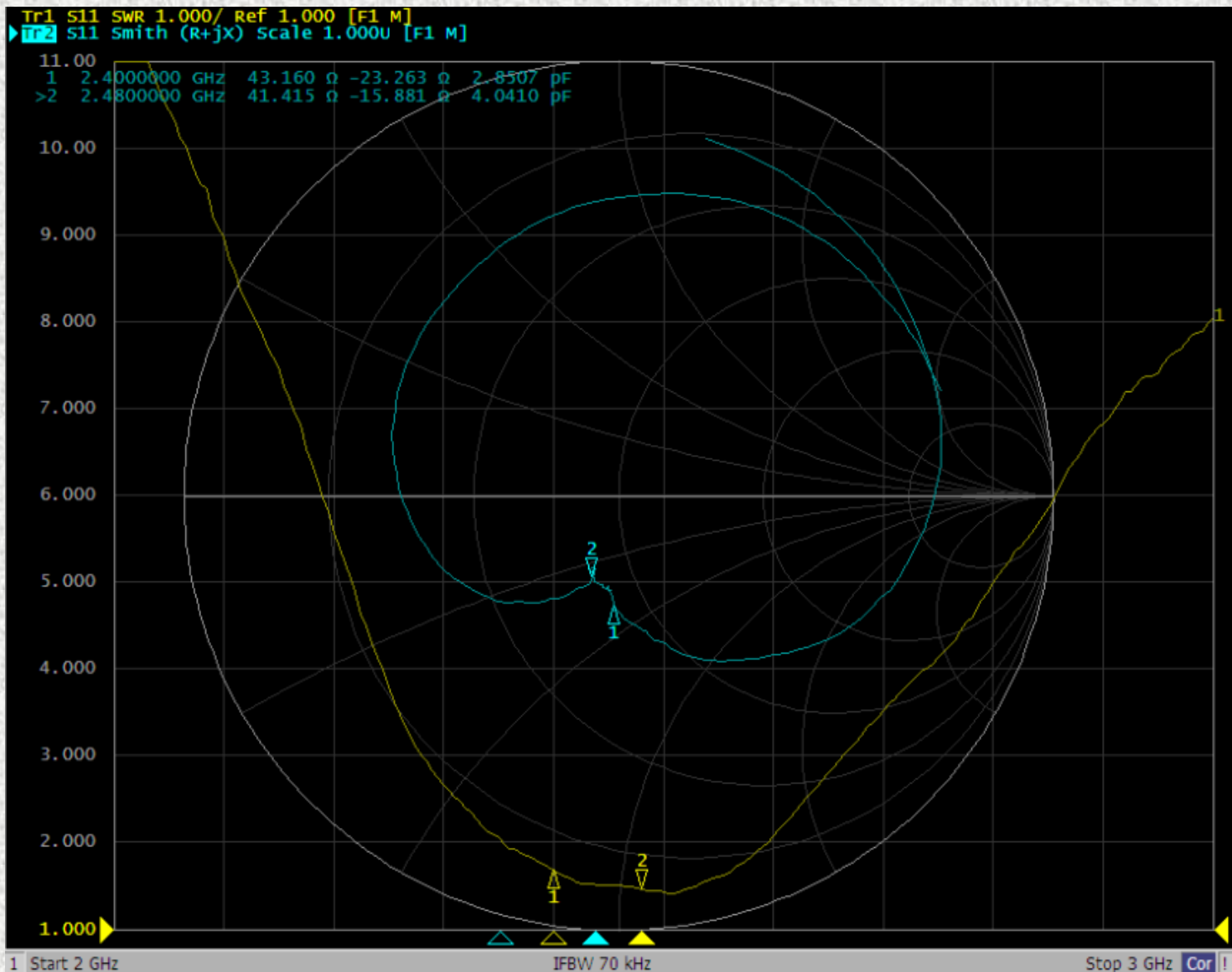
Matching values

Antenna Characteristics

--BT



S-Parameter

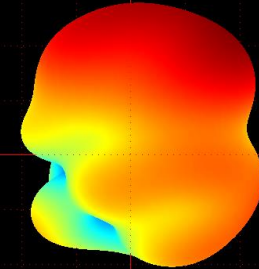
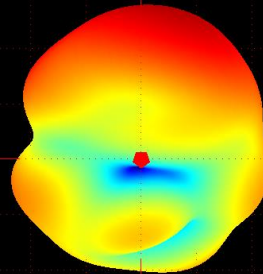
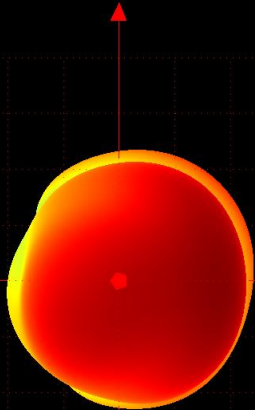
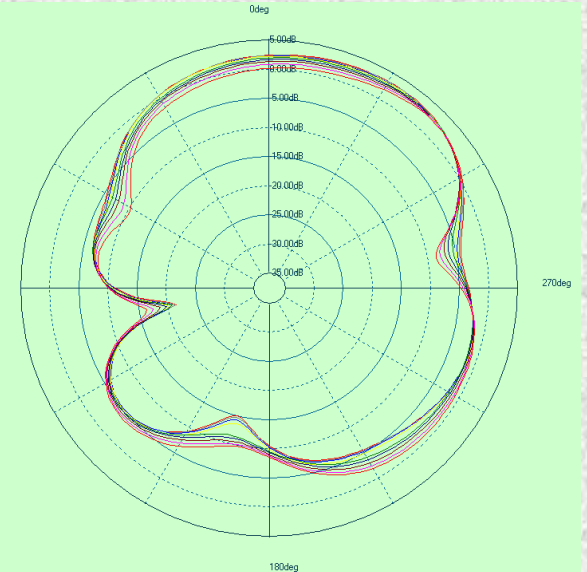
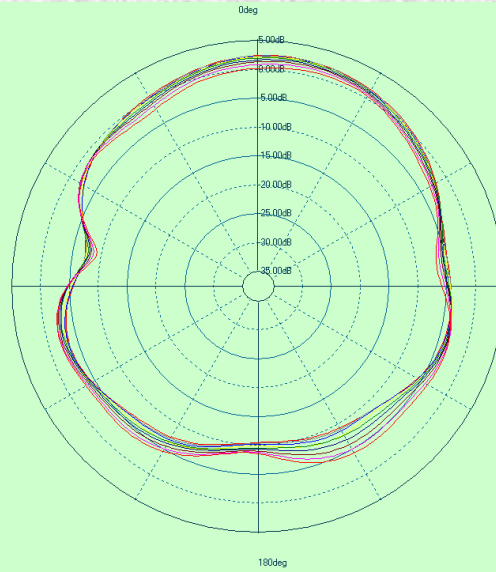
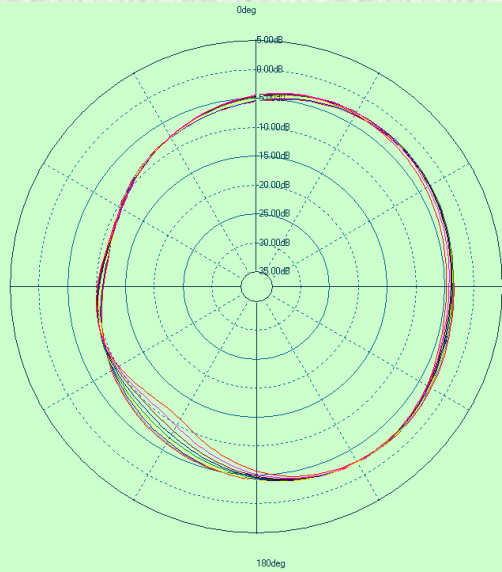


Antenna Characteristics

--BT



2D/3D Pattern --2400MHz



Thank You !

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SKY LIGHT Electronic (Shen Zhen) Limited Version: 01

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