

Antenna test Report

VSW07

SKYLIGHT ENGINEER DEPT			
APPROVAL BY	DRAWN BY	DATE	Version
Simon	Louis jiang	2023.08.23	V02

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conclusion

SPEC--WiFi



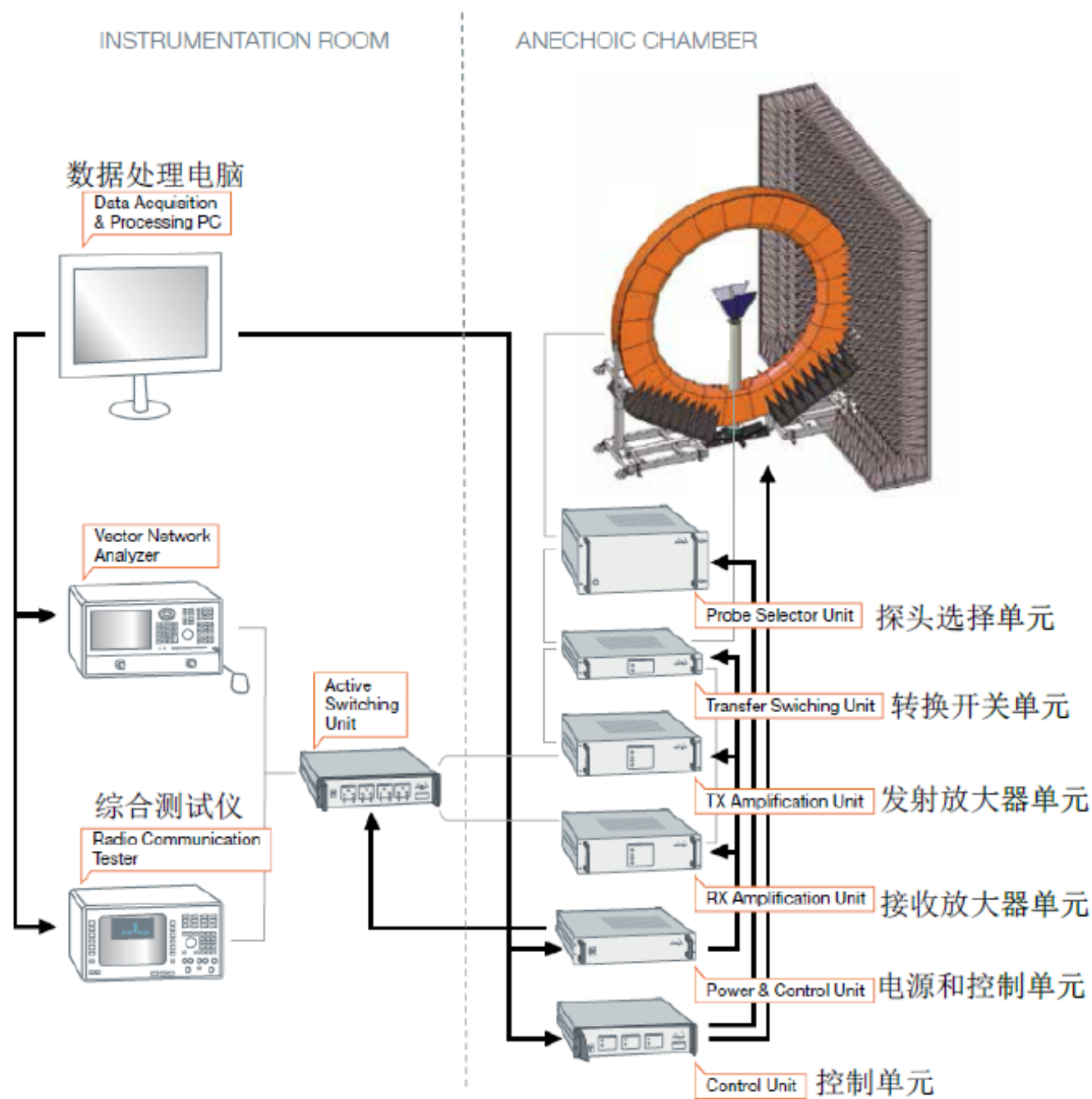
ITEM	ANTENNA SPEC				
Model Name	VSW07--WiFi				
Frequency & Gain	2400MHz	2420MHz	2440MHz	2460MHz	2480MHz
	1.82	1.75	1.71	1.81	1.96
Peak Gain(dBi)	1.96				
Average Gain(dB)	1.81				
Impedance	50 Ω				
Antenna Size	14.5*9.8 (mm)				
Manufacture	Sky Light Electronic (ShenZhen) Limited				
VSWR	< 2.0				
Return Loss(dB)	<-10				

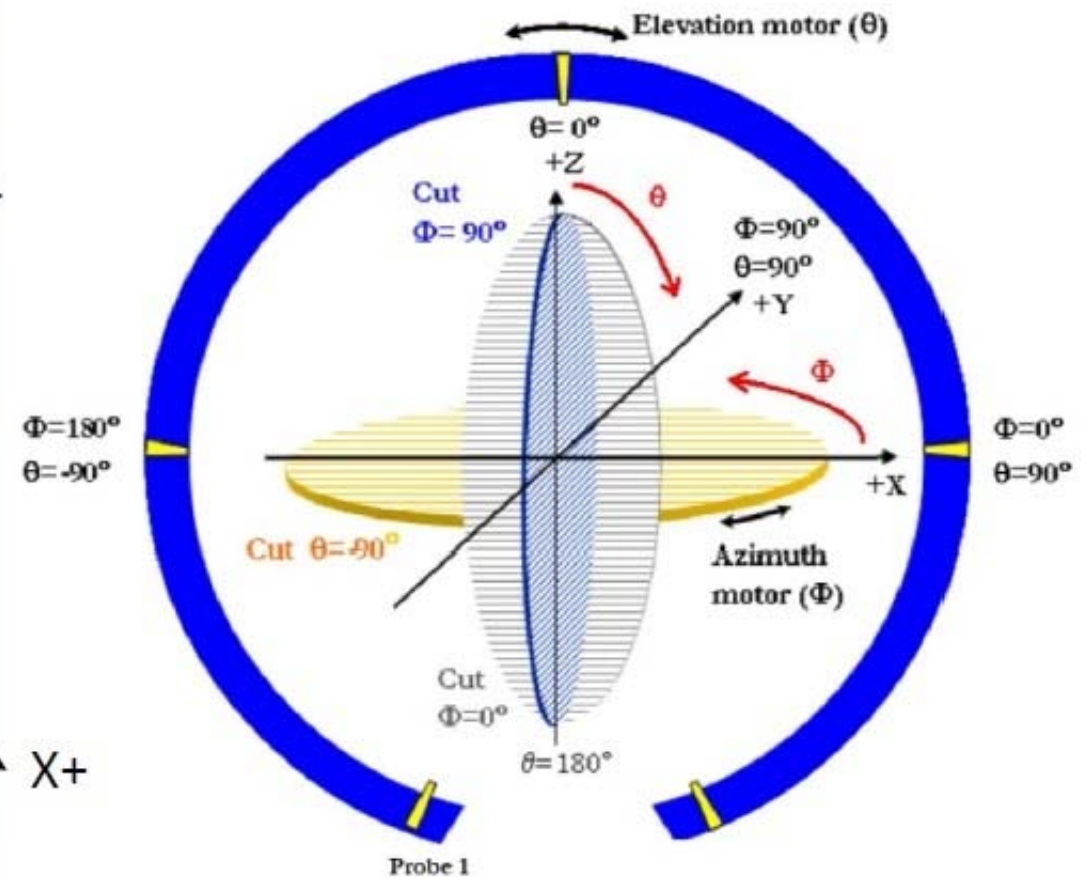
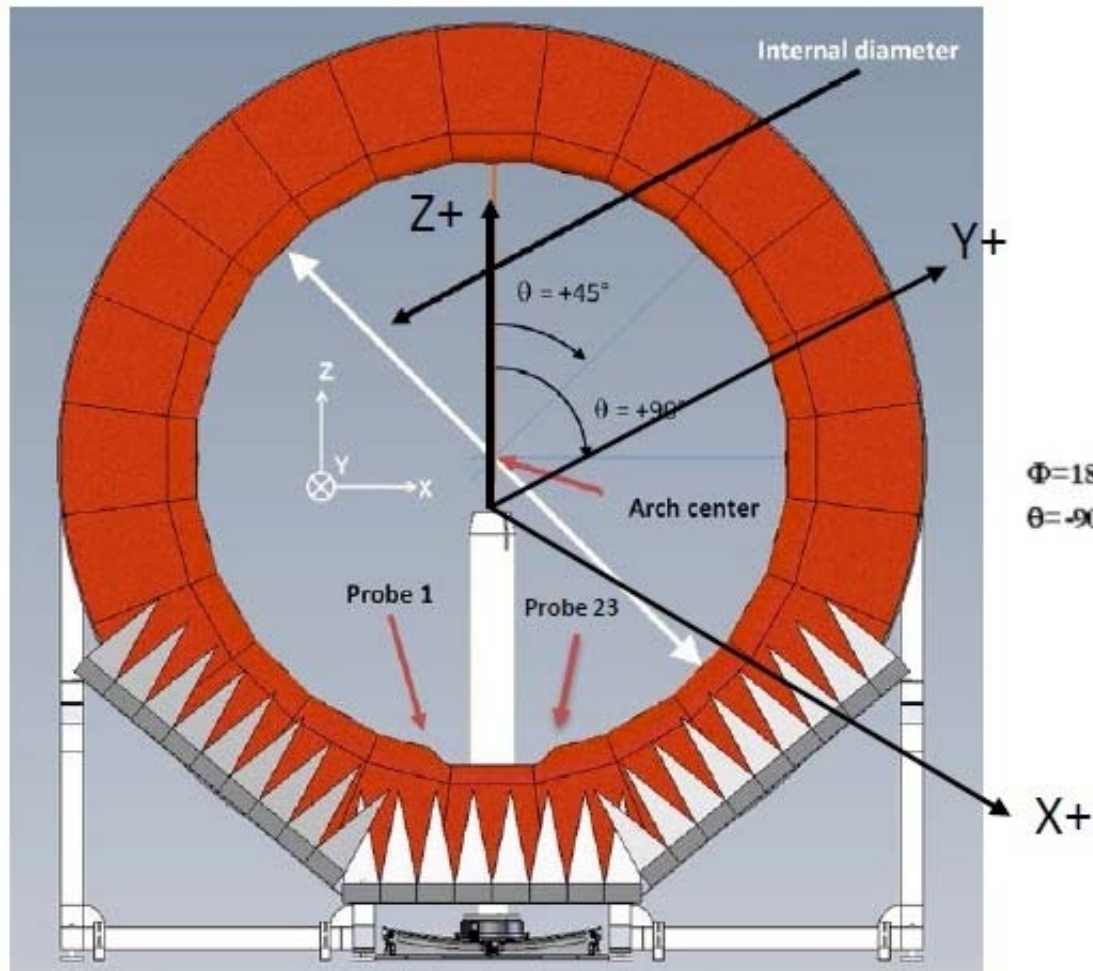
SPEC--Sub 1G



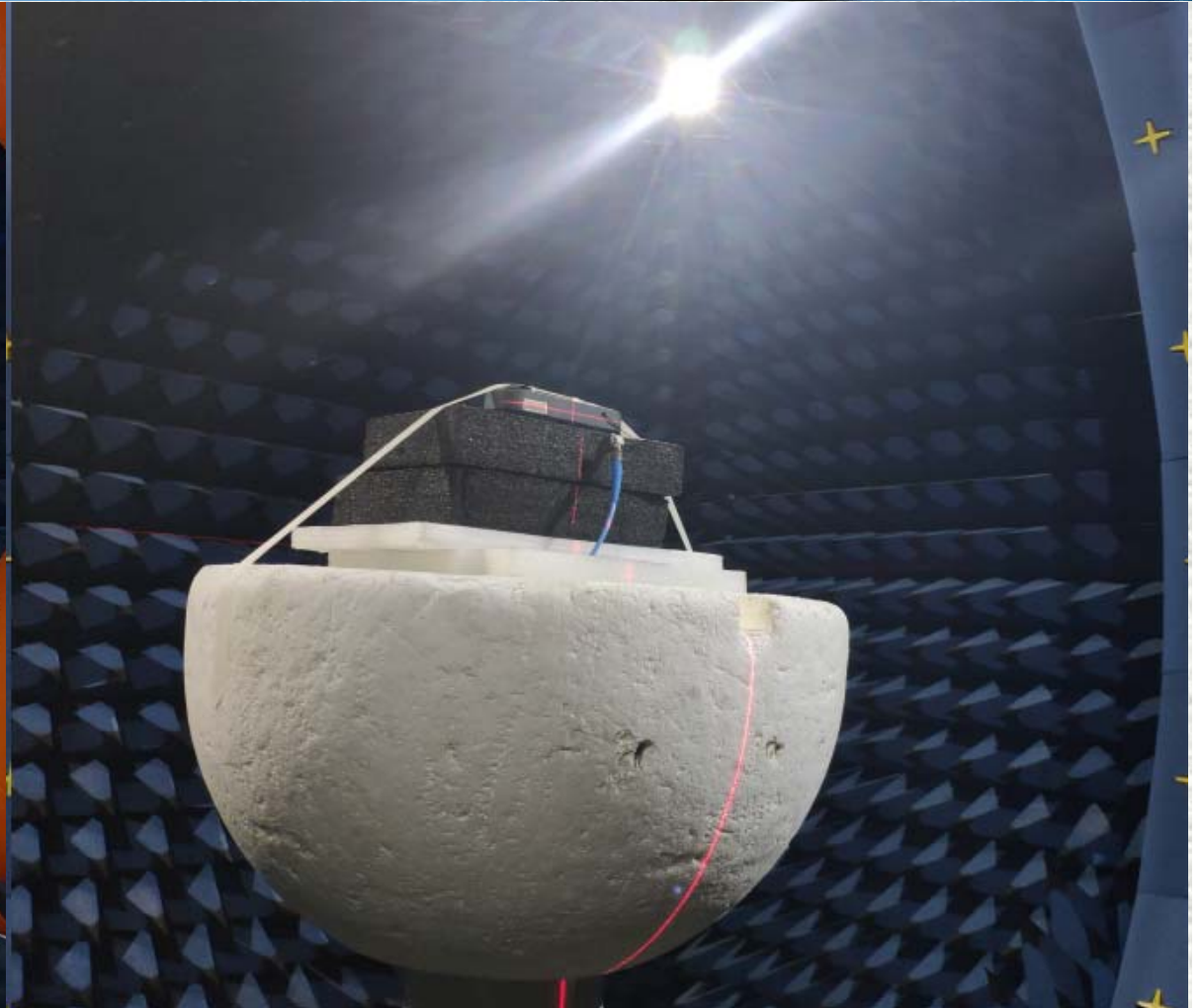
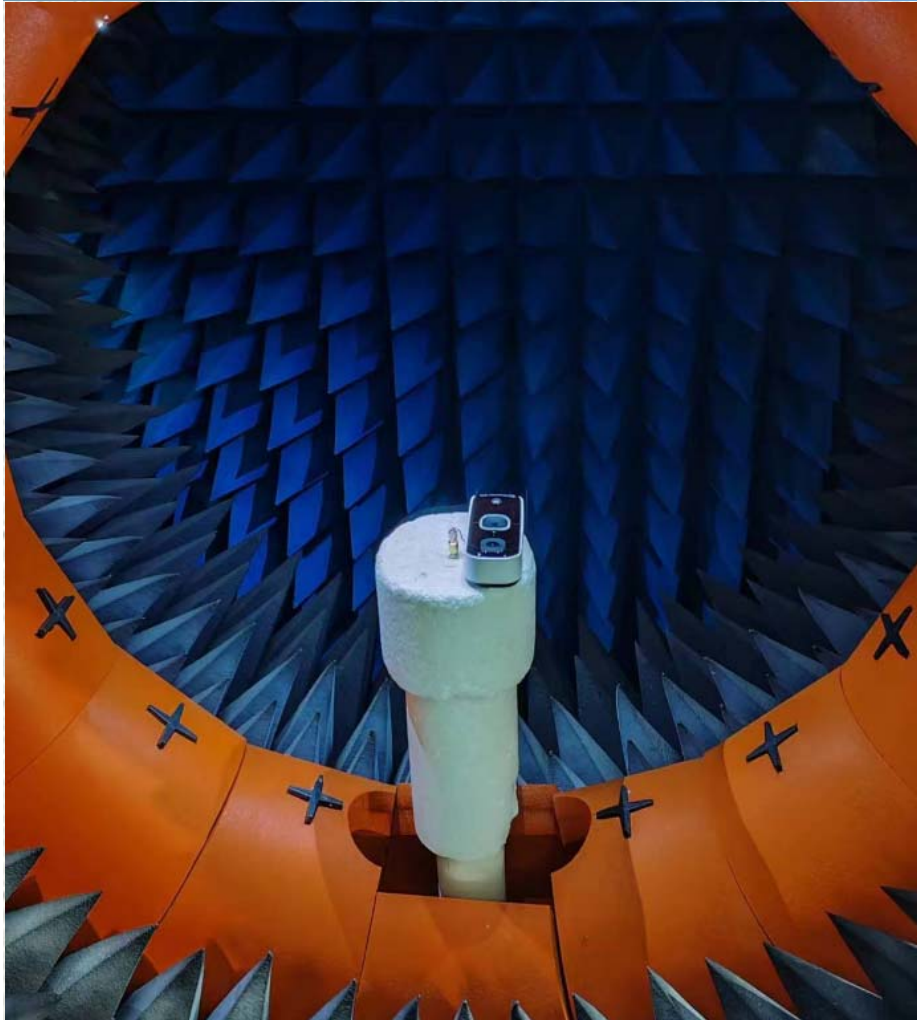
ITEM	ANTENNA SPEC				
Model Name	VSW07-- Sub-1G				
Frequency & Gain	413MHz	423MHz	433MHz	443MHz	453MHz
	-14.53	-11.83	-9.14	-8.75	-10.19
Peak Gain(dBi)	-8.75				
Average Gain(dB)	-10.88				
Impedance	50 Ω				
Antenna Size	56.2*19.8 (mm)				
Manufacture	Sky Light Electronic (ShenZhen) Limited				
VSWR	< 2.0				
Return Loss (dB)	<-10				

Instrumentation Performance

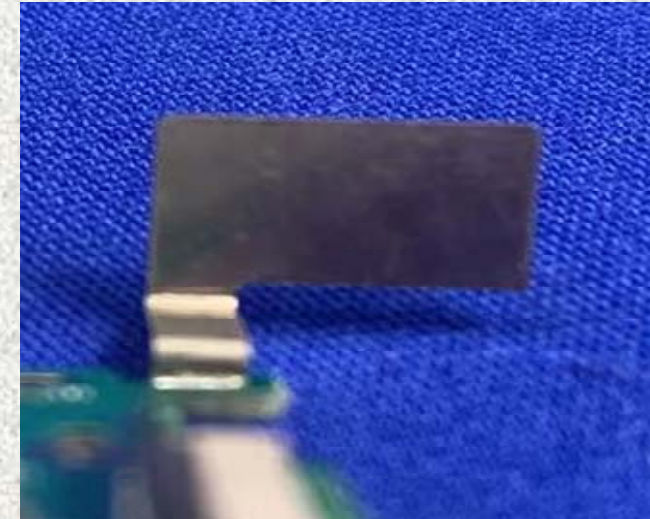
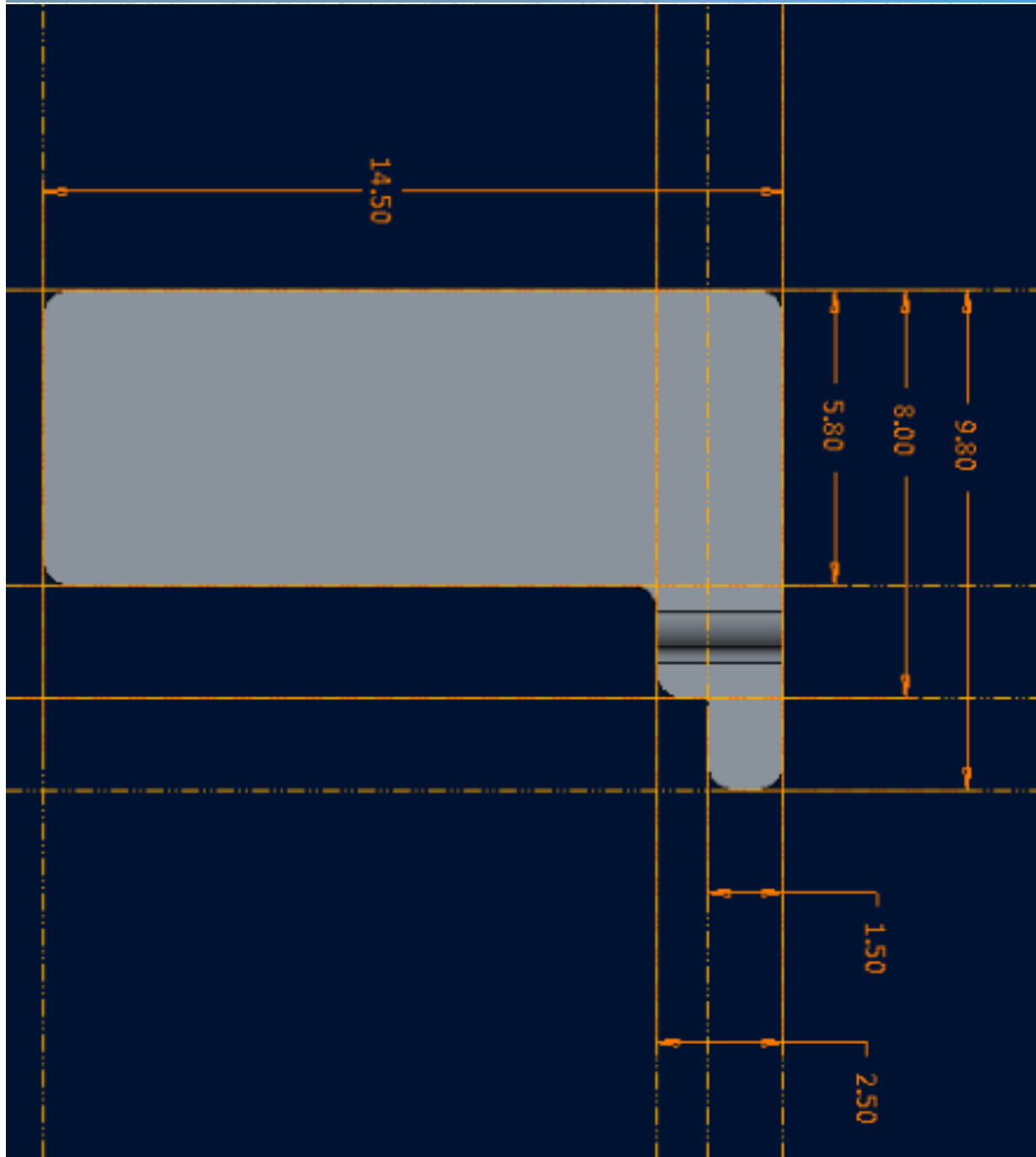




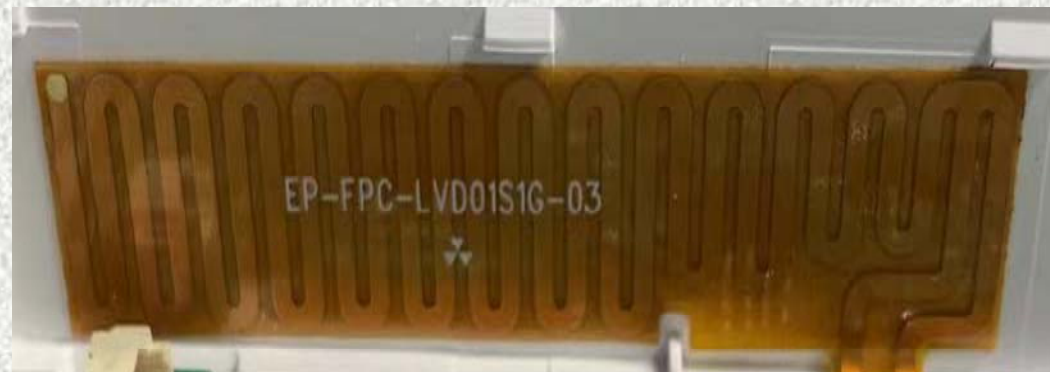
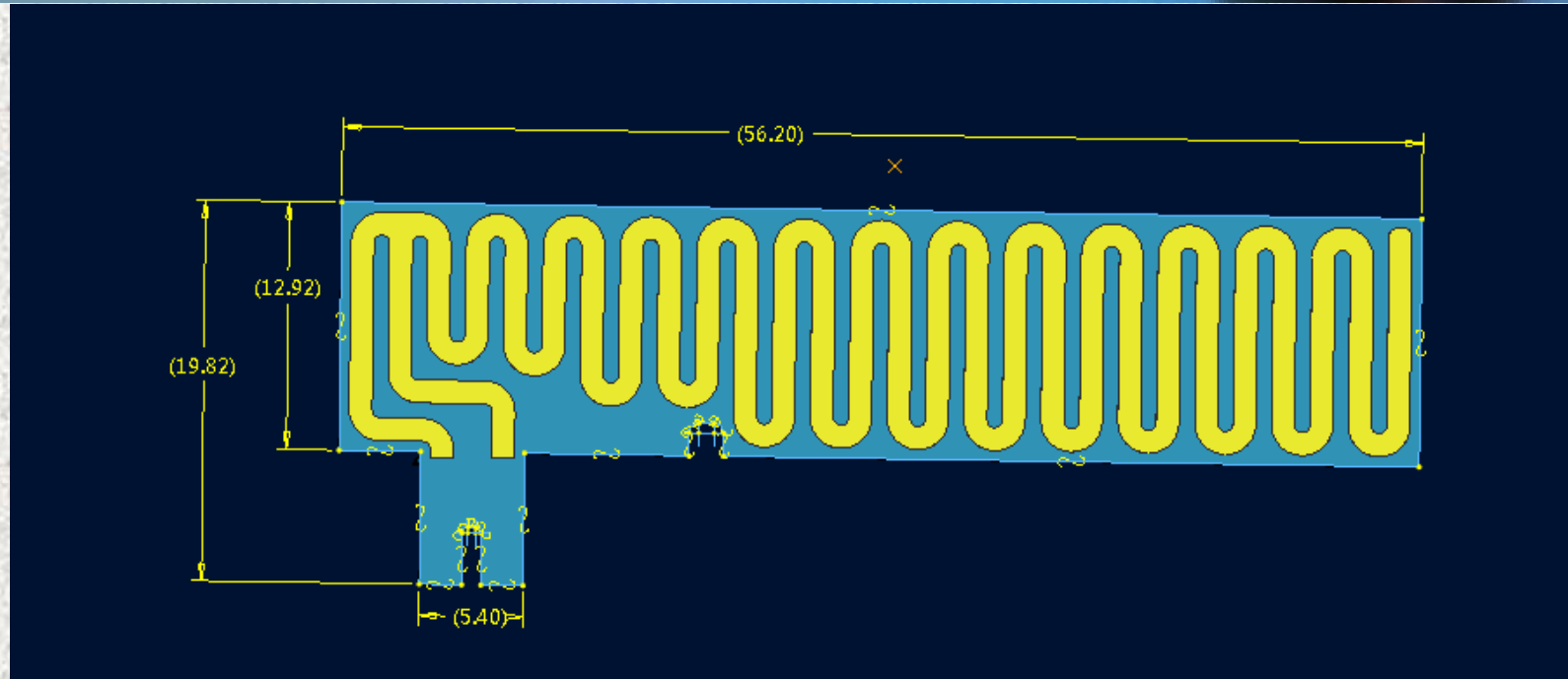
VSW07 in the lab



Antenna Size--WiFi

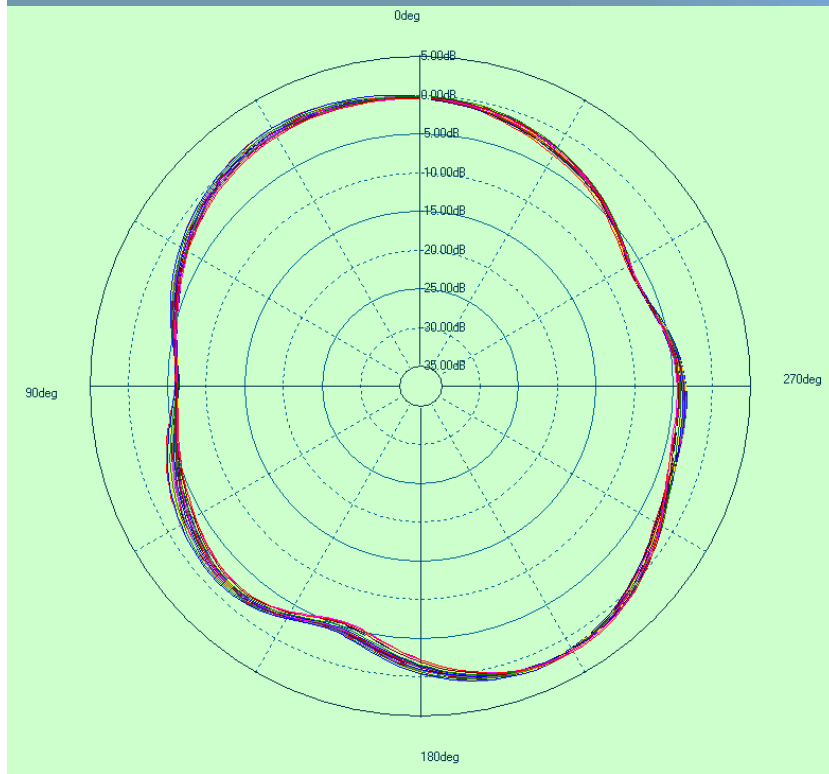


Antenna Size--Sub-1G

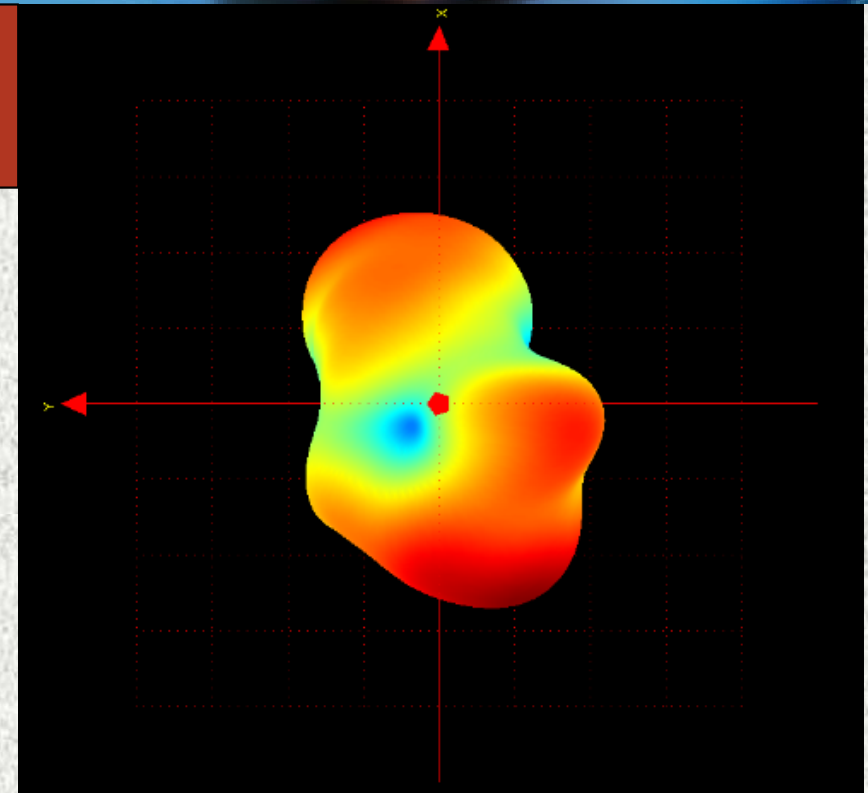


Performance of VSW07-2.4G

2D&3D sectional view

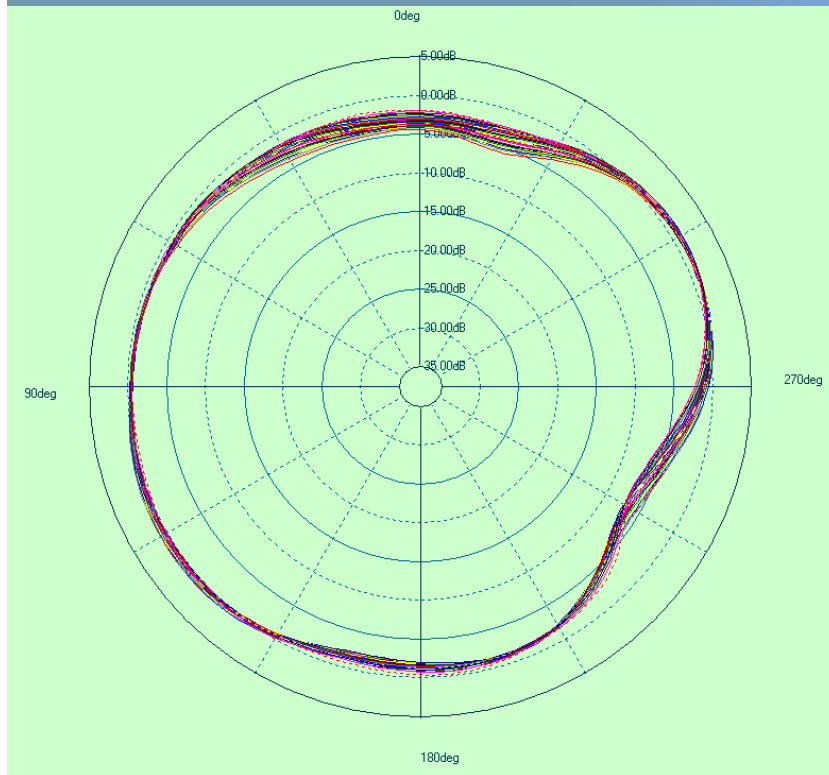


XY Plane
at 2.4GHz

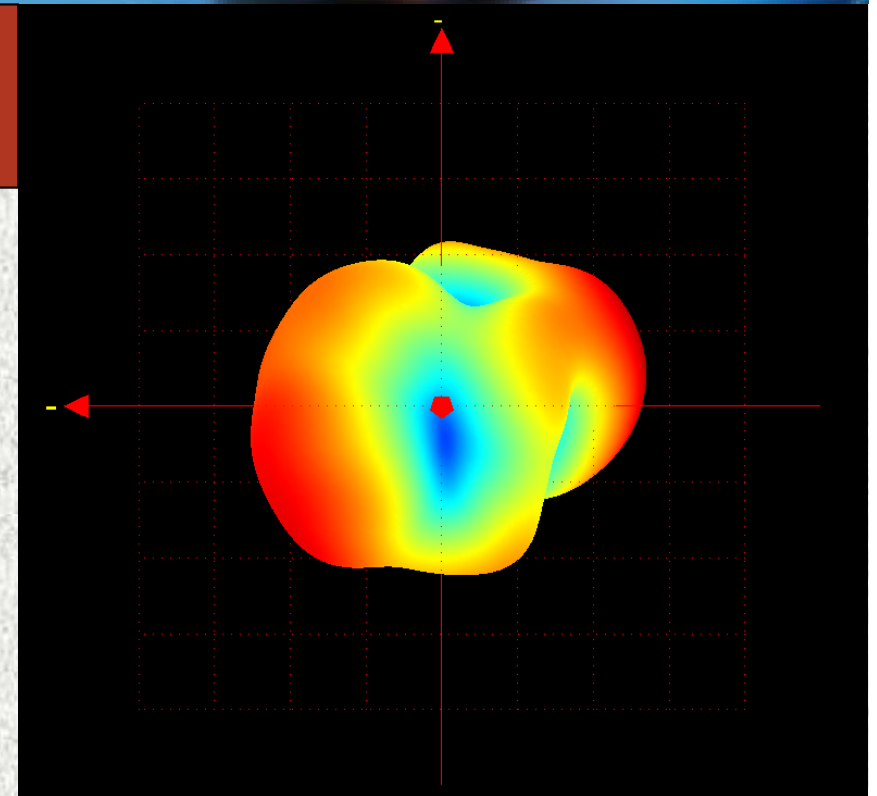


Performance of VSW07-2.4G

2D&3D sectional view

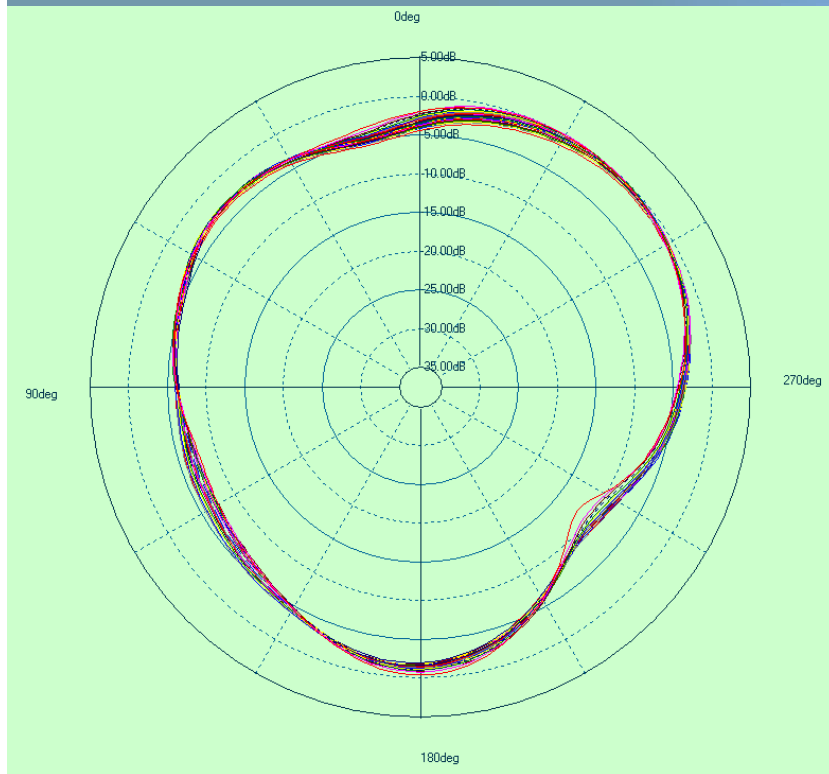


XZ Plane
at 2.4GHz

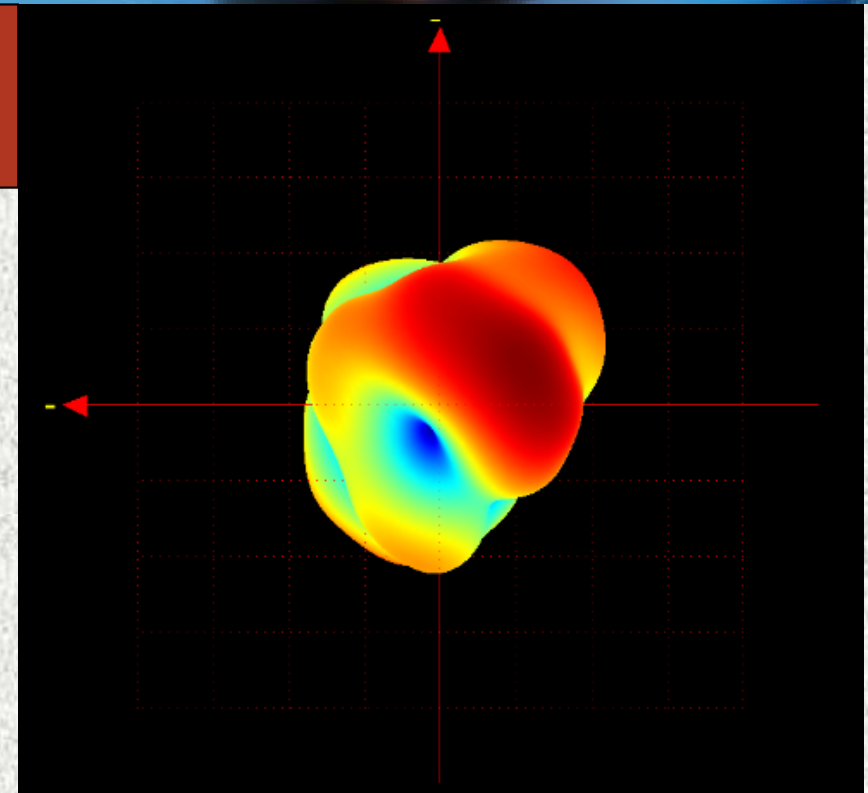


Performance of VSW07-2.4G

2D&3D sectional view



XZ Plane
at 2.4GHz



Thank You !

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