

# 深圳粤讯通信科技有限公司

Shenzhen yosong Communication Technology Co., Ltd

## 天线测试报告

Antenna Test Report



日期：2022年11月18日



# Report Content:

1. Project brief introduction
2. Project team key responsible INFO.
3. RF test environment
4. Antenna circuit treatment and layout
5. Antenna active data: OTA

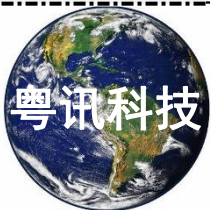
# 1. Project tuning brief introduction

<b>Customer</b>		<b>SYMSONIC</b>		<b>Project Type</b>		<b>1881</b>	
<b>Project Name</b>		<b>PHONE</b>		<b>Antenna type</b>		<b>stainless steel</b>	
<b>Antenna detail</b>	<b>Main Antenna</b>	<b>Band</b>		<b>Antenna status</b>	<b>Antenna area</b>	<b>Antenna category</b>	<b>Antenna match circuit change or not</b>
		<b>2G</b>	<b>GSM 850/1900</b>				<b>NO</b>
	<b>Other antenna</b>						



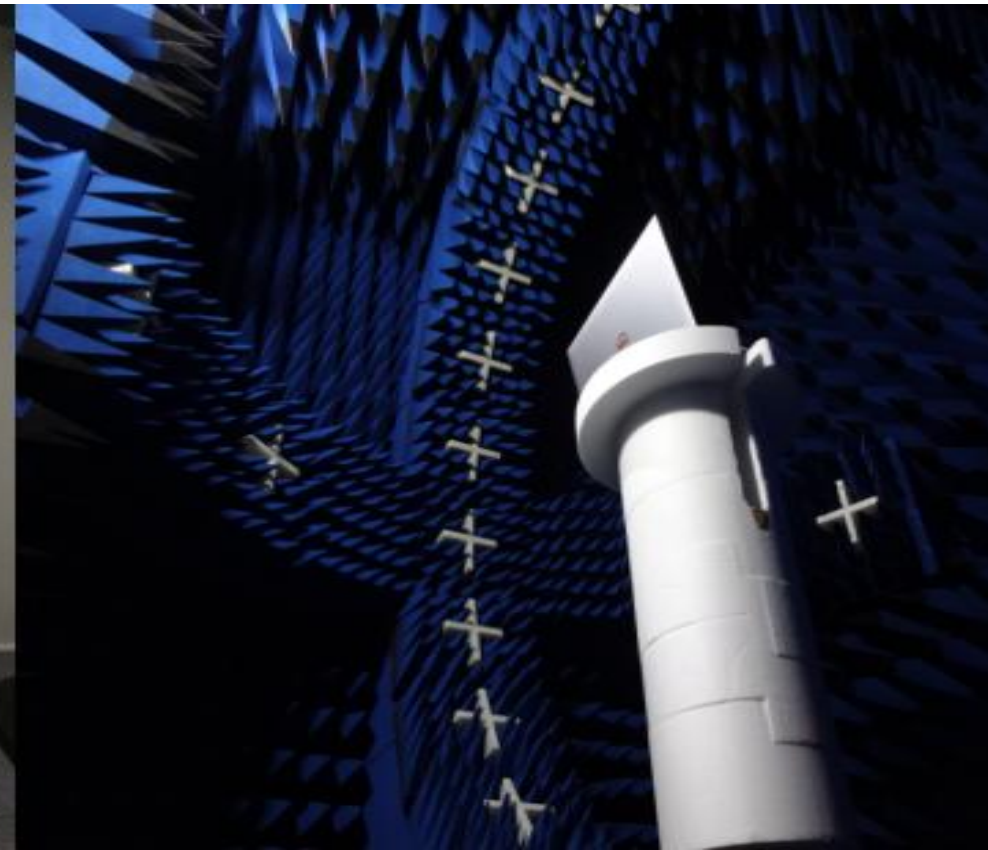
## 2. Project team key responsible INFO.

Sales	Kent Zhang	13662639082	Kent.zhang@szyosong.com
RF Engineer	Zhou Hao	15618135160	zh@szyosong.com
Mechanical Engineer	Heye	18576423302	heye@szyosong.com

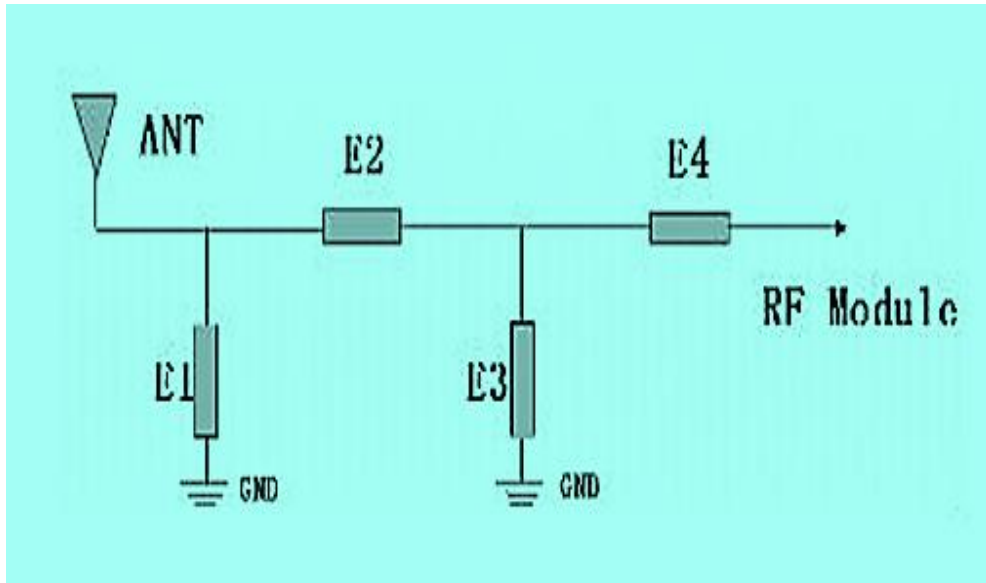


# 3. RF test environment

Main test equipment	CMW500
Antenna Chamber	Atenlab M3
Test Engineer	Yi Wei
Temp.	25°C
Humidity	65% (RH)

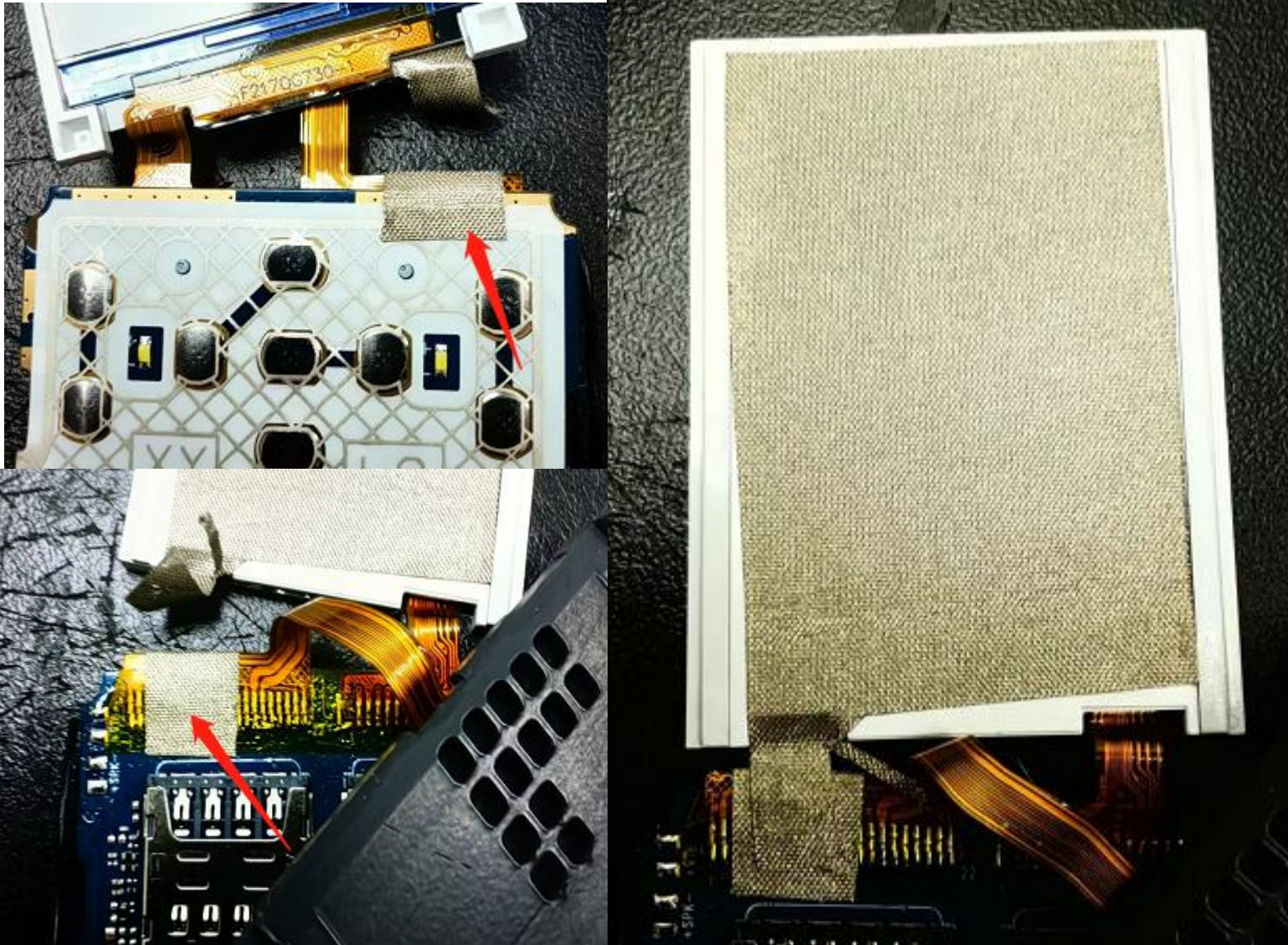


## 4. Antenna circuit treatment and layout



**No change for circuit  
and surrounding treat**

# 4.1 The shielding method of full handset



As the figure shown, we can promote the power and sensitivity of the low frequency through adding the length of GND by the means of attaching conductive material from the top and bottom of PCBA.

## YoSong ANT TRP&TIS parameter Summary

Band	GSM850			PCS1900		
Channel	128	192	251	512	661	810
TRP (dBm)	<b>27.43</b>	<b>27.89</b>	<b>28.05</b>	<b>25.36</b>	<b>25.43</b>	<b>25.6</b>
TIS (dBm)			<b>-103.87</b>			<b>-103.51</b>



THANK YOU