
Shenzhen SKYLink Technology Co.,Ltd

Antenna Specification for Approval

Customer Name: _____

Product Name: _____ NES BT Antenna _____

Part NO. : _____ REVOCAMERA. 2. C113. 380B. 1 _____

Write By: _____ Damon Cui _____

Issued Date: _____ 2026. 04. 26 _____

Customer

R&D Dept	Business Dept	Approved By

SKYLink

R&D Dept	Engineer Dept	Approval

● Specification Summary

A. Electrical Characteristics	
Frequency	2400MHz ~2500MHz
VSWR	<2.0
Efficiency	>40%
Peak Gain	1.41 dBi
Impedance	50 Ohm
Polarization	Line
B. Material & Mechanical Characteristics	
Material of Radiator	Cu
Cable Type	1.13MM Black
Connector Type	1
Dimension	At Attachment
Heat-durability	280±5℃, 10sec.
C. Environmental Characteristics	
Operation Temperature	- 20 °C ~ + 80 °C
Storage Temperature	- 30 °C ~ + 85 °C

● Test Equipment & Conditions

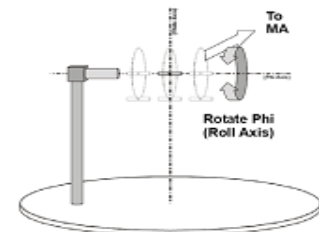
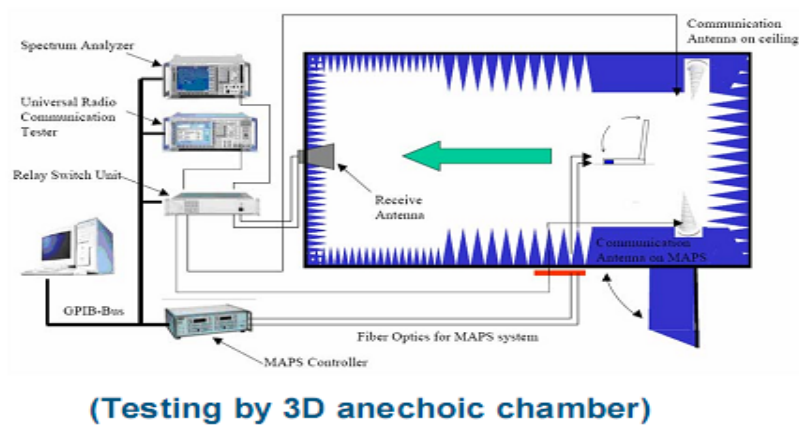
1. Network Analyzers :

Agilent 8753D 5071B

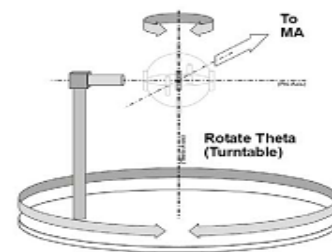
Communications Test Set:

Agilent E5515C CMW500

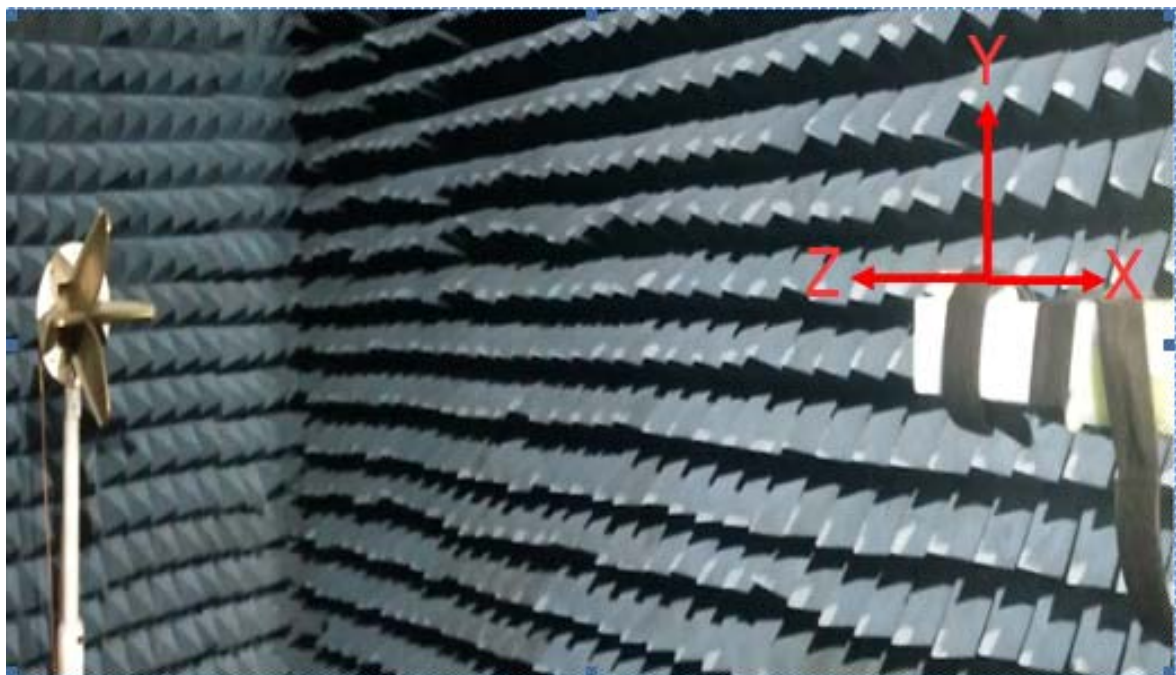
2. 3D Chamber Test System

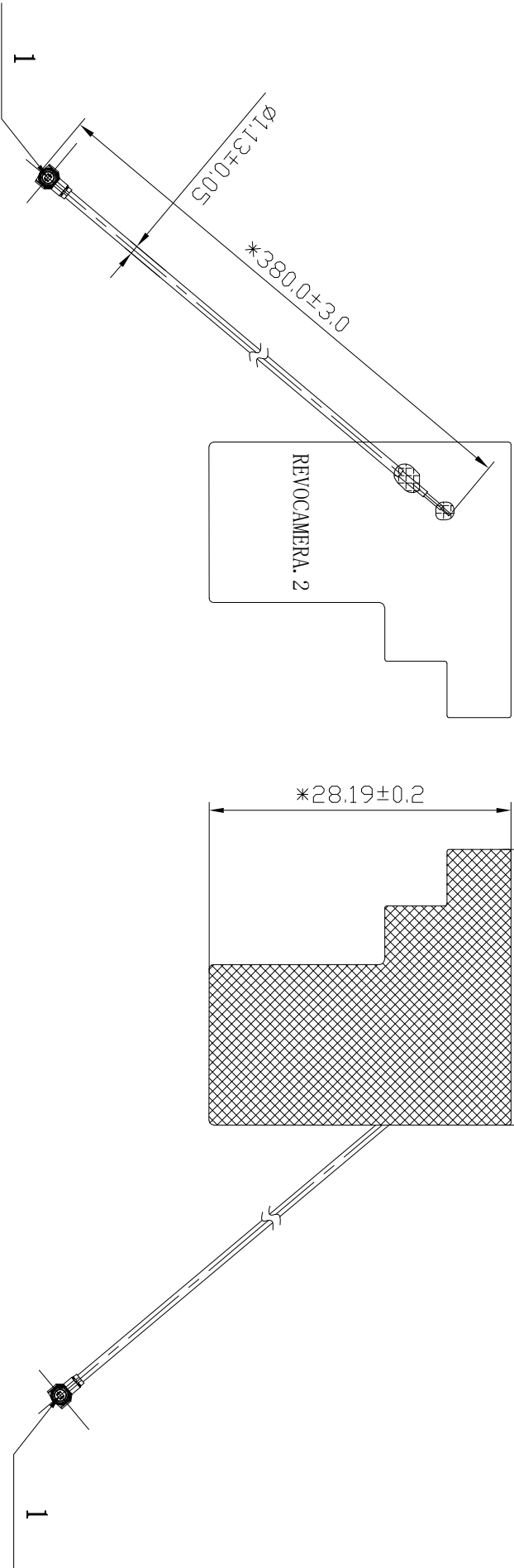
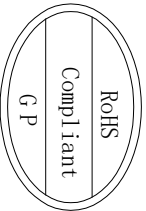


Phi axis test



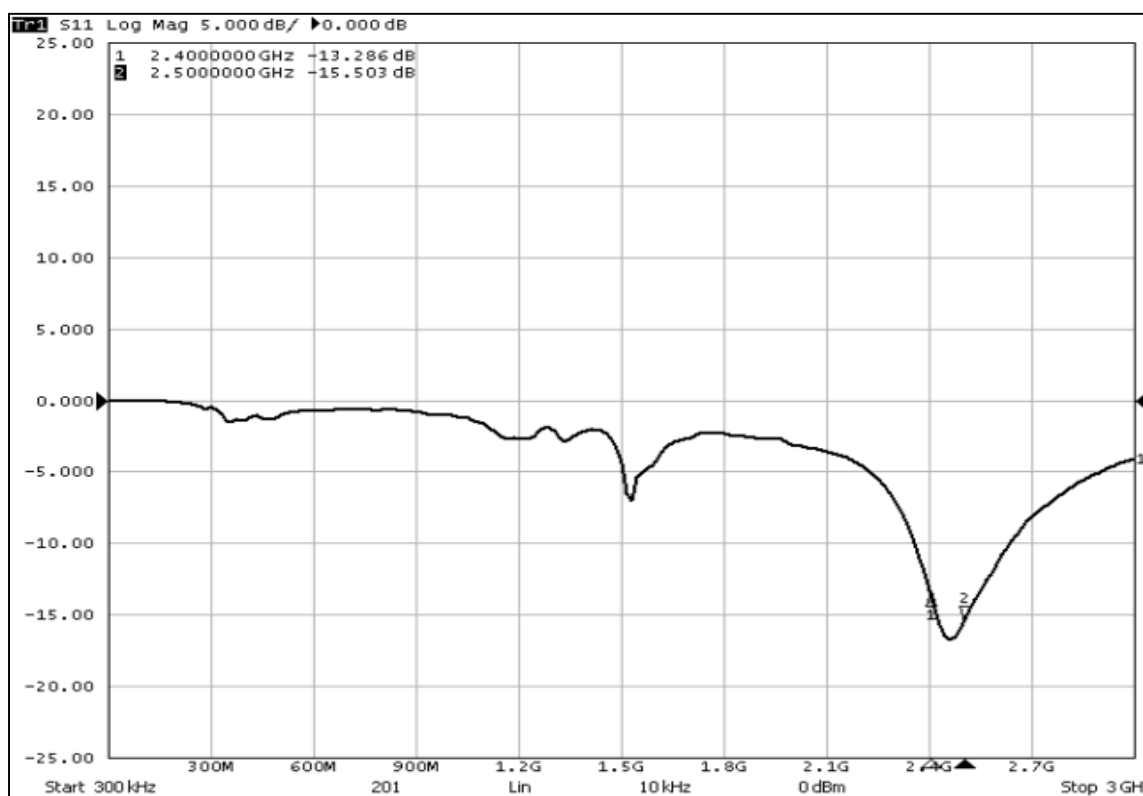
Theta axis test





										SHEN ZHEN SKYLink CO., LTD													
												Third Angle		Project		Date		2026-04-27					
										0~10		± 0.05		○		0.02		Part Name					
										10~18		± 0.10		◎		$\phi 0.03$		Part No.		REVOCAMERA.2.C113.380R.1			
										18~30		± 0.12		⊥		0.02		Material					
										30~40		± 0.15				0.04							
										40~		± 0.20		Angle		$\pm 0.5^\circ$		DWG No.					
										Location													

◆ Return Loss

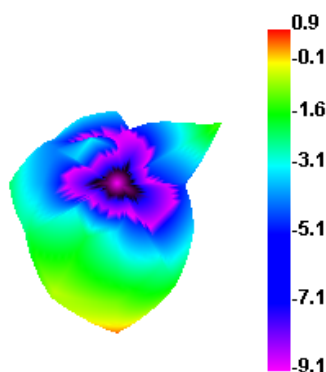


◆ Gain & Efficiency

Fre (MHz)	Eff (%) (dB)	Gain (dB)
2400	45.95	0.93
2410	45.55	0.87
2420	46.61	1.16
2430	47.57	1.4
2440	47.27	1.4
2450	47.41	1.34
2460	47.11	1.24
2470	46.09	1.04
2480	46.61	1.16
2490	47.81	1.41
2500	46.69	1.28

◆ Radiation Pattern

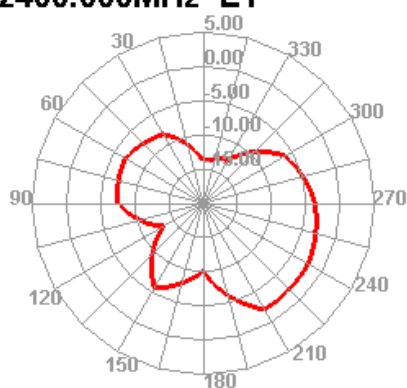
2400.000MHz



2400.000MHz H



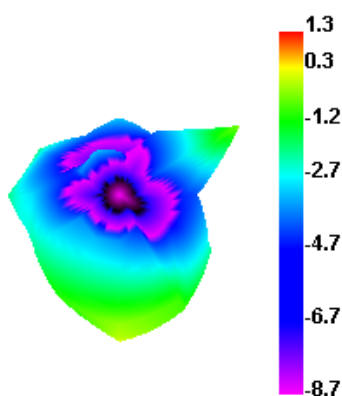
2400.000MHz E1



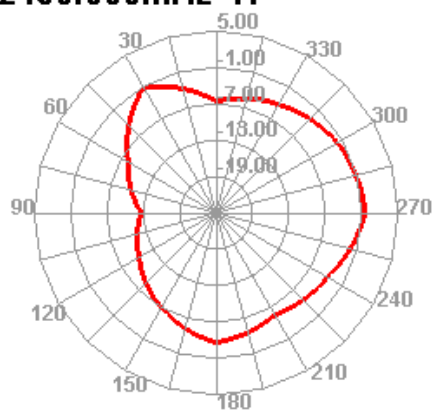
2400.000MHz E2



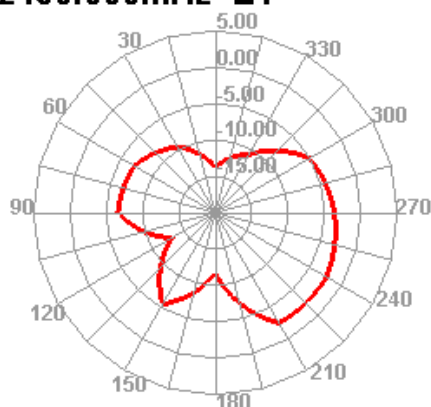
2450.000MHz



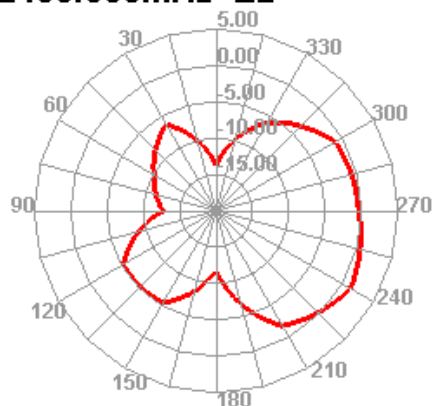
2450.000MHz H



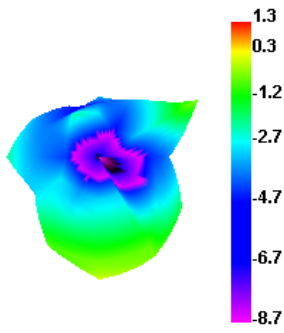
2450.000MHz E1



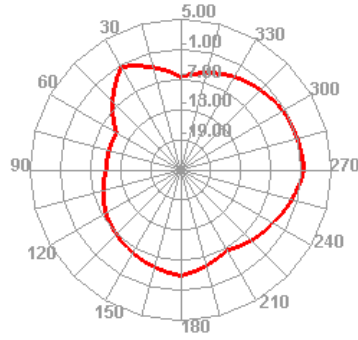
2450.000MHz E2



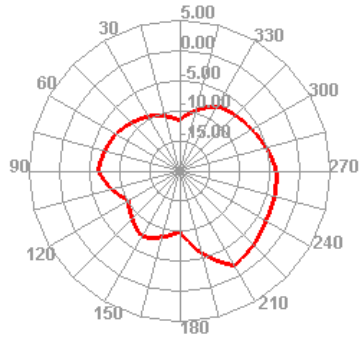
2500.000MHz



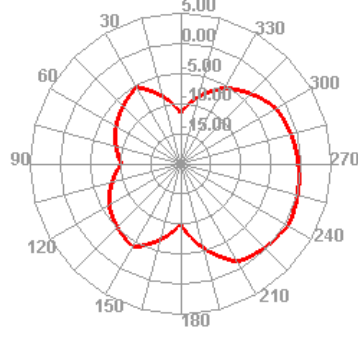
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



◆ Reliability Test

Test Item		Test condition	Equipment	Specification	Result
1	Low Temp. Storage Test	Temperature: -30℃, Time:48hrs Test condition: Placing antenna in a Low/High Temperature Chamber, keep the temp is 25℃ and humidity is 65% for one hour, then step-down the temp. to -30℃ in one hour, store antenna for 44 hours; step-up temp to 25℃,test antenna after 2 hours.	Temp.&Humi. Tester	No material deformation is allowed. Electronic Performance is ok .	PASS
2	High Temp./High Humid Storage Test	Temperature: 85℃ Humidity: 85% RH Time:48hrs Test condition: Placing antenna in a Low/High Temperature Chamber, keep the temp is 25℃ and humidity is 65% for one hour, then step-up the temp. to 80℃ and the humidity up to 85% in one hour, store antenna for 44 hours; step-down temp to 25℃,test antenna after 2 hours.	Temp.&Humi. Tester	No material deformation is allowed. Electronic Performance is ok .	PASS
3	Salt-Spray 6 pray Test	Placing antenna in the Salt-Spray Tester ,set the test condition , Temp: $35 \pm 2^{\circ}\text{C}$ Humidity: 85% NaCl salt spray :5 ± 1 %.PH value :6.5~7.2 Test time:24hours	Salt-Spray Tester	No color change No appear rusting	PASS