



SHENZHEN KINGHELM ELECTRONIC CO., LTD.

Rubber Antenna

Datasheet

Customer		Frequency Band	800-2690Mhz
Name of Wire Rod	Coaxial Line	Version	A1
Customer P/N		Part Number	KH0(4G)-01
Technical Director	MARK	Date	2020-09-24

Supplier Signature	Customer Signature

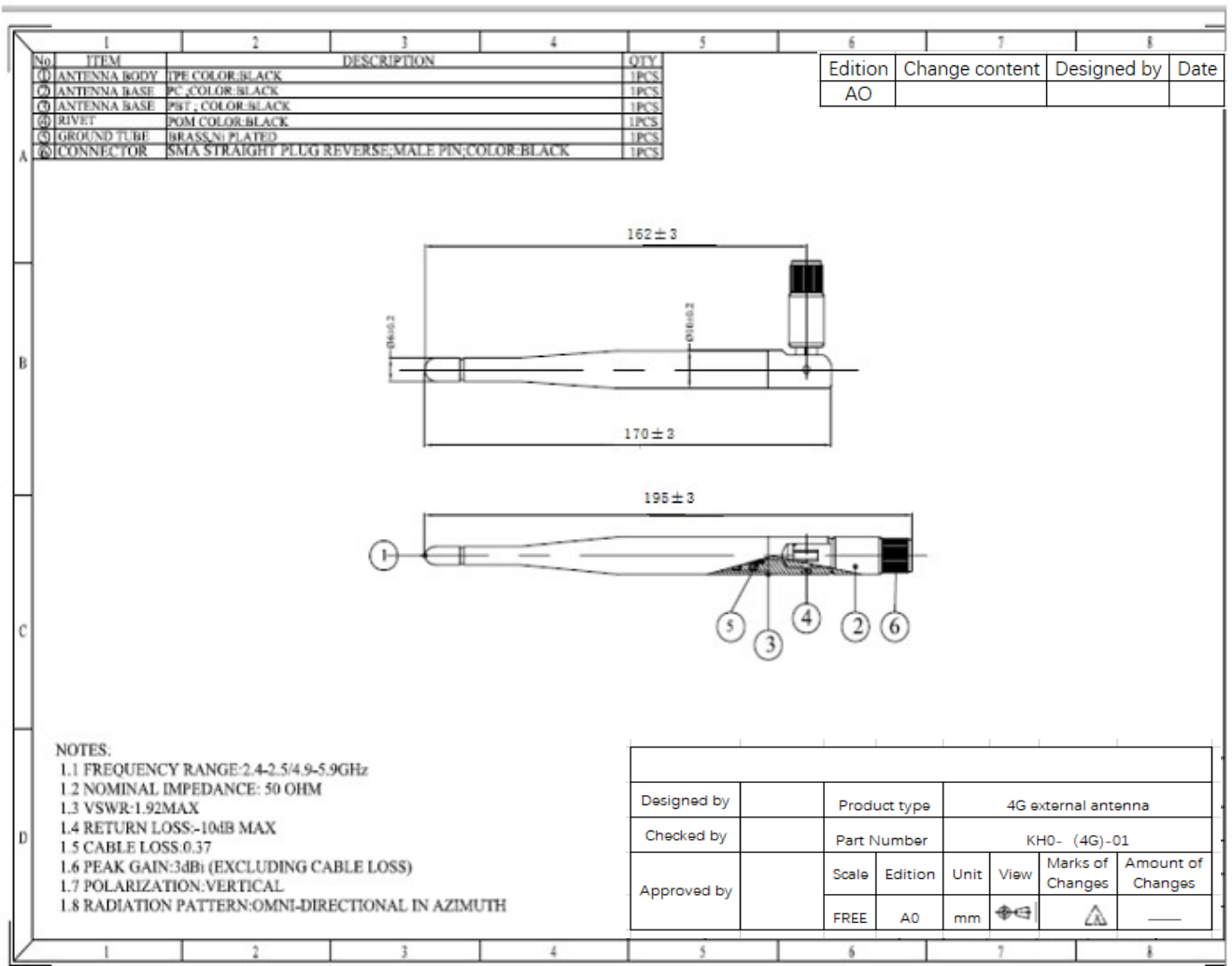
Content

Front Cover.....	1
Content	2
I. Image.....	3
II. Dimensions	4
III. Parameters	5
IV. S11 Data.....	6
V. Active Report.....	7
VI. Environmental Performance Testing.....	8

I. Image



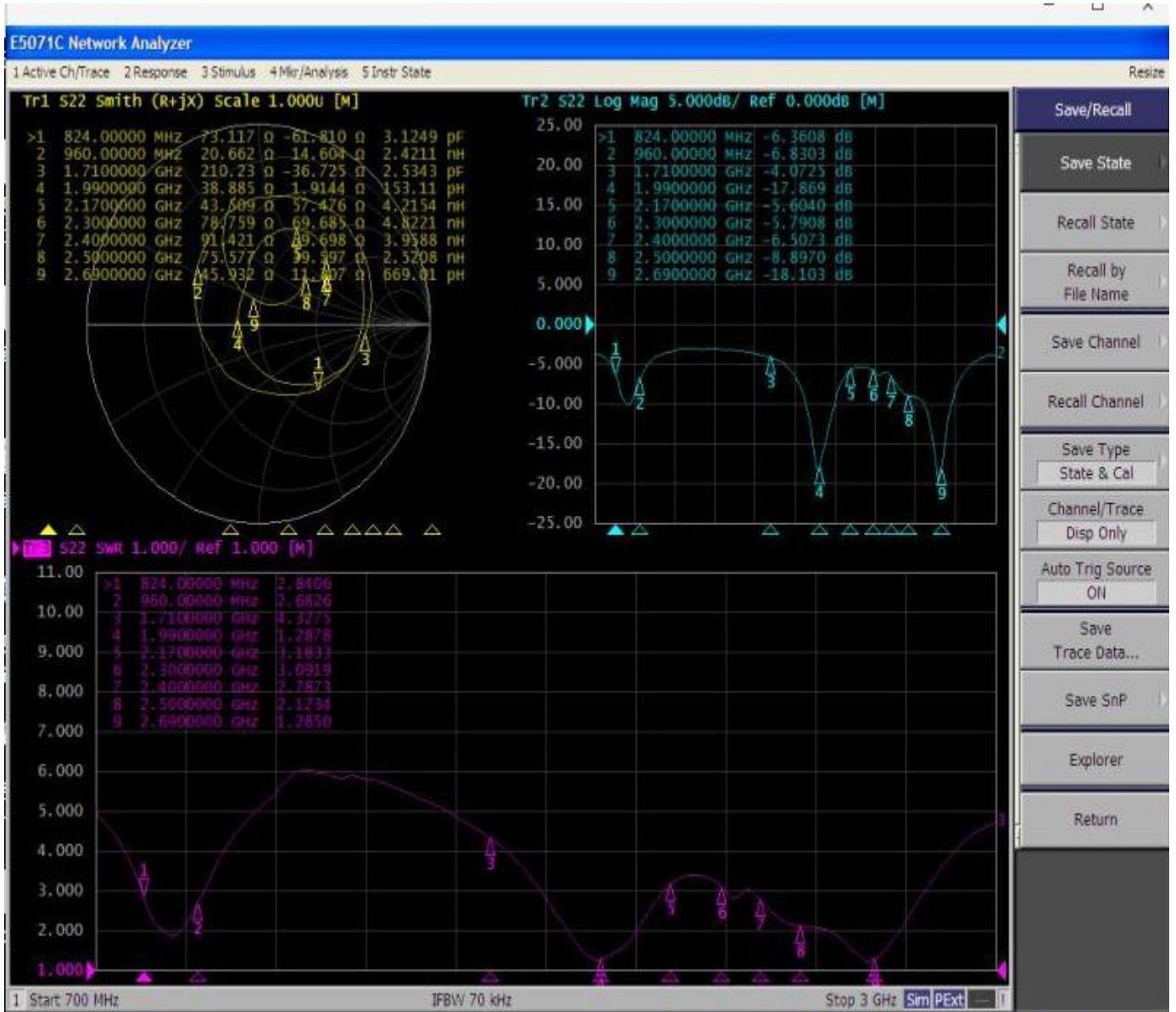
II. Dimensions



III、Parameters

Testing Parameters			
Name	Rubber Antenna	Model Type	KH0(4G)-01
Electrical Specifications			
Frequency Range	800-2960MHZ	Polarization	Vertical
Impedance	50 Ω	Radiation Direction	Omnidirectional
VSWR	≤1.5	Power	50W
Gain	5dBi	Bandwidth	136/980MHz
Mechanical Specifications			
Dimensions		Radome Color	Blake
Connector	SMA	Cable Length	
Radome Material			
Working Temperature	-40°C-+85°C	Limit Temperature	-40°C-+85°C

IV、S11(VSWR, Return loss, Smith) Data



V、Environmental Performance Testing

Item	Test Conditions	Specifications
Storage Conditions	If not specified, the test temperature, humidity and air pressure will be as follows: 1. Temperature: $-40\text{ }^{\circ}\text{C} \sim +85\text{ }^{\circ}\text{C}$ 2. Relative humidity: 0% - 95% 3 Air pressure: 86kpa-106kpa	Normal Electrical and Mechanical Properties
High-Low Temperature Test	Carry out 5 cycles between $85\text{ }^{\circ}\text{C}$ and $-40\text{ }^{\circ}\text{C}$, and then place it for 1-2hrs under normal conditions to check its appearance quality.	The dimensions shall meet the requirements and For Electrical and Mechanical Properties
Constant Damp-Heat Resistance Test	Relative humidity: $95 \pm 3\%$, test temperature: $40\text{ }^{\circ}\text{C}$ after lasting for 2hrs, The electrical properties shall be measured within 5min after the test object is taken out. The test object shall be placed for 1-2h under normal conditions to check its appearance quality	The dimensions shall meet the requirements and For Electrical and Mechanical Properties
Vibration Test	Vibration Frequency: 10-55hz, Displacement Amplitude: 0.35mm, Acceleration Amplitude: 50.0m/s, Sweep Cycles: 30 times	Normal Electrical and Mechanical Properties
Free Fall Test	Free fall for 3 times in the direction of mutually perpendicular axes at the height of 1m	Normal Electrical and Mechanical Properties