

Dongguan Kexun Electronics Co., Ltd

SPECIFICATION FOR APPROVAL

Supplier: Kexun Parts Name: RF-LL2&5&6G-3dBi-Left

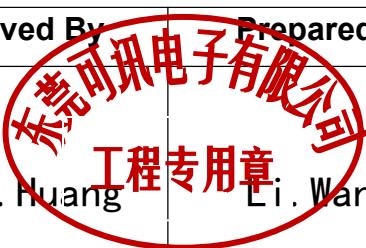
Antenna PCB-1.13 Black 85,KX

Type/Spec: ∅ 1.13, Black Parts No: **10034638**

Brand: _____ Quantity: 10pcs

Send out Date: **2025.9.9** Document No: _____

Approve Date: _____ Version: **A0**

Supplier		Customer	
Approved By	Prepared By	Engineering Dept.	Quality Dept.
 Xi lin. Huang	Li. Wang		

一、Electrical parameters

working Frequency	2&5&6G
impedance	50 Ω
VSWR	$\leq 2:1$
Gain	3.0dB
Power handling	2W
Ploriaztion	Horizontal
Radiation pattern	Omnidirectional

二、Mechanical parameters

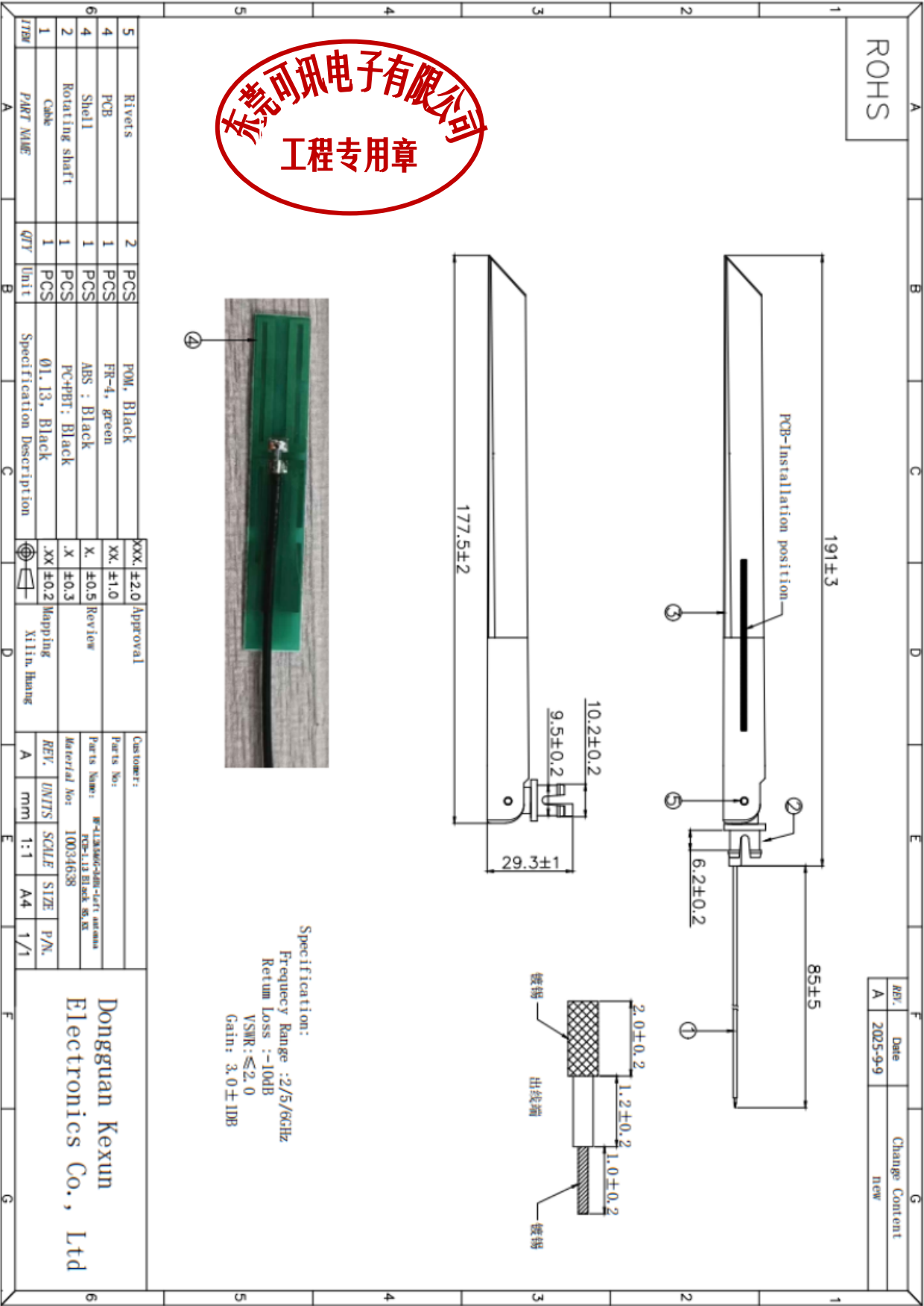
Line length	85 $\pm$ 5mm
Cable	1.13Cable, Black

三、Operating storage temperature

Operatin Temp	-30 $^{\circ}$ C $\sim$ 70 $^{\circ}$ C
Storing Temp	-30 $^{\circ}$ C $\sim$ 70 $^{\circ}$ C



五、Drawing



东莞可讯电子有限公司

工程专用章

六、Matters needing attention: NO

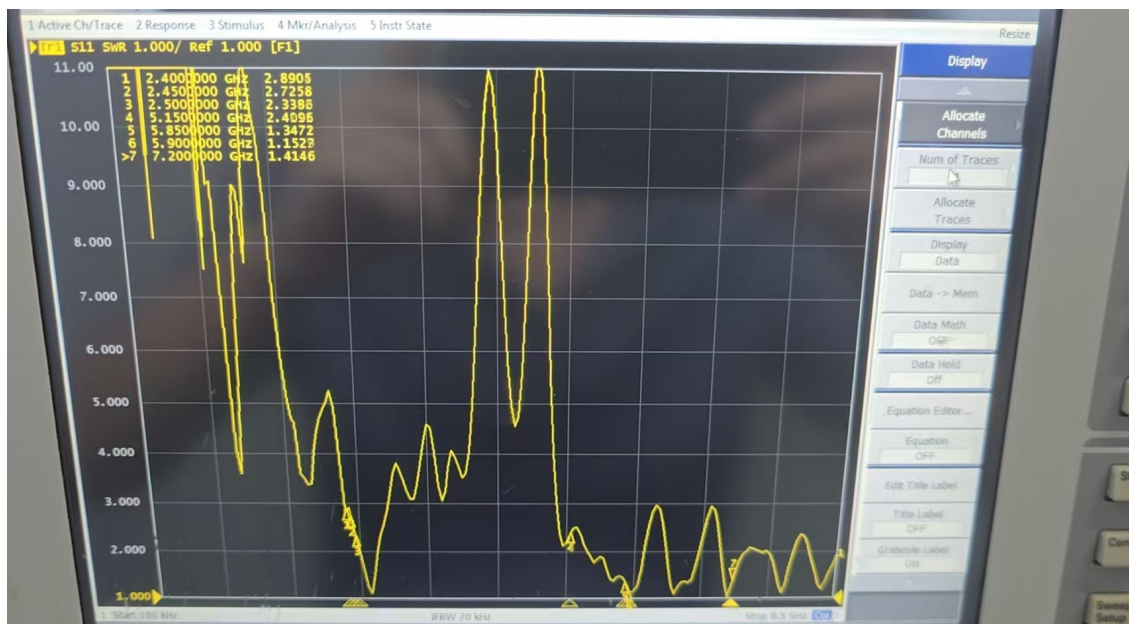
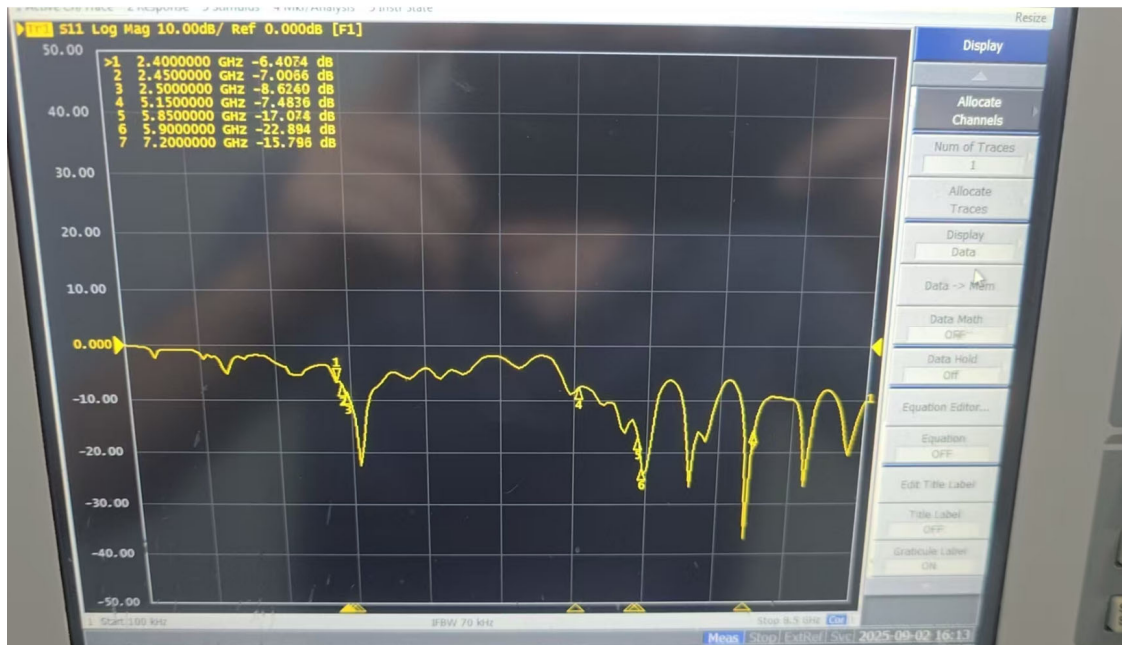
七、Environment and reliability experiment

Project	Experimental conditions	Performance requirements	Test machine
Low temperature storage	-30℃±2℃ Time 48H	No impact on appearance and function test after test	Constant temperature and humidity tester
high temperature and high humidity test	70℃, Humidity 90~95% /RH Time 48H	No impact on appearance and function test after test	Constant temperature and humidity tester
Temperature shock	Product environment: -35℃ placement 2H transferred to 80℃ for placement 2H, 12 cycles in total 48H	No impact on appearance and function test after test	Constant temperature and humidity tester



八、Test data

1、Return Loss and VSWR (2&5&6GHz)



2、Benefits and gain

Frequency	X-Zplane		Y-Zplane		X-Yplane		E-to tal	Effici ency
	Phi=0		Phi=90		theta=90			
(MHz)	PeakG ain	Average Gain	PeakG ain	Average Gain	PeakG ain	Average Gain	(dB i)	(%)
5100	2. 11	-2. 54	2. 40	-3. 05	2. 62	2. 45	3. 05	72%
5450	2. 20	-2. 21	3. 13	-3. 19	2. 70	2. 36	2. 85	69%
5800	2. 32	-2. 91	2. 30	-2. 88	2. 63	2. 56	2. 95	70%
6000	2. 30	-2. 66	2. 30	-2. 55	2. 43	2. 38	2. 56	60%
6150	2. 31	-2. 51	2. 33	-2. 56	2. 51	2. 44	2. 51	62%
6550	2. 28	-2. 58	2. 41	-2. 61	2. 33	2. 54	2. 75	65%
6850	2. 32	-2. 61	2. 55	-2. 63	2. 35	2. 48	2. 71	66%
7115	2. 22	-2. 61	2. 41	-2. 35	2. 45	2. 39	2. 68	63%
2400	2. 25	-2. 35	2. 56	-2. 68	2. 81	2. 66	2. 83	68%
2450	2. 36	-2. 53	2. 64	-2. 81	2. 75	2. 65	2. 82	70%
2500	2. 65	-2. 62	2. 82	-2. 88	2. 85	2. 71	2. 88	69%

3. 3D & 2D Radiation Pattern

