

Sample Recognition Letter

Project name : KE8

Chang Feng	ME	RF	QC
Signature	LIYANGQIN	WEIXING	LIUYANQIN
date	2025/04/16	2025/04/16	2025/04/16
CUSTOMER	ME	MD	QC
Signature			
date			

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Date	Edition	Condition
2025/04/16	A	FPCMold sample

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1Summary

This report is mainly used to describe the 《Changfeng Electronics》 KE8 Sample antenna recognition letter.

2Machine description

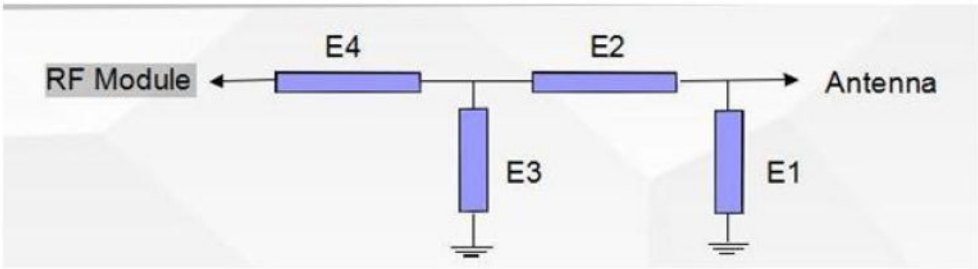
KE8 network mode is 2.4G,2.4G antenna at the bottom of the device, PIFA.The antenna is a ceramic antenna

3Debug settings

3.1standing wave(VSWR)andReccho reflection(Return Loss)
VSWRIs using the Agilent E5062B connected to the terminal assembly to test, state for free space。

3.2 TRP/TRS Tested in the ETS 5m× 4 m× 3 m 3D Dark Room using Agilent8960 (5513 C) 。

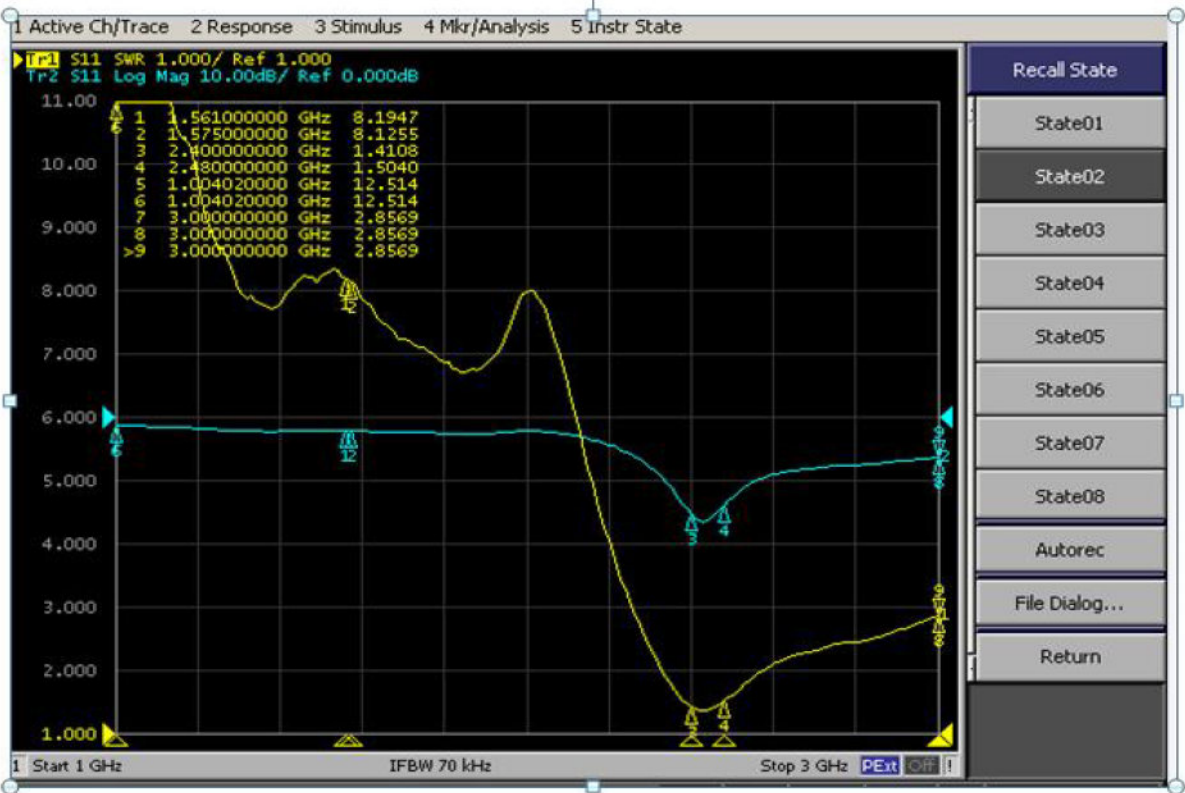
3.3Matching Circuit Description Match ha NO shave change,



2. 4G		Element	Value	According to the motherboard original board matching circuit is modified
		E2(0201)	NC	
		E2(0201)	0Ω	
		E3(0201)	NC	
		E4(0201)		

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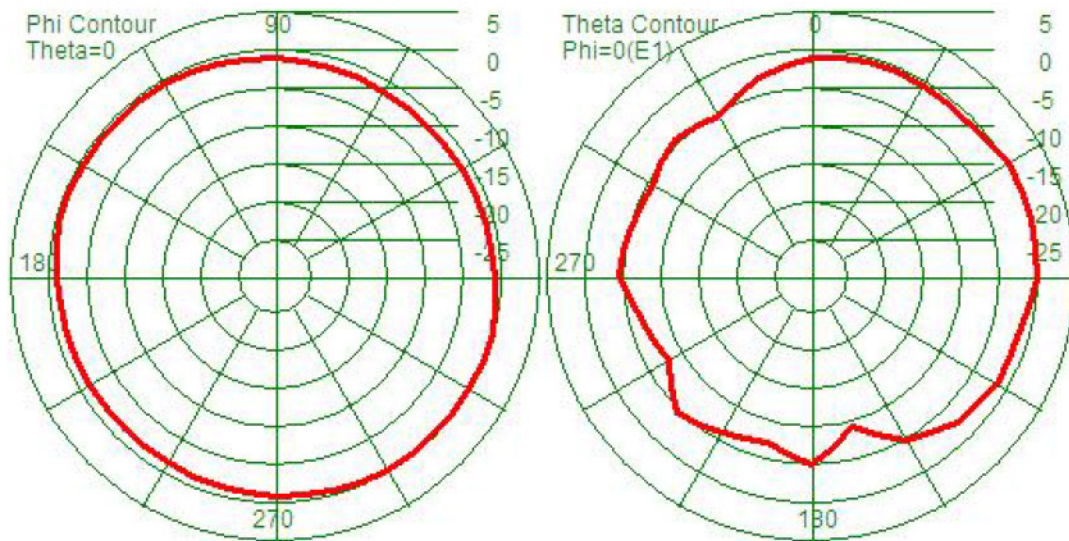
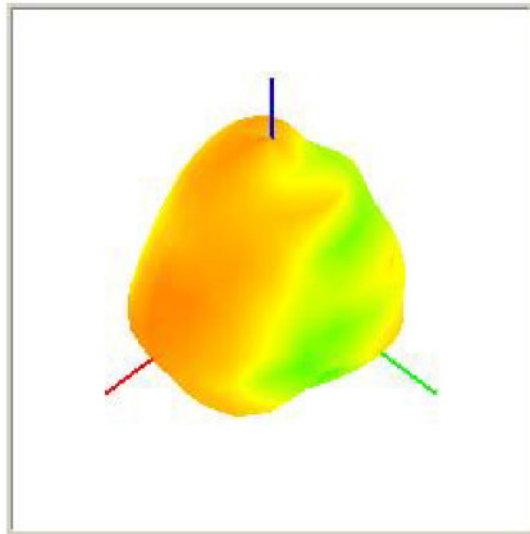
4 Effective Radiated Power And Isotopic Sensitivity Summation



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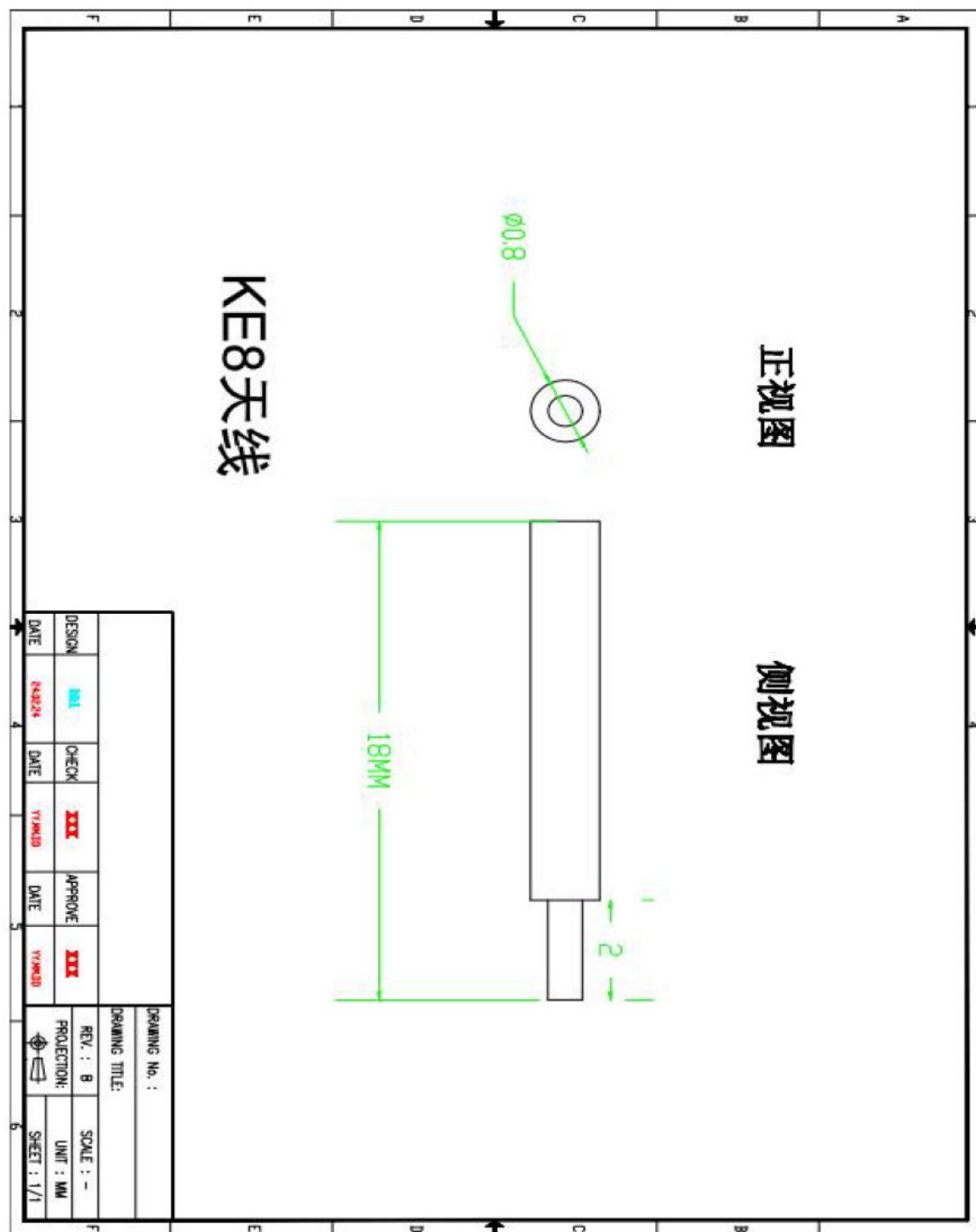
Channel	增益(dBi)	效率(%)
2400	-2.35	21.5
2450	-1.8	23.4
2480	-2.37	22.1

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5 Structure assembly diagram



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