

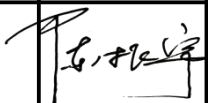


Antenna Sample Confirmation From

Shenzhen kenhaitong antenna technology co,ltd

天线承认书

Antenna Sample Confirmation From

供应商名称 Vendor Name	深圳健海通天线技术有限公司 Shenzhen kenhaitong antenna technology co,ltd				
客户名称 Customer Name	深圳市几米物联有限公司				
样品名称 Sample Name	KIT-C371-MAIN-V05				
样品规格 Specification	4G主天线 FPC材质, 镀点镀金, 44.66*39.9mm,EU/LA版共用, 丝印“KIT-C371-MAIN-V05” (C371/健海通)				
检验项目 Inspection Item	性能测试 Performance	外观检查 Total Appearance	结构 structure	其它 Others	检验结果 Inspection Result
	OK	OK		OK	OK
备注 Remark					
品质审核 QA Audit		工程审核 Engineer Audit		业务确认 Sales Confirm	
以下由客户填写 The following are filled by Customer					
客户意见 Customer Evaluation					
客户签字/盖章 Signation/ Chapter by Customer	日期/date:				

地址: 深圳市宝安区航城街道鹤洲中科诺工业园一号楼西面 3 楼
Address: 3rd floor west of Building 1, Hezhou ZhongKono
Industrial Park, Hangcheng Street, Baoan District,
Shenzhen

TEL: 0755-85274764 FAX: 0755-85274764



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Antenna Test Report

测试单位: 深圳健海通天线技术有限公司

Test by: Shenzhen kenhaitong antenna technology co,ltd

材料 Material	FPC					
天线类型 Antenna Type	PIFA	极化方式 Polarization mode	Linear			
应用场景 Application						
工作频段 Band	4G;LTE-FDD/TDD B1/2/3/4/5/7/8/28/66/40 WCDMA:B1/2/4/5/8 GSM:850/900/1880/1990	VSWR	700-800	820-890	890-960	1710-2700
			≤3.5	≤2.0	≤2.5	≤2.5
功率 Power	Max: 50W	阻抗 Impedance	50 Ω			
增益 dBi	700-800	820-890	890-960		1710-2700	
	-2.03	-0.74	0.66		1.07	
测试设备 Test Equipment	HPE5071C、Shielding Room、3D automatic turntable					



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1、天线测试数据 (Antenna Test Data)

3G (WCDMA)													
信道		WCDMA B1			WCDMA B2			WCDMA B4			WCDMA B5		
		CH9612	CH9750	CH9750	CH9262	CH9400	CH9538	CH1312	CH1413	CH1513	CH4132	CH4183	CH4233
加摄 像头	TRP	18.18	19.84	18.72	18.33	18.54	18.38	19.95	19.37	20	17.8	18.18	18.29
	TIS			-105.83			-103.82			-105.16			-101.54
去摄 像头	TRP	18.37	20.37	19.12	18.83	19.27	19.08	20.07	19.83	19.87	18.08	19.07	18.95
	TIS			-106.54			-105.65			-105.03			-105.11
信道		WCDMA B8											
		CH2712	CH2787	CH2863									
加摄 像头	TRP	19.32	19.21	18.04									
	TIS			-102.87									
去摄 像头	TRP	19.76	19.91	19.47									
	TIS			-105.8									

4G(LTE-FDD)													
信道		B1(10M)			B2(10M)			B3(10M)			B4(10M)		
		CH18050	CH18300	CH18550	CH18650	CH18900	CH19150	CH19250	CH19575	CH19900	CH20000	CH20175	CH20350
加摄 像头	TRP	19.12	20.82	18.58	19.14	19.46	18.79	20.09	20.02	19.45	18.44	19.07	19.41
	TIS			-95.9			-94.04			-95.66			-95.93
去摄 像头	TRP	18.77	21	19.24	19.14	19.06	18.1	19.91	19.84	19.62	18.58	18.85	19.55
	TIS			-96.01			-94.4			-95.7			-94.35
信道		B5(10M)			B7(10M)			B8(10M)			B66(10M)		
		CH20450	CH20525	CH20600	CH20800	CH21100	CH21400	CH21500	CH21625	CH21750	CH132022	CH132322	CH132622
加摄 像头	TRP	18.22	18.22	18.32	21.42	21.3	21.02	19.37	19.5	18.62	18.32	18.24	18.59
	TIS			-93.71			-94.54			-95.25			-94.21
去摄 像头	TRP	18.17	18.85	18.64	21.19	20.94	20.54	19.64	19.75	18.79	18.56	18.31	18.89
	TIS			-94.87			-94.82			-96.09			-94.61
信道		B28(10M)											
		CH27260	CH27360	CH27460									
加摄 像头	TRP	15.82	15.55	15.08									
	TIS			-90.53									



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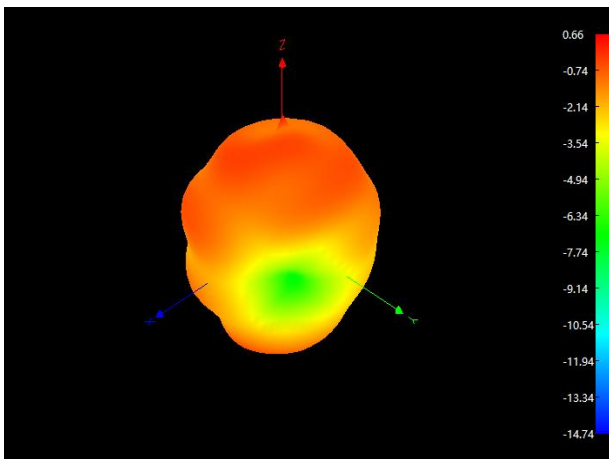
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去摄 像头	TRP	16.76	16.9	16.44
	TIS			-90.53

4G(LTE-TDD)												
信道		B40(20M)										
		CH38750	CH39150	CH39550								
加摄 像头	TRP	18.5	18.59	19.45								
	TIS			-90.85								
去摄 像头	TRP	18.23	19.64	19.76								
	TIS			-90.56								

2、无源驻波、效率增益、方向图。

RF3-0 欧姆	LTE B8、WCDMA B8、GSM 900
RF4-0 欧姆	LTE B1/2/3/4/7/66/40、WCDMA B1/2/4、GSM 1800/1900



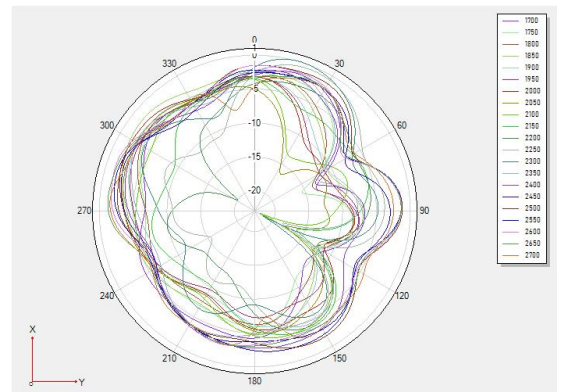
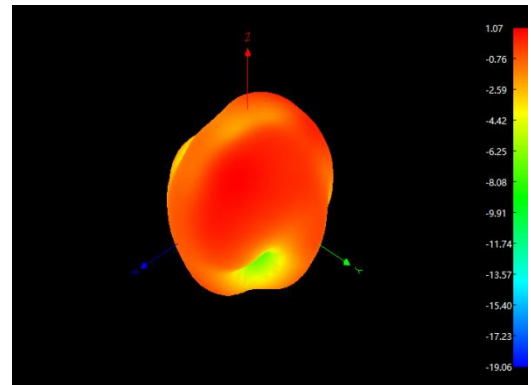
Frequency / MHz	Gain/ dB	Efficiency / %
890	-0.55	43.65
900	-0.49	42.36
910	-0.48	36.14
920	-1.03	32.36
930	-0.63	38.11
940	-0.05	39.63
950	0.66	40.27
960	0.53	38.37



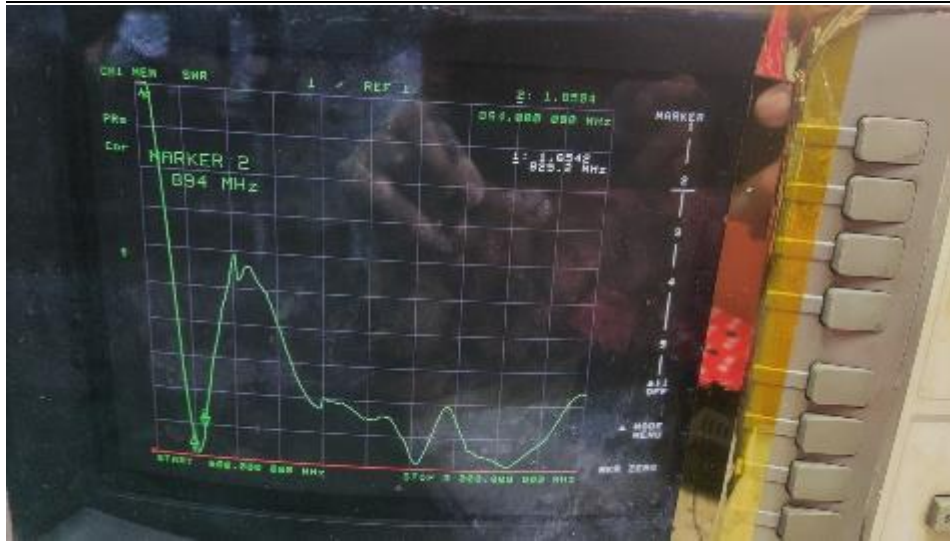
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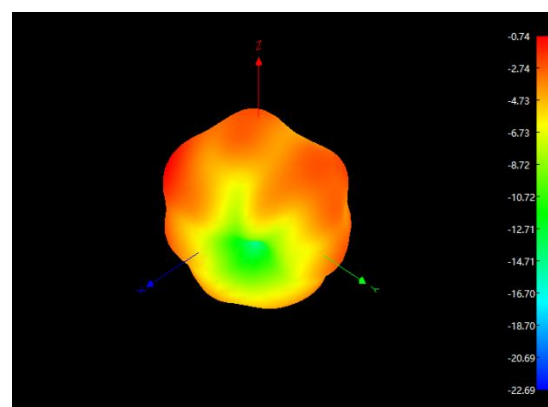
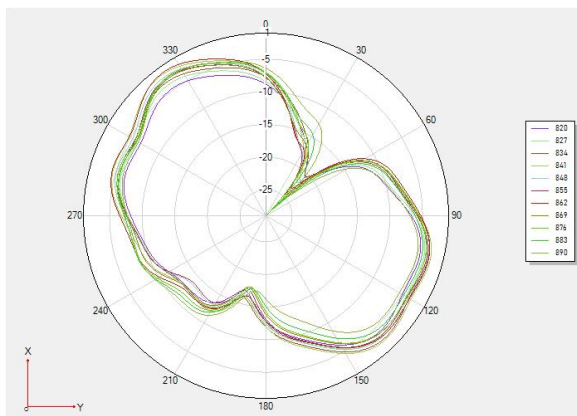
Frequency / MHz	Gain/ dB	Efficiency / %
1700	-1.35	35.97
1750	-1.21	34.51
1800	-0.52	38.11
1850	0.57	41.78
1900	-0.03	37.76
1950	-0.09	38.73
2000	0.78	41.11
2050	0.11	37.84
2100	-0.77	41.02
2150	-0.58	35.12
2200	-1.3	34.38
2250	-0.2	35.04
2300	0.2	35.73
2350	-0.92	35.92
2400	-1	35.73
2450	0.33	44.46
2500	1.07	49.09
2550	0.78	47.53
2600	0.46	51.64
2650	-0.16	49.66
2700	-0.56	43.95



RF2-3. 3nH	LTE B5、WCDMA B5、 GSM850
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Frequency / MHz	Gain/ dB	Efficiency / %
820	-2.66	26.38
827	-2.51	26.48
834	-1.78	26.96
841	-1.48	27.15
848	-1.12	27.89
855	-0.74	27.82
862	-1.03	29.23
869	-1.22	29.79
876	-0.87	28.38
883	-1.32	27.61
890	-1.34	27.89



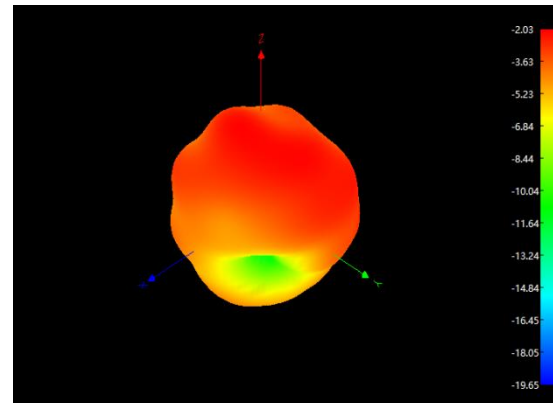
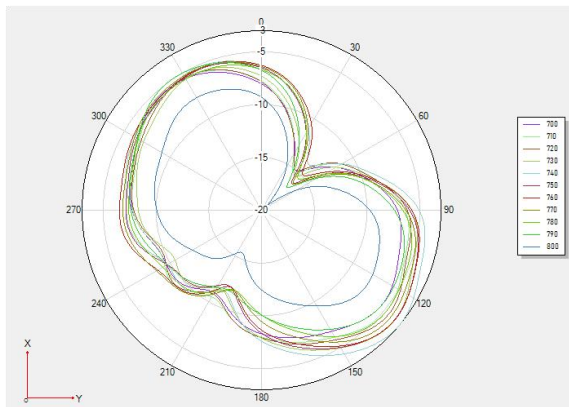


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RF1-15nH	LTE B28
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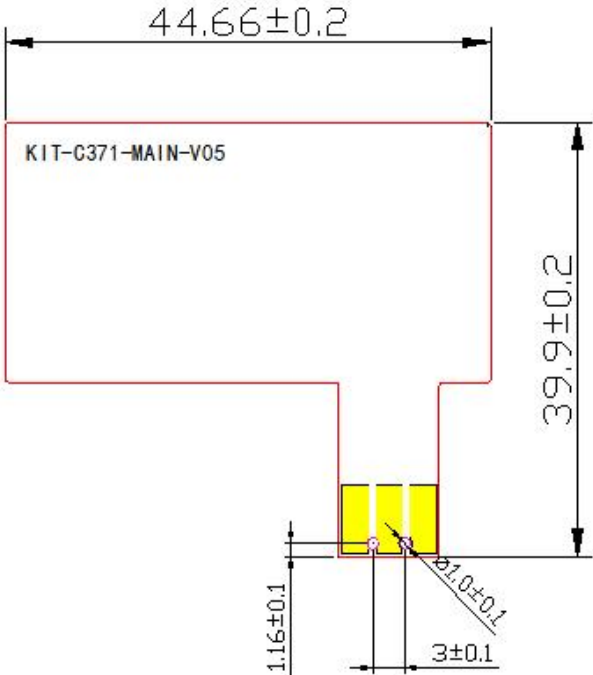
Frequency / MHz	Gain/ dB	Efficiency / %
700	-3.03	15.4
710	-2.88	17.82
720	-2.99	19.26
730	-2.34	22.02
740	-2.03	22.32
750	-2.58	22.19
760	-2.31	22.59
770	-2.81	20.75
780	-2.83	20.56
790	-3.4	21.71
800	-3.46	21.37





5, product inspection specifications

Check the guide book

name	JIMI	model	C371	ANT NAME	KIT-C371-MIAN-V05	texture	FPC	color	black
							inspection item	program of tests	
							appearance	The surface is smooth and clean, no scratches, bad crush and other phenomena.	
							size	4.66± 0.2mm; 39.9±0.2mm; .6±0.1mm; 3±0.1mm; 1.0±0.1mm.	
							package	Fit with the antenna bracket, no warping, positioning hole position without deviation.	
							performance	Detection performance no broken line, performance no deviation.	
matters need attention	1.Strictly check the points of attention, refer to the customer sample; 2. Find defective products to timely feedback, isolation, identification and treatment; 3. The package must be dustproof.					version	revise contents	modifier	date
						A0	Initial release		2024/01/16