

产 品 承 认 书

(SPECIFICATION)

日期/DATE: 2021/1/15

编号/NUMBER: 185801-1

版本/VERSION: A1

客户名称

CUSTOMER:

客户料号

CUSTOMER P/N:

莱智编号:

PART MODEL:XC-IoT-4G-ANT

产品名称:

PRODUCTNAME :4G ANT

制造商:

MANUFACTURER: Hangzhou Laizhi Technology Co., Ltd

制造商地址:

MANUFACTURER ADDRESS

MANUFACTURER ADDRESS: No. 1818 Wenyi West Road, Yuhang District, Hangzhou , Zhejiang Province, China Artificial Intelligence Town 7-703

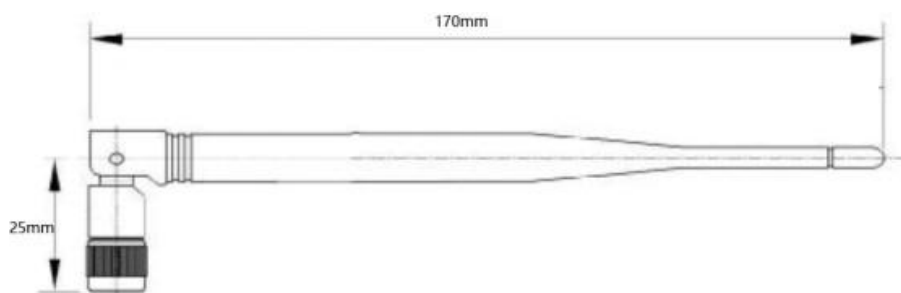
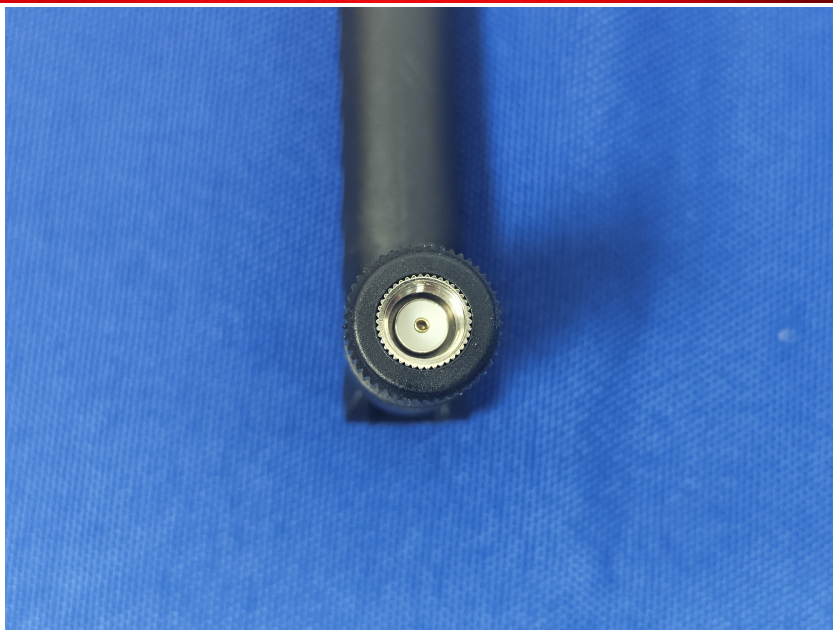
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1、产品技术指标（PRODUCT TECHNICAL SPECIFICATION）

电性能指标Electrical Specifications	
频率范围Frequency Range (MHz)	700-960MHZ
频带宽度Bandwidth (MHz)	260MHZ
输入阻抗Input Impendence (Ω)	50
电压驻波比 V.S.W.R	≤ 2.0
增益 Gain (dBi)	1.89
极化形式Polarization Type	垂直 Vertical
功率容量Power Capacity (w)	100
机械指标Mechanical Specifications	
外壳颜色Radome Color	黑色 Black
天线尺寸 The antenna size	195 MM

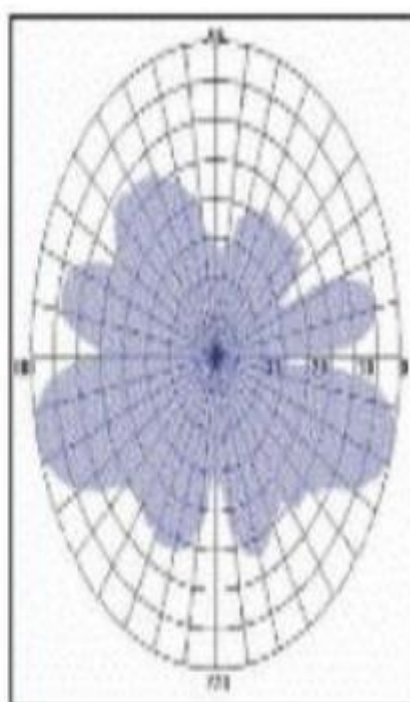
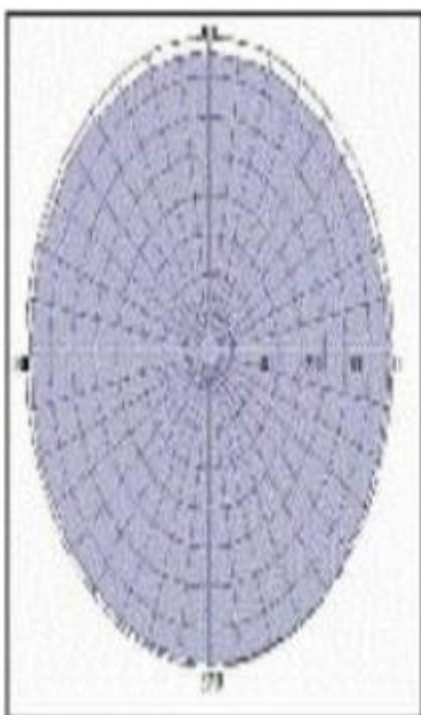
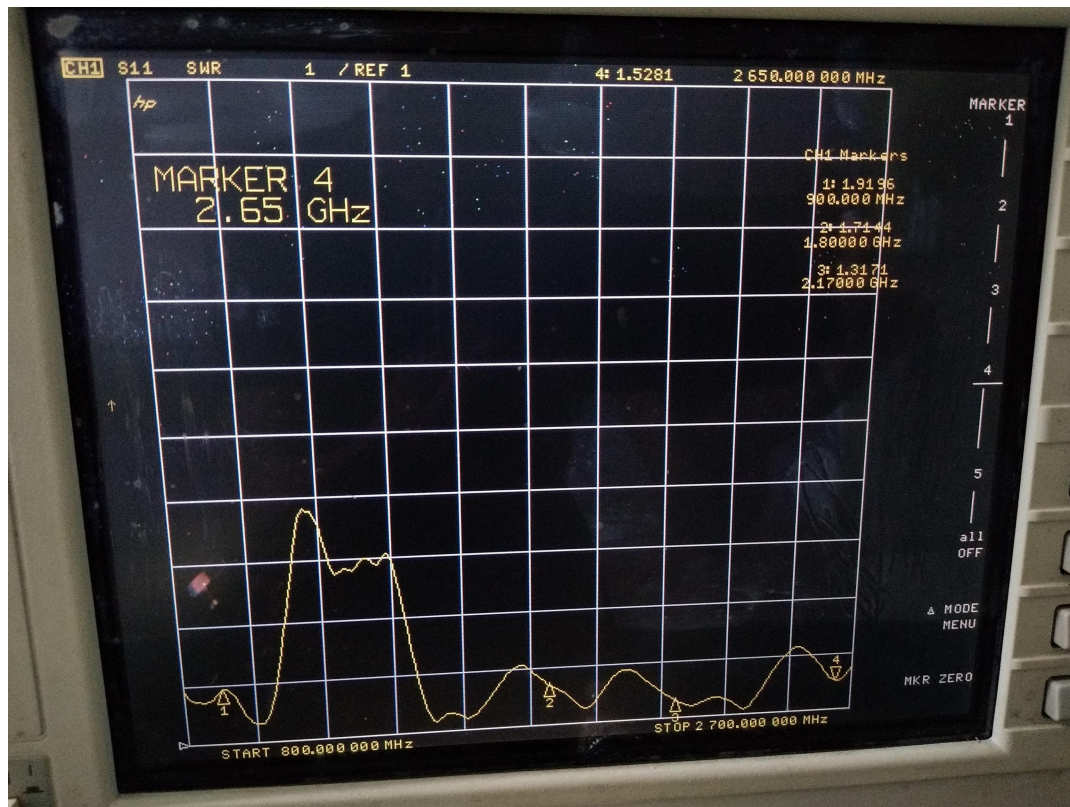
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2、产品图片+规格图片（Product specifications pictures）



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3、天线测试图 (STATIONARY WAVE PATTERN)



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4、增益与效率 (Gain and Efficiency)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
700	36.33	-4.4	0.19	-1.96	18.218	18.115	0.19	-17.9	36.51	36.44
710	42.72	-3.69	1.1	-1.05	21.321	21.398	1.1	-16.76	36.63	36.57
720	42.18	-3.75	1.24	-0.91	20.773	21.409	1.24	-16.52	36.66	36.62
730	47.28	-3.25	1.74	-0.41	22.665	24.614	1.74	-19.32	36.78	36.78
740	45.58	-3.41	1.44	-0.71	21.178	24.403	1.44	-21.07	36.64	36.64
750	48.56	-3.14	1.43	-0.72	22.014	26.55	1.43	-18.34	36.96	36.96
760	48.63	-3.13	1.18	-0.97	21.819	26.809	1.18	-17.52	36.98	37
770	50.07	-3	1.1	-1.05	22.36	27.715	1.1	-16.67	37.25	37.29
780	51.45	-2.89	1.23	-0.92	22.804	28.646	1.23	-16.17	37.46	37.42
790	49.13	-3.09	1.16	-0.99	21.378	27.747	1.16	-14.58	37.61	37.42
800	54.72	-2.62	1.69	-0.46	23.429	31.289	1.69	-14.14	38.08	37.84
810	52.47	-2.8	1.61	-0.54	22.299	30.167	1.61	-13.43	38.12	37.86
820	55.65	-2.55	1.84	-0.31	23.592	32.061	1.84	-12.69	38.19	37.86
830	54.24	-2.66	1.68	-0.47	23.095	31.148	1.68	-12.6	38.25	37.85
840	57.34	-2.42	1.89	-0.26	24.586	32.751	1.89	-12.06	38.42	37.99
850	54.7	-2.62	1.6	-0.55	23.574	31.124	1.6	-12.27	38.46	38.02
860	56.55	-2.48	1.55	-0.6	24.537	32.008	1.55	-13.35	38.75	38.42
870	55.41	-2.56	1.02	-1.13	24.147	31.268	1.02	-14.66	38.71	38.41
880	54.48	-2.64	0.76	-1.39	23.662	30.821	0.76	-15.86	38.8	38.6
890	55.19	-2.58	0.71	-1.44	23.666	31.523	0.71	-16.87	38.87	38.84
900	53.51	-2.72	0.47	-1.68	22.653	30.856	0.47	-16.34	38.9	38.97
910	56.03	-2.52	0.87	-1.28	23.609	32.421	0.87	-15.48	38.92	39.05
920	54.88	-2.61	0.87	-1.28	23.084	31.794	0.87	-15.8	39.04	39.13
930	55.88	-2.53	1.02	-1.13	23.642	32.236	1.02	-16.06	39.18	39.25
940	53.19	-2.74	1.04	-1.11	22.784	30.408	1.04	-18.57	39.13	39
950	57.01	-2.44	1.63	-0.52	24.732	32.277	1.63	-27.86	39.28	39.27
960	52.9	-2.77	1.71	-0.44	22.968	29.933	1.71	-21.68	39.35	39.33

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5、耐久性测试（DURABILITY）

1	高温试验 HEAT TEST	在 85+2℃环境中放 96 小时，再放在正常环境中 30 分钟后进行测试 85+2℃ for 96 hours, after keep in normal condition for 30min the to test.	所有规格变化范围初始值 30% All characteristic range is 30% of the initial value
3	湿度试验 HUMIDITY TEST	在 40+2℃ 90-95%RH 环境中放 96 小时，再放在正常环境中 30 分钟后进行测试 40+2℃ 90-95%RH for 96hours, after keep in normal condition for 30min the to test.	
3	低温试验 COLD TEST	在-40+2℃ 环境中放 96 小时，再置放正常环境中 30 分钟后进行测试 -40+2℃ for 96hours, after keep in normal condition for 30min the to test.	