

昆山睿翔讯通通信技术有限公司

Kunshan Innowave Communication Technology Co., Ltd.

承认书

(SPECIFICATION FOR APPROVAL)

客户: 杭州禾迈电力电子股份有限公司

Customer Name: Hoymiles Power Electronics Inc.

品名: 外置天线-SUB 1G

Item name: External Antenna-SUB 1G

频段860~930MHz, 阻抗50ohm, 增益0.3dBimax, 外露线长 L=120mm, 外壳长L=50mm, 线材RF1.13黑色线缆, 一代原厂IPEX端子- -40°C~85°C

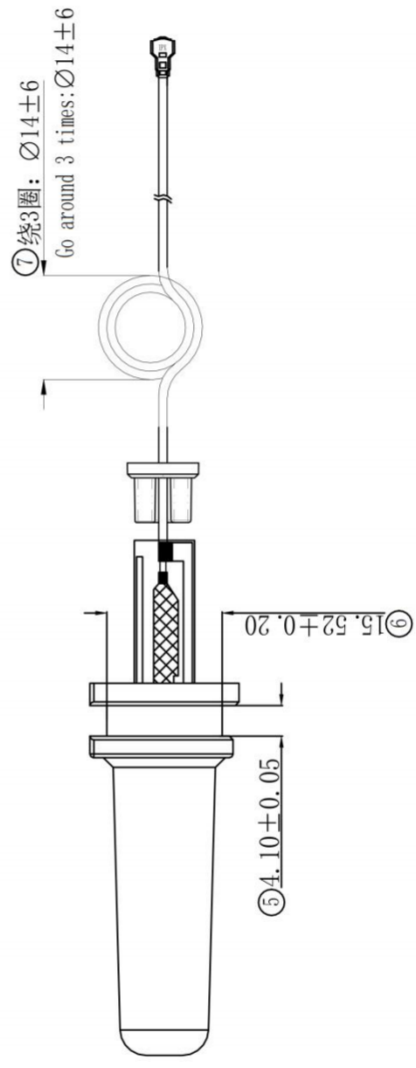
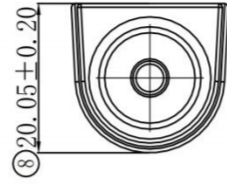
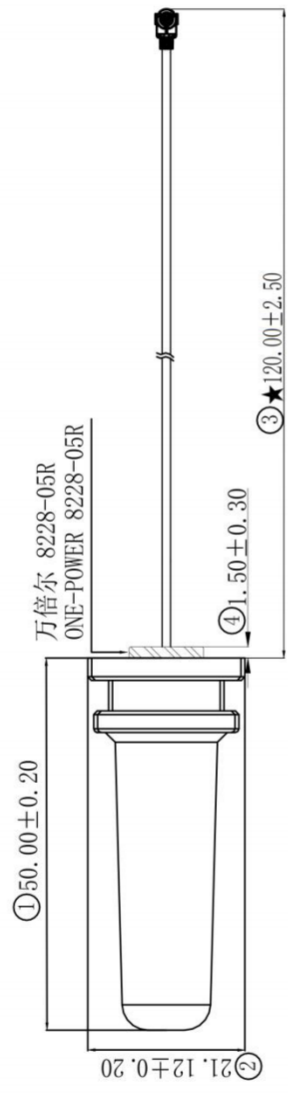
Frequency band 860~930MHz, impedance 50ohm, gain 0.3dBi max, exposed wire length L=120mm, shell length L=50mmcable, RF1.13 black cable, first generation IPEX terminal - 40°C~85°C

型号 (Vender Part No) : F06254409910002

客户物料代码 (Customer Part No) : A6040411

承认版本号 (Revision) : A/0

日期 (Date) : 2024.11.22



电性能 (Electrical properties)

1.1 电性测试报告 (Electrical properties Reports) Test Reports

Electrical Properties	
频段 (Frequency)	860MHz~930MHz （单体测试）
天线类型 (Antenna Type)	外置天线 (External Antenna)
回波损耗 (S11)	-8.47 (868mMHz) ; -8.37 (915MHz)
增益 Gain (Max)	0.3dBi
极化 (Polarization)	线性极化 (Linear, Vertical)

1.2 S参数 (S parameter) :

S11:



SWR:

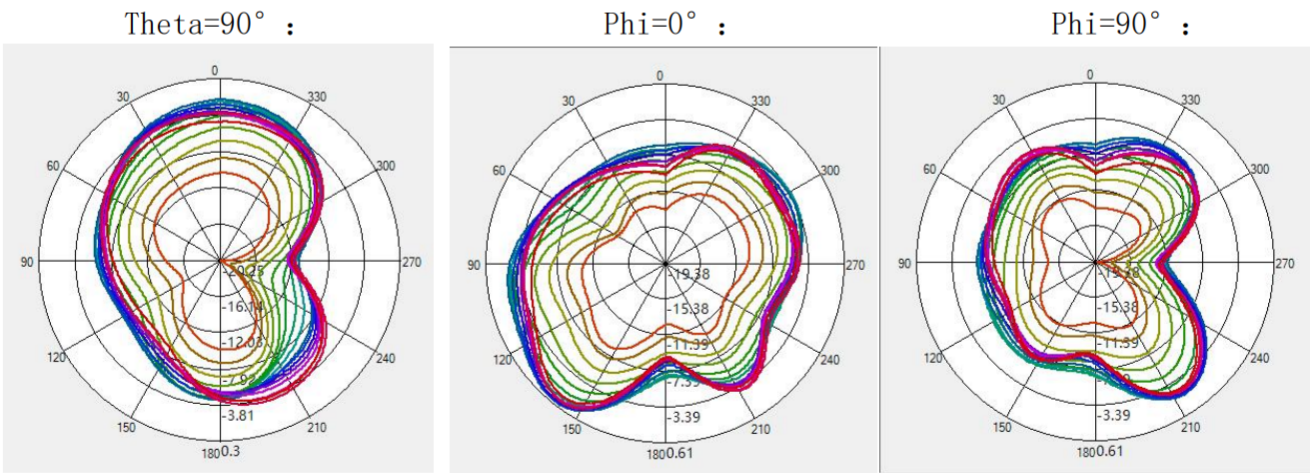


1.3 无源测试数据 (Passive test data) :

测试设备 (Test equipment) : GTS RayZone 1800

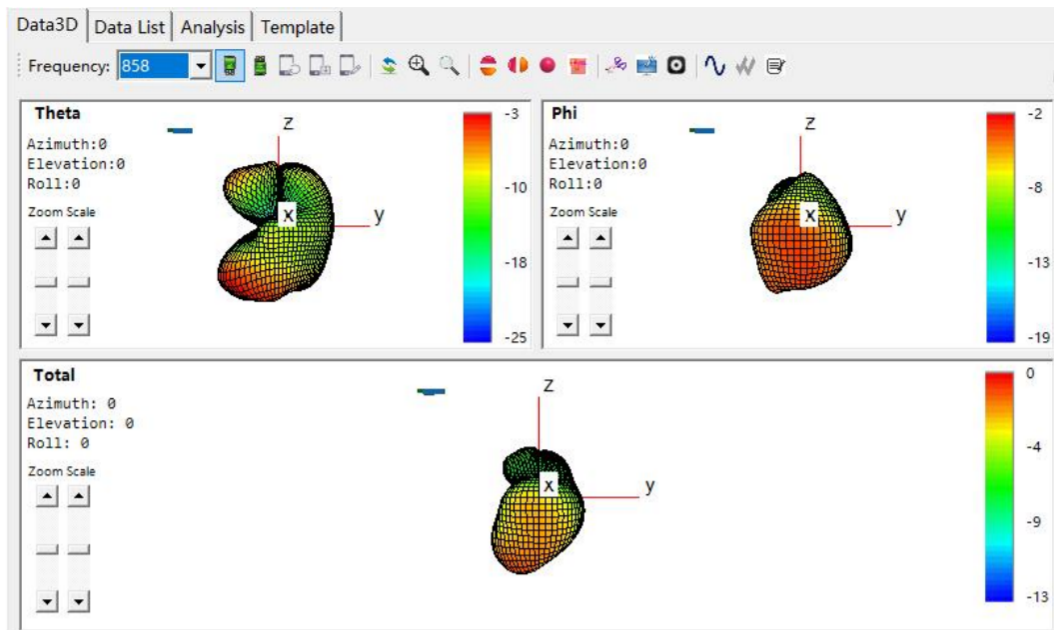
频率Frequency (MHz)	效率Efficiency (db)	效率Efficiency (%)	增益Gain (dBi)
808	-11.86	6.51	-8.1
818	-10.59	8.73	-6.62
828	-9	12.58	-4.83
838	-7.66	17.16	-3.29
848	-6.39	22.98	-1.87
858	-5.6	27.56	-0.86
868	-5.12	30.76	-0.21
878	-4.8	33.13	0.26
888	-4.7	33.85	0.3
898	-4.94	32.09	0.13
908	-5.09	30.98	-0.05
918	-5.31	29.46	-0.32
928	-5.32	29.38	-0.33
938	-5.09	30.95	-0.11
948	-4.96	31.9	-0.11
958	-5.56	27.77	-0.6

1.4 2D图 (2D drawing) :

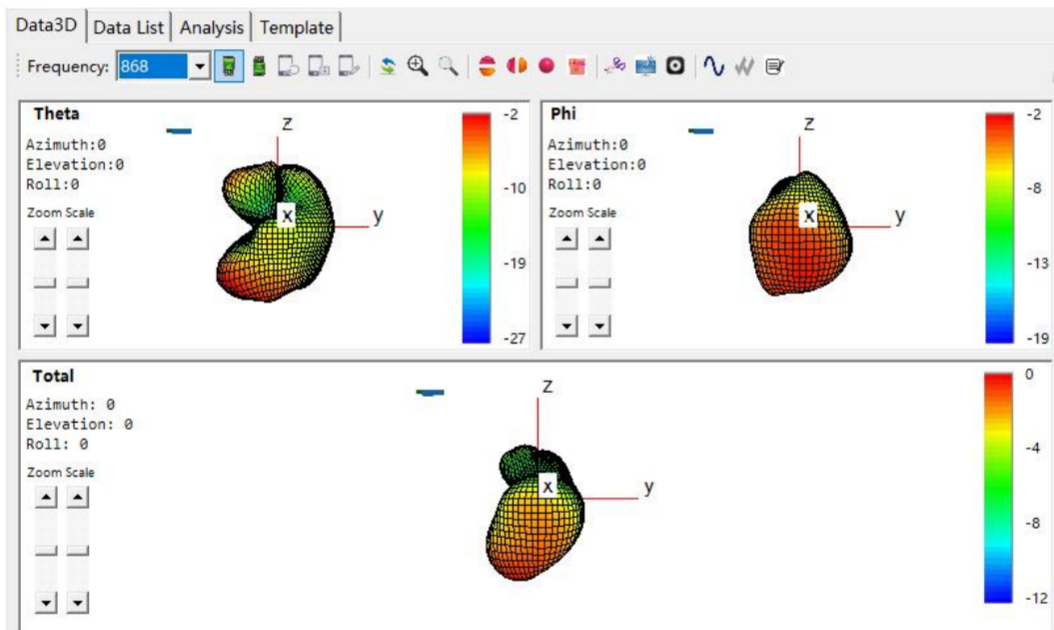


1.5 3D图 (3D drawing) :

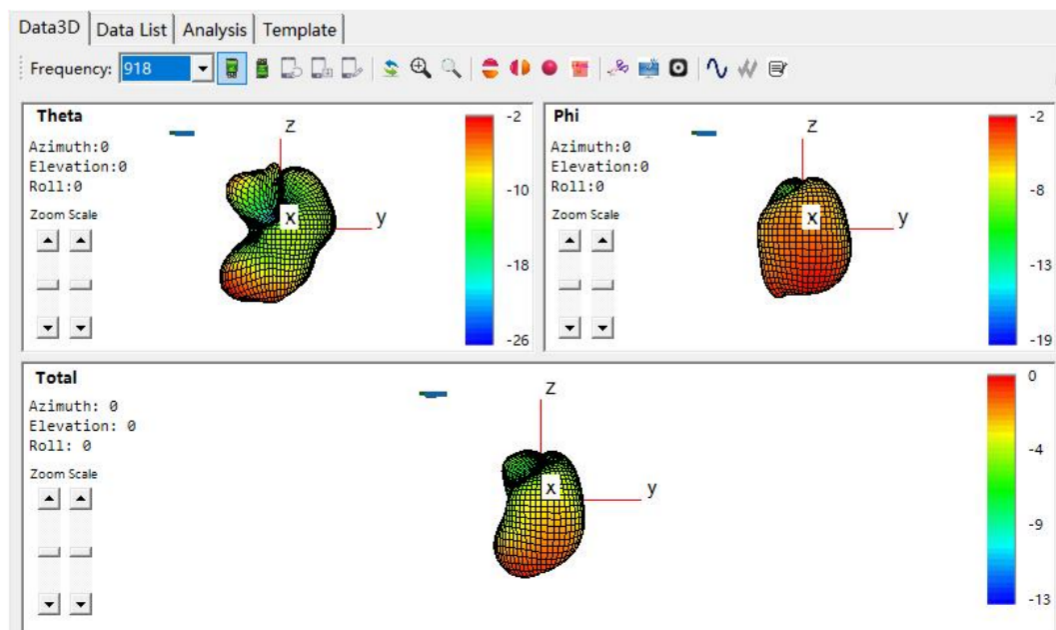
858MHz:



868MHz:



918MHz:



1.6 天线实物图 (Physical diagram of the antenna) :

