



承认书项目表

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ROHS
Compatible

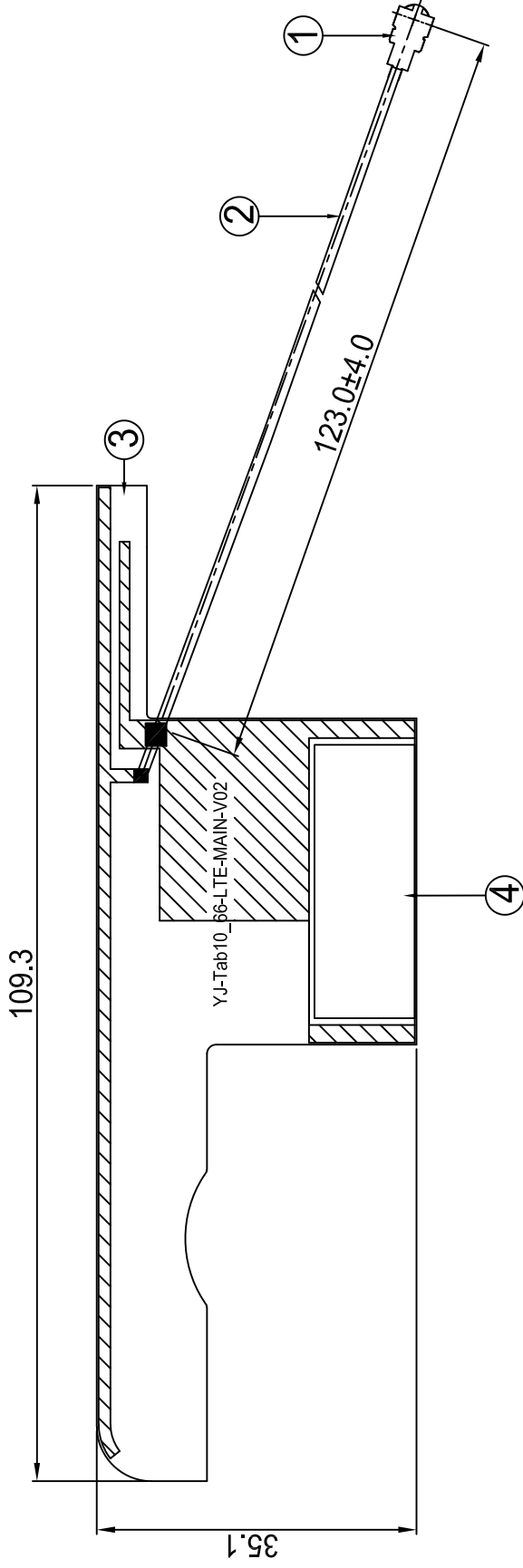
CUSTOMER
PART NO

REV. DESCRIPTION

首次发行

DATE

2021-12-01



东莞市一佳电子通讯科技有限公司
Dongguan Yijia Electronics Communication Technology Co., Ltd. Tel: 0769-82586086 Fax: 0769-82586086

PART NAME: LTE MAIN L=123mm MHF

PART NO.: YJS01.042.021.301A

DATE: 2021-12-01

APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
陈国强	周棋	廖光喜	

4	EMI Gasket	30.0*11.0T2.0mm	EMI Gasket	EVA100XXA.P01	1
3	FPC	109.3*35.1mm	FPC	FPC11XXXA.P01	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA10001A.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER10001A.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



天线规格

Antenna Specification

Electrical Properties

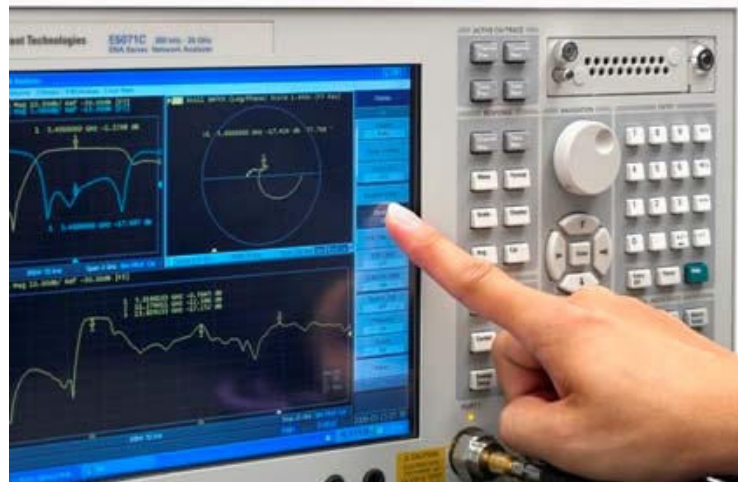
Frequency	703-894MHz 1710-2700MHz
Impedance	50 Ohm Nominal
V.S.W.R	4.0 Max@703-894MHz 2.5 Max@1710-2700MHz
Gain	2.9dBi@703-894MHz 2.1dBi@1710-2700MHz
Radiation	Omni-directional
Polarization	Linear

Physical Properties

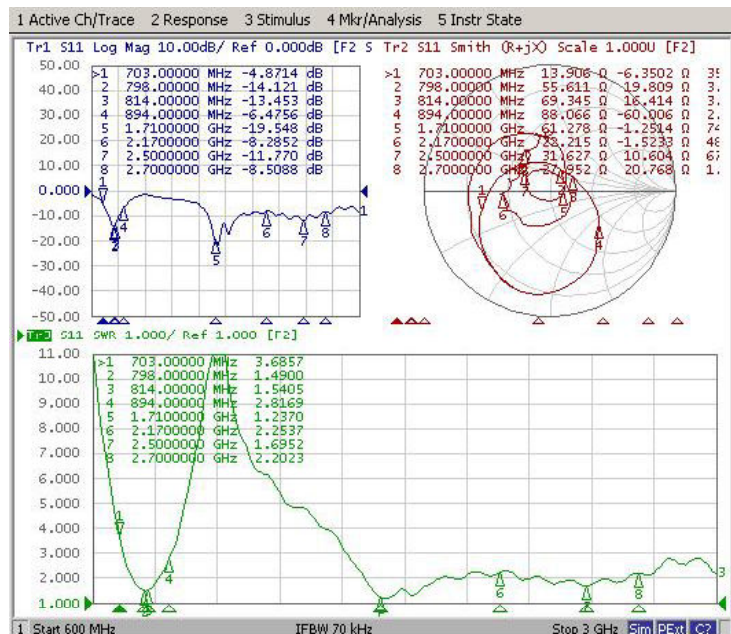
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	123mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25 ± 5 °C / <70%



Agilent E5071B



S Parameter Test // LTE main Antenna







Passive Test For LTE main Antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
700	32.1	-4.9	0.1
710	37.2	-4.3	0.4
720	40.3	-4.0	0.4
730	41.8	-3.8	0.5
740	44.7	-3.5	1.2
750	49.0	-3.1	2.5
760	48.5	-3.1	2.9
770	48.9	-3.1	2.5
780	49.1	-3.1	2.3
790	49.8	-3.0	2.1
800	45.6	-3.4	1.5
810	43.2	-3.7	1.5
820	41.2	-3.9	1.4
830	41.6	-3.8	1.9
840	40.6	-3.9	2.2
850	37.6	-4.3	1.7
860	33.9	-4.7	0.6
870	29.8	-5.3	-0.9
880	27.6	-5.6	-1.4
890	25.5	-5.9	-1.5
900	24.8	-6.1	-1.0



Passive Test For LTE main Antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
1700	35.8	-4.5	1.1
1740	36.4	-4.4	1.1
1780	36.2	-4.4	0.2
1820	39.5	-4.0	0.6
1860	40.8	-3.9	0.6
1900	44.5	-3.5	1.1
1940	45.9	-3.4	0.9
1980	49.4	-3.1	1.3
2020	49.9	-3.0	0.9
2060	51.4	-2.9	1.8
2100	52.6	-2.8	1.3
2140	50.6	-3.0	1.7
2180	50.6	-3.0	2.1



Active Test For LTE					
Band	Channel	TRP	EIRP	TIS	EIS
FDD LTE Band 2	18650/650	18.9	22.2	-89.7	-93.7
	18900/900	18.3	21.6	-89.6	-93.5
	19150/1150	18.1	21.4	-89.6	-93.5
FDD LTE Band 4	20000/2000	18.1	20.6	-94.6	-98.6
	20175/2175	18.2	20.7	-94.4	-98.5
	20350/2350	18.5	21.0	-94.2	-98.2
FDD LTE Band 5	20450/2450	16.4	20.7	-85.3	-88.0
	20525/2525	15.9	20.4	-85.2	-87.8
	20600/2600	15.5	20.2	-85.0	-87.5
FDD LTE Band 12	23060/5060	15.5	19.0	-90.6	-93.7
	23095/5095	15.6	19.4	-90.8	-93.9
	23130/5130	16.5	20.5	-90.6	-93.8
FDD LTE Band 13	23230/5230	17.0	20.2	-89.7	-93.4
FDD LTE Band 25	26090/8090	18.7	22.1	-89.9	-93.6
	26365/8365	17.7	21.2	-89.9	-93.5
	26640/8640	18.7	22.0	-89.7	-93.3
FDD LTE Band 26	26740/8740	16.2	20.6	-84.2	-88.0
	26865/8865	15.8	20.1	-84.2	-87.7
	26990/8990	15.5	20.0	-84.0	-87.6



Device





***LTE
main
Antenna***



