

Antenna Datasheet

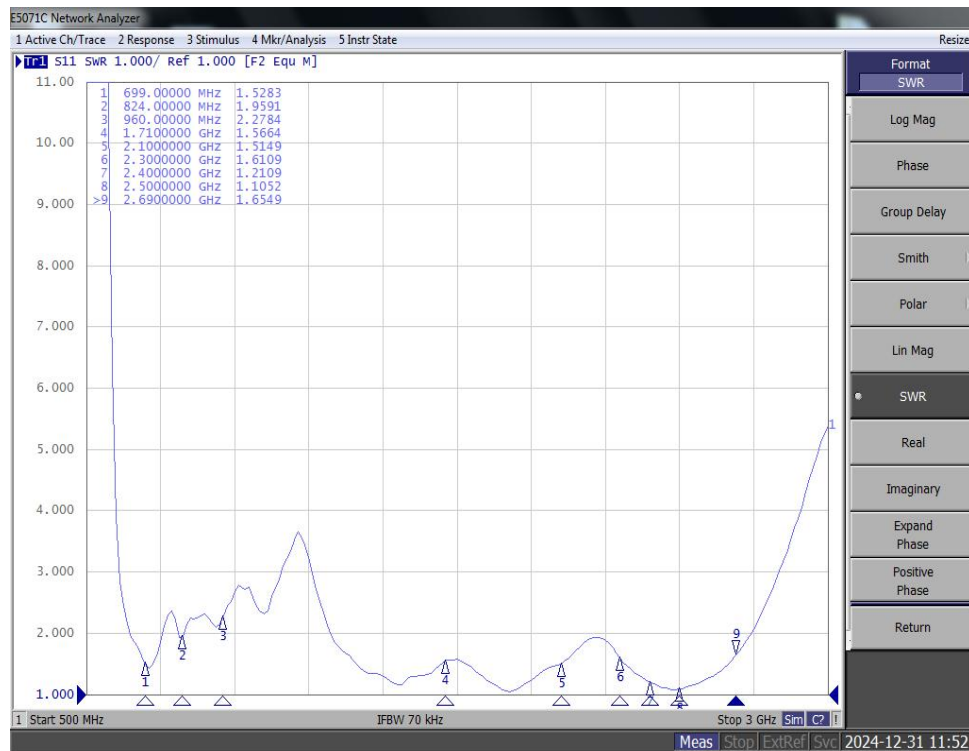
Product Name: 5G Paddle External Dipole Antenna

Key Features:

Frequency Band: 700–2700 MHz

S-Parameter Test---LTE

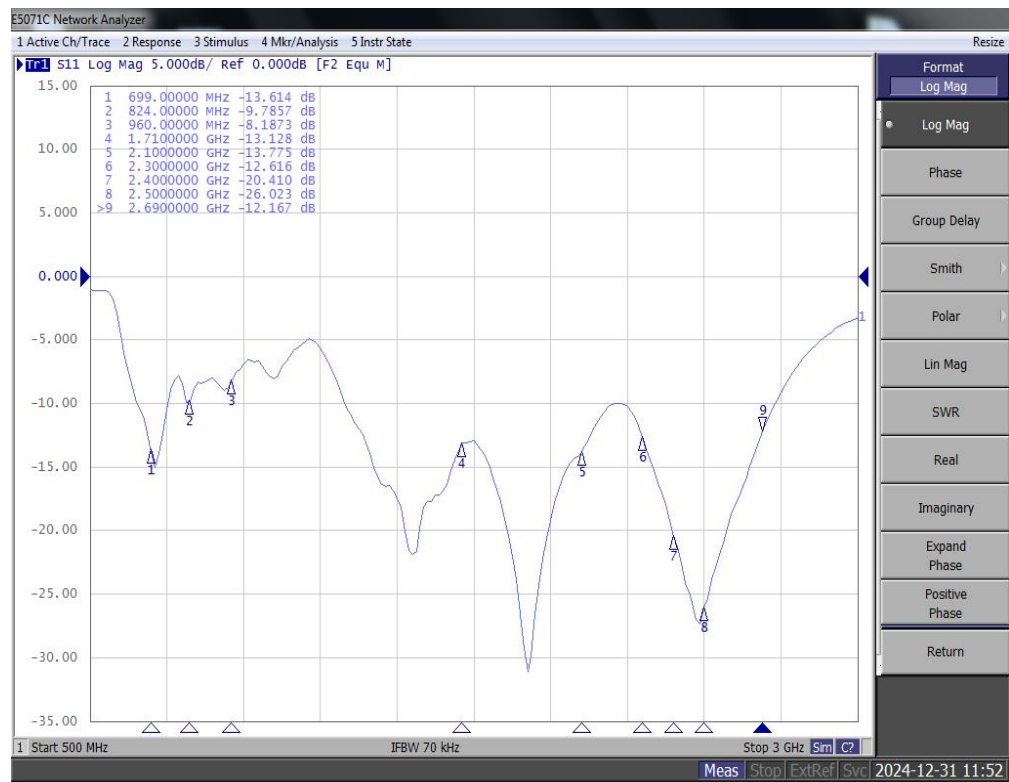
VSWR



VSWR

Frequency (MHz)	699	824	900	960	1710	1880
Bent	1.5	1.9	2	2.2	1.5	1.4
Frequency (MHz)	1920	2110	2300	2400	2500	2690
Bent	1.3	1.5	1.6	1.2	1.1	1.6

Return Loss



Return Loss (dB)

Frequency (MHz)	699	824	900	960	1710	1880
Bent	-13.6	-9.7	-9	-8.1	-13.1	-22

Frequency (MHz)	1920	2110	2300	2400	2500	2690
Bent	-20	-13.77	-12.6	-20.4	-26	-12

Efficiency (%)

Frequency (MHz)	699	824	900	960	1710	1880
Bent	57.68	52.48	49.2	48.31	59.98	68.85

Frequency (MHz)	1920	2110	2300	2400	2500	2690
Bent	65.92	64.71	60.53	64.42	66.22	58.08

Gain (dB)

Frequency (MHz)	699	824	900	960	1710	1880
Bent	1.81	1.45	1.59	1.35	2.22	2.75

Frequency (MHz)	1920	2110	2300	2400	2500	2690
Bent	2.29	2.6	2.16	2.63	3.02	1.69



LAB ☒

QE ☐

OQC ☒

IPQC ☒

IQC ☐

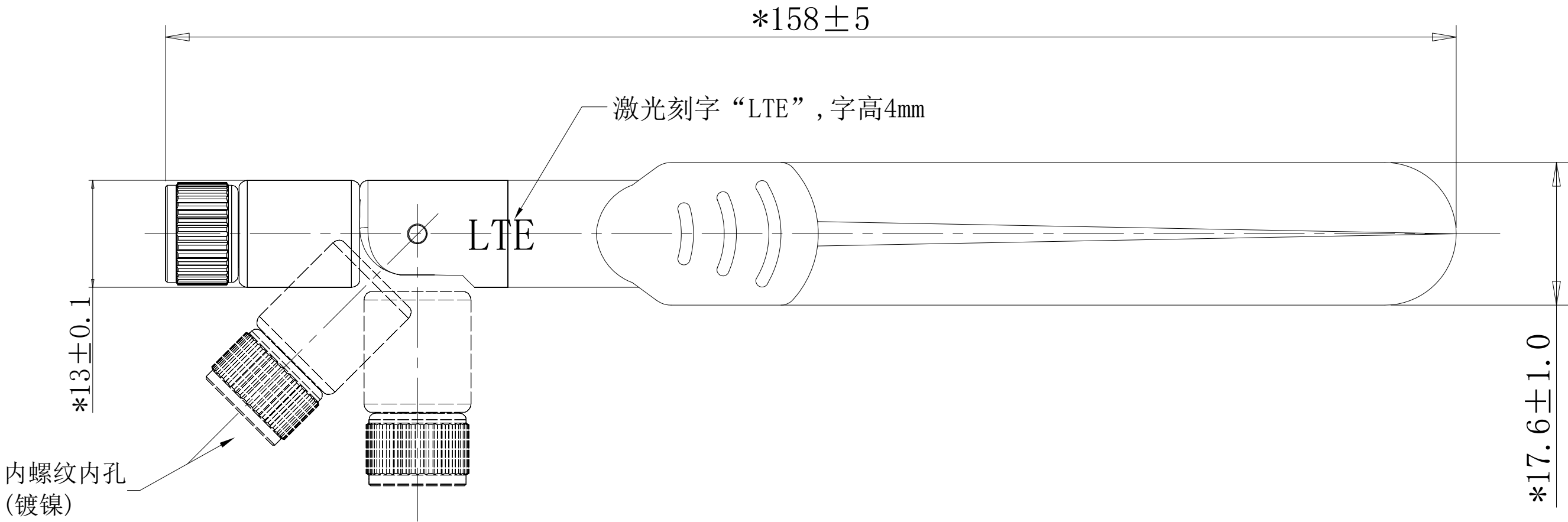
注塑 ☐

冲压 ☒

组装 ☒

NO.	DESCRIPTION	DESIGE	DATE
A0	初步打样	ZXT	2024. 12. 31

LTE 2个天线共用



- 技术要求:
- 频率: 690~960MHZ, 1710~2700MHZ
 - 驻波比: ≤ 3.0
 - 阻抗: 50Ω
 - Gain: 3.5dBi
 - 带*尺寸为出货重点检验尺寸
 - 外观需符合检验规范

6	PCB	1	绿色	TC-P006	FS
5	线材	1	RG178 L=57.5mm	KB178/50-006D	KB
4	主体	1	ABS 上下盖成套	T-S007/T-S008	HY
3	上固	1	PC	T-S020	HY
2	下固	1	PC	T-S021	HY
1	连接器	1	大S收口小头黑色内螺纹内孔	T-A033	HX/XC
序号	零件名称	数量	材料/规格	料号	供应商

NO TOLERANCE NOTED		
ONE PLSCE	X. X	± 0.15
TWO PLACE	X. XX	± 0.10
ANGULAR DIM	X. °	$\pm 1.0^\circ$
HOLE DIA	X. X	± 0.10
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NHAIT 浙江海通通讯电子股份有限公司 ZHEJIANG HAITONG COMMUNICATION ELECTRONICS CO.,LTD.					
PROJECT NAME: hive					
PRODUCT NAME: BJ0457-LTE-船桨型天线					
APPD:		HT成品码:	B. 1. 01. L. 1341		
CHKD:		HT半成品码:	NA		
DWN:	赵西亭	客户编码:	NA		
SCALE:	1:1	PAGE:	1/1	REV:	A0
UNIT:	mm	SIZE:	A4	DRWING NO:	

Freq	Efficiency_dB	Gain	Efficiency(%)								
680	-2.67	1.75	54.08	1860	-1.7	2.57	67.61	2360	-1.96	2.7	63.68
690	-2.39	1.81	57.68	1870	-1.68	2.67	67.92	2370	-1.94	2.95	63.97
700	-2.67	1.49	54.08	1880	-1.64	2.75	68.55	2380	-1.74	3.11	66.99
710	-2.5	1.84	56.23	1890	-1.72	2.64	67.30	2390	-1.86	2.85	65.16
720	-2.62	1.37	54.70	1900	-1.78	2.36	66.37	2400	-1.91	2.63	64.42
730	-2.88	1.36	51.52	1910	-1.8	2.3	66.07	2410	-1.91	2.83	64.42
740	-2.88	1.05	51.52	1920	-1.81	2.29	65.92	2420	-2.06	2.72	62.23
750	-2.94	1.09	50.82	1930	-1.73	2.53	67.14	2430	-1.98	2.99	63.39
760	-3.11	1.15	48.87	1940	-1.65	2.55	68.39	2440	-2.02	3.01	62.81
770	-3.06	1.05	49.43	1950	-1.6	2.59	69.18	2450	-2	2.86	63.10
780	-2.84	1.28	52.00	1960	-1.53	2.54	70.31	2460	-1.96	2.89	63.68
790	-2.86	1.35	51.76	1970	-1.55	2.57	69.98	2470	-1.8	3.21	66.07
800	-2.73	1.5	53.33	1980	-1.51	2.79	70.63	2480	-1.79	3.44	66.22
810	-2.86	1.32	51.76	1990	-1.59	2.73	69.34	2490	-1.7	3.25	67.61
820	-2.91	1.41	51.17	2000	-1.61	2.55	69.02	2500	-1.79	3.02	66.22
830	-2.8	1.45	52.48	2010	-1.56	2.52	69.82	2510	-1.85	2.99	65.31
840	-3.01	1.29	50.00	2020	-1.68	2.69	67.92	2520	-1.89	3.03	64.71
850	-2.92	1.33	51.05	2030	-1.65	2.96	68.39	2530	-1.94	2.95	63.97
860	-3.07	1.46	49.32	2040	-1.69	2.91	67.76	2540	-1.93	2.81	64.12
870	-3.21	1.31	47.75	2050	-1.7	2.81	67.61	2550	-1.99	2.48	63.24
880	-3.27	1.04	47.10	2060	-1.71	2.79	67.45	2560	-2.06	2.77	62.23
890	-3.07	1.47	49.32	2070	-1.68	3.08	67.92	2570	-2.09	2.67	61.80
900	-3.08	1.49	49.20	2080	-1.76	3.36	66.68	2580	-1.98	2.86	63.39
910	-3.04	1.42	49.66	2090	-1.87	3.11	65.01	2590	-2.02	2.69	62.81
920	-3.02	1.39	49.89	2100	-1.82	2.94	65.77	2600	-2.07	2.35	62.09
930	-3.11	1.3	48.87	2110	-1.89	2.6	64.71	2610	-2.07	2.37	62.09
940	-3.05	1.42	49.55	2120	-1.96	2.53	63.68	2620	-2.16	2.17	60.81
950	-3.04	1.32	49.66	2130	-1.9	2.34	64.57	2630	-2.16	2.2	60.81
960	-3.16	1.35	48.31	2140	-1.96	2.22	63.68	2640	-2.13	2.05	61.24
970	-3.48	1.23	44.87	2150	-1.95	2.39	63.83	2650	-2.15	1.85	60.95
980	-3.32	1.47	46.56	2160	-1.87	2.73	65.01	2660	-2.14	1.87	61.09
990	-3.31	1.35	46.67	2170	-1.98	2.42	63.39	2670	-2.32	1.59	58.61
1000	-3.19	1.42	47.97	2180	-2.05	2.2	62.37	2680	-2.34	1.59	58.34
1700	-2.27	2.08	59.29	2190	-2.05	2.18	62.37	2690	-2.36	1.69	58.08
1710	-2.22	2.22	59.98	2200	-2.07	2.04	62.09	2700	-2.39	1.91	57.68
1720	-2.21	2.5	60.12	2210	-2.02	1.9	62.81	2710	-2.46	2.04	56.75
1730	-2.17	2.62	60.67	2220	-2.04	2.18	62.52	2720	-2.5	1.88	56.23
1740	-2.15	2.5	60.95	2230	-2.02	2.24	62.81	2730	-2.75	1.55	53.09
1750	-2.12	2.4	61.38	2240	-2.17	1.91	60.67	2740	-2.78	1.52	52.72
1760	-2.18	2.49	60.53	2250	-2.13	1.87	61.24	2750	-2.9	1.36	51.29
1770	-2.22	2.65	59.98	2260	-2.15	2.08	60.95	2760	-2.97	1.33	50.47
1780	-2.21	2.68	60.12	2270	-2.09	2.19	61.80	2770	-3.03	1.14	49.77
1790	-2.22	2.61	59.98	2280	-2.14	2.18	61.09	2780	-3.25	1.16	47.32
1800	-2.18	2.37	60.53	2290	-2.13	2.11	61.24	2790	-3.44	1.09	45.29
1810	-2.19	2.42	60.39	2300	-2.18	2.16	60.53	2800	-3.48	0.86	44.87
1820	-2.08	2.4	61.94	2310	-2.16	2.43	60.81				
1830	-1.97	2.69	63.53	2320	-2.15	2.85	60.95				
1840	-1.89	2.55	64.71	2330	-2.02	3.09	62.81				
1850	-1.82	2.28	65.77	2340	-2	2.88	63.10				
				2350	-2.01	2.73	62.95				

一般要求:

general requirements:

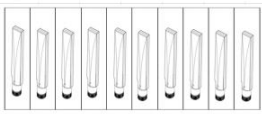
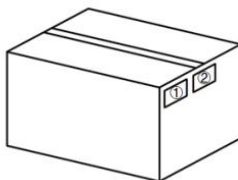
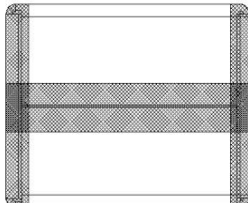
1.图片说明内箱、出货时包装方式、袋数、单袋数量等

Picture description of inner and outer boxes, packaging method during shipment, number of bags, single bag quantity, etc

2.备注栏内填写包装所用材料名称, 数量等

Fill in

the material name, quantity, etc. used for packaging in the remarks column

 图1: 10PCS/PE袋10 pcs antenna products in a one-piece bag. (10 PCS / One-piece Bag) 参考		 图2: 10*4PCS/大PE袋40 pcs antenna products in a PE bag. (40 PCS / PE Bag) 参考		包装方式: Packaging method:	单PE袋+整装PE袋+外箱 Single PE bag+packaged PE bag+outer box
		方式 way	数量、尺寸 number、Size:		
		单PE袋 Single PE	1PCS 245*30mm		
		PE袋 pe bag	40PCS/袋255*225mm		
 图3: 封箱2000PCS Position for Attaching Labels ① Carton Label ② Quality Label 参考		 图4: 贴上标签 Sealing Cartons “工” type sealing cartons 参		外箱 Outer box	460*315*370MM
备注: 尾数要贴尾数标签。 Note: Tail numbers should be labeled with tail number tags. (图片仅供参考, 实际以出货为准) (The pictures are for reference only, actual shipment shall prevail)					
存储条件: 温度: 18-28° C 湿度: 35%-75%RH Temperature: 18-28 ° C Humidity: 35% -75% RH Storage conditions: Temperature: 18-28 ° C Humidity: 35% -75% RH 存储在低温、低湿、无腐蚀性气体的环境下; 打开包装后请在周内使用完。 使用期限:6月 Store in a low-temperature, low humidity, and non corrosive gas environment; Please use up within one week after opening the packaging. Usage period: June					
签名: 林芳					
日期: 2024/12/31					