



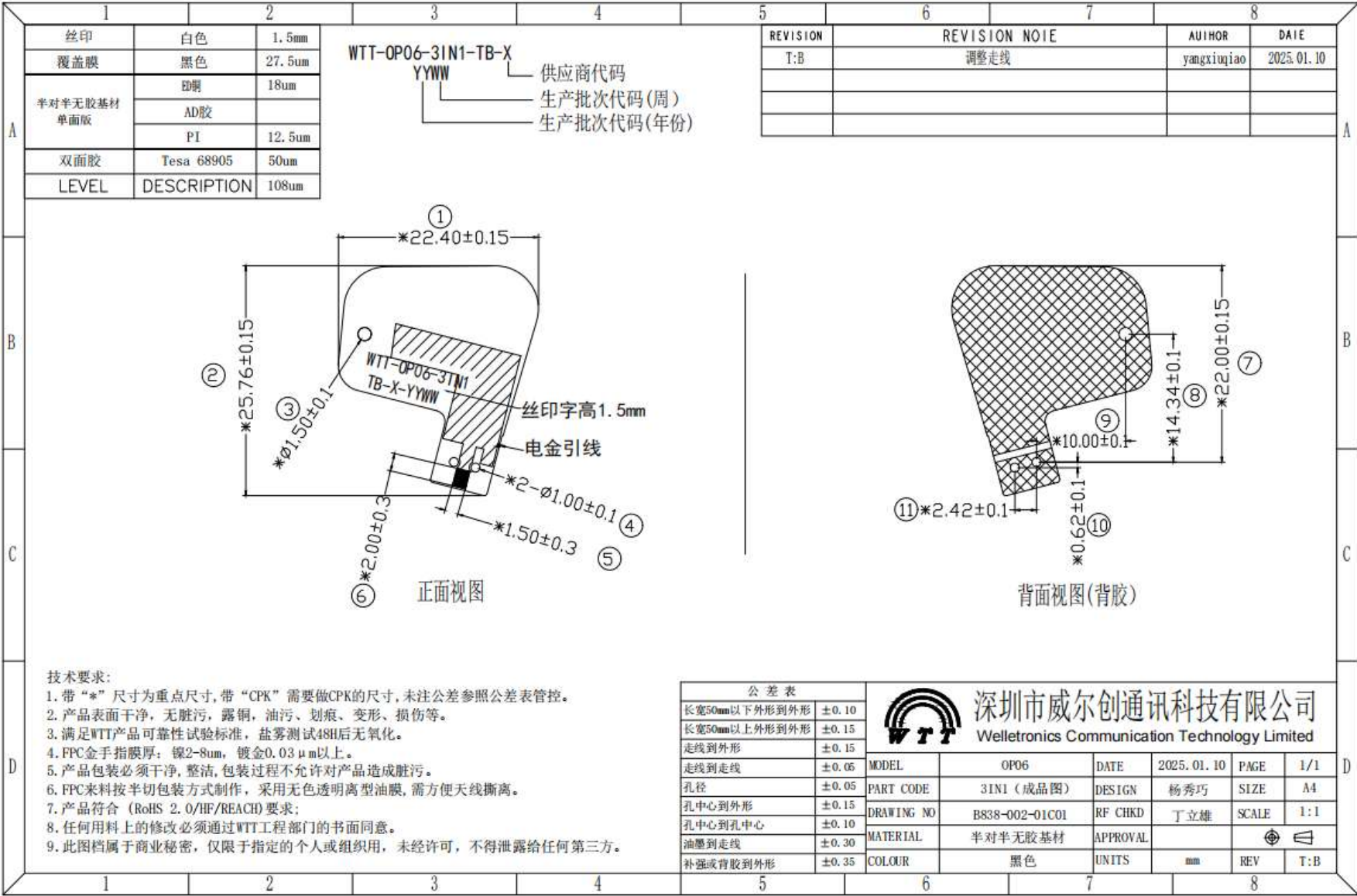
安徽钧钛智能科技有限公司

物料承认书

APPROVAL SHEET

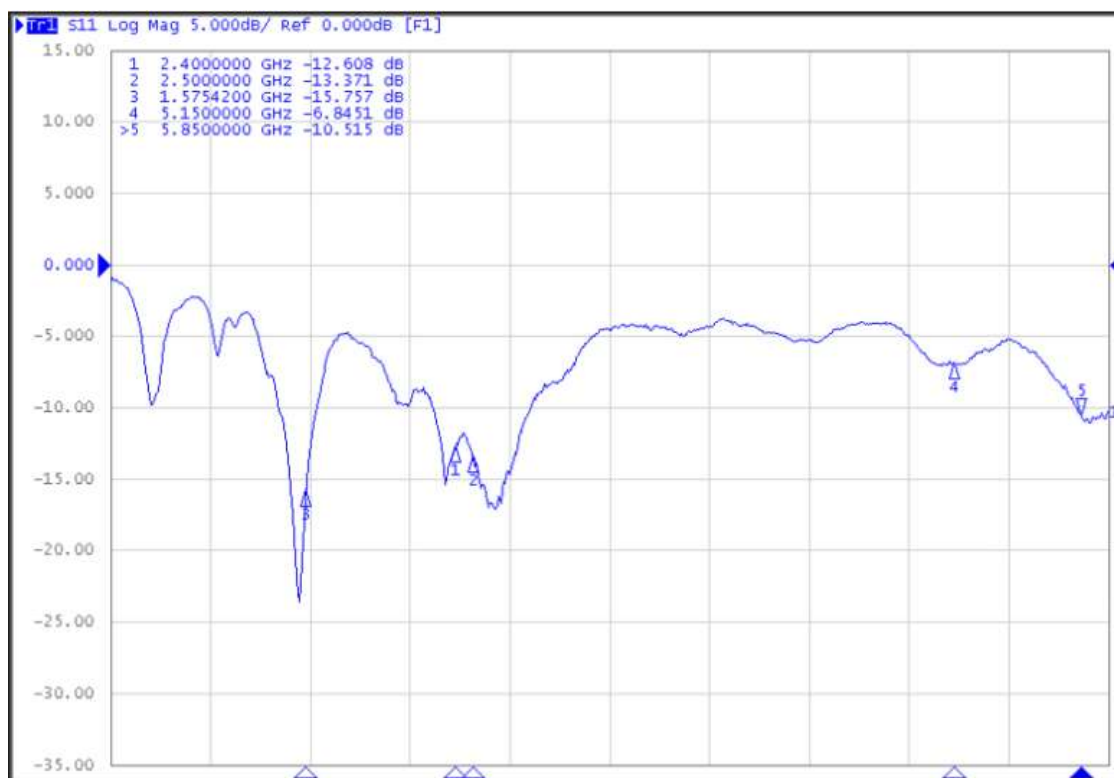
物料描述: Part Description:	供应商名称: 深圳市威尔创通讯科技有限公司 Vendor: DTK 物料编码: 809.002.0011 Part No. 物料描述: OP06 3IN1 三合一天线 FPC Part Description:	产品名称: 3IN1 三合一天线 Product Name: 供应商物料编码: B838-002-01C01 Part No. 承认项目: OP06 Model:
附件: Attachments:	☐ 制造流程图 Process Flow Chart ☐ 关键尺寸 CPK 报告 Cpk Report ☐ 可靠性测试报告 Reliability Report ☐ 规格书 (若规格书已涵盖以上信息部分, 无需重复提供) Spec ☐ 承认书 3 份/样品*2PCS Sample	
供应商签核: Vendor:	☐ QC 工程图 QC engineering drawing ☐ FAI 全尺寸报告 FAI Report ☐ 包装方式 Packing Content	
DTK 承认人: Approved by:	☒ 图纸 Drawing ☐ 关键材料清单 Key material list ☒ 测试数据 Test data	
DTK 批准人: Confirmed by:	审核: Check: 承诺: 供方所供物料/配件, 均需满足 ROHS&REACH 对于各类物质成份的最新限制要求	
Distribute:	供应商用印/盖章: Vendor Stamp: 结构: Mechanical: 硬件: HW: 工业: ID: 其他:	
	研发负责人: R&D leader :	
	☐ 代工厂 ☐ 留档 ☐ 供应商 ☐ 其他	

A) . 2Ddrawing2D 图纸



B)Test data 测试数据

1. Antenna waveform 天线波形图:



2.Antenna test data 天线测试数据

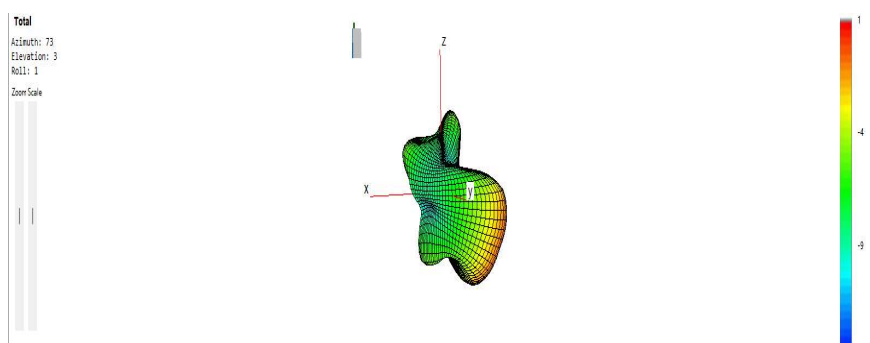
	无源数据			
	Frequency	天线效率-db	Gain	效率%
	1500	-5.88	0.55	25.79
	1505	-5.93	0.45	25.52
	1510	-5.92	0.43	25.59
	1515	-5.93	0.32	25.5
	1520	-5.96	0.15	25.36
	1525	-5.97	0.01	25.27
	1530	-5.95	-0.04	25.4
	1535	-5.92	-0.06	25.57
	1540	-5.87	-0.09	25.86
	1545	-5.83	-0.15	26.12
	1550	-5.73	-0.12	26.73
	1555	-5.59	-0.02	27.6
	1560	-5.45	0.06	28.49
	1565	-5.35	0.08	29.16
	1570	-5.26	0.09	29.81
	1575	-5.11	0.15	30.84
	1580	-4.95	0.33	32.02
	1585	-4.82	0.53	32.98
	1590	-4.68	0.62	34.01
	1595	-4.57	0.61	34.95
	1600	-4.49	0.63	35.53
	1605	-4.47	0.65	35.7
	1610	-4.43	0.65	36.03
	1615	-4.33	0.66	36.93
	1620	-4.23	0.7	37.75
	1625	-4.19	0.75	38.13
	1630	-4.18	0.71	38.19
	1635	-4.19	0.61	38.1
	1640	-4.23	0.52	37.75
	1645	-4.24	0.52	37.66
	1650	-4.21	0.55	37.96
	1655	-4.19	0.51	38.12
	1660	-4.2	0.4	37.98
	1665	-4.21	0.34	37.97
	1670	-4.19	0.35	38.08
	1675	-4.22	0.31	37.88
	1680	-4.29	0.2	37.27
	1685	-4.36	0.07	36.67
	1690	-4.37	0.03	36.53

	1695	-4.39	0.05	36.37
	1700	-4.58	-0.06	34.85
	2300	-3.1	0.37	49.02
	2310	-3.03	0.31	49.73
	2320	-3.08	0.29	49.23
	2330	-2.96	0.31	50.63
	2340	-2.73	0.43	53.37
	2350	-2.58	0.7	55.15
	2360	-2.64	0.81	54.5
	2370	-2.75	1	53.04
	2380	-2.77	1.11	52.81
	2390	-2.79	1.26	52.58
	2400	-2.87	1.3	51.6
	2410	-2.78	1.57	52.77
	2420	-3.13	1.35	48.6
	2430	-3.44	1.25	45.24
	2440	-3.56	1.19	44.05
	2450	-3.52	1.39	44.45
	2460	-3.51	1.27	44.61
	2470	-3.3	1.31	46.73
	2480	-3.21	1.19	47.75
	2490	-3.09	1.12	49.03
	2500	-3	1.07	50.09
	2510	-2.8	1.1	52.53
	2520	-2.72	1.11	53.51
	2530	-2.83	0.97	52.11
	2540	-2.89	0.9	51.39
	2550	-2.76	0.94	52.93
	2560	-2.75	0.96	53.05
	2570	-2.74	0.91	53.16
	2580	-2.8	0.79	52.46
	2590	-2.96	0.56	50.56
	2600	-3.01	0.44	49.97
	5000	-4.4	0.39	36.3
	5020	-4.49	0.08	35.53
	5040	-4.35	-0.05	36.7
	5060	-4.39	-0.43	36.41
	5080	-4.32	-0.58	36.95
	5100	-4.27	-0.84	37.45
	5120	-4.34	-1.2	36.78
	5140	-4.36	-1.34	36.63
	5160	-4.38	-1.33	36.51
	5180	-4.28	-1.02	37.28
	5200	-4.29	-0.75	37.21

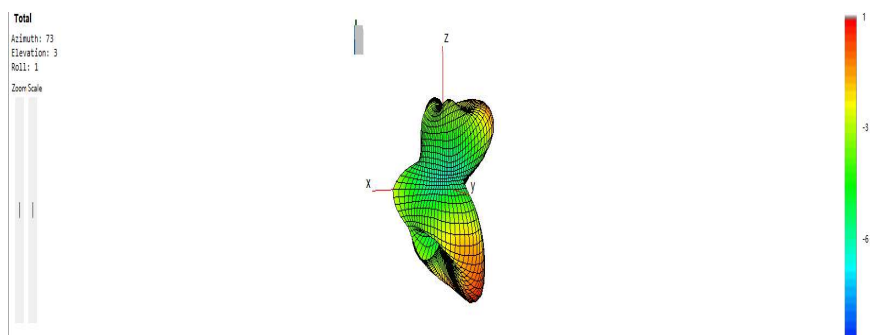
	5220	-4.26	-0.39	37.54
	5240	-4.37	-0.18	36.58
	5260	-4.46	0.08	35.84
	5280	-4.37	0.48	36.58
	5300	-4.44	0.63	35.99
	5320	-4.3	0.9	37.17
	5340	-4.13	1.27	38.66
	5360	-4.24	1.38	37.71
	5380	-3.88	2.08	40.92
	5400	-4.09	2.16	38.97
	5420	-3.927	2.557	40.444
	5440	-3.86	2.89	41.03
	5460	-3.793	3.223	41.616
	5480	-3.726	3.556	42.202
	5500	-3.659	3.889	42.788
	5520	-3.592	4.222	43.374
	5540	-3.525	4.555	43.96
	5560	-3.458	4.888	44.546
	5580	-3.391	5.221	45.132
	5600	-3.324	5.554	45.718
	5620	-3.257	5.887	46.304
	5640	-3.19	6.22	46.89
	5660	-3.123	6.553	47.476
	5680	-3.056	6.886	48.062
	5700	-2.989	7.219	48.648
	5720	-2.922	7.552	49.234
	5740	-2.855	7.885	49.82
	5760	-2.788	8.218	50.406
	5780	-2.721	8.551	50.992
	5800	-2.654	8.884	51.578
	5820	-2.587	9.217	52.164
	5840	-2.52	9.55	52.75
	5860	-2.453	9.883	53.336
	5880	-2.386	10.216	53.922
	5900	-2.319	10.549	54.508
	5920	-2.252	10.882	55.094
	5940	-2.185	11.215	55.68
	5960	-2.118	11.548	56.266
	5980	-2.051	11.881	56.852
	6000	-1.984	12.214	57.438

3、天线 3D 辐射方向图

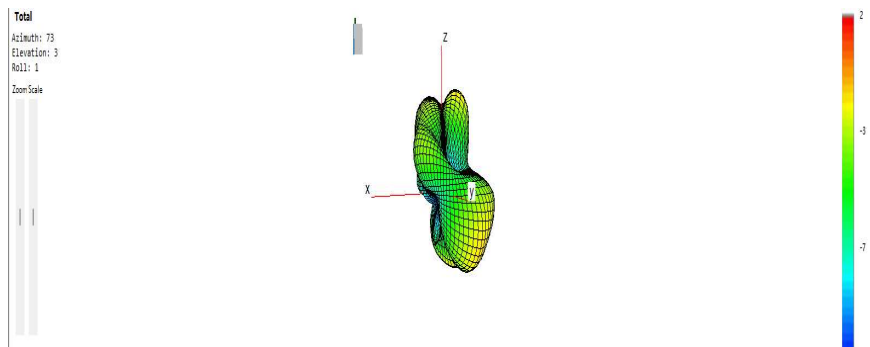
1575MHz



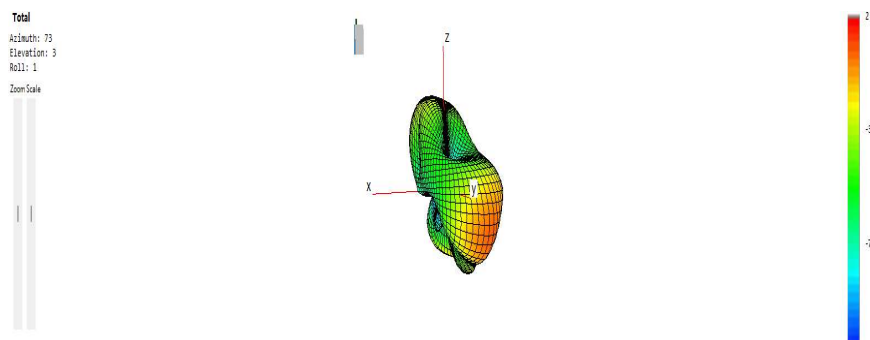
2. 4G



5. 1G



5. 3G



5. 8G

