

Shenzhen Yunding Communication Electronics Co., Ltd

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APPROVAL

CUSTOMER:

DESCRIPTION: **YD-002-PCB-2.4G/5G-1.13 L200-IPEX**

PART NO.:

CUS PART NO.:

D A T E: **2023. 9. 21**

ENGINEERING DEPARTMENT	Q C DEPARTMENT	SALES DEPARTMENT

ENGINEERING DEPARTMENT	Q C DEPARTMENT	PURCHASING DEPARTMENT

※ Approval in duplicate, please signed by your company.

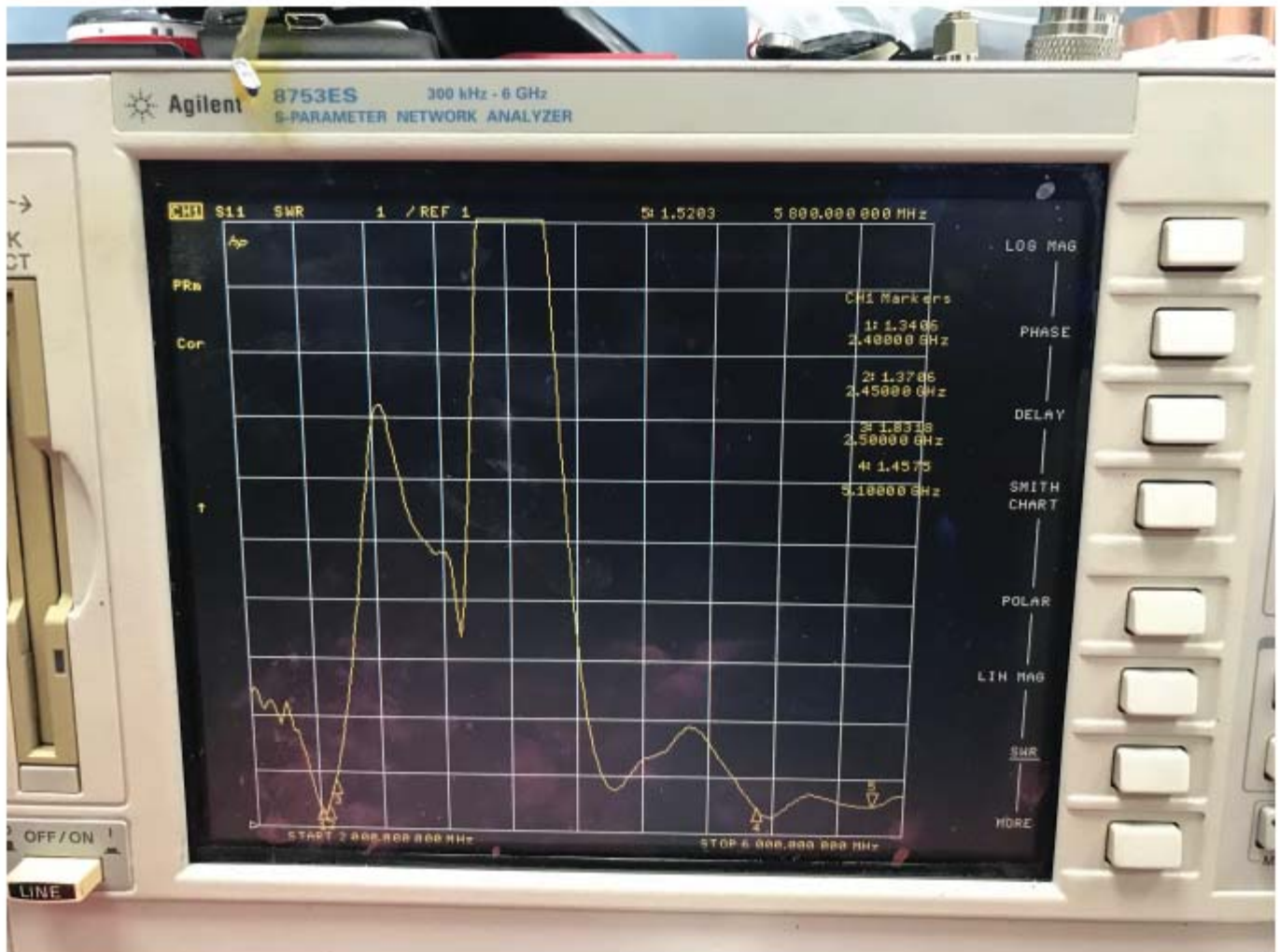
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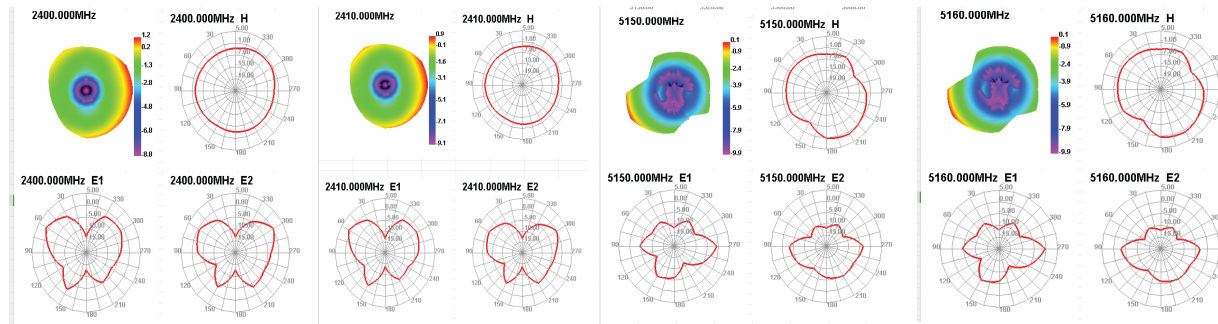
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3. Antenna Sample Data

Passive Test For WIFI										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	52.7	-2.78	4.09	1.94	29.709	22.991	4.09	-16.54	48.09	47.94
2410	51.47	-2.88	4.01	1.86	29.3	22.173	4.01	-15.61	48.07	47.87
2420	52.11	-2.83	4.05	1.9	30.11	22.003	4.05	-15.51	48.18	48
2430	51.28	-2.9	3.94	1.79	30.112	21.164	3.94	-15.33	48.17	47.99
2440	52.88	-2.77	4.12	1.97	31.822	21.053	4.12	-14.95	48.33	48.11
2450	55.4	-2.57	4.36	2.21	34.081	21.317	4.36	-13.85	48.44	48.14
2460	56.29	-2.5	4.4	2.25	35.29	21.003	4.4	-12.5	48.41	48.06
2470	56.56	-2.47	4.37	2.22	35.909	20.656	4.37	-12.71	48.49	48.11
2480	55.74	-2.54	4.21	2.06	35.647	20.092	4.21	-13.39	48.63	48.18
2490	54.64	-2.63	4.03	1.88	35.178	19.46	4.03	-13.92	48.76	48.29
2500	54.51	-2.64	3.86	1.71	35.093	19.42	3.86	-14.92	48.69	48.16

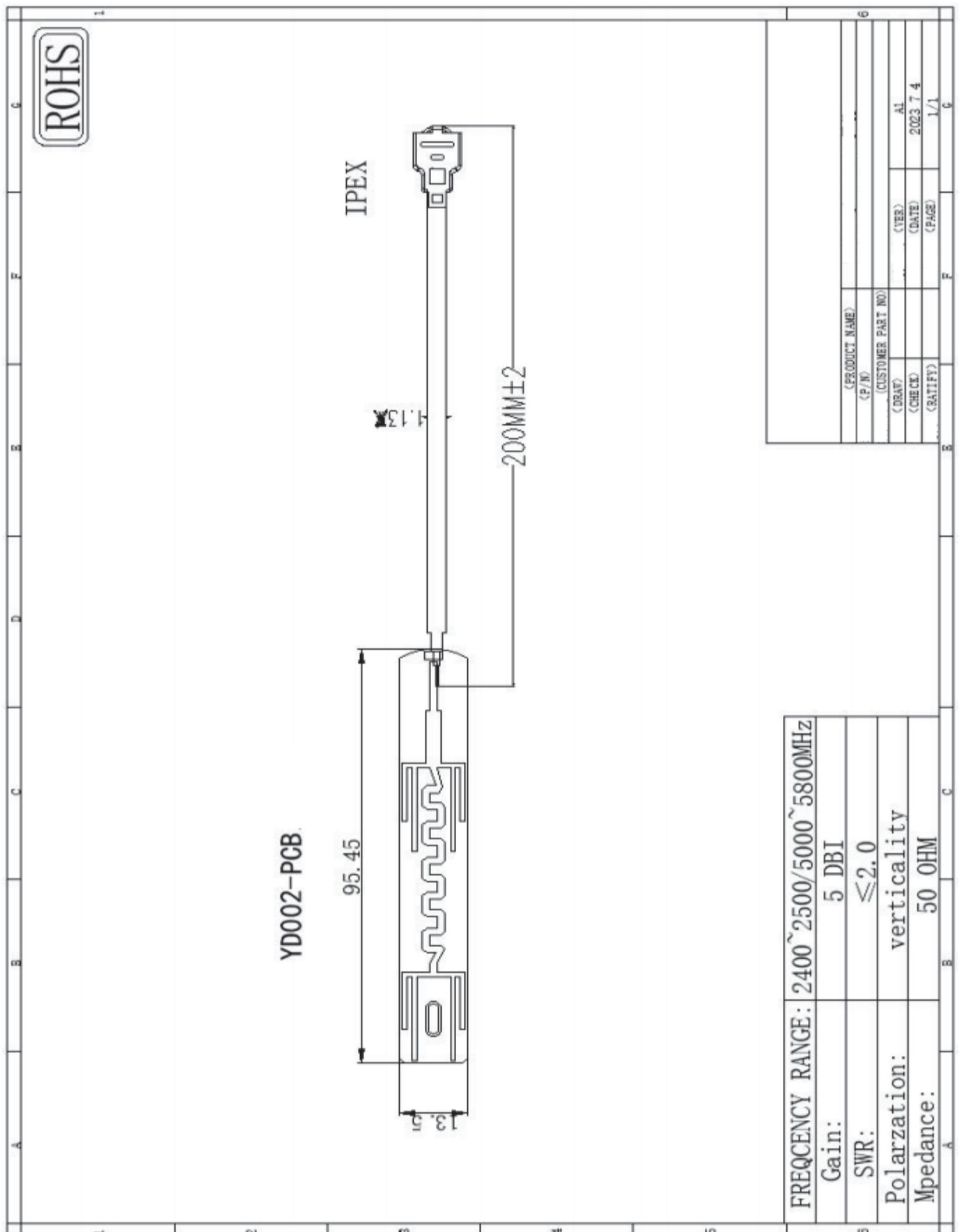
Passive Test For WIFI-5G										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
5100	47.53	-3.23	3.14	0.99	17.955	29.574	3.14	-16.43	57.95	57.06
5150	42.05	-3.76	2.6	0.45	15.395	26.654	2.6	-24.91	57.91	57.19
5200	49.11	-4.08	2.56	0.41	13.505	25.603	2.56	-21.44	57.55	56.83
5250	51.8	-2.86	4.03	1.88	16.756	35.04	4.03	-17.15	57.72	56.91
5300	49.9	-3.02	4.11	1.96	15.213	34.683	4.11	-22.04	57.16	56.32
5350	48.52	-3.14	4.24	2.09	14.097	34.428	4.24	-17.98	57.61	56.81
5400	50.84	-2.94	4.5	2.35	14.209	36.634	4.5	-18.34	58.32	57.48
5450	39.24	-4.06	3.65	1.5	10.476	28.765	3.65	-19.96	58.49	57.41
5500	37.5	-4.26	3.93	1.78	9.63	27.875	3.93	-19.25	58.91	57.66
5550	42.6	-3.71	4.57	2.42	11.085	31.517	4.57	-18.31	59.82	58.58
5600	48.32	-3.16	5.32	3.17	12.737	35.582	5.32	-19.71	59.51	58.82
5650	50.05	-3.01	5.59	3.44	13.444	36.608	5.59	-20.81	60.1	59.5
5700	43.05	-3.66	4.74	2.59	12.297	30.753	4.74	-22.64	60.54	59.93
5750	49.32	-3.07	4.98	2.83	15.035	34.29	4.98	-26.32	60.86	60.31
5800	54.65	-2.62	4.82	2.67	17.848	36.804	4.82	-17.94	61.14	60.57

3. Antenna diagram



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Drawing



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Electrical Specifications	
Frequency Range	2400~2500/5000~5800MHz
VSWR	≤2.0
Input Impedance	50 Ω
Gain	5.59DBi
Radiation direction	omnidirectional
Mechanical Specifications	
Antenna Color	Black
Input connector	IPEX 1
Cable length	200mm
Working Temperature	-40℃~+85℃
Working Humidity	20~80%