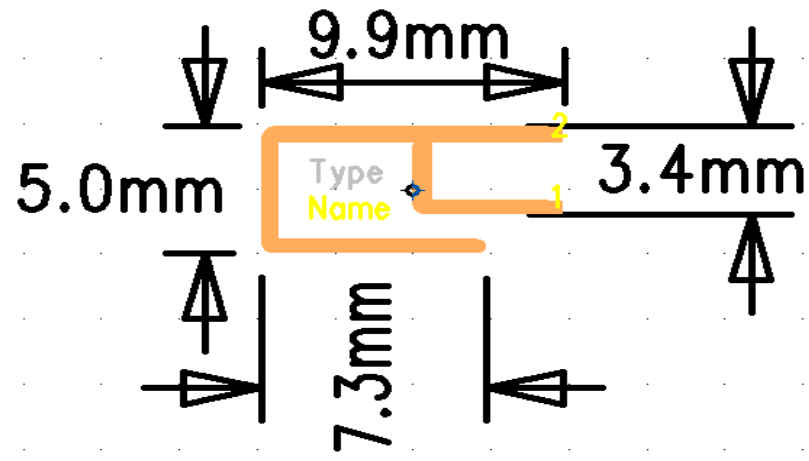
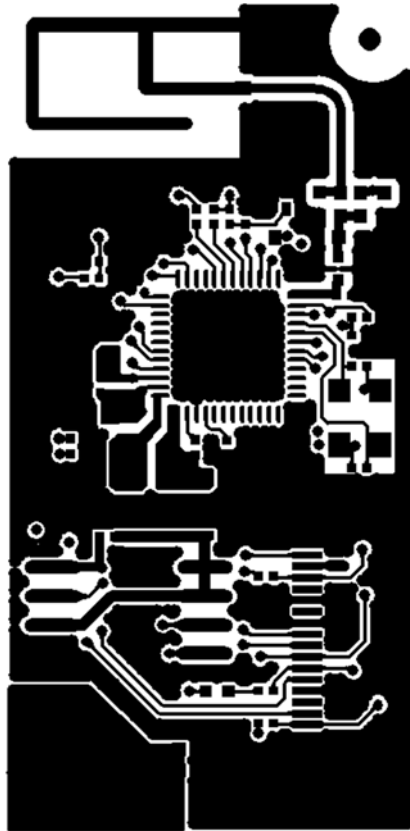


# ANTENNA SPECIFICATION



远德电子 (深圳) 有限公司

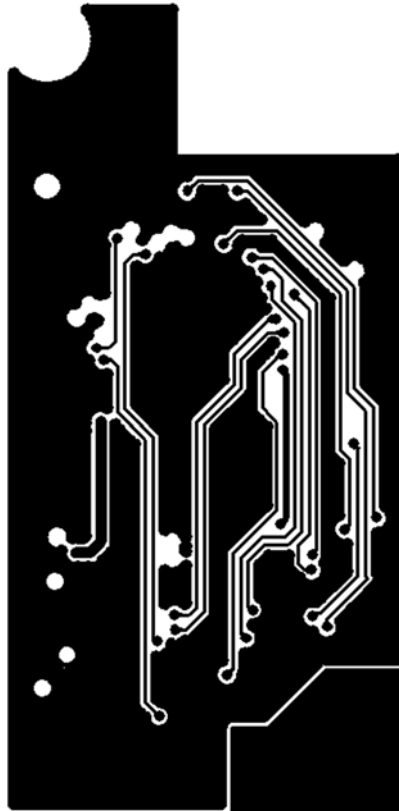
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-5.32	-5.14	-4.82	-4.66	-4.47	-4.44	-4.27	-4.19	-4.17	-4.21	-4.24
Gain (dBi)	0.97	1.28	1.59	1.67	1.99	1.94	2.10	1.93	1.91	1.69	1.71
Efficiency (%)	29.35	30.60	32.93	34.17	35.69	35.94	37.40	38.10	38.32	37.94	37.64
Directivity (dB)	6.29	6.42	6.42	6.34	6.47	6.38	6.37	6.12	6.07	5.90	5.96
Peak Gain Position (Theta)	62.00	65.00	66.00	65.00	66.00	65.00	65.00	65.00	64.00	65.00	65.00
Peak Gain Position (Phi)	298.00	295.00	295.00	296.00	296.00	296.00	298.00	301.00	303.00	305.00	306.00
Efficiency ThetaPol (%)	11.45	12.03	12.77	13.47	13.90	14.12	14.32	14.73	14.98	14.70	14.35
Efficiency PhiPol (%)	17.90	18.57	20.16	20.71	21.79	21.82	23.08	23.37	23.34	23.24	23.28
Upper Hem. Efficiency (%)	17.62	18.58	19.92	20.78	21.78	22.12	23.04	23.30	23.52	23.02	23.08
Lower Hem. Efficiency (%)	11.74	12.02	13.01	13.39	13.91	13.82	14.35	14.80	14.79	14.92	14.56



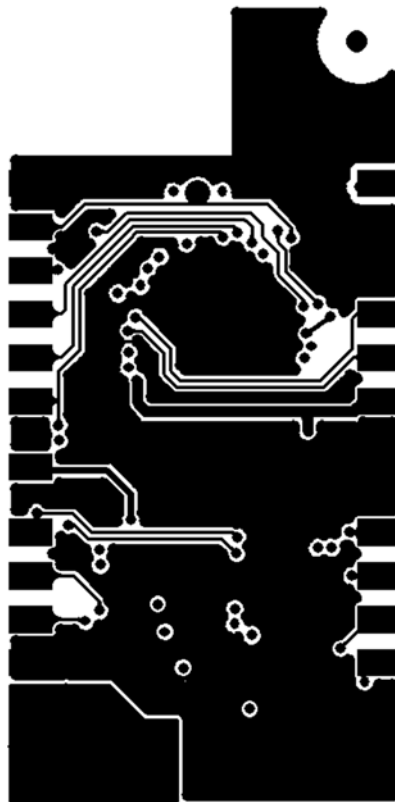
Top Routing



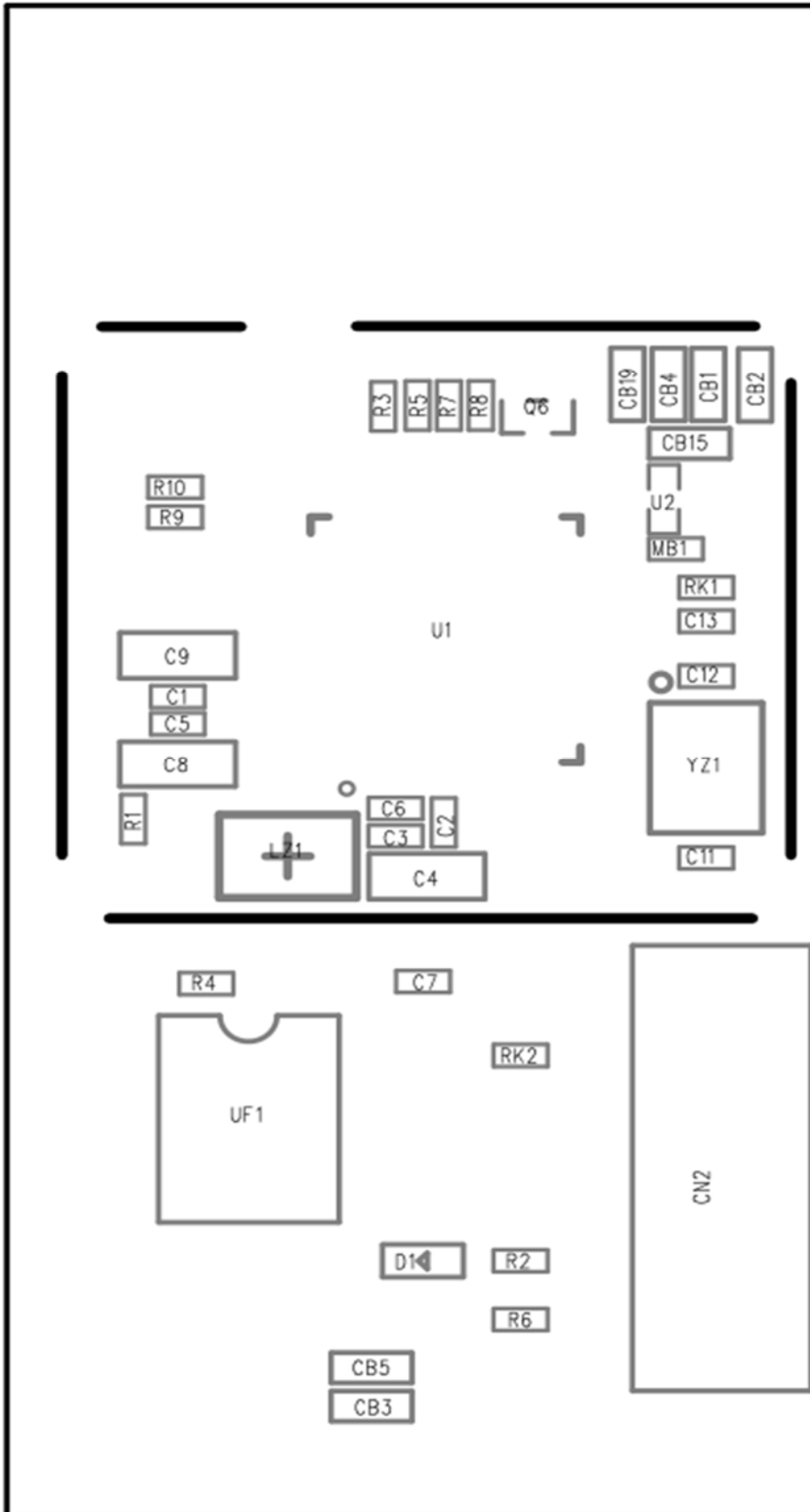
Layer 2 Routing



Layer 3 Routing



Bottom Routing



Top Silkscreen

<b>RFO</b>		<b>GND2</b>
<b>GND3</b>	<b>105</b>	<b>ORX</b>
<b>GND</b>		<b>WIO1</b>
<b>DP</b>		<b>CMD</b>
<b>DM</b>		<b>CLK</b>
<b>BAT</b>		<b>DAT</b>
<b>GND4</b>		<b>VCC</b>
<b>INT0</b>		<b>1RX</b>
<b>MUTE</b>		<b>SPDIF</b>
<b>BT_RST</b>		<b>1TX</b>
<b>TX0</b>		<b>PGND</b>

**WE-8853S V1.01**

**2021/01/12**

Bottom Silkscreen

