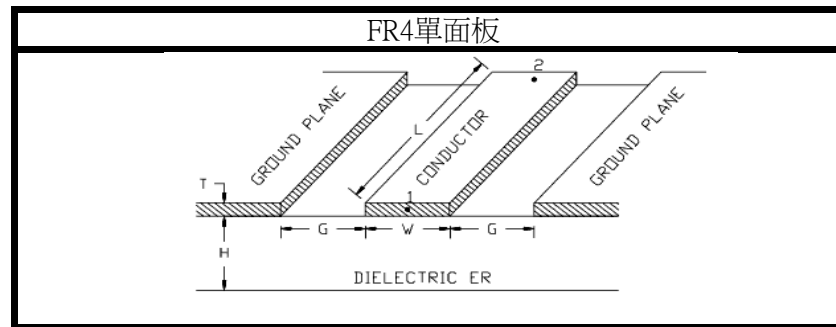
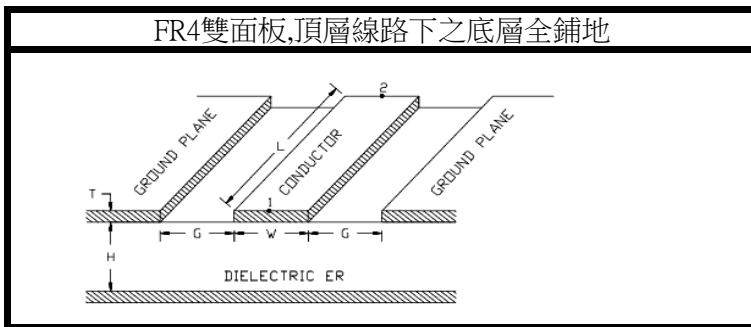
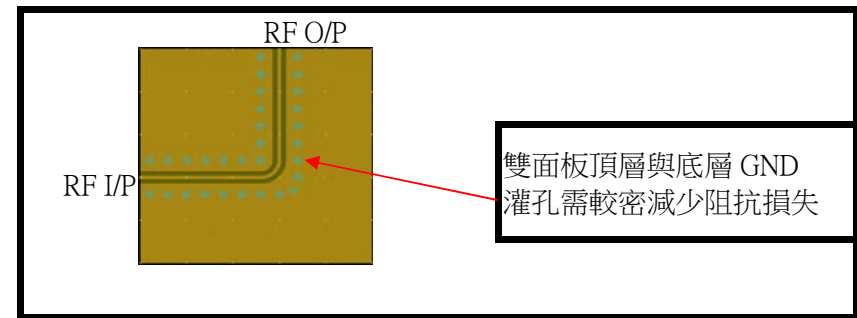


2.45GHz頻帶 波導線 PCB 布線規則,依不同主板厚度及線寬,線距列舉如下:

	1mil:mm	0.0254	W線寬	G間隙	H玻纖厚
2-1	雙面板(底層鋪地)	mil	24	5.13	40
	2.5G/50Ω波導線	mm	0.61	0.13	1.02
2-2	雙面板(底層鋪地)	mil	24	4.79	63.00
	2.5G/50Ω波導線	mm	0.61	0.12	1.60
2-3	雙面板(底層鋪地)	mil	32	6.98	40
	2.5G/50Ω波導線	mm	0.81	0.18	1.02
2-4	雙面板(底層鋪地)	mil	32	6.14	63.00
	2.5G/50Ω波導線	mm	0.81	0.16	1.60
1-1	單面板	mil	24	4.45	40.00
1-2	單面板	mil	24	4.52	63.00
	2.5G/50Ω波導線	mm	0.61	0.11	1.60
1-3	單面板	mil	32	5.39	40.00
	2.5G/50Ω波導線	mm	0.81	0.137	1.02
1-4	單面板	mil	32	5.53	63.00
	2.5G/50Ω波導線	mm	0.81	0.140	1.60
1-5	單面板	mil	58.5	8	40.00
	2.5G/50Ω波導線	mm	1.49	0.203	1.02
1-6	單面板	mil	53.4	8	63.00
	2.5G/50Ω波導線	mm	1.36	0.203	1.60

The screenshots show the software's parameter settings for CPWG (Coplanar Waveguide) and CPWSUB (Coplanar Waveguide Substrate) components. The top screenshot shows a configuration with W=24.000 mil, G=5.132795 mil, and L=501.421260 mil, resulting in K_Eff = 2.548, A_DB = 0.001, and SkinDepth = 49.711. The bottom screenshot shows a configuration with W=32.000 mil, G=6.138622 mil, and L=499.669291 mil, resulting in K_Eff = 2.566, A_DB = 0.001, and SkinDepth = 49.711. Both screenshots include a 3D cross-section diagram of the waveguide structure and a 'Calculated Results' panel.

This screenshot shows the software interface for a CPW (Coplanar Waveguide) component. The parameters are set to W=24.000 mil, G=4.446299 mil, and L=505.405512 mil. The calculated result for K_Eff is 2.431. A 3D diagram illustrates the waveguide structure with labels for Ground Plane, Conductor, and DIELECTRIC ER.



藍牙模塊外接主板及外接天線示意圖

