



東莞市新盛電子有限公司

Dongguan City Xinsheng Electronics Co.,Ltd
RF Antenna Assembly

Specification

1. Electrical Properties :

1.1 Frequency Range.....	2.4GHz ~ 2.5GHz
1.2 Impedance	50Ω Nominal
1.3 VSWR	1.92 :1Max.
1.4 Return Loss.....	-10.dB Max.
1.5 Radiation	Omni-directional
1.6 Gain(peak).....	2.09dBi
1.7 Polarization.....	Linear; Vertical
1.8 Admitted Power.....	1W
1.9 Cable	∅ 1.37 Cable

2. Physical Properties :

2.1 Antenna Body.....	TPE
2.2 Antenna Base.....	PC
2.3 Antenna Base.....	PBT
2.4 Operating Temp.	-10°C ~ +60°C
2.5 Storage Temp.	-10°C ~ +70°C
2.6 Color	Black & White



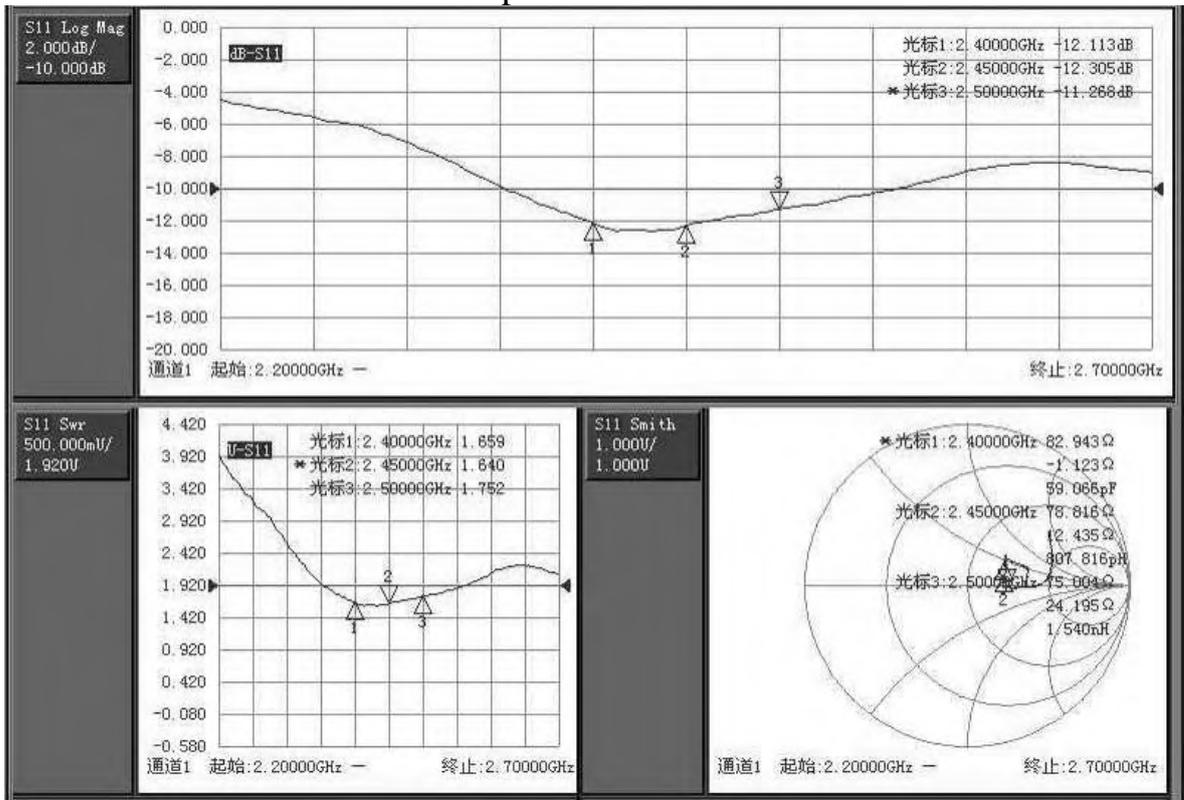
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天線常規電測報告

Sample	測試項目	2.4Ghz	2.45Ghz	2.5Ghz
Sample 1	駐波比	1.659	1.640	1.752
	回波損耗	-12.113	-12.305	-11.268
Sample 2	駐波比	1.443	1.393	1.263
	回波損耗	-14.837	-15.689	-18.683
Sample 3	駐波比	1.457	1.364	1.233
	回波損耗	-14.611	-16.251	-19.624

RF Antenna Assembly
Spec2.4~:2.5GHz





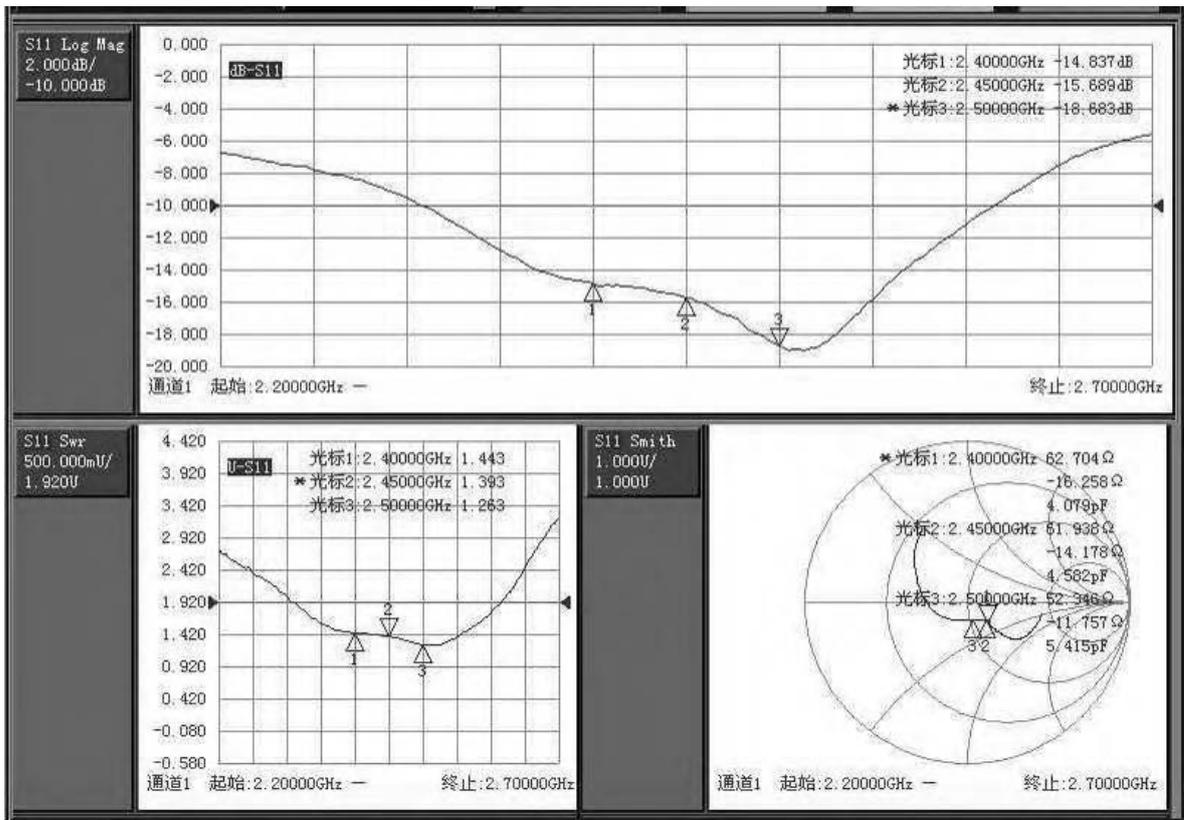
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Spec2.4~:2.5GHz





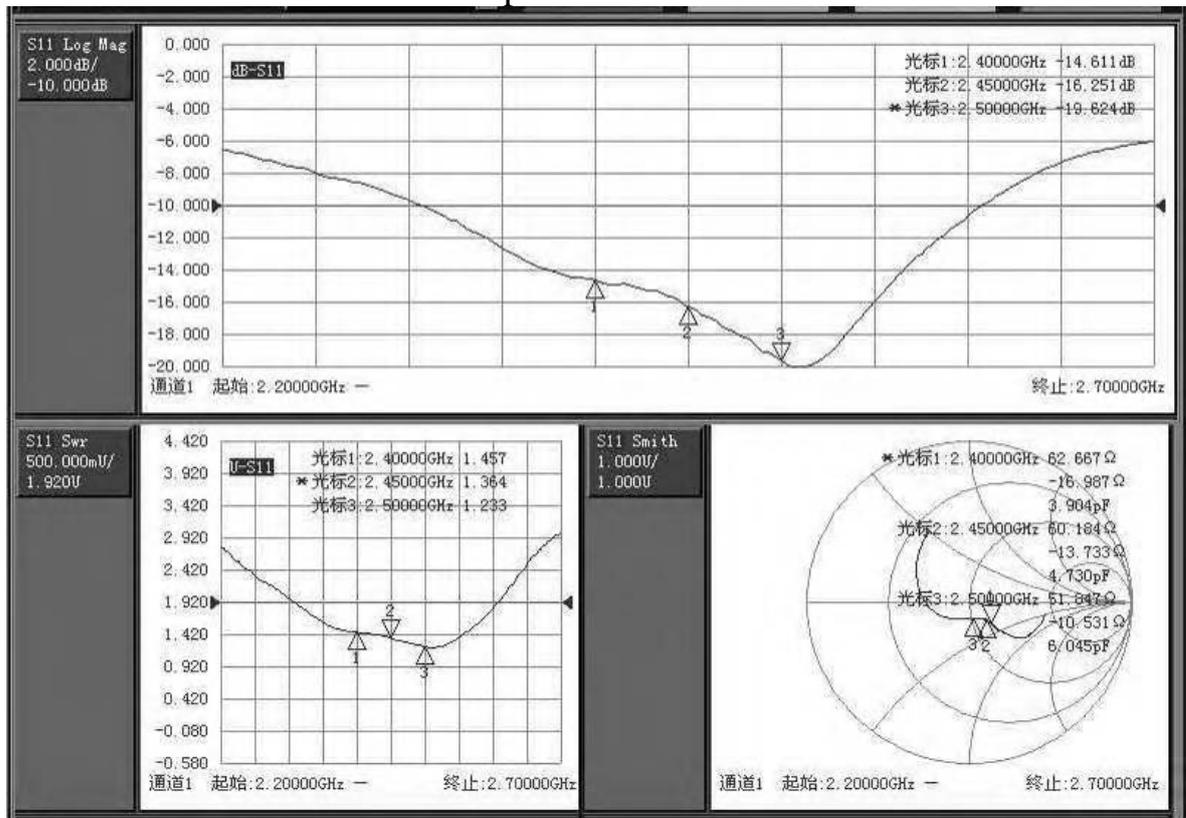
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天線常規電測試報告

RF Antenna Assembly

Spec2.4~:2.5GHz





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天線增益測試報告

客戶：同維/共進

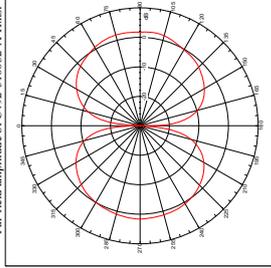
產品名稱：2.4G 2dBi 1.37 Cable

E-Plane/horizontal polaztion

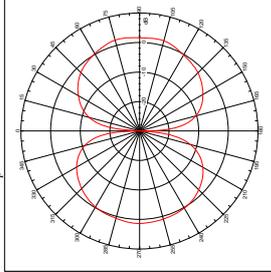
Freq.(MHz)	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510
Peak gain(dBi)	1.85	1.90	1.89	1.95	2.00	1.98	2.05	2.01	1.88	2.00	1.92	1.94	1.99
Peak degree	78	80	82	100	75	79	88	82	106	75	81	80	85
Avg gain(dBi)	-1.38	-1.29	-1.42	-1.39	-1.32	-1.40	-1.28	-1.33	-1.35	-1.40	-1.42	-1.51	-1.42

2390

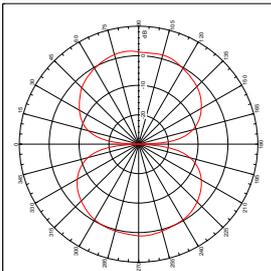
Far-field amplitude of C092-510032-A-H.rst



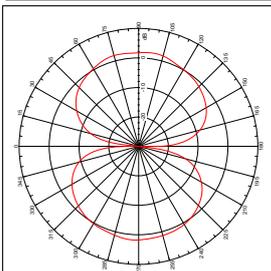
2400



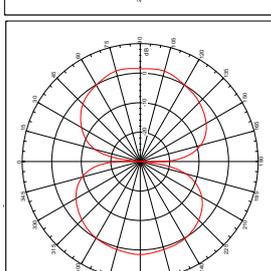
2410



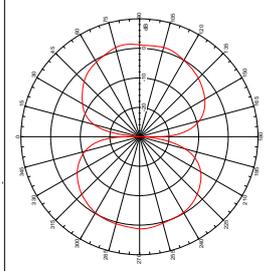
2420



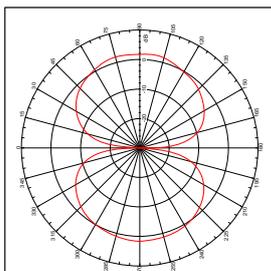
2430



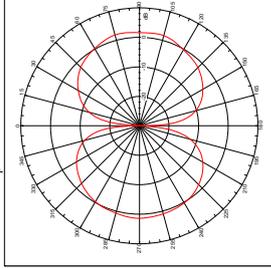
2440



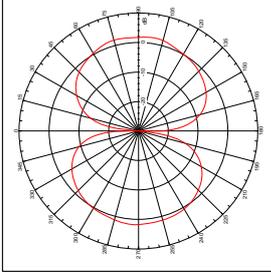
2450



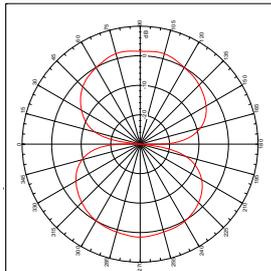
2460



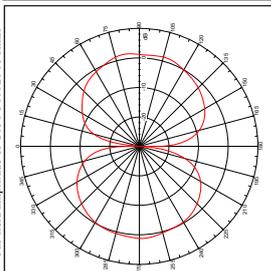
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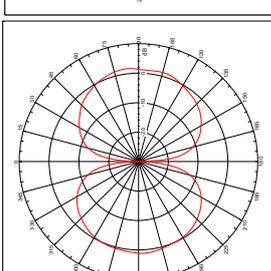
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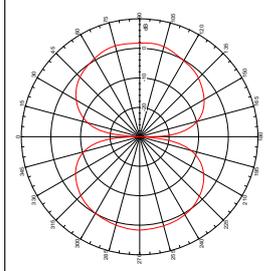
2490



2500



2510



Far-field amplitude of C066-510128-A-H.rst



東莞市新盛電子有限公司

天線增益測試報告

客戶：同維/共進

產品名稱：2.4G 2dBi 1.37 Cable

H-Plane/vertical polaztion

Freq.(MHz)	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510
Peak gain(dBi)	2.01	2.09	1.95	1.89	1.84	1.93	1.97	2.03	2.05	2.00	1.95	1.97	1.93
Peak degree	257	273	30	273	270	275	258	280	97	271	192	95	197
Avg gain(dBi)	1.32	1.27	1.41	1.39	1.33	1.35	1.40	1.29	1.34	1.37	1.41	1.43	1.33

2390

2400

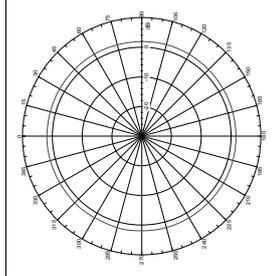
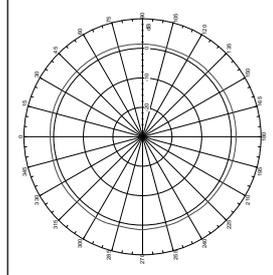
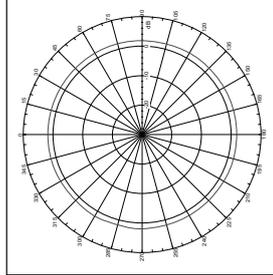
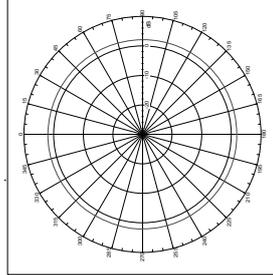
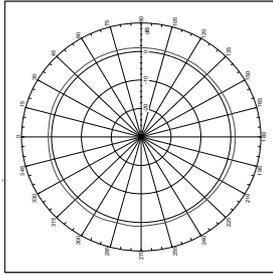
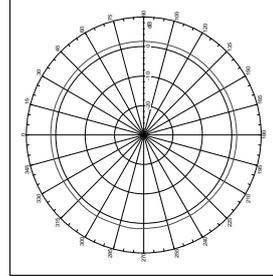
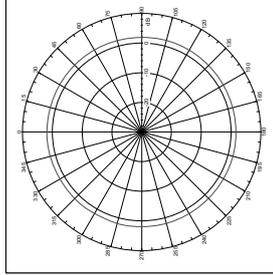
2410

2420

2430

2440

2450



2460

2470

2480

2490

2500

2510

