



3 Nod-120S WiFi Antenna Test Report

Report Date	2017/02/16	Prepared by	Apple_zhao
Report Version	V2	Checked by	Youqing_he
Request Form No.		Approved by	Youqing_he





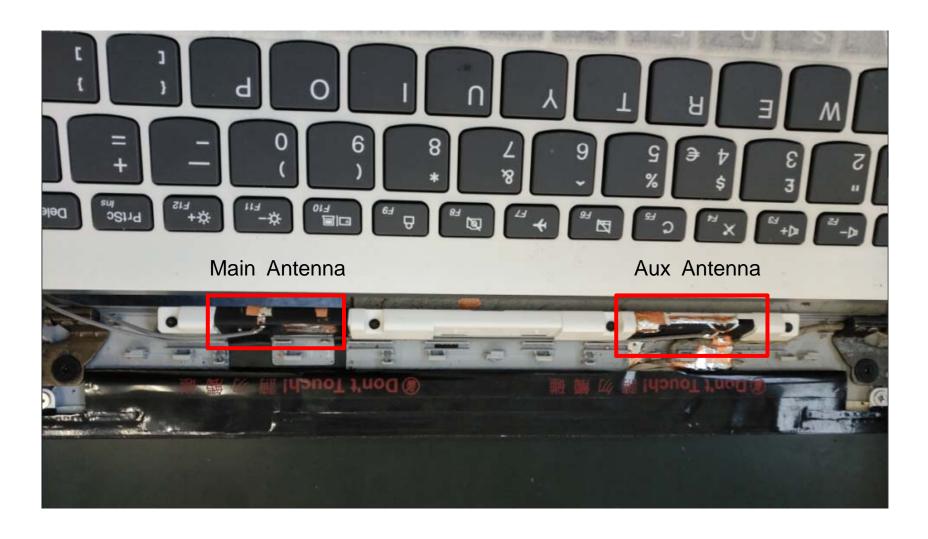
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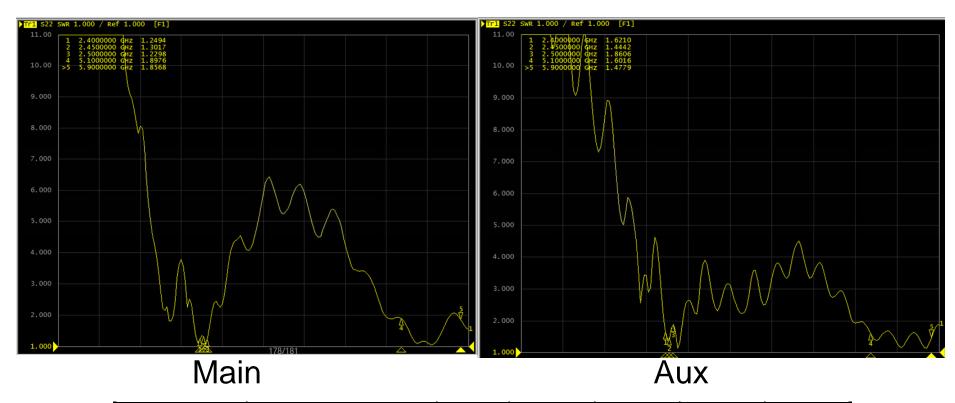
1. Test Condition







2.Main/AUX Antenna----VSWR (open mode)

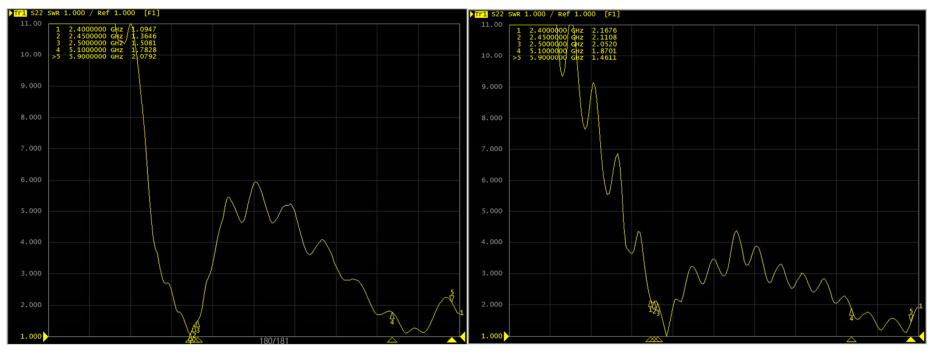


MAIN	Frequency (MHz)	2400	2450	2500	5100	5900
	VSWR	1.24	1.30	1.22	1.89	1.85
AUX	Frequency (MHz)	2400	2450	2500	5100	5900
	VSWR	1.62	1.44	1.86	1.60	1.47





2.Main/AUX Antenna----VSWR (close mode)



Main Aux

MAIN	Frequency (MHz)	2400	2450	2500	5100	5900
	VSWR	1.09	1.36	1.50	1.78	2.07
AUX	Frequency (MHz)	2400	2450	2500	5100	5900
	VSWR	2.16	2.11	2.05	1.87	1.46





1. Main/Aux Efficiency And Peak Gain (open mode)

	Main A	ntenna	AUX Antenna		
Frequency (MHz)	Efficiency (%)	Gain (dBi)	Efficiency (%)	Gain (dBi)	
2400	56. 54	2.88	48. 3	3.02	
2420	52.64	1.84	47.85	2.76	
2440	52. 29	2. 32	45.84	2.3	
2450	51. 3	2.36	44. 96	2. 15	
2460	50. 56	2. 51	44. 08	1.96	
2480	48. 77	2. 73	44. 48	2.42	
2500	48. 46	2.64	43. 03	2. 13	
AVG	51. 5	2. 46	45. 5	2. 39	
5100	47. 59	2. 92	44. 42	2.67	
5200	45. 96	2.73	45. 5	2.32	
5300	45.06	2.8	44. 1	2.75	
5400	44. 74	2. 79	46.84	2.8	
5450	50.61	3. 05	46. 97	2.51	
5500	49.64	2. 76	46. 12	2. 11	
5600	45. 49	2.86	39. 57	0.74	
5700	49. 76	2.77	45. 05	1.62	
5800	46. 46	2. 22	43. 96	1.74	
5900	44. 52	2. 54	40. 11	0.53	
AVG	46. 98	2.74	44. 26	1. 97	





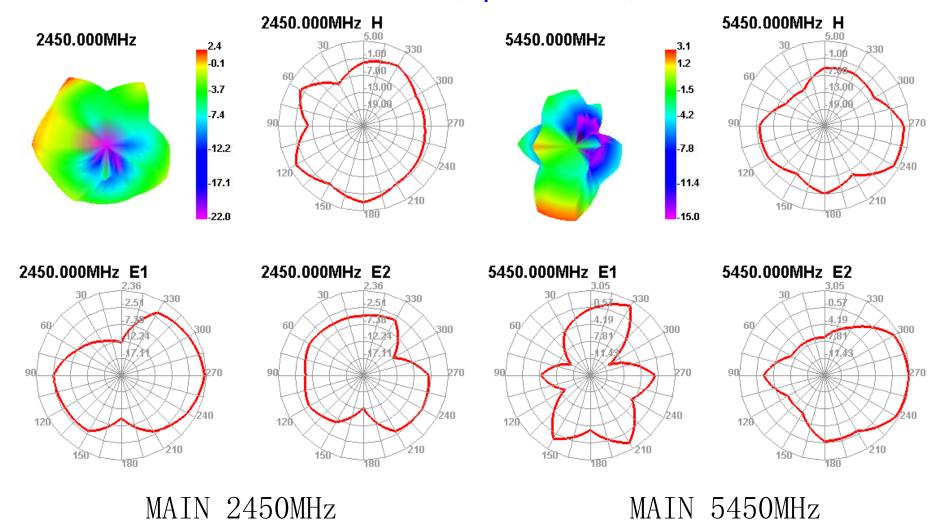
1. Main/Aux Efficiency And Peak Gain (close mode)

	Main A	ntenna	AUX Antenna		
Frequency (MHz)	Efficiency (%)	Gain (dBi)	Efficiency (%)	Gain (dBi)	
2400	46. 07	2.66	42. 13	1.52	
2420	42. 38	2.39	42. 35	1.95	
2440	41. 22	2. 21	41. 16	2.08	
2450	40. 33	2.03	38. 5	1.67	
2460	39. 97	1.86	36. 4	1. 34	
2480	38. 98	1. 69	34. 04	0.75	
2500	39. 48	1.65	33. 91	1. 15	
AVG	41.2	2.07	38. 35	1.49	
5100	43.62	2.87	35. 62	2.06	
5200	43.83	2.09	34. 75	1.38	
5300	40. 78	2. 21	37. 72	1.35	
5400	41. 35	2. 23	38. 76	1.26	
5450	46. 16	2. 79	40. 29	1.3	
5500	45. 78	2. 99	43.72	2.35	
5600	40. 49	1. 25	39. 05	1. 13	
5700	36. 23	2. 67	40. 56	2. 12	
5800	38. 2	0.66	37. 13	1.93	
5900	34.85	-0.88	35. 88	1.66	
AVG	41. 12	1.88	38. 34	1.65	





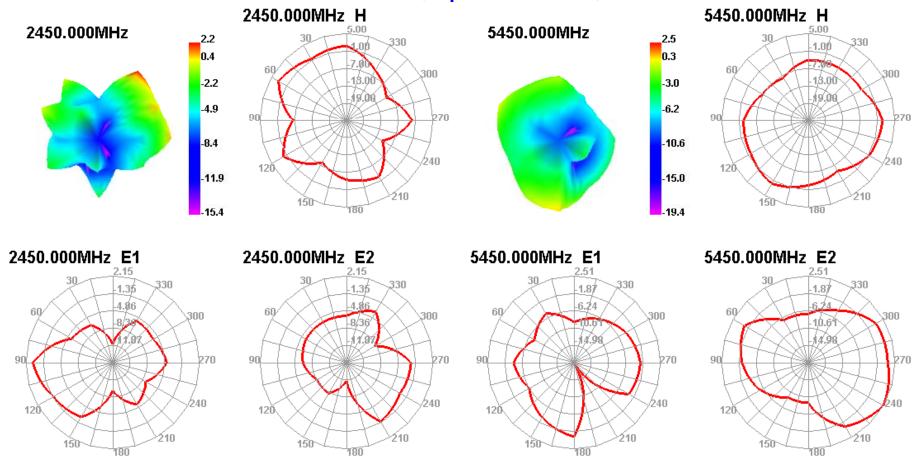
2. Main 3D/2D Gain Pattern (open mode)







2. Aux 3D/2D Gain Pattern (open mode)



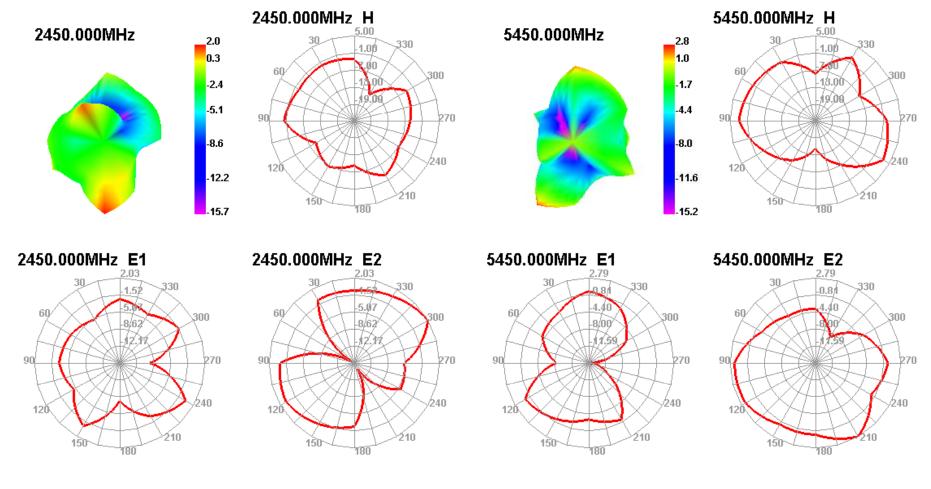
Aux 2450MHz

Aux 5450MHz





2. Main 3D/2D Gain Pattern (close mode)



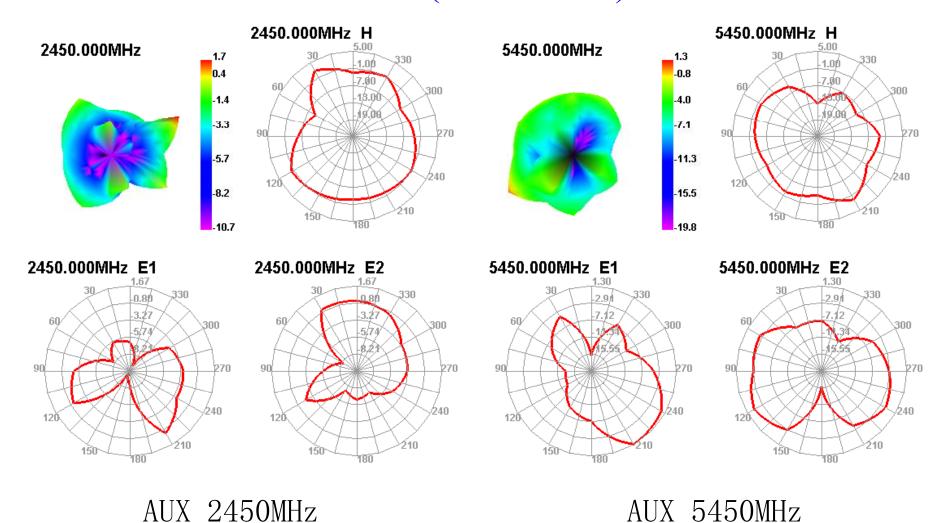
Main 2450MHz

Main 5450MHz





2. Aux 3D/2D Gain Pattern (close mode)







4. Conclusion