



香港鑫恒陽股份有限公司
HongKong Xinghengyang Stock Co.,Ltd.
深圳市鑫恒阳科技有限公司
ShenZhen XinHengYang Technology co.,Ltd





Xinhengyang antenna test data report

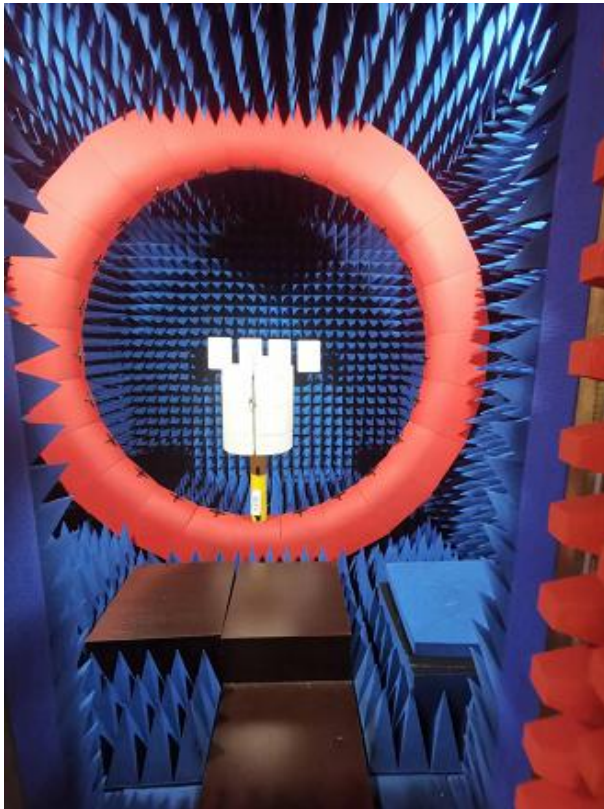
CUSTOMER NAME:	YANSHUO
PRODUCT NAME:	YS-009
XIN HENG YANG P/N:	FPC
WRITED:	HONG.ZHAO
DATE:	2024/03/11

Catalogue

1. Test the dark room profile
2. Machine table pictures
3. Passive data (Efficiency & Average gain)
4. Passive data (Field plot)
5. OTA TEST DATA
6. Antenna position
7. Antenna drawing dimensions

1. Test the dark room profile

1. Active test: Support 2.3.4.5G multi-mode measurement NB-IoT, eMTC, CAT-1, Bluetooth1-5, WIFI802.11 abgn, measurable TRP TIS
2. Passive test: testable gain and efficiency
3. TWS headset test the head model full set



2. Machine table pictures

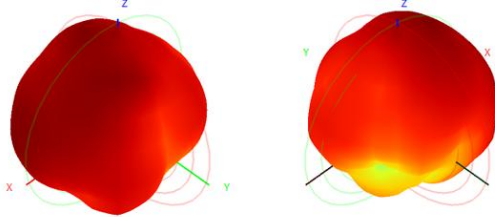


3. Passive data (Efficiency & Average gain)

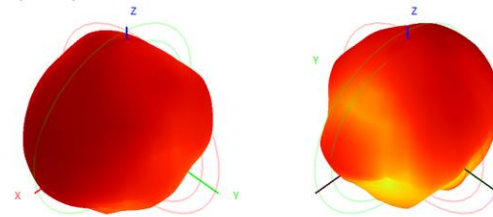
Passive Test For 2400-2500MHz			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	52.29	-2.82	2.52
2410	51.93	-2.85	2.35
2420	52.34	-2.81	2.55
2430	52.66	-2.79	2.69
2440	53.62	-2.71	3.05
2450	52.87	-2.77	3.20
2460	51.59	-2.87	3.36
2470	50.87	-2.94	3.55
2480	50.73	-2.95	3.83
2490	50.39	-2.98	3.18
2500	51.33	-2.90	3.56

4. Passive data (2400–2500 MHz field pattern)

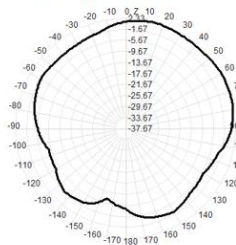
Radiation Patterns (2400MHz)



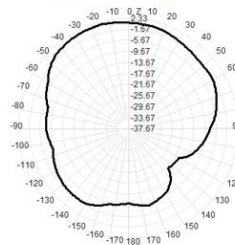
Radiation Patterns (2450MHz)



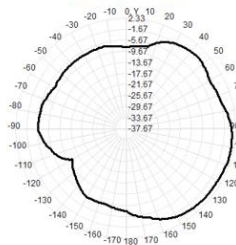
Total(E1-XZ)



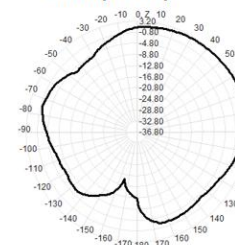
Total(E2-YZ)



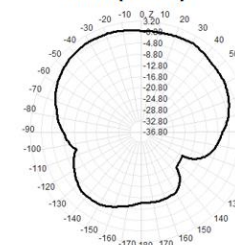
Total(H-XY)



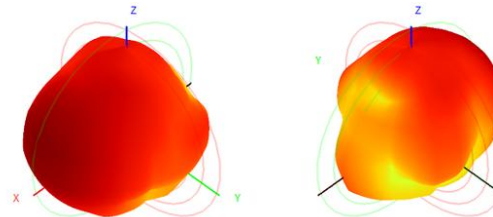
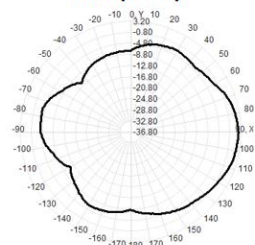
Total(E1-XZ)



Total(E2-YZ)

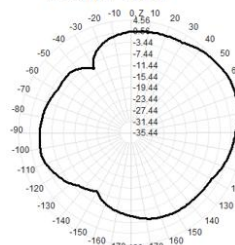


Total(H-XY)

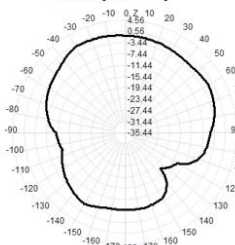


Radiation Patterns (2500MHz)

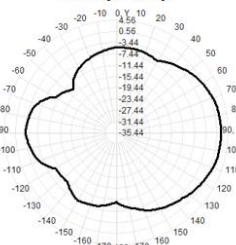
Total(E1-XZ)



Total(E2-YZ)



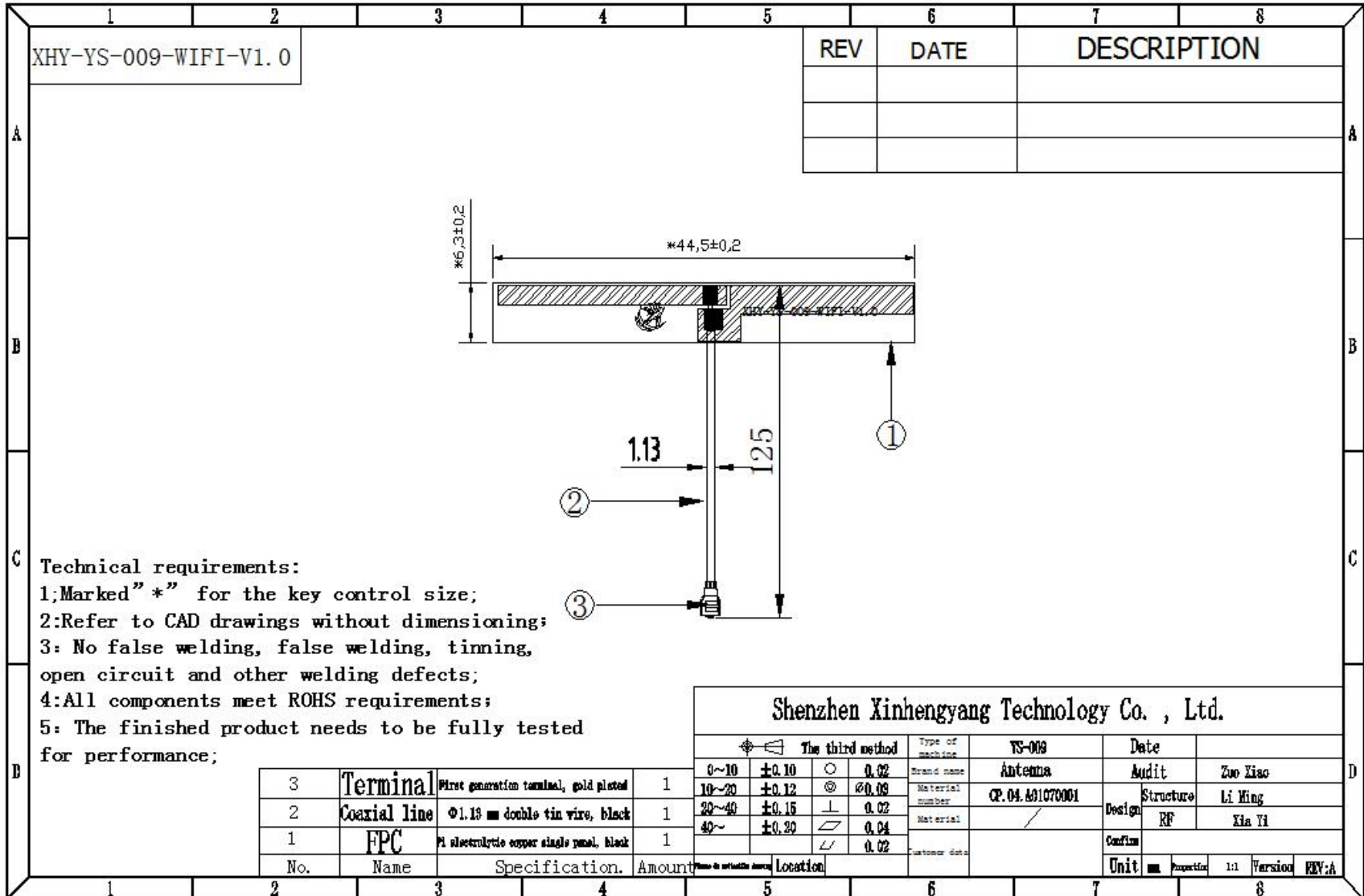
Total(H-XY)



5. OTA TEST DATA

Test Condition		Free Space	
band	Channel	TRP (dBm)	TIS (dBm)
802.11B 11Mbps	1	14.15	-85.81
	6	14.04	-83.03
	11	14.30	-84.21
802.11G 54Mbps	1	11.25	-71.48
	6	12.25	-71.07
	11	14.08	-70.07
802.11N MCS7	1	11.02	-68.71
	6	12.13	-64.74
	11	14.03	-62.68

6. Antenna drawing dimensions





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Thank You

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