

Antenna Test Report



顺达成科技

专业的4G/3G/GPS/WIFI等天线方案设计及供应商



客户名称：思宇星

项目名称：GN10B-156P-SCD-YJS

频段：WIFI2.4G/5.8G/BT

版本：A

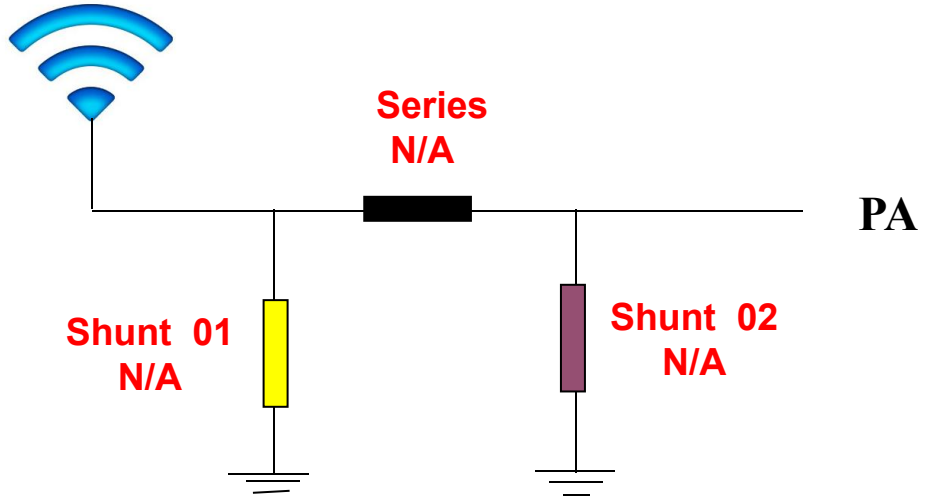
制作日期：2024-3-29



Contents

- 1: Antenna Overview & Dimension
- 2: The test project
 - 2.1 Antenna Matching Network
 - 2.2 VSWR
 - 2.3 Gain & Efficiency
 - 2.4 3D Date
 - 2.5 The Free Space 3D Date/The Free Space 2D Date
- 3 : Ground processing

Antenna



Location	Description
Shunt 01	N/A
Series	N/A
Shunt 02	N/A

Gain & Efficiency-WIFI主



顺达成科技

WIFI Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	42.34	1.41
2450	42.62	1.48
2500	42.54	1.45
5150	39.21	1.29
5700	38.44	1.23
5850	38.12	1.21

Gain & Efficiency-WIFI副



顺达成科技

WIFIFrequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	42. 43	1. 45
2450	42. 34	1. 43
2500	42. 38	1. 44
5150	39. 35	1. 32
5700	39. 14	1. 28
5850	38. 65	1. 24

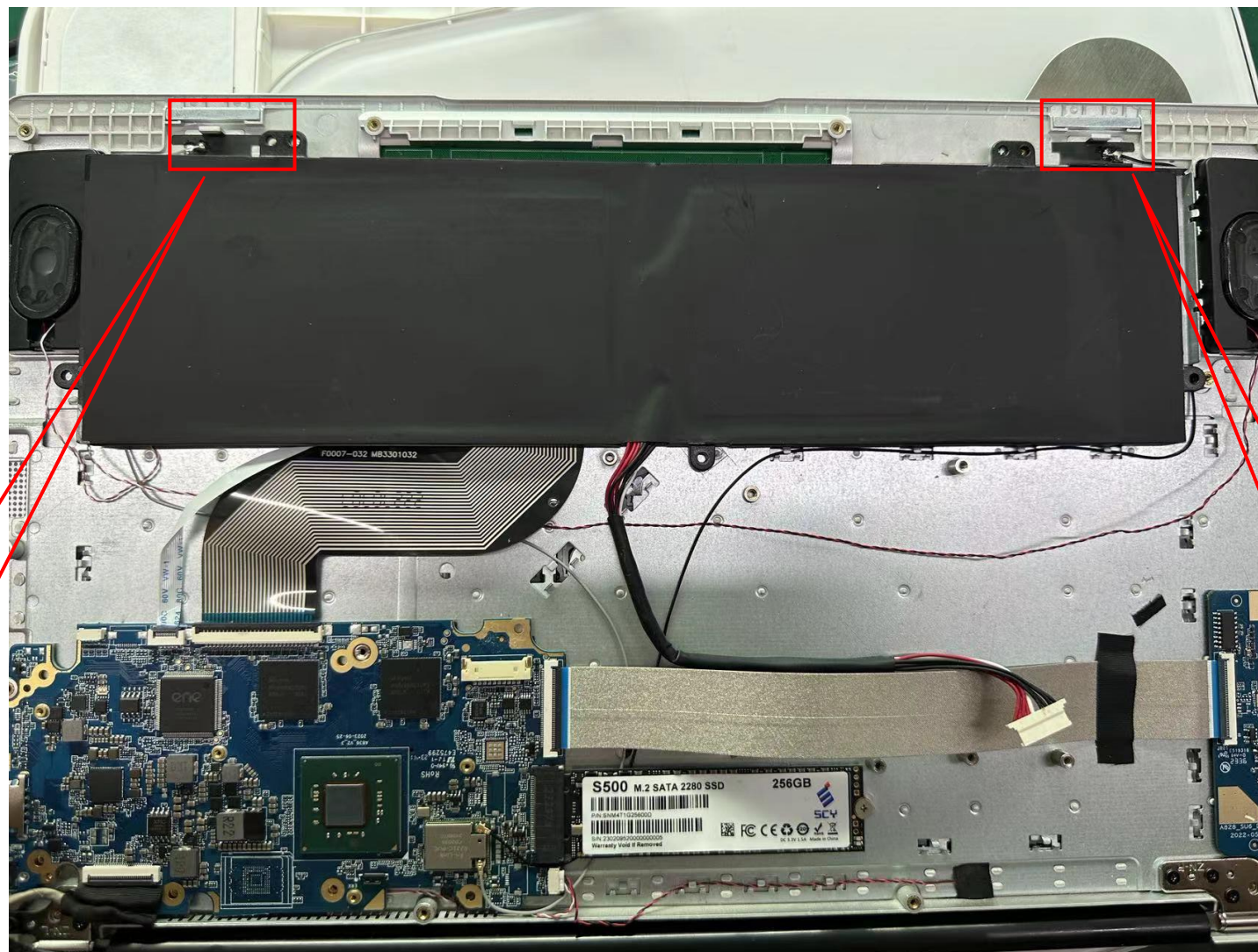


WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	11.23	12.05	12.31
TIS	-80.65	-80.32	-80.46

5G	802.11a, 54M		
Channel	CH36	CH60	CH165
TRP	9.53	9.07	9.56
TIS	-67.68	-67.64	-67.78

天线安装位置图



WIFI副天线

WIFI主天线



Thanks