

深圳市亿圣邦科技有限公司

Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer:卓创

Project: ANB17M2(8821)

Product: WIFI

Report date: 2025-1-10

Prepared by :刘顺

Checked by : 黄震

Approved by : 林美财



Purpose

This report is to measure the performance of SLK for Master Antenna on卓创. All measure data are showed below.

Content

1. Product Overview

2. Test Result

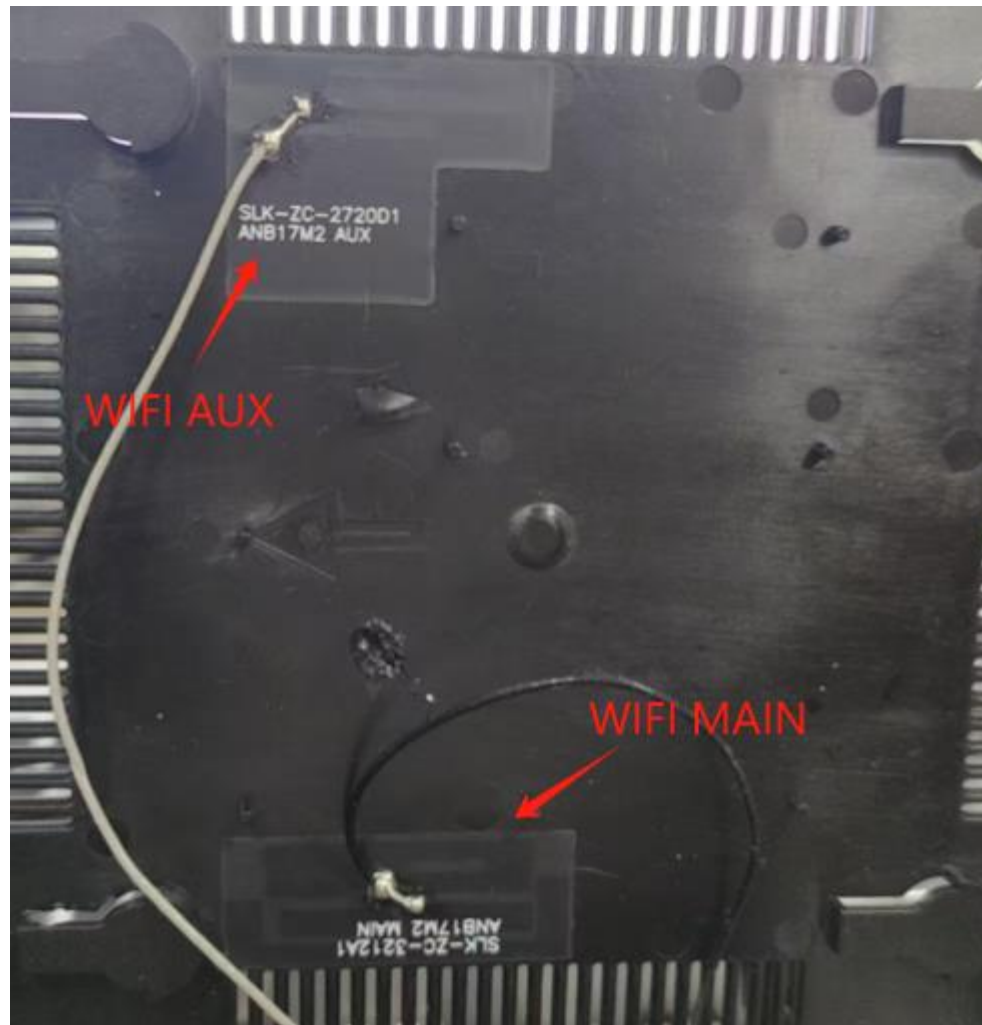
2.1 WIFI MAIN/AUX Antenna VSWR

2.2 WIFI MAIN/AUX Antenna Gain/Efficiency/3D DATA

2.3 WIFI throughput test

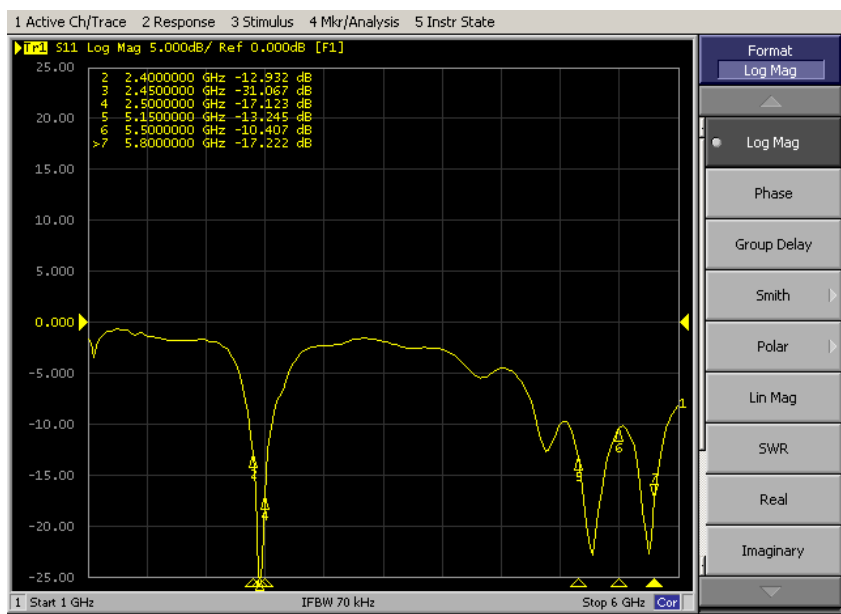
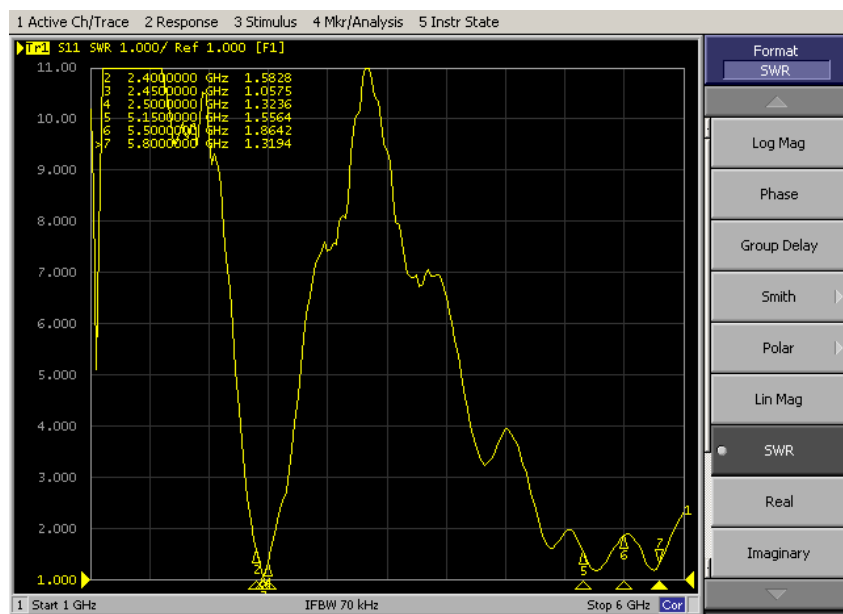
3. Conclusions

1. Product Overview



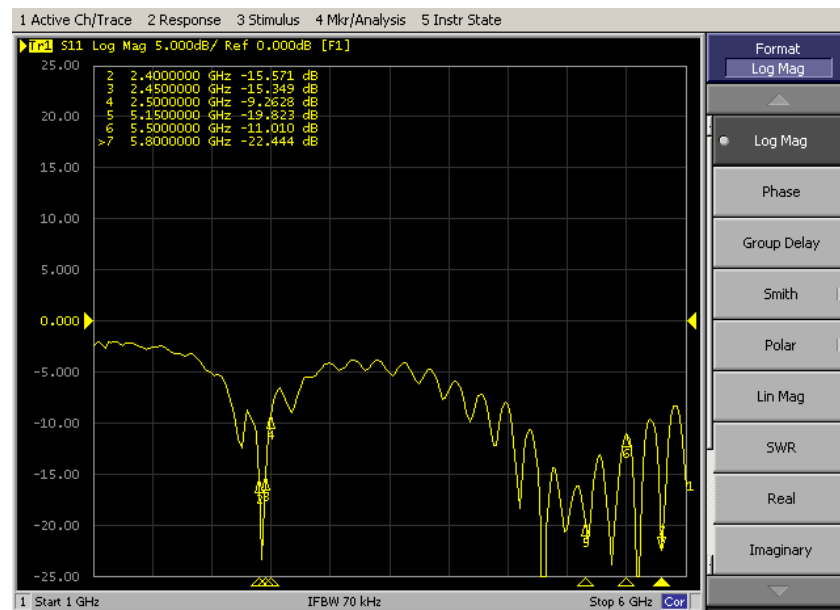
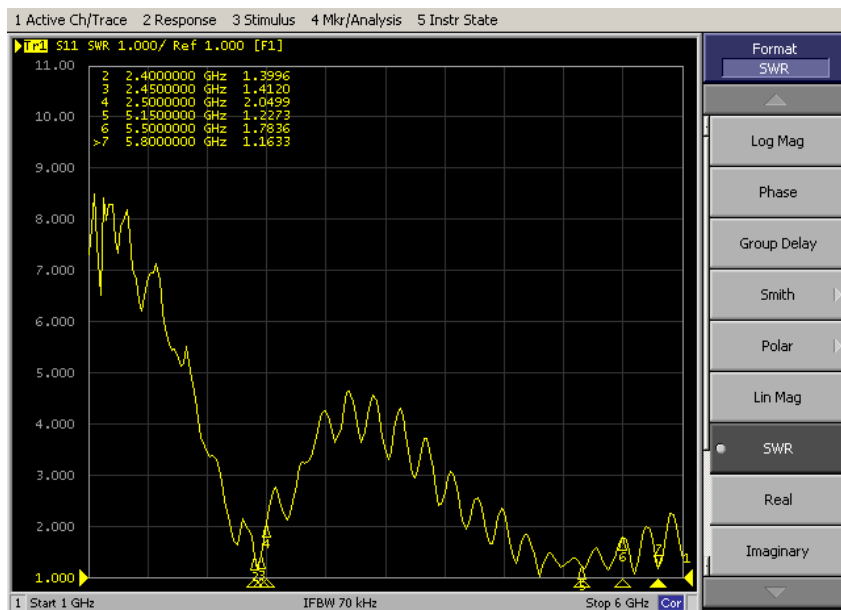
2. Test Result

2.1 WIFI MAIN Antenna VSWR



2. Test Result

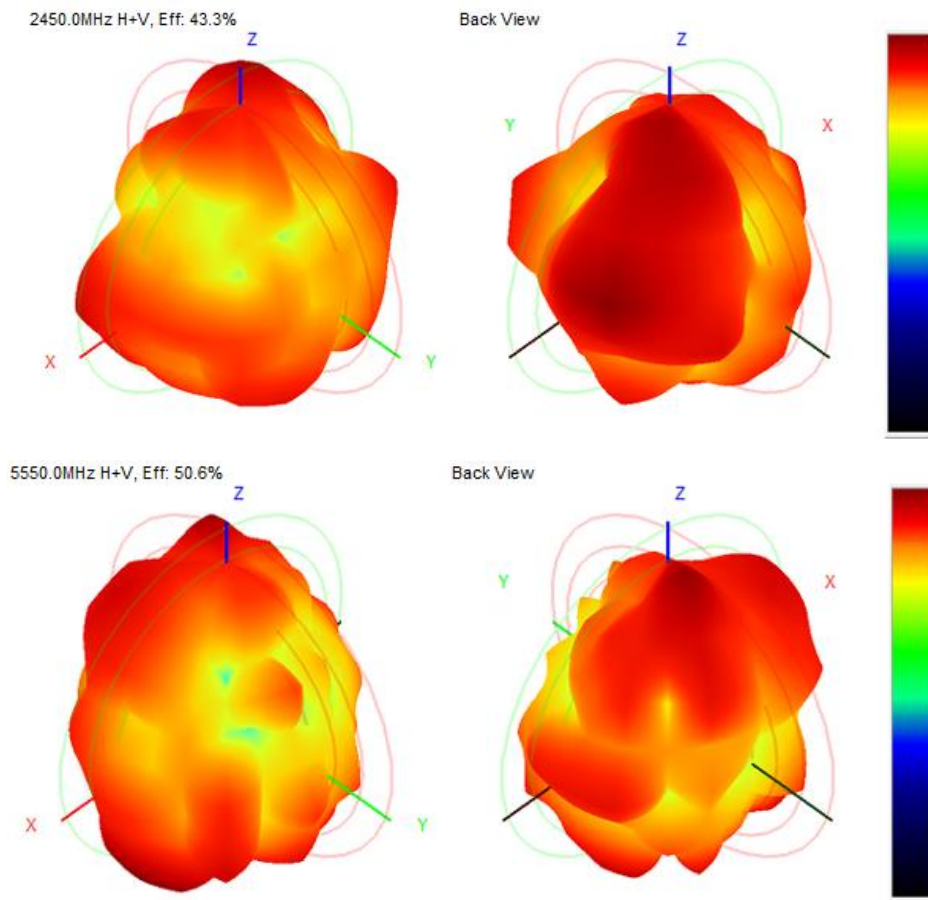
2.1 WIFI AUX Antenna VSWR



2. Test Result

2.2 WIFI MAIN Antenna Gain/Efficiency/3D DATA

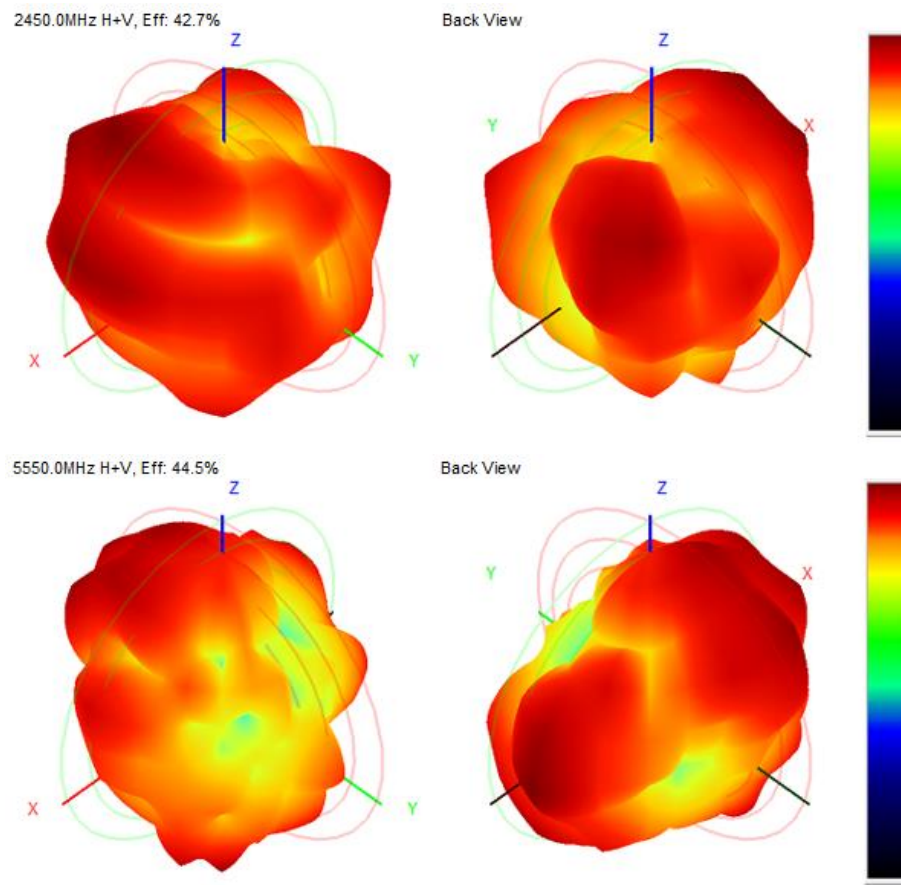
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.52	1.84	44.41
2410	-3.28	1.27	46.90
2420	-3.47	1.35	44.93
2430	-3.94	1.79	40.33
2440	-3.89	1.76	40.79
2450	-3.63	1.39	43.34
2460	-3.45	1.47	45.13
2470	-3.41	1.54	45.59
2480	-3.37	1.53	46.01
2490	-3.45	1.30	45.15
2500	-3.56	1.06	43.98
5150	-3.37	2.93	45.93
5350	-3.31	2.35	46.63
5550	-3.41	2.91	45.60
5850	-3.45	2.70	45.09



2. Test Result

2.2 WIFI AUX Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-4.04	1.18	39.38
2410	-3.95	1.38	40.22
2420	-3.89	1.41	40.80
2430	-3.75	1.19	42.12
2440	-3.82	1.32	41.42
2450	-3.69	1.51	42.68
2460	-3.65	1.82	43.10
2470	-3.75	1.99	42.13
2480	-3.69	1.99	42.72
2490	-3.80	1.02	41.64
2500	-3.83	1.26	41.34
5150	-3.40	2.83	45.64
5350	-3.46	2.99	44.99
5550	-3.52	2.11	44.46
5850	-3.71	2.07	42.49



2. Test Result

2.3 WIFI throughput test

C:\Windows\System32\cmd.exe

[4]	8.01-9.01	sec	16.2 MBytes	137 Mbits/sec
[4]	9.01-10.00	sec	15.6 MBytes	132 Mbits/sec
[4]	10.00-11.01	sec	16.1 MBytes	134 Mbits/sec
[4]	11.01-12.00	sec	15.4 MBytes	130 Mbits/sec
[4]	12.00-13.00	sec	16.5 MBytes	138 Mbits/sec
[4]	13.00-14.01	sec	16.0 MBytes	134 Mbits/sec
[4]	14.01-15.00	sec	15.6 MBytes	132 Mbits/sec
[4]	15.00-16.00	sec	16.1 MBytes	135 Mbits/sec
[4]	16.00-17.00	sec	15.6 MBytes	131 Mbits/sec
[4]	17.00-18.01	sec	15.5 MBytes	129 Mbits/sec
[4]	18.01-19.01	sec	16.2 MBytes	138 Mbits/sec
[4]	19.01-20.00	sec	15.8 MBytes	132 Mbits/sec
[4]	20.00-21.00	sec	15.0 MBytes	126 Mbits/sec
[4]	21.00-22.00	sec	16.0 MBytes	134 Mbits/sec
[4]	22.00-23.00	sec	15.9 MBytes	133 Mbits/sec
[4]	23.00-24.01	sec	16.1 MBytes	135 Mbits/sec
[4]	24.01-25.00	sec	16.6 MBytes	140 Mbits/sec
[4]	25.00-26.01	sec	16.4 MBytes	137 Mbits/sec
[4]	26.01-27.00	sec	15.4 MBytes	130 Mbits/sec
[4]	27.00-28.00	sec	16.5 MBytes	138 Mbits/sec
[4]	28.00-29.00	sec	16.5 MBytes	138 Mbits/sec
[4]	29.00-30.00	sec	16.1 MBytes	136 Mbits/sec

[ID]	Interval		Transfer	Bandwidth
[4]	0.00-30.00	sec	479 MBytes	134 Mbits/sec
[4]	0.00-30.00	sec	479 MBytes	134 Mbits/sec

2.4G暗室测试下载

C:\Windows\System32\cmd.exe

[4]	8.00-9.00	sec	11.6 MBytes	96.9 Mbits/sec
[4]	9.00-10.00	sec	11.3 MBytes	94.5 Mbits/sec
[4]	10.00-11.00	sec	11.2 MBytes	93.9 Mbits/sec
[4]	11.00-12.01	sec	11.4 MBytes	94.4 Mbits/sec
[4]	12.01-13.00	sec	10.4 MBytes	88.3 Mbits/sec
[4]	13.00-14.00	sec	11.4 MBytes	95.7 Mbits/sec
[4]	14.00-15.00	sec	11.4 MBytes	95.9 Mbits/sec
[4]	15.00-16.00	sec	11.7 MBytes	98.0 Mbits/sec
[4]	16.00-17.00	sec	11.1 MBytes	93.3 Mbits/sec
[4]	17.00-18.00	sec	11.3 MBytes	95.0 Mbits/sec
[4]	18.00-19.00	sec	10.8 MBytes	90.7 Mbits/sec
[4]	19.00-20.00	sec	11.5 MBytes	96.5 Mbits/sec
[4]	20.00-21.00	sec	11.4 MBytes	96.1 Mbits/sec
[4]	21.00-22.00	sec	11.5 MBytes	96.6 Mbits/sec
[4]	22.00-23.00	sec	11.3 MBytes	94.8 Mbits/sec
[4]	23.00-24.00	sec	11.4 MBytes	95.7 Mbits/sec
[4]	24.00-25.00	sec	11.3 MBytes	94.9 Mbits/sec
[4]	25.00-26.00	sec	11.6 MBytes	96.9 Mbits/sec
[4]	26.00-27.00	sec	11.1 MBytes	93.0 Mbits/sec
[4]	27.00-28.00	sec	10.5 MBytes	88.3 Mbits/sec
[4]	28.00-29.00	sec	11.4 MBytes	95.7 Mbits/sec
[4]	29.00-30.00	sec	11.5 MBytes	96.9 Mbits/sec

[ID]	Interval		Transfer	Bandwidth
[4]	0.00-30.00	sec	337 MBytes	94.2 Mbits/sec
[4]	0.00-30.00	sec	337 MBytes	94.2 Mbits/sec

2.4G暗室测试上传

2. Test Result

2.3 WIFI throughput test

C:\Windows\System32\cmd.exe

[4]	8.00-9.00	sec	41.4 MBytes	346 Mbits/sec
[4]	9.00-10.00	sec	42.2 MBytes	355 Mbits/sec
[4]	10.00-11.00	sec	41.9 MBytes	351 Mbits/sec
[4]	11.00-12.01	sec	41.6 MBytes	347 Mbits/sec
[4]	12.01-13.01	sec	41.4 MBytes	349 Mbits/sec
[4]	13.01-14.01	sec	41.9 MBytes	351 Mbits/sec
[4]	14.01-15.01	sec	41.9 MBytes	351 Mbits/sec
[4]	15.01-16.01	sec	41.1 MBytes	344 Mbits/sec
[4]	16.01-17.01	sec	42.1 MBytes	352 Mbits/sec
[4]	17.01-18.01	sec	41.1 MBytes	347 Mbits/sec
[4]	18.01-19.00	sec	41.6 MBytes	351 Mbits/sec
[4]	19.00-20.00	sec	42.5 MBytes	356 Mbits/sec
[4]	20.00-21.00	sec	41.9 MBytes	351 Mbits/sec
[4]	21.00-22.00	sec	42.4 MBytes	356 Mbits/sec
[4]	22.00-23.00	sec	41.6 MBytes	349 Mbits/sec
[4]	23.00-24.00	sec	41.9 MBytes	351 Mbits/sec
[4]	24.00-25.00	sec	41.9 MBytes	351 Mbits/sec
[4]	25.00-26.01	sec	41.4 MBytes	346 Mbits/sec
[4]	26.01-27.00	sec	41.9 MBytes	353 Mbits/sec
[4]	27.00-28.01	sec	41.2 MBytes	344 Mbits/sec
[4]	28.01-29.01	sec	42.2 MBytes	354 Mbits/sec
[4]	29.01-30.00	sec	41.9 MBytes	353 Mbits/sec

[ID]	Interval		Transfer	Bandwidth
[4]	0.00-30.00	sec	1.22 GBytes	349 Mbits/sec
[4]	0.00-30.00	sec	1.22 GBytes	349 Mbits/sec

5G暗室测试下载

Windows\System32\cmd.exe

[4]	8.00-9.00	sec	29.5 MBytes	247 Mbits/sec
[4]	9.00-10.00	sec	29.8 MBytes	250 Mbits/sec
[4]	10.00-11.00	sec	29.8 MBytes	250 Mbits/sec
[4]	11.00-12.00	sec	29.6 MBytes	249 Mbits/sec
[4]	12.00-13.00	sec	29.8 MBytes	250 Mbits/sec
[4]	13.00-14.00	sec	29.8 MBytes	250 Mbits/sec
[4]	14.00-15.00	sec	29.8 MBytes	250 Mbits/sec
[4]	15.00-16.00	sec	29.9 MBytes	252 Mbits/sec
[4]	16.00-17.00	sec	29.8 MBytes	250 Mbits/sec
[4]	17.00-18.00	sec	29.6 MBytes	248 Mbits/sec
[4]	18.00-19.00	sec	29.7 MBytes	249 Mbits/sec
[4]	19.00-20.00	sec	30.0 MBytes	251 Mbits/sec
[4]	20.00-21.00	sec	29.4 MBytes	247 Mbits/sec
[4]	21.00-22.00	sec	29.5 MBytes	248 Mbits/sec
[4]	22.00-23.00	sec	29.8 MBytes	250 Mbits/sec
[4]	23.00-24.00	sec	29.6 MBytes	248 Mbits/sec
[4]	24.00-25.00	sec	29.6 MBytes	249 Mbits/sec
[4]	25.00-26.00	sec	29.8 MBytes	250 Mbits/sec
[4]	26.00-27.00	sec	29.7 MBytes	249 Mbits/sec
[4]	27.00-28.00	sec	29.5 MBytes	248 Mbits/sec
[4]	28.00-29.00	sec	29.5 MBytes	248 Mbits/sec
[4]	29.00-30.00	sec	29.7 MBytes	249 Mbits/sec

[ID]	Interval		Transfer	Bandwidth
[4]	0.00-30.00	sec	891 MBytes	249 Mbits/sec
[4]	0.00-30.00	sec	891 MBytes	249 Mbits/sec

5G暗室测试上传

3. Conclusions

谢谢！