

深圳市亿圣邦科技有限公司

Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer: 纳斯达

Project: NK10124

Product: WIFI

Report date: 2024-09-26

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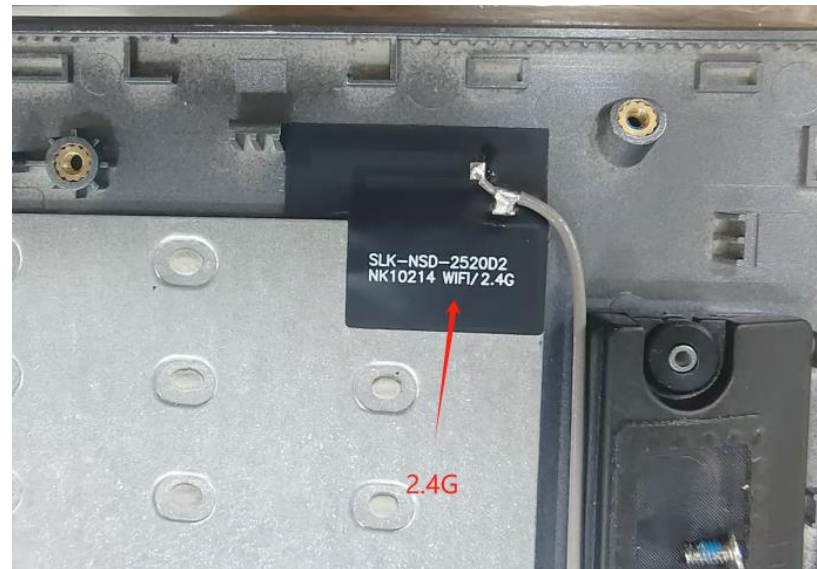
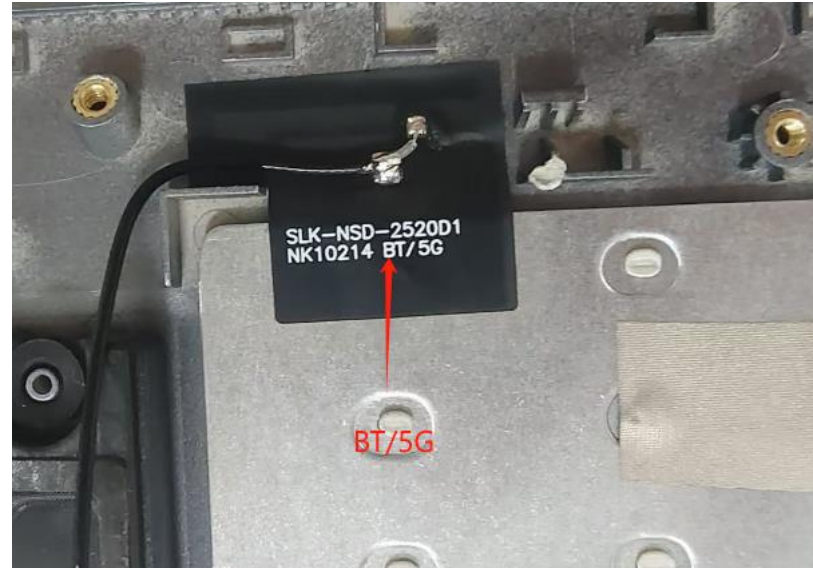
Purpose

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

Content

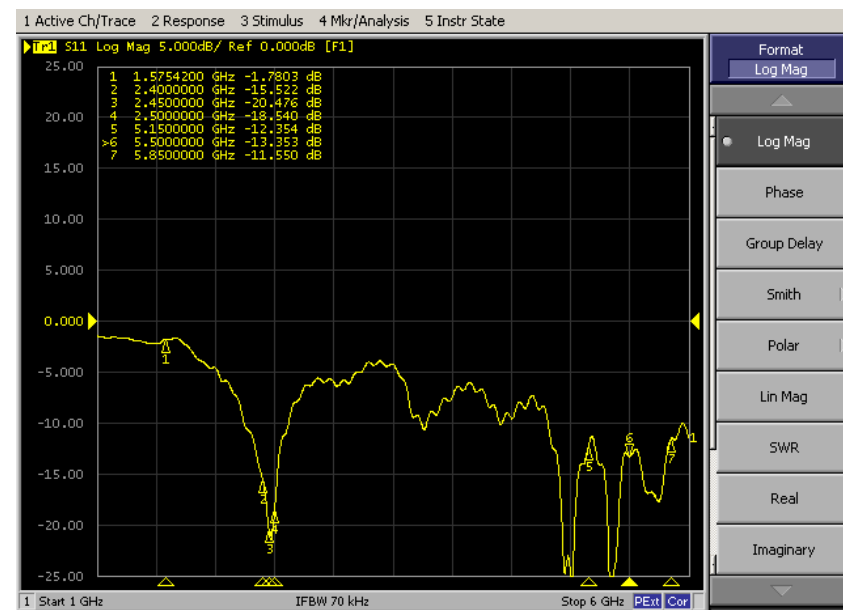
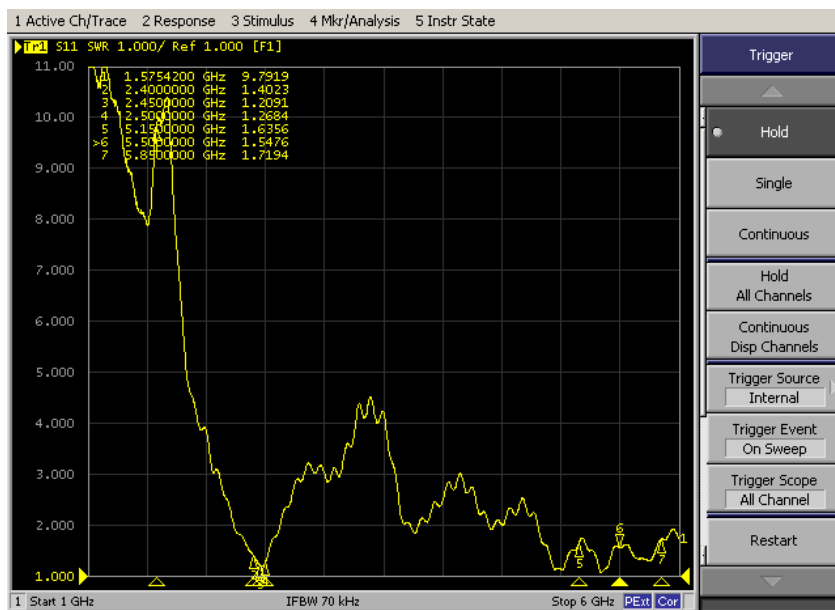
1. Product Overview
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1. Product Overview



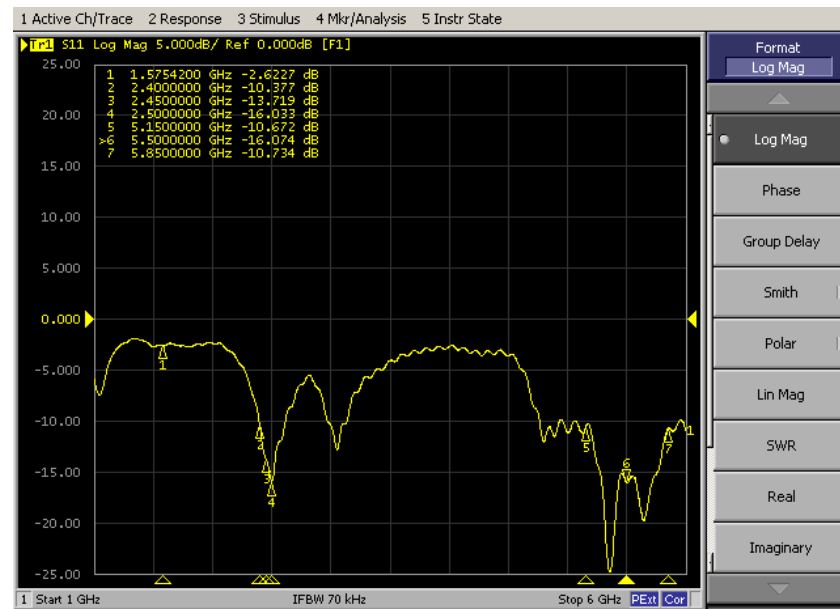
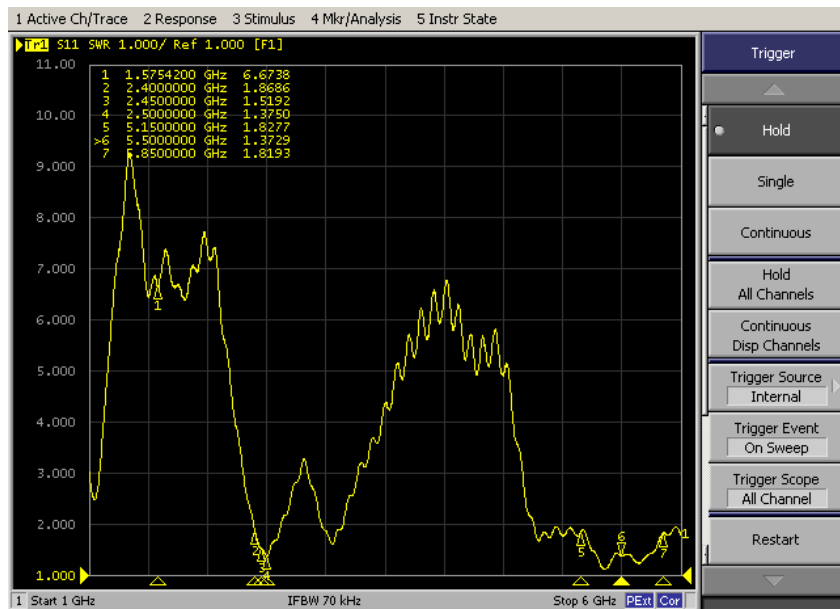
2. Test Result

2.1 WIFI MAIN Antenna VSWR



2. Test Result

2.1 WIFI AUX Antenna VSWR



2. Test Result

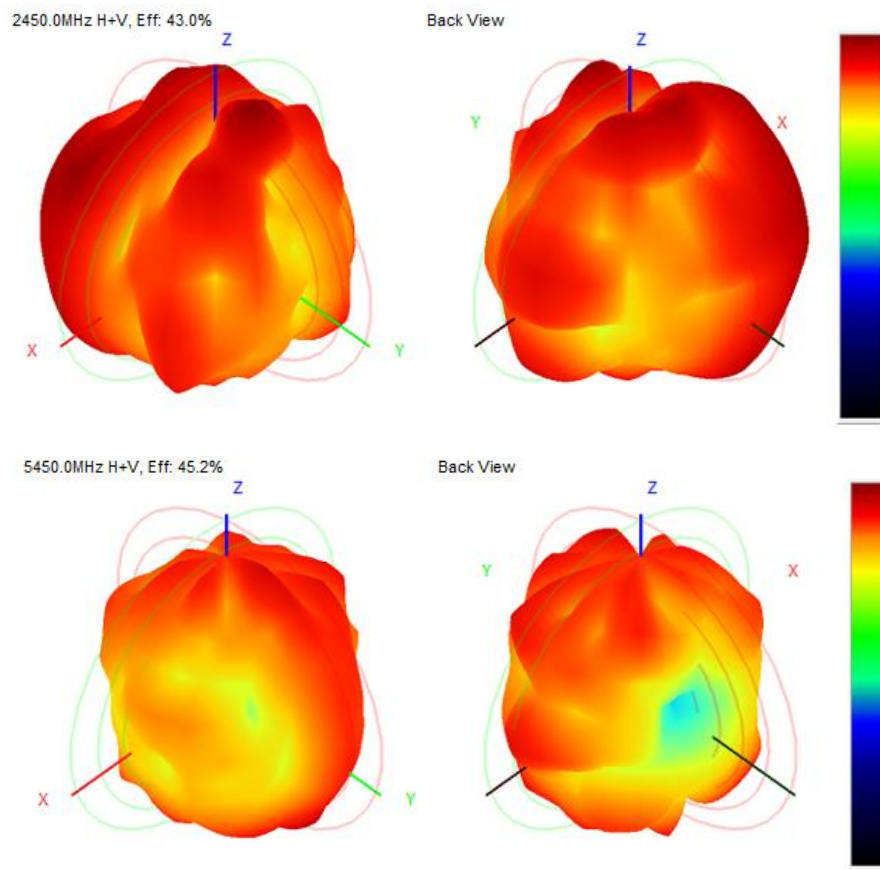
2.3 WIFI Antenna TRP/TIS

WIFI有源测试			
频段	1	6	11
B-TRP-11MBps	13.87	13.54	12.89
B-TIS-11MBps	-79.94	-80.06	-80.23
G-TRP-54MBps	12.50	12.37	11.96
G-TIS-54MBps	-67.43	-67.88	-67.86
N-TRP-MCS7	12.09	12.31	12.04
N-TIS-MCS7	-64.95	-64.38	-64.52
频段	36	149	165
A-TRP-54MBps	10.55	9.59	10.09
A-TIS-54MBps	-70.67	-70.43	-70.41

2. Test Result

2.4 WIFI MAIN Antenna Gain/Efficiency/3D DATA

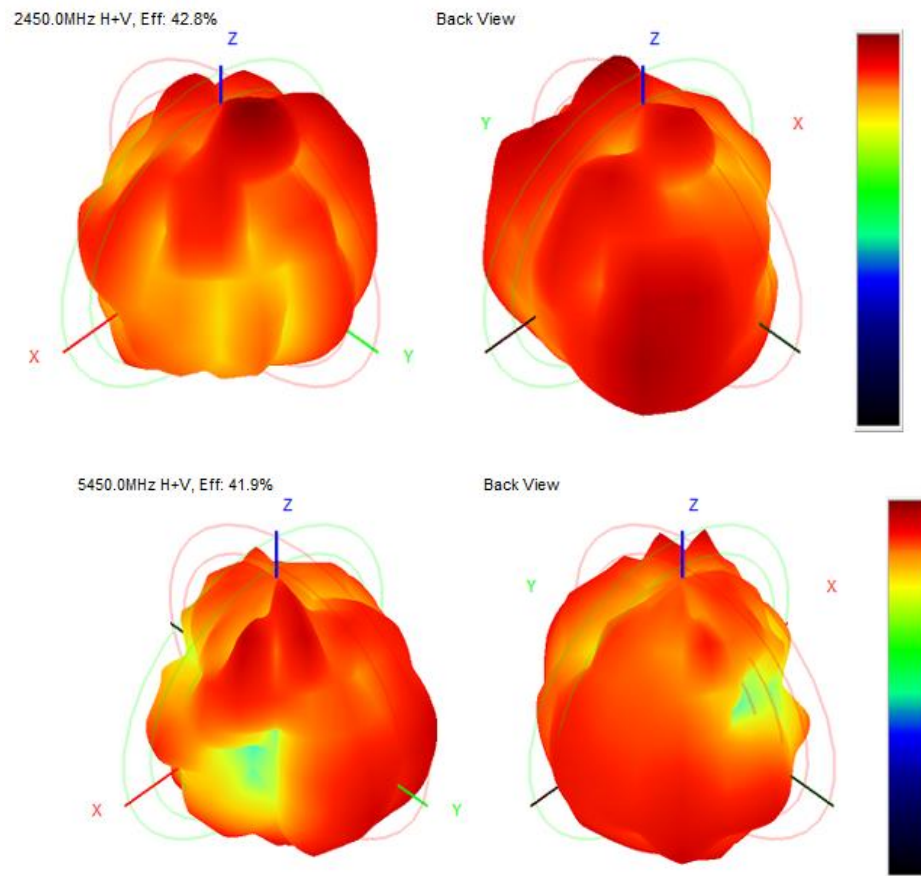
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.39	1.58	45.74
2410	-3.34	1.67	46.27
2420	-3.44	1.52	45.28
2430	-3.40	1.66	45.63
2440	-3.65	1.43	43.06
2450	-3.66	1.16	43.05
2460	-3.65	1.27	43.09
2470	-3.43	1.84	45.34
2480	-3.23	1.47	47.43
2490	-3.45	1.40	45.13
2500	-3.65	1.20	43.12
5150	-3.19	2.89	47.92
5250	-3.32	2.41	46.49
5450	-3.44	2.49	45.21
5850	-3.12	2.33	48.73



2. Test Result

2.4 WIFI AUX Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.81	1.22	41.60
2410	-3.60	1.46	43.65
2420	-3.34	1.85	42.36
2430	-3.26	1.25	44.18
2440	-3.26	1.59	44.24
2450	-3.29	1.91	42.83
2460	-3.28	1.81	43.01
2470	-3.45	1.56	41.17
2480	-3.33	1.24	42.42
2490	-3.42	1.80	42.51
2500	-3.61	1.57	43.54
5150	-5.25	2.13	39.87
5250	-4.84	2.18	39.77
5450	-3.78	2.36	41.89
5850	-4.00	2.51	39.82



2. Test Result

2.5 WIFI throughput test

4]	2.00-3.00	sec	7.64 MBytes	64.0 Mbits/sec
4]	3.00-4.00	sec	6.12 MBytes	51.3 Mbits/sec
4]	4.00-5.00	sec	6.98 MBytes	58.6 Mbits/sec
4]	5.00-6.00	sec	8.43 MBytes	70.7 Mbits/sec
4]	6.00-7.00	sec	8.65 MBytes	72.6 Mbits/sec
4]	7.00-8.00	sec	6.55 MBytes	54.9 Mbits/sec
4]	8.00-9.00	sec	5.21 MBytes	43.7 Mbits/sec
4]	9.00-10.00	sec	8.40 MBytes	70.5 Mbits/sec
4]	10.00-11.00	sec	8.62 MBytes	72.3 Mbits/sec
4]	11.00-12.00	sec	8.88 MBytes	74.5 Mbits/sec
4]	12.00-13.00	sec	7.91 MBytes	66.3 Mbits/sec
4]	13.00-14.00	sec	8.05 MBytes	67.5 Mbits/sec
4]	14.00-15.00	sec	8.17 MBytes	68.5 Mbits/sec
4]	15.00-16.00	sec	5.70 MBytes	47.8 Mbits/sec
4]	16.00-17.00	sec	8.55 MBytes	71.7 Mbits/sec
4]	17.00-18.00	sec	8.50 MBytes	71.3 Mbits/sec
4]	18.00-19.00	sec	8.07 MBytes	67.7 Mbits/sec
4]	19.00-20.00	sec	7.72 MBytes	64.8 Mbits/sec
4]	20.00-21.00	sec	8.74 MBytes	73.3 Mbits/sec
4]	21.00-22.00	sec	8.91 MBytes	74.7 Mbits/sec
4]	22.00-23.00	sec	5.74 MBytes	48.1 Mbits/sec
4]	23.00-24.00	sec	3.07 MBytes	25.7 Mbits/sec
4]	24.00-25.00	sec	8.32 MBytes	69.8 Mbits/sec
4]	25.00-26.00	sec	8.19 MBytes	68.7 Mbits/sec
4]	26.00-27.00	sec	6.52 MBytes	54.7 Mbits/sec
4]	27.00-28.00	sec	9.13 MBytes	76.6 Mbits/sec
4]	28.00-29.00	sec	6.98 MBytes	58.6 Mbits/sec
4]	29.00-30.00	sec	8.16 MBytes	68.4 Mbits/sec

[ID]	Interval		Transfer	Bandwidth
[4]	0.00-30.00	sec	230 MBytes	64.3 Mbits/sec
[4]	0.00-30.00	sec	230 MBytes	64.3 Mbits/sec

2.4G十米下载

4]	2.00-3.00	sec	4.38 MBytes	36.7 Mbits/sec
4]	3.00-4.00	sec	8.75 MBytes	73.4 Mbits/sec
4]	4.00-5.00	sec	7.38 MBytes	61.9 Mbits/sec
4]	5.00-6.00	sec	7.00 MBytes	58.7 Mbits/sec
4]	6.00-7.00	sec	6.38 MBytes	53.5 Mbits/sec
4]	7.00-8.00	sec	8.25 MBytes	69.2 Mbits/sec
4]	8.00-9.00	sec	8.00 MBytes	67.0 Mbits/sec
4]	9.00-10.00	sec	7.12 MBytes	59.8 Mbits/sec
4]	10.00-11.00	sec	7.50 MBytes	62.9 Mbits/sec
4]	11.00-12.00	sec	7.75 MBytes	65.1 Mbits/sec
4]	12.00-13.00	sec	7.00 MBytes	58.7 Mbits/sec
4]	13.00-14.00	sec	6.50 MBytes	54.5 Mbits/sec
4]	14.00-15.00	sec	4.25 MBytes	35.6 Mbits/sec
4]	15.00-16.00	sec	5.88 MBytes	49.2 Mbits/sec
4]	16.00-17.00	sec	5.62 MBytes	47.2 Mbits/sec
4]	17.00-18.00	sec	3.88 MBytes	32.5 Mbits/sec
4]	18.00-19.00	sec	8.12 MBytes	68.2 Mbits/sec
4]	19.00-20.00	sec	8.12 MBytes	68.1 Mbits/sec
4]	20.00-21.00	sec	8.25 MBytes	69.2 Mbits/sec
4]	21.00-22.00	sec	7.00 MBytes	58.7 Mbits/sec
4]	22.00-23.00	sec	8.12 MBytes	68.1 Mbits/sec
4]	23.00-24.00	sec	8.00 MBytes	67.1 Mbits/sec
4]	24.00-25.00	sec	7.75 MBytes	65.0 Mbits/sec
4]	25.00-26.00	sec	7.88 MBytes	66.1 Mbits/sec
4]	26.00-27.00	sec	6.38 MBytes	53.5 Mbits/sec
4]	27.00-28.00	sec	6.25 MBytes	52.4 Mbits/sec
4]	28.00-29.00	sec	6.38 MBytes	53.5 Mbits/sec
4]	29.00-30.00	sec	6.88 MBytes	57.6 Mbits/sec

[ID]	Interval		Transfer	Bandwidth
[4]	0.00-30.00	sec	210 MBytes	58.8 Mbits/sec
[4]	0.00-30.00	sec	209 MBytes	58.6 Mbits/sec

2.4G十米上传

2. Test Result

2.5 WIFI throughput test

[4]	2.00-3.00	sec	36.9 MBytes	309 Mbits/sec
[4]	3.00-4.00	sec	38.4 MBytes	322 Mbits/sec
[4]	4.00-5.00	sec	40.4 MBytes	339 Mbits/sec
[4]	5.00-6.00	sec	39.1 MBytes	328 Mbits/sec
[4]	6.00-7.00	sec	37.1 MBytes	311 Mbits/sec
[4]	7.00-8.00	sec	38.6 MBytes	324 Mbits/sec
[4]	8.00-9.00	sec	37.2 MBytes	313 Mbits/sec
[4]	9.00-10.00	sec	38.8 MBytes	324 Mbits/sec
[4]	10.00-11.00	sec	39.6 MBytes	333 Mbits/sec
[4]	11.00-12.00	sec	33.0 MBytes	277 Mbits/sec
[4]	12.00-13.00	sec	38.0 MBytes	319 Mbits/sec
[4]	13.00-14.00	sec	38.5 MBytes	323 Mbits/sec
[4]	14.00-15.00	sec	38.1 MBytes	320 Mbits/sec
[4]	15.00-16.00	sec	39.1 MBytes	328 Mbits/sec
[4]	16.00-17.00	sec	39.8 MBytes	333 Mbits/sec
[4]	17.00-18.00	sec	40.8 MBytes	341 Mbits/sec
[4]	18.00-19.00	sec	40.5 MBytes	340 Mbits/sec
[4]	19.00-20.00	sec	40.9 MBytes	343 Mbits/sec
[4]	20.00-21.00	sec	41.0 MBytes	344 Mbits/sec
[4]	21.00-22.00	sec	39.6 MBytes	332 Mbits/sec
[4]	22.00-23.00	sec	40.8 MBytes	342 Mbits/sec
[4]	23.00-24.00	sec	39.6 MBytes	332 Mbits/sec
[4]	24.00-25.00	sec	40.0 MBytes	336 Mbits/sec
[4]	25.00-26.00	sec	41.9 MBytes	351 Mbits/sec
[4]	26.00-27.00	sec	39.2 MBytes	329 Mbits/sec
[4]	27.00-28.00	sec	39.9 MBytes	335 Mbits/sec
[4]	28.00-29.00	sec	40.8 MBytes	342 Mbits/sec
[4]	29.00-30.00	sec	41.6 MBytes	349 Mbits/sec

[ID]	Interval		Transfer	Bandwidth
[4]	0.00-30.00	sec	1.14 GBytes	326 Mbits/sec
[4]	0.00-30.00	sec	1.14 GBytes	326 Mbits/sec

5G十米下载

[4]	2.00-3.00	sec	29.6 MBytes	248 Mbits/sec
[4]	3.00-4.00	sec	29.4 MBytes	246 Mbits/sec
[4]	4.00-5.00	sec	30.3 MBytes	254 Mbits/sec
[4]	5.00-6.00	sec	30.1 MBytes	252 Mbits/sec
[4]	6.00-7.00	sec	29.7 MBytes	249 Mbits/sec
[4]	7.00-8.00	sec	29.1 MBytes	244 Mbits/sec
[4]	8.00-9.00	sec	29.4 MBytes	247 Mbits/sec
[4]	9.00-10.00	sec	30.4 MBytes	255 Mbits/sec
[4]	10.00-11.00	sec	30.1 MBytes	252 Mbits/sec
[4]	11.00-12.00	sec	29.1 MBytes	244 Mbits/sec
[4]	12.00-13.00	sec	30.1 MBytes	252 Mbits/sec
[4]	13.00-14.00	sec	30.1 MBytes	252 Mbits/sec
[4]	14.00-15.00	sec	29.4 MBytes	247 Mbits/sec
[4]	15.00-16.00	sec	29.0 MBytes	243 Mbits/sec
[4]	16.00-17.00	sec	30.5 MBytes	256 Mbits/sec
[4]	17.00-18.00	sec	30.5 MBytes	256 Mbits/sec
[4]	18.00-19.00	sec	30.4 MBytes	255 Mbits/sec
[4]	19.00-20.00	sec	30.4 MBytes	255 Mbits/sec
[4]	20.00-21.00	sec	30.6 MBytes	257 Mbits/sec
[4]	21.00-22.00	sec	29.6 MBytes	249 Mbits/sec
[4]	22.00-23.00	sec	29.6 MBytes	248 Mbits/sec
[4]	23.00-24.00	sec	29.7 MBytes	249 Mbits/sec
[4]	24.00-25.00	sec	29.8 MBytes	250 Mbits/sec
[4]	25.00-26.00	sec	30.3 MBytes	254 Mbits/sec
[4]	26.00-27.00	sec	30.2 MBytes	253 Mbits/sec
[4]	27.00-28.00	sec	28.7 MBytes	241 Mbits/sec
[4]	28.00-29.00	sec	29.3 MBytes	245 Mbits/sec
[4]	29.00-30.00	sec	27.6 MBytes	232 Mbits/sec

[ID]	Interval		Transfer	Bandwidth
[4]	0.00-30.00	sec	893 MBytes	250 Mbits/sec
[4]	0.00-30.00	sec	893 MBytes	250 Mbits/sec

5G十米上传

3. Conclusions

谢谢！