



auden^o

耀登电通科技(深圳)有限公司

Auden Communications & Multimedia Techno (Shenzhen) Co., Ltd

N23 天线报告

Antenna Evaluating Report

Contact Information:

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Checked By :

Date of Report:

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報告紀錄 / Report History



| Date | Rev | Description |
|------------|-----|-------------|
| 2016/10/24 | V01 | 样机调试WIFI |
| 2016/11/09 | V02 | 试产机器调试 |
| 2016/01/16 | V03 | 测试数据 |
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天线模拟评估 / Antenna Measurement



主天线效率以及增益

| Main-Ant Freq | Close | | NB | | Pad | |
|------------------|-------|------------|------|------------|------|------------|
| | Gain | Efficiency | Gain | Efficiency | Gain | Efficiency |
| 2400 | 0.63 | 20.39 | 3.11 | 43.94 | 0.18 | 27.96 |
| 2410 | 0.92 | 20.46 | 3.48 | 45.87 | 0.23 | 28.57 |
| 2420 | 0.78 | 19.02 | 3.74 | 47.22 | 0.21 | 30.87 |
| 2430 | 1.19 | 20.21 | 3.92 | 47.88 | 0.45 | 31.09 |
| 2440 | 1.35 | 22.64 | 4.20 | 52.32 | 0.65 | 32.09 |
| 2450 | 1.17 | 23.42 | 4.03 | 53.87 | 0.84 | 32.73 |
| 2460 | 1.24 | 23.22 | 3.58 | 52.82 | 0.48 | 31.15 |
| 2470 | 1.13 | 22.29 | 3.38 | 53.47 | 0.51 | 32.49 |
| 2480 | 1.13 | 21.40 | 2.95 | 48.94 | 0.47 | 29.97 |
| 5150 | 0.45 | 23.41 | 1.16 | 32.34 | 2.33 | 30.96 |
| 5200 | 0.22 | 23.33 | 1.76 | 33.32 | 2.09 | 32.77 |
| 5250 | 0.19 | 24.40 | 1.86 | 37.23 | 2.09 | 33.73 |
| 5300 | 0.24 | 23.85 | 1.31 | 37.16 | 1.80 | 35.07 |
| 5350 | -0.39 | 23.23 | 1.46 | 34.78 | 1.22 | 33.27 |
| 5400 | 0.16 | 23.53 | 0.83 | 33.58 | 0.32 | 31.07 |
| 5450 | -0.63 | 23.87 | 1.24 | 32.72 | 0.44 | 30.31 |
| 5500 | -0.99 | 22.98 | 0.67 | 32.28 | 1.33 | 29.99 |
| 5550 | -0.22 | 22.14 | 1.62 | 35.77 | 2.15 | 34.24 |
| 5600 | 0.11 | 23.65 | 1.78 | 36.64 | 2.18 | 35.56 |
| 5650 | 0.84 | 25.35 | 2.75 | 37.84 | 1.88 | 36.00 |
| 5700 | 1.62 | 25.63 | 1.88 | 37.66 | 2.37 | 36.80 |
| 5750 | 2.19 | 25.00 | 1.34 | 37.84 | 1.91 | 36.47 |
| 5800 | 1.85 | 24.35 | 1.67 | 34.19 | 1.60 | 31.33 |
| 5850 | 1.50 | 23.57 | 1.26 | 35.83 | 2.57 | 33.15 |
| 5875 | 1.59 | 23.36 | 1.91 | 35.97 | 2.58 | 34.11 |

天线模拟评估 / Antenna Measurement



副天线效率以及增益

| Aux-Ant | Close | | NB | | Pad | |
|---------|-------|------------|-------|------------|------|------------|
| Freq | Gain | Efficiency | Gain | Efficiency | Gain | Efficiency |
| 2400 | -0.50 | 15.84 | 3.45 | 48.74 | 2.74 | 30.23 |
| 2410 | -0.22 | 16.92 | 3.46 | 49.89 | 2.33 | 30.84 |
| 2420 | -0.08 | 15.78 | 3.18 | 46.71 | 1.97 | 30.47 |
| 2430 | 0.33 | 16.70 | 2.93 | 46.91 | 2.09 | 31.03 |
| 2440 | 0.45 | 16.83 | 2.77 | 48.73 | 1.85 | 29.07 |
| 2450 | 0.47 | 15.80 | 2.74 | 48.82 | 2.32 | 31.36 |
| 2460 | -0.18 | 16.27 | 2.41 | 48.51 | 2.52 | 32.10 |
| 2470 | -0.22 | 16.48 | 2.31 | 47.60 | 2.95 | 32.46 |
| 2480 | -0.47 | 15.97 | 2.48 | 46.53 | 2.92 | 30.69 |
| 5150 | -0.47 | 22.39 | 1.13 | 30.10 | 2.55 | 28.97 |
| 5200 | -0.73 | 22.78 | 0.71 | 30.88 | 2.32 | 28.14 |
| 5250 | 0.19 | 23.55 | 0.33 | 31.08 | 2.35 | 30.58 |
| 5300 | 0.54 | 24.94 | 0.73 | 32.91 | 2.49 | 31.64 |
| 5350 | 0.34 | 24.49 | 1.66 | 32.79 | 2.54 | 30.01 |
| 5400 | -0.18 | 23.73 | 1.16 | 31.92 | 1.83 | 28.56 |
| 5450 | -0.58 | 24.64 | 0.52 | 29.52 | 1.32 | 26.09 |
| 5500 | -0.77 | 18.75 | -0.28 | 27.48 | 1.26 | 25.01 |
| 5550 | 0.25 | 19.98 | 0.51 | 30.27 | 2.08 | 27.14 |
| 5600 | 1.15 | 20.92 | 0.78 | 31.18 | 1.74 | 28.44 |
| 5650 | 0.98 | 21.13 | 0.58 | 33.38 | 1.69 | 29.73 |
| 5700 | 1.10 | 21.80 | 0.65 | 34.12 | 1.46 | 30.51 |
| 5750 | 0.48 | 20.41 | 0.88 | 33.73 | 1.13 | 29.24 |
| 5800 | -0.52 | 18.30 | 1.35 | 32.72 | 0.75 | 28.21 |
| 5850 | -0.17 | 18.39 | 1.43 | 31.92 | 0.69 | 27.82 |
| 5875 | -0.39 | 19.83 | 1.45 | 32.05 | 0.83 | 28.19 |



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Thank You



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