

耀登电通科技(昆山)有限公司

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

SR30报告

Antenna Evaluating Report

Prepared By:

weifan. fan

Weifan Fan

Singer mao

Checked By :

Jianjun Mao

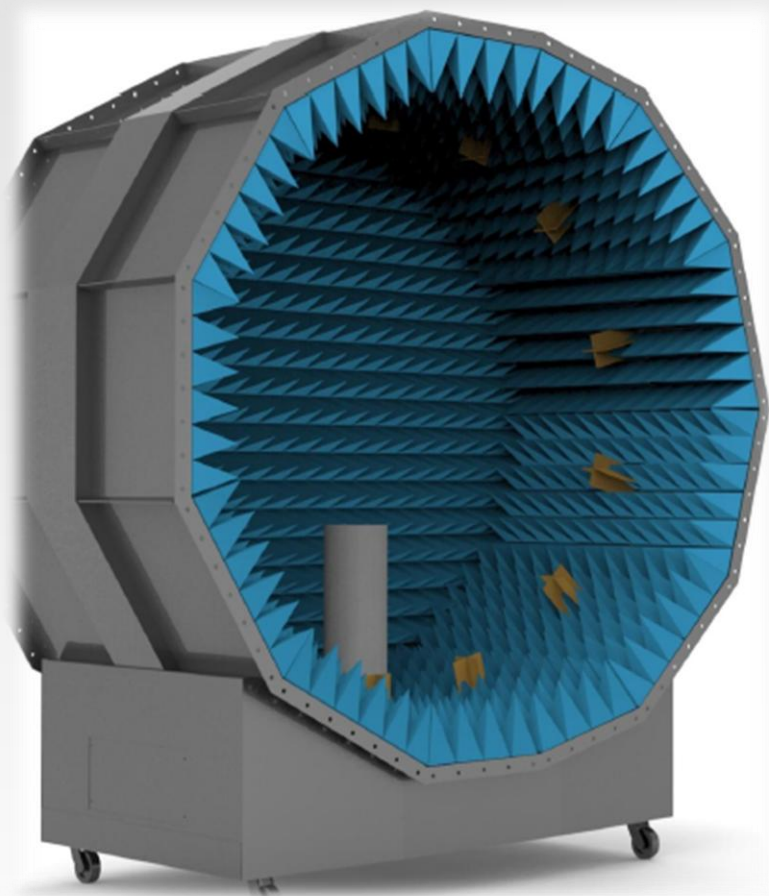


Date	Rev	Description
2023-01-07	01	调试



Frequency Range

使用系统	Band	使用系统	Band
GSM		WIFI / BT	2.4G~2.5G
WCDMA		全球定位	GPS/BD
TD-SCDMA		FM	
CDMA		Others	
FDD LTE			
TDD LTE			



- Chamber : GTS Rayzone1800
- 网络分析仪 : Agilent E5071C
- 2G/3G综测仪 : Agilent 8960
- LTE综测仪 : Anritsu MT8820
- TD综测仪 : StarPoint SP6010
- WIFI综测仪 : Anritsu MT8860
- GPS信号源 : Agilent E4438C



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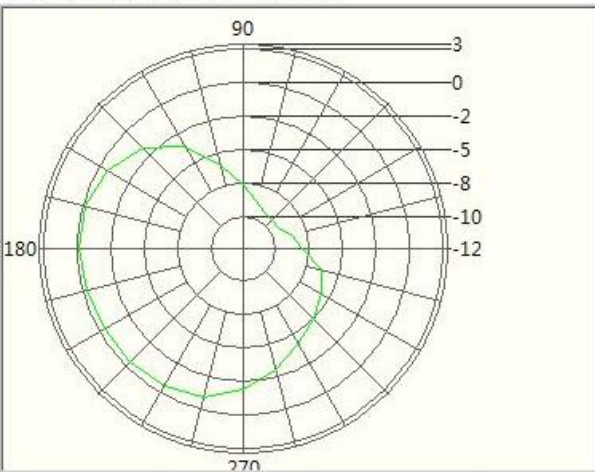


Frequency	Efficiency Total (%)	Gain Total (dBi)
2.4G	42.76	0.97
2.41G	44.46	0.98
2.42G	44.36	0.86
2.43G	47.53	1.05
2.44G	44.98	0.7
2.45G	44.46	0.61
2.46G	48.75	0.95
2.47G	49.89	1
2.48G	49.66	0.93
2.49G	47.53	0.74
2.5G	42.95	0.22

BT antenna 2D diagram

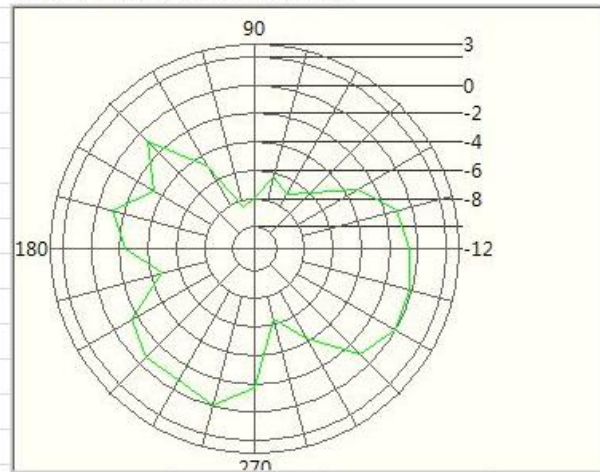
2.4GHz H

Excel XY Plot (Value dB / Angle deg.)



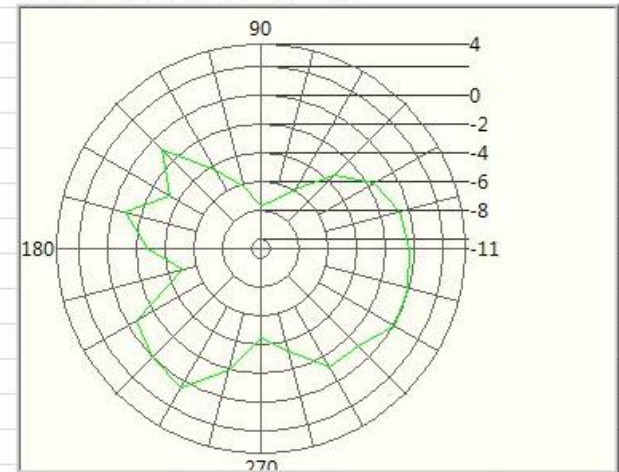
2.4GHz E1

Excel XY Plot (Value dB / Angle deg.)



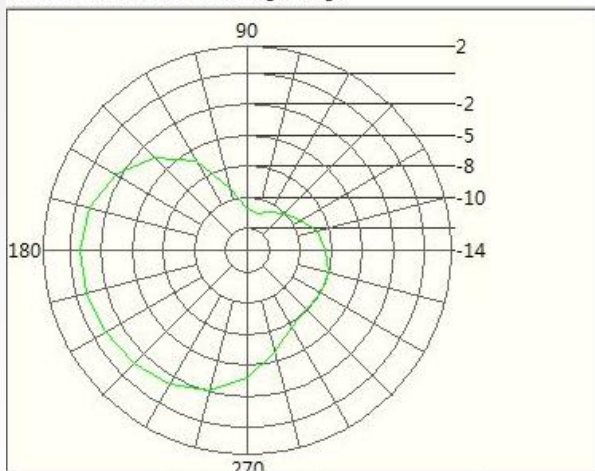
2.4GHz E2

Excel XY Plot (Value dB / Angle deg.)



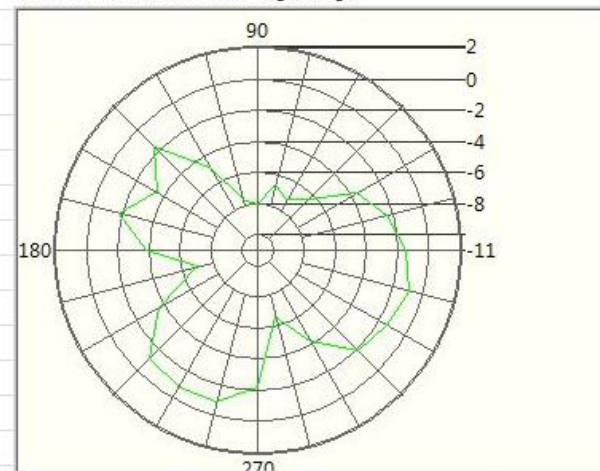
2.5GHz H

Excel XY Plot (Value dB / Angle deg.)



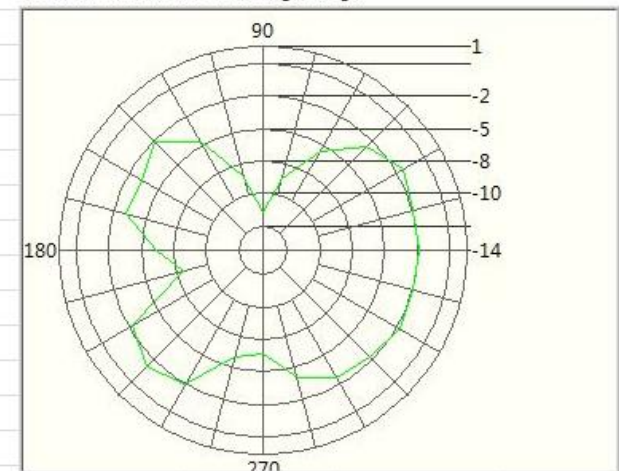
2.5GHz E1

Excel XY Plot (Value dB / Angle deg.)



2.5GHz E2

Excel XY Plot (Value dB / Angle deg.)



1	2	3	4	5	6	7	8																																													
A	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> V00 ① A/1 </div> <div style="border: 1px solid black; width: 200px; height: 50px;"></div> </div>							A																																												
B								B																																												
C	<div style="text-align: center;"> </div>							C																																												
D	<p>skills requirement:</p> <p>1. Refer to 3D for unfilled dimensions;</p> <p>2. The size shown in □ is the key control size; the size () is the reference size; 3. The material is SUS301 3/4H; the thickness is 0.2mm, the spring feet are brushed with gold, and the gold plating is 0.03 microns</p> <p>4. The gap between the uncontrolled angle and the actual matching bracket is less than 0.10mm</p> <p>5. The rough edge of the product is not more than 0.03mm</p>							D																																												
E	<p>Environmental substance requirements:</p> <p>Cadmium Cd <100 ppm</p> <p>Mercury Hg <1000ppm</p> <p>Lead Pb <1000ppm</p> <p>Hexavalent chromium Cr(VI)<1000ppm</p> <p>Polybrominated biphenyls PBBs <1000ppm</p> <p>Polybrominated diphenyl ethers PBDEs<1000ppm</p> <p>Diocetyl phthalate <1000ppm</p> <p>Dibutyl phthalate <1000ppm</p> <p>Diisobutyl phthalate <1000ppm</p> <p>Butyl cresyl phthalate<1000ppm</p> <p>HF: (halogen free)</p> <p>BR<900; CL<900; BR+CL<1500</p>							E																																												
F	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" rowspan="2">Tolerance table</th> <th colspan="4">Segmentation of basic dimensions (refer to GB/T 1804-f)</th> </tr> <tr> <th>0~6</th> <th>6~30</th> <th>30~120</th> <th>120~400</th> </tr> <tr> <td colspan="2">Tolerance value</td> <td>±0.05</td> <td>±0.10</td> <td>±0.15</td> <td>±0.2</td> </tr> <tr> <td>Version</td> <td>A/1</td> <td>Model</td> <td colspan="3">BSC200</td> </tr> <tr> <td>Proportion</td> <td>3:1</td> <td rowspan="2">Parts diagram</td> <td>Manufacturer</td> <td colspan="2">Wuhan Qiwu Technology Co., Ltd.</td> </tr> <tr> <td>Unit</td> <td>mm</td> <td>Name</td> <td colspan="2">BSC200-BLE ANT</td> </tr> <tr> <td></td> <td></td> <td></td> <td rowspan="2"> </td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> </table>							Tolerance table		Segmentation of basic dimensions (refer to GB/T 1804-f)				0~6	6~30	30~120	120~400	Tolerance value		±0.05	±0.10	±0.15	±0.2	Version	A/1	Model	BSC200			Proportion	3:1	Parts diagram	Manufacturer	Wuhan Qiwu Technology Co., Ltd.		Unit	mm	Name	BSC200-BLE ANT													F
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Thank You



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ASPIRE
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