



四川博安通通信技术有限公司
Sichuan B&T Technology Co., Ltd.

零件规格承认书

Approval Specification

正式 ☒ / 条件 ☐

类型：Type： 2.4 / 5.8G 内置天线

范例 R3 代码：R3 Code： 850323706

范例图号：Part Number： TX-DM100BD113B63M

发行日期 Issued Date： 2026.07.15

文件编号 Document NO.：

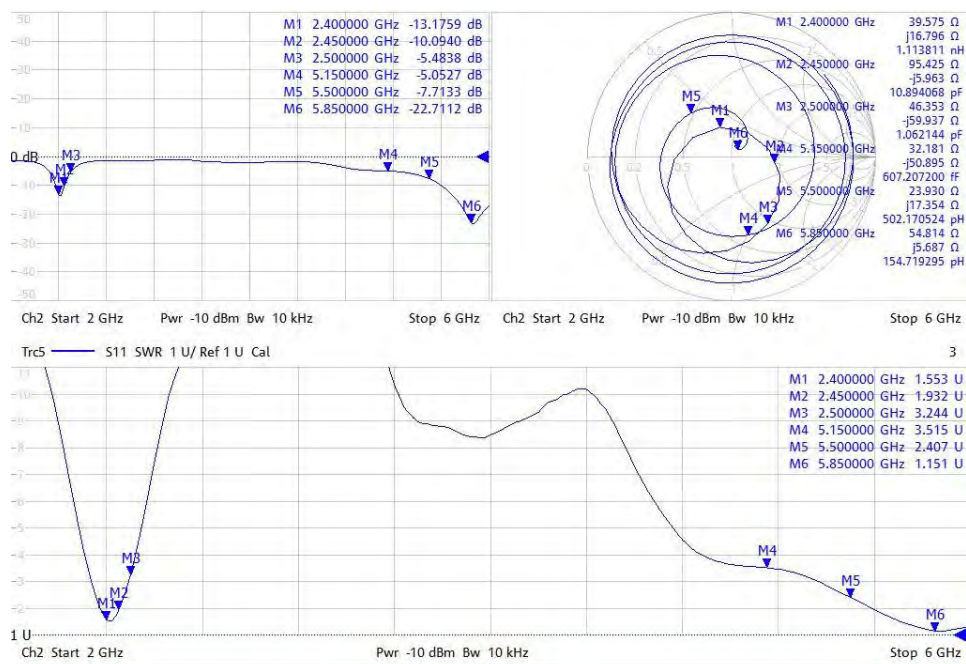
核准 Approval by	审核 Check by	撰写 Prepared by

4、Spec

Electrical parameters		
Frequency range		2400~2500MHz/5150-5850MHz
Input impedance		50 Ω
Wave ratio		Comparison of engineering samples
Peak gain	2.4G	1.89dBi
	5G	3.58dBi
Power capacity		<10w
On-off test		Pathway
Polarization		Vertical
Direction		All-directional
Antenna Type		PIFA
Connection type		IPEX

5、Electrical Performance Test Report (Single Antenna)

S11



➤ Standing wave ratio data

Freq/MHz	2400MHz	2450MHz	2500MHz	5150MHz	5550MHz	5850MHz
VSWR	1.55	1.93	3.24	3.51	2.40	1.15

➤ Antenna anechoic chamber test data

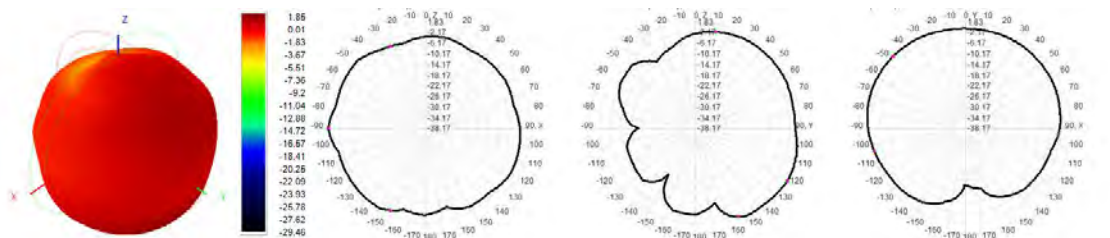
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-2.57	1.85	55.39
2410.0	-2.47	1.89	56.61
2420.0	-2.52	1.73	55.95
2430.0	-2.57	1.67	55.29
2440.0	-2.65	1.56	54.35
2450.0	-2.78	1.42	52.76
2460.0	-2.96	1.19	50.54
2470.0	-3.22	0.86	47.68
2480.0	-3.45	0.65	45.15
2490.0	-3.53	0.56	44.32
2500.0	-3.93	0.12	40.48

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
5150.0	-5.47	0.15	28.37
5250.0	-4.85	1.19	32.74
5350.0	-4.47	1.46	35.72
5450.0	-4.25	1.85	37.62
5550.0	-3.59	1.98	43.73
5650.0	-3.10	3.14	48.94
5750.0	-2.94	2.44	50.76
5850.0	-2.47	3.58	56.63

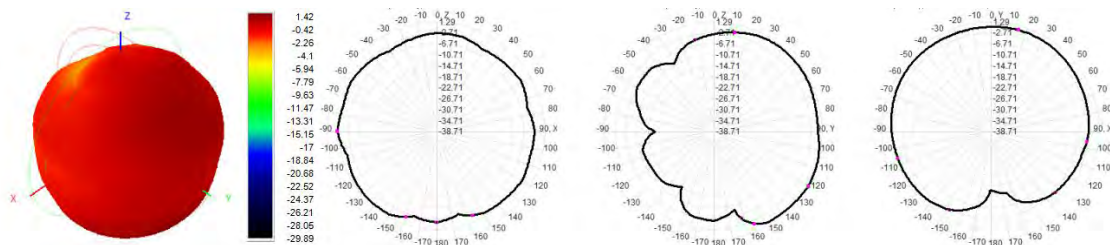
- Antenna pattern

ANT-2.4G-1-2D-3D

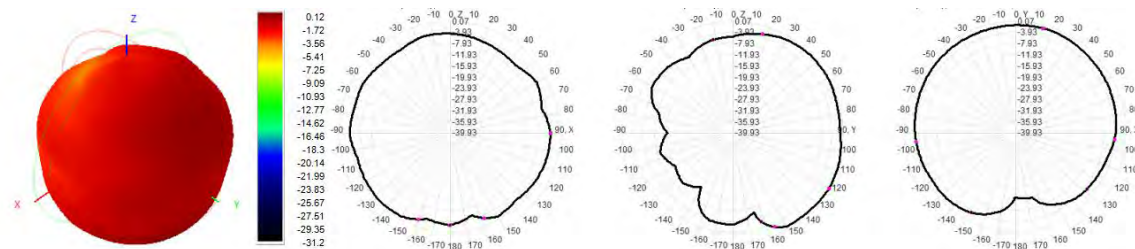
2400MHz



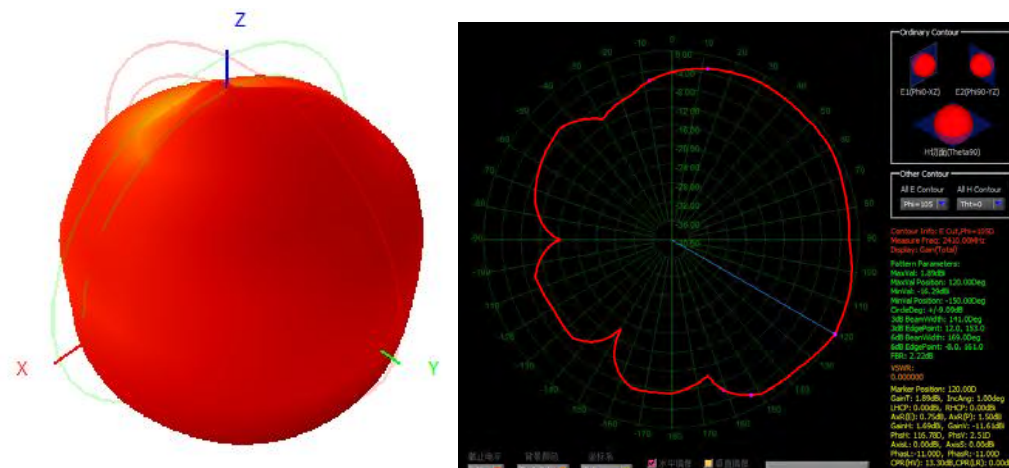
2450MHz



2500MHz



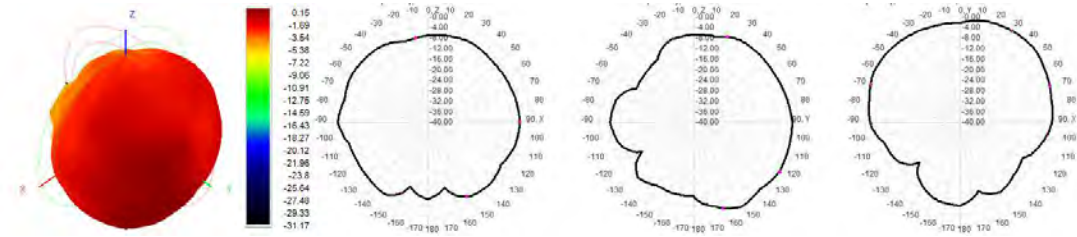
2400-2500MHz Maximum gain point 2410MHz 1.89dbi



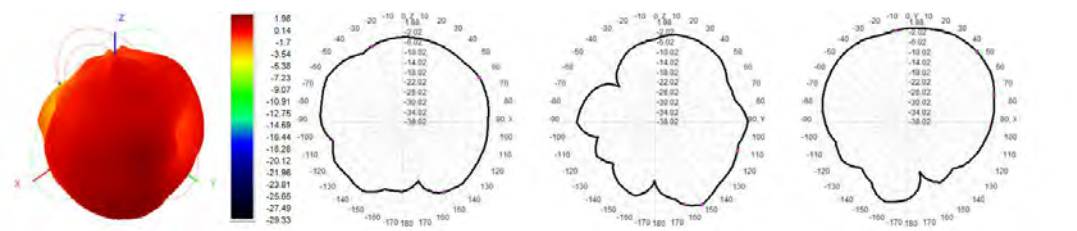
表单编号: B&T-QR-EN-002 版本: B3

ANT-5.8G-1-2D-3D

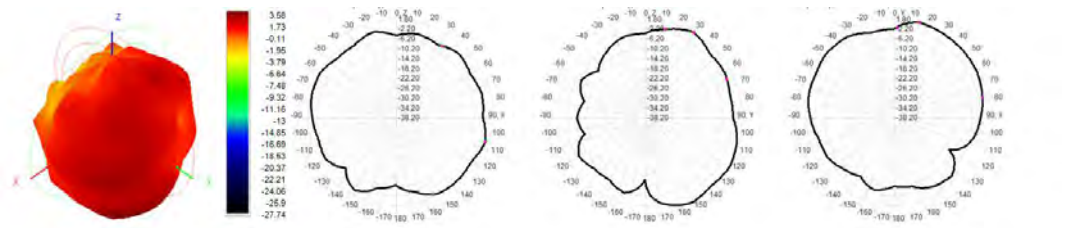
5150MHz



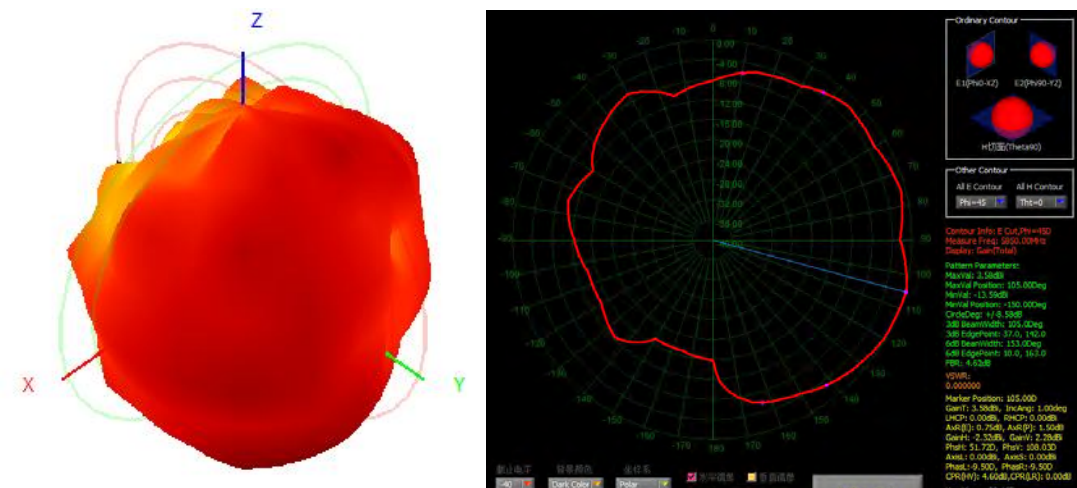
5550MHz



5850MHz



5150-5850MHz Maximum gain point 5850MHz 3.58dbi



6、Product physical image

