



中山市博安通通信技术有限公司

ZHONGSHAN 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

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Project :Y202110210330

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REV: A3

Antenna SPEC

Customer name: 广东长虹

Customer project: TX-DM100BD113Y63M

Part Number: 850323706

B&T P/N: 74300001

Spec.: Internal antenna-2.4 / 5G-Black line 1.13-first generation
terminal-see line length 85mm-shrapnel 30×11×5.2mm

Contact information of B&T:

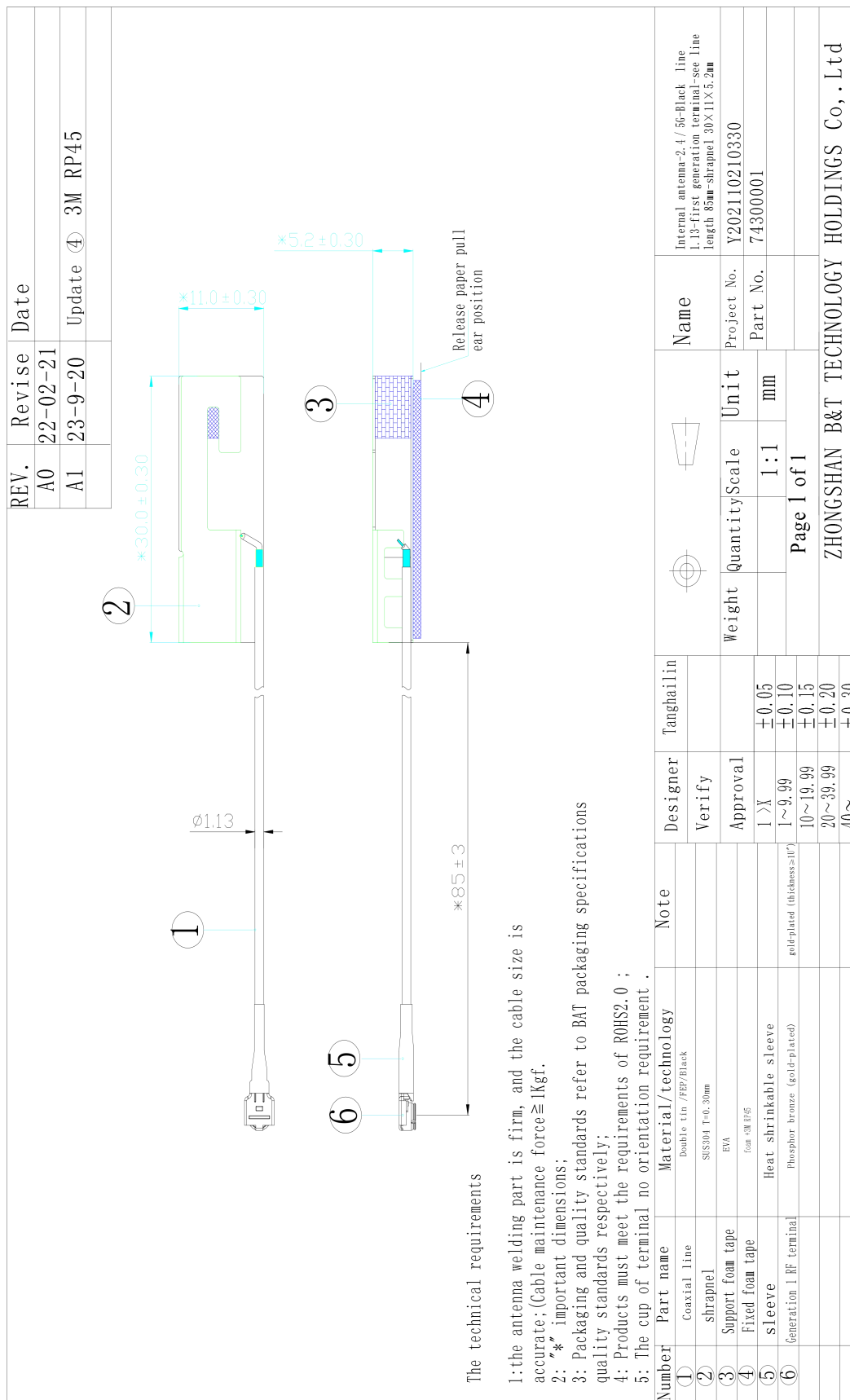
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3、Product drawing

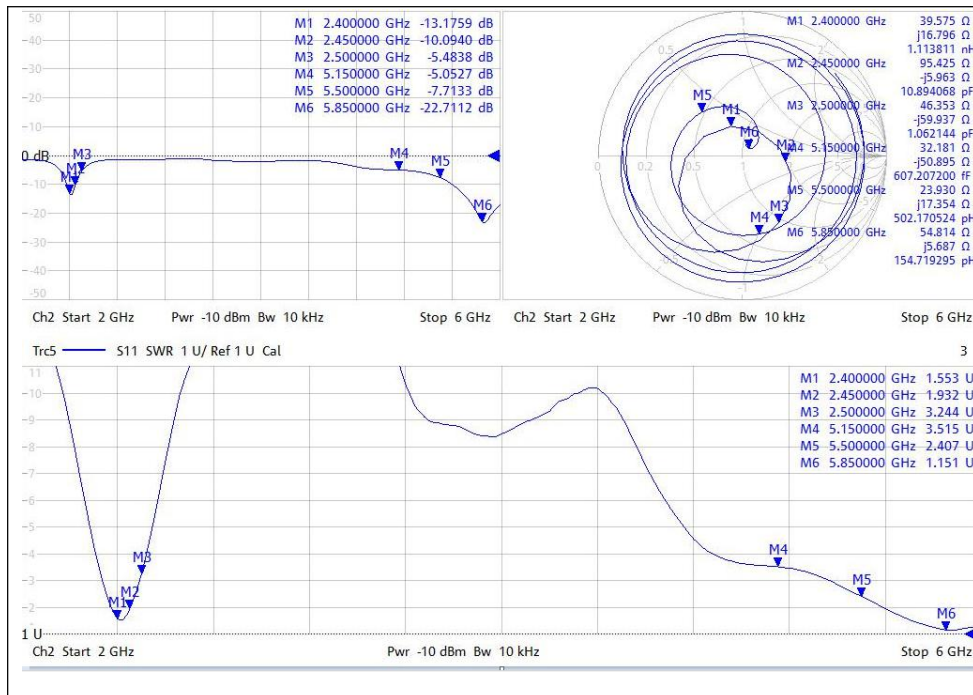


4、Properties & parameter

Electrical Parameter		
Freq Range		2400~2500MHz/5150-5850MHz
Characteristic Impedance		50 Ω
VSWR		sample of reference project
Max gain	2.4G	1.89dBi
	5G	3.58dBi
The Max input power		<10w
Polarization mode		Polar linearization
Radiation mode		Omni directional
Antenna Type		PIFA
Connector style		IPEX terminal
Mechanics Properties		
Length		See line length $85 \pm 3\text{mm}$
Maintain the force		$\geq 1\text{KG}$
Coaxial cable		Black1.13 Double tin wire
Salt spray test		24H
Environment parameter		
Operating Temp		$-30^{\circ}\text{C} \sim 65^{\circ}\text{C}$

5、Electrical test report

S11 Parameter



Electrical Performance Test Parameter Table

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

Efficiency and Gain

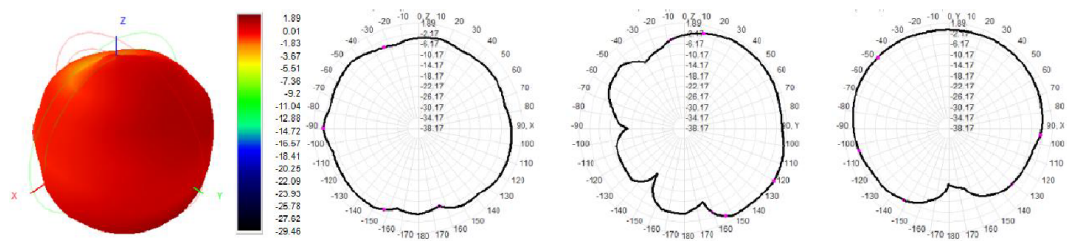
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-2.57	1.85	55.39
2410.0	-2.47	1.89	56.61
2420.0	-2.52	1.73	55.95
2430.0	-2.57	1.67	55.29
2440.0	-2.65	1.56	54.35
2450.0	-2.78	1.42	52.76
2460.0	-2.96	1.19	50.54
2470.0	-3.22	0.86	47.68
2480.0	-3.45	0.65	45.15
2490.0	-3.53	0.56	44.32
2500.0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

Radiation pattern

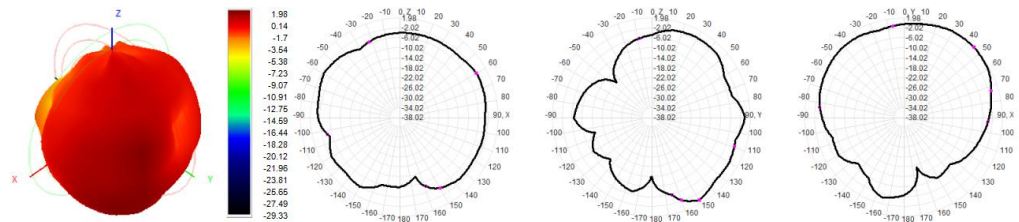
ANT-2.4G-1-2D-3D

2410MHz



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

5550MHz



PACKING CRITERION

P/N: 74300001

Spec. : Internal antenna-2.4 / 5G-Black line 1.13-first generation terminal-see line length
85mm-shrapnel 30×11×5.2mm



包装承认书多项物
料20220629.doc>

Packing requirement

7、Antenna photo

