



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: 850292352

范例图号: Part Number: TX\_DM200BD113B63M

发行日期 Issued Date: 2024.04.03

文件编号 Document NO.: \_\_\_\_\_

Contact person for sales: Longmingguo	MB:18576042661	E mail: longmg@tech-now.com
Contact person for technical: Liulihua	MB:13590104459	E-mail: liulh@tech-now
Contact person for Quality: zenglong	MB:18188400229	E-mail: zengk@tech-now.com

Project :Y202104090061/2

Date. 2024.04.03

REV: A3

# Antenna SPEC

Customer name: 广东长虹

Customer project: 长虹电视系

Part Number: 850292352

B&T P/N: AG-041533-2215

Spec.: 2.4 / 5.8G Internal antenna(shrapnel 30 × 11 × 5.2)-Black  
line 1.13-terminal, see line length 185mm

## Contact information of B&T:

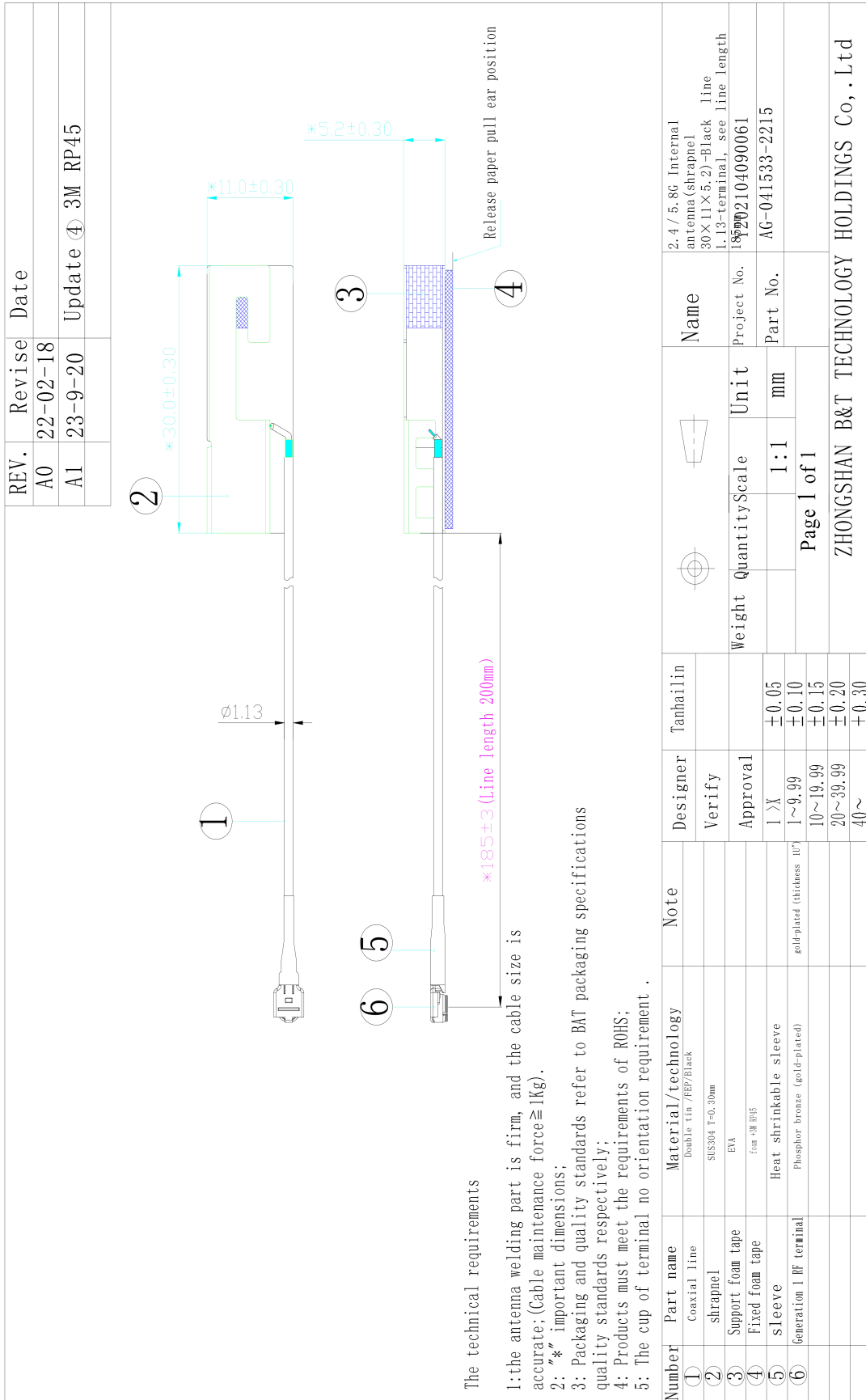
Contact person for sales: Longmingguo	MB:18576042661	E-mail: longmg@tech-now.com
Contact person for technical: Liulihua	MB:13590104459	E-mail: liulh@tech-now
Contact person for Quality: zengkang	MB:18188400229	E-mail: zengk@tech-now.com



## *Contents*

1、 Cover	1
2、 Index of specification	3
3、 Product drawing	4
4、 Electrical Parameter	5
5、 Electrical test report	6-8
6、 Packing Specification	9
7、 Antenna photo	10

### 3、Product drawing

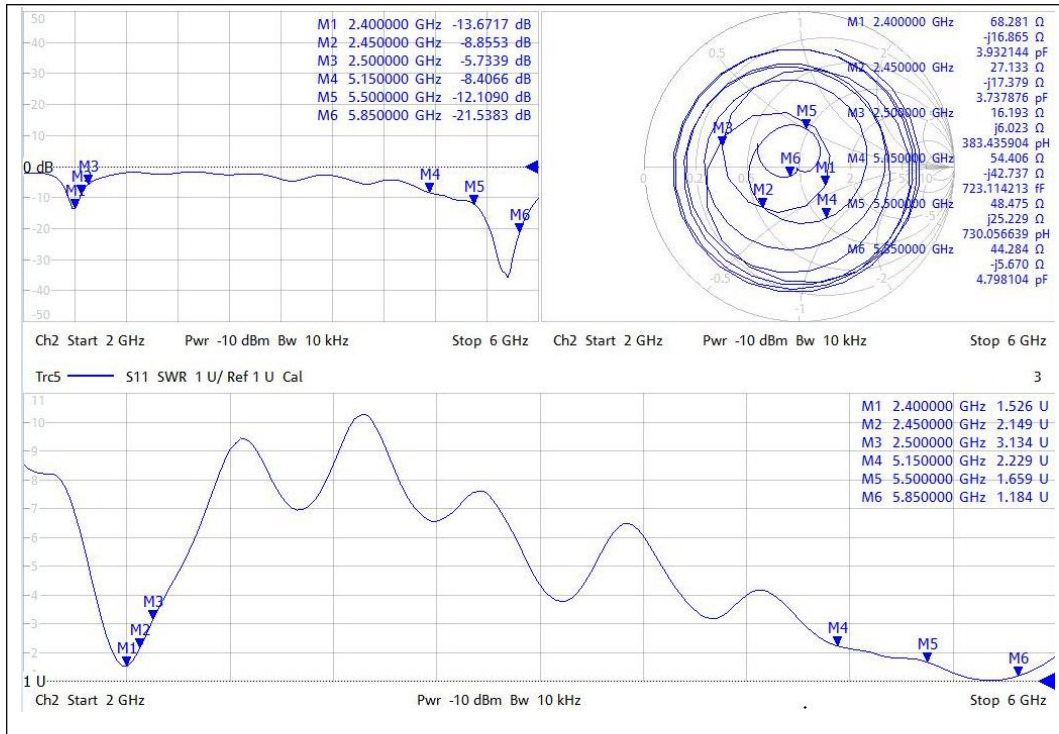


#### 4、Properties & parameter

Electrical Parameter		
Freq Range	2400~2500MHz/5150-5850MHz	
Characteristic Impedance	50 Ω	
VSWR	sample of reference project	
Max gain	2.4G	1.29dBi
	5.8G	3.45dBi
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 185±3mm/Bus line length200±3mm	
Maintain the force	≥1Kgf	
Coaxial cable	Black1.13 double tin wire	
Salt spray test	24H	
Environment parameter		
Operating Temp	-30℃~65℃	

## 5、Electrical test report

### S11 Parameter



Electrical Performance Test Parameter Table

Freq/MHz	2400MHz	2450MHz	2500MHz	5150MHz	5550MHz	5850MHz
VSWR	1.52	2.14	3.13	1.52	1.65	1.18

### Efficiency&Gain

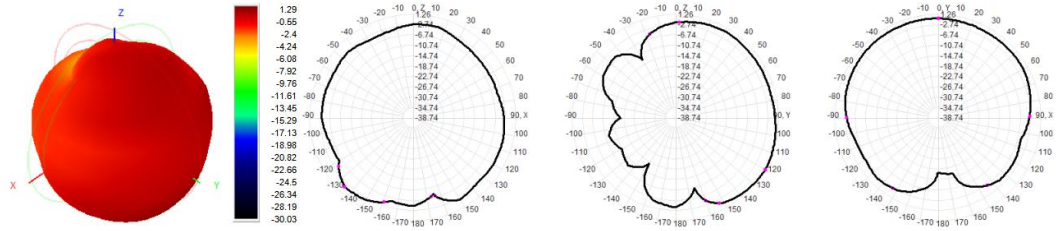
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-3.07	1.29	49.33
2410.0	-3.15	1.24	48.40
2420.0	-3.23	1.06	47.55
2430.0	-3.40	0.71	45.72
2440.0	-3.69	0.26	42.78
2450.0	-3.86	0.04	41.07
2460.0	-4.04	-0.14	39.46
2470.0	-4.17	-0.16	38.26
2480.0	-4.32	-0.37	36.97
2490.0	-4.83	-0.84	32.85
2500.0	-4.96	-0.91	31.93

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
5150.0	-3.98	1.14	39.96
5250.0	-3.80	1.70	41.71
5350.0	-3.59	2.20	43.75
5450.0	-3.50	2.48	44.69
5550.0	-3.36	2.22	46.17
5650.0	-3.45	2.54	45.20
5750.0	-3.38	3.27	45.89
5850.0	-3.54	3.45	44.21

# Radiation pattern

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

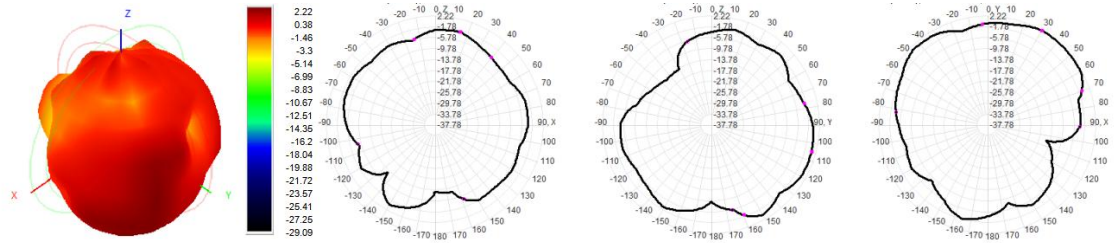
2400MHz





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

5550MHz



## PACKING CRITERION

P/N: AG-041533-2214

Spec.: 2.4 / 5.8G Internal antenna(shrapnel 30 × 11 × 5.2)-Black line 1.13-terminal, see line length 185mm



包装承认书多项物  
料20220629.doc

Packing requirement

7、 Antenna photo

