



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: 850296929

范例图号: Part Number: TX-DM350B113B63M

发行日期 Issued Date: 204.04.03

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Project :Y202104090061

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REV: A2

# Antenna SPEC

Customer name: 广东长虹

Customer project: 长虹电视系

Part Number: 850296929

B&T P/N: AG-041533-2217

Spec. : 2.4 / 5.8G Internal antenna(shrapnel 30 × 11 × 5.2)-Black  
line 1.13-terminal, see line length 335mm

## Contact information of B&T:

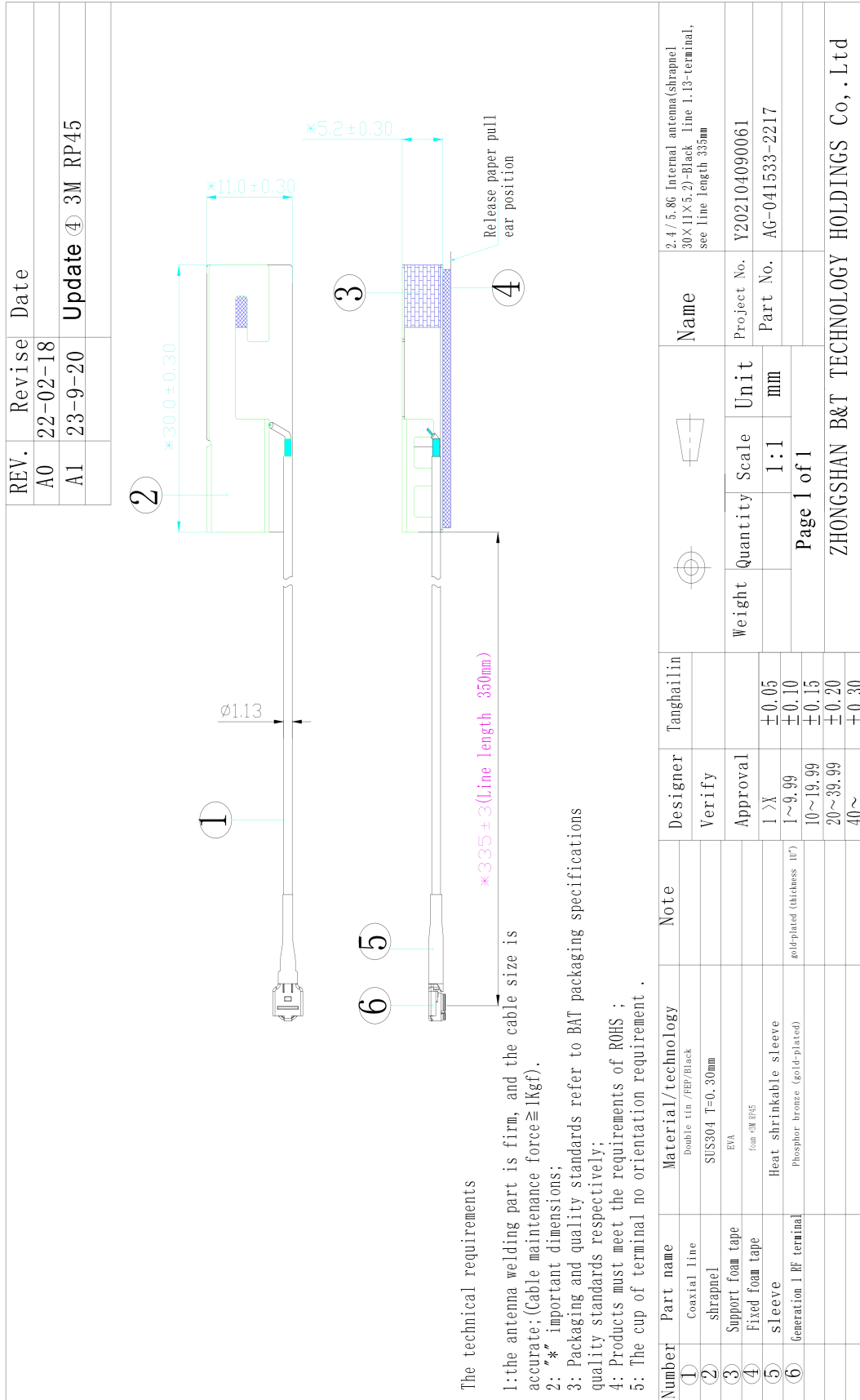
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### 3、Product drawing

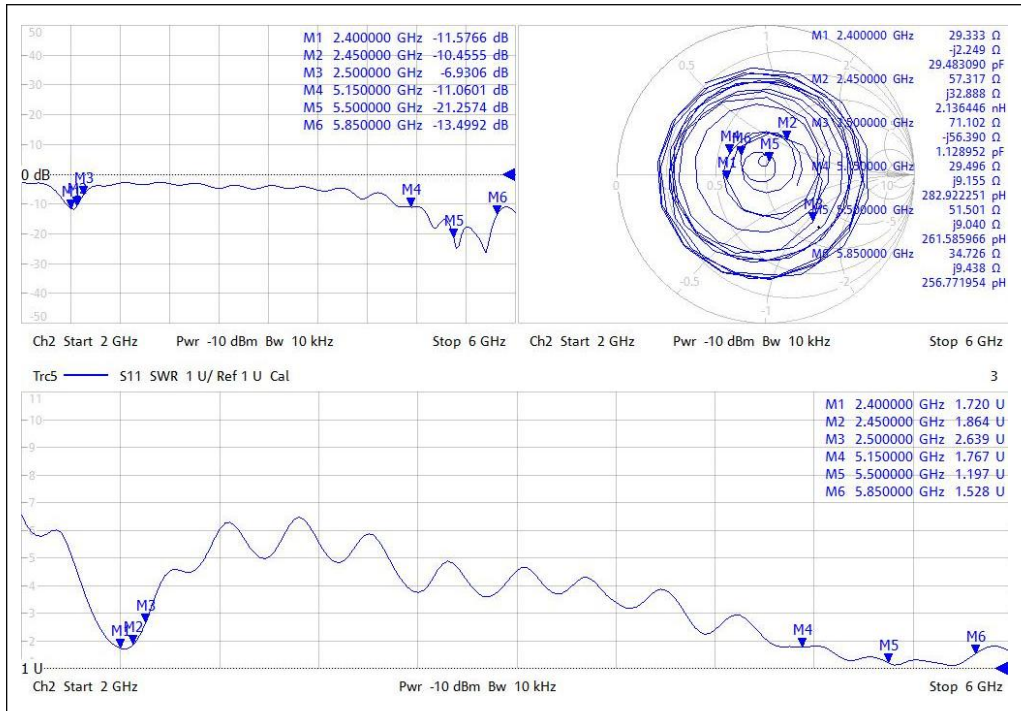


#### 4、Properties & parameter

Electrical Parameter		
Freq Range	2400~2500MHz/5150-5850MHz	
Characteristic Impedance	50 Ω	
VSWR	sample of reference project	
Max gain	2.4G	0.59dBi
	5.8G	2.09dBi
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 335±3mm/Bus line length350±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	1.72	1.86	2.63	1.76	1.19	1.52

### Efficiency & Gain

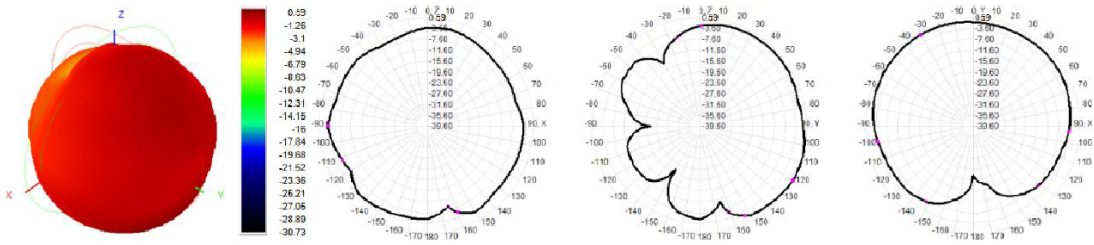
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-3.76	0.58	42.06
2410.0	-3.66	0.59	43.00
2420.0	-3.83	0.51	41.37
2430.0	-3.84	0.52	41.31
2440.0	-3.85	0.44	41.24
2450.0	-4.04	0.19	39.46
2460.0	-4.15	0.01	38.43
2470.0	-4.39	-0.32	36.39
2480.0	-4.62	-0.57	34.48
2490.0	-4.73	-0.60	33.67
2500.0	-5.11	-0.96	30.86

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
5150.0	-5.83	0.02	26.09
5250.0	-5.27	0.62	29.71
5350.0	-4.33	1.84	36.90
5450.0	-4.48	1.68	35.64
5550.0	-3.74	1.82	42.24
5650.0	-3.88	1.87	40.94
5750.0	-3.93	2.09	40.50
5850.0	-4.27	2.04	37.45

# Radiation pattern

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

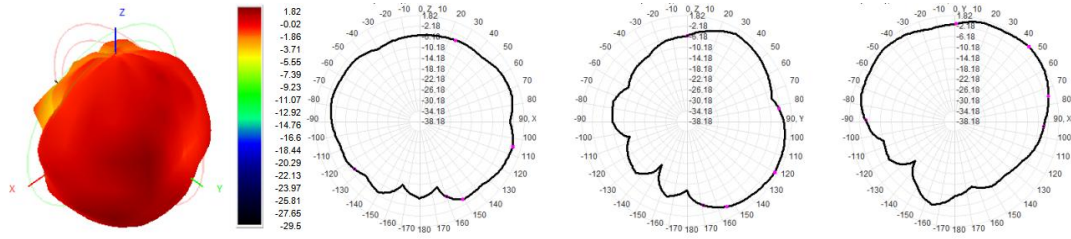
2410MHz





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

5550MHz



## PACKING CRITERION

P/N: AG-041533-2217

Spec.: 2.4 / 5.8G Internal antenna(shrapnel 30 × 11 × 5.2)-Black line 1.13-terminal, see line length 335mm



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Packing requirement

7、 Antenna photo

