

SPECIFICATION FOR APPROVAL

Date	2023/02/28
File No	23022801
Revision	1.0

CUSTOMER: SMART ELECTRONIC INDUSTRIAL CO.,LTD.

CUSTOMER NO: PD6N

PART NAME: BT Antenna

SUPPLIER NO: YJW01.029.008.301A

Date: Q"TY: PCS

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

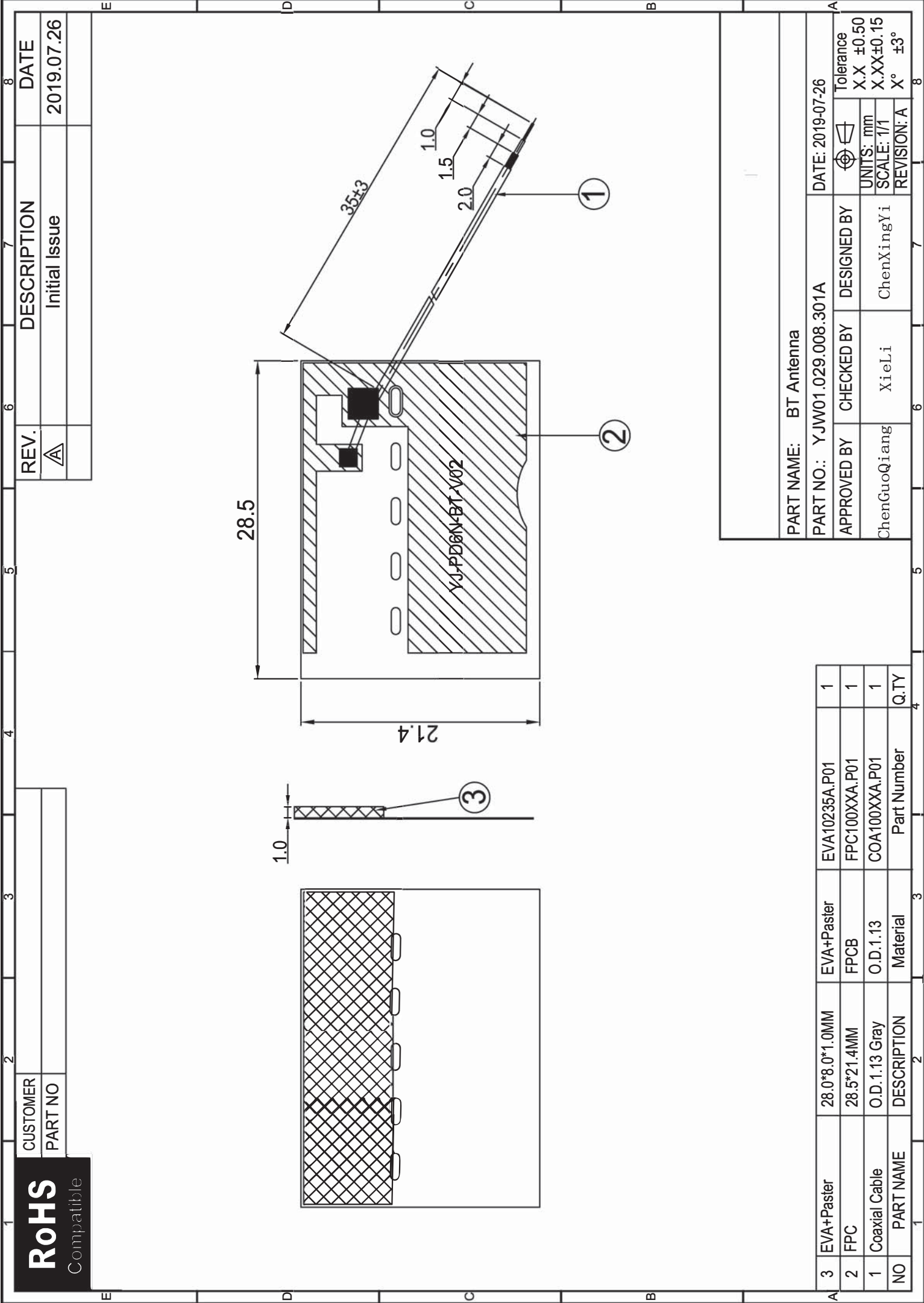
SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
ChenGuoqiang	XieLi	ChenXingcheng

YJ-RD-F04-A



Spec Item

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10	N/A	N/A	N/A
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RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
A	Initial Issue	2019.07.26

3	EVA+Paster	28.0*8.0*1.0MM	EVA+Paster	EVA10235A.P01	1
2	FPC	28.5*21.4MM	FPCB	FPC100XXA.P01	1
1	Coaxial Cable	O.D.1.13 Gray	O.D.1.13	COA100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

PART NAME: BT Antenna					DATE: 2019-07-26
PART NO.: YJW01.029.008.301A					
APPROVED BY	CHECKED BY	DESIGNED BY	Tolerance		
ChenGuoQiang	XieLi	ChenXingYi	UNITS: mm	X.X ±0.50	
			SCALE: 1/1	X.XX±0.15	
			REVISION: A	X° ±3°	

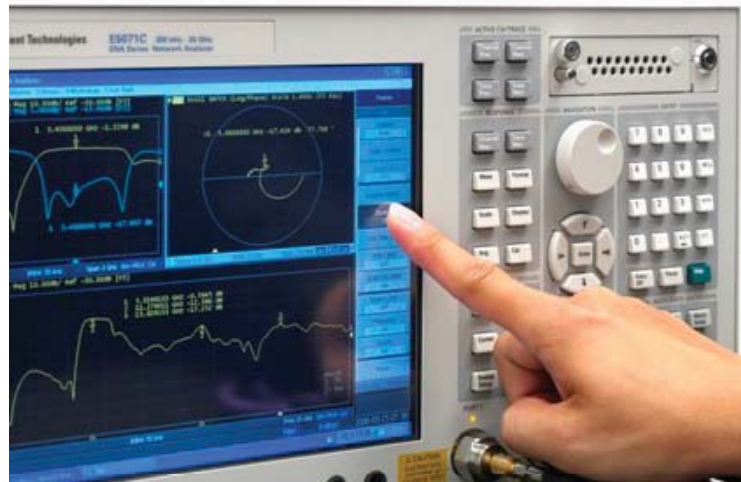
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	3.0 Max
Return Loss	-6.0 dB Max
Radiation	Omni-directional
Gain (Peak)	-0.1dBi
Polarization	Linear
Connector	None
Physical Properties	
Antenna Material	FPC
Cable Type	O.D.1.13mm//L=35mm
Operating Temp.	-40~+85 °C
Storage Temp.	40~ +85 °C
Cable Color	Gray

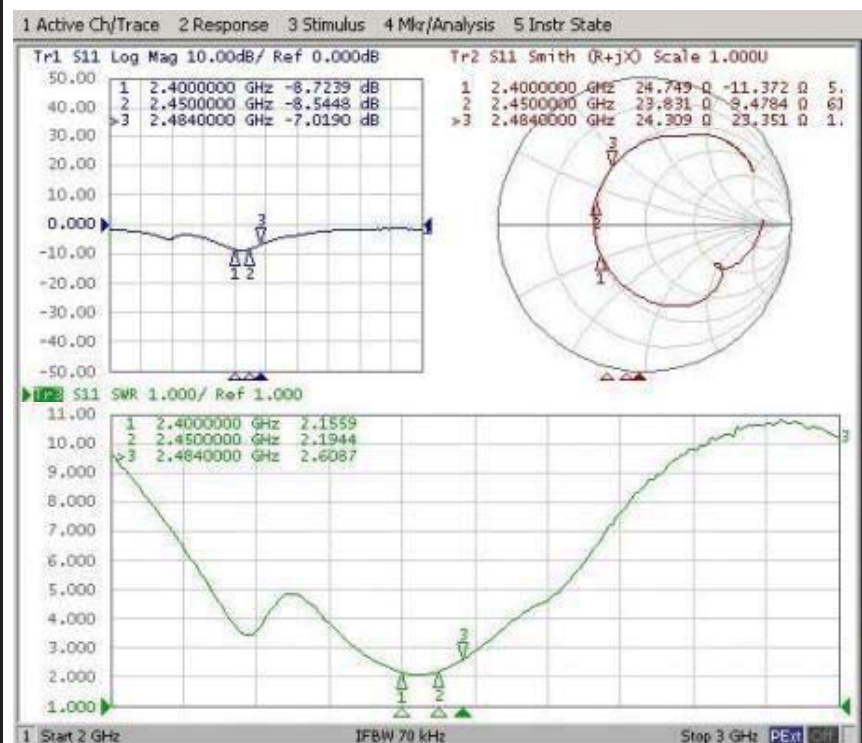
add: 17A-03A, Block B, Nanxian Commercial Plaza, Meilong Road, Longhua New District, Shenzhen

Antenna Performance Test

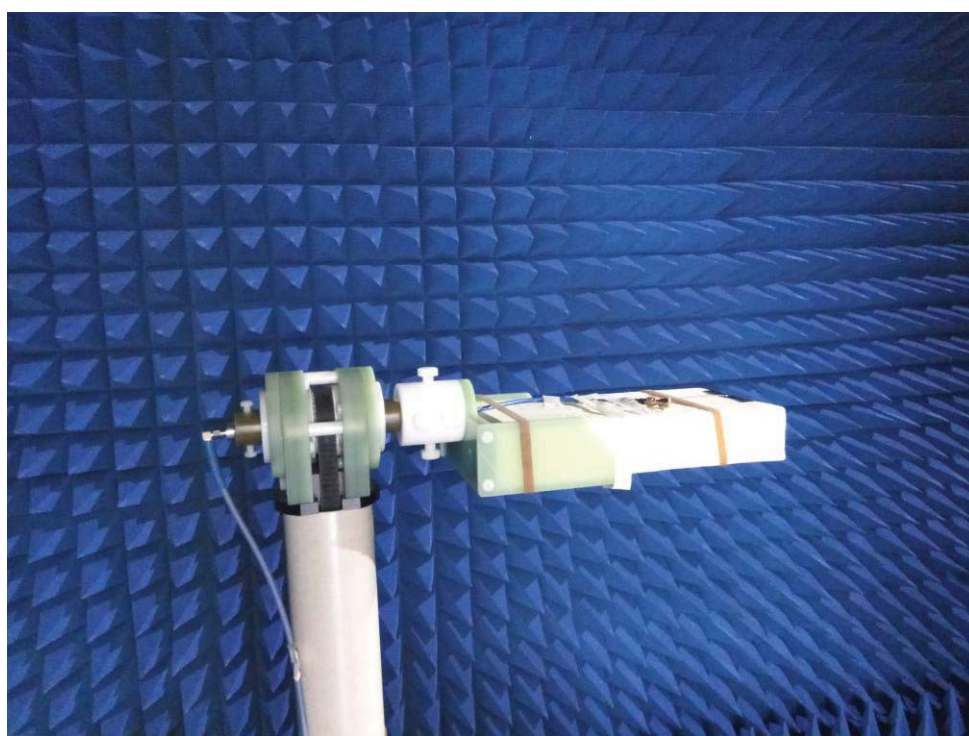
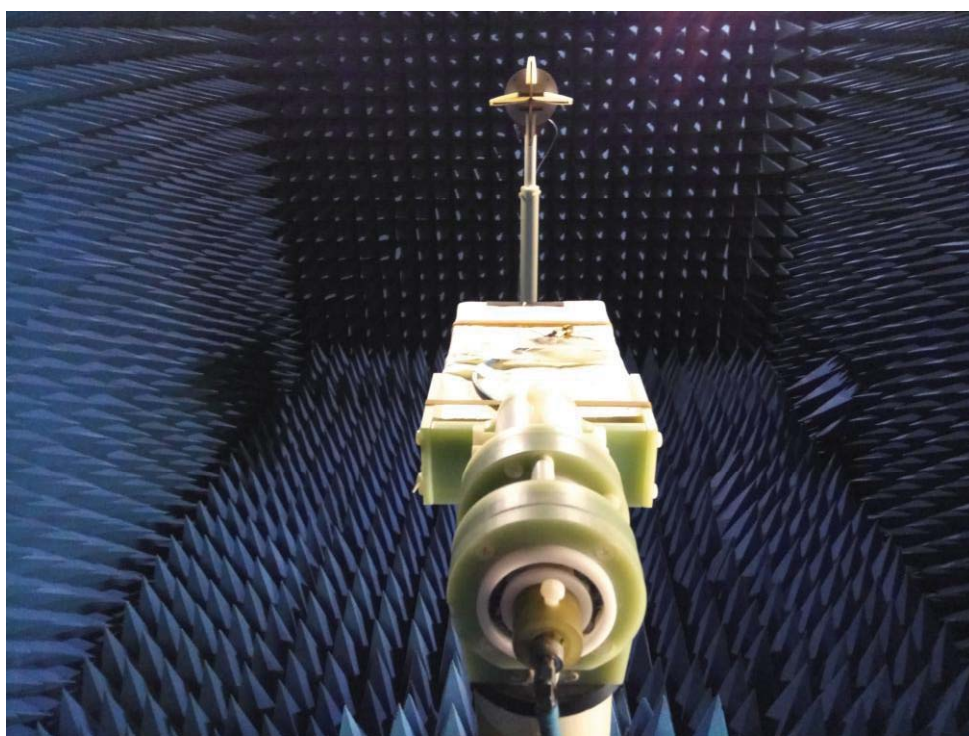
**Agilent
E5071B**



**S
Parameter
Test //
BT**



Antenna Passive Test



add: 17A-03A, Block B, Nanxian Commercial Plaza, Meilong Road, Longhua New District, Shenzhen

Passive Test For BT			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	38.1	-4.2	-0.5
2410	38.5	-4.1	-0.5
2420	38.6	-4.1	-0.4
2430	39.8	-4.0	-0.2
2440	39.4	-4.0	-0.2
2450	39.8	-4.0	-0.1
2460	39.6	-4.0	-0.2
2470	39.8	-4.0	-0.2
2480	40.4	-3.9	-0.1
2490	39.2	-4.1	-0.3
2500	38.3	-4.2	-0.5

add: 17A-03A, Block B, Nanxian Commercial Plaza, Meilong Road, Longhua New District, Shenzhen

Antenna BT



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