

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

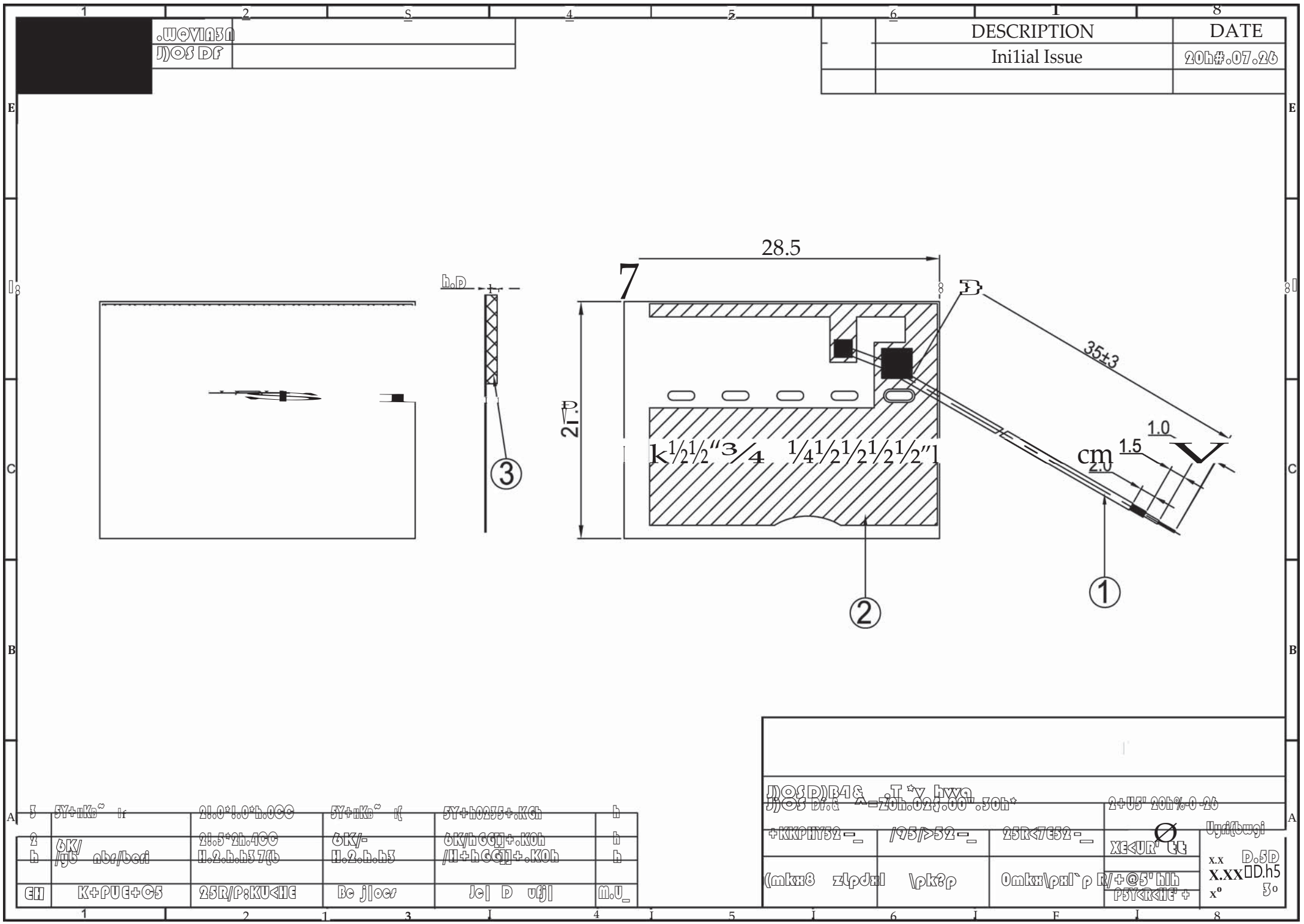
SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
ChenGuoqiang	XieLi	ChenXingcheng

YJ-RD-F04-A



Spec Item

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11	-	-	-
12	-	-	-
13	-	-	-



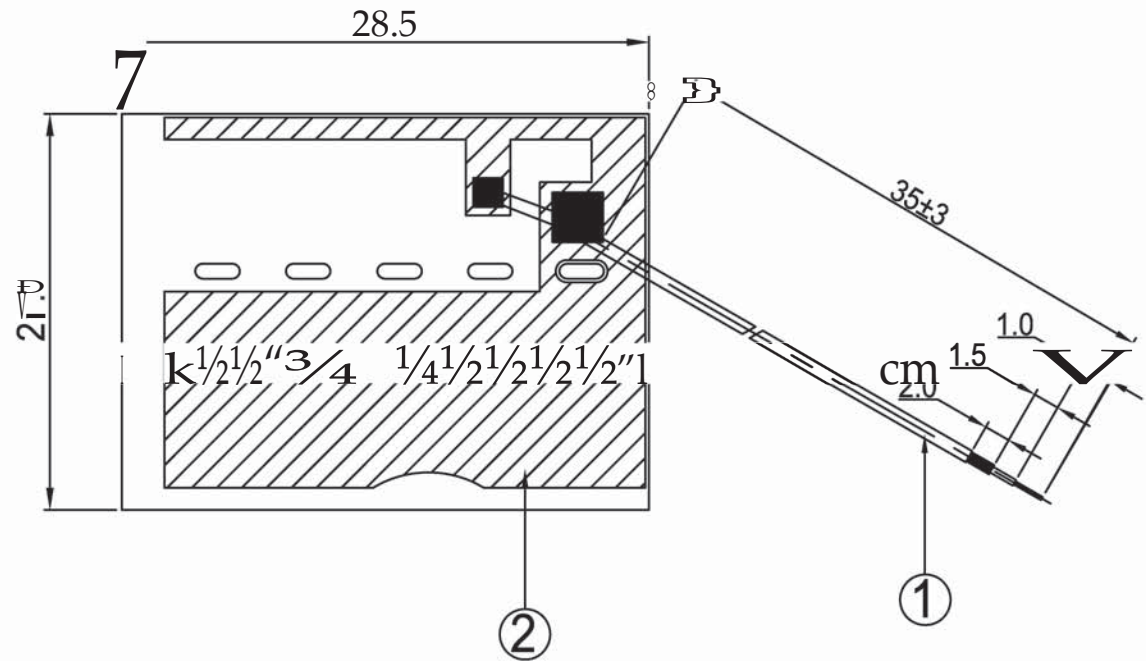
УТВЕРЖДЕНО
ПРОЕКТА

DESCRIPTION

DATE

Initial Issue

20h#.07.26



1	5Y+1Kb~ 1r	21.0*1.0*1.000	5Y+1Kb~ 1r	5Y+10255+.KCh	h
2	6K/ /y5 abr/bcd	21.5*21.400	6K/-	6K/hGGJ+.KCh	h
h		11.2.h.h37(b	11.2.h.h3	/11+hGGJ+.KCh	h
CH	K+PUC+G5	25R/P:KU<HE	Be j oer	le D v[j]	M.U_
1		2	1	3	4

УТВЕРЖДЕНО ПРОЕКТА				2+U5' 20h%-0-26			
+KKPHY52 = /95/>52 = 25R<7C52 =				XE<UR' GG			
(mkw8 zlpdwl \pk8p				0mkw\pwl~p R/+@5'hllh			
				P5Y<R<H' +			
				xx D.5D x.xxDD.h5 x° 5°			
1				6			

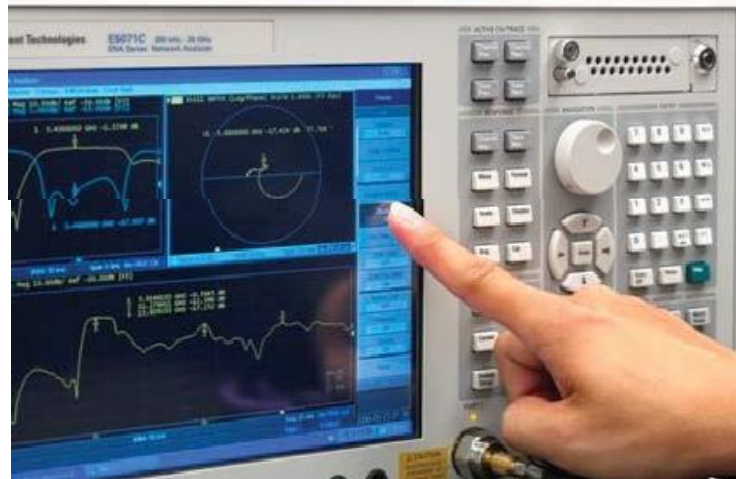
Antenna Specification

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

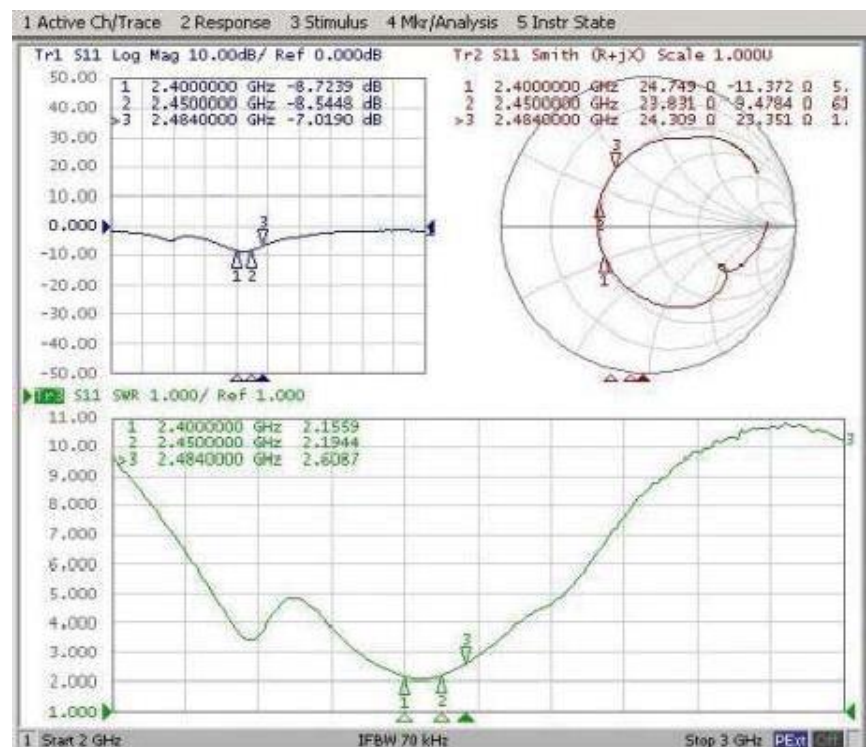
add: 1FA-03A, BLOGK B, NanXian COMMERGial Pla>a, Weilong Road, Longhua New DI>TRIGT, Shen>hen

Antenna Performance Test

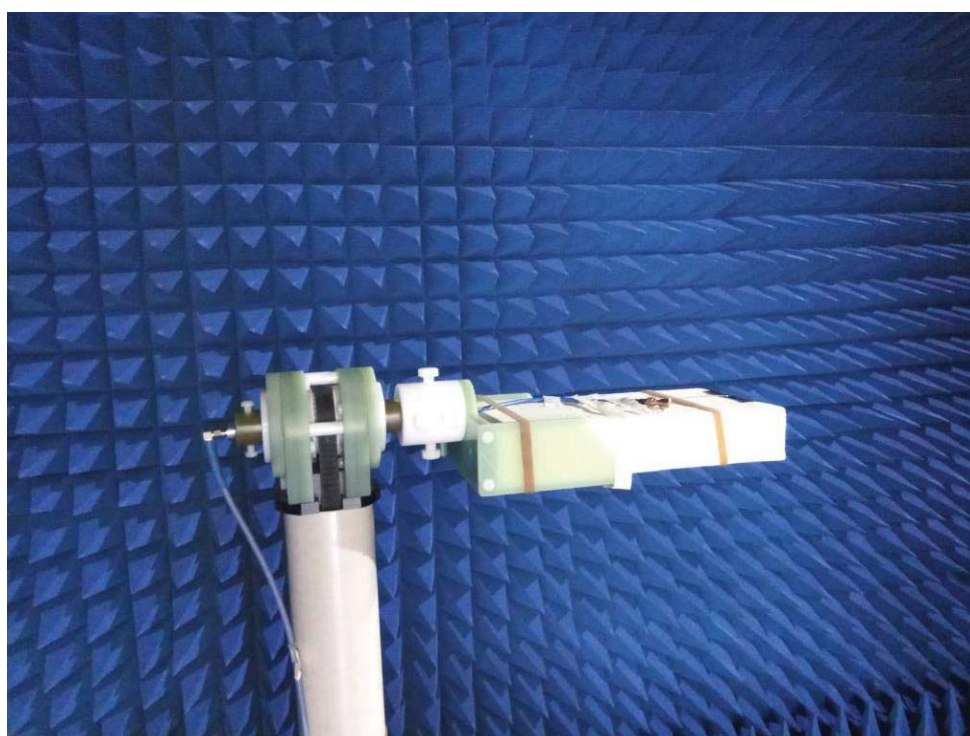
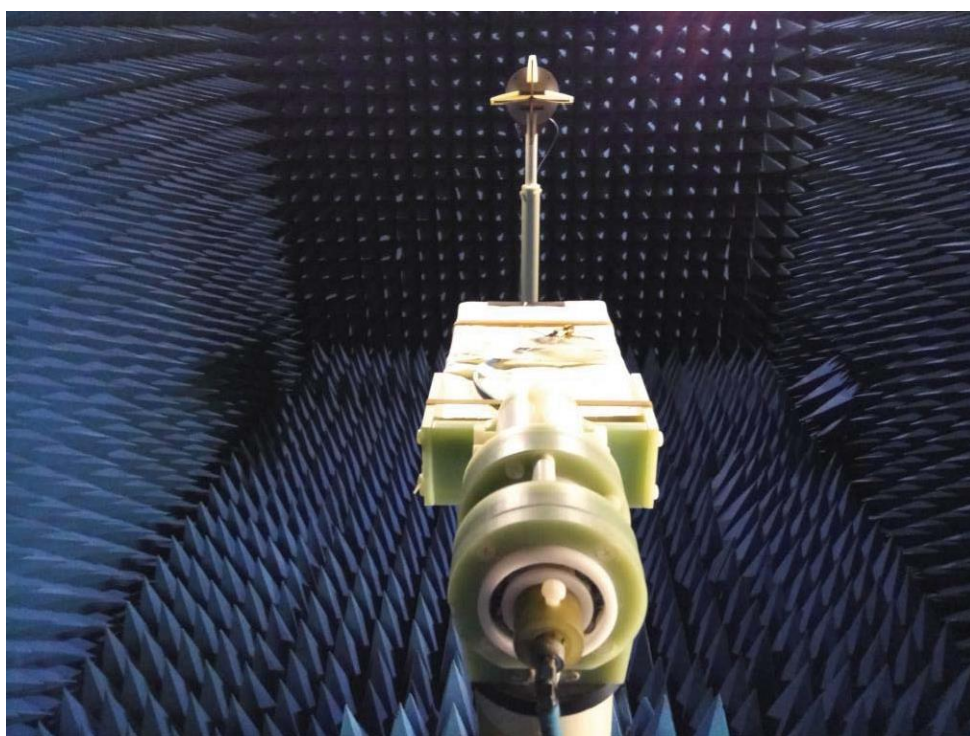
**Agilent
E5071B**



**S
Parameter
Test //
BT**



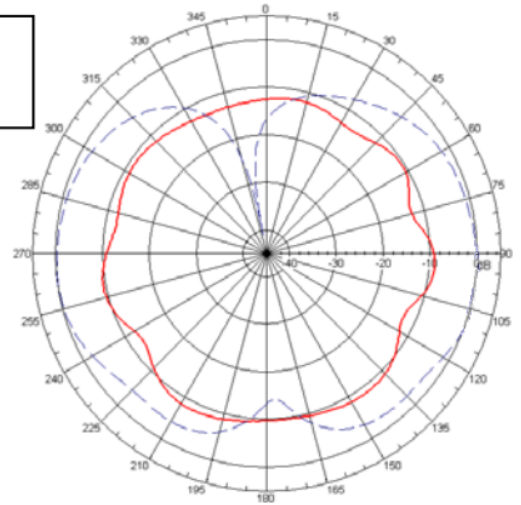
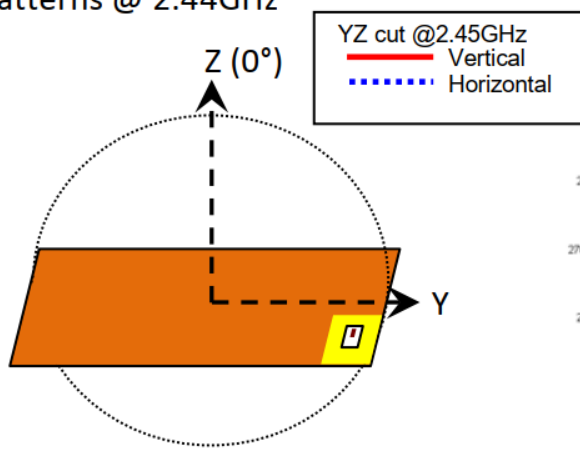
Antenna Passive Test



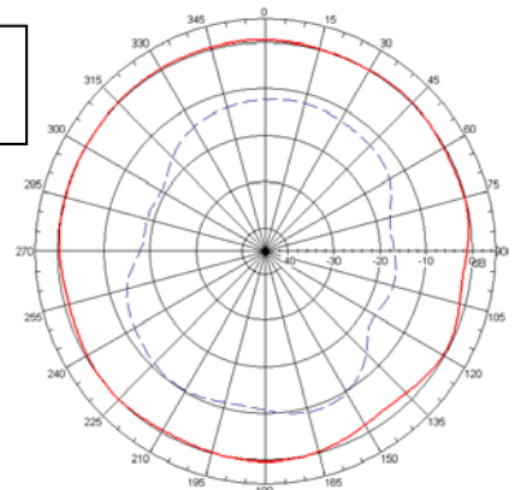
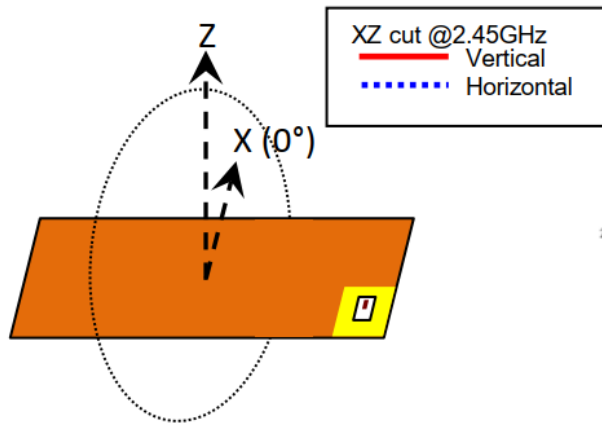
add: 1FA-03A, BLOCK B, NanXian COMMERCIAL PLAZA, Weilong Road, Longhua New DISTRICT, Shenzhen

Typical 2D radiation patterns @ 2.44GHz

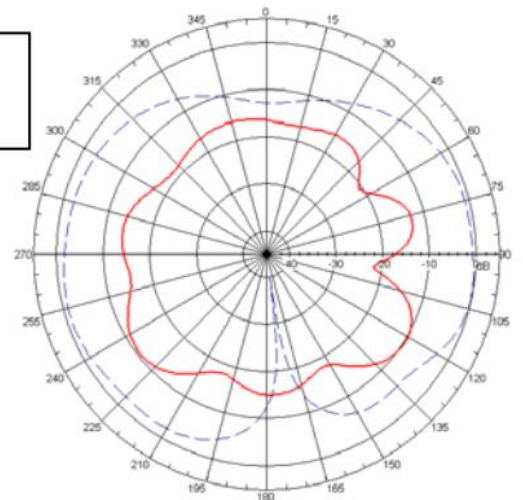
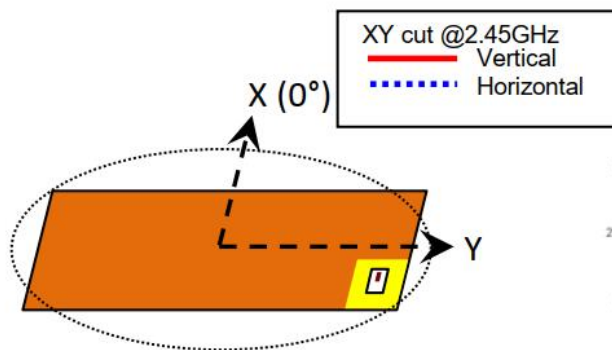
YZ-plane



XZ-plane



XY-plane



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

Antenna BT

