



SAMPLE FOR APPROVAL

CUSTOMER: Ruijie Networks Co., Ltd.

PART NUMBER: _____ CUS REV: 01_____

DESCRIPTION: EXD-515815-30-VH-2MHF-V2

SUBMITTED DATES: 2021.08.09 EXC REV: 01

ENCLOSED: ☒ DRAWING ☒ INSPECTION REPORT
☒ SPECIFICATION SHEET

CUSTOMER	QA	APPROVED	MADE
	Wu Chun	Song.liu	Zhangjitao



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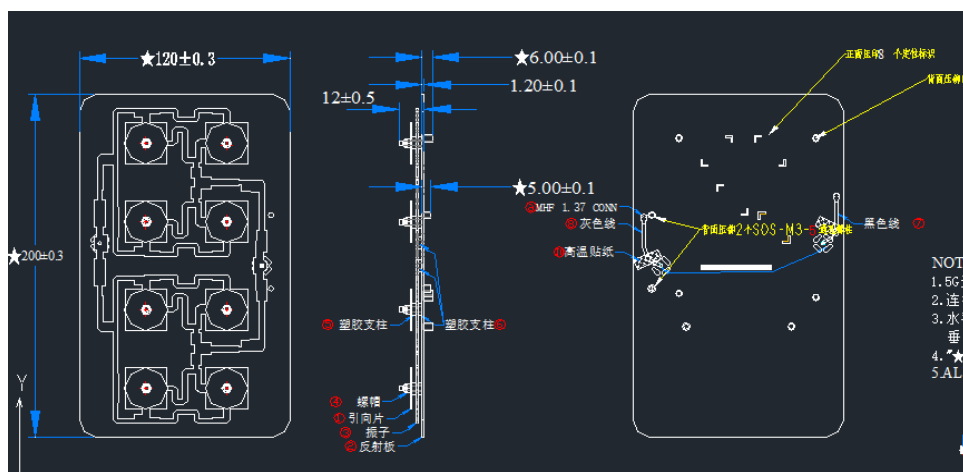
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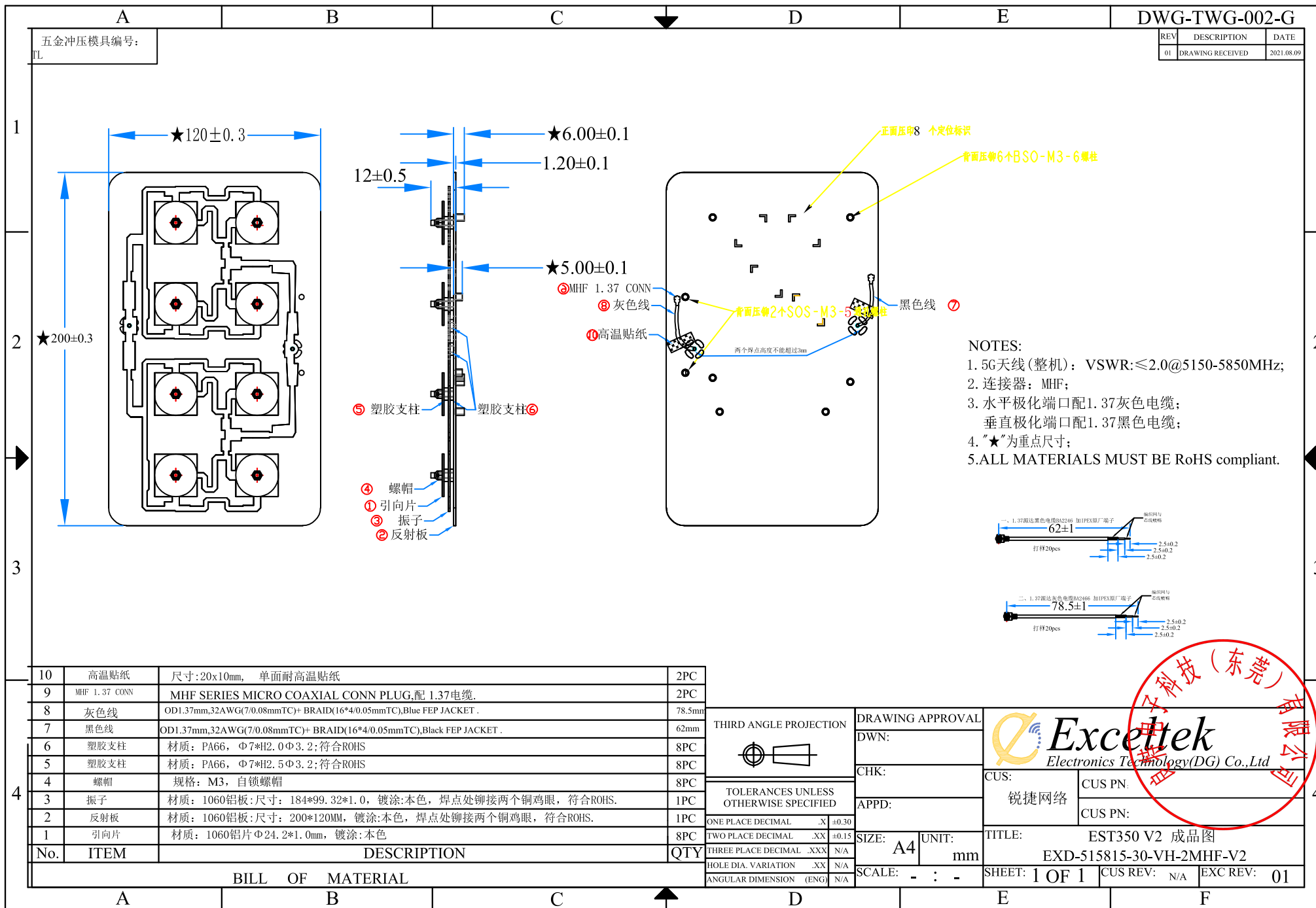




EST350 V2 Directional CPE antenna indicator

Electrical specifications	
Antenna	5G directive antenna
Frequency range(MHz)	5150-5850
VSWR	≤ 2.0
Impedance(ohm)	50 Ω
Gain(dBi)	15dbi
Polarization	vertical
H plan beam width	31°
plan beam width	14°
Isolation(DB)	>20 dB
Max input power(W)	10 W
Lightning protection	DC ground
Mechanical specifications	
Dimensions(mm)	200mm (L) $\times$ 120mm (W)
Connector	IPEX
Cable	1.13 coaxial line
Connector position	bottom
Radome material	Matching machine
Operating temperature(°C)	-40~+55°C
RoHS	Accord with RoHS







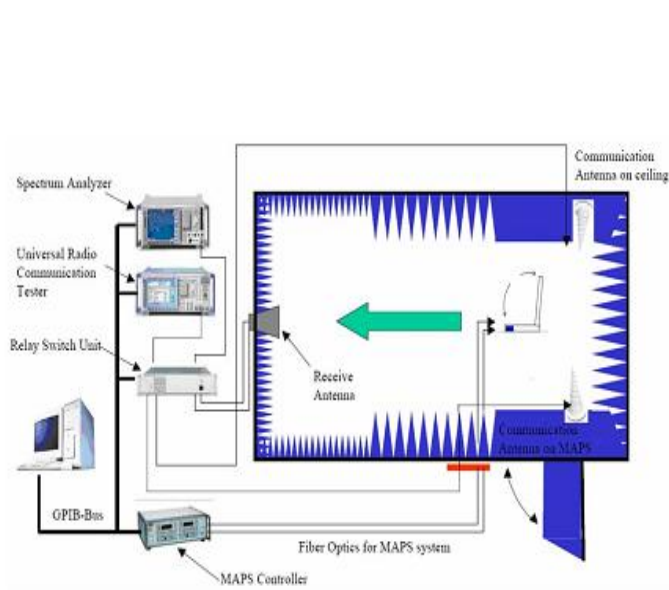
EST350 Antenna test report

Test Equipment & Conditions

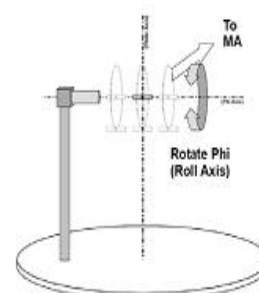
1. Network Analyzers : Agilent 5071C

2. Communications Test Set: Agilent E5515C CMW500

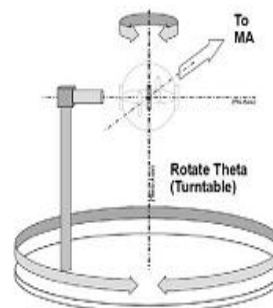
3. 3D Chamber Test System



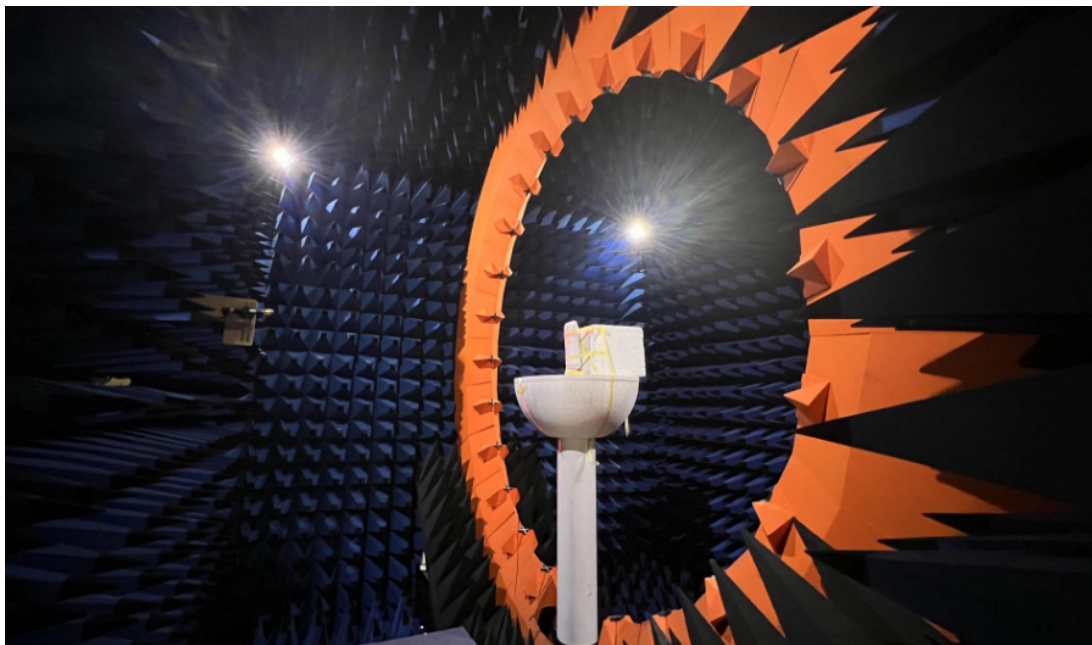
(Testing by 3D anechoic chamber)



Phi axis test



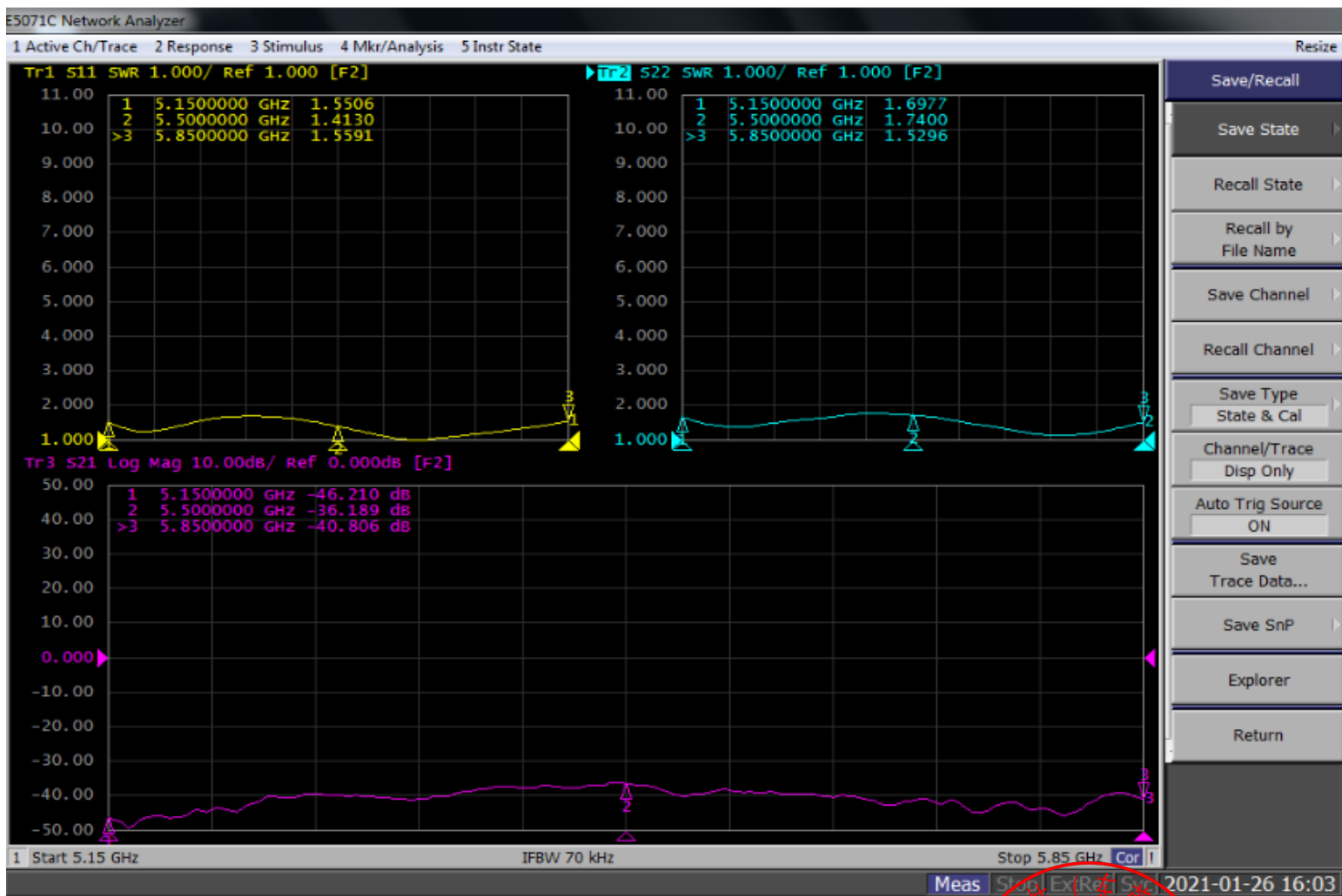
Theta axis test





(EXD-515815-30-VH-2MHF-V2)

1、 VSWR

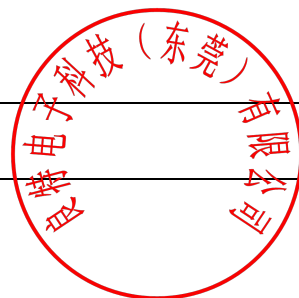
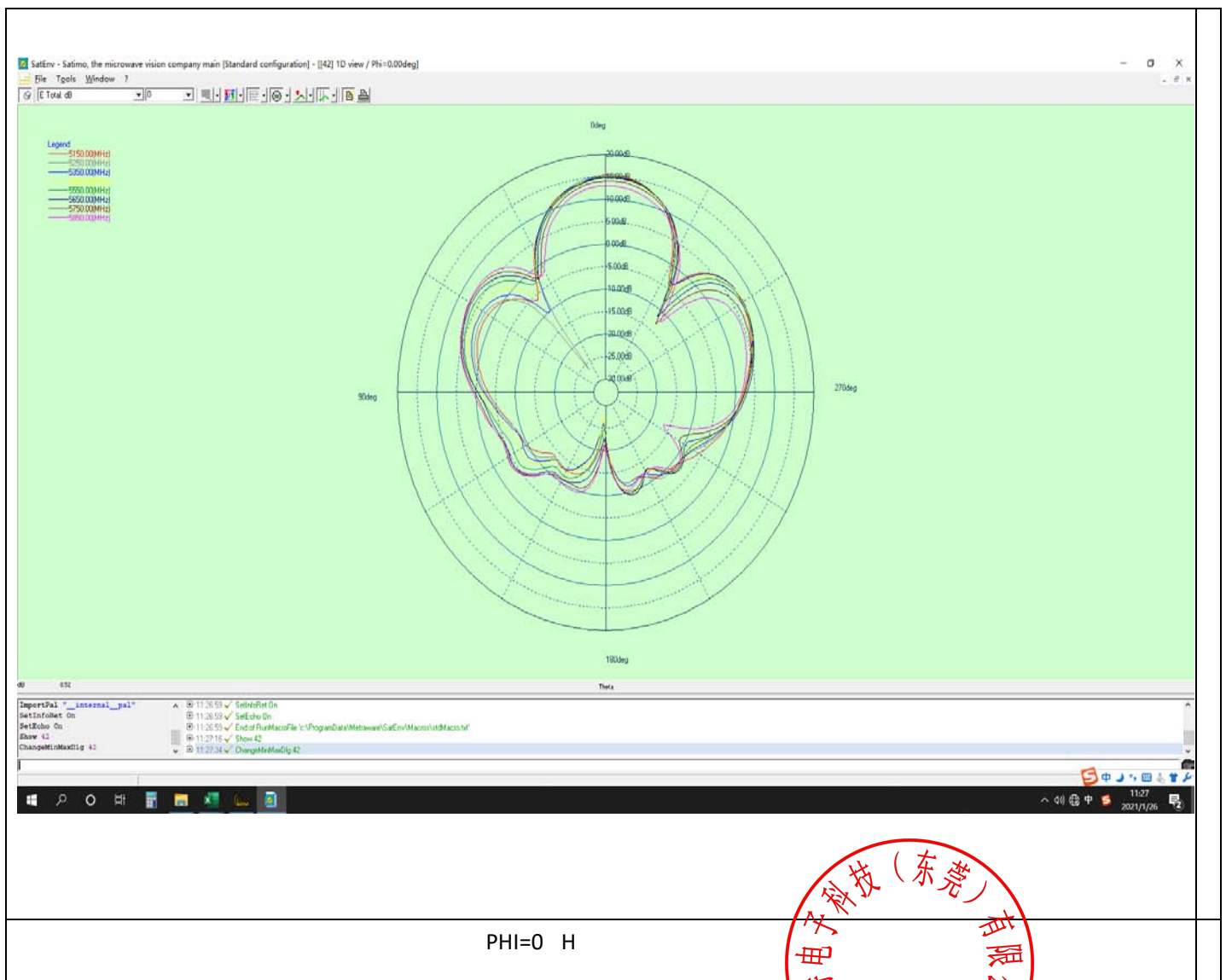


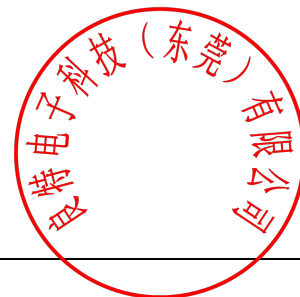
VSWR<2.0@5150~5850MHZ





2、2D direction diagram





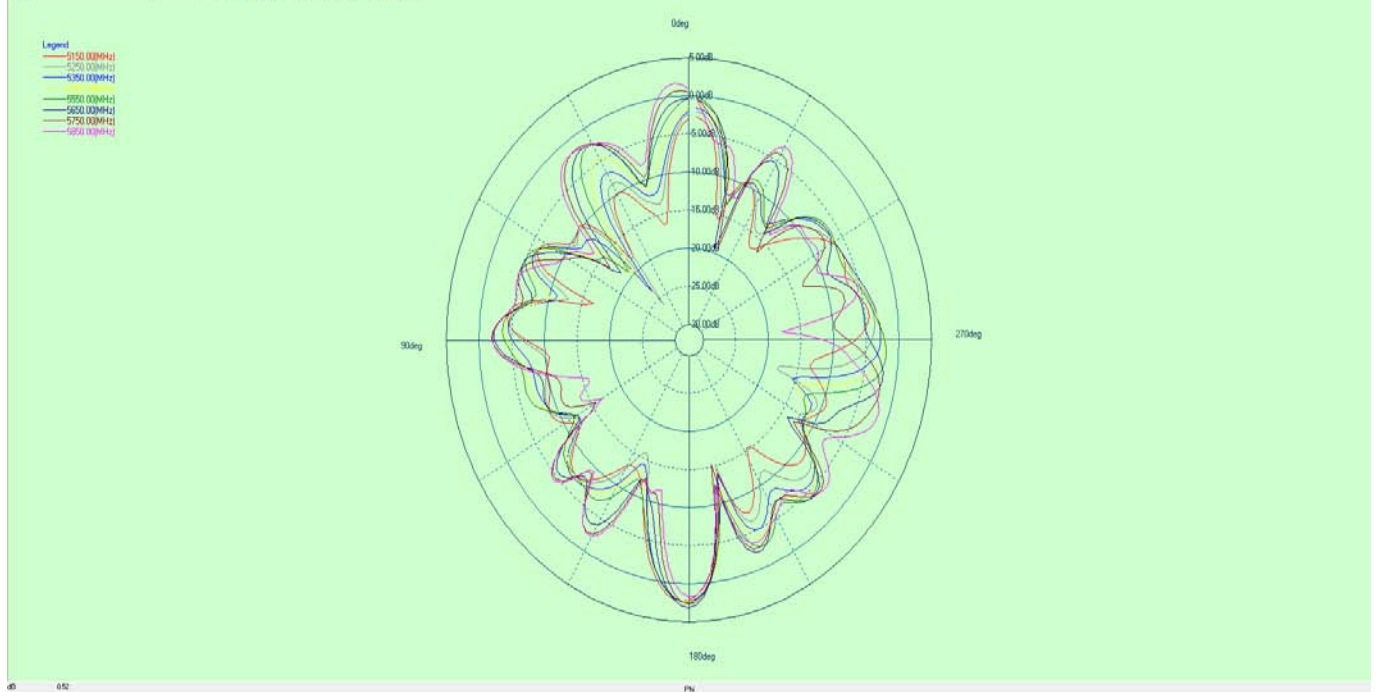
PHI=90 E



SatEnv - Satimo, the microwave vision company main (Standard configuration) - [[50] 1D view / Theta=90.00deg]

File Tools Window ?

Γ Total dB 90.0000000



dB 6.52

PN

Show 42 11:28:07 ✓ Show 42
Show 44 11:28:10 ✓ Show 44
ChangeMinMaxDig 44 11:28:21 ✓ ChangeMinMaxDig 44
Show 50 11:29:57 ✓ Show 50
ChangeMinMaxDig 50 11:30:00 ✓ ChangeMinMaxDig 50

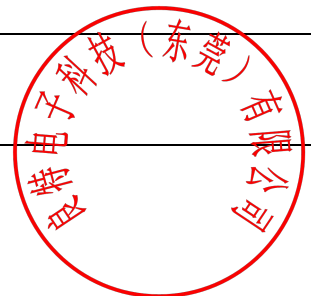
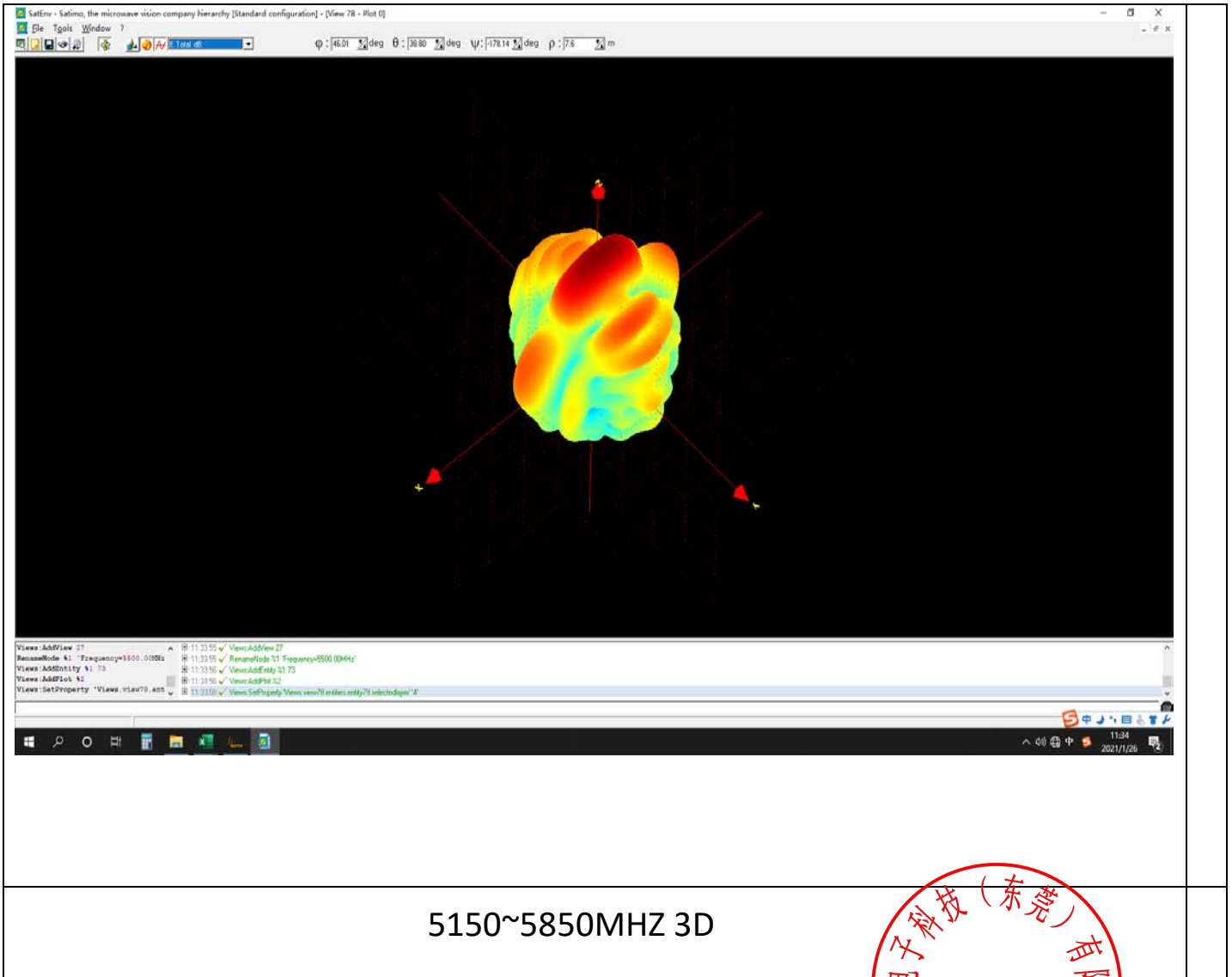
Windows taskbar with date 2021/1/26 and time 11:30

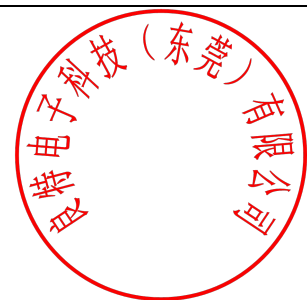
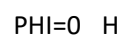


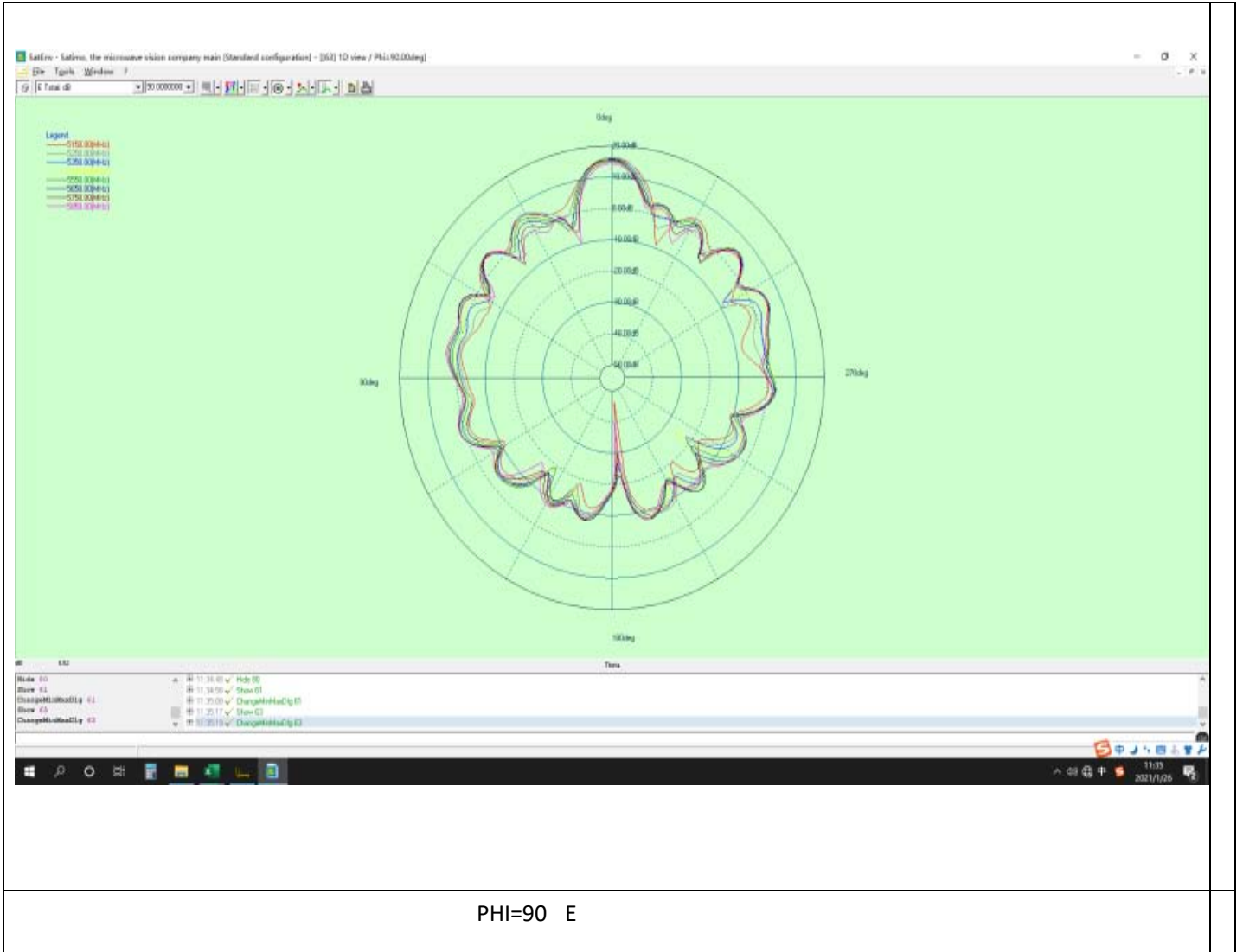
THETA=90 H

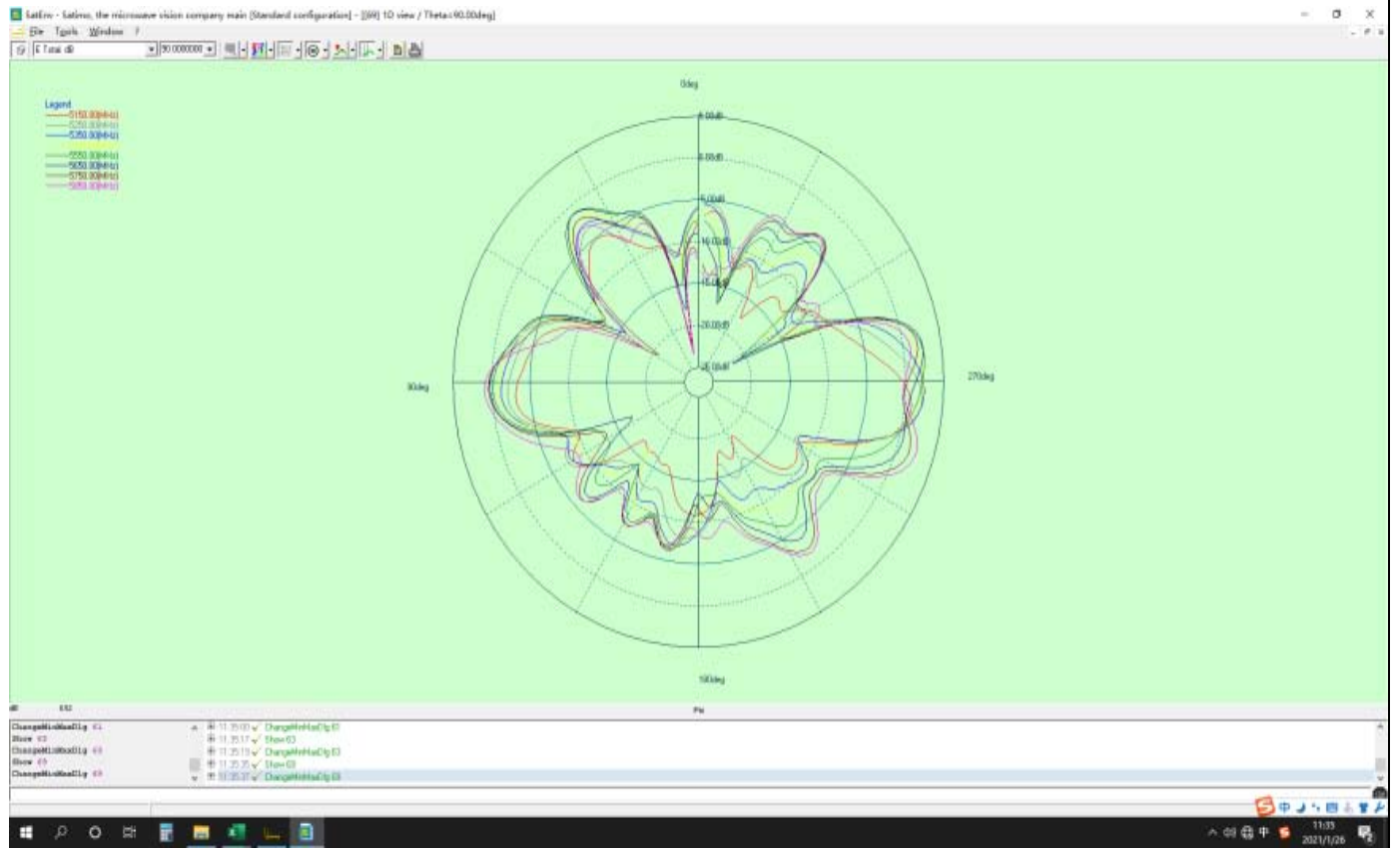


3、3D directional diagram



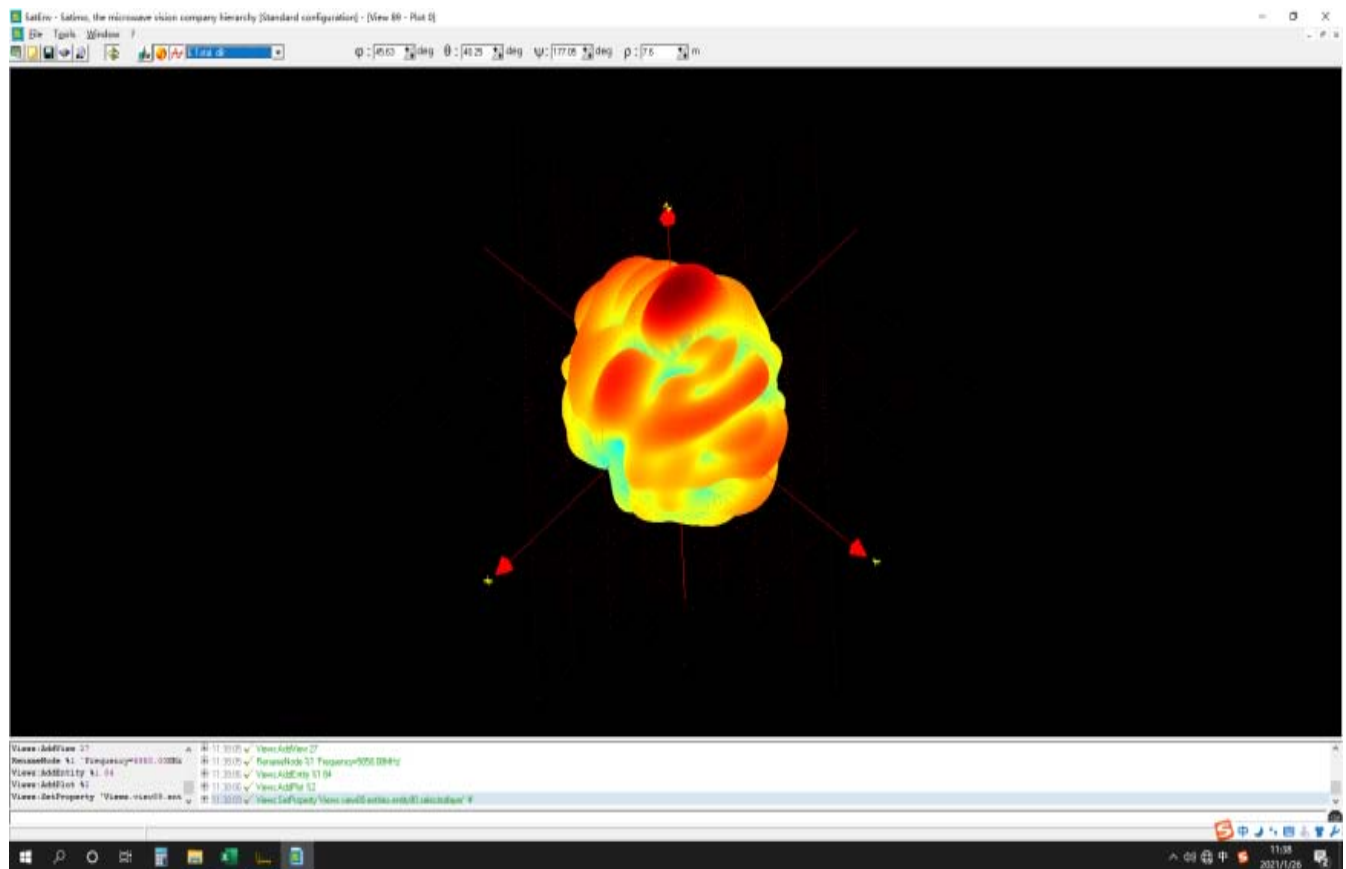




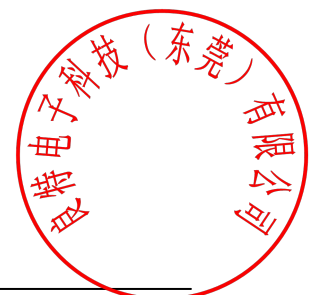




3D directional diagram



5150~5850MHZ 3D





4、Gain

Frequency	Efficiency	Gain . dB
5150000000	75%	15.30
5250000000	76%	15.33
5350000000	72%	14.98
5450000000	71%	14.71
5550000000	78%	14.94
5650000000	80%	14.73
5750000000	75%	14.02
5850000000	67%	14.94

Frequency	Efficiency	Gain . dB
5150000000	68%	15.73
5250000000	74%	16.13
5350000000	70%	15.65
5450000000	70%	15.40
5550000000	74%	15.66
5650000000	72%	15.41
5750000000	68%	14.90
5850000000	65%	14.30





Exceltek Electronics Technology (Dongguan) co., Ltd

Certificate Of Compliance

WE HEREBY CERTIFY THAT ALL RF CABLE ASSEMBLIES LISTED BELOW
ARE MANUFACTURED IN COMPLIANCE WITH Ruijie REQUIREMENTS. FOR
THE RAW MATERIAL INFORMATION, PLEASE REFER TO THE ATTACHED PART
LIST.

P/O.: SAMPLE

◆ REV: 01

QTY: 2 PCS

◆ DESCRIPTION: EXD-515815-30-VH-2MHF-V2 (EST350 V2)

◆ MPN:

◆ RoHS COMPLIANCE



REVIEWED BY: JIMMY

DATE: 2021-08-09

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Email: sales@exceltek.com

URL: www.exceltek.com

Declaration of RoHS Conformity

Customer: Ruijie Networks Co., Ltd.

Declares on raw material, package and process additive that use for specified in column that delivery to customers has been designed and manufactured in compliance with EU Directive 2011/65/EU RoHS requirement of restricted of hazardous substance. Upon the parts specified, we shall take the initiative in time to notify customers about the approval sheet once the material/manufacturing change to make product have any deviation on RoHS.

Company

Exceltek Electronics Technology(DongGuan)Co.,Ltd

Address

QiaoLi Administration,Chang ping,Dongguan City,China

