

规格承认书
SPECIFICATION FOR APPROVAL

日期
DATE: 2024.01.04
版本
REV.: V1.0

客 户
CUSTOMER: ATEL
客 户 料 号
CUSTOMER P/N:
品 名
PART NAME: BC20 wifi ant
供 方 料 号
SUPPLIER P/N: N12-7464-R0A

送样日期 Date: 送样数量 Q'TY: Pcs

客户确认 CUSTOMER APPROVED BY		
工程研发部	生产采购部	承认
ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

供方确认 SUPPLIER SIGNATURE		
研发部	工程部	批准
ENGINEER R&D DEPT	ENGINEER R&D DEPT	APPROVAL

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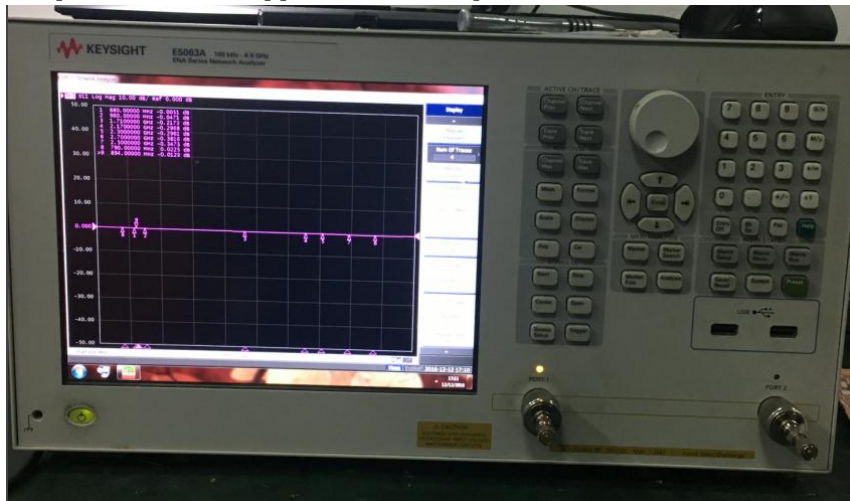
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1. RF Fixture Experiment

1.1 Test Setup

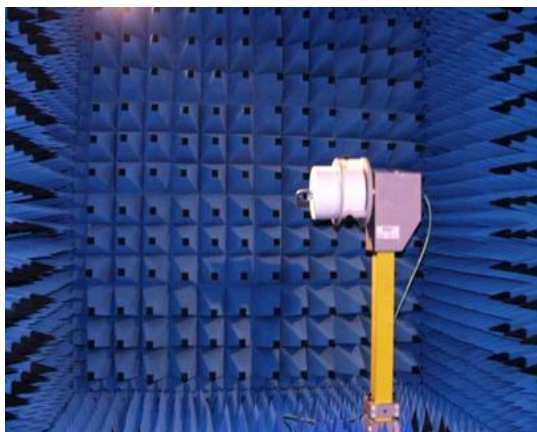
1.1.1 VNA Test Setup

VSWR and Return Loss measurements (S11) were performed using an Keysight E5071C Network Analyzer. The isolation between antennas is also tested. The testing was performed with apparatus in free space.



1.1.4 Anechoic Chamber Test Setup

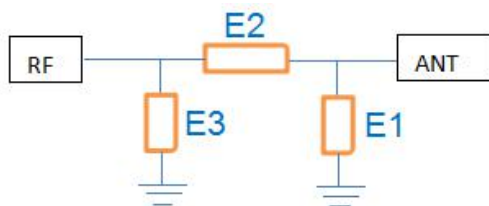
When we test Gain and Efficiency of the antenna, we will use the ETS 3D chamber. The chamber provides test frequency from 400MHz to 6GHz. The real test environment is showing as following picture





1.2 UE configuratio

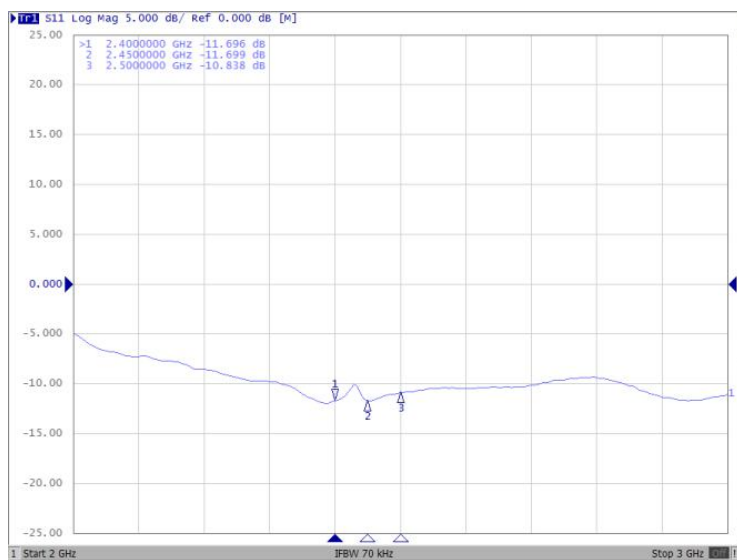
1.2.1 RF matching for different antennas



E1(0201)	NA
E2(0201)	0 ohm
E3(0201)	NA

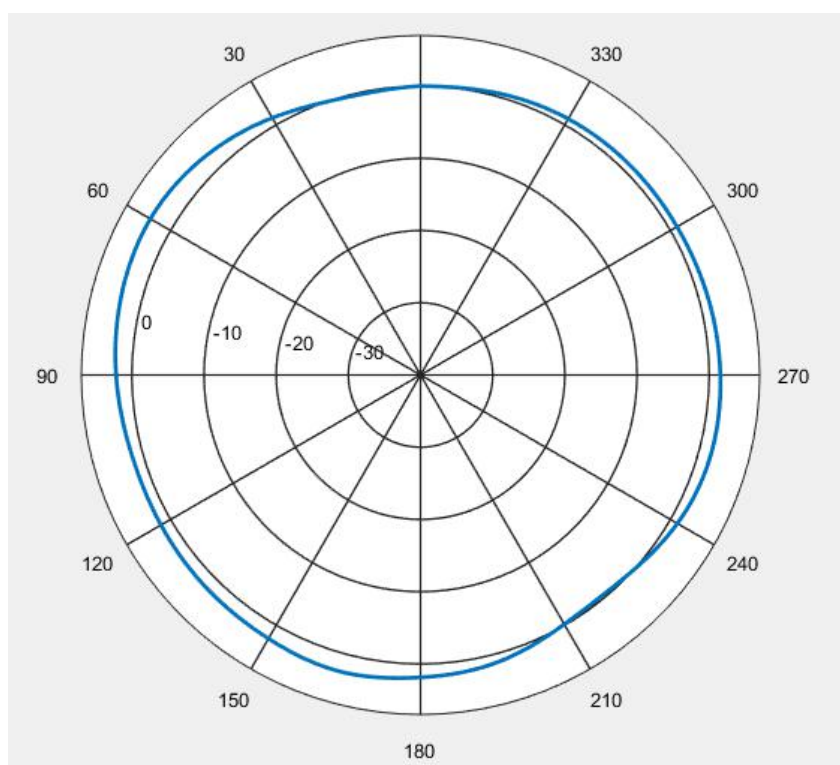
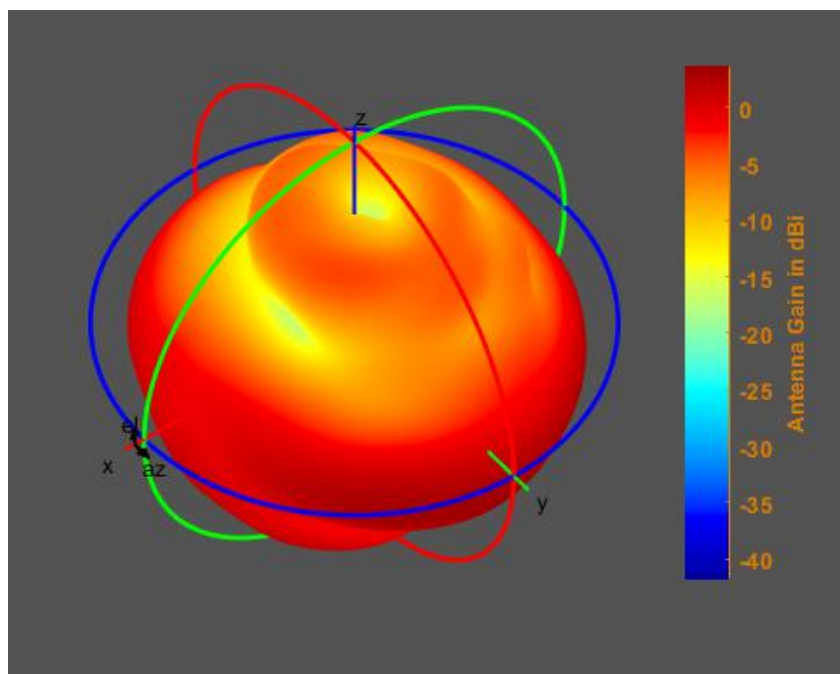
2.1. passive

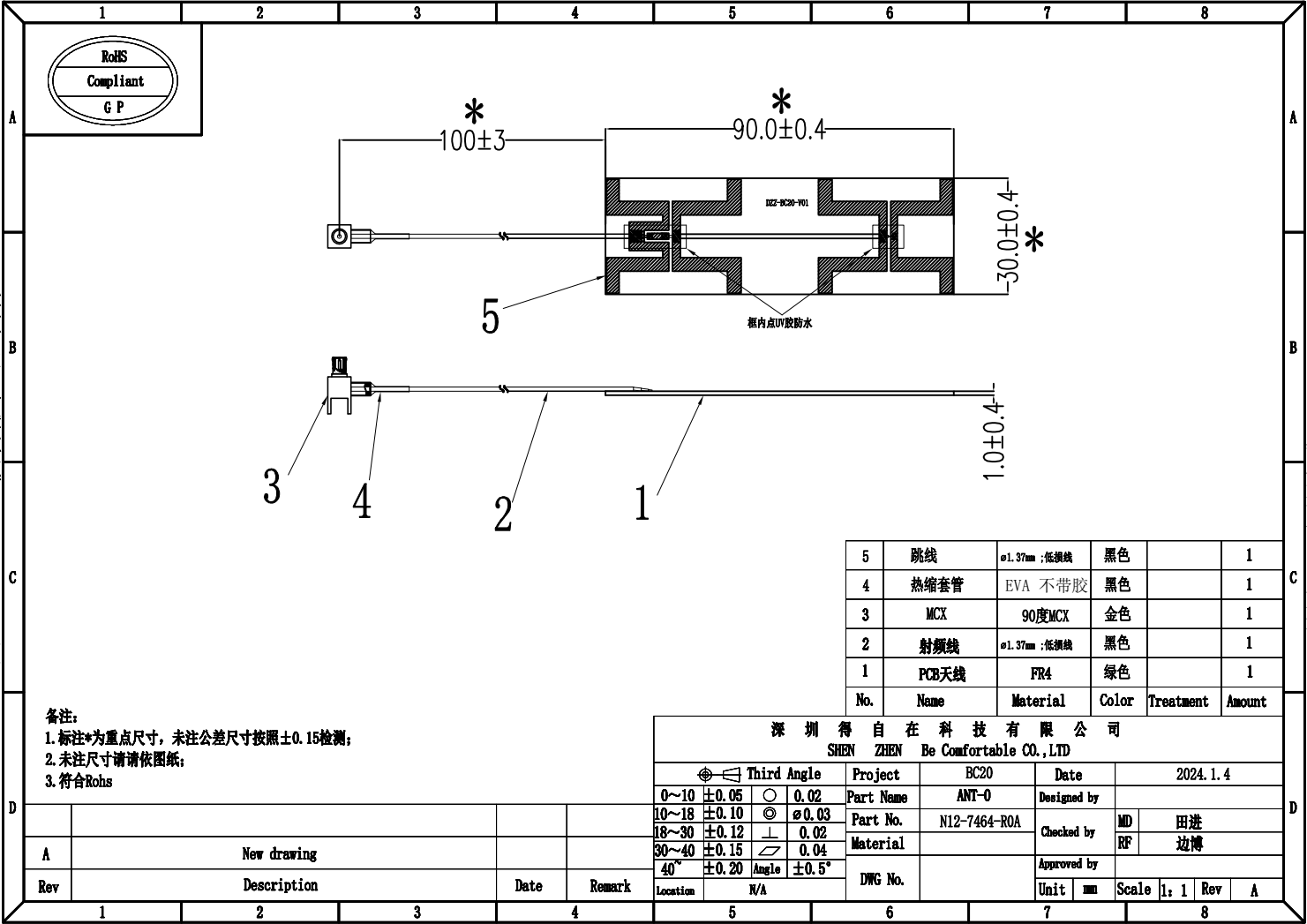
S11:



Frequency (MHz)	Gain(dB)	Efficiency(%)
2400	3.4387	63.3979
2410	3.2336	61.8866
2420	3.2236	65.0641
2430	3.3353	67.5064
2440	3.496	68.4562
2450	3.6745	71.2604
2460	3.8362	75.4746
2470	3.932	75.2622
2480	4.2609	76.9973
2490	4.2123	76.1136
2500	4.1451	74.4136

2.2 2D&3D





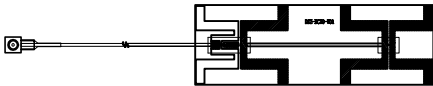
日期：2023. 12. 29

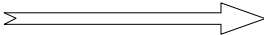
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		版本：A
成品名称 :BC20成品天线		

1)成品天线

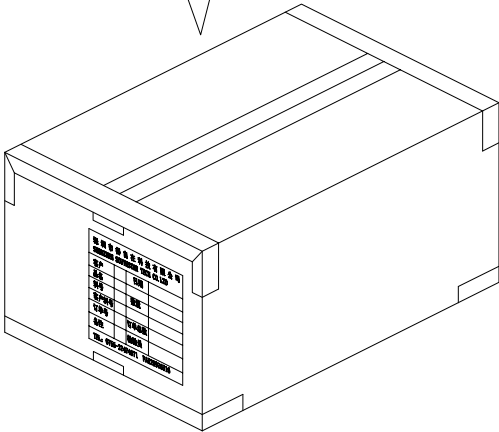
二：用PE袋







四：装一箱，以实际包装为准



五：封箱,外箱贴我司生产标签和 **ROHS**标签.

批准：_____

确认：_____

拟制：田进