



TE Confidential

# 天线技术规格书

客户	<b>NEXCOM</b>
机种名称	
客户 P/N	603ANT0143X00 & 603ANT0144X00
泰科 P/N	2-1513472-1 & 2-1513472-2
天线类型	PIFA type Antenna

结构工程师	射频工程师	审核	批准
Ares	Jessica Wu	Aku Huang	Richard Gong

客户批准



*TE Confidential*

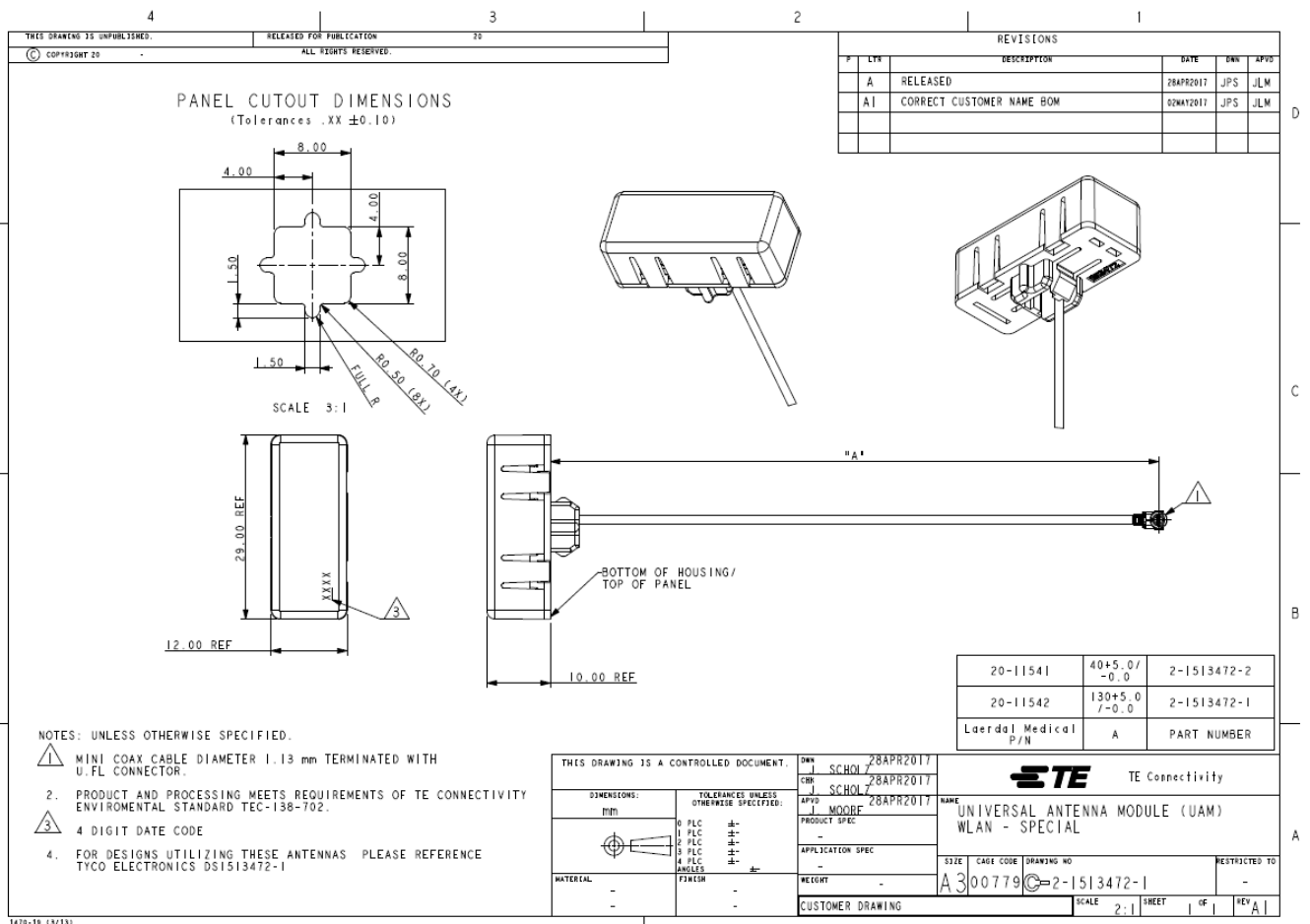
## 目录

1. 目录
2. 天线结构图
3. 天线图片
4. 天线参数
5. 天线测试条件
6. 测试结果

## 2. 天线结构图

### 2.1 WIFI Antenna (2-1513472-1 & 2-1513472-2)

603ANT0143X00 & 603ANT0144X00



### 3. 天线图片

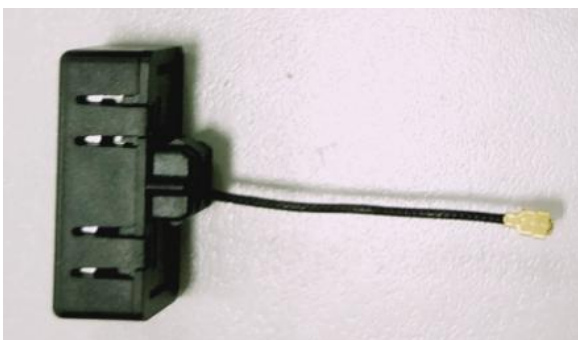
WIFI (P/N: 2-1513472-1)

603ANT0143X00



WIFI (P/N: 2-1513472-2)

603ANT0144X00





*TE Confidential*

## 4. 天线参数

天线频段范围: **2400~2500MHz & 5150-5875MHz**

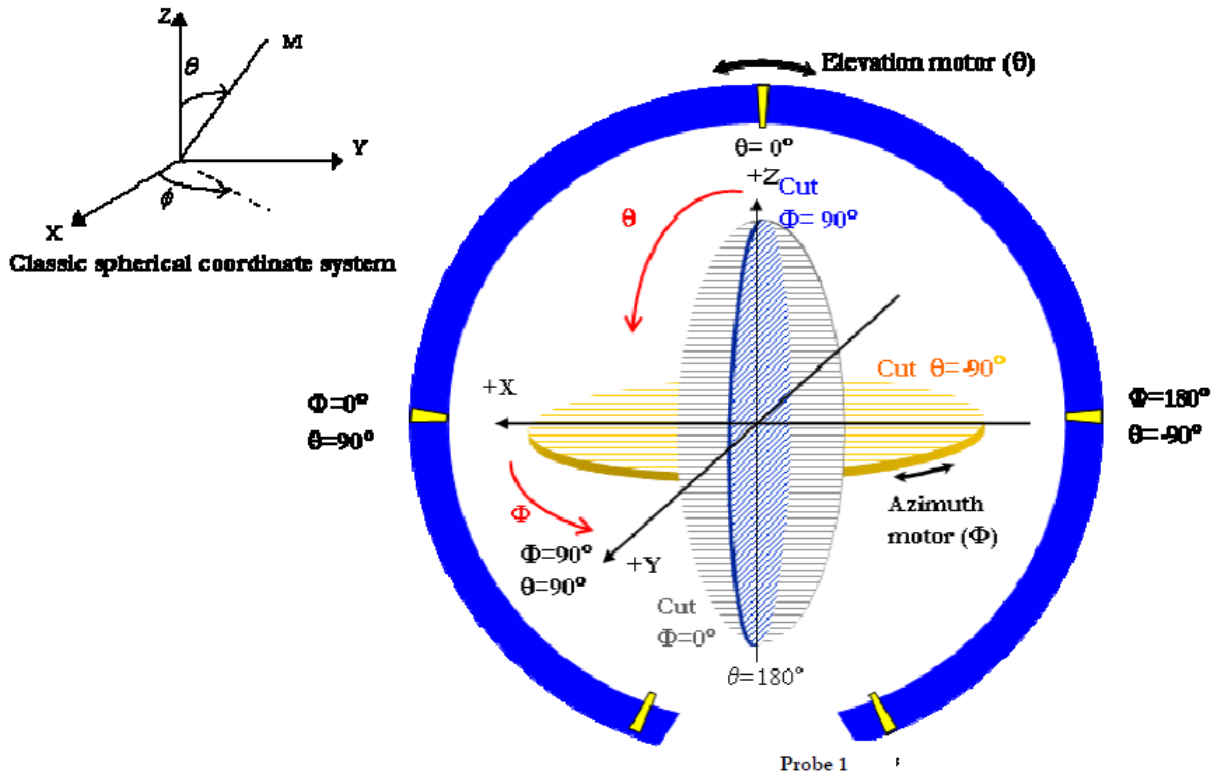
连接头: **RF Connector**

线材: **Coaxial Dia. 1.13mm**

阻抗: **50  $\Omega$**

## 5. 天线测试条件

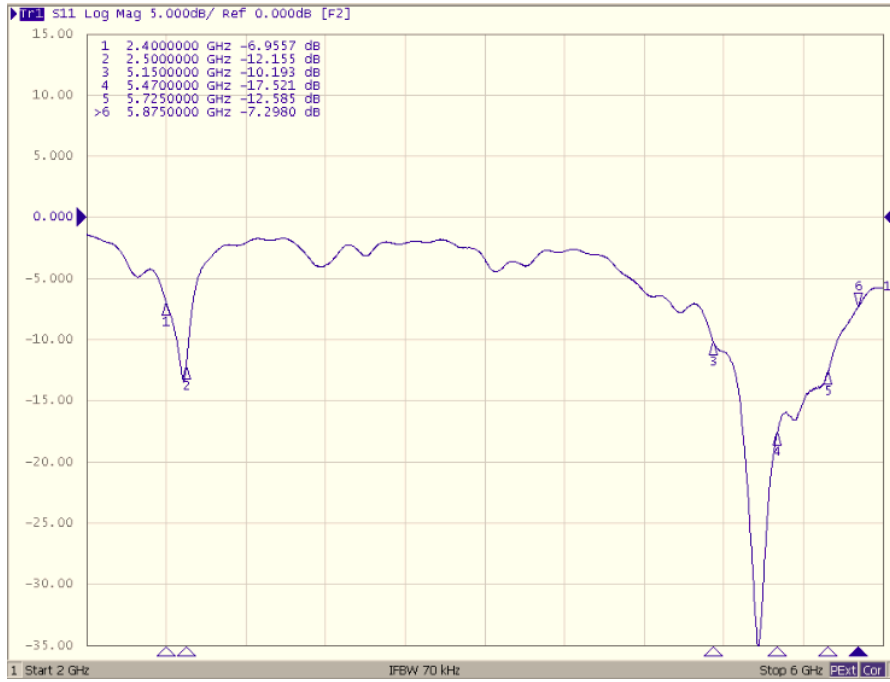
(Testing by SG24 3D anechoic chamber)



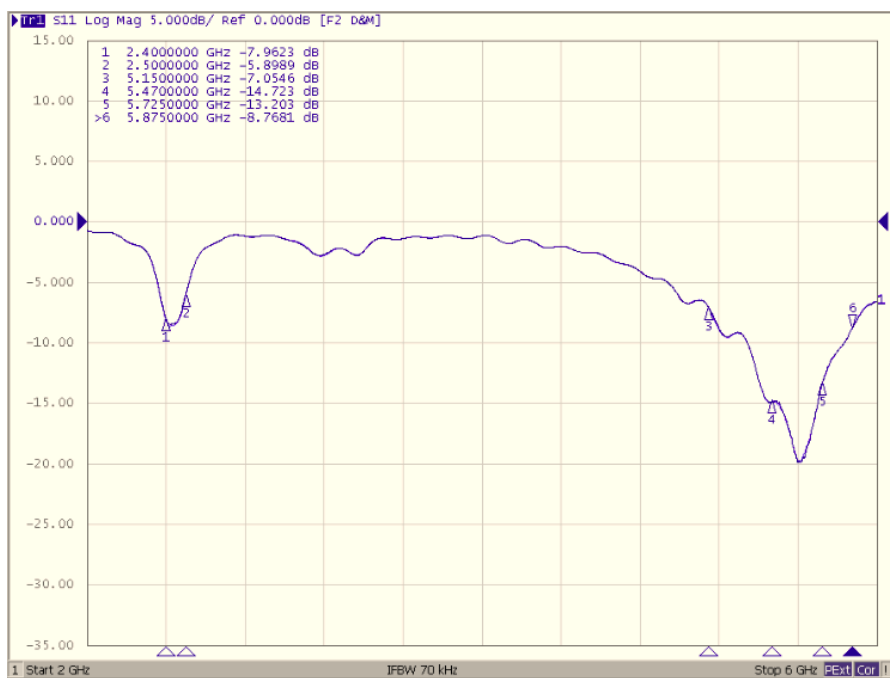
## 6. 测试结果

### 6.1 Return Loss

P/N:2-1513472-1



P/N:2-1513472-2





*TE Confidential*

## 6.2 Efficiency and Peak Gain

P/N: 2-1513472-1

Freq(MHz)	Efficiency	Peak gain
2400	-3.4	0.9
2442	-2.6	0.9
2484	-2.3	1.1
5150	-2.4	2.2
5250	-1.4	4.8
5350	-0.9	3.7
5470	-0.7	4.8
5725	-1.4	3.9
5785	-1.3	5.1
5875	-2.5	4.2

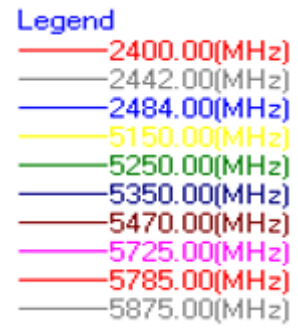
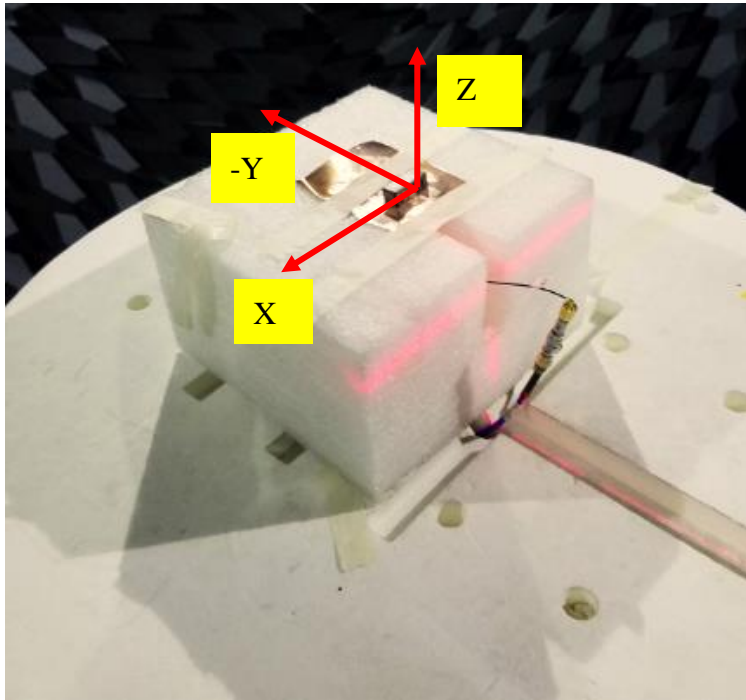
P/N: 2-1513472-2

Freq (MHz)	Efficiency	Peak gain
2400	-3.7	-0.2
2442	-2.8	0.9
2484	-2.9	0.9
5150	-2.3	3.2
5250	-1.6	4.6
5350	-0.8	4.7
5470	-0.7	5.8
5725	-1.1	4.2
5785	-0.7	4.3
5875	-1.4	4.1

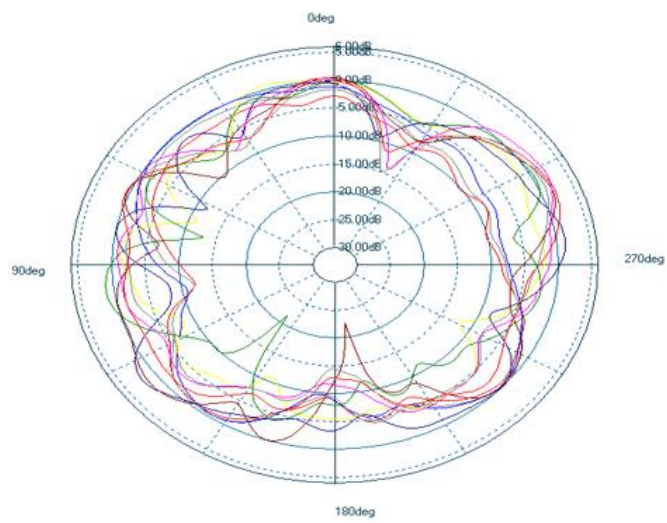


### 6.3 方向图 (2D)

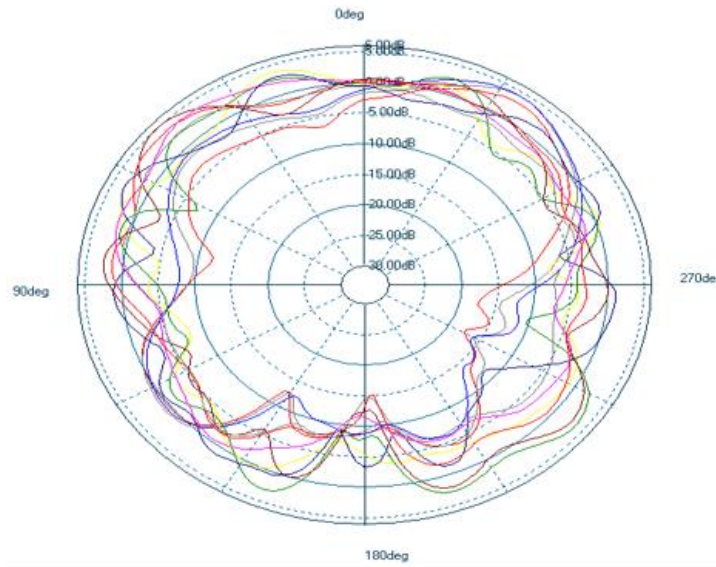
P/N: 2-1513472-1



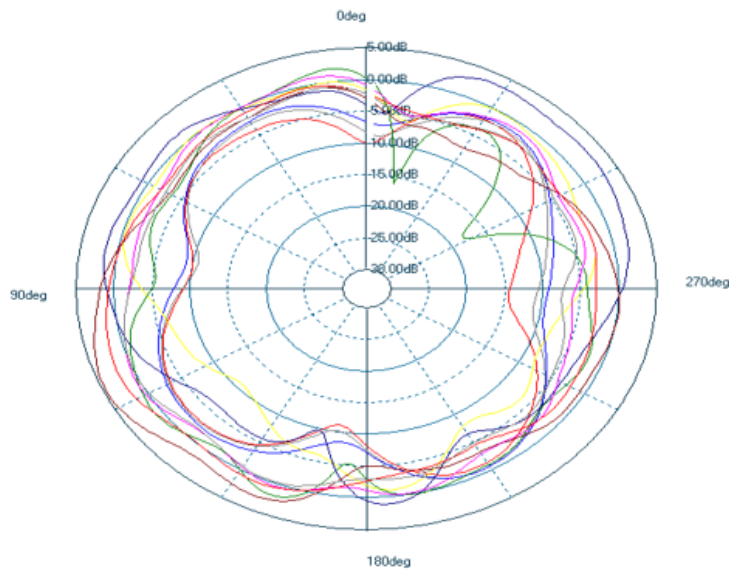
Phi=0 (Y-Z plane)



Phi=90 (X-Z plane)

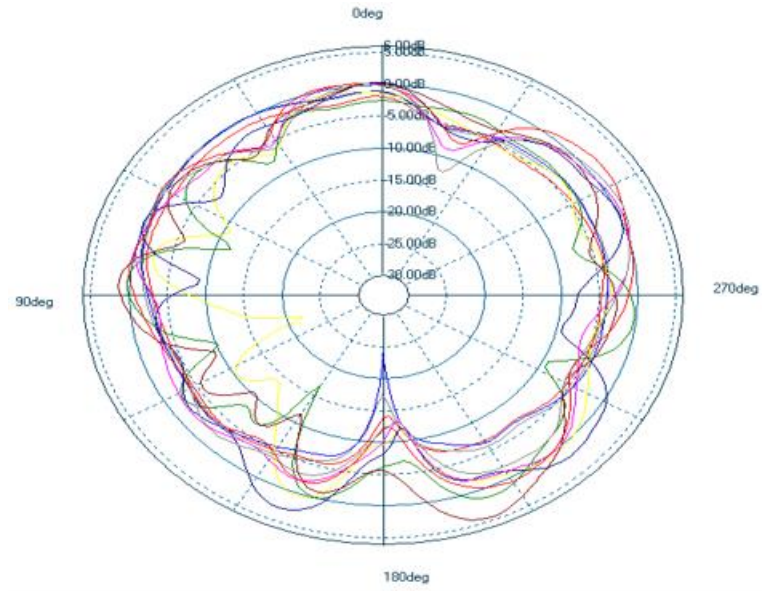


Theta=90 (X-Y plane)

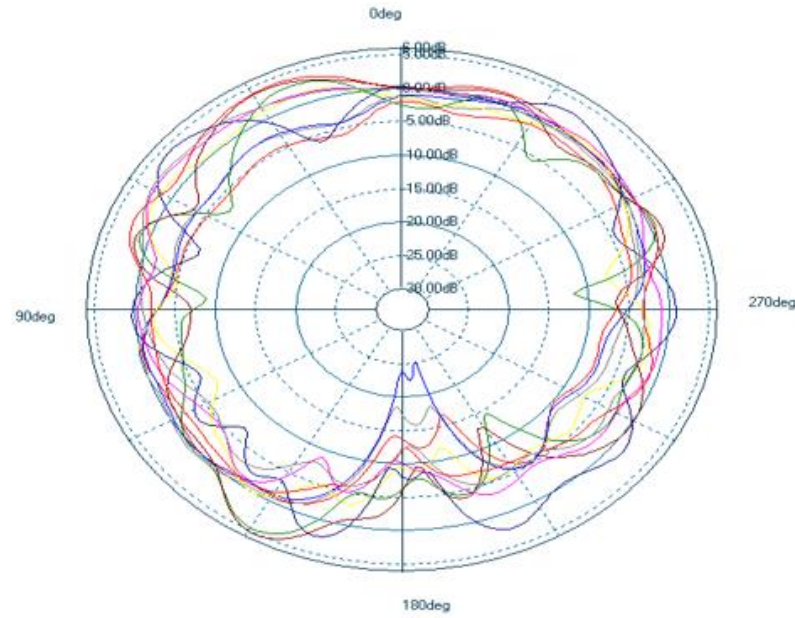


P/N: 2-1513472-2

Phi=0 (Y-Z plane)



Phi=90 (X-Z plane)



Theta=90 (X-Y plane)

