



HEYUAN XUNWEI MICROWAVE
COMMUNICATION CO.,LTD

S419T Mobile antenna test report

RF: Kang Guangqi

Date: 2023.04.06

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1、 Test equipment

Wireless communications test set: CMW500

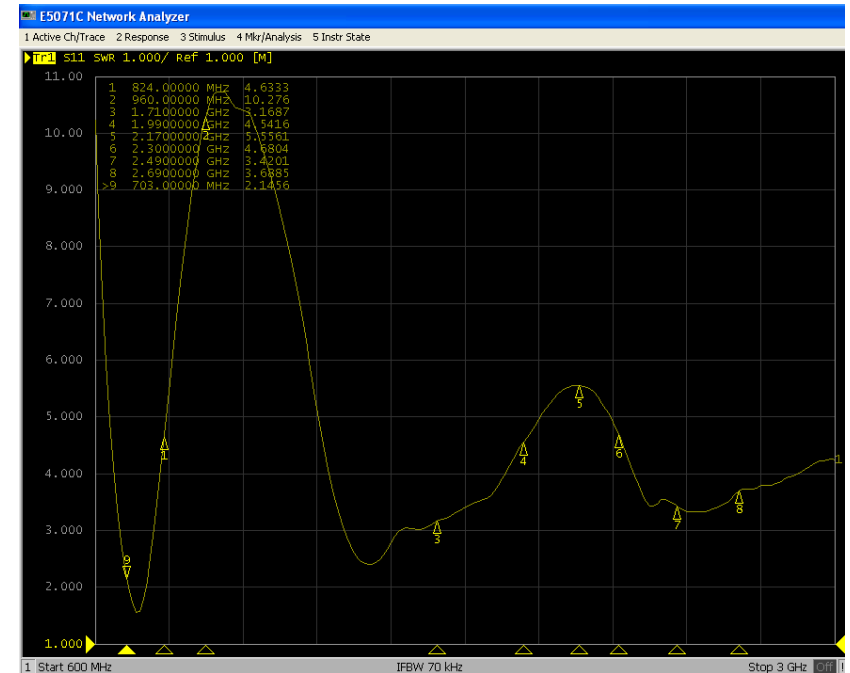
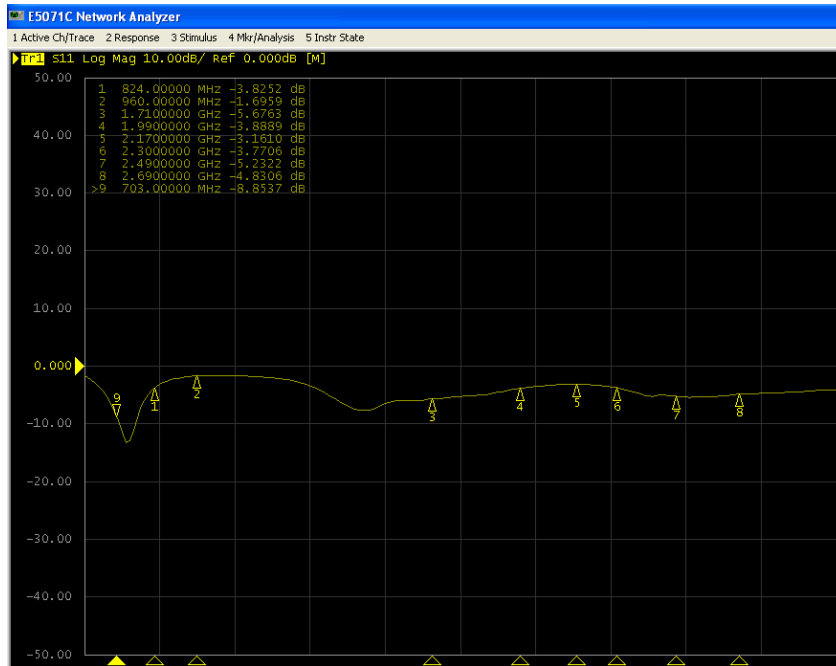
Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24



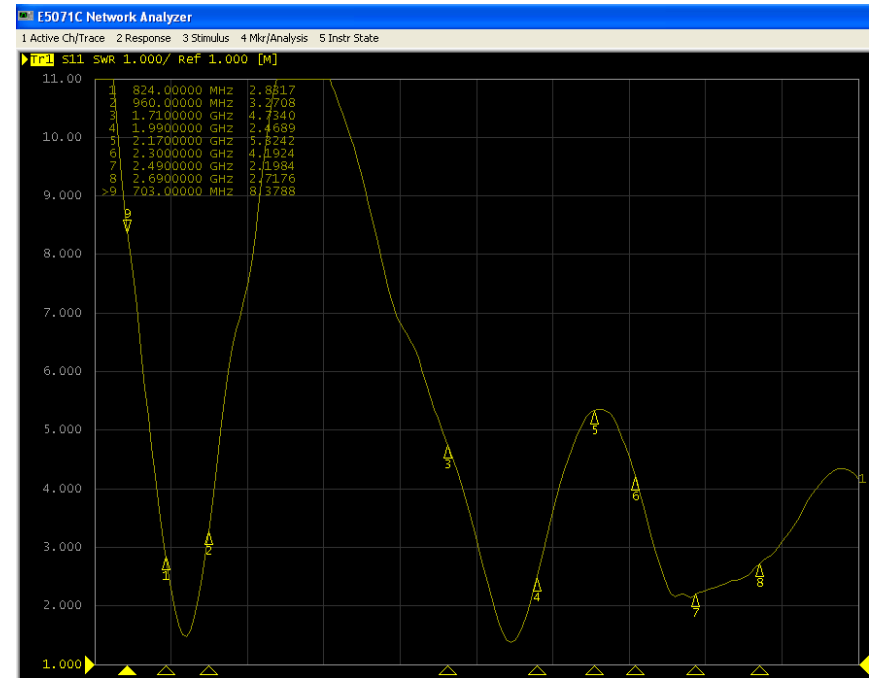
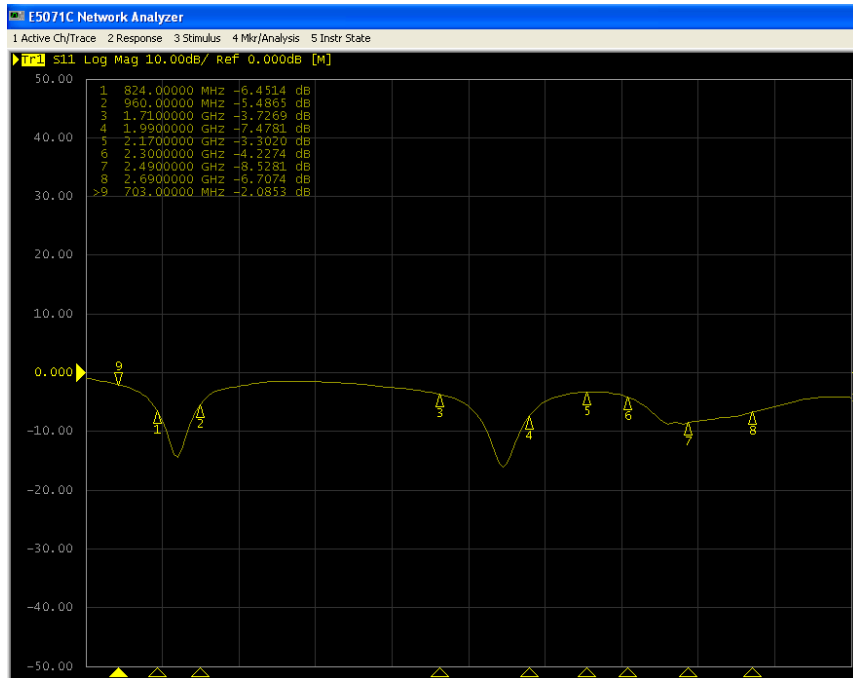
2、Passive data

2.1 Main antenna Return Loss & VSWR(700~800M)



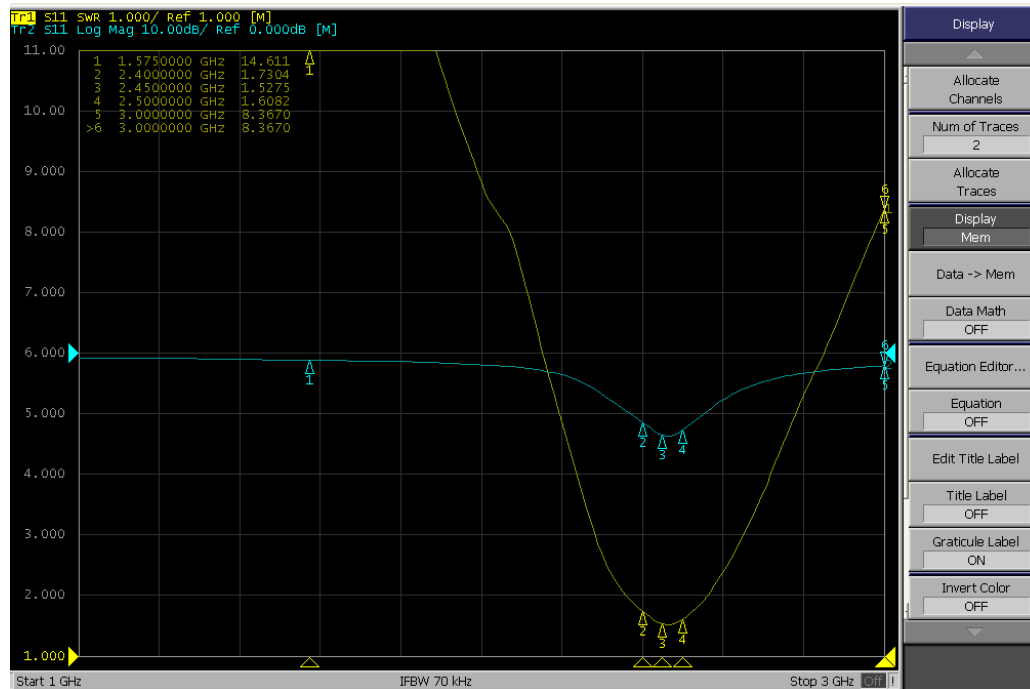
Frequency	700MHZ	800MHZ
Return Loss	-8.8	-4.6
VSWR	2.1	3.7

2.2 Main antenna Return Loss & VSWR(824~2700M)



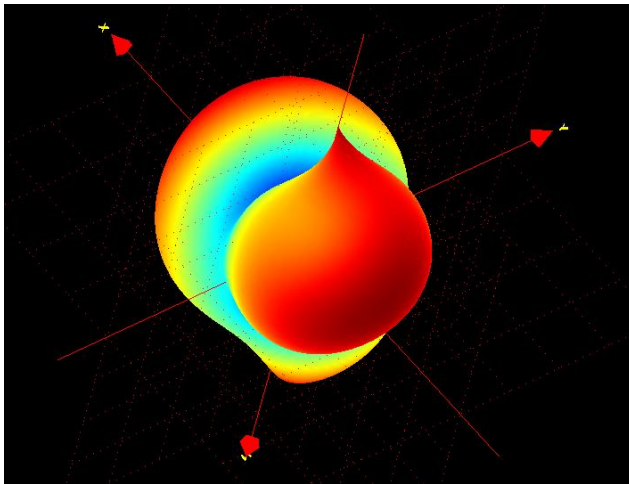
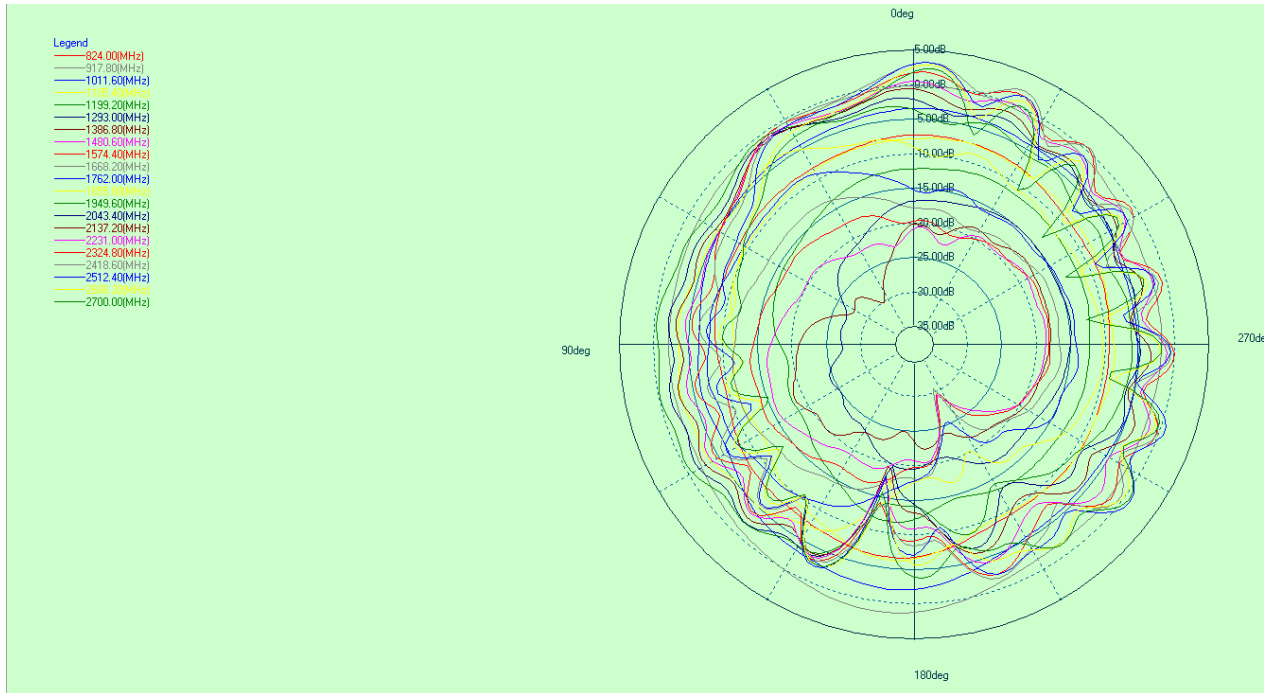
Frequency	824MHZ	2700MHZ
Return Loss	-6.4	-6.9
VSWR	2.8	2.7

2.3 BT antenna Return Loss & VSWR(2400~2500M)



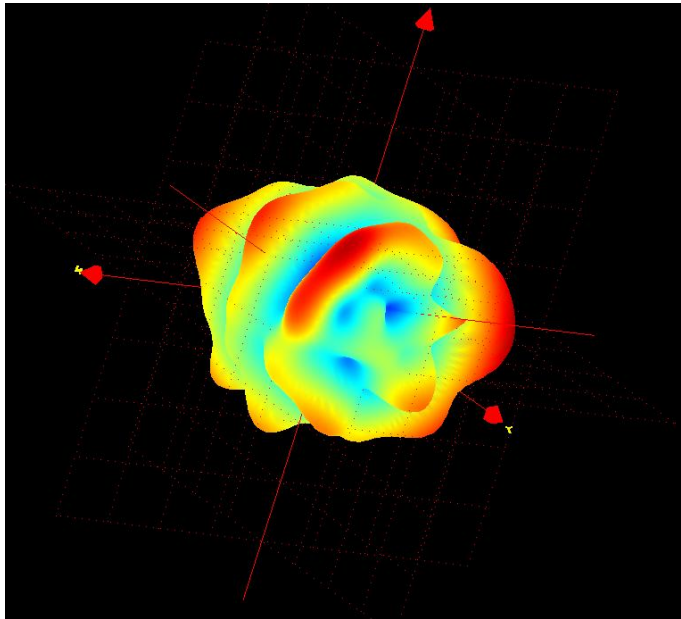
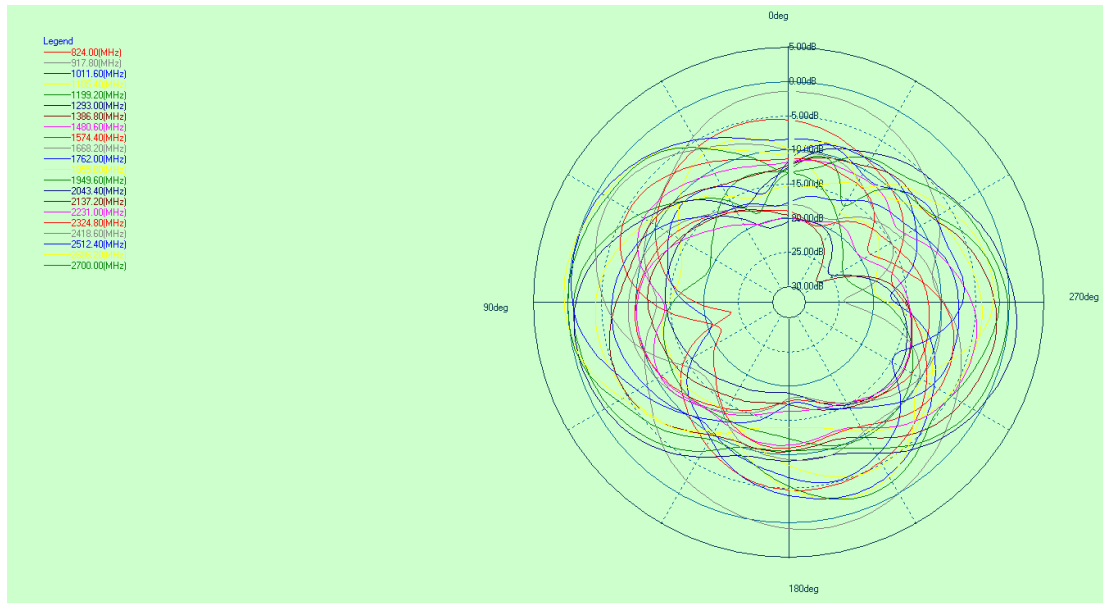
Frequency	2400MHZ	2500MHZ
Return Loss	-11.7	-12.3
VSWR	1.4	1.6

2.4 Main antenna Peak Gain(700~800M)



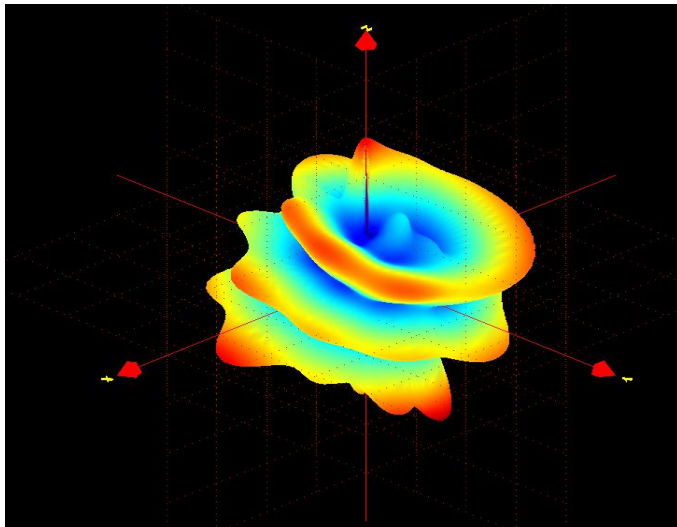
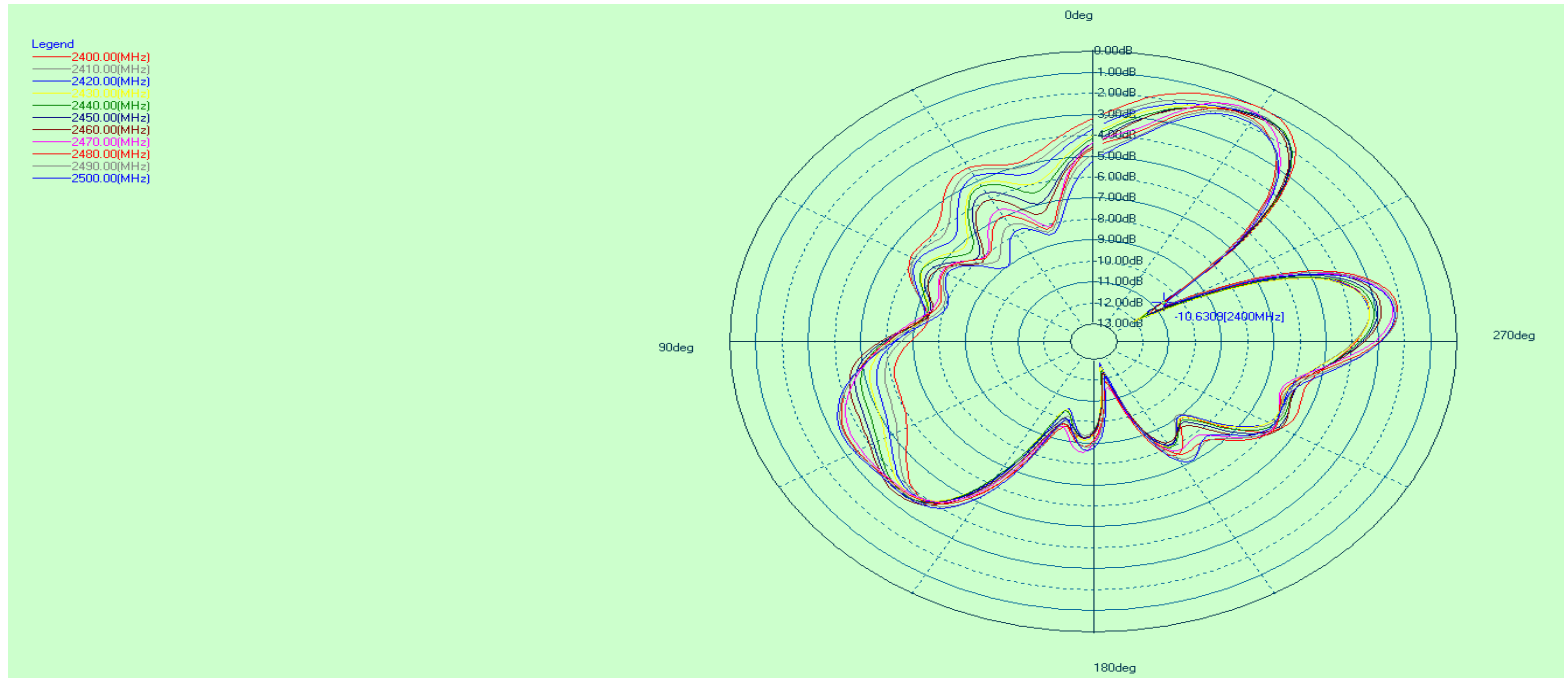
Freq.(MHZ)	Peak .Gain	Effi.(%)
750	-0.87	24.6

2.5 Main antenna Peak Gain(824~2700M)



Freq.(MHZ)	Peak .Gain	Effi.(%)
824	-0.68	30.5
2700	0.75	37.4

2.6 BT antenna Peak Gain(2400~2500M)

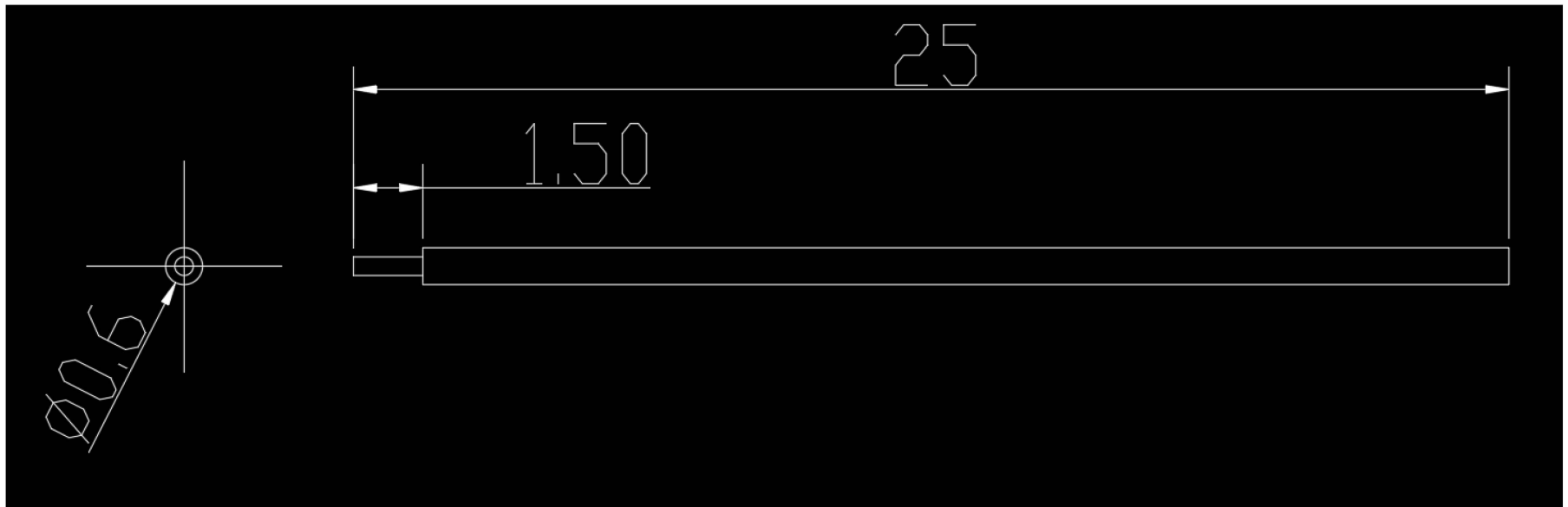


Freq.(MHZ)	Peak .Gain	Effi.(%)
2400	-0.84	20.7
2500	-0.75	20.1

BT Antenna

Antenna type: Cable Antenna

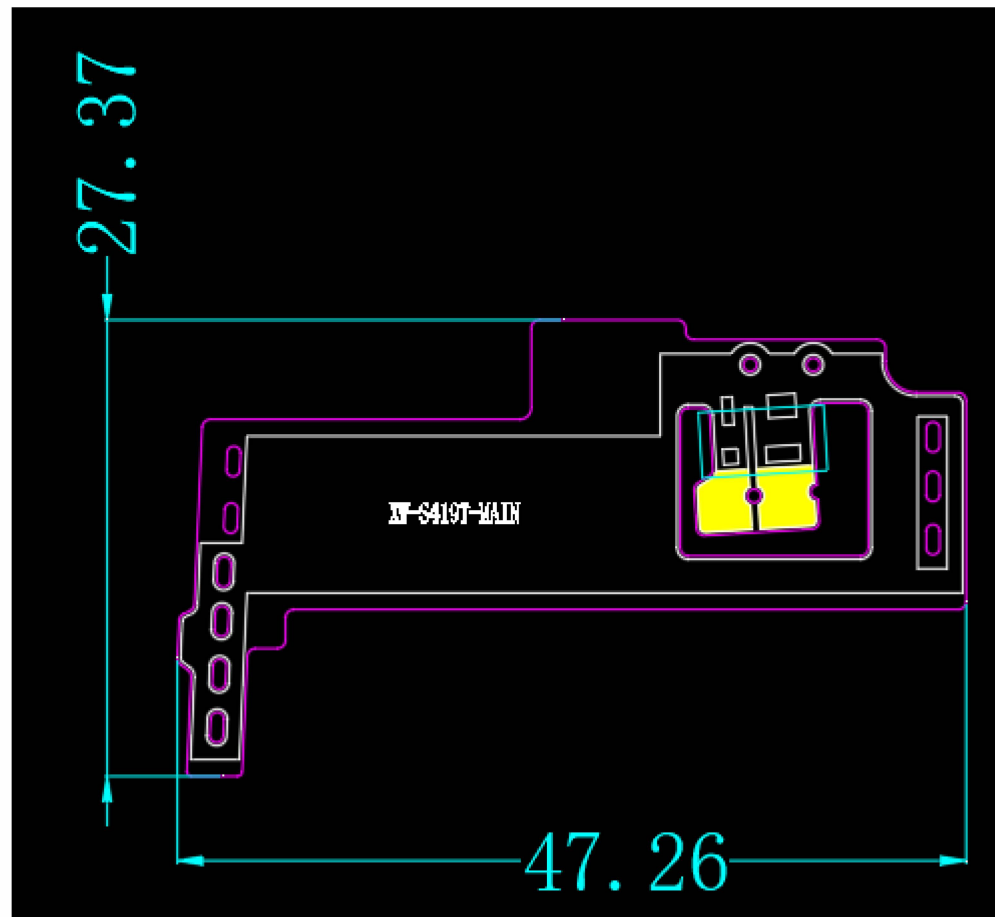
Unit:mm



GSM/WCDMA/LTE Main Antenna

Antenna type: PIFA Antenna

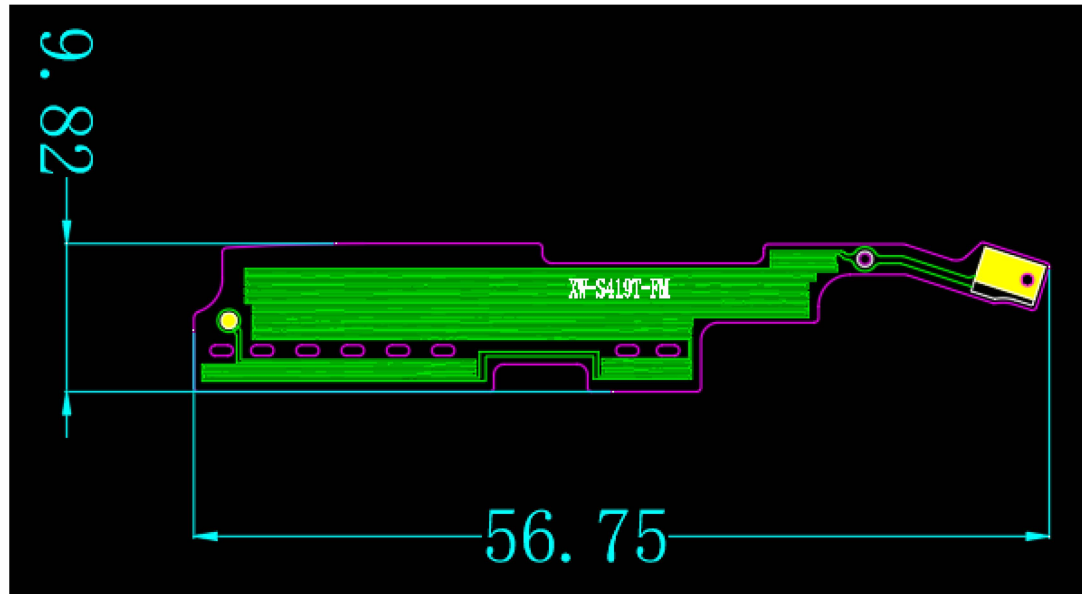
Unit:mm



LTE Aux Antenna

Antenna type: PIFA Antenna

Unit:mm



3 、 Contact information

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