



HEYUAN XUNWEI MICROWAVE
COMMUNICATION CO.,LTD

F1-USA WiFi&BT antenna test report

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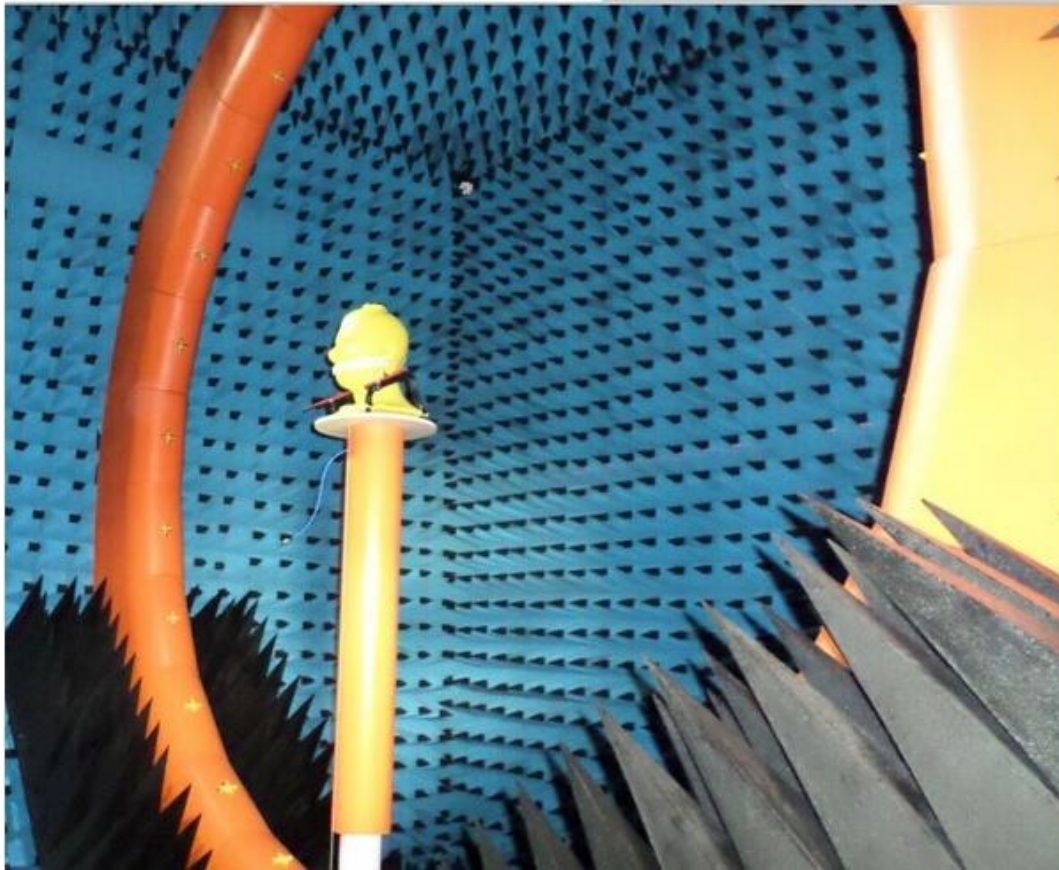
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1、 Test Equipment

Wireless communications test set: CMW500

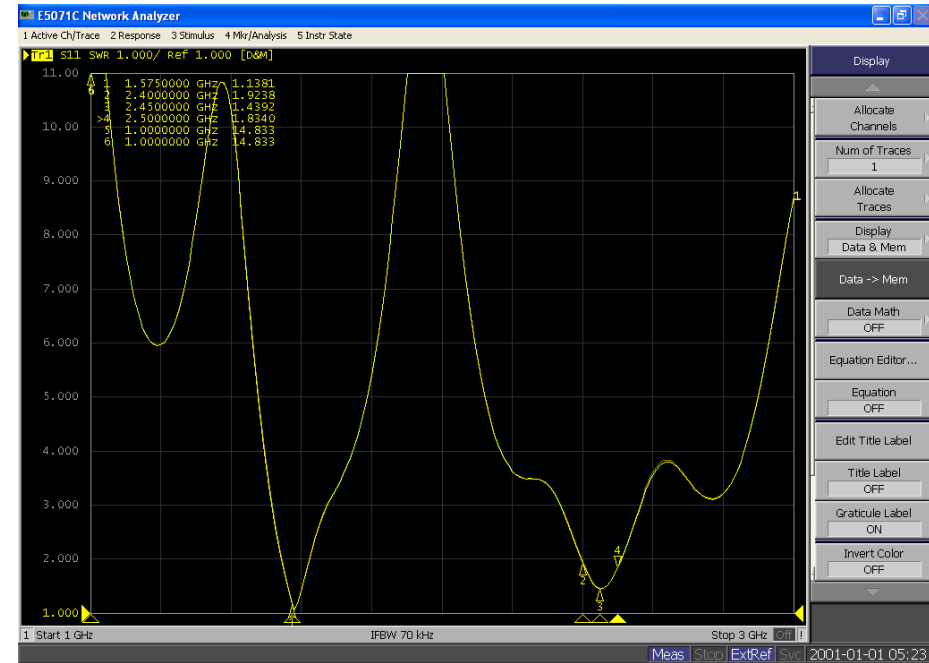
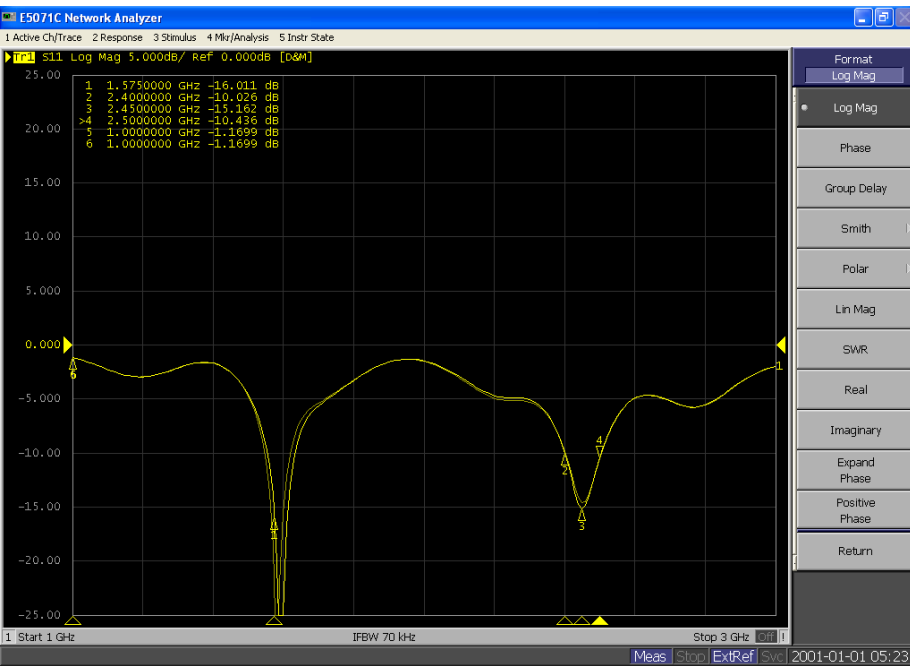
Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24



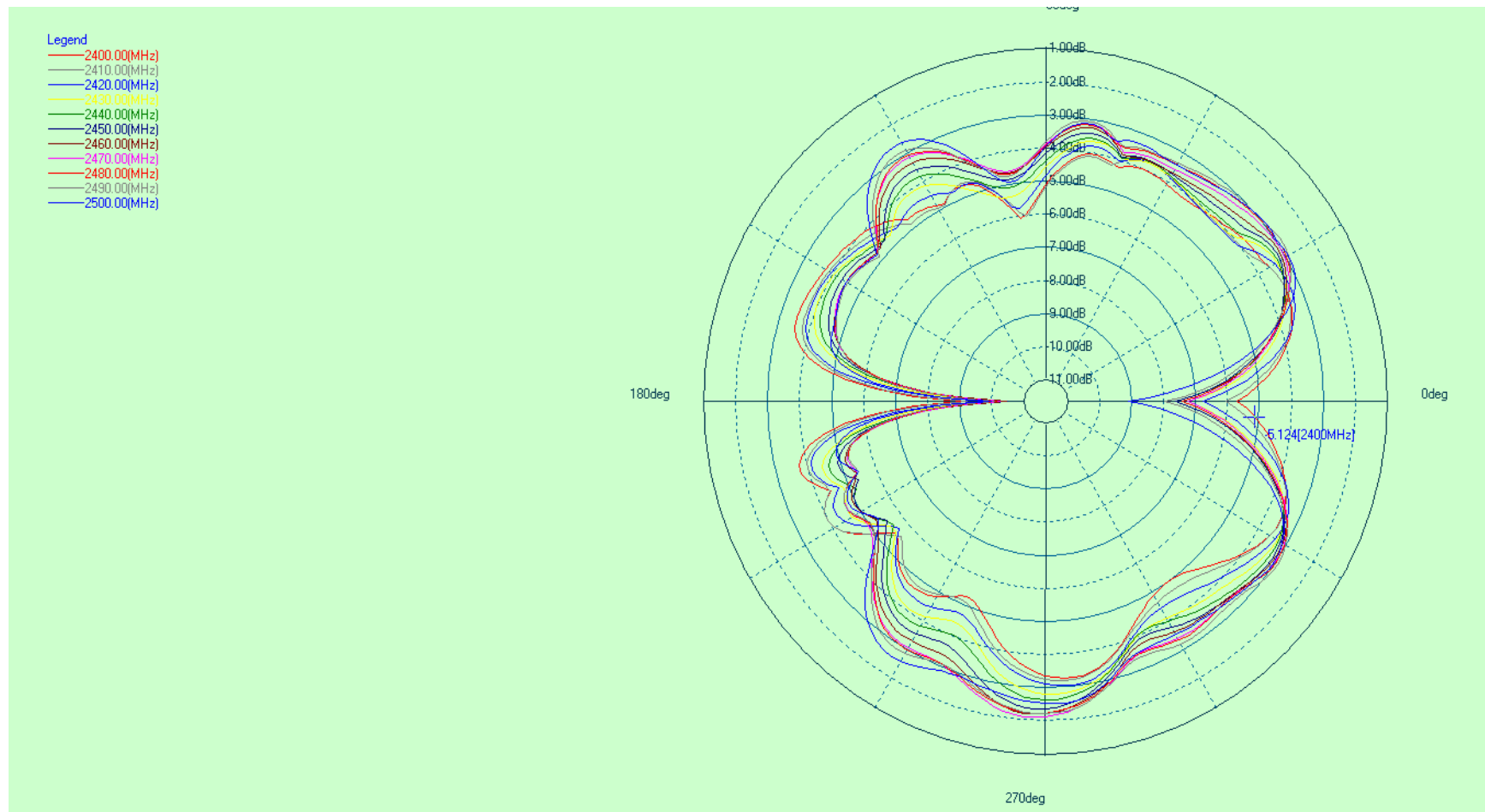
2、Passive data

2.4G-WIFI&BT antenna Return Loss & VSWR



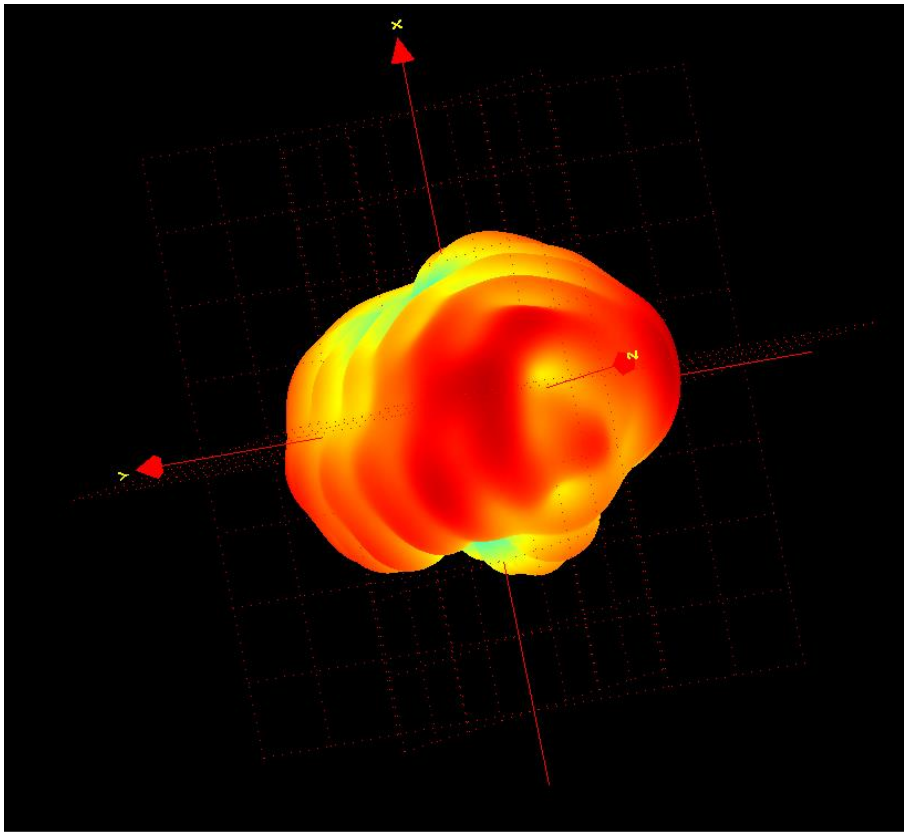
Frequency	2400MHZ	2450MHZ	2500MHZ
Return Loss	-10.0	-15.1	-10.4
VSWR	1.9	1.4	1.8

2.4G-WIFI & BT antenna Peak Gain



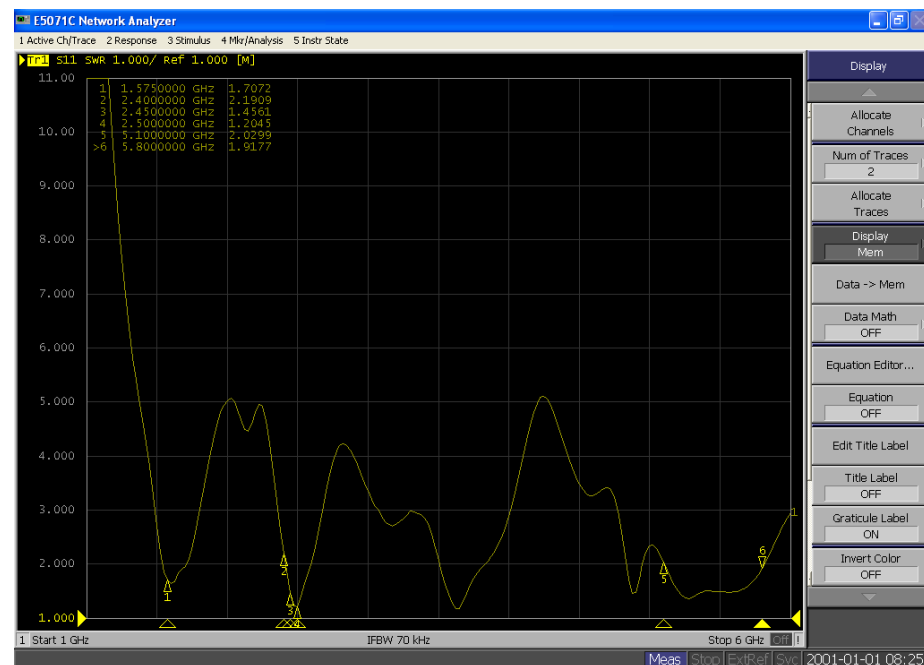
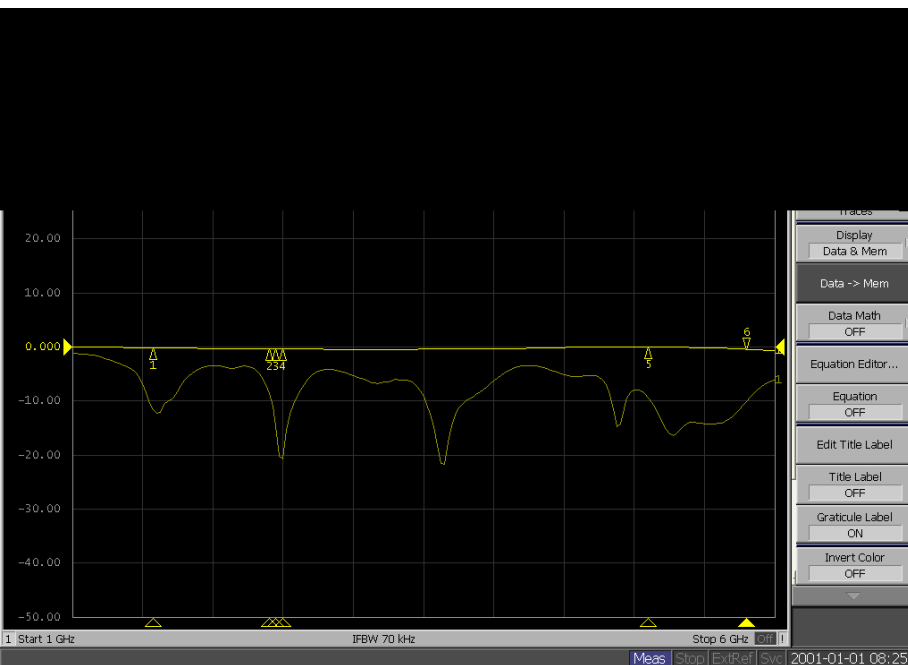
2450MHZ	Peak Gain
XZ-Plane	-0.76
YZ-Plane	-0.74
XY-Plane	-0.76

2.4G-WIFI & BT antenna passive efficiency



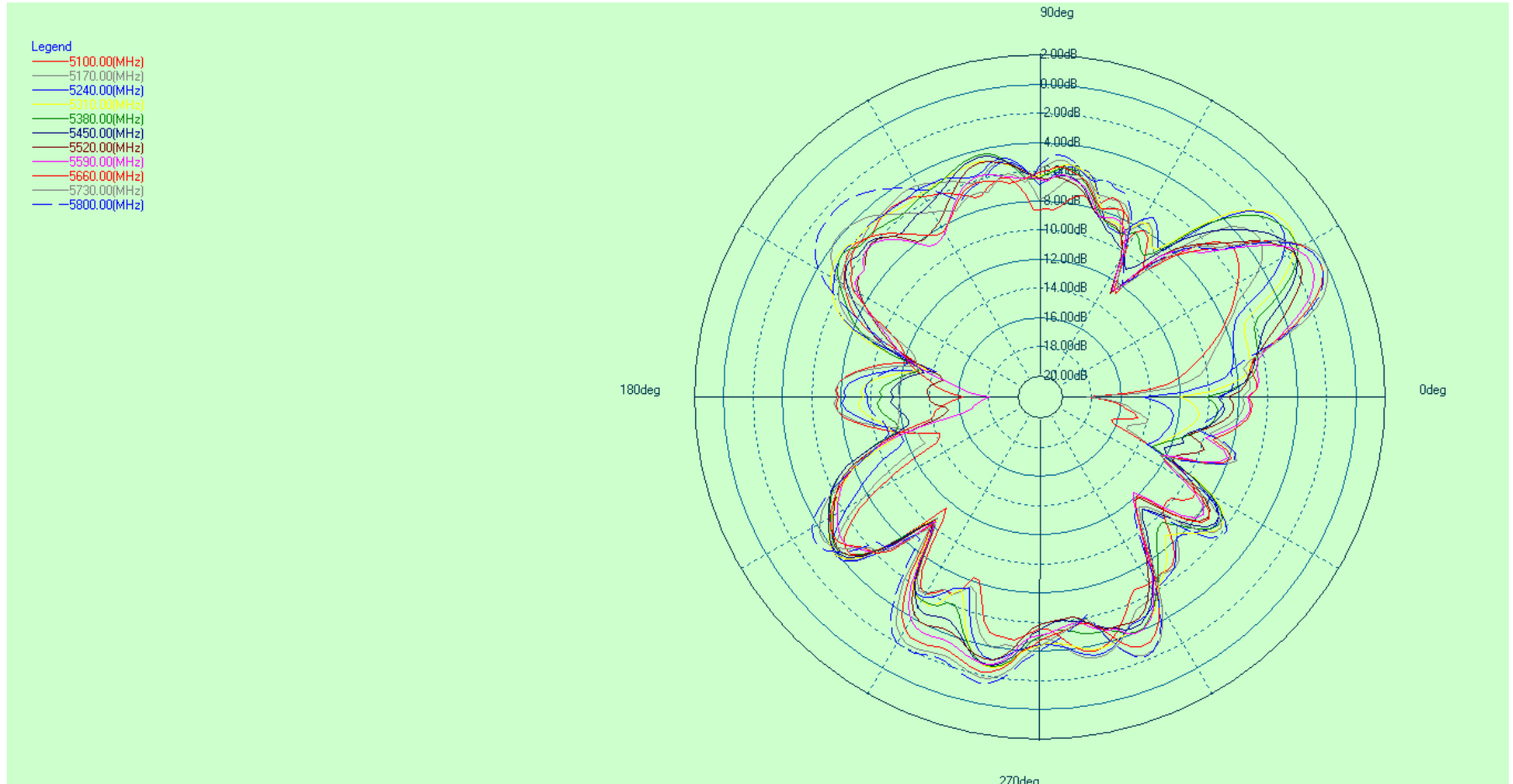
Frequency	2400MHZ	2450MHZ	2500MHZ
Efficiency	35.3%	38.2%	36.0%

5G-WIFI antenna Return Loss & VSWR



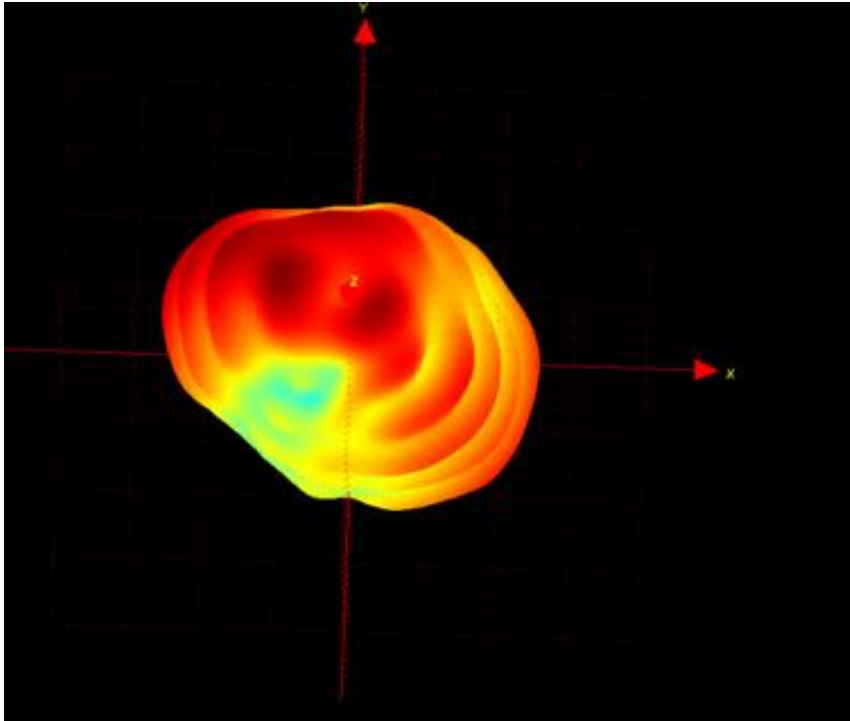
Frequency	5100MHZ	5800MHZ
Return Loss	-10.2	-13.2
VSWR	2.0	1.9

5G-WIFI antenna Peak Gain



5500MHZ	Peak Gain
XZ-Plane	-0.97
YZ-Plane	-0.98
XY-Plane	-0.98

5G-WIFI antenna passive efficiency



Frequency	5100MHZ	5800MHZ
Efficiency	32.4%	32.8%