

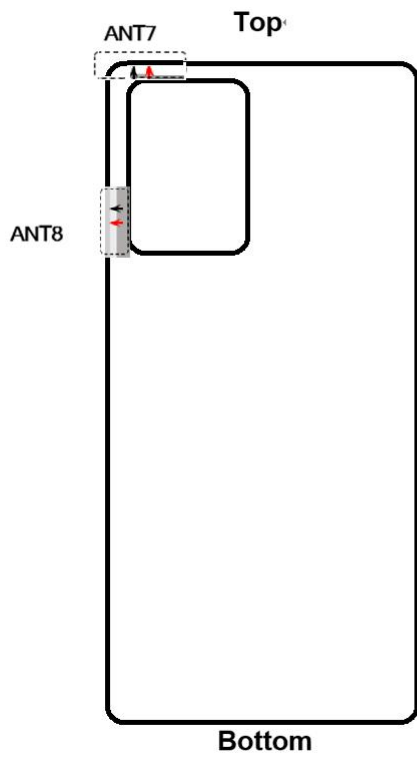
# **Antenna Performance Description**

**Product description:** Mobile Phone

**Model:** 22101316G

**Test date:** 2022.08.18

<b>Antenna</b>	<b>Model Name</b>	<b>Brand Name</b>	<b>Antenna Pattern</b>	<b>Antenna Type</b>	<b>Manufacturer</b>	<b>Test party of Antenna gain</b>
ANT7	M16	Xiaomi	Flexible Printed Circuit	PIFA Antenna	KunShan Innowave Communication Technology Co.,Ltd.	BeiJing Innowave Communication Technology Co.,Ltd.
ANT8	M16	Xiaomi	Flexible Printed Circuit	PIFA Antenna	KunShan Innowave Communication Technology Co.,Ltd.	BeiJing Innowave Communication Technology Co.,Ltd.



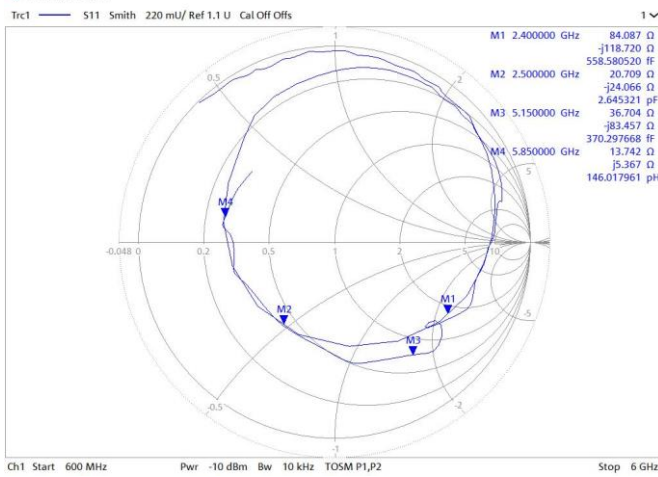
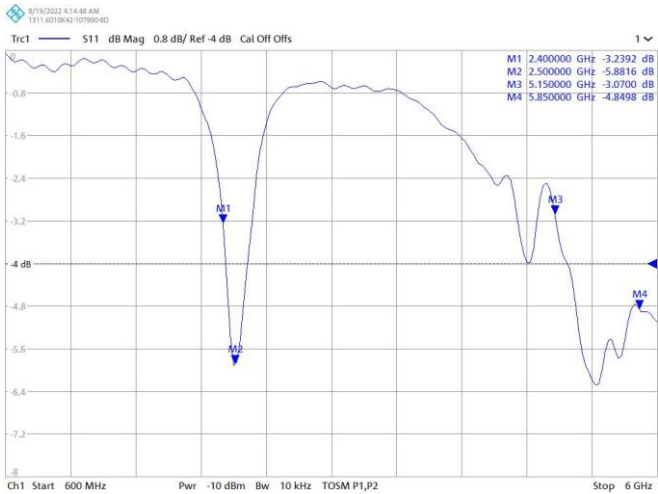
ANT7	WIFI 2.4G/WiFi 5G/BT
ANT8	WIFI 2.4G/WIFI 5G

<Back view>

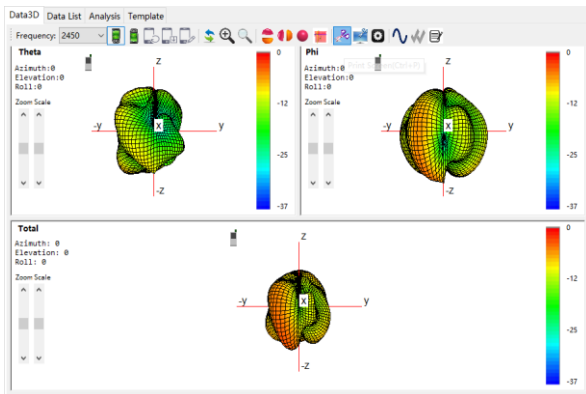
# ANT7:

Band	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-7	-0.34
5G (5.15-5.25GHZ)	-3.6	1.51
5G (5.25-5.35GHZ)	-3.5	2.21
5G (5.47-5.725GHZ)	-4.8	2.81
5G (5.725-5.85GHZ)	-6.0	-0.45

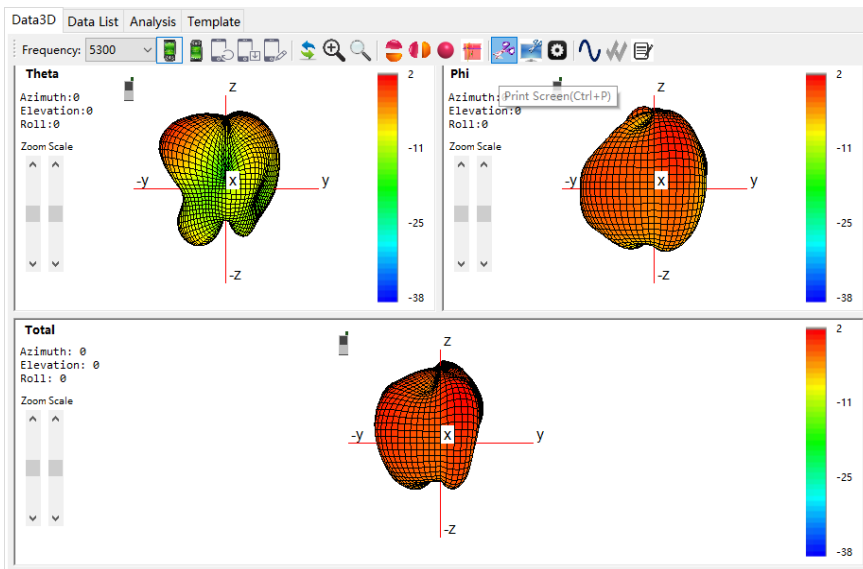
# S11:



2450:



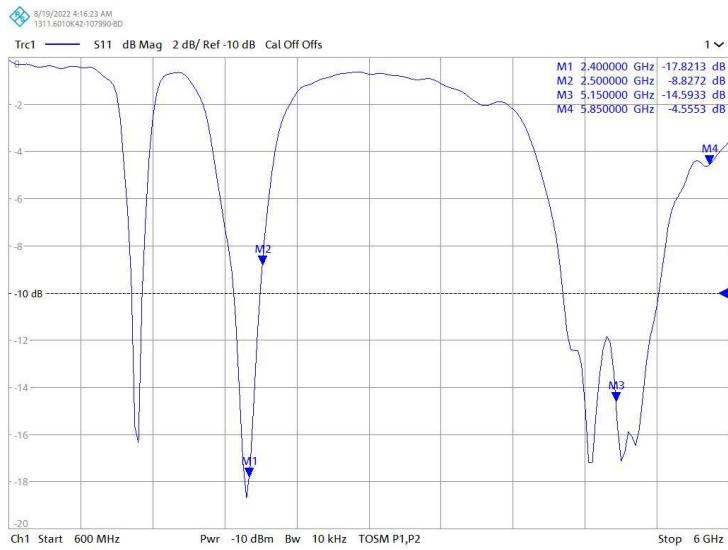
5300:



# ANT8:

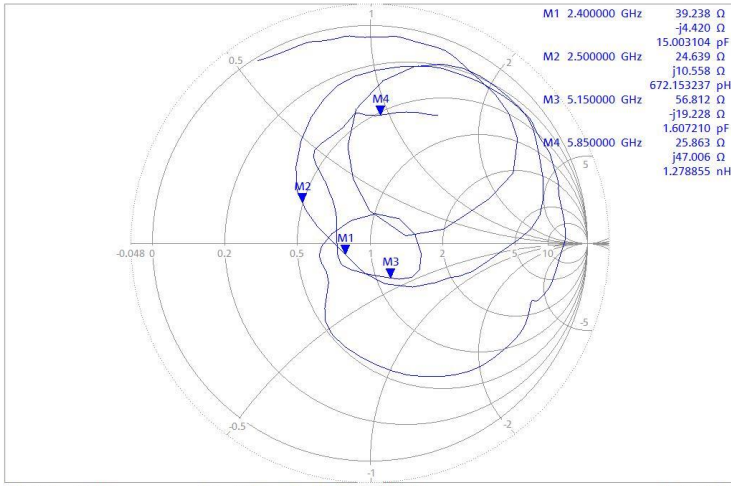
Band	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-8.2	-3.14
5G (5.15-5.25GHZ)	-8.3	-1.11
5G (5.25-5.35GHZ)	-6.7	0.54
5G (5.47-5.725GHZ)	-5.4	1.97
5G (5.725-5.85GHZ)	-5.8	1.71

# S11



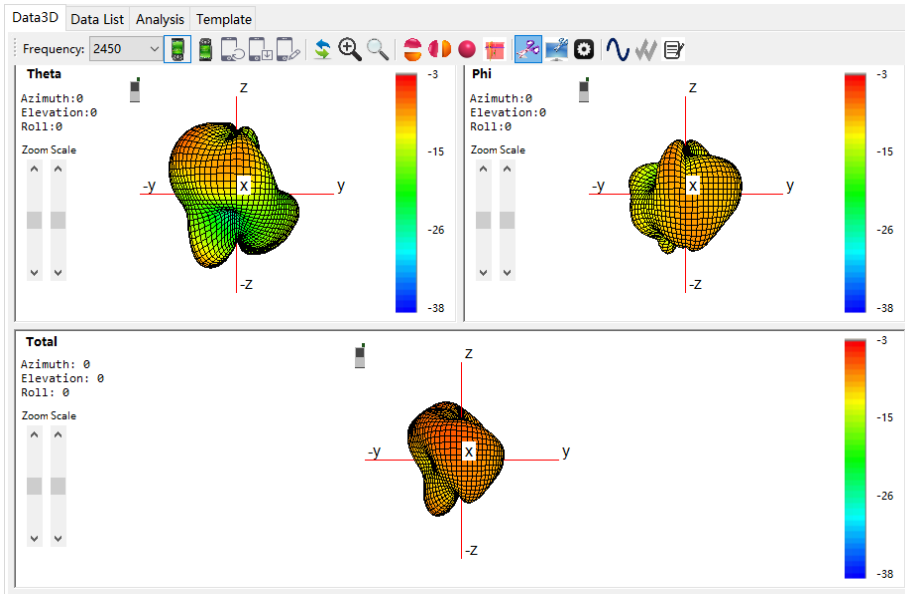
Trc1 S11 Smith 220 mU/ Ref 1.1 U Cal Off Offs

1

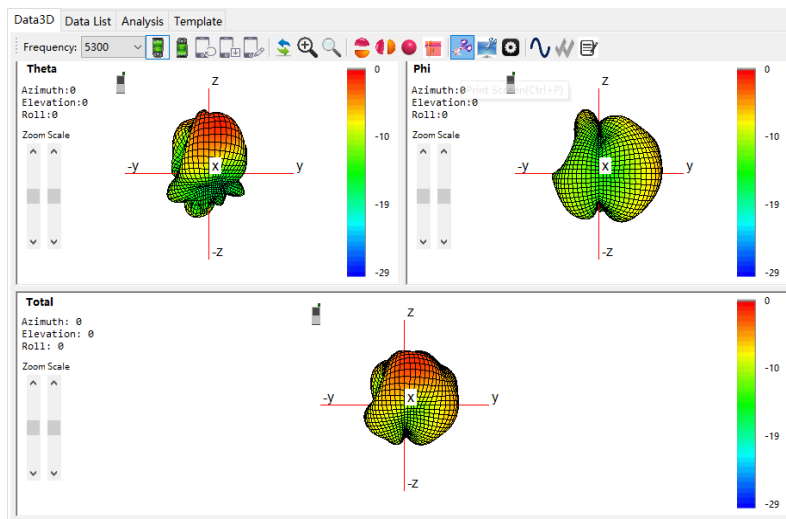


Ch1 Start 600 MHz Pwr -10 dBm Bw 10 kHz TOSM P1,P2 Stop 6 GHz

# 2450



# 5300:





## Main Test Instruments:

Name	Manufacturer	Model name	Serial Number	Cal., Date	Exp., Date
2G/3G/4G Vector Network Analyzer	KEYSIGHT	E5071C	My46733920	2021/12/20	2022/12/30
OTA TEST SYSTEM	GENERAL TEST	RayZone 2800	CT10120480B5054	2022/01/14	2023/01/15