

Antenna Performance Description

Product description:

Model Name: 2210129SG

FCC ID: 2AFZZ129SG

Test date: 2022/8/26

Antenna	Antenna Pattern	Antenna Type	Manufacturer	Test party of Antenna gain
ANT1	Metal Frame	IFA Antenna	AAC KaiTai (Shenzhen) Sci-Tech Development Co., Ltd./ TONGDA (Xiamen)TECHNOLOGY CO.,LTD.	AAC KaiTai (Shenzhen) Sci-Tech Development Co., Ltd
ANT2	Metal Frame	IFA Antenna	AAC KaiTai (Shenzhen) Sci-Tech Development Co., Ltd./ TONGDA (Xiamen)TECHNOLOGY CO.,LTD.	AAC KaiTai (Shenzhen) Sci-Tech Development Co., Ltd

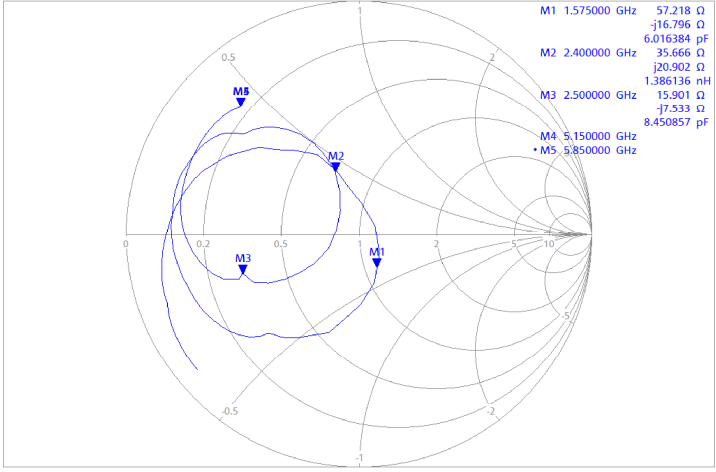
ANTI:

Band	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-8	-1.57
5G (5.15-5.25GHZ)	-7.6	-1.87
5G (5.25-5.35GHZ)	-7.6	-2.4
5G (5.47-5.725GHZ)	-7.2	0
5G (5.725-5.85GHZ)	-7.3	-0.16
BT	-8	-1.57

S11:

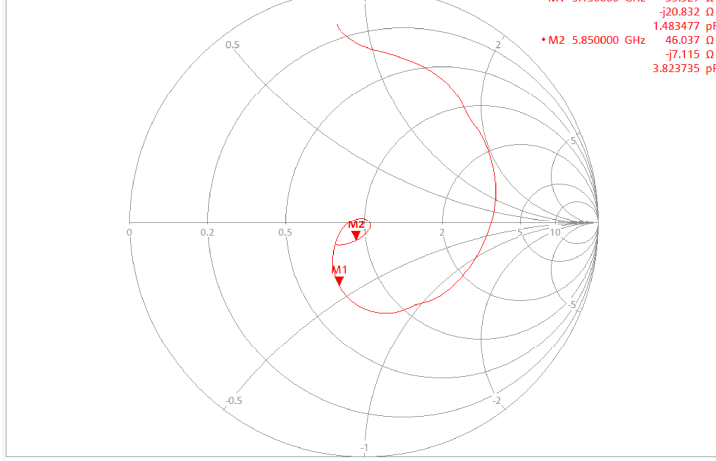


Trc1 — S11 Smith 200 mU/ Ref 1 U CatInt Offs 1



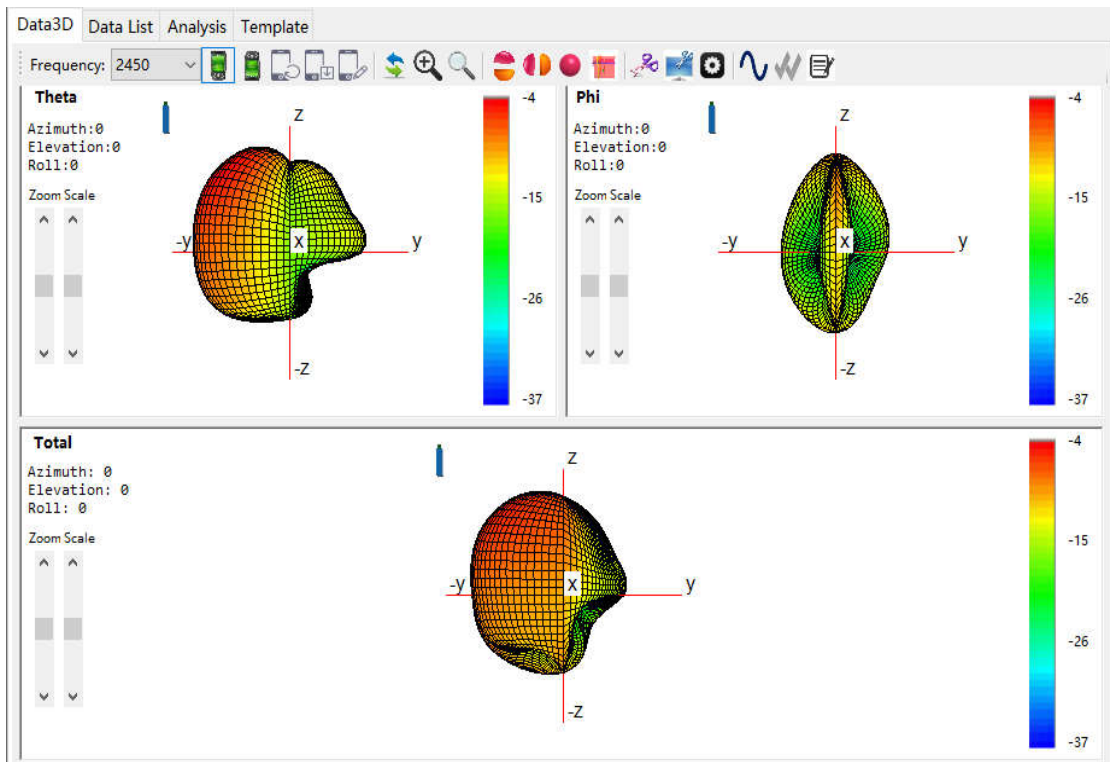
Ch1 Start 1 GHz Pwr -10 dBm Bw 10 kHz TOSM P1,P2 Stop 3 GHz

Trc1 — S11 Smith 200 mU/ Ref 1 U Invisible Mem2[Trc1] — S11 Smith 200 mU/ Ref 1 U Offs 1

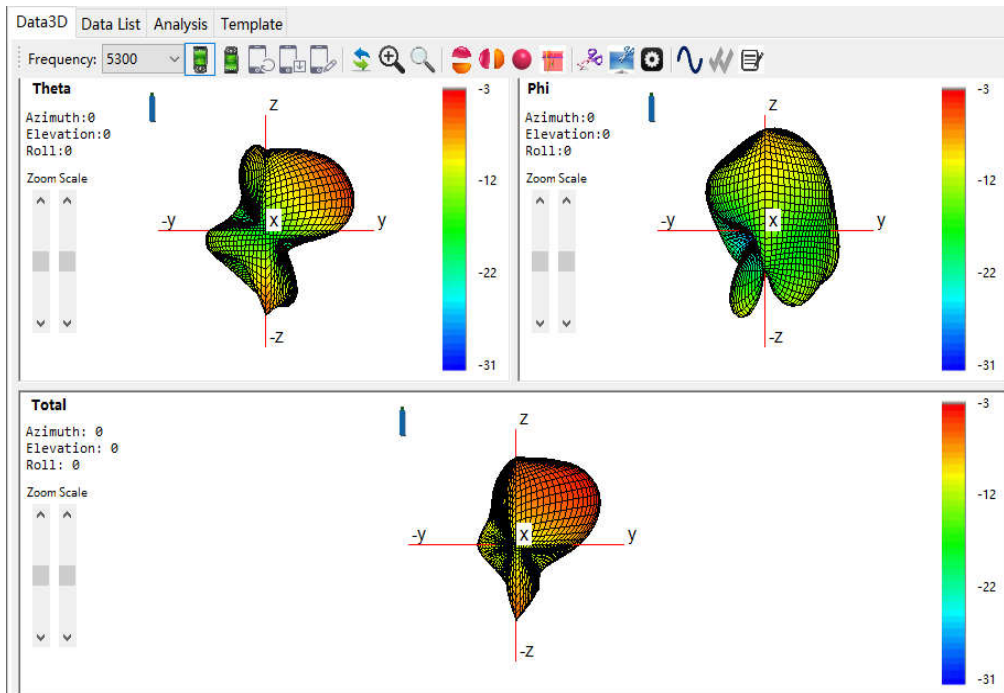


Ch1 Start 3 GHz Pwr -10 dBm Bw 10 kHz TOSM P1,P2 Stop 6 GHz

2450:



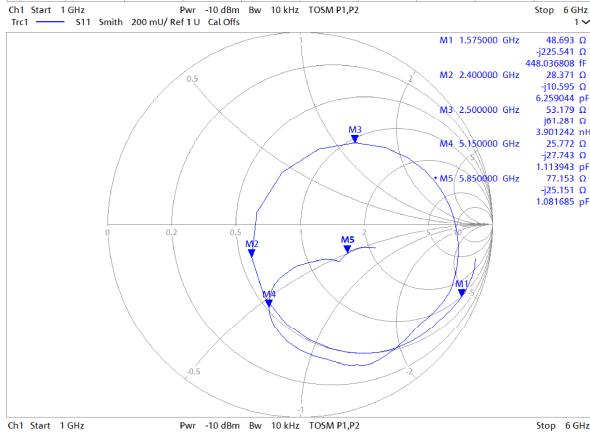
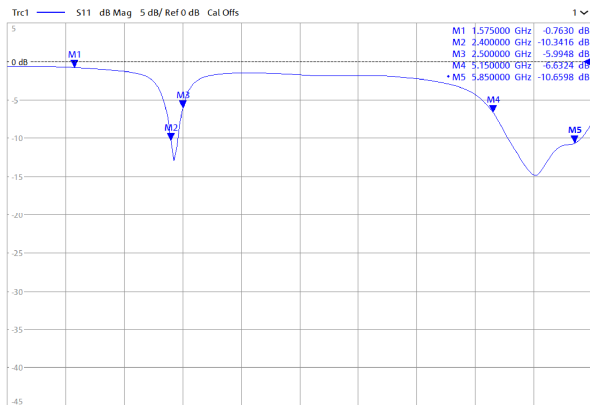
5300:



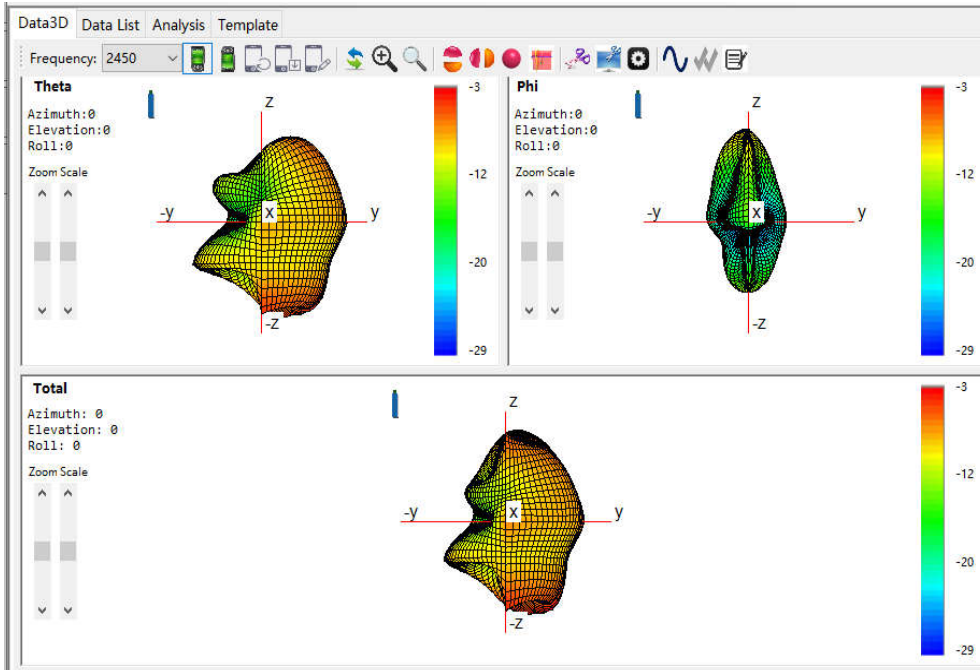
ANT2:

Band	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-7.3	-1.44
5G (5.15-5.25GHZ)	-7.7	-2.76
5G (5.25-5.35GHZ)	-6.7	-2.06
5G (5.47-5.725GHZ)	-7.7	-1.08
5G (5.725-5.85GHZ)	-8	-1.97
BT	-7.3	-1.44

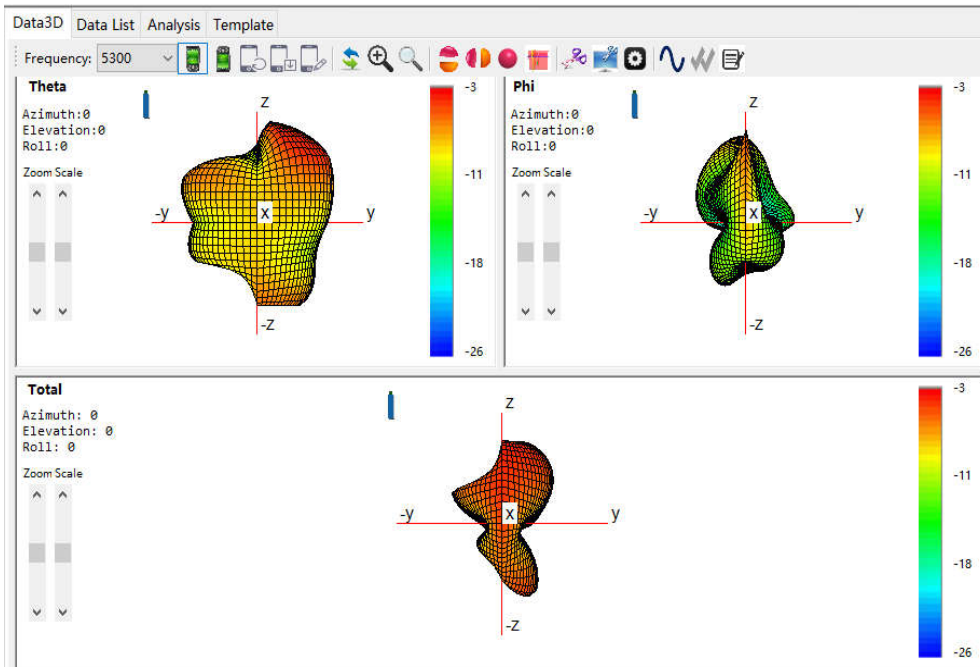
S11:



2450:



5300:



Main Test Instruments:

Name	Manufacturer	Model name	Serial Number	Cal., Date	Exp., Date
E5071C	KEYSIGHT	E5071C	EQ60215	2022-4-21	2023-4-21

NFC Antenna

Antenna type	FPC Antenna
Antenna dimension	25.2mm*31.55mm
Antenna location	Phone back cover