



## Antenna Performance Description

Applicant: Xiaomi Communications Co., Ltd

Product description: Mobile Phone

Model Name: AL7887A

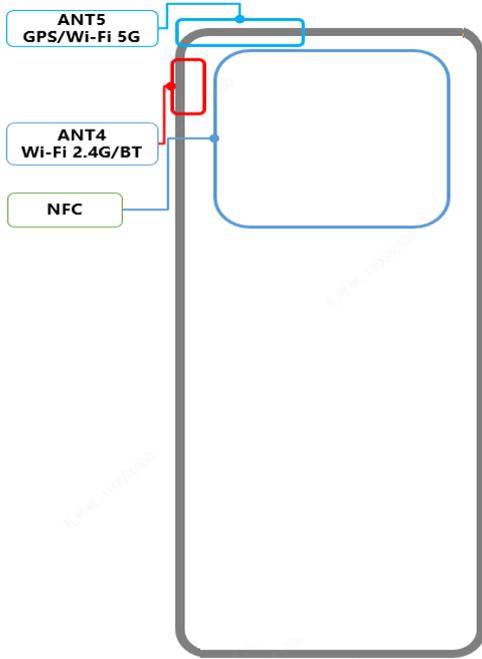
FCC ID: 2AFZZRA69G



## 1. Antenna information

Antenna	Model Name	Antenna Pattern	Antenna Type	Manufacturer And address	Test party of Antenna gain
ANT4	AL7887A	MDA	PIFA Antenna	Luxshare Precision Industry Co., Ltd No.277 Baisheng Road, Jinxi Town, Kunshan City, Jiangsu, China	Luxshare Precision Industry Co., Ltd
ANT5	AL7887A	MDA	PIFA Antenna	Luxshare Precision Industry Co., Ltd No.277 Baisheng Road, Jinxi Town, Kunshan City, Jiangsu, China	Luxshare Precision Industry Co., Ltd
NFC-ANT	AL7887A	Ferrite+ FPC	Loop	Shanghai Deman Electronics Technology Co.,Ltd. Kun Shan Innowave Communication Technology Co., Ltd.	N/A

# 1、antenna



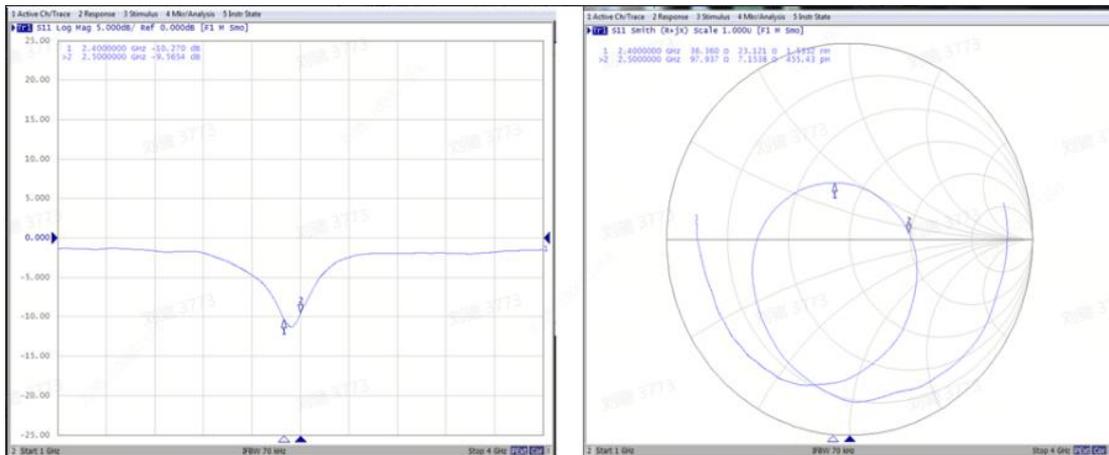
《Back view》

# 2、Test data

ANT4 (BT&WIFI 2.4G)

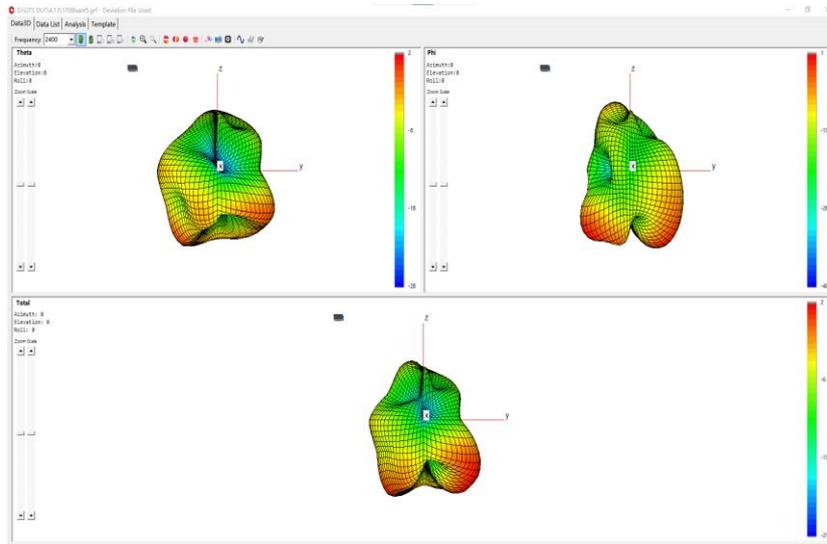
Band	Effi.(dBi)	peak gain(dBi)
2.4G(2.4-2.5GHZ)	-4.1	1.9

S11 &smith

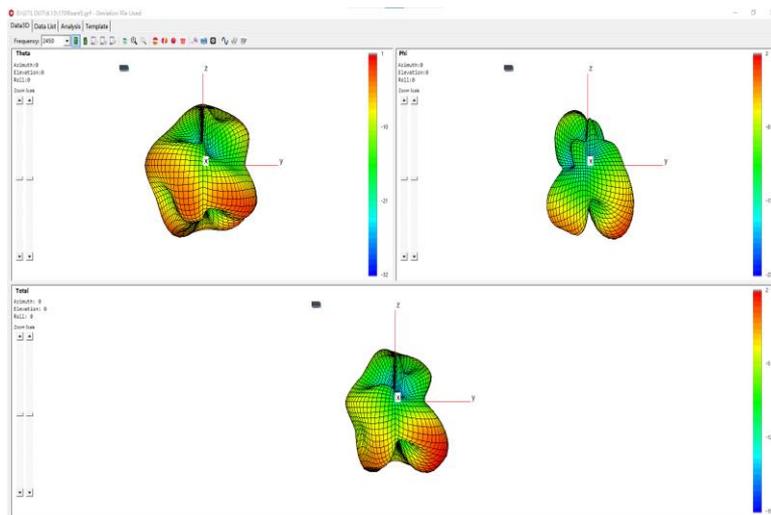




## 2400MHZ

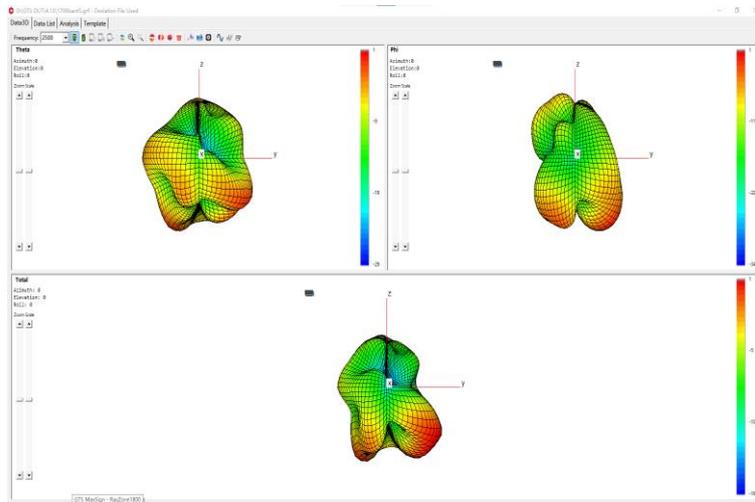


## 2450MHZ





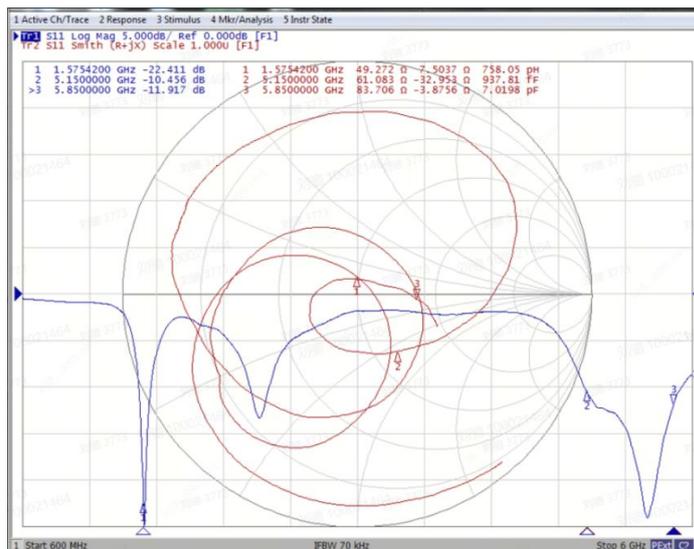
## 2500MHZ



## ANT5:WIFI 5G

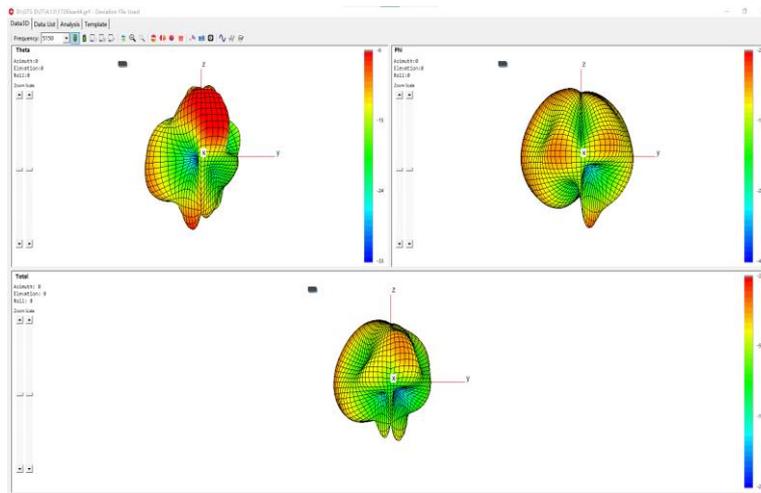
Band	Effi.(dBi)	peak gain(dBi)
5G (5.15-5.25GHz)	-7.4	-2
5G (5.25-5.35GHz)	-6.8	-1.92
5G (5.47-5.725GHz)	-7.2	-2.87
5G (5.725-5.85GHz)	-7.4	-3

## S11&Smith:

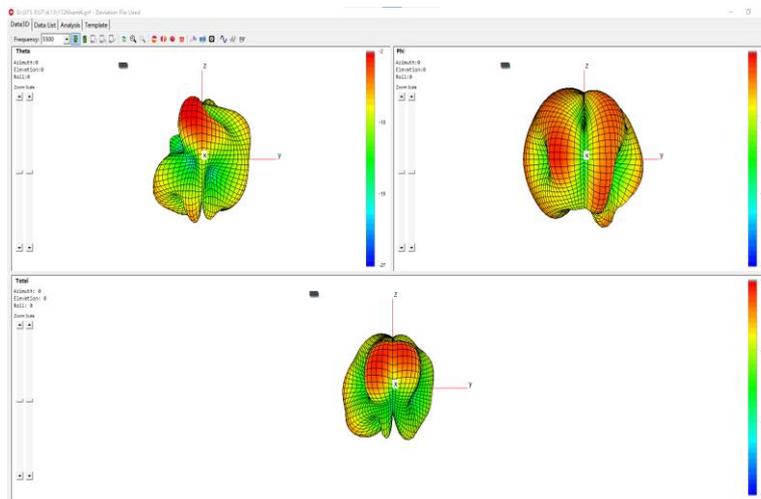




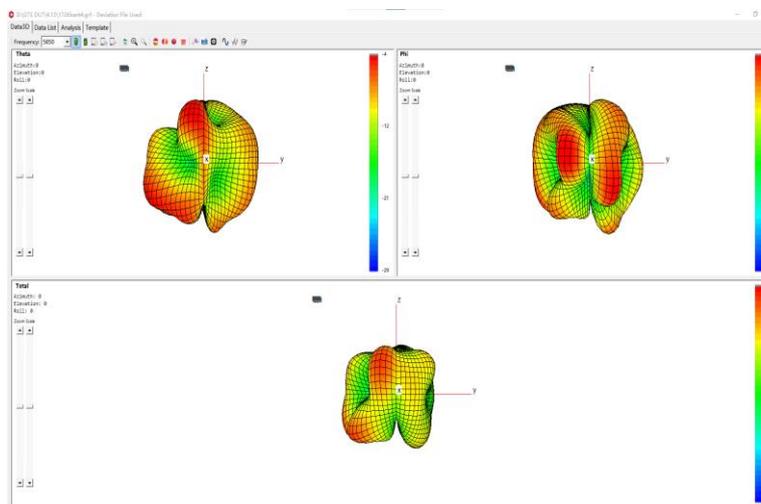
## 5.1GHZ



## 5.5GHZ



## 5.8GHZ



### 3、 Main Test Instruments

Name	Manufacturer	Model name	Serial Number	Cal., Date	Exp., Date
E5071B	KEYSIGHT	E5071B	EQ60215	2025-4-21	2026-4-20

### 4、 Test Site



--- End ---