



Antenna Performance Description

Applicant: Xiaomi Communications Co., Ltd

Product description: Mobile Phone

Model Name: 2404APC5FG

FCC ID: 2AFZZPC5FG

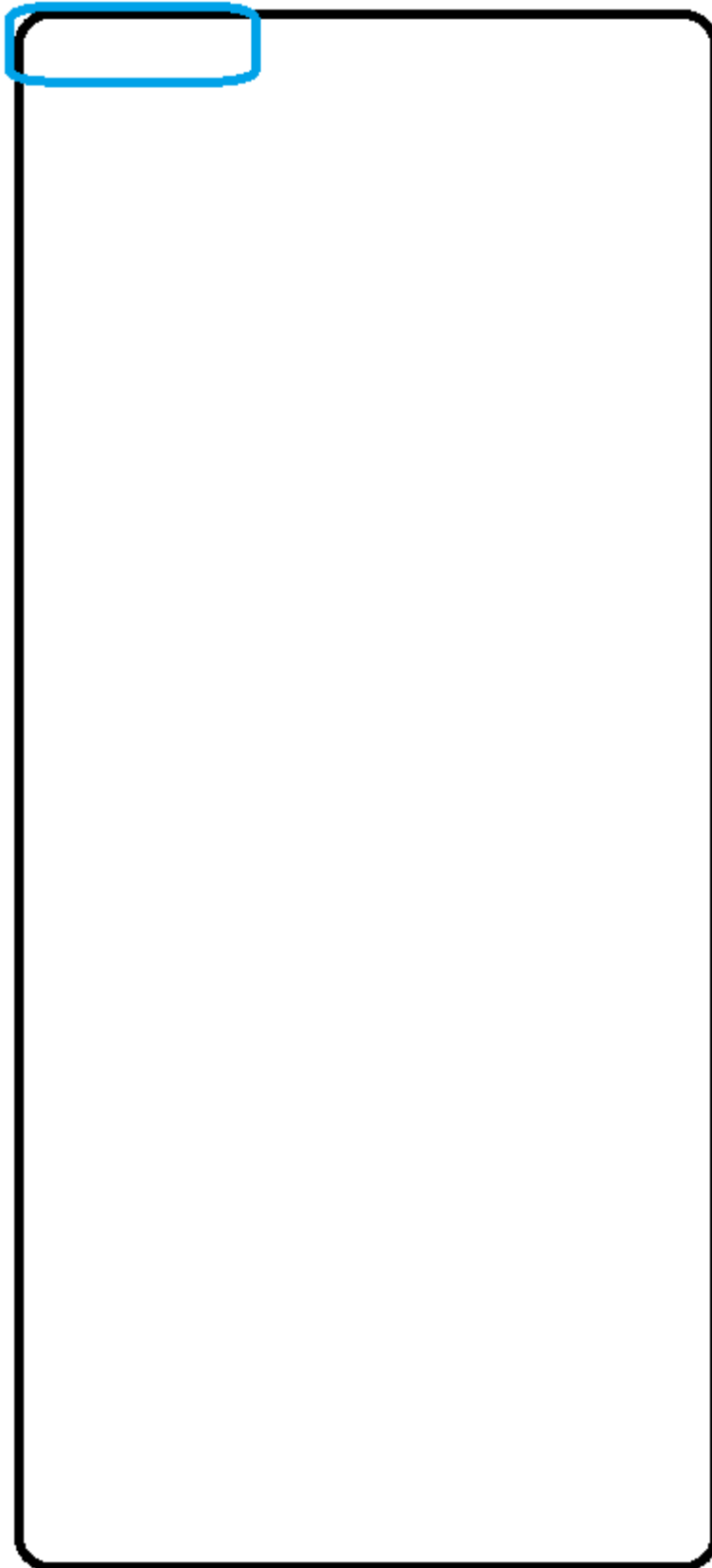


1. Antenna information

Antenna	Model Name	Antenna Pattern	Antenna Type	Manufacturer	Test party of Antenna gain
ANT7	AL7015A	FPC	PIFA Antenna	AAC Technologies	AAC Technologies
NFC-ANT	AL7015A	Ferrite+ FPC	coil	Kun Shan Innowave Communication Technology Co., Ltd.	Kun Shan Innowave Communication Technology Co., Ltd.



- Ant7 WIFI2.4/5G /BT

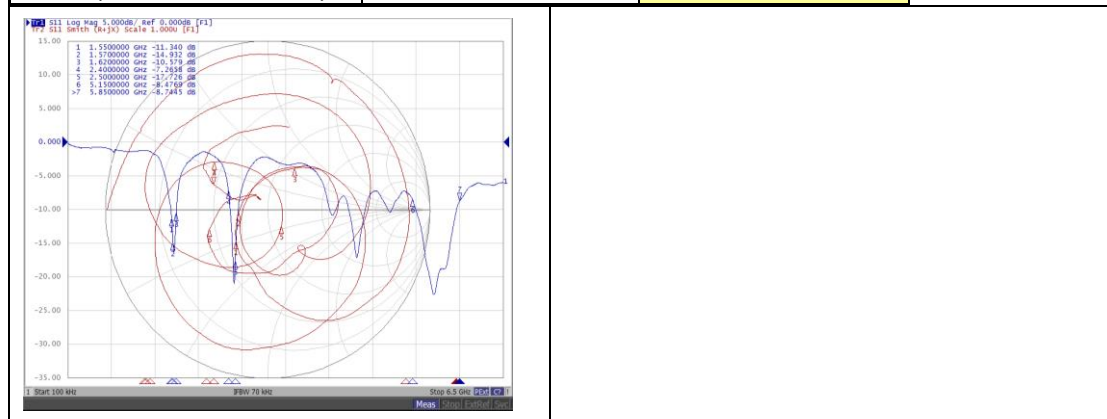


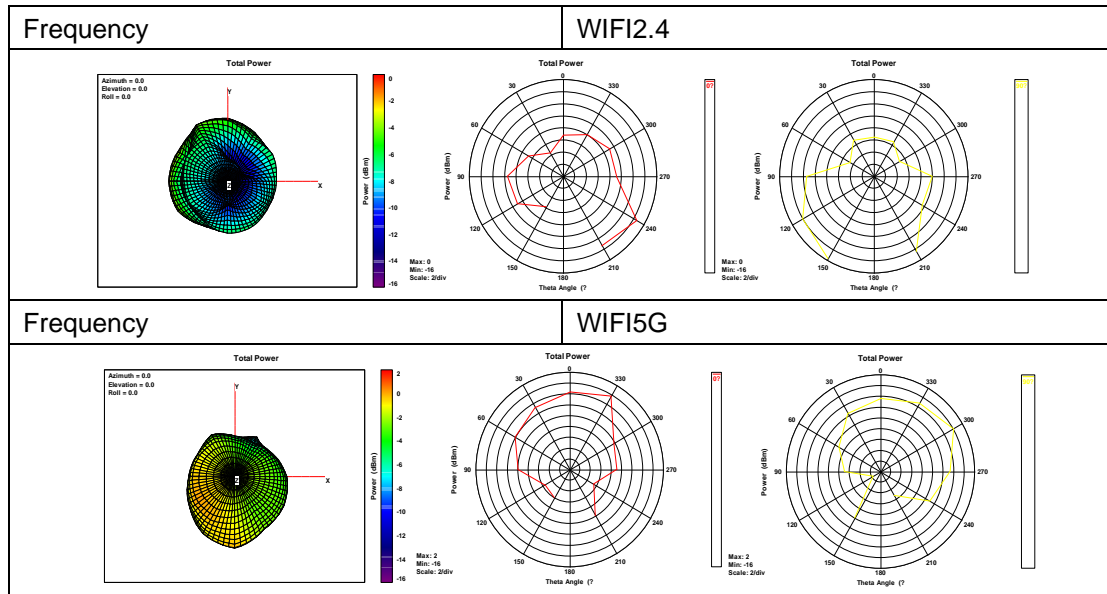


2. Test data

ANT7

Band	Effi.(dBi)	Peak gain(dBi)
2.4G(2.4-2.5GHZ)	-5.3	-0.8
5G (5.15-5.25GHZ)	-5	-0.2
5G (5.25-5.35GHZ)	-4.9	-0.1
5G (5.47-5.725GHZ)	-5.1	-0.2
5G (5.725-5.85GHZ)	-4.8	-0.3





3. NFC antenna

Only radiated measurements are used for EUT with FCC ID: 2AFZZPC5FG to show compliance with FCC limits for fundamental and spurious emissions. All measurements were performed radiated and therefore additional antenna gain documentation is not required.

The detailed information for antenna as below shows:

Design Specifications	Typical
Antenna Type	FPC+ ferrite
Working Frequency	13.56 MHz
Overall Dimensions	37.35mm*37.05mm

