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## Antenna Performance Description

**Applicant:** Xiaomi Communications Co., Ltd

**Antenna Model:** **KSRN** Antenna

**Test date:** 2023/1/17

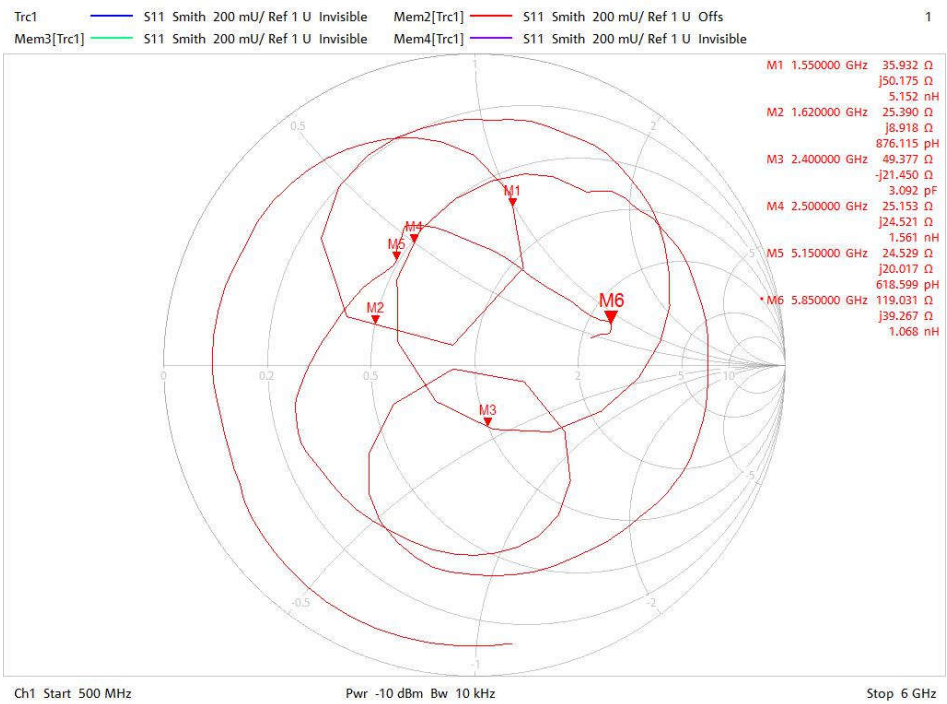
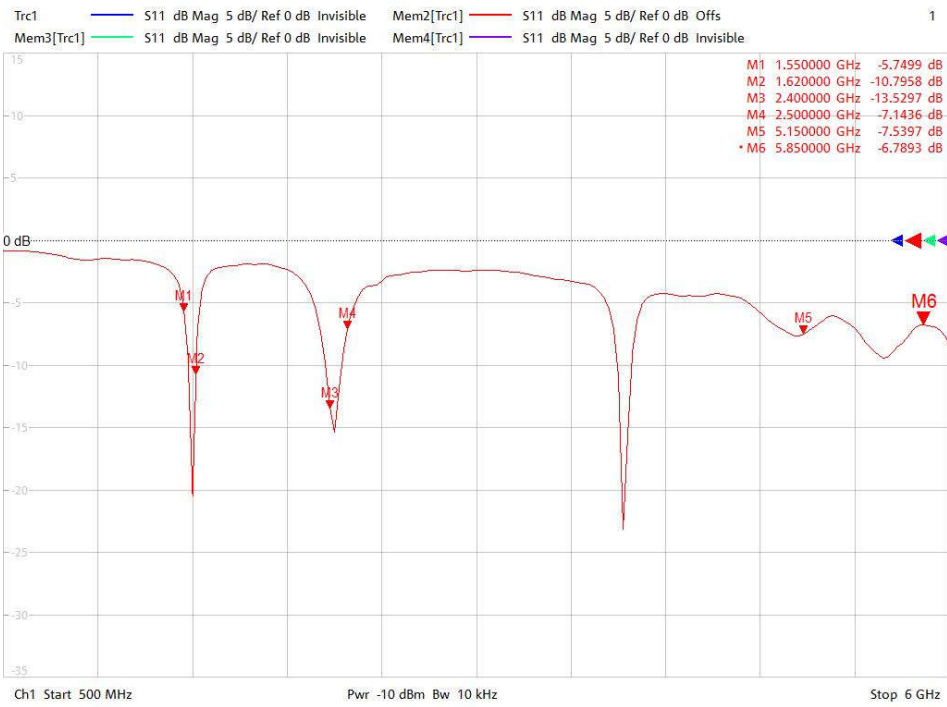


## 1. Antenna information

Antenna	Pattern	Antenna Type	Manufacturer	Address	Test party of Antenna gain
GPS/WIFI/BT	FPC	PIFA Antenna	AAC Technologies Holdings Inc.	AAC Technology Building, NO.18. , Xinxi Road, North Hi-Tech Industrial Park, Nanshan District, Shenzhen, P.R. China 518057	Kunshan Innowave Communication Technology Co., Ltd.
NFC	N/A	FPC (Flexible Printed Circuit) antenna 34.6mm*25.85mm	Shanghai Deman Electronic Technology	Factory No.3, No.1259 Ping An Road zhuanqiao Town, Minhang Industrial Park, Shanghai	N/A

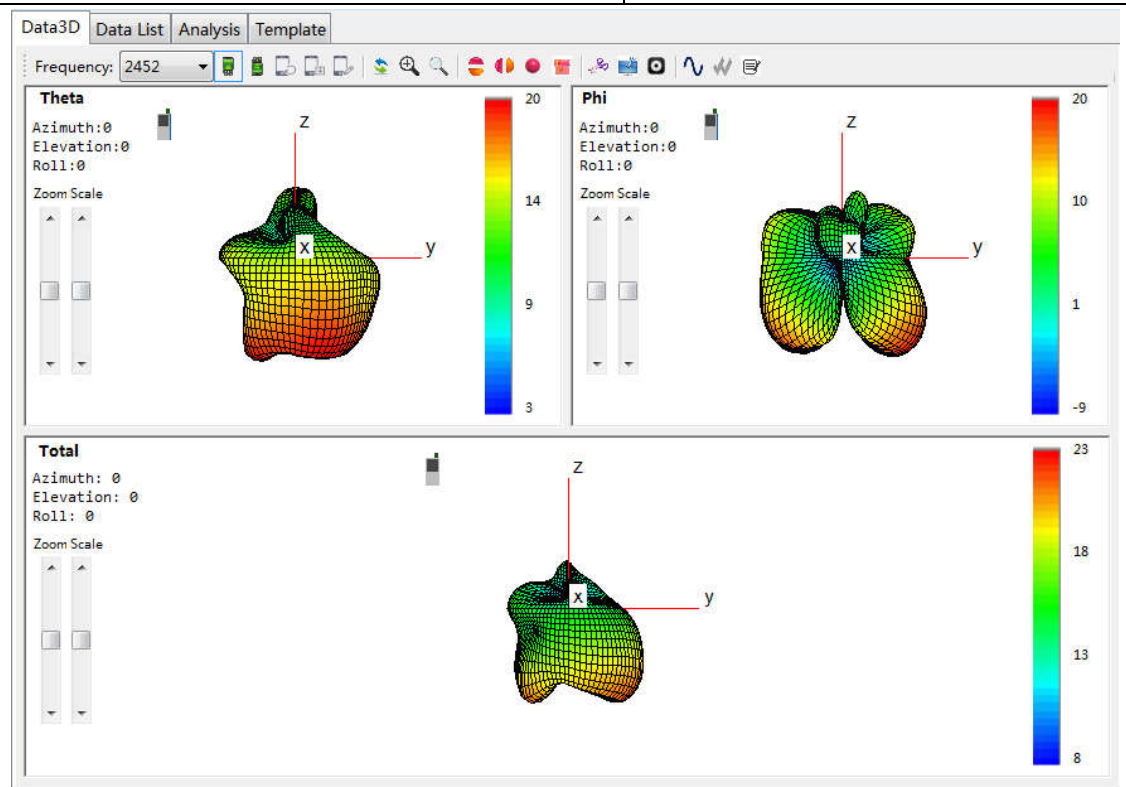
## 2. Test data

GPS/WIFI/BT ANT	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-4.14	-0.31
5G (5.15-5.25GHz)	-5.52	-1.65
5G (5.25-5.35GHz)	-4.92	-1.6
5G (5.47-5.725GHz)	-4.28	-1.3
5G (5.725-5.85GHz)	-3.31	-1.46
Bluetooth	-4.98	-0.31

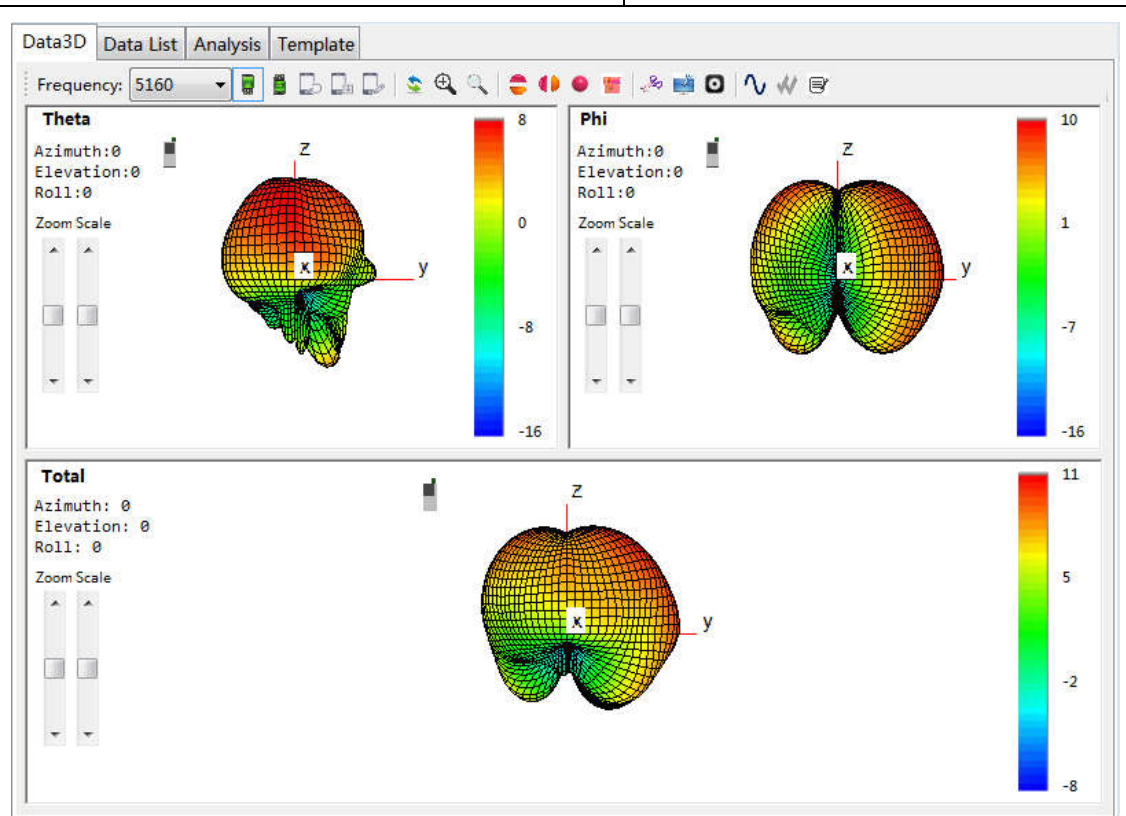




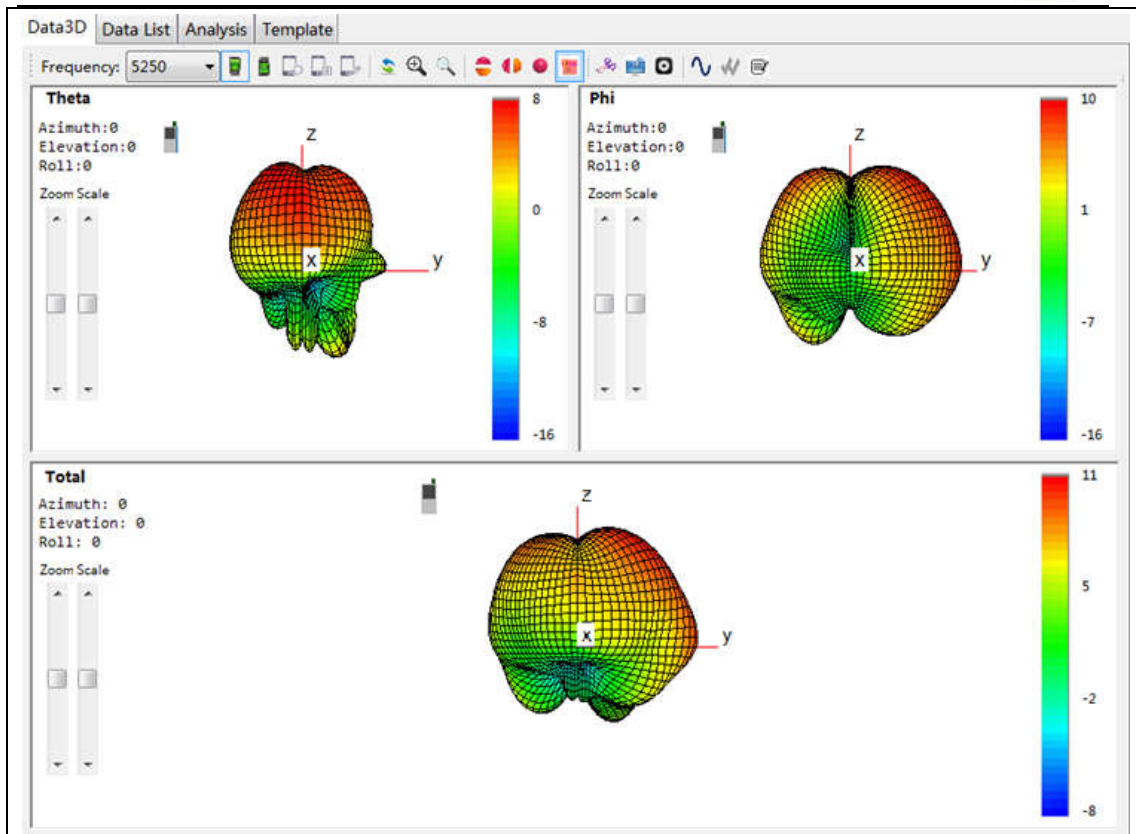
Frequency 2452MHz



Frequency 5160MHz

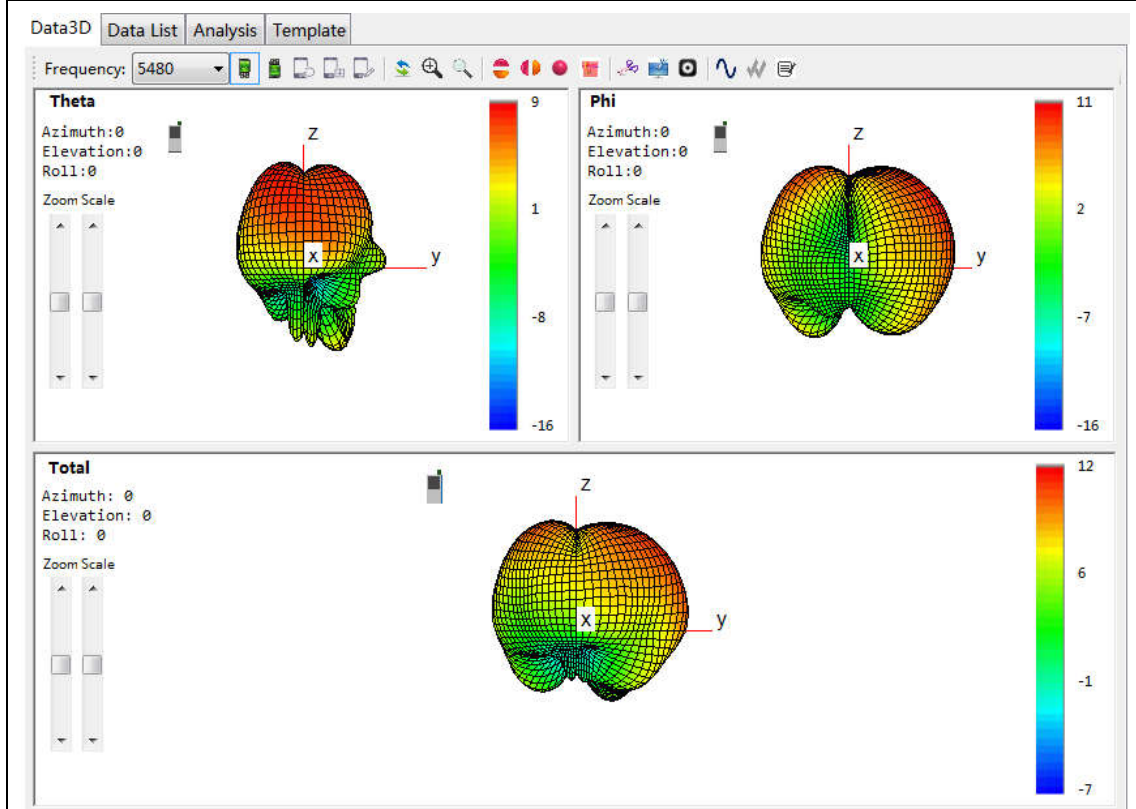


Frequency 5250MHz



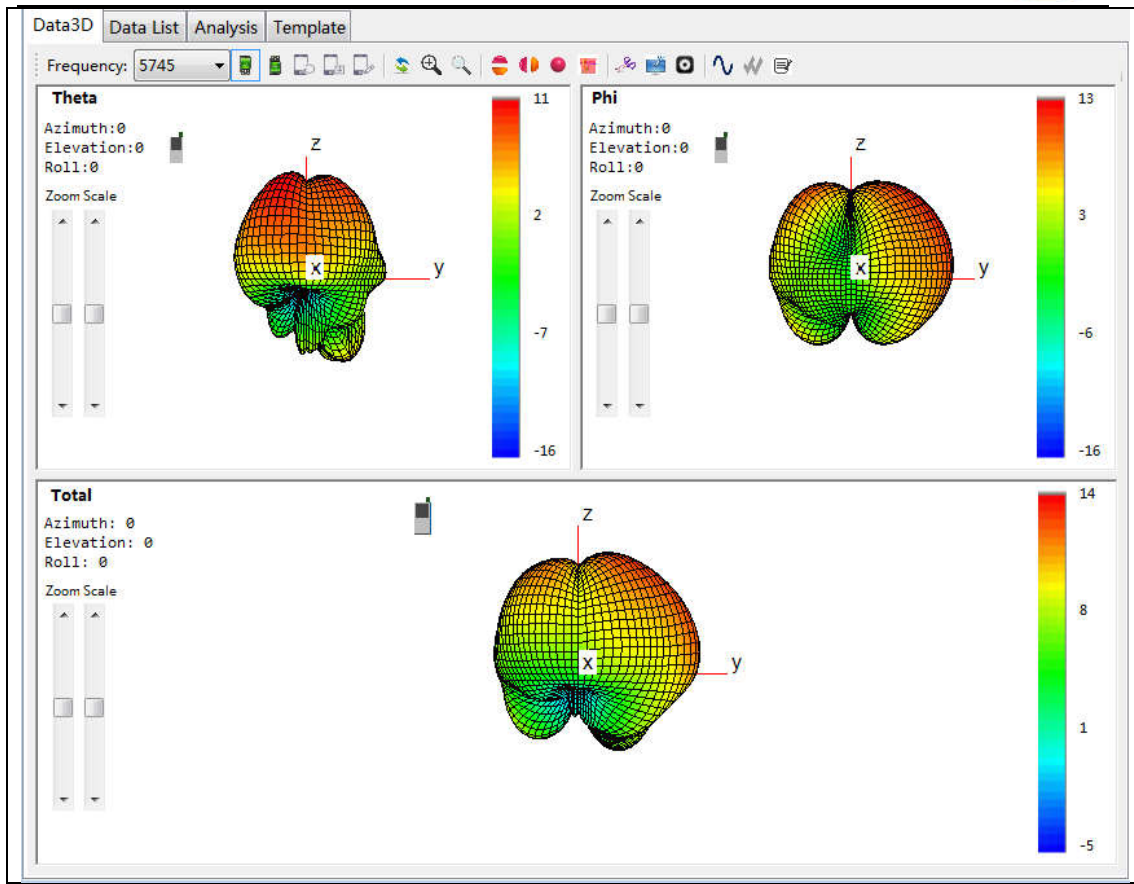
Frequency

5480MHz



Frequency

5745MHz



### 3. Main Test Instruments

Name	Manufacturer	Model name	Serial Number	Software	Cal., Date	Exp., Date
E5071C	KEYSIGHT	E5071C	EQ60215	Network Analyzer 13.10	2022-4-21	2023-4-20

End of Test Report