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## Antenna Performance Description

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

**Antenna Model:** M7 Antenna

**Test date:** 2022/11/06

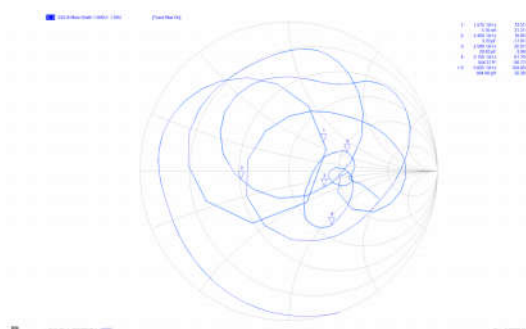
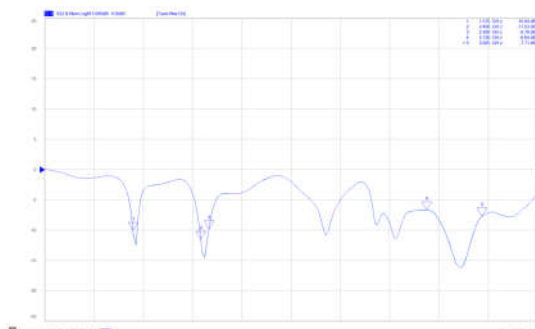


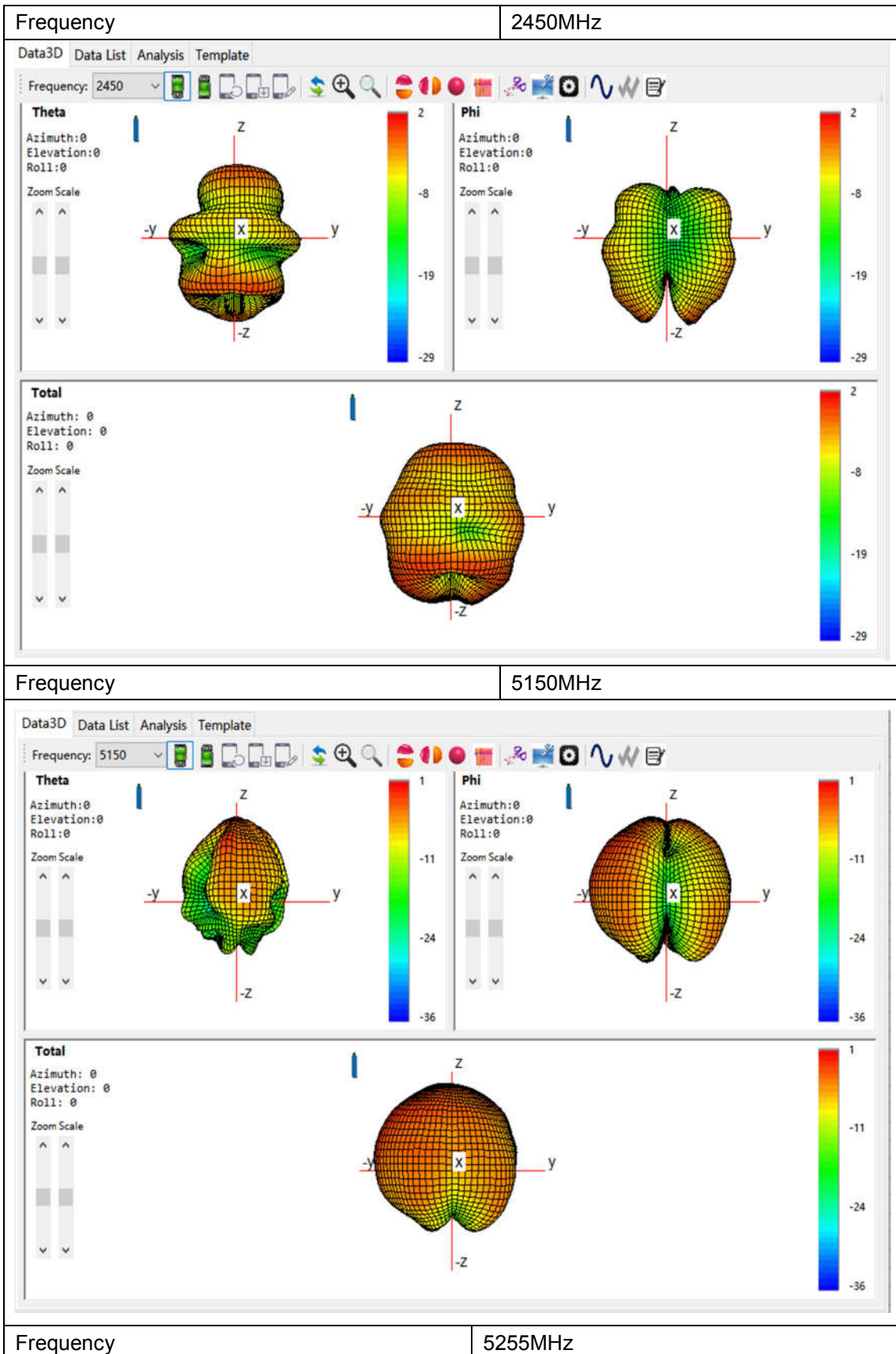
## 1. Antenna information

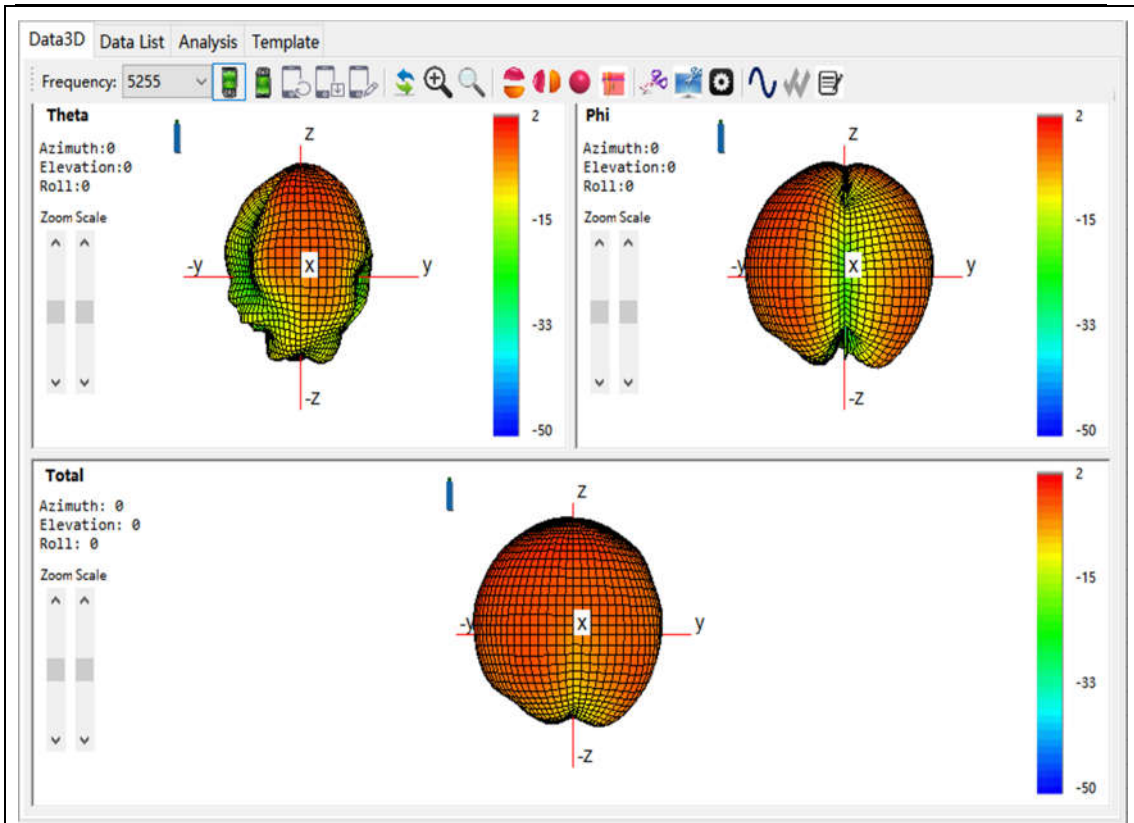
| Antenna     | Pattern | Antenna Type   | Manufacturer                         | Address  | Test party of Antenna gain                          |
|-------------|---------|--|--------------------------------------|--|---|
| GPS/WIFI/BT | FPC     | PIFA Antenna   | AAC Technologies Holdings Inc.       | 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<br>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

| Band for Antenna 15&17 | Combo ant  |                |
|------------------------|------------|----------------|
|                        | Effi.(dBi) | peak gain(dBi) |
| 2.4G                   | -5.48      | 0.1            |
| 5G (5.15-5.25GHz)      | -4.05      | -1.4           |
| 5G (5.25-5.35GHz)      | -3.81      | -1.6           |
| 5G (5.47-5.725GHz)     | -3.75      | -1.2           |
| 5G (5.725-5.85GHz)     | -7.2       | -1.1           |
| Bluetooth              | -3.87      | 0.1            |

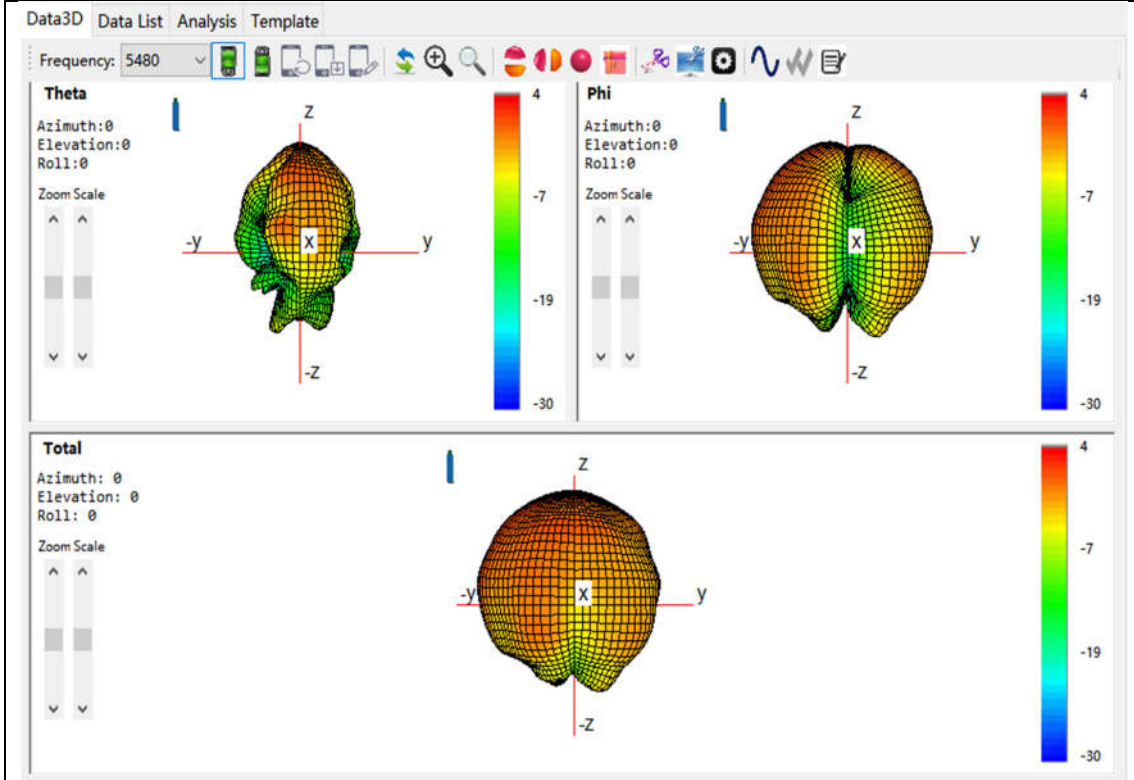






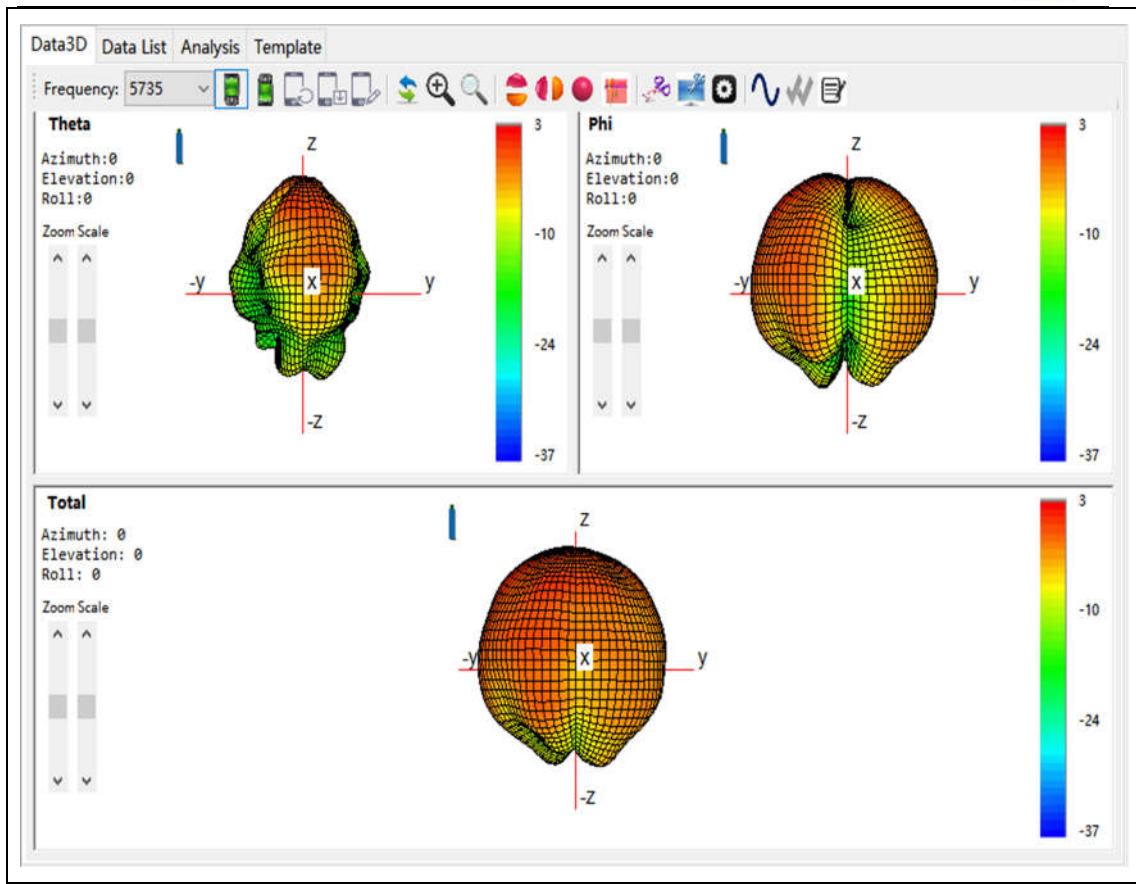
Frequency

5480MHz



Frequency

5735MHz



### 3. Main Test Instruments

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

End of Test Report