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## Antenna Performance Description

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

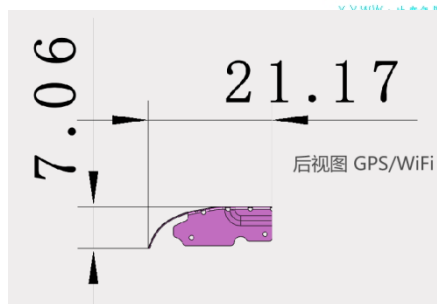
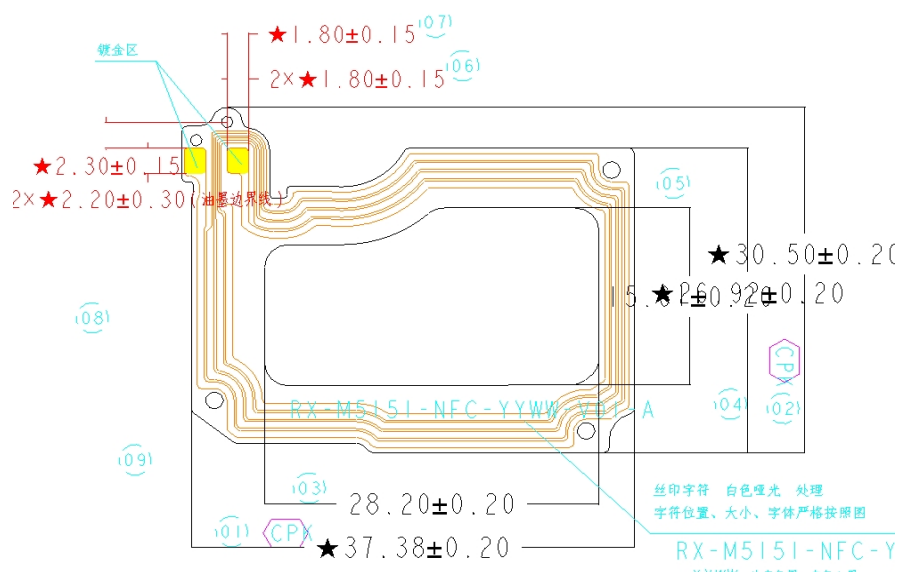
**Antenna Model:** C3N Antenna

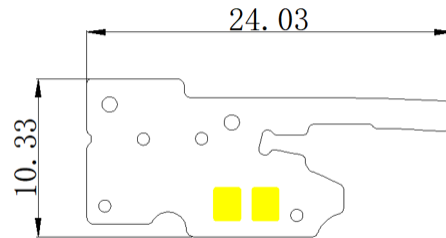
**Test date:** 2024/06/05



# 1. Antenna information

Antenna	Pattern	Antenna Type	Manufacturer	Address	Test party of Antenna gain
GPS/WIFI/BT	FPC	PIFA Antenna	SPEED ACOUSTIC TECHNOLOGIES HOLDINGS INC.	SPEED Technology Building, NO.SX-01-02 Shangxia Section,Hi-tech District of East-river, Huizhou,Guangdong Province P.R,China Post Code:516255	SPEED ACOUSTIC TECHNOLOGIES HOLDINGS INC.
NFC	NA	FPC (Flexible Printed Circuit) antenna	SPEED ACOUSTIC TECHNOLOGIES HOLDINGS INC.	SPEED Technology Building, NO.SX-01-02 Shangxia Section,Hi-tech District of East-river, Huizhou,Guangdong Province P.R,China Post Code:516255	SPEED ACOUSTIC TECHNOLOGIES HOLDINGS INC.

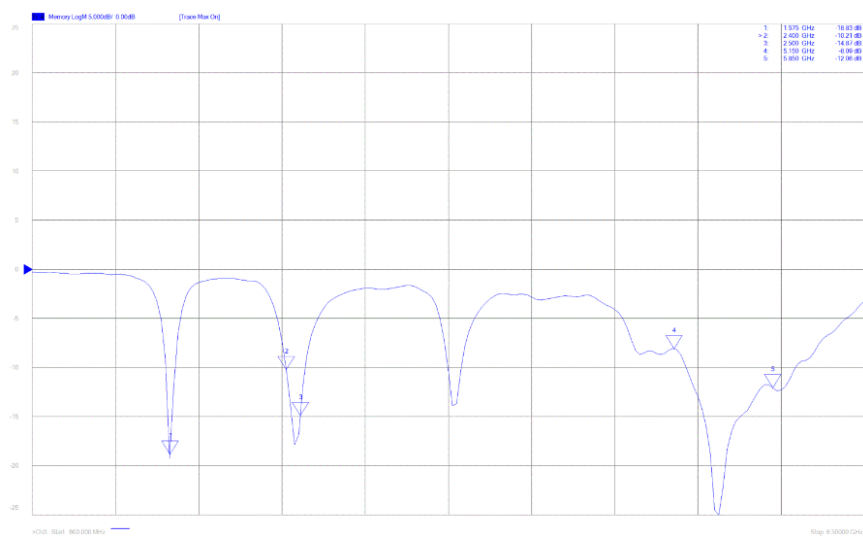




## 2. Test data

Band for Antenna 3	Combo ant	
	Effi.(dBi)	Peak gain(dBi)
2.4G	-4.24	0.4
5G (5.15-5.25GHz)	-4.94	-0.9
5G (5.25-5.35GHz)	-4.86	-0.5
5G (5.47-5.725GHz)	-4.7	0.2
5G (5.725-5.85GHz)	-5.28	-1
Bluetooth	-4.24	0.4

S11:

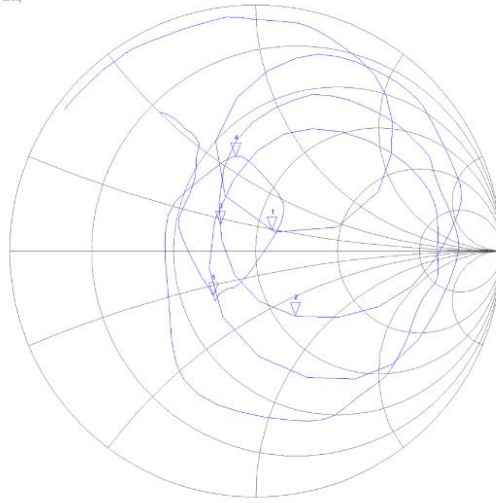


Smith:



Memory Span 13000 - 1.001

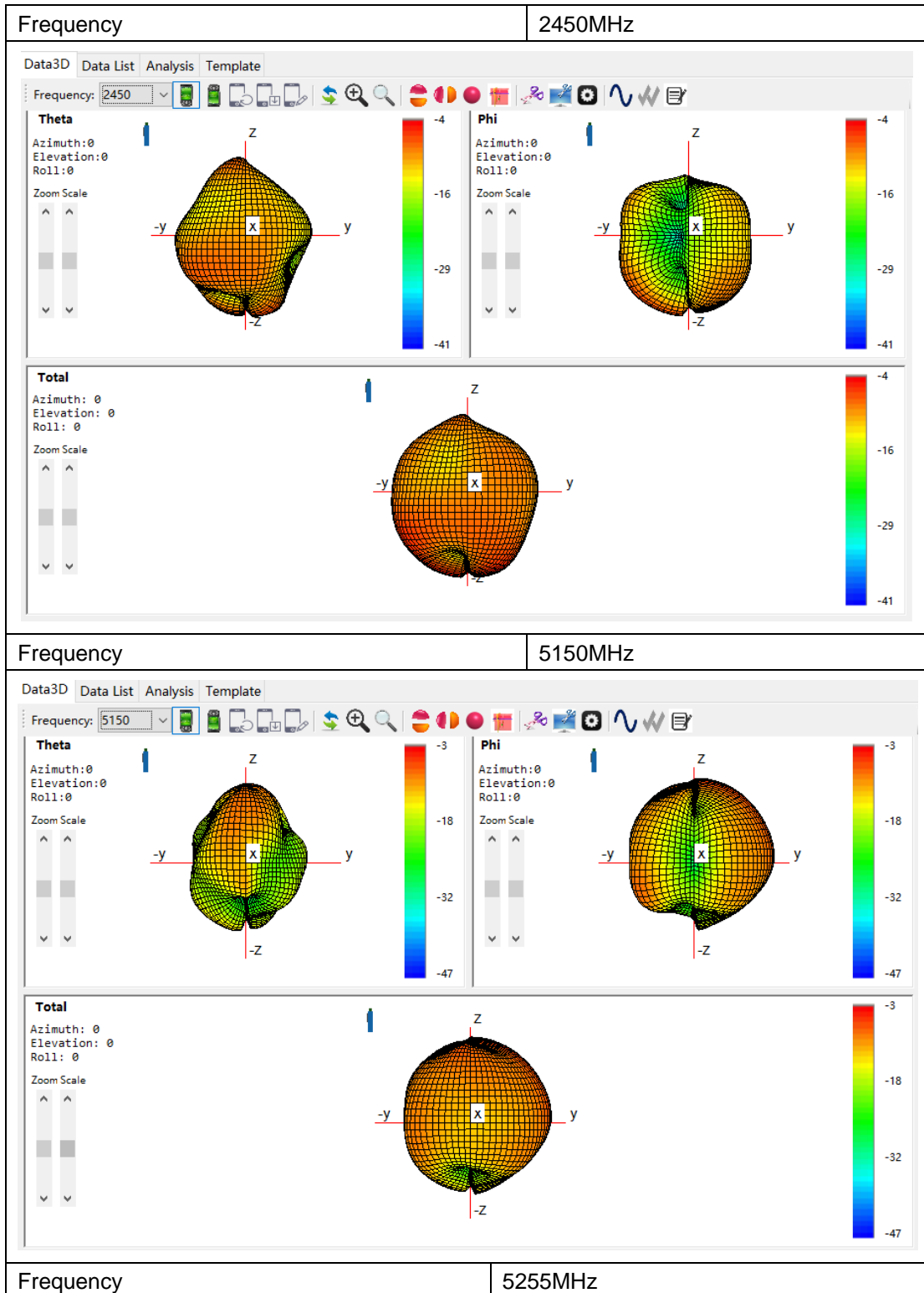
[Free-Running]

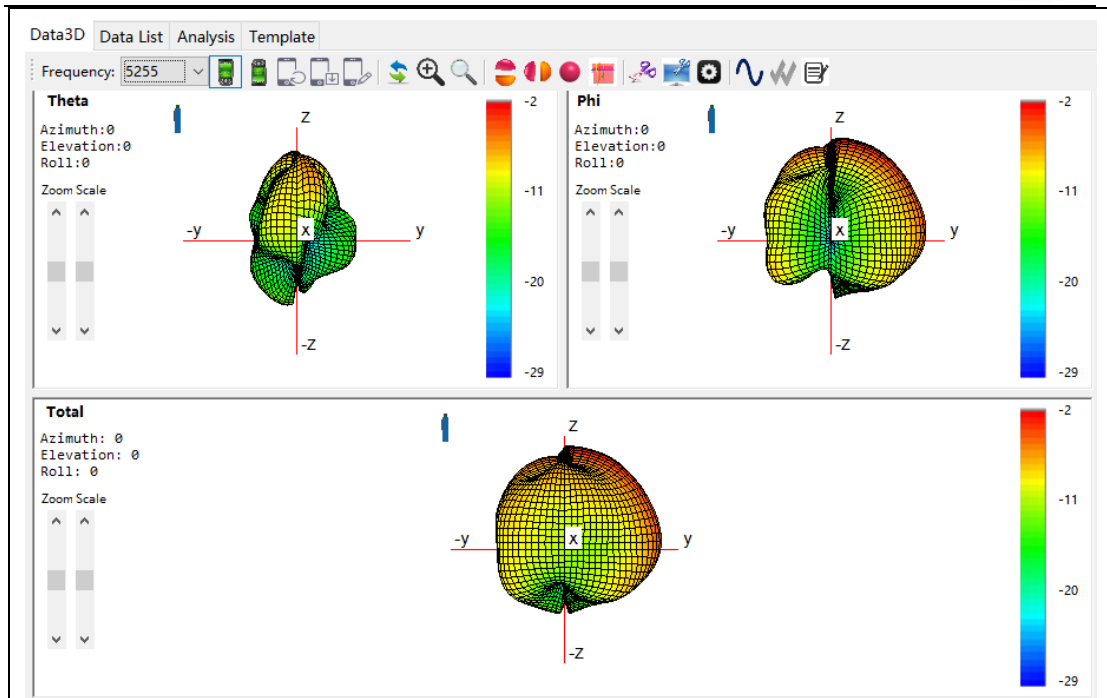


1	1.000 GHz	88.58 D
	0.7646 μH	2.65 D
>2	2.400 GHz	58.65 D
	1.00 μH	34.58 D
3	2.500 GHz	38.77 D
	0.9100 μH	8.29 D
4	5.150 GHz	32.11 D
	0.8600 μH	29.29 D
5	5.800 GHz	33.40 D
	2.10 μH	12.84 D

400.000 GHz

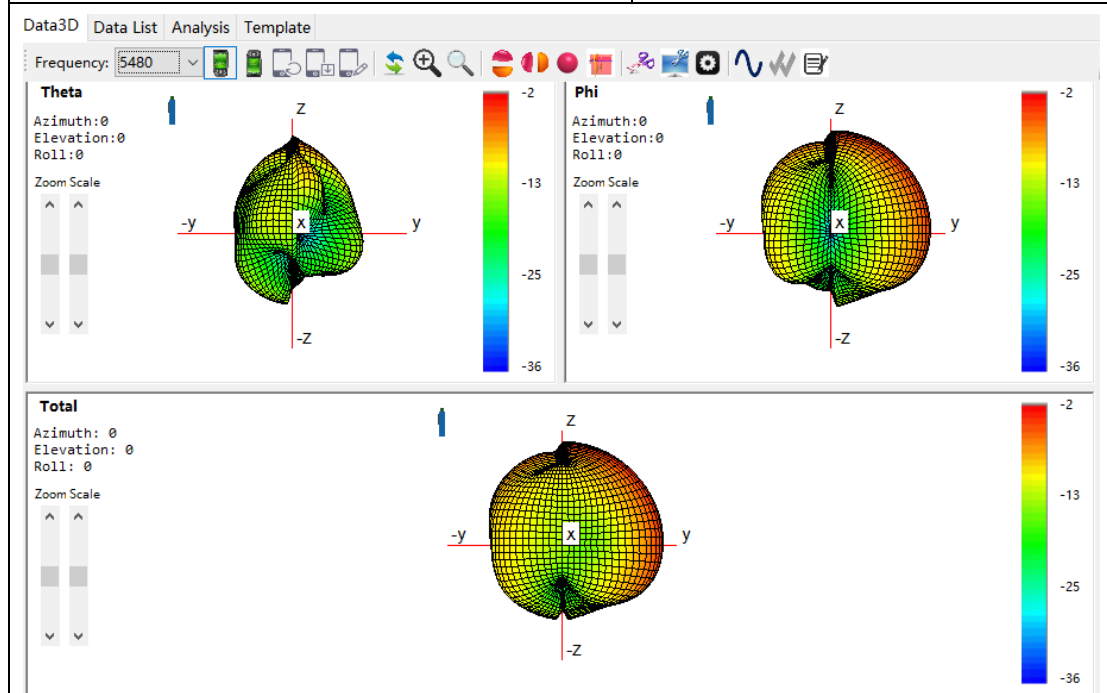
500.000 GHz





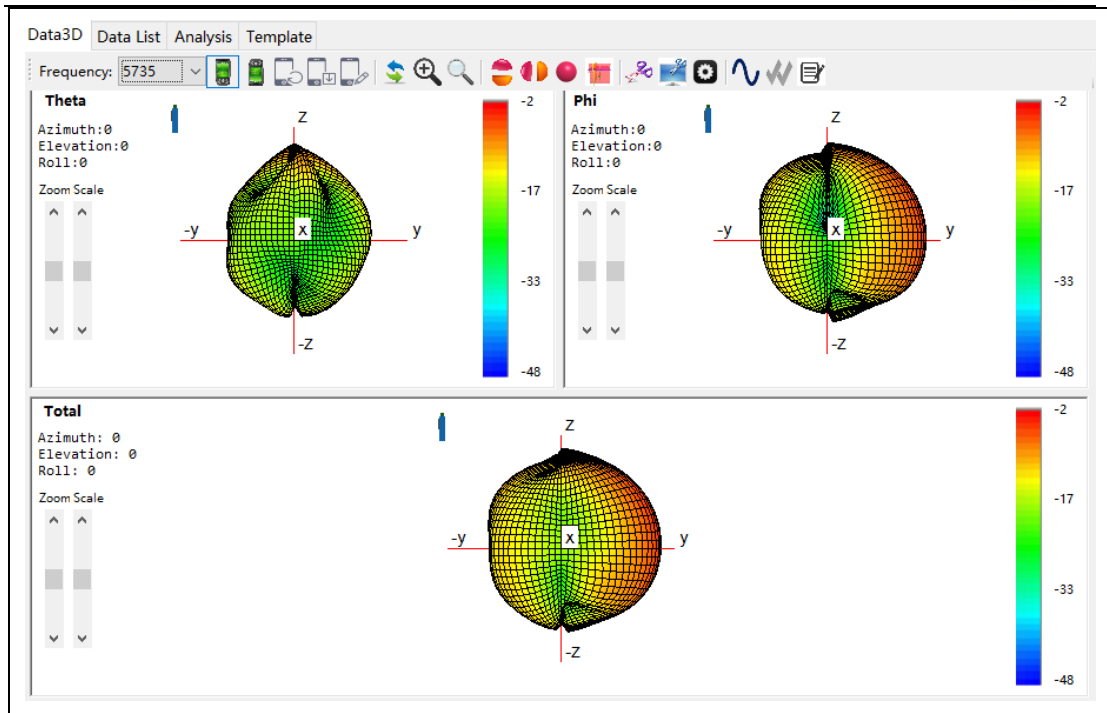
Frequency

5480MHz



Frequency

5735MHz



### 3. Main Test Instruments

Name	Manufacturer	Model name	Serial Number	Software	Cal., Date	Exp., Date
P9371A	KEYSIGHT	P9371A	MY57212591	Network Analyzer	2024-3-29	2025-3-29

### 4. Test Site

Shanghai



End