



Antenna Performance Description

Applicant: Xiaomi Communications Co., Ltd

Antenna Model: P15A Antenna

Test date: 2025/04/08



1. Antenna information

Antenna	Pattern	Antenna Type	Manufacturer	Address	Test party of Antenna gain
MAIN	FPC	PIFA Antenna	Huizhou Speed Wireless Technology Co., Ltd	Building 2, No. 99, weixin Road, weiting Town, Suzhou City, Jiangsu Province, China	Huizhou Speed Wireless Technology Co., Ltd
DIV	FPC	PIFA Antenna	Huizhou Speed Wireless Technology Co., Ltd	Building 2, No. 99, weixin Road, weiting Town, Suzhou City, Jiangsu Province, China	Huizhou Speed Wireless Technology Co., Ltd
GPS/WIFI/BT	FPC	PIFA Antenna	Huizhou Speed Wireless Technology Co., Ltd	Building 2, No. 99, weixin Road, weiting Town, Suzhou City, Jiangsu Province, China	Huizhou Speed Wireless Technology Co., Ltd

2. Test data

Band for Antenna 1	Main ant	
	Effi.(dBi)	Peak gain(dBi)
WCDMA B1	-5.3	-0.6
WCDMA B8	-7.9	-4.9
LTE B1	-5.3	-0.6
LTE B3	-5.5	-0.8
LTE B5	-7.9	-5.9
LTE B7	-5.5	-1.1
LTE B8	-7.9	-4.9
LTE B28	-8.2	-4.9
LTE B38	-5.4	-1.5
LTE B41	-5.4	-1.4

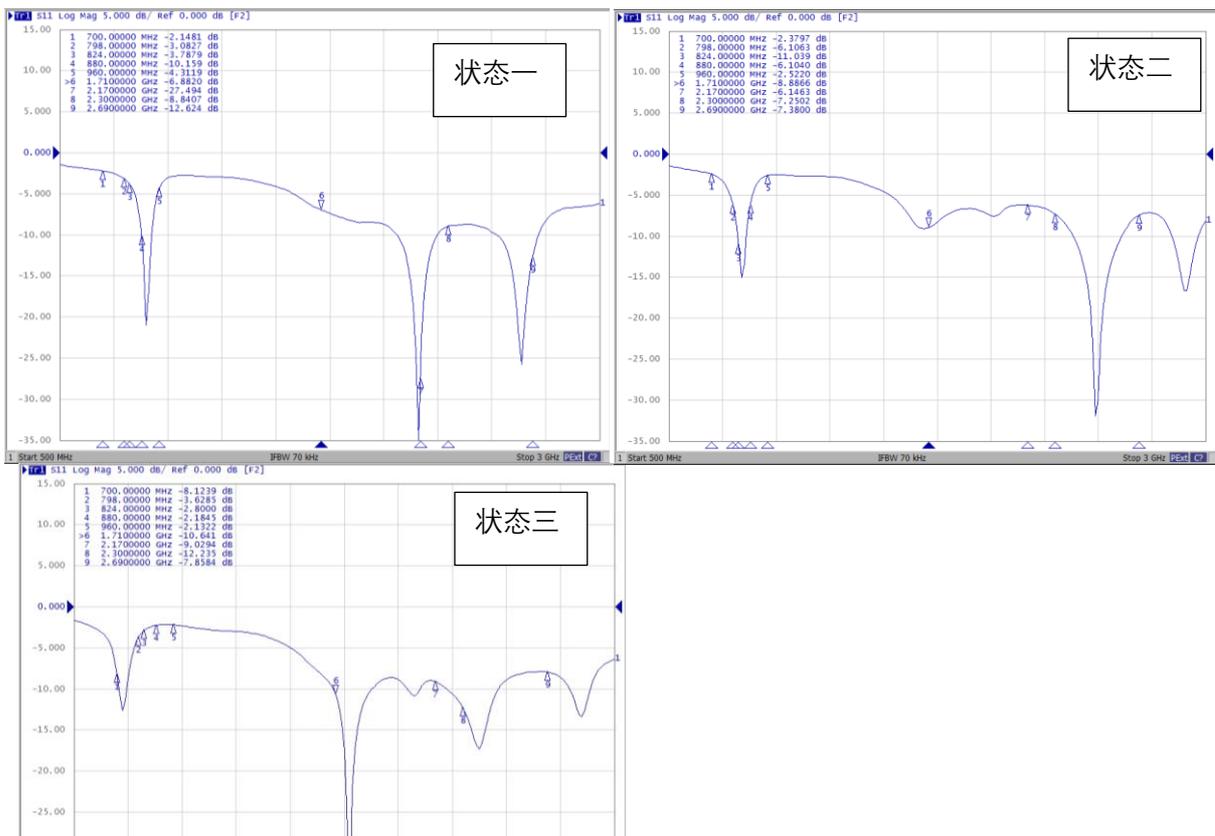
Band for Antenna 2	DIV ant	
	Effi.(dBi)	Peak gain(dBi)
WCDMA B1	-2.7	1.9
WCDMA B8	-8.6	-3.9



LTE B1	-2.7	1.9
LTE B3	-3.6	0.4
LTE B5	-8.8	-5.1
LTE B7	-5.6	-0.7
LTE B8	-8.6	-3.9
LTE B28	-8.8	-4.8
LTE B38	-4.4	-0.6
LTE B41	-4.7	-0.6

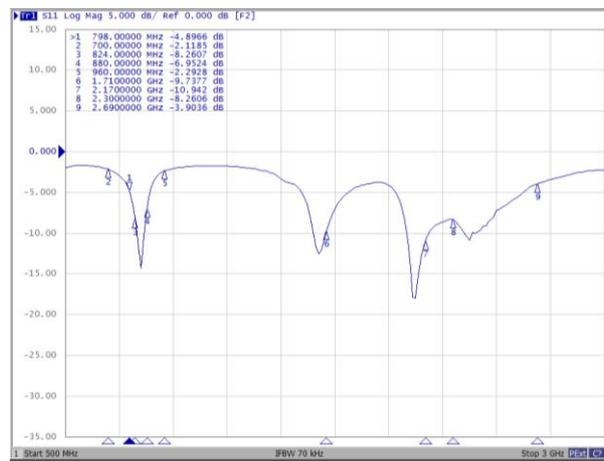
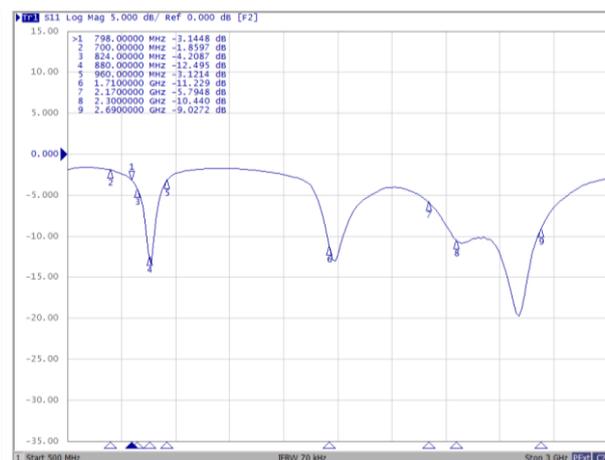
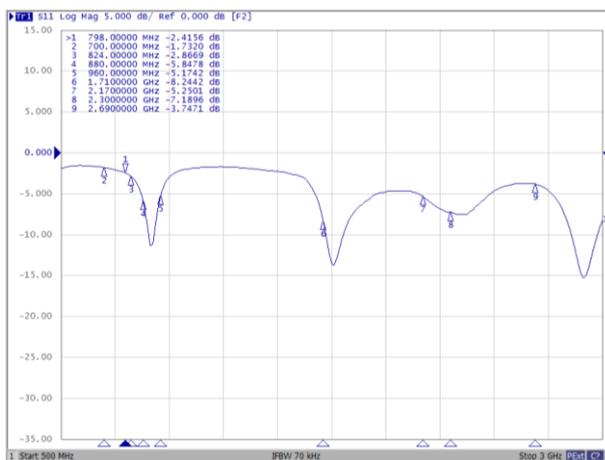
Band for Antenna 3	GPS/WIFI/BT ant	
	Effi.(dBi)	Peak gain(dBi)
2.4G	-4.15	-1.1
5G (5.15-5.25GHz)	-4.13	-1.0
5G (5.25-5.35GHz)	-4.03	-0.9
5G (5.47-5.725GHz)	-4.5	0.0
5G (5.725-5.85GHz)	-4.98	-0.6
Bluetooth	-4.15	-1.1

S11:
Main



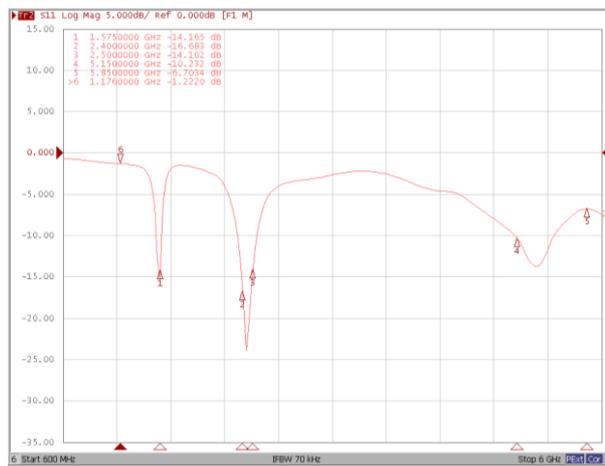


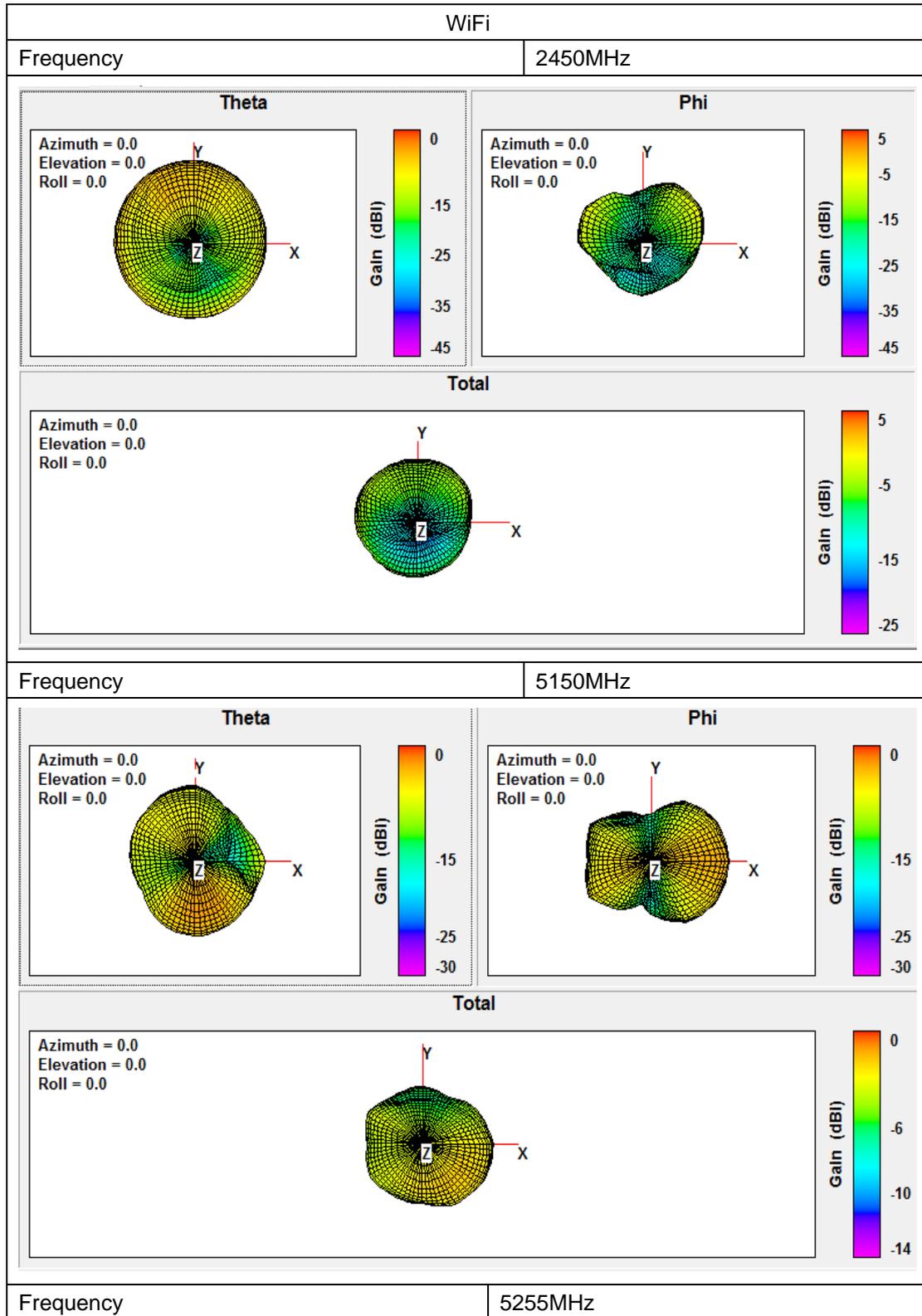
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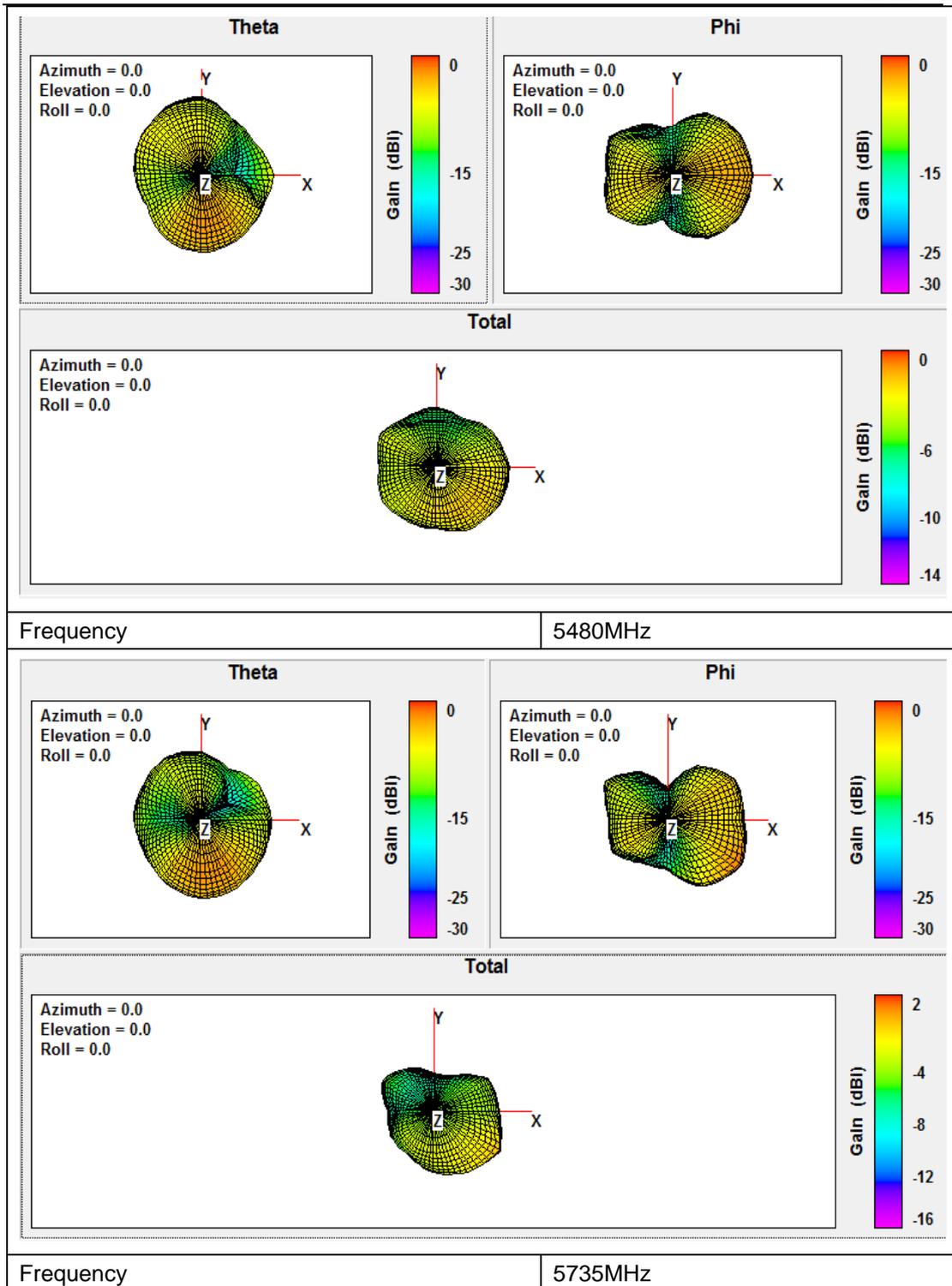


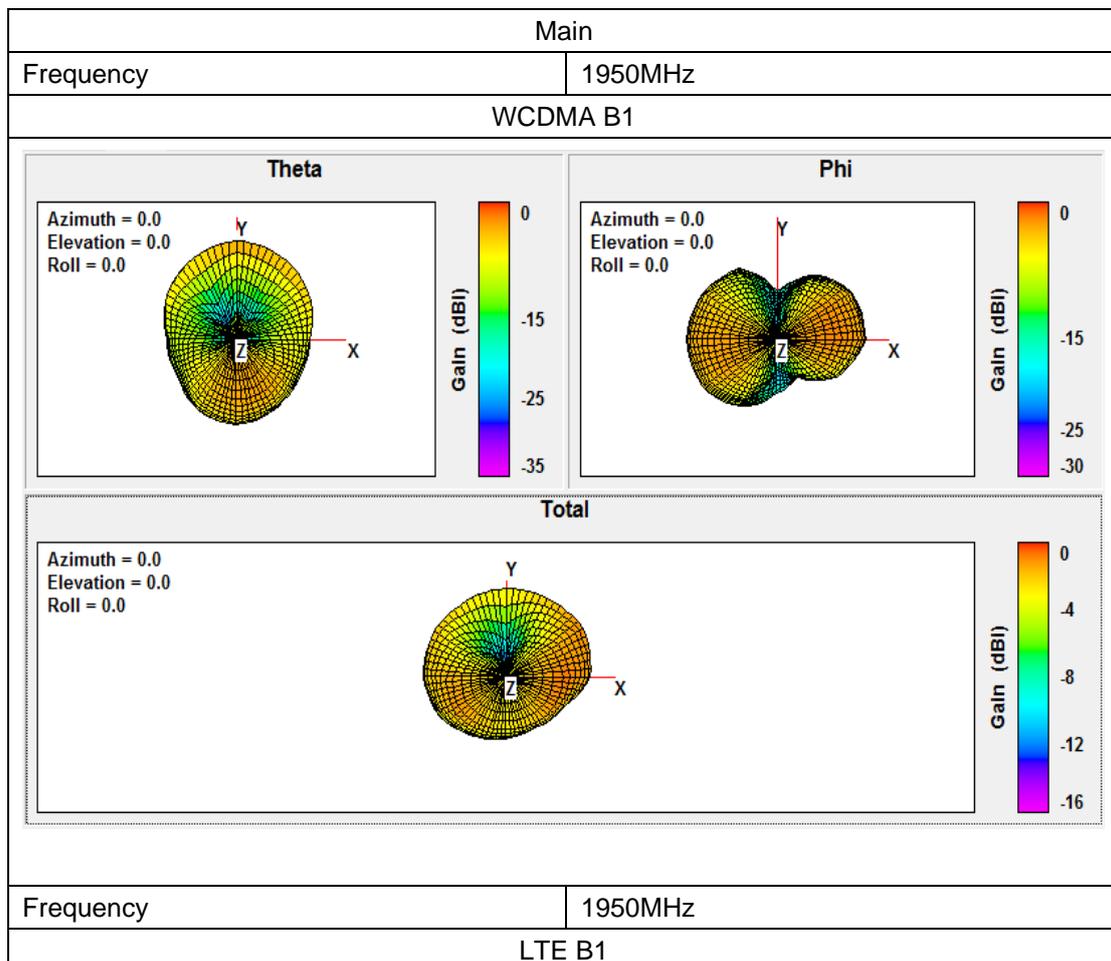
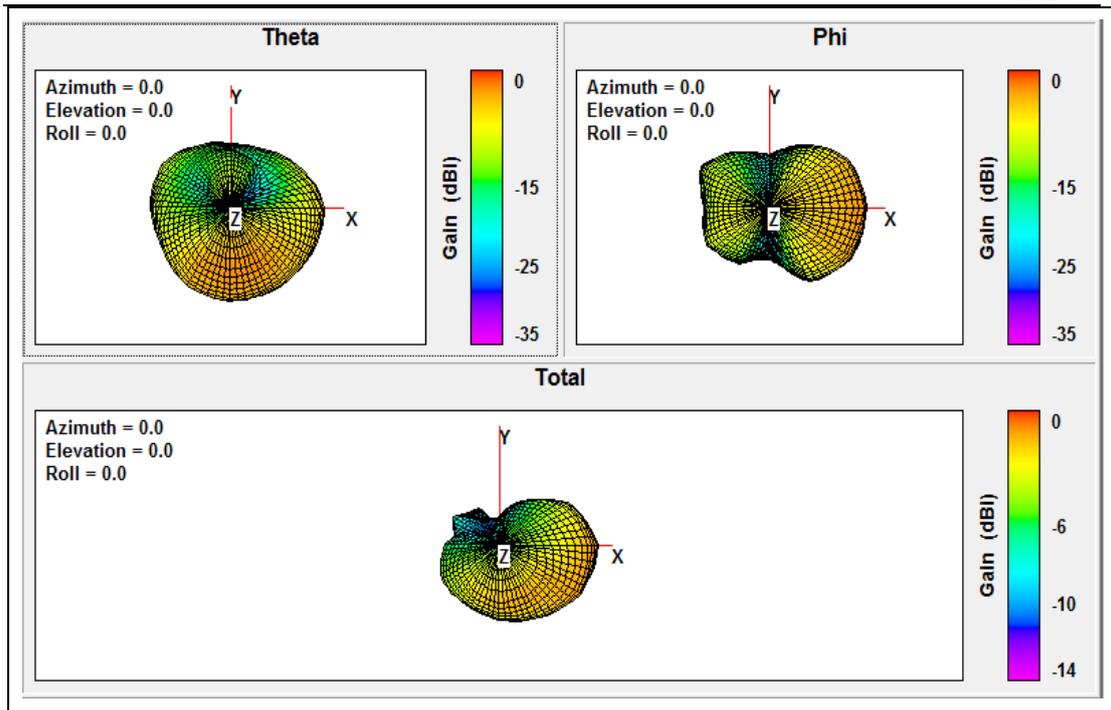


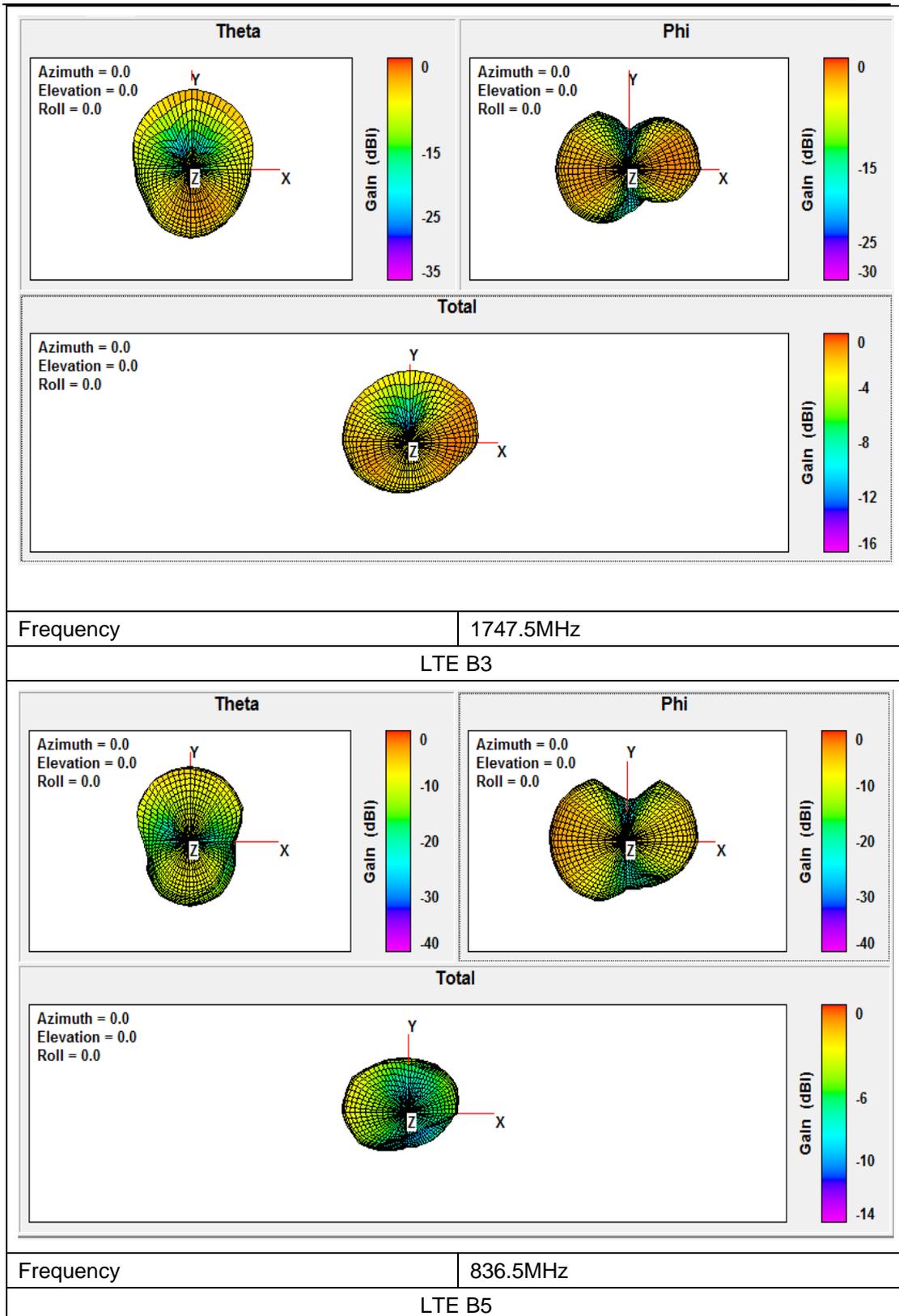
GPS/WIFI/BT

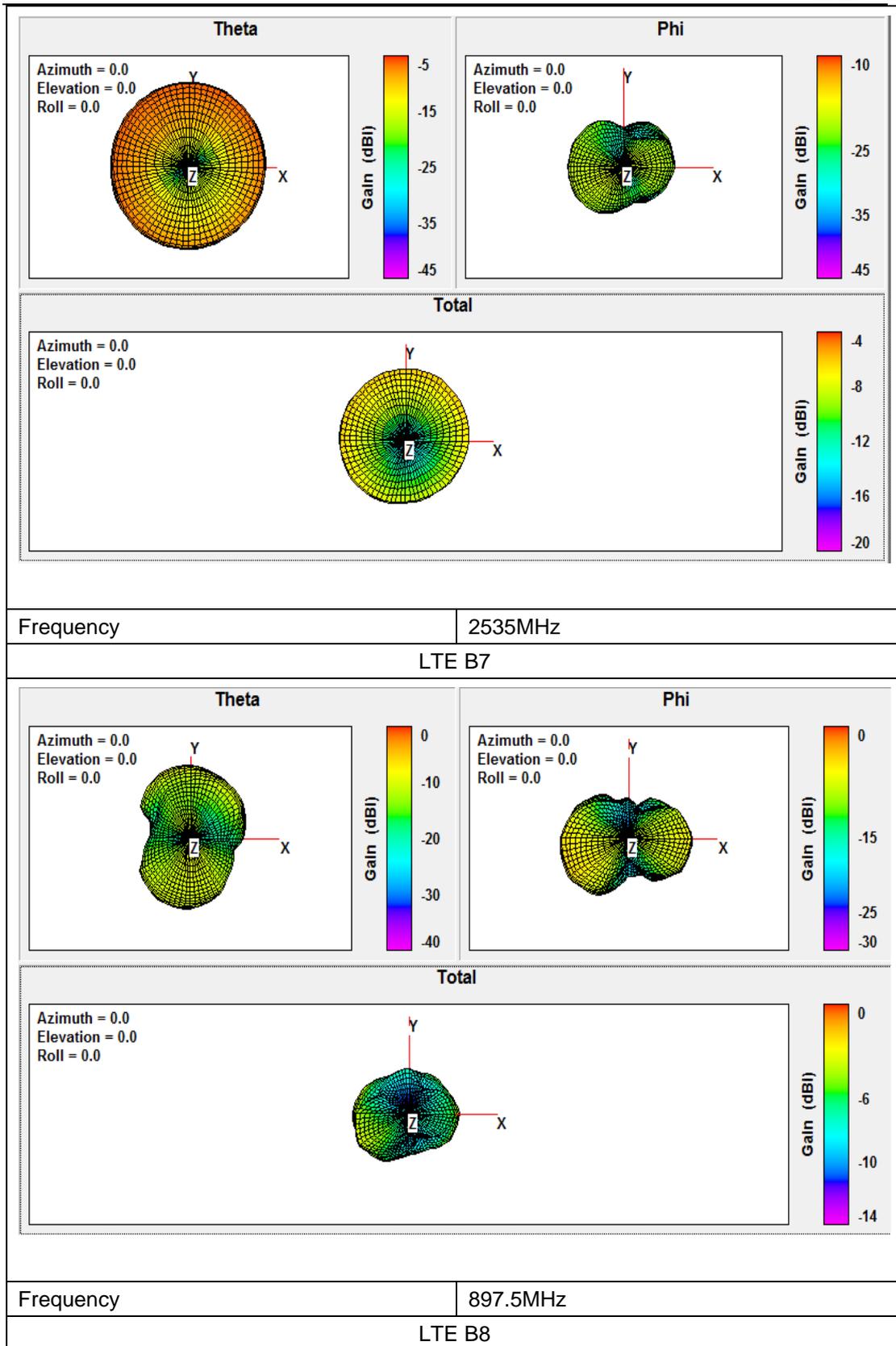


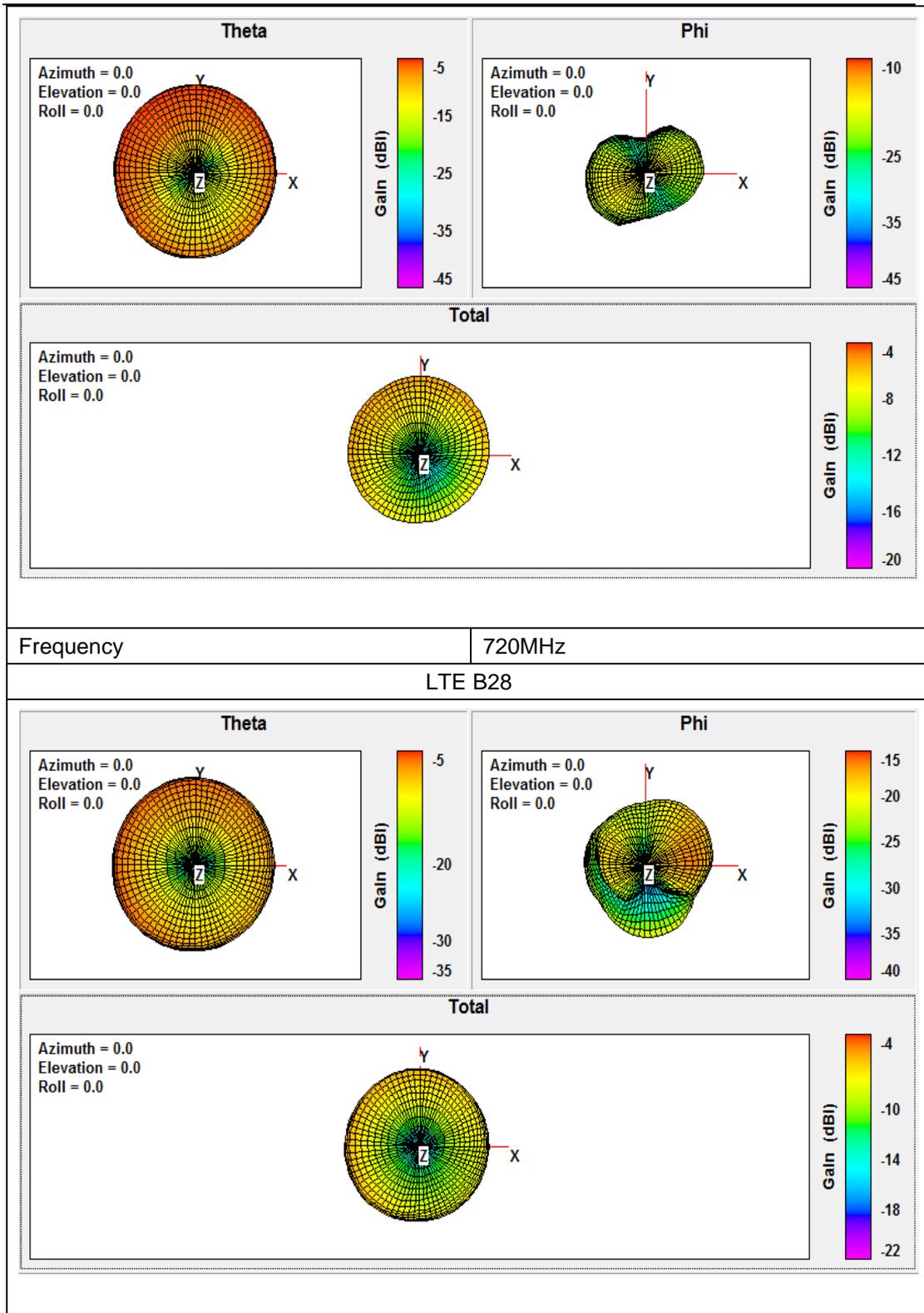


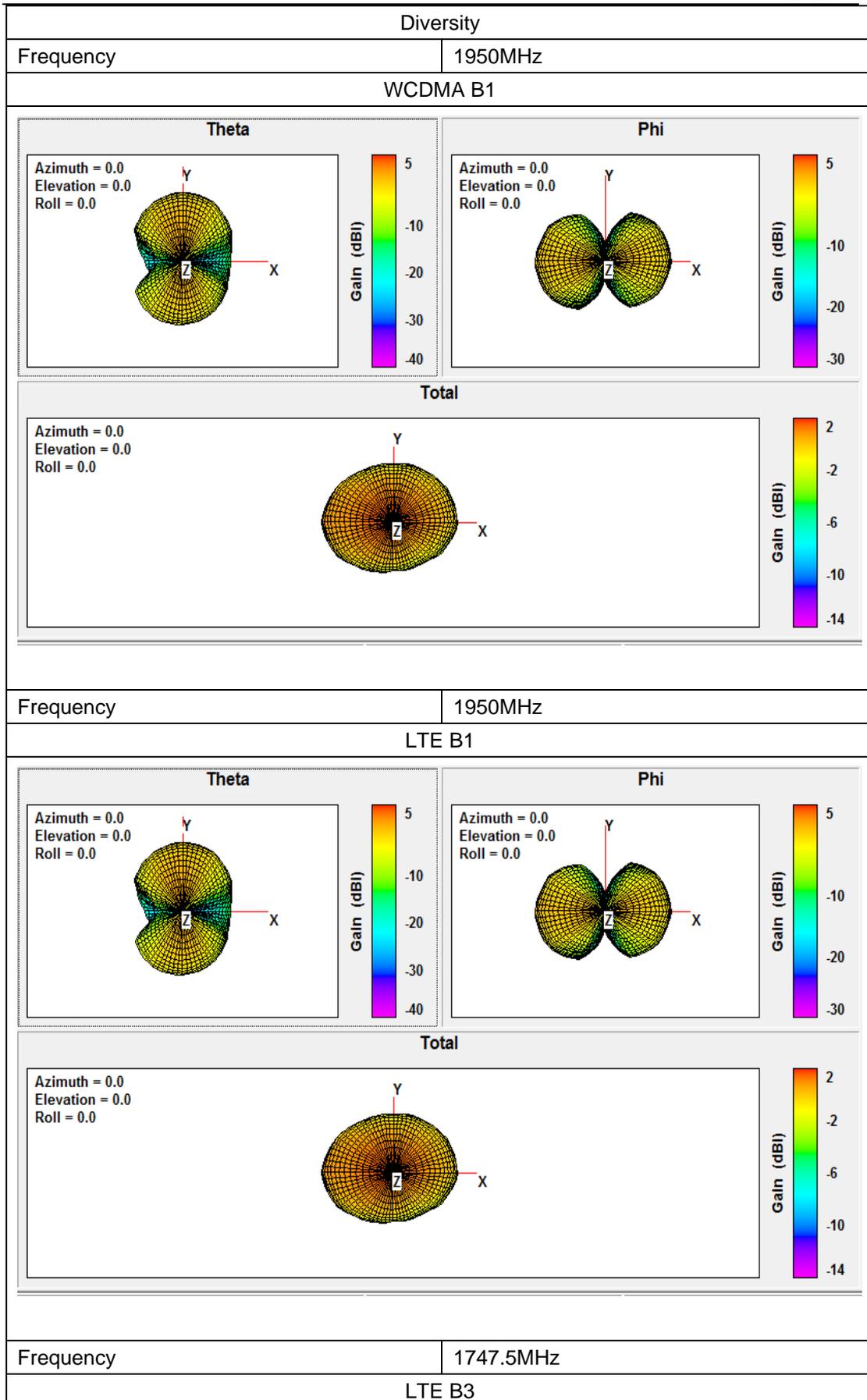


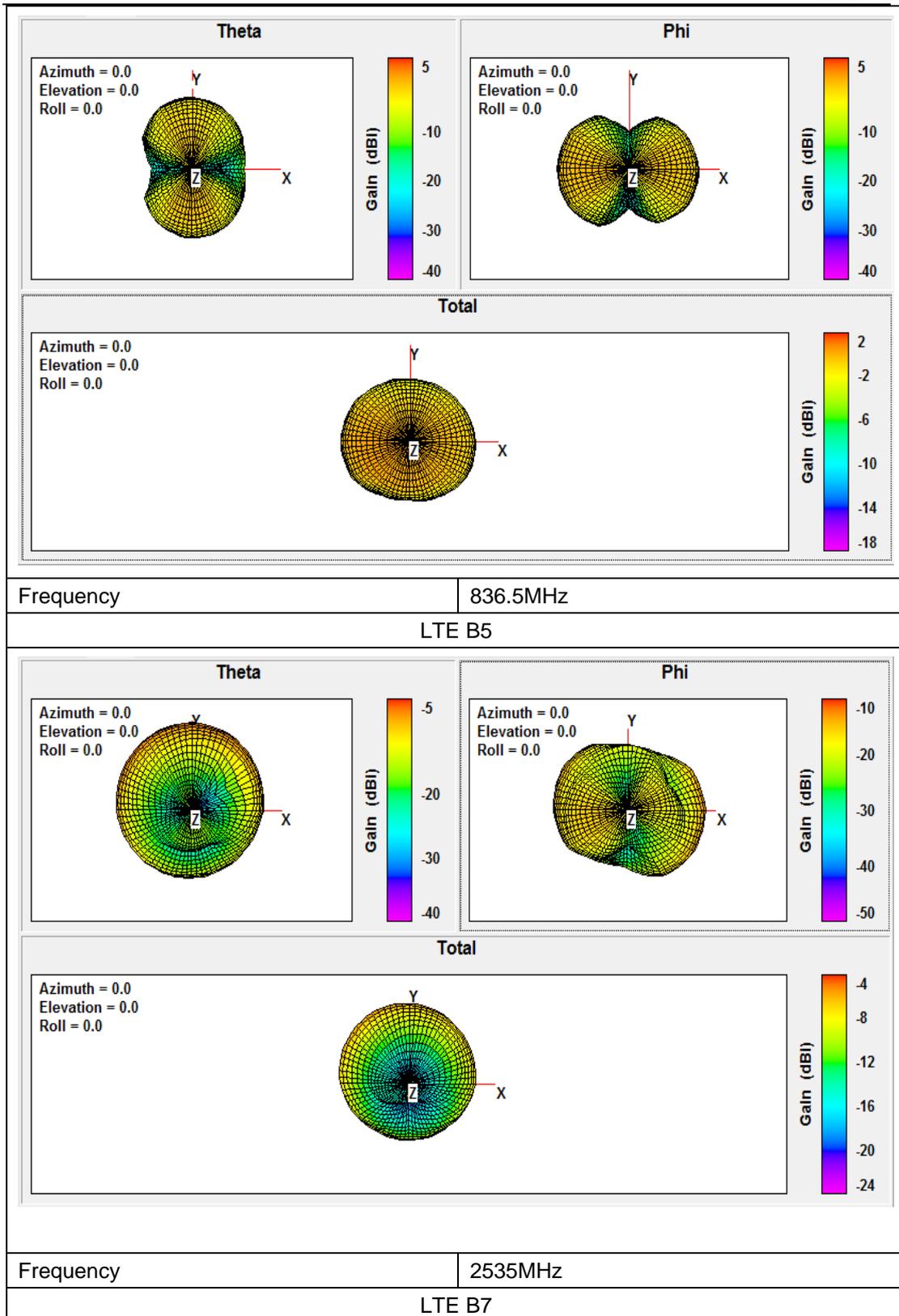


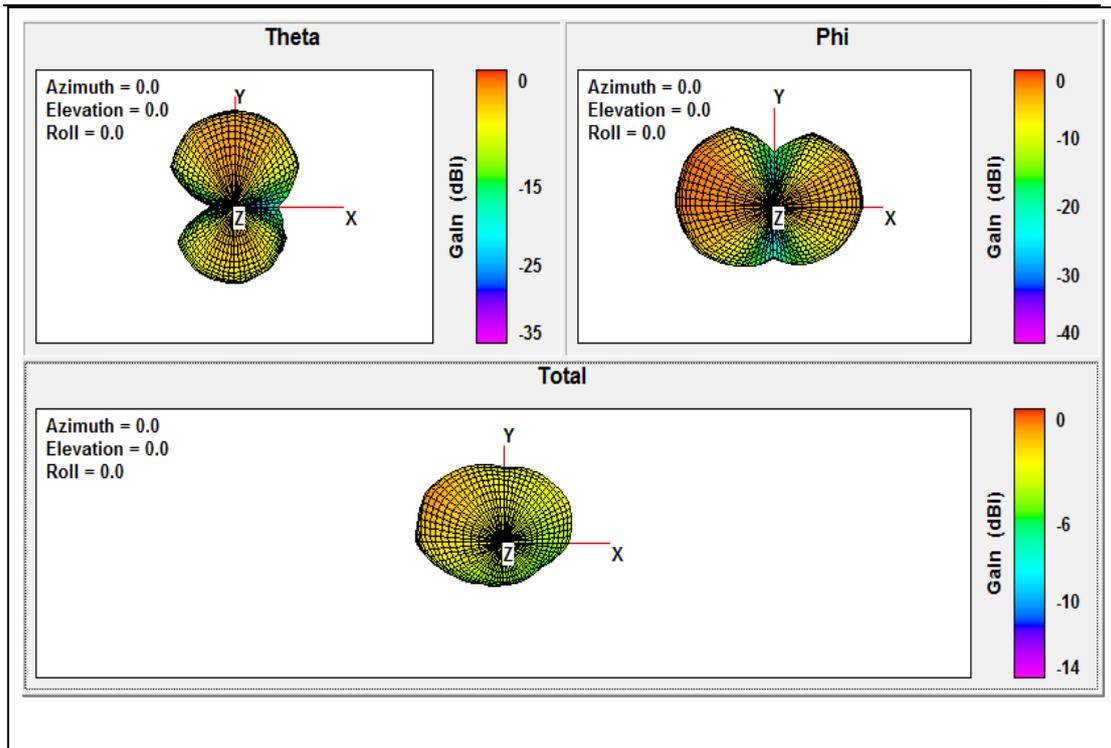








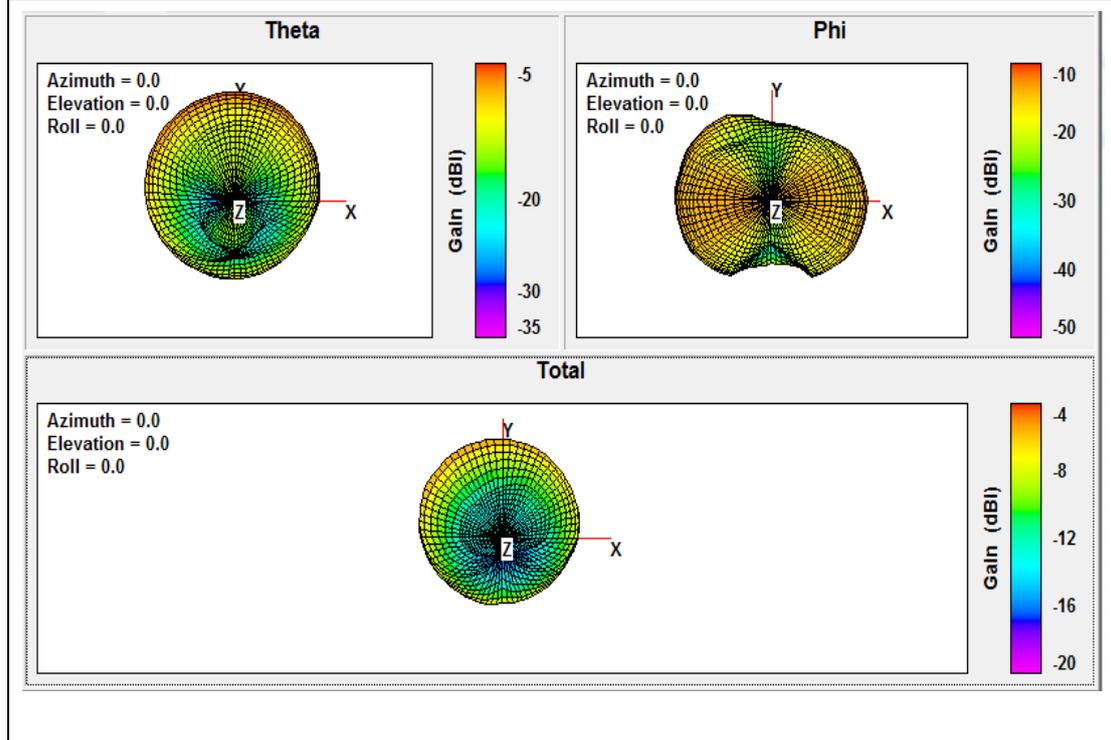




Frequency

897.5MHz

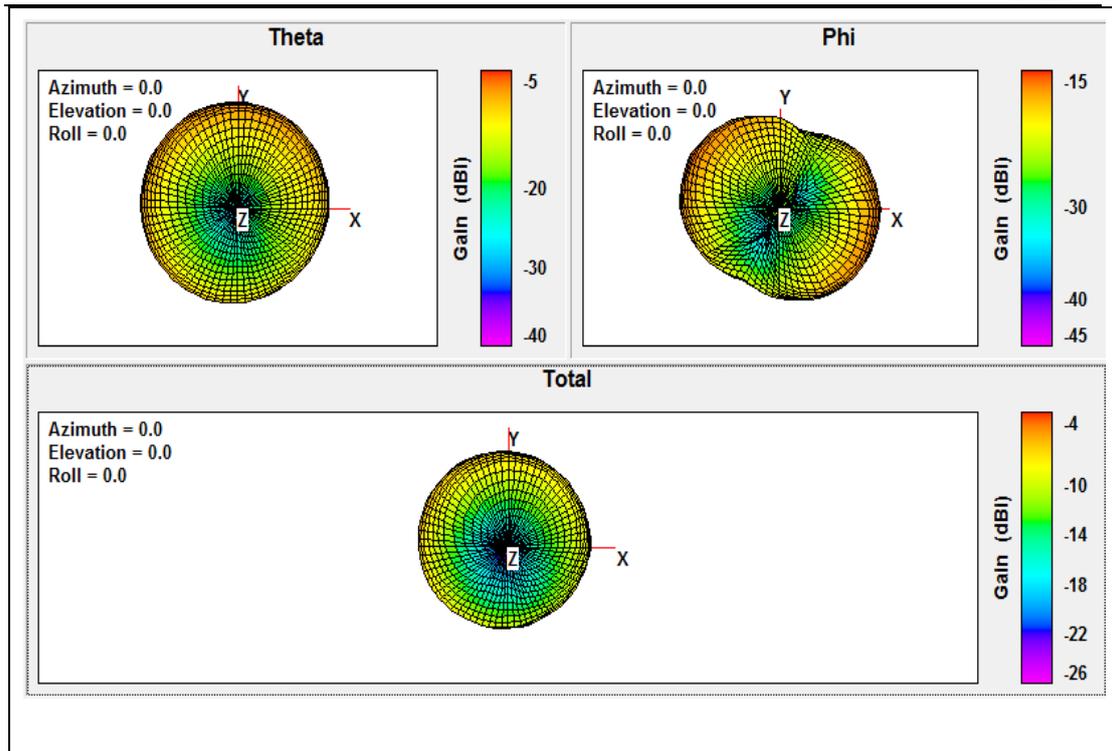
LTE B8



Frequency

720MHz

LTE B28



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 of Test Report