

Antenna Report

Mobile antenna test report

For FCC ID: 2A28UPN500CC

Etheta Communication Technology (Shenzhen) Co.,
Ltd.

RF:Lixiangdong

Date:2026.09.03

Office address: Room 401, Building 1, No.6 Zhangfeng Road,
Dongfang Community, Songgang Subdistrict, Bao'an District,
Shenzhen City

Test equipment

Wireless communications test set:

CMW500/SP9500E

Network Analyzer: Agilent 5071C

Anechoic Chamber : GTS 2800

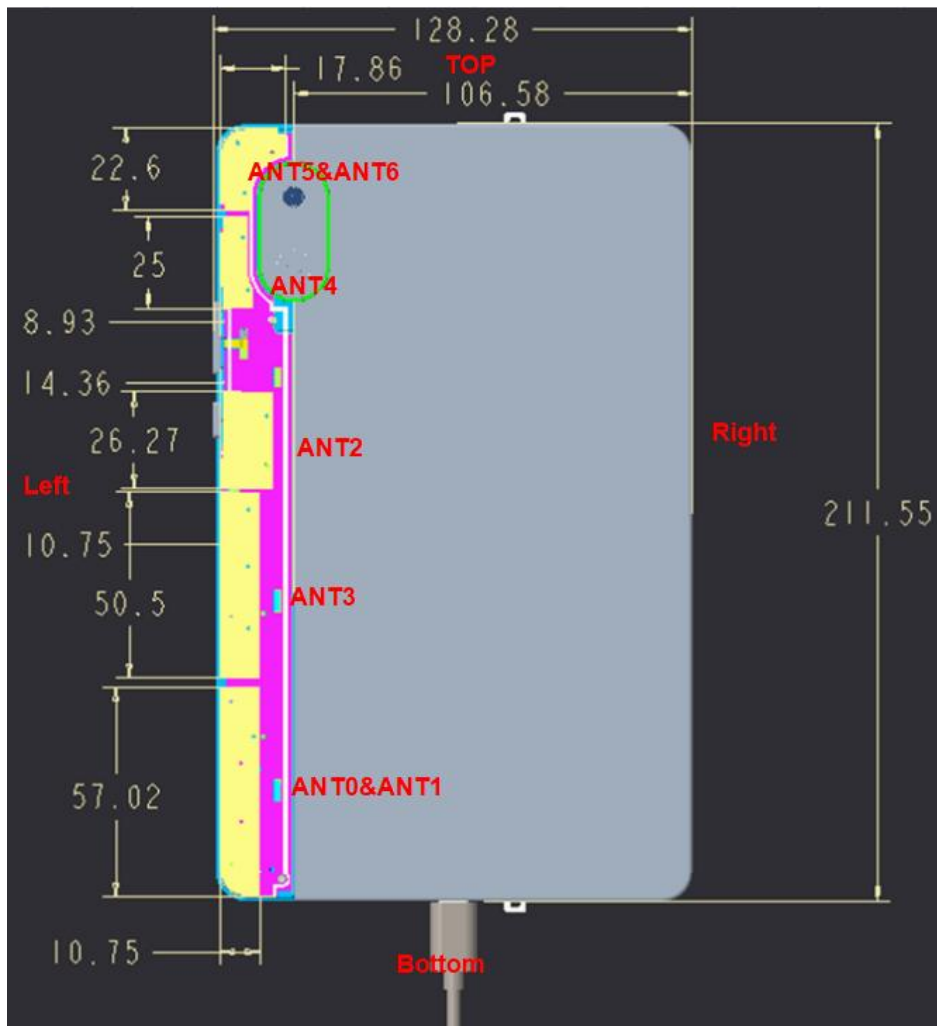


Antenna information

Customer	BLU Products, Inc.
Antenna model	FPC
Antenna type	PIFA

Antenna	Support Band
ANT0	UMTS B1/2/4/5/8 TRX LTE B2,B3,B4,B5,B7,B12,B14/17,B20,B29,B30,B66 TRX Sub-6 n5,n2,n30,n66 TRX
ANT1	n77 TRX
ANT2	LTE B2/4/30/66 DRX2 Sub-6 n2,n30,n66 DRX2 n77 DRX2
ANT3	UMTS B1/B2/4/B5/B8 DRX LTE B2,B3,B4,B5,B7,B12,B14/17,B20,B29,B30,B66 DRX Sub-6 n5/26,n2,n30,n66,n29 DRX
ANT4	LTE B2/4/66 PRX2 Sub-6 n2,n66 PRX2 n77 DRX
ANT5	WIFI/BT/GPS
ANT6	B30 PRX2 n30PRX2 n77 PRX2

Antenna Location



Antenna Max. Peak Gain:

ANT 0	
Band	Gain
WCDMA B1	-1.7
WCDMA B2/LTE B2/N2	-1.6
WCDMA B4/LTE B4	-1.7
WCDMA B5/LTE B5/N5	-2.4
WCDMA B8	-2.2
LTE B12	-0.1
LTE B14	-2
LTE B17	-0.1
LTE B29	-0.3
LTE B30/N30	-3
LTE B66/N66	-1.7

LTE B3	-1.7
LTE B7	-3.3
LTE B20	-2.4

ANT 1	
Band	Gain
N77	-1.3

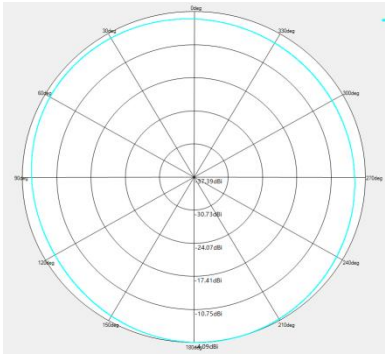
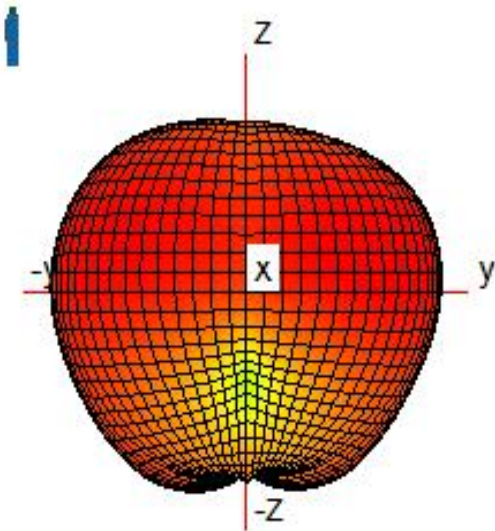
ANT 4	
Band	Gain
LTE B2/N2	-1.9
LTE B4	-2.2
LTE B66/N66	-2.4

ANT 5	
Band	Gain
GPS	-1.3
2.4G WIFI/BT	-1.45
5G WIFI	-0.72

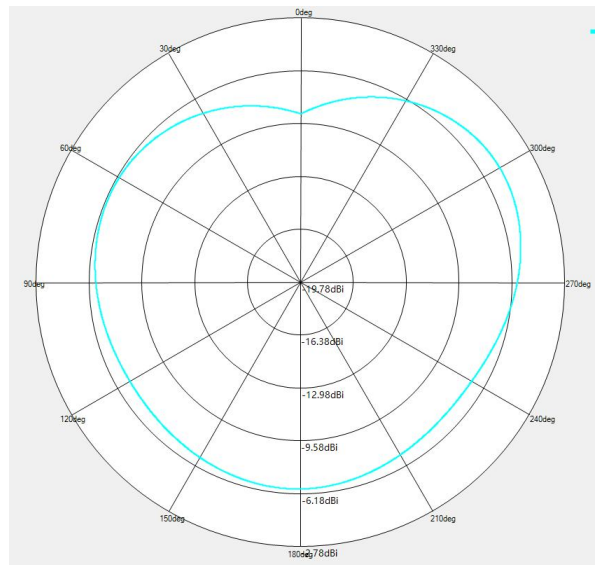
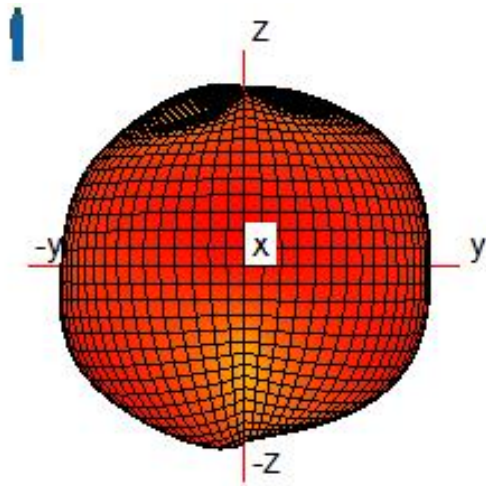
ANT 6	
Band	Gain
LTE B30/N30	-0.9

3. Radiation pattern diagram

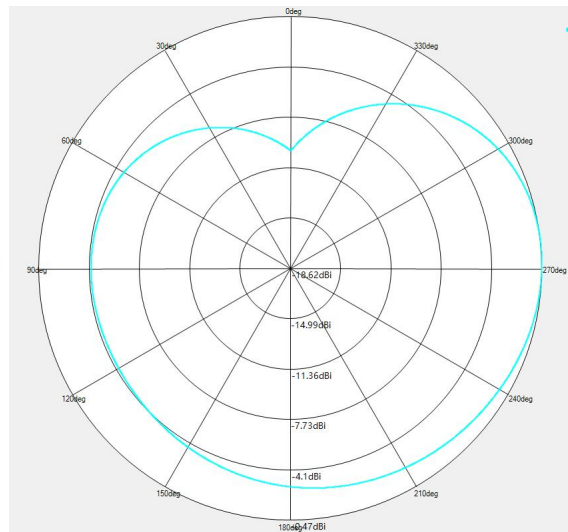
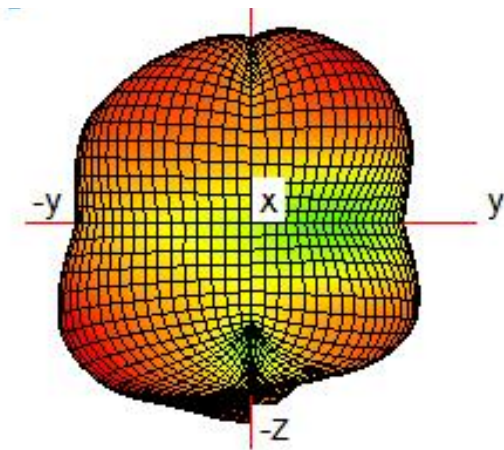
603MHZ~960MHZ



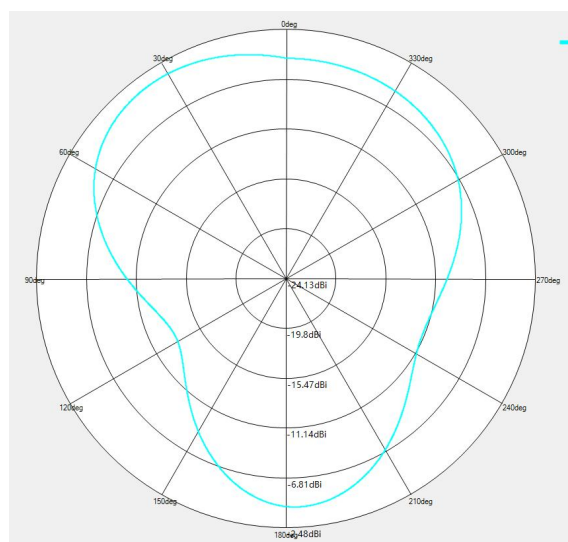
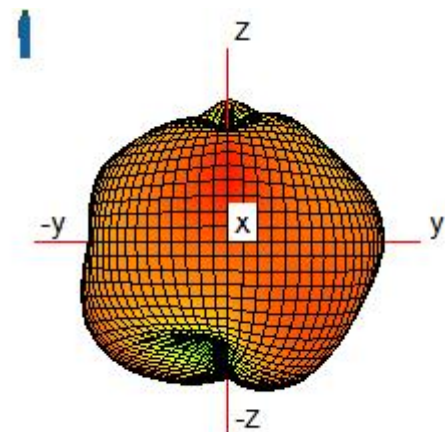
1710MHZ~2170MHZ



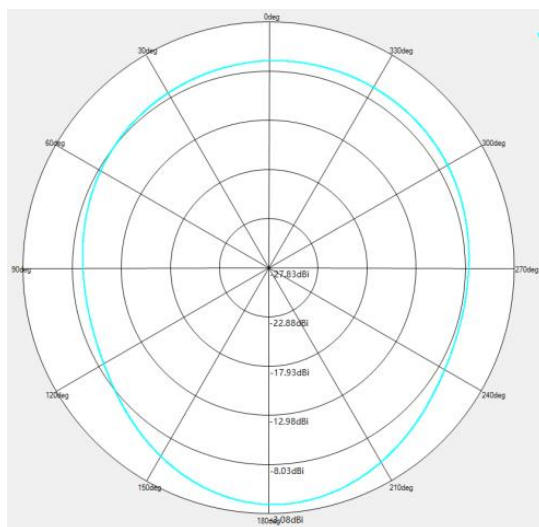
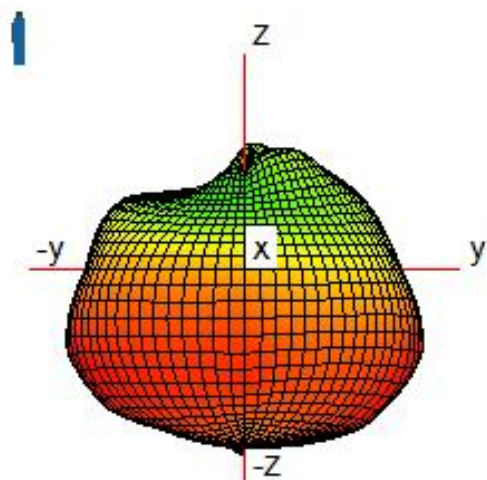
2300MHZ~2360MHZ



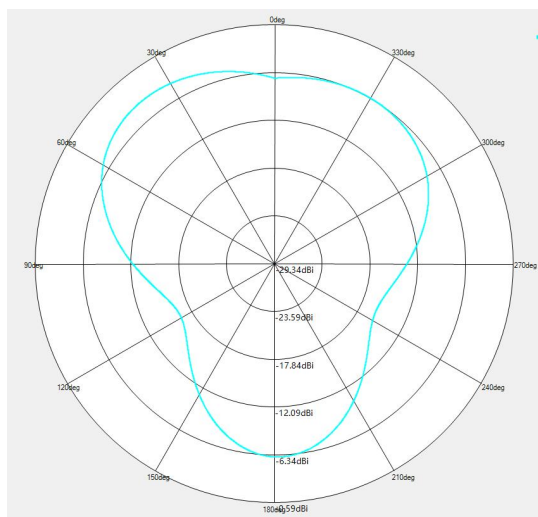
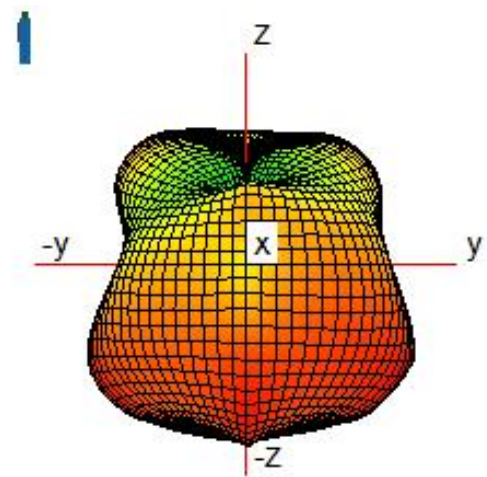
3300MHZ~4200MHZ



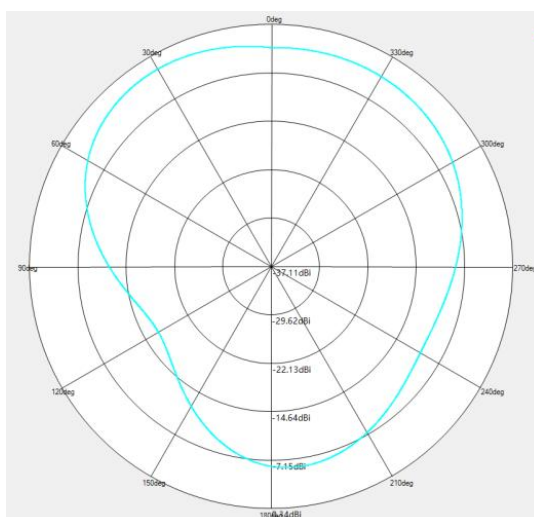
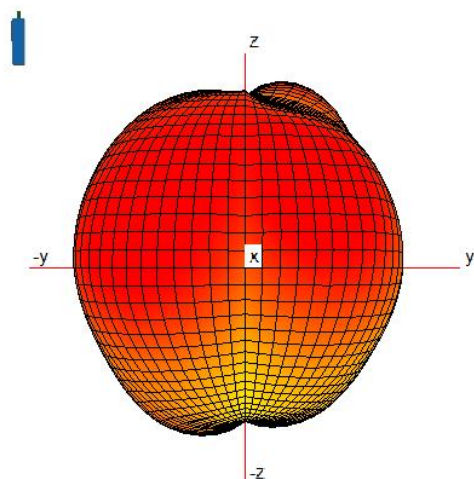
1550~1600MHz (GPS)



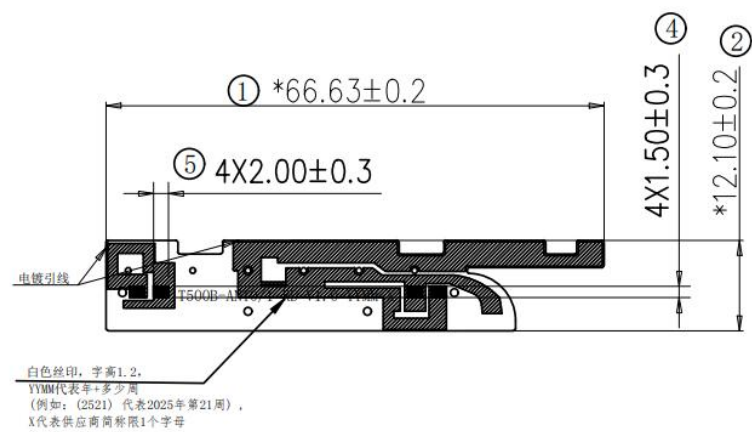
2400MHz~2500MHz (BT/WIFI 2.4G)



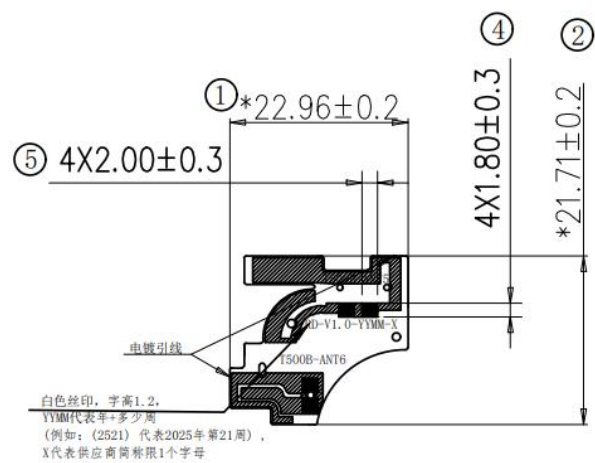
5150MHz~5850MHz (WIFI 5G)



Dimensional drawing of main antenna



Dimensional drawing of GPS/WIFI/BT antenna



Dimensional drawing of diversity antenna

