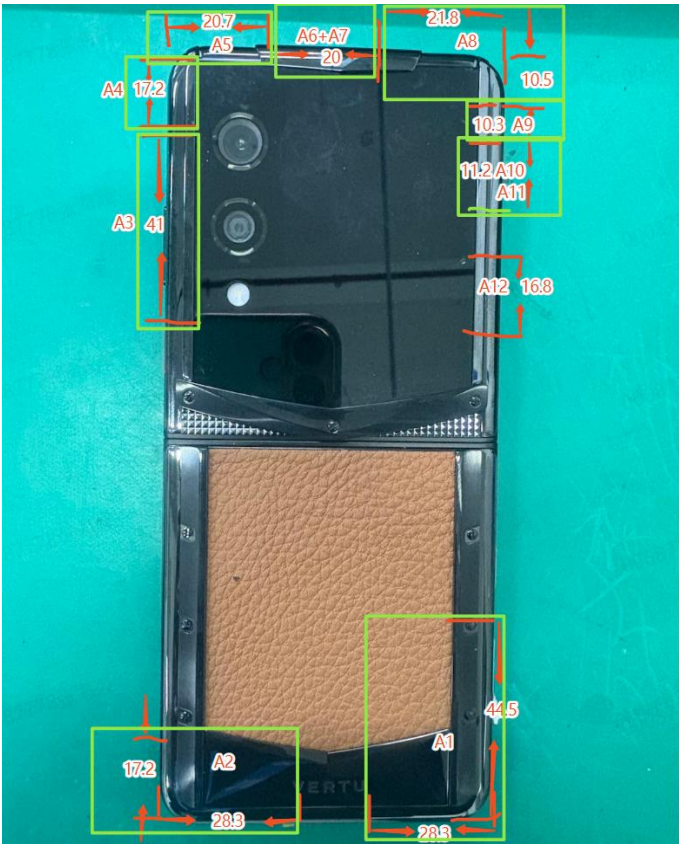


Antenna Parameter Sheet For PQ84A31

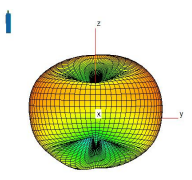
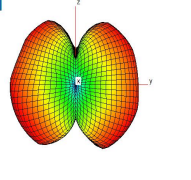
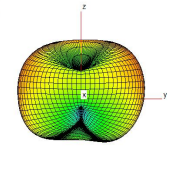
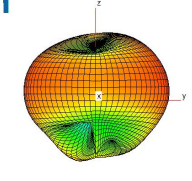
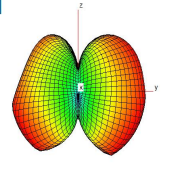
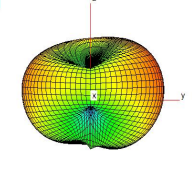
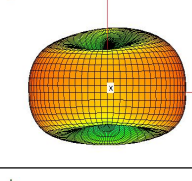
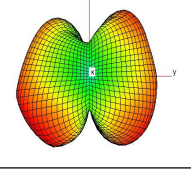
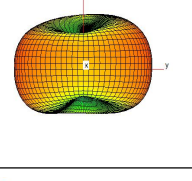
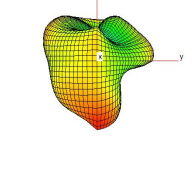
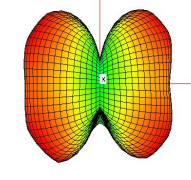
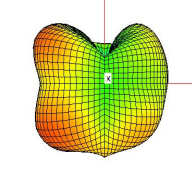
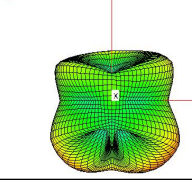
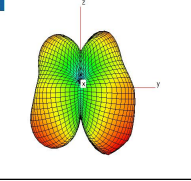
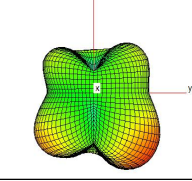
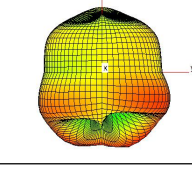
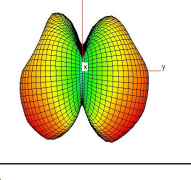
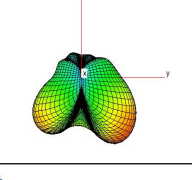
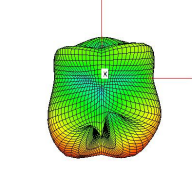
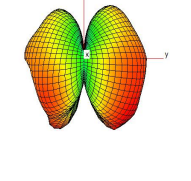
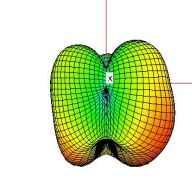
	Main antenna	Diversity antenna	GPS/WIFI/BT antenna	NR antenna
Antenna type	Internal PIFA	Internal PIFA	Internal PIFA	Internal PIFA
Model	PQ84A31_main antenna	PQ84A31_Diversity antenna	PQ84A31_GPS/WIFI/BT antenna	PQ84A31_NR antenna

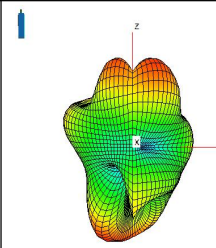
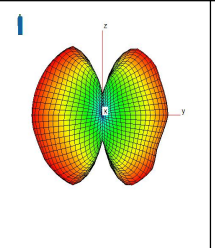
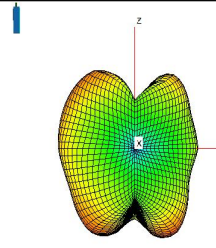
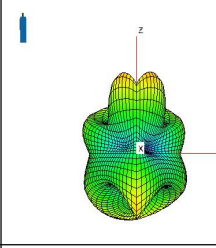
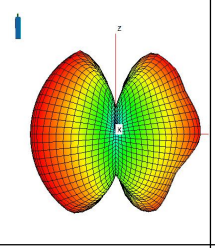
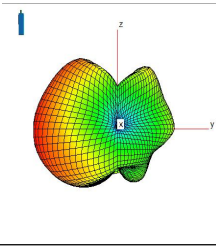
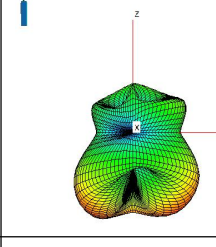
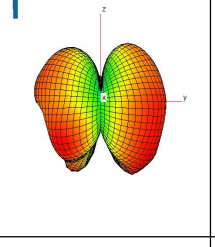
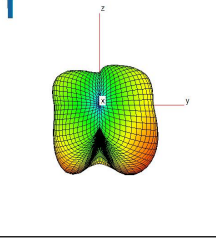
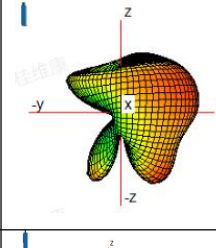
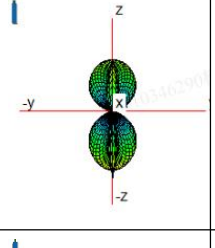
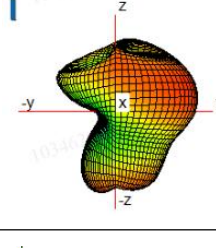
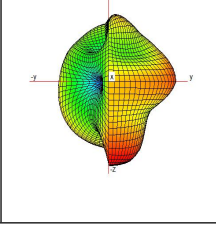
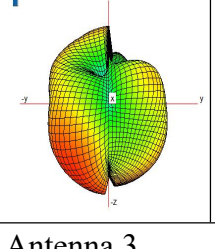
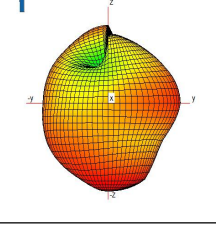
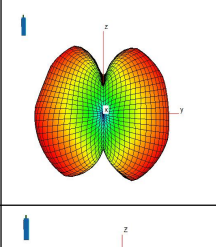
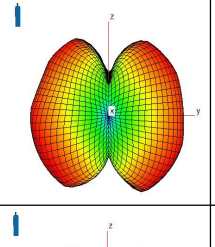
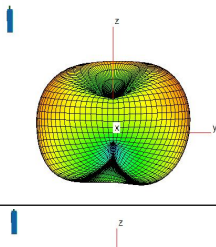
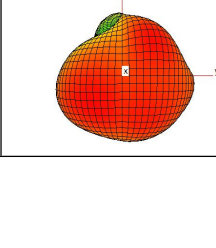
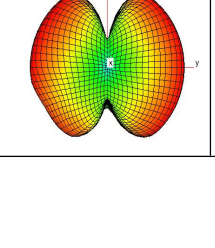
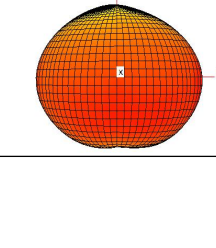
Antenna position

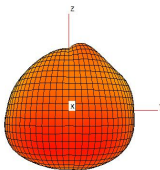
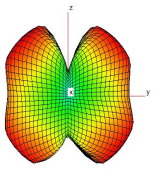
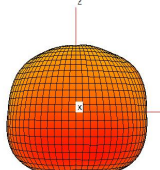
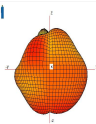
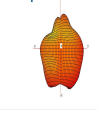
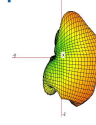
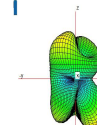
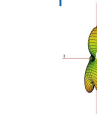
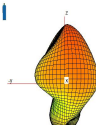
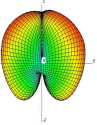
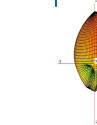
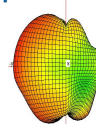
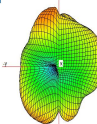
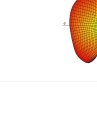
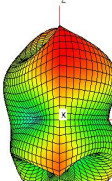
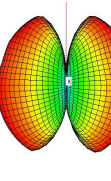
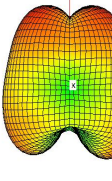
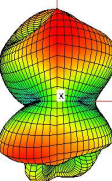
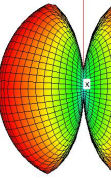
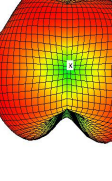


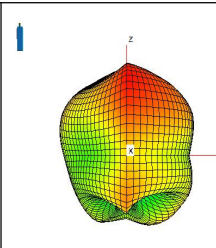
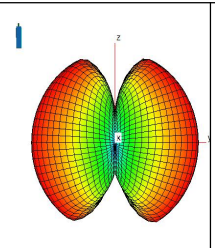
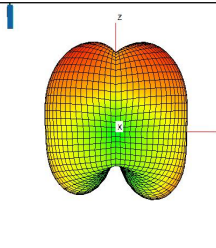
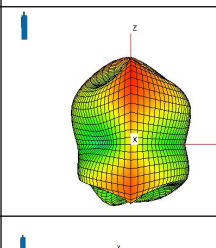
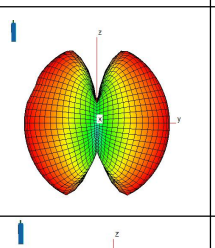
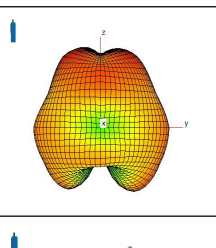
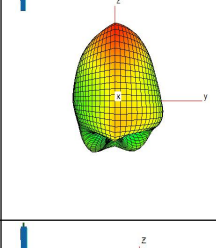
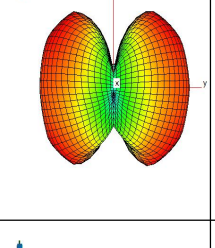
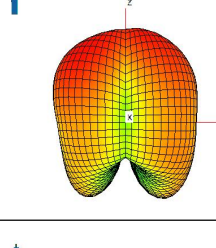
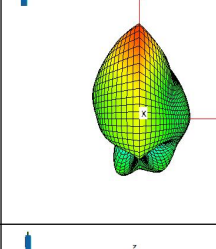
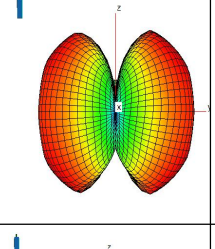
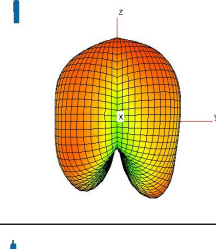
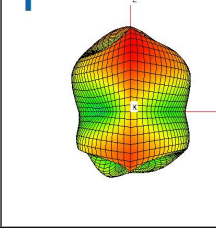
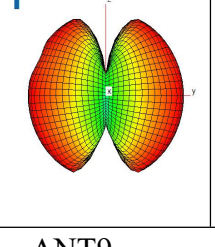
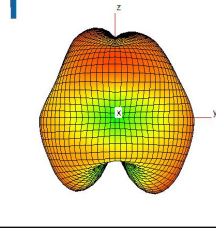
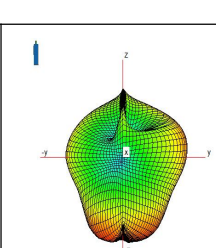
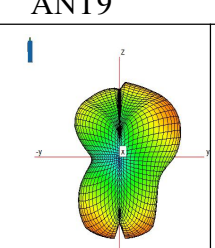
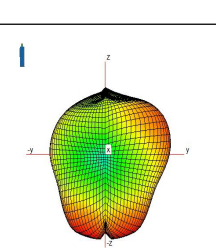
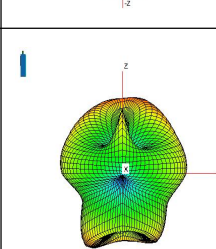
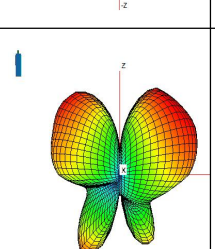
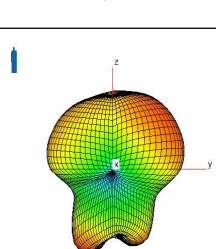
ANT1 TRX : LTE (B5/8/12/17/18/19/20/26/28) + NR (N5/8/20/26/28) +
 UMTS (B5/6/8/19) + GSM (B5/8)
 RX : LTE (B1/3/7/40/41/66) + NR (N1/3/7/40/41/66)
 ANT2 TRX : LTE (B1/3/66) + NR (N1/3/66)
 RX : LTE (B7/40/42) + NR (N7/40/77/78)
 ANT3 TRX : LTE (B5/8/12/17/18/19/20/26/28) + NR (N5/8/20/26/28) +
 UMTS (B5/6/8/19) + GSM (B5/8)
 ANT4 WIFI 2.4&7G CHO+BT CHO
 ANT5 GPS L2L5
 ANT6 WIFI 7G CH1
 ANT7 GPS L1+WIFI 2.4G CH1+BT CH1
 ANT8 RX : LTE (B1/2/3/4/7/25/34/39/40/41/38/66) +
 NR (N1/2/3/7/25/38/40/41/66) + UMTS (B1/2/4) + GSM (2/3)
 ANT9 TRX : NR (N38/41/77/78) + LTE (B38/41/42)
 ANT10 TRX : NR (N77/78)
 RX : LTE B42
 ANT11 TRX : LTE (B1/2/3/4/7/25/34/39/40/41/38/66) +
 NR (N1/2/3/7/25/38/40/41/66) + UMTS (B1/2/4) + GSM (2/3)
 ANT12 RX : NR (N77/78)+LTE B42

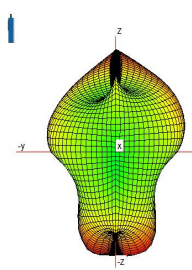
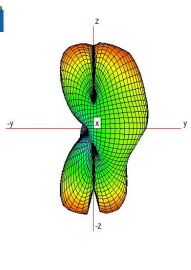
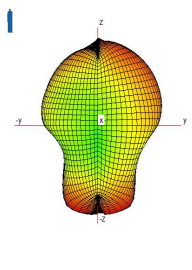
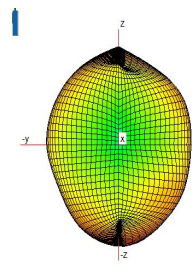
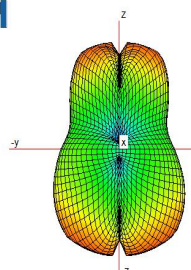
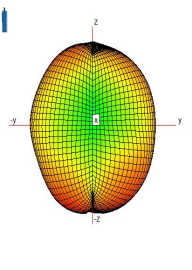
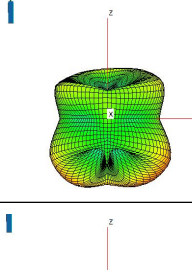
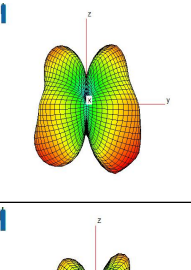
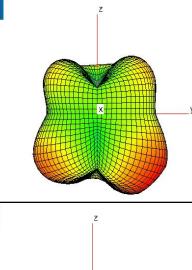
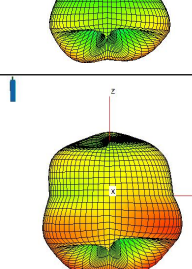
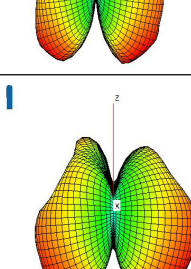
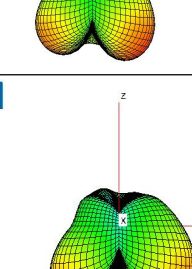
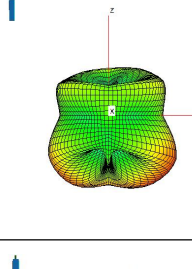
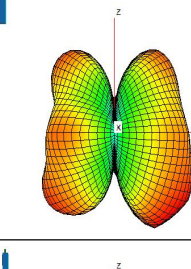
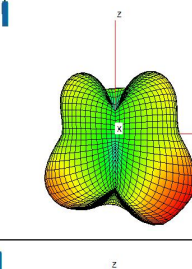
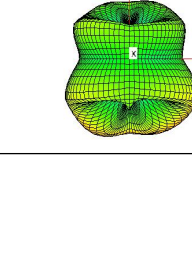
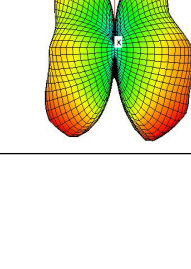
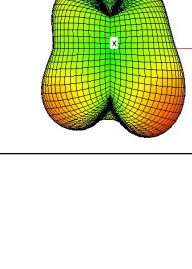
Radiated pattern diagram

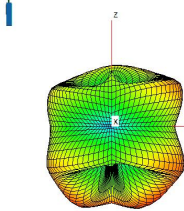
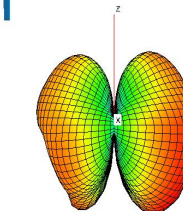
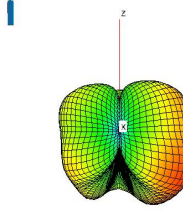
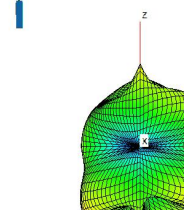
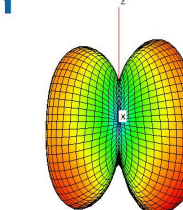
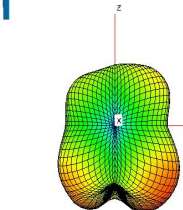
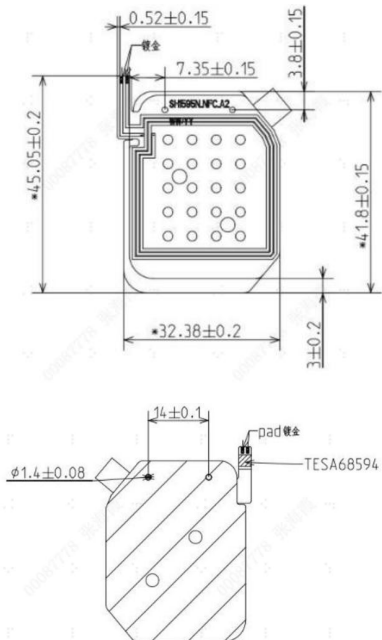
Antenna	PIFA Antenna 1			
Band	Radiated pattern diagram			Gain data (dBi)
	V	H	H+V	
LTEB5/B 18/B19/WB5/WB 6/WB19				-3.5
LTE B8/WB8/n8				-3.7
LTE B28				-3.6
B41//B7/B38				-6.3
LTE B1/N1				-5
LTE B3/N3				-5.6
LTE B40				-6

Antenna 2				
LTE B1/N1				-5
LTE B3/N3				-4.3
LTE B40/N40				-4.6
LTE B7/N7				-5.7
LTE B42/N78/N77				-4.5
Antenna 3				
LTE B5/N5				-5.5
LTE B8/N8				-5.8

LTE B28/N28				-5
Antenna 4				
WIFI 2.4G				-2
WIFI 5G				-1
ANT7				
WIFI 2.4G				-3.9
ANT6				
WIFI 5G				-2
ANT8				
LTE B1/N1				-0.6
LTE B3/N3				-2.7

LTE B34				-0.7
LTE B39				-0.8
LTE B40/N40				-1
LTE B41/B7/B38/N7/N 38/N41				-2.2
LTE B2/N2				-1.3
ANT9				
LTE B42/N77/N78				-0.7
LTE B38/41/N38/N41				-1.6
Antenna 10				

LTE B42/N77/N78				-1.1
ANT12				
LTE B42/N77/N78				-0.5
ANT11				
LTE B1/N1				-2.4
LTE B2/N2				-2.7
LTE B3/N3				-2.1
LTE B34				-2.4
LTE B39				-2.8

LTE B40/N40				-2.2
LTE B7/B38/B41				-4
NFC				Unit: mm