

SPECIFICATION

Antenna Manufacturer Name	Zhejiang Haitong communications electronic Limited by Share Ltd.
Address	1St floor, Phoenix Tower, 15 Science and Technology North First Road, Shenzhen, Guangdong Province.
Test DATE	2025-7-24
DATASHEET REVISION	
Ant. Name	ANT1、ANT2、ANT3、ANT5、ANT6、WIFI
Ant. Type	ANT1、ANT2、ANT3、ANT5: PIFA; ANT6、WIFI: MONOPOLE

Jay

Test Engineer: Jay

Description of Antenna

Antenna Peak Gain:

ANT1 Gain

Band	Average Gain(dBi)	Maximum Gain(dBi)
LTE-FDD B1	-3.01	2.33
LTE-FDD B2	-2.98	2.53
LTE-FDD B3	-2.75	2.53
LTE-FDD B4	-2.2	1.63
LTE-FDD B5	-2.8	3.45
LTE-FDD B12	-3.5	1.69
LTE-FDD B13	-3.1	2.52
LTE-FDD B20	-2.6	3.45
LTE-FDD B28	-3.3	2.52
LTE-FDD B66	-2.2	1.63
NR-FDD B2	-2.98	2.53
NR-FDD B5	-2.8	3.45
NR-FDD B66	-2.2	1.63

ANT2 Gain

Band	Average Gain(dBi)	Maximum Gain(dBi)
LTE-FDD B2	-3	2.39
LTE-FDD B4	-2.6	1.36
LTE-FDD B66	-2.6	1.36
NR-FDD B2	-3	2.39
NR-FDD B66	-2.6	1.36

ANT3 Gain

Band	Average Gain(dBi)	Maximum Gain(dBi)
LTE-FDD B7	-3.5	2.73

ANT5 Gain

Band	Average Gain(dBi)	Maximum Gain(dBi)
LTE-TDD B48	-3.5	1.22
NR-TDD N48	-3.5	1.22
NR-TDD N77	-3.7	0.2
NR-TDD N78	-3.8	1.39
n77 (Part27Q 3450-3550MHz)	-3.5	1.32
n77 (Part27O 3700-3980MHz)	-4.8	0.01
n78 (Part27Q 3450-3550MHz)	-3.5	1.32
n78 (Part27O 3700-3800MHz)	-4.8	0.01

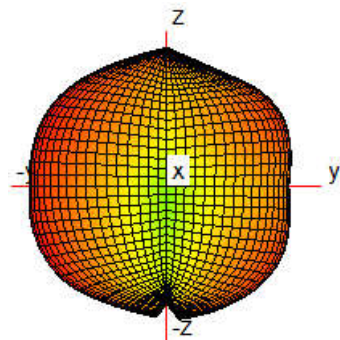
ANT6 Gain

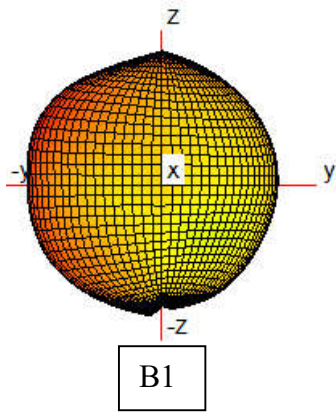
Band	Average Gain(dBi)	Maximum Gain(dBi)
NR-TDD N48	-4.5	0.23
NR-TDD N77	-4.6	-0.16
NR-TDD N78	-4.6	1.36
n77 (Part27Q 3450-3550MHz)	-4.6	0.56
n77 (Part27O 3700-3980MHz)	-4.7	-0.16
n78 (Part27Q 3450-3550MHz)	-4.6	0.56
n78 (Part27O 3700-3800MHz)	-4.7	-0.81

WIFI Gain

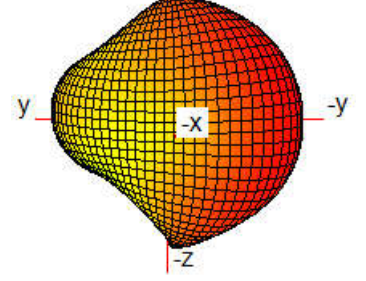
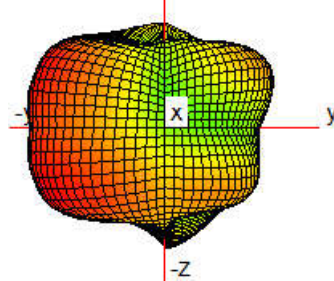
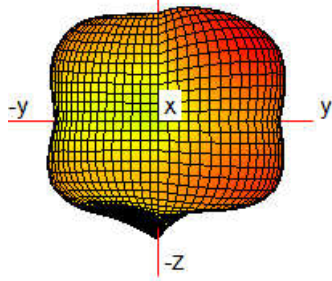
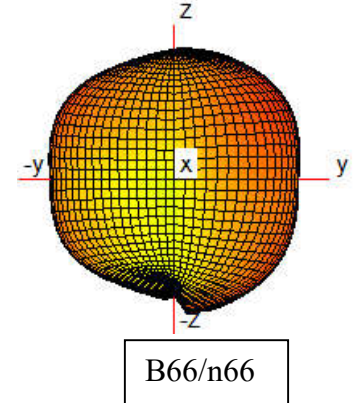
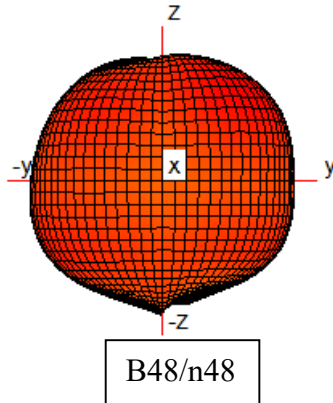
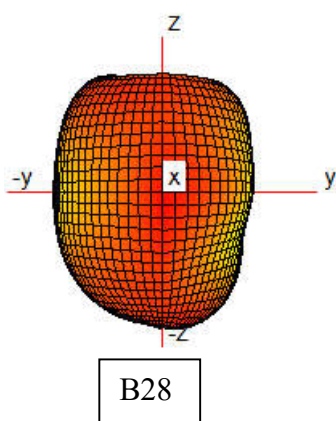
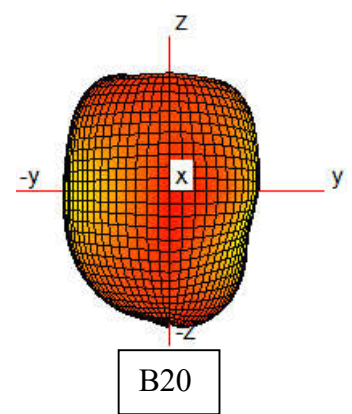
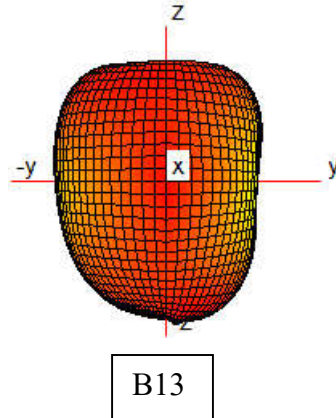
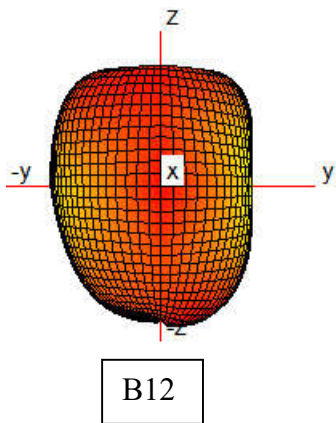
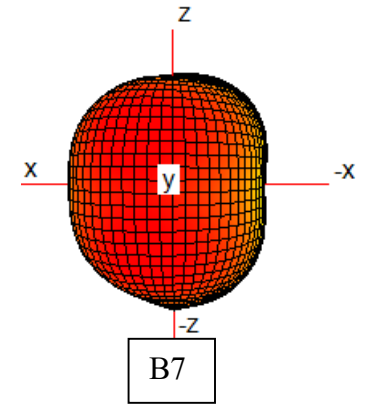
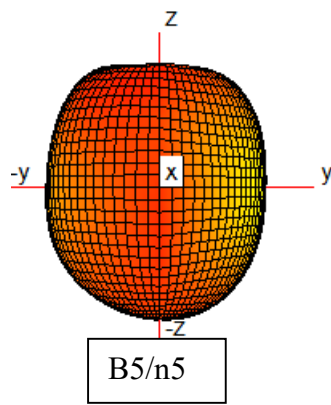
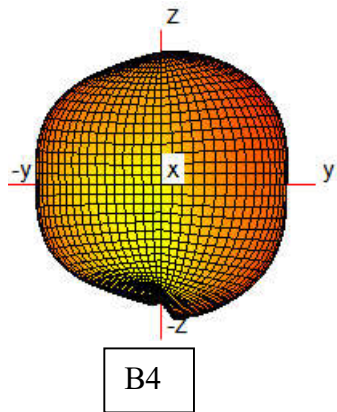
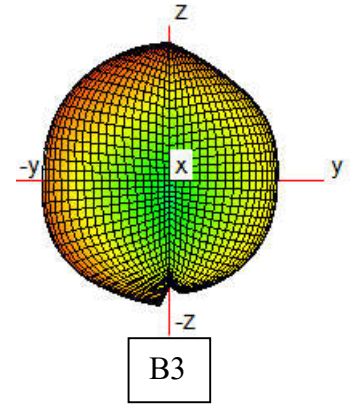
Band	Average Gain(dBi)	Maximum Gain(dBi)
2.4G	-3.9	2.6
5G-UNII-1(5150-5250MHz)	-5.3	-1.42
5G-UNII-3(5720-5850MHz)	-5.05	-0.68

Antenna Pattern:





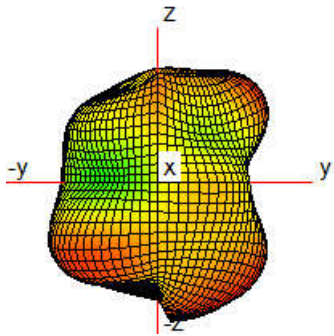
B2/n2



n77

n78

WIFI 2.4G



WIFI 5G

Test Environment, list of calibrated test equipment
Test equipment: E5071C CMW500 E7515B

Test equipment: GTS 2800

Last Calibration date: 2024/10/21

Next Calibration date: 2025/10/20