

Antenna Gain test report

FCC ID : 2ABZ2-AA272

Equipment : Smart Phone

Brand Name : ONEPLUS

Model Name : CPH2389

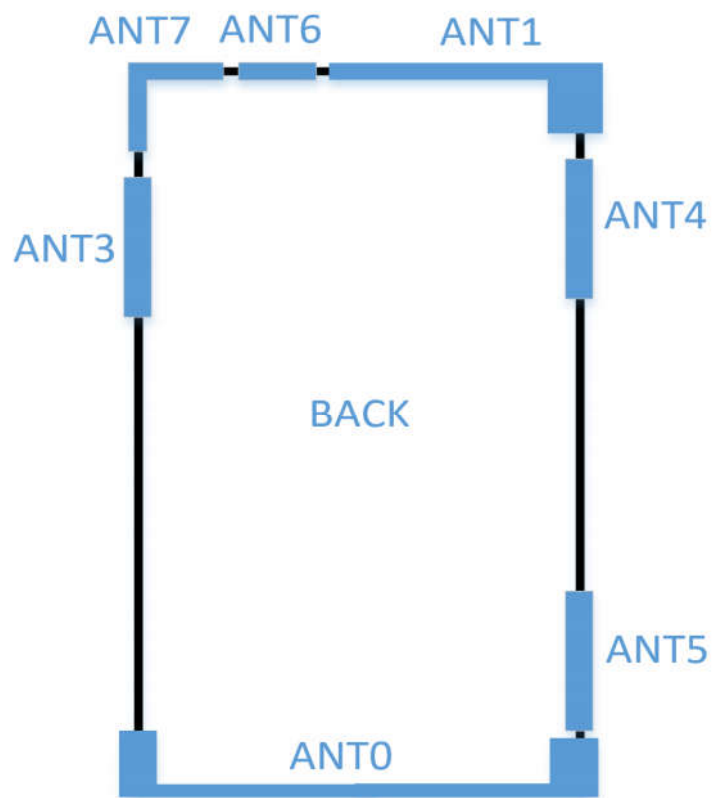
Manufacturer : OnePlus Technology (Shenzhen) Co., Ltd.

18C02, 18C03, 18C04, and 18C05, Shum Yip

Terra Building, Binhe Avenue North, Futian

District, Shenzhen, Guangdong, P.R. China

Issue Date : February 8, 2022

Antenna Location:

Antenna	Support bands
Ant 0	GSM 850,1900<TX/RX> WCDMA B2,4,5<TX/RX>
Ant 1	LTE B2,4,5,7,12,13,17,25,26,66,71,38,41<TX/RX> NR n2,25,66,71,41<TX/RX>
Ant 3	NR n41<RX> NR n77<TX/RX>
Ant 4	LTE B2,25,66,41<TX/RX> NR n2,25,66,41,77 <TX/RX>
Ant 5	NR n77<TX/RX>
Ant 6	NR n77<TX/RX>
Ant 7	WIFI 2.4G<TX/RX> WIFI5G<TX/RX> BT<TX/RX>

Antenna Gain and Antenna Type specification:

Antenna Gain (dBi)		Ant 0	Ant 1	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7	Antenna Type
GSM 850	824 - 849 MHz	-5	-3.5						Fixed Internal
PCS 1900	1850 - 1910 MHz	-3	-4						Fixed Internal
WCDMA band 2	1850 -1910 MHz	-3	-4						Fixed Internal
WCDMA band 4	1710 -1755MHz	-3	-4						Fixed Internal
WCDMA band 5	824 - 849MHz	-5	-3.5						Fixed Internal
LTE band 2	1850 - 1910 MHz	-3	-4		-3				Fixed Internal
LTE band 4	1710 - 1755 MHz	-3	-4						Fixed Internal
LTE band 5	824 - 849 MHz	-5	-3.5						Fixed Internal
LTE band 7	2500 - 2570 MHz	-2	-2.5						Fixed Internal
LTE band 12	699 - 716 MHz	-5	-3.5						Fixed Internal
LTE band 13	777 - 787 MHz	-5	-3.5						Fixed Internal
LTE band 17	704 - 716 MHz	-5	-3.5						Fixed Internal
LTE band 25	1850 - 1915 MHz	-3	-4		-3				Fixed Internal
LTE band 26	814 - 849 MHz	-5	-3.5						Fixed Internal
LTE band 38	2570 - 2620 MHz	-2	-2.5						Fixed Internal
LTE band 41	2496 - 2690 MHz	-2	-2.5		-2				Fixed Internal
LTE band 66	1710 - 1780 MHz	-3	-4		-3				Fixed Internal
LTE band 71	663 - 698 MHz	-5	-3.5						Fixed Internal
n2	1850 - 1910 MHz	-3	-4		-3				Fixed Internal
n25	1850 - 1915 MHz	-3	-4		-3				Fixed Internal
n41	2496 - 2690 MHz	-2	-2.5	-4	-2				Fixed Internal
n66	1710 - 1780 MHz	-3	-4		-3				Fixed Internal
n71	663 - 698 MHz	-5	-3.5						Fixed Internal
n77	3300 - 4200 MHz			-1.5	-2	-3	-1		Fixed Internal
2.4G WiFi	2400~2483.5MHz							1.5	Fixed Internal
5G WiFi	5150-5850MHz							2	Fixed Internal
BT	2400~2483.5MHz							1.5	Fixed Internal

Note: Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document.