

# Antenna Gain test report

FCC ID: R9C-CPH2523

Equipment: Smart Phone

Brand Name: OPPO

Model Name: CPH2523

Manufacturer: Guangdong OPPO Mobile

Telecommunications Corp., Ltd.

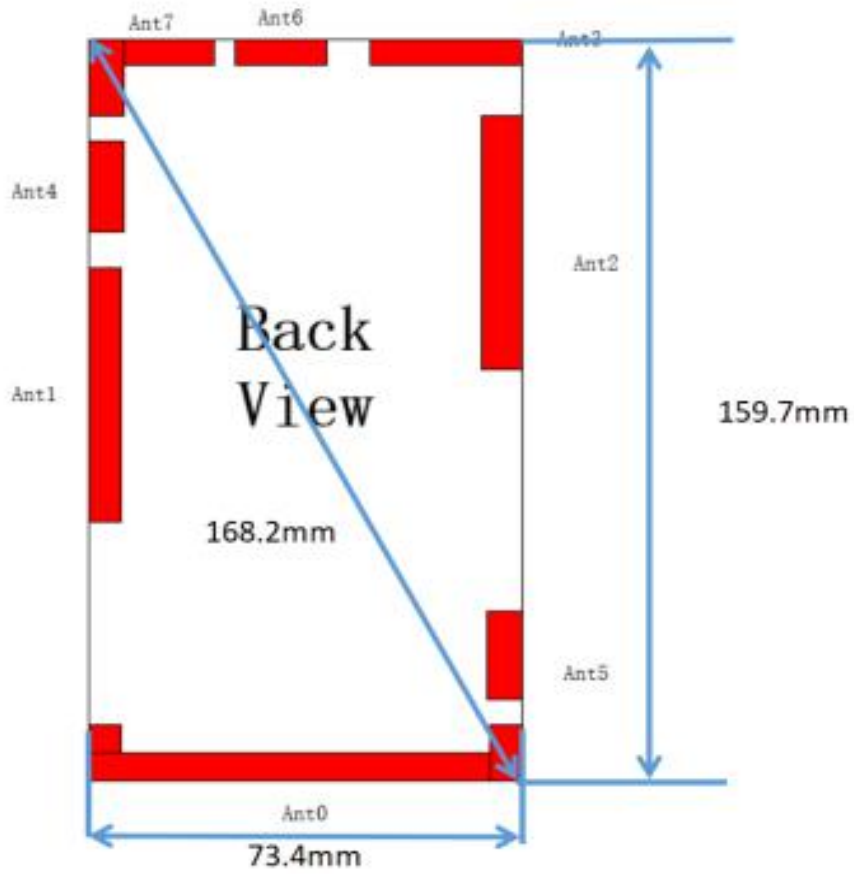
NO.18 Haibin Road, Wusha Village,

Chang'an Town, Dongguan City,

Guangdong, China

Issue Date: Apr 8, 2023

**Antenna Location:**



Antenna	Support band
Ant 0	TRX GSM 850/1900 TRX WCDMA B4/5 TRX LTE B4/5/12/17/26/38/41
Ant 1	TRX GSM 850 TRX WCDMA B5 TRX LTE B5/12/17/26
Ant 2	TRX GSM 1900 TRX WCDMA B4 TRX LTE B4/38/41
Ant 3	TRX LTE B41
Ant 4	RX LTE B41
Ant 7	WIFI2.4G+WIFI5G+BT+GPS_L1

**Antenna Gain and Antenna Type specification:**

Antenna Gain (dBi)			Ant 0	Ant 1	Ant 2	Ant 3	Ant 7
GSM 850	824 - 849 MHz	Support	-4.3	-3.7			
PCS 1900	1850 - 1910 MHz	Support	-4.5		-3.5		
WCDMA band 4	1710 -1755MHz	Support	-4		-3.5		
WCDMA band 5	824 - 849MHz	Support	-4.3	-3.7			
LTE band 4	1710 - 1755 MHz	Support	-4.4		-3.5		
LTE band 5	824 - 849 MHz	Support	-4.3	-3.7			
LTE band 12	699 - 716 MHz	Support	-4.6	-4			
LTE band 17	704 - 716 MHz	Support	-4.6	-4			
LTE band 26	814 - 849 MHz	Support	-4.3	-3.7			
LTE band 38	2570 - 2620 MHz	Support	-4.6		-3.7		
LTE band 41	2496 - 2690 MHz	Support	-4.6		-3.7	-0.8	
BT	2400~2483.5MHz	Support					-3
WIFI2.4G	2400~2483.5MHz	Support					-3
WIFI5G	2400~2483.5MHz	Support					-3

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