

FCC RF EXPOSURE REPORT

FCC ID: QISAP505130DN

Equipment : Wireless LAN Access Point
Model : AP5030DN
Applicant : Huawei Technologies Co.,Ltd
Address : Administration Building, Headquarters of
Huawei Technologies Co., Ltd., Bantian,
Longgang District, Shenzhen, China

According: : FCC Guidelines for Human Exposure IEEE
C95.1

B T L I N C .

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, China.
TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

Table for Filed Antenna:

2.4G

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
A	Nippon	C15N13Z100BB	Integral Antenna	N/A	4.05	TX/RX
B	Nippon	C15N13Z100BB	Integral Antenna	N/A	4.48	TX/RX
C	Nippon	C15N13Z100BB	Integral Antenna	N/A	3.50	TX/RX

5G

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
A	Nippon	C15N13Z100BB	Integral Antenna	N/A	5.25	TX/RX
B	Nippon	C15N13Z100BB	Integral Antenna	N/A	5.47	TX/RX
C	Nippon	C15N13Z100BB	Integral Antenna	N/A	5.23	TX/RX

TEST RESULTS

2.4G

EUT :	Wireless LAN Access Point	Model Name :	AP5030DN
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11-ANT A+B+C		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.48	2.8054	23.59	228.5599	0.12762929	1	Complies
4.48	2.8054	23.47	222.3310	0.12415104	1	Complies
4.48	2.8054	23.78	238.7811	0.13333690	1	Complies

Band 1

EUT :	Wireless LAN Access Point	Model Name :	AP5030DN
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48-ANT A+B+C		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5.47	3.5237	10.65	11.6145	0.00814611	1	Complies
5.47	3.5237	14.60	28.8403	0.02022788	1	Complies
5.47	3.5237	14.75	29.8538	0.02093873	1	Complies

Band 2

EUT :	Wireless LAN Access Point	Model Name :	AP5030DN
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/CH36, CH40, CH48-ANT A+B+C		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5.47	3.5237	14.77	29.9916	0.02103538	1	Complies
5.47	3.5237	15.79	37.9315	0.02660421	1	Complies
5.47	3.5237	9.73	9.3972	0.00659099	1	Complies

Band 3

EUT :	Wireless LAN Access Point	Model Name :	AP5030DN
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/CH100, CH116, CH140-ANT A+B+C		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5.47	3.5237	12.76	18.8799	0.01324190	1	Complies
5.47	3.5237	16.78	47.6431	0.03341569	1	Complies
5.47	3.5237	8.76	7.5162	0.00527170	1	Complies

Band 4

EUT :	Wireless LAN Access Point	Model Name :	AP5030DN
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	Band 4/TX A Mode/CH100, CH116, CH140-ANT A+B+C		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5.47	3.5237	24.00	251.1886	0.17617747	1	Complies
5.47	3.5237	24.03	252.9298	0.17739867	1	Complies
5.47	3.5237	24.04	253.5129	0.17780762	1	Complies

Note: the calculated distance is 20 cm.