

Antenna Report

FCC ID: A4R-G28DR

Product Model: G28DR

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Google LLC

1. Antenna Description

Internal Proprietary Antenna Solution consisting of 2 antennas.

- a. The antennas can all be classified as stamped sheet metal IFAs (inverted-F antennas)
- b. Ant 1: 2.4GHz/5GHz band antenna for BT, 2.4GHz/5GHz WiFi Primary
- c. Ant 2: 2.4GHz/5GHz band antenna for WiFi Diversity

Antenna Type: PIFA

2. Measurement Methodology

The antenna gains are measured in a full 3d anechoic chamber

3. WLAN/BT/ Peak Gain

Frequency (MHz)	Primary Antenna (Ant 2) Peak Gain		Diversity Antenna (Ant 1) Peak Gain	
	Horizontal	Vertical	Horizontal	Vertical
2.4GHz				
2402	2.58	-2.22	1.12	-0.72
2412	2.68	-2.77	0.95	-0.61
2440	2.79	-2.28	0.4	-0.53
2462	2.58	-3.02	0.08	-0.5
2472	2.56	-2.79	0.04	-0.3
5GHz				
5200	2.35	1.71	2.16	3.18
5300	1.02	2.64	2.16	3.09
5600	3.39	4.34	1.58	3.16
5800	3	3.88	1.57	3.25