

Antenna gain information

WIFI 2.4GHz Antenna

Antenna 0: 3.74dBi

Antenna 1: 3.88dBi

WIFI MIMO: 3.81dBi

LTE Built-in Antenna

LTE Band 5: 2.5dBi

LTE Band 41: 2.4dBi

GSM Antenna

PCS1900: 4.5dBi

External Antenna

BAND5: 1.49dBi

BAND41: 4.05dBi

GSM:

PCS1900: 2.31dBi

According to 662911 D01 Multiple Transmitter Output v02r01

all transmit signals are completely uncorrelated,

HH40L2 support ,STBC

Not support CDD/beamforming

Ant1:WIFI Antenna on board gain: 3.88dBi

Ant2: 2.4G WIFI PCB Antenna gain:3.74dBi

STBC:

Directional gain= $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/NANT]$ dBi

$=10 \log[(10^{3.88/10}+10^{3.74/10})/2]$ dBi

≈ 3.81 dBi