

Declaration concerning Antenna Specification

It's hereby declared that the product:

..... **P2020**.....

fulfills the requirement in FCC test relating to the antenna type.

The**P2020**.....confirm to FCC recommendation
with **Internal** antenna type:

(model if applicable)

P2020

built into the housing and has a unique connector

The mounting of the antenna is fixed to the radio module and no other antenna should be used.

1. Radiation Pattern

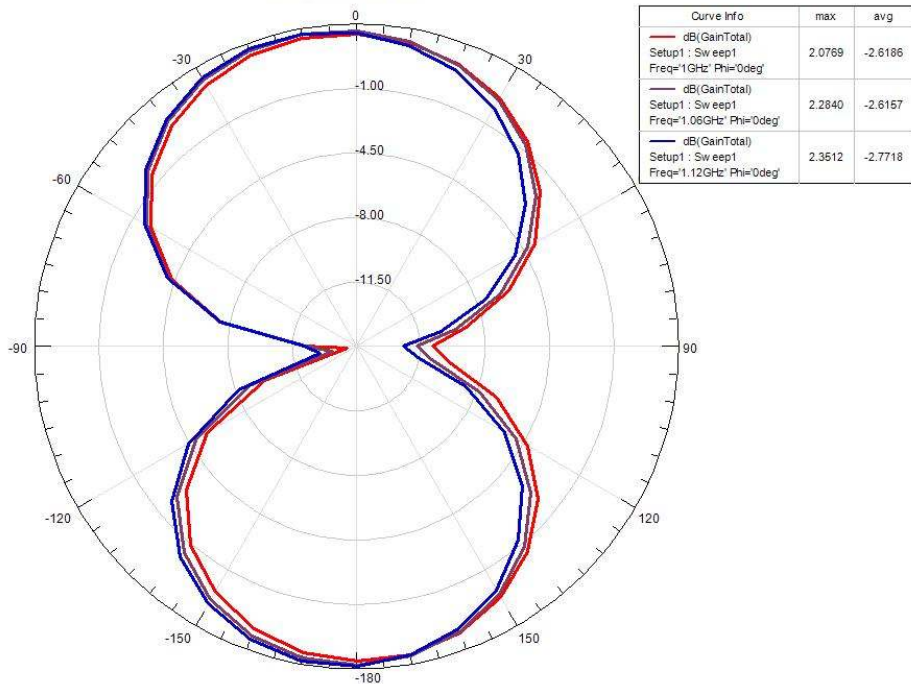
1-1. Low Band

H-Plane

Ansoft Corporation

Radiation Pattern 1

HFSSDesign1





Pantech Co., Ltd.

Pantech Bldg., I-2, DMC, Sangam-dong, Mapo-gu, Seoul, Korea
 Tel.: +82-2-2030-1200 Fax: +82-2-2030-2519

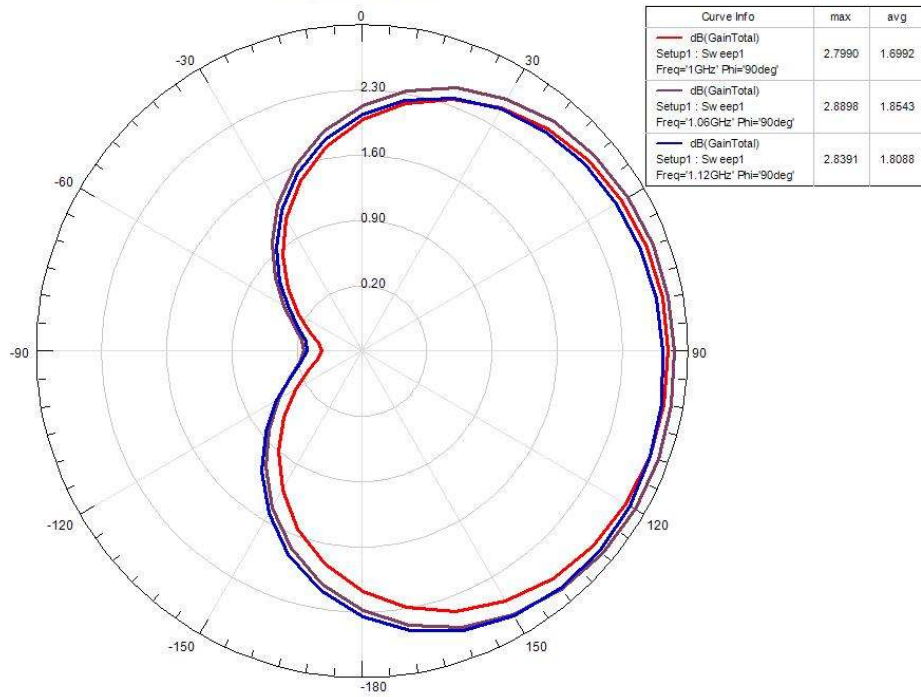
Frequency	Peak Gain	Avg. Gain
1GHz	2.07 dB	-2.61 dB
1.06GHz	2.28 dB	-2.61 dB
1.12GHz	2.35 dB	-2.77 dB

E-Plane

Ansoft Corporation

Radiation Pattern 2

HFSSDesign1



Frequency	Peak Gain	Avg. Gain
1GHz	2.79 dB	1.69 dB
1.06GHz	2.88 dB	1.85 dB
1.12GHz	2.83 dB	1.80 dB

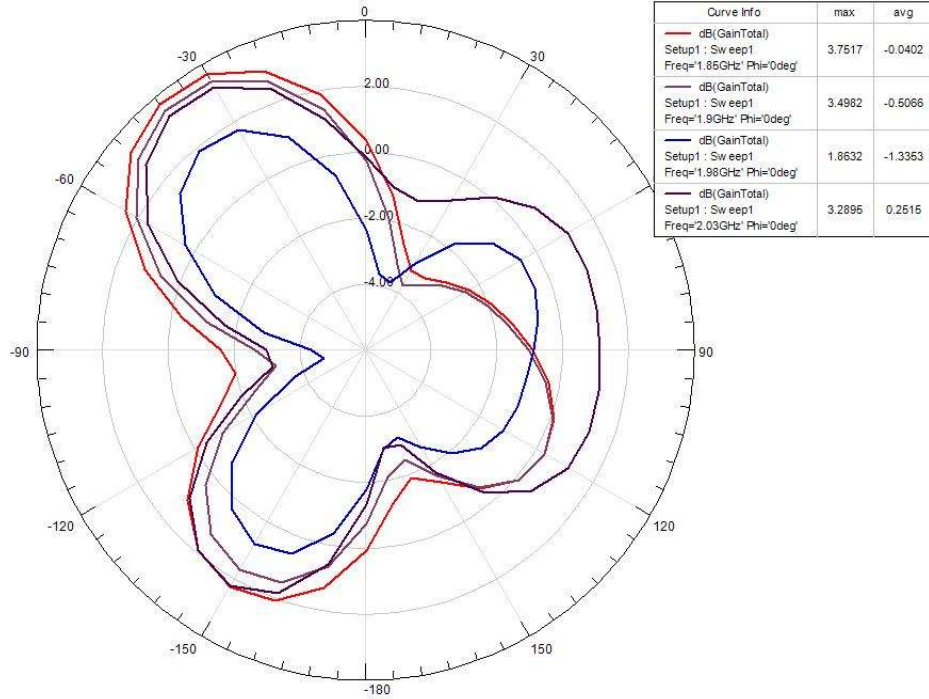
1-2. High Band

H-Plane

Ansoft Corporation

Radiation Pattern 3

HFSSDesign1



Frequency	Peak Gain	Avg. Gain
1.85GHz	3.75 dB	-0.04 dB
1.90GHz	3.49 dB	-0.50 dB
1.98GHz	1.86 dB	-1.33 dB
2.03GHz	3.28 dB	0.25 dB



Pantech Co., Ltd.

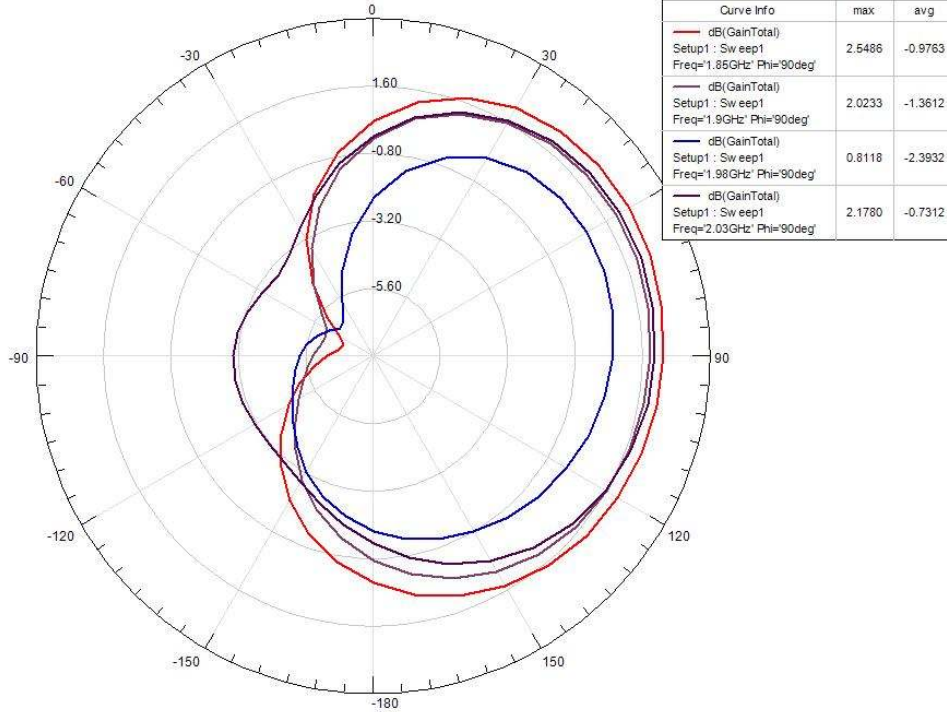
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E-Plane

Ansoft Corporation

Radiation Pattern 4

HFSSDesign1



Frequency	Peak Gain	Avg. Gain
1.85GHz	2.54 dB	-0.97 dB
1.90GHz	2.02 dB	-1.36 dB
1.98GHz	0.81 dB	-2.39 dB
2.03GHz	2.17 dB	-0.73 dB

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 Address: Pantech Bldg., I-2, DMC, Sangam-dong, Mapo-gu
 City: Seoul
 ZIP / Postal code: 150-711
 Country: Korea
 Place: KOREA

Date: Feb., 19, 2010

Signature: 