

ATB7214

PCB Antenna 5dBi 2.4GHz/5GHz/6GHz

Technical Specifications

System Information

Electrical Properties

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Antenna Material

Antenna Dimension

Antenna Gain

Antenna 2.4G 3D Gain pattern

Antenna 5G 3D Gain pattern

Antenna 6G 3D Gain pattern

System Information

Model Name: ATB7214

Description: tri-band 2.4GHz/5GHz/6GHz PCB 5dBi antenna

Electrical Properties

Frequency:

2.4GHz ~ 2.5GHz

5.15GHz ~ 5.85GHz

5.925GHz ~ 7.125GHz

Impedance: 50Ω

V.S.W.R.:

2.4GHz ~ 2.5GHz ≤ 2.0

5.15GHz ~ 5.85GHz ≤ 2.5

5.925GHz ~ 7.125GHz ≤ 2.5

Connector Type

SMA Male RP

Recommended Operating Conditions

Operating Temperature Range: -20° ~ 60°C

Storage Temperature Range: -40° ~ 80°C

Antenna Gain

L - Antenna

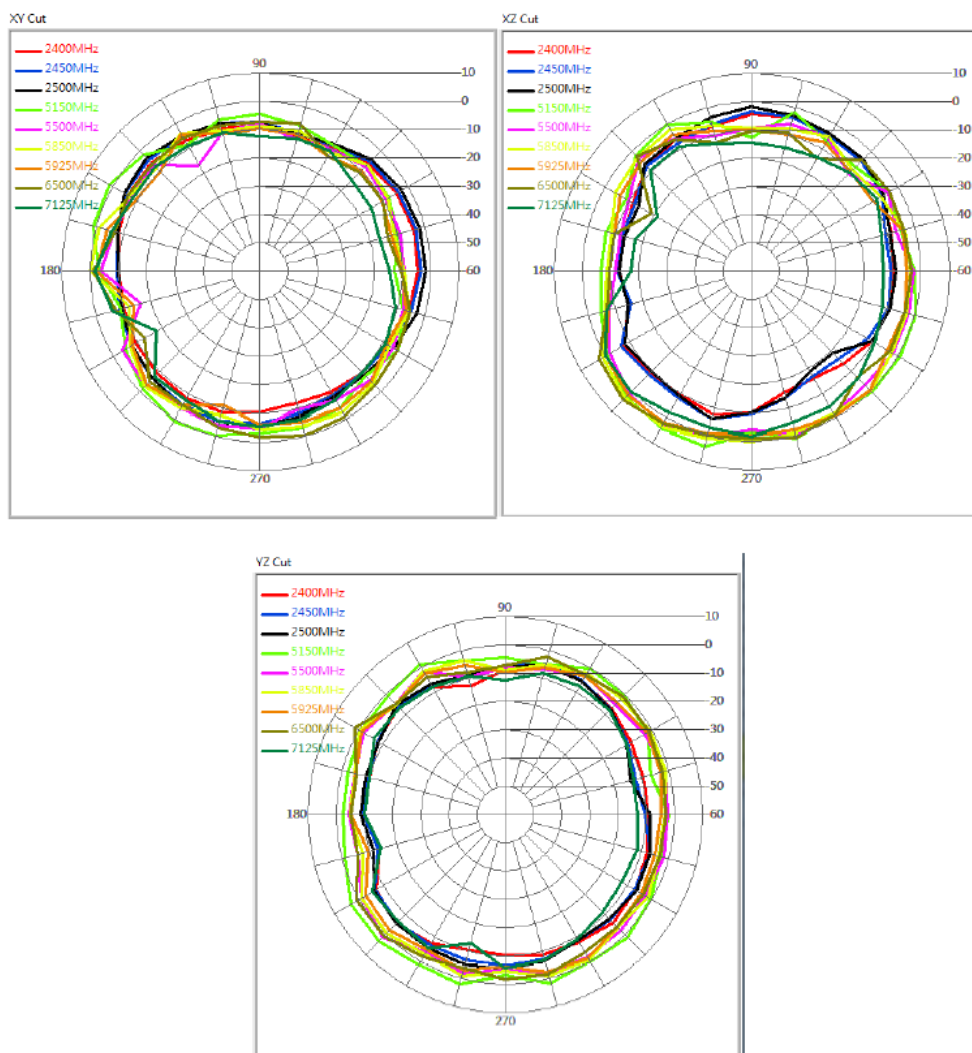
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	2.57	46.68
2450	2.57	46.65
2500	2.57	44.08
5150	4.92	59.98
5500	4.92	63.21
5850	4.92	51.47
5895	4.92	53.85
6125	5.75	56.86
6750	5.75	63.88
7125	5.36	42.28

R - Antenna

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	2.55	45.58
2450	2.53	47.05
2500	2.51	47.12
5150	4.82	57.34
5500	4.63	54.31
5850	4.51	55.29
5895	4.51	54.37
6125	5.57	49.86
6750	5.32	58.39
7125	5.55	51.63

Antenna 2D Radiation Pattern

L - Antenna



R - Antenna

