



PC-400i

Antenna Report

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1. Introduction

The present Antenna Report applies to:

- Product ID: **PC-400i-35**
- FCC ID: **ROR2001**

The BLINQ PC-400i-35 product supports the following wireless technologies:

- 5G Access

2. Antenna Report – 5G Access technology

Antenna Patch Designed by:

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 Canada

Mechanical Design by:

BLINQ Networks
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 Markham, ON L3R 6B3
 Canada

The PC-400i-35 is using a BLINQ – CCI proprietary 5G Access Antenna design.

The design is based on:

- Dual Polarized H Band Antenna patch
- Per Product, 4 x Dual Polarized Antenna patches are mechanically distributed to ensure a 360 deg azimuth coverage.

TABLE 1 5G TECHNOLOGY – H ANTENNA PATCH CHARACTERISTICS

H band patch Antenna by CCAI	
Frequency	3300-4200MHz
Gain Peak (dBi)	8
Gain Average (dBi)	7.4
AZ BW(5dB)	95
EL BW(5dB)	76
EDT(°)	0
FBR @ 180 deg(dB)	20
XPD (At Peak)(dB)	26.8
Isolation(dB)	>25
VSWR	<1.5:1
Input Power(W)	50
Polarization	Dual Linear 45°
Input Impedance	50 Ohms
Lightning Protection	Through the overall mechanical product design

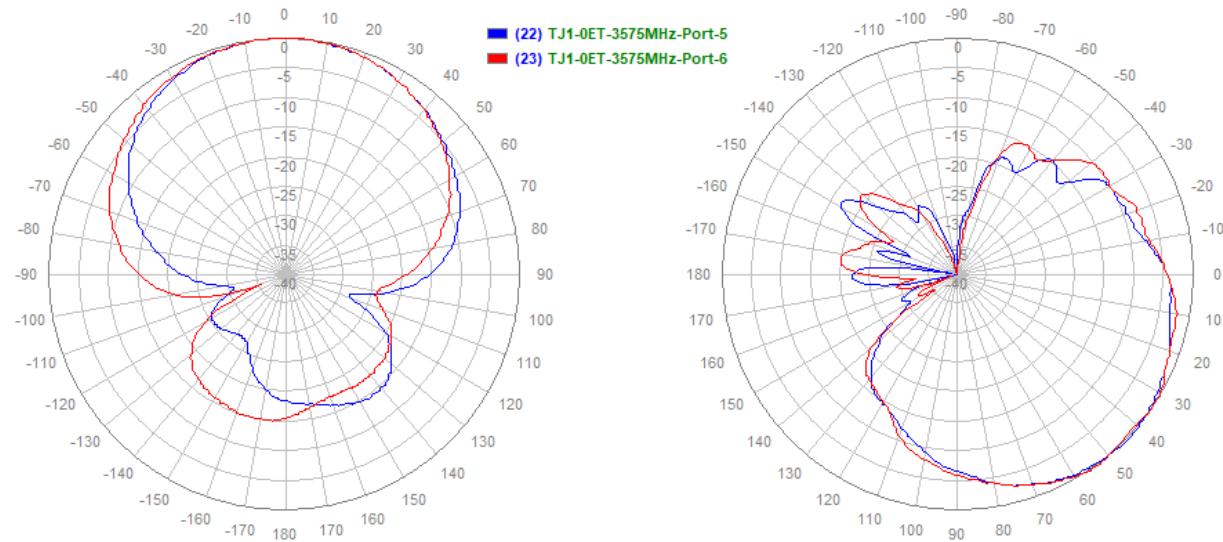


FIGURE 1 5G TECHNOLOGY - H ANTENNA PATCH RADIATION PATTERN