

TBQC4100OV1

ANT_2

Antenna Product Specification

Rev 1.0

April, 2023

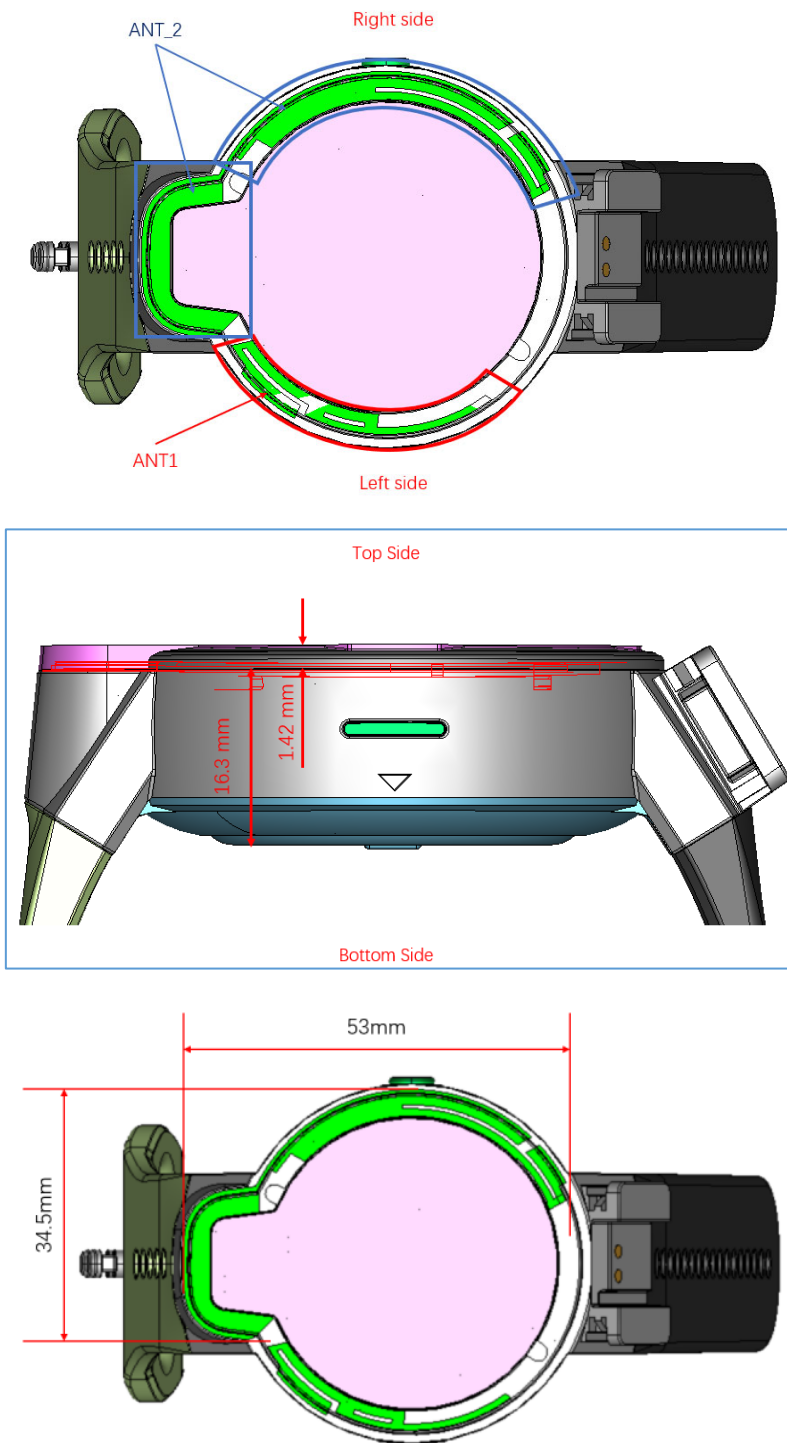
Antenna Part No :
60011000013



CONTENTS

- 1. Antenna Location Drawing**
- 2. GENERAL SPECIFICATION**
- 3. ANTENNA PERFORMANCE**

1.0 Antenna Location

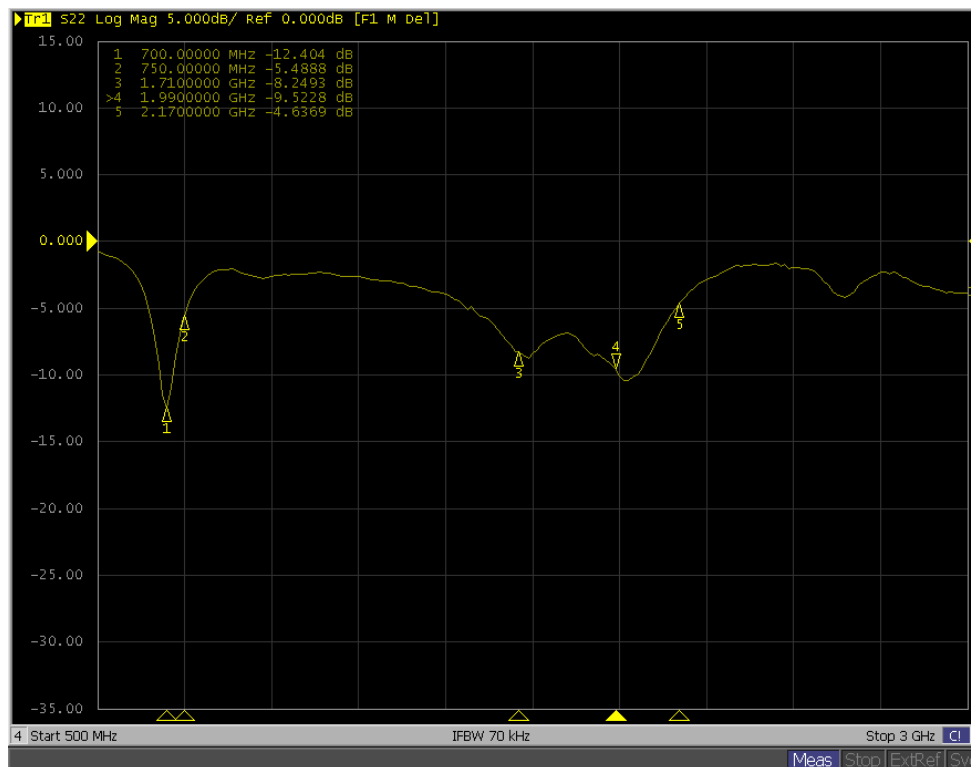


2.0 General Specification

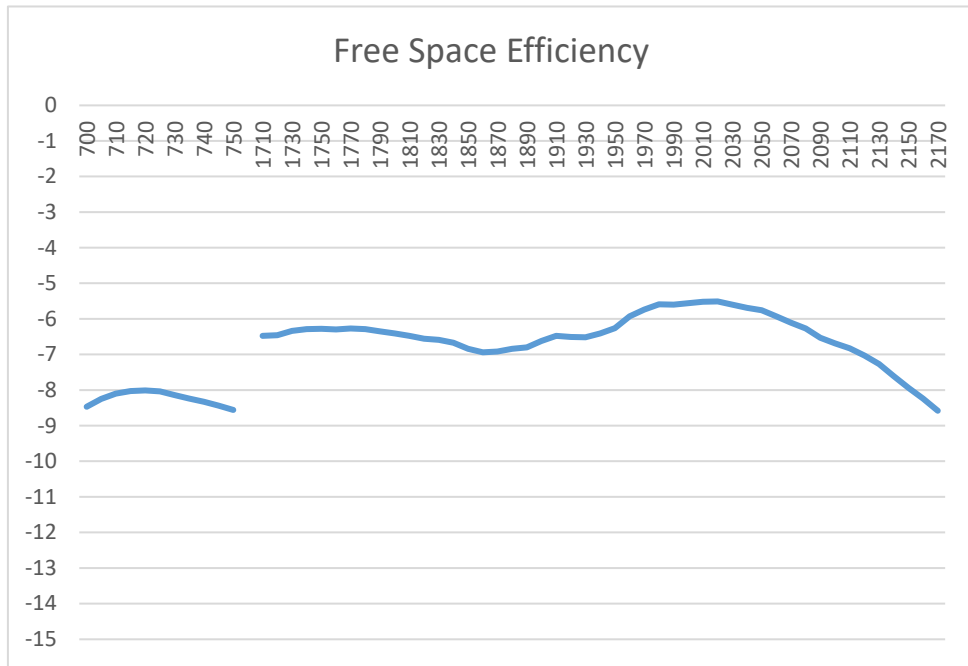
Product name	TBQC4100OV1 ANT_2			
Part number	600110000013			
Frequency	700~750 MHz	1710~1850 MHz	1850~1990 MHz	1990-2170 MHz
Max Antenna Gain (dBi)	-5.61	-3.16	-1.91	-1.35
Polarization	Linear			
Operating with matching	-40°C to 80°C			
Storage with matching	-40°C to 80°C			
RF Power	10.0 Watts			
Impedance with matching	50 Ohms			
Antenna type	PIFA			
Antenna Size (mm)	53 x 34.5			
Manufacturer	WelleTronics			

3.0 Antenna Performance

3.1 Return Loss

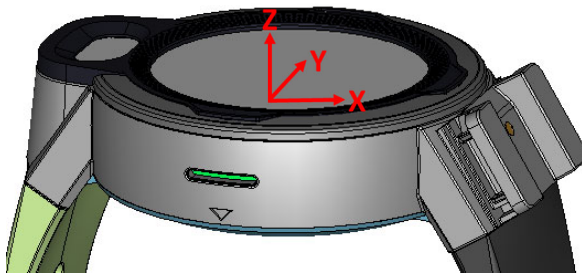


3.2 Antenna Performance

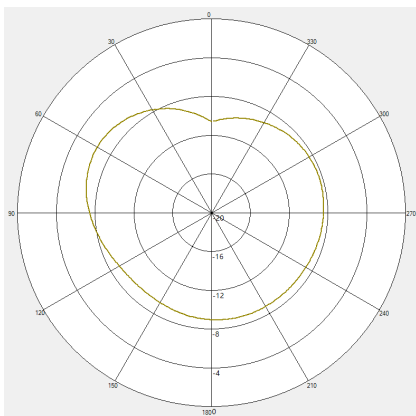


3.3 2D Radiation Pattern

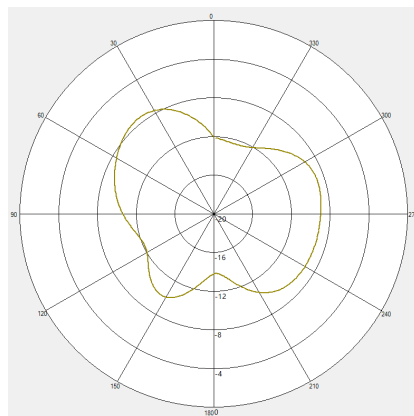
Test condition:



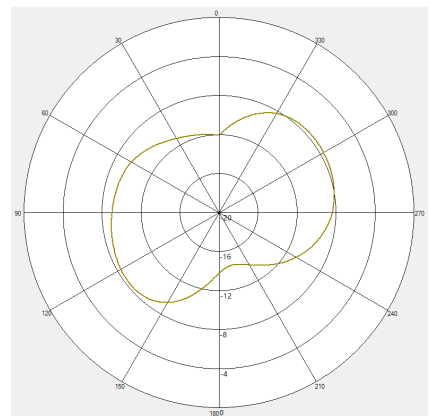
720MHz



X-Y

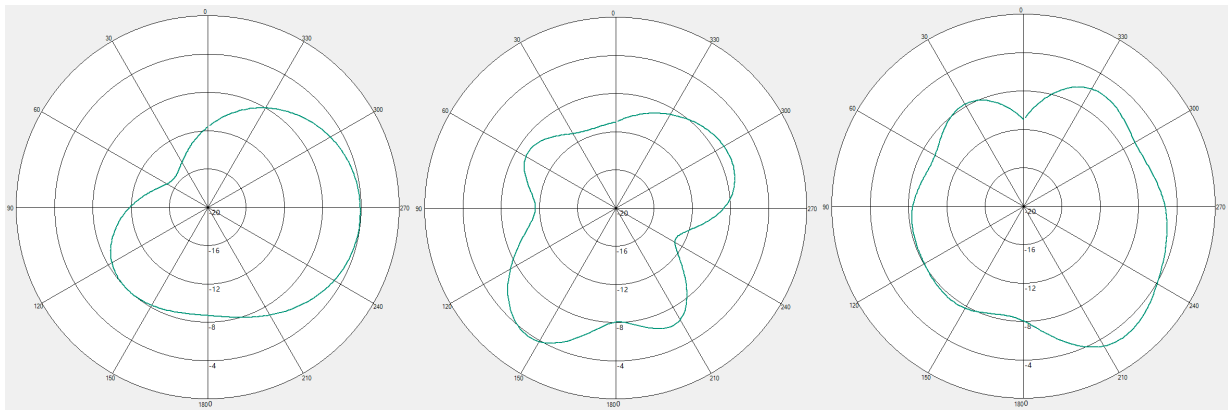


X-Z



Y-Z

1730MHz

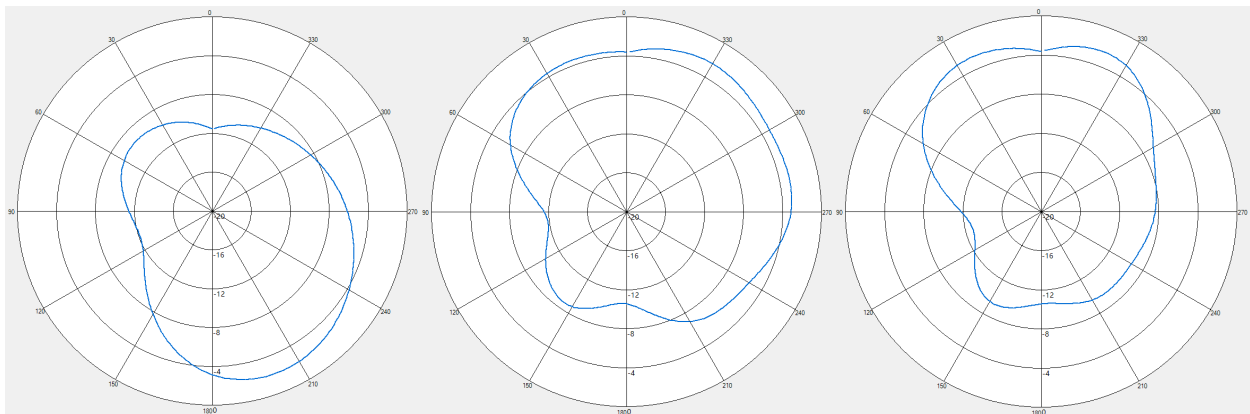


X-Y

X-Z

Y-Z

1910MHz



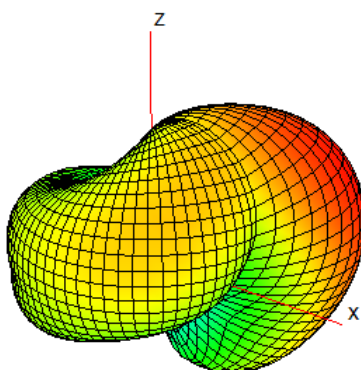
X-Y

X-Z

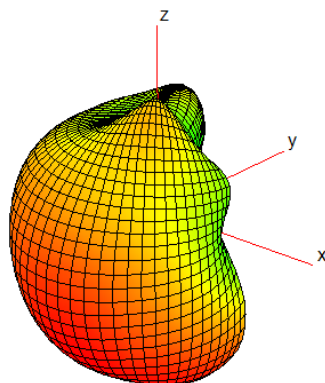
Y-Z

3.4 3D Radiation Pattern

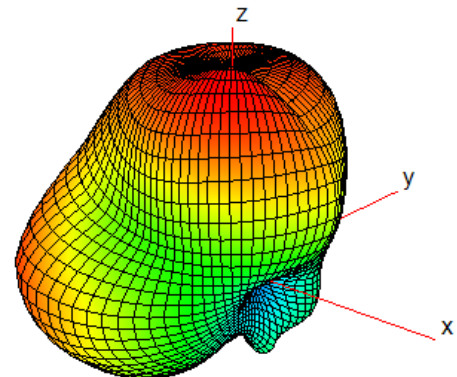
720 MHz



1730MHz



1910MHz





Thundercomm

Empowering Every IoT Device with Our Technology

6540 Lusk Blvd. Suite C166 San Diego CA 92121

service@thundercomm.com

+86-10-62662686

www.thundercomm.com

Copyright Thundercomm Technology Co., Ltd. 2019 All right reserved