

IY1 Antenna Report



Quanta
Product Design Center

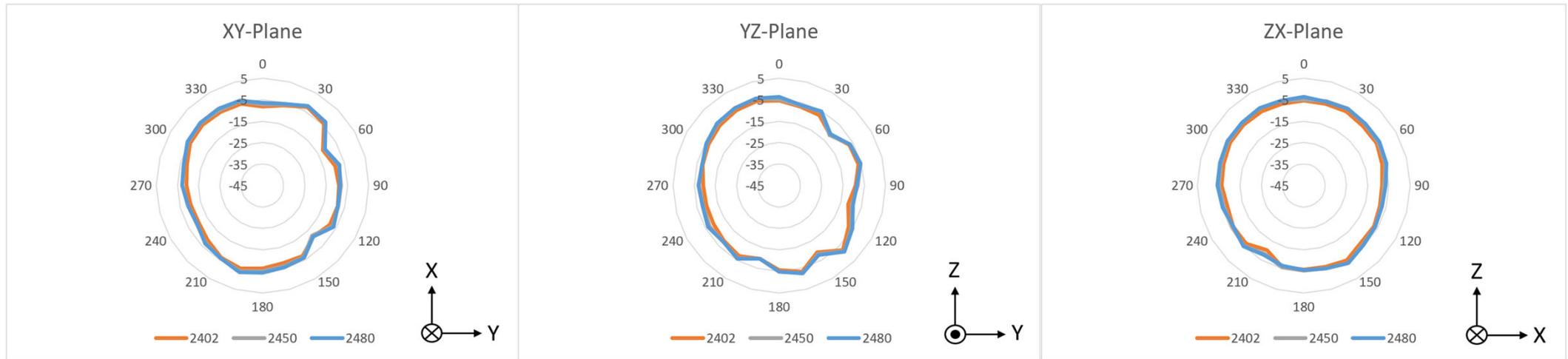
Antenna Spec

Antenna	Brand	Model	Antenna peak Gain (dBi)	Frequency range	Antenna Type
BLE	Quanta	DA0IY1MB4C0	-1.55	2402~2480MHz	Slot Antenna



BLE Antenna Radiation Pattern

2400-2500 MHz radiation characteristic



Center Frequency	2402 MHz	2442 MHz	2480 MHz
Horizontal (dBi) peak	-3	-2.01	-1.82
Vertical (dBi) peak	-9.18	-7.82	-7.85
Total (dBi) peak	-2.6	-1.66	-1.55

Test Information

Item	Description
Model Name	IY1
Test condition	Passive Measurement
Test Engineer	Ryan Chen
Company	Quanta Computer Inc.
Company Address	NO.188, Wenhua 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C.)
Test Environment	ETS-Lindgren AMS-8923 Antenna Measurement System
Test Software	ETS-Lindgren EMQuest Data Acquisition and Analysis Software
Test Date	Jun. 9 2025 ~ Jun. 13 2025



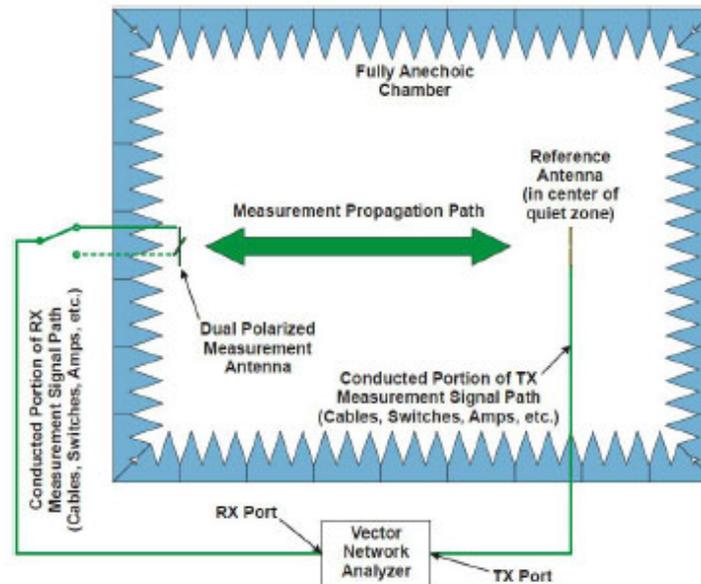
Test setup and Procedure

1. Fix the DUT on the dielectric support structure and connect the feeding cable to the antenna used for test.
2. Set measurement parameters such as frequency range and sample angle.
3. Perform test and then get far-field data. (radiation pattern, gain, efficiency)
4. Repeat test procedure for other antenna.



Test equipment & Calibration

Network analyzer and reference antennas are used for calibration. Path loss and cable loss for different frequency bands can be checked and calculated.



Equipment Description	Manufacture	Model No.	Calibrated Date	Calibrated Until
Network Analyzer	Agilent	E5080B	2024/07/04	2025/07/04
Field Monitor	ETS-Lindgren	EMCenter	N/A	N/A

