Specification of Antenna

1. Information

Antenna Type: PIFA

Antenna name: ANT1, ANT2

Antenna number: ANTS2M2-CSG05

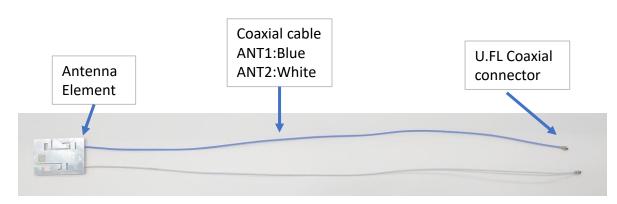
Antenna Gain: ANT1 2400-2500 MHz 4.0dBi max

5150-5850 MHz 6.4dBi max

ANT2 2400-2500 MHz 4.5dBi max

Outline:





Measurement Location: Sony Interactive Entertainment Inc. Anechoic Chamber

1-7-1 Konan Minato-ku Tokyo Japan

Measurement date : 2023/2

Test personnel Sony Interactive Entertainment team members

(Their identities are considered confidential)

Equipment: ETS-L Antenna Measurement System

Keysight E5071C(Calibration date: 2022/11)

• Measurement Software: EMQuest Data Acquisition and Analysis Software

2. Test Method

Antenna gain is measured in "ETS-L Antenna Measurement anechoic chamber".

This system consists of Dual-polarized antennas arranged in a ring and RF path switch control box. Network analyzer E5071C is connected to this chamber.

DUT is put on a turn table located in center of the chamber as pictured below.

Characteristics of the horizontal and vertical polarization are acquired in all direction by switching antennas and rotation of the turn table.

Dual-polarized antennas in a ring

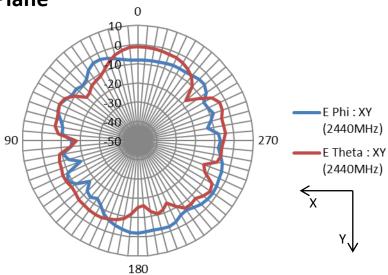
DuT

Turn table

3. Radiation Pattern

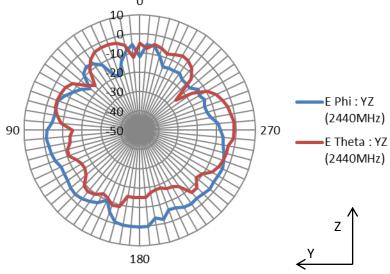
ANT1

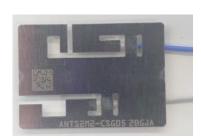




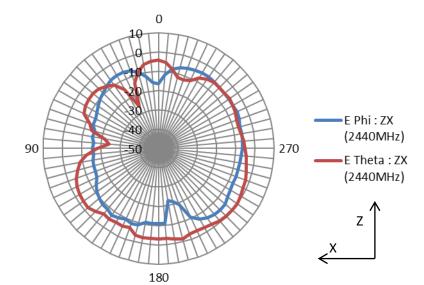




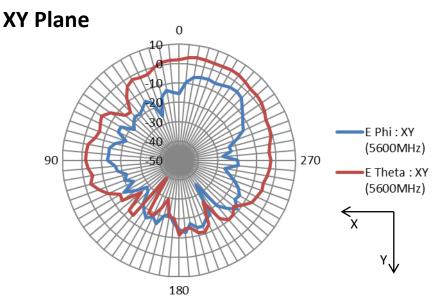




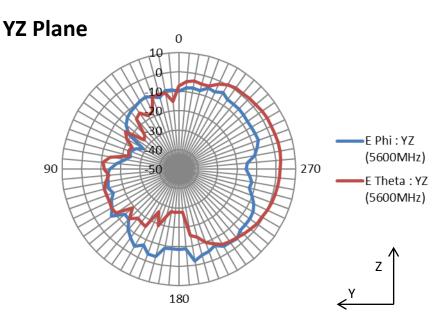
ZX Plane



ANT1

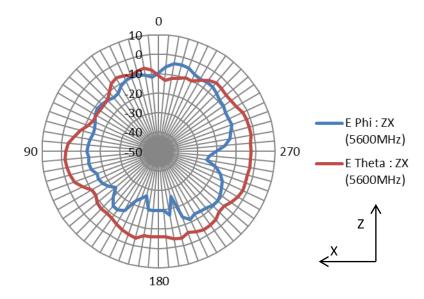






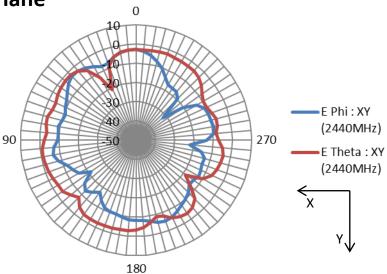


ZX Plane



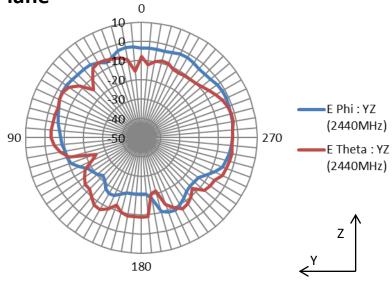
ANT2













ZX Plane

