

**Additional information regarding RF exposure of AIBO wireless LAN card,
ERA-201D1**

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FCCID: AK8ERA-201D1

AIBO WIRELESS LAN CARD

Transmitting conditions of AIBO robot

A duty cycle of a wireless LAN card in the AIBO robot is not constant depending on application software. Transmitting time is long in case of much data to be transmitted, but if there is no data to be transmitted, the transmission discontinues. In addition continuous transmission for a long time is not available because of overhead of the software. Usually, when any changes of robot status or a change of sensor information are produced, the robot initiates to transmit them and at the completion the transmission is intermitted.

Transmitting DATA:

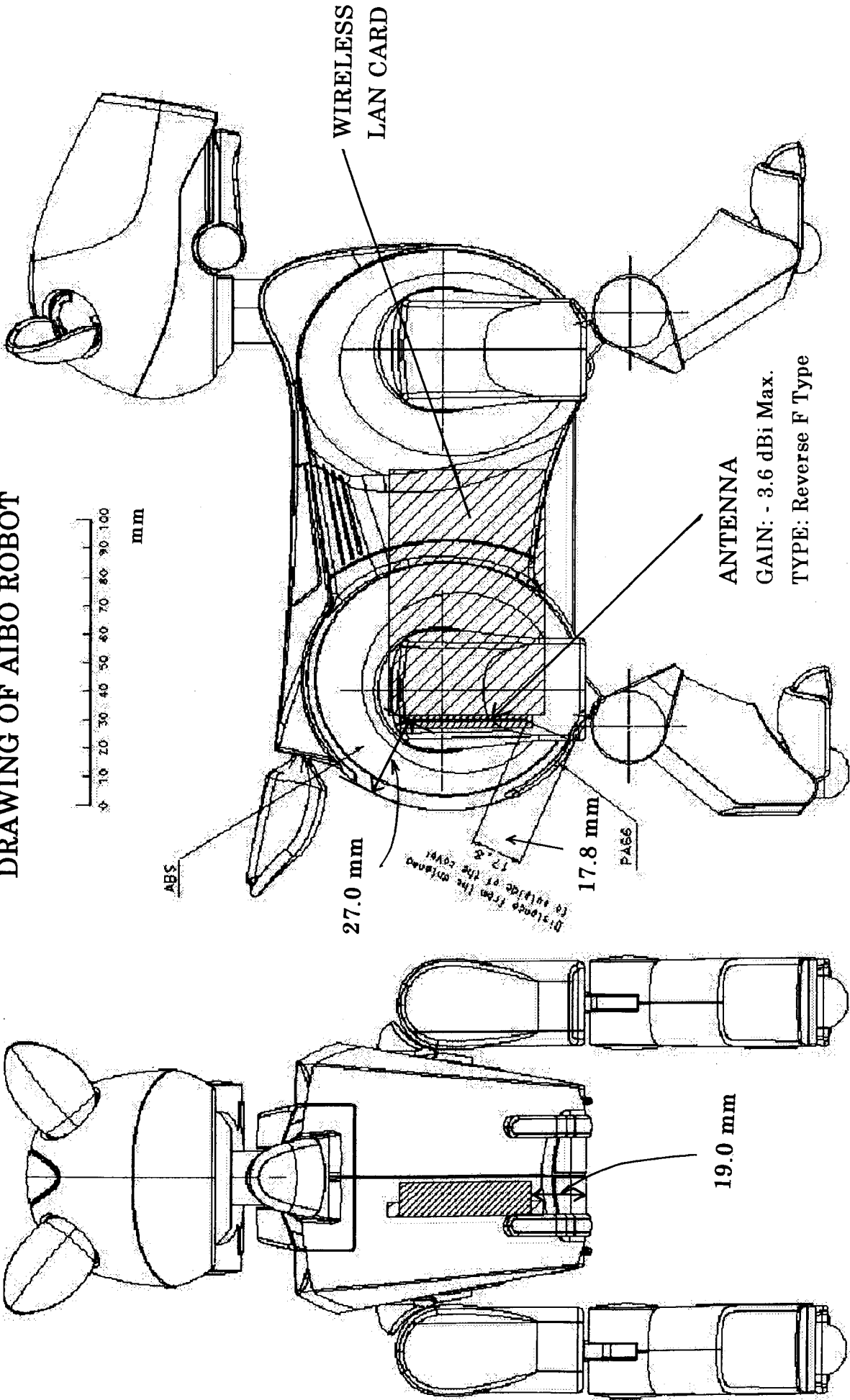
1. Status and conditions of robot
2. Information which robot monitors by sensors

Transmitting duty cycle:

Maximum : 30 percents

Average : less than 20 percents

DRAWING OF AIBO ROBOT



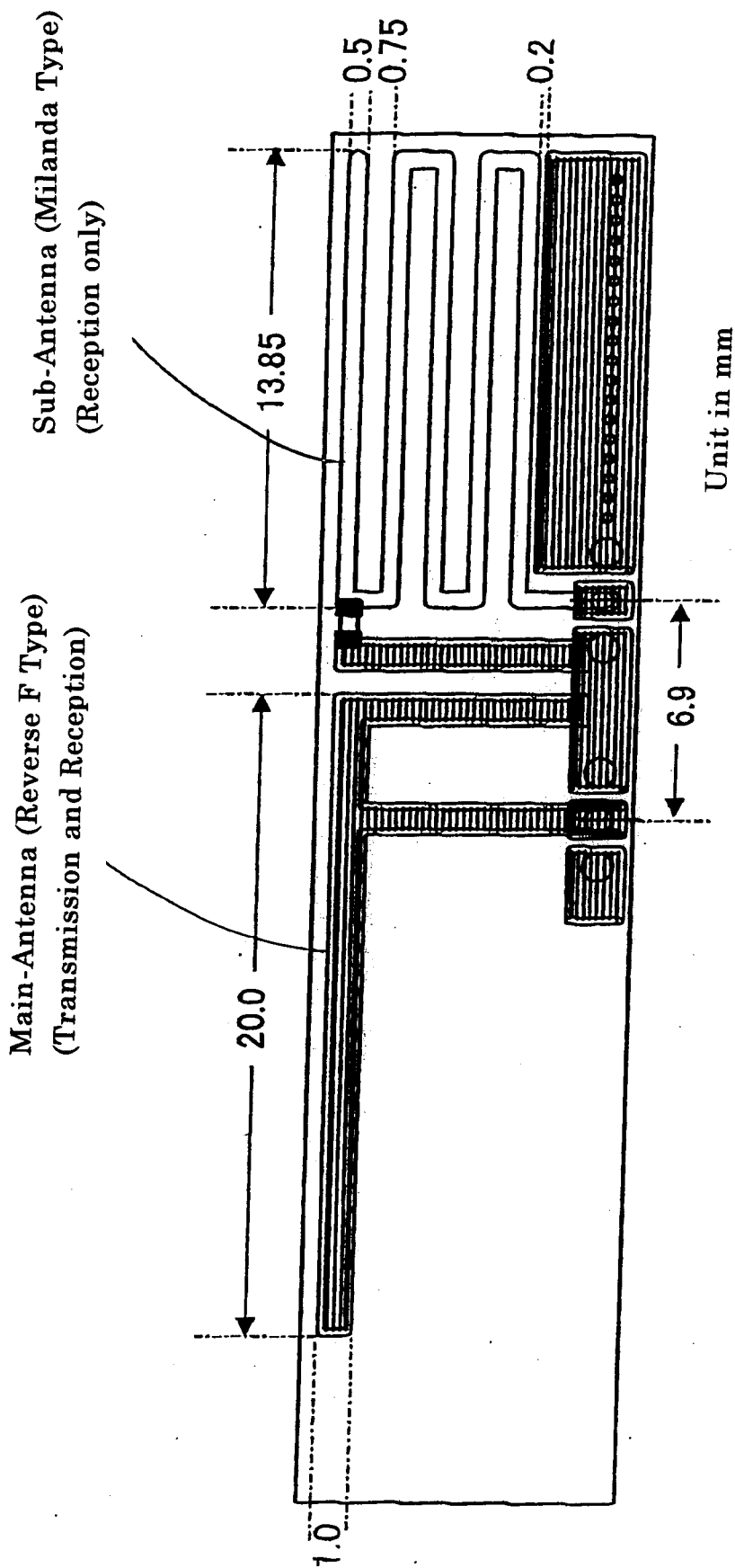
ANTENNA INFORMATION OF SONY WIRELESS LAN CARD, ERA201D1

Attached sheets show the information of the integral antenna used in the wireless LAN card, ERA201D1.

Summary of antenna

Type:	Reverse F-Type
Max. Gain:	- 3.6 dBi (horizontal polarity)
Configuration:	Printed pattern antenna

PATTERN OF PRINTED ANTENNA



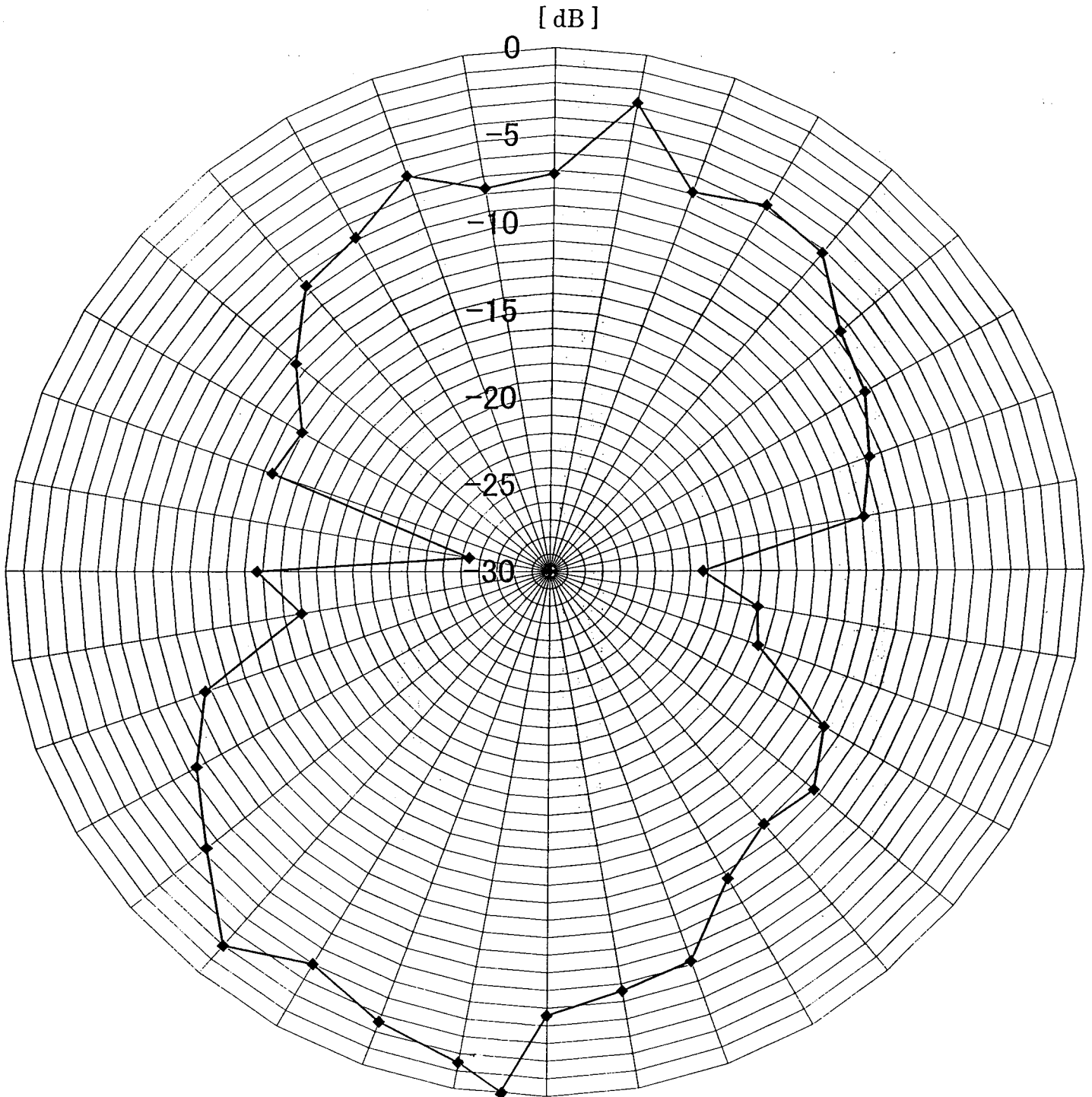
☆ Transmission: Main Antenna

☆ Reception: Diversity Reception using both main and sub antennas.

空中線指向性特性 (水平偏波)

ANTENNA DIRECTIVITY : Horizontal Polarity

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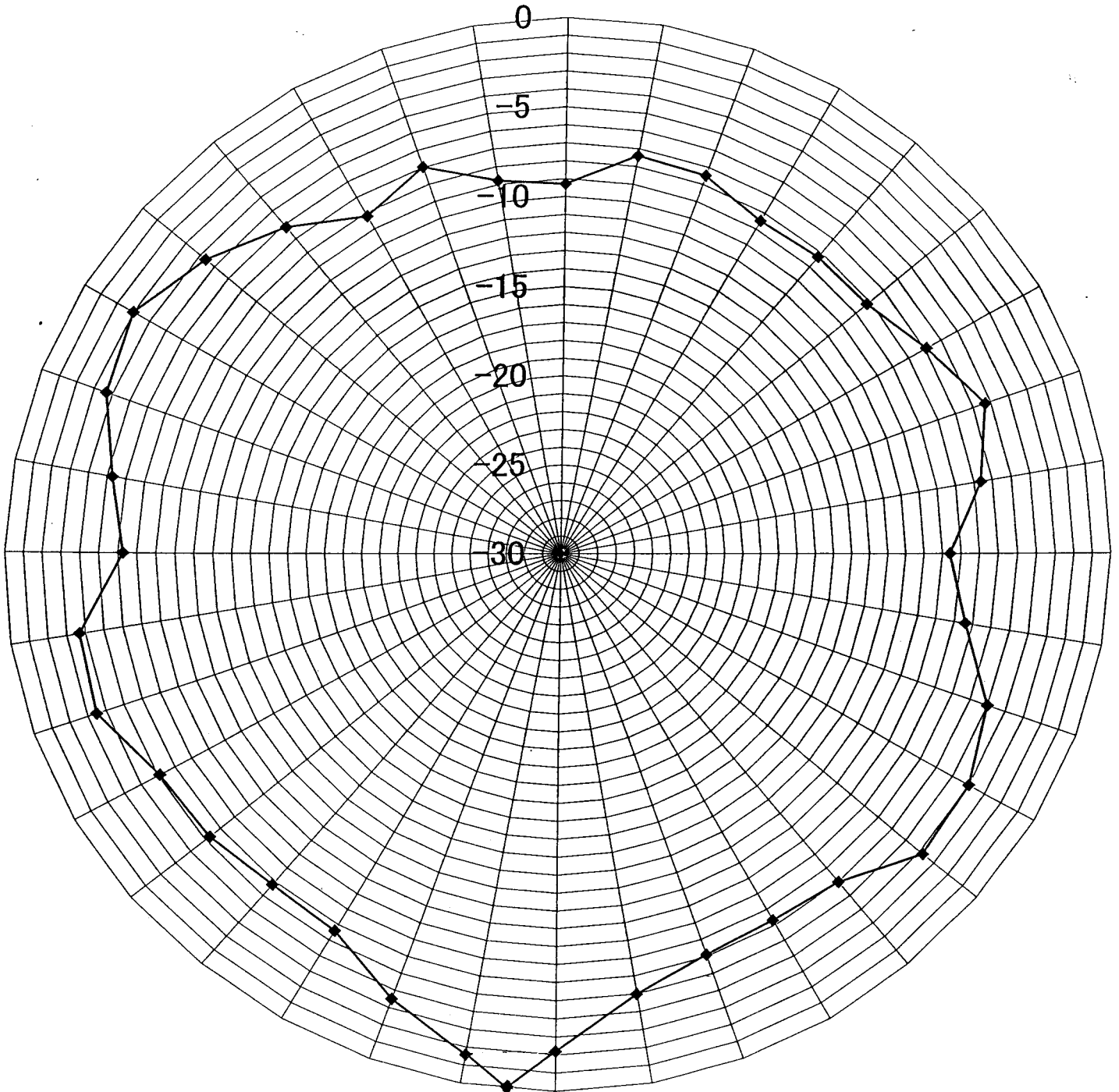


Maximum Antenna Gain : - 3.6 dBi

Average Antenna Gain : - 10.0 dBi

空中線指向性特性 (垂直偏波)

ANTENNA DIRECTIVITY : Vertical Polarity



Maximum Antenna Gain : - 12.4 dBi

Average Antenna Gain : - 15.8 dBi