



Wistron NeWeb Corp.

ANTENNA DATASHEET

Customer Name: **Yamaha**

Date:

OEM P/N	TBD
WNC P/N	TBD
Description	Antenna for YSB2022
Version	Temporary Version

Provided By Wistron NeWeb Corp	Reviewed By Wistron NeWeb Corp	Approved By Customer
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Wistron NeWeb Corp.

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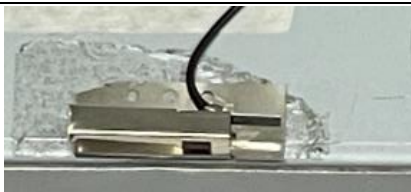
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Revision History

Date	Version	Change Description
	Temporary	

1. Product Specification



A. Electrical Characteristics

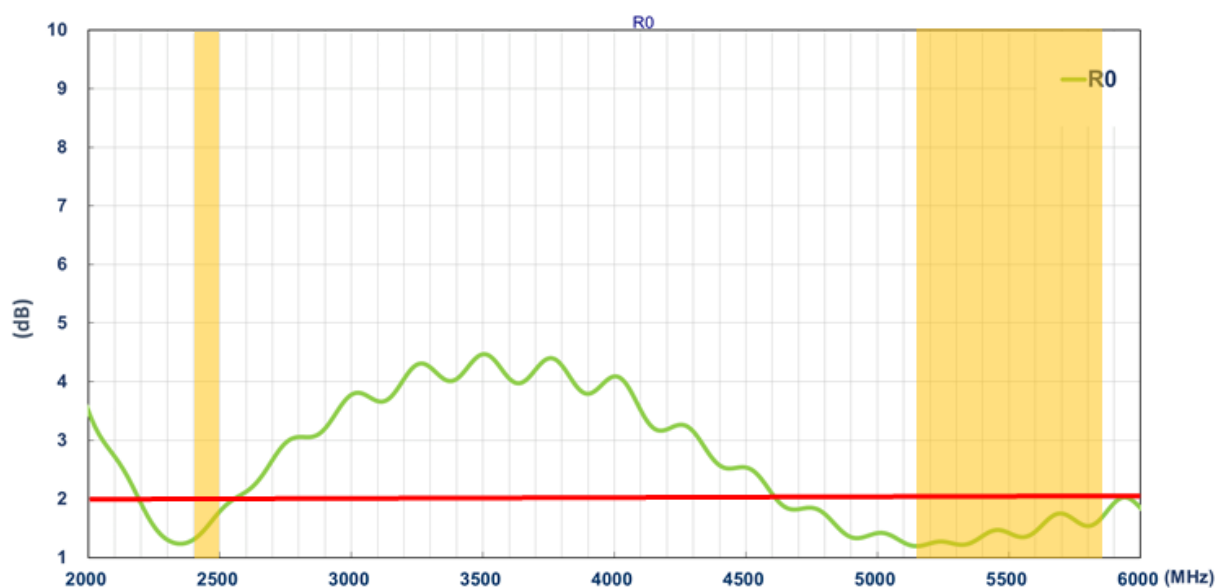
Frequency	2400 MHz ~ 2500 MHz 5000 MHz ~ 5850 MHz
V.S.W.R. (should be measured with testing jig)	≤ 2 @ 2400 MHz ~ 2500 MHz ≤ 2 @ 5000 MHz ~ 5850 MHz
Polarization	Linear
Impedance	50 Ohm

B. Material & Mechanical Characteristics

Material	Metal
Cable Type	1.37 cable (black)
Connector Type	I-PEX

2. Antenna Performance

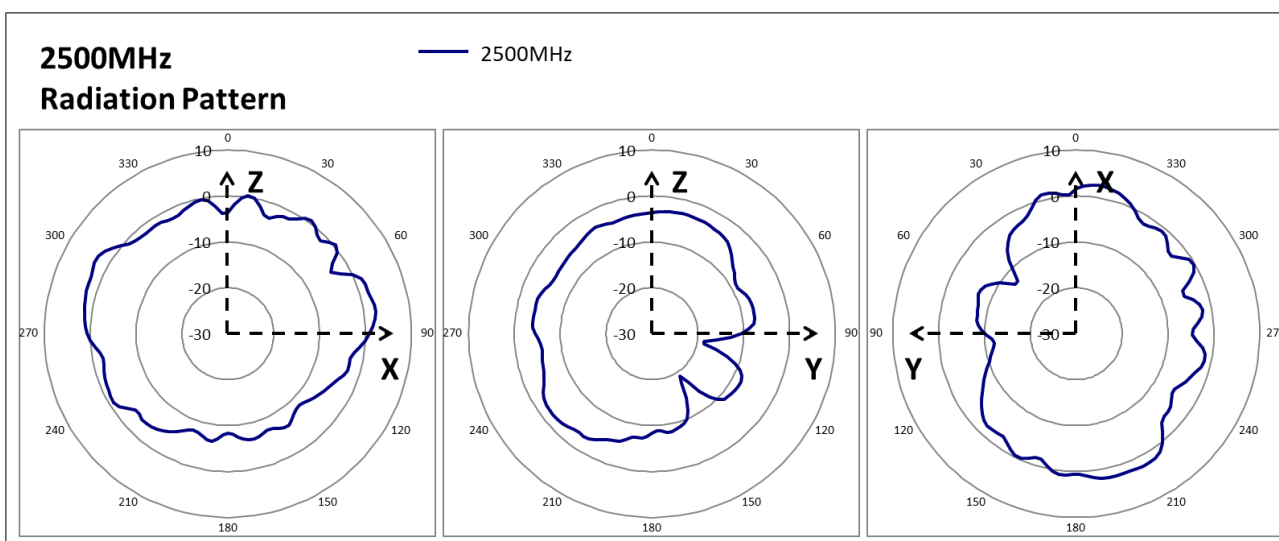
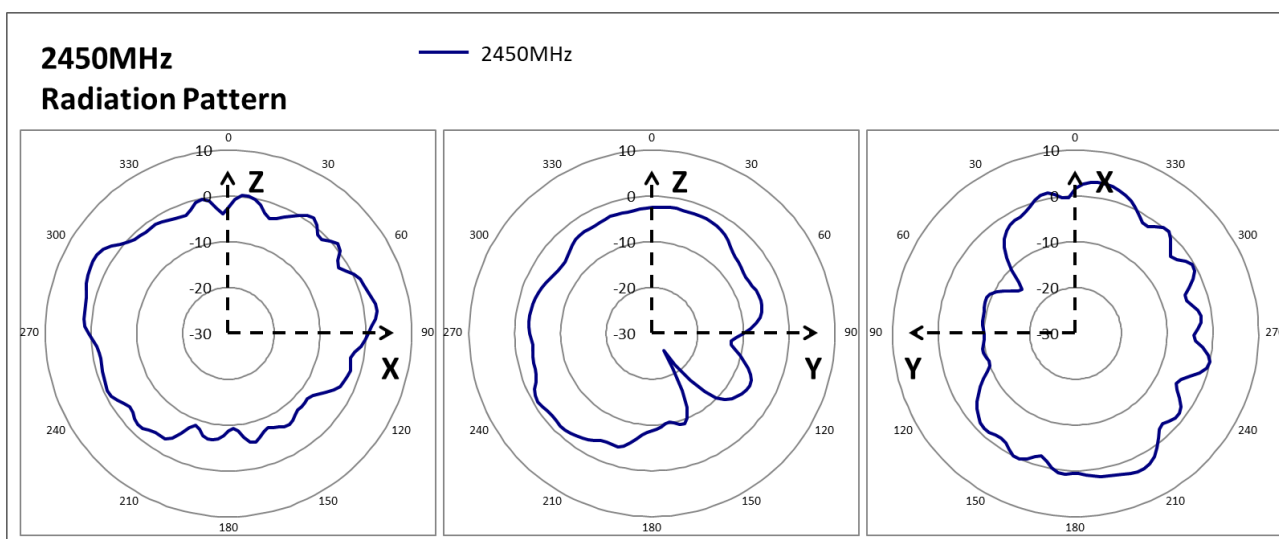
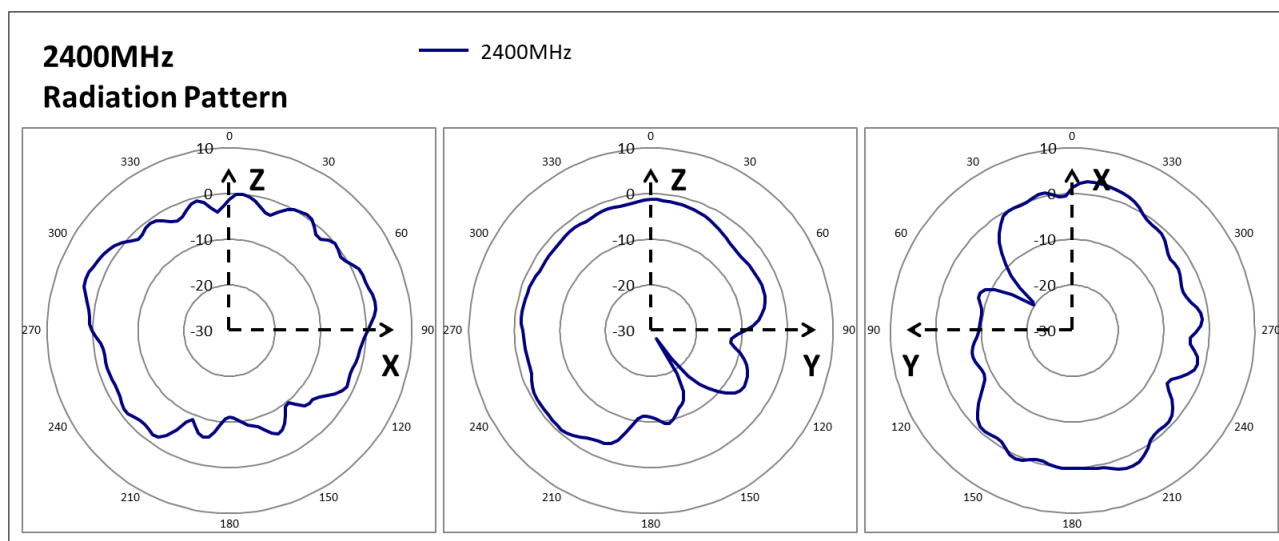
2.1 VSWR



2.2. Antenna Gain

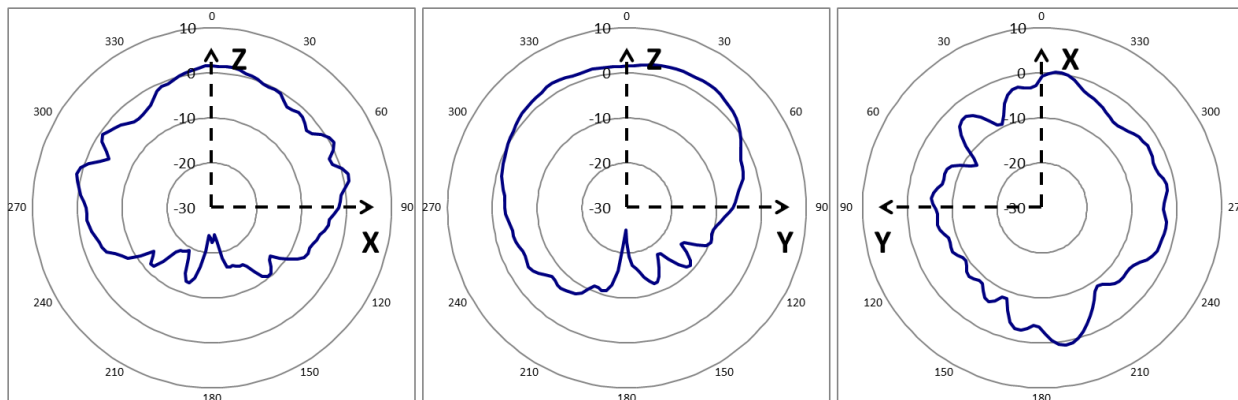
	Frequency	2.4GHz	2.45GHz	2.5GHz	5GHz	5.15GHz	5.35GHz	5.55GHz	5.75GHz	5.85GHz
R0	Efficiency	61%	61%	57%	50%	55%	58%	57%	54%	54%
	Average Gain	-2.14dBi	-2.14dBi	-2.43dBi	-3.06dBi	-2.62dBi	-2.33dBi	-2.43dBi	-2.67dBi	-2.68dBi
	Peak Gain	2.9 dBi	3.1 dBi	2.8 dBi	3 dBi	3.3 dBi	3.3 dBi	3.9 dBi	4.4 dBi	4.11 dBi

2.3 Antenna Pattern



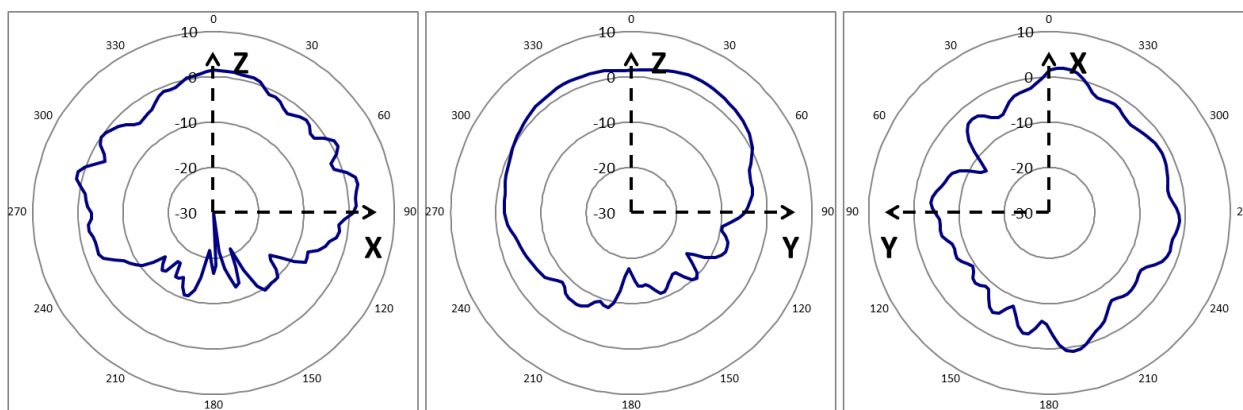
5000MHz Radiation Pattern

— 5000MHz



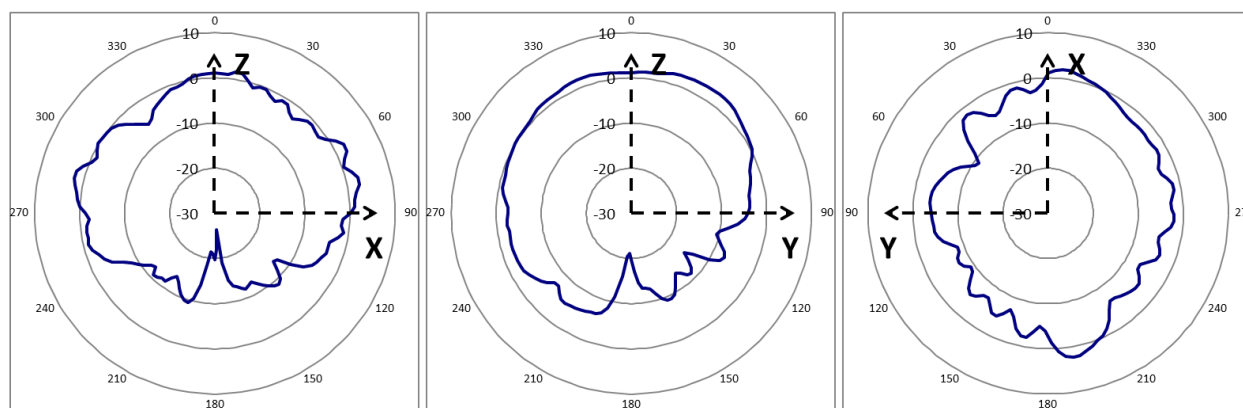
5150MHz Radiation Pattern

— 5150MHz



5350MHz Radiation Pattern

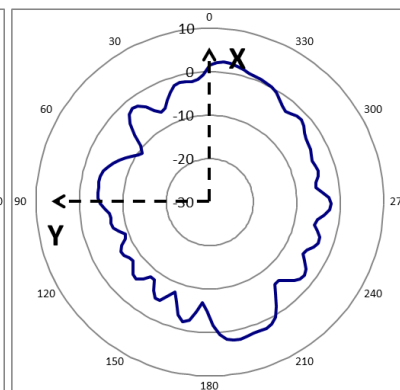
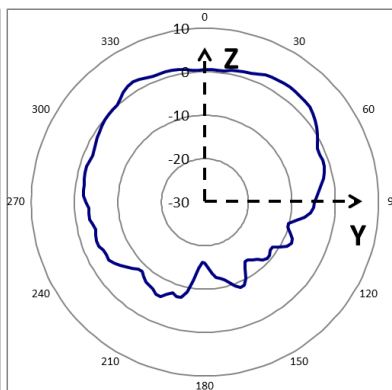
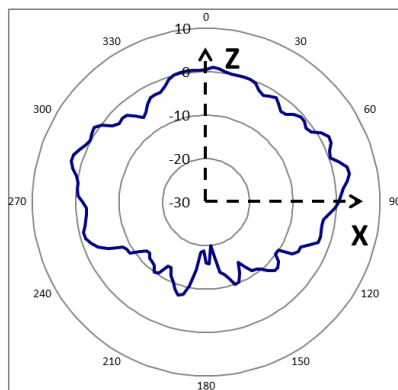
— 5350MHz



5550MHz

Radiation Pattern

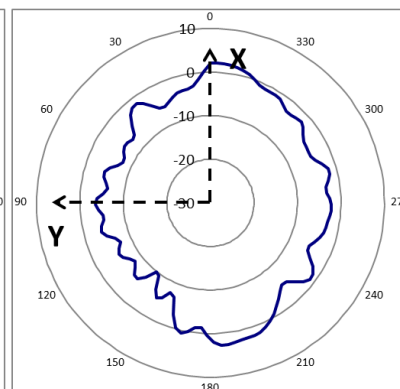
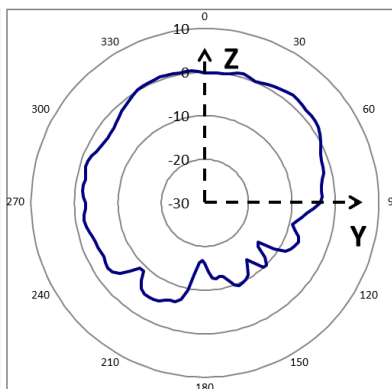
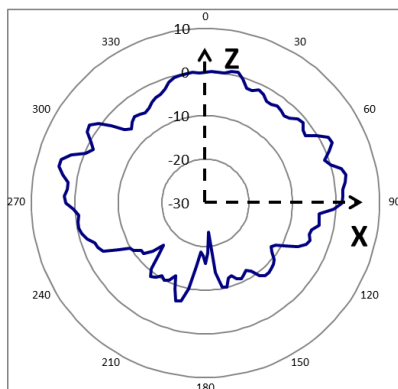
— 5550MHz



5750MHz

Radiation Pattern

— 5750MHz



5850MHz

Radiation Pattern

— 5850MHz

