

This antenna features high radiation efficiency across a wide bandwidth, supporting a broad frequency range from 698MHz to 2690MHz. Uniquely for a linearly polarized whip antenna, it also supports GNSS L1, L2, L5, and L6 frequencies. Its foldable mast design allows the antenna to be tilted to 45° or 90°, enabling an adjustable antenna angle suitable for various installation locations.

- **Frequency Range:** 698～2690[MHz]
- **Connector :** SMA (P)
- **Antenna Type:** $\lambda/2$ Dipole antenna

Typical Applications:

Gateway, Router, LPWA Terminal (LoRa, Sigfox, ZETA, ELTRES, etc.), Vending Machine, etc.



1. Specifications
2. Antenna Characteristics
3. Radiation Patterns
4. Mechanical Drawing
5. Recommended PCB
6. Recommended Mounting Land
7. Recommended Matching Component
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1. Specifications

Electrical					
Frequency [MHz]	Peak Gain [dBi]	VSWR	Impedance	Polarization	Radiation Pattern
698-1000	3.0 or less	3.5 or less	50 ohm	Linear	Omni-Directional
1000-2690	3.0 or less	3.0 or less			

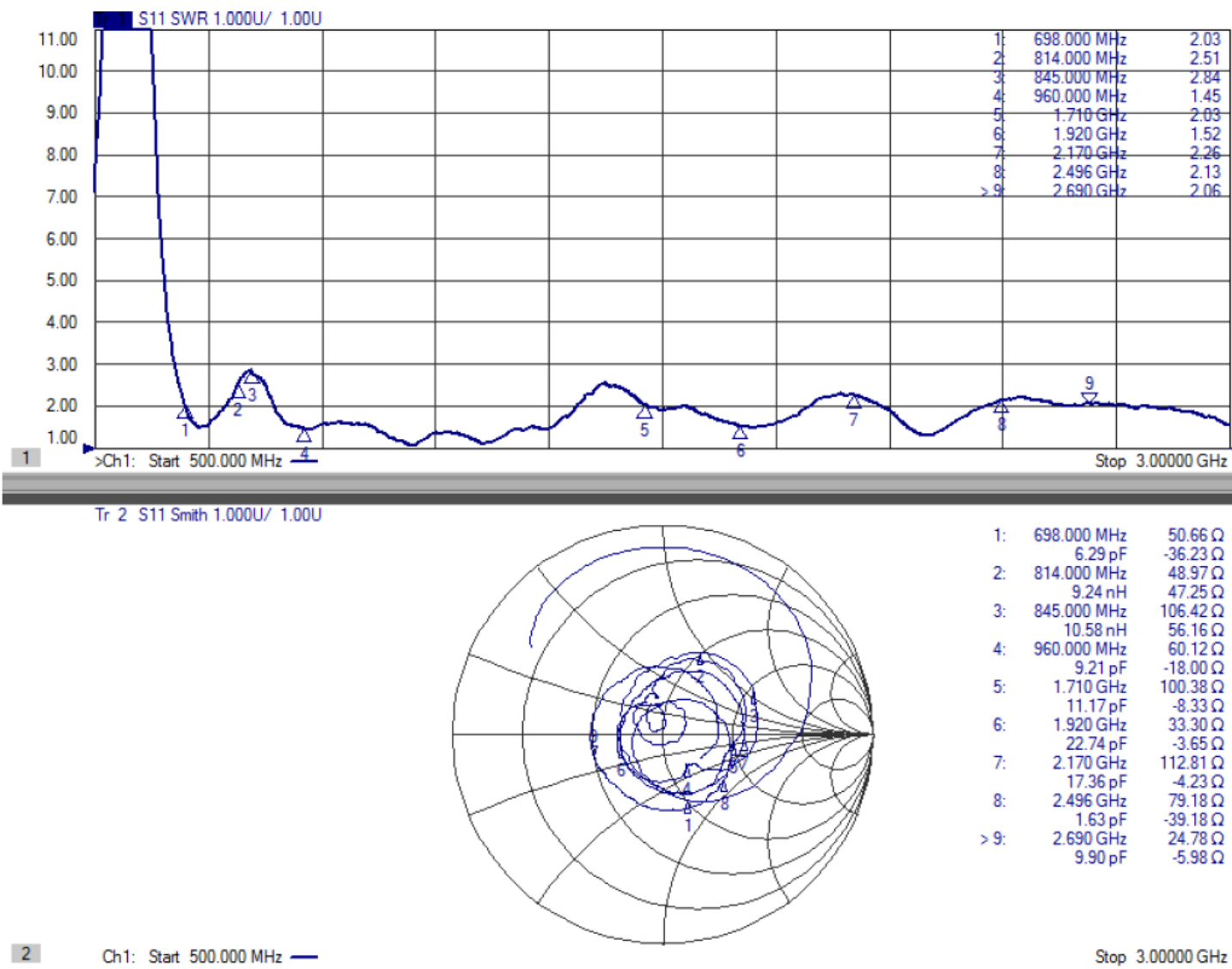
General Specification	
Frequency	698~2690[MHz]
Antenna Type	λ/2 monopole antenna
Impedance	50Ω
Connector	SMA (P) L-Type (Adjustable to positions of 0, 45 and 90)

Mechanical	
Dimensions	Please see page.10
Weight	14g
Water Proofing	Not waterproof (Indoor Use Only)

Environmental	
Operational Temperature Range	-30℃~+70℃
Storage Temperature Range	-30℃~+70℃(Antenna Alone Condition)

2. Antenna Characteristics

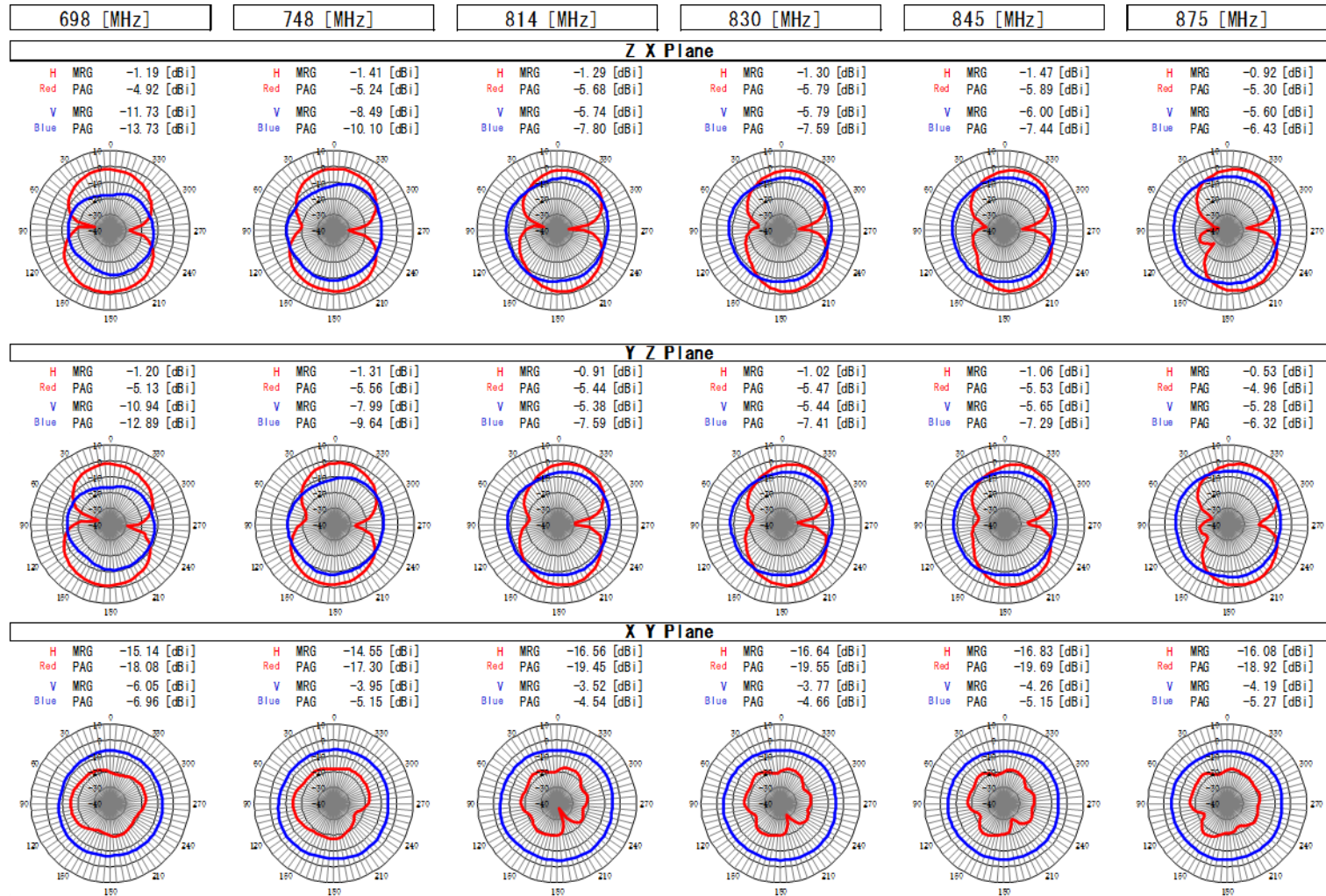
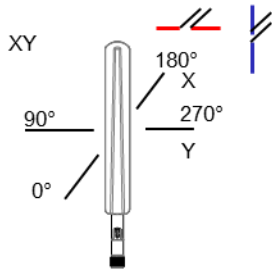
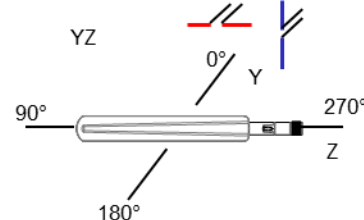
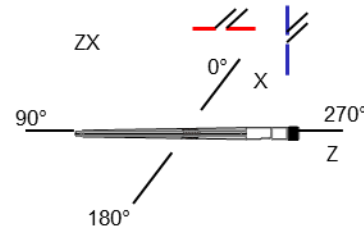
VSWR/Impedance



3. Radiation Patterns (698~875MHz)

■ Horizontal polarized wave
■ Vertical polarized wave

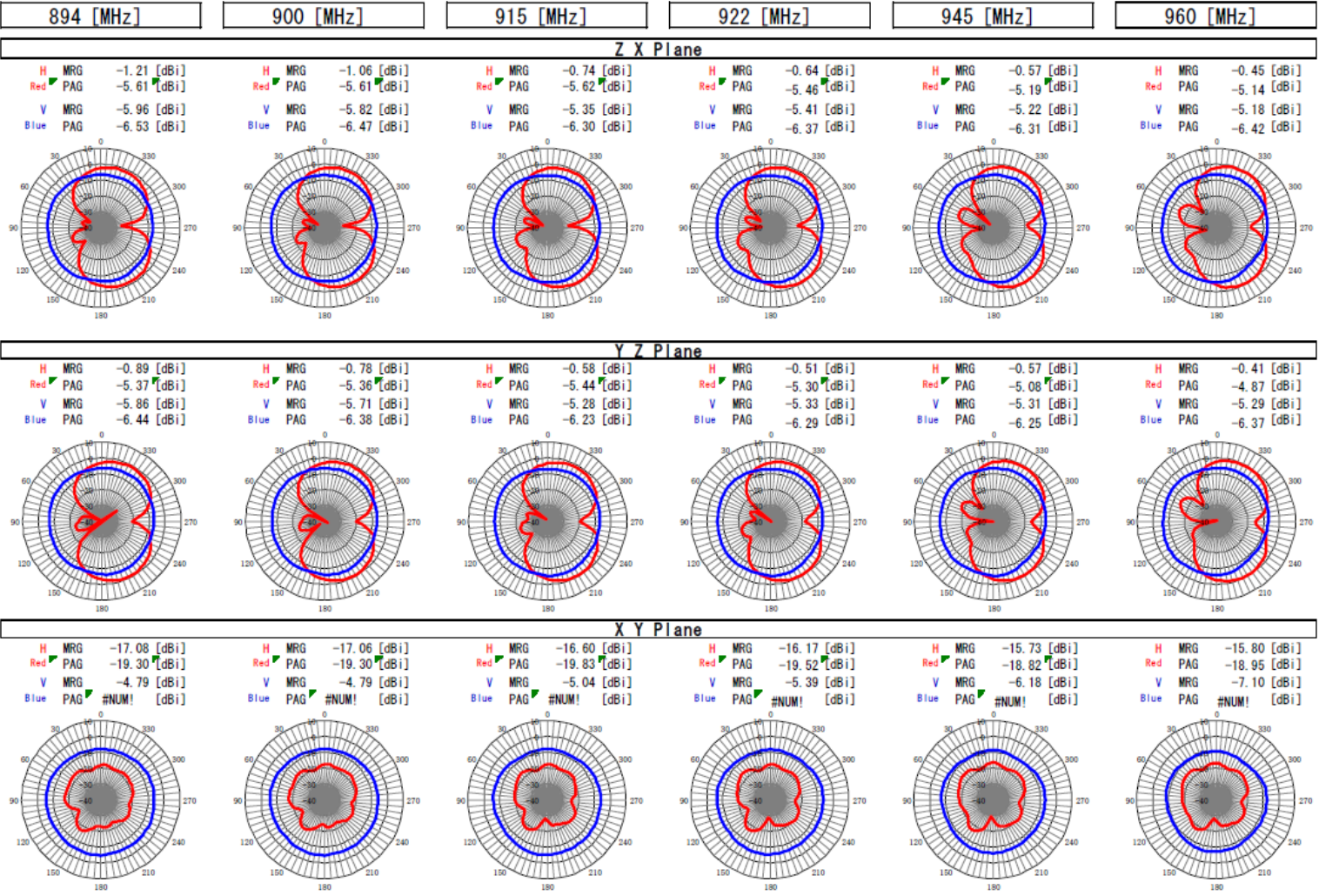
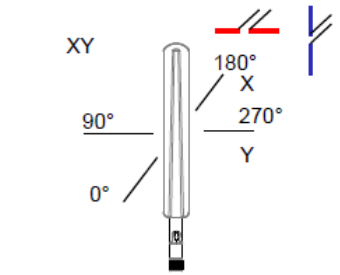
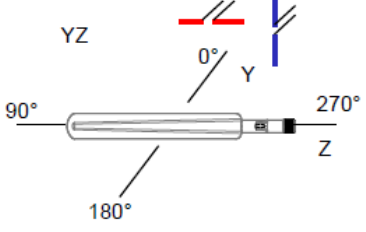
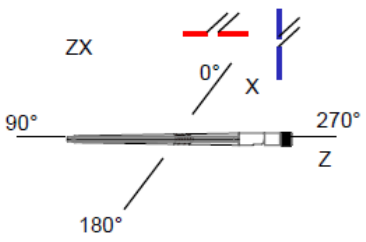
MRG=Maximum Radiation Gain
PAG= Pattern Average Gain



3. Radiation Patterns
(894~960MHz)

Horizontal polarized wave
Vertical polarized wave

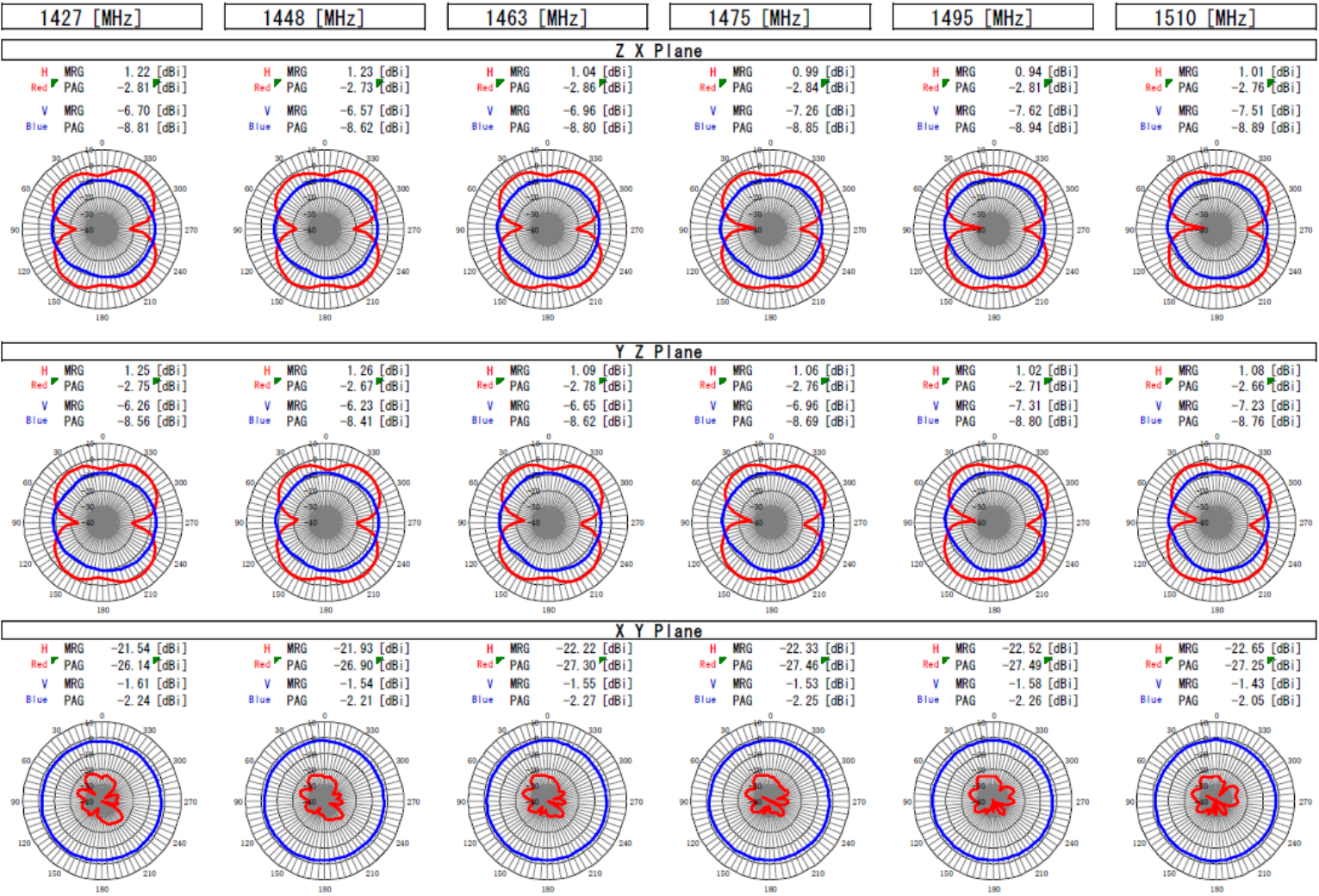
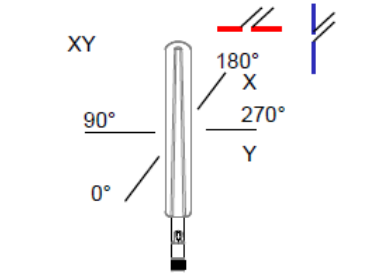
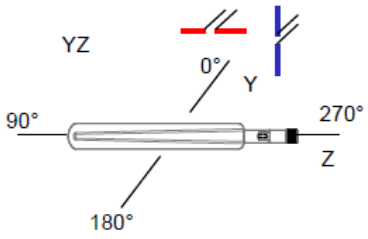
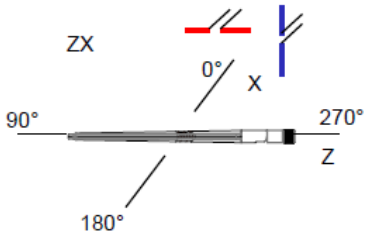
MRG=Maximum Radiation Gain
PAG= Pattern Average Gain



3. Radiation Patterns
(1427~1510MHz)

Horizontal polarized wave
Vertical polarized wave

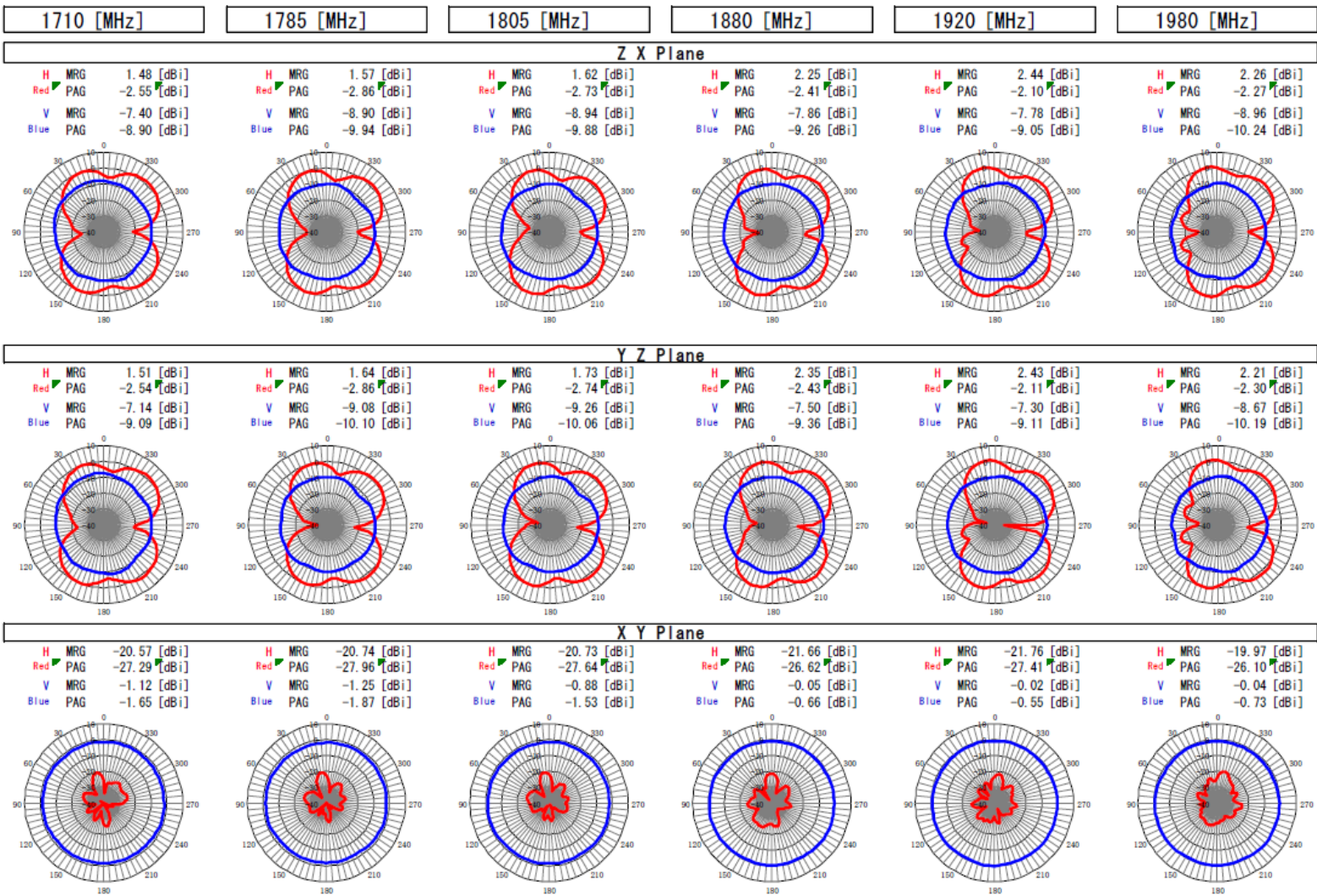
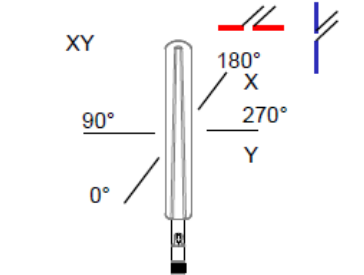
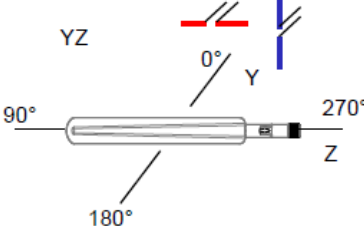
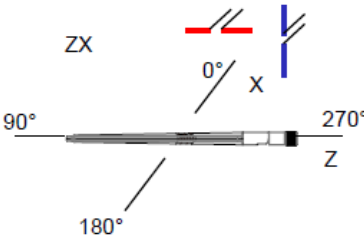
MRG=Maximum Radiation Gain
PAG= Pattern Average Gain



3. Radiation Patterns (1710~1980MHz)

■ Horizontal polarized wave
■ Vertical polarized wave

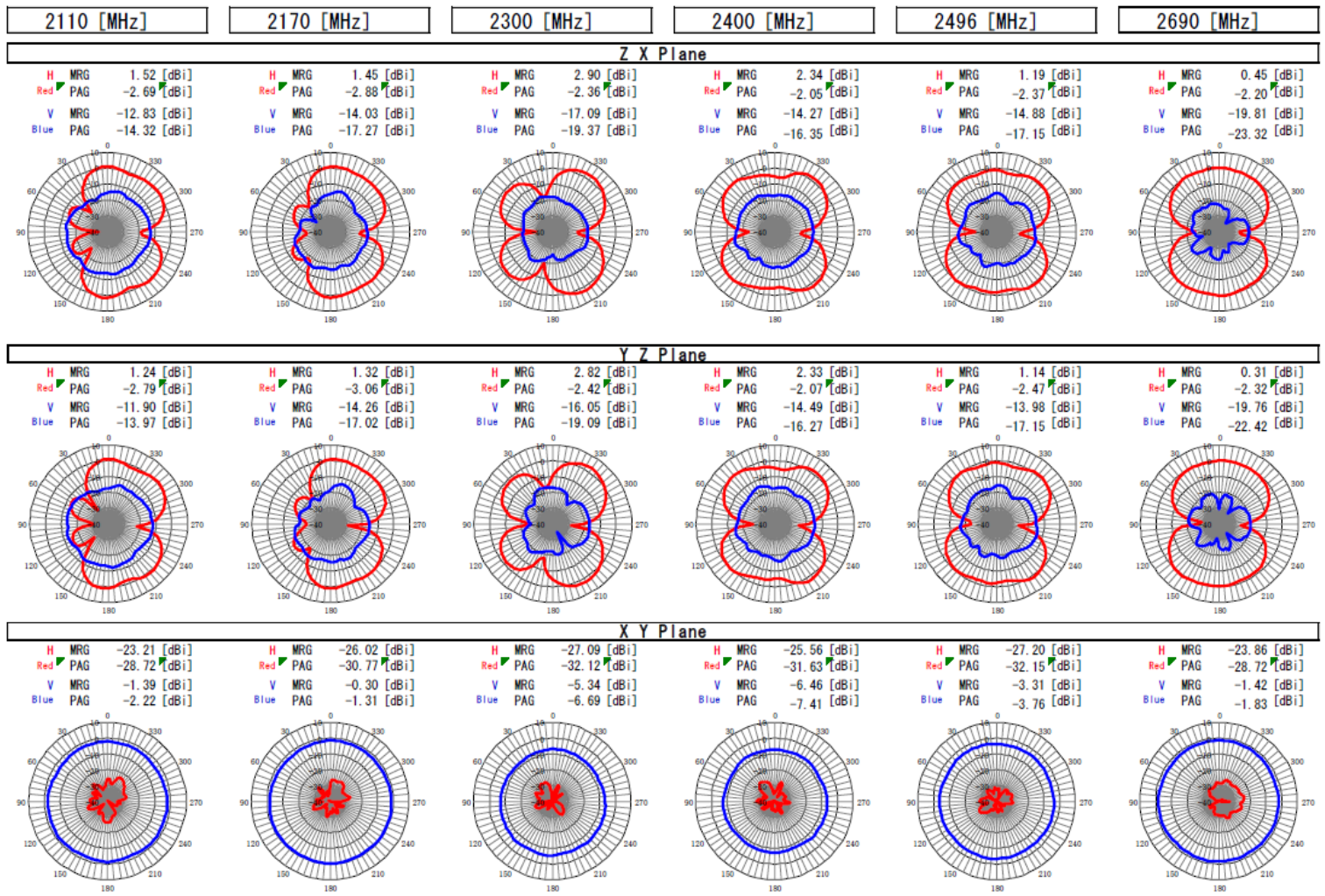
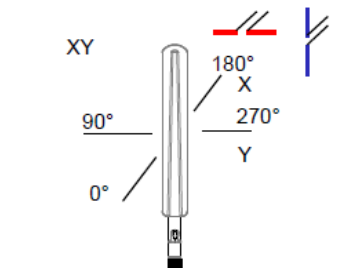
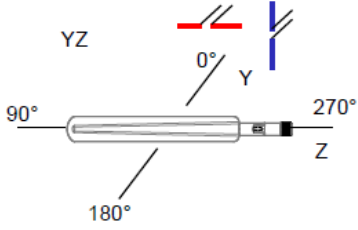
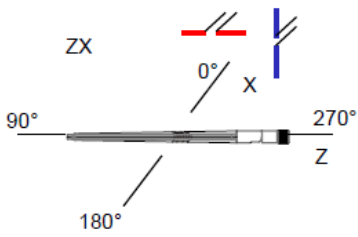
MRG=Maximum Radiation Gain
PAG= Pattern Average Gain



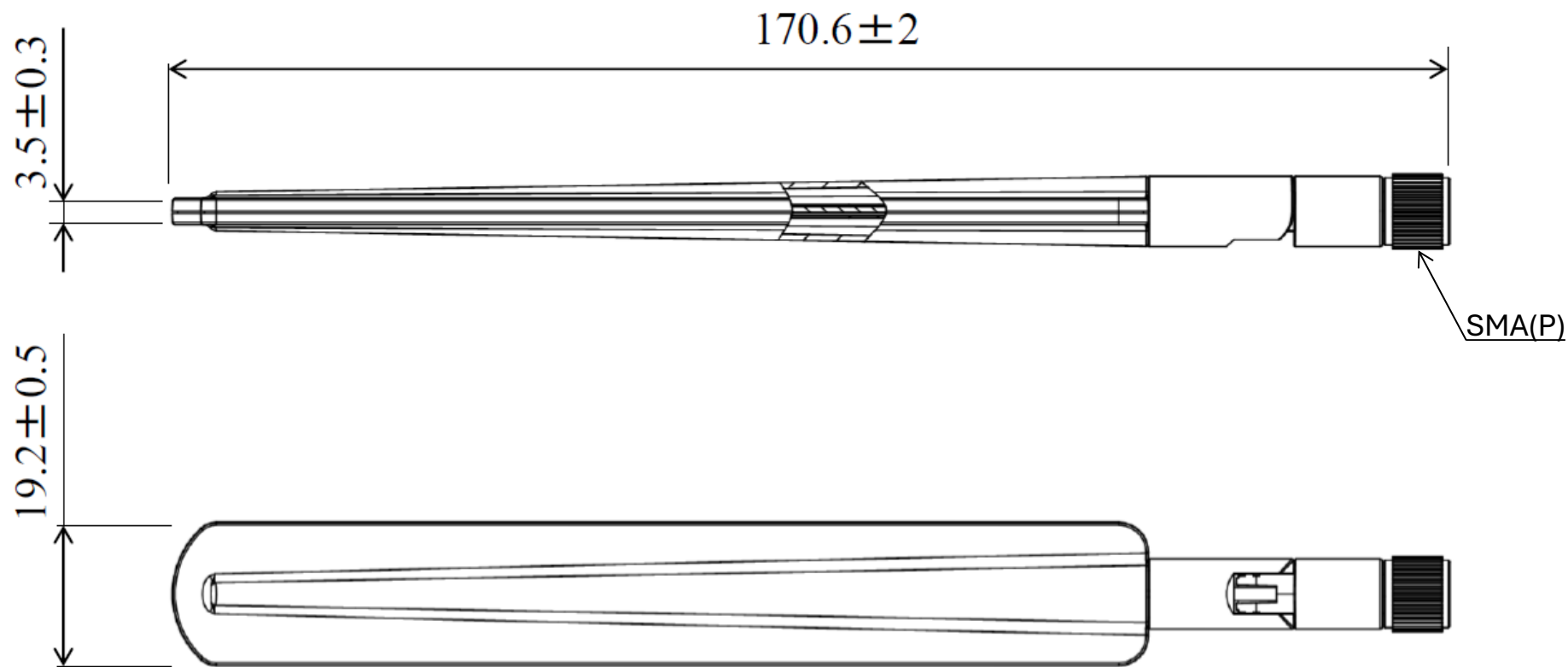
3. Radiation Patterns
(2110~2690MHz)

Horizontal polarized wave
Vertical polarized wave

MRG=Maximum Radiation Gain
PAG= Pattern Average Gain



4. Mechanical Drawing



Unit: mm

8. Packaging

