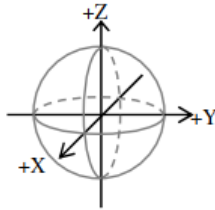


# EYSPJN Antenna Description

Confidential

Measured in Satimo Stargate system at TAIYO YUDEN R&D CENTER.

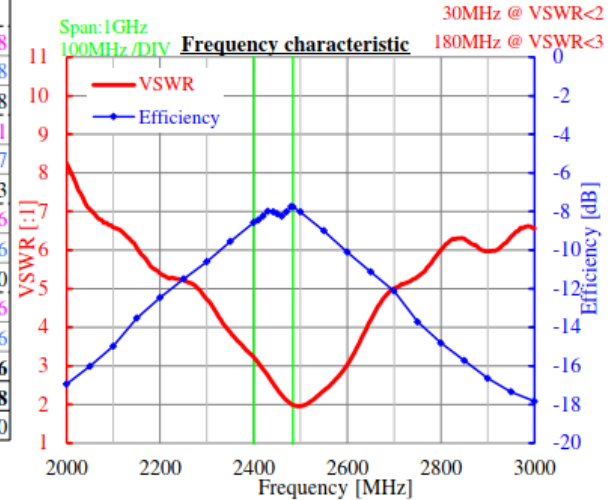
## Appearance and coordinates definition



## Measurement data of antenna

Frequency [MHz]		@2400	@2442	@2484
<b>Peak gain [dBi]</b>				
3-plane	TX-H	-3.0	-2.8	-1.5
	TX-V	-6.0	-4.7	-4.8
		<b>-3.0</b>	<b>-2.8</b>	<b>-1.5</b>
<b>Average gain [dBi]</b>				
XY-plane	TX-H	-10.3	-9.5	-9.8
	TX-V	-16.8	-16.0	-15.8
	Plus(H,V)	-9.4	-8.6	-8.8
YZ-plane	TX-H	-18.1	-16.7	-17.1
	TX-V	-7.5	-6.9	-6.7
	Plus(H,V)	-7.1	-6.5	-6.3
ZX-plane	TX-H	-9.5	-9.3	-8.6
	TX-V	-18.3	-17.2	-16.6
	Plus(H,V)	-8.9	-8.7	-8.0
3-plane	TX-H	-11.3	-10.8	-10.6
	TX-V	-11.5	-10.8	-10.6
		<b>-8.4</b>	<b>-7.8</b>	<b>-7.6</b>
<b>Efficiency [dB]</b>		<b>-8.6</b>	<b>-8.0</b>	<b>-7.8</b>
<b>VSWR [ :1 ]</b>		<b>3.2</b>	<b>2.6</b>	<b>2.0</b>

24.Dec.2014

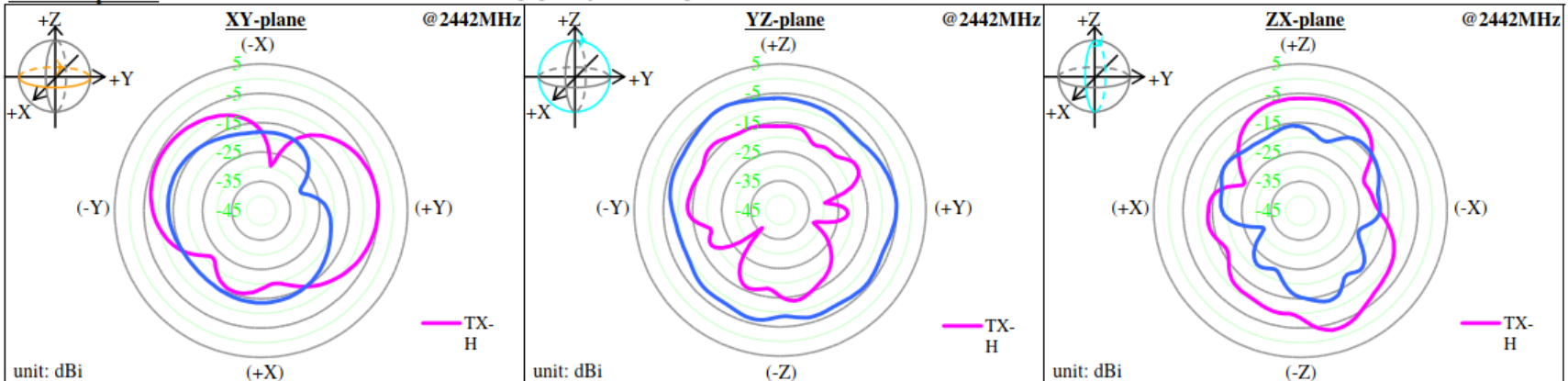


\*Note: Peak gain(3-plane)=Peak(XY[H],XY[V],YZ[H],YZ[V],ZX[H],ZX[V])

\*Note: The value is average value in 1 round of each inclination direction angle.

\*Note: Average gain(3-plane)=Average(XY[Plus(H,V)],YZ[Plus(H,V)],ZX[Plus(H,V)])

## Radiation pattern



20141224M0944