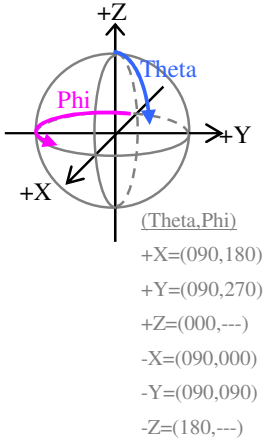
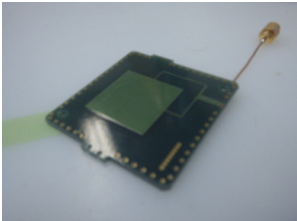


パッチアンテナ 2400MHz

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

Appearance and coordinates definition



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

Phi=Horizontal polarization, Theta=Vertical polarization

LC=Left-handed circular polarization, RC=Right-handed circular polarization

Measurement data of antenna

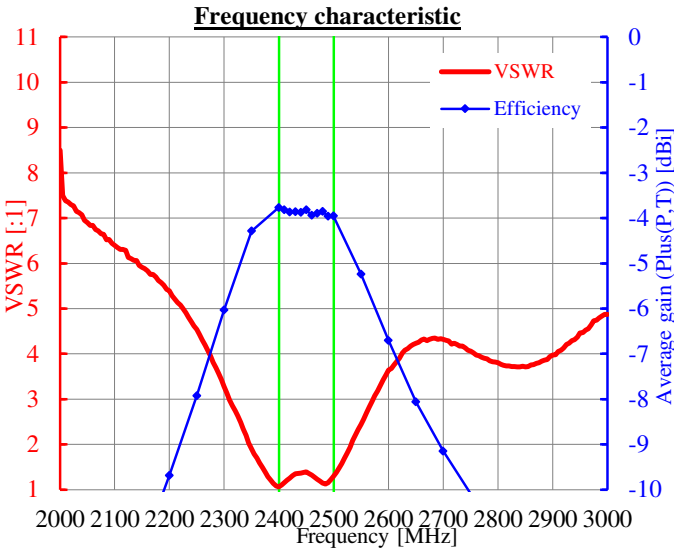
Frequency [MHz]	@ 2400
Peak gain	[dBi]
3-plane	
TX-H	0.2
TX-V	0.2
Plus(H,V)	0.2

(Up-half)

Average gain**	[dBi]
XY-plane	
TX-H	-8.9
TX-V	-11.2
YZ-plane	
TX-H	-9.7
TX-V	-4.3
ZX-plane	
TX-H	-5.5
TX-V	-6.0
3-plane	
TX-H	-7.6
TX-V	-6.3

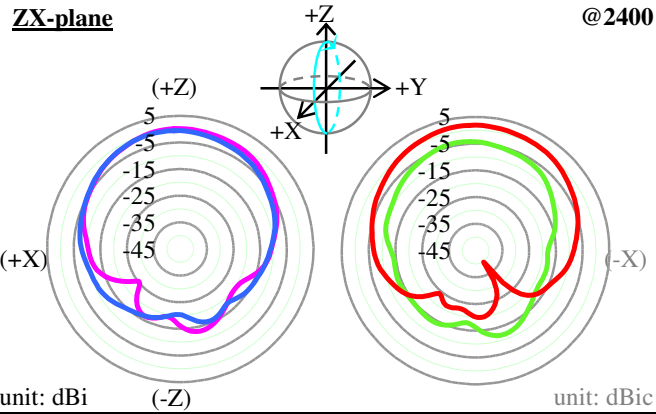
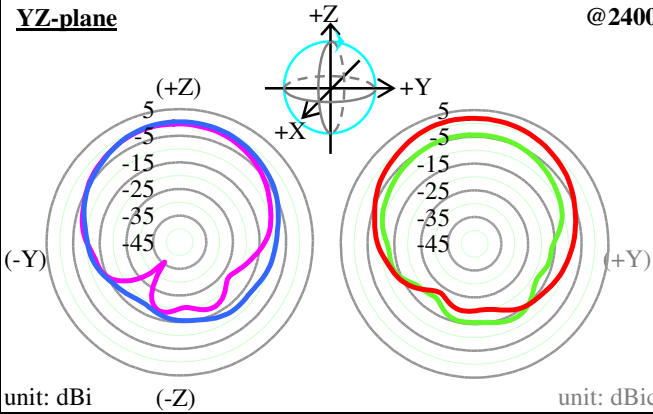
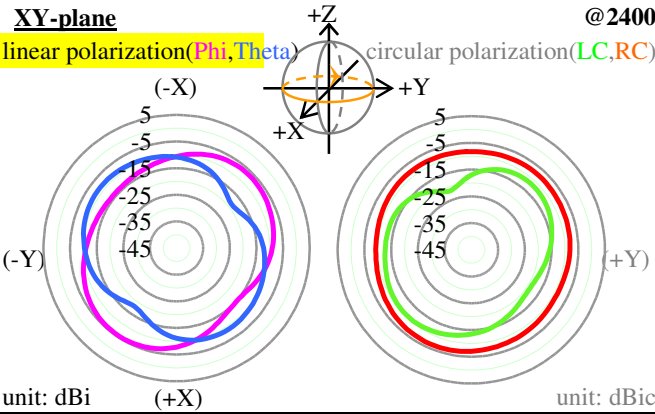
Efficiency [dB]	-3.8
VSWR [:1]	1.1

Matching circuit constant 2020/7/1



Span:500MHz
50MHz /DIV

Radiation pattern

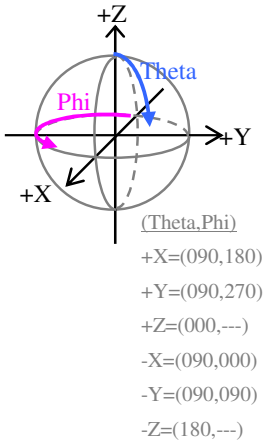
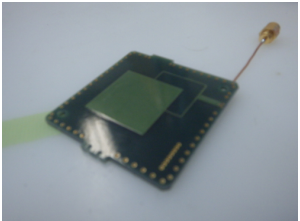


パッチアンテナ 2450MHz

Confidential

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

Appearance and coordinates definition



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

Phi=Horizontal polarization, Theta=Vertical polarization

LC=Left-handed circular polarization, RC=Right-handed circular polarization

Measurement data of antenna

Frequency [MHz]	@2450
Peak gain	[dBi]
3-plane	
TX-H	0.9
TX-V	0.9
Plus(H,V)	0.9

(Up-half)

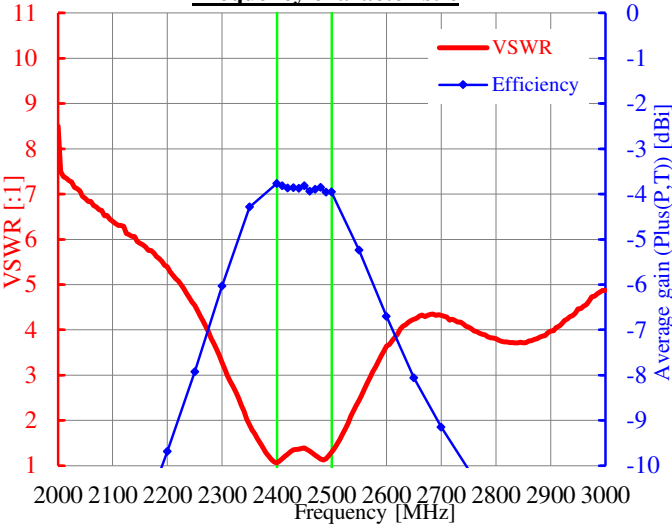
Average gain**	[dBi]
XY-plane	
TX-H	-9.2
TX-V	-10.9
YZ-plane	
TX-H	-4.9
TX-V	-7.2
ZX-plane	
TX-H	-7.4
TX-V	-4.3
3-plane	
TX-H	-6.8
TX-V	-6.7

Efficiency [dB]	-3.8
VSWR [:1]	1.4

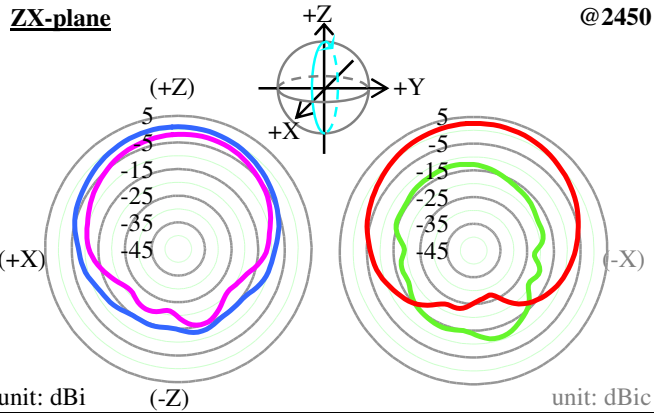
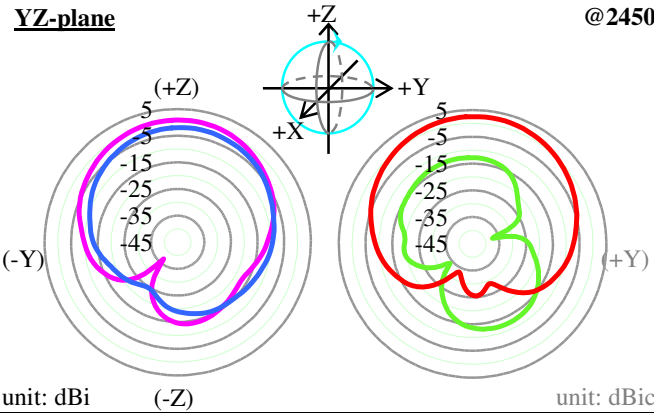
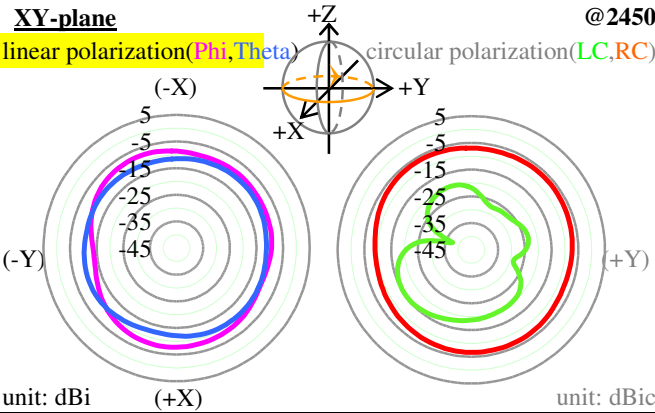
Matching circuit constant

2020/7/1

Frequency characteristic



Radiation pattern

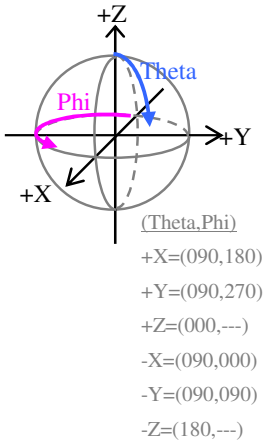
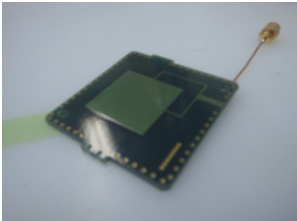


パッチアンテナ 2500MHz

Confidential

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

Appearance and coordinates definition



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

Phi=Horizontal polarization, Theta=Vertical polarization

LC=Left-handed circular polarization, RC=Right-handed circular polarization

Measurement data of antenna

Frequency [MHz]	@2500
Peak gain	[dBi]
3-plane	
TX-H	0.0
TX-V	0.0
Plus(H,V)	0.0

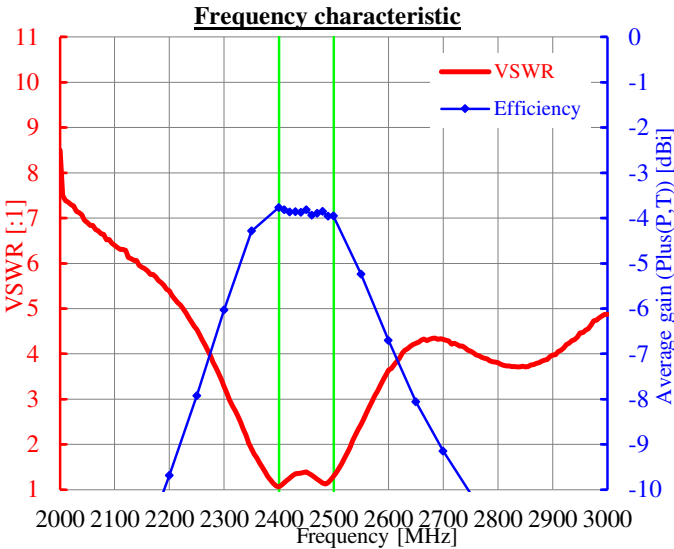
(Up-half)

Average gain**	[dBi]
XY-plane	
TX-H	-9.0
TX-V	-11.2
YZ-plane	
TX-H	-6.3
TX-V	-5.8
ZX-plane	
TX-H	-5.3
TX-V	-6.4
3-plane	
TX-H	-6.6
TX-V	-7.2

Efficiency [dB]	-4.0
VSWR [:1]	1.3

Matching circuit constant

2020/7/1



Radiation pattern

