

# Data Sheet

CUSTOMER: ASUS

MODEL NAME: B7402

CUSTOMER P/N: 14008-04680100

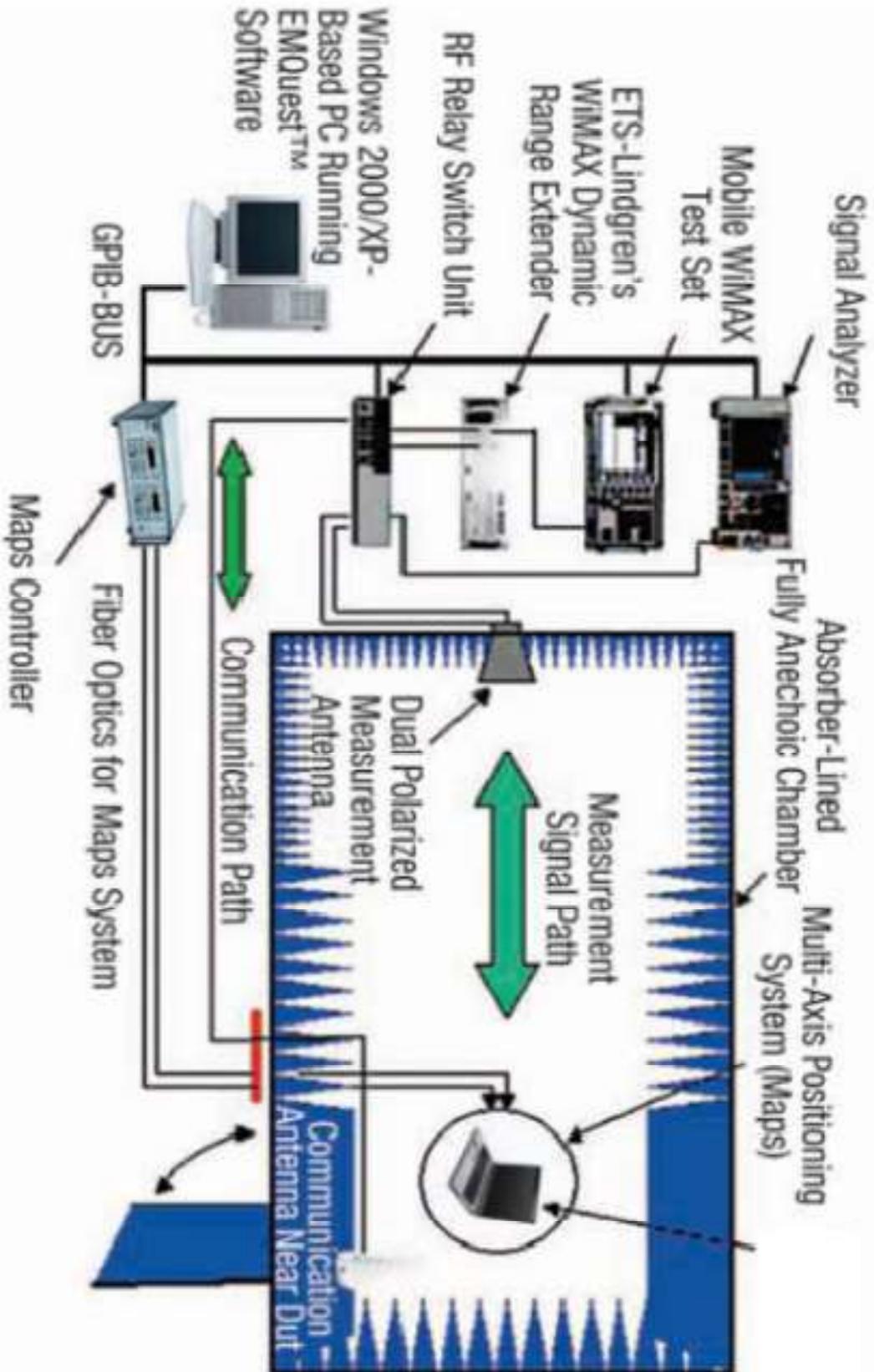
ICT P/N: LA9RF344-CS-H

<b>APPROVED</b>	
MANUFACTURER	CUSTOMER
<i>PREPARED BY:</i>	<i>APPROVED BY:</i>
<i>CHECK BY:</i>	
<i>APPROVED BY:</i>	

# Description

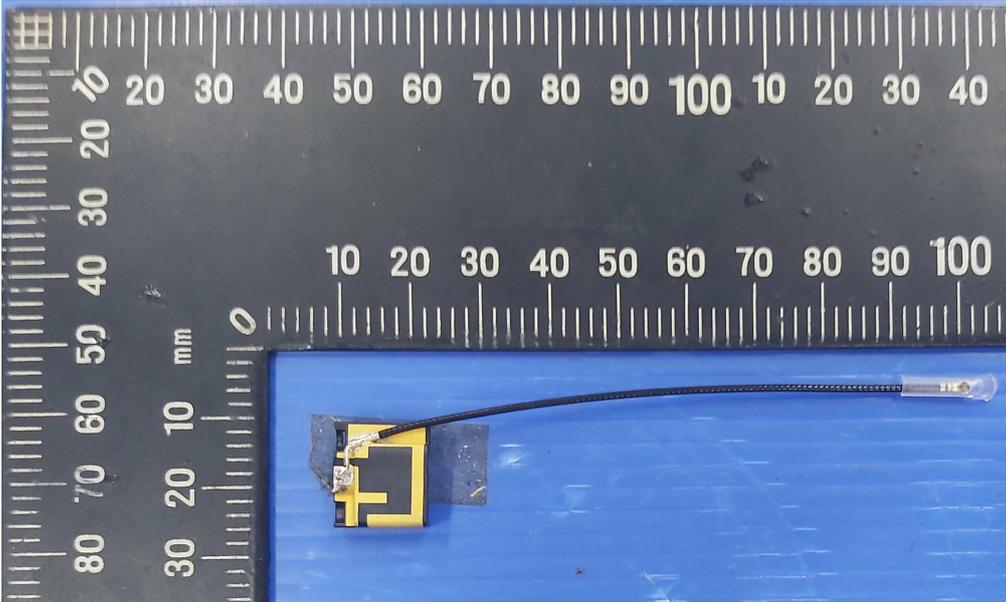
## Specifications

Antennas Type	PIFA Antenna for Wi-Fi application	
Connector Type	IPEX-4 Connector for 1.13 cable	
Cable Type	LOW LOSS 1.13 RF Cable	
Impedance	50Ω	
Polarization	Linear	
Radiation pattern	Omni-directional	
VSWR	2.40~2.50 GHz	5.00 Max
	5.15~5.85 GHz	
	5.925~7.125 GHz	
Peak gain	2.40~2.50 GHz	2.12 dBi
	5.15~5.85 GHz	3.59 dBi
	5.925~7.125 GHz	4.62 dBi
Cable Loss	2.40~2.50 GHz	0.20 dB
	5.15~5.85 GHz	0.31 dB
	5.925~7.125 GHz	0.32 dB
Cable length/Color	WLAN MAIN	80.5mm , Black

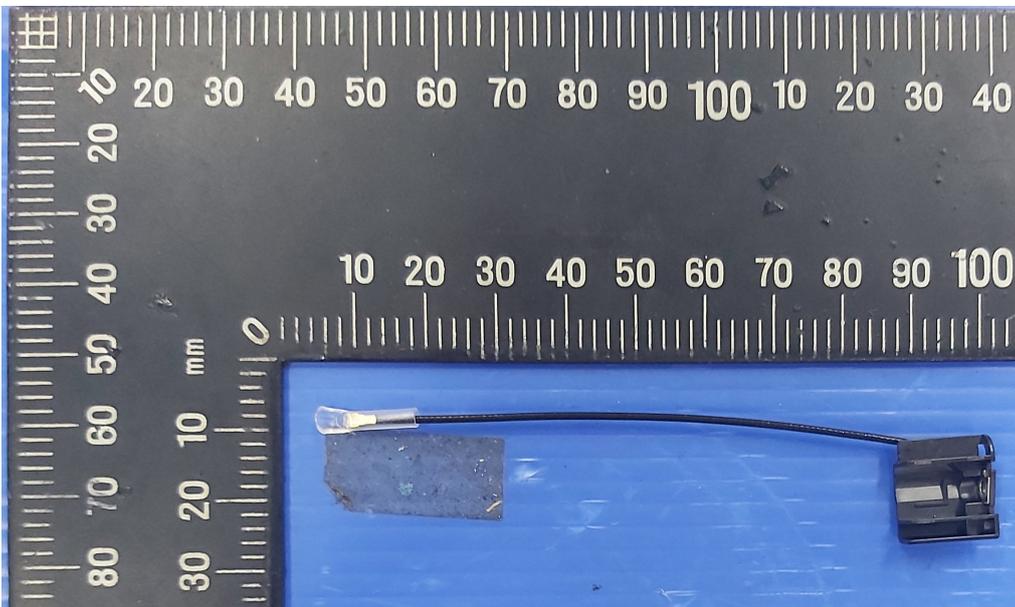


## Description

### Antenna Picture1

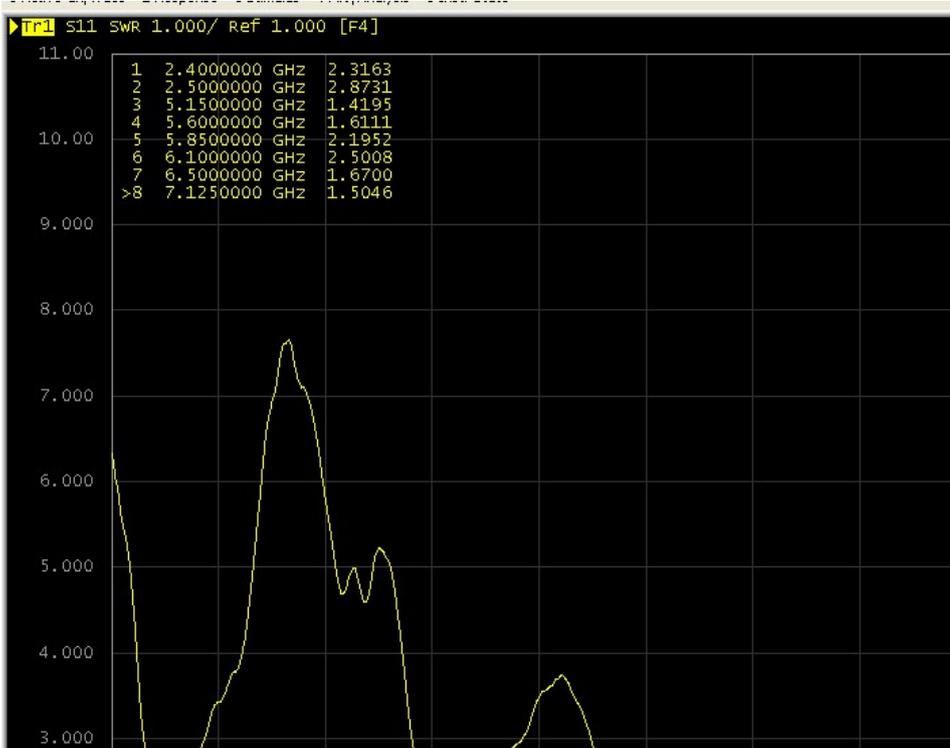


### Antenna Picture2

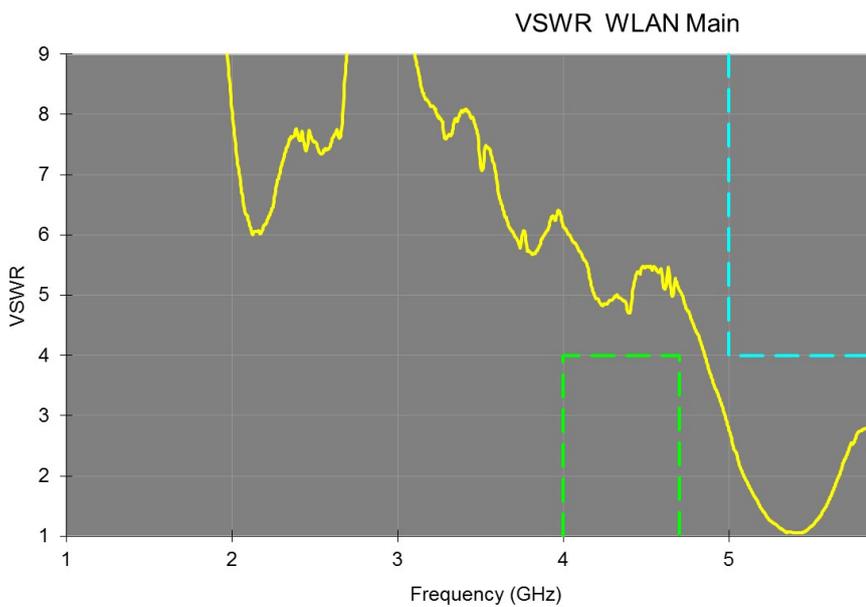


# Performance Data

## 1. VSWR



## 2. SPEC



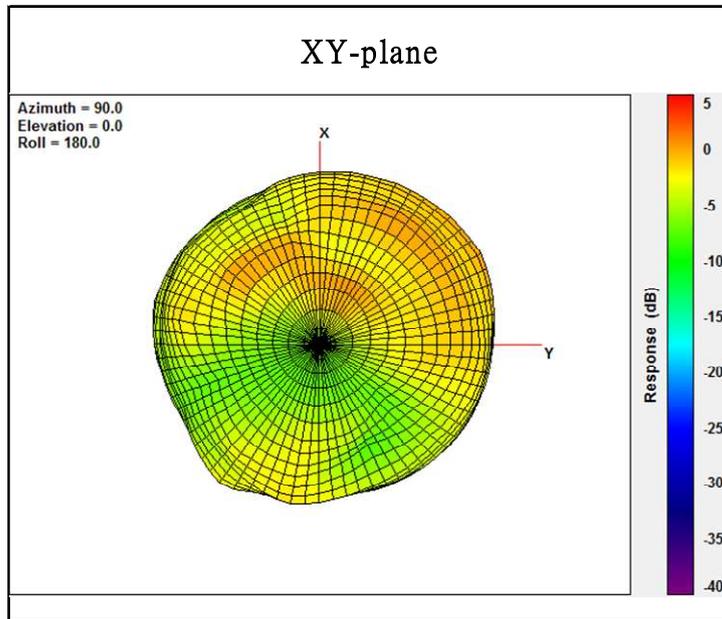
Spec:

4.00 ~ 4.70 GHz > 4

5.00 ~ 6.00 GHz < 4

# Radiation pattern open mode

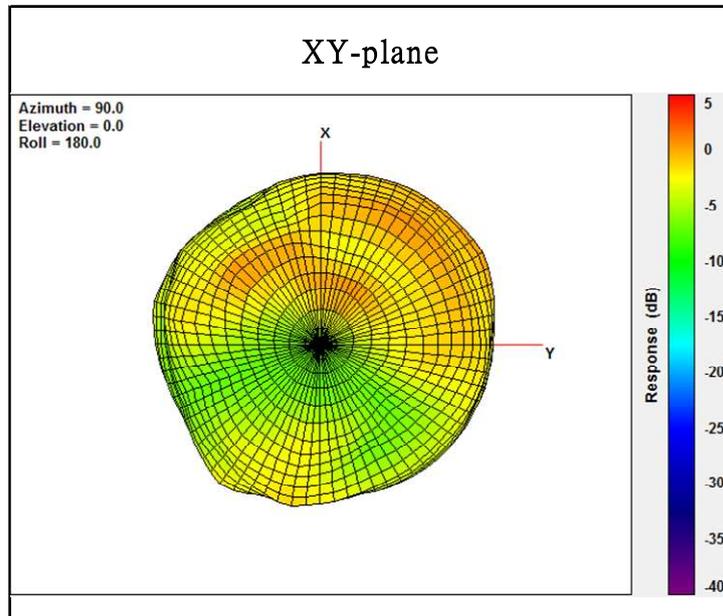
Antenna: 2400MHz



Center Frequency	<b>2400 MHz</b>
Three-dimensional (dBi) peak	1.21

# Radiation pattern open mode

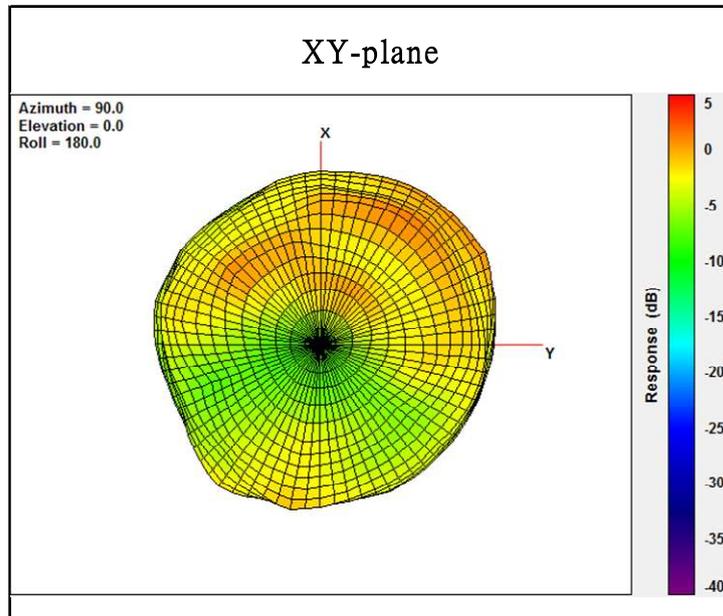
Antenna: 2412MHz



Center Frequency	<b>2412 MHz</b>
Three-dimensional (dBi) peak	1.29

# Radiation pattern open mode

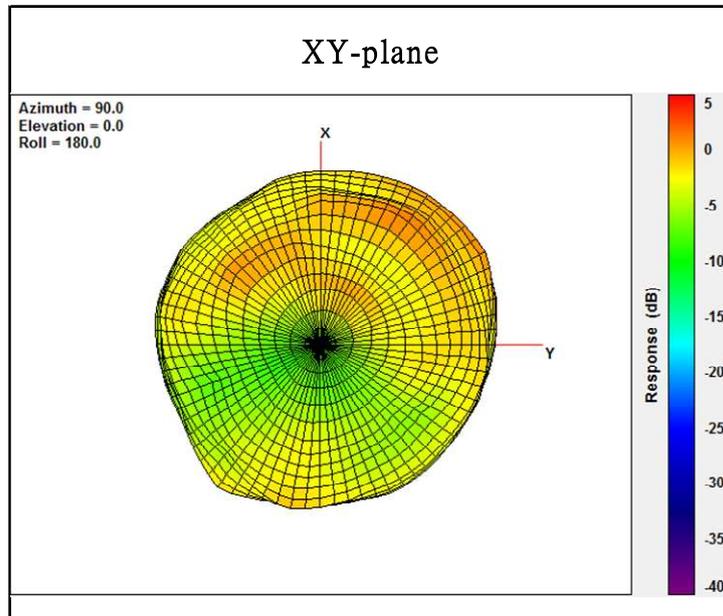
Antenna: 2437MHz



Center Frequency	<b>2437 MHz</b>
Three-dimensional (dBi) peak	1.75

# Radiation pattern open mode

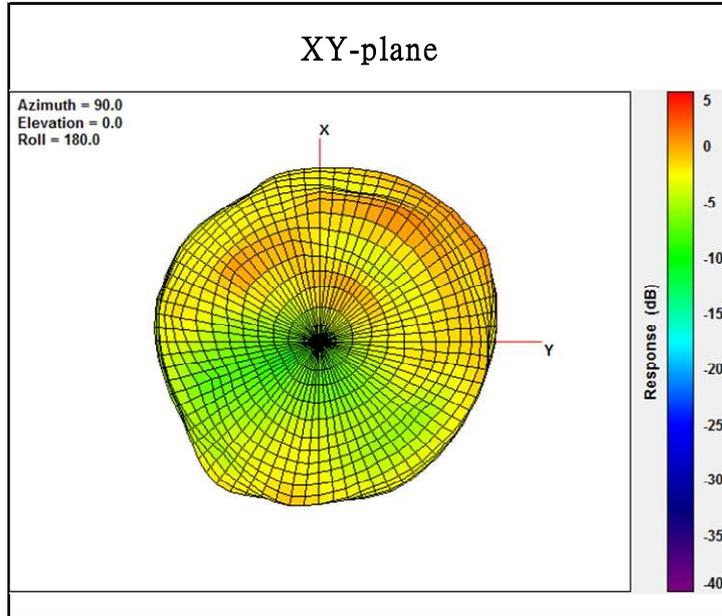
Antenna: 2450MHz



Center Frequency	<b>2450 MHz</b>
Three-dimensional (dBi) peak	1.83

# Radiation pattern open mode

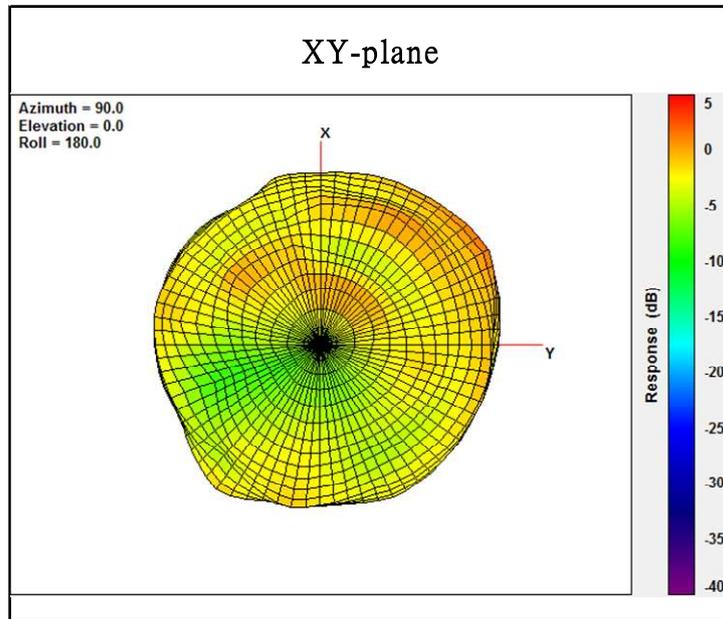
Antenna: 2462MHz



Center Frequency	<b>2462 MHz</b>
Three-dimensional (dBi) peak	1.70

# Radiation pattern open mode

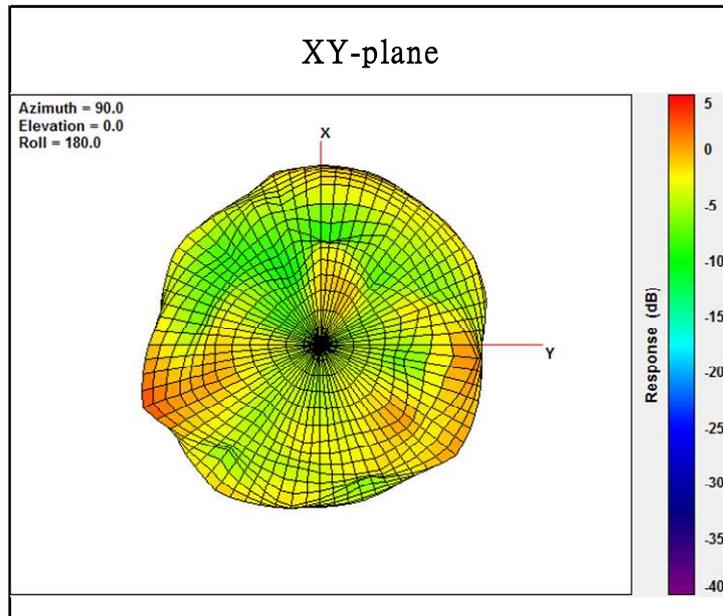
Antenna: 2500MHz



Center Frequency	<b>2500 MHz</b>
Three-dimensional (dBi) peak	2.12

# Radiation pattern open mode

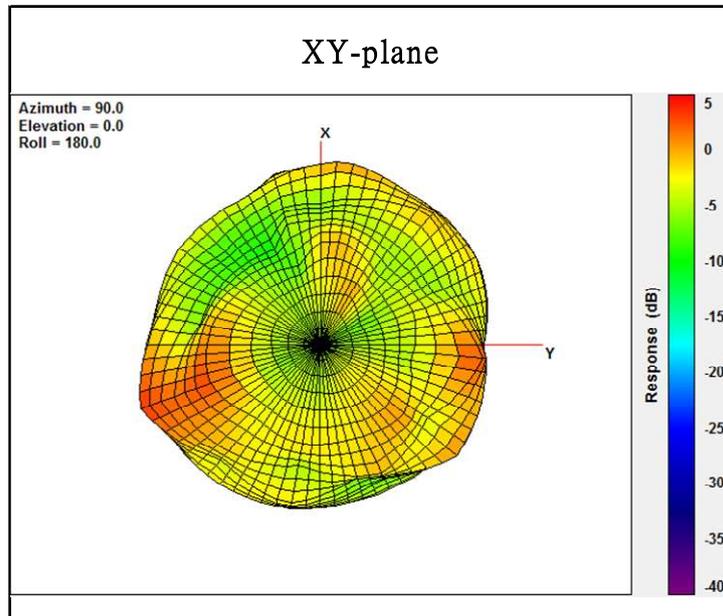
Antenna: 5150MHz



Center Frequency	<b>5150 MHz</b>
Three-dimensional (dBi) peak	3.48

# Radiation pattern open mode

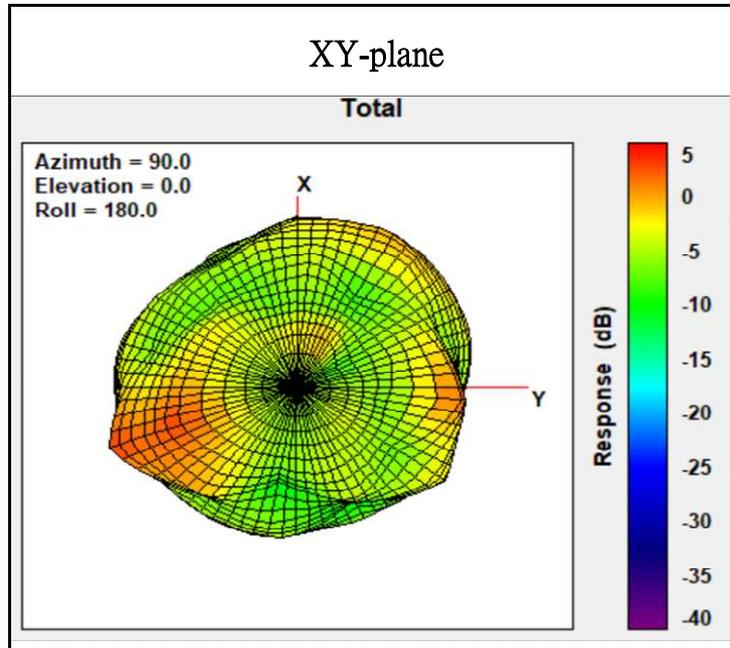
Antenna: 5250MHz



Center Frequency	<b>5250 MHz</b>
Three-dimensional (dBi) peak	3.14

# Radiation pattern open mode

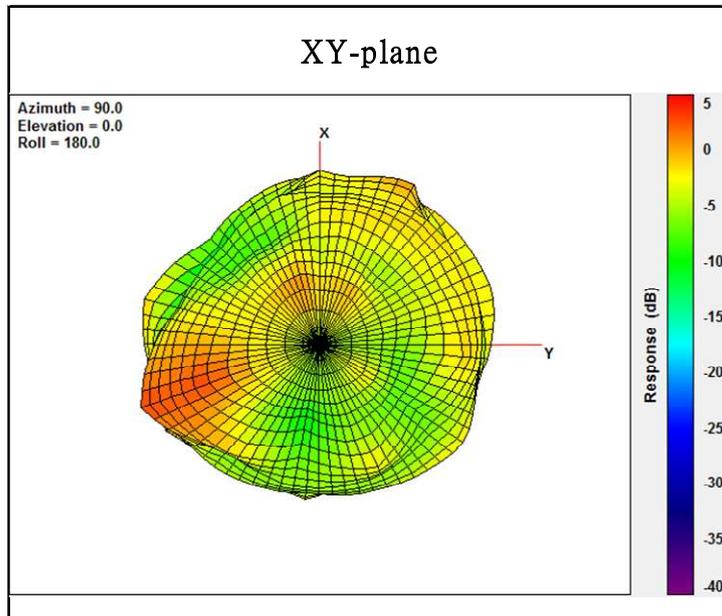
Antenna: 5350MHz



Center Frequency	<b>5350 MHz</b>
Three-dimensional (dBi) peak	3.57

# Radiation pattern open mode

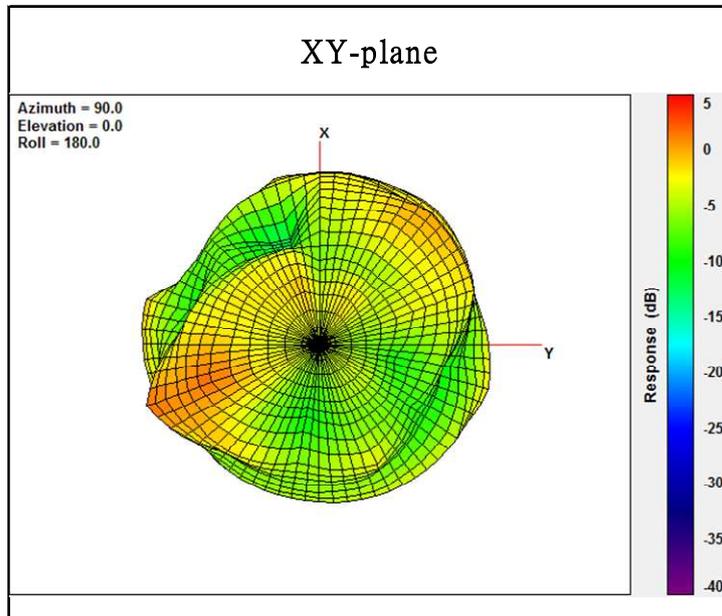
Antenna: 5470MHz



Center Frequency	<b>5470 MHz</b>
Three-dimensional (dBi) peak	3.56

# Radiation pattern open mode

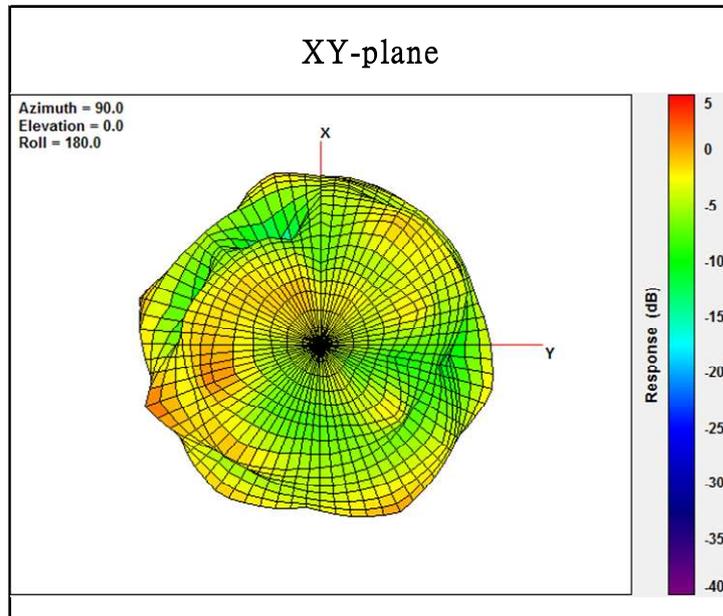
Antenna: 5600MHz



Center Frequency	<b>5600 MHz</b>
Three-dimensional (dBi) peak	2.52

# Radiation pattern open mode

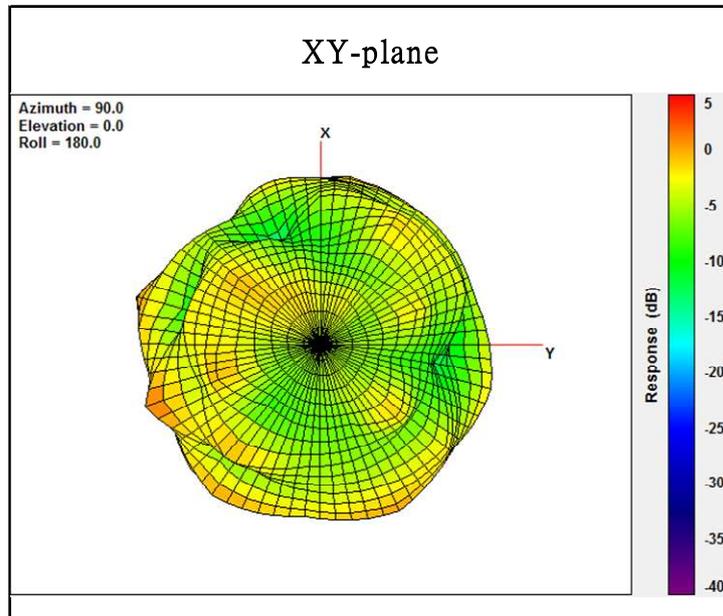
Antenna: 5725MHz



Center Frequency	<b>5725 MHz</b>
Three-dimensional (dBi) peak	3.03

# Radiation pattern open mode

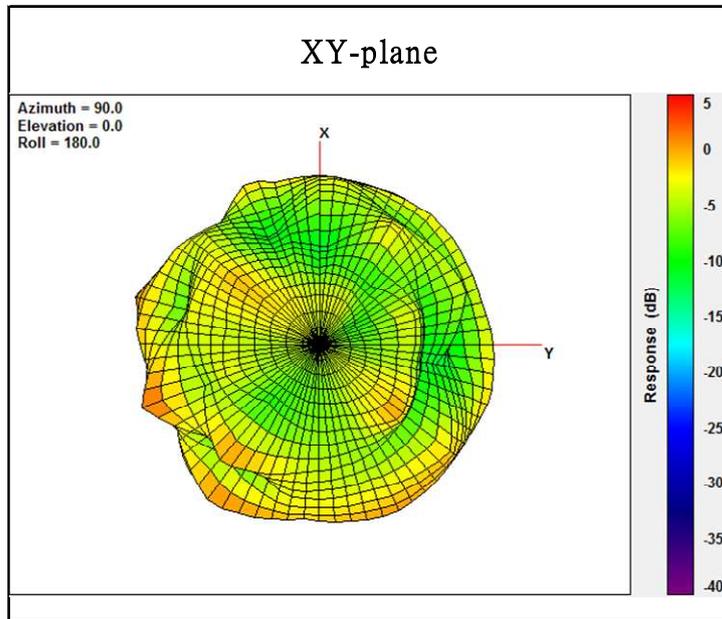
Antenna: 5785MHz



Center Frequency	<b>5785 MHz</b>
Three-dimensional (dBi) peak	2.98

# Radiation pattern open mode

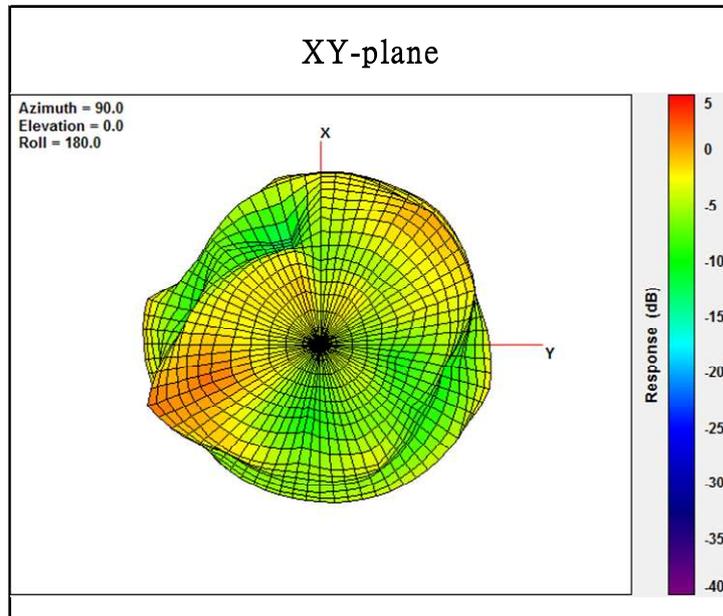
Antenna: 5850MHz



Center Frequency	<b>5850 MHz</b>
Three-dimensional (dBi) peak	3.59

# Radiation pattern open mode

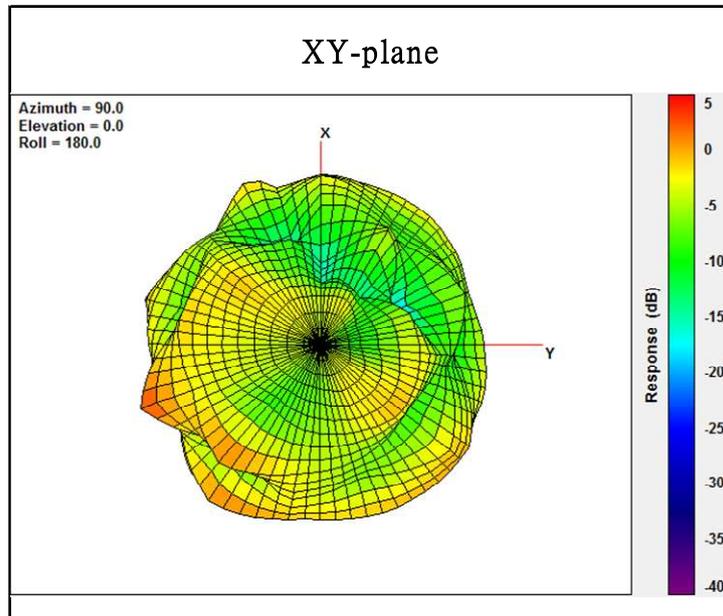
Antenna: 5895MHz



Center Frequency	<b>5895 MHz</b>
Three-dimensional (dBi) peak	2.52

# Radiation pattern open mode

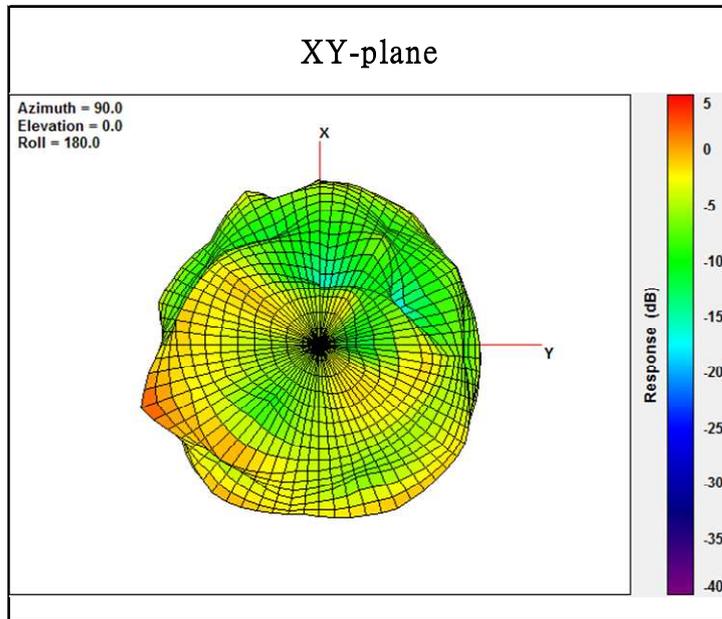
Antenna: 5925MHz



Center Frequency	<b>5925 MHz</b>
Three-dimensional (dBi) peak	4.13

# Radiation pattern open mode

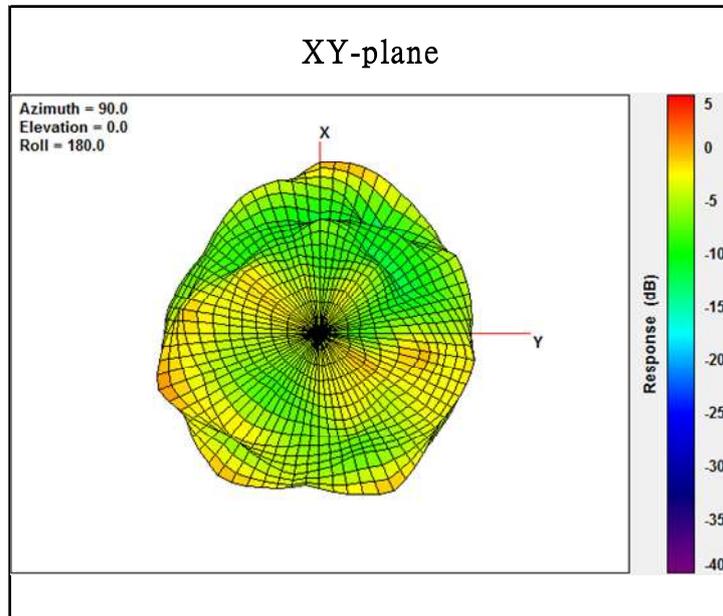
Antenna: 6000MHz



Center Frequency	<b>6000 MHz</b>
Three-dimensional (dBi) peak	3.69

# Radiation pattern open mode

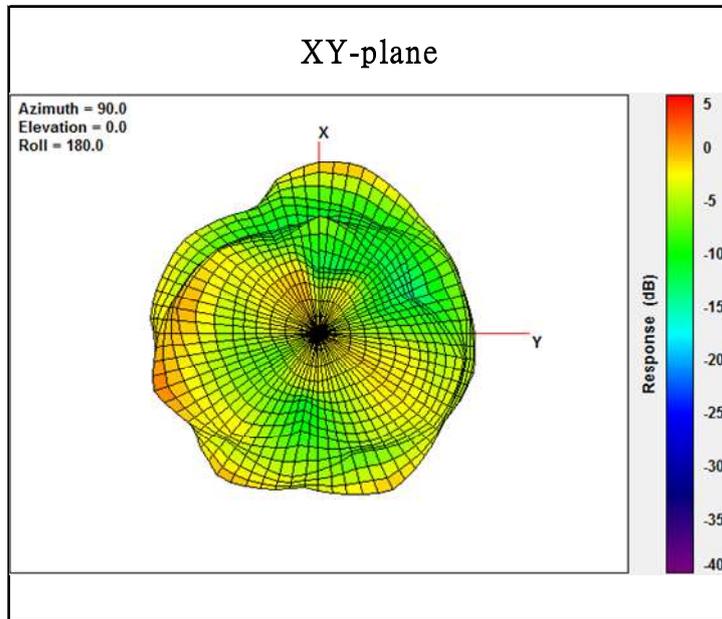
Antenna: 6125MHz



Center Frequency	<b>6125 MHz</b>
Three-dimensional (dBi) peak	1.82

# Radiation pattern open mode

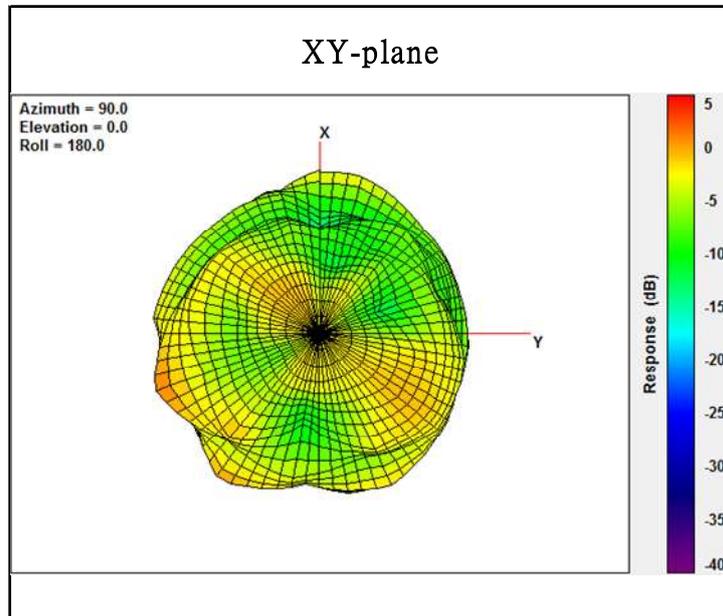
Antenna: 6225MHz



Center Frequency	<b>6225 MHz</b>
Three-dimensional (dBi) peak	2.50

# Radiation pattern open mode

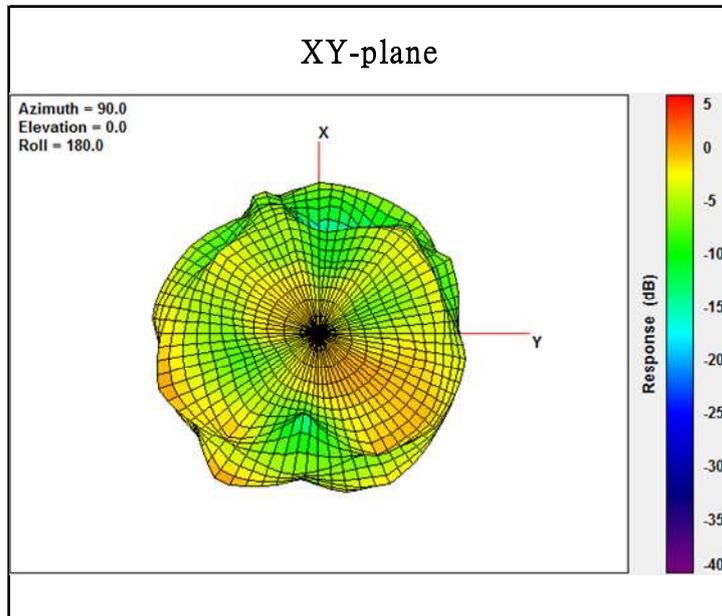
Antenna: 6325MHz



Center Frequency	<b>6325 MHz</b>
Three-dimensional (dBi) peak	2.37

# Radiation pattern open mode

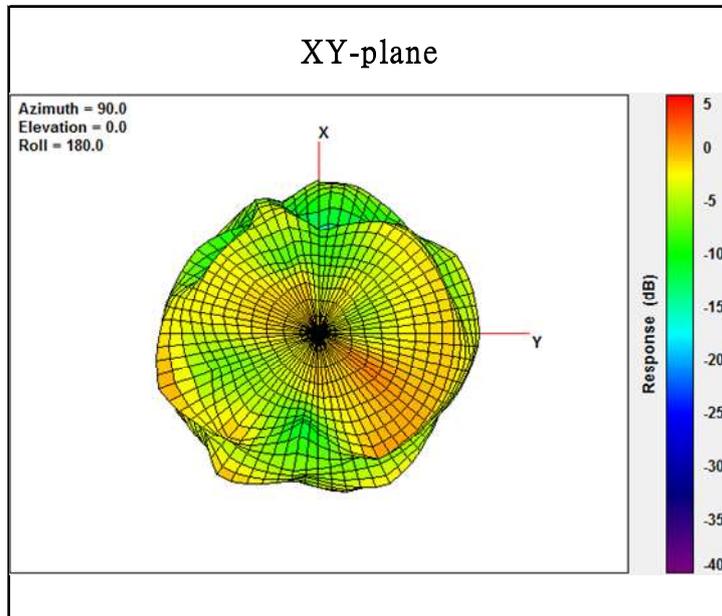
Antenna: 6425MHz



Center Frequency	<b>6425 MHz</b>
Three-dimensional (dBi) peak	1.86

# Radiation pattern open mode

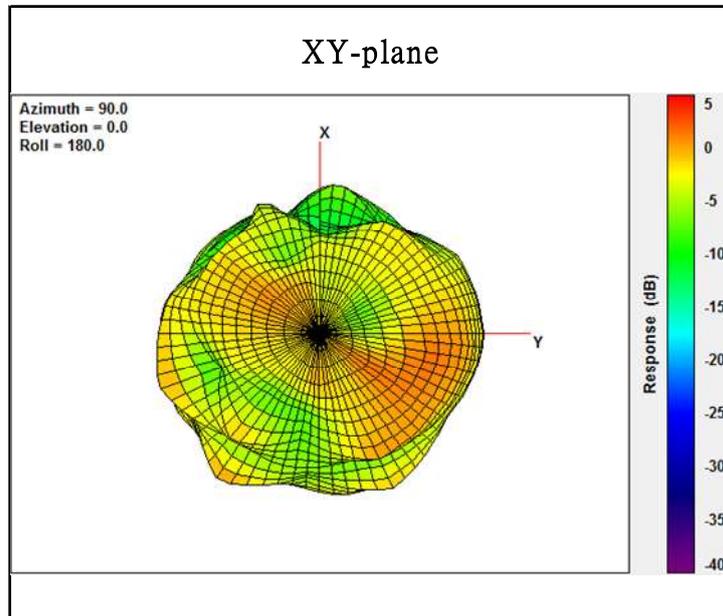
Antenna: 6525MHz



Center Frequency	<b>6525 MHz</b>
Three-dimensional (dBi) peak	1.97

# Radiation pattern open mode

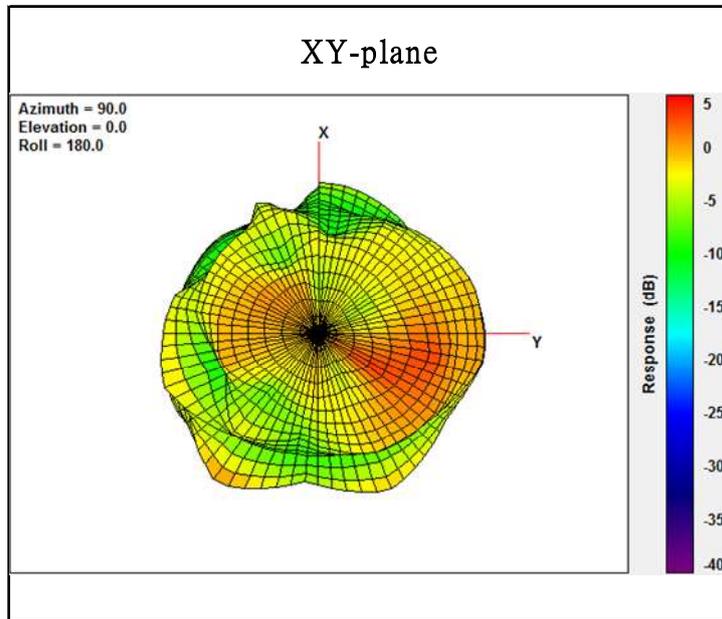
Antenna: 6625MHz



Center Frequency	<b>6625 MHz</b>
Three-dimensional (dBi) peak	2.10

# Radiation pattern open mode

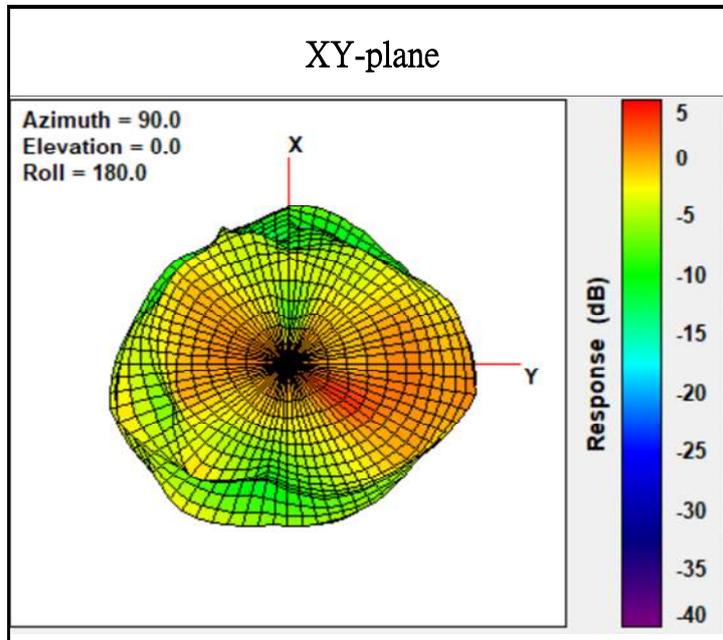
Antenna: 6725MHz



Center Frequency	<b>6725 MHz</b>
Three-dimensional (dBi) peak	3.91

# Radiation pattern open mode

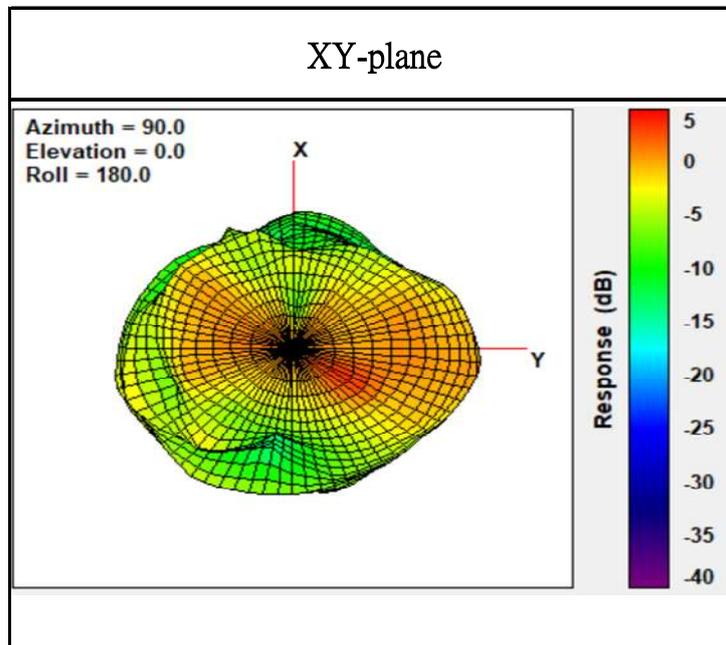
Antenna: 6875MHz



Center Frequency	<b>6875 MHz</b>
Three-dimensional (dBi) peak	4.47

# Radiation pattern open mode

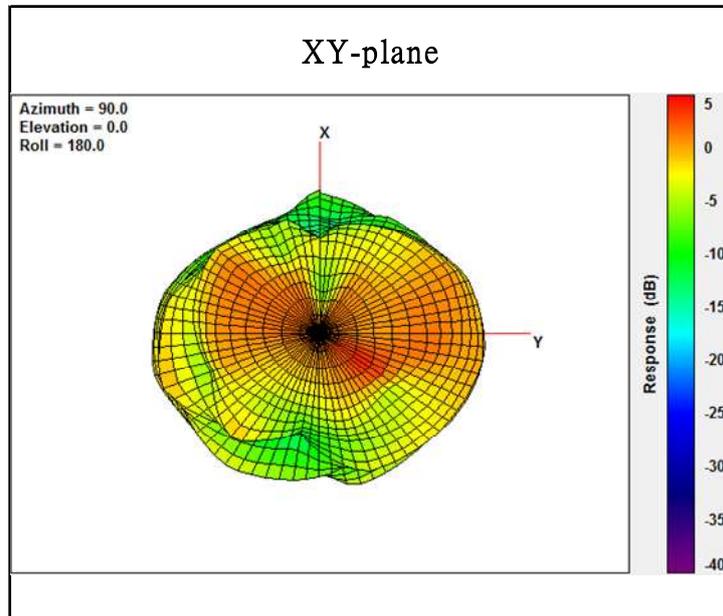
Antenna: 6925MHz



Center Frequency	<b>6925 MHz</b>
Three-dimensional (dBi) peak	4.31

# Radiation pattern open mode

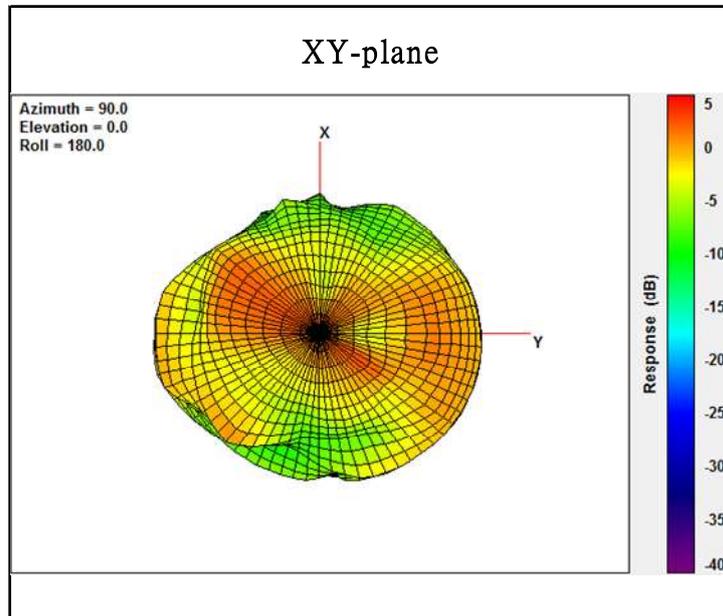
Antenna: 7000MHz



Center Frequency	<b>7000 MHz</b>
Three-dimensional (dBi) peak	4.62

# Radiation pattern open mode

Antenna: 7125MHz



Center Frequency	<b>7125 MHz</b>
Three-dimensional (dBi) peak	3.08

## Open Mode Gain Table (dBi)

	3D Peak Gain	3D Gain	Cable Loss
Frequency (MHZ)	Total (dBi)	Efficiency [%]	Loss (dBi)
2400	1.21	45.57	0.19
2412	1.29	46.38	0.19
2437	1.75	48.69	0.19
2450	1.83	49.58	0.20
2462	1.70	50.89	0.20
2500	2.12	52.56	0.20
5150	3.48	46.20	0.29
5250	3.14	52.69	0.30
5350	3.57	52.75	0.30
5470	3.56	45.34	0.30
5600	2.52	40.94	0.30
5725	3.03	46.07	0.31
5785	2.98	47.34	0.31
5850	3.59	51.13	0.31
5895	2.52	41.95	0.31
5925	4.13	48.04	0.31
6000	3.69	41.39	0.31
6125	1.82	36.47	0.31
6225	2.50	37.80	0.32

	3D Peak Gain	3D Gain	Cable Loss
Frequency (MHZ)	Total (dBi)	Efficiency [%]	Loss (dBi)
6325	2.37	37.19	0.32
6425	1.86	37.61	0.32
6525	1.97	37.97	0.32
6625	2.10	41.04	0.32
6725	3.91	38.82	0.32
6875	4.47	39.84	0.32
6925	4.31	35.78	0.32
7000	4.62	36.72	0.32
7125	3.08	36.58	0.32

# Assembly Drawing

