

Data Sheet

CUSTOMER: ASUS

MODEL NAME: B9403

CUSTOMER P/N: 14008-05430000

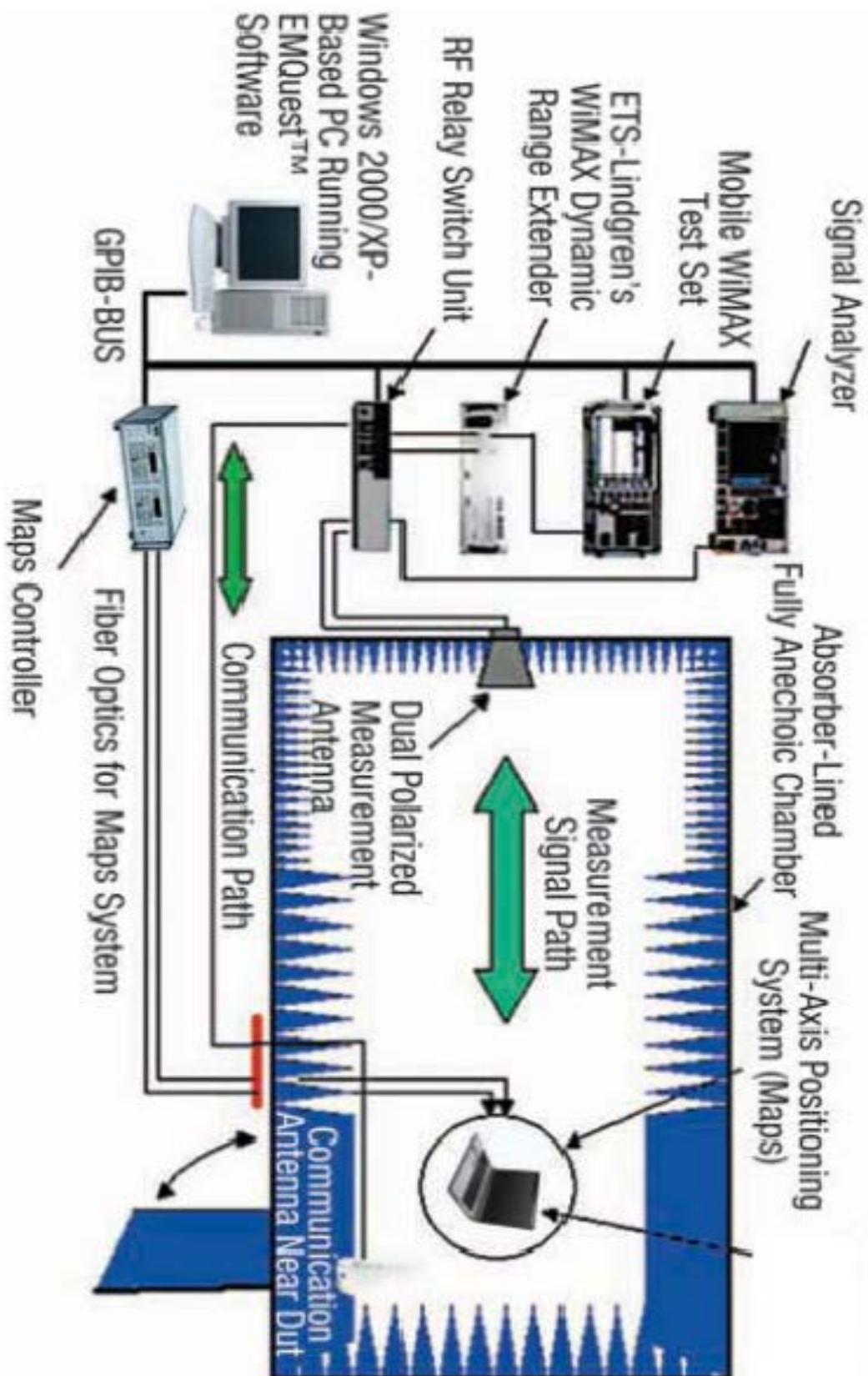
ICT P/N: LA9RF455-CS-H

APPROVED	
MANUFACTURER	CUSTOMER
PREPARED BY:	APPROVED BY:
CHECK BY:	
APPROVED BY:	

Description

Specifications

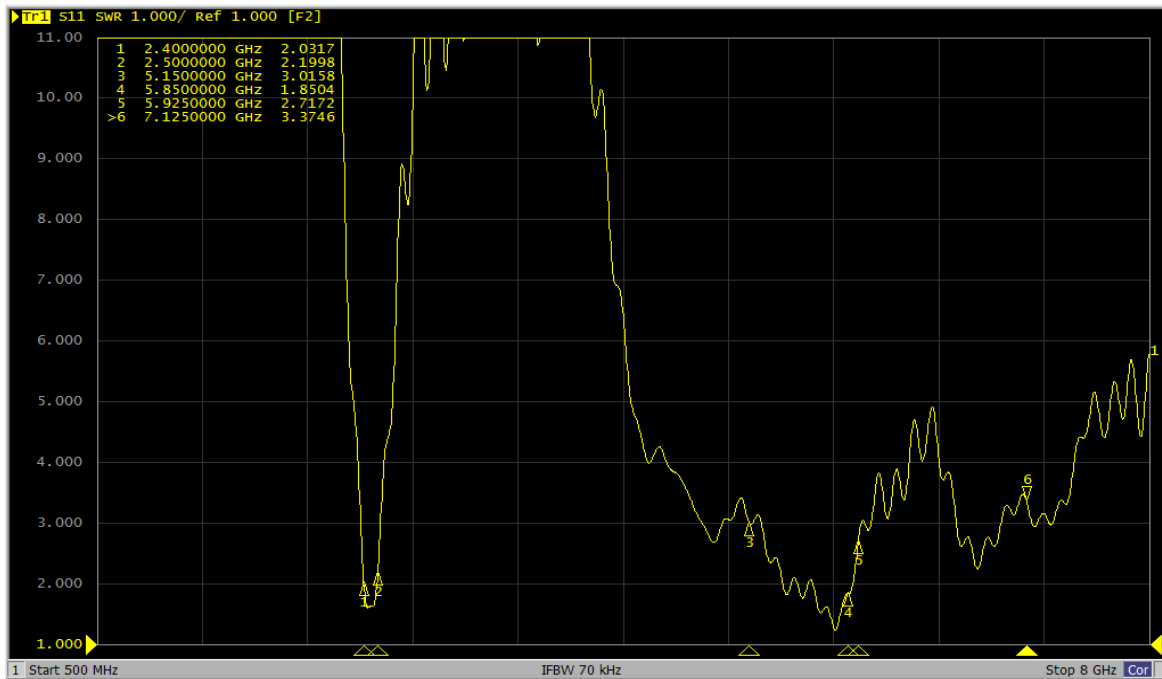
Antennas Type	PIFA Antenna for WLAN 802.11 a/b/g/ax application	
Connector Type	IPEX Connector for 1.13 cable	
Cable Type	LOW LOSS 1.13 RF Cable	
Impedance	50Ω	
Polarization	Linear	
Radiation pattern	Omni-directional	
Frequency Range	WLAN 802.11b/g	2.40~2.50 GHz
	WLAN 802.11a	5.15~5.85 GHz
	WLAN 802.11ax (Wi-Fi 6E)	5.925~7.125GHz
VSWR	WLAN 802.11b/g	3.00 Max
	WLAN 802.11a,ax	
Peak gain	WLAN 802.11b/g	Main : 2.90dBi
	WLAN 802.11a	Main : 4.18dBi
	WLAN 802.11ax (Wi-Fi 6E)	Main : 4.12 dBi
Cable Loss	WLAN 802.11 b/g	Main : 0.39dB
	WLAN 802.11 a	Main : 0.62dB
	WLAN 802.11ax (Wi-Fi 6E)	Main : 0.64dB
Cable length/Color	Main : 163mm	Main : Black



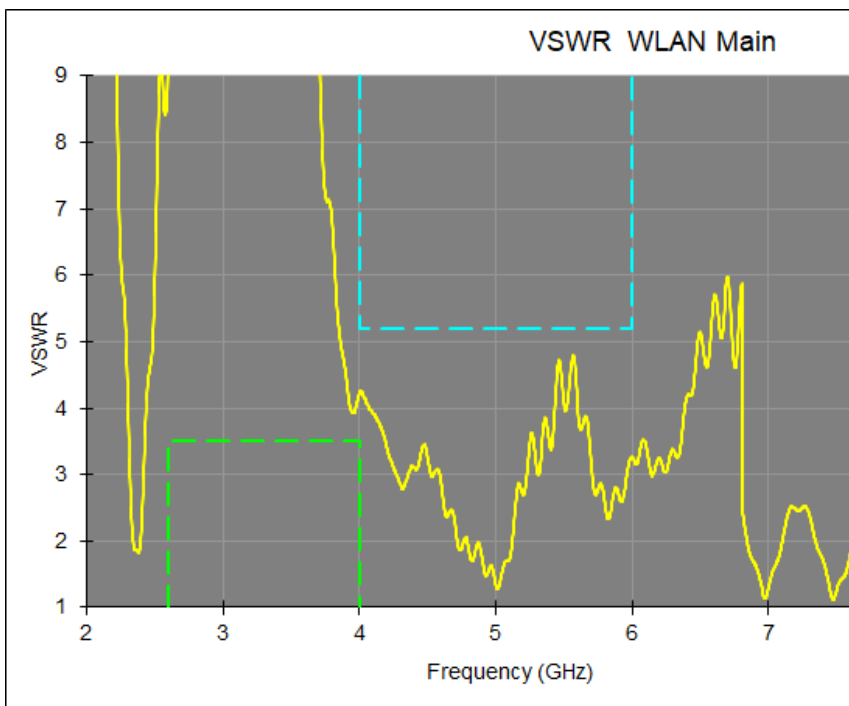
Performance Data

1. VSWR

WLAN Main



2. SPEC



Spec:

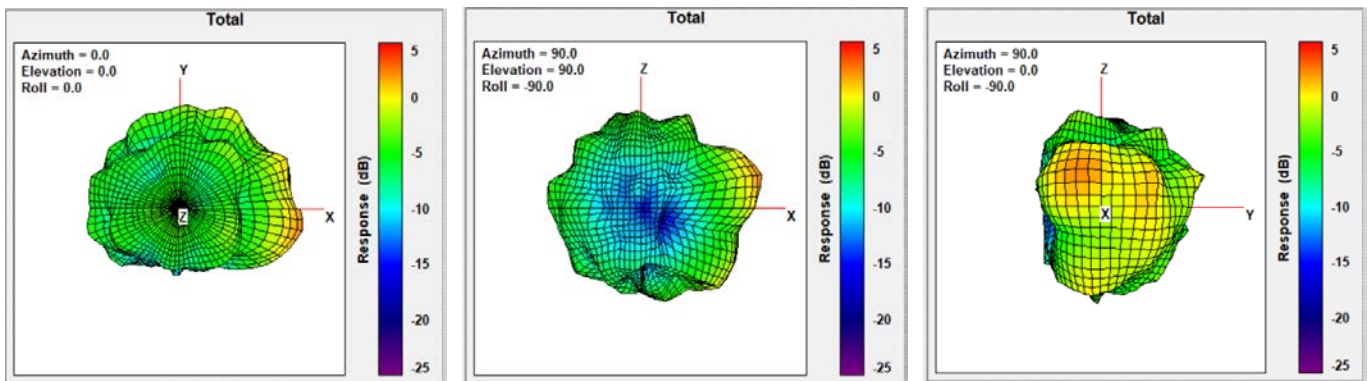
2.6~ 4 GHz > 3.5

4~5 GHz < 5.2

WLAN Main

Radiation pattern open mode

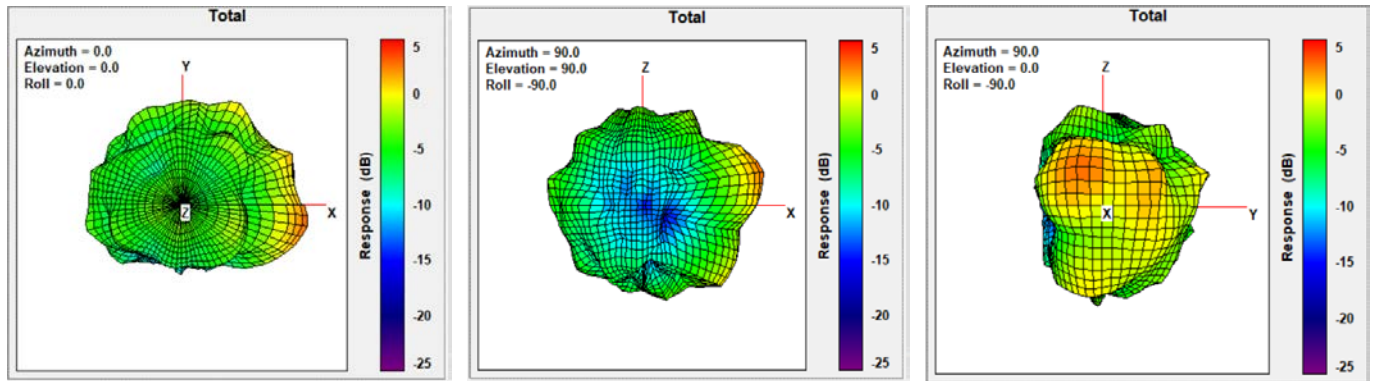
Antenna: 2400MHz



Center Frequency	2400 MHz
Three-dimensional (dBi) peak	2.42

Radiation pattern open mode

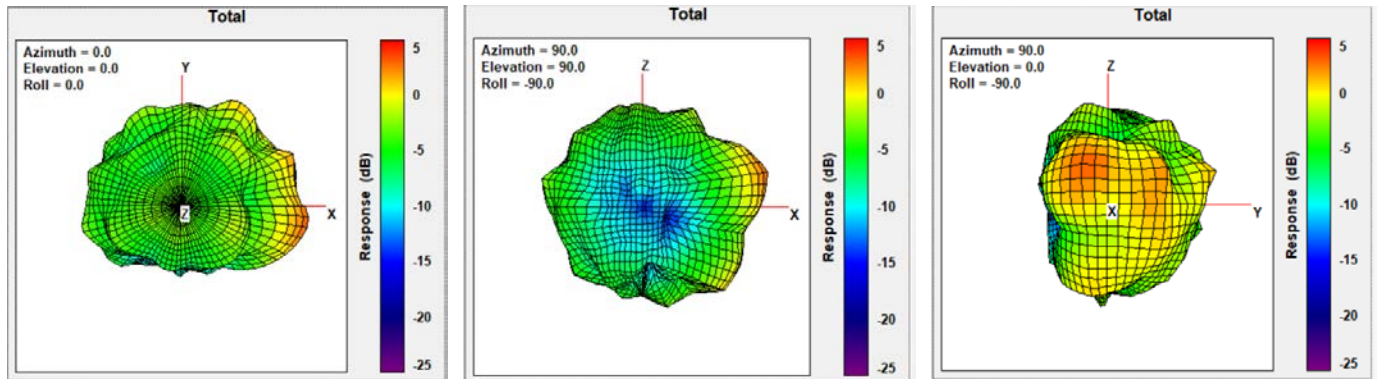
Antenna: 2412MHz



Center Frequency	2412 MHz
Three-dimensional (dBi) peak	2.90

Radiation pattern open mode

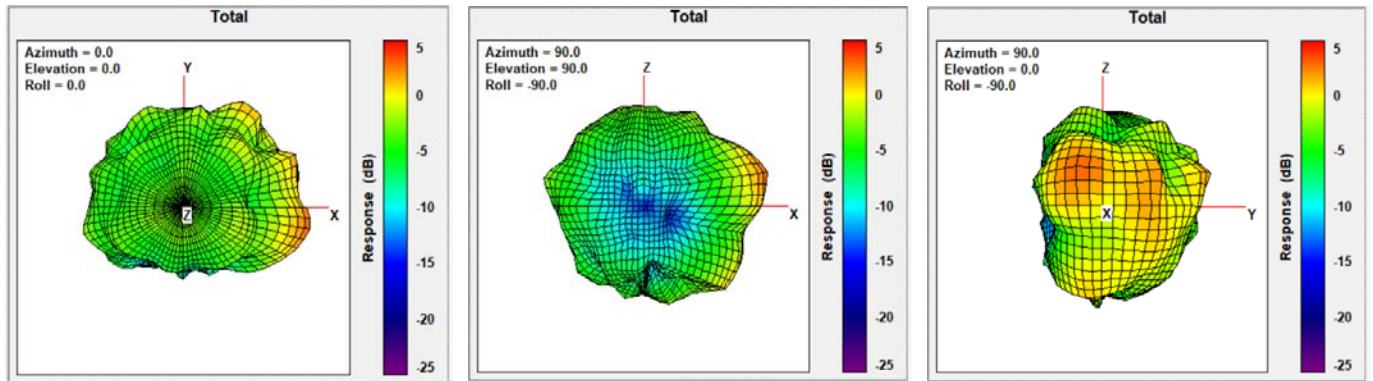
Antenna: 2437MHz



Center Frequency	2437 MHz
Three-dimensional (dBi) peak	2.73

Radiation pattern open mode

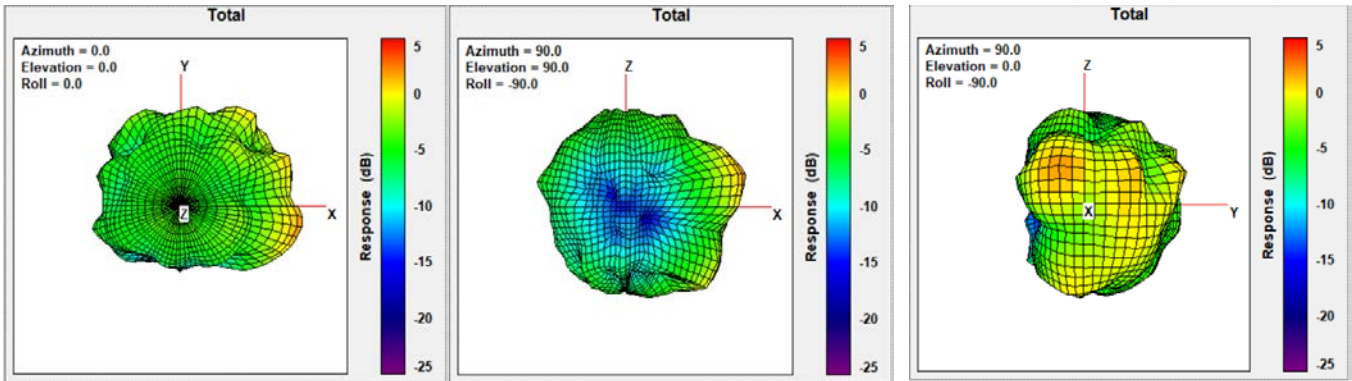
Antenna: 2462MHz



Center Frequency	2462 MHz
Three-dimensional (dBi) peak	2.67

Radiation pattern open mode

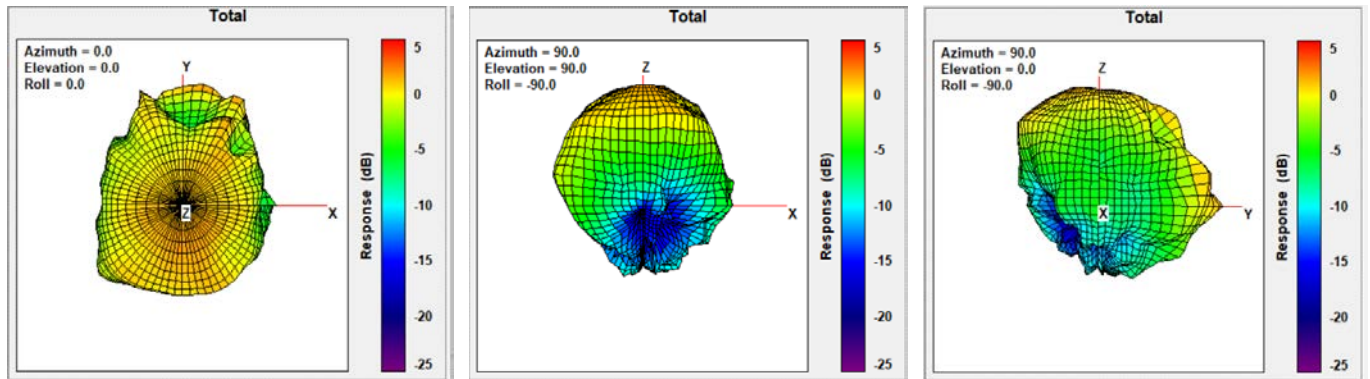
Antenna: 2500MHz



Center Frequency	2500 MHz
Three-dimensional (dBi) peak	2.53

Radiation pattern open mode

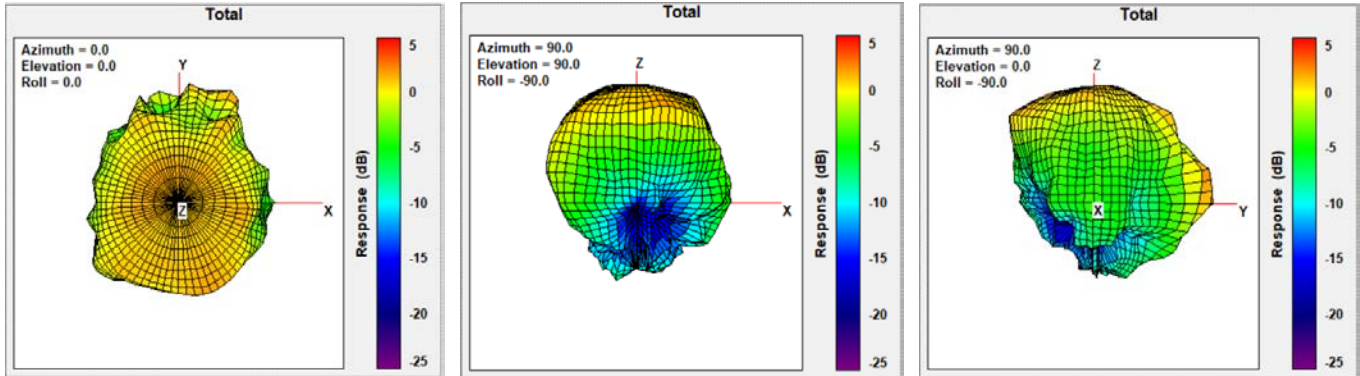
Antenna: 5150MHz



Center Frequency	5150 MHz
Three-dimensional (dBi) peak	3.51

Radiation pattern open mode

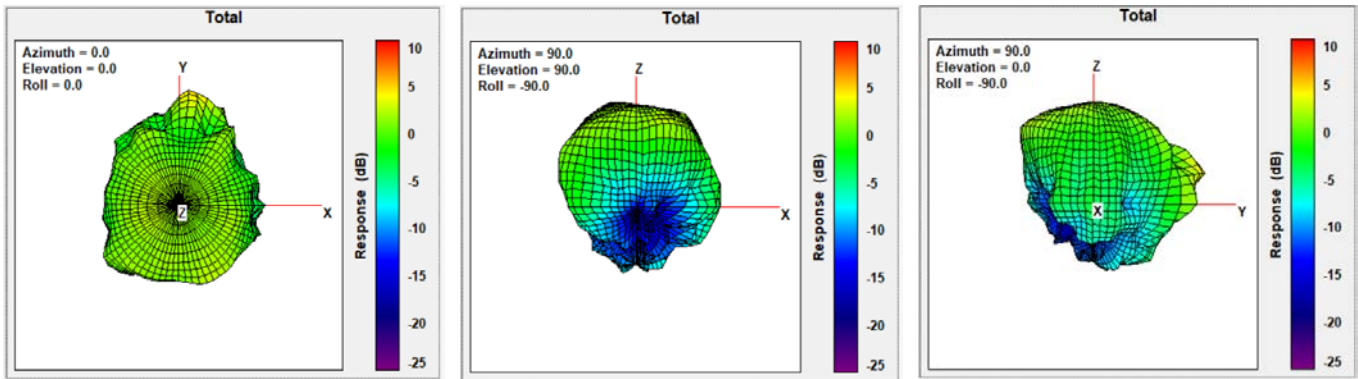
Antenna: 5250MHz



Center Frequency	5250 MHz
Three-dimensional (dBi) peak	3.27

Radiation pattern open mode

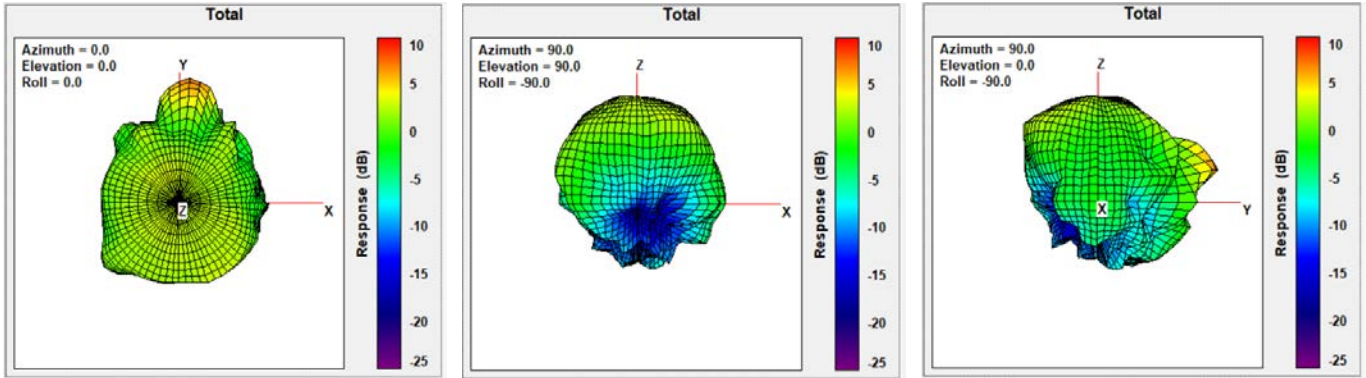
Antenna: 5350MHz



Center Frequency	5350 MHz
Three-dimensional (dBi) peak	3.06

Radiation pattern open mode

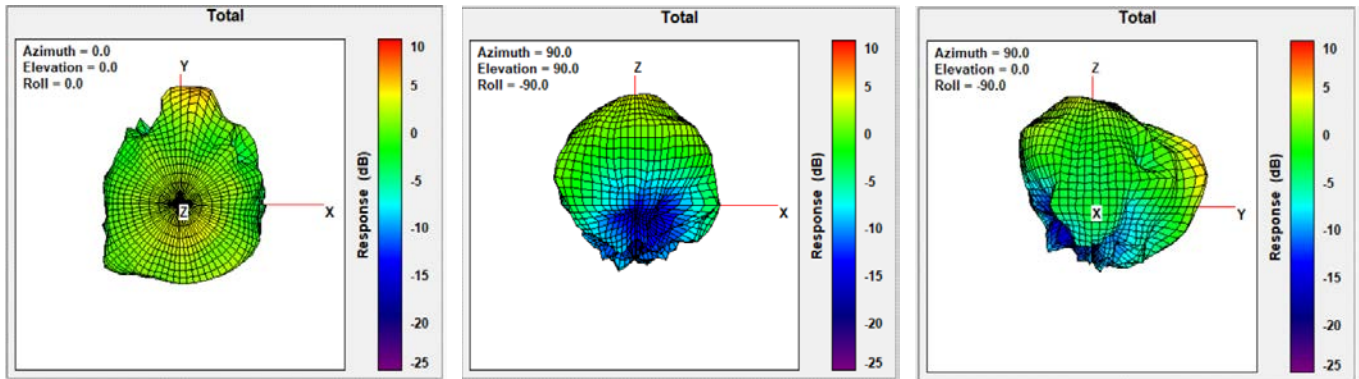
Antenna: 5470MHz



Center Frequency	5470 MHz
Three-dimensional (dBi) peak	3.32

Radiation pattern open mode

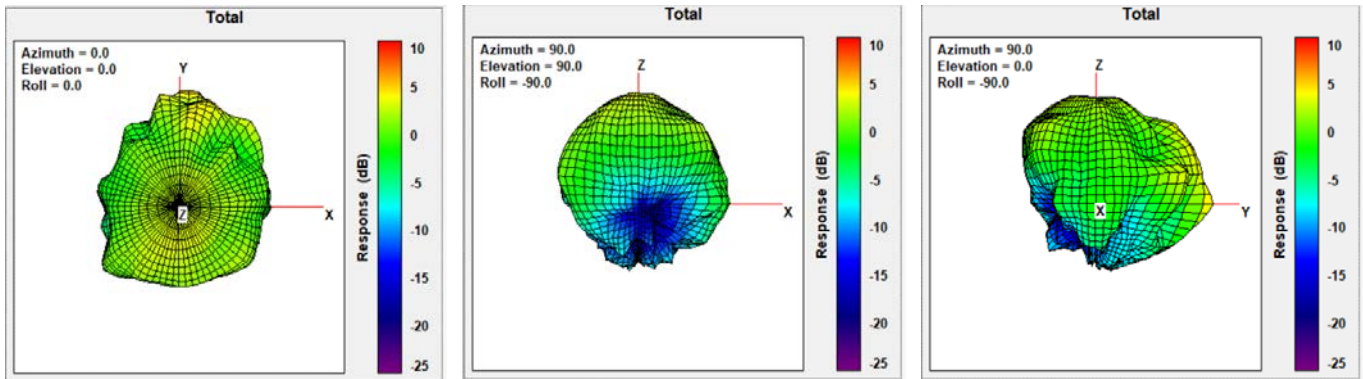
Antenna: 5600MHz



Center Frequency	5600 MHz
Three-dimensional (dBi) peak	3.62

Radiation pattern open mode

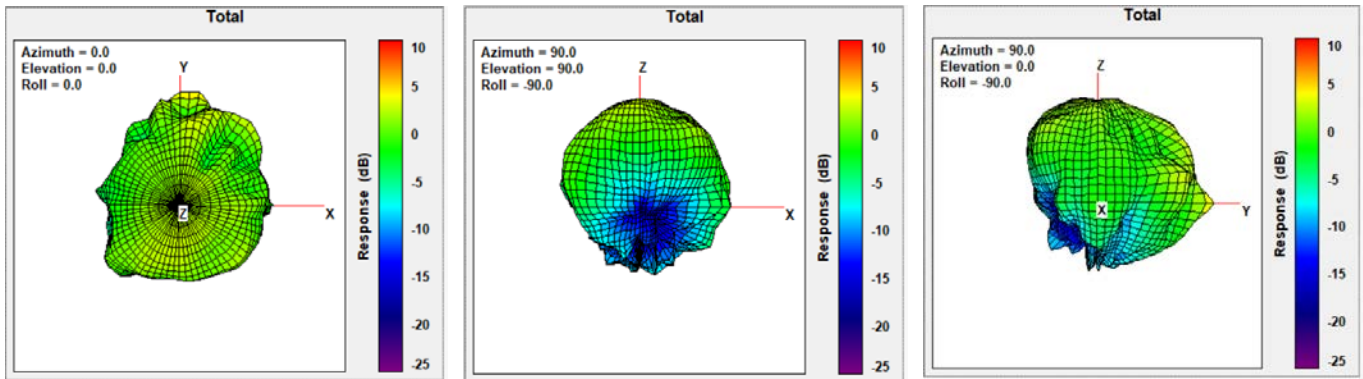
Antenna: 5725MHz



Center Frequency	5725 MHz
Three-dimensional (dBi) peak	4.18

Radiation pattern open mode

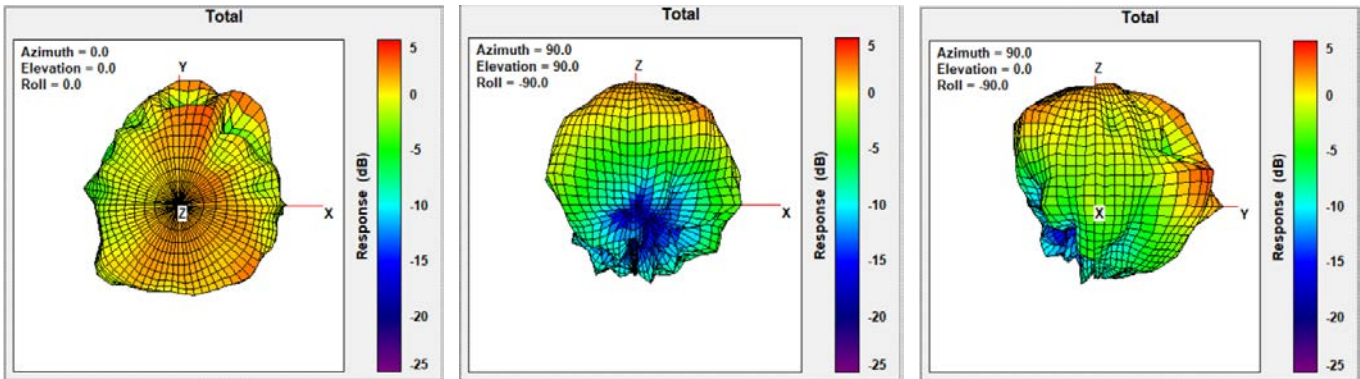
Antenna: 5785MHz



Center Frequency	5785 MHz
Three-dimensional (dBi) peak	3.38

Radiation pattern open mode

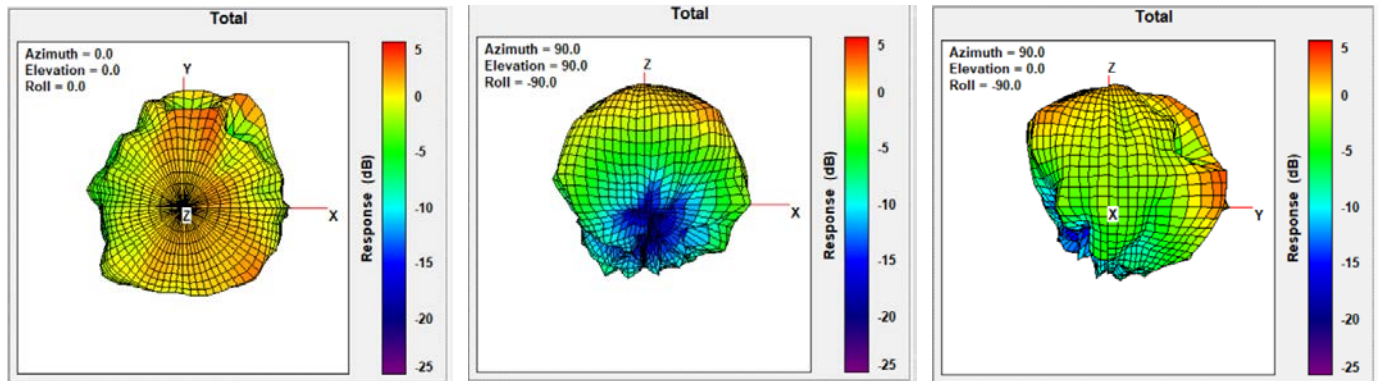
Antenna: 5850MHz



Center Frequency	5850 MHz
Three-dimensional (dBi) peak	3.62

Radiation pattern open mode

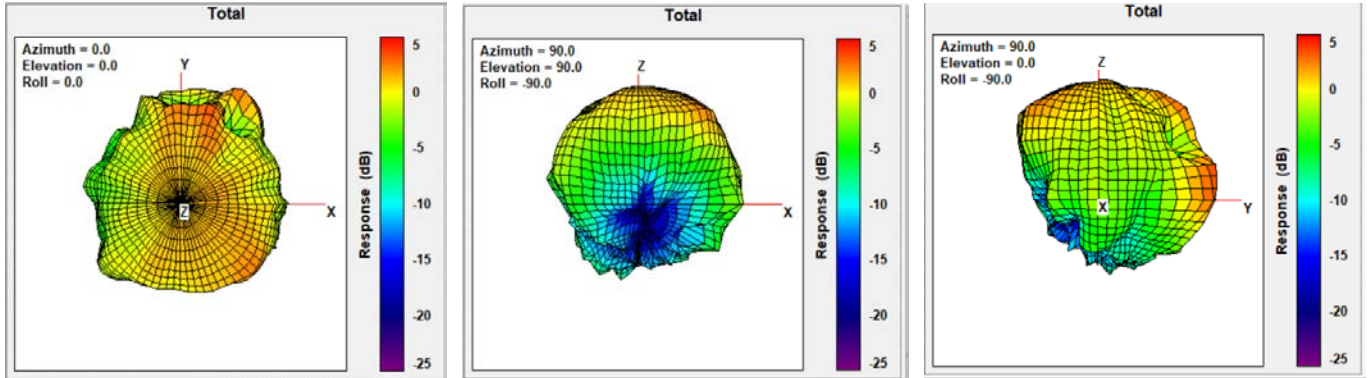
Antenna: 5895MHz



Center Frequency	5895 MHz
Three-dimensional (dBi) peak	3.33

Radiation pattern open mode

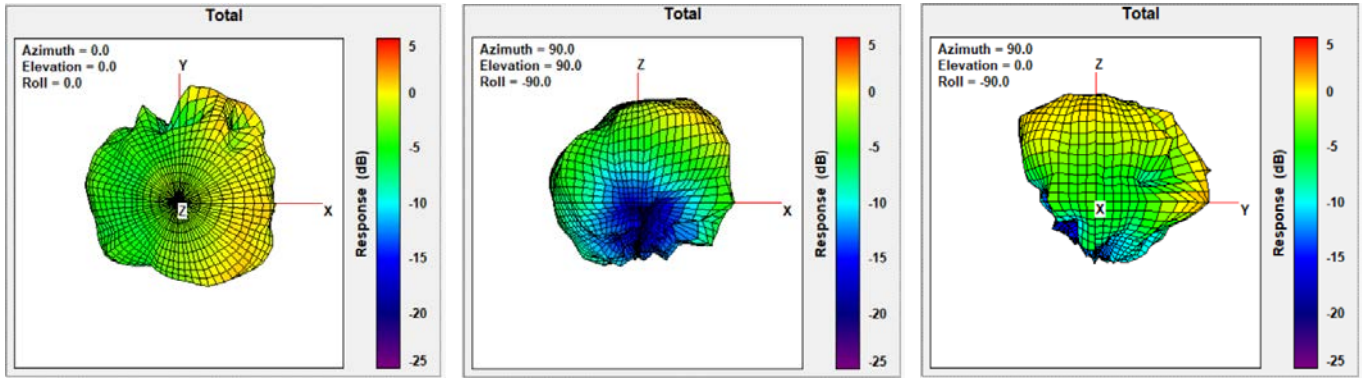
Antenna: 5925MHz



Center Frequency	5925 MHz
Three-dimensional (dBi) peak	3.50

Radiation pattern open mode

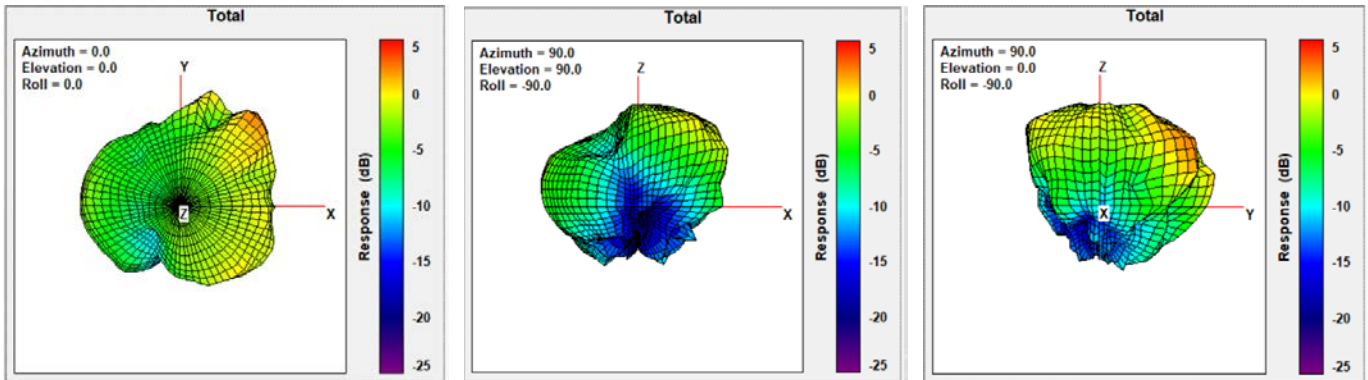
Antenna: 6125MHz



Center Frequency	6125 MHz
Three-dimensional (dBi) peak	4.12

Radiation pattern open mode

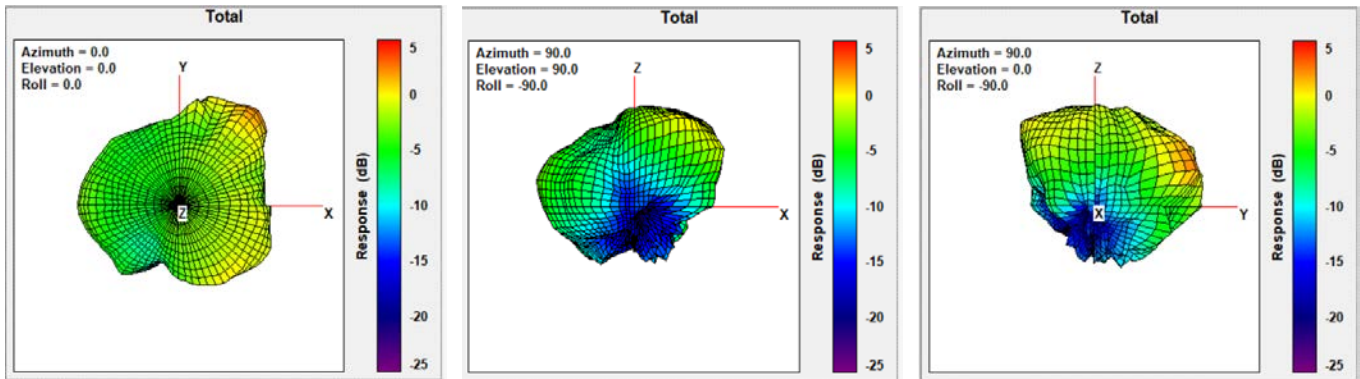
Antenna: 6425MHz



Center Frequency	6425 MHz
Three-dimensional (dBi) peak	3.96

Radiation pattern open mode

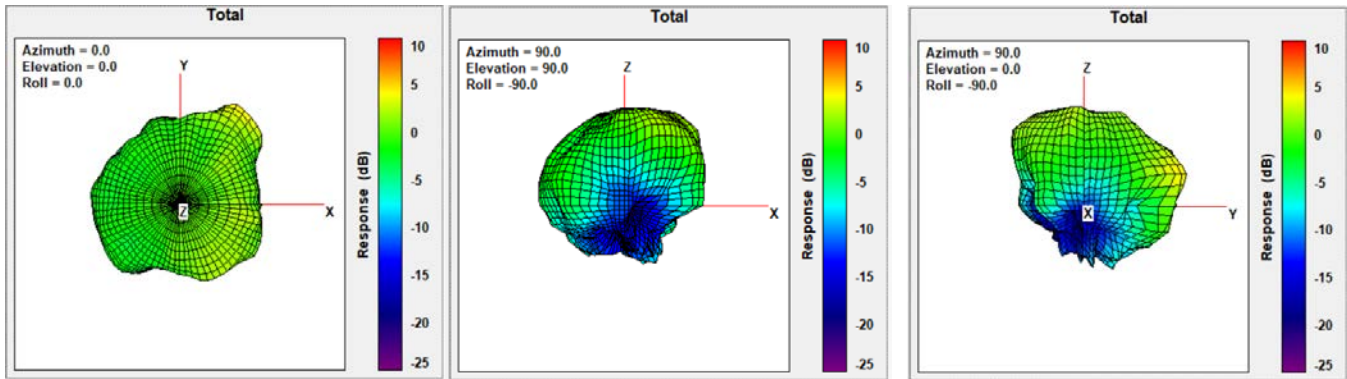
Antenna: 6525MHz



Center Frequency	6525 MHz
Three-dimensional (dBi) peak	3.81

Radiation pattern open mode

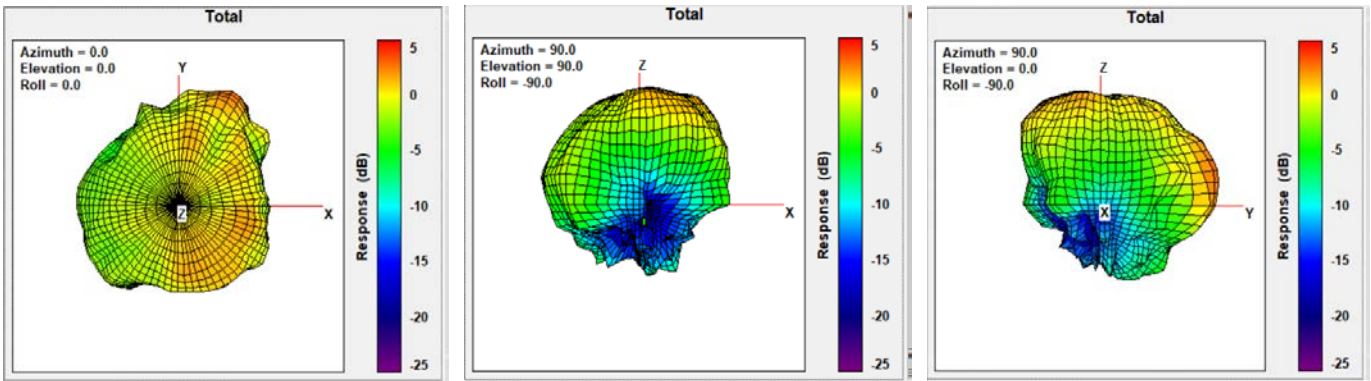
Antenna: 6725MHz



Center Frequency	6725 MHz
Three-dimensional (dBi) peak	4.10

Radiation pattern open mode

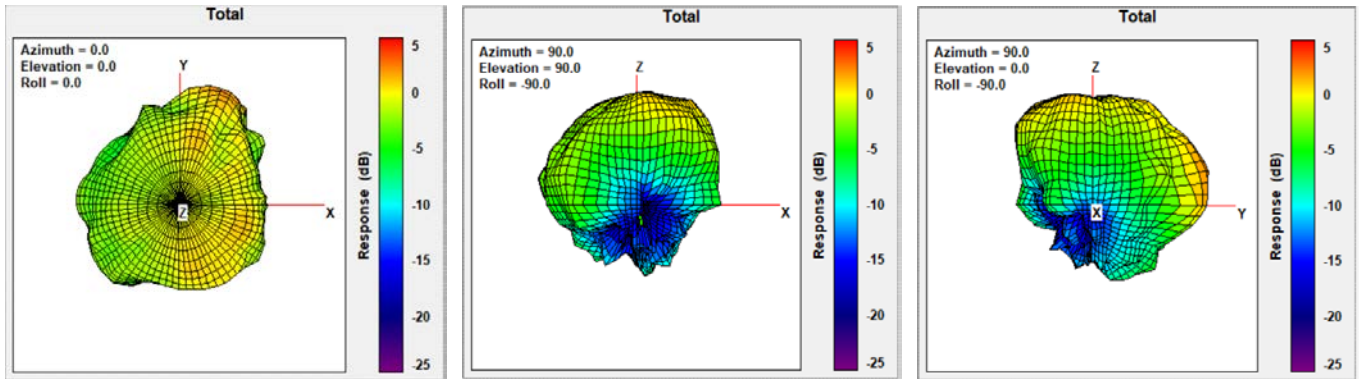
Antenna: 6875MHz



Center Frequency	6875 MHz
Three-dimensional (dBi) peak	3.73

Radiation pattern open mode

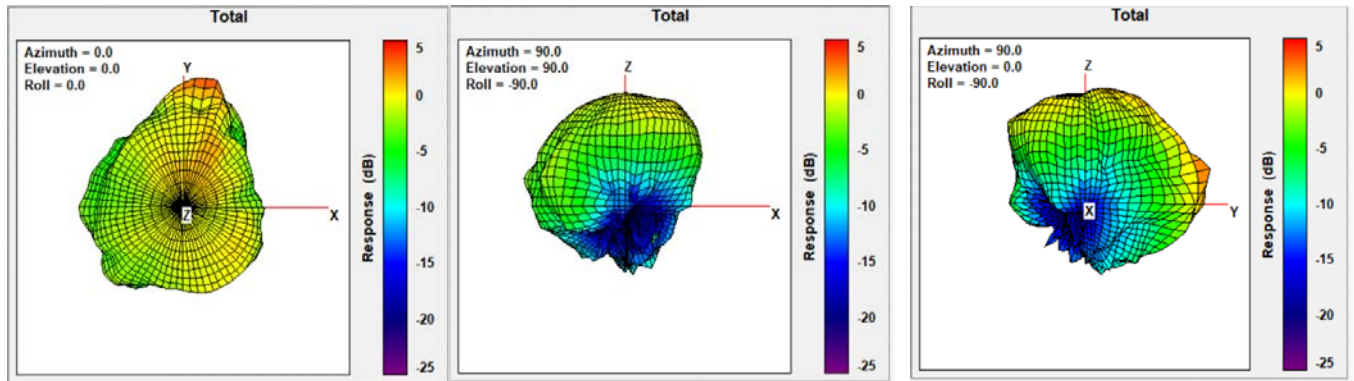
Antenna: 6925MHz



Center Frequency	6925 MHz
Three-dimensional (dBi) peak	3.33

Radiation pattern open mode

Antenna: 7125MHz



Center Frequency	7125 MHz
Three-dimensional (dBi) peak	3.16

WLAN Main

Frequency (MHz)	3D Peak Gain Total (dBi)	3D Gain Efficiency {%}	Cable Loss Loss (dB)
2400	2.42	27%	0.39
2412	2.90	33%	0.39
2437	2.73	35%	0.39
2462	2.67	29%	0.40
2500	2.53	28%	0.40
5150	3.51	35%	0.59
5250	3.27	33%	0.60
5350	3.06	38%	0.60
5470	3.32	39%	0.61
5600	3.62	42%	0.62
5725	4.18	45%	0.62
5785	3.38	43%	0.62
5850	3.62	39%	0.63
5895	3.33	37%	0.63
5925	3.50	34%	0.63
6125	4.12	24%	0.64
6425	3.96	20%	0.65
6525	3.81	23%	0.65
6725	4.10	34%	0.65
6875	3.73	36%	0.65
6925	3.33	34%	0.65
7125	3.16	32%	0.65

Assembly Drawing

WLAN Main

