

Data Sheet

CUSTOMER: ASUS

MODEL NAME: B9403

CUSTOMER P/N: 14008-05430100

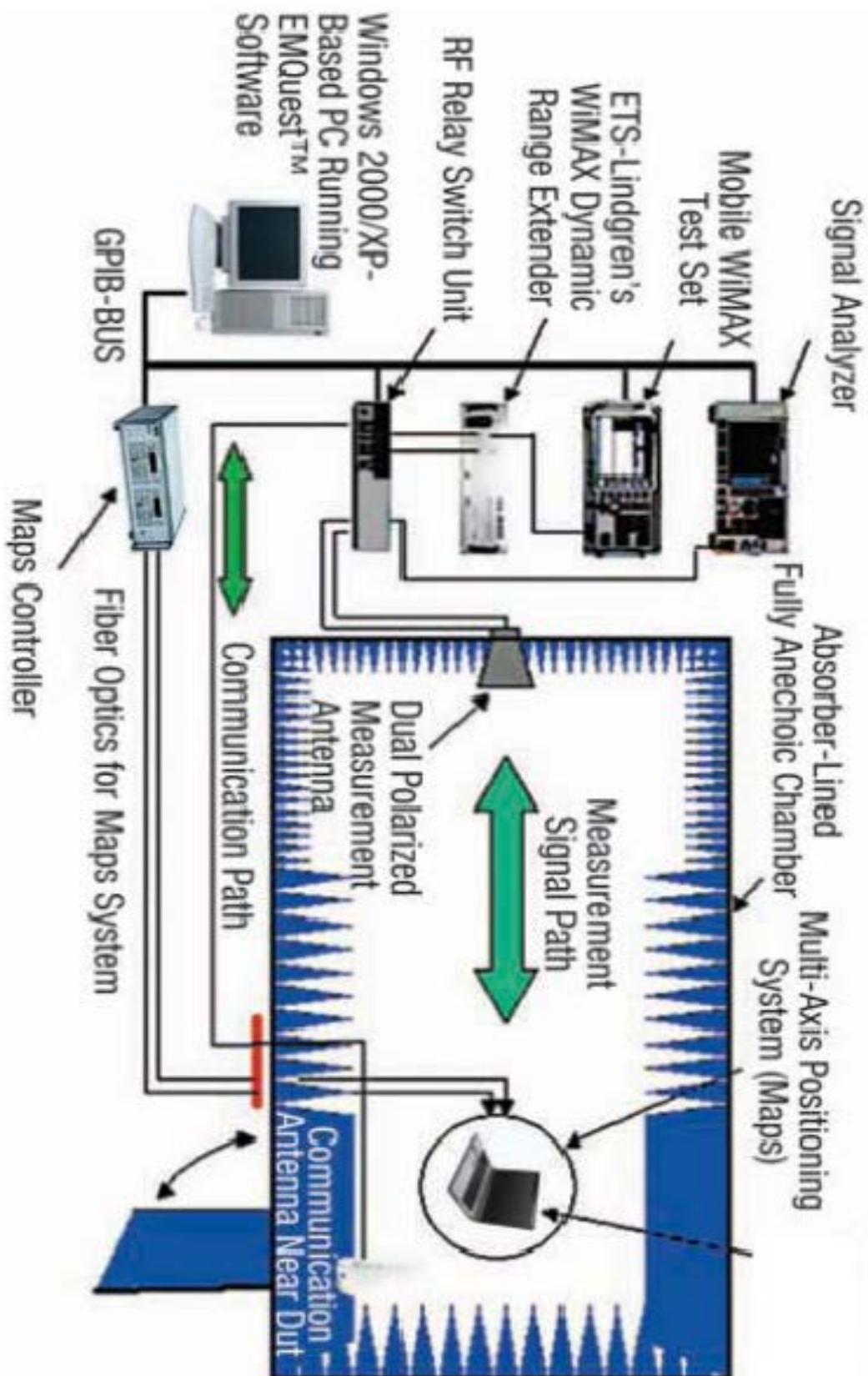
ICT P/N: LA9RF456-CS-H

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

Description

Specifications

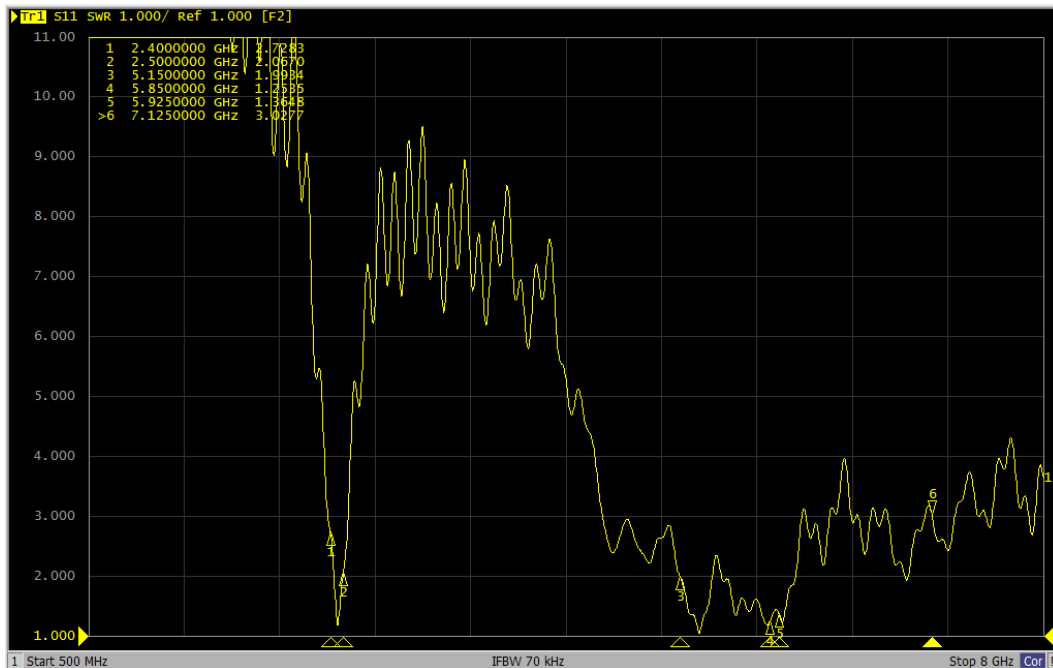
Antennas Type	PIFA Antenna for WLAN 802.11 a/b/g/ax application	
Connector Type	IPEX Connector for 1.13 cable	
Cable Type	LOW LOSS 1.13 RF Cable	
Impedance	50Ω	
Polarization	Linear	
Radiation pattern	Omni-directional	
Frequency Range	WLAN 802.11b/g	2.40~2.50 GHz
	WLAN 802.11a	5.15~5.85 GHz
	WLAN 802.11ax (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	Aux: 2.60dBi
	WLAN 802.11a	Aux: 4.64dBi
	WLAN 802.11ax (Wi-Fi 6E)	Aux: 4.68dBi
Cable Loss	WLAN 802.11 b/g	Aux: 0.75dB
	WLAN 802.11 a	Aux: 1.18dB
	WLAN 802.11ax (Wi-Fi 6E)	Aux: 1.19dB
Cable length/Color	Aux : 308mm	Aux: White



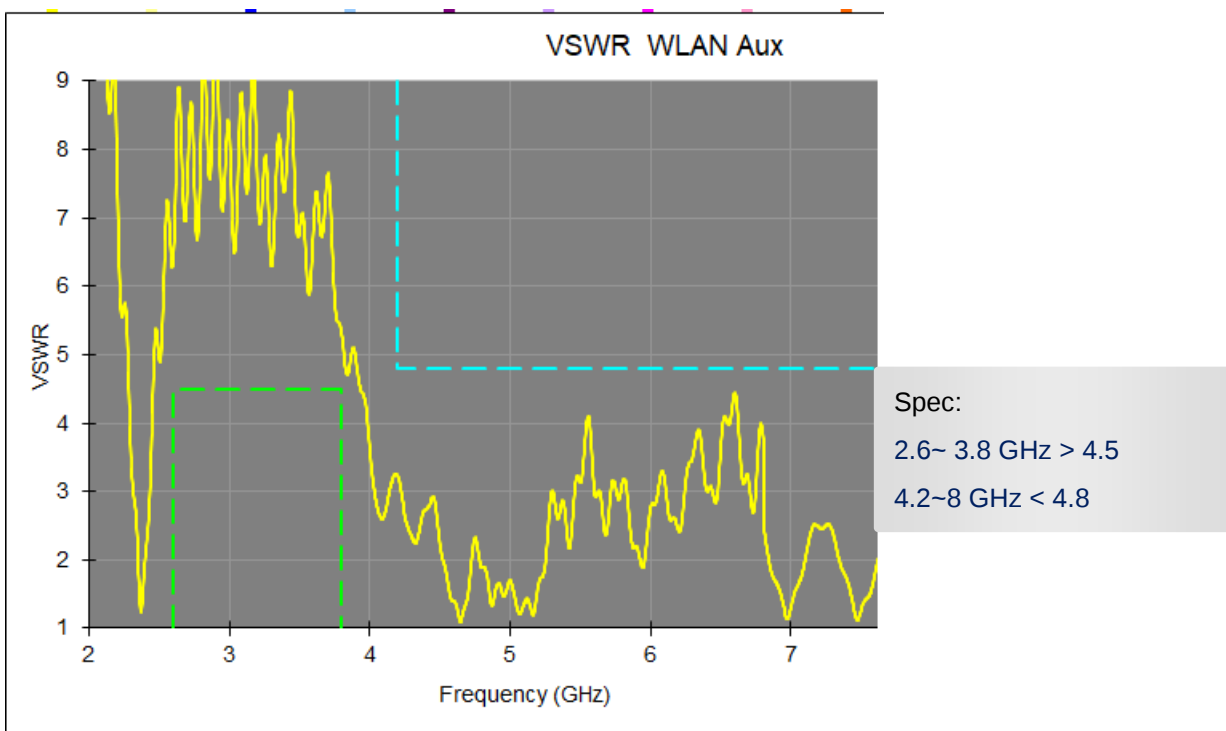
Performance Data

1. VSWR

WLAN Aux



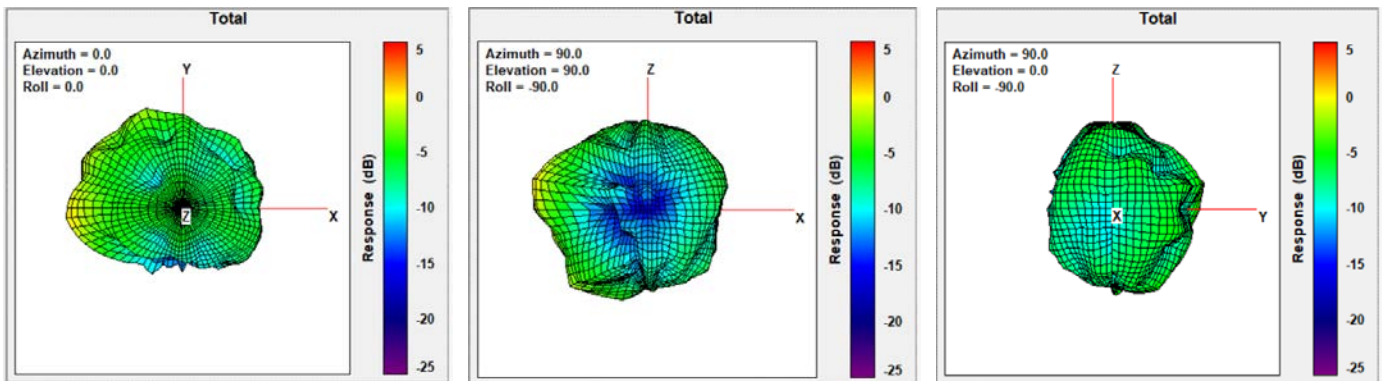
2. SPEC



WLAN Aux

Radiation pattern open mode

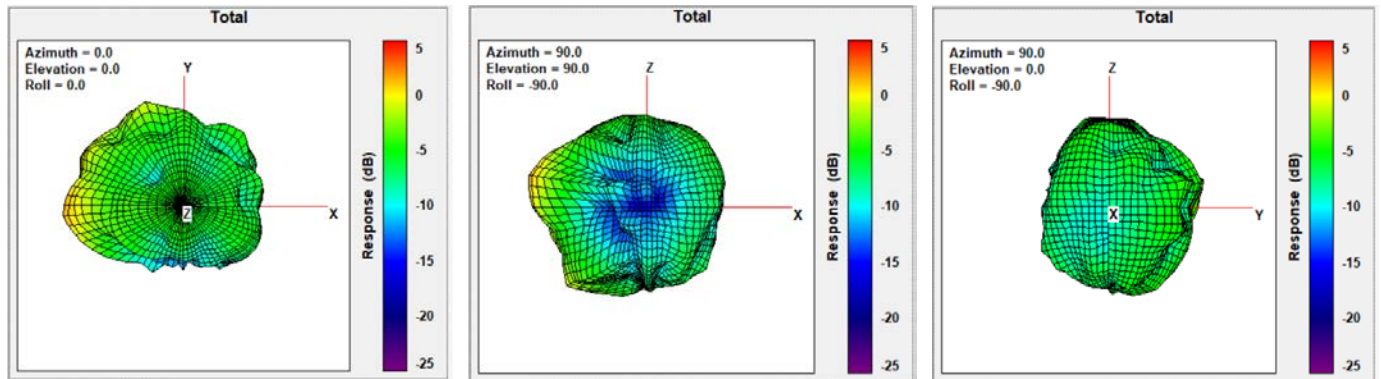
Antenna: 2400MHz



Center Frequency	2400 MHz
Three-dimensional (dBi) peak	1.38

Radiation pattern open mode

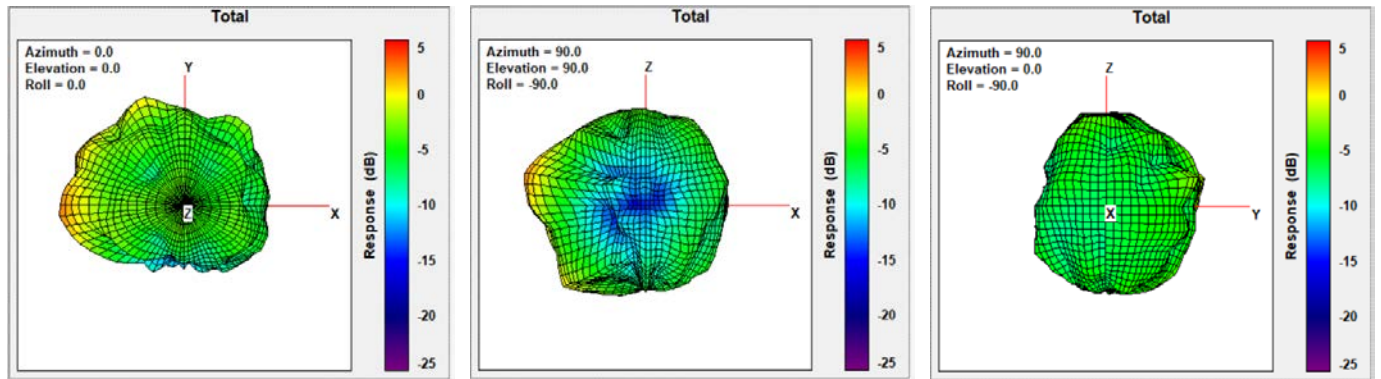
Antenna: 2412MHz



Center Frequency	2412 MHz
Three-dimensional (dBi) peak	1.55

Radiation pattern open mode

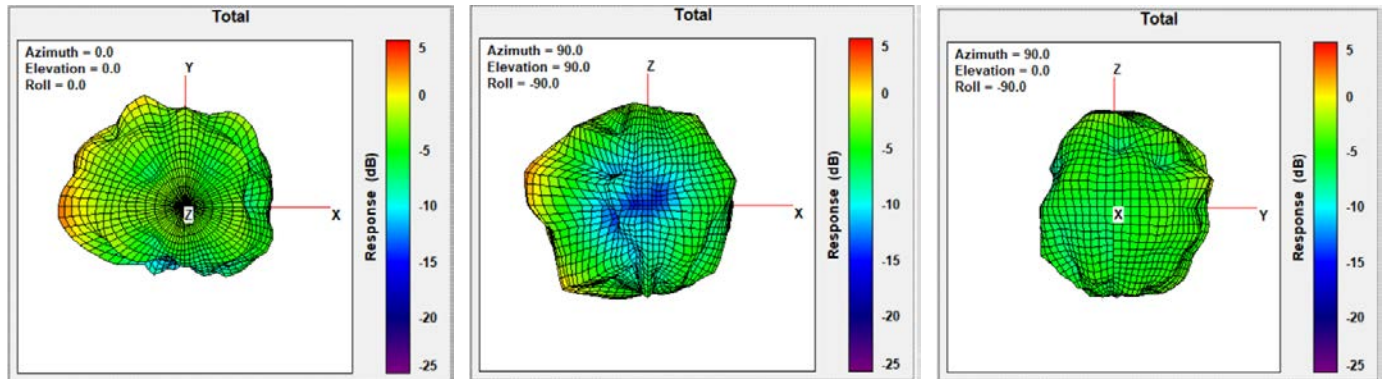
Antenna: 2437MHz



Center Frequency	2437 MHz
Three-dimensional (dBi) peak	2.43

Radiation pattern open mode

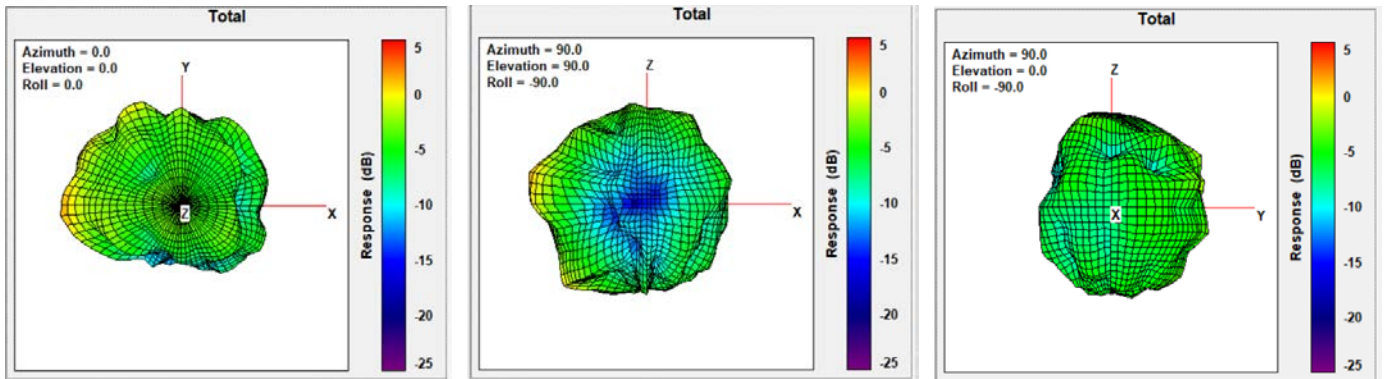
Antenna: 2462MHz



Center Frequency	2462 MHz
Three-dimensional (dBi) peak	2.60

Radiation pattern open mode

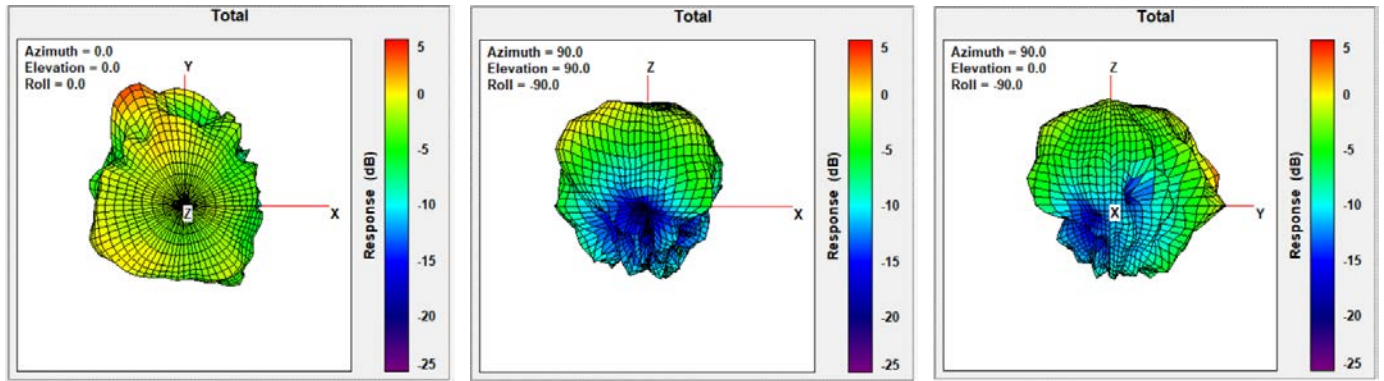
Antenna: 2500MHz



Center Frequency	2500 MHz
Three-dimensional (dBi) peak	2.05

Radiation pattern open mode

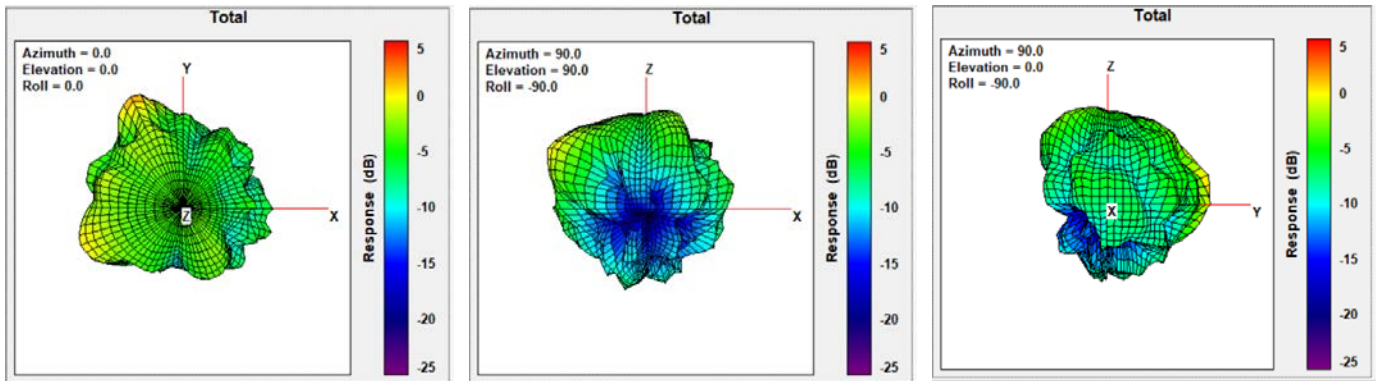
Antenna: 5150MHz



Center Frequency	5150 MHz
Three-dimensional (dBi) peak	2.69

Radiation pattern open mode

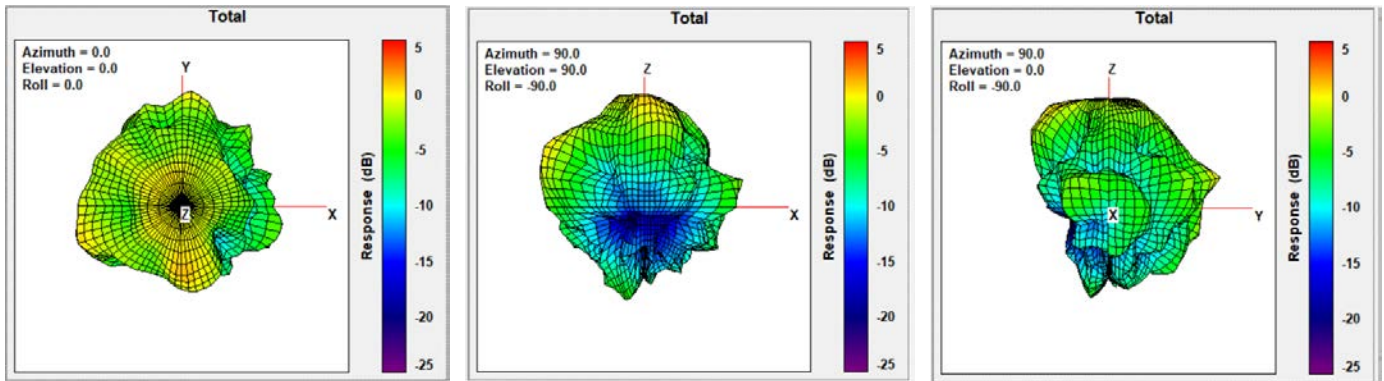
Antenna: 5250MHz



Center Frequency	5250 MHz
Three-dimensional (dBi) peak	2.95

Radiation pattern open mode

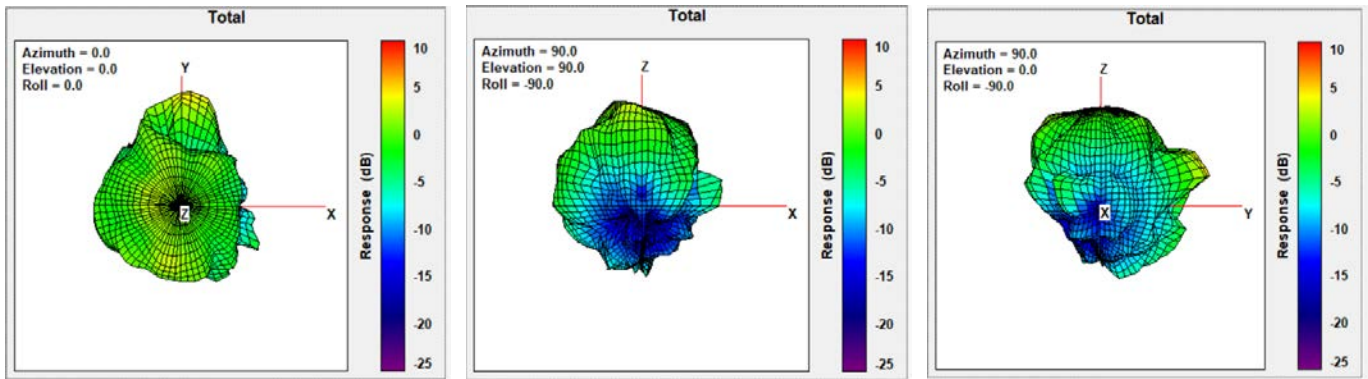
Antenna: 5350MHz



Center Frequency	5350 MHz
Three-dimensional (dBi) peak	2.92

Radiation pattern open mode

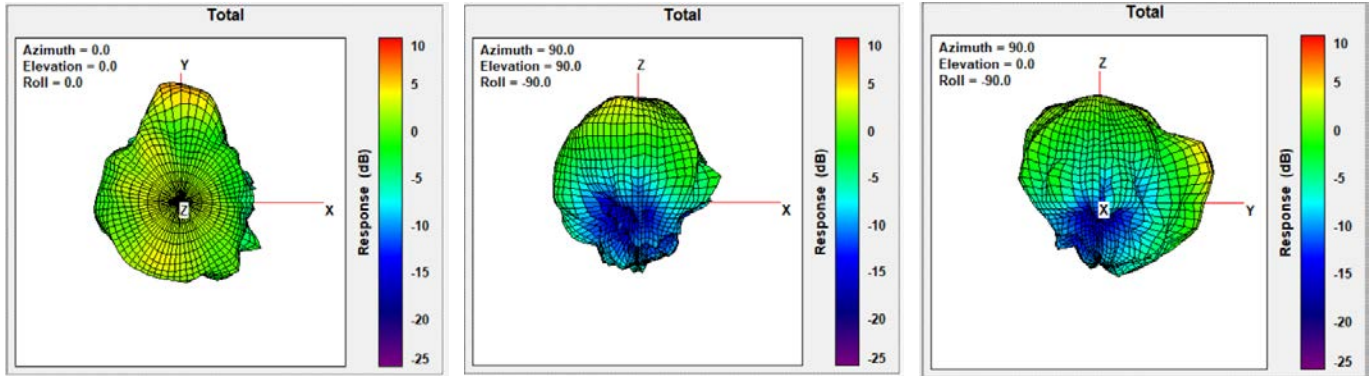
Antenna: 5470MHz



Center Frequency	5470 MHz
Three-dimensional (dBi) peak	3.28

Radiation pattern open mode

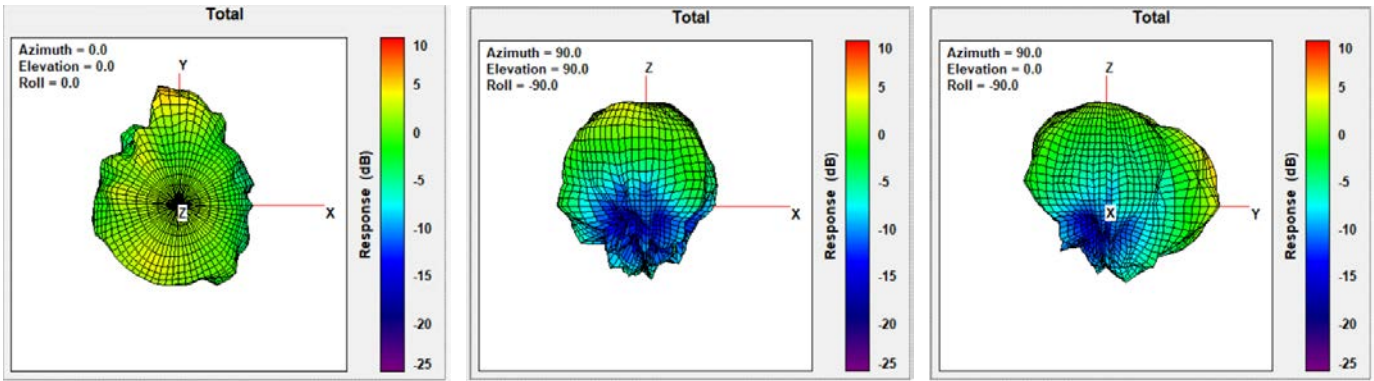
Antenna: 5600MHz



Center Frequency	5600 MHz
Three-dimensional (dBi) peak	3.99

Radiation pattern open mode

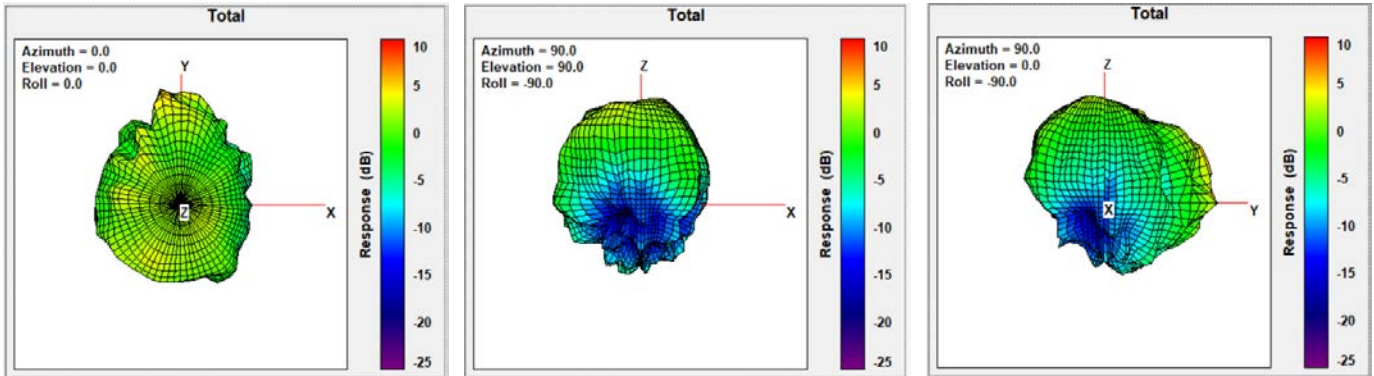
Antenna: 5725MHz



Center Frequency	5725 MHz
Three-dimensional (dBi) peak	3.98

Radiation pattern open mode

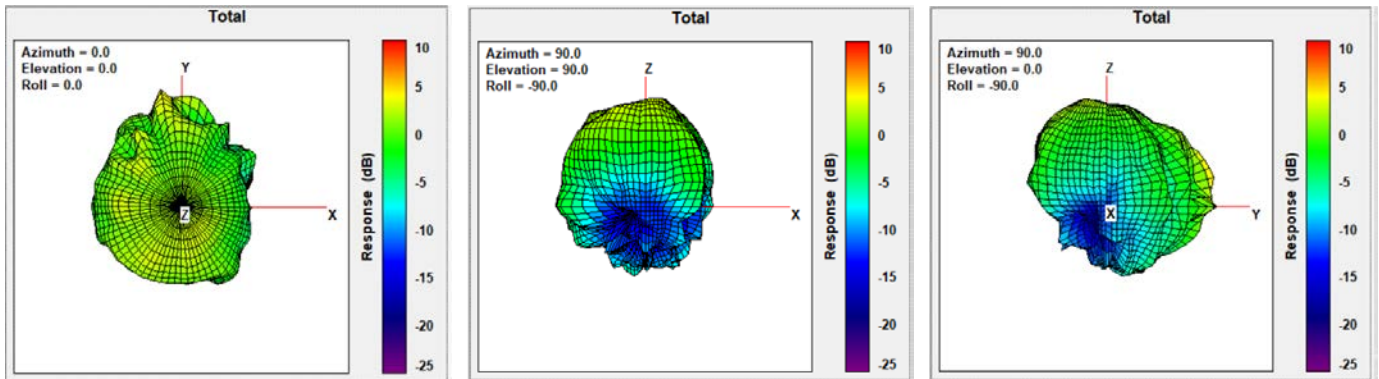
Antenna: 5785MHz



Center Frequency	5785 MHz
Three-dimensional (dBi) peak	4.42

Radiation pattern open mode

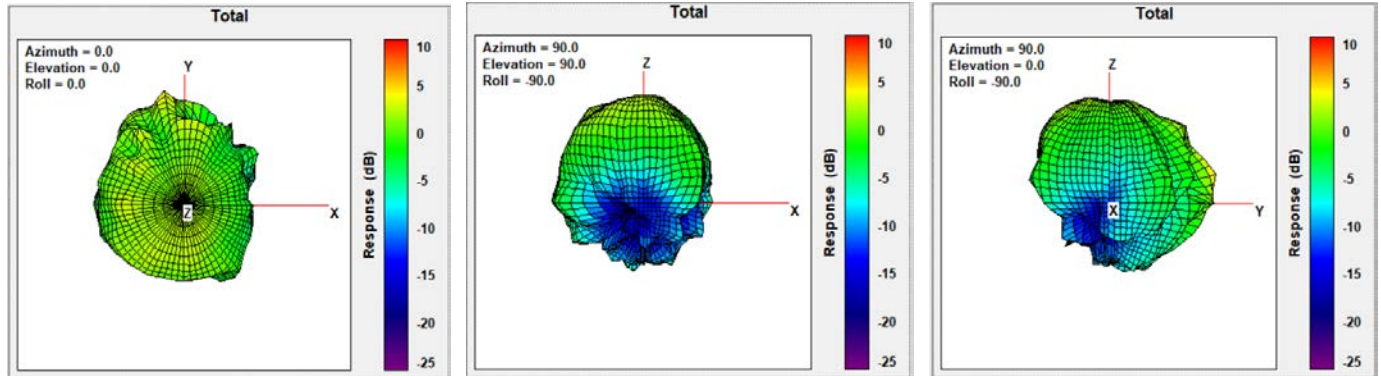
Antenna: 5850MHz



Center Frequency	5850 MHz
Three-dimensional (dBi) peak	4.64

Radiation pattern open mode

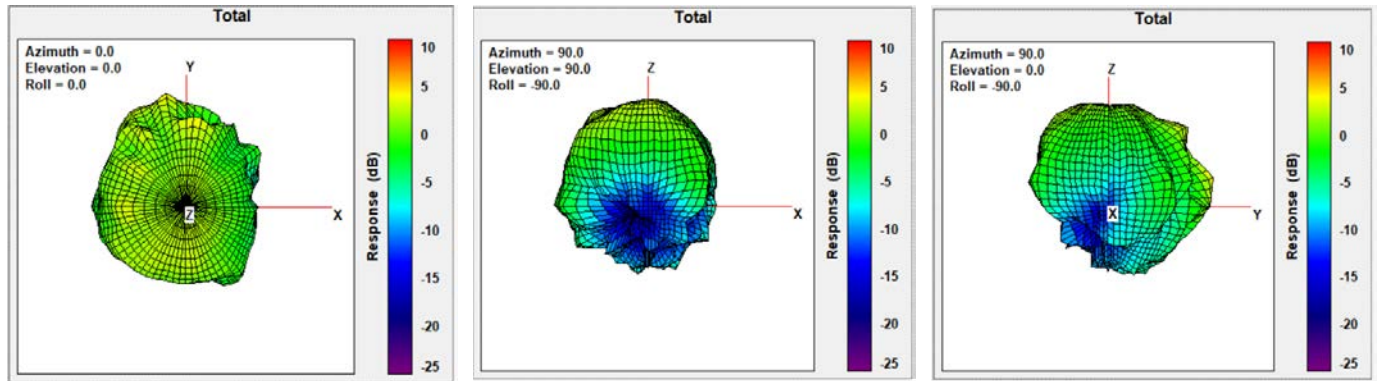
Antenna: 5895MHz



Center Frequency	5895 MHz
Three-dimensional (dBi) peak	4.63

Radiation pattern open mode

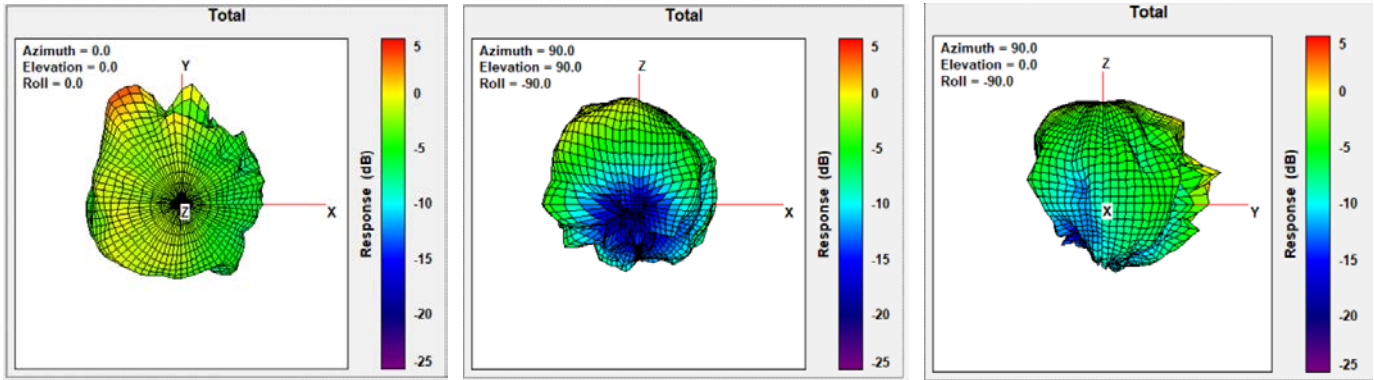
Antenna: 5925MHz



Center Frequency	5925 MHz
Three-dimensional (dBi) peak	4.68

Radiation pattern open mode

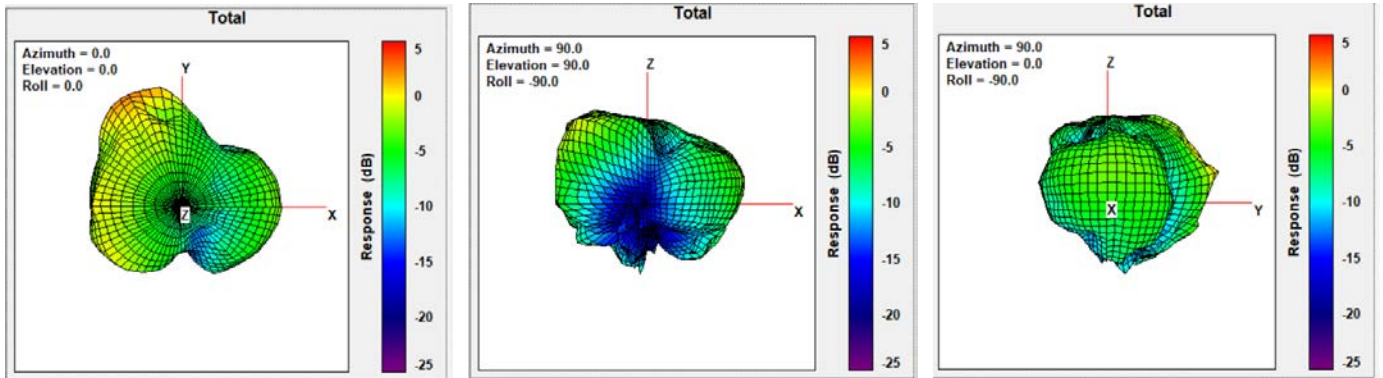
Antenna: 6125MHz



Center Frequency	6125 MHz
Three-dimensional (dBi) peak	3.75

Radiation pattern open mode

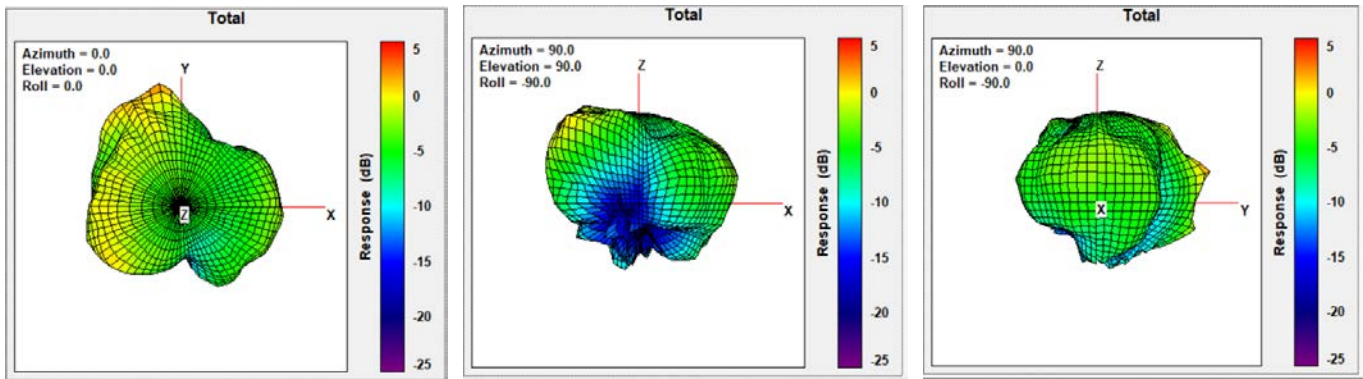
Antenna: 6425MHz



Center Frequency	6425 MHz
Three-dimensional (dBi) peak	2.19

Radiation pattern open mode

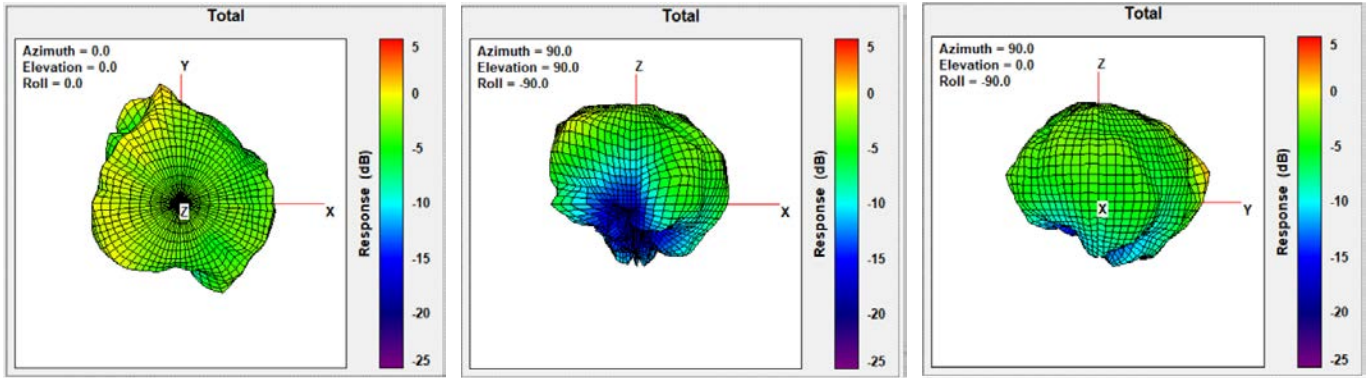
Antenna: 6525MHz



Center Frequency	6525 MHz
Three-dimensional (dBi) peak	3.50

Radiation pattern open mode

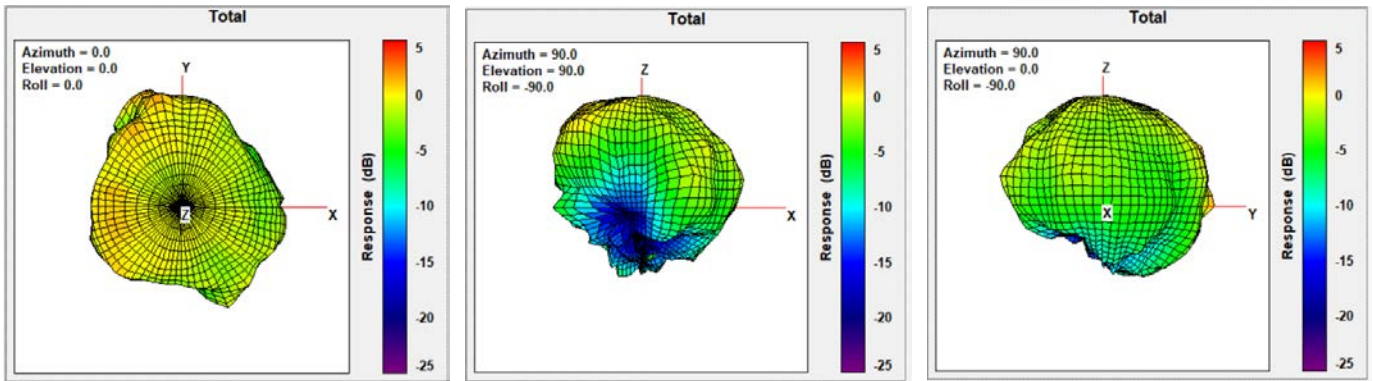
Antenna: 6725MHz



Center Frequency	6725 MHz
Three-dimensional (dBi) peak	3.48

Radiation pattern open mode

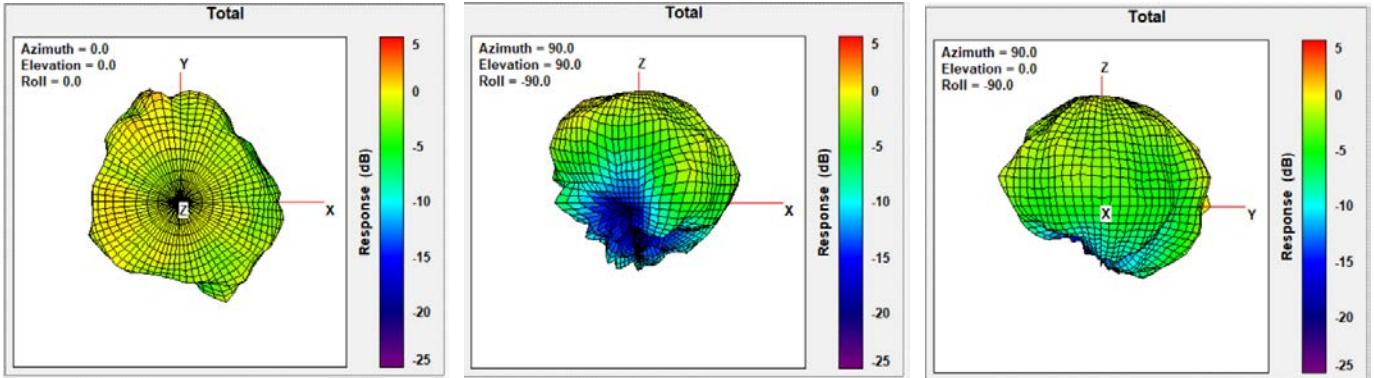
Antenna: 6875MHz



Center Frequency	6875 MHz
Three-dimensional (dBi) peak	3.14

Radiation pattern open mode

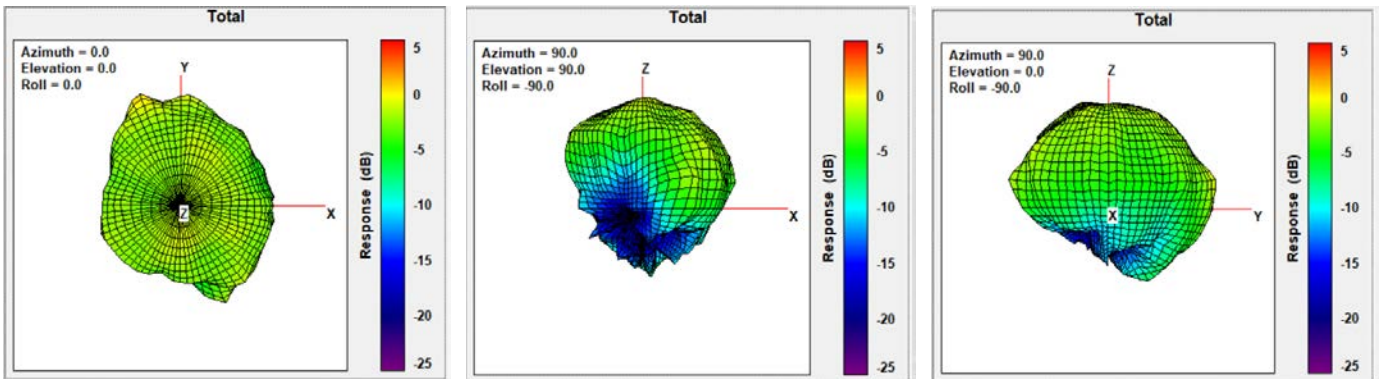
Antenna: 6925MHz



Center Frequency	6925 MHz
Three-dimensional (dBi) peak	3.18

Radiation pattern open mode

Antenna: 7125MHz



Center Frequency	7125 MHz
Three-dimensional (dBi) peak	2.15

WLAN Aux

	3D Peak Gain	3D Gain	Cable Loss
Frequency (MHz)	Total (dBi)	Efficiency {%}	Loss (dB)
2400	1.38	21%	0.74
2412	1.55	21%	0.74
2437	2.43	25%	0.74
2462	2.60	31%	0.75
2500	2.05	24%	0.75
5150	2.69	22%	0.76
5250	2.95	21%	1.12
5350	2.92	20%	1.13
5470	3.28	37%	1.14
5600	3.99	40%	1.15
5725	3.98	41%	1.17
5780	4.42	44%	1.18
5850	4.64	46%	1.18
5895	4.63	45%	1.18
5925	4.68	41%	1.19
6125	3.75	21%	1.19
6425	2.19	21%	1.20
6525	3.50	23%	1.22
6725	3.48	28%	1.22
6875	3.14	32%	1.23
6925	3.18	33%	1.23
7125	2.15	24%	1.23

Assembly Drawing

WLAN Aux

