

# Data Sheet

CUSTOMER: ASUS

MODEL NAME: GZ301VI

CUSTOMER P/N: 14008-05330100

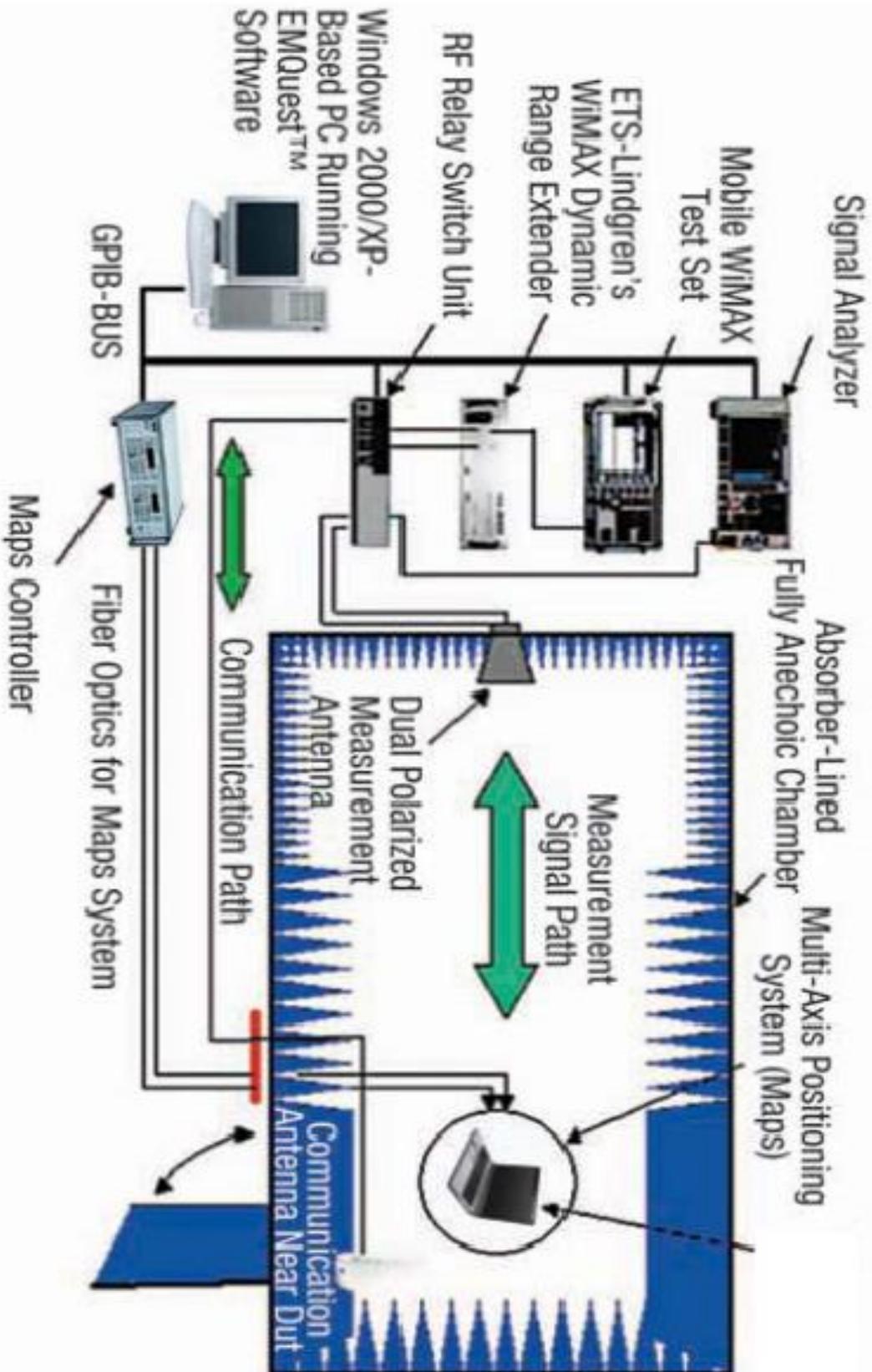
ICT P/N: LA9RF400-CS-H

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

# Description

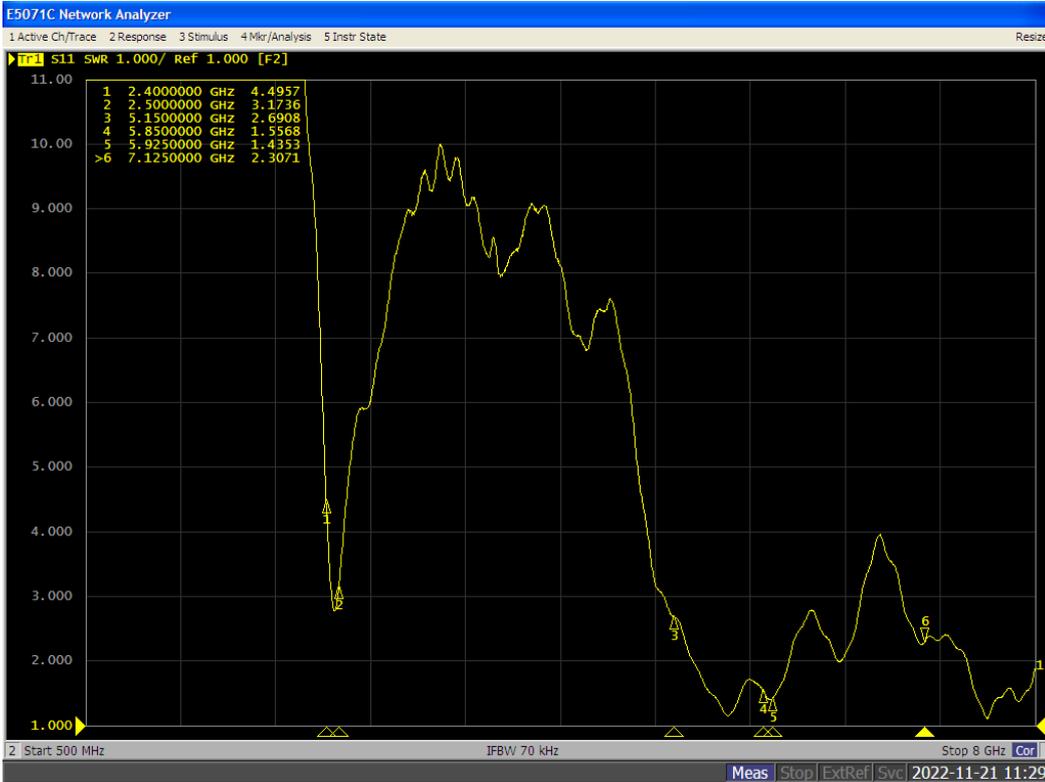
## Specifications

Antennas Type	PIFA Antenna for WLAN 802.11 a/b/g/ax application	
Connector Type	SPEEDTECH Connector for 1.13 cable	
Cable Type	Normal 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 802.11 ax (WiFi 6E)	5.925~7.125 GHz
VSWR	WLAN 802.11b/g	5.00 Max
	WLAN 802.11a / ax	
Peak gain	WLAN 802.11b/g	-0.33 dBi
	WLAN 802.11a	4.50 dBi
	WLAN 802.11 ax (WiFi 6E)	4.35 dBi
Cable Loss	WLAN 802.11 b/g	0.5 dB
	WLAN 802.11 a	0.8 dB
	WLAN 802.11 ax (WiFi 6E)	0.9 dB
Cable length/Color	WLAN Main	144.5 mm , White

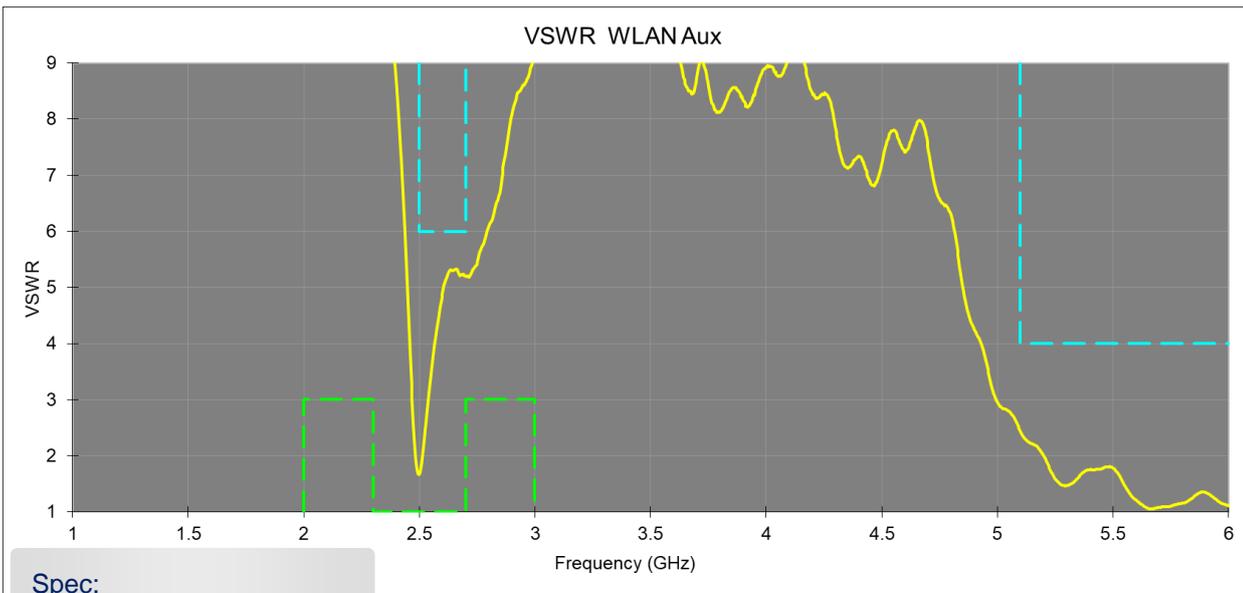


# Performance Data

## 1. VSWR



## 2. SPEC

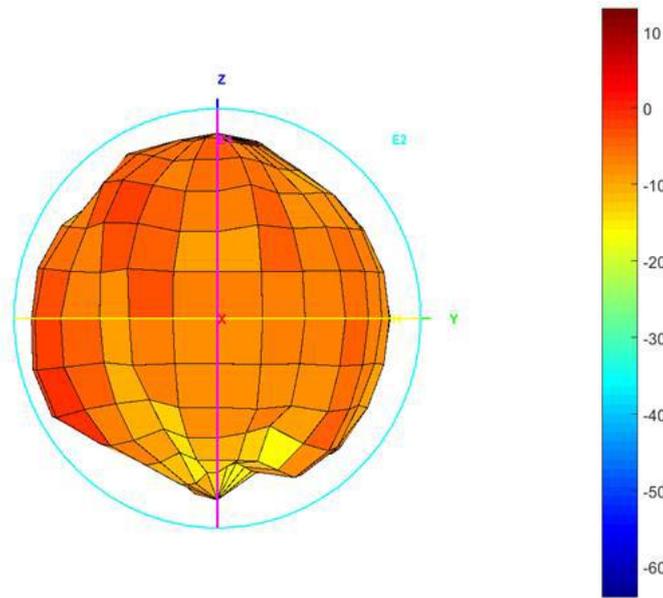


Spec:

- 2.00~ 2.30 GHz > 3.0
- 2.50 ~ 2.70 GHz < 6.0
- 2.70 ~ 3.00 GHz > 3.0
- 5.10 ~ 6.00 GHz < 4.0

# Radiation pattern open mode

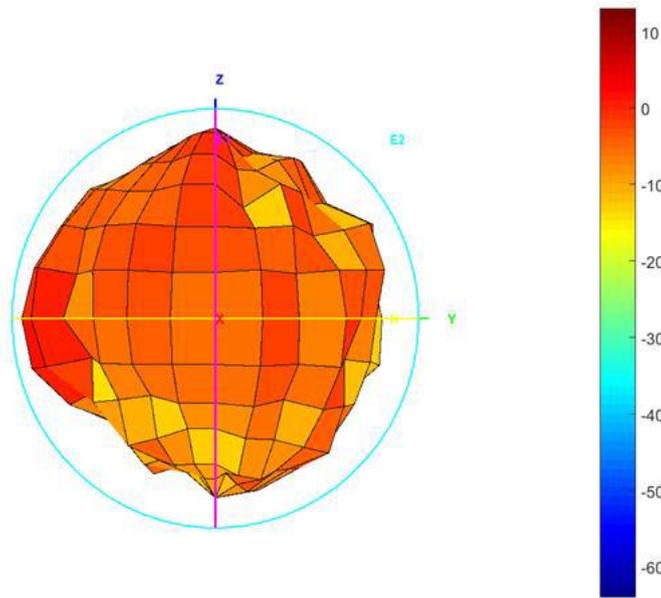
Antenna: 2400-2500MHz



Max Three-dimensional (dBi) peak	<b>-0.33</b>
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# Radiation pattern open mode

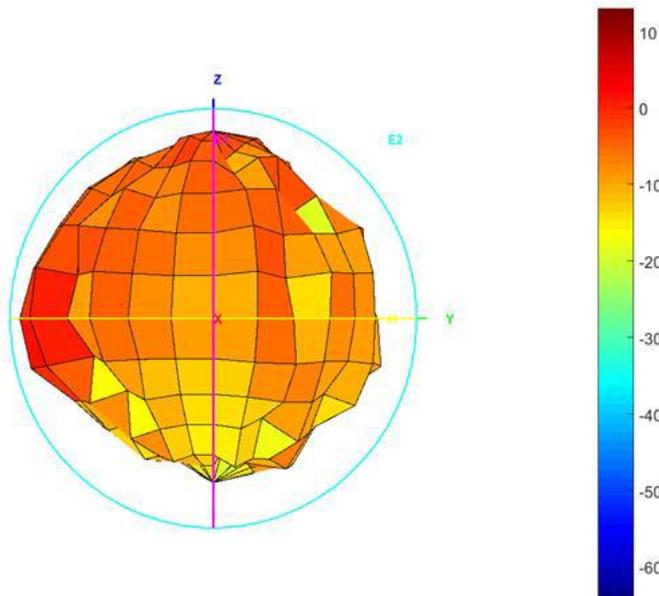
Antenna: 5150-5250MHz



Max Three-dimensional (dBi) peak	2.24
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# Radiation pattern open mode

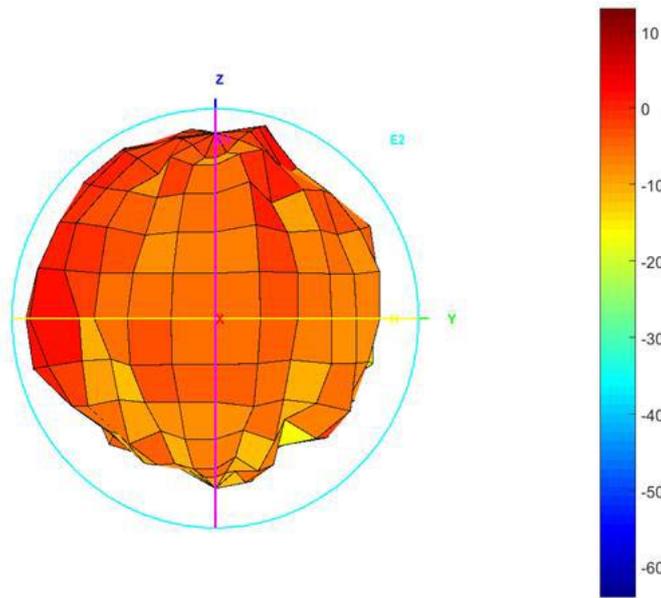
Antenna: 5250-5350MHz



Max Three-dimensional (dBi) peak	1.48
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# Radiation pattern open mode

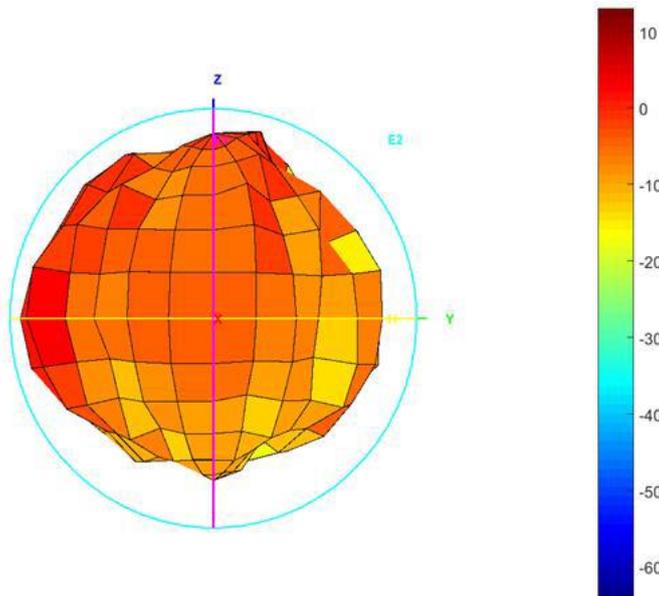
Antenna: 5470-5725MHz



Max Three-dimensional (dBi) peak	3.55
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# Radiation pattern open mode

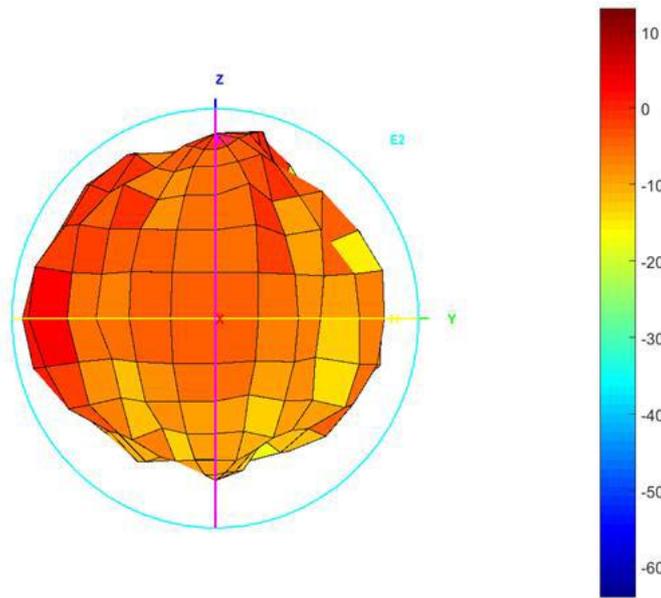
Antenna: 5725-5850MHz



Max Three-dimensional (dBi) peak	4.50
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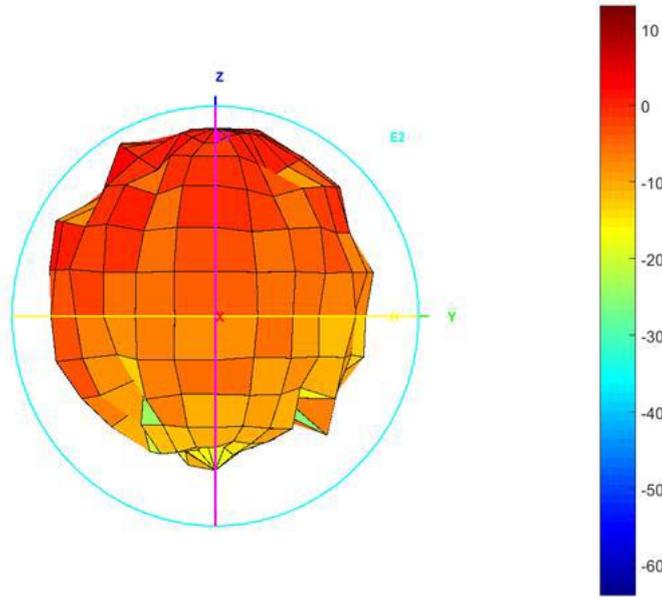
# Radiation pattern open mode

Antenna: 5850-5895MHz



Max Three-dimensional (dBi) peak	4.50
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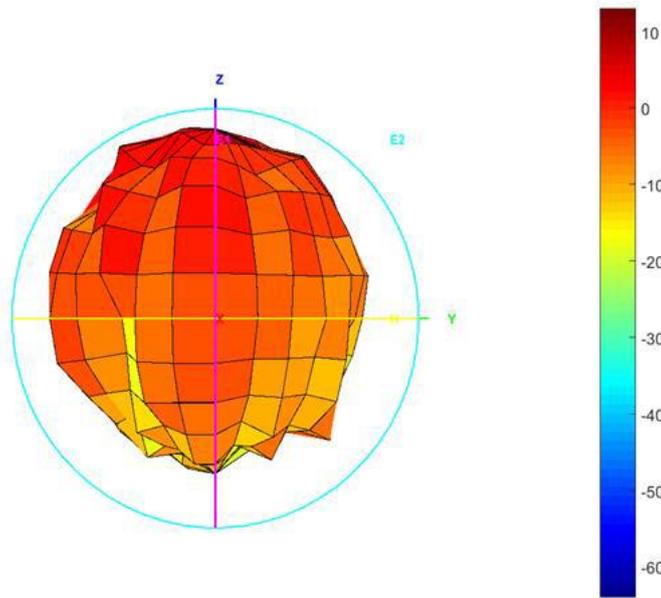
# Antenna: 5925-6425MHz



Max Three-dimensional (dBi) peak	4.35
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# Radiation pattern open mode

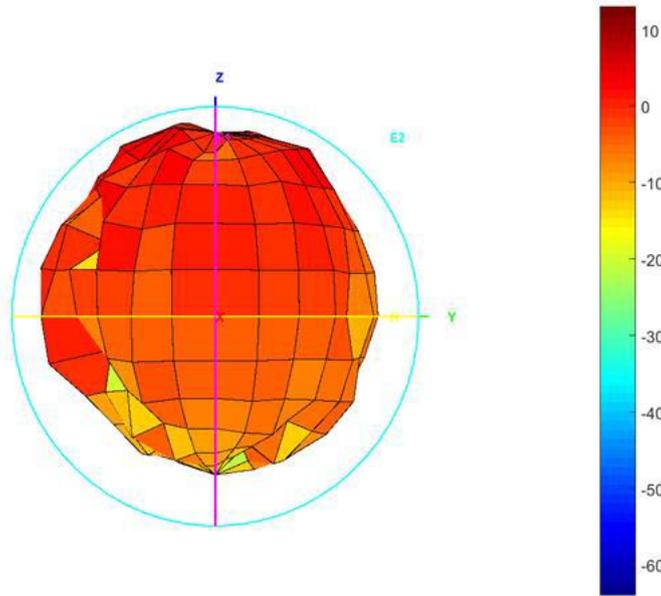
Antenna:6425-6525MHz



Max Three-dimensional (dBi) peak	3.90
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# Radiation pattern open mode

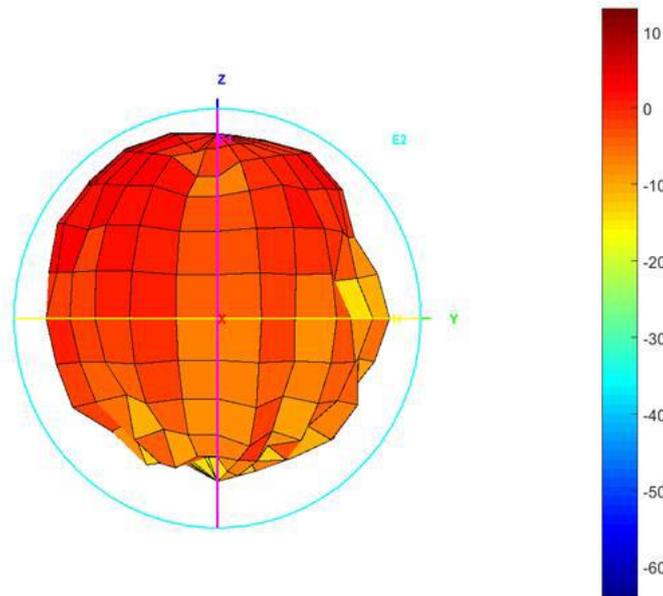
Antenna:6525-6875MHz



Max Three-dimensional (dBi) peak	3.90
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# Radiation pattern open mode

Antenna: 6875-7125MHz



Max Three-dimensional (dBi) peak	3.90
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Frequency (MHz)	3D Peak Gain (dBi)	3D Gain Efficiency (%)	Cable Loss (dB)
2400	-0.53	39.17	0.5
2412	-0.43	40.93	0.5
2437	-0.38	42.36	0.5
2450	-0.33	41.50	0.5
2462	-0.48	40.46	0.5
2500	-0.51	40.27	0.5
5150	2.24	33.19	0.8
5250	1.22	35.32	0.8
5350	1.48	34.12	0.8
5470	3.21	40.27	0.8
5600	3.55	43.35	0.8
5725	3.14	32.21	0.8
5785	4.21	40.18	0.8
5850	4.50	44.57	0.8
5925	4.33	36.39	0.9
6000	3.96	31.84	0.9
6125	4.18	32.89	0.9
6225	4.35	33.19	0.9
6325	4.21	34.59	0.9
6425	3.53	32.36	0.9
6525	3.90	33.27	0.9
6625	3.66	36.73	0.9
6725	3.85	37.15	0.9
6875	3.90	36.90	0.9
6925	3.65	36.14	0.9
7000	3.82	37.67	1.0
7125	3.87	38.73	1.0