

Series: X1403ZA AUX
ASUS P/N: 14008-04890200
華勤 P/N : HQ20604832000
PEGA P/N : 1415-09500AS
PULSE P/N: TZ20924

ELECTRICAL SPECIFICATIONS

Antenna Type	PCB PIFA
Frequency	2.4-2.5GHz, 5.15-7.125GHz
Nominal Impedance	50 Ω
VSWR	2.5:1
Radiation Pattern	Omnidirectional
Gain	Refer to below table
Polarization	Linear
Power Withstanding	1W

MECHANICAL SPECIFICATIONS

Overall Length	50*7.2*0.4 mm
Antenna Color / Material	Black/ PCB
Connector type	See table, P3
Cable type	See table, P3
Cable length	See table, P3
Adhesive tape	HF-DS15

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 ~ +85°C
Storage Temperature	-40 ~ +85°C
RoHS Compliant	Yes

Freq Range MHz	Peak Gain W/ Cable loss (dBi)	
2400-2500	2.22	
5150-5350	1.71	
5470-5725	4.15	
5725-5850	4.15	
5850-5895	2.86	
5925-6425	2.62	
6425-6525	1.90	
6525-6875	1.98	
6875-7125	2.83	

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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Series: X1403ZA AUX

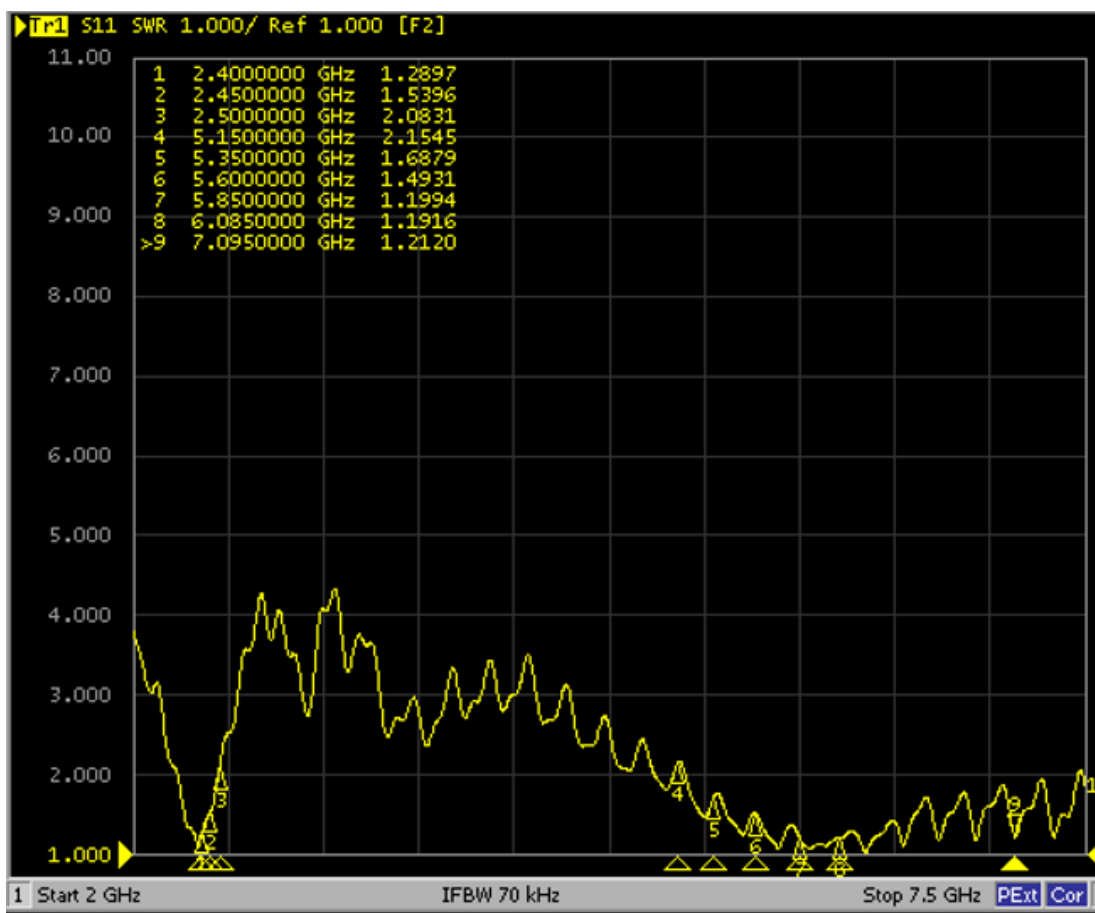
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TEST SETUP





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Antenna Peak Gain and Cable Loss

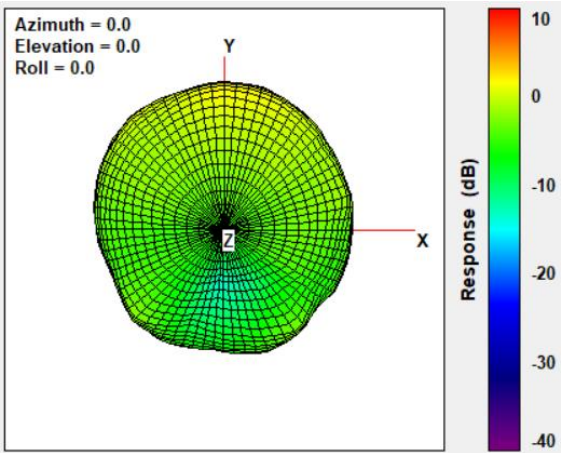
Frequency	Efficiency	Peak Gain
2400	-3.06	2.22
2450	-3.24	1.77
2500	-4.87	1.08
5150	-4.57	0.16
5250	-4.01	1.22
5350	-3.98	1.71
5470	-3.65	2.57
5600	-3.78	2.64
5725	-3.78	4.15
5785	-3.88	3.94
5850	-4.32	2.86
5895	-4.39	2.29
5925	-4.45	1.71
6000	-4.77	2.62
6125	-5.89	2.35
6225	-5.54	1.72
6325	-5.35	2.11
6425	-5.08	1.90
6525	-5.01	0.93
6625	-4.95	0.90
6725	-5.03	1.57
6875	-5.80	1.98
6925	-5.04	2.83
7000	-5.13	2.40
7125	-5.83	0.72

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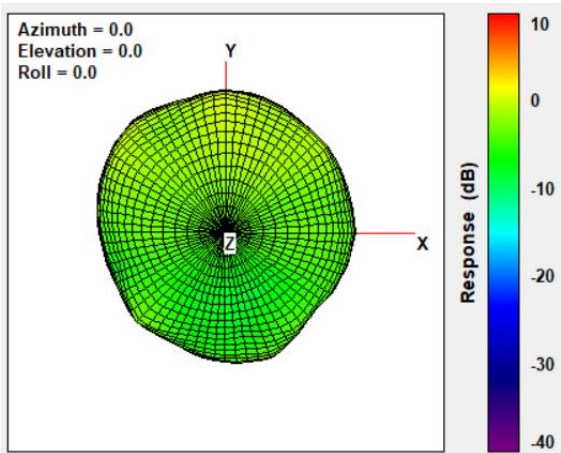
CHARTS

Radiation Pattern of WLAN Antenna (2400MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
2400	-3.06	2.22

Radiation Pattern of WLAN Antenna (2450MHz)



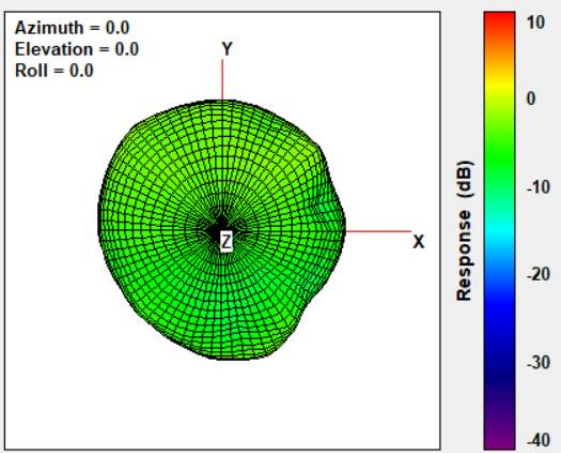
Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
2450	-3.24	1.77

Series: X1403ZA AUX

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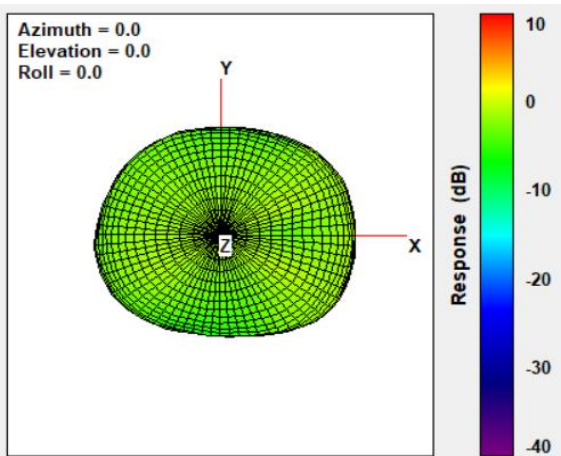
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Radiation Pattern of WLAN Antenna-NB (2500MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
2500	-4.87	1.08

Radiation Pattern of WLAN Antenna-NB (5150MHz)



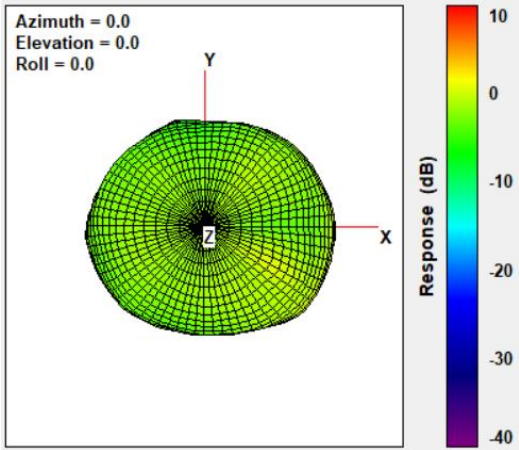
Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5150	-4.57	0.16

Series: X1403ZA AUX

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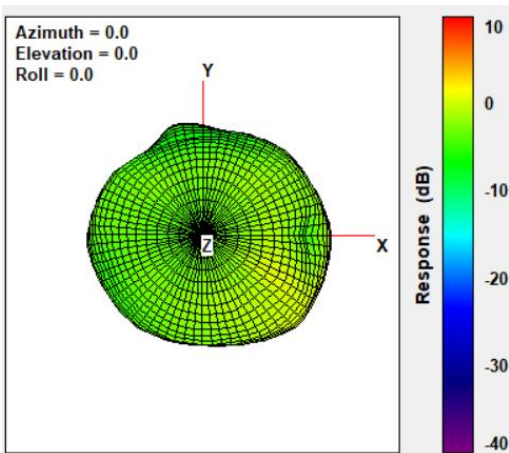
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Radiation Pattern of WLAN Antenna (5250MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5250	-4.01	1.22

Radiation Pattern of WLAN Antenna (5350MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5350	-3.98	1.71

Series: X1403ZA AUX

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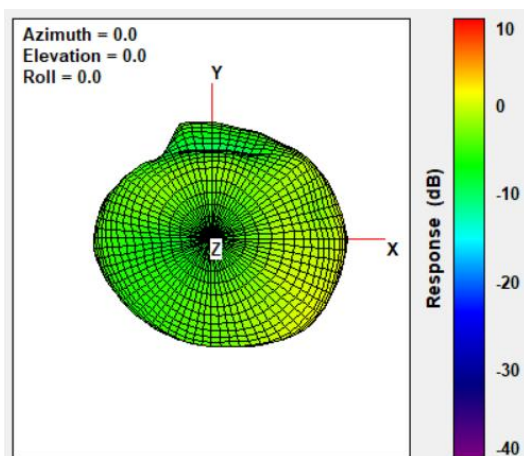
華勤 P/N : HQ20604832000

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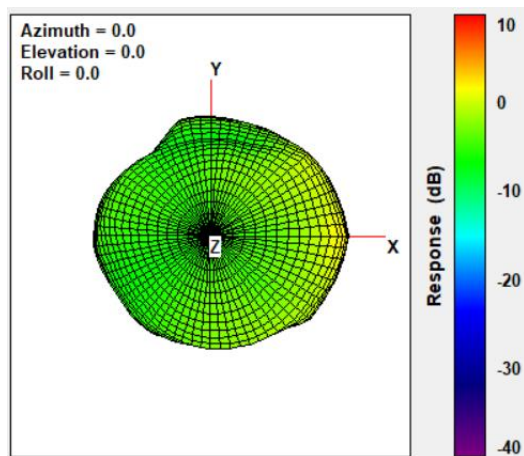
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Radiation Pattern of WLAN Antenna (5470MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5470	-3.65	2.57

Radiation Pattern of WLAN Antenna (5600MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5600	-3.78	2.64

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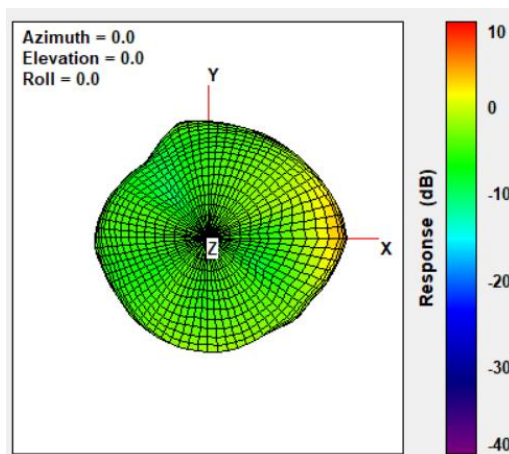
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PEGA P/N : 1415-09500AS

PULSE P/N: TZ20924

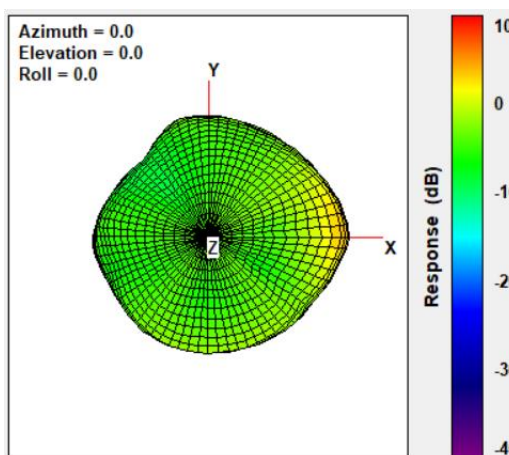
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Radiation Pattern of WLAN Antenna (5725MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5725	-3.78	4.15

Radiation Pattern of WLAN Antenna (5785MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5785	-3.88	3.94

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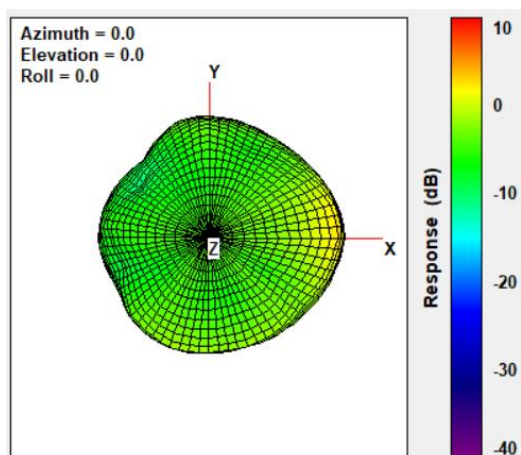
華勤 P/N : HQ20604832000

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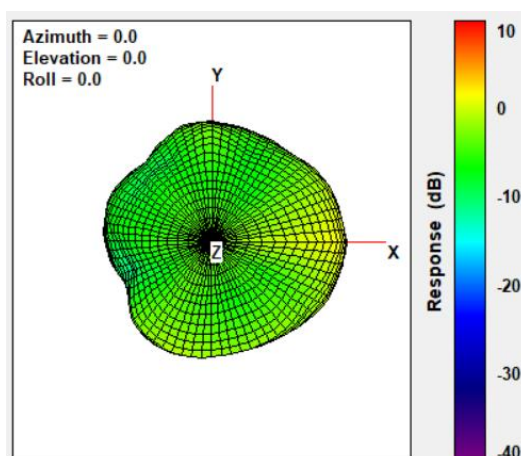
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Radiation Pattern of WLAN Antenna(5850MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5850	-4.32	2.86

Radiation Pattern of WLAN Antenna (5895MHz)



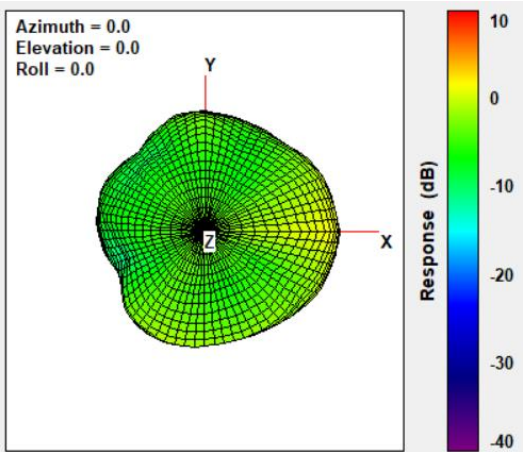
Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5895	-4.39	2.29

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Series: X1403ZA AUX

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Radiation Pattern of WLAN Antenna (5925MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5925	-4.45	1.71

Series: X1403ZA AUX

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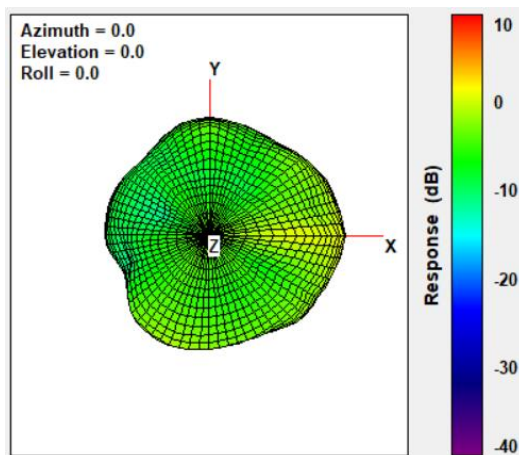
華勤 P/N : HQ20604832000

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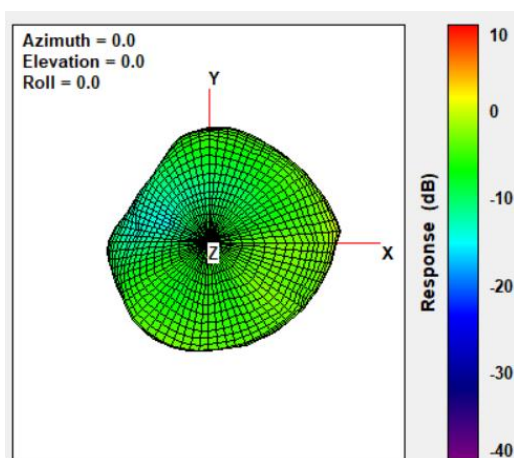
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Radiation Pattern of WLAN Antenna (6000MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6000	-4.77	2.62

Radiation Pattern of WLAN Antenna (6125MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6125	-5.89	2.35

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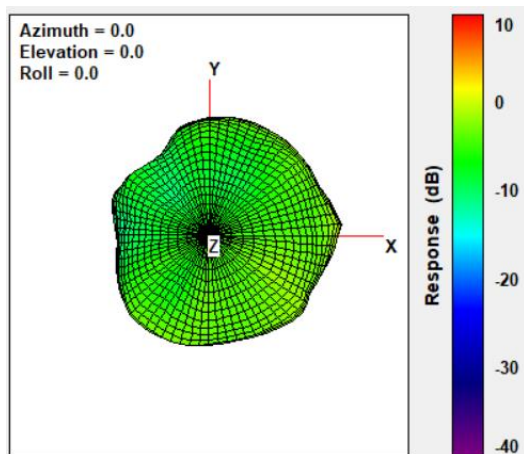
華勤 P/N : HQ20604832000

PEGA P/N : 1415-09500AS

PULSE P/N: TZ20924

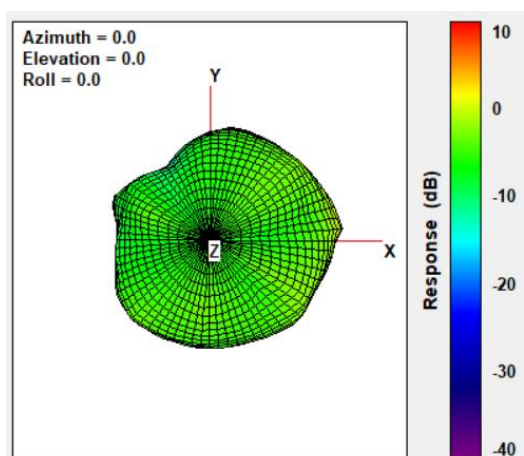
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Radiation Pattern of WLAN Antenna(6225MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6225	-5.54	1.72

Radiation Pattern of WLAN Antenna (6325MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6325	-5.35	2.11

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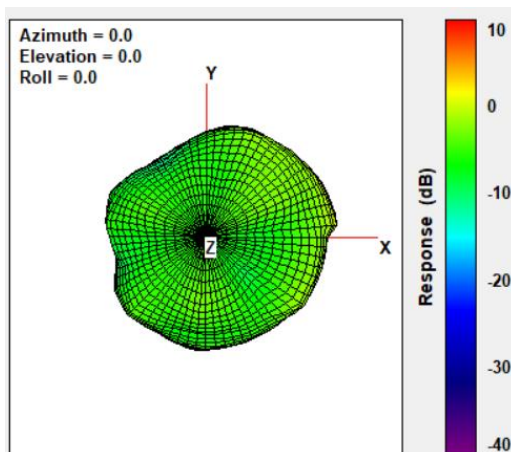
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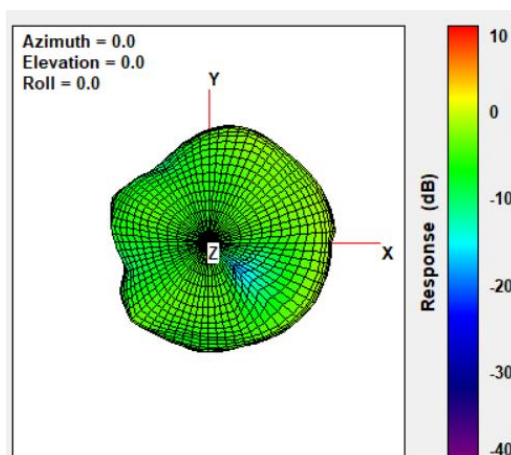
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Radiation Pattern of WLAN Antenna (6425MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6425	-5.08	1.90

Radiation Pattern of WLAN Antenna (6525MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6525	-5.01	0.93

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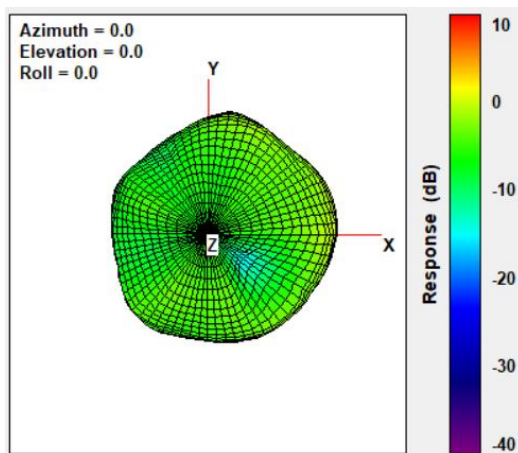
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PULSE P/N: TZ20924

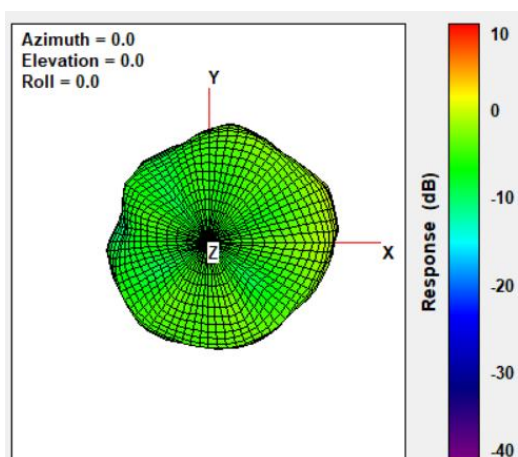
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Radiation Pattern of WLAN Antenna (6625MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6625	-4.95	0.90

Radiation Pattern of WLAN Antenna (6725MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6725	-5.03	1.57

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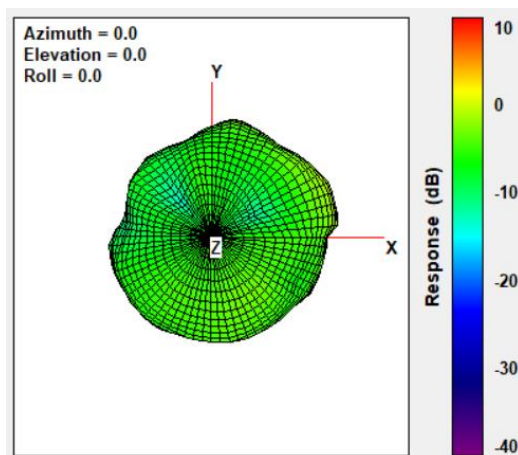
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PULSE P/N: TZ20924

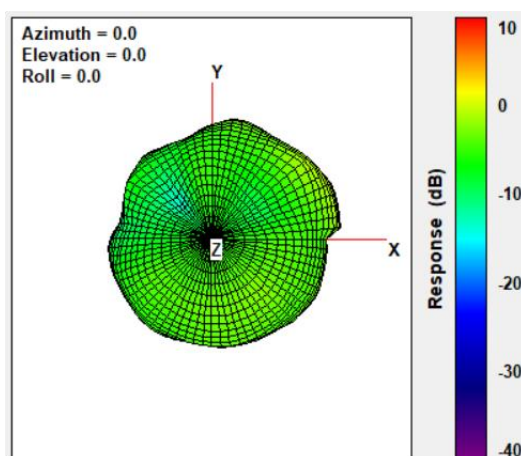
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Radiation Pattern of WLAN Antenna (6875MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6875	-5.80	1.98

Radiation Pattern of WLAN Antenna (6925MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6925	-5.04	2.83

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ASUS P/N: 14008-04890200

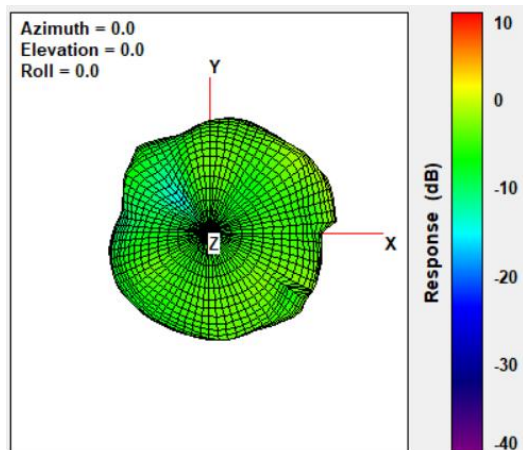
華勤 P/N : HQ20604832000

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PULSE P/N: TZ20924

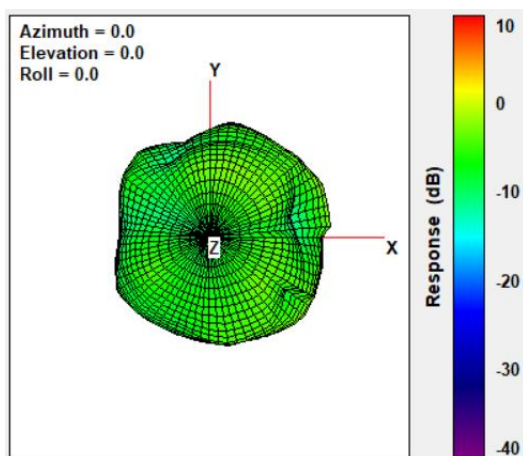
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Radiation Pattern of WLAN Antenna (7000MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
7000	-5.13	2.40

Radiation Pattern of WLAN Antenna(7125MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
7125	-5.83	0.72