

Series: X1403ZA MAIN
ASUS P/N: 14008-04890300
華勤 P/N : HQ20604833000
PEGA P/N : 1415-09510AS
PULSE P/N: TZ20921

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	Omni
Gain	Refer to below table
Polarization	Linear
Power Withstanding	1W

MECHANICAL SPECIFICATIONS

Overall Length	48.6*8*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	2.55	
5150-5350	3.12	
5470-5725	4.11	
5725-5850	4.33	
5850-5895	4.07	
5925-6425	4.12	
6425-6525	1.31	
6525-6875	2.53	
6875-7125	2.53	

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

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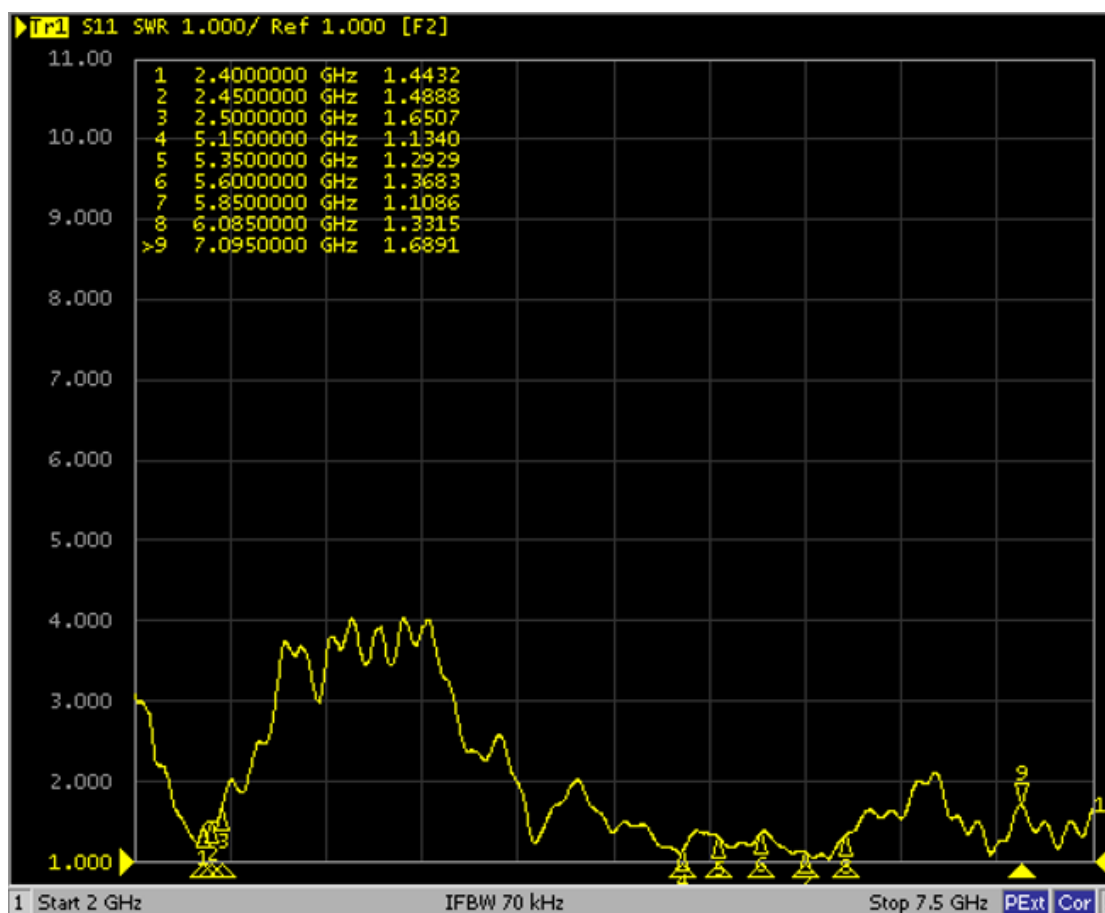
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TEST SETUP



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Antenna Peak Gain and Cable Loss

Frequency	Efficiency	Peak Gain
2400	-2.86	2.25
2450	-2.73	2.21
2500	-3.09	1.88
5150	-2.30	2.54
5250	-2.59	2.78
5350	-2.27	3.12
5470	-2.45	3.19
5600	-2.48	3.67
5725	-2.62	4.11
5785	-2.35	4.33
5850	-2.85	4.01
5895	-2.95	4.07
5925	-3.05	4.12
6000	-3.48	3.15
6125	-4.86	3.56
6225	-5.02	2.88
6325	-4.36	2.34
6425	-4.18	1.31
6525	-4.99	-0.52
6625	-5.07	0.37
6725	-4.37	2.14
6875	-4.15	2.53
6925	-4.05	1.81
7000	-4.95	1.24
7125	-4.83	1.70

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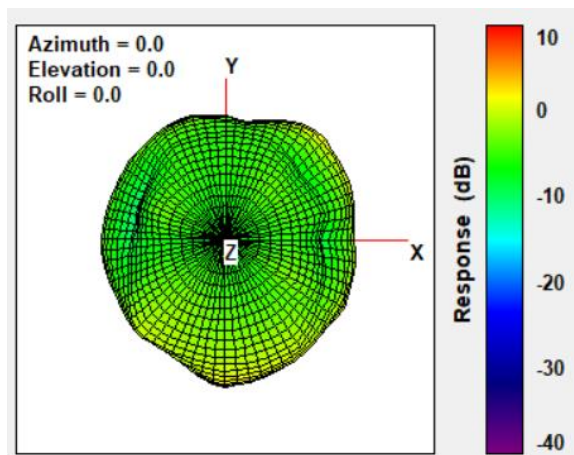
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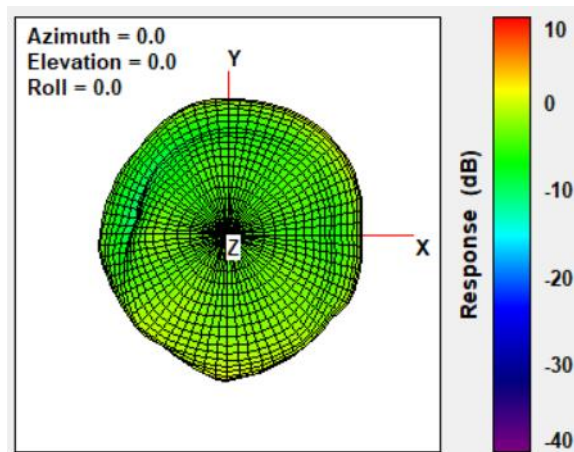
CHARTS

Radiation Pattern of WLAN Antenna (2400MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
2400	-2.86	2.55

Radiation Pattern of WLAN Antenna (2450MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
2450	-2.73	2.21

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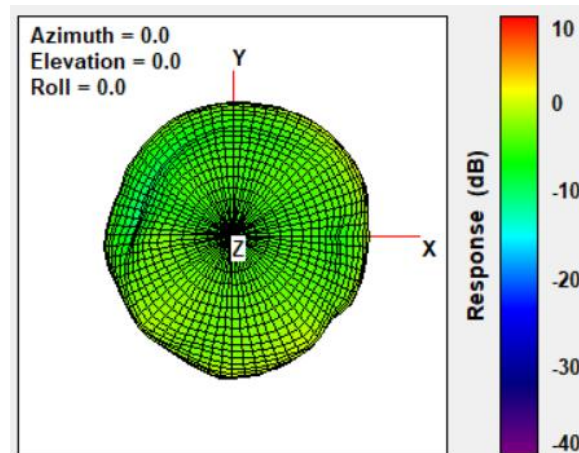
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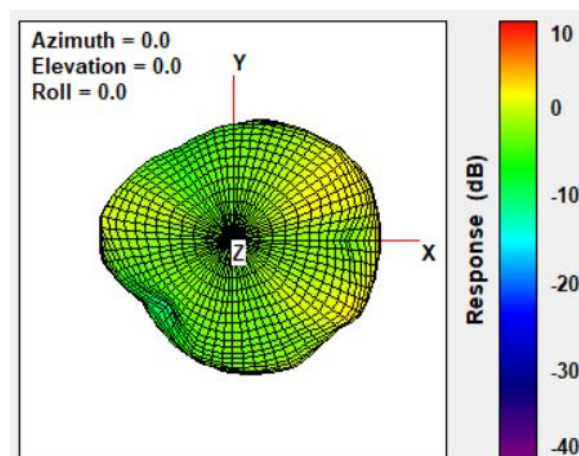
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Radiation Pattern of WLAN Antenna (2500MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
2500	-3.09	1.88

Radiation Pattern of WLAN Antenna (5150MHz)



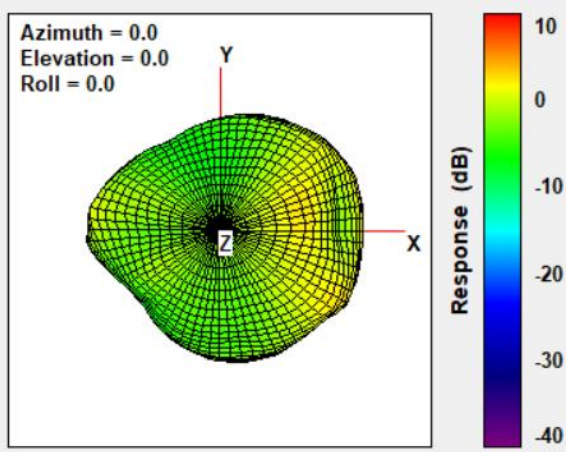
Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5150	-2.30	2.54

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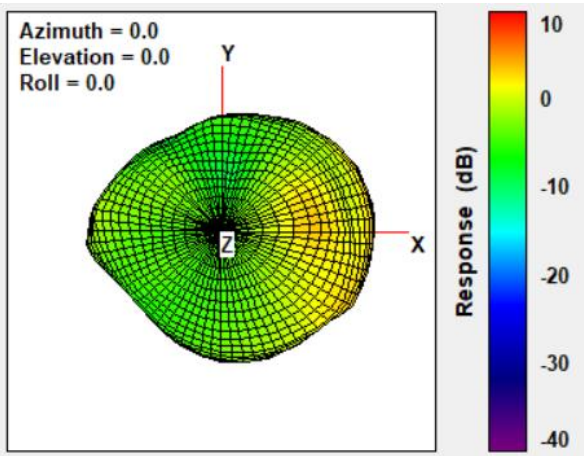
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Radiation Pattern of WLAN Antenna (5250MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5250	-2.59	2.78

Radiation Pattern of WLAN Antenna (5350MHz)



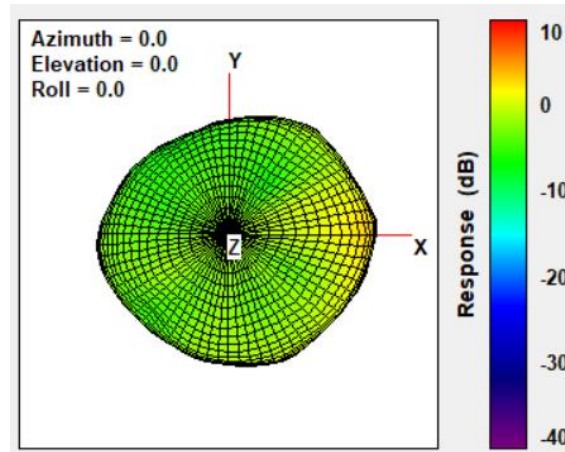
Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5350	-2.27	3.12

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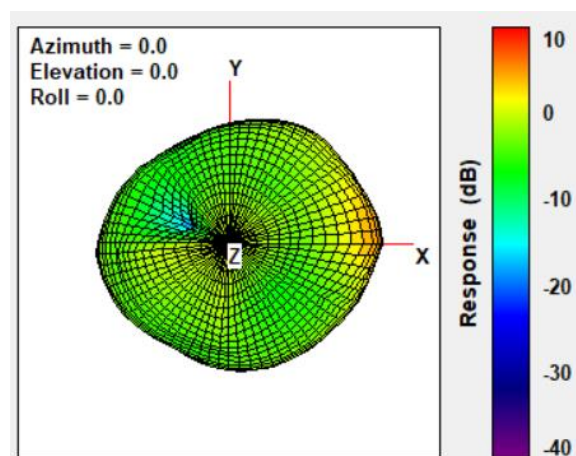
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Radiation Pattern of WLAN Antenna (5470MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5470	-2.45	3.19

Radiation Pattern of WLAN Antenna (5600MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5600	-2.48	3.67

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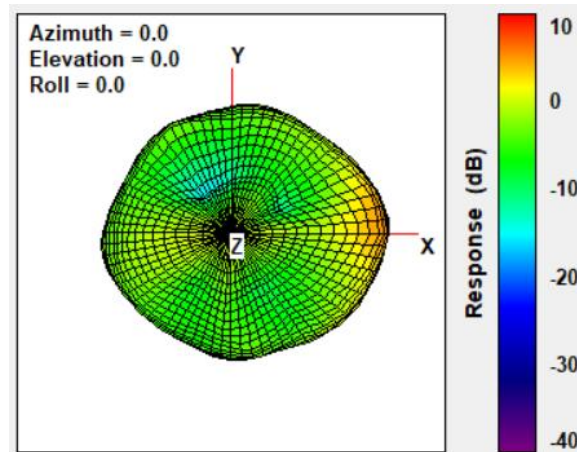
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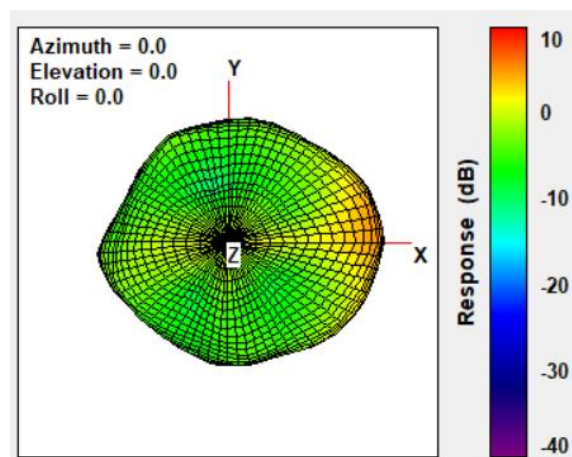
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Radiation Pattern of WLAN Antenna(5725MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5725	-2.62	4.11

Radiation Pattern of WLAN Antenna (5785MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5785	-2.35	4.33

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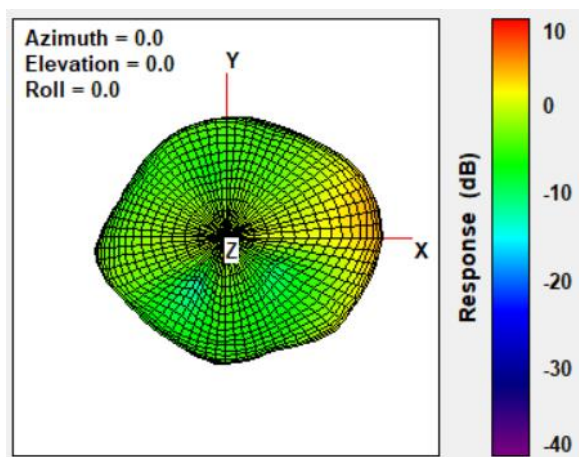
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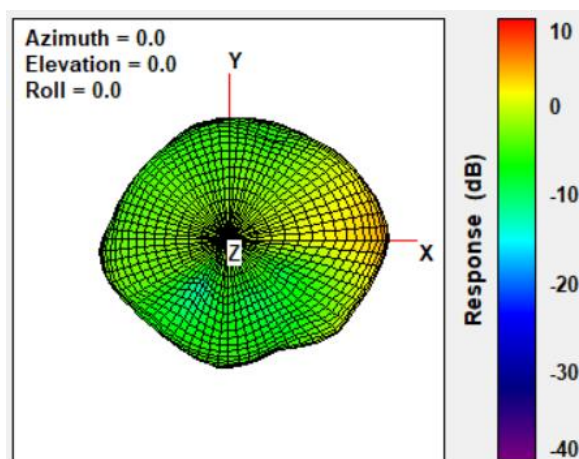
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Radiation Pattern of WLAN Antenna (5850MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5850	-2.85	4.01

Radiation Pattern of WLAN Antenna (5895MHz)



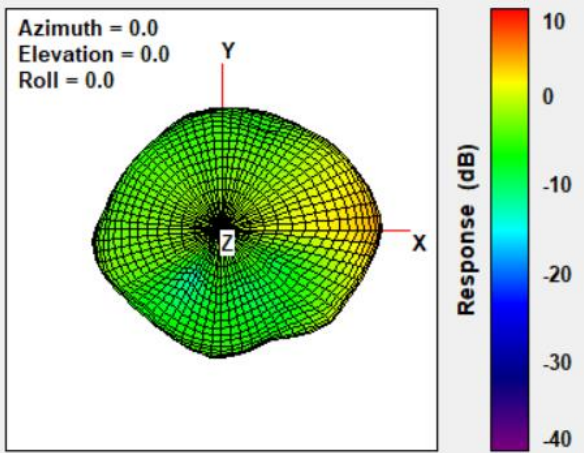
Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5895	-2.95	4.07

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Radiation Pattern of WLAN Antenna (5925MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
5925	-3.05	4.12

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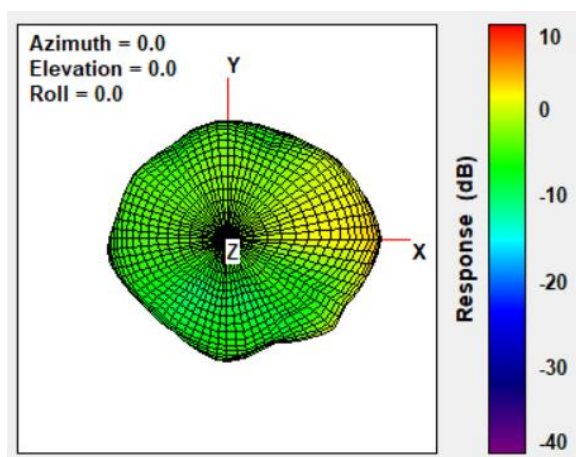
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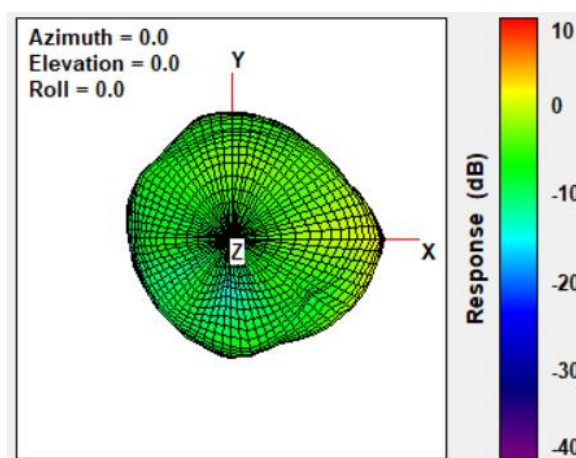
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Radiation Pattern of WLAN Antenna (6000MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6000	-3.48	3.15

Radiation Pattern of WLAN Antenna (6125MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6125	-4.86	3.56

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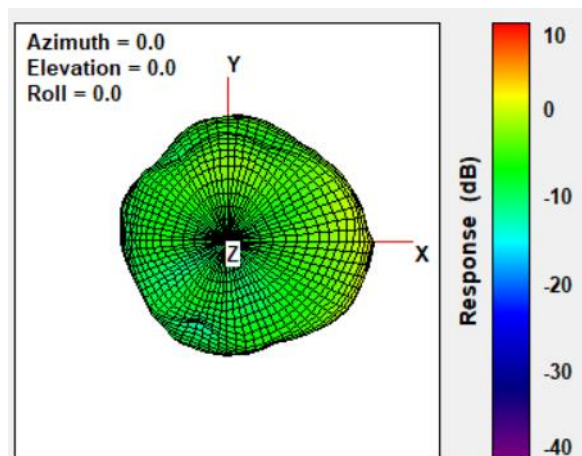
華勤 P/N : HQ20604833000

PEGA P/N : 1415-09510AS

PULSE P/N: TZ20921

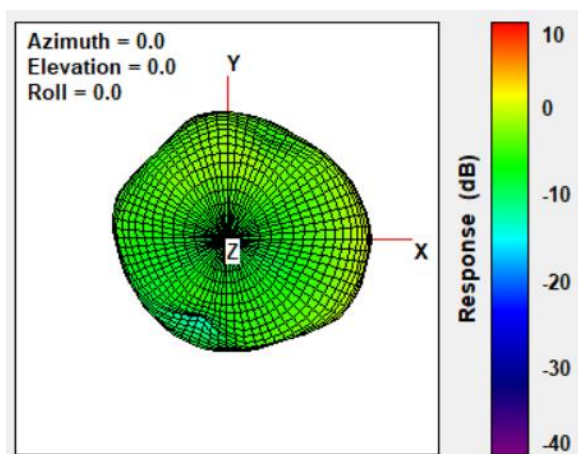
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Radiation Pattern of WLAN Antenna (6225MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6225	-5.02	2.88

Radiation Pattern of WLAN Antenna (6325MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6325	-4.36	2.34

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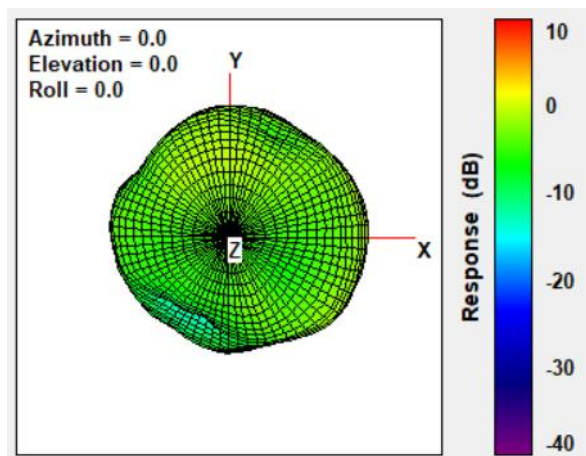
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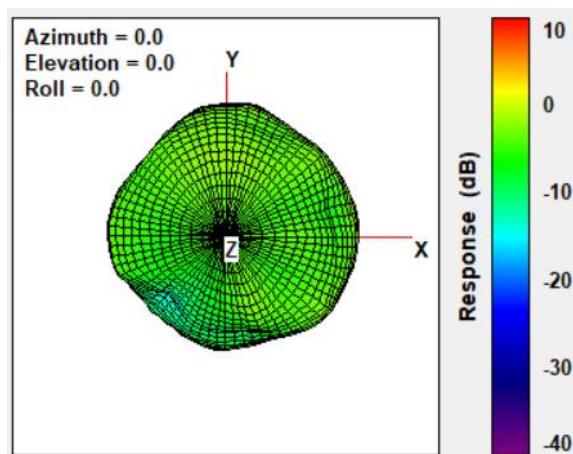
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Radiation Pattern of WLAN Antenna-NB (6425MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6425	-4.18	1.31

Radiation Pattern of WLAN Antenna-NB (6525MHz)



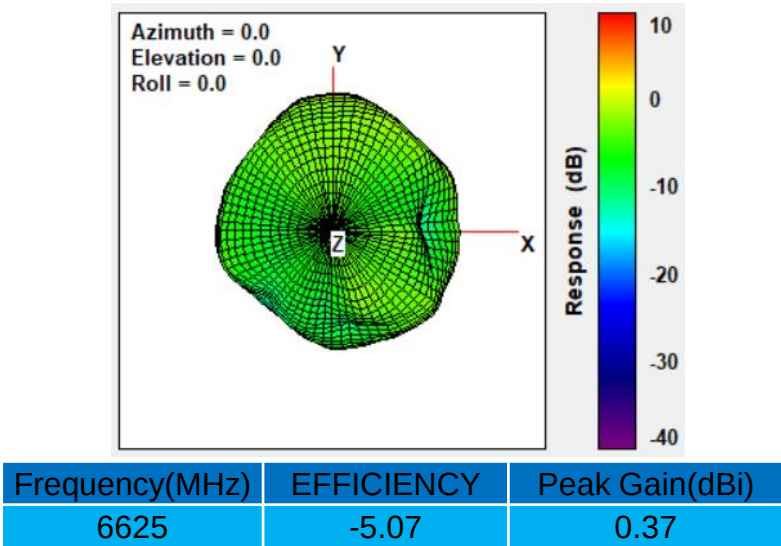
Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6525	-4.99	-0.52

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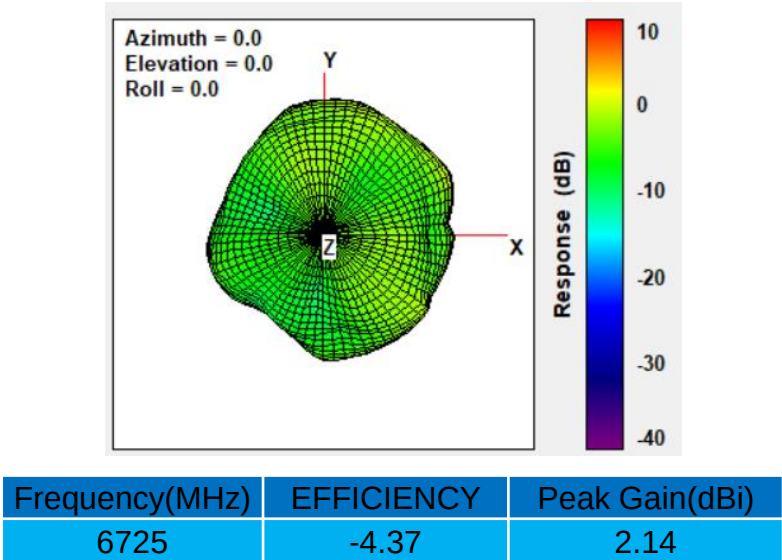
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Radiation Pattern of WLAN Antenna(6625MHz)



Radiation Pattern of WLAN Antenna(6725MHz)



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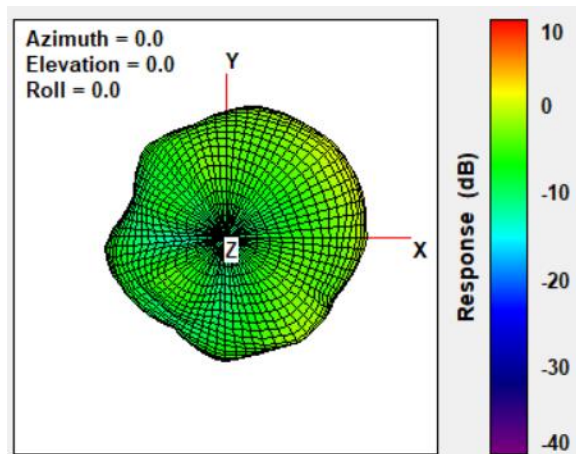
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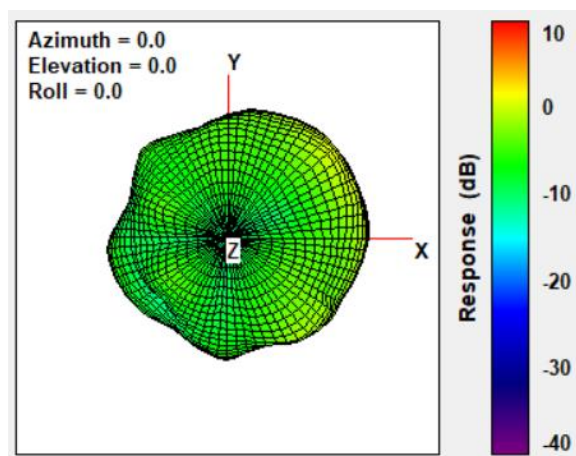
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Radiation Pattern of WLAN Antenna (6875MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6875	-4.15	2.53

Radiation Pattern of WLAN Antenna (6925MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
6925	-4.05	1.81

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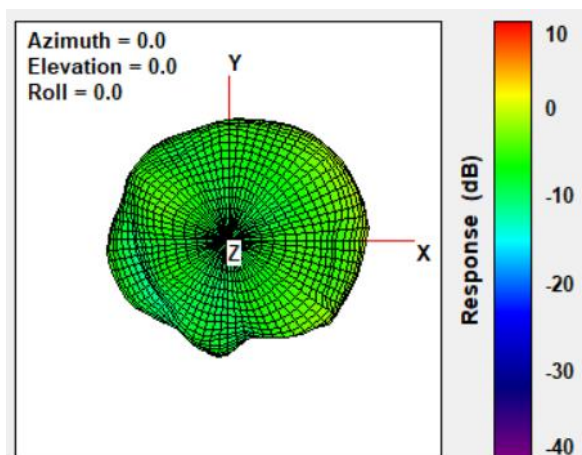
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PULSE P/N: TZ20921

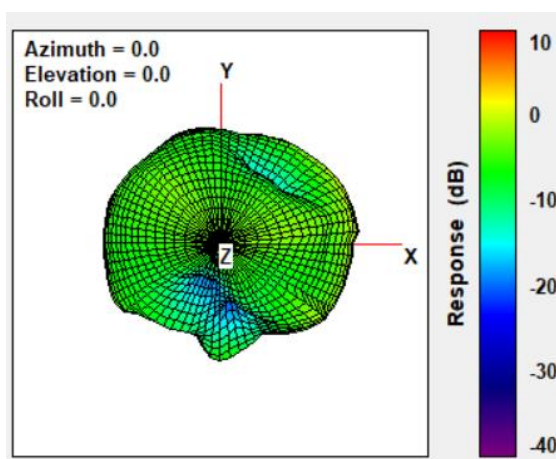
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Radiation Pattern of WLAN Antenna (7000MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
7000	-4.95	1.24

Radiation Pattern of WLAN Antenna (7125MHz)



Frequency(MHz)	EFFICIENCY	Peak Gain(dBi)
7125	-4.83	1.70