



Series : UX8406 WIFI AUX

Description : UX8406 WIFI AUX

PULSE P/N : TZ2717D

PEGA P/N : 1415-0AETOAS

ASUS P/N : 14008-05930100

### Features:

- WIFI Antenna
- 2.4~2.5 GHz, 5.15-5.85 GHz, 5.925~7.15 GHz
- Flexible Printed Circuit
- Adheres to plastic surface
- RoHS Compliant

### Applications:

- NoteBook Computer.

All dimensions are in mm / inches

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### ELECTRICAL SPECIFICATIONS

Antenna Type	PCB PIFA
Frequency	2.4-2.5GHz,5.15-5.85GHz, 5.95-7.125GHz
Nominal Impedance	50 Ω
VSWR	≤2.0
Radiation Pattern	Omni
Gain	Refer to below table
Polarization	Linear
Power Withstanding	1W

### MECHANICAL SPECIFICATIONS

Overall Length	35 x 7 x 6.21mm
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 ~ +55°C
Storage Temperature	-40 ~ +75°C
RoHS Compliant	Yes

Freq Range MHz	NB Peak Gain W/ Cable loss (dBi)	Tablet Peak Gain W/ Cable loss (dBi)	Cable Loss (dB)
2400-2500	2.92	2.75	0.1
5150-5250	1.60	1.77	0.14
5250-5350	2.31	1.88	0.14
5470-5725	3.94	2.78	0.14
5725-5850	2.02	1.37	0.14
5850-5895	1.72	1.07	0.14
5925-6425	1.95	3.69	0.15
6425-6525	2.22	3.69	0.15
6525-6875	2.50	3.47	0.15
6875-7125	2.56	3.27	0.16

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RoHS

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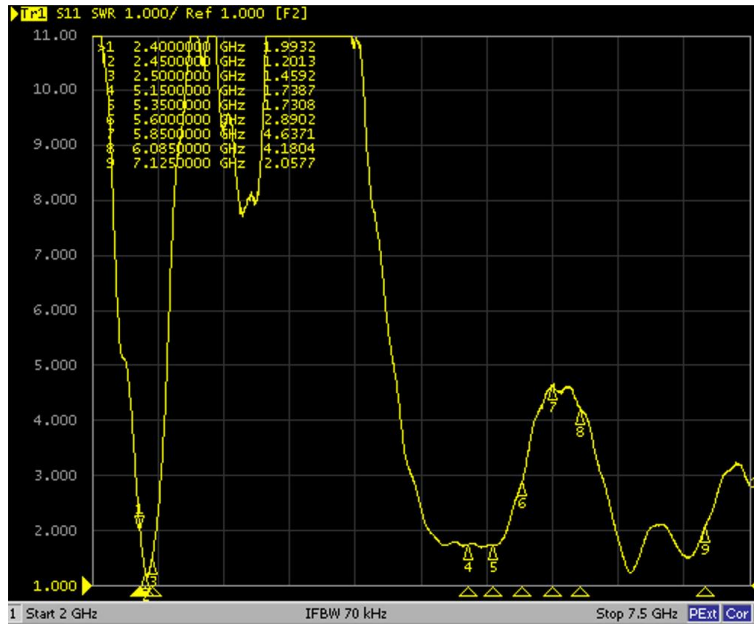
PEGA P/N : 1415-0AETOAS

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Performance Data (within the equipment)

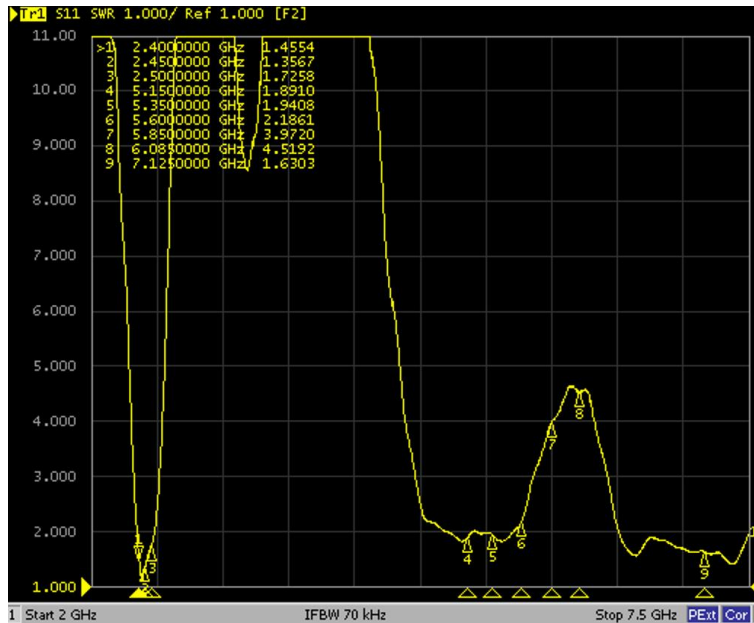
VSWR:

NB Mode



VSWR:

Tablet Mode



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### Antenna Efficiency

Frequency (MHz)	Aux NB eff. (dB)	Aux tablet eff. (dB)	Aux NB PG (dBi)	Aux tablet PG (dBi)
2400	-6.32	-5.31	1.30	0.44
2412	-6.04	-5.17	1.58	0.38
2437	-5.15	-4.56	2.20	1.46
2462	-4.93	-4.10	2.85	2.37
2500	-5.09	-4.11	2.92	2.75
5150	-4.28	-4.46	1.02	1.77
5250	-4.34	-4.11	1.60	1.29
5350	-3.88	-4.03	2.31	1.88
5470	-3.54	-3.51	3.94	2.34
5600	-3.88	-3.22	3.35	2.78
5725	-4.51	-3.91	2.02	1.37
5785	-4.93	-4.10	1.77	1.01
5850	-5.22	-4.23	1.72	1.07
5895	-5.50	-4.81	1.31	0.59
5925	-5.71	-4.88	1.15	0.26
6125	-6.45	-5.38	0.01	-0.56
6425	-4.01	-4.28	1.95	3.69
6525	-3.51	-4.05	2.22	3.47
6725	-3.25	-3.93	2.50	1.96
6875	-3.53	-2.84	1.99	3.27
6925	-3.64	-2.78	2.56	3.22
7125	-4.69	-3.13	1.41	3.19

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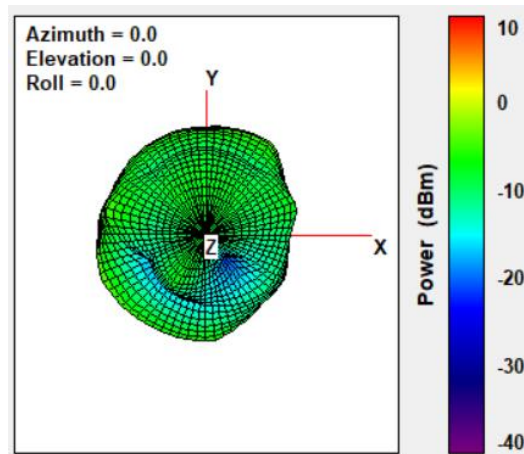
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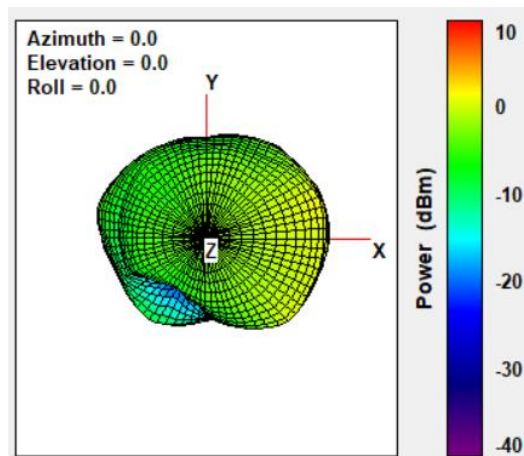
CHARTS

AUX Antenna NB

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.92



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	1.60



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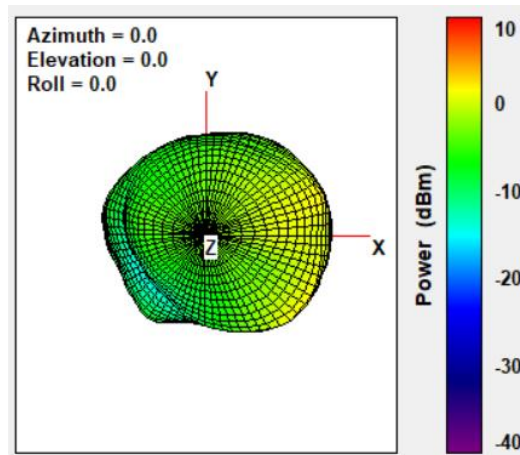
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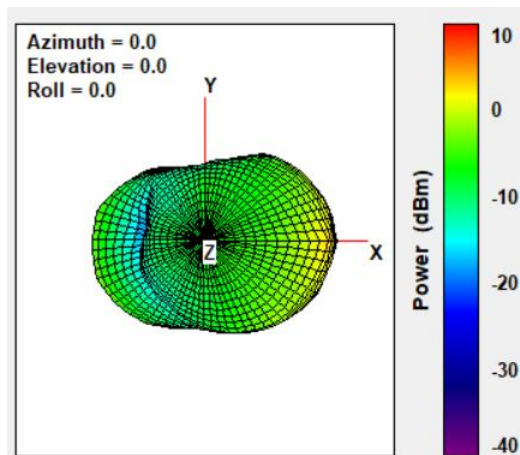
**CHARTS**

**AUX Antenna NB**

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.31



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	3.94



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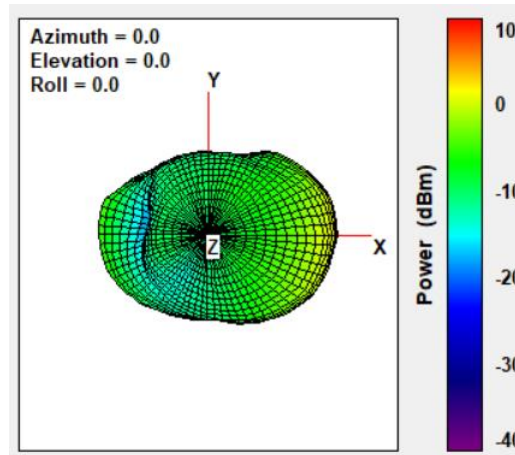
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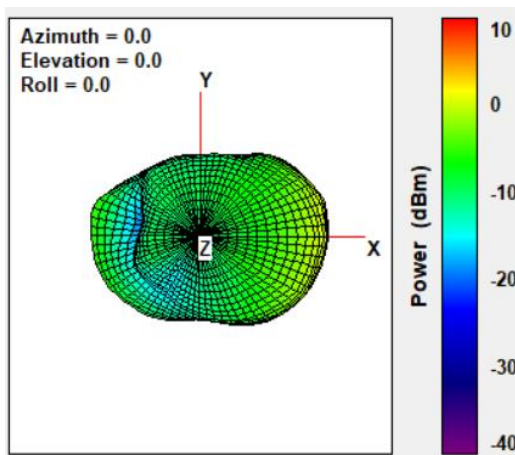
**CHARTS**

**AUX Antenna NB**

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.02



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	1.72



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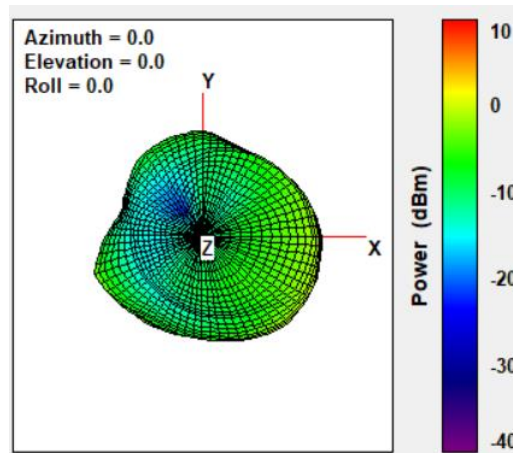
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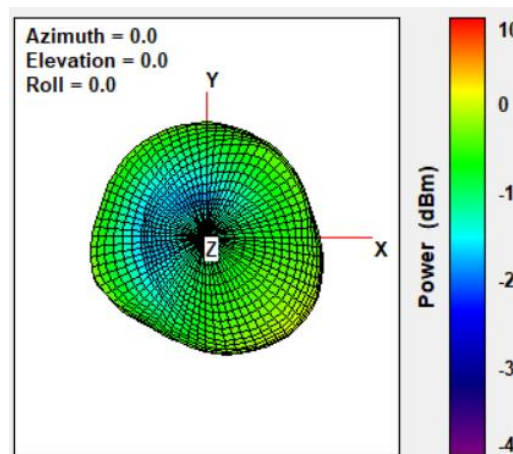
**CHARTS**

**AUX Antenna NB**

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	1.95



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	2.22



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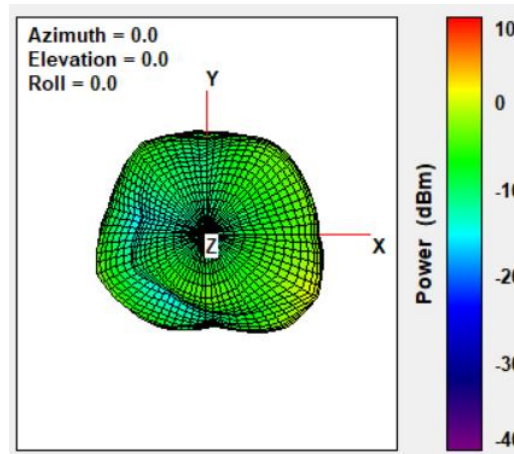
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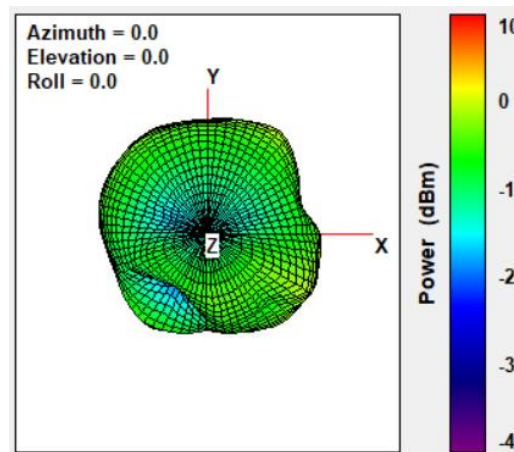
## CHARTS

### AUX Antenna NB

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	2.50



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.56



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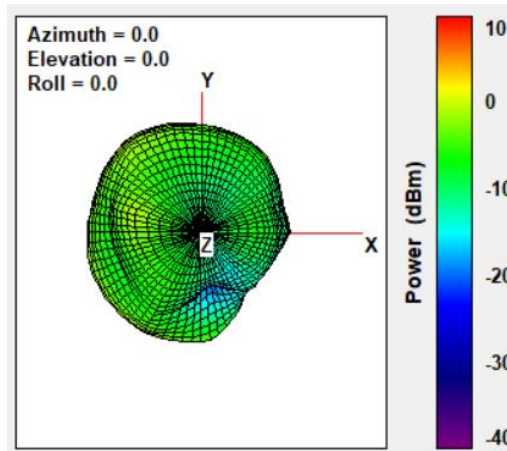
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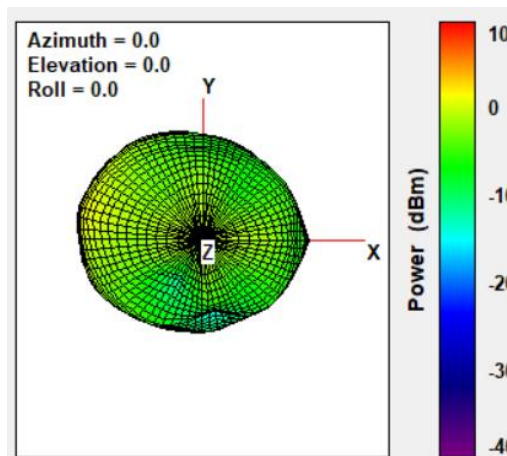
**CHARTS**

**AUX Antenna Tablet**

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.75



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	1.77



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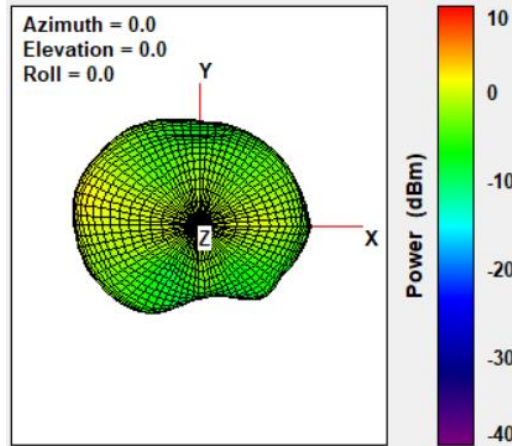
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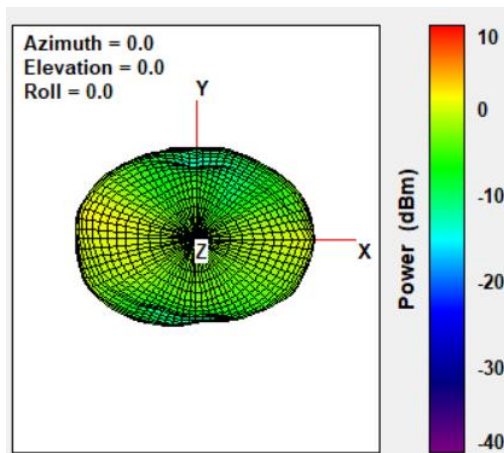
**CHARTS**

**AUX Antenna Tablet**

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	1.88



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.78



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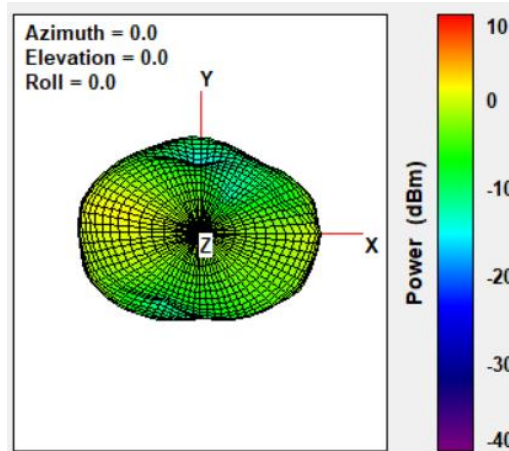
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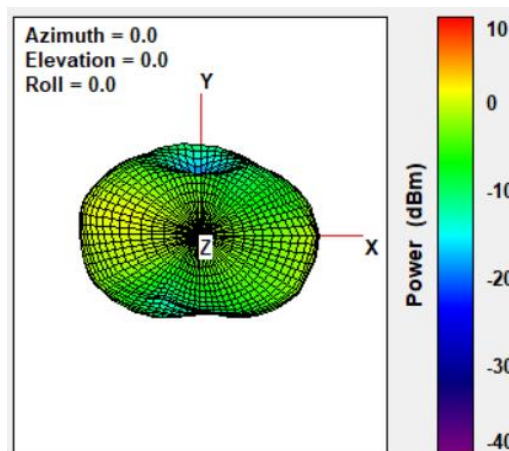
**CHARTS**

**AUX Antenna Tablet**

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	1.37



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	1.07



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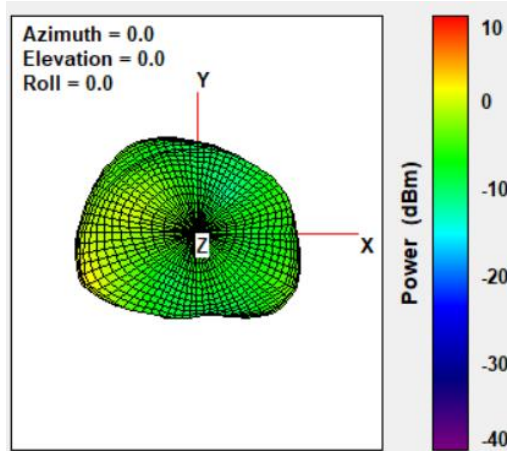
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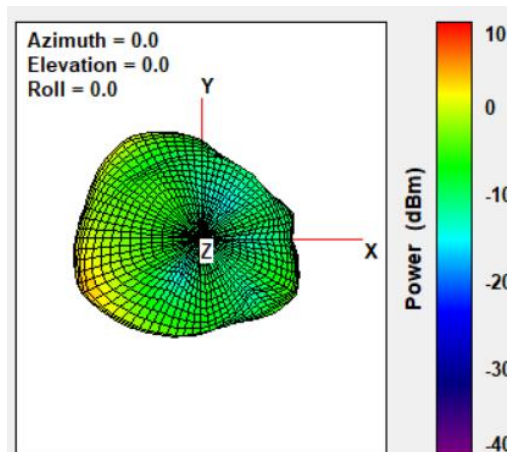
**CHARTS**

**AUX Antenna Tablet**

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	3.69



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	3.69



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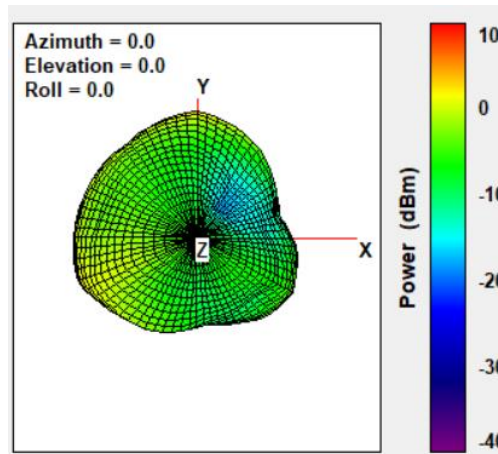
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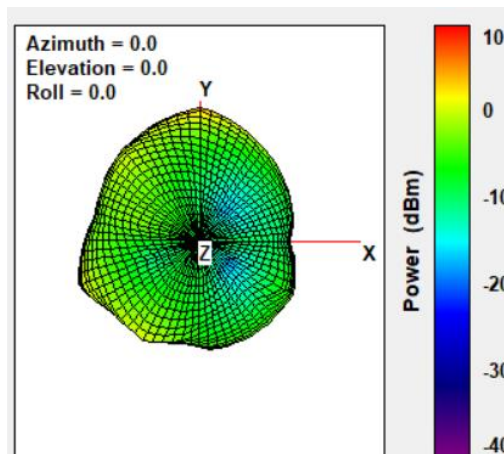
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**AUX Antenna Tablet**

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	3.47



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	3.27



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