



Series : UX8406 WIFI MAIN

Description : UX8406 WIFI MAIN

PULSE P/N : TZ2717E

PEGA P/N : 1415-0AEU0AS

ASUS P/N : 14008-05930000

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	34.98 x 8.92 x 5.65mm
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	0.59	2.23	1.02
5150-5250	0.18	0.94	1.34
5250-5350	0.18	0.94	1.36
5470-5725	-0.50	0.06	1.41
5725-5850	0.50	0.18	1.42
5850-5895	0.50	-0.28	1.43
5925-6425	0.36	0.24	1.50
6425-6525	0.66	1.13	1.51
6525-6875	0.66	1.13	1.55
6875-7125	-0.69	-0.58	1.57



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Antenna Efficiency

Frequency (MHz)	Main NB eff. (dB)	Main tablet eff. (dB)	Main NB PG (dBi)	Main tablet PG (dBi)
2400	-5.50	-5.69	-0.26	0.28
2412	-5.25	-5.30	-0.17	0.60
2437	-4.41	-4.08	0.59	1.78
2462	-4.19	-3.76	0.50	2.23
2500	-4.89	-4.15	-0.40	1.47
5150	-5.10	-4.64	-0.18	0.06
5250	-5.12	-4.26	0.18	0.94
5350	-5.64	-5.08	-0.41	0.28
5470	-5.90	-6.08	-1.07	-1.46
5600	-5.76	-5.34	-0.94	-1.00
5725	-5.87	-5.40	-0.50	0.06
5785	-5.55	-5.42	-0.64	0.18
5850	-4.99	-4.92	0.50	-0.28
5895	-4.99	-4.89	0.26	-0.28
5925	-4.98	-5.10	0.27	-0.23
6125	-5.06	-4.51	-0.51	-1.04
6425	-4.47	-3.86	0.36	0.24
6525	-4.44	-3.82	0.66	1.13
6725	-5.31	-4.09	0.20	0.09
6875	-6.12	-5.20	-0.92	-0.58
6925	-6.36	-5.20	-0.69	-1.09
7125	-6.96	-6.06	-1.52	-1.75

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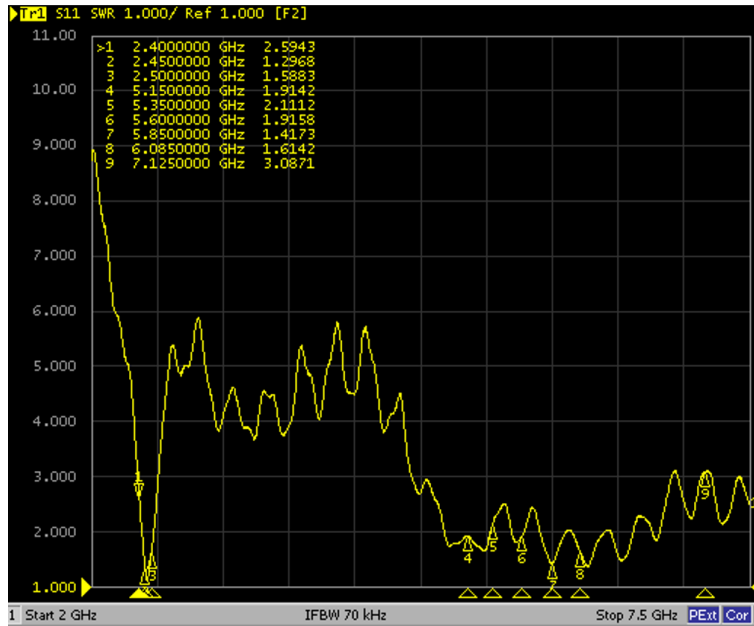
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Performance Data (within the equipment)

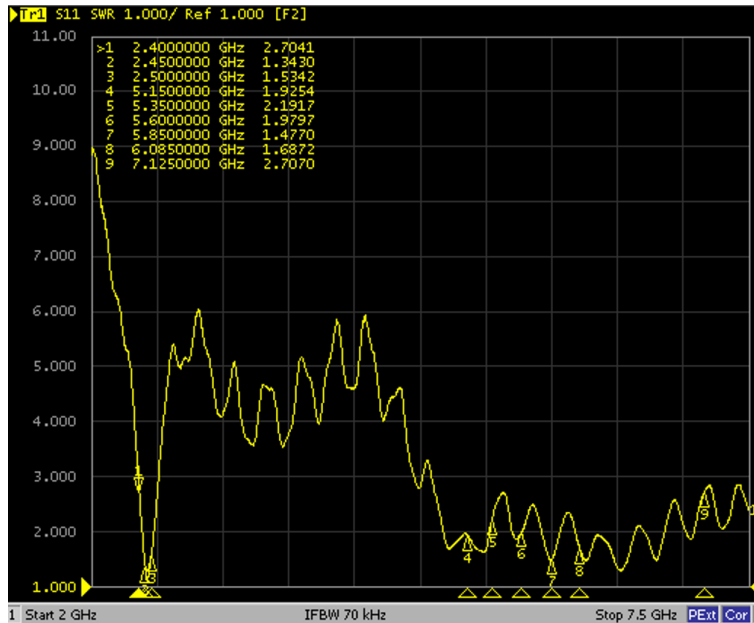
VSWR:

NB Mode



VSWR:

Tablet Mode



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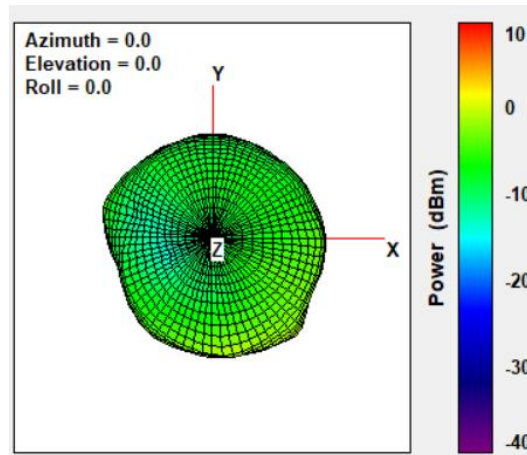
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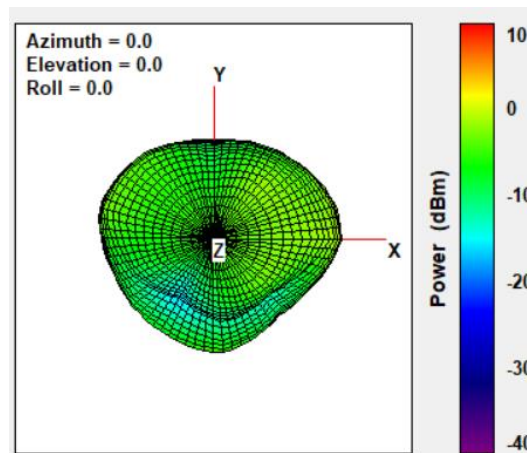
CHARTS

Main Antenna NB

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2500	0.59



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	0.18



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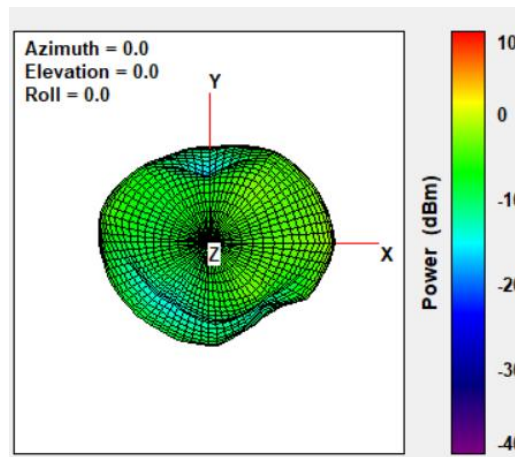
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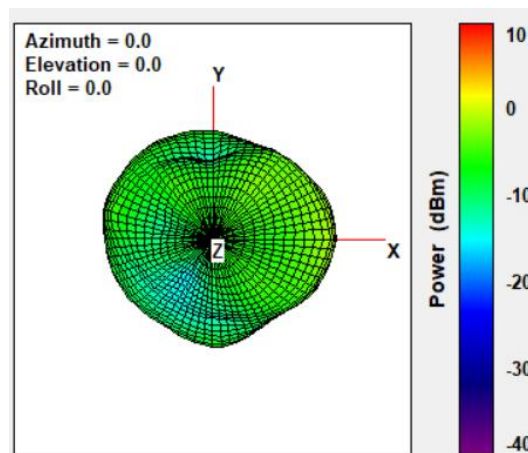
CHARTS

Main Antenna NB

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	0.18



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	-0.50



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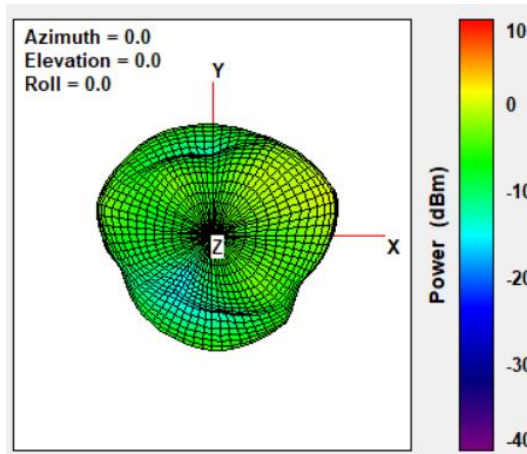
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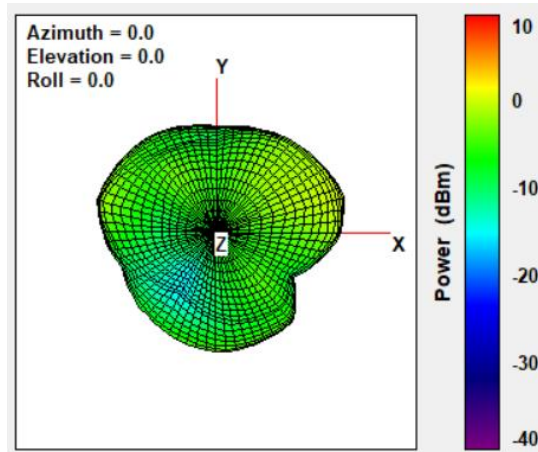
CHARTS

Main Antenna NB

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	0.50



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	0.50



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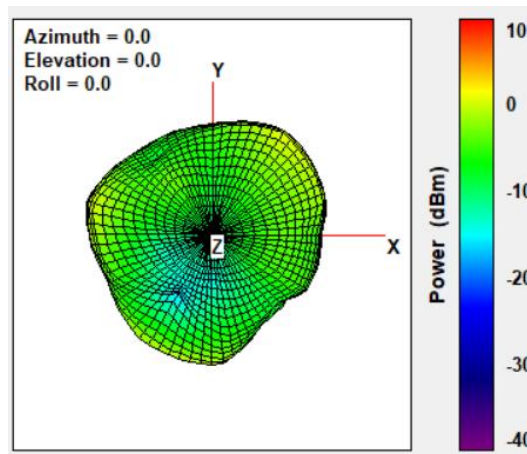
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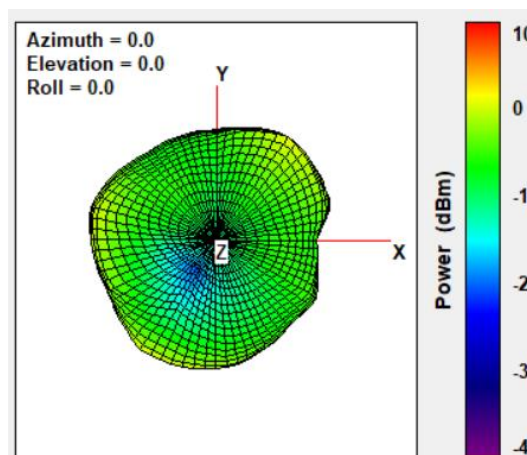
CHARTS

Main Antenna NB

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	0.36



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	0.66



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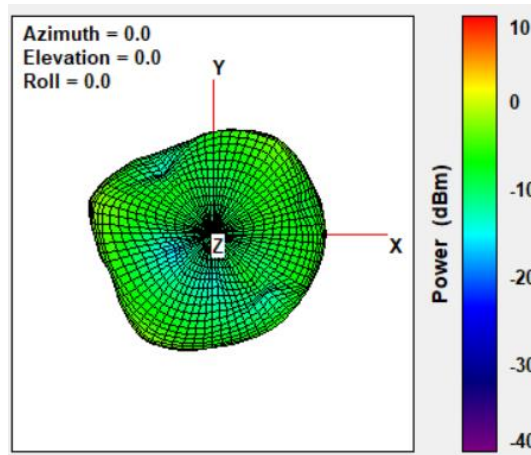
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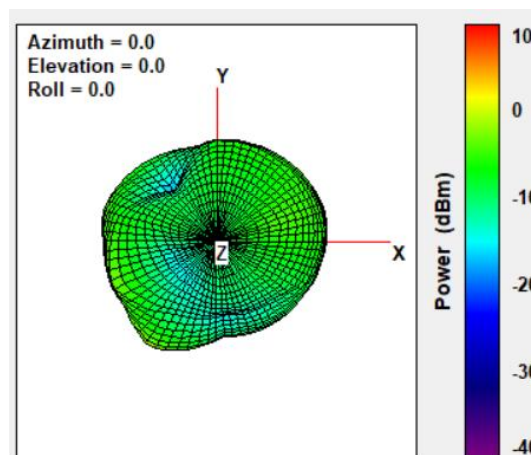
CHARTS

Main Antenna NB

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	0.66



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	-0.69



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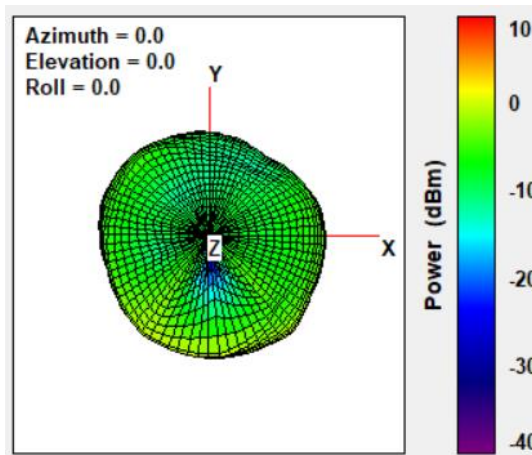
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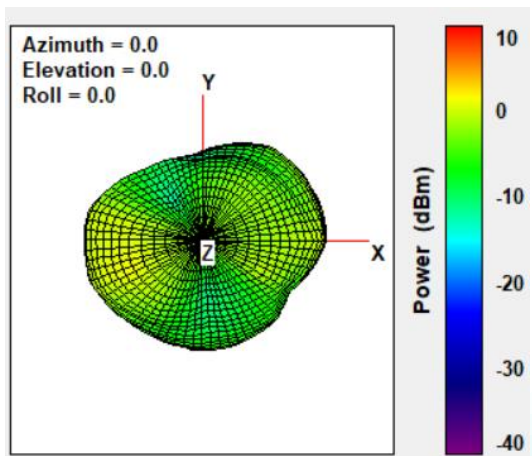
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Main Antenna Tablet

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.23



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	0.94



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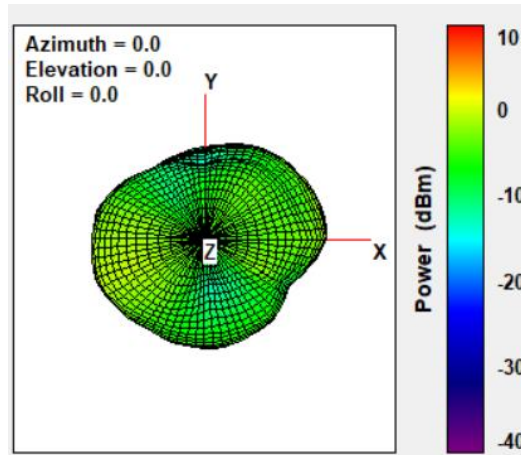
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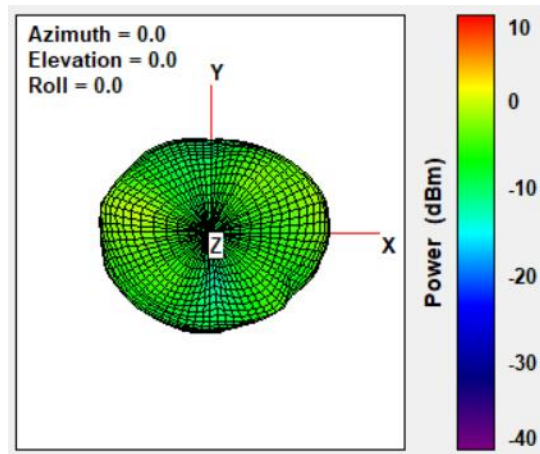
CHARTS

Main Antenna Tablet

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	0.94



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	0.06



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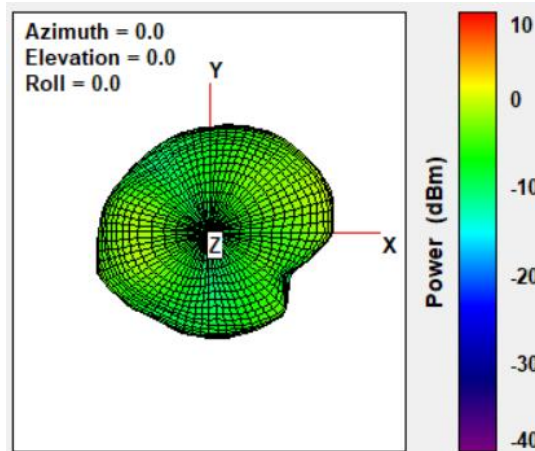
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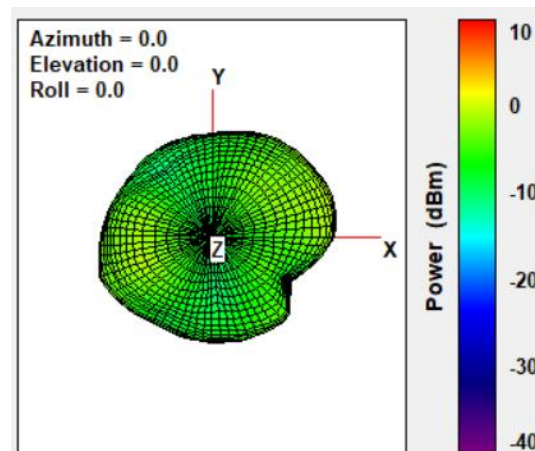
CHARTS

Main Antenna Tablet

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	0.18



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	-0.28



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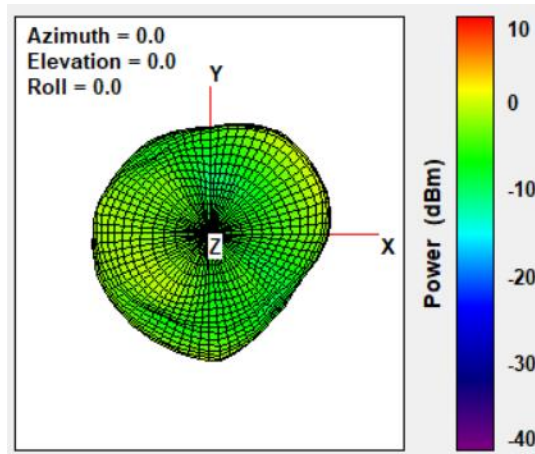
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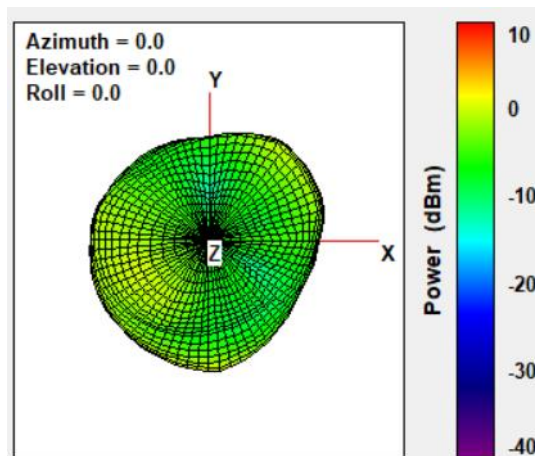
CHARTS

Main Antenna Tablet

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	0.24



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	1.13



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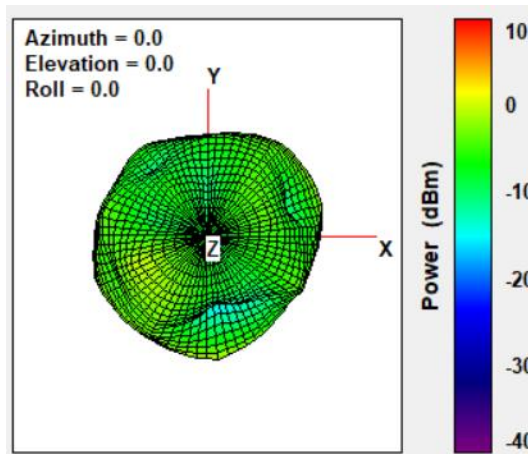
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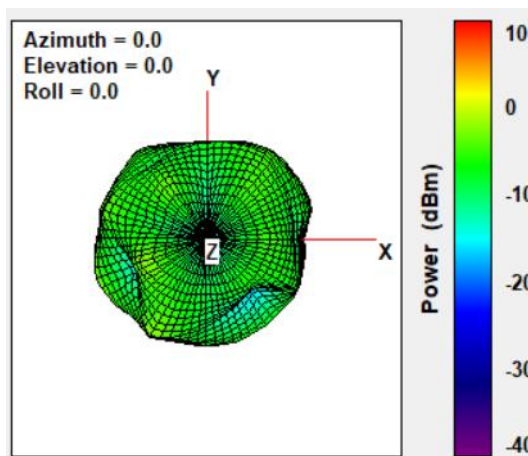
CHARTS

Main Antenna Tablet

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	1.13



Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	-0.58



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