

## Product Specification



Dimension : 94mmx21mmx0.2mm

### ➤ Features

- FPC High Efficiency Wide Band LTE Antenna
- Linear Polarization
- Omni-Directional
- RF cable with IPEX Connector or Optional
- Miniature and Light Weight
- RoHS Compliance
- 3M300LSE adhesive

### ➤ Applications

- Tracking Devices
- Tablets
- Laptops
- Automotive
- NB-IoT, CAT-M
- Cellular 2/3/4G LTE

# Flex WB LTE Antenna (698MHz to 3000MHz)

Part No. GALTENB-WB01



## Specification

ELECTRICAL						
Frequency (MHz)	698 - 960	1575	1710-1990	2100-2170	2400-2500	2496-2690
S11 (dB)	<-6	<-10	<-10	<10	<-10	<-10
VSWR	<3.01	<1.92	<1.92	<1.92	<1.92	<1.92
Peak Gain (dBi)	3.2	4.57	3.7	4.4	5.0	5.0
Average Total Efficiency (%)	59	71	77	79	78	79
Average Gain (dB)	-2.29	-1.48	-1.13	-1.02	-1.07	-1.02
Polarization	Linear					
Radiation Pattern	Omni					
Input Power	5 Watts Max					
Input Impedance	50 ohms					

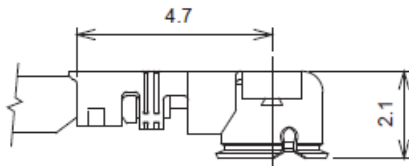
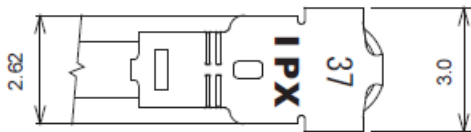
MECHANICAL	
Dimension	94mmx21mmx0.3mm
Coxial Cable	Length 150 +/-3mm , Dia 1.37mm
Connector	IPEX
ENVIROMENTAL	
Temperature Range	-40°C to +85°C
Humidity	40% to 95% RH

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## ➤ Cables



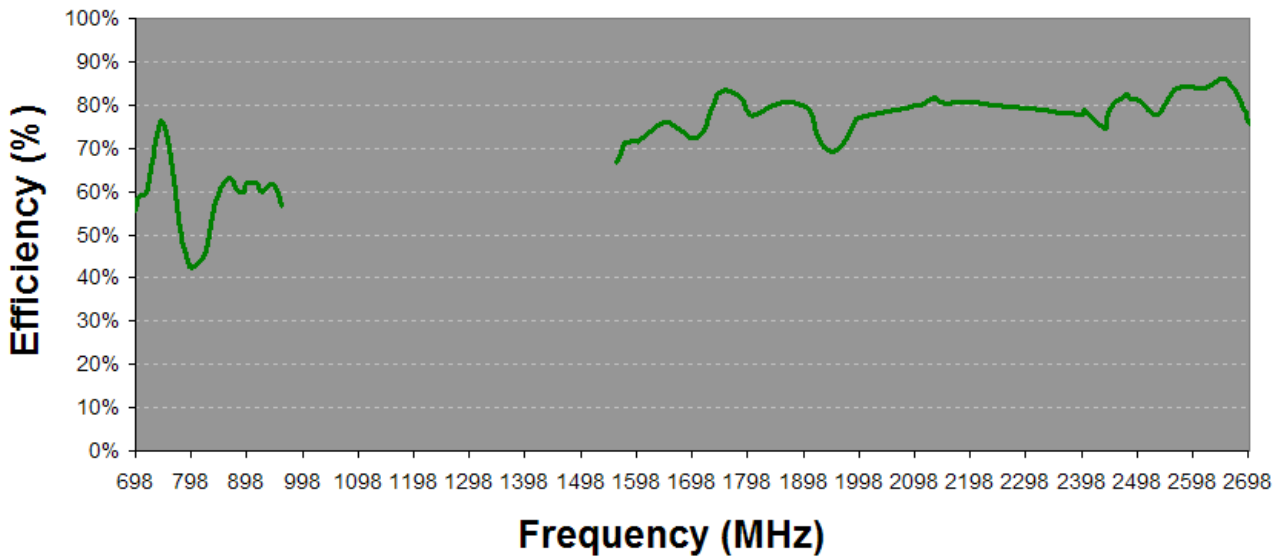
-IPex Connector



Unit : mm +/-0.3mm

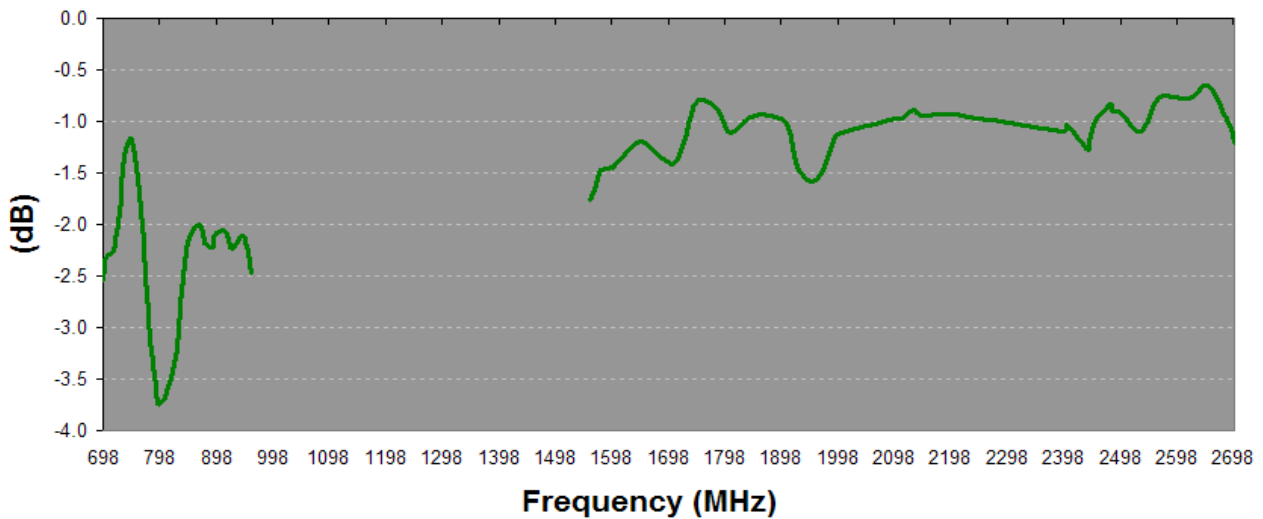
➤ **Total Efficiency**

**Total Efficiency**



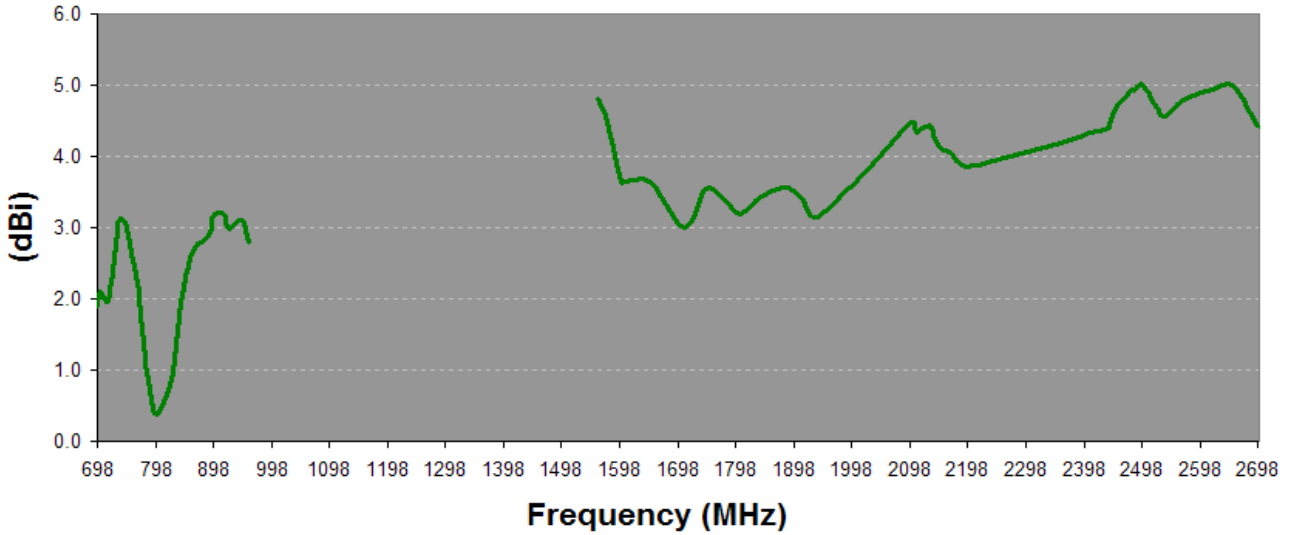
➤ **Average Gain**

**Average Gain**



➤ Peak Gain

Peak Gain

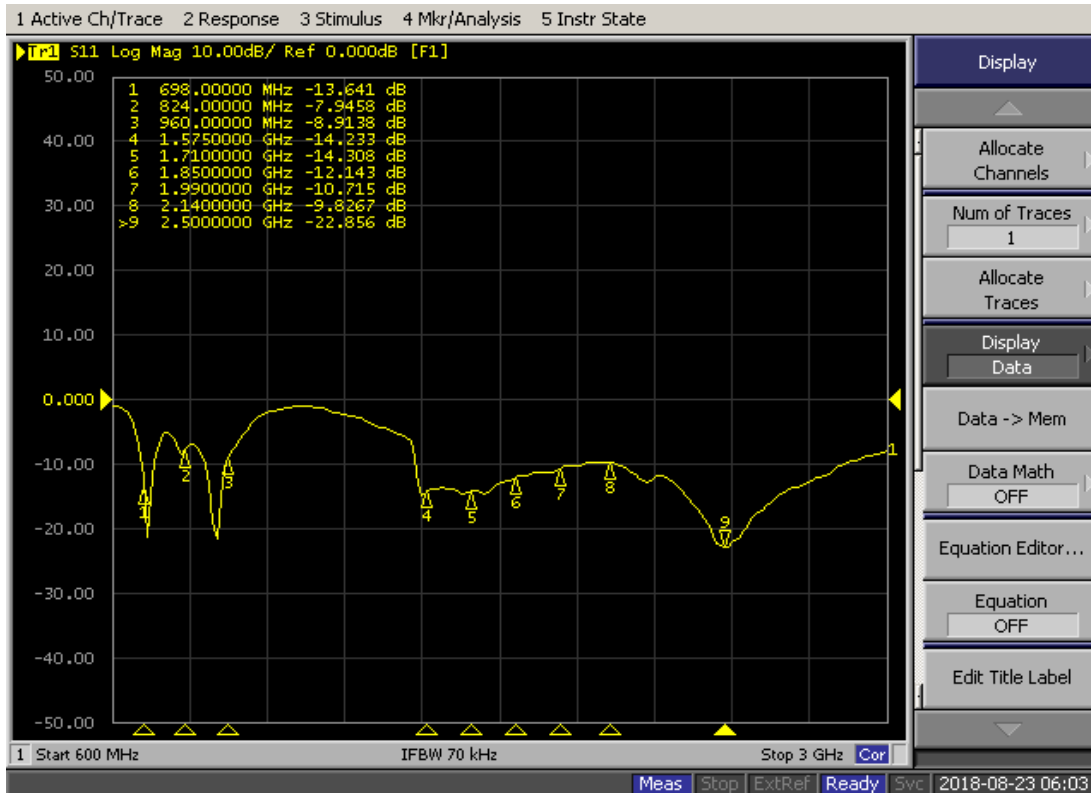


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## ➤ Reference S11

- \*Placed Antenna on 2mm thickness of PC/ABS Casing
- \*Cable length: 150mm

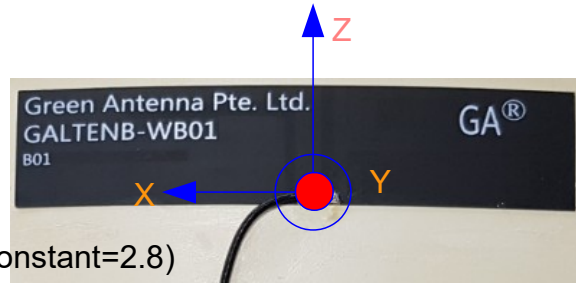


# Flex WB LTE Antenna (698MHz to 3000MHz)

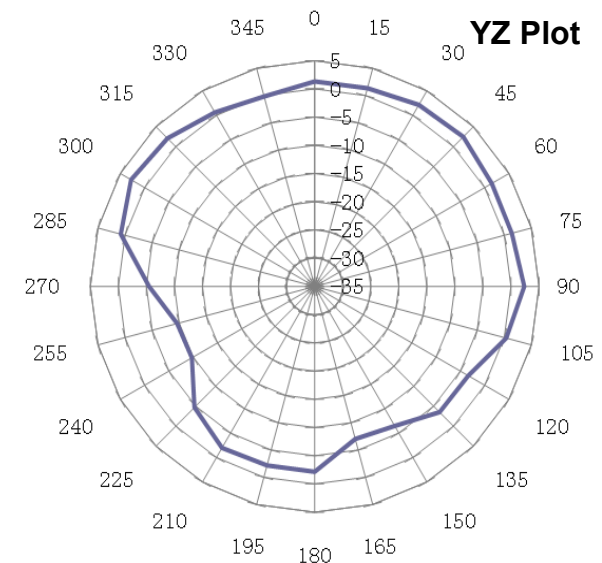
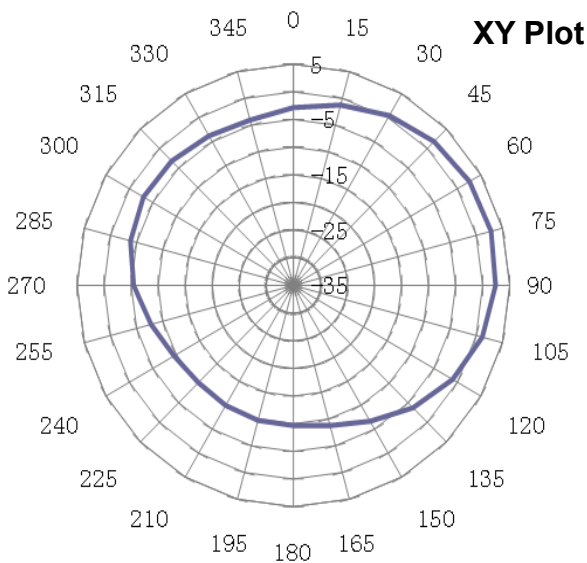
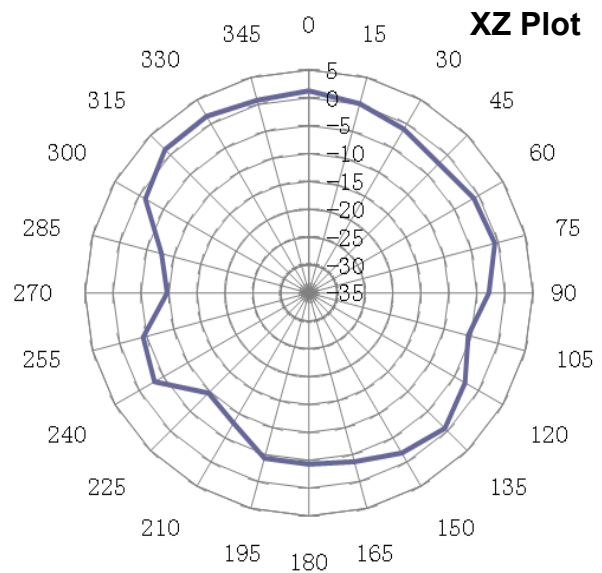
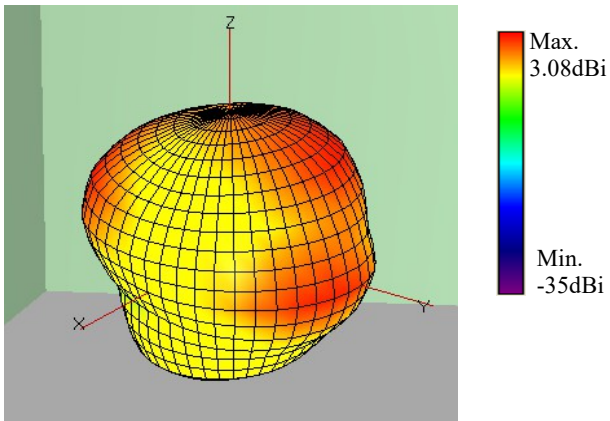
Part No. GALTENB-WB01



## ➤ Radiation Pattern@746MHz



PC/ABS(Dieletric constant=2.8)



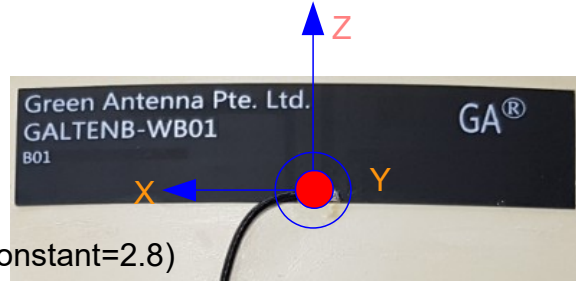
GA Antenna

# Flex WB LTE Antenna (698MHz to 3000MHz)

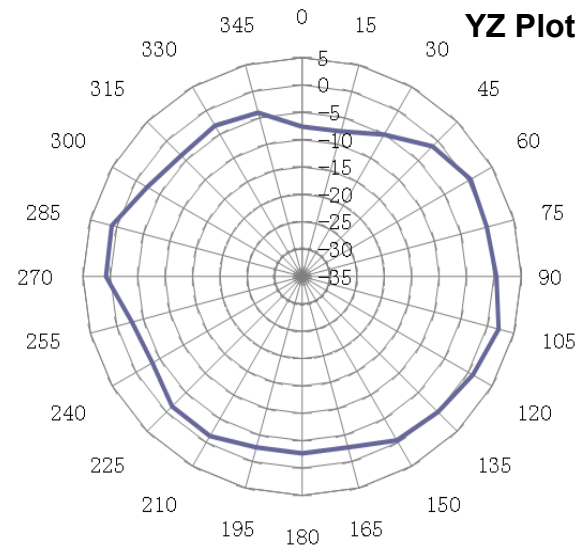
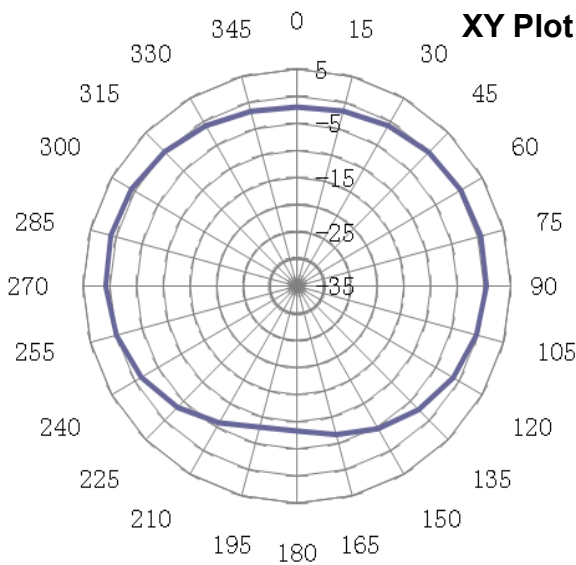
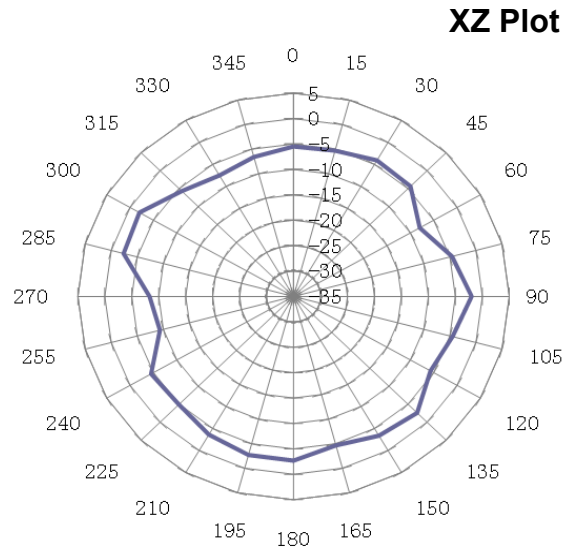
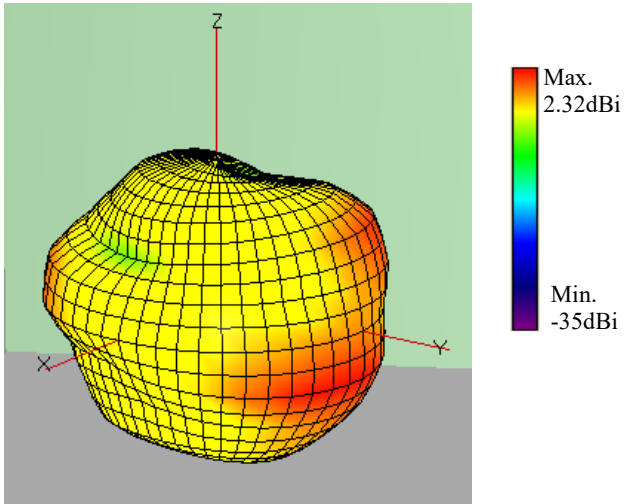
Part No. GALTENB-WB01



## ➤ Radiation Pattern@849MHz



PC/ABS(Dieletric constant=2.8)



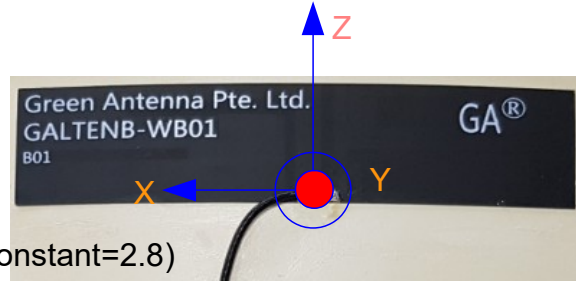
GA Antenna



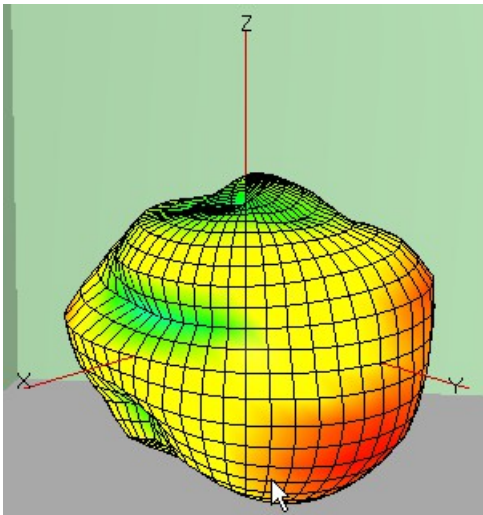
# Flex WB LTE Antenna (698MHz to 3000MHz) Part No. GALTENB-WB01



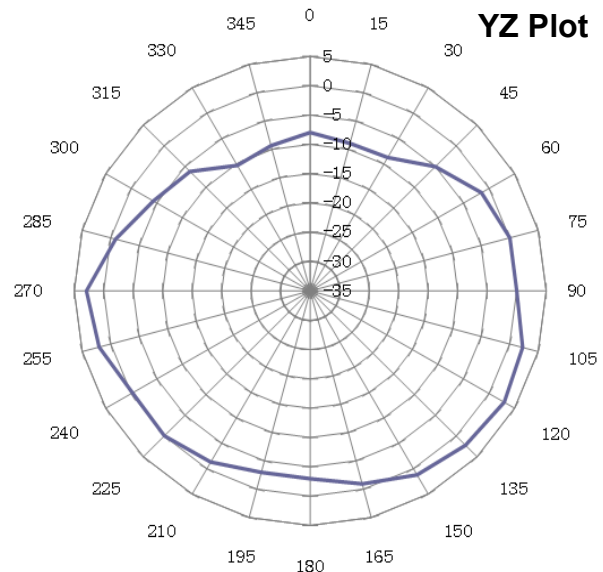
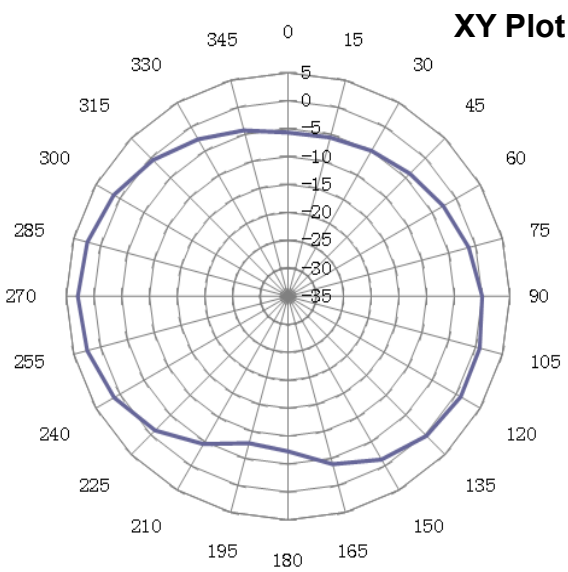
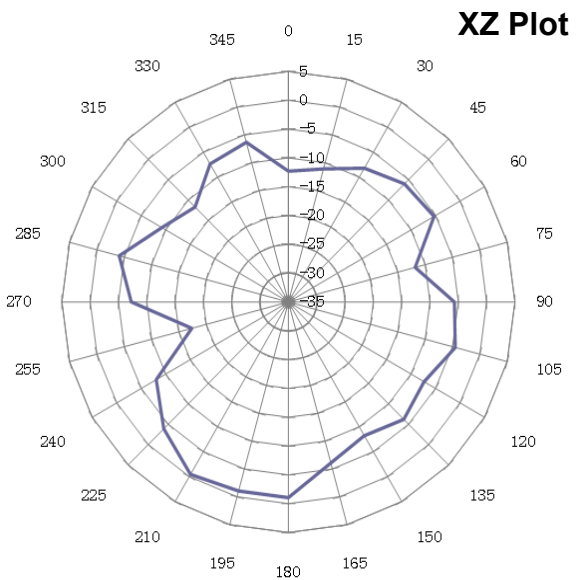
## ➤ Radiation Pattern@925MHz



PC/ABS(Dieletric constant=2.8)



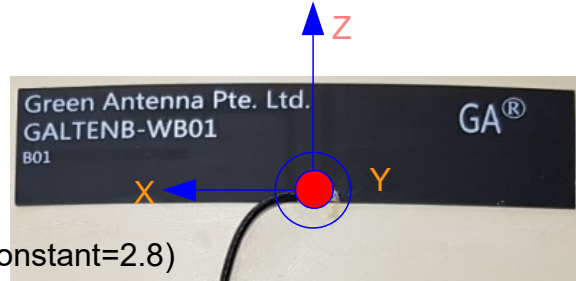
Max. 2.98dBi  
Min. -35dBi



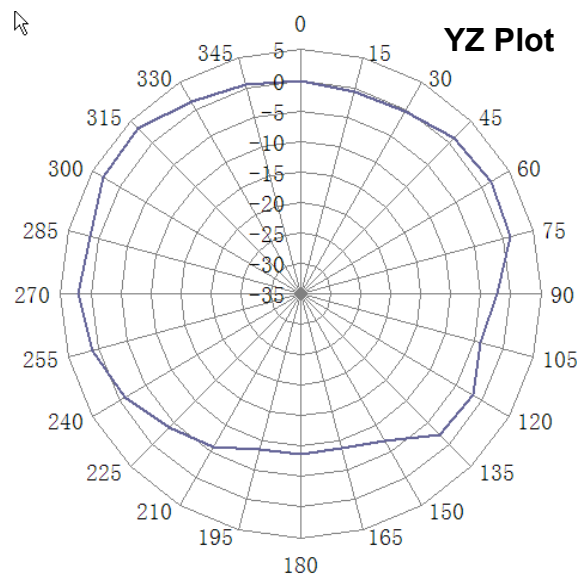
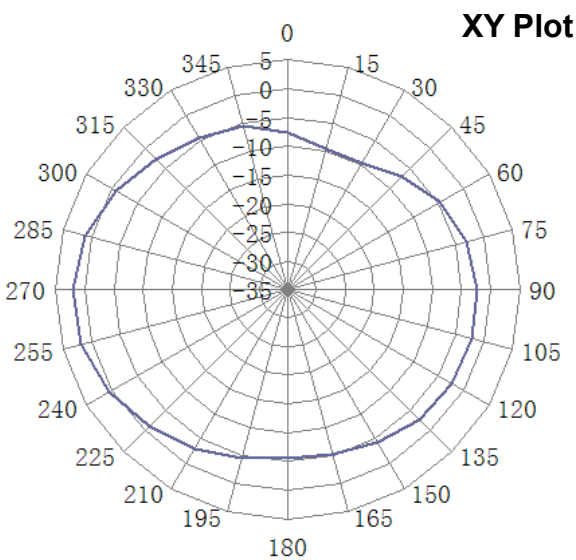
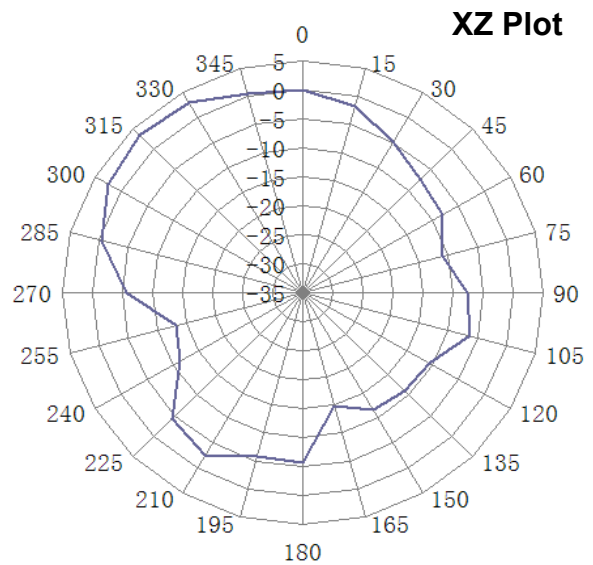
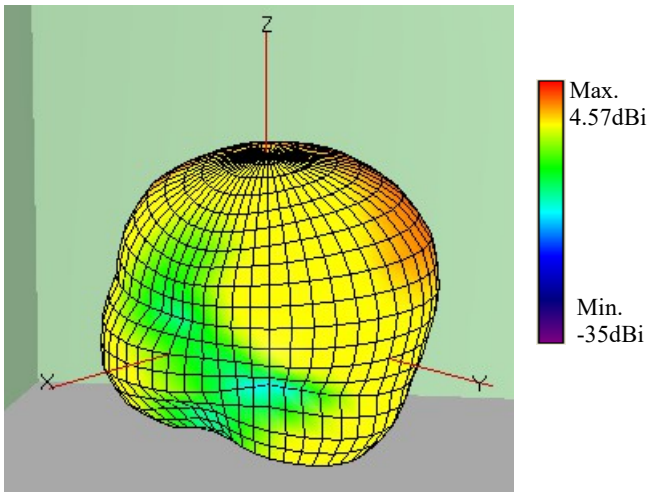
GA Antenna

**Flex WB LTE Antenna (698MHz to 3000MHz)**  
Part No. GALTENB-WB01

➤ **Radiation Pattern@1575MHz**

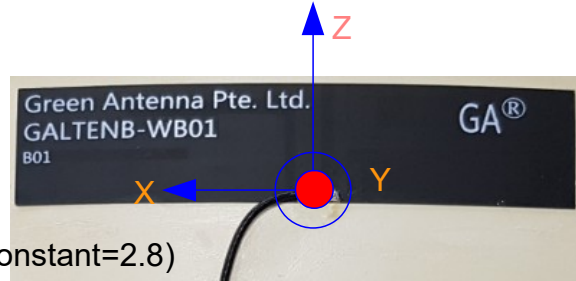


PC/ABS(Dieletric constant=2.8)

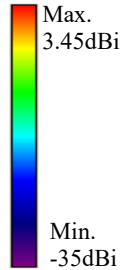
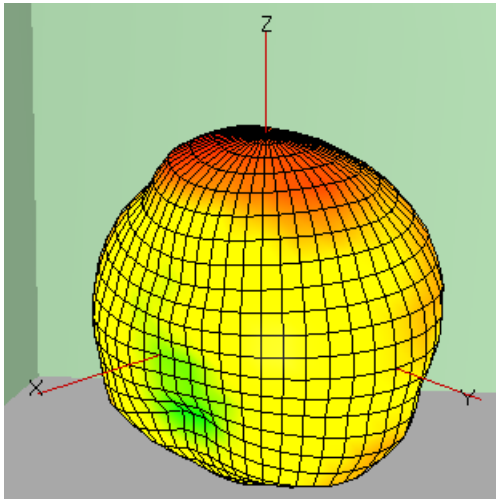


**Flex WB LTE Antenna (698MHz to 3000MHz)**  
Part No. GALTENB-WB01

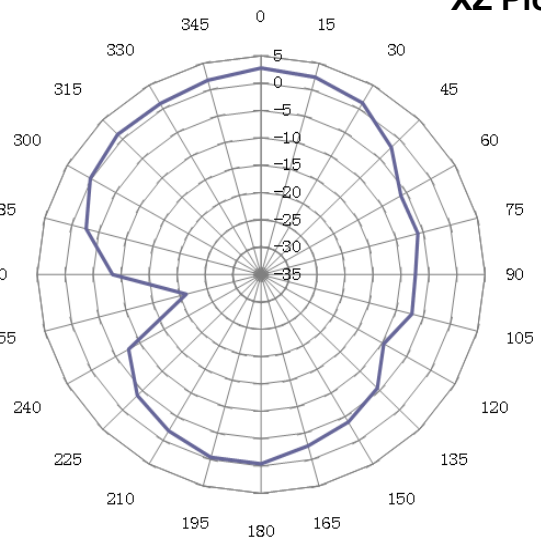
➤ **Radiation Pattern@1748MHz**



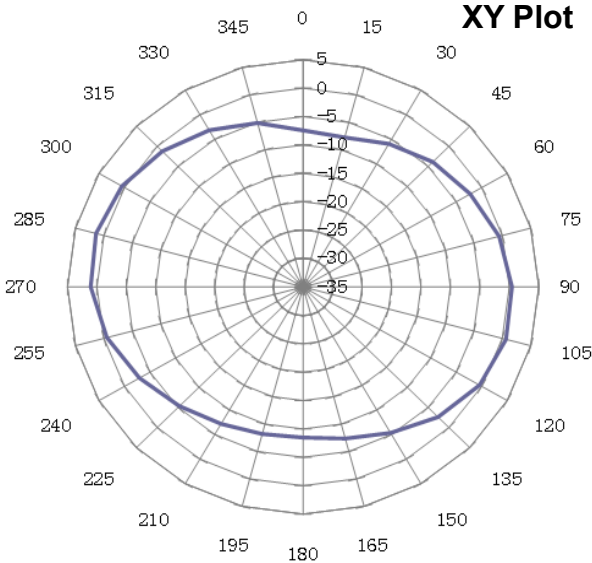
PC/ABS(Dieletric constant=2.8)



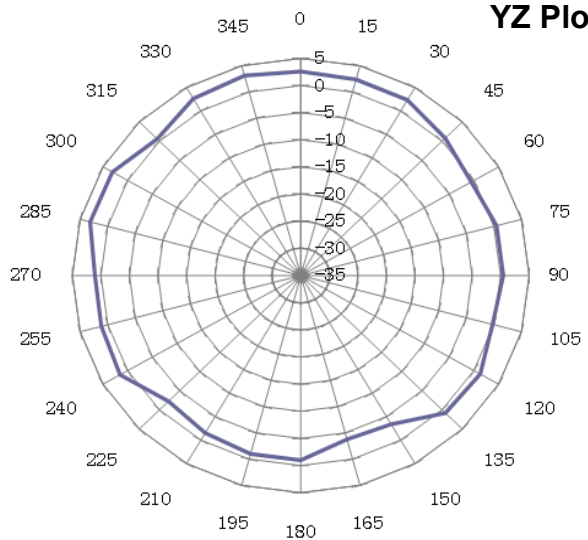
**XZ Plot**



**XY Plot**

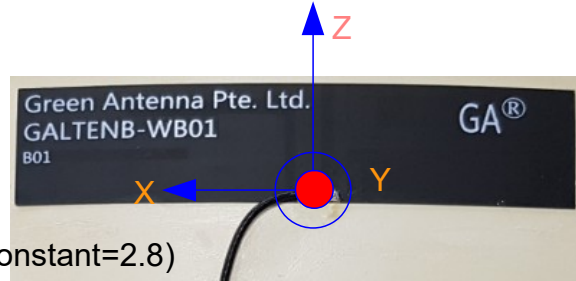


**YZ Plot**

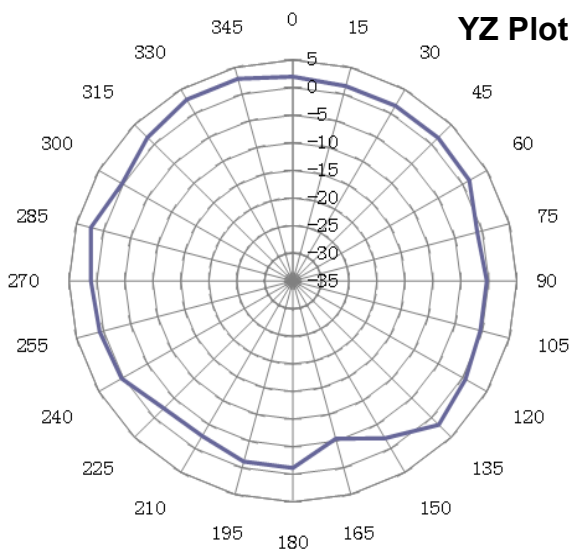
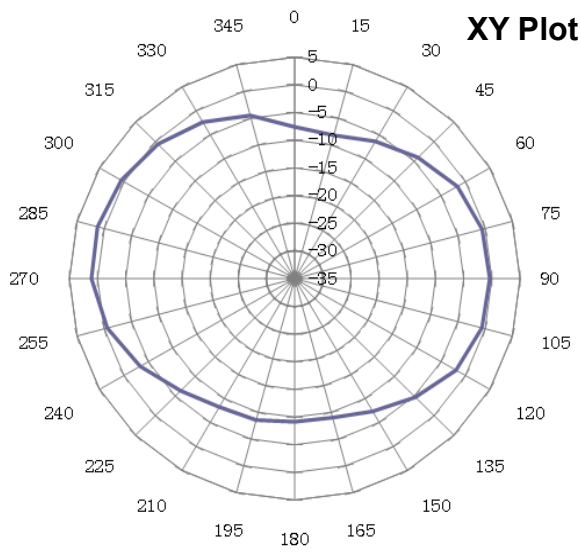
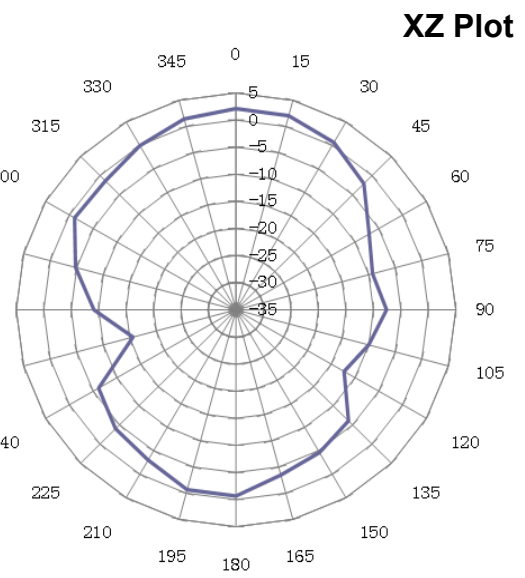
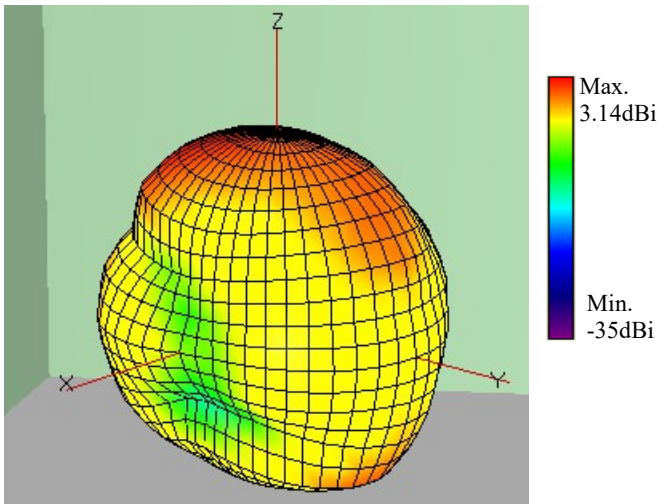


**Flex WB LTE Antenna (698MHz to 3000MHz)**  
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➤ **Radiation Pattern@1930MHz**



PC/ABS(Dieletric constant=2.8)

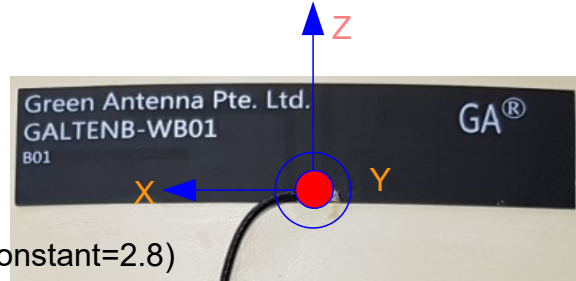


# Flex WB LTE Antenna (698MHz to 3000MHz)

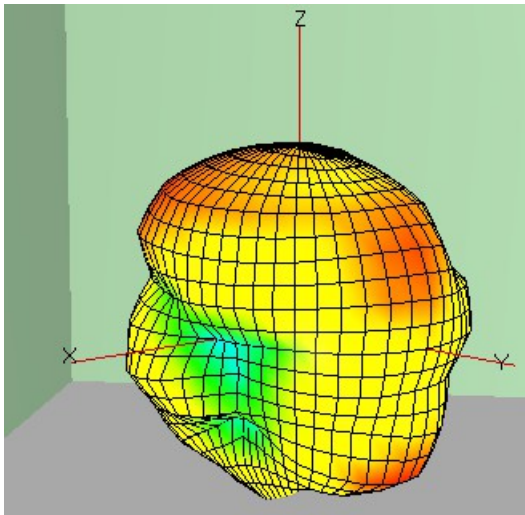
## Part No. GALTENB-WB01



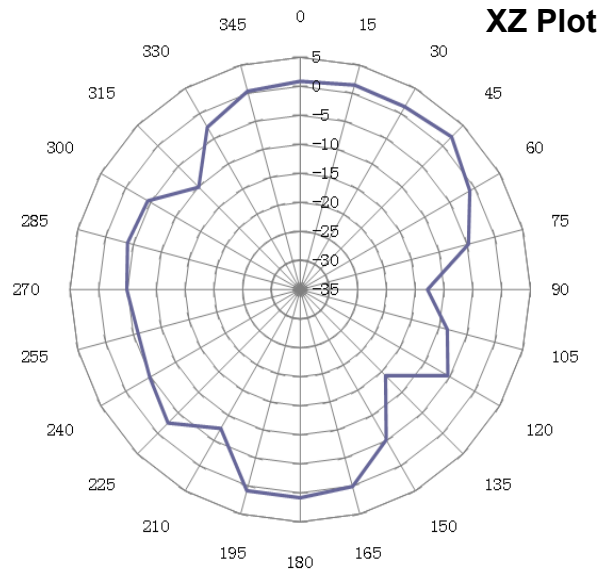
### ➤ Radiation Pattern@2140MHz



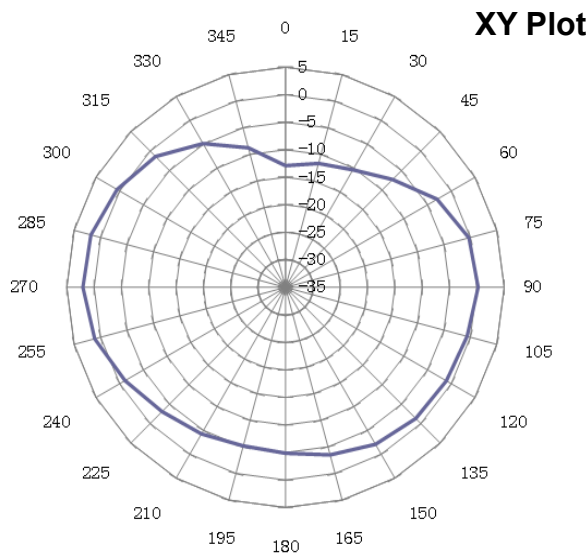
PC/ABS(Dieletric constant=2.8)



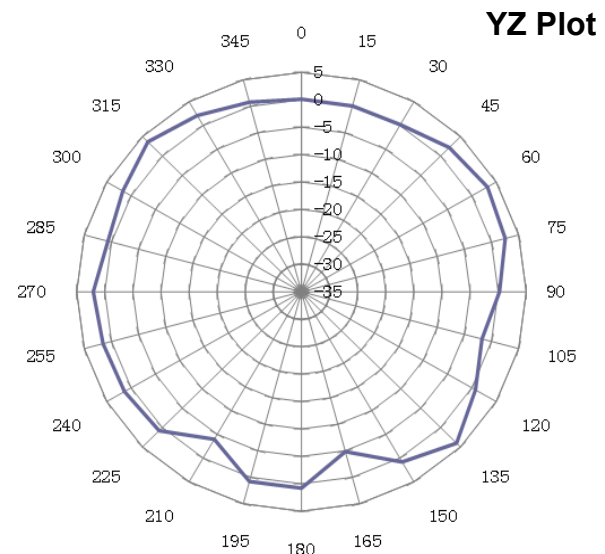
Max. 4.24dBi  
Min. -35dBi



XZ Plot



XY Plot

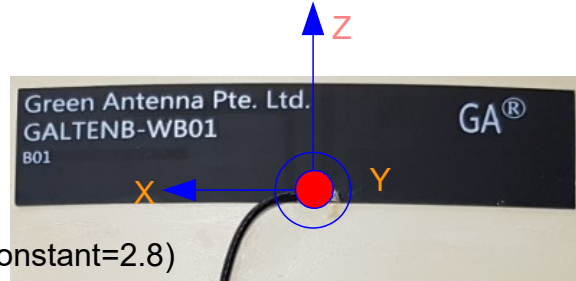


YZ Plot

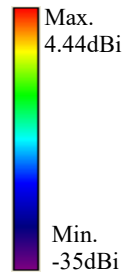
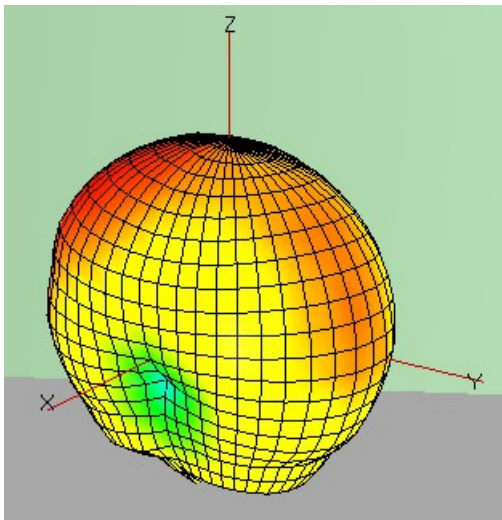
GA Antenna

**Flex WB LTE Antenna (698MHz to 3000MHz)**  
Part No. GALTENB-WB01

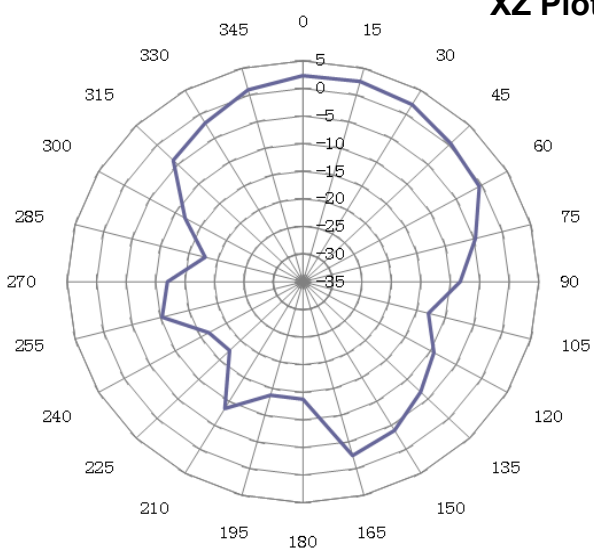
➤ **Radiation Pattern@2442MHz**



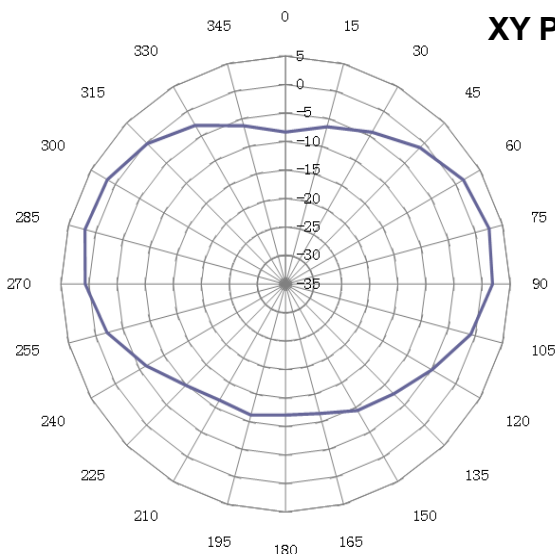
PC/ABS(Dieletric constant=2.8)



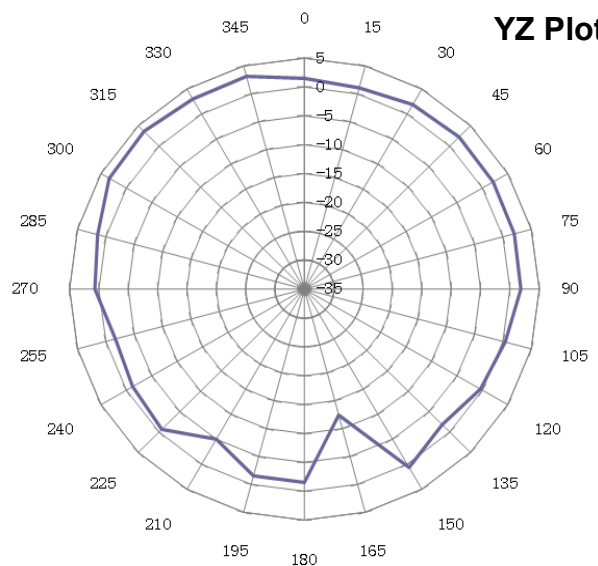
**XZ Plot**



**XY Plot**

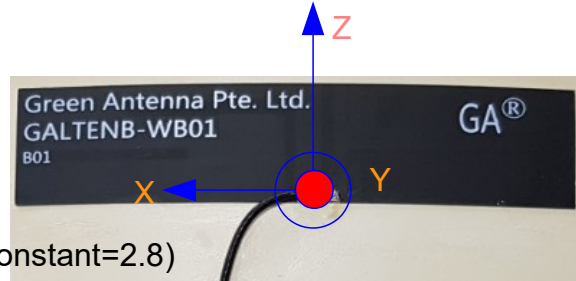


**YZ Plot**

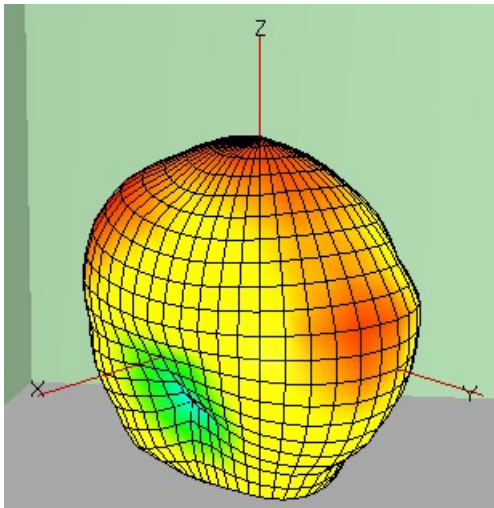


**Flex WB LTE Antenna (698MHz to 3000MHz)**  
Part No. GALTENB-WB01

➤ **Radiation Pattern@2620MHz**



PC/ABS(Dieletric constant=2.8)



Max. 5.01dBi  
Min. -35dBi

