

DATA SHEET

ARUBA USB LTE MODEM

Fully managed, plug-and-play LTE modem for global enterprise deployments

For enterprises who require high speed WAN uplinks to support small office/home office, branch and pop-up locations, the Aruba USB LTE modem makes it easy to add primary or backup WAN connectivity. With plug and play support for Aruba networking devices, organizations no longer need to worry about third party compatibility, multiple purchase orders, or manual configuration.

EASY TO USE

Designed as plug and play, the Aruba USB LTE Modem does not require any configuration for Aruba network devices in most carrier environments. In addition, the Aruba USB LTE Modem uses a swivel plug-in for greater plug-in flexibility.

ARUBA VALIDATED

The Aruba USB LTE Modem is fully compatible with Aruba hardware making it easier to purchase and rollout support across the enterprise. It can be used with a variety of network devices including Aruba 9004/9012 and 7000 Series gateways and our 300 Series, 500 Series and 600 Series Campus and Hospitality/Remote APs. The Aruba USB LTE Modem supports on-premises AP-only or controller deployments as well as cloud-managed access points or gateways, allowing you to continue using Aruba USB LTE Modems even if your architecture changes.

BUSINESS CONTINUITY

Offering high speed connectivity with LTE Cat 12 speeds, the Aruba USB LTE Modem can be used as a backup or as a primary WAN uplink depending on business requirements.



KEY FEATURES

- Plug-and-play LTE connectivity for Aruba Access Points and Gateways
- Global support for nearly all major carriers
- High speed connectivity with LTE Cat 12 speeds
- Configurable as a backup or primary WAN uplink that is ideal for small office/home office, branch, and pop-up locations
- Management flexibility to use either Aruba Central or Aruba AirWave



TECHNICAL SPECIFICATIONS	
Supported Network Devices	
RAP-IAP Deployments	AP-303H, AP-303HR, AP-304/305, AP-314/315, AP-324/325, AP-334/335, AP-505H, AP-505HR, AP-504/505, AP-514/515, AP-534/535, AP-555, AP-635, AP-655
Gateways	9004/9012, 7000 series
Management Support	Aruba Airwave for on-prem IAP and Remote AP (RAP) deployments starting with Airwave 8.2.14.1 Aruba Central support with Gateways and MicroBranch starting with AOS 10.4/Central 2.5.6
Supported Bands	
LTE FDD	B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B21/B25/B26/B28/B29/B30/B32/B66
LTE TDD	B38/B39/B40/B41
LTE CAT12 Max Speeds	FDD: Max 480Mbps (DL)/150Mbps (UL) TDD: Max 430Mbps (DL)/90Mbps (UL)
Carrier Aggregation	DL 2 CA: Inter-band CA/Intra-band CA DL 3 CA: Inter-band CA/Intra-band CA
WCDMA	B1/B2/B3/B4/B5/B8/B9/B19
GNSS	GPS/GLONASS/BeiDou/Galileo/QZSS
Interfaces and Indicators	
USB Connector	USB 2.0 270-degree swivel on one axis and 90-degree on another axis
Antennas (2)	Internal Main and Diversity. GNSS uses Diversity antenna
LED	Single LED dual color (Green and Orange) Steady Green: cellular link made Steady Orange: powered – but no cellular link
SIM	Accepts micro and nano single SIM Push in - push out
USB Extender Cable (optional)	5m long USB extender cable to place the modem in a location with better signal coverage
Physical	
Body Dimensions	L100 x W50 x H20 mm (3.9" x 1.9" x 0.8")
Weight	78g (2.75 oz)
Environmental	
Temperature Range	Operating: 0° C to 40° C (32° F to 104° F) Storage: -40° C to 70° C (-40° F to 158° F)
Humidity	Operating: 10% to 90% (RH), non-condensing Storage: 10% to 95% (RH), non-condensing
Altitude	10,000 feet
USB Power	3.5W Max
Regulatory and Safety Compliance	
Regulatory Model	ARMDMUSBLTE
Safety Certifications	UL/IEC/EN 60950 IEC/EN 62368-1



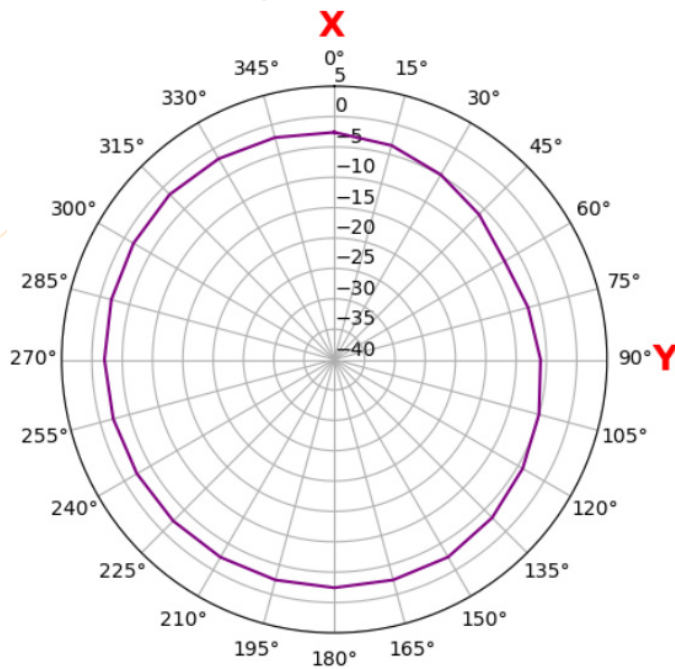
TECHNICAL SPECIFICATIONS (CONTINUED)

Regulatory and Safety Compliance (continued)

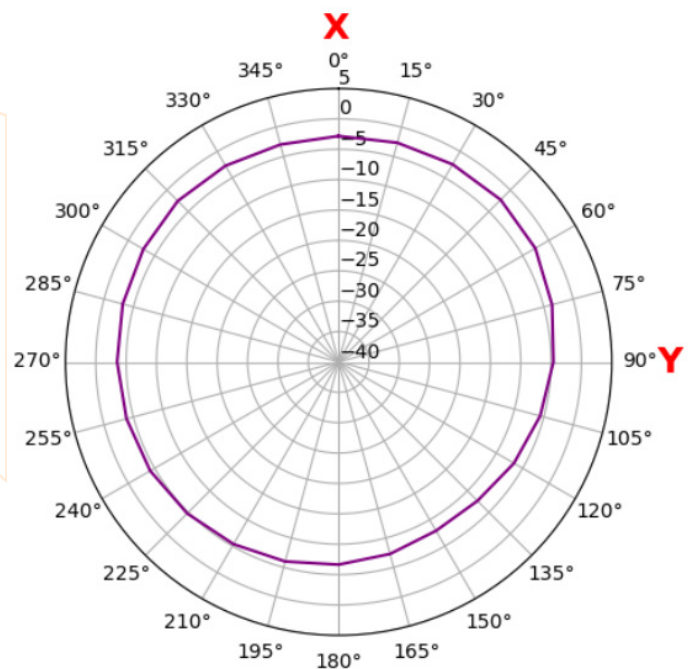
Electromagnetic Emissions Certifications	FCC Part 15 Class B CISPR32 Class B EN55032 Class B ICES-003 Class B VCCI Class B EN61000-3-2 EN61000-3-3 EN55024, EN55035, EN301 489-1, EN301 489-52 KN32 Class B, KN35, KN301 489-1, KN301 489-52 CNS13438 Class B
Telco	Common Language Equipment Identifier (CLEI) Code
Wireless Certifications	FCC/ISED RED Directive 2014/53/EU Others: MIC, NCC, ANATEL, COFTEL, CCC, PTCRB
Carrier Certifications	ATT, Verizon, and T-Mobile (all pending)
Service and Warranty Information	
Hardware Warranty	1-year parts/labor
Minimum Software Support	AOS/Instant 8.10.0.0 for IAPs/RAPs, AOS 10.4 with Central 2.5.6 for Gateways/MicroBranch

ANTENNA PATTERNS

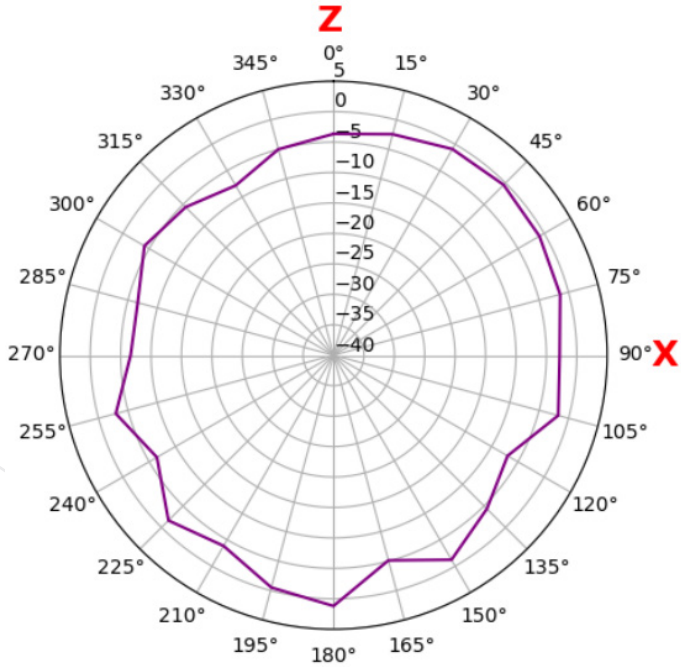
LTE: Main and Auxiliary Antennas



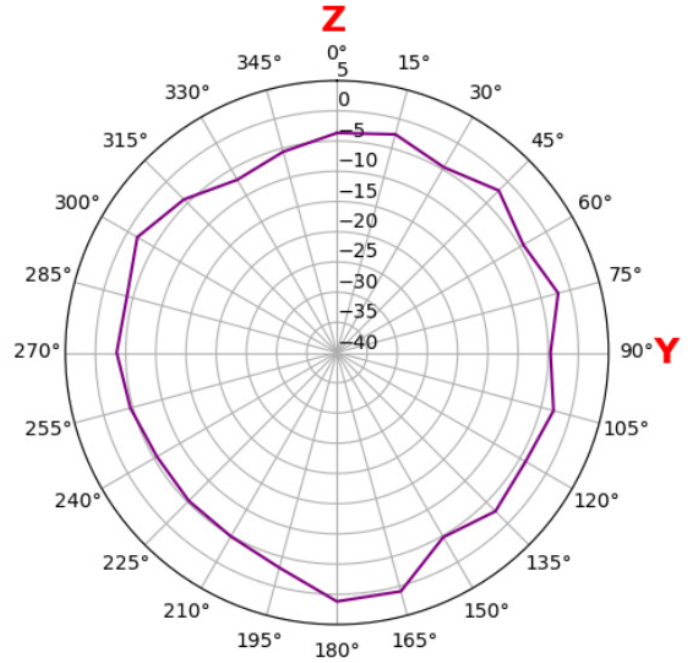
Main B2 1860MHz xy plane



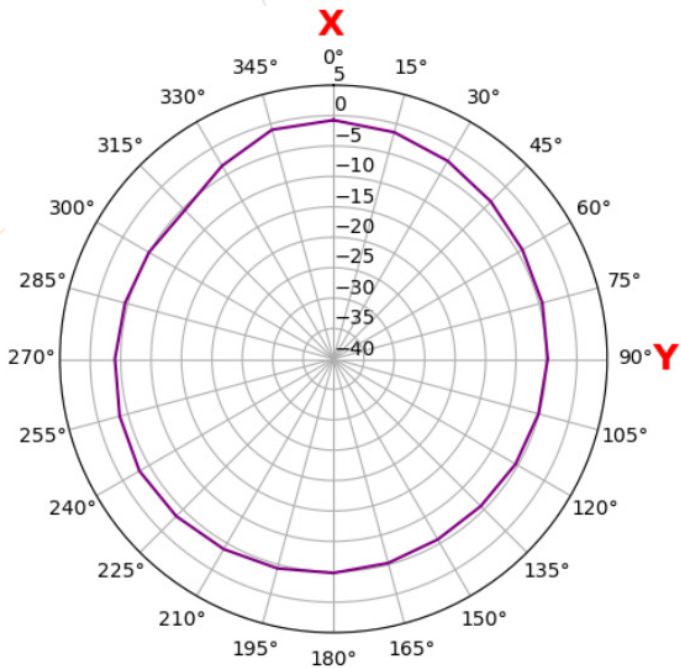
Main B2 1860MHz xz plane



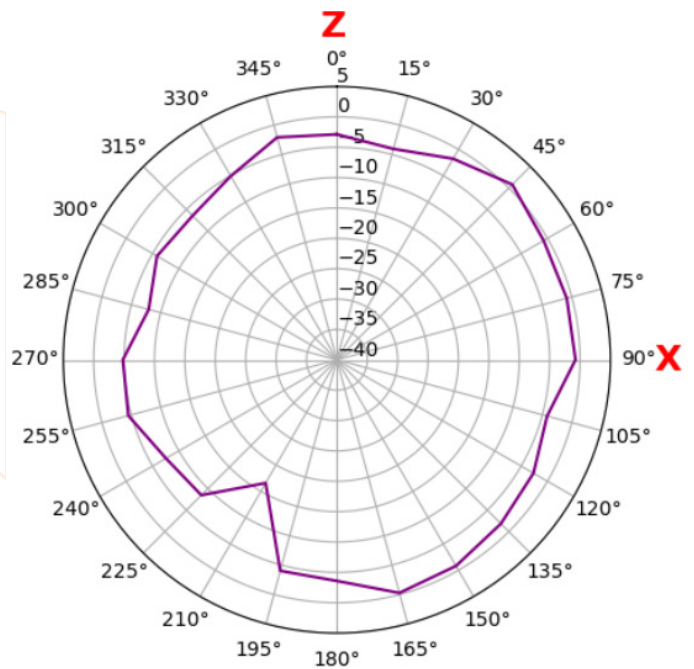
Main B2 1860MHz yz plane



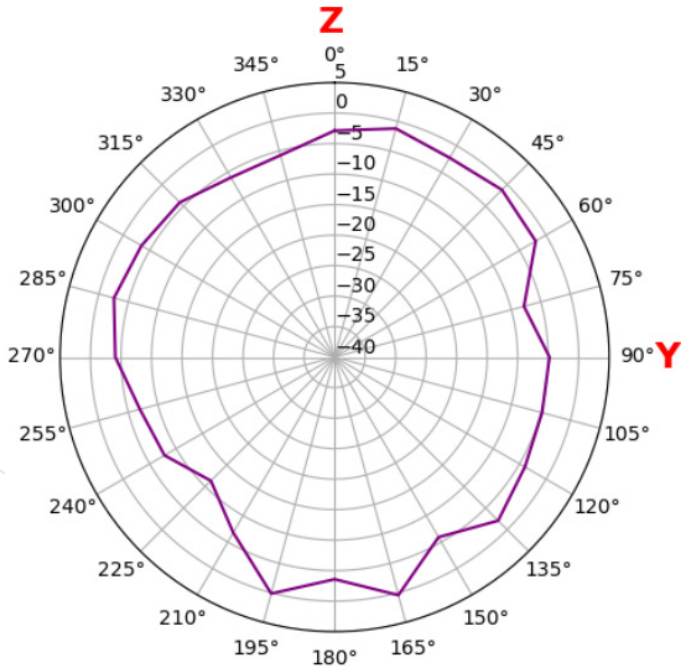
Main B7 2550MHz xy plane



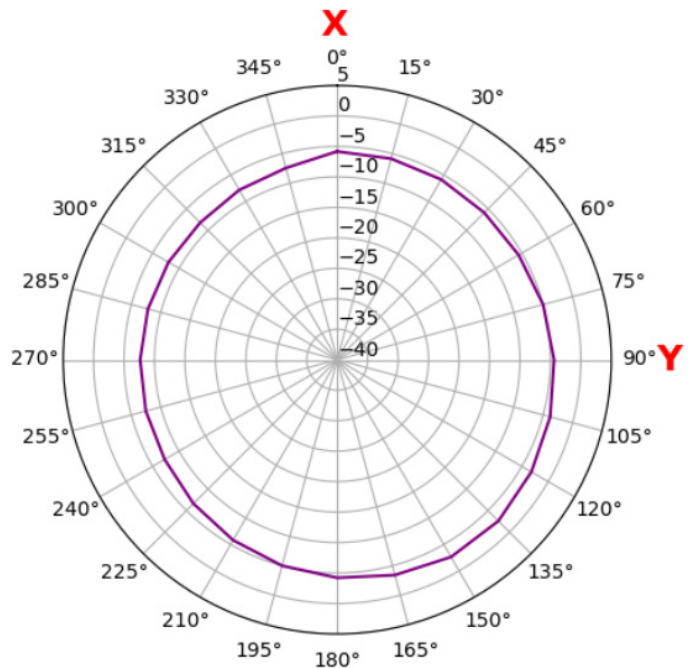
Main B7 2550MHz xz plane



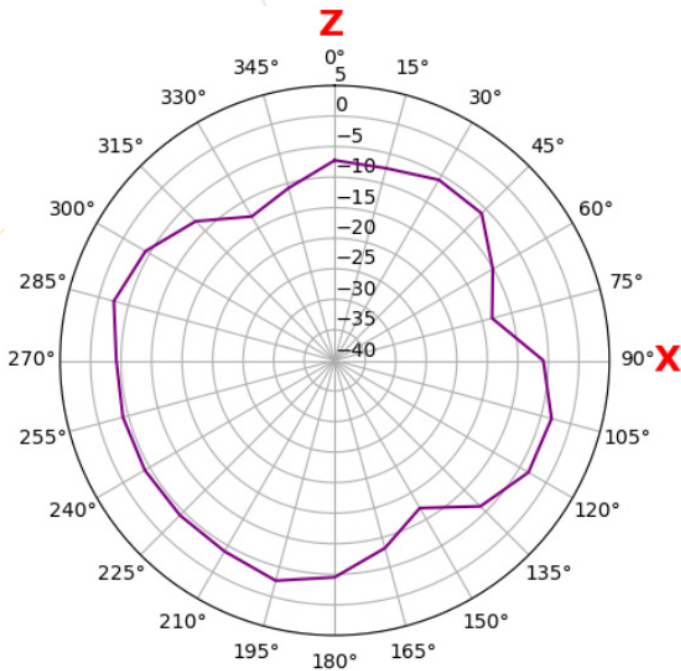
Main B7 2550MHz yz plane



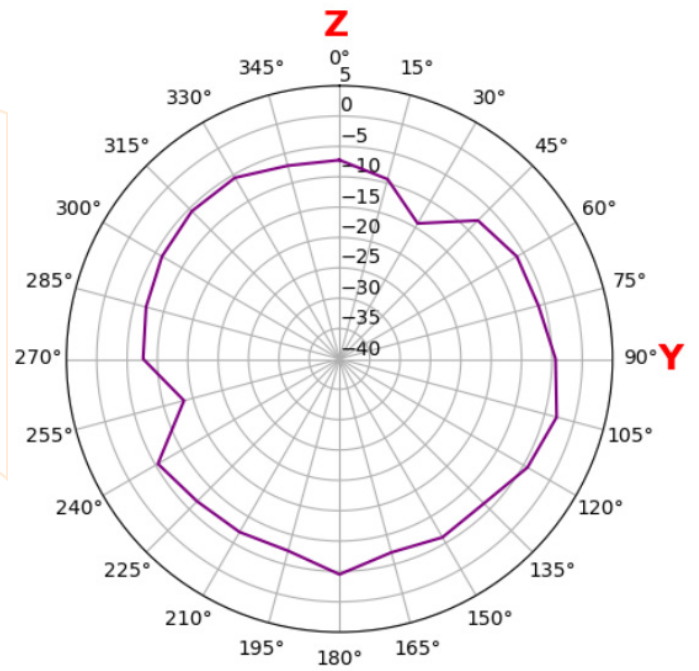
Main B13 780MHz xy plane



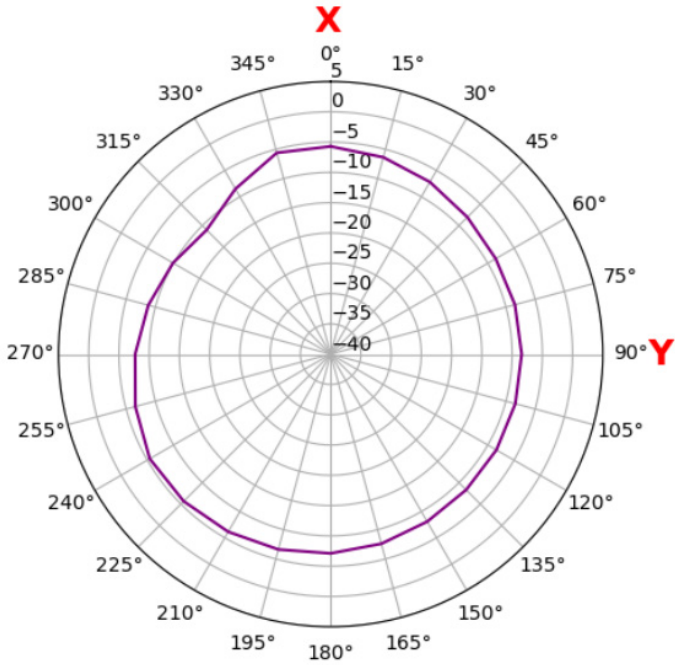
Main B13 780MHz xz plane



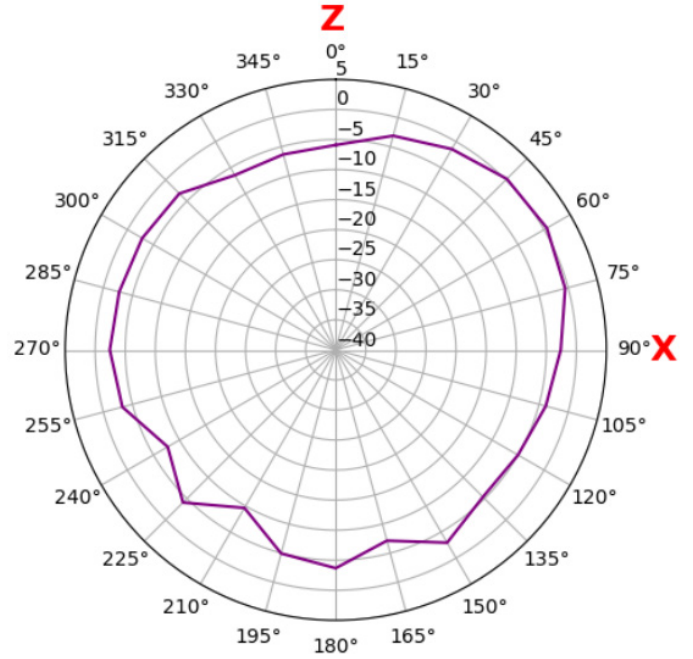
Main B13 780MHz yz plane



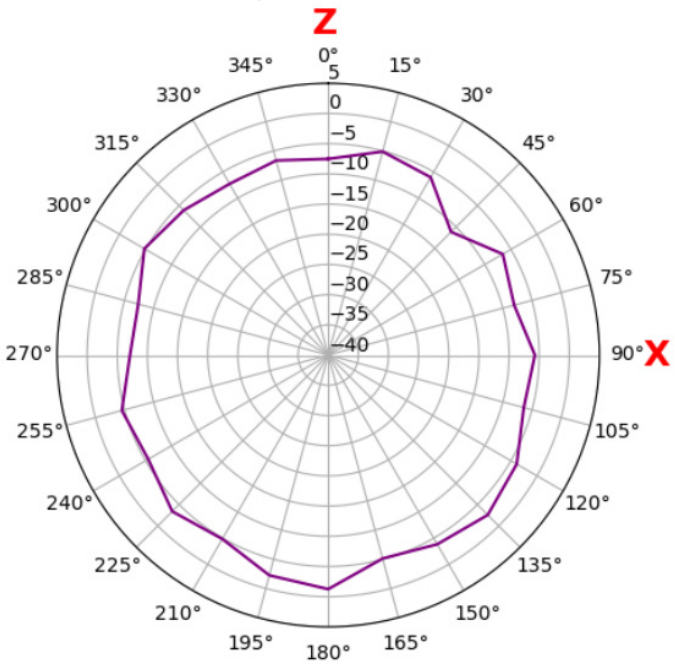
Aux B2 1950MHz xy plane



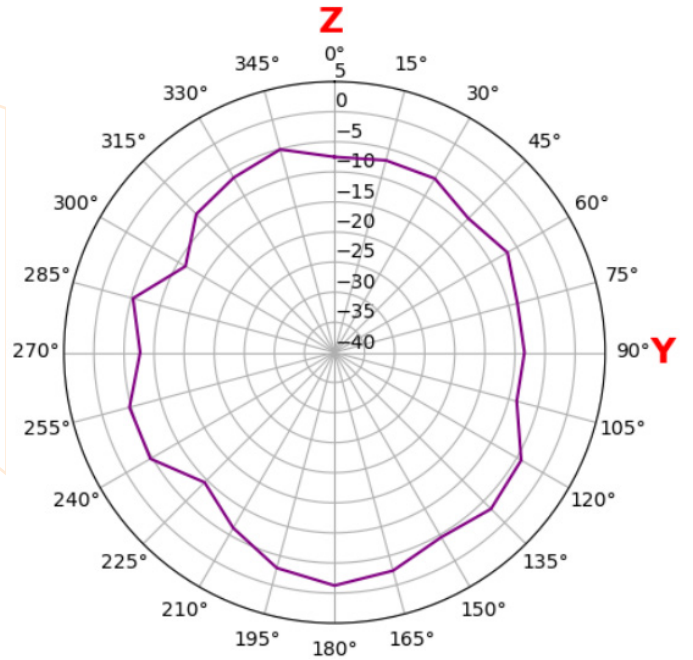
Aux B2 1950MHz xz plane



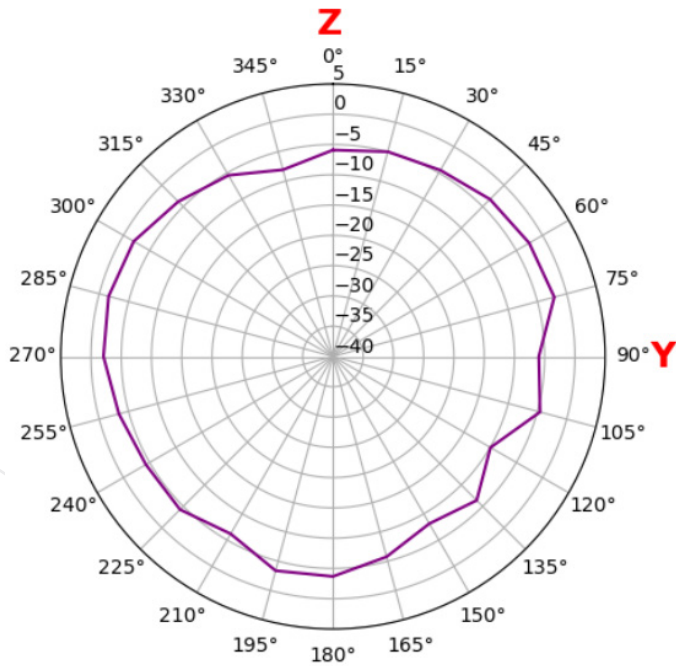
Aux B2 1950MHz yz plane



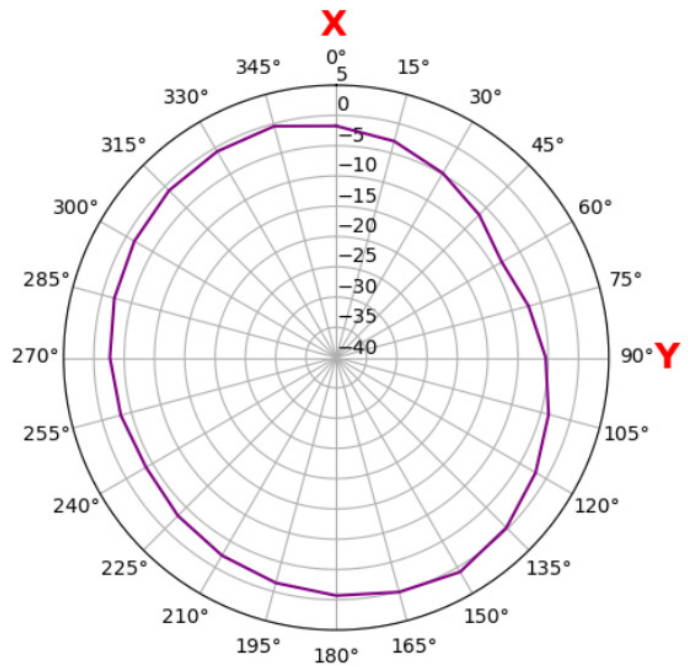
Aux B7 2650MHz xy plane



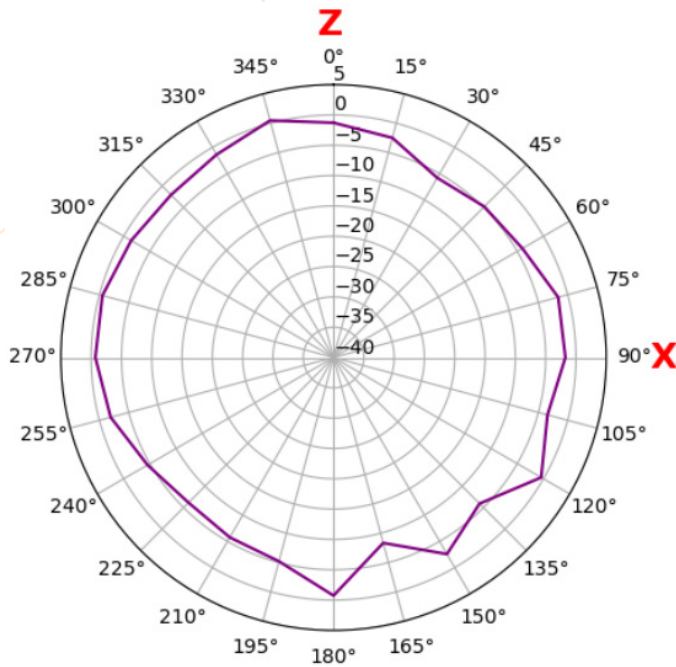
Aux B7 2650MHz xy plane



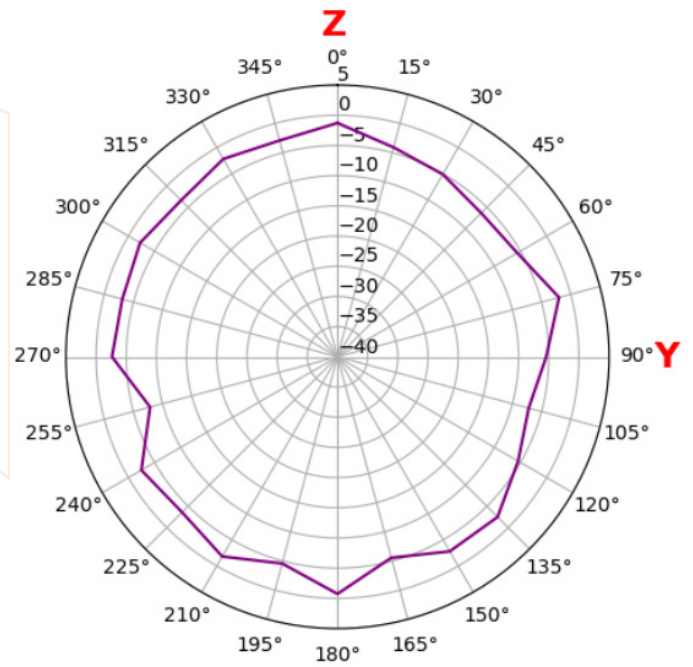
Aux B7 2650MHz yz plane



Aux B13 750MHz xy plane



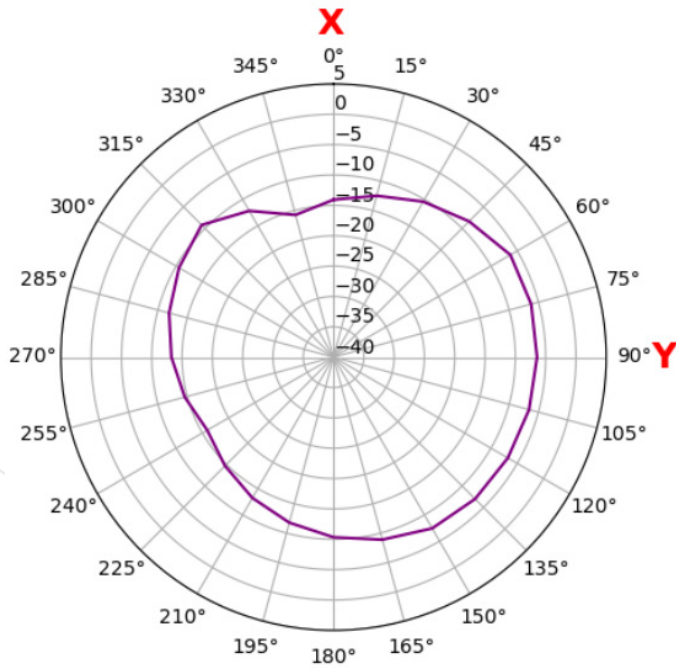
Aux B13 750MHz xz plane



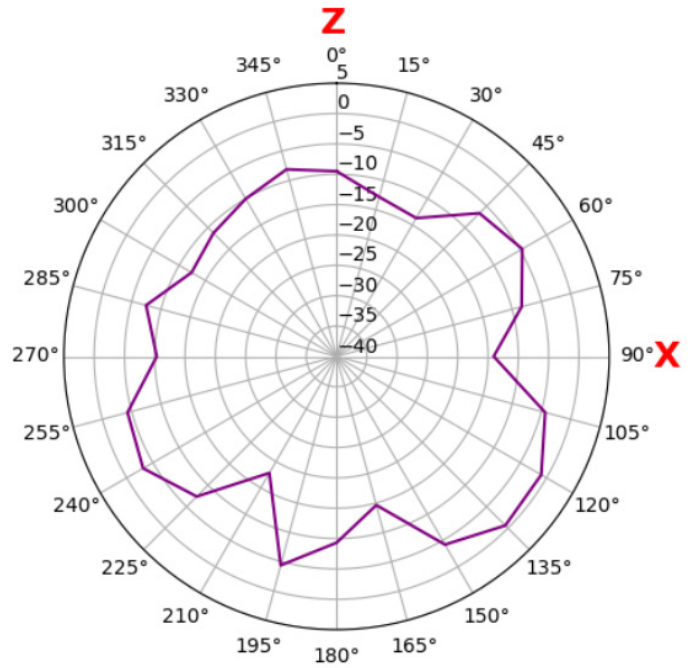
Aux B13 750MHz yz plane



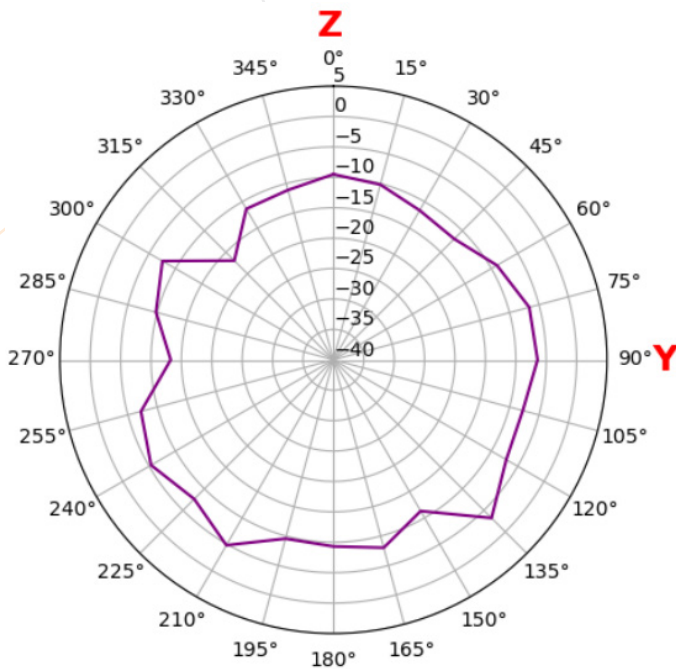
GPS: AUXILIARY ANTENNA



Aux GPS xy plane



Aux GPS xz plane



Aux GPS yz plane



ORDERING INFORMATION

SKU	SKU Description
R8F34A	Aruba USB LTE Modem
R8G76A	Aruba USB Extender Cable Kit