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 SD-Branch Gateways, Aruba EC-10104 and EC-XS Series SD-WAN 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
Aruba SD-Branch Gateways	9004/9012, 7000 series
Aruba EdgeConnect SD-WAN Gateways	EC-10104 and EC-XS
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 Aruba Orchestrator support for EdgeConnect SD-WAN Gateways starting with ECOS 9.1.5/9.2.3 and Orchestrator 9.1.5/9.2.4

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: 0^0 C to 40^0 C (32^0 F to 104^0 F) Storage: -40^0 C to 70^0 C (-40^0 F to 158^0 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 ECOS 9.1.5/9.2.3 with Orchestrator 9.1.6/9.2.4 for EdgeConnect SD-WAN Gateways

ANTENNA PATTERNS

LTE: Main and Auxiliary Antennas
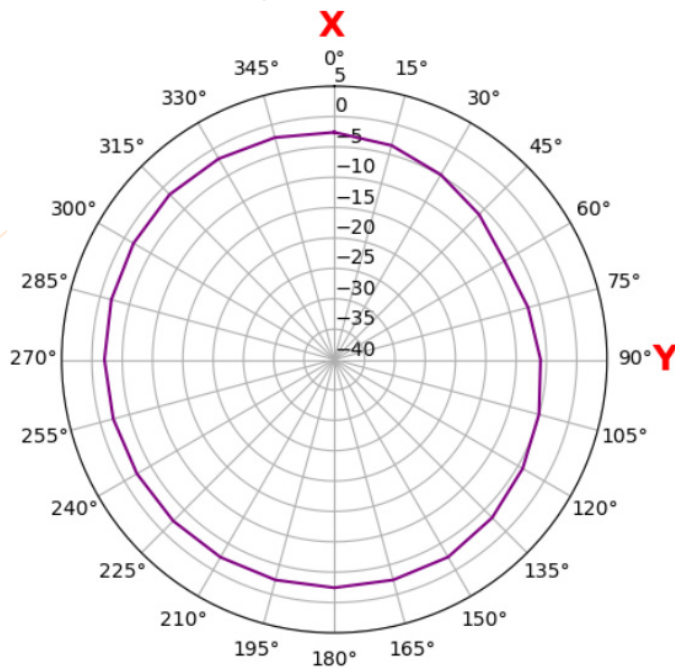
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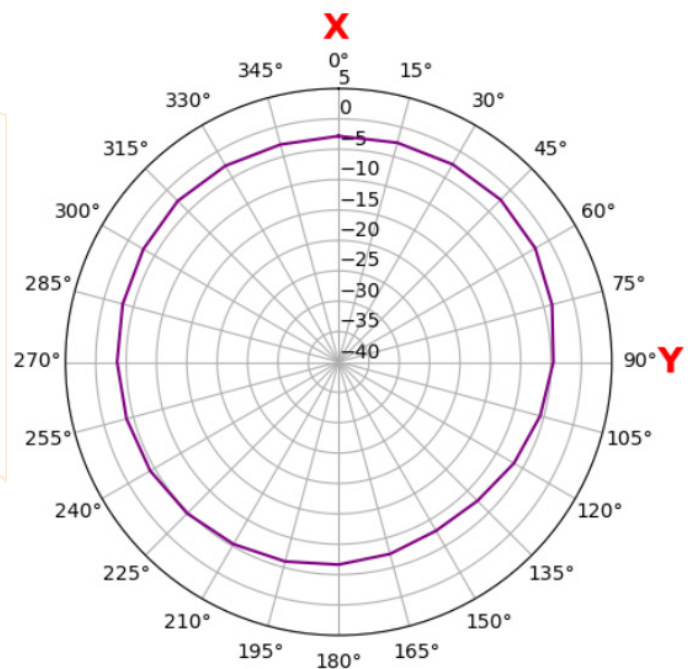
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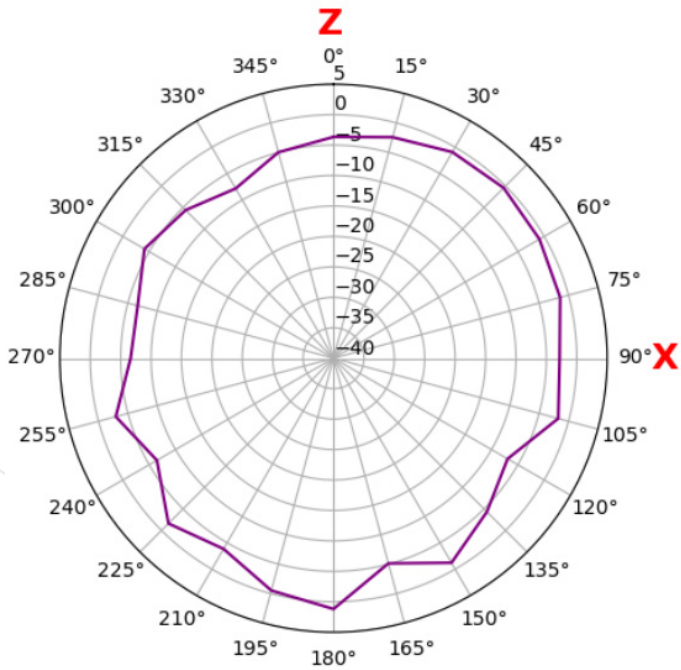
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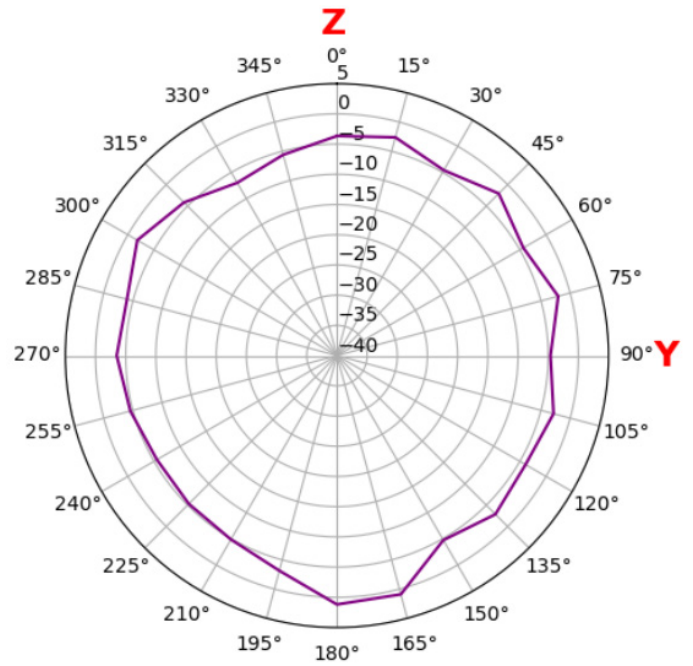
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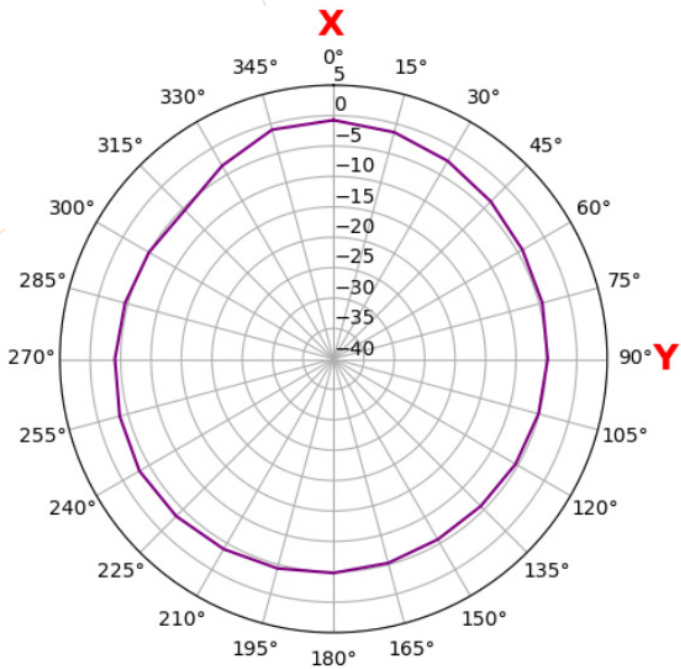
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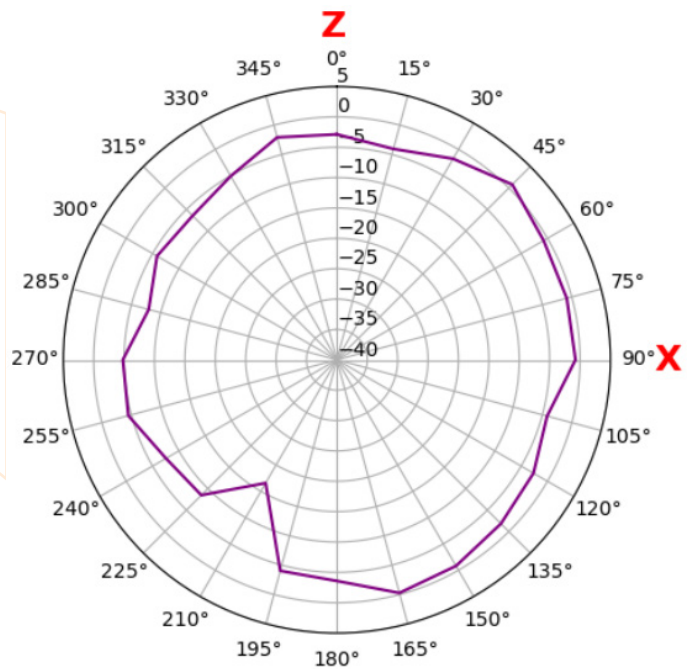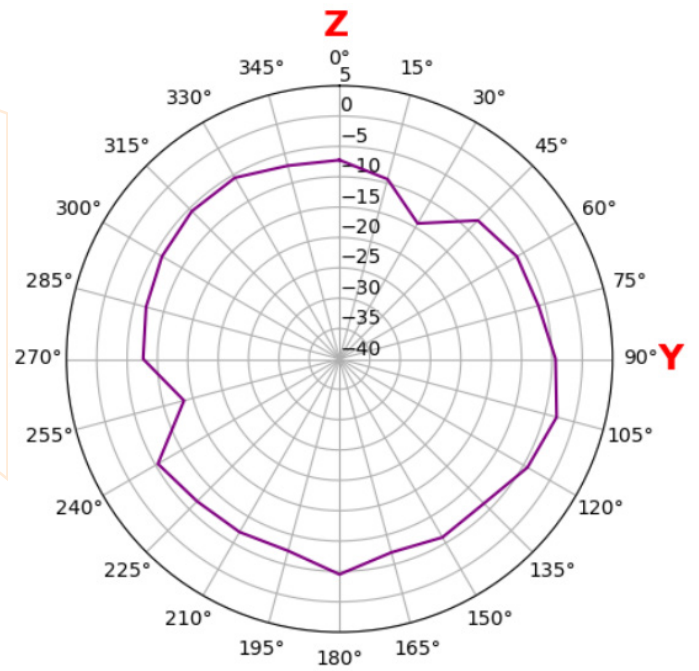

Main B7 2550MHz yz plane
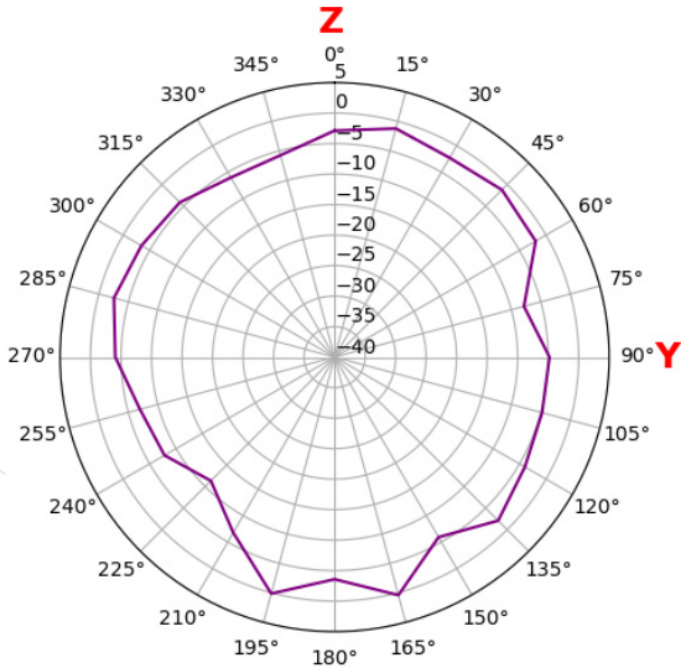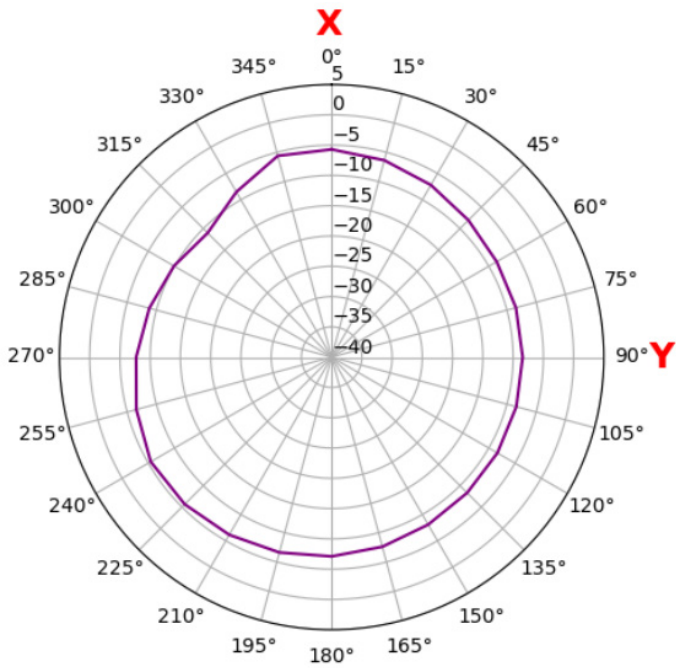
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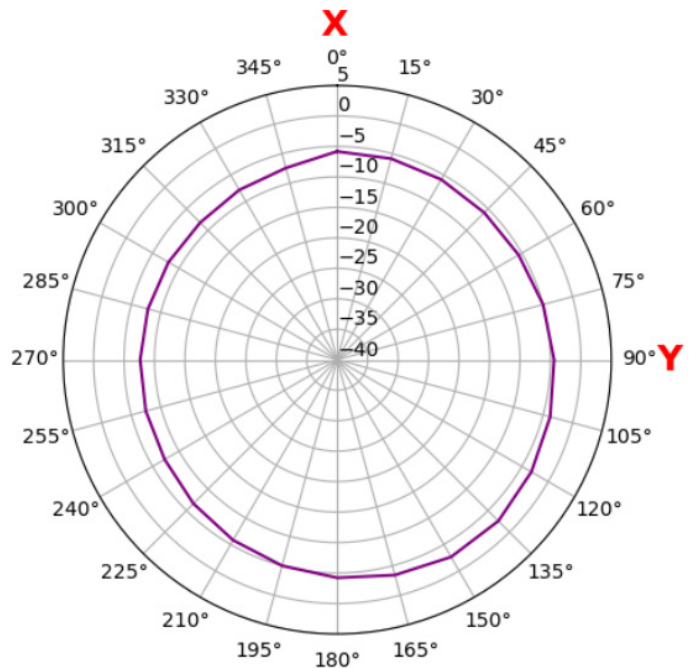
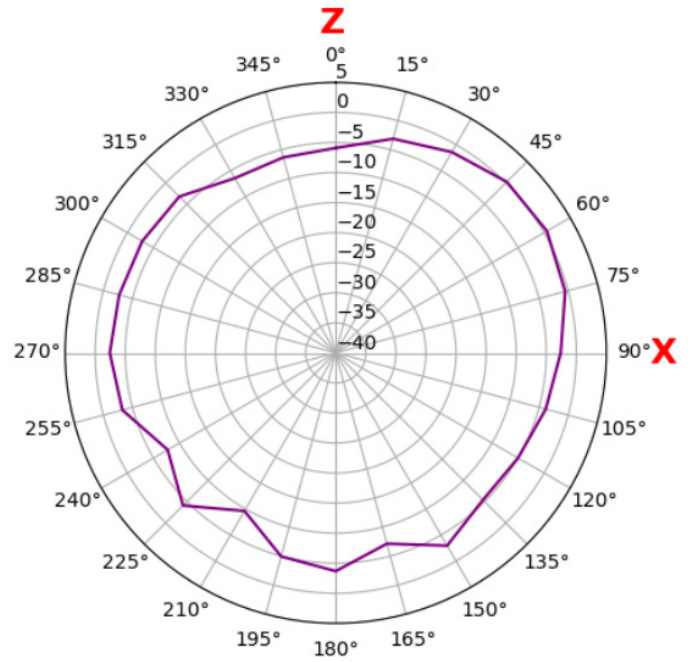
Main B13 780MHz xz plane
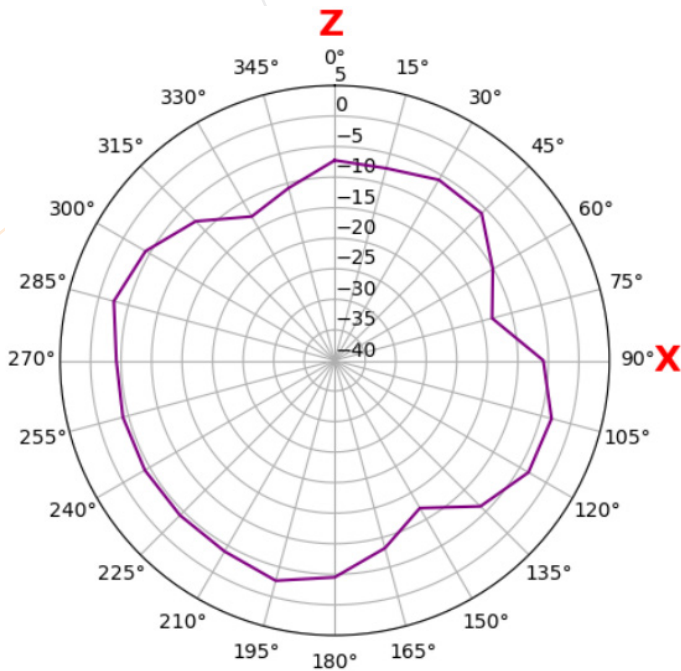
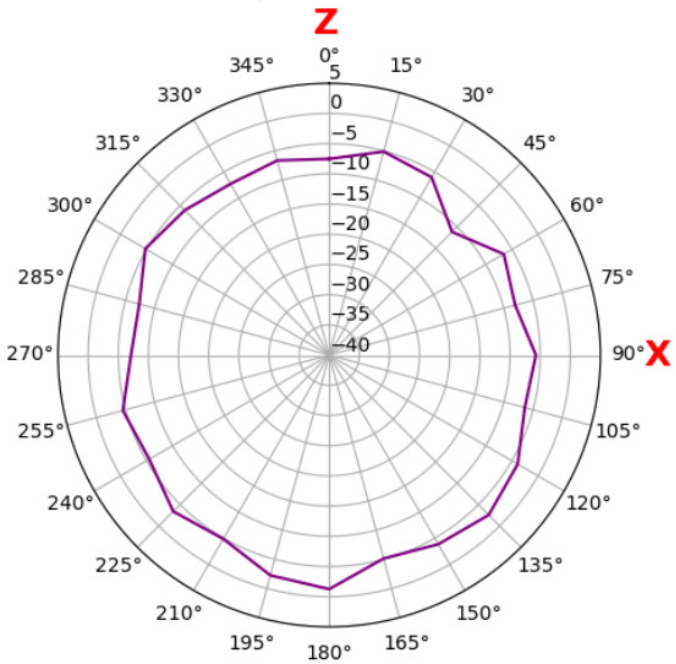Main B13 780MHz yz plane

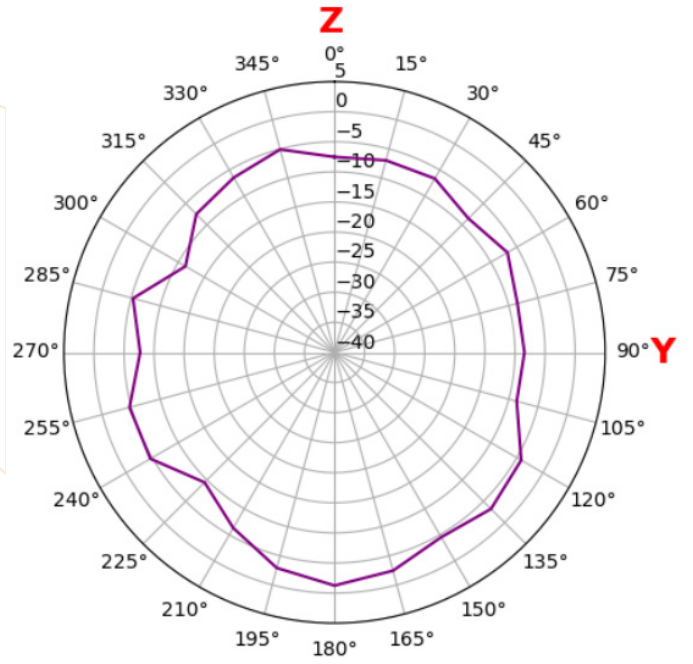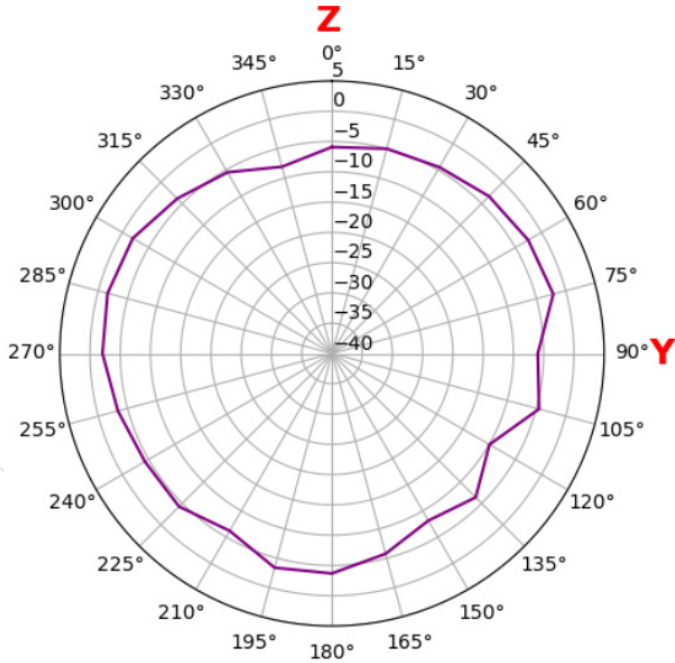Aux B2 1950MHz xy plane

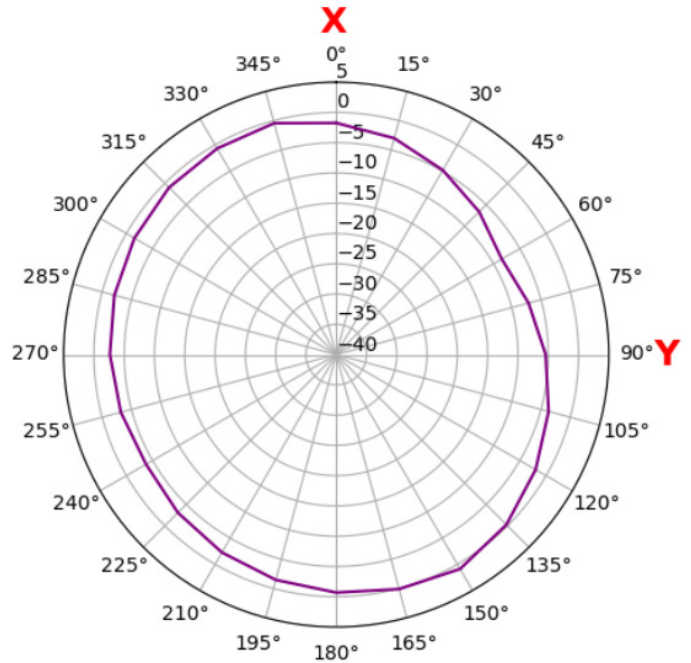Aux B2 1950MHz xz plane

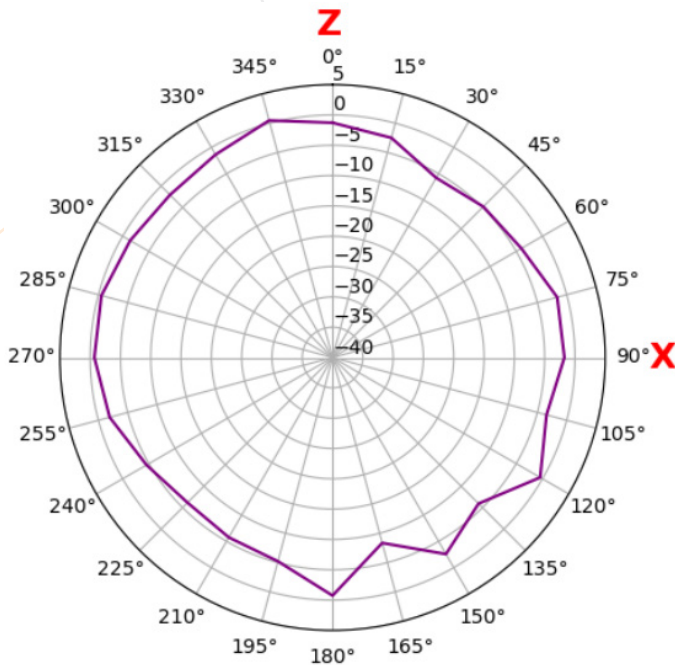Aux B2 1950MHz yz plane

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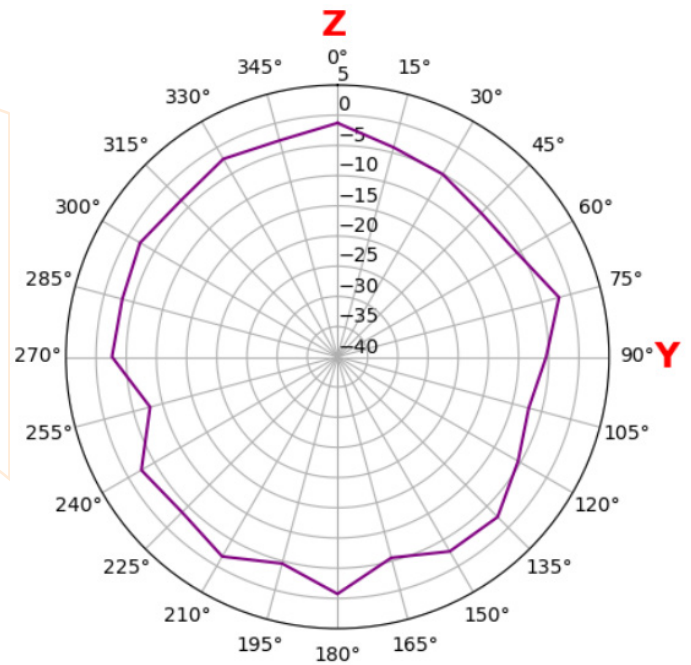

Aux B7 2650MHz xy plane

Aux B7 2650MHz yz plane
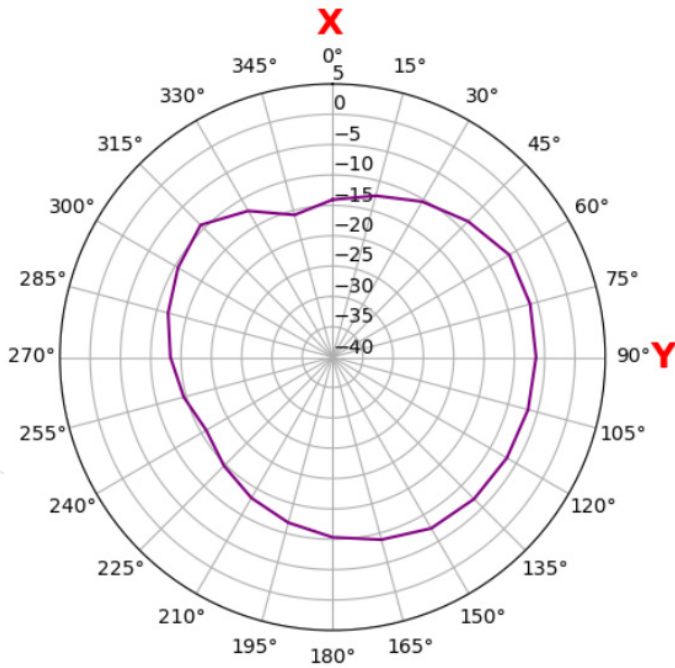

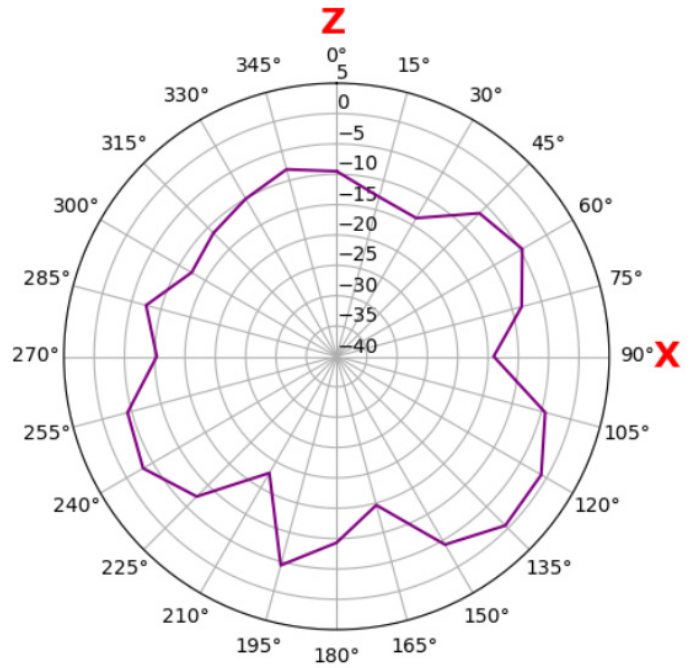Aux B13 750MHz xy plane

Aux B13 750MHz xz plane

Aux B13 750MHz yz plane

GPS: AUXILIARY ANTENNA

Aux GPS xy plane

Aux GPS xz plane
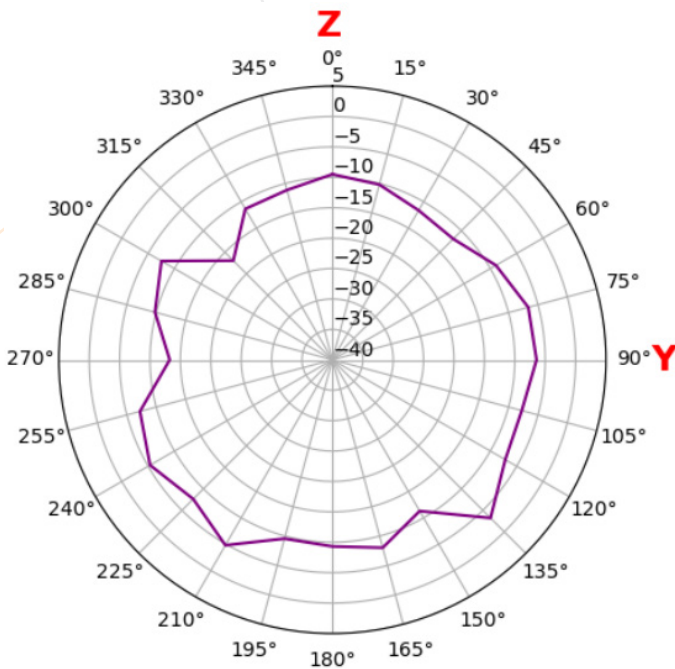
Aux GPS yz plane

ORDERING INFORMATION

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