



Product Overview

IgniteNet™'s MetroLinq™ 60 Outdoor Base Station Sector is the world's first 60GHz MultiPoint solution available on the market. The MetroLinq™ 60 Outdoor Base Station Sector enables high capacity connections to multiple endpoints in the world-wide unlicensed 60GHz band, allowing ultra fast deployment without the hassle of other frequency bands requiring a license. The MetroLinq™ 60 Outdoor Base Station Sector also includes a second 5GHz radio which acts as a backup on a client basis by client basis to provide integrated redundancy without any additional hardware or complexity!

Key Features and Benefits

Interference-Free & Unlicensed Band

The MetroLinq™ 60 Outdoor Base Station Sector offers unprecedented performance - combining both the benefits of unlicensed band operation with no interference!

Dual Band 60GHz & 5GHz Operation

The MetroLinq™ 60 Outdoor Base Station Sector includes a second 5GHz radio which can be configured as a backup to the 60GHz to provide automatic failover during adverse conditions. This allows links to be extended further without effecting link availability.

Powerful, Flexible Configuration

The MetroLinq™ 60 Outdoor Base Station Sector can operate either as a stand-alone device or as a coordinated, cloud-managed device, easily meeting the requirements of any installation.

Robust Weather-Resistant Design

The MetroLinq™ 60 Outdoor Sector features a hybrid metal/plastic design built to withstand the harshest environments including precipitation, hot/cold weather and high/low humidities.

Client Options (Sold Separately)

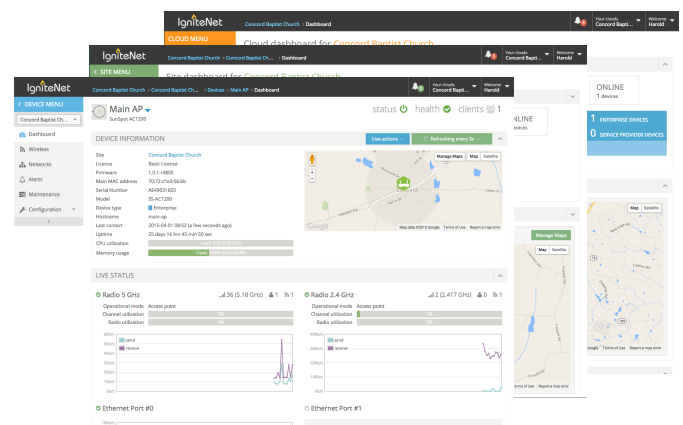


35cm size w/ 60GHz + 5GHz



19cm size w/ 60GHz + 5GHz

Global Cloud Management



Features

HARDWARE FEATURES

- ✓ 2x Gigabit Ethernet Port (PoE IN)
- ✓ 1x Power tap (Power OUT)
- ✓ 1x USB 2.0 Port (optional)
- ✓ Dual flash image support

LEDs

- ✓ Power, Ethernet, Wireless, Health/Status, Aiming

DIMENSIONS (L x W x H)

- ✓ 190 x 190 x 60 mm (ML-60-30-18)

WEIGHT

- ✓ 2 kg with mount (ML-60-30-18)

POWER

- ✓ 24V/1A passive Gigabit PoE
- ✓ 15W max power consumption

CHANNEL BANDWIDTH

- ✓ 60GHz: 2GHz, 500MHz (future hardware revision)
- ✓ 5GHz: 80MHz, 40MHz, 20MHz, 10MHz, 5MHz

OPERATING ENVIRONMENT

- ✓ Operating Temperature: -40°C to +70°C
- ✓ Store Temperature: -40°C to 70°C
- ✓ Operating Humidity: 10 to 90% non-condensing (RH)

REGULATORY / STANDARDS COMPLIANCE

- ✓ FCC/IC
- ✓ CE

RANGE

- ✓ Up to 1km (client and location dependent, see chart)

RF PERFORMANCE (TX)

- ✓ 60GHz:
 - 14dBm @2.5Gbps OTA (1Gbps aggregate throughput)
- ✓ 5GHz:
 - 24dBm @866Mbps OTA (500Mbps aggregate throughput)

RF PERFORMANCE (RX)

- ✓ 60GHz:
 - 74dBm @MCS1; -60dBm @ MCS9
- ✓ 5GHz:
 - 94dBm @MCS0; -64dBm @ MCS15

KEY FEATURES

- ✓ 1Gbps Aggregate throughput; dynamically allocated (60GHz)
- ✓ 500Mbps Aggregate throughput; dynamically allocated (5GHz)
- ✓ Jumbo packet support (up to 7912bytes)
- ✓ Management VLAN support and VLAN pass-through
- ✓ Supports Service Provider and Enterprise type networks
- ✓ Stand-alone or Cloud-controlled operating modes
- ✓ Base Station mode and up to 32 endpoints (8 endpoints at launch)
- ✓ Link failover/backup (60GHz + 5GHz) Per Client
- ✓ 128bit AES Encryption (standard; 5GHz and 60GHz)
- ✓ SNMP Monitoring with Private MIB
- ✓ Optional Aiming Scope and LR Bracket (sold separately)

APPLICATIONS

- ✓ Fixed Wireless Access (broadband)
- ✓ 3G/4G Backhaul
- ✓ Metro WiFi
- ✓ Campus Interconnection
- ✓ Hybrid Fiber/Wireless Networks

Ordering Information

Part Number	Description
ML-60-30-18-XX	60GHz + 5GHz BaseStation w/ Integrated 18dBi (60GHz) and 14dBi (5GHz) 30° Sector Antenna

**XX is used to denote localization (US, EU, AU, CN)

Contact



Worldwide

20 Mason
Irvine, CA 92618
USA
sales@ignitenet.com

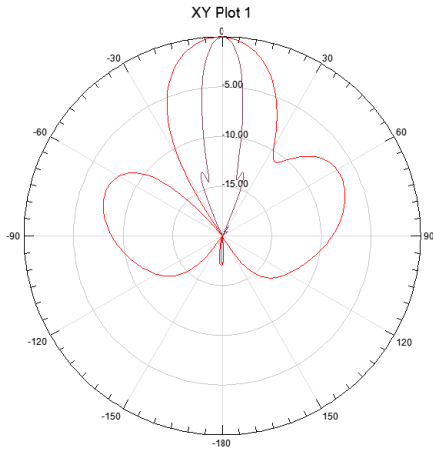
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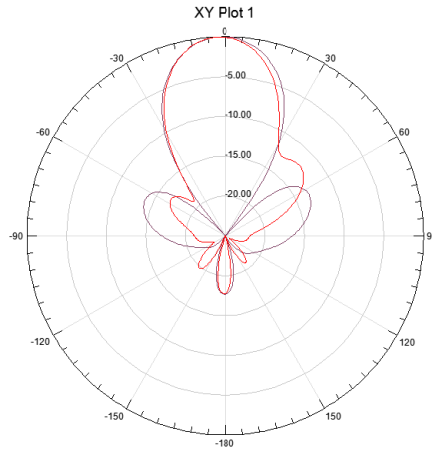
Antenna Patterns

ML-60-30-18-XX

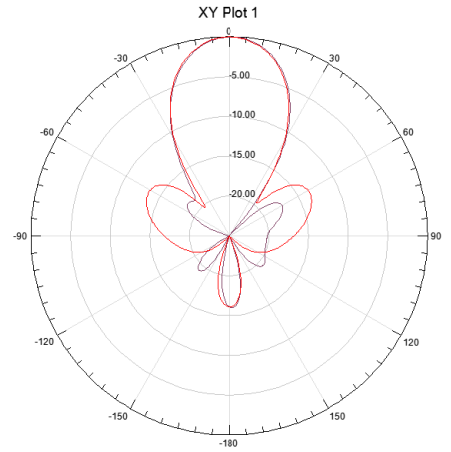
60GHz



5GHz Vertical



5GHz Horizontal



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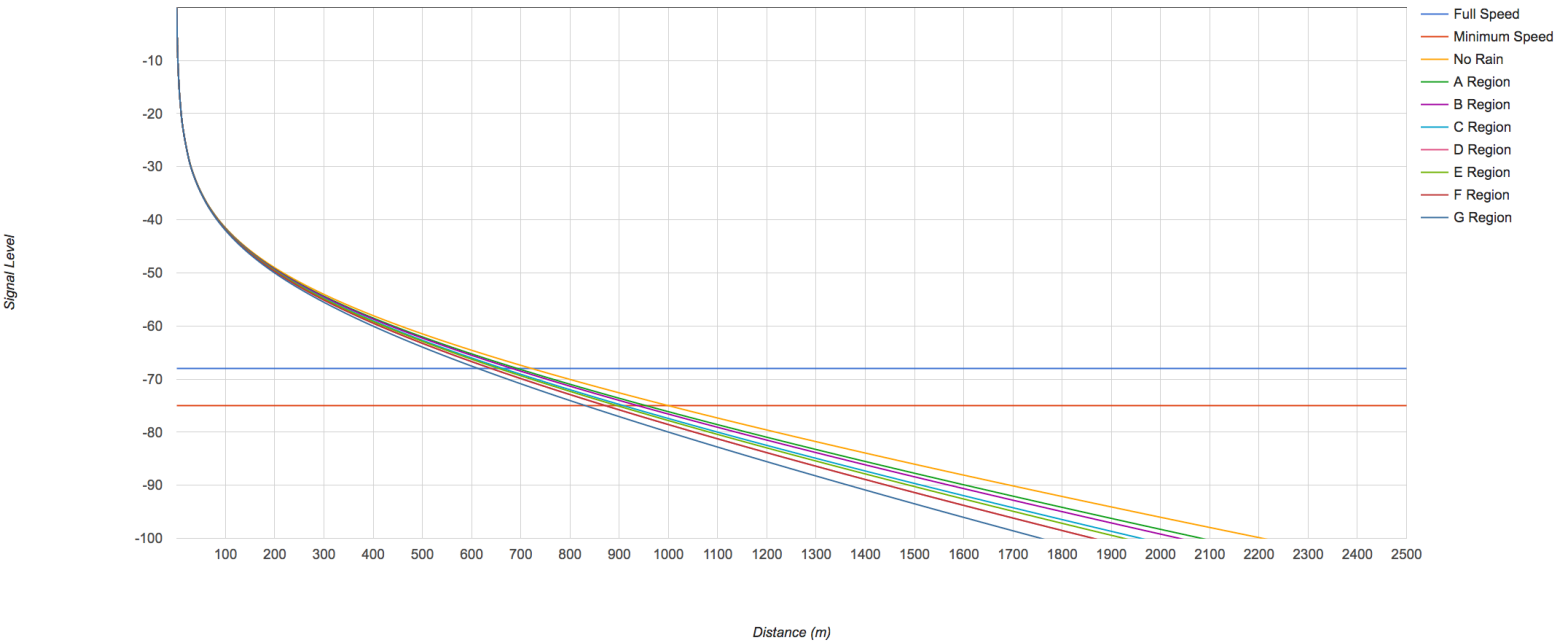
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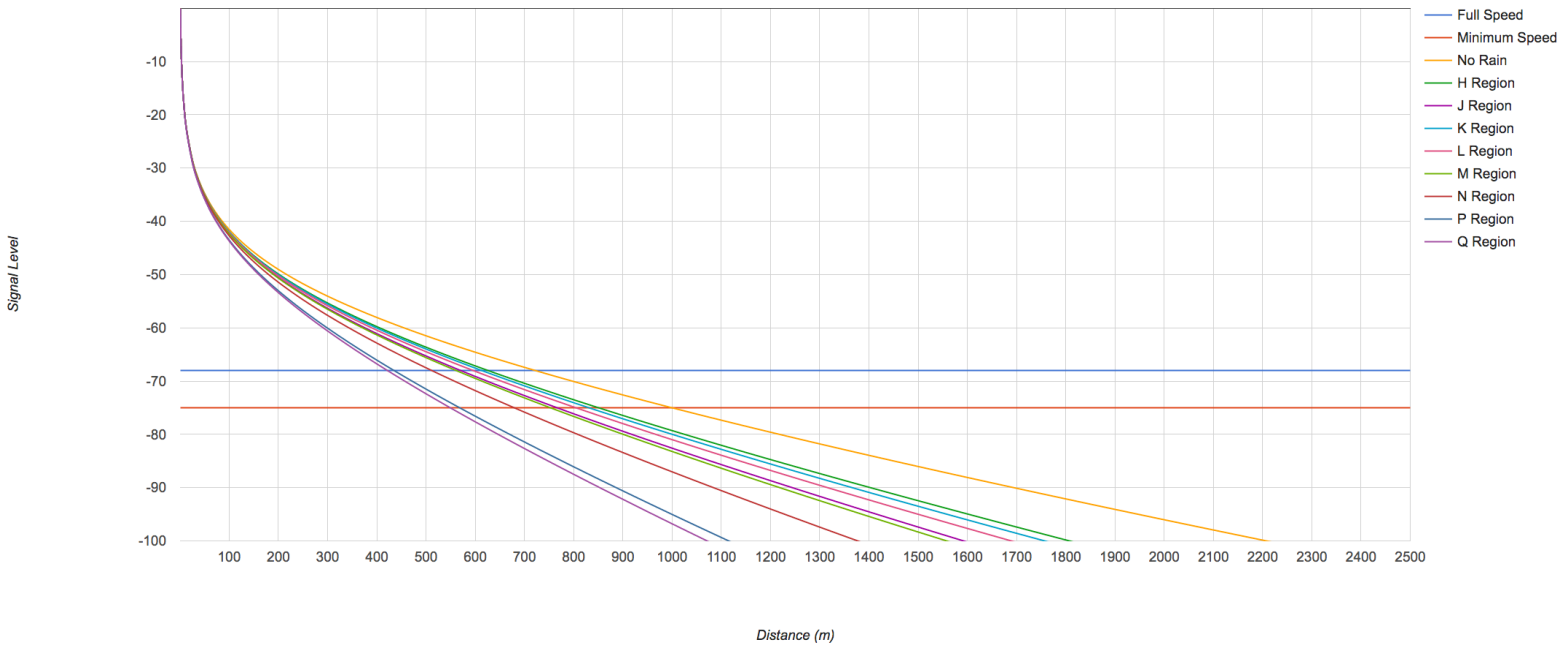
Availability Chart

ML-60-19-XX as Client, 99.9% Availability

MetroLinq Availability vs. Distance (ML-60-S-30-18 to ML-60-19), A-G, 99.9%



MetroLinq Availability vs. Distance (ML-60-S-30-18 to ML-60-19), H-Q, 99.9%



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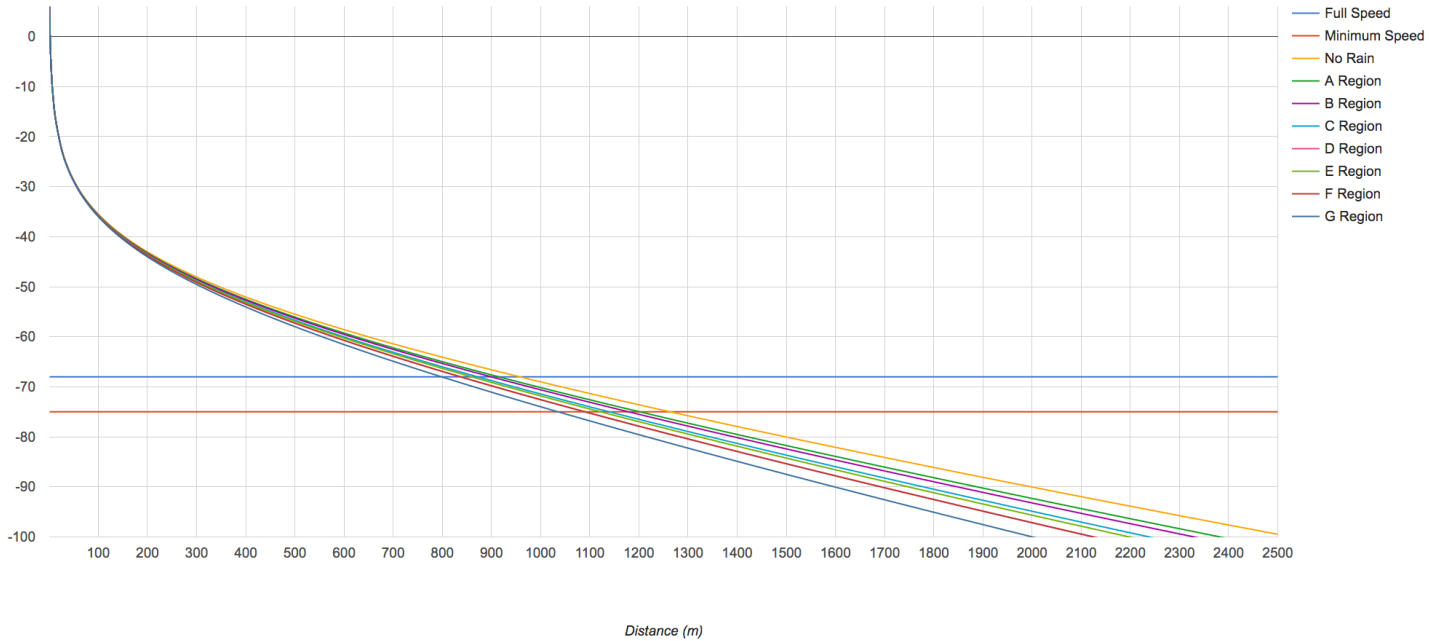
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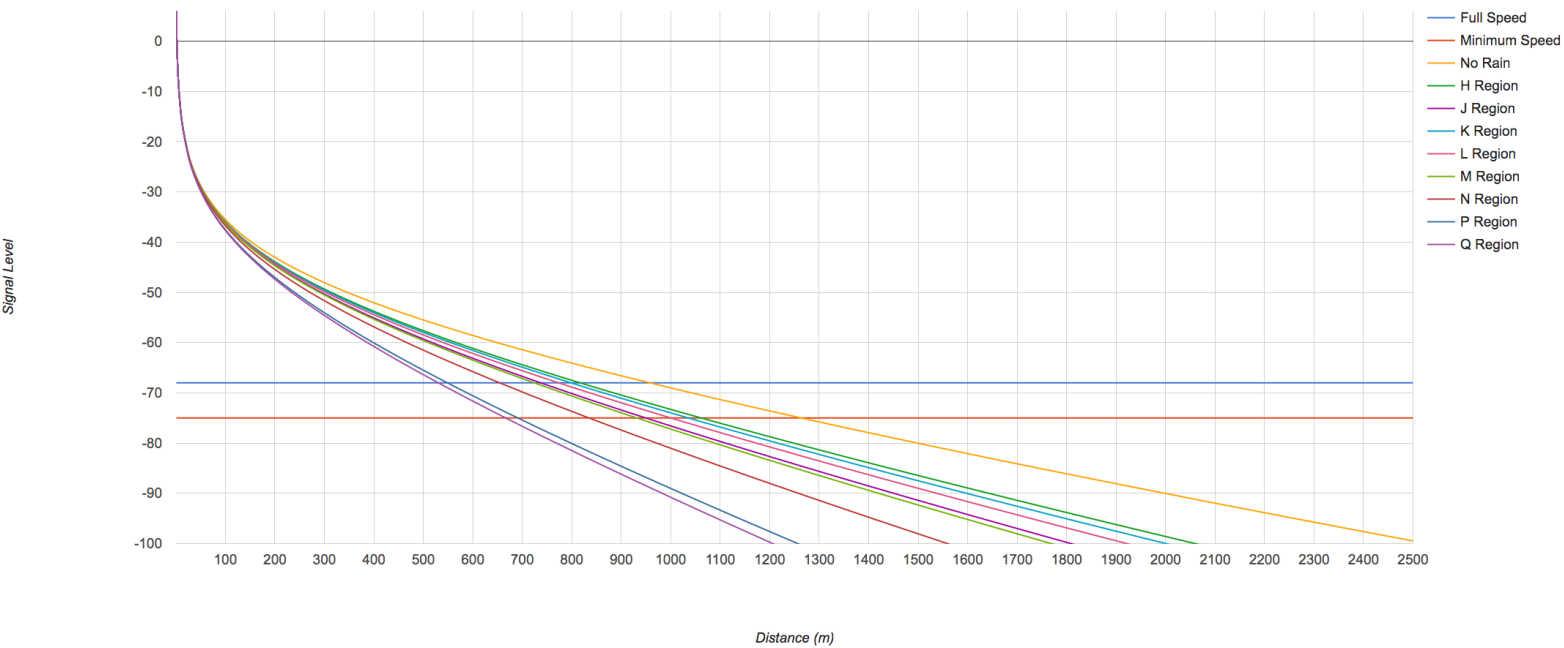
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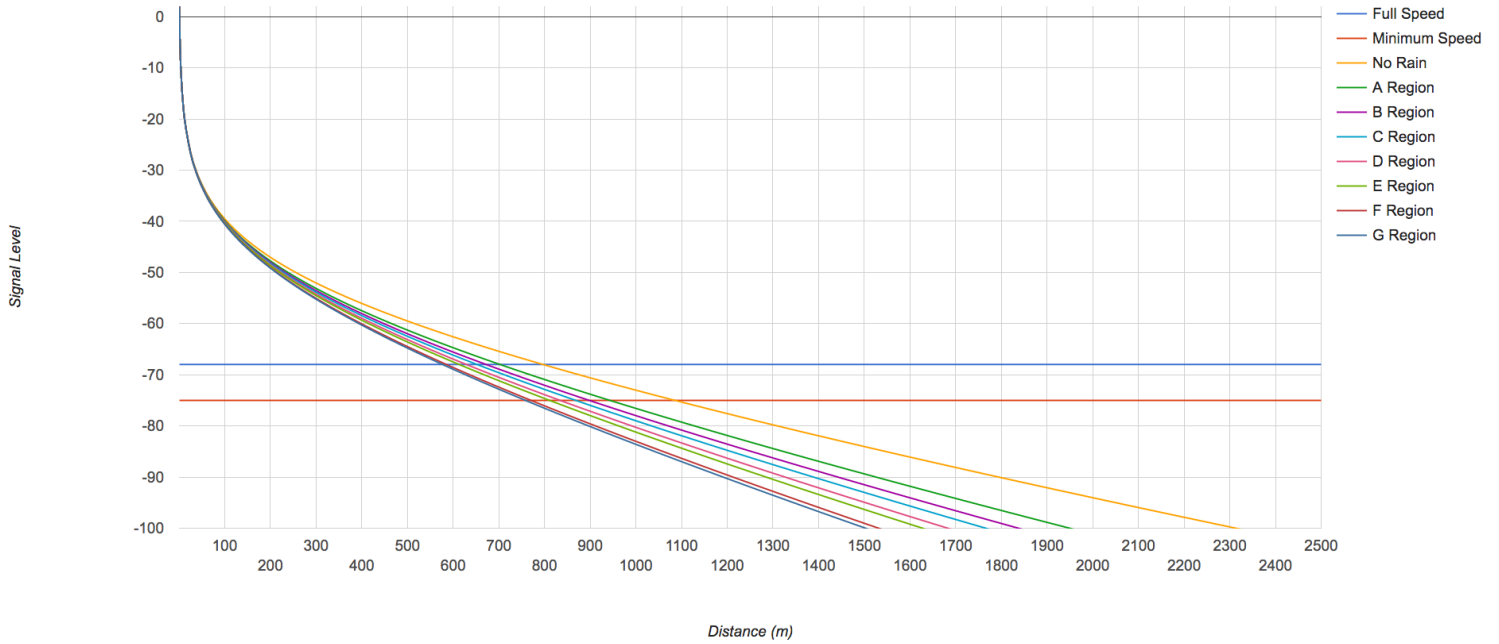
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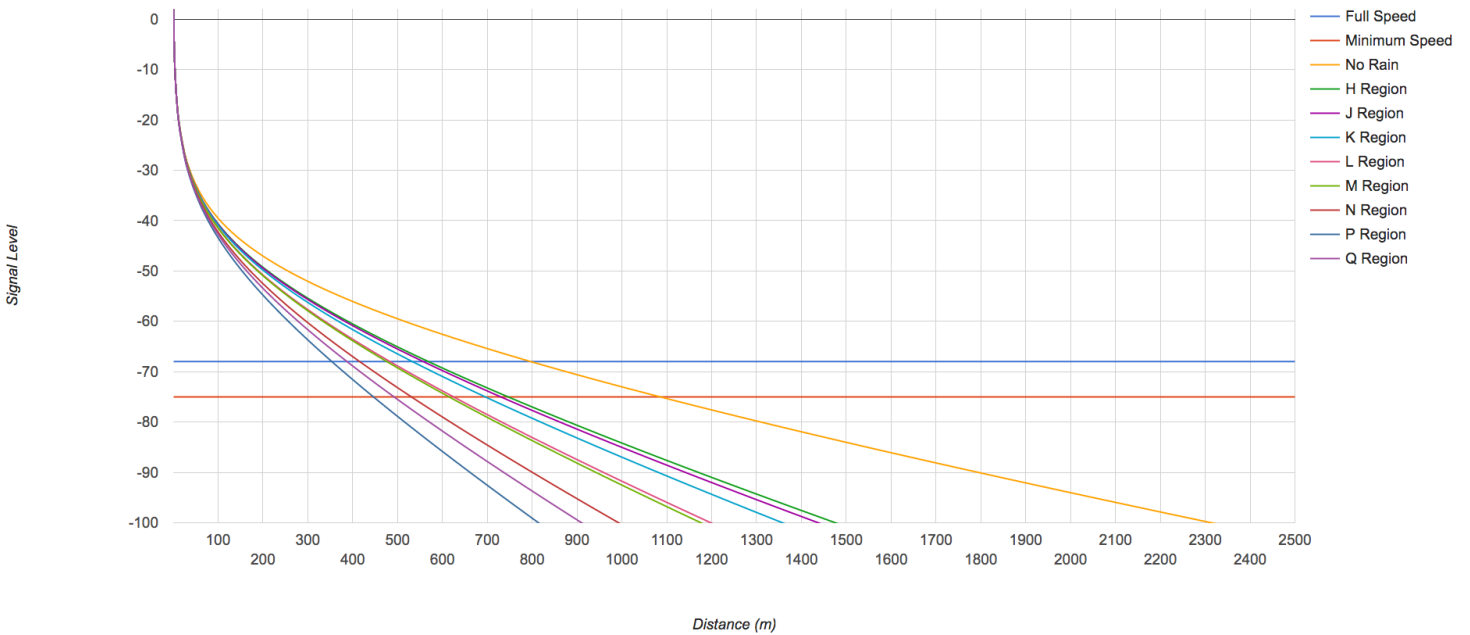
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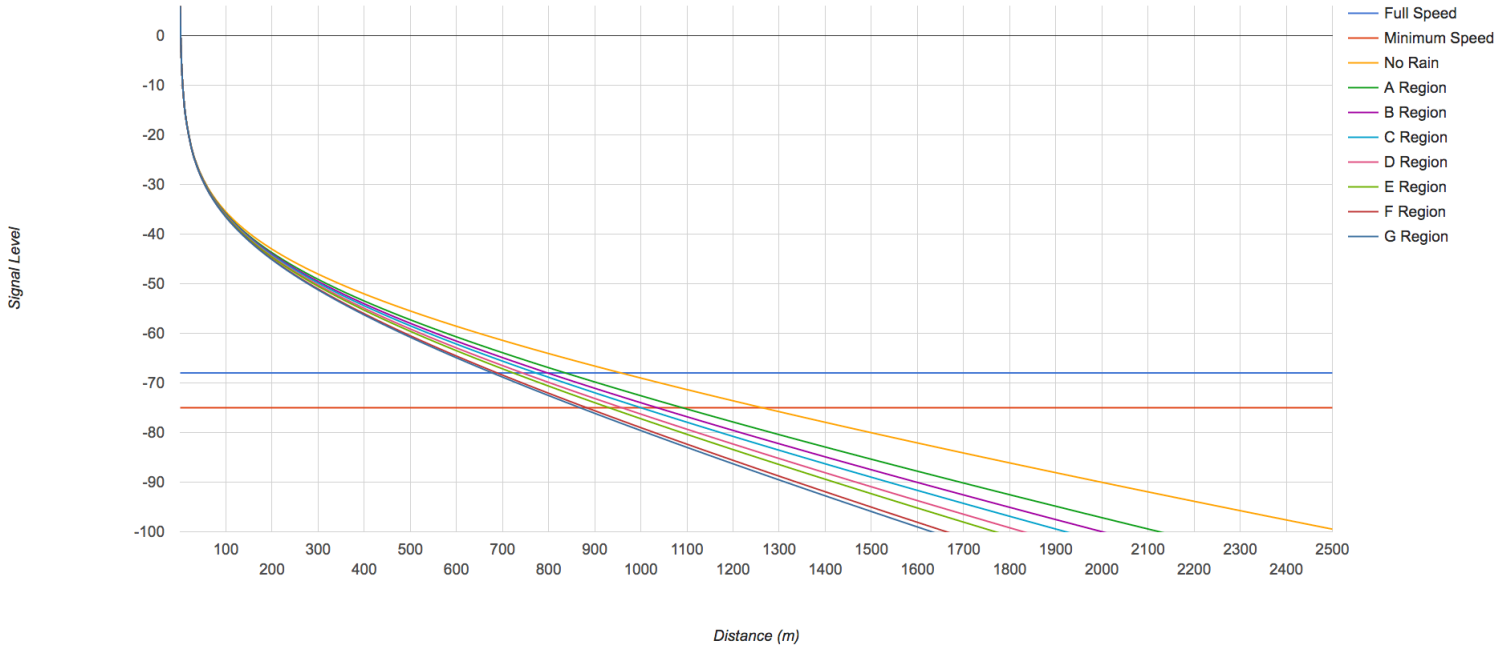
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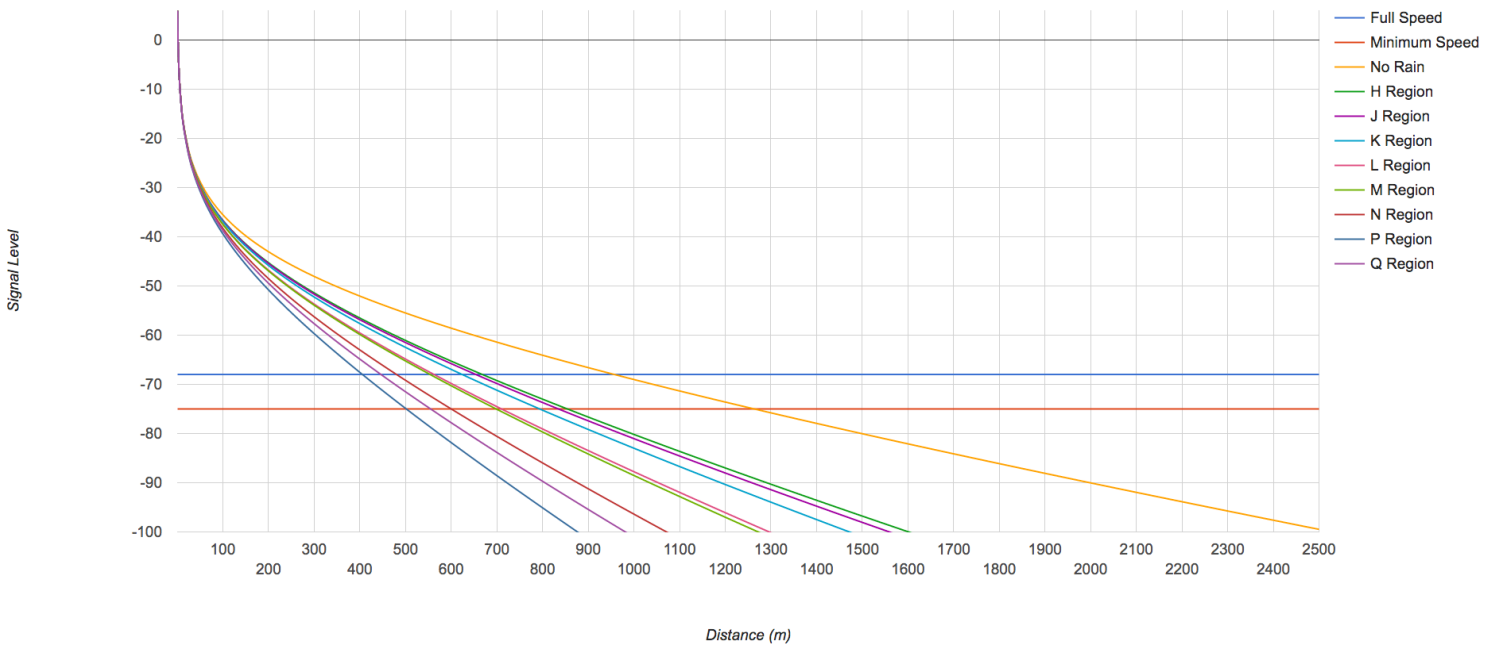
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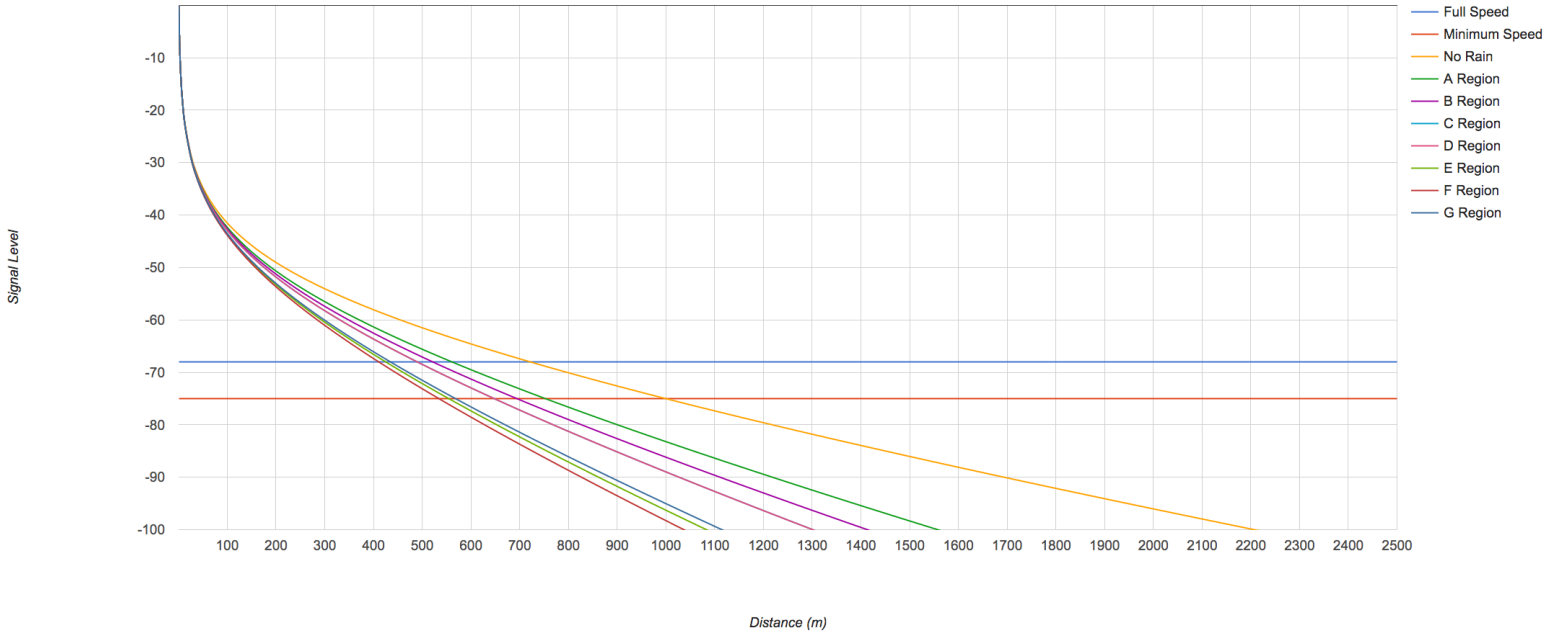
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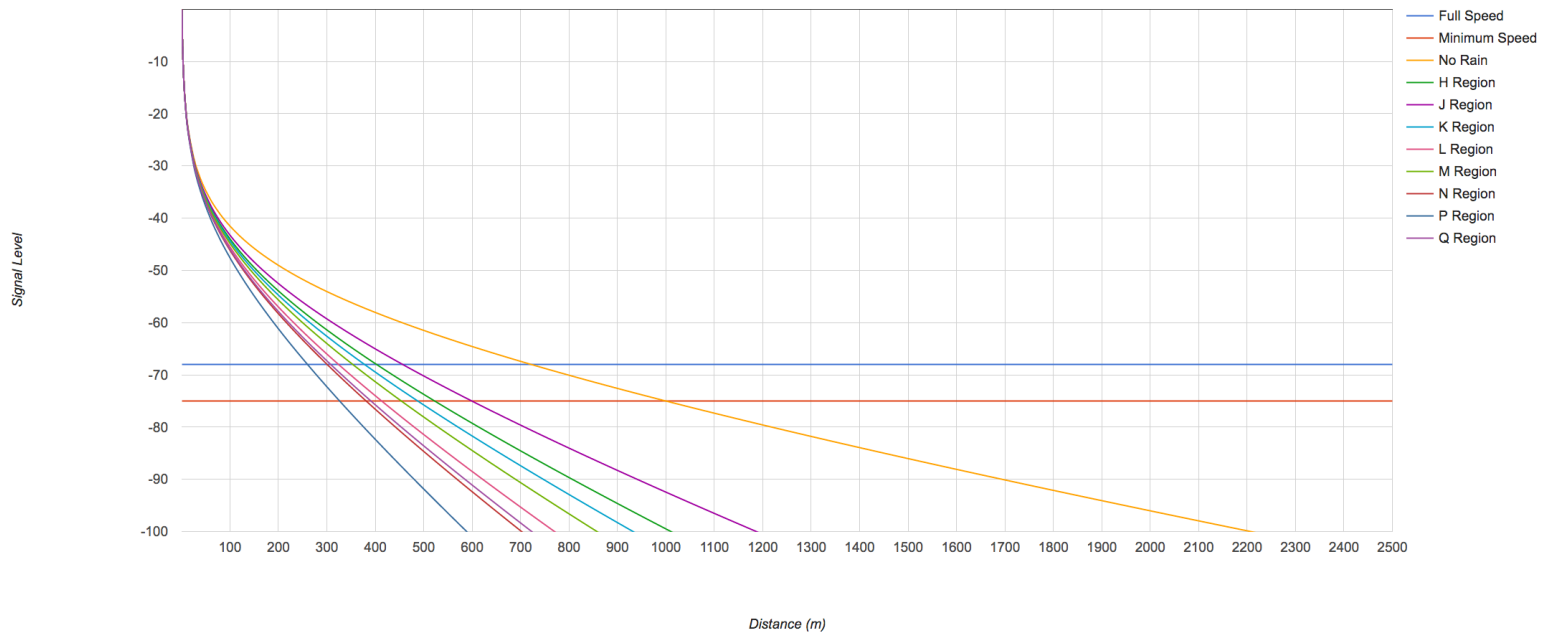
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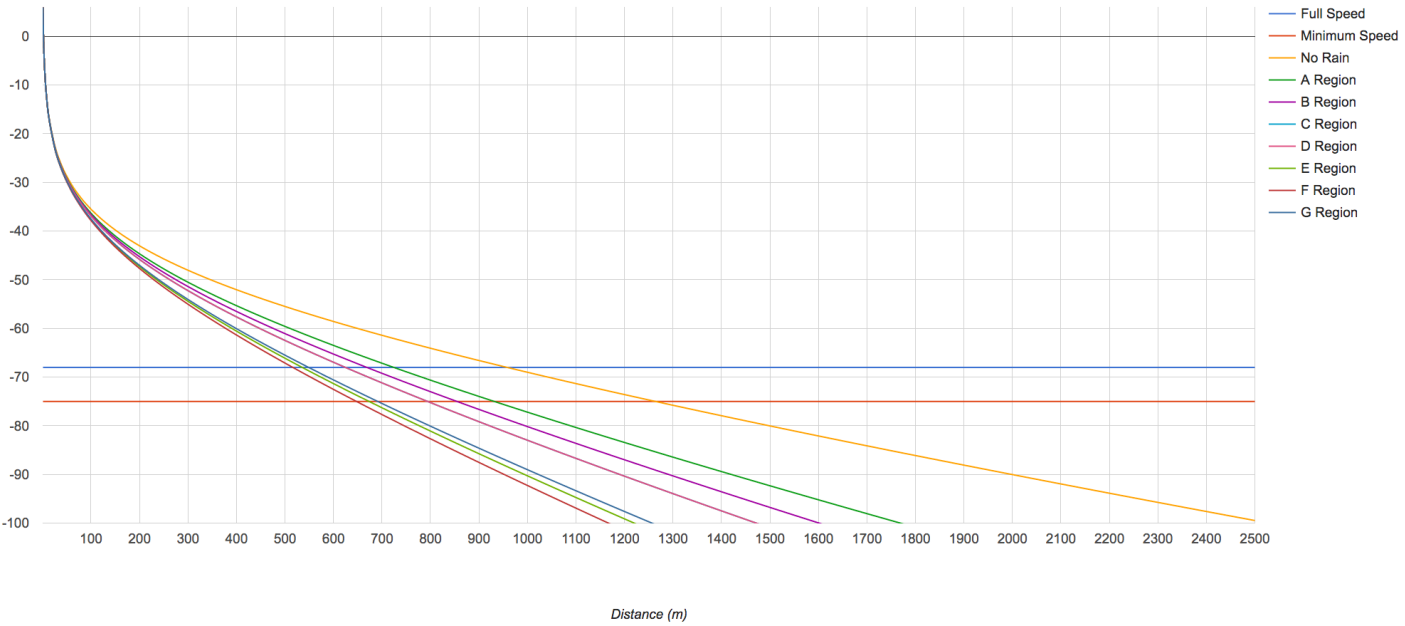
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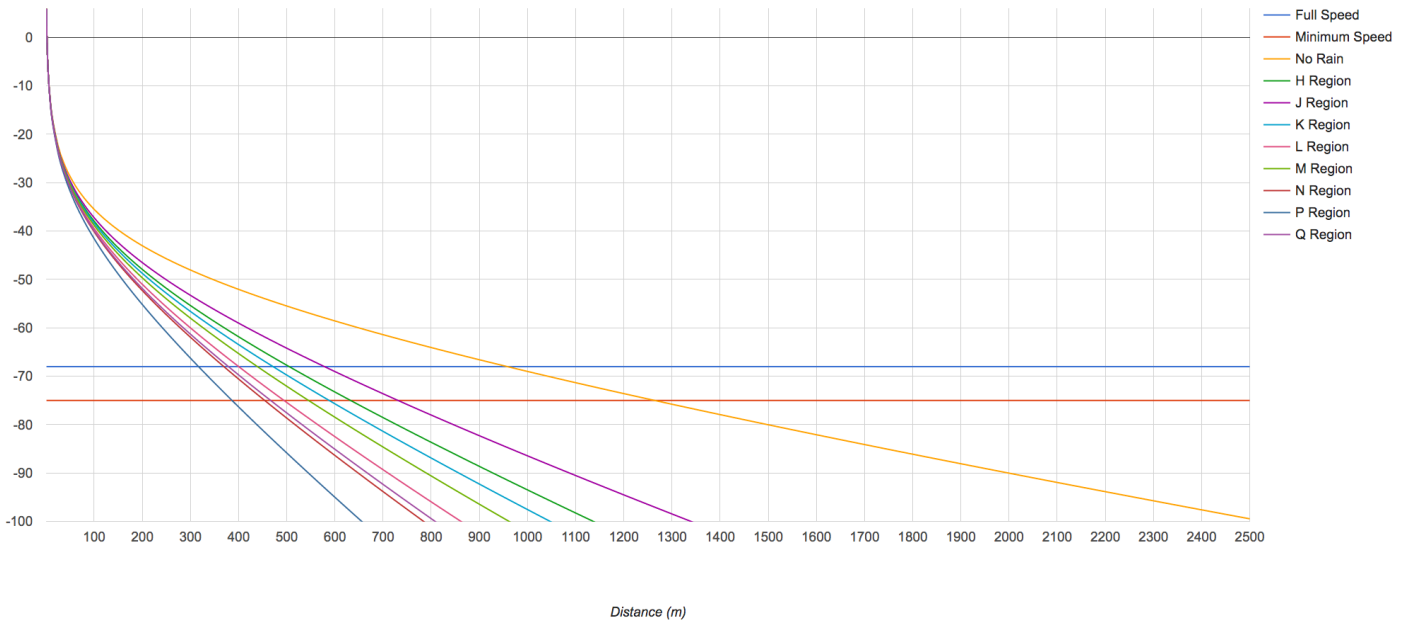
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