
AWS
re:Invent
NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

HYB001

Setting up a private mobile network in minutes

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AWS

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AWS Private 5G

Managed service
With pre-integrated hardware and software, and an out-of-the-box experience

Operates in shared spectrum
No need for license

No per-device charges
Pay for the coverage and capacity you need, not the number of devices you connect

NEW **On-demand network scaling**
For expanding coverage or connecting additional devices

Customer-led responsibilities
Connectivity to AWS, devices for connectivity, location of radio units



aws
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Ordering

AWS Private 5G Console Demo

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Devices

AWS Partner Device Catalog

Discover qualified hardware that works with AWS services to help build and deliver successful IoT solutions.

Filter by: Clear all

Search for qualified devices

1-15 of **18** results

▼ **Qualifications**

- [ ] AWS IoT Core
- [ ] AWS IoT Core for LoRaWAN
- [ ] AWS IoT ExpressLink
- [ ] AWS IoT Greengrass
- [ ] FreeRTOS
- [ ] Amazon Kinesis Video Streams
- [ ] Amazon WorkSpaces
- [x] AWS Private 5G

▼ **Device Type**

- [ ] Asset Tracker
- [ ] Camera
- [ ] Cellular Modem
- [ ] Development Kit
- [ ] Edge Server
- [ ] Gateway / Router
- [ ] Hardware Security Module
- [ ] Industrial PC (IPC)
- [ ] Programmable Automation

CRADLEPOINT



Gateway/Router

R500-PLTE Series Ruggedized Router

Compact, ruggedized Private LTE (PLTE) router for advanced connectivity.

Shop now

Qualified for AWS Private 5G

MULTITECH SYSTEMS, INC.



Cellular Modem

MultiConnect® microCell USB Modem

LTE Cat 6 CBRS to USB Cellular Modem

Shop now

Qualified for AWS Private 5G

MULTITECH SYSTEMS, INC.



Gateway/Router

MultiConnect® eCell

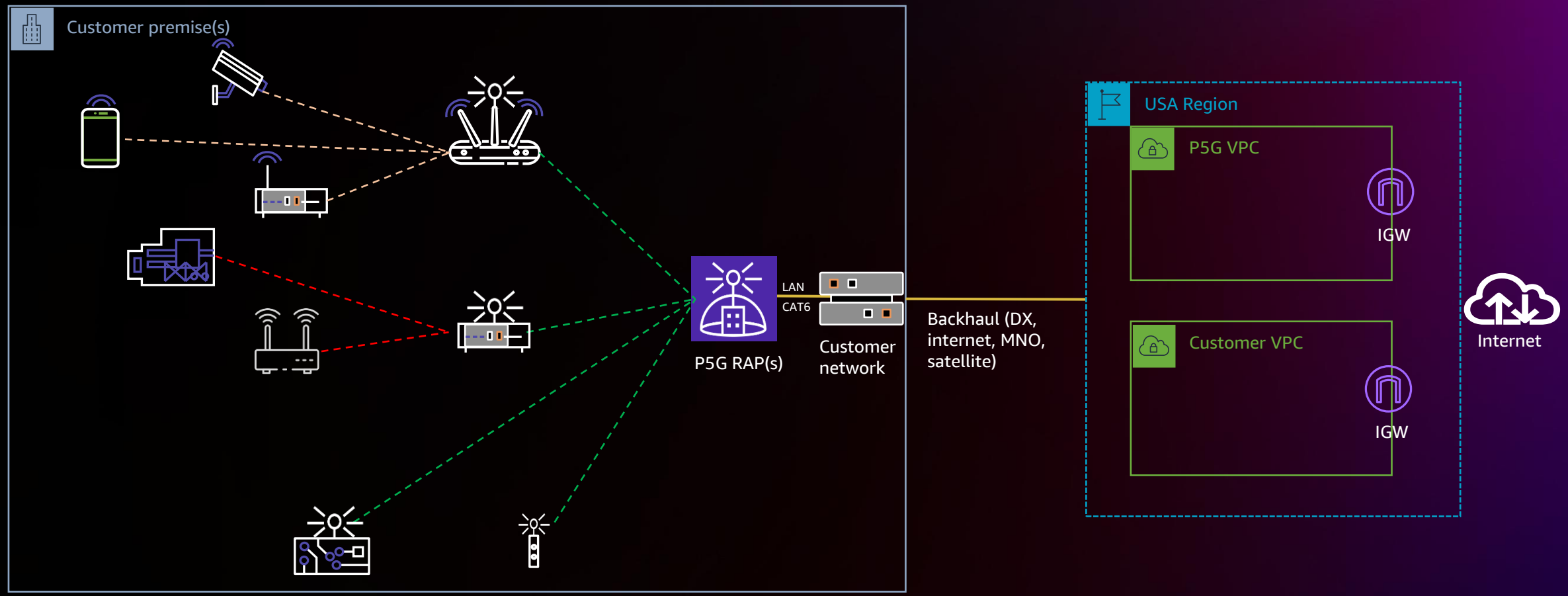
LTE Cellular CBRS to Ethernet Bridge

Shop now

Qualified for AWS Private 5G

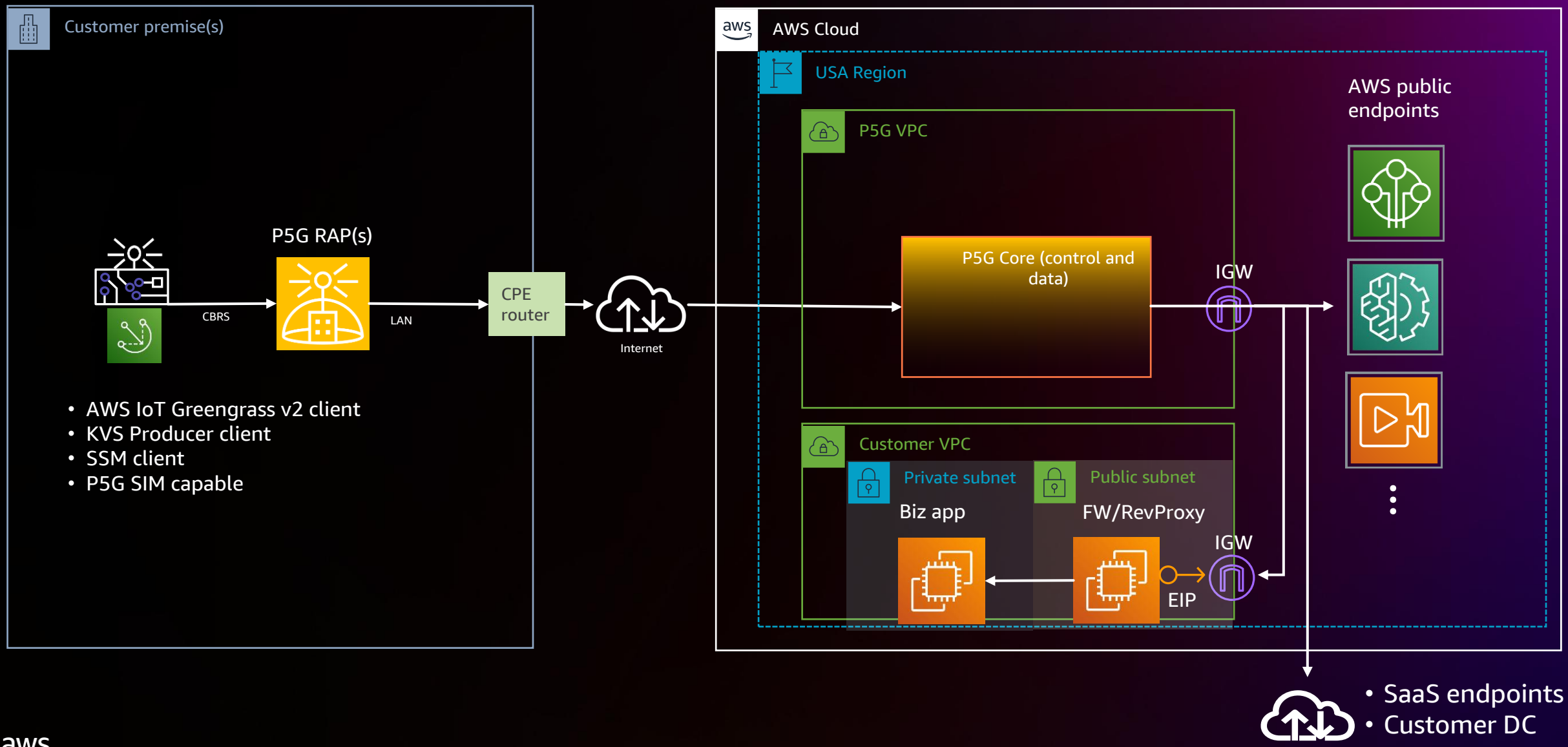
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Devices option examples



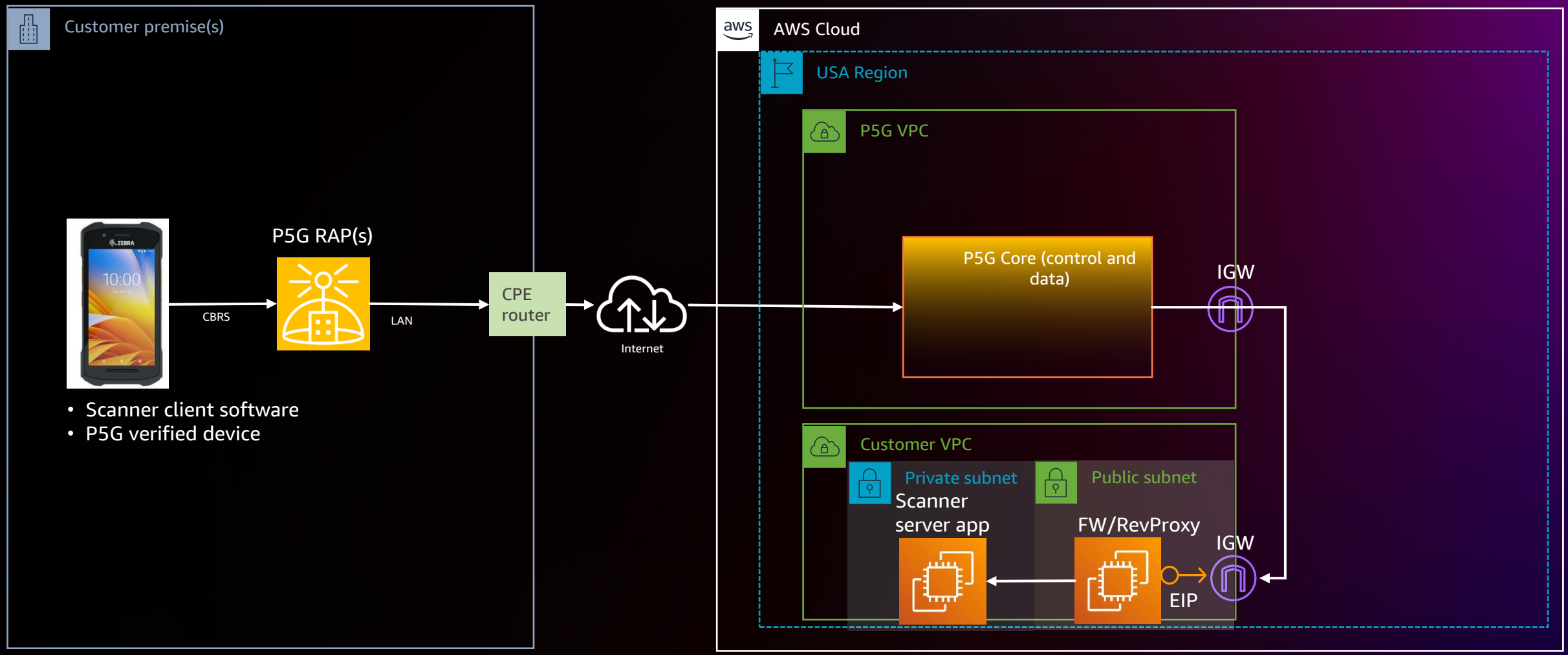
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Common device and service connectivity architecture



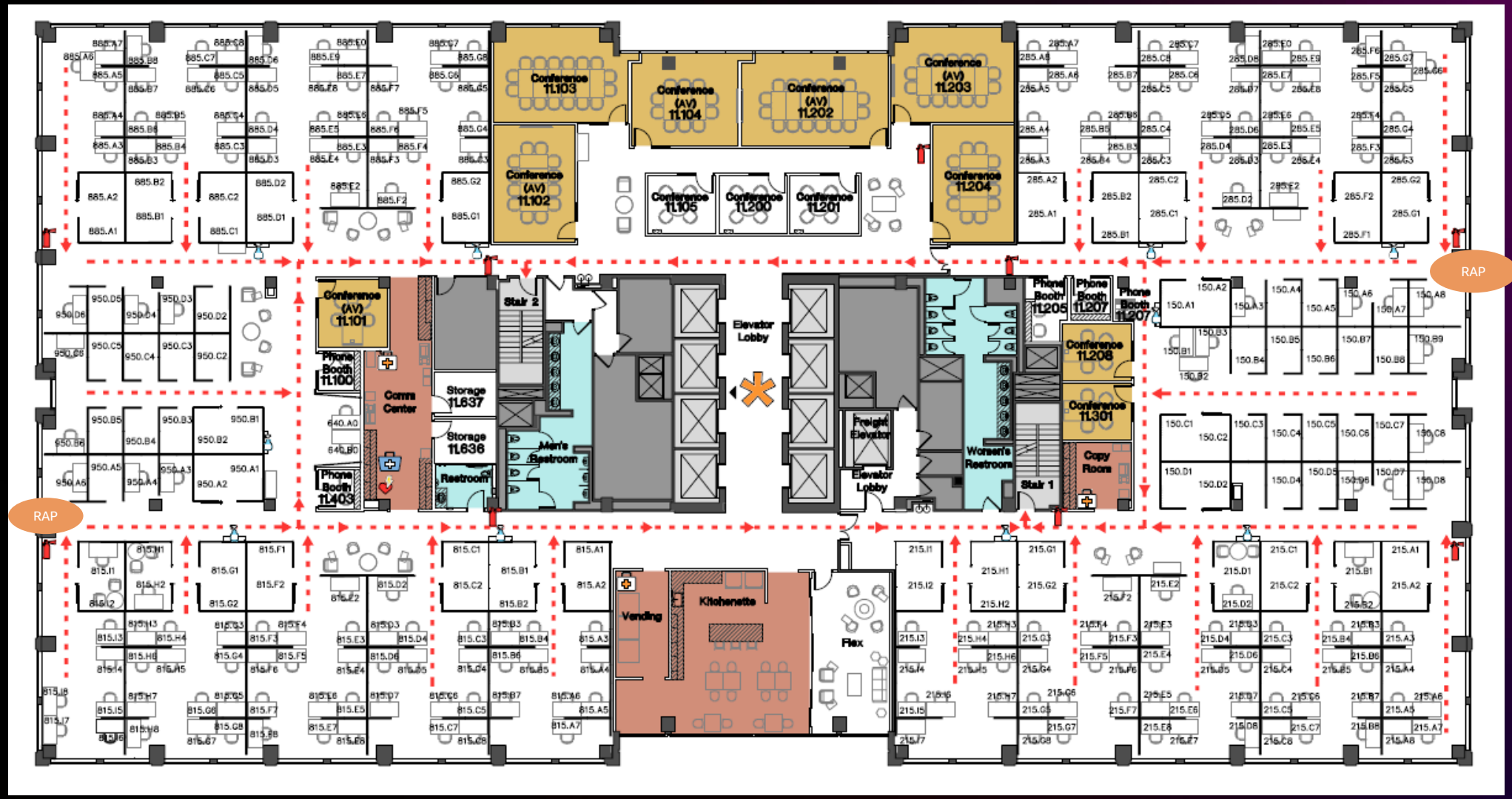
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Connecting a scanner to a customer VPC



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Indoor 1/3 – ~32K sq. ft.



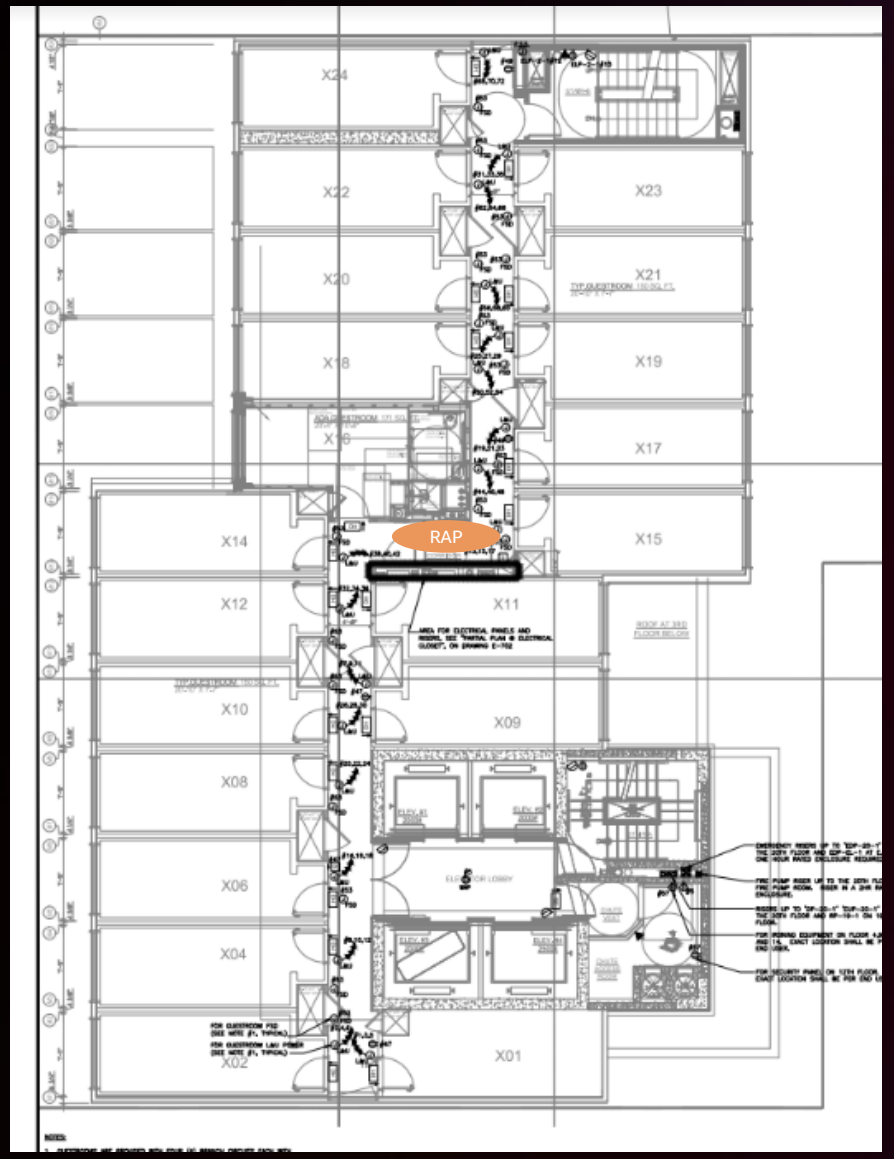
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Indoor 2/3 – One radio, ~38K sq. ft., 24-ft. ceilings



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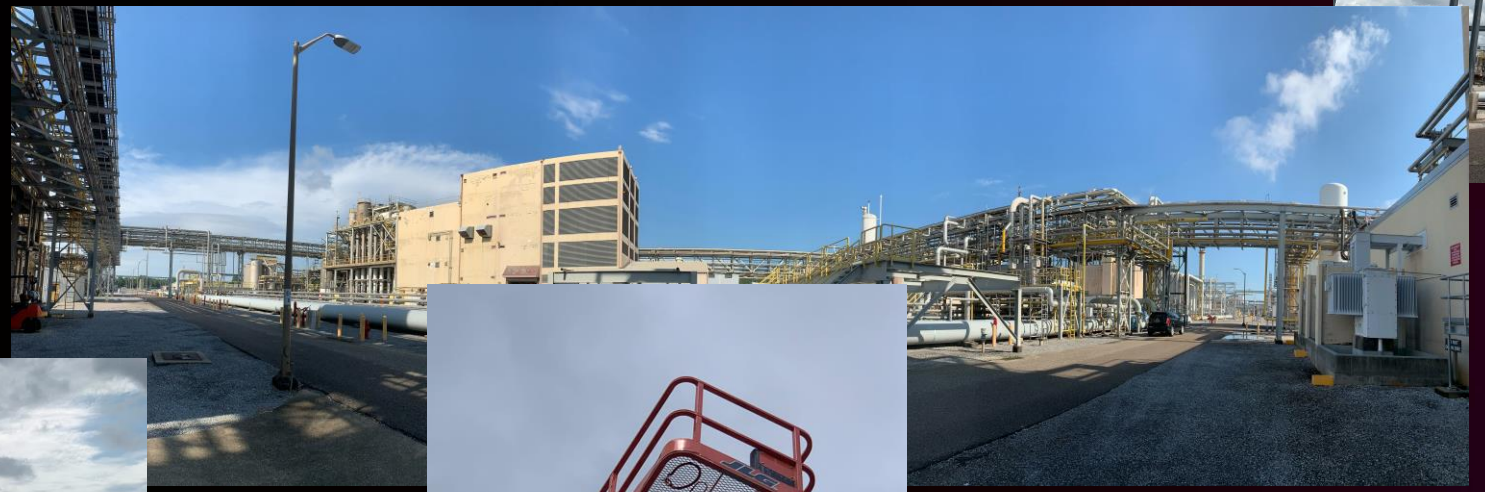
Indoor 3/3 hotel, 5,400 ft., heavy concrete & steel



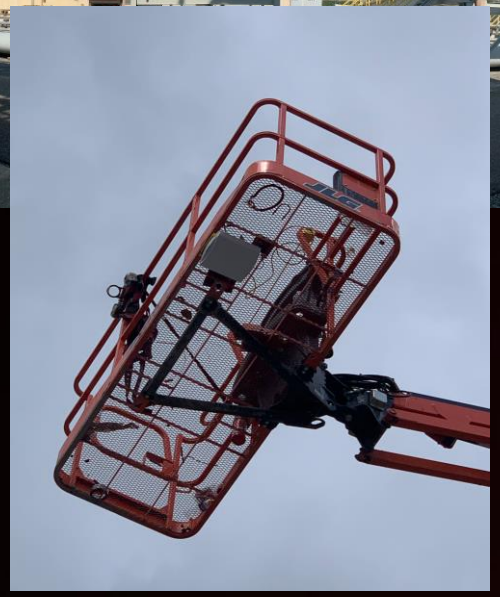
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Outdoor testing 1/4 – Simulating real-world locations









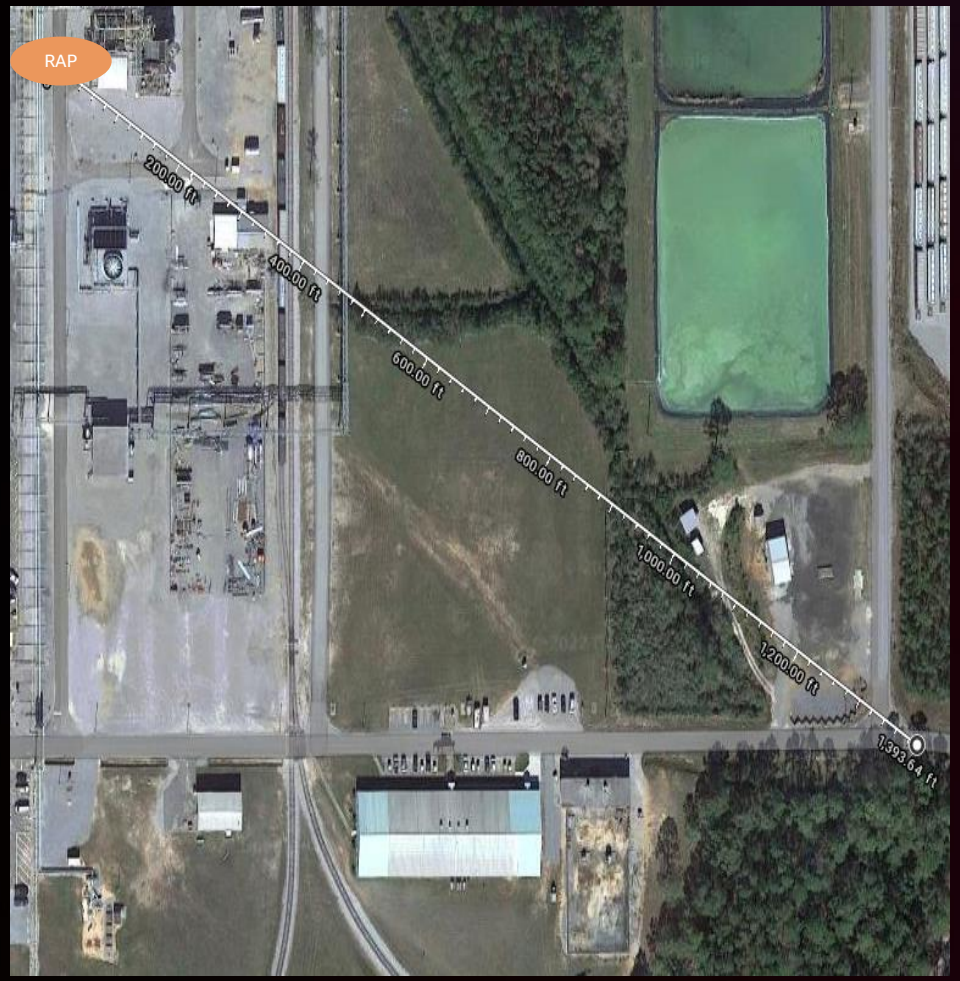
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Outdoor testing 2/4 – Near line of site (NLOS)



1,125 ft.



1,393 ft.



1,006 ft. (inside cinder block building

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Outdoor testing 3/4 high obstructions NLOS



1,122 ft.



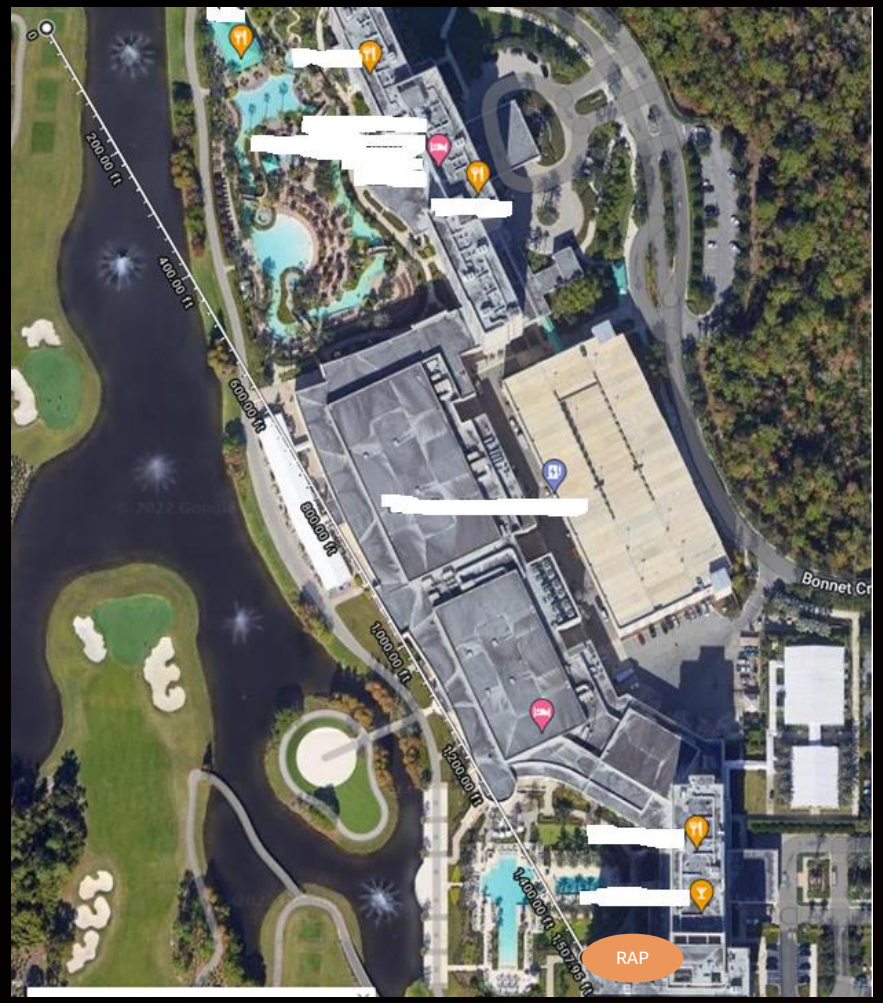
522 ft.



651 ft.

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Outdoor testing 4/4 line of sight



1,507 ft.



5,179 ft. (with high-gain BEC 4900 user device)

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Thank you!

George Oakes

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