

Instituto Tecnológico de Pabellón de Arteaga

**>> CAPTURAS DE ACTIVIDAD EN
CLASE CON ANTENAS <<**

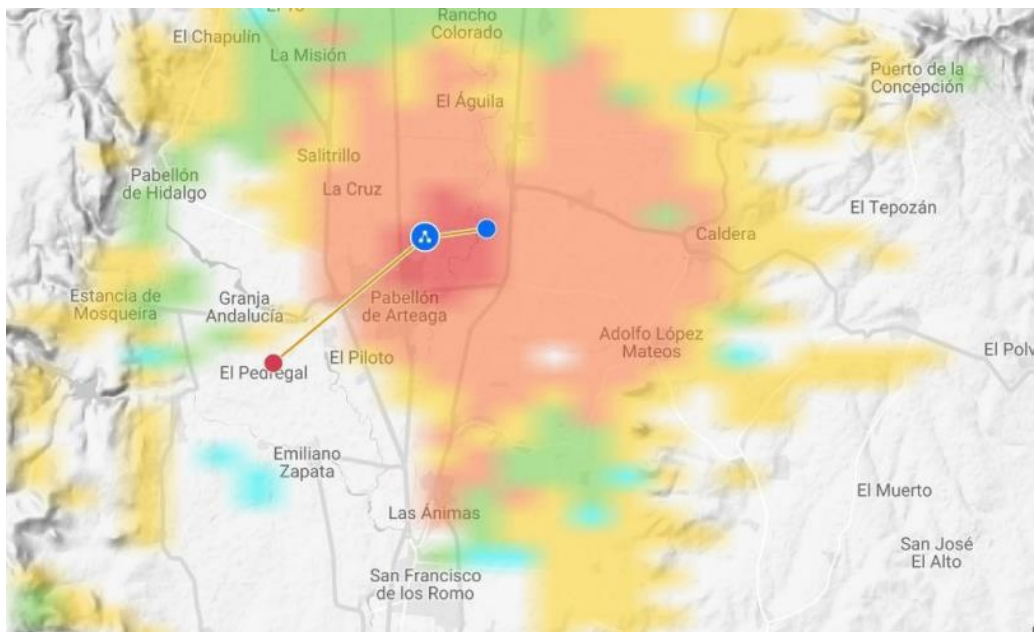
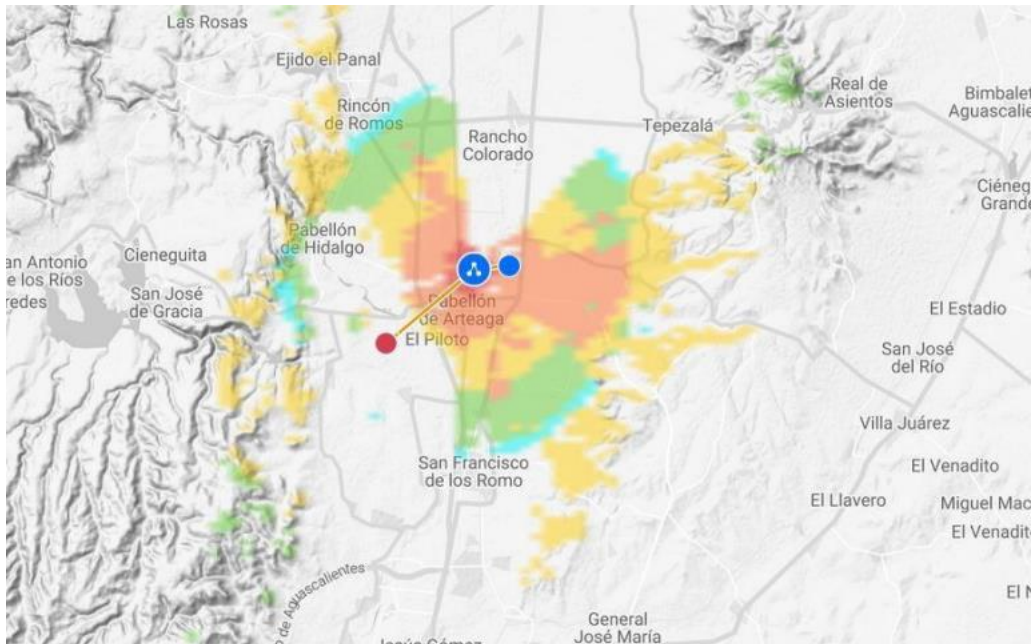
Maestro: Eduardo Flores.

Alumno: Melany Malen Chavez Ortiz

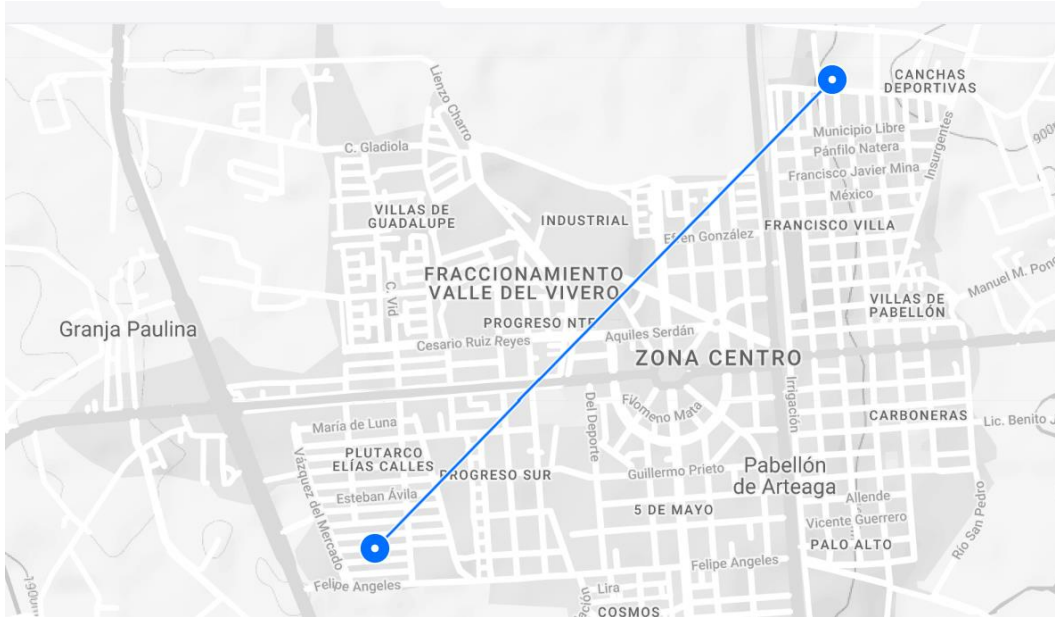
Fecha: 10/10/23

Grupo: ITIC5

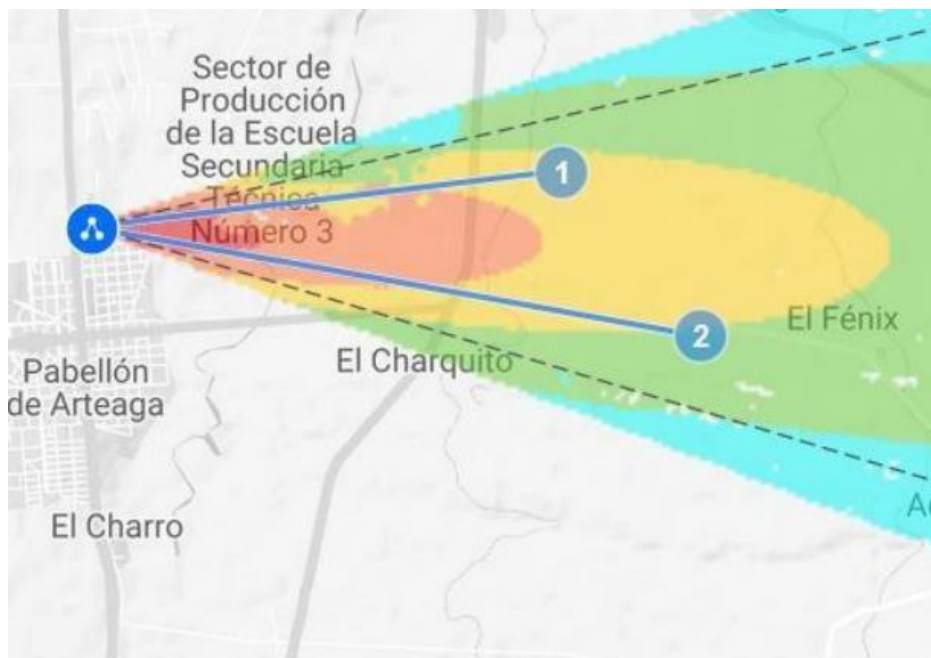
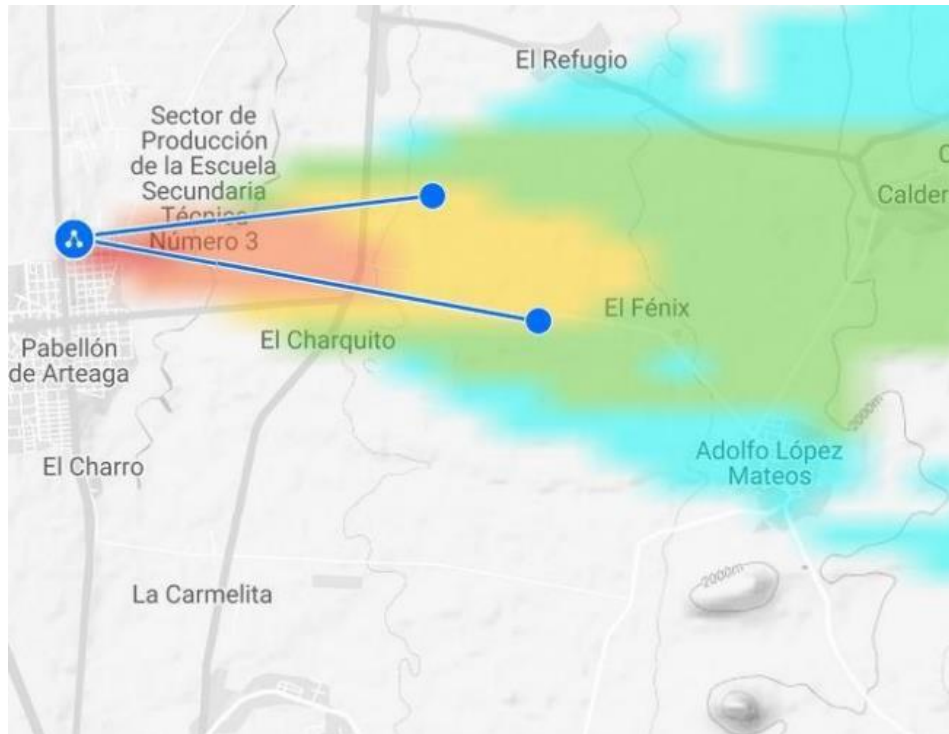
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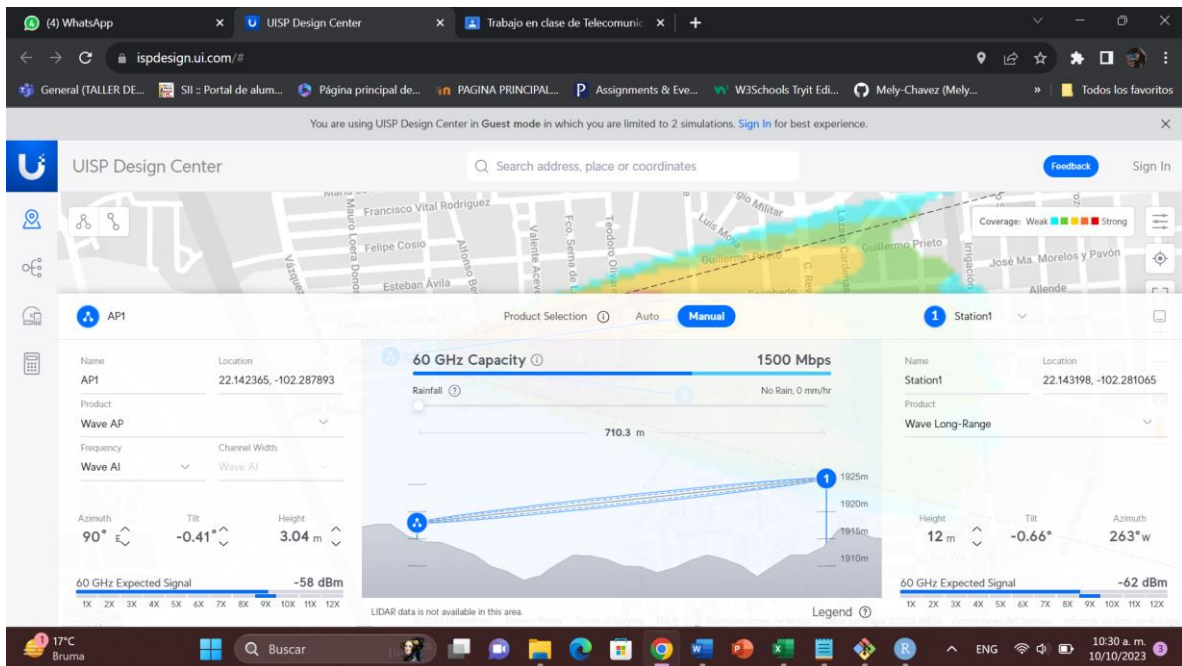
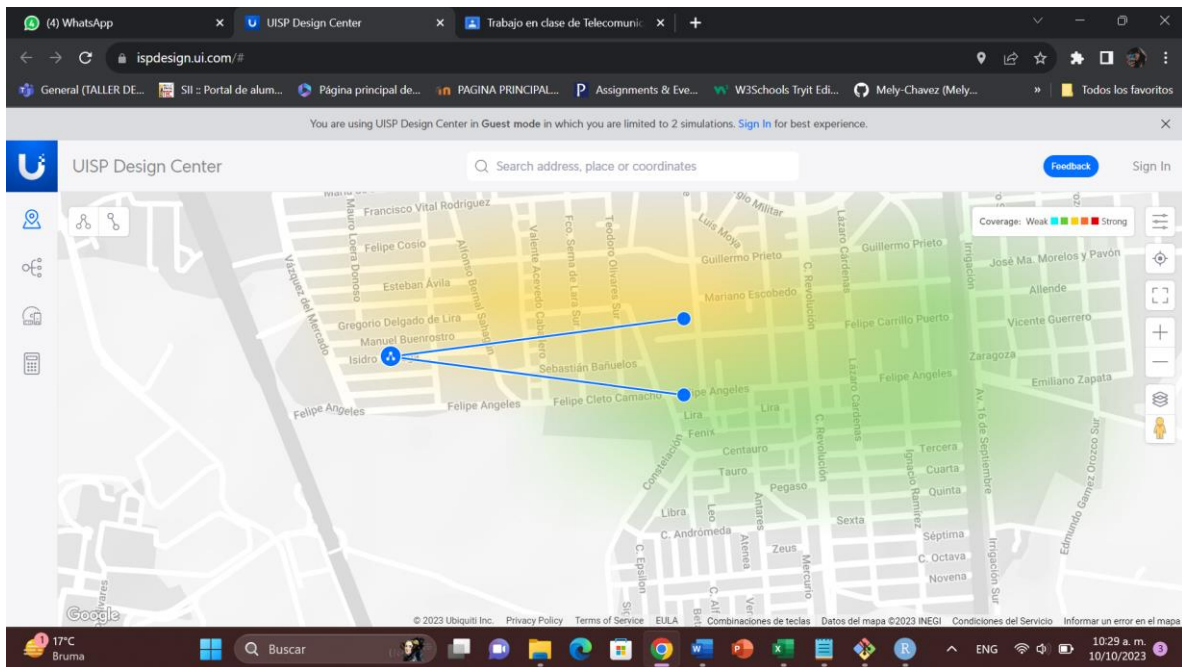
Punto a Punto:



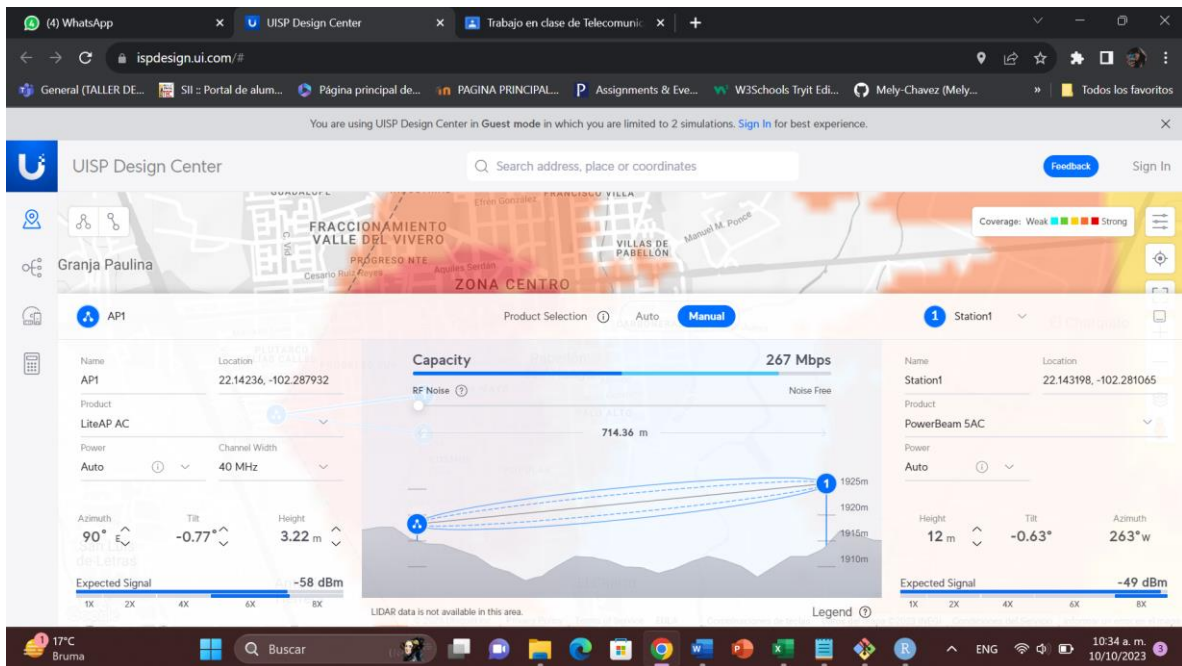
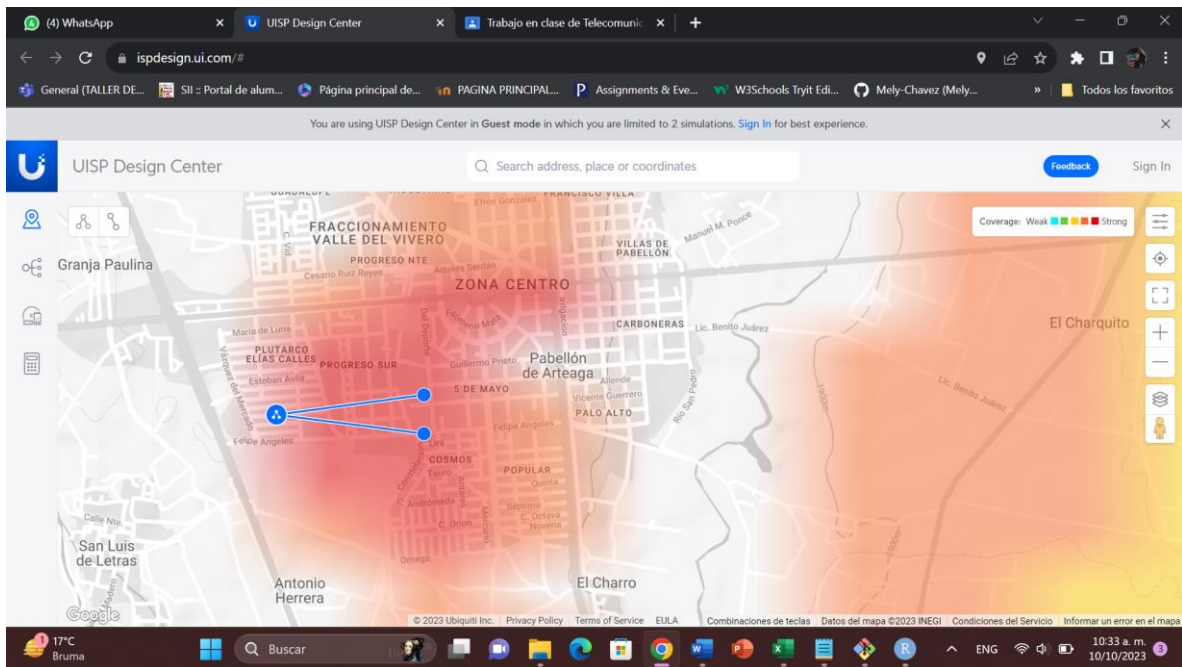
Señal sectorial:

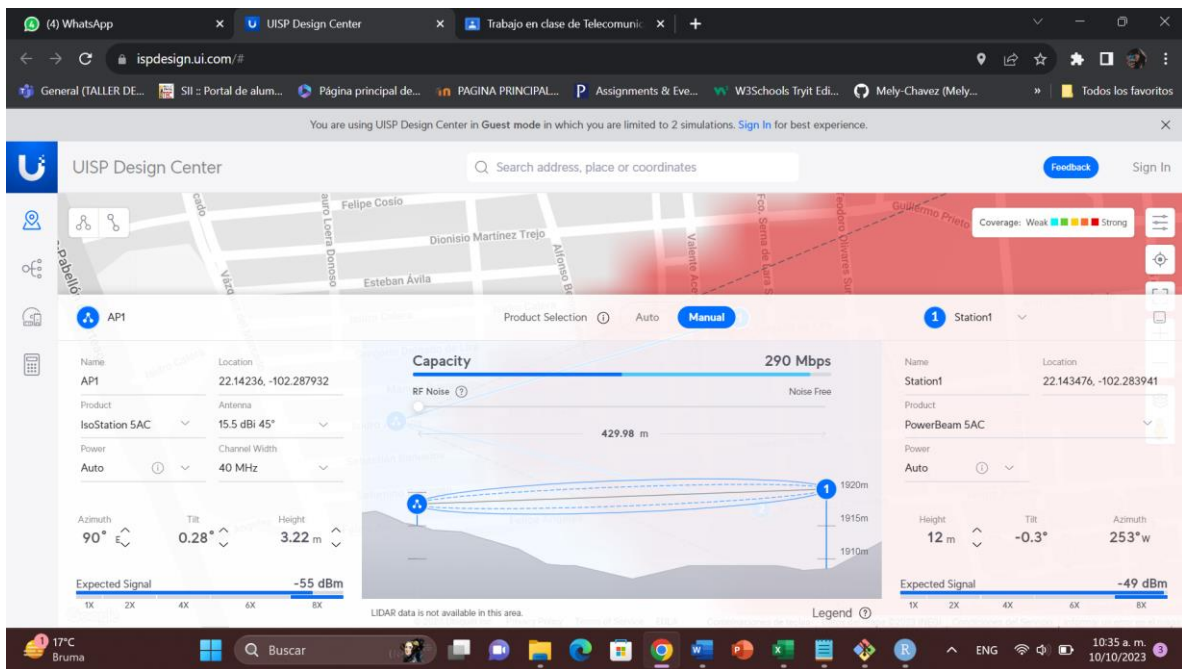
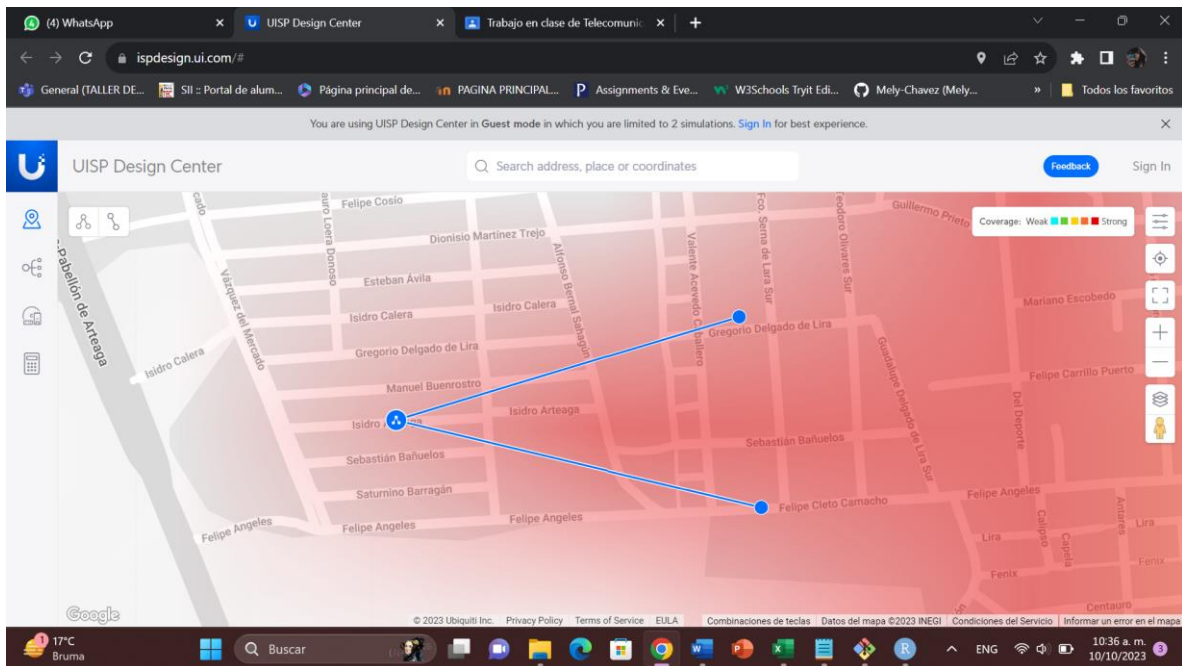


Wave AP:

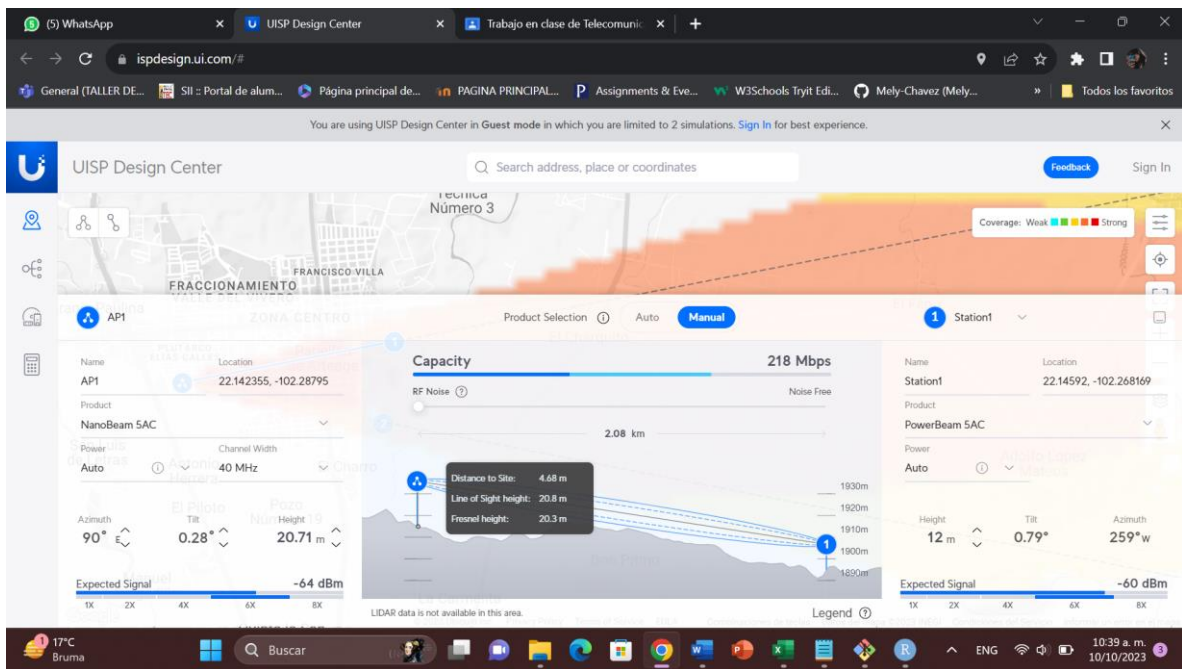
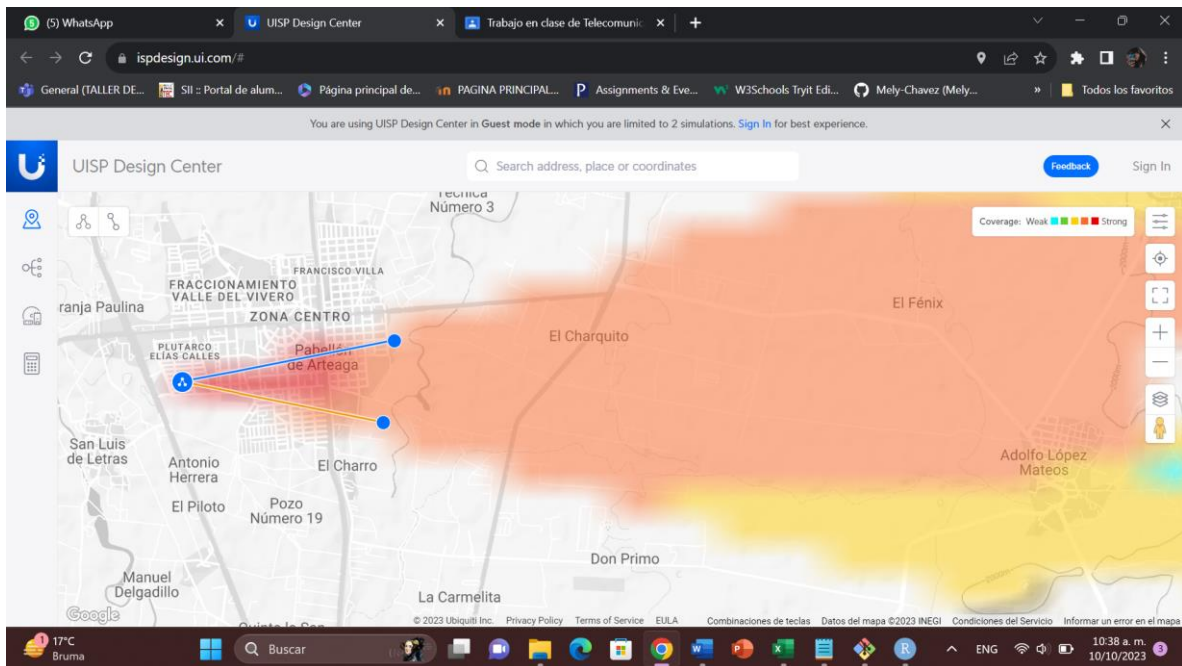


Lite AP AC:





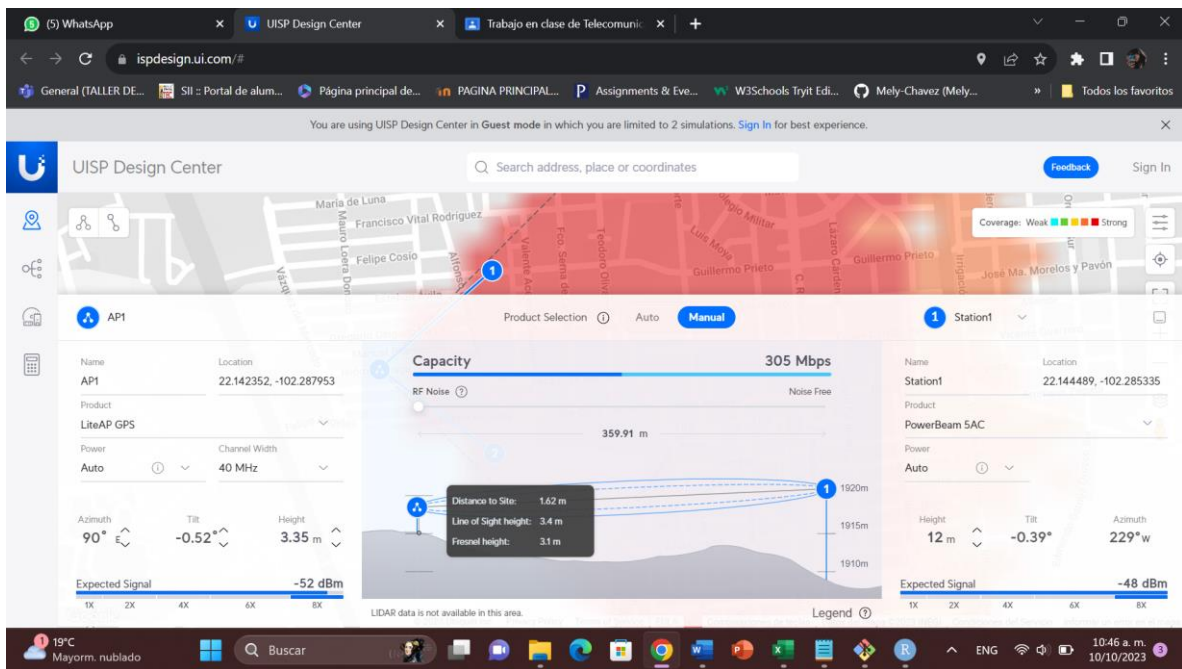
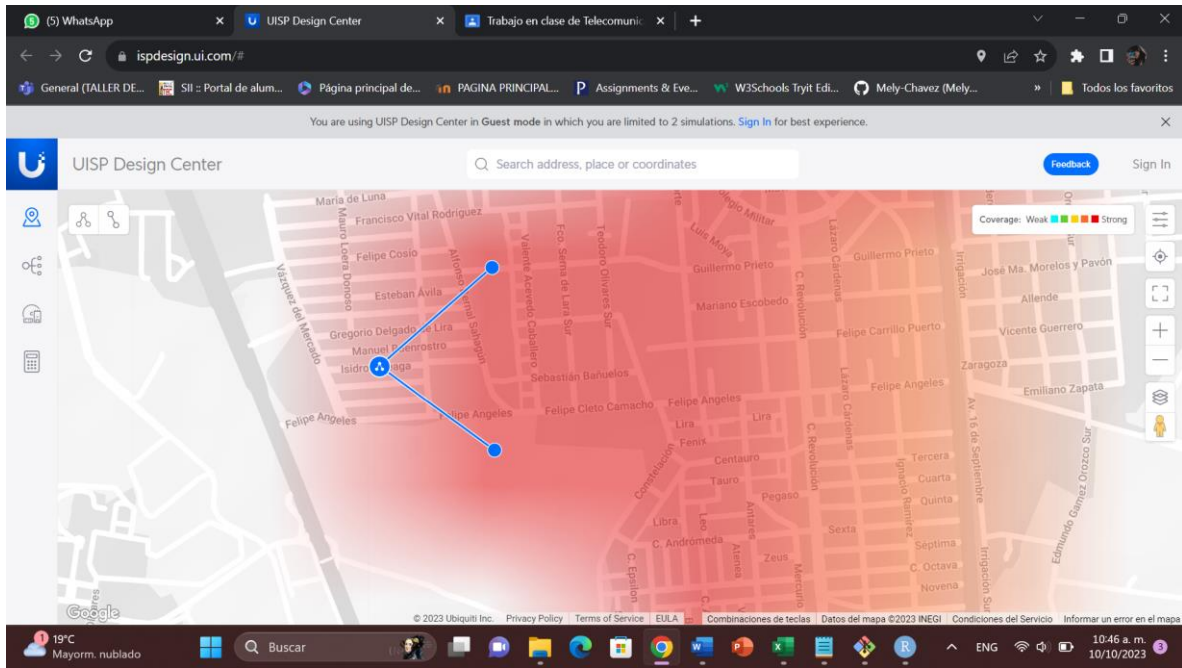
NanoBeam 5AC:



The top screenshot displays the UISP Design Center interface in map view. A base station (blue dot) is located near San Luis de Letras. Two client locations (red dots) are marked: one near El Refugio and another near La Carmelita. The map shows a signal path (red line) connecting the base station to the clients. The interface includes a search bar, a feedback button, and a sign-in link. The bottom status bar shows the system clock and network status.

The bottom screenshot shows the same map view but with the 'Manual' configuration mode selected. The interface displays detailed settings for the base station and client. The base station settings include Name (API), Location (22.142355, -102.28795), Product (LTU-Rocket), Antenna (19 dBi 120°), Power (Auto), Channel Width (100 MHz), Azimuth (90°), Tilt (1.13°), Height (20.71 m), and Expected Signal (-74 dBm). The client settings include Name (Station1), Location (22.168337, -102.226627), Product (LTU-LR), Power (Auto), Height (12 m), Tilt (-0.22°), Azimuth (245°w), and Expected Signal (-68 dBm). The map also shows a signal path (red line) connecting the base station to the client. The bottom status bar shows the system clock and network status.

LiteA GPS:



Lite Beam ACXR:

UISP Design Center

Search address, place or coordinates

Feedback Sign In

Coverage: Weak Strong

6000000000 +2.20%

UISP Design Center

Search address, place or coordinates

Feedback Sign In

API

Product Selection ① Auto Manual

1 Station1

Name API Location 22.142591, -102.284692

Product LiteBeam AC XR

Power Auto Channel Width 40 MHz

Azimuth 90° Tilt 0.36° Height 3.35 m

Expected Signal Out of range

Capacity

RF Noise ① Noise Free

652.75 m

Link out of range

Station1

Name Station1 Location 22.143655, -102.278469

Product PowerBeam 5AC

Power Auto

Height 12 m Tilt -1° Azimuth 260°w

Expected Signal Out of range

LIDAR data is not available in this area.

Legend ①

PrismStation 5AC:

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You are using UISP Design Center in Guest mode in which you are limited to 2 simulations. [Sign In](#) for best experience.

UISP Design Center

Search address, place or coordinates

Feedback Sign In

Coverage: Weak Strong

Google

© 2023 Ubiquiti Inc. Privacy Policy Terms of Service EULA Combinaciones de teclas Datos del mapa ©2023 INEGI Condiciones del Servicio Informar un error en el mapa

19°C Mayorm. nublado

Buscar

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You are using UISP Design Center in Guest mode in which you are limited to 2 simulations. [Sign In](#) for best experience.

UISP Design Center

Search address, place or coordinates

Feedback Sign In

AP1

Product Selection Auto Manual

Station1

Name AP1 Location 22.142597, -102.284665

Product PrismStation SAC

Power Auto

Channel Width 40 MHz

Antenna 19 dBi 30°

Expected Signal -46 dBm

Capacity 305 Mbps

RF Noise Noise Free

245.21 m

1930m

1920m

1910m

LIDAR data is not available in this area.

Legend

Name Station1 Location 22.143098, -102.282353

Product PowerBeam 5AC

Power Auto

Height 12 m Tilt 2.55° Azimuth 257° w

Expected Signal -45 dBm

15°C Nublado

Buscar

LTU ROCKET:

The screenshot shows the UISP Design Center web application interface. The main map displays a simulated signal path from a base station (AP1) to two stations (Station1 and Station2). A table in the center provides the following data:

Station	Distance	Link Capacity
Station1 LTU-LR	574.12 m	751 Mbps
Station2 LTU-LR	649.94 m	859 Mbps

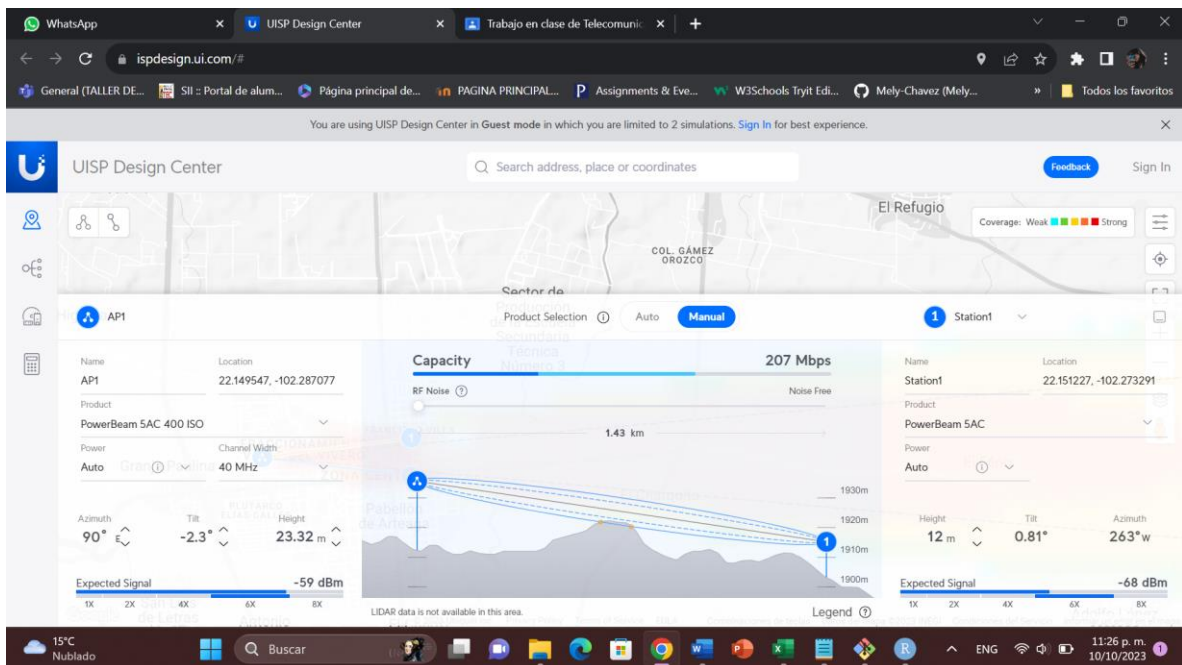
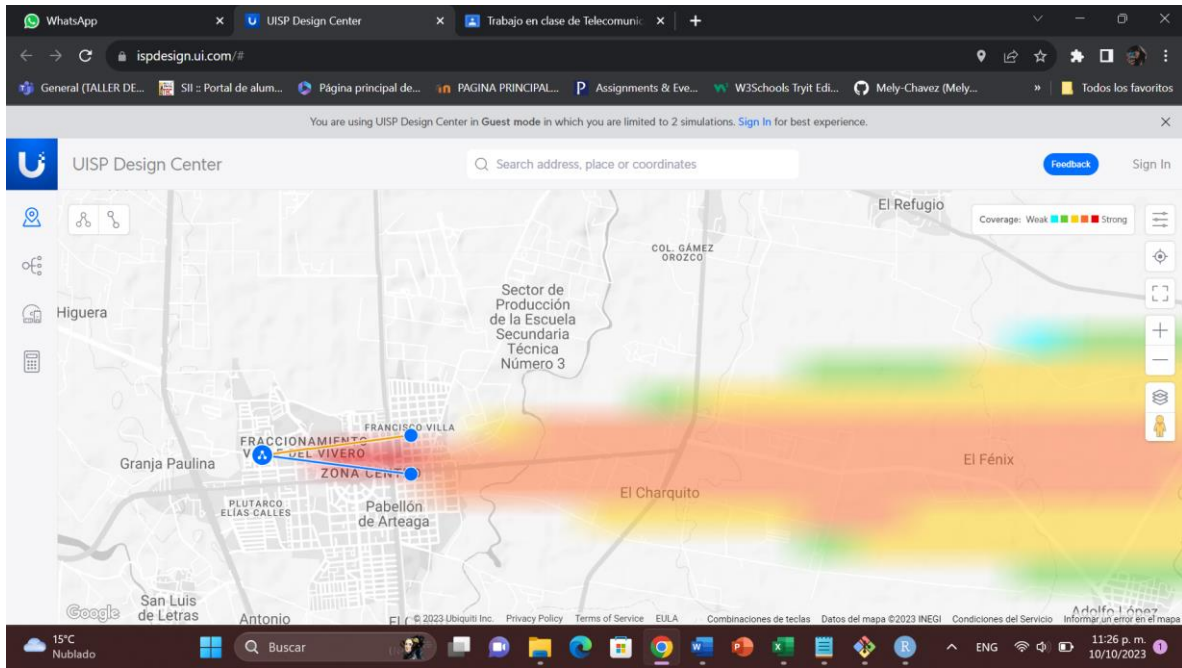
The interface includes a search bar, a feedback button, and a sign-in link. A notification box on the right indicates that the screenshot was captured using a screen capture tool.

The screenshot shows the detailed configuration and simulation results for the LTU Rocket setup. The interface includes a search bar, a feedback button, and a sign-in link. The configuration details are as follows:

Parameter	Value
Name	AP1
Location	22.142571, -102.284682
Product	LTU-Rocket
Antenna	19 dBi 120°
Power	Auto
Channel Width	100 MHz
Expected Signal	-53 dBm

The simulation results show a signal path from the base station to the stations, with a capacity of 751 Mbps. The interface also includes a legend and a notification box indicating that the screenshot was captured using a screen capture tool.

PowerBeam 5AC 400 iso:



Nombre	Bandas	Precio	Velocidad Máxima	Número de clientes	Certificaciones
LTU-Rocket	5GHz	400 USD	1073 Mbs	100+	FCC, IC, CE
LiteAP AC	5GHz	1,488 Mx	450 Mbs	90+	FCC, IC, CE
WaveAP Micro	5 GHz	500 USD	800+ Mbs	15	FCC, IC, CE
Bullet AC 2.4 Ghz	2.4 GHz	2,573 Mx	160 Mbps	↔	CE, FCC, IC
Bullet AC 5Ghz	5 Ghz	2,311 Mx	300+ Mbs	↔	CE, FCC, IC
PowerBeam 2AC	2.4 GHz	119 USD	450+ Mbps	↔	CE, FCC, IC
NanoStation Loco M900	2.4 GHz	3,375.84 Mx	150+ Mbps	↔	CE, FCC, IC
IsoStation 5AC	5 Ghz	2,833 Mx	450 Mbps	25	FCC, IC
Bullet M2	2.4 GHz	79 Usd	100+ Mbps	↔	FCC, IC, CE
Bullet AC IP67	2.4Ghz/5 Ghz	129 Usd	300+ Mbs	↔	FCC, IC, CE

Pregunta:

Con una antena sectorial o omnidireccional modifique los valores "azimuth" y "tilt" ¿Qué pasa si modifica los valores de azimuth y tilt?

Al modificar estos valores, puedes personalizar la cobertura de la antena según tus necesidades específicas. El tilt para dirigir la señal hacia un área densamente poblada, evitar interferencias o mejorar la cobertura en un piso específico de un edificio.