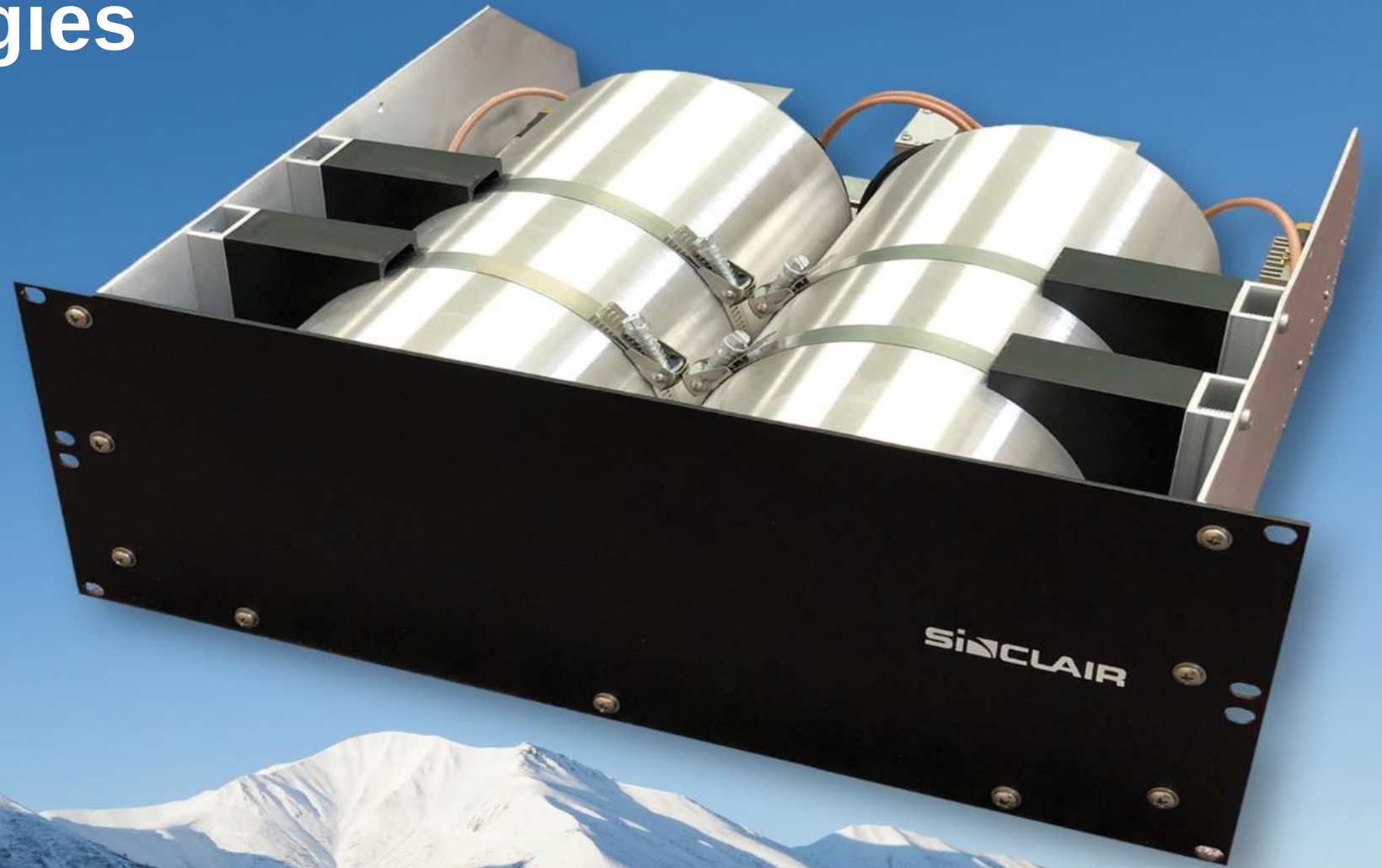


Sinclair Technologies Presents

IntelliTUNE™

*The Next
Generation of
Smart Combiners*



Agenda



FEATURES

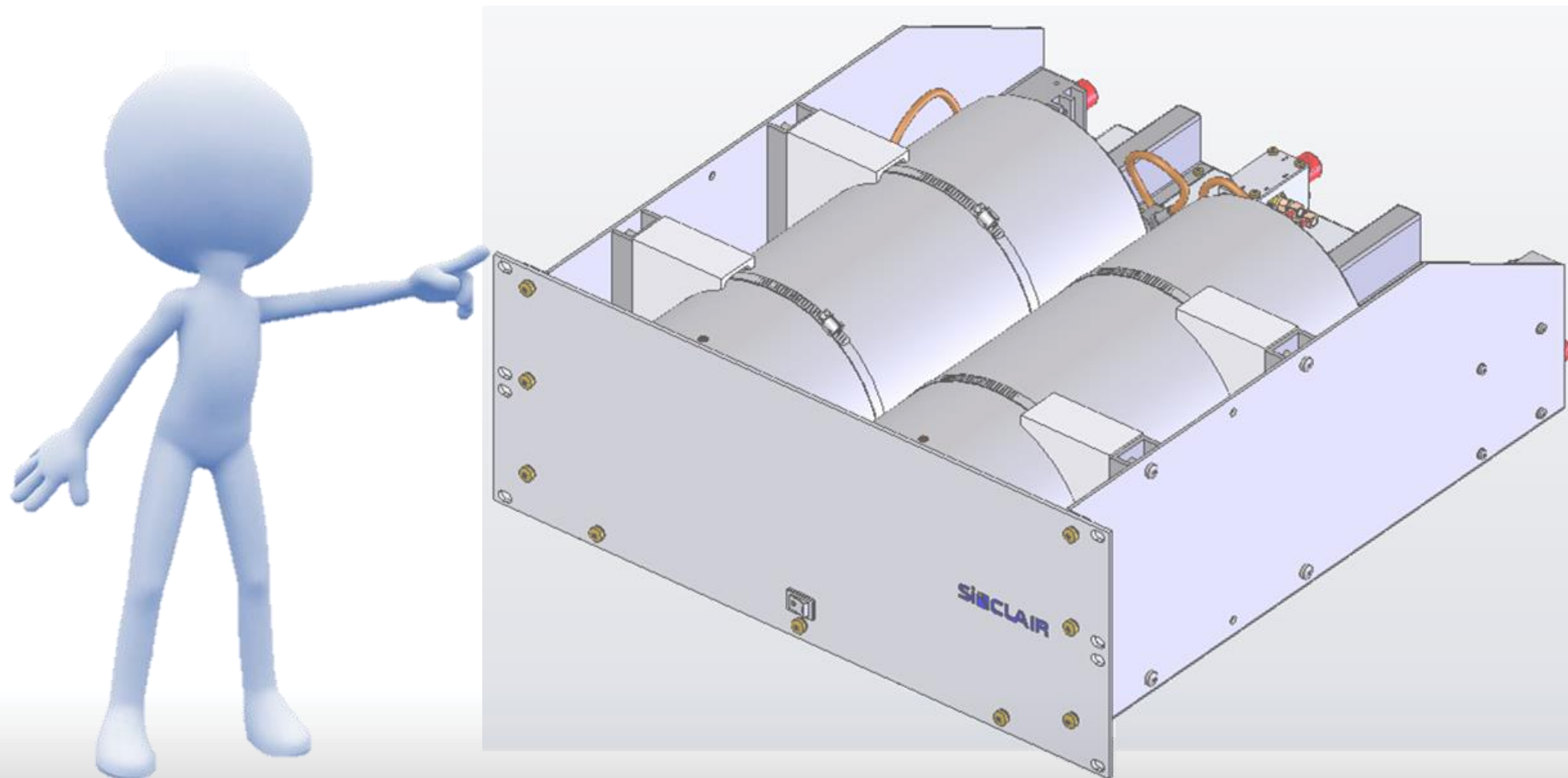


APPLICATIONS

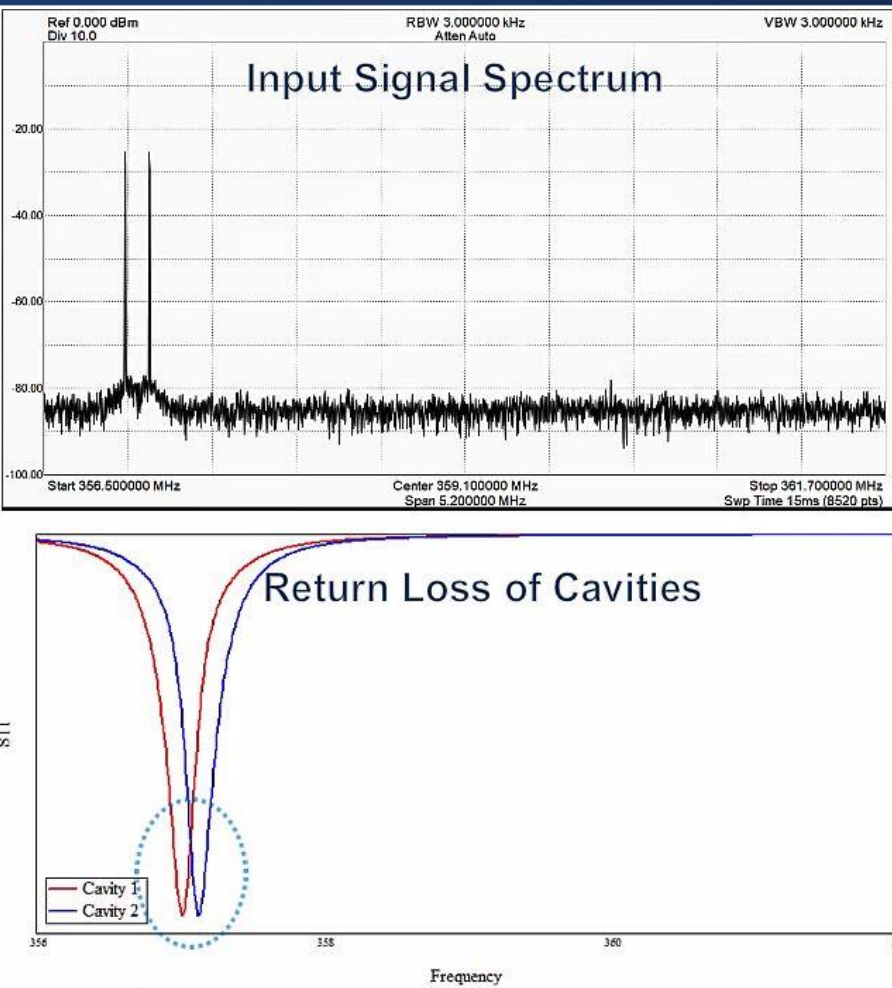
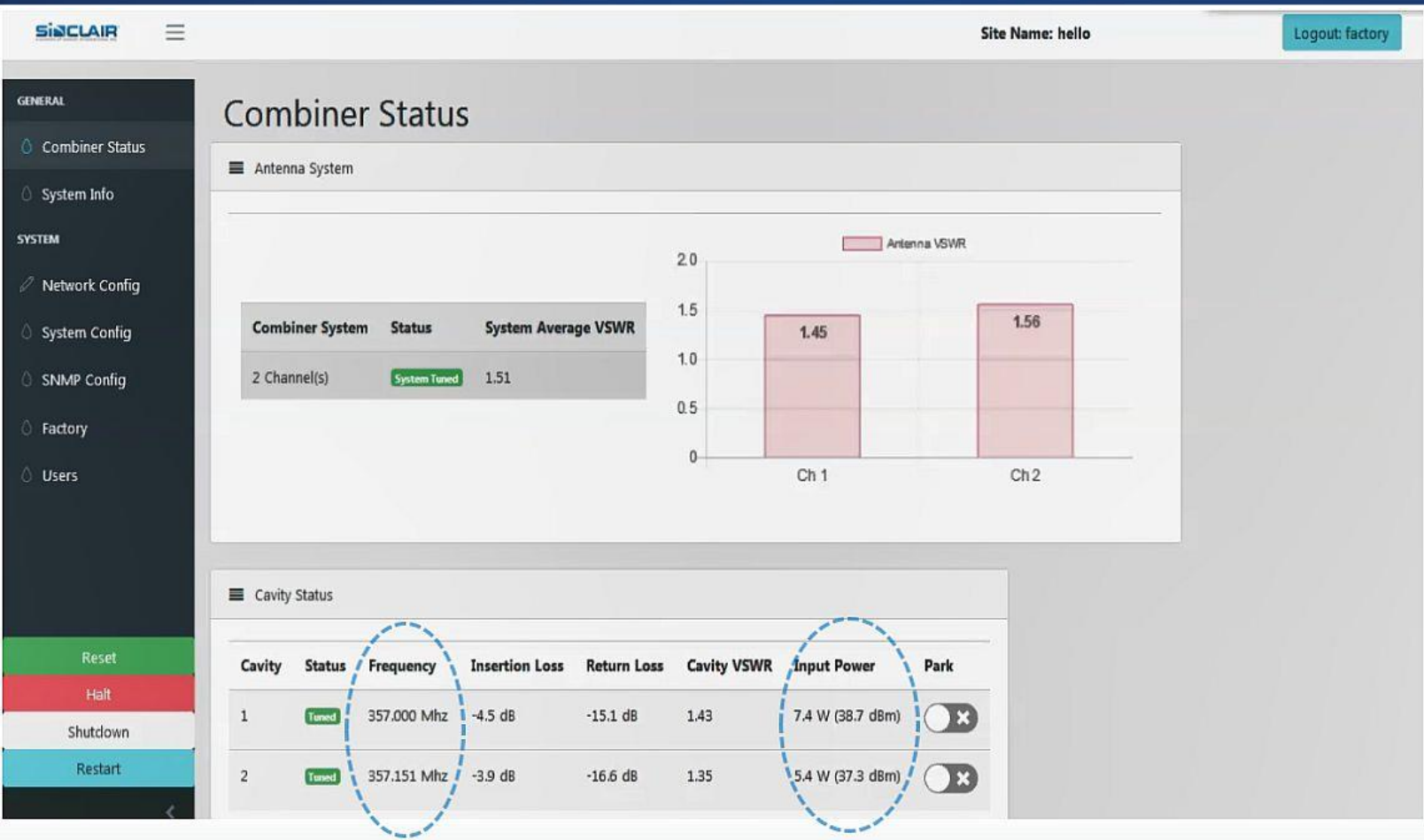


INSTALLATION AND
SETUP

IntelliTUNE™ Features

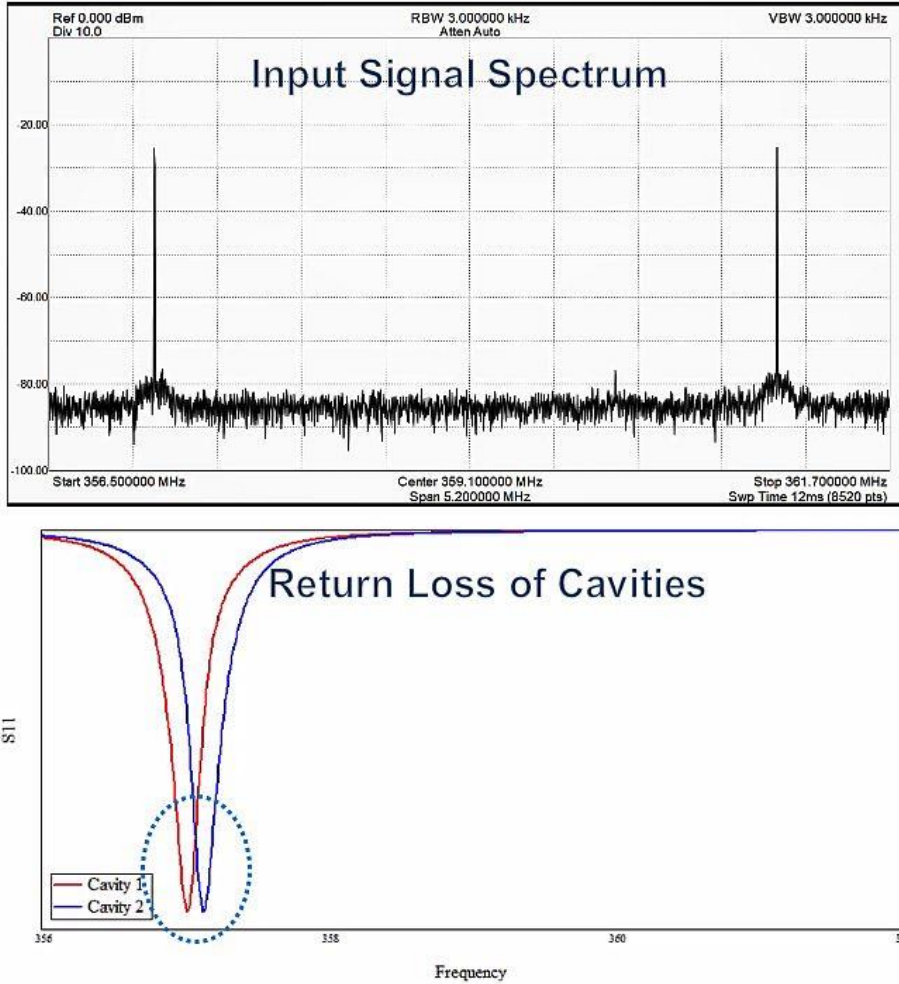
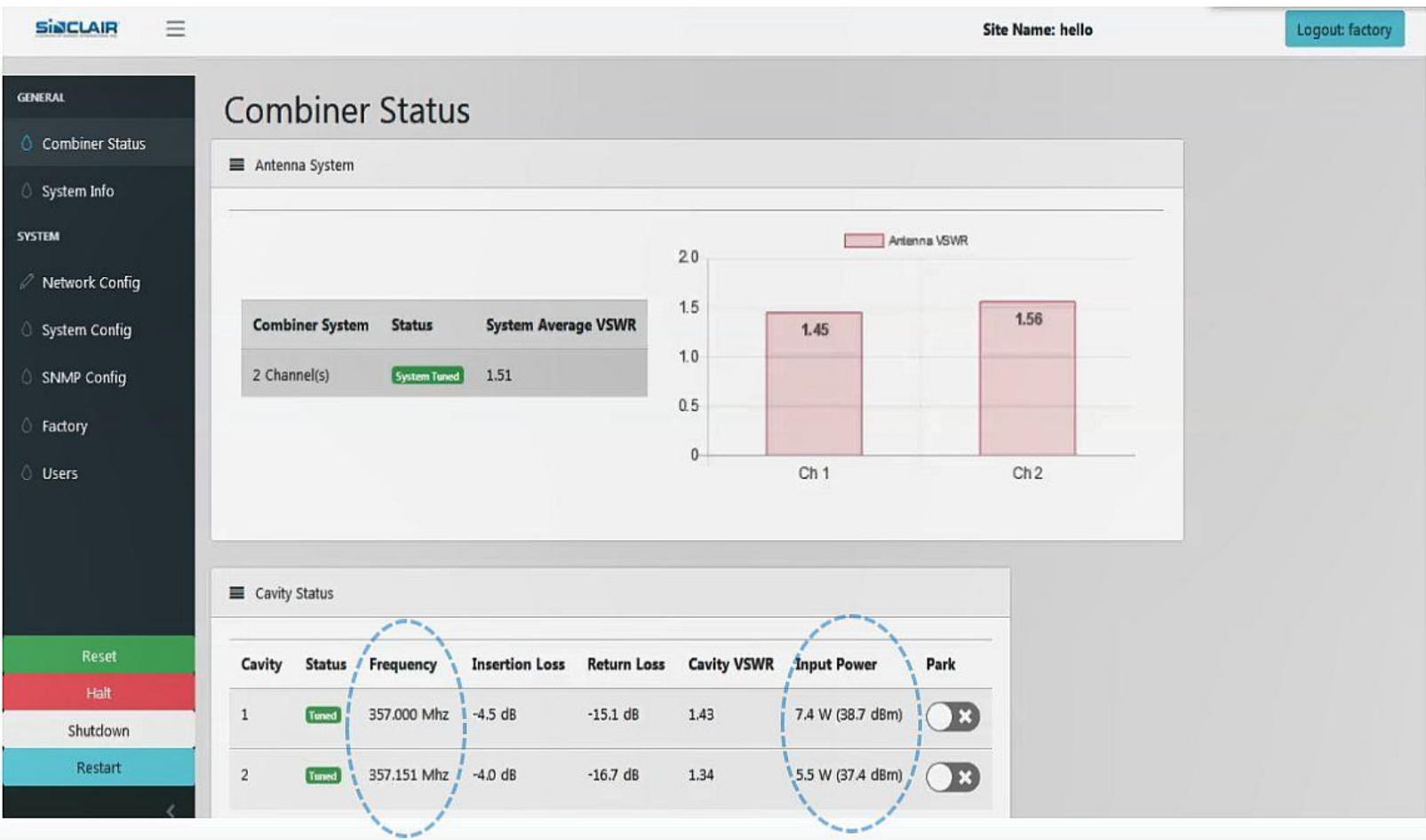


Automatically Tracks Transmit Frequencies

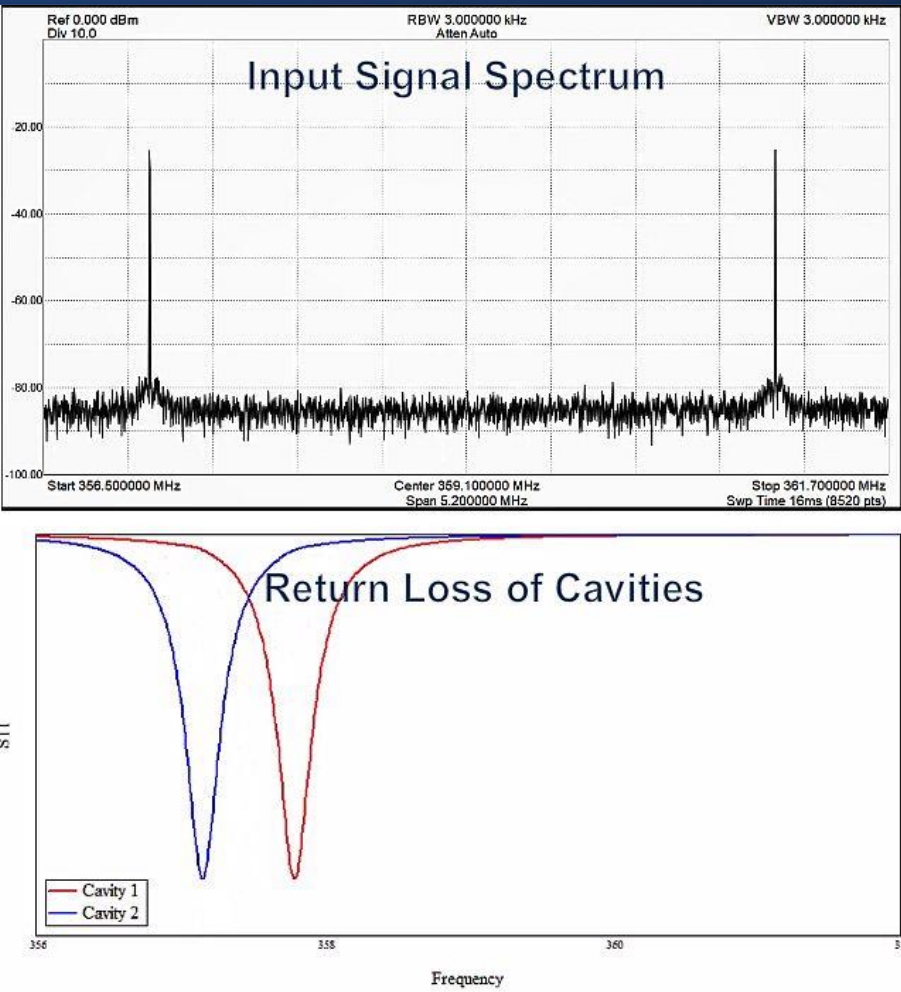
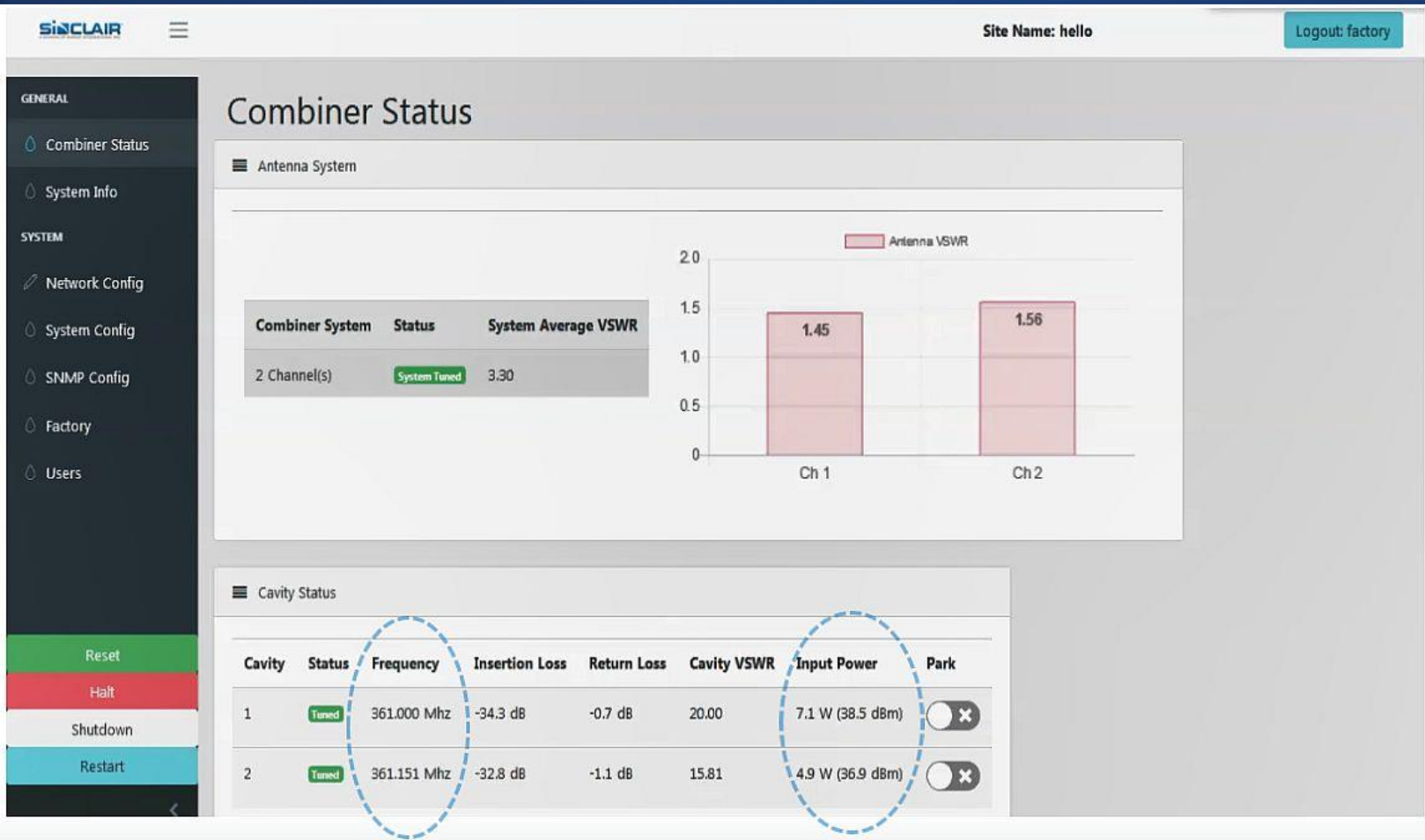


**THE COMBINER AUTOMATICALLY DETECTS CHANGES IN FREQUENCY
AND RETUNES THE COMBINER TO THE NEW FREQUENCIES**

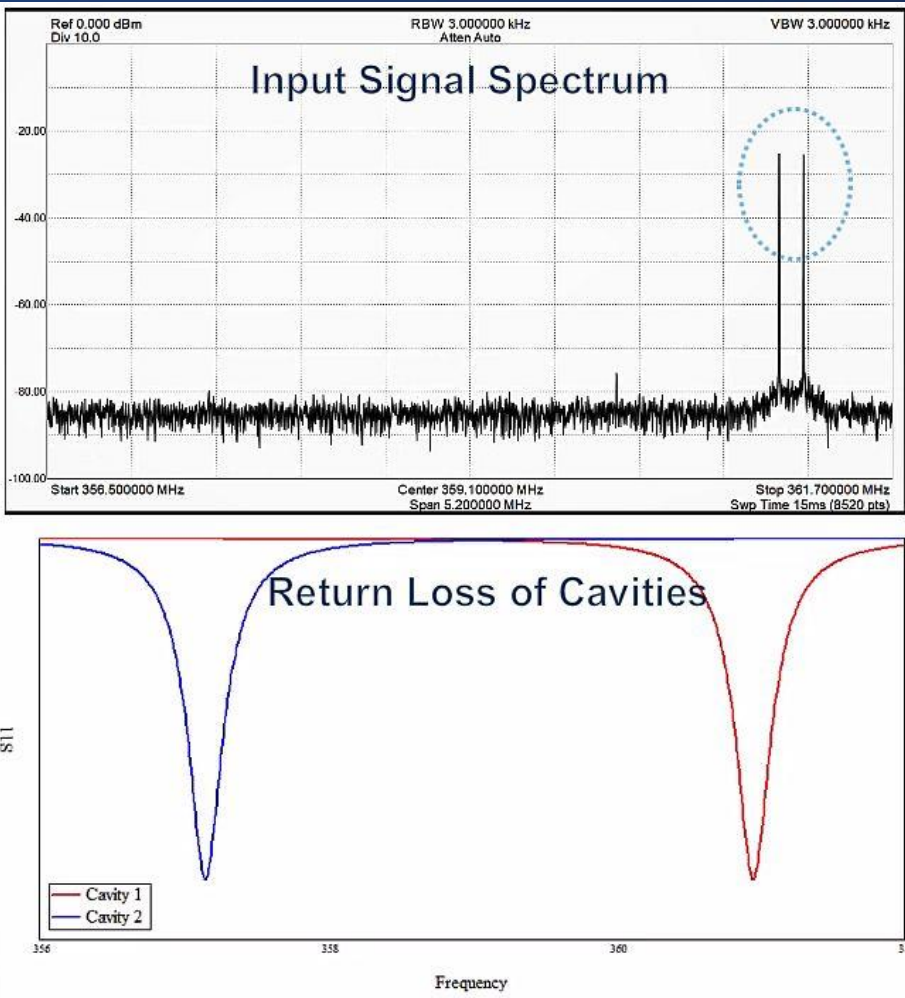
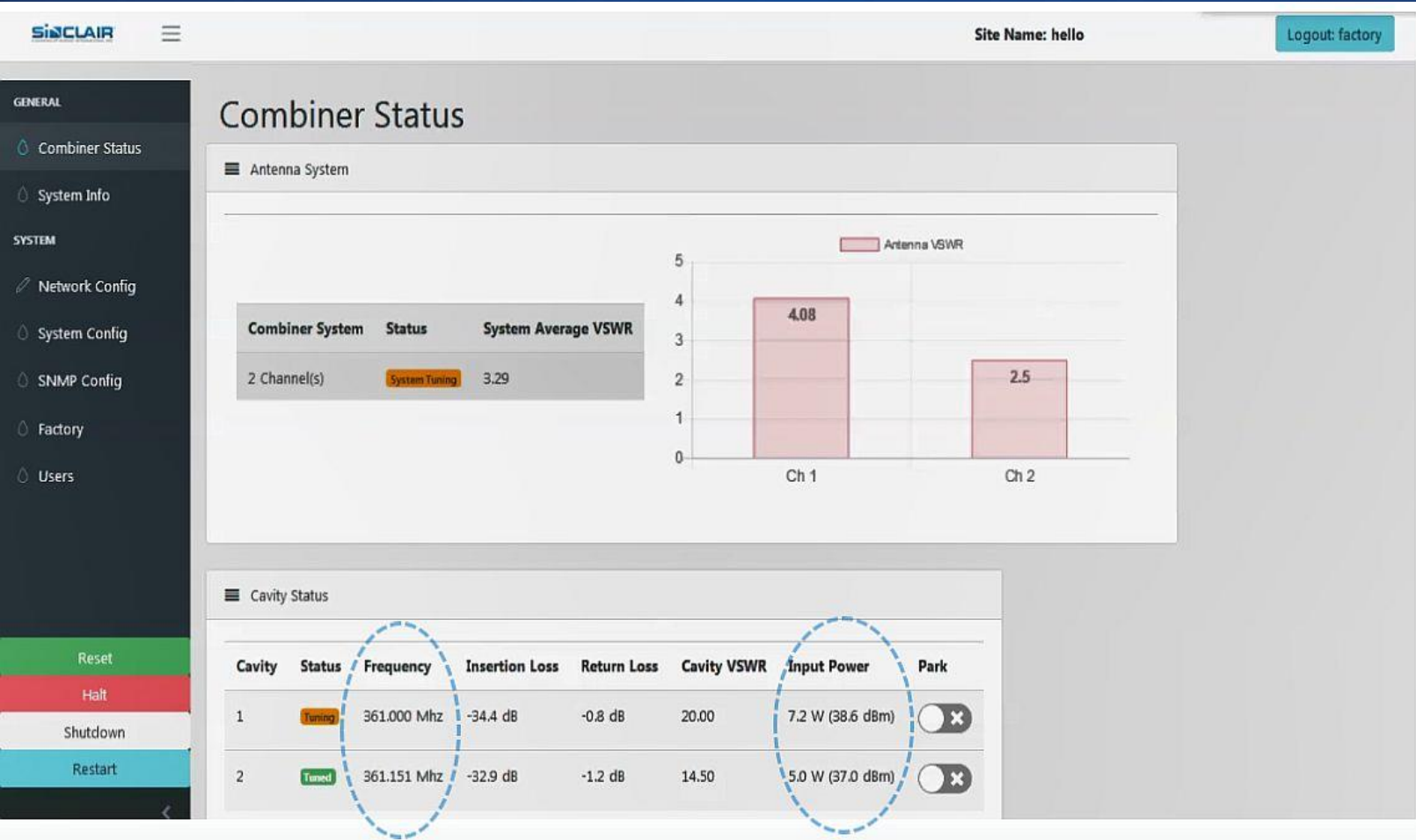
Automatically Tracks Transmit Frequencies



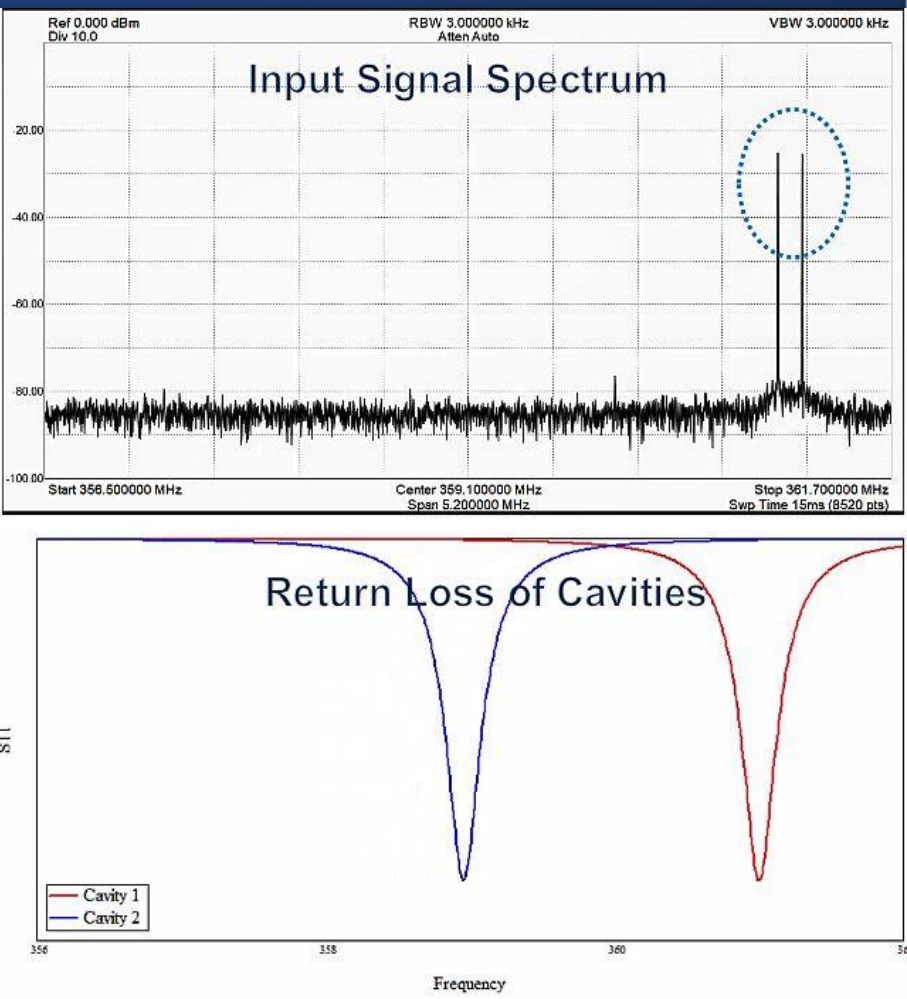
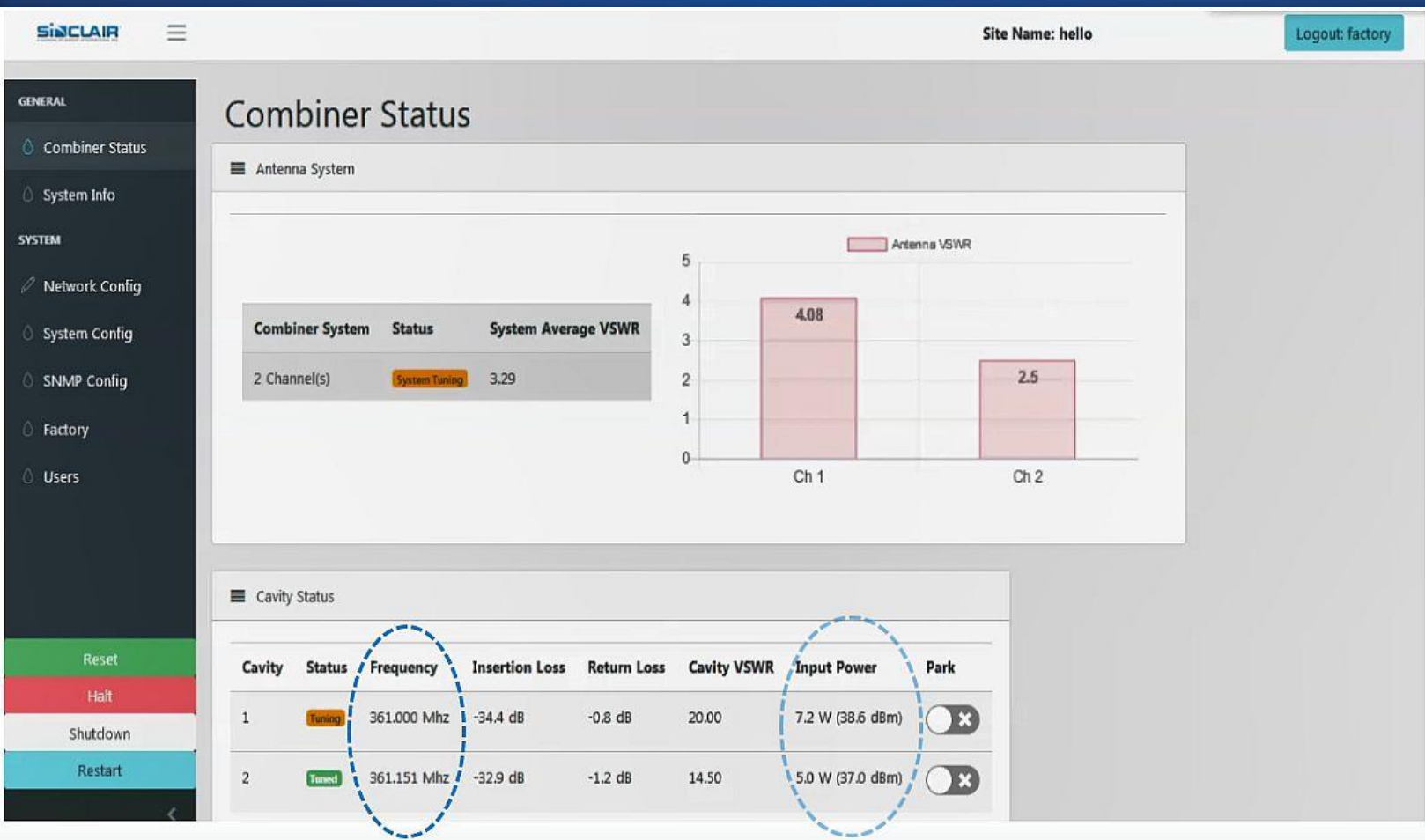
Automatically Tracks Transmit Frequencies



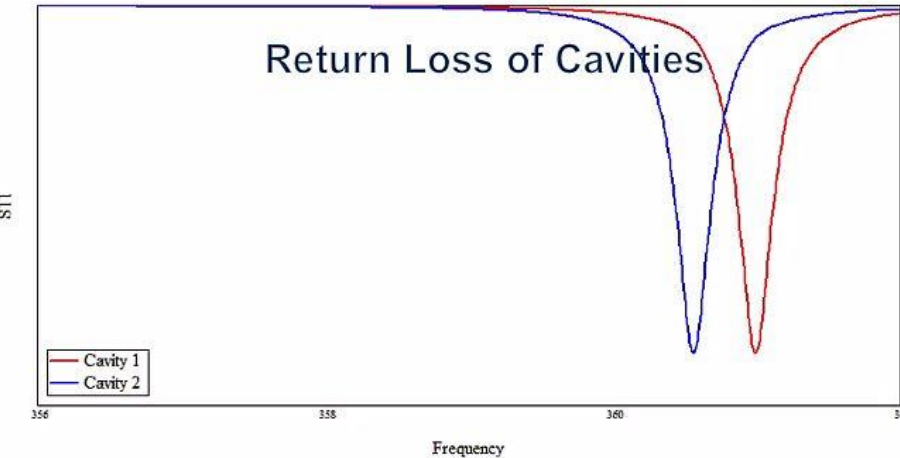
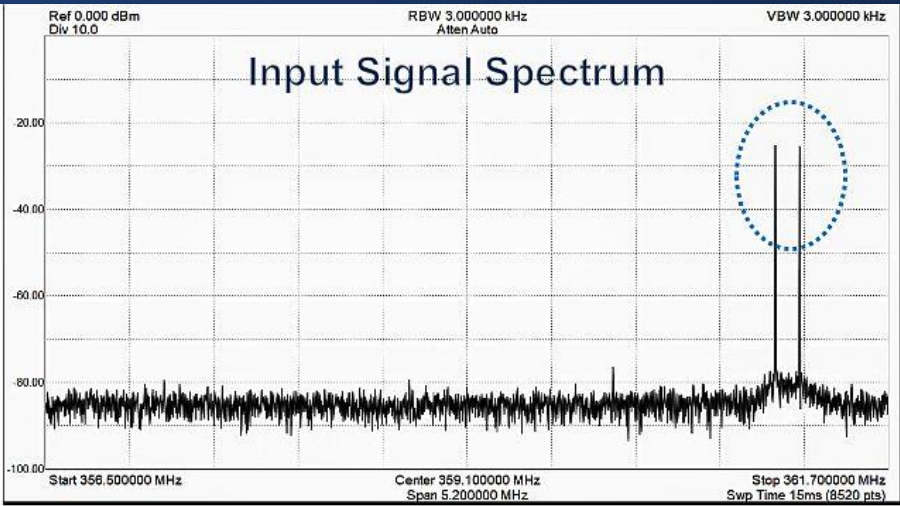
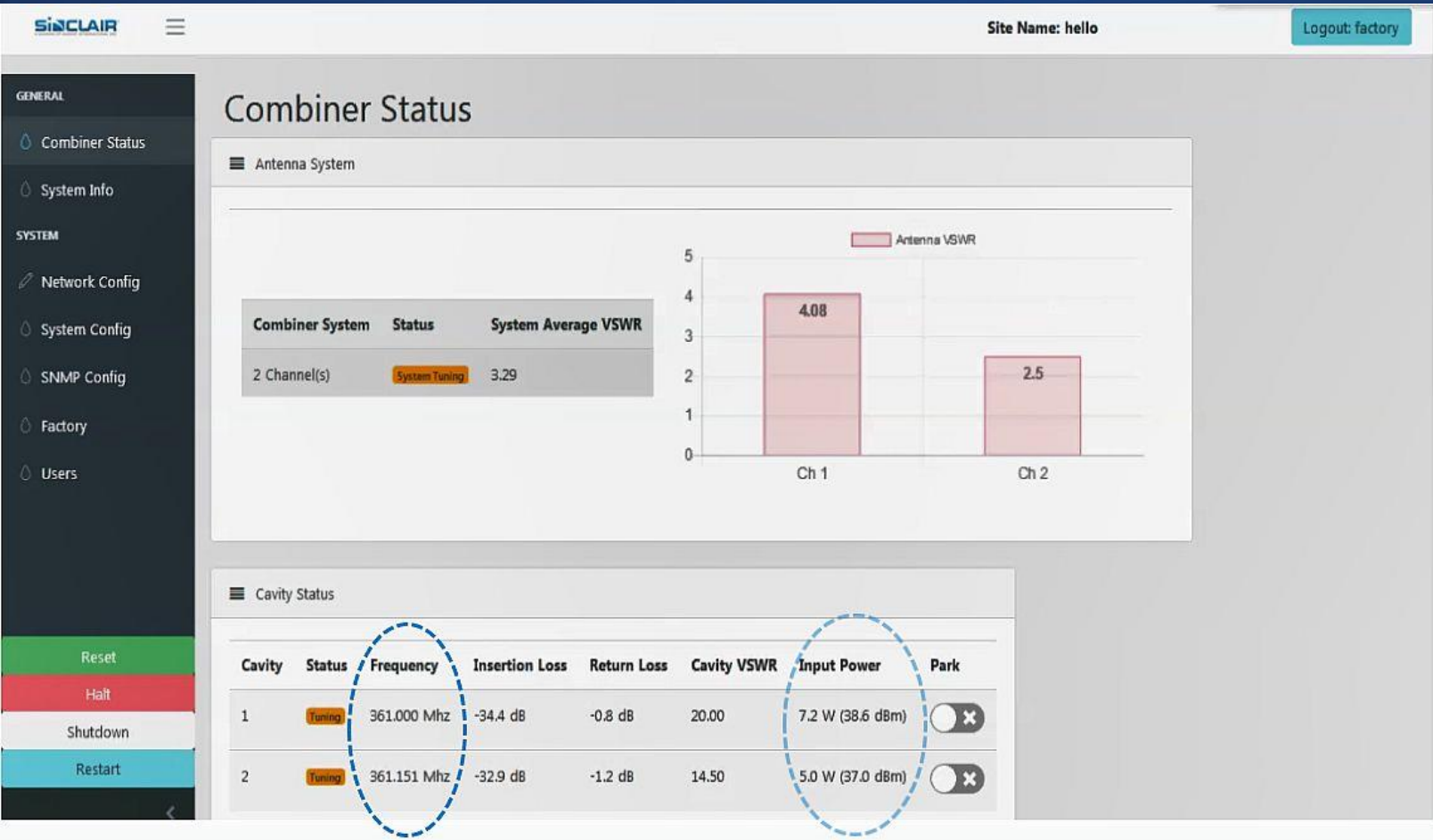
Automatically Tracks Transmit Frequencies



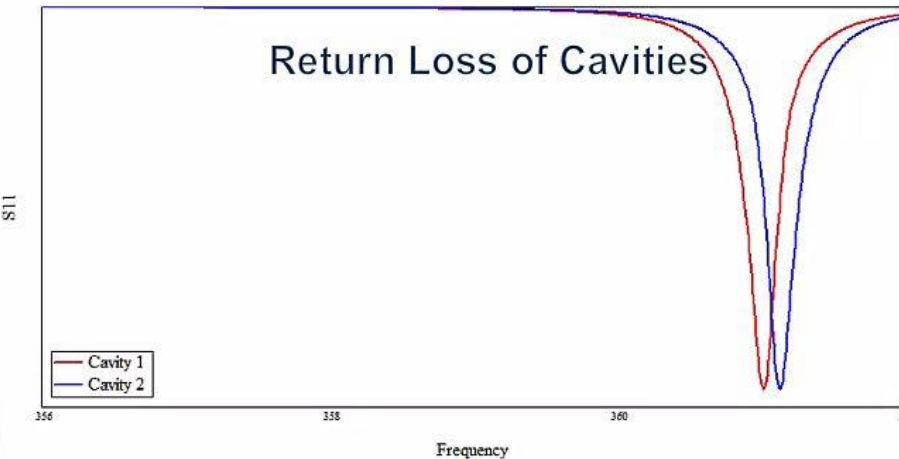
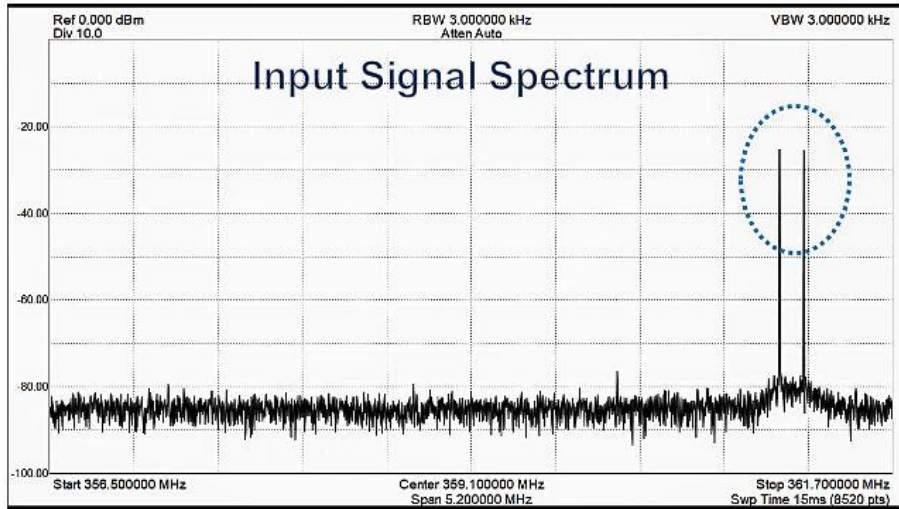
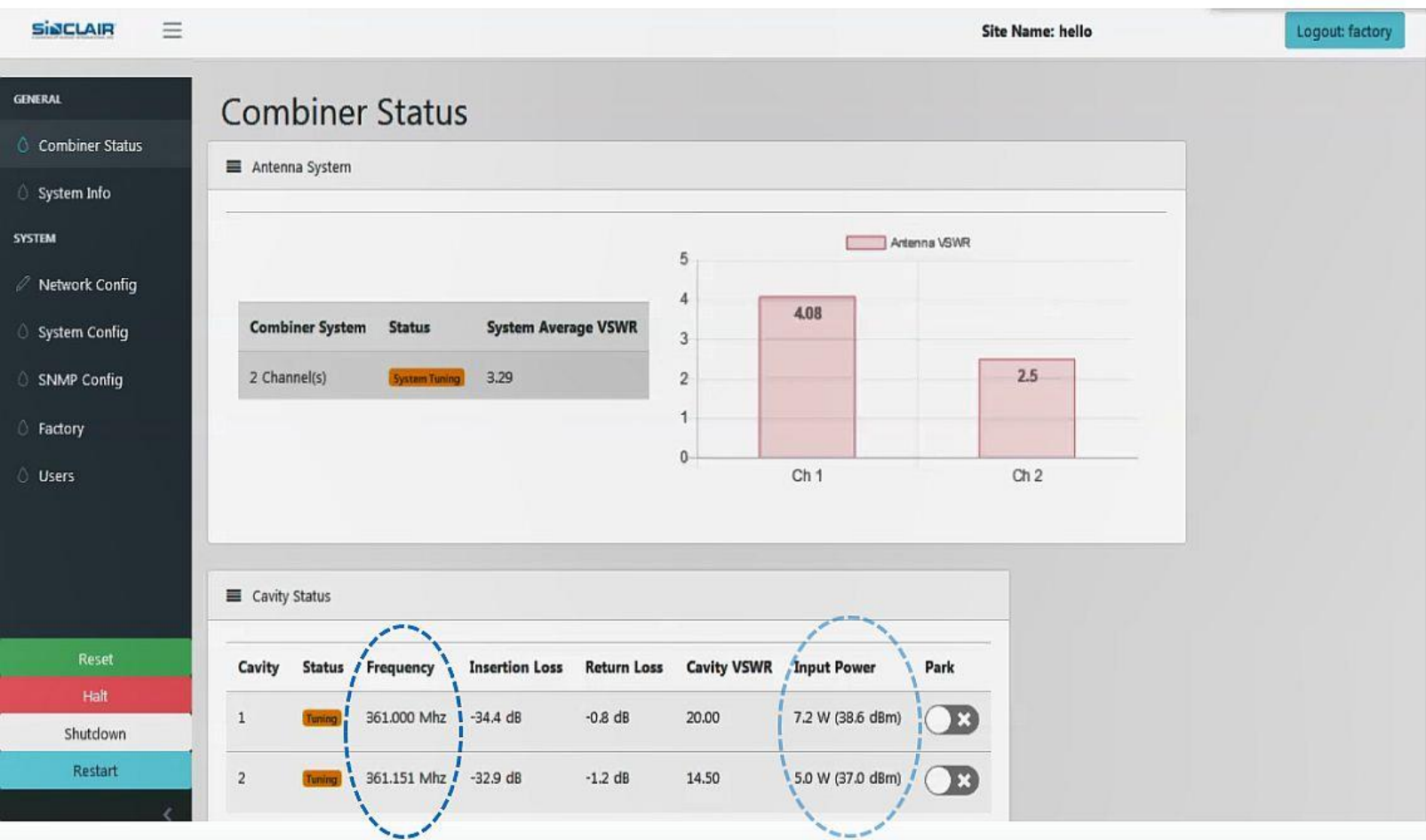
Automatically Tracks Transmit Frequencies



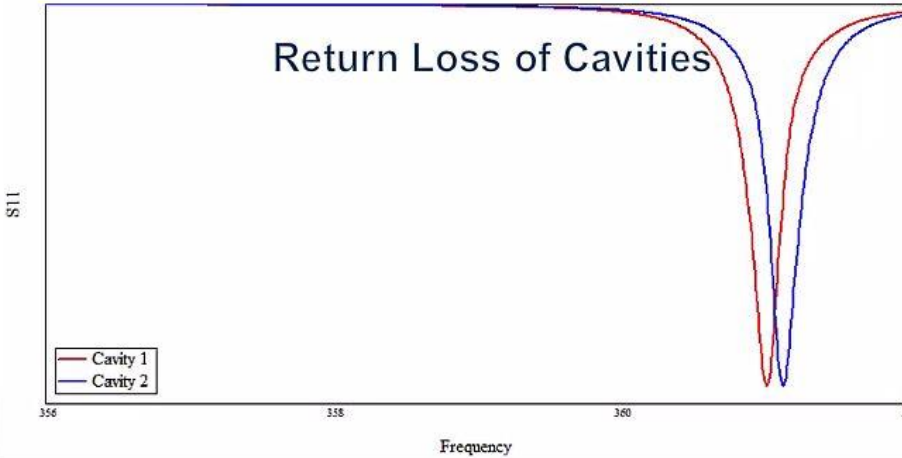
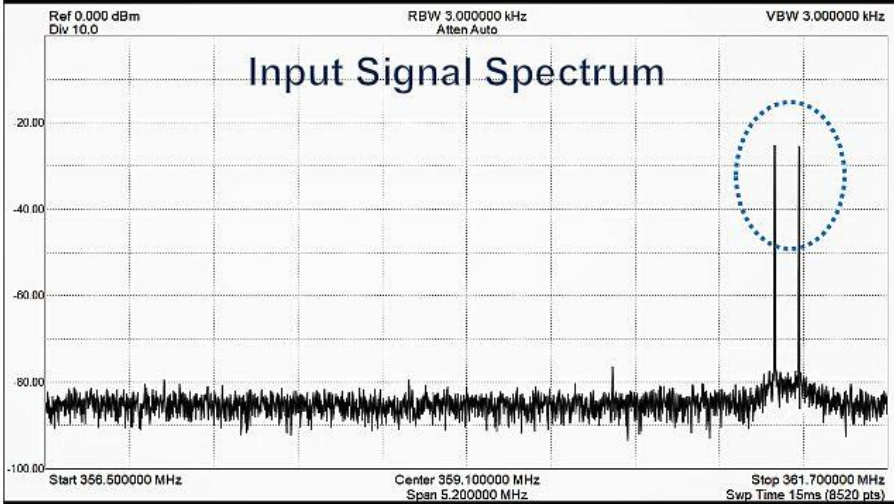
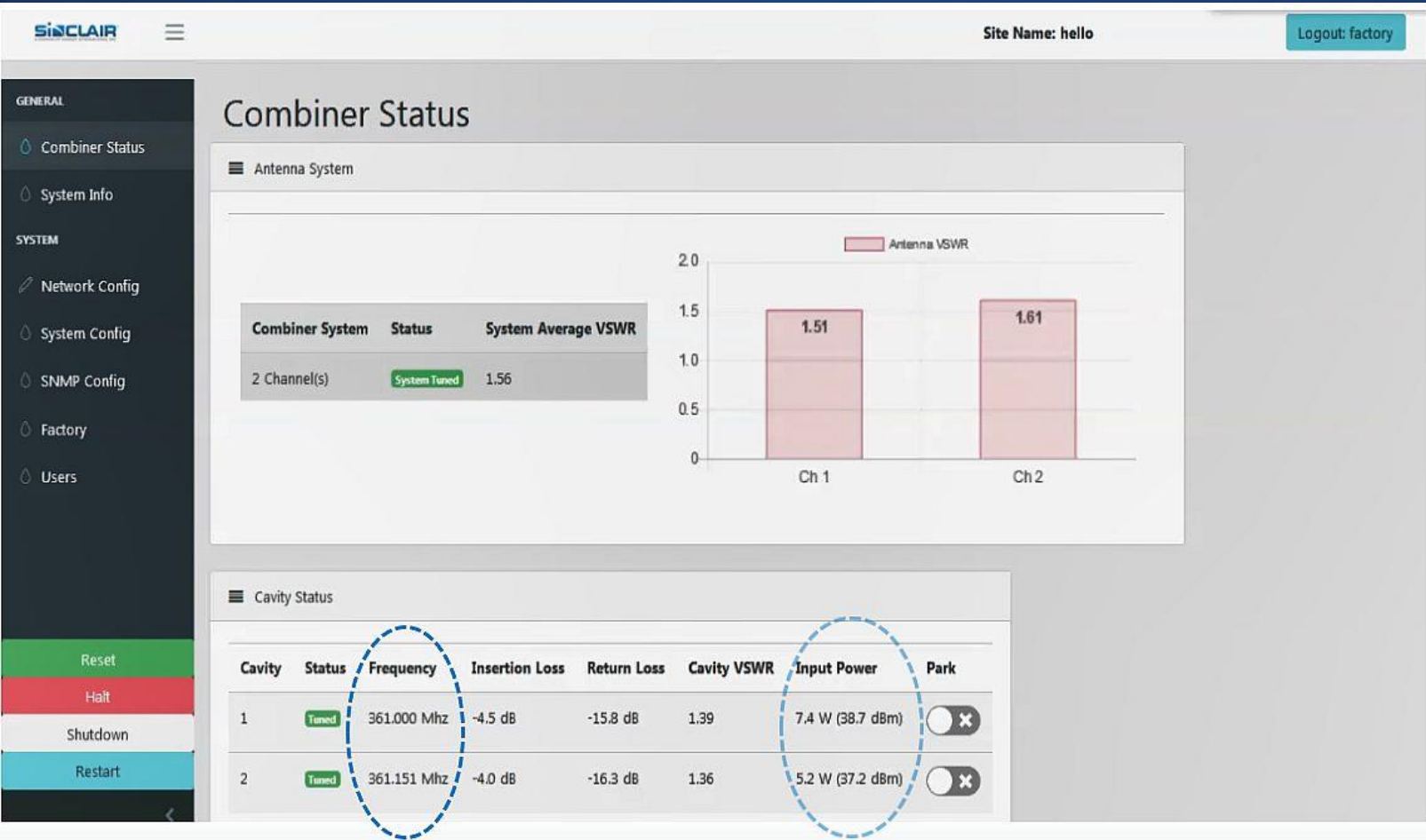
Automatically Tracks Transmit Frequencies



Automatically Tracks Transmit Frequencies



Automatically Tracks Transmit Frequencies



Monitor and Control

☰ Cavity Status

Cavity	Status	Frequency	Return Loss	Cavity VSWR	Input Power	Park
1	Tuned	350.002 Mhz	-25.0 dB	1.12	1.0 W (30.0 dBm)	☐ ✕
2	Tuned	350.202 Mhz	-25.0 dB	1.12	1.1 W (30.3 dBm)	☐ ✕

☰ Antenna System

Combiner System

Status

System Average VSWR

2 Channel(s)

Running

1.22

Antenna VSWR

Channel	VSWR
Ch 1	1.24
Ch 2	1.19

- System Config
- SNMP Config
- Factory
- Users

- Reset
- Halt
- Shutdown
- Restart

Home / System Config

Site Name: - Logout: factory

System Configuration

Cavity Alarm Configuration

Cavity	VSWR Alarm Threshold	Enable/Disable SNMP Trap	Forward Power Alarm Threshold Min (dBm)	Enable/Disable SNMP Trap	Forward Power Alarm Threshold Max (dBm)	Enable/Disable SNMP Trap
1	2.00	☒	0.0	☐	50.0	☐
2	2.00	☒	0.0	☐	50.0	☐

Submit

Additional Alarm Settings

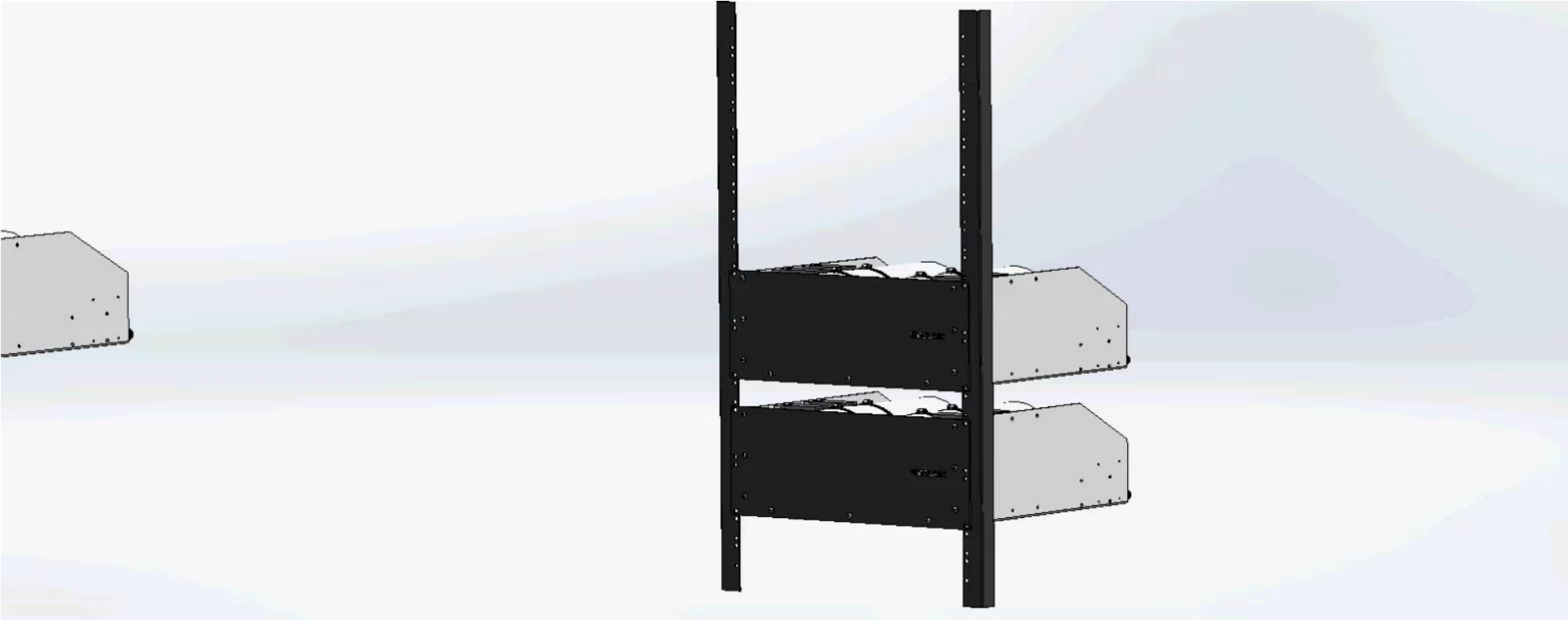
1	Temperature Alarm In degrees Celsius	-20.0	70.0
2	Bus Voltage In volts DC	10	15
3	Halt on Alarm Enable Stop control on Alarm	☐	
4	SNMP Enabled	☐	

Submit

Cavity Enable

Cavity	Enable
--------	--------

Auto-Tune Combiner

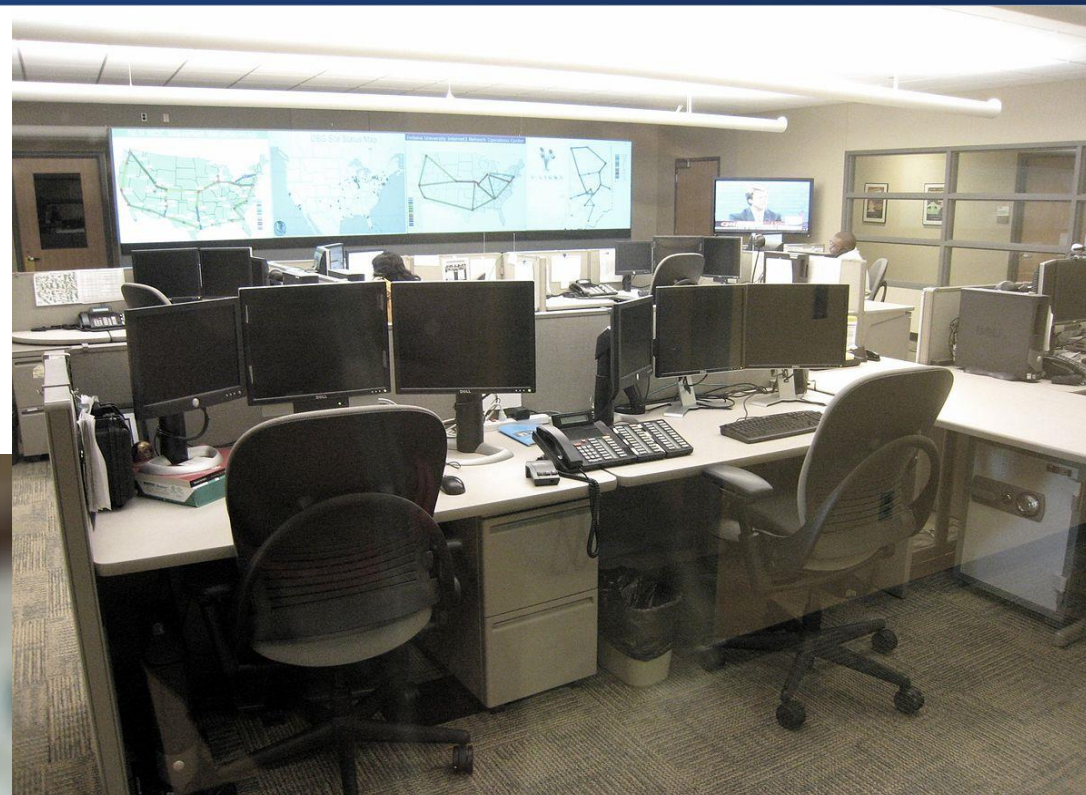
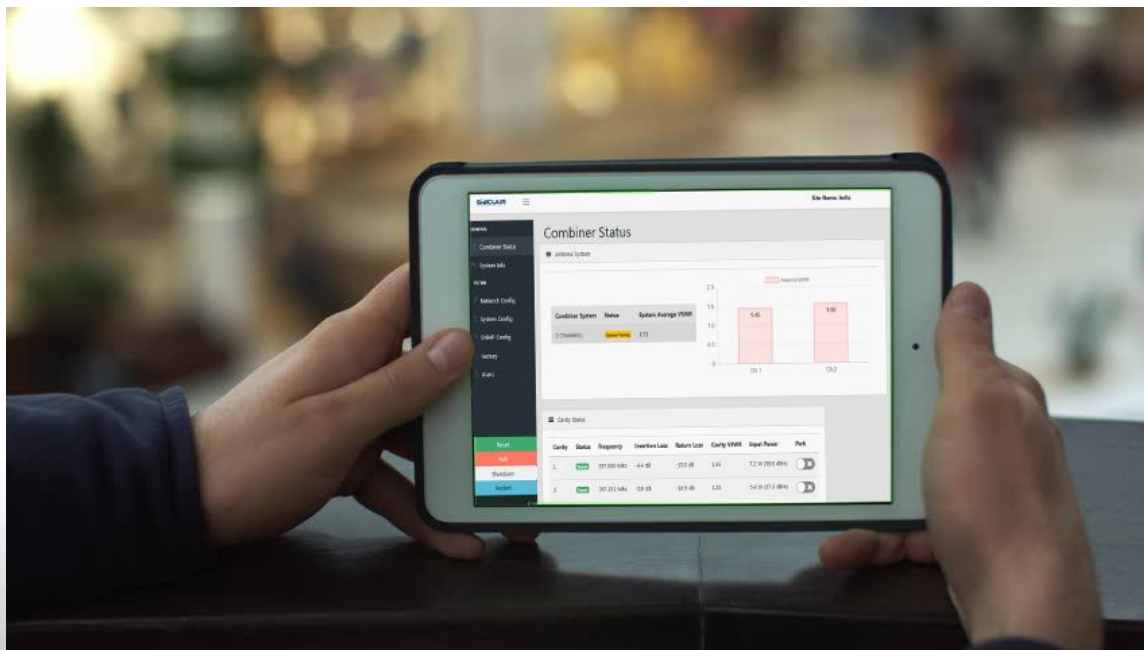


**UP TO 8 CHANNELS CAN BE SUPPORTED BY A SINGLE CONTROLLER
EASY EXPANSION MAKES FOR A FUTURE PROOF COMMUNICATIONS SYSTEM**

Secure Remote Access

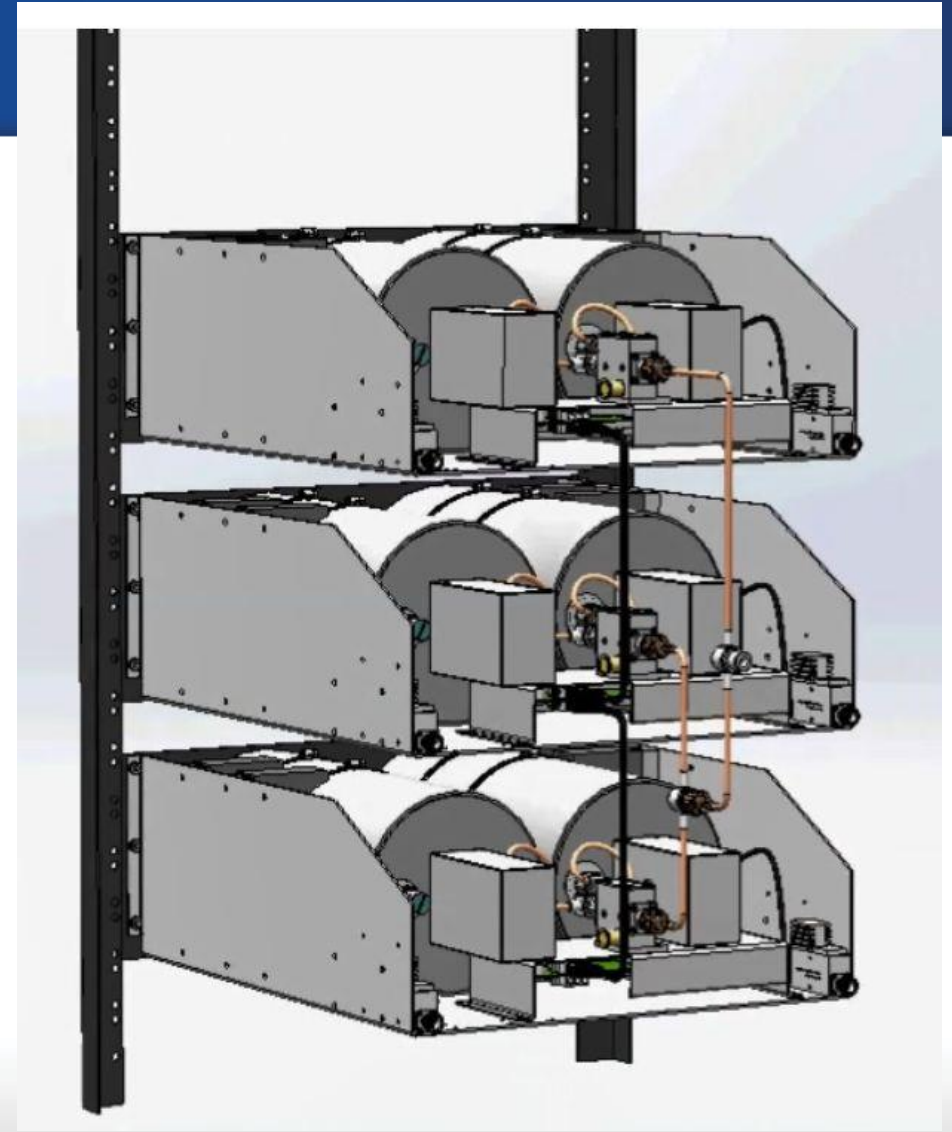
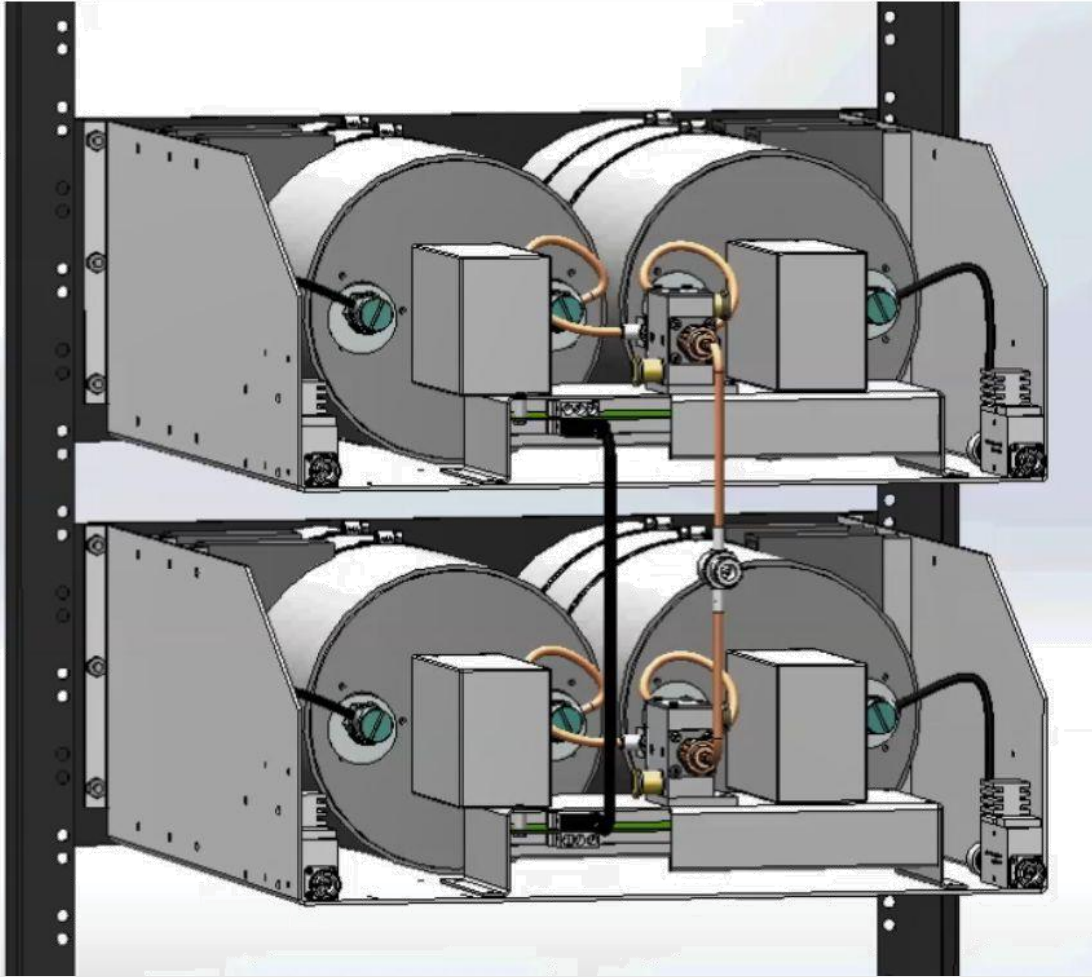
Communication Security

- HTTPS protection
- SNMP Security Compliance

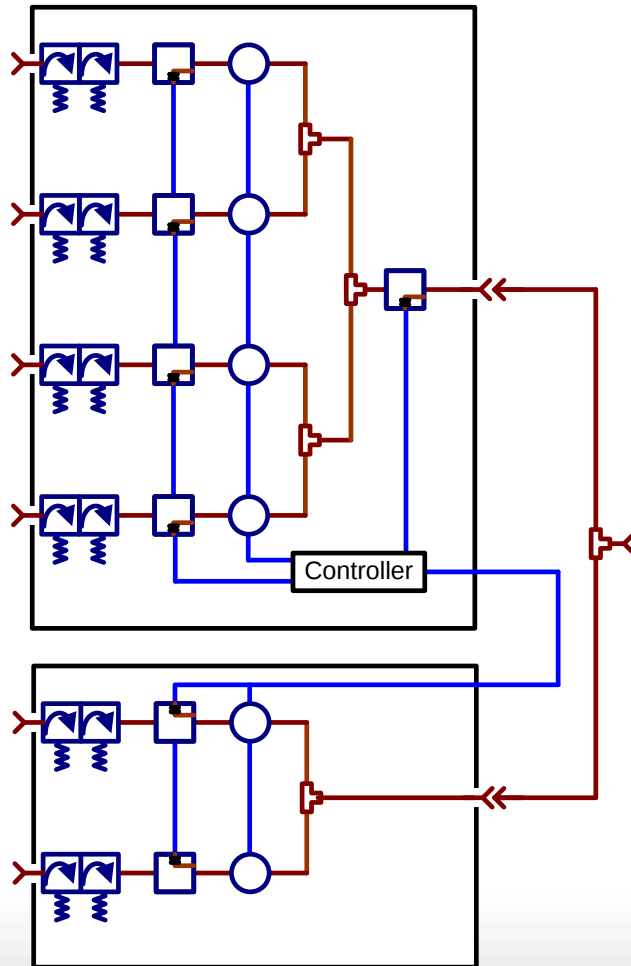


Easy Installation and Expansion

Innovative Communication Solutions



Basic Structure



TJ style cavity ferrite architecture

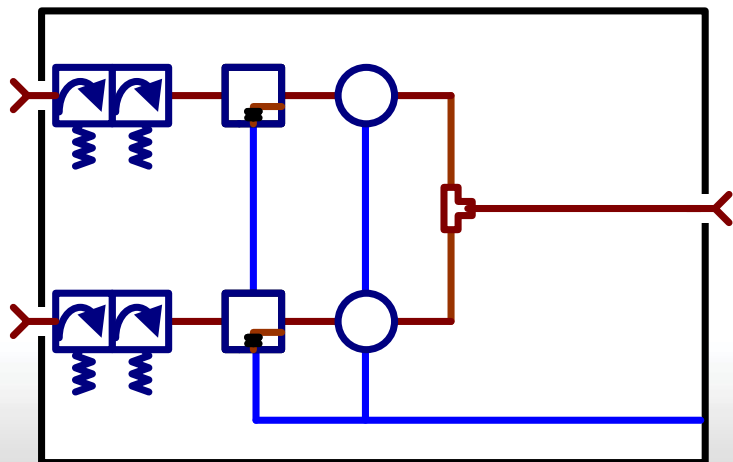
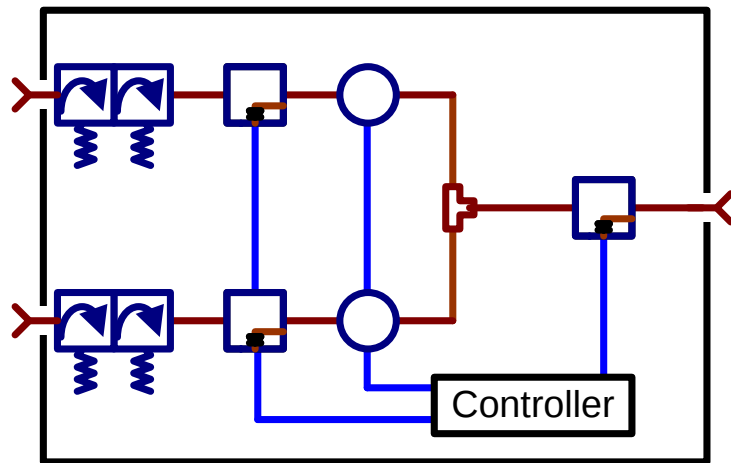
Corporate combining structure

Expandable

Customizable

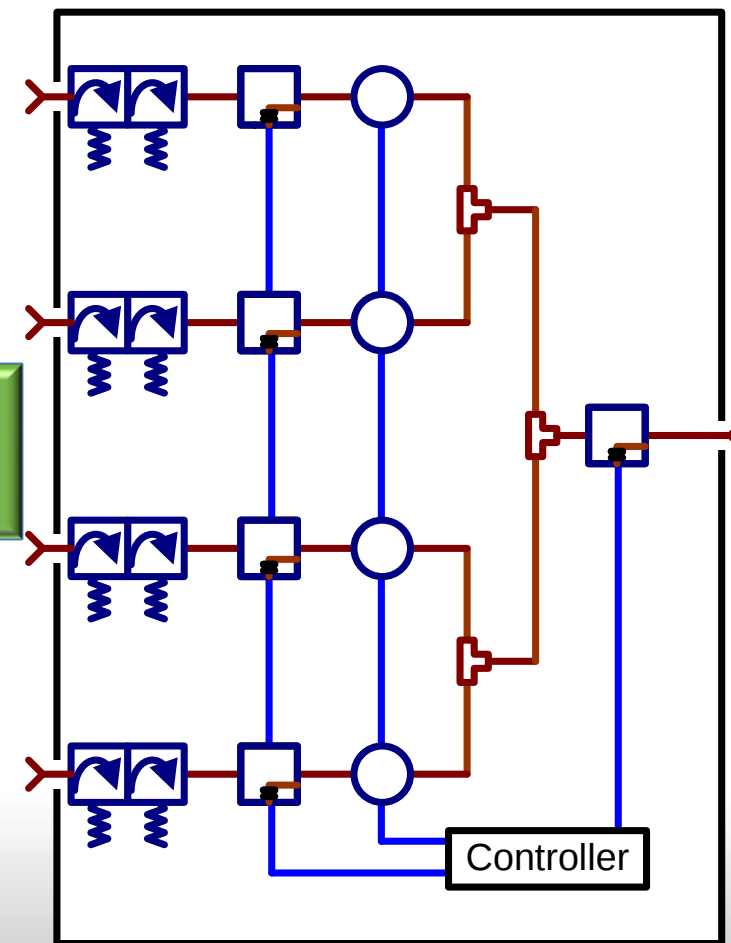
Basic Structure

2 Channel
Primary



2 Channel
Expansion

4 Channel
Primary



Available Bands

VHF
TJA221(x)

132-174 MHz

UHF
TJA321(x)-(y)

350-512 MHz

iDEN Public Safety
TJA423(x)-2

851-869 MHz

Frequency

Coming Soon
700 MHz Public Safety
900 MHz Paging

Tuning Range

TJA221(X)

Any 5 MHz range
within 132-174 MHz

TJA3212-(y)

y=1 350-370 MHz

y=2 380-400 MHz

y=3 410-430 MHz

y=4 430-450 MHz

y=5 450-470 MHz

y=6 470-490 MHz

y=7 490-512 MHz

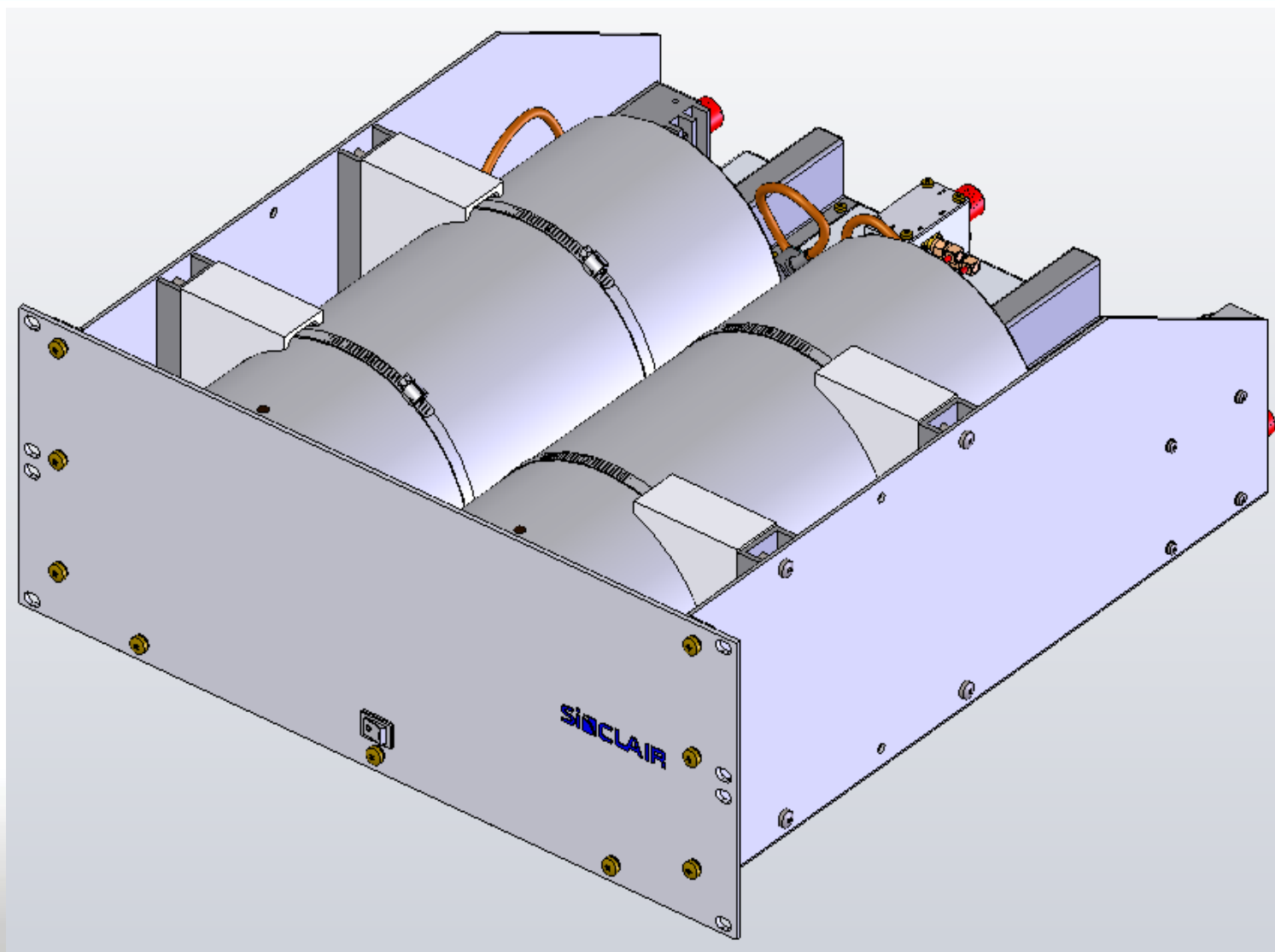
TJA321(x)-(y)

Any 5 MHz range
within the sub-band
given by "y"

TJA423(x)-2

All of 851-869 MHz

IntelliTUNE™ Applications

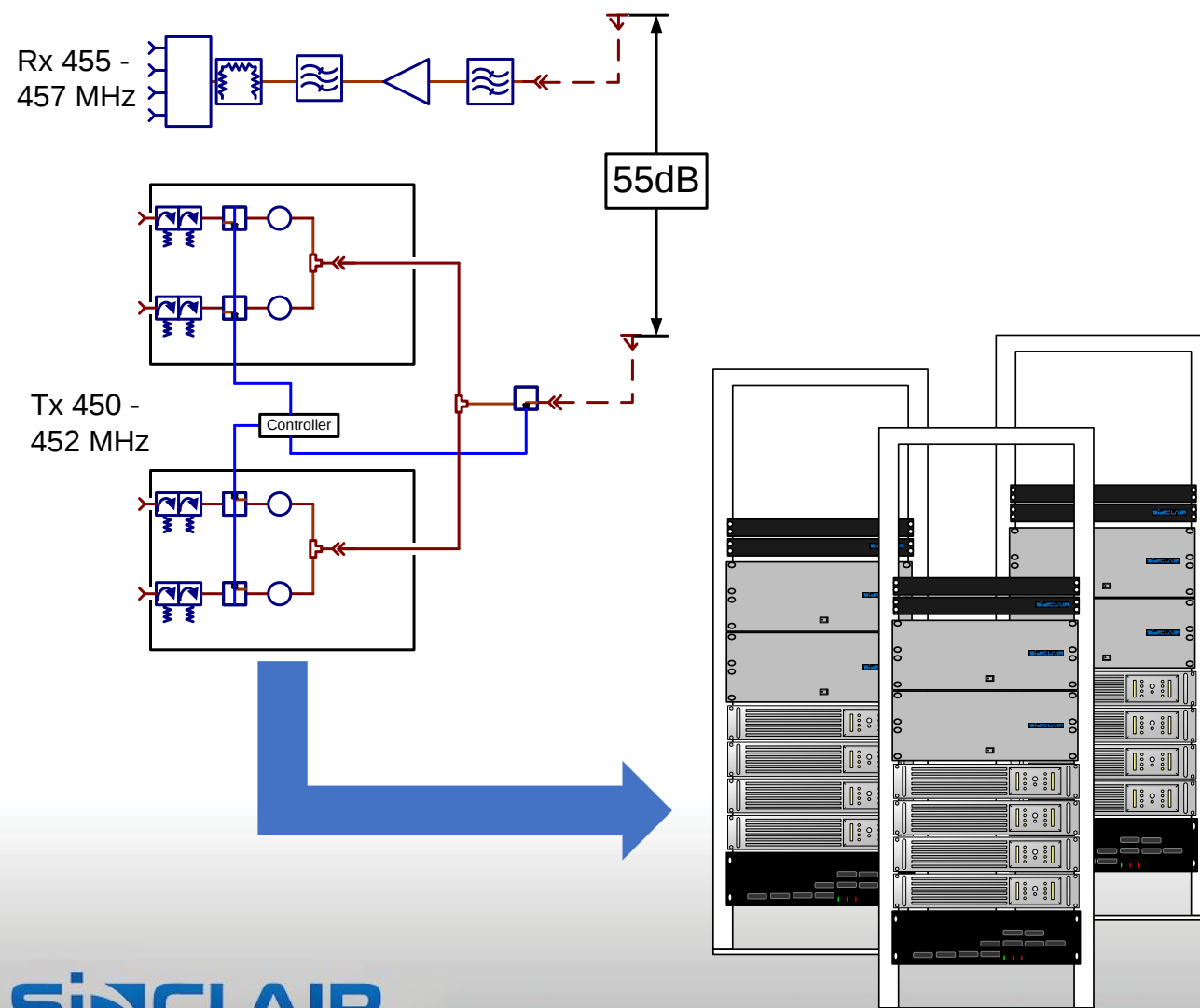




Portable Temporary Radio Site

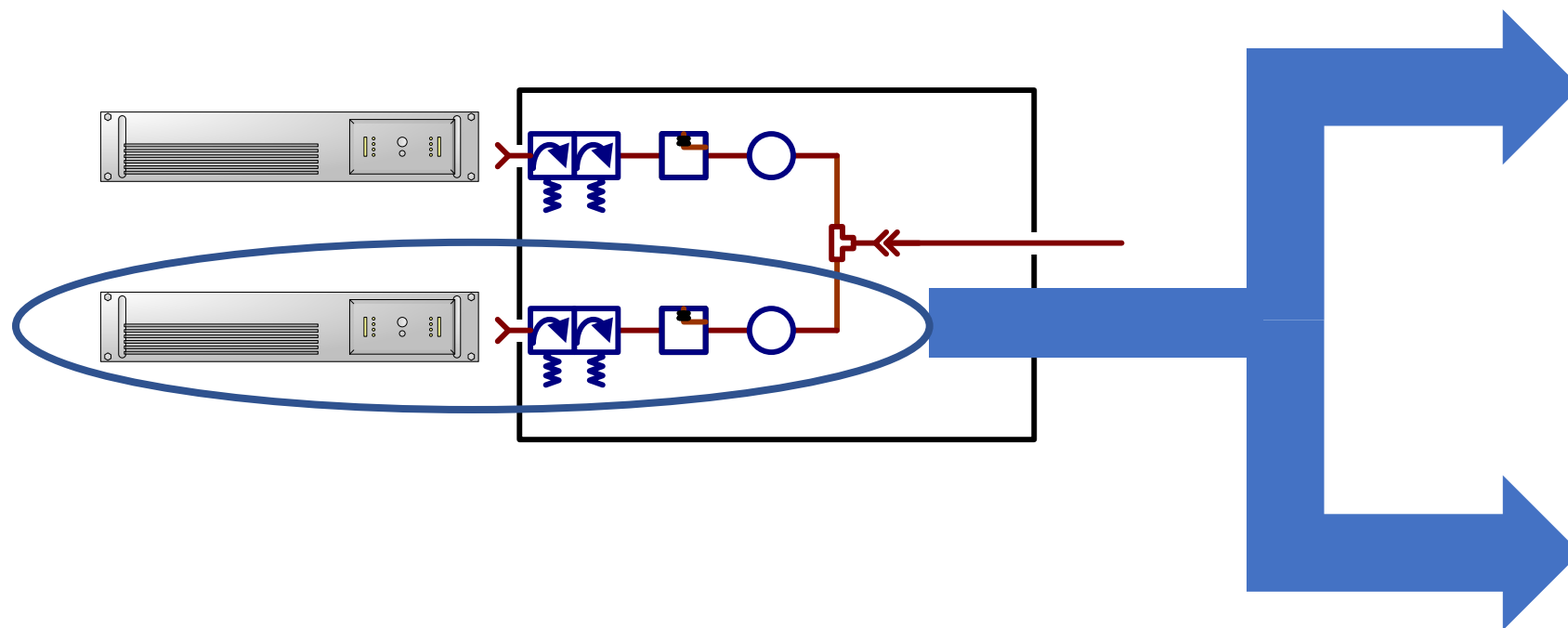


Rapid Deployment

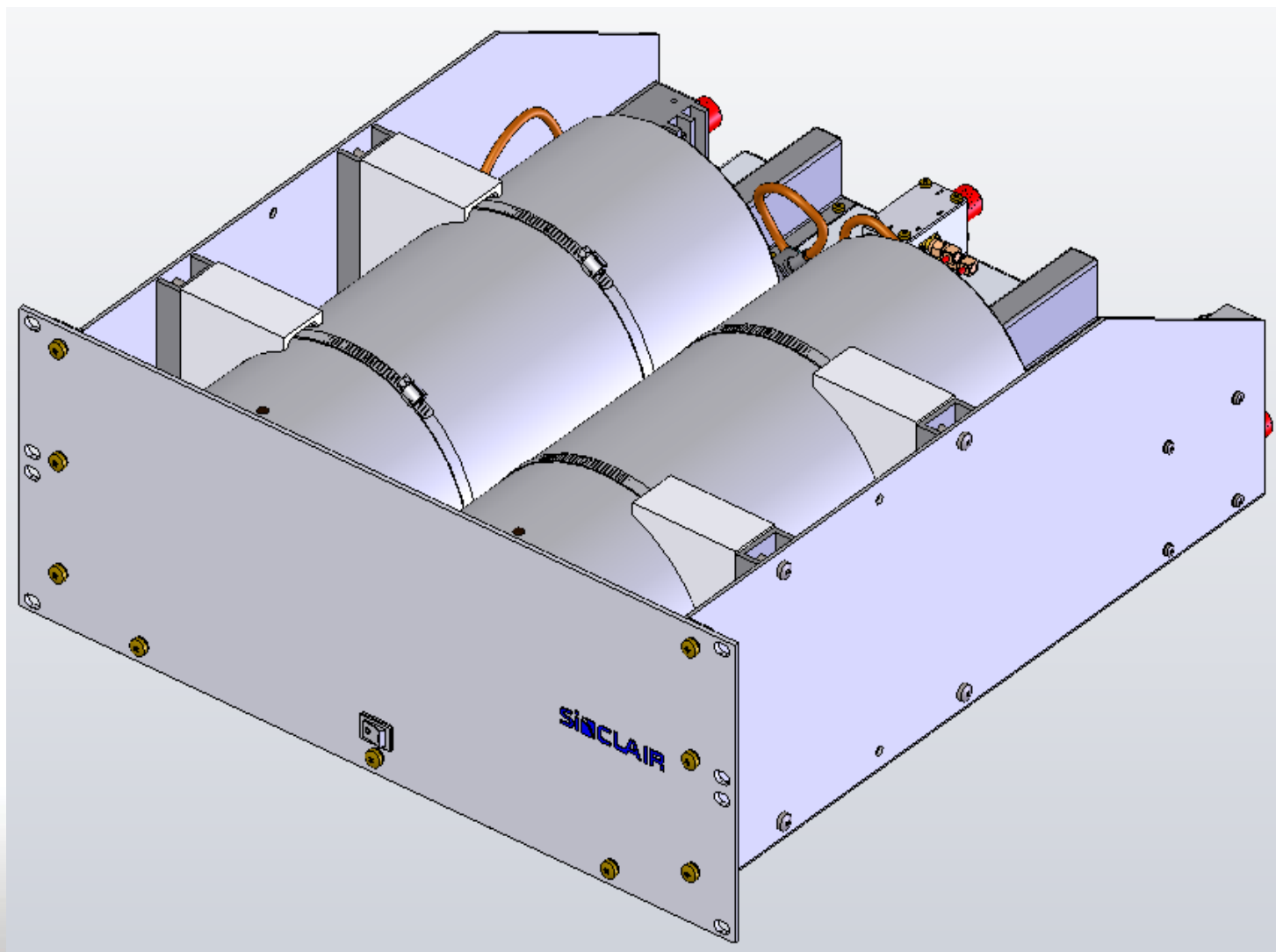


Frequencies

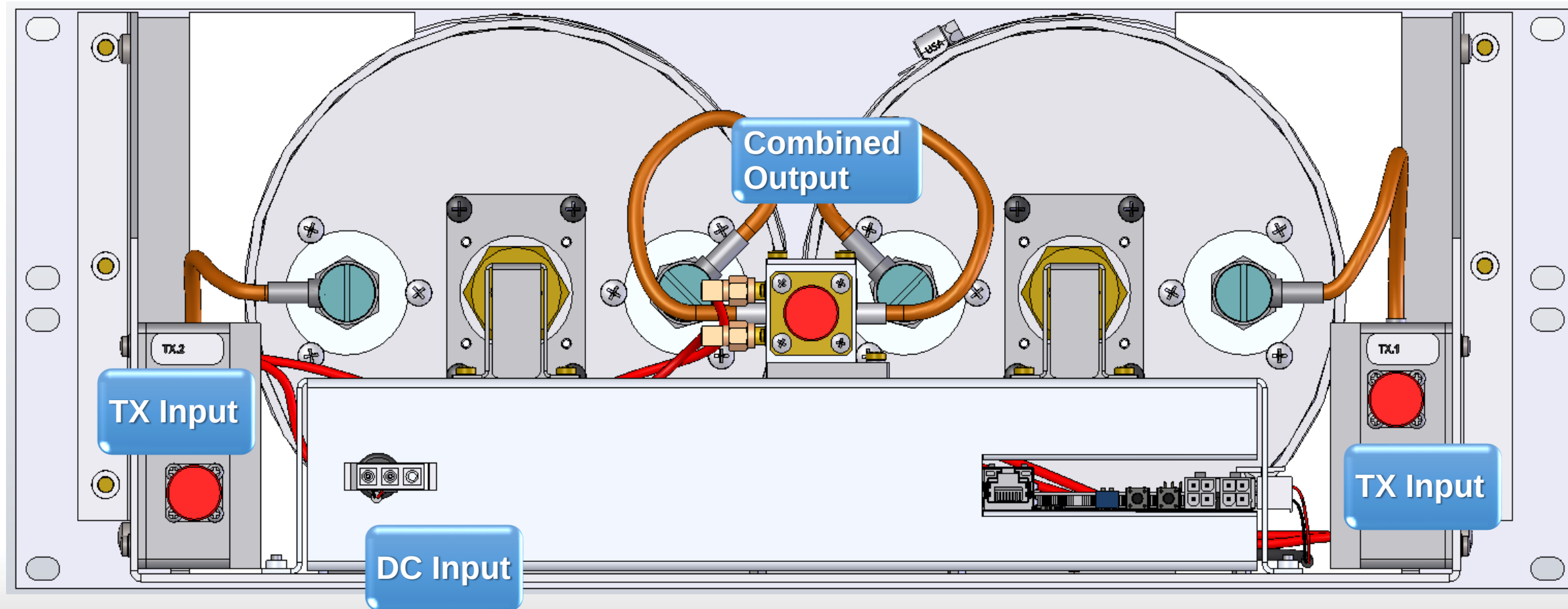
Sharing Infrequently Used Equipment



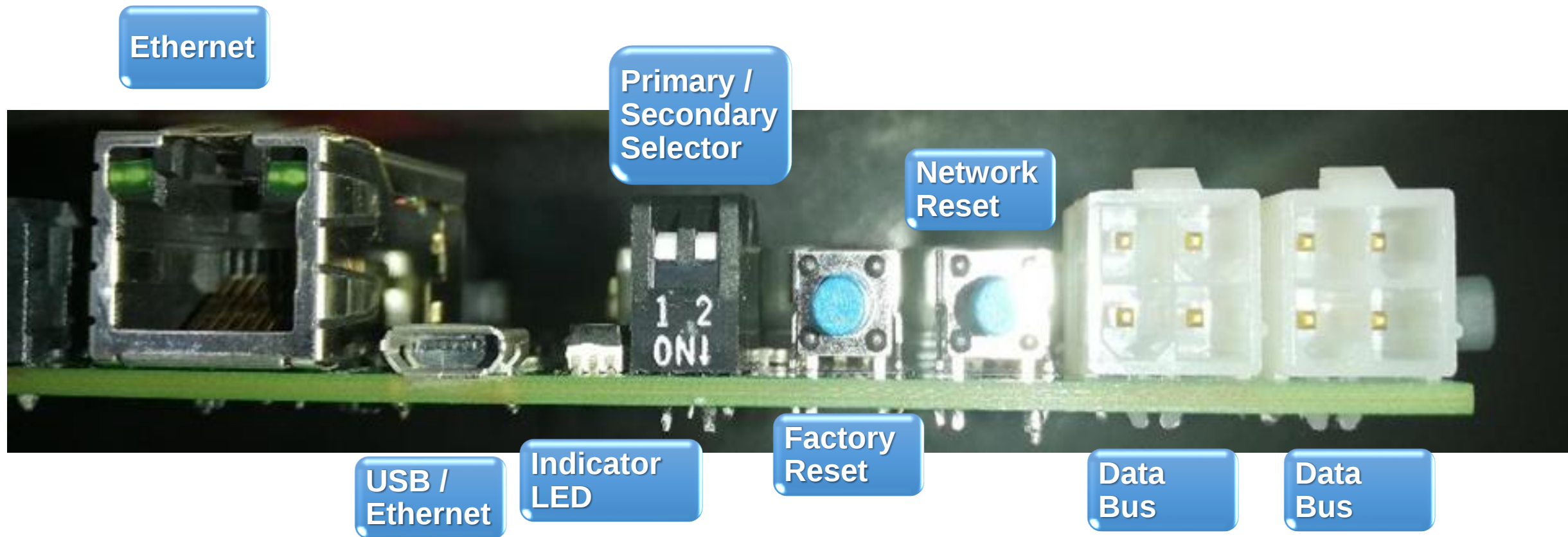
IntelliTUNE™ Installation and Setup



RF and Power Connections



Network Connections and Controls



Thank You for Your Time



QUESTIONS