

Viavi

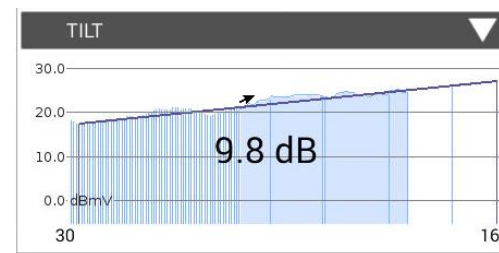
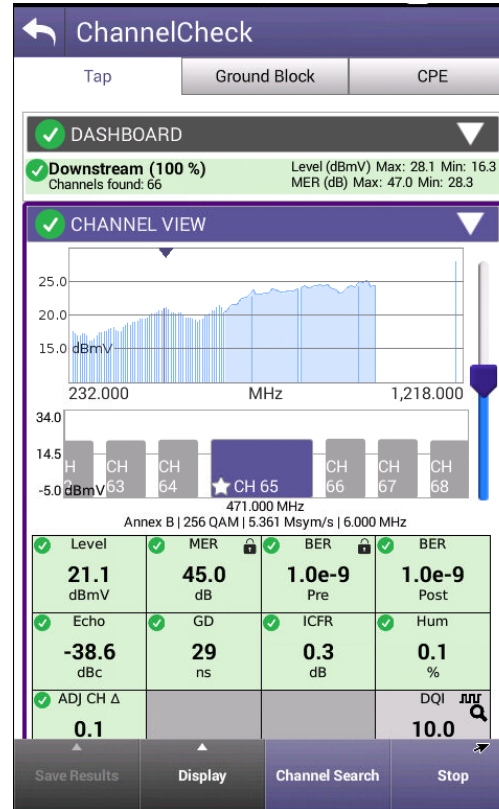
VI.AVI
VIAVI Solutions

High Split

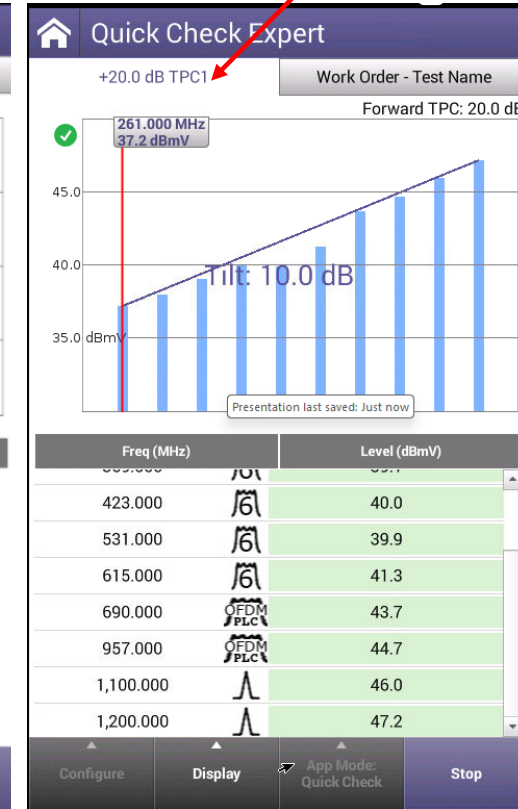
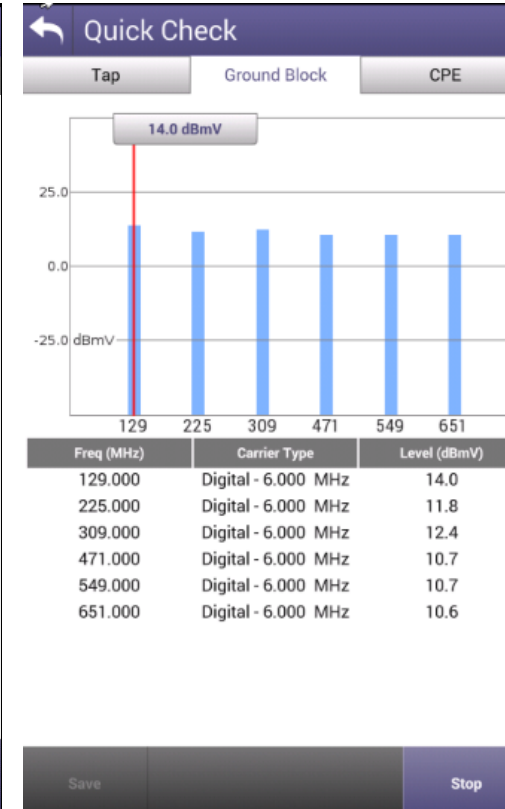
Why
Quick Check
Quick Check Expert
Forward Balance

Why Quick Check or Quick Check Expert

- Channel Check 30 Seconds to see all Carriers and Tilt
- Quick Check provides fast validation of power levels of up to 32 carriers
- Enables technician to Quick Check power levels at outlets, splitter, tap, to see if they are active and at proper power levels
- Quick Check Expert Level and Tilt with TP Compensation on Amplifiers



viavisolutions.com



20 dB Test Point

Build Channel Plan in Channel Check

1. Connect to CATV Plant
2. Press Channel Check



3. Select Job ID then Start
4. Wait until 100% then press Back Arrow
5. Press Save Channel Plan
6. Press OK

ChannelCheck Setup

Select a test location

TapGround BlockCPE

Connect Port 1 to the Tap

Job ID

indy

ConfigureView ResultsSave Channel PlanStart

ChannelCheck

TapGround BlockCPE

Downstream (100 %)Channels found: 87

Level (dBmV) Max: 11.5 Min: 1.2MER (dB) Max: 48.4 Min: 31.9

10.05.00.0dBmV95.0001,002.000MHz

PLC 957.000 MHz | 3800 carriers | 50 kHz | CP 2.5 | RP 0.625

PLC Level11.5 dBmVPLC MER45.7 dBPLC CWE Corr0.0PLC CWE Uncorr0.0

NCP CWE Corr0.0NCP CWE Uncorr0.0A CWE Corr0.0A CWE Uncorr0.0

Level (Avg)11.0Level (Max)11.5Level (Min)10.1ICFR1.2

Save ResultsDisplayChannel SearchStop

ChannelCheck Setup

Select a test location

TapGround BlockCPE

Connect Port 1 to the Tap

Job ID

indy

ConfigureView ResultsSave Channel PlanStart

ChannelCheck Setup

Select a test location

TapGround BlockCPE

Save Channel Plan

Channel plan saved in channelplan folder

OK

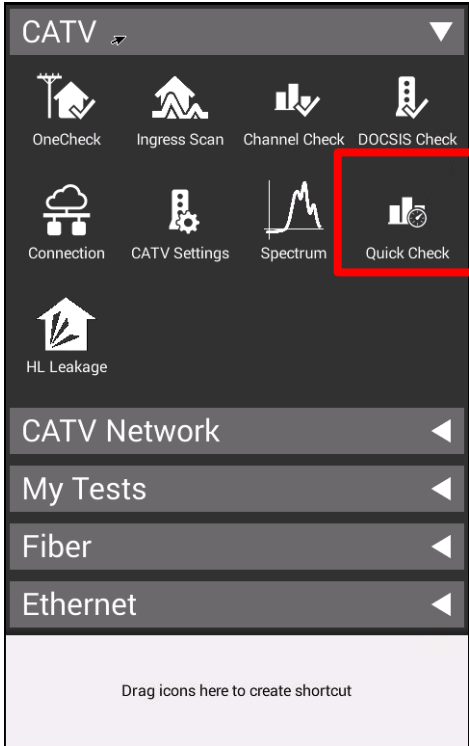
Job ID

indy

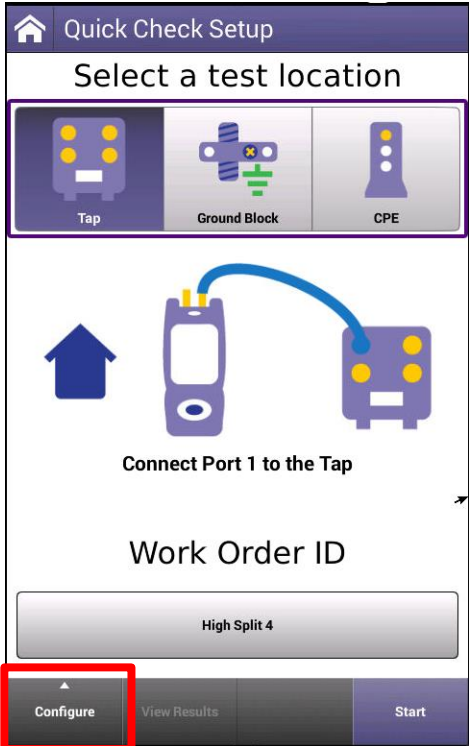
ConfigureView ResultsSave Channel PlanStart

Quick Check

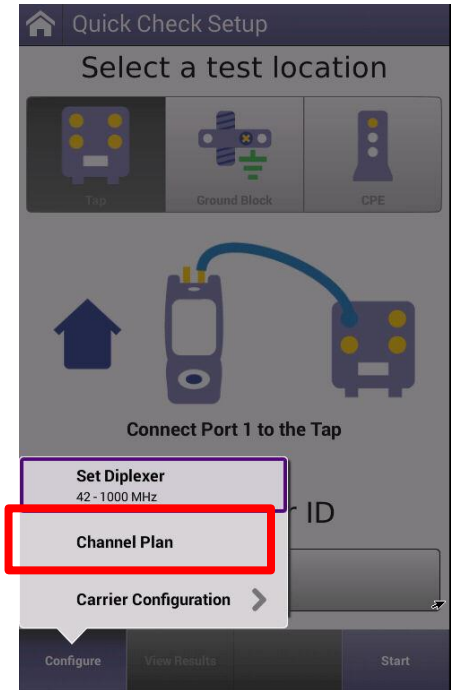
1. Press Quick Check



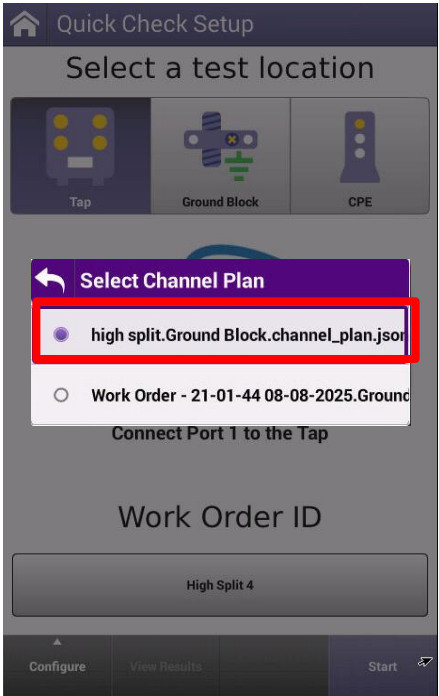
2. Press Configure



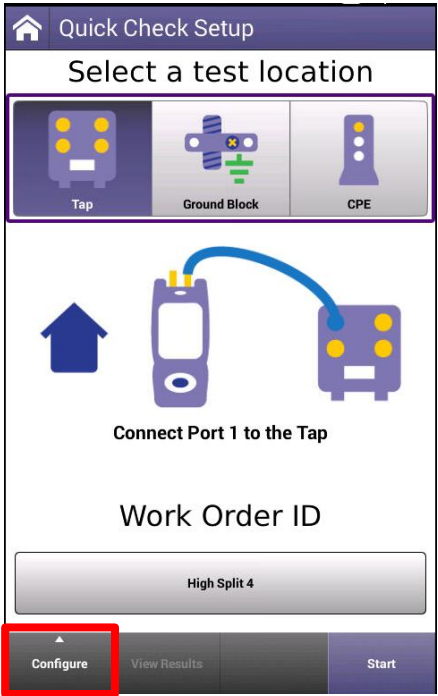
3. Select Channel Plan



4. Select the correct channel Plan

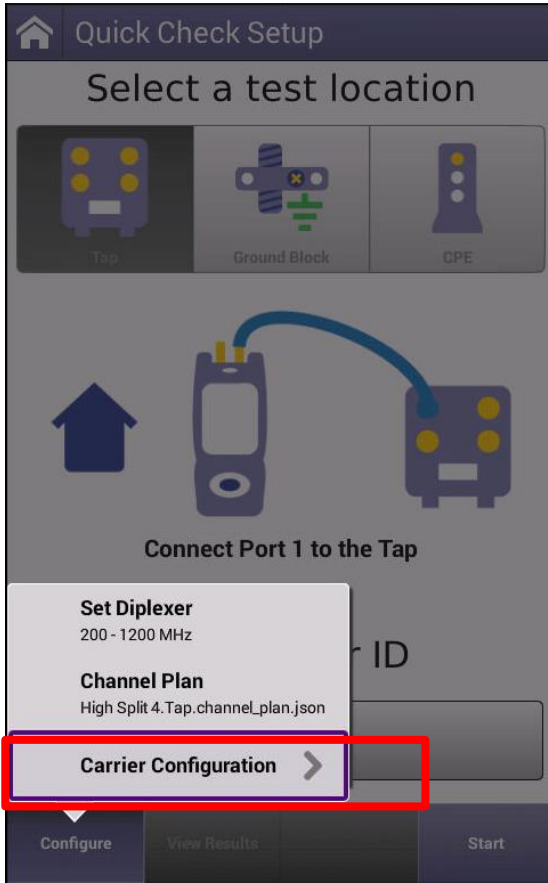


5. Press configure Again



Carrier Configuration

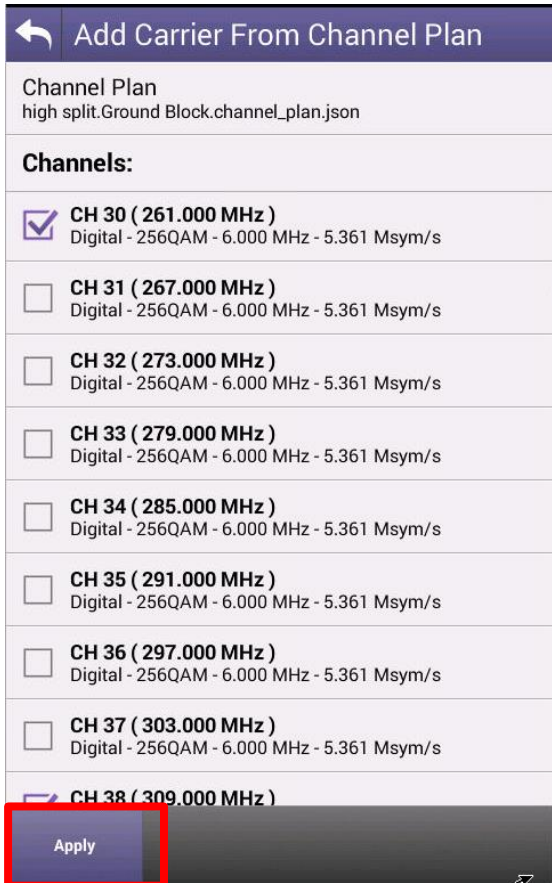
1. Press
Carrier
Configuration



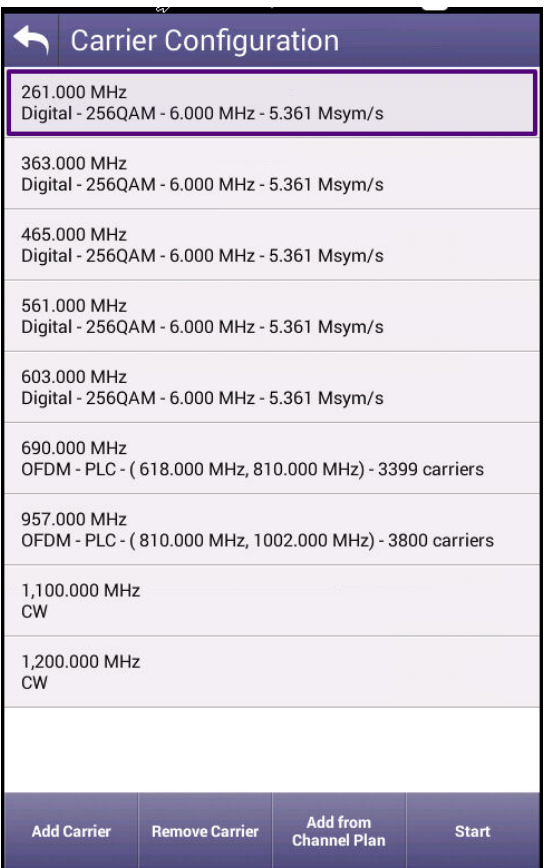
2. Add From
Channel Plan



3. Select at least
2 Channels then
Apply



4. I have
selected 9
Frequencies



Carrier Configuration Result

Carrier Configuration

261.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

363.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

465.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

561.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

603.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

690.000 MHz
OFDM - PLC - (618.000 MHz, 810.000 MHz) - 3399 carriers

957.000 MHz
OFDM - PLC - (810.000 MHz, 1002.000 MHz) - 3800 carriers

1,100.000 MHz
CW

1,200.000 MHz
CW

Add Carrier

Remove Carrier

Add from Channel Plan

Start

Quick Check

Tap

Ground Block

CPE

261.000 MHz
26.4 dBmV

25.0

20.0

15.0 dBmV

Tilt: 1.4 dB

Freq (MHz)		Level (dBmV)
261.000		26.4
363.000		26.5
465.000		27.1
561.000		24.8
603.000		25.8
690.000		27.2
957.000		25.5

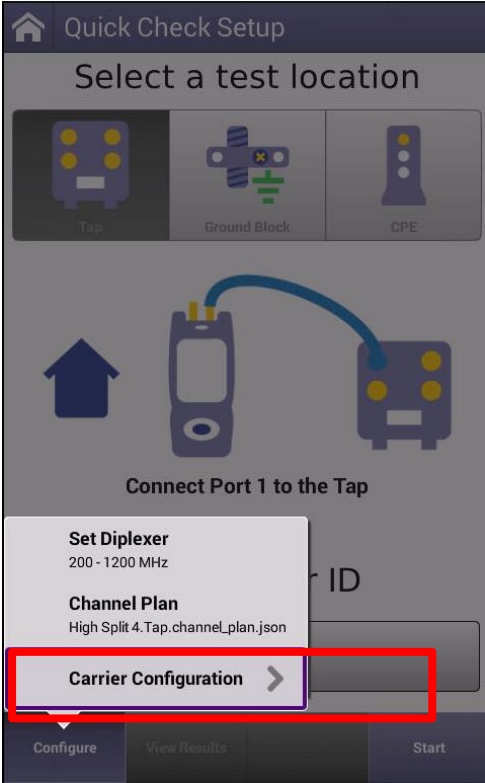
Save

Display

Stop

Manually Add a Carrier to Quick Check

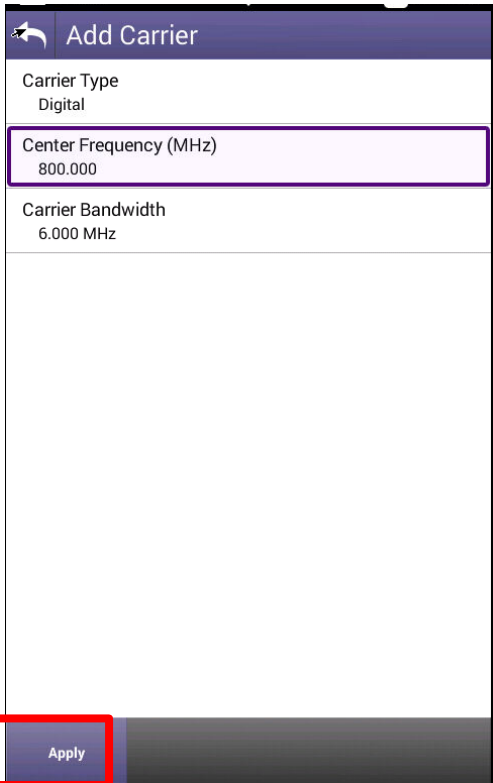
1. Press Carrier Configuration



2. Add Single Carrier



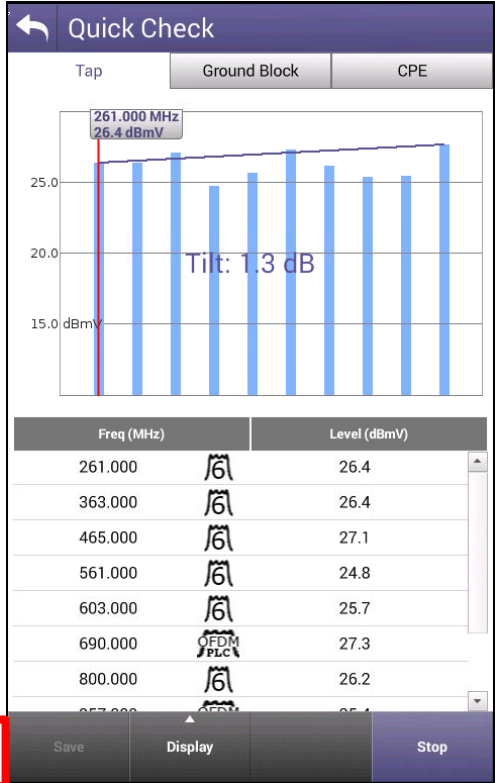
3. Select Type Frequency and Band width



4. Start

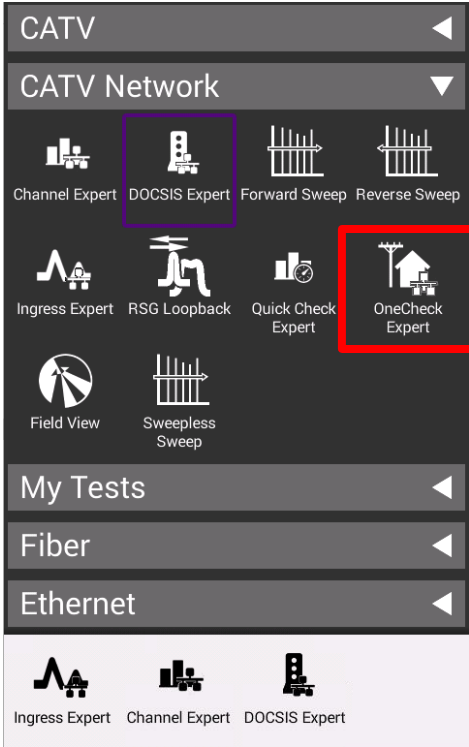


5. Shows tilt

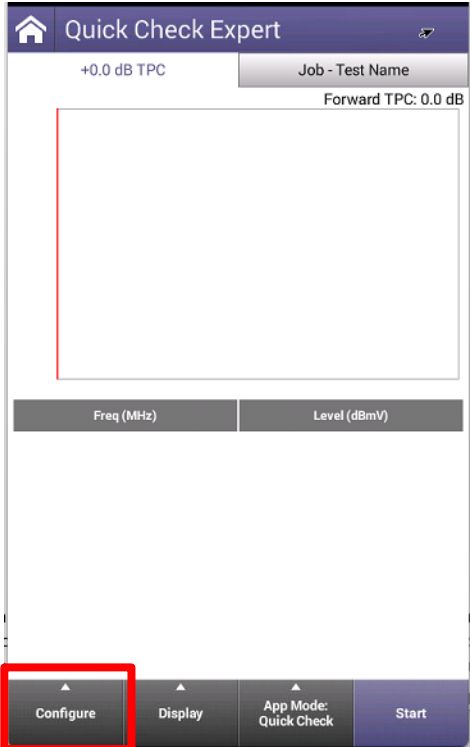


Quick Check Expert

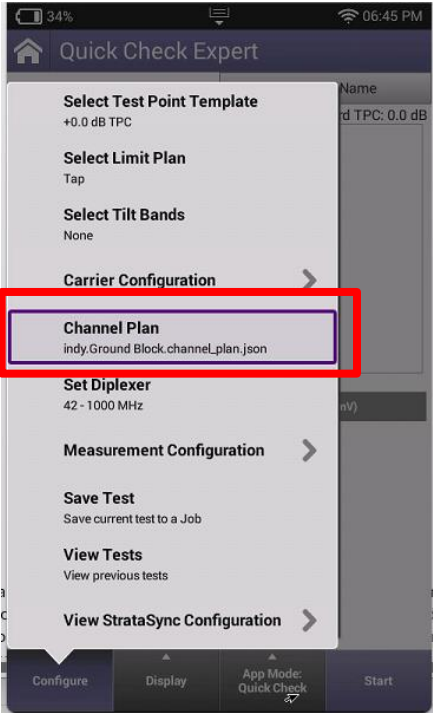
1. Press Quick Check Expert



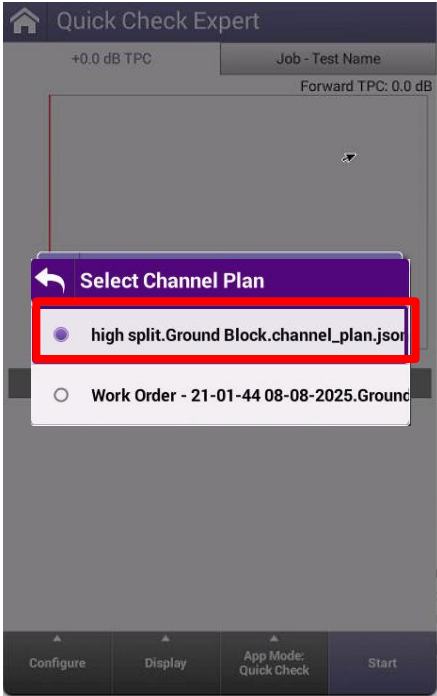
2. Press Configure



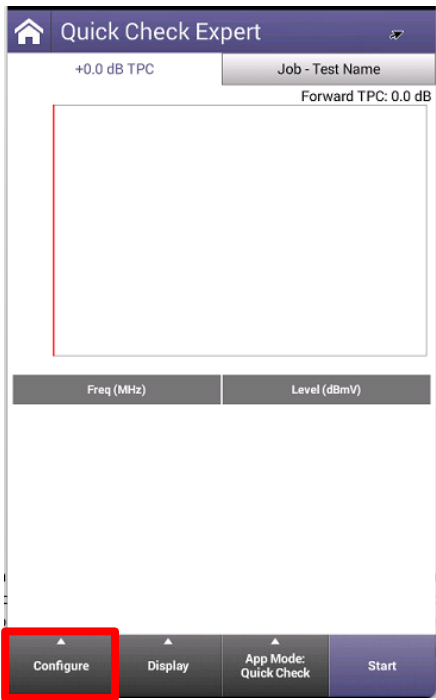
3. Select Channel Plan



4. Select the correct channel Plan

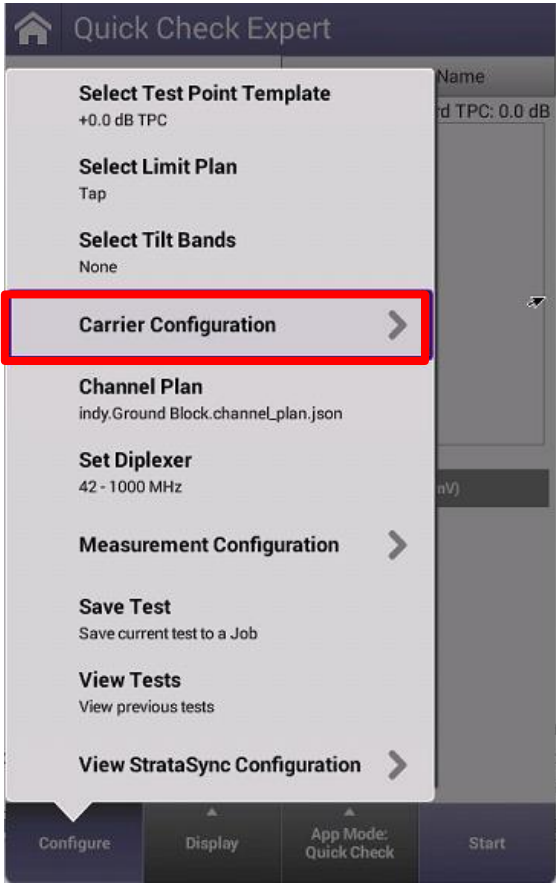


5. Press configure Again

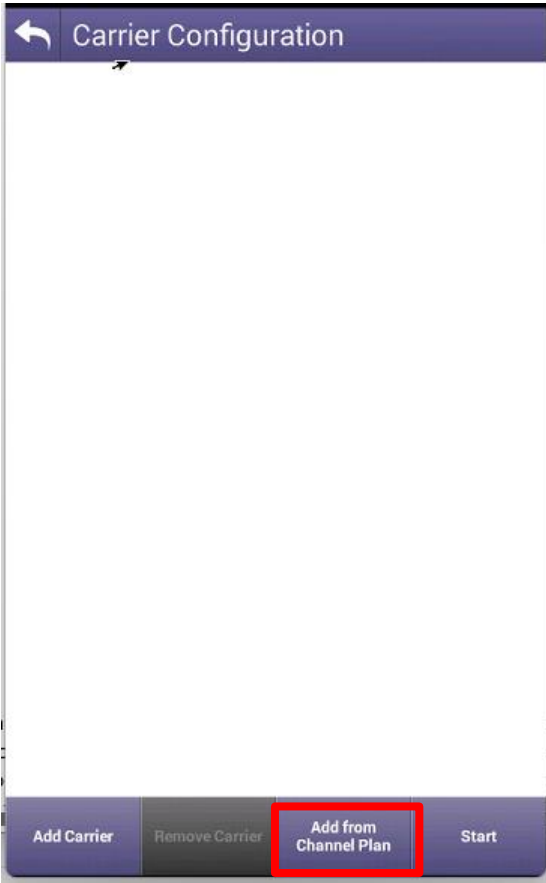


Quick Check Expert Carrier Configuration

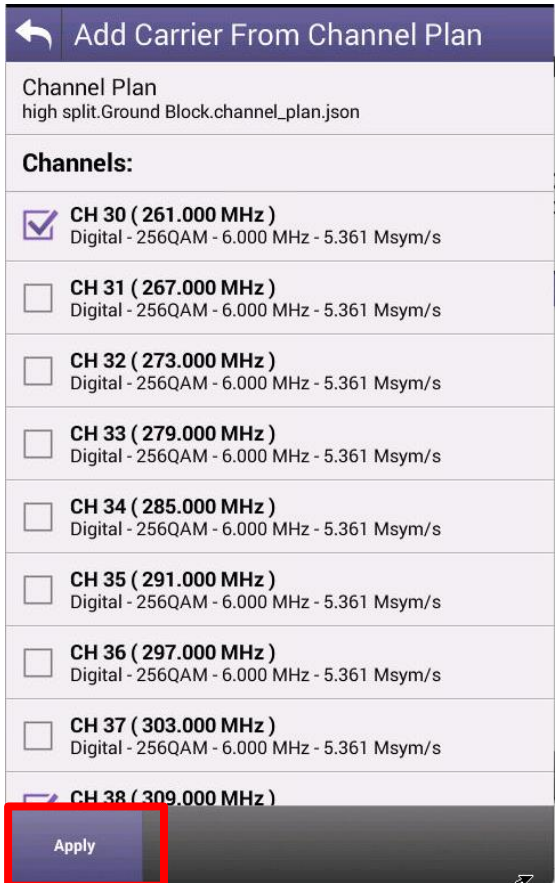
1. Press
Carrier
Configuration



2. Add From
Channel Plan



3. Select at least
2 Channels then
Apply



4. I have
selected 2 Tilt
Frequencies



Carrier Configuration Result

Carrier Configuration

261.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

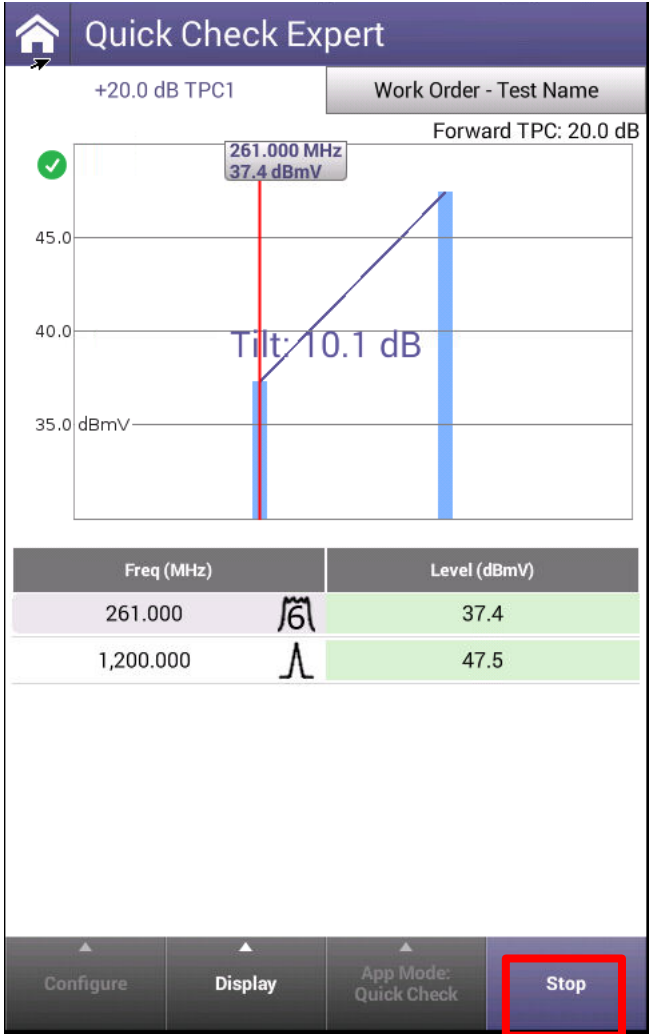
1,200.000 MHz
CW

Add Carrier

Remove Carrier

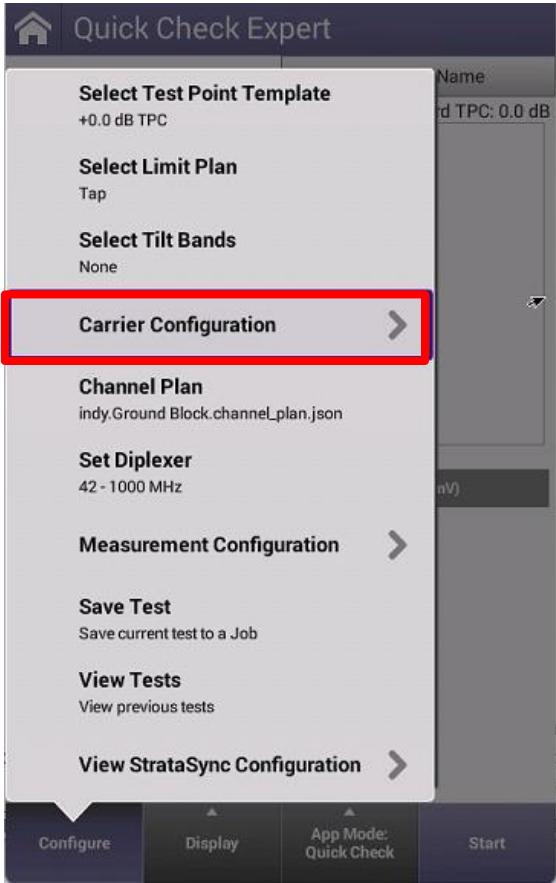
Add from Channel Plan

Start

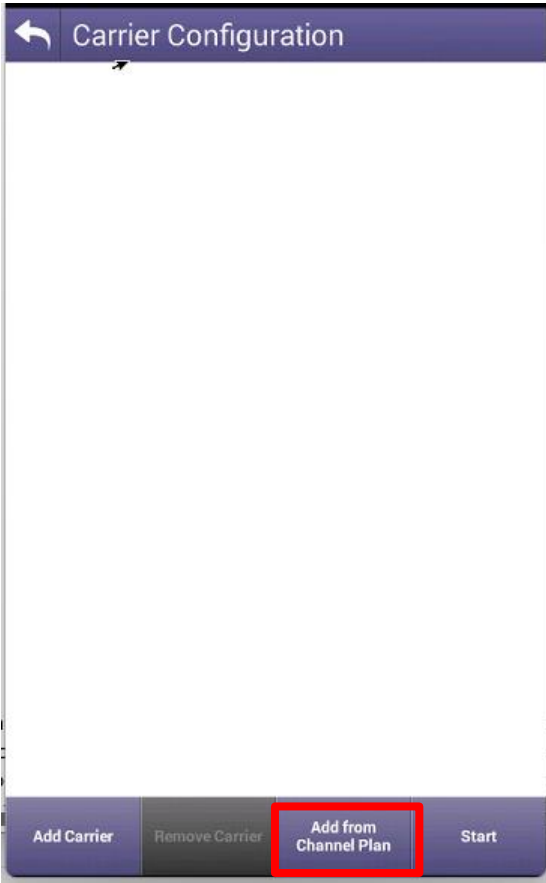


Carrier Configuration

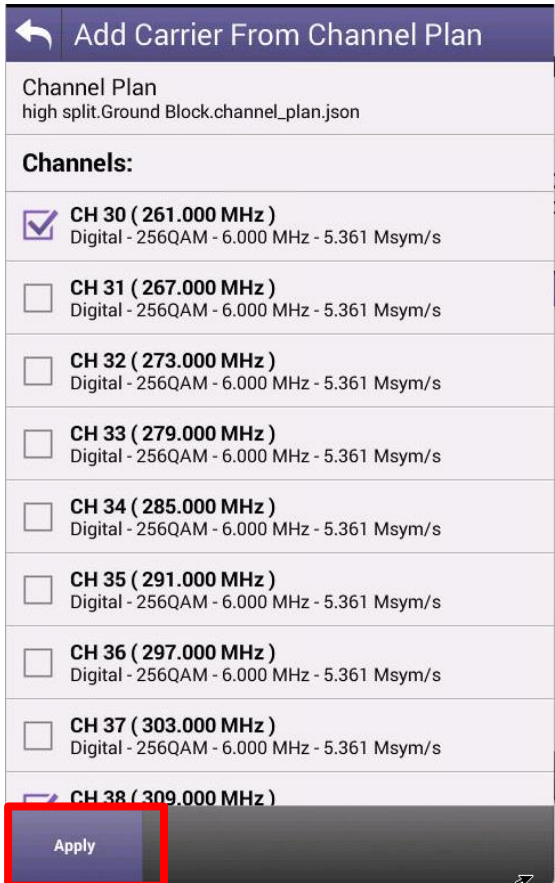
1. Press
Carrier
Configuration



2. Add From
Channel Plan



3. Select at least
2 Channels then
Apply



4. I have
selected 10
Frequencies



Carrier Configuration Result

Carrier Configuration

261.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

309.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

369.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

423.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

531.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

615.000 MHz
Digital - 256QAM - 6.000 MHz - 5.361 Msym/s

690.000 MHz
OFDM - PLC - (618.000 MHz, 810.000 MHz) - 3399 carriers

957.000 MHz
OFDM - PLC - (810.000 MHz, 1002.000 MHz) - 3800 carriers

1,100.000 MHz
CW

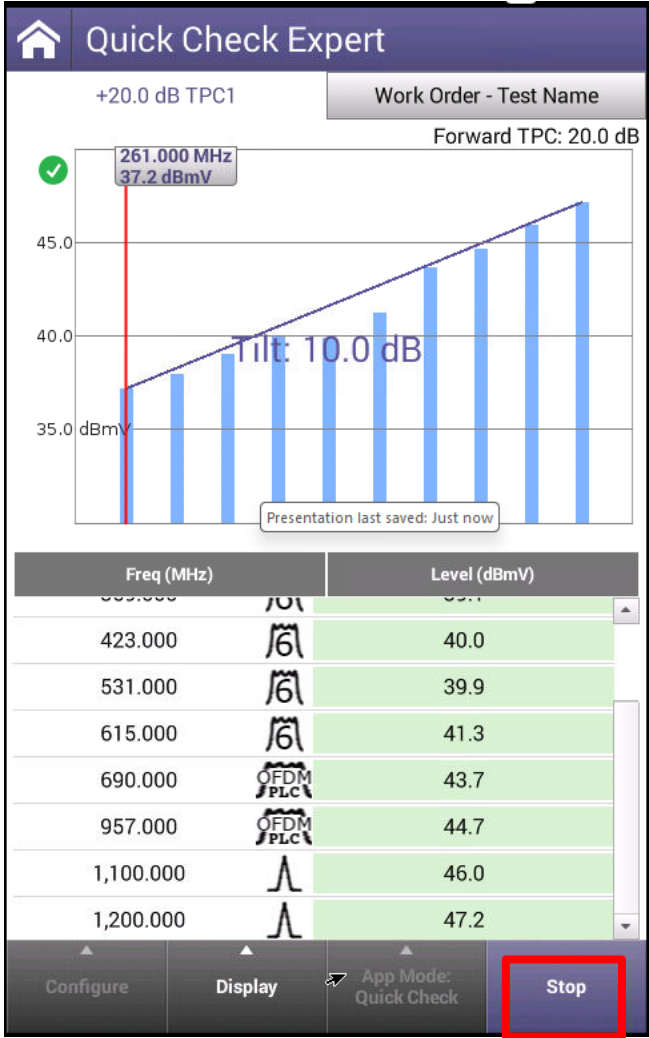
1,200.000 MHz
CW

Add Carrier

Remove Carrier

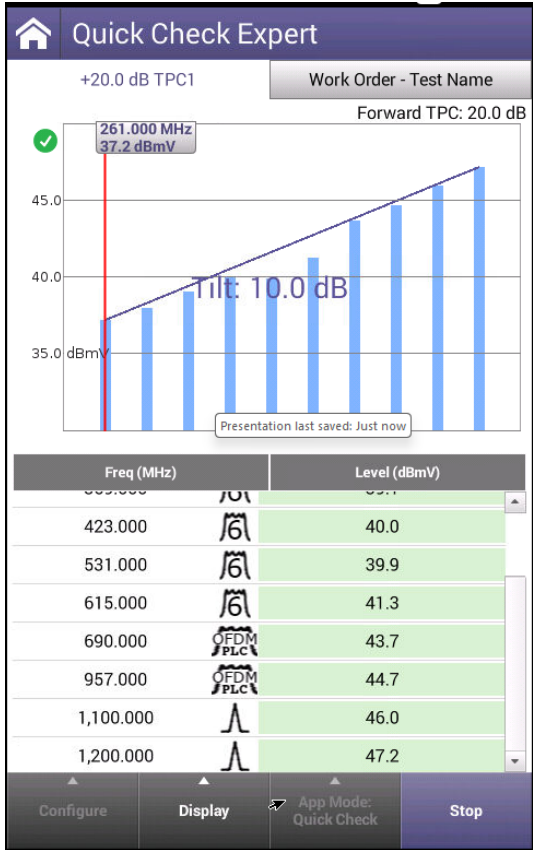
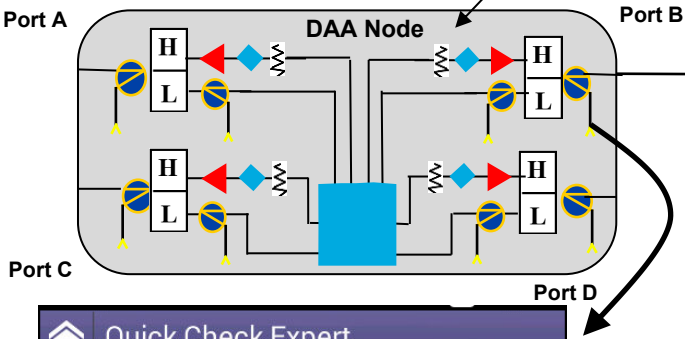
Add from Channel Plan

Start



Balance

Pad and EQ to set Tilt and Level



Pad and EQ based on Node Levels

