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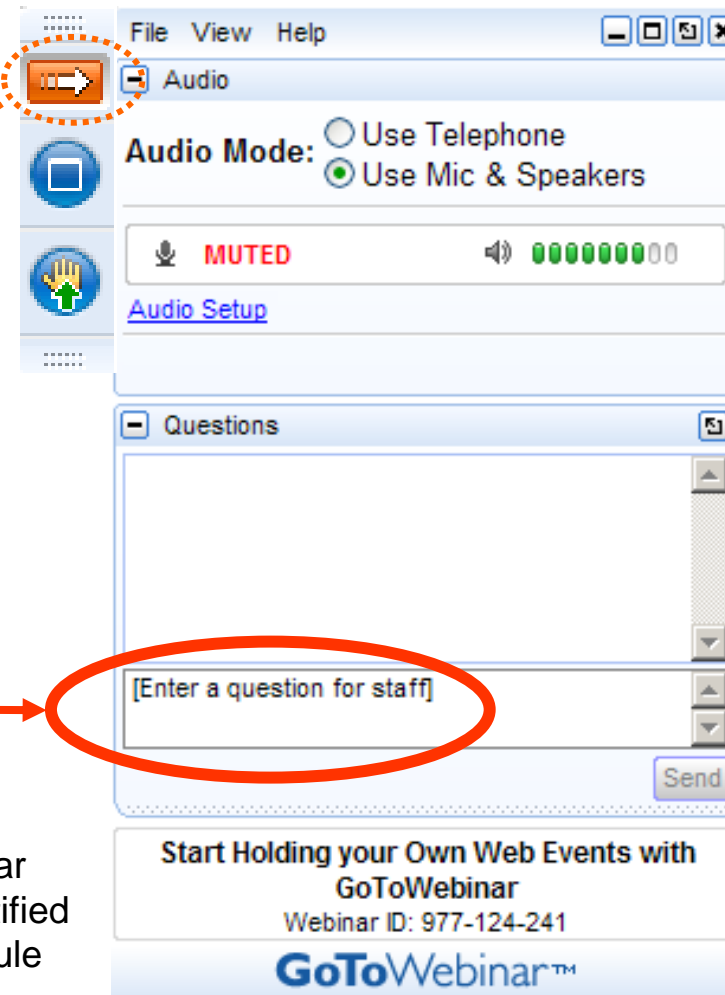
Episode #51

# Everything you wanted to know about **Power Supplies**

# Your questions please?

(if you don't see the control panel, click on the orange arrow icon to expand it)

Please enter your questions in the text box of the webinar control panel (remember to press send)



The screenshot shows a GoToWebinar control panel window. At the top, there is a menu bar with 'File', 'View', and 'Help'. Below the menu bar, there is a section for 'Audio' settings. An orange arrow icon is circled in red and has a dotted orange line pointing to it. The audio settings include 'Audio Mode' with two radio buttons: 'Use Telephone' (unselected) and 'Use Mic & Speakers' (selected). Below this, there is a 'MUTED' indicator with a microphone icon and a volume level indicator showing 00. A link for 'Audio Setup' is visible. Below the audio settings, there is a 'Questions' section. A text box with the placeholder text '[Enter a question for staff]' is circled in red, and a red arrow points to it. A 'Send' button is located to the right of the text box. At the bottom of the control panel, there is a promotional banner for 'Start Holding your Own Web Events with GoToWebinar' with the Webinar ID: 977-124-241 and the GoToWebinar logo.



Remember: The completion of a Nautel webinar qualifies for  $\frac{1}{2}$  SBE re-certification credit, identified under Category I of the Re-certification Schedule for SBE Certifications.

# Ideas for things to cover

- Why?
  - How did we get here?
    - Benefits
    - Risks
- What are the options?
  - Repair choices
  - Replacement
- What about long term?
- Support items
  - How to contact
    - By phone
    - By email
  - Repair times
    - Current
    - Out of Production
  - How to improve the experience



% EFFICACITÉ (155°C) *			
% EFFICIENCY			
100%	75%	50%	25%
95.4 / 95.6	95.9 / 96.1	96.0 / 96.4	94.8 / 95.5

TRANSFORMATEUR TYPE SEC

CAT. #	TZ75C			
Distinct Mod. #	RDTC0022 S004463			V0001
kVA	22		3	Phase
PRI.	208 V		---	kV BIL
SEC.	244Y/141 V		---	kV BIL
% IZ	4.0/4.2	at/a	155	° C 50/60 Hz
Temp. Rise	135	° C		Class Classe 220
Enclosure	C&C	Weight	108 Kg	
Boîtier		Poids		
Serial	DWK - 0007 - 214102			
Série				
Diagram	WD - 3002			
Schéma				

Pos.	Volts
1	239
2	229
3	218
4	208
5	198
6	187
--	---

CONNECTEURS  
CU - AL  
CONNECTORS

**RU**  
E180652

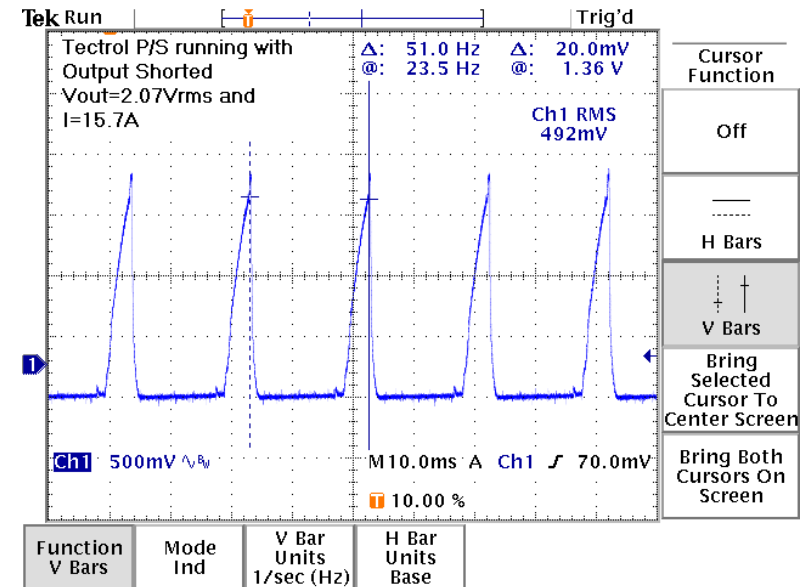
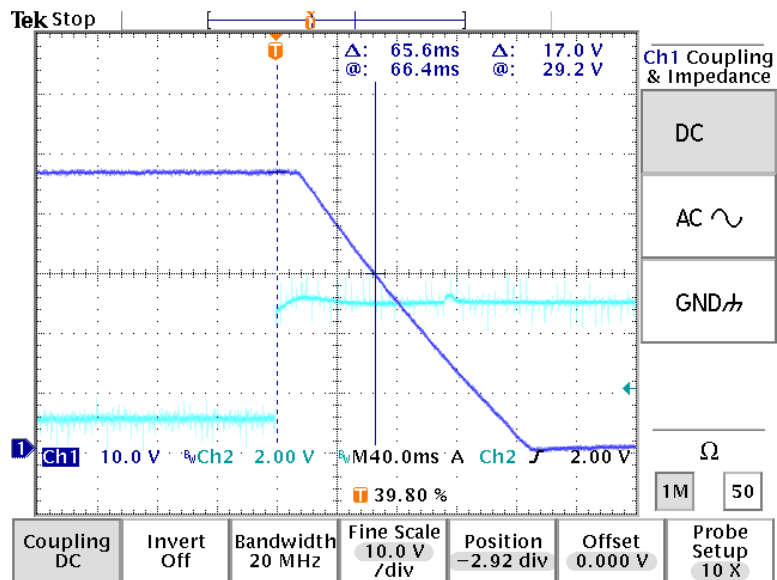
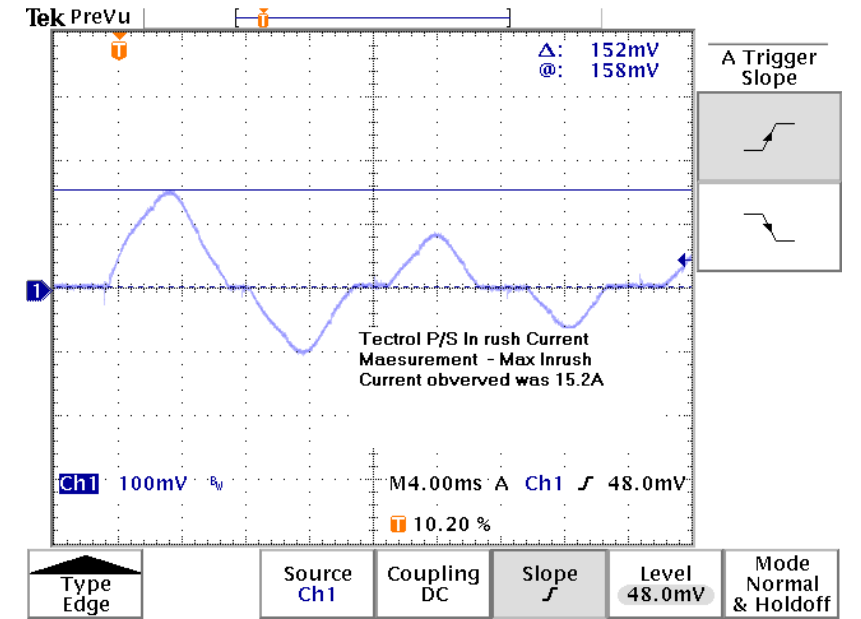
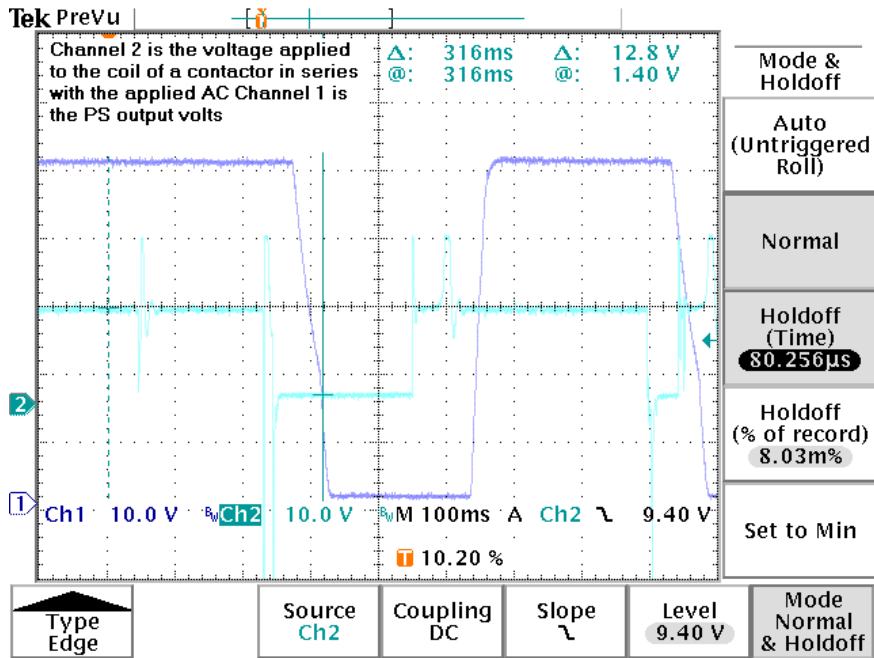
**SP**  
153973

**TZ75C**  
Quantity: 1  
P/O #: 043674  
Job #:  
November 07, 2013



# NVLT Lineage Power Supplies





# Search

Save as

Share

Issue links graph

Export

Project: All

Type: All

Status: All

Assignee: All

NAS70

More

Search

Advanced

MISCHW-51  
Develop NV Power Supply...

COMPOSER-670  
Create handbook drawing...

SCR-1661  
Update 206-7002 Cablese...

MISCHW-46  
Confirm inter-operability ...

VSHW-207  
Operate NAS70 in Proof o...

MISCHW-104  
Assess CE Compliance Re...

MISCHW-54  
Verify NV Power Supply A...

MISCHW-119

1 2 3 4 5 >

## Attachments

Drop files to attach, or [browse](#).

## Issue Links

is depended on by

MISCHW-54 Verify NV Power Supply Ada... WAITING ON ...

mentioned in

Page No Confluence page found with the given URL.

## Issue Links Graph

Dependency, Rel...

Issue Type: All

Issue Status: All

Issue Priority: All

Hide

Updated:

29/May/20 1:26 PM

Resolved:

14/May/20 12:47 PM

## Development

[Create branch](#)

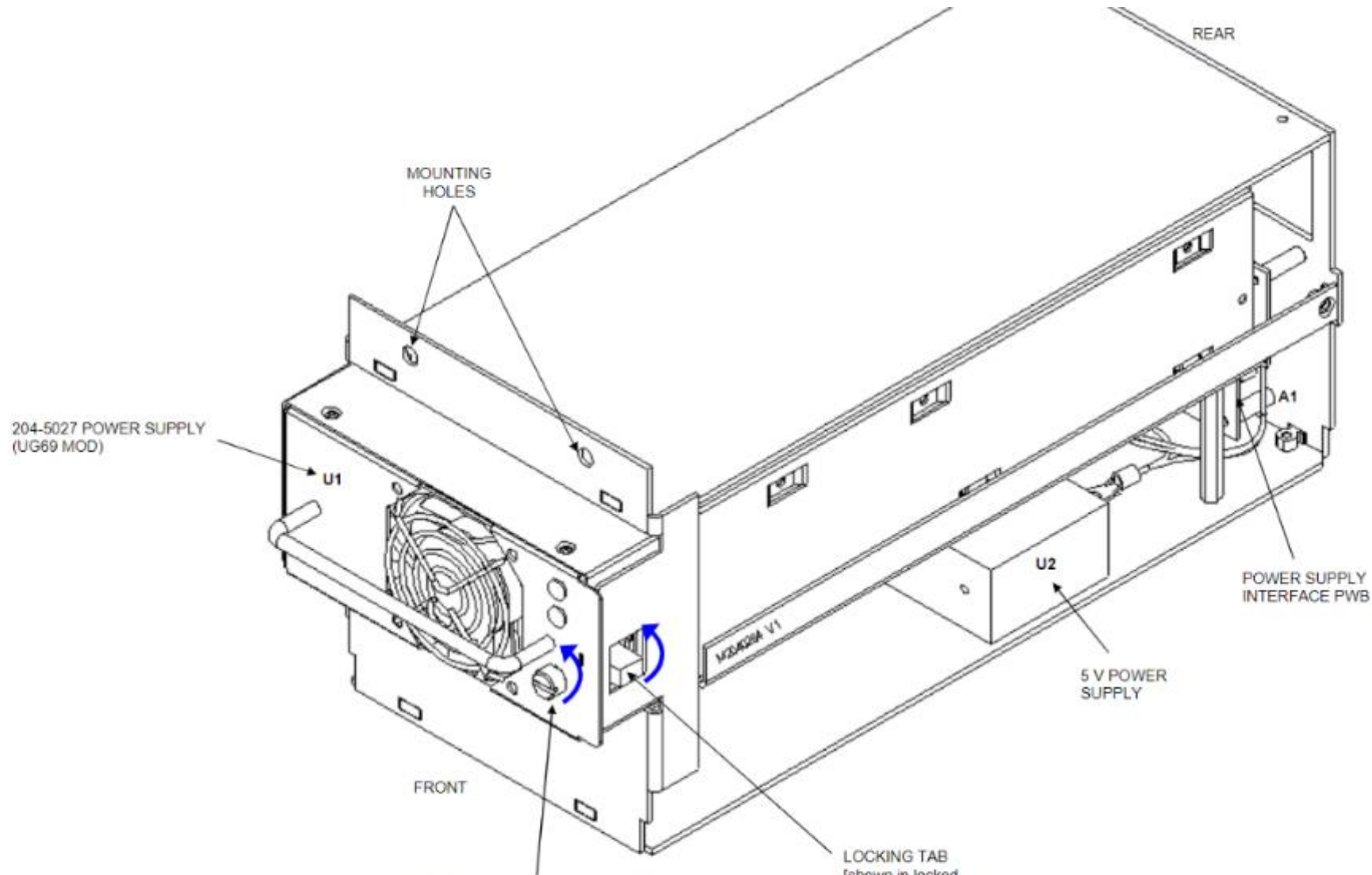
## Agile

[View on Board](#)

## RMsis Links

No Links





204-5027 POWER SUPPLY  
(UG69 MOD)

TURN THE LATCH TO THE VERTICAL POSITION  
BEFORE INSTALLING OR REMOVING THE POWER  
SUPPLY FROM THE ADAPTER.

TURN TO THE HORIZONTAL POSITION (AS SHOWN)  
TO LOCK IN PLACE

LOCKING TAB  
[shown in locked  
(protruding) position]





# Support Calls



- Provide the following
  - Transmitter model and serial number
  - Contact number/email
  - Description of issue/question
- Provide status
  - Off-air/repair/spares request
    - Priority is always given to off-air

# Reading the Clues

VS1 TROUBLESHOOTING MANUAL

RESPONDING TO ALARMS

- Some manuals will give useful info

Alarm Name AUI and (Front Panel)	Front Panel LED (color)	Description and Troubleshooting Action
All Power Amplifiers Inactive (All PAs Inactive)	PA (red)	This alarm indicates that all of the PAs or the power supply module has failed; therefore PA failure alarms or power supply module related alarms should also be present. If there are power supply module related alarms present, or an <b>IPA Output Low</b> alarm, follow the associated troubleshooting procedure. If there are no power supply module related alarms, perform the <a href="#">“PA resistance checks” on page 1-34</a> . If there is no problem found with any of the PAs, or the alarm still persists after replacing all of the damaged PAs, suspect the PS distribution PWB (A2).
Analog Left Audio Low (Anlg Left Aud Low)	Exciter (amber)	This alarm indicates the analog left audio input level is too low or is not applied. The VS1 takes no action on this alarm.



# Reaching Out

**nautelsupport**

SEARCH

NUG REGISTER LOGIN

Technical Resources ▾ NUG RF Toolkit Policies ▾ Contact Support ▾

- Support Request
- Website Support
- Parts Quotation Request
- RMA Request

to us.

**RMA REQUEST**

Live Chat

## Repairs & Exchange

### Module Repair Service

During the transmitter's warranty period, repair of modules is performed at no charge to the customer. Once the warranty period has expired, module repairs will be invoiced based on material and labour costs.

### Module Exchange Service

North American Customers Only

North American customers can take advantage of Nautel's module exchange service. This



# Returns

Care must be taken when packing parts and assemblies to be returned for repair.

Often shipping damage costs more to repair than the original fault would have.

It is better to pack something TOO well and pay a little extra in shipping than to risk additional damage occurring in transit.



# Online Information



## **Webinars**

<https://www.nautel.com/resources/webinars/>



## **Nautel Waves Newsletter**

<https://www.nautel.com/newsletters/>



## **YouTube**

<http://www.youtube.com/user/NautelLtd>



## **Online Info, such as the Broadcasters' Desktop Resource**

<https://www.thebdr.net/>



# THANK YOU!

