

# NFARC TECH NITE DISCUSSIONS

Date	Discussion	Presenter
Thu Nov 4 2021	SWR: What is it, how important, how to measure, whether it will blow up your transmitter!	Gordon Gibby KX4Z
Thu Oct 7 2021	Overview of Data Techniques <a href="https://qsl.net/nf4rc/2021/TechNiteDataModes.pdf">https://qsl.net/nf4rc/2021/TechNiteDataModes.pdf</a>	Gordon Gibby KX4Z
Thu Sep 2 2021	How to wire up for Data <a href="https://qsl.net/kx4z/DigitalConnections.pdf">https://qsl.net/kx4z/DigitalConnections.pdf</a>	Gordon Gibby KX4Z
Thu Aug 5 2021	Your First HF Station	Gordon Gibby KX4Z

## SUGGESTED TOPICS

- DC power supplies
- VHF/UHF antennas and what it takes to hit the repeater
- What exactly is SWR and is it important? Will it blow up my transmitter? How do I measure it? How do I buy a measuring device? Where do I put it?
- What is an antenna tuner and do I need one?
- The basic types of HF antennas and what works in an apartment?
- What are some ways to make contacts on HF?
- What are all these "data" modulations?
- How do I connect my radio to the power in my vehicle?
- What is an AMPLIFIER and how would I use one on VHF/UHF or HF?
- What is a "grounded grid" amplifier? What is a "linear" amplifier? Do I need one for FM?
- What do I need to know about microphones?
- What do I need to know about coaxial cable?
- What is an antenna analyzer? How much do they cost? Do I need one?
- All about lightning protection.
- What is a choke balun? Do they work on AC or on RF or both? Do I need one?
- How do you detect and stop radio frequency interference in my home or neighborhood?