# NMR ORC

## **UVA System** (Ishara)



## NMR2 - Test setup



Source files:
UVA-NMR_ORC_Custom_Components.docx
UVA-NMR_ORC_Commecial_Components.docx

*Previous versions*:
17 May 2021 Two Versions: (1) UVA-NMR_ORC_Custom_Components.pdf (2) UVA-NMR_ORC_Commecial_Components.pdf

22 Apr 2021 UVA-NMR_ORC.pdf

Manuals:

1. RF Generator: SMT06_manual.pdf
2. BNC-2115: BNC-2115-installation-guide.pdf

3. NI PXIe-1071: NIPXIe-1071.pdf
4. NI PXIe-8375 NI_PXIe-8375.pdf
5. BNC-2090: BNC-2090.pdf
6. SCB-68A: NI-SCB-68A.pdf
7. Oscilloscope (Tektronix TDS 754C): TDS-754C-Oscilloscope.pdf (See item #10 for the one currently in use).
8. Q-meter:
   Power supply schematic diagram : Q-meter_Power_Supply_Box_Schematic.pdf
   Liverpool Q-meter guide : http://twist.phys.virginia.edu/Documents/LiverpoolQMeterGuide.pdf or LiverpoolQMeterGuide.pdf
   Design Document : qmeter_blueprint.pdf
   More details : https://confluence.its.virginia.edu/display/twist/Q-meter

8. DIO Box:
   Schematic for the connections in the main circuit board: schematic - DIO box.pdf , overview - DIO box.rtf
   Circuit board layout: layout - DIO box.pdf
   Part list: parts list - DIO box.xlsx
   Components' documents: 2N7002PS.pdf 74AHC_AHCT32.pdf 561-xx0x-050.pdf CFPB.pdf Relay_CRR_Series_E.pdf sn74lvc1g17.pdf

9. Yale-Card schematics: LiverpoolYaleCard.pdf

10. Oscilloscope (Tektronix TDS 3032): Tektronix_TDS_3032.pdf

**Previous Note: http://twist.phys.virginia.edu/TechNotes/SPTG-TechNote-17001.pdf**

# **LANL System** (Misha)