

## Antonio Feed update

## General Update

- SPR
  - Planning of tone measurement of RFCBs
  - Planning of power measurement after RF 4-way splitter
  - Investigate IF ripples
- Observing Campaign
  - LDAP setup DONE
  - Shared /home and /usr/local DONE
  - FRB-node Ubuntu server setup DONE
  - 100G Switch configured and implemented DONE
- General update
  - LNF 6 spare LNAs ORDER PLACED
  - Station Clock INSTALLED
  - Components for RFSoC enclosure ordered
    - Missing optocoupler PCB design
    - IF gain Control
- Feeds – (003, 004, 008, 010, 011, 014)
  - Parts delivered for Gold Plating
  - Wire Harness about DONE
- Feed 4J turbo pump ERR002 replaced diaphragm pump
  - Up and running again
  - 2A might also need diaphragm pump replacement
- Trip to Minex on the 20<sup>th</sup> of November



Feed List		Vibration Measurements		
Number	Installed Ant.	Initial, before tuning	Tuned Value	Followup measurement
<a href="#">5C4-002</a>	Feed Lab			
<a href="#">5C4-003</a>	Feed Lab (5B)			
<a href="#">5C4-004</a>	Feed Lab (2E)			
<a href="#">5C4-005</a>	2A			
<a href="#">5C4-006</a>	4J		X=0.15 Y=0.13 Z=0.10	
5C4-007	Feed Lab			
<a href="#">5C4-008</a>	Feed Lab (1G)			
<a href="#">5C4-009</a>	Minex			
<a href="#">5C4-010</a>	Feed Lab (2B)			
<a href="#">5C4-011</a>	Feed Lab (3L)			
<a href="#">5C4-012</a>	1K		X=0.32 Y=0.09 Z=0.14	
<a href="#">5C4-013</a>	Feed Lab (1H)		X=0.12 Y=0.06 Z=0.22	
<a href="#">5C4-014</a>	Feed Lab (2J)			
<a href="#">5C4-015</a>	Minex			
5C4-016	Minex			
<a href="#">5C4-017</a>	Minex			
5C4-018	2H			
<a href="#">5C4-019</a>	1C			
<a href="#">5C4-020</a>	3C			

## Cables missing

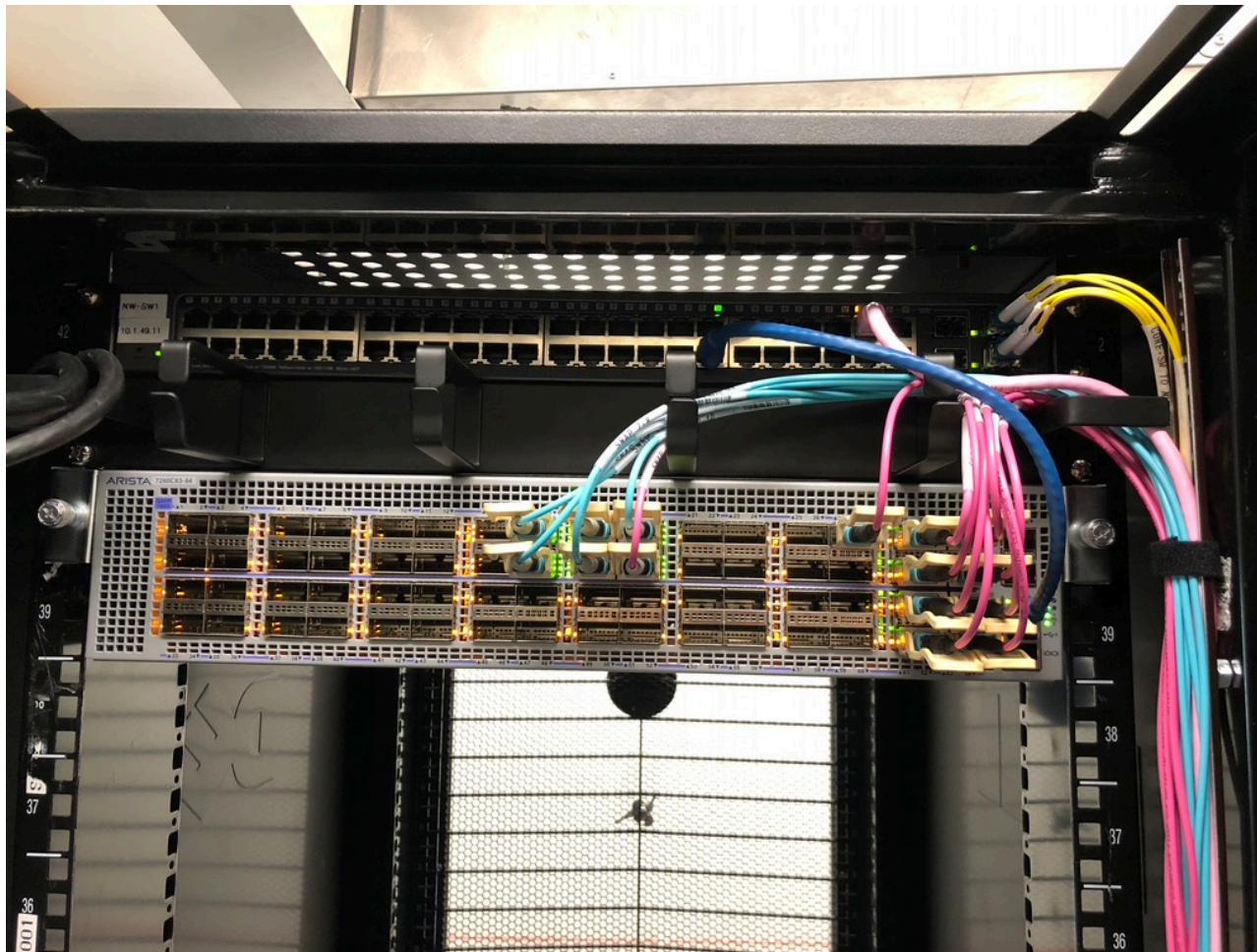
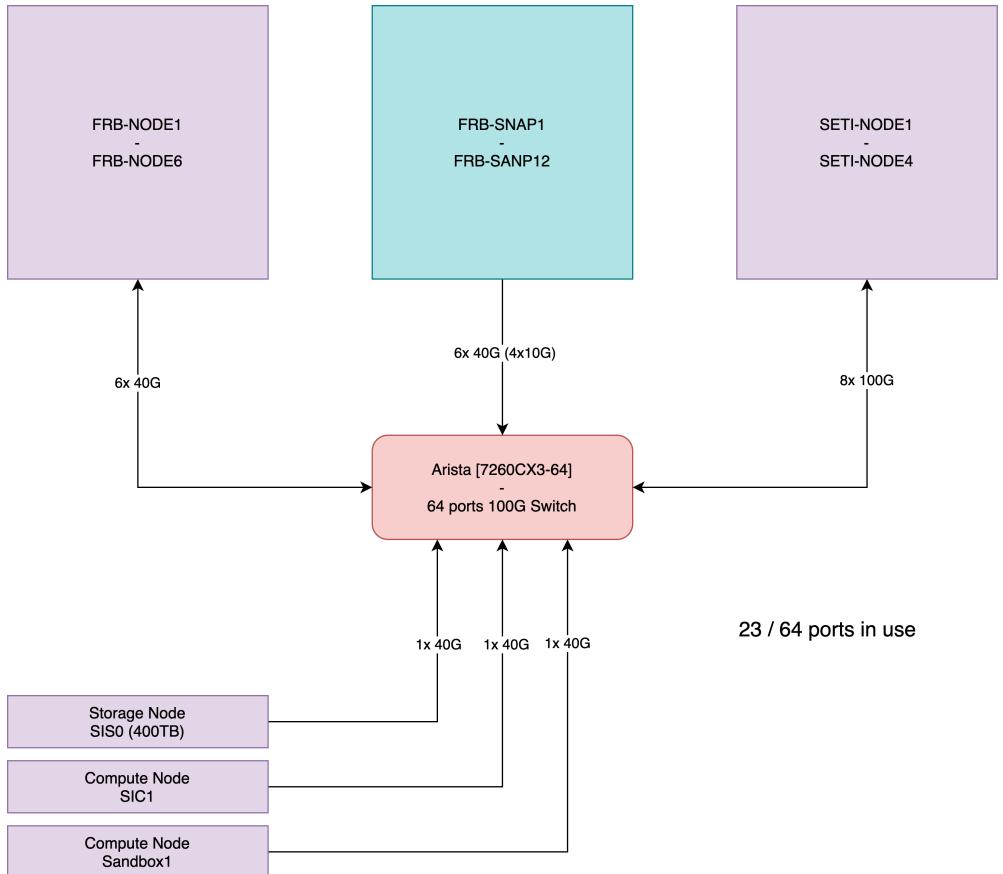
- Feed Base
  - Cryo-Cooler DONE
  - RS232 Cable DONE
  - Fan cable DONE
  - Cryostat Cable (consists of 3 individual cables) DONE

## Minex

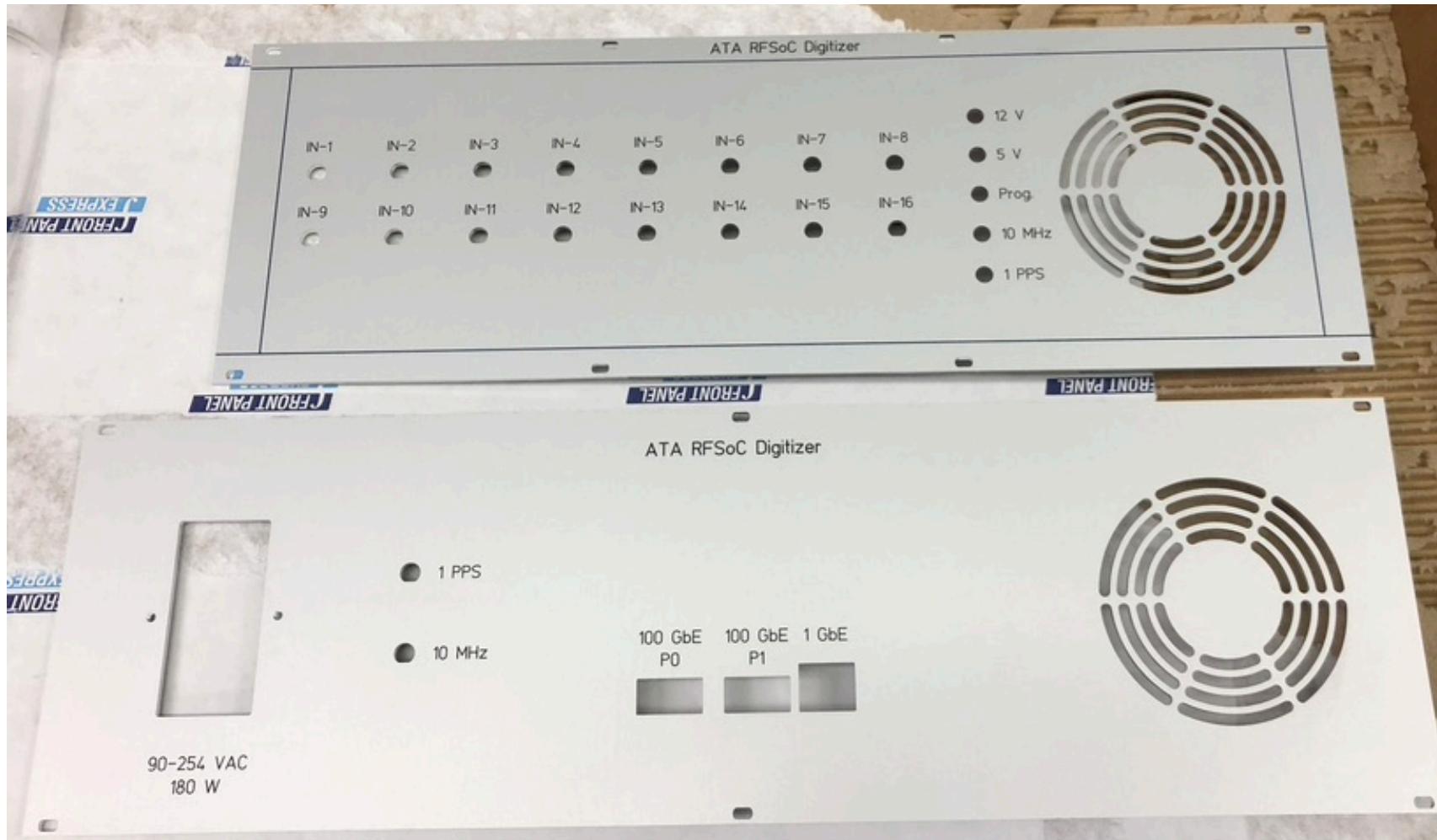
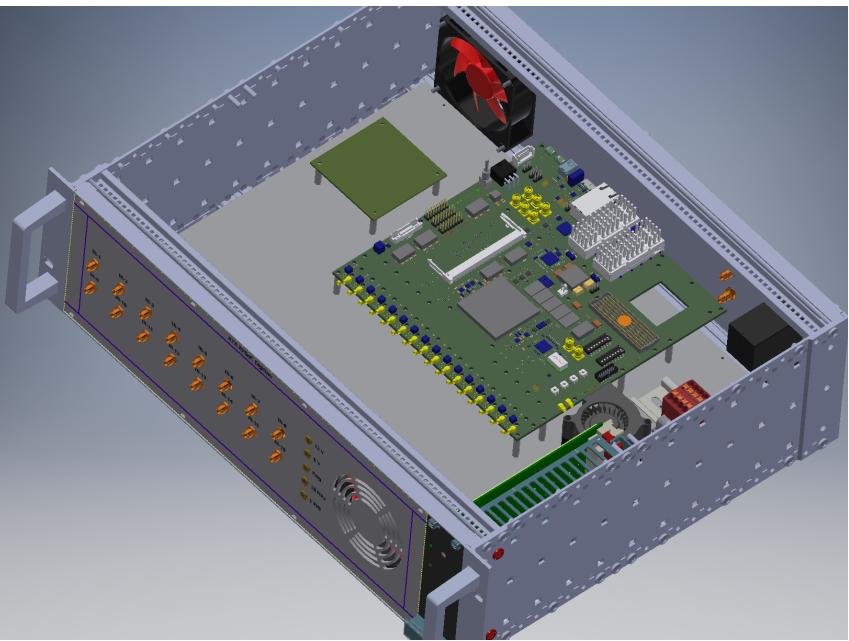
- 6 Feed Pyramids fully assembled
- 4 base plates COLLECTED
- control board mounting sets WILL ARRIVE ON MONDAY



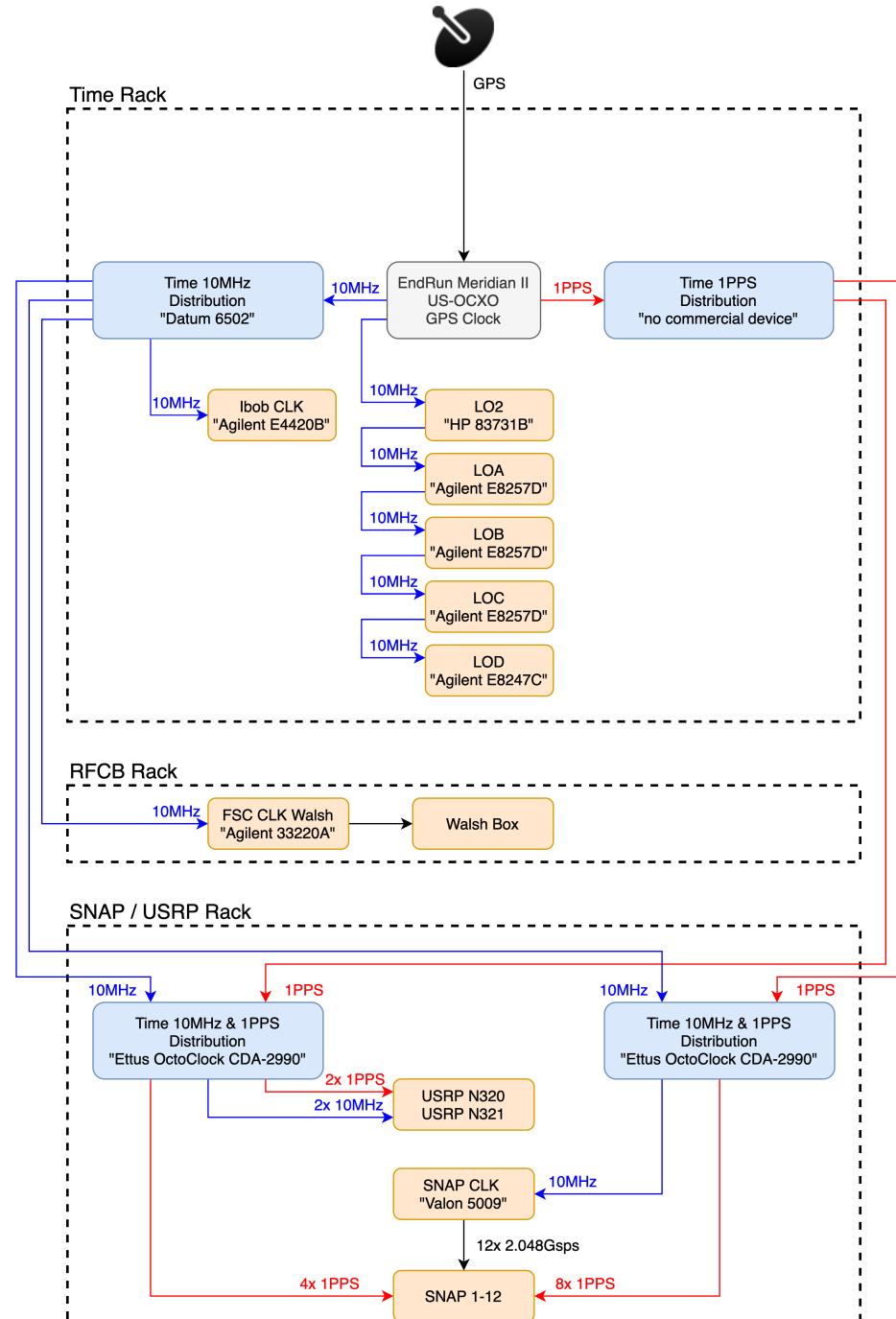
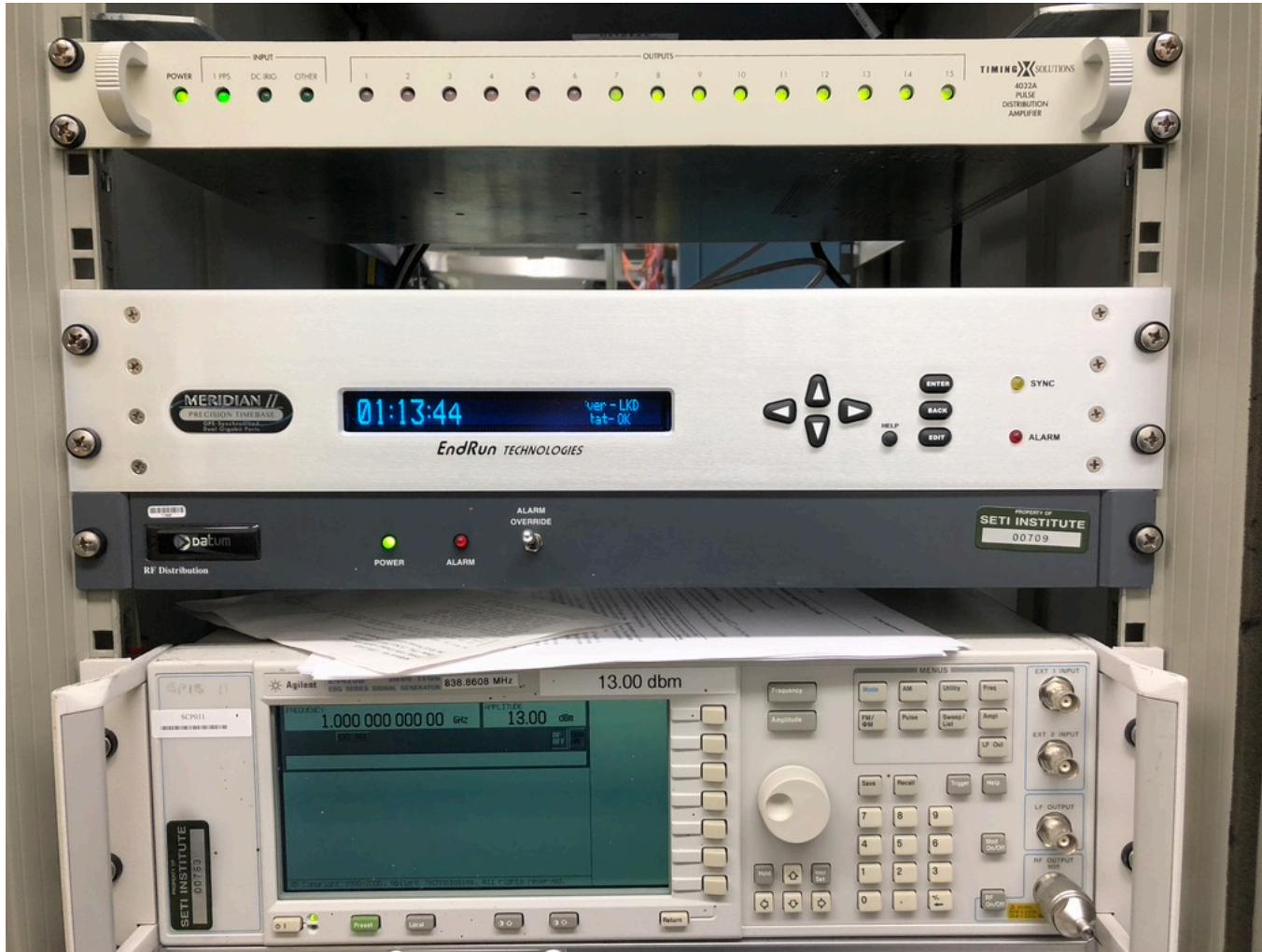
# Compute Infrastructure 100G



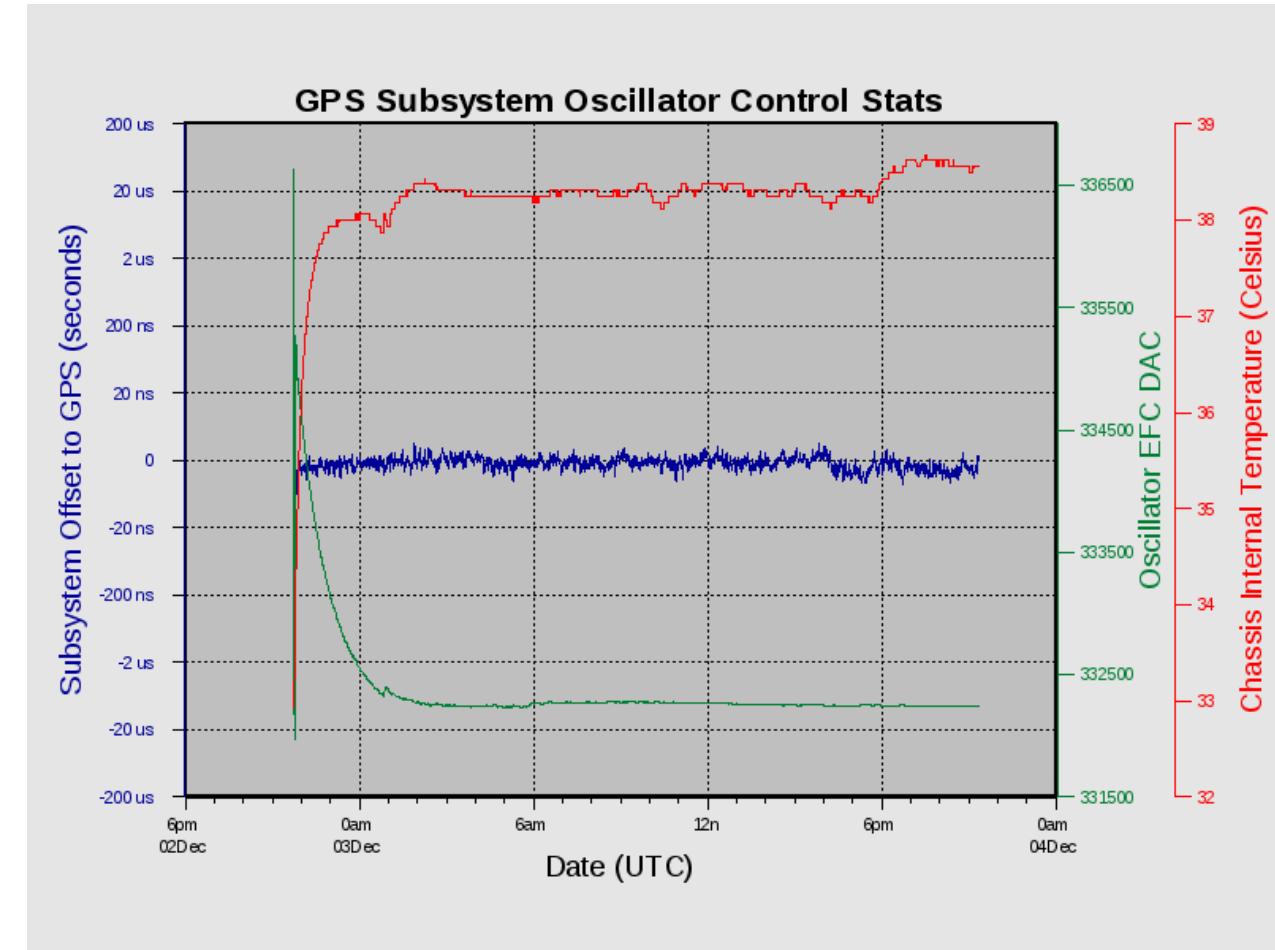
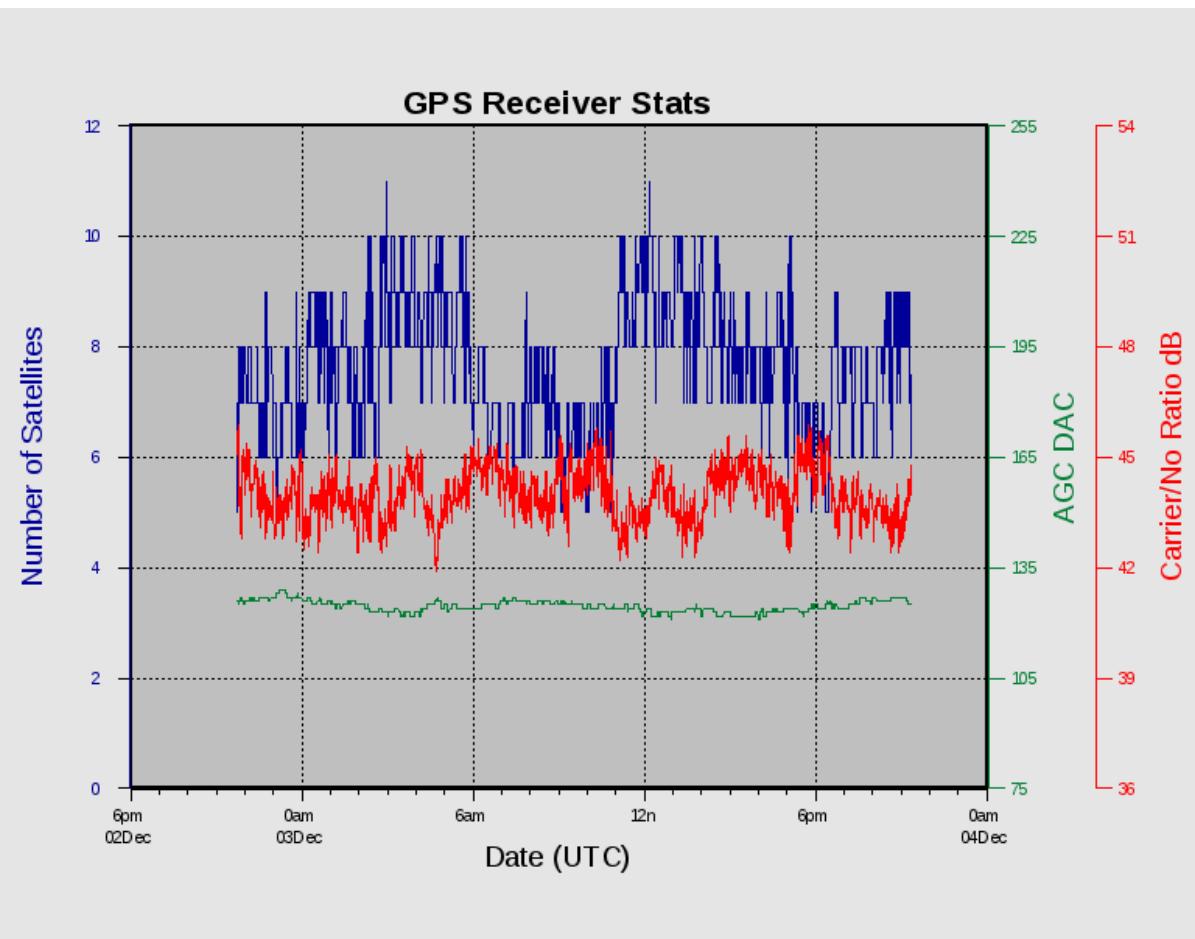
# RFSoC Enclosure



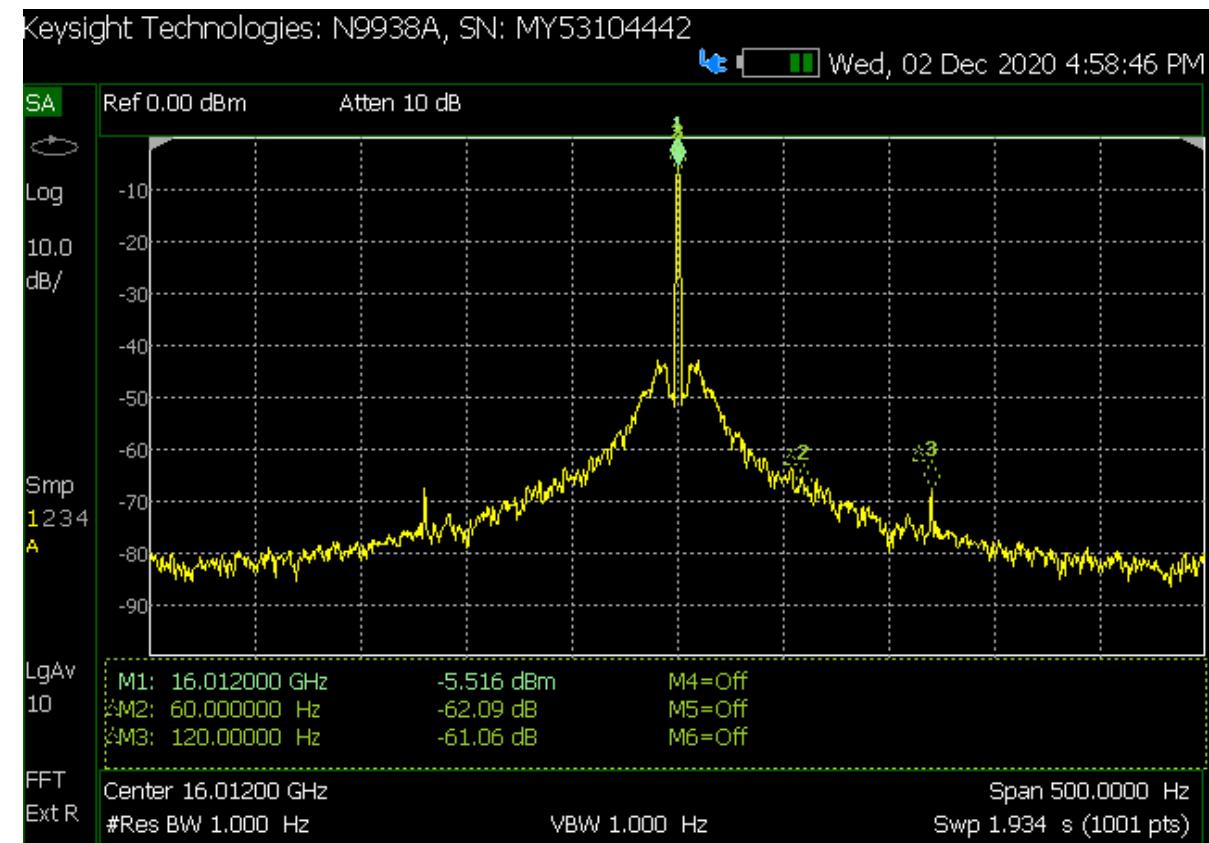
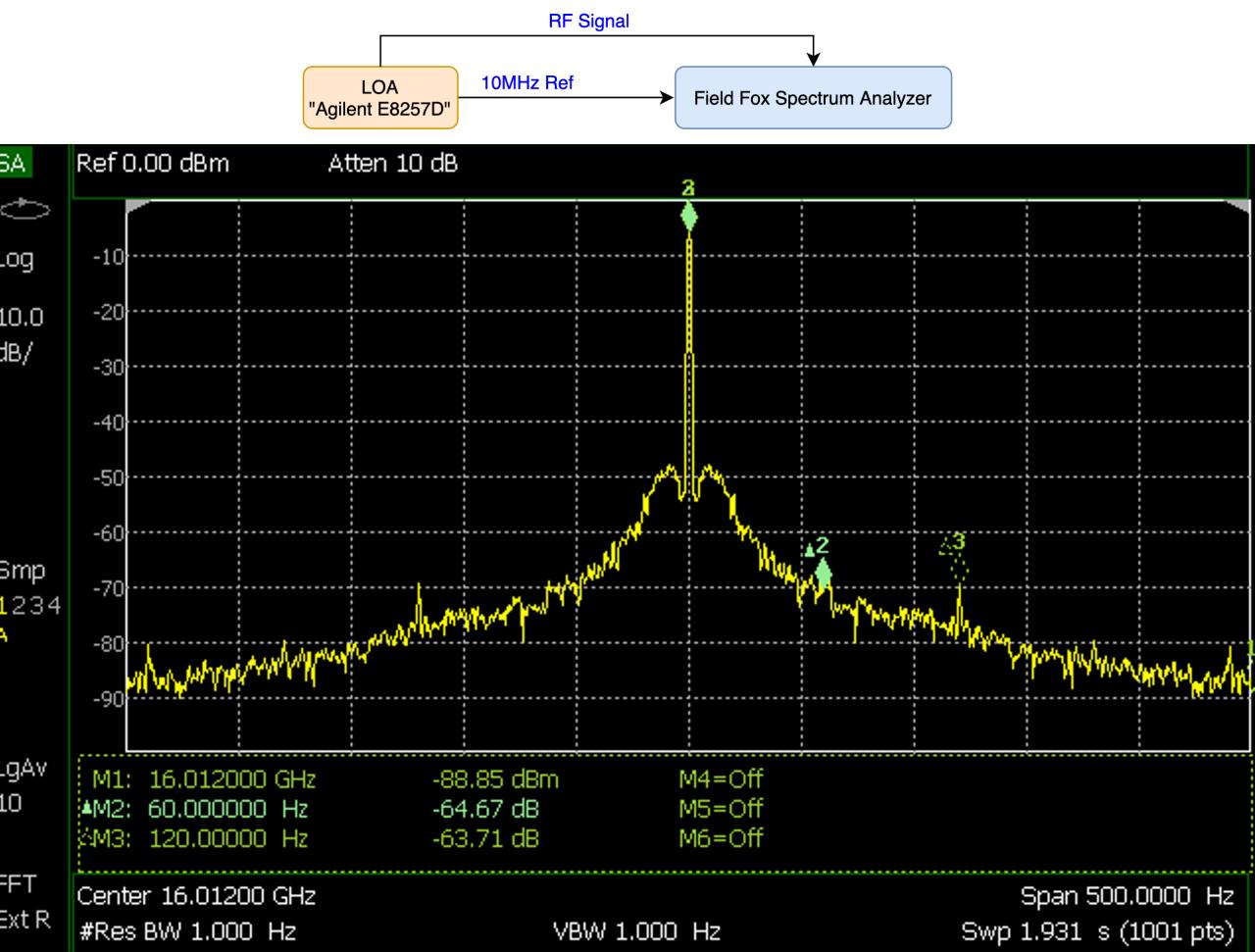
# Station Clock



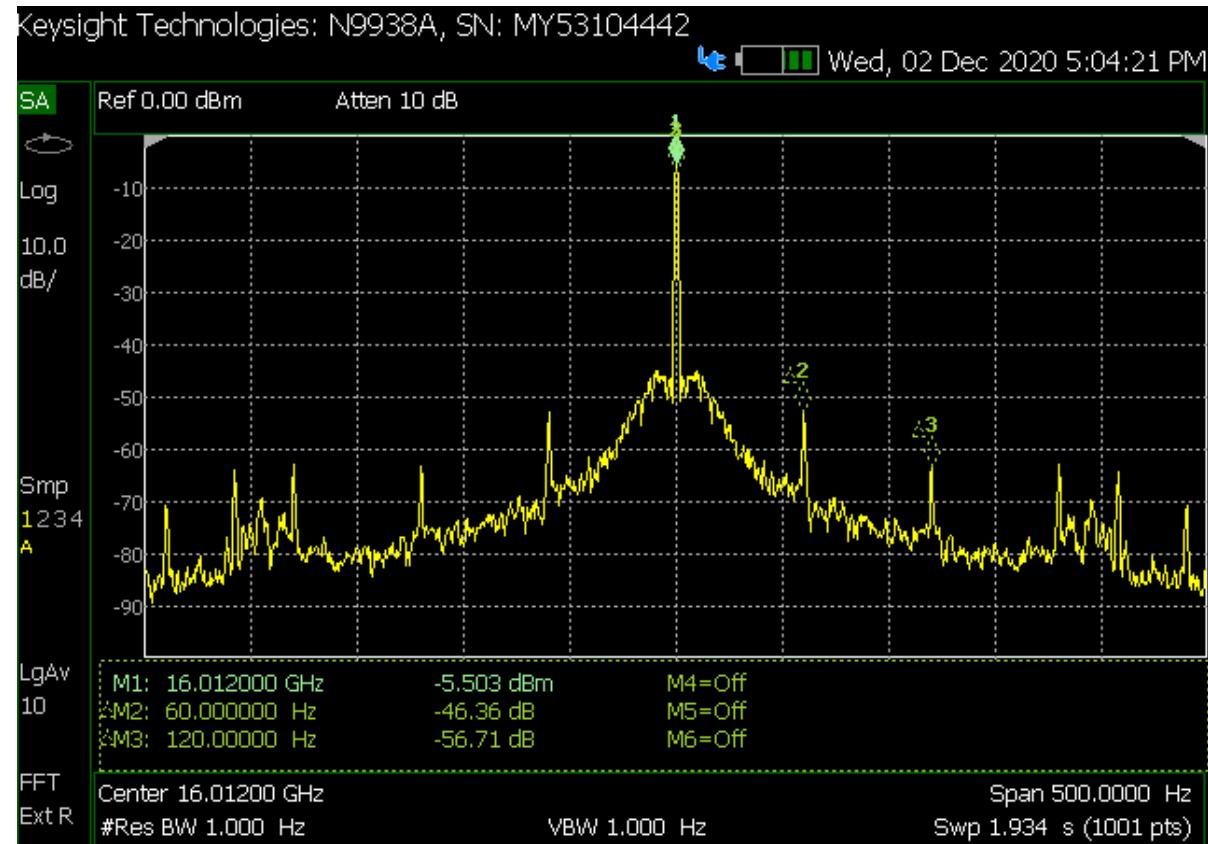
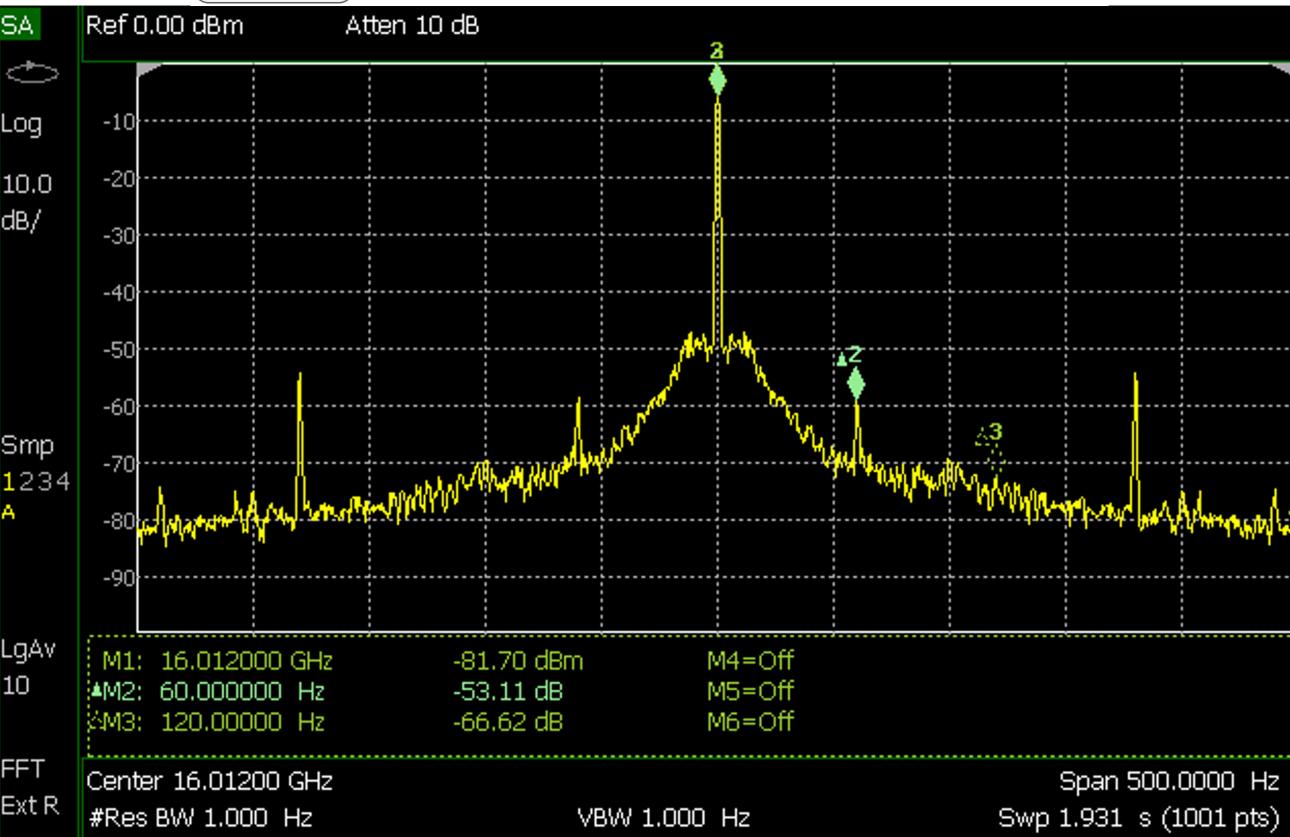
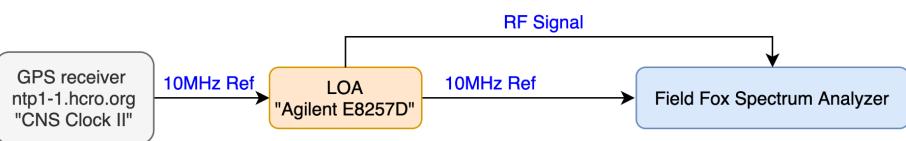
# Station Clock



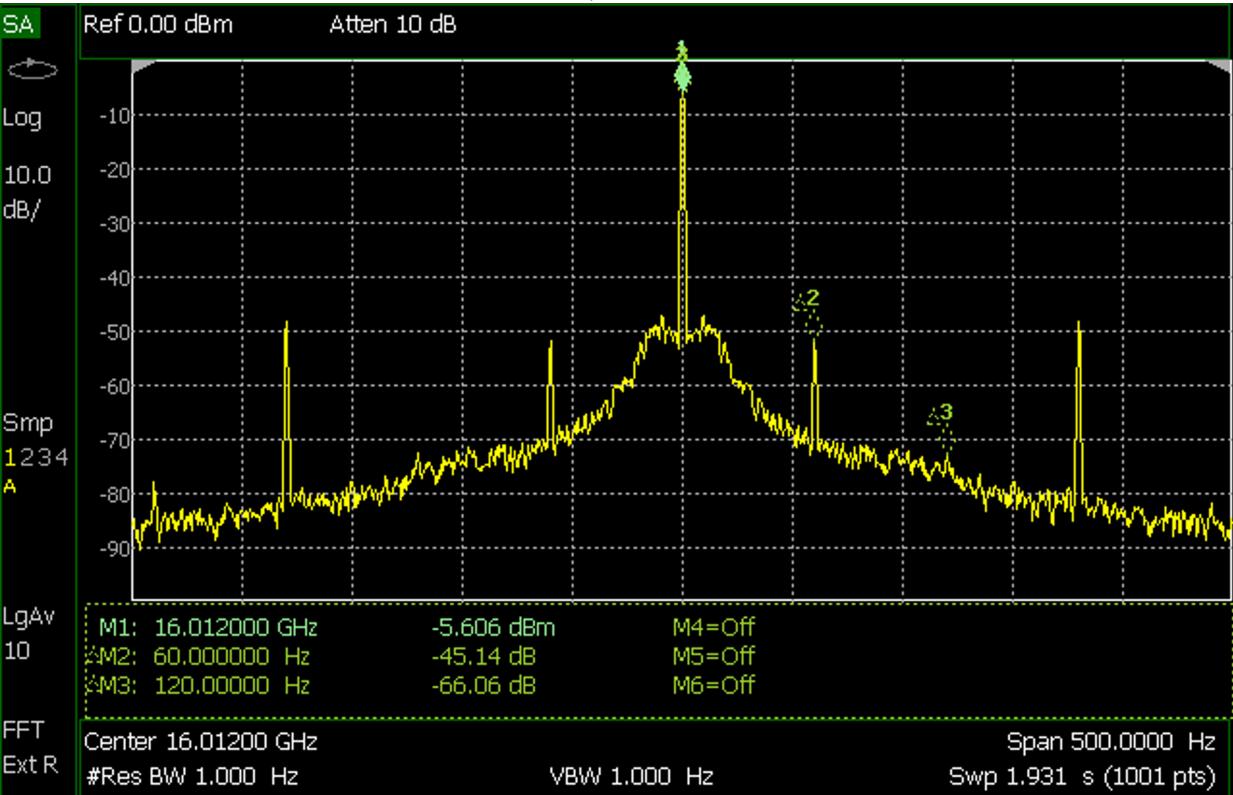
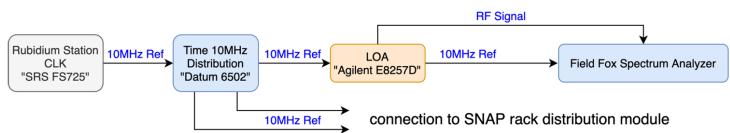
# LOA



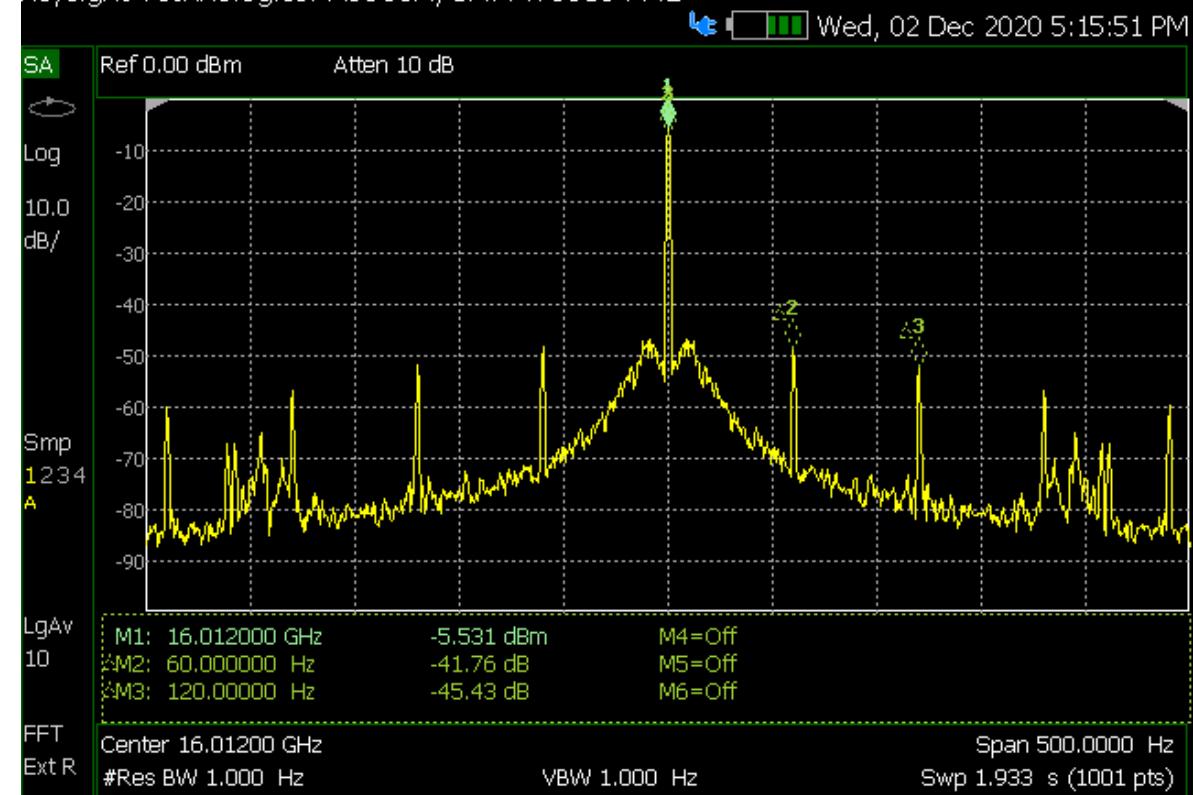
# LOA



# LOA



Keysight Technologies: N9938A, SN: MY53104442



# LO Stability Measurement

