

## Xcube tests

Central frequency set to 1650 MHz. This comes in at 96 MHz.

Tone set to 410 MHz  $\Rightarrow$  1640 MHz

proj\_LGR1011\_2013\_03\_19\_143653

Record some data with tone

03:38:50  $\Rightarrow$  T59\_E0\_R0\_2013\_03\_19\_143804.lf1

Turn off tone and record some more

03:40  $\Rightarrow$  T59\_E0\_R1\_2013\_03\_19\_144055.lf1

Spectrum looks crap. Did not setup conversion!

Record again with no tone

04:21  $\Rightarrow$  T59\_E0\_R2\_2013\_03\_19\_152142.lf1

Still crap

04:30 Try and reset samplers

$\Rightarrow$  T59\_E0\_R3\_2013\_03\_19\_153013.lf1 is crap

$\Rightarrow$  T59\_E0\_R4\_2013\_03\_19\_153124.lf1 to set stats

No cabled connected!!!!

Try again

05:28 UTC

proj\_LGR1011\_2013\_03\_19\_162833

Record no tone

$\Rightarrow$  T59\_E0\_R0\_2013\_03\_19\_163026.lf1

Turn on tone -12dBm

$\Rightarrow$  T59\_E0\_R1\_2013\_03\_19\_163244.lf1

Turn on 512 MHz setup - tuned to central 1554 MHz

Record with no tone

$\Rightarrow$  T59\_E0\_R2\_2013\_03\_19\_164111.lf1

Turn on tone (410  $\rightarrow$  1640 MHz)

⇒ T59\_E0\_R3\_2013\_03\_19\_164236.lf1

Set tone to 402 MHz (1608 MHz

⇒ T59\_E0\_R4\_2013\_03\_19\_164504.lf1

Set tone to 362 MHz ()

⇒ T59\_E0\_R5\_2013\_03\_19\_165534.lf1

Back to 64 MHz

Turn off DAS gain control

⇒ T59\_E0\_R6\_2013\_03\_19\_170023.lf1

Noise cal was 0.5 Hz!!!!

Try again - new project

Cal is 200 Hz

proj\_LGR1011\_2013\_03\_19\_203024

⇒ 59\_E0\_R0\_2013\_03\_19\_203350.lf1

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