

Measurements

Plots of LNAs measured
Plots of Noise-Heads measured

HB9BBD

Introduction

- Only 1 LNA for 144 MHz and 1 for 432 MHz were to be measured at this conference... What does this mean for the future?
- 4 noise sources had been measured on the basis of the SNS noise head N4000A

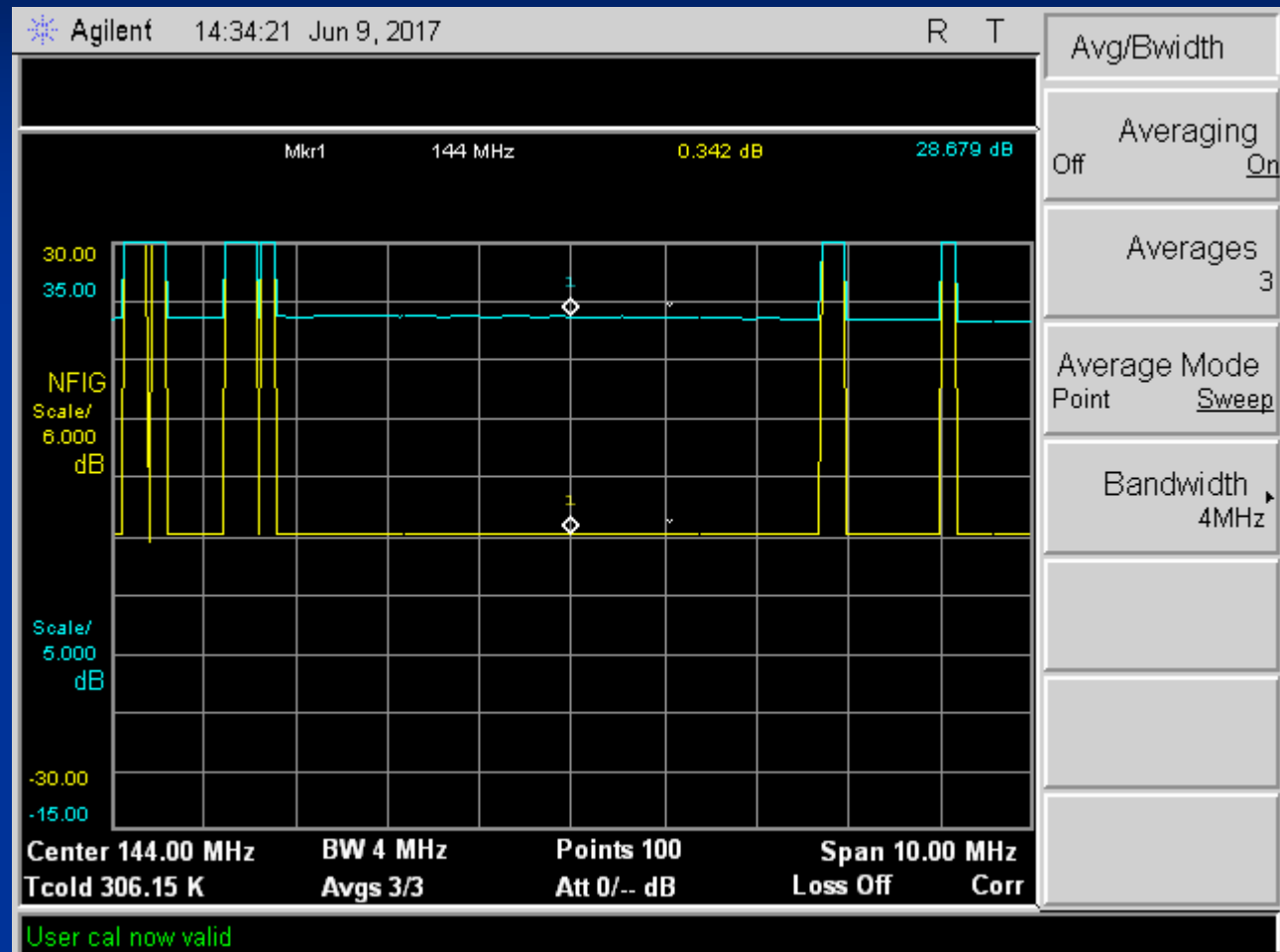


Agenda

- 144 MHz (1)
- 432 MHz (1)
- 1296MHz (9)
- 5.7 GHz (2)
- 10'368 MHz (11) *(all results incl. WG-SMA adapter!, where applicable)*
- *Corresponding Figures noted in Excell (separate file)*
- Appendix: ENR Tables of reference Noise Head
Agilent N4000A and Noise-Heads (rel.ENR to
reference N4000A)

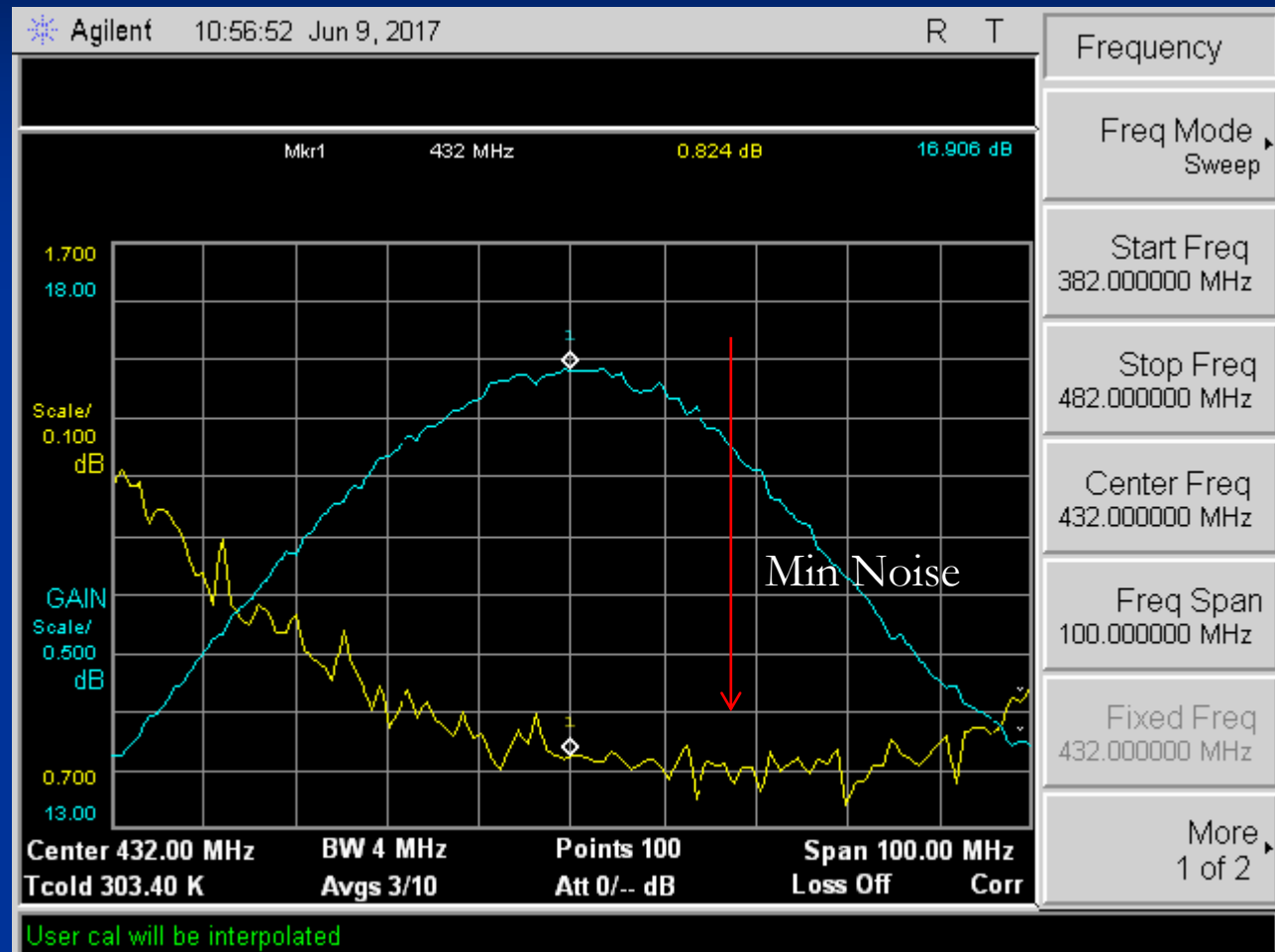
144 MHz

SP3RNY
By SP3RNY



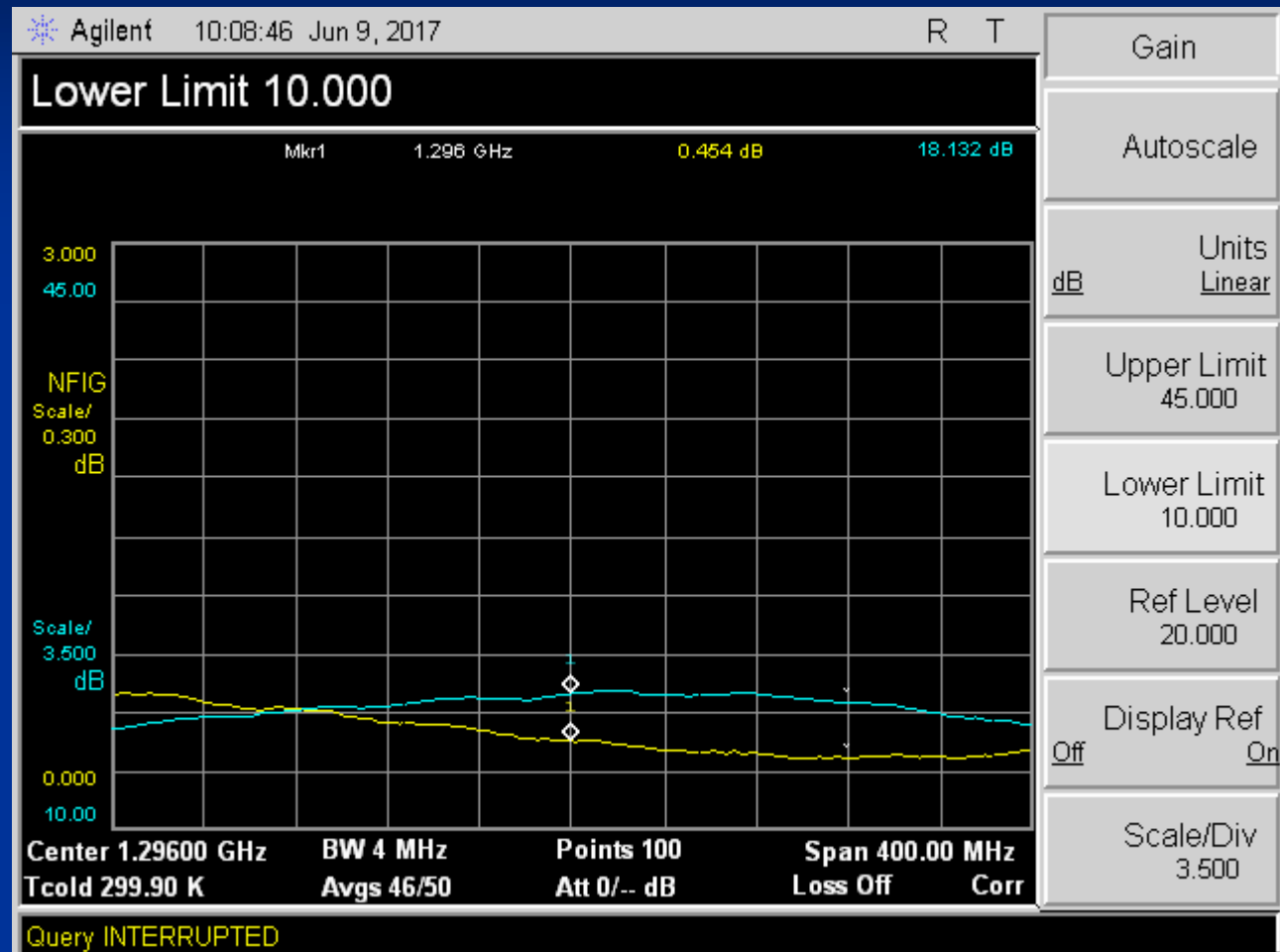
432 MHz

SP9AF
by SP9AF



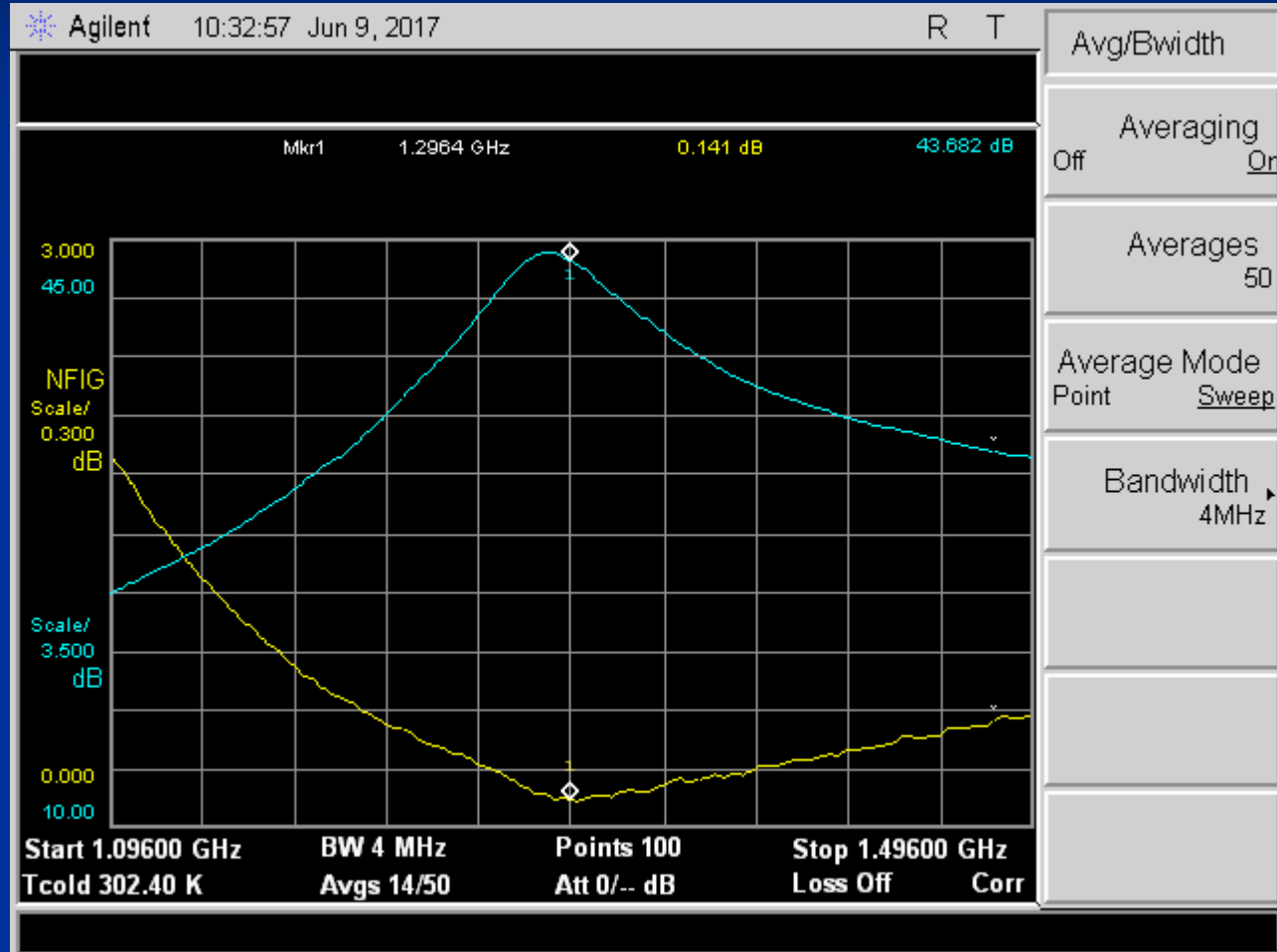
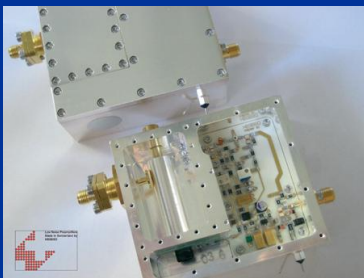
1296 MHz

SP2HMR #1
by SP9WY



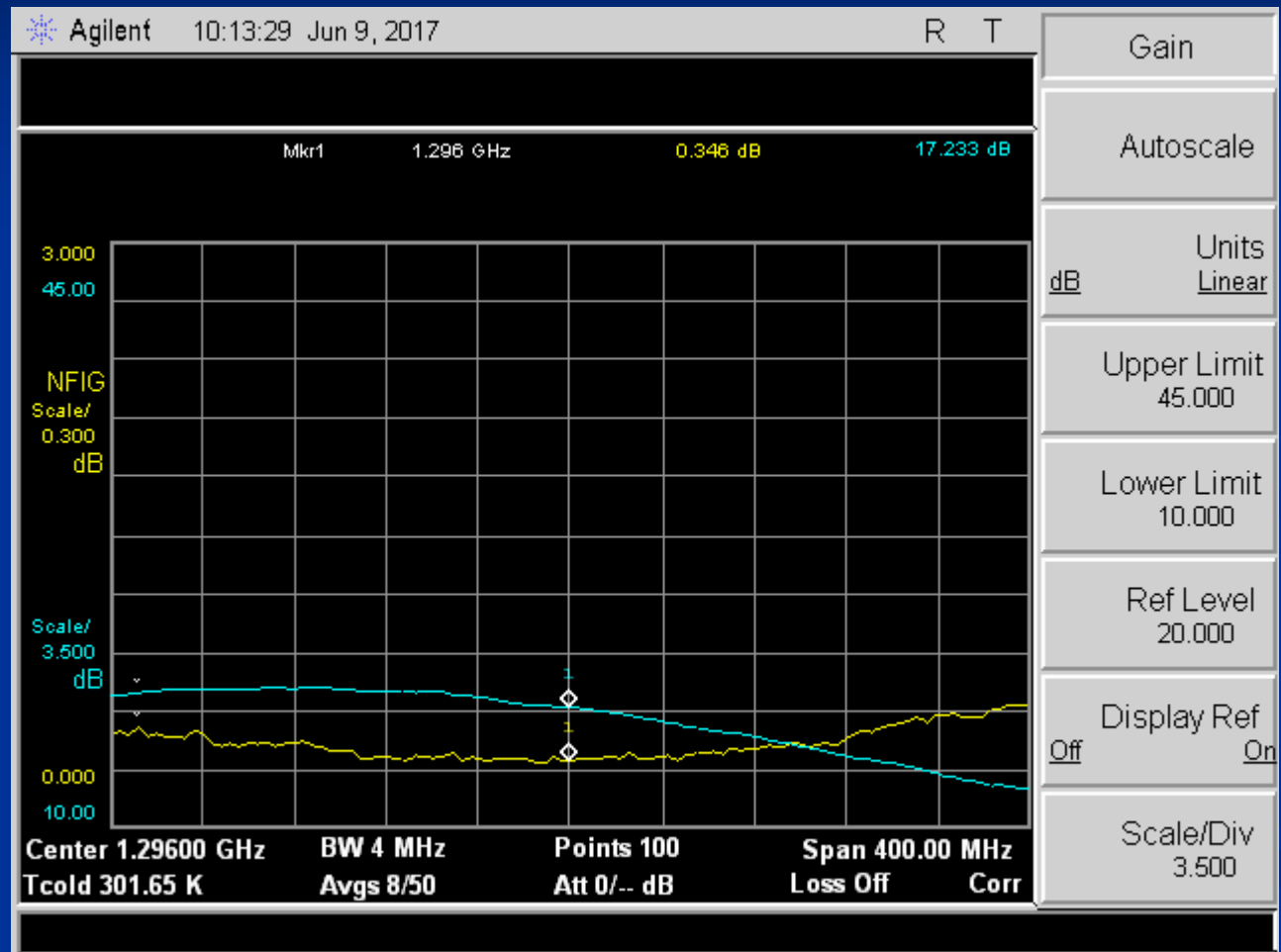
1296 MHz

DB9SB
by HB9BBD



1296 MHz

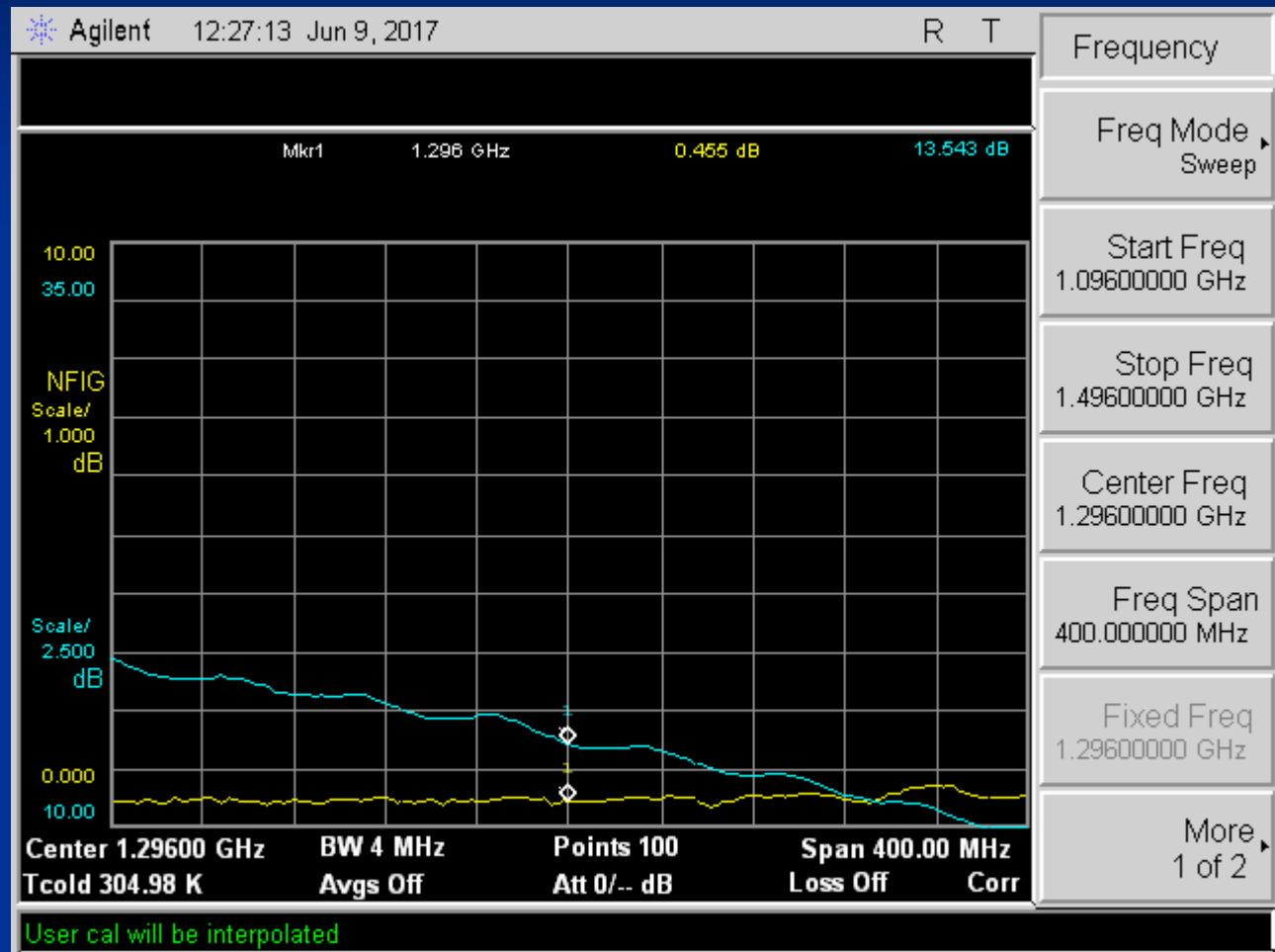
SP2HMR #2
by SP9WY



1296 MHz

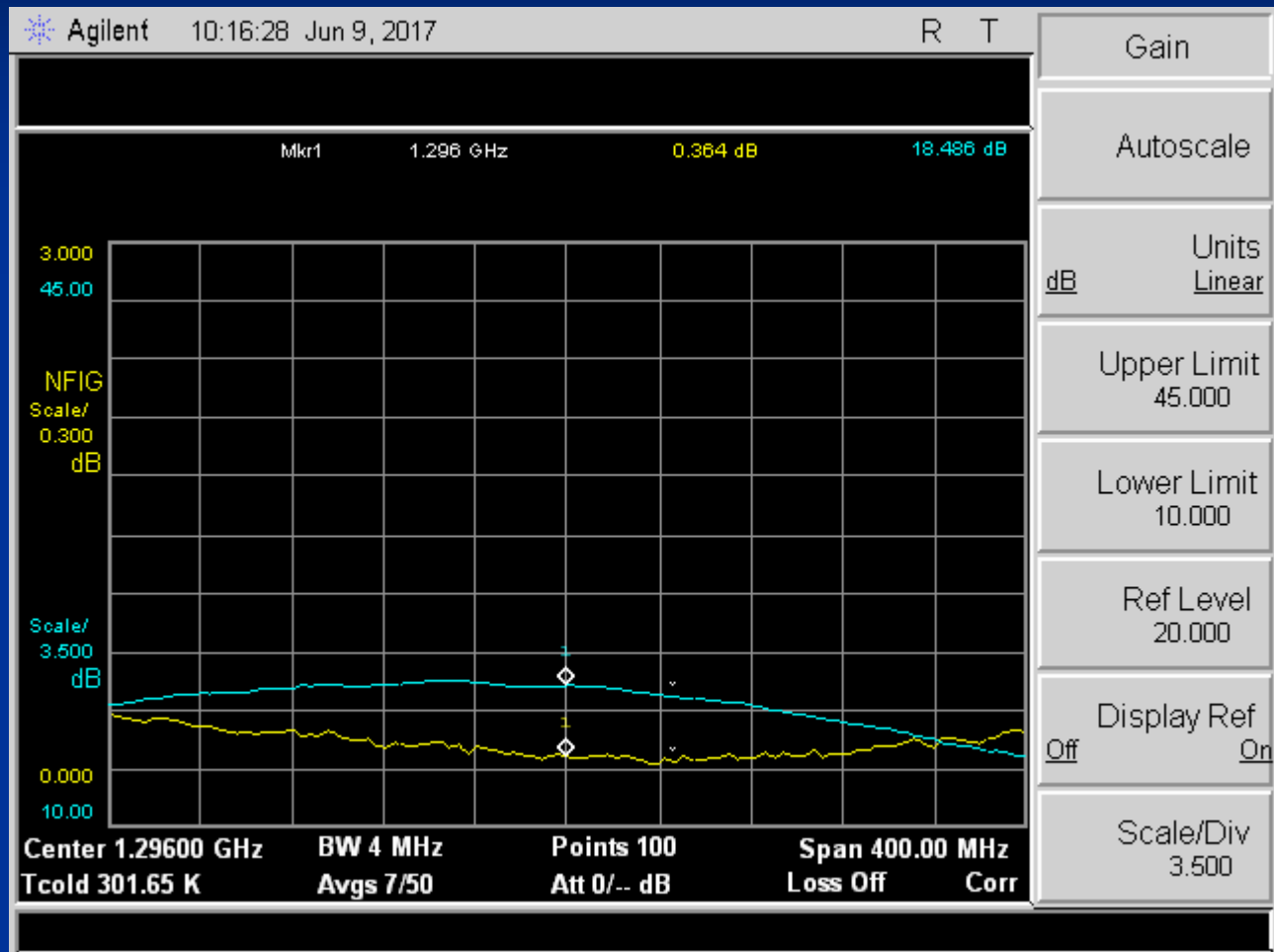
SP6MLK

„Club“



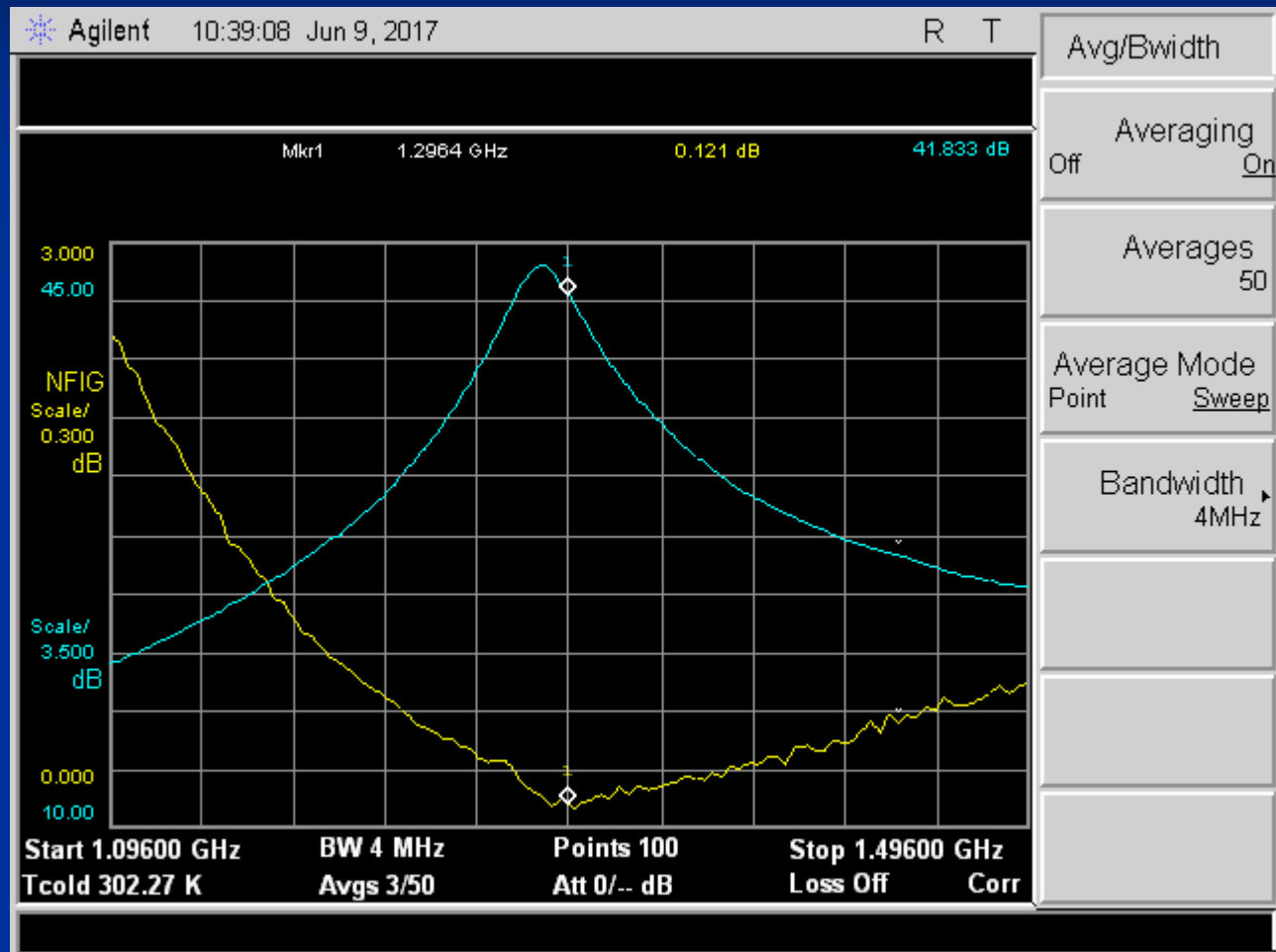
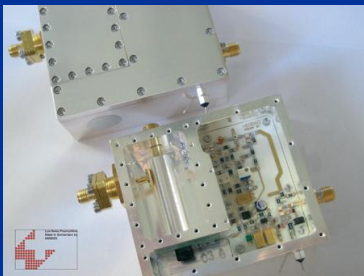
1296 MHz

SP9AF
3



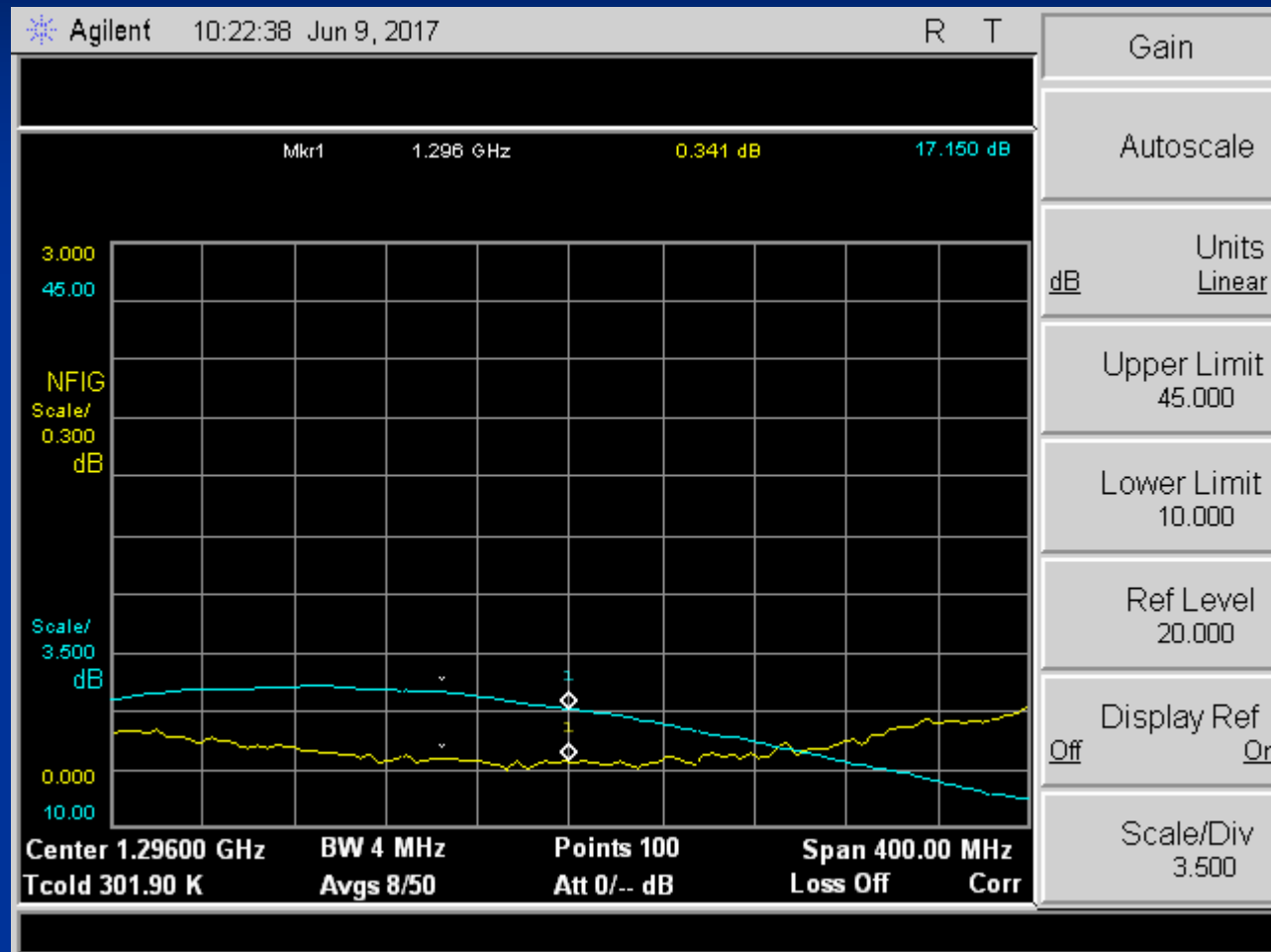
1296 MHz

OE9ERC
by HB9BBD



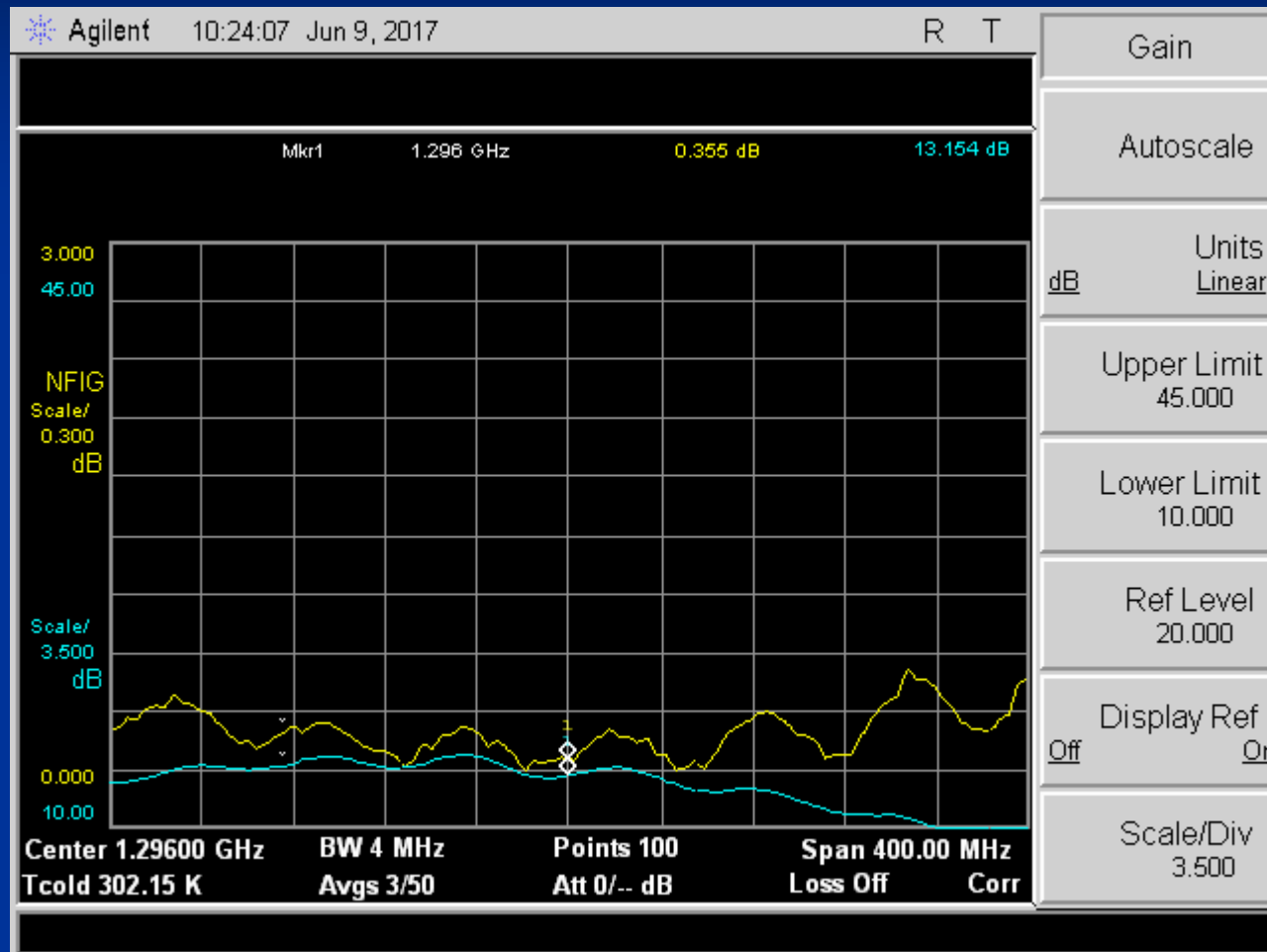
1296 MHz

SP9AF
5



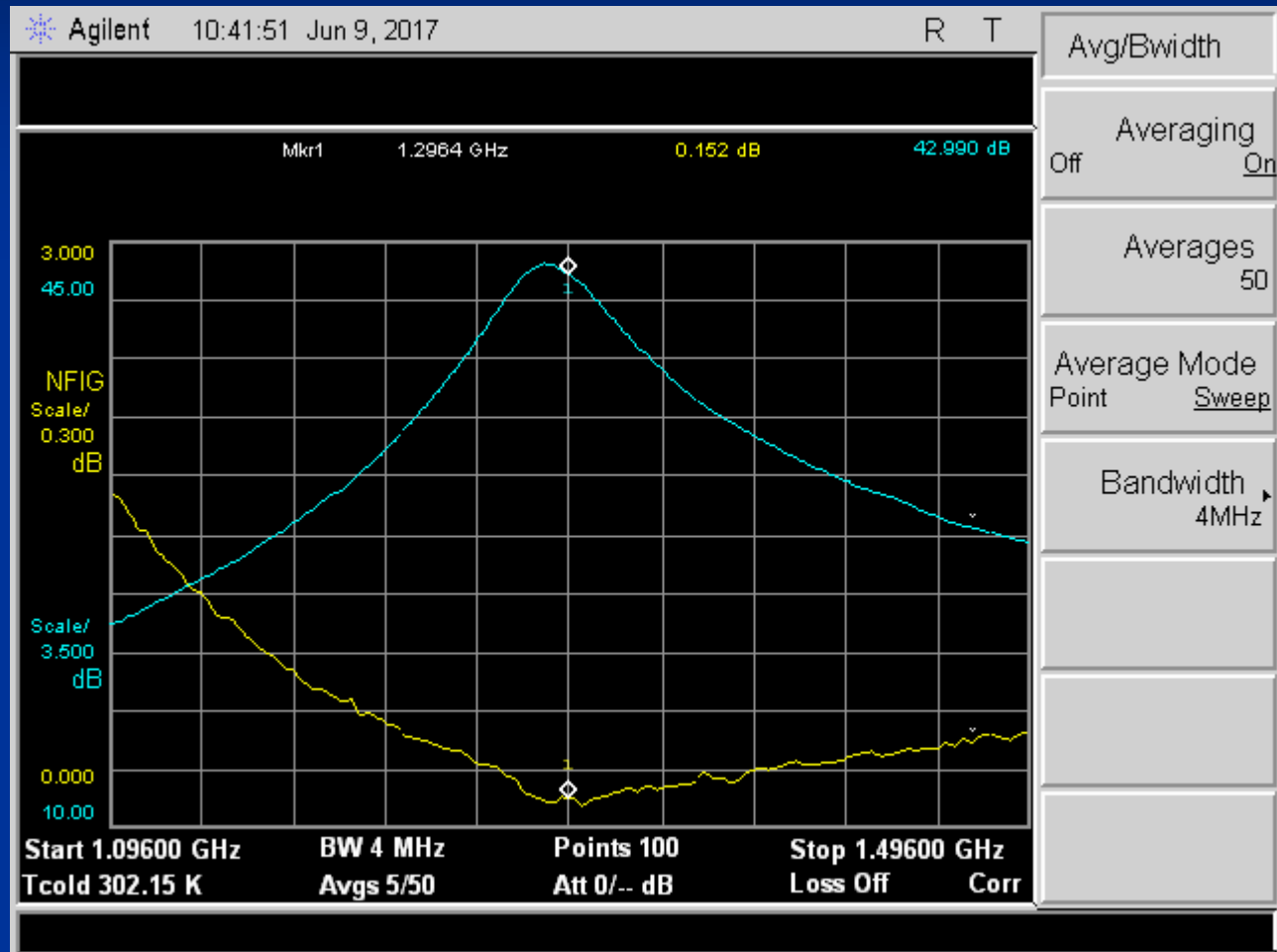
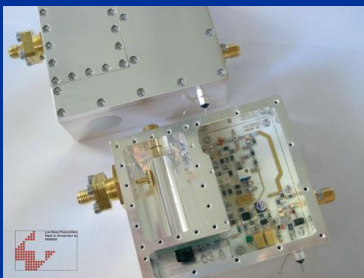
1296 MHz

SP9AF
6



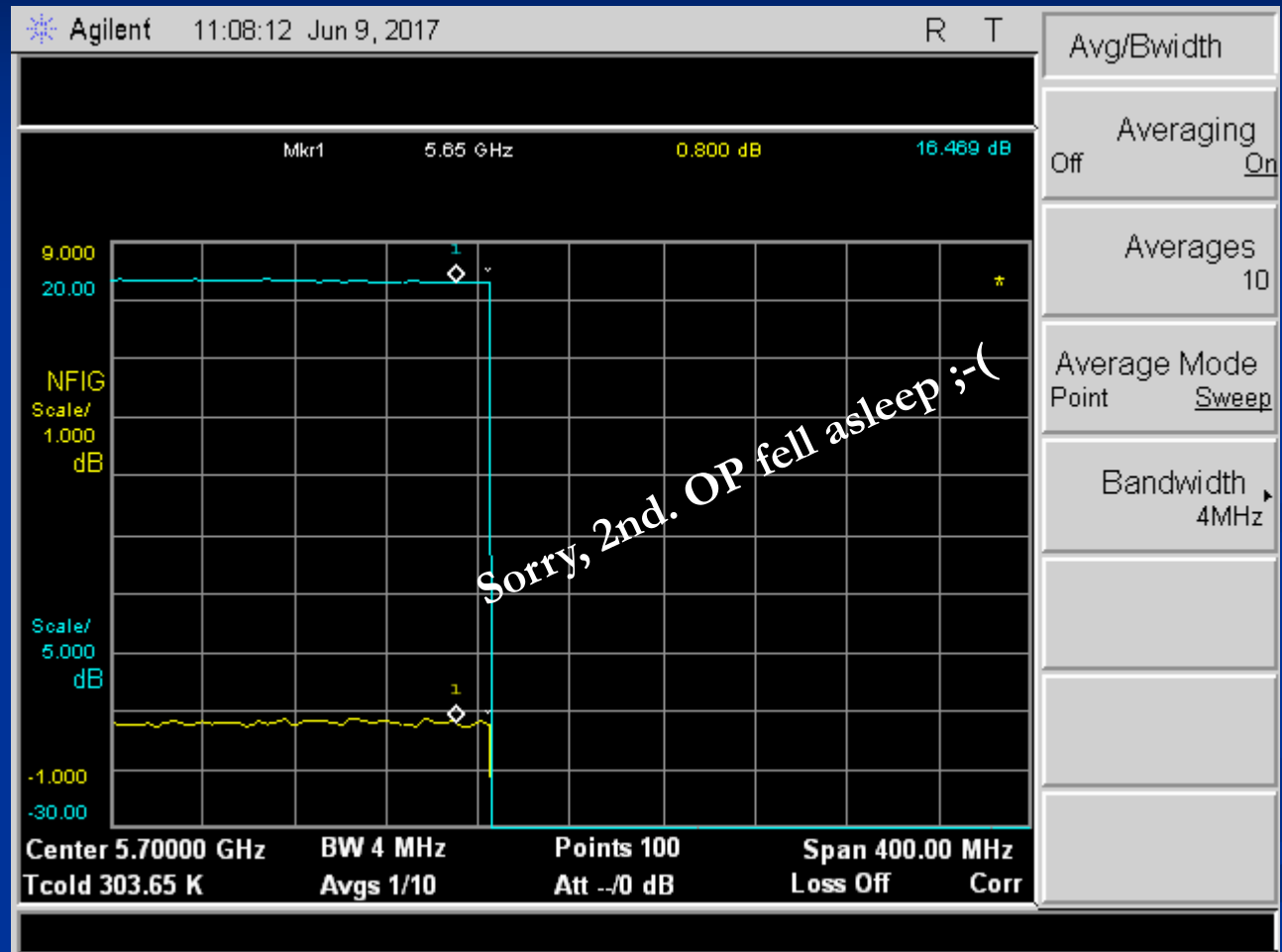
1296 MHz

HB9BBD
by HB9BBD



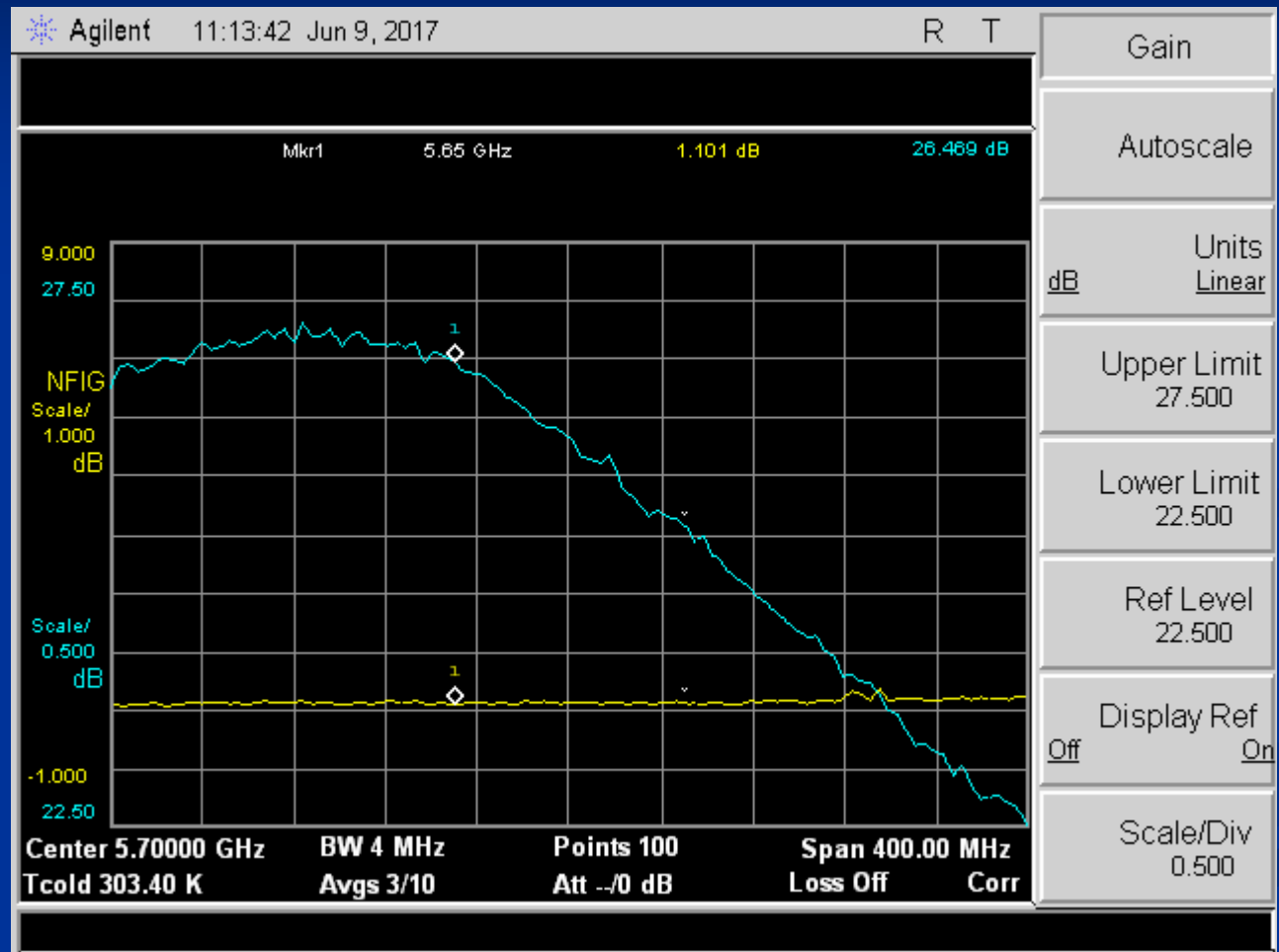
5.7 GHz

SP6GWN
by DG0VE



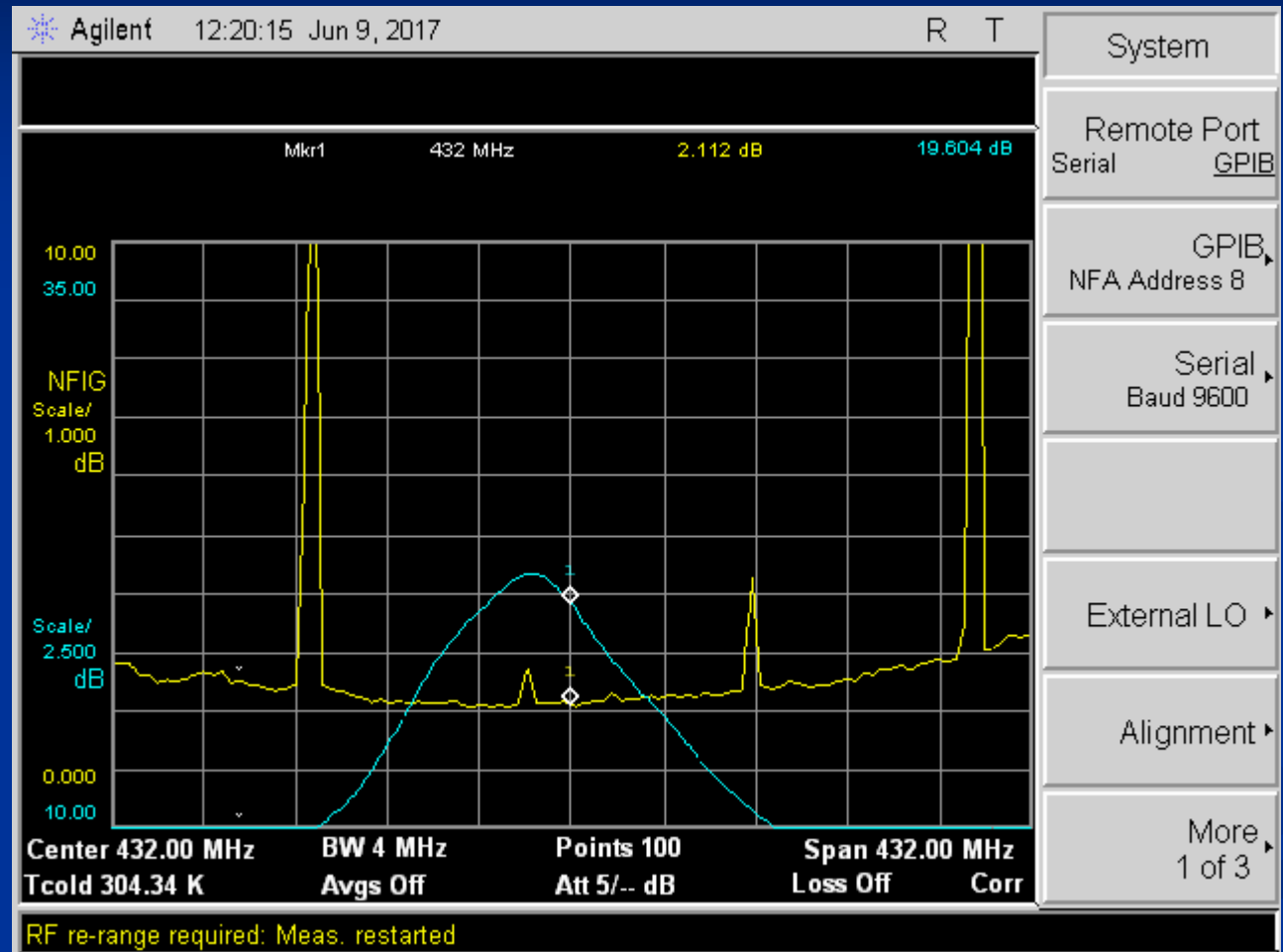
5.7 GHz

SP6GWN
by SP6GWN



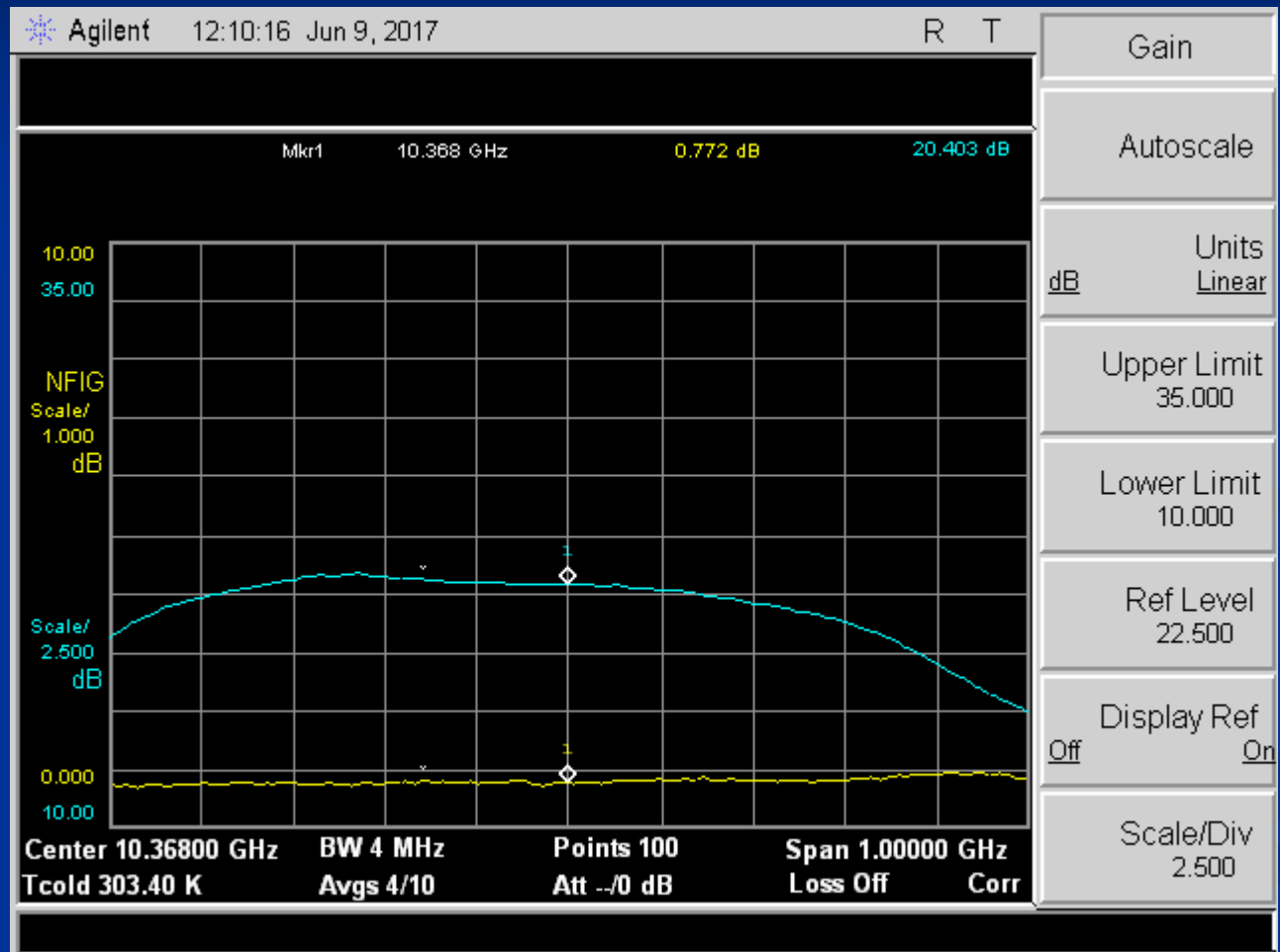
10'368 MHz

DC7YS
transverter
incl. Adapter
and SMA Relay



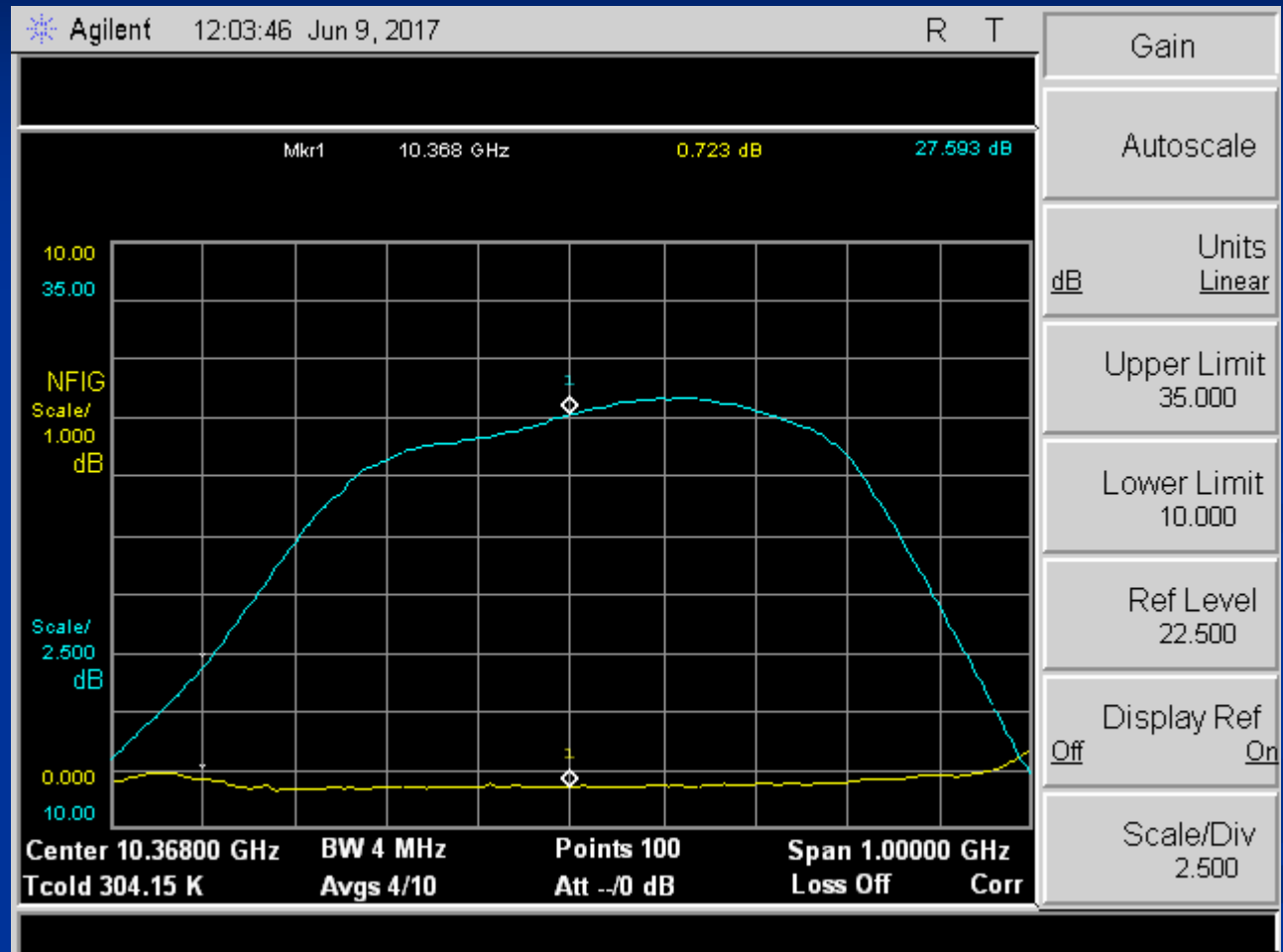
10'368 MHz

HB9BBD
F1OPA #1615



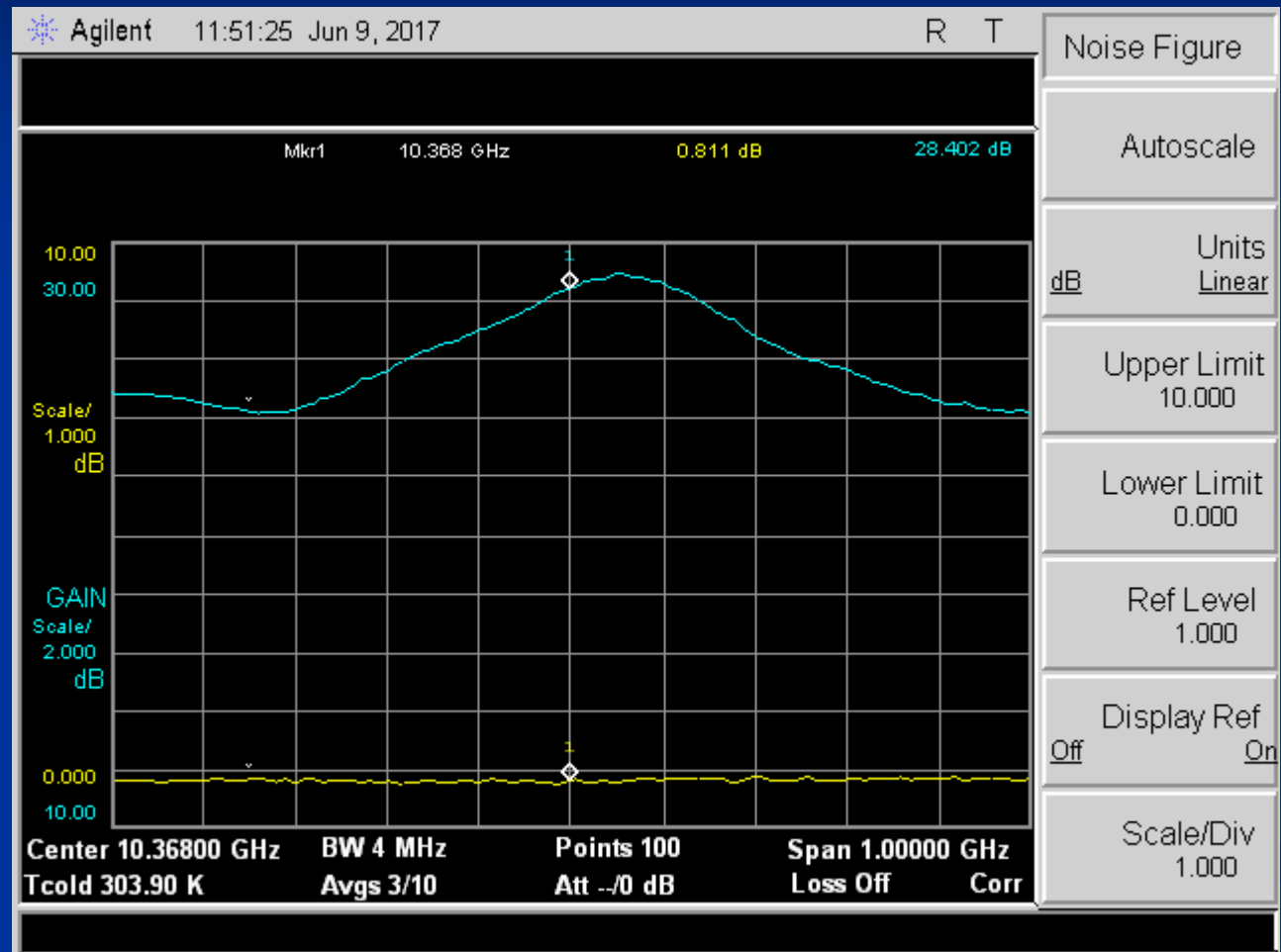
10'368 MHz

HB9BBD
DL3BPC



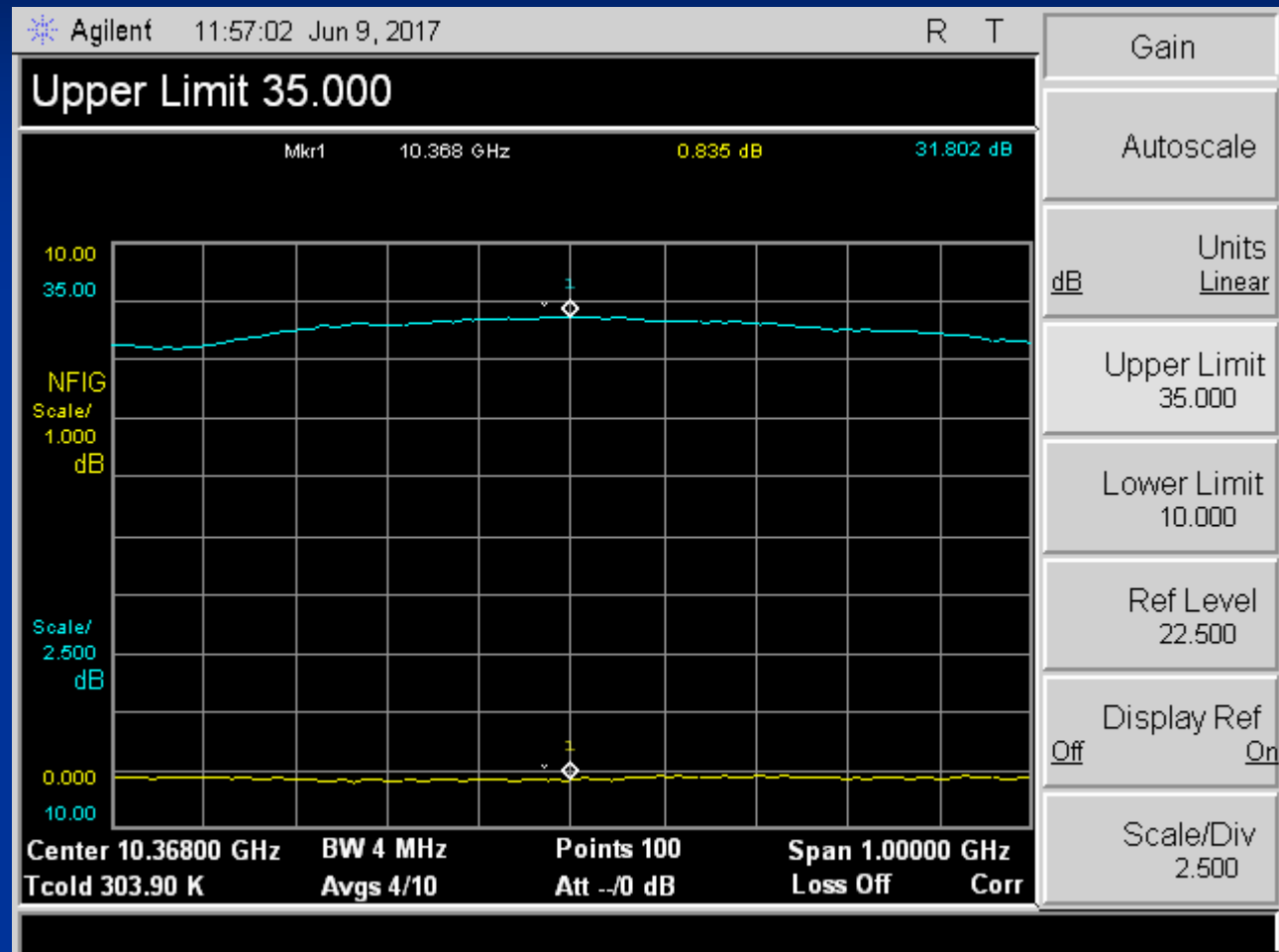
10'368 MHz

SP2HMR
1



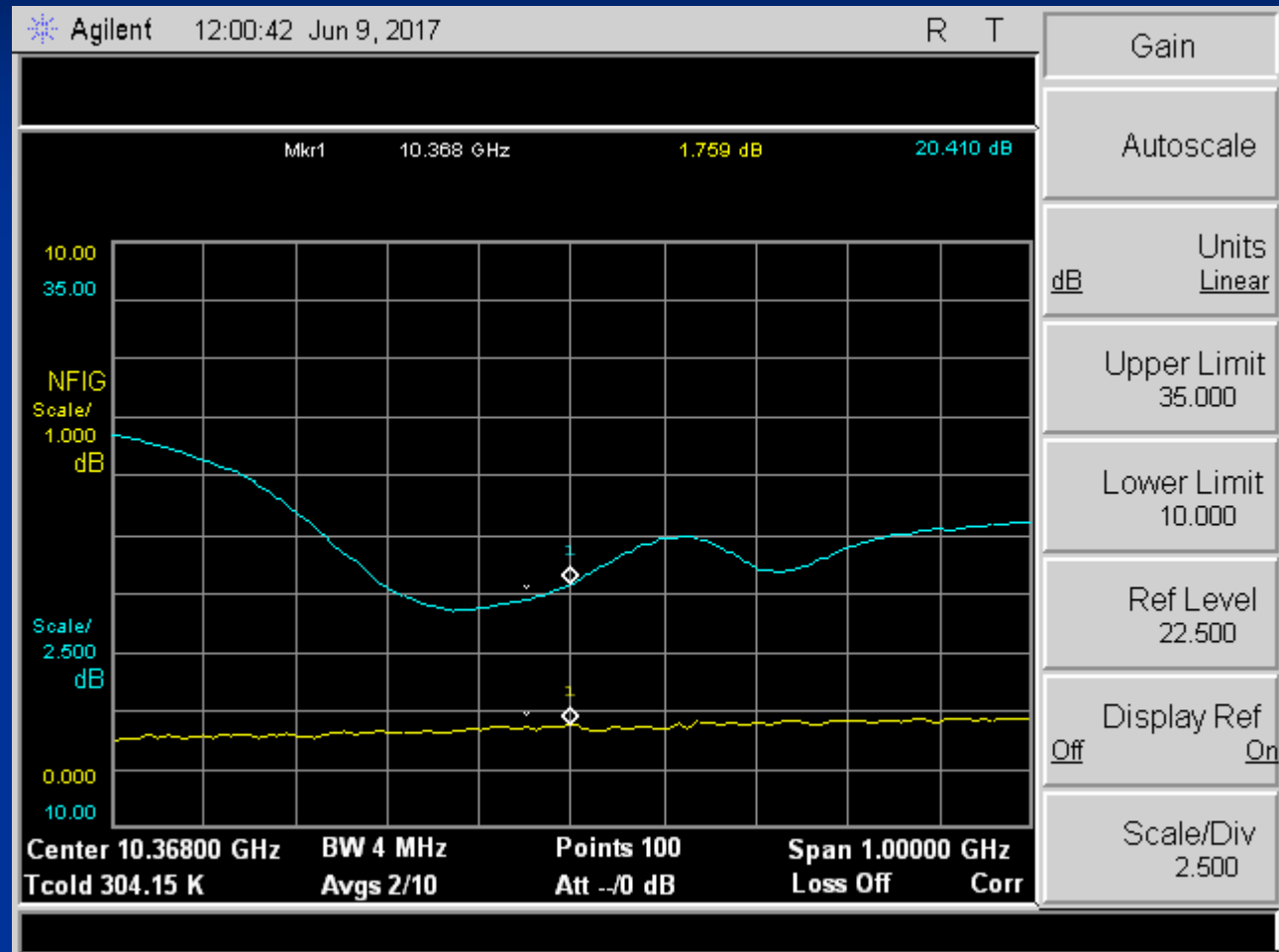
10'368 MHz

SP2HMR
2



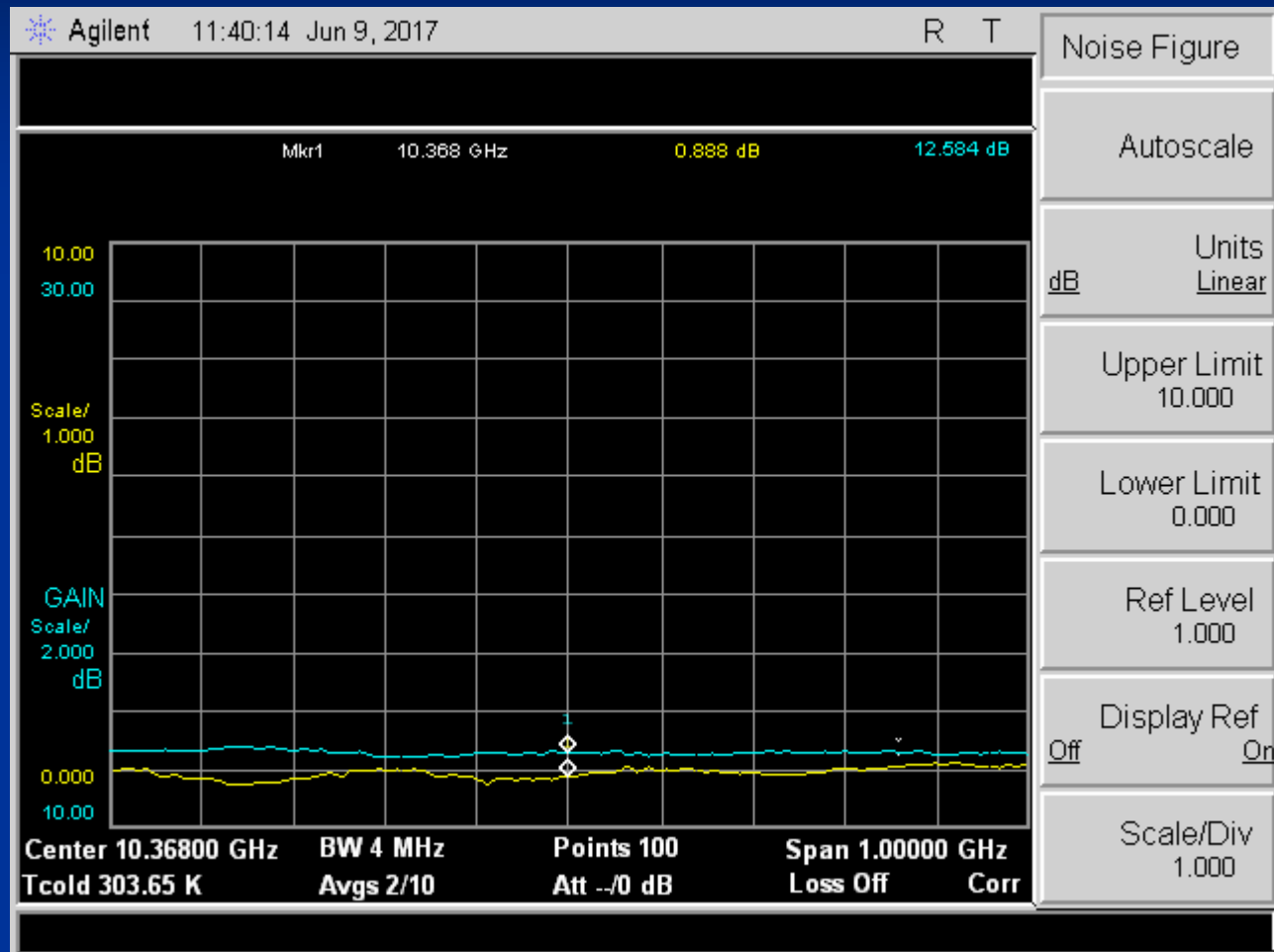
10'368 MHz

SP2HMR
3



10'368 MHz

SP9AF
„NCI“

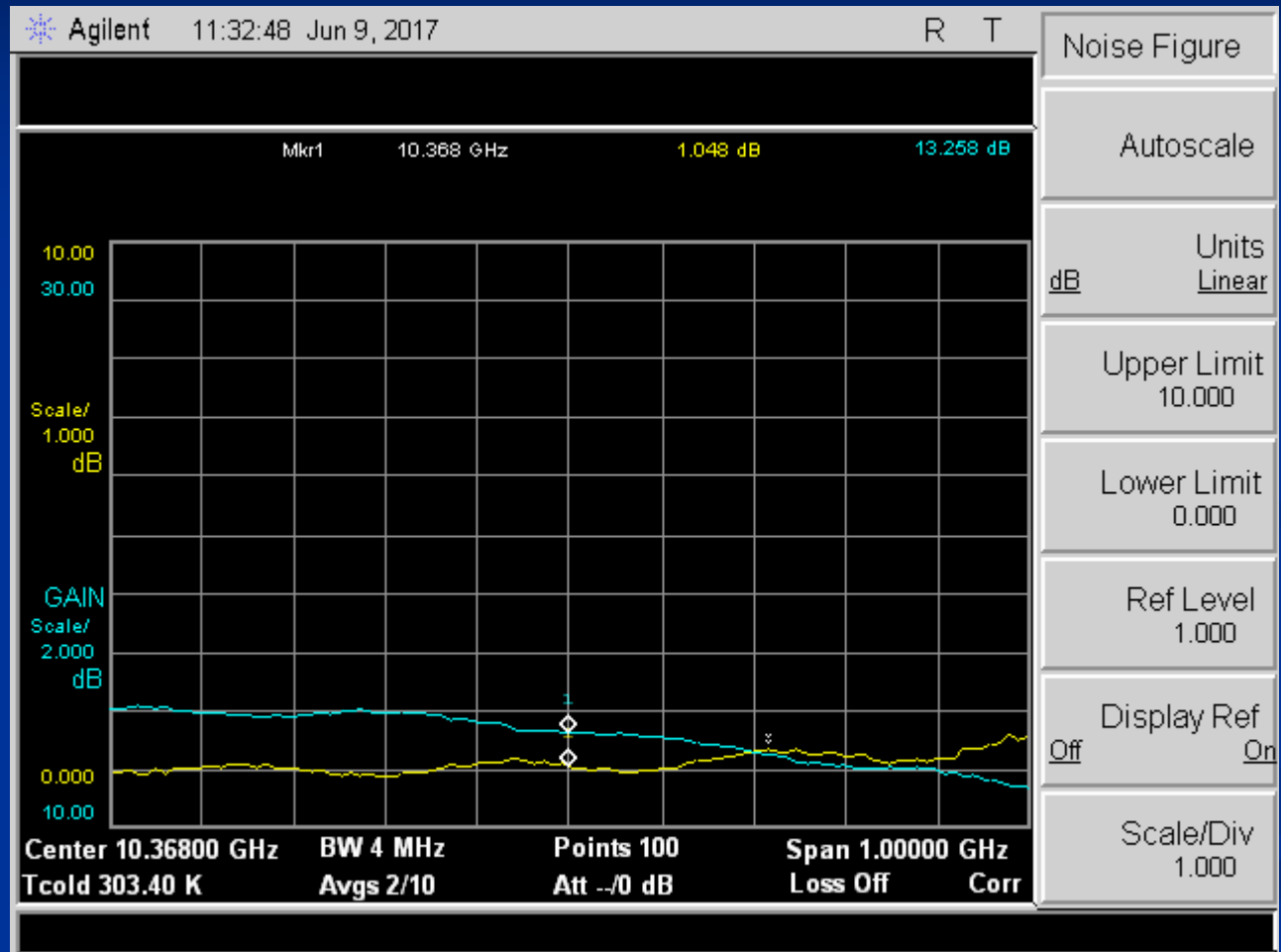


SP3IQ
by SP3IQ



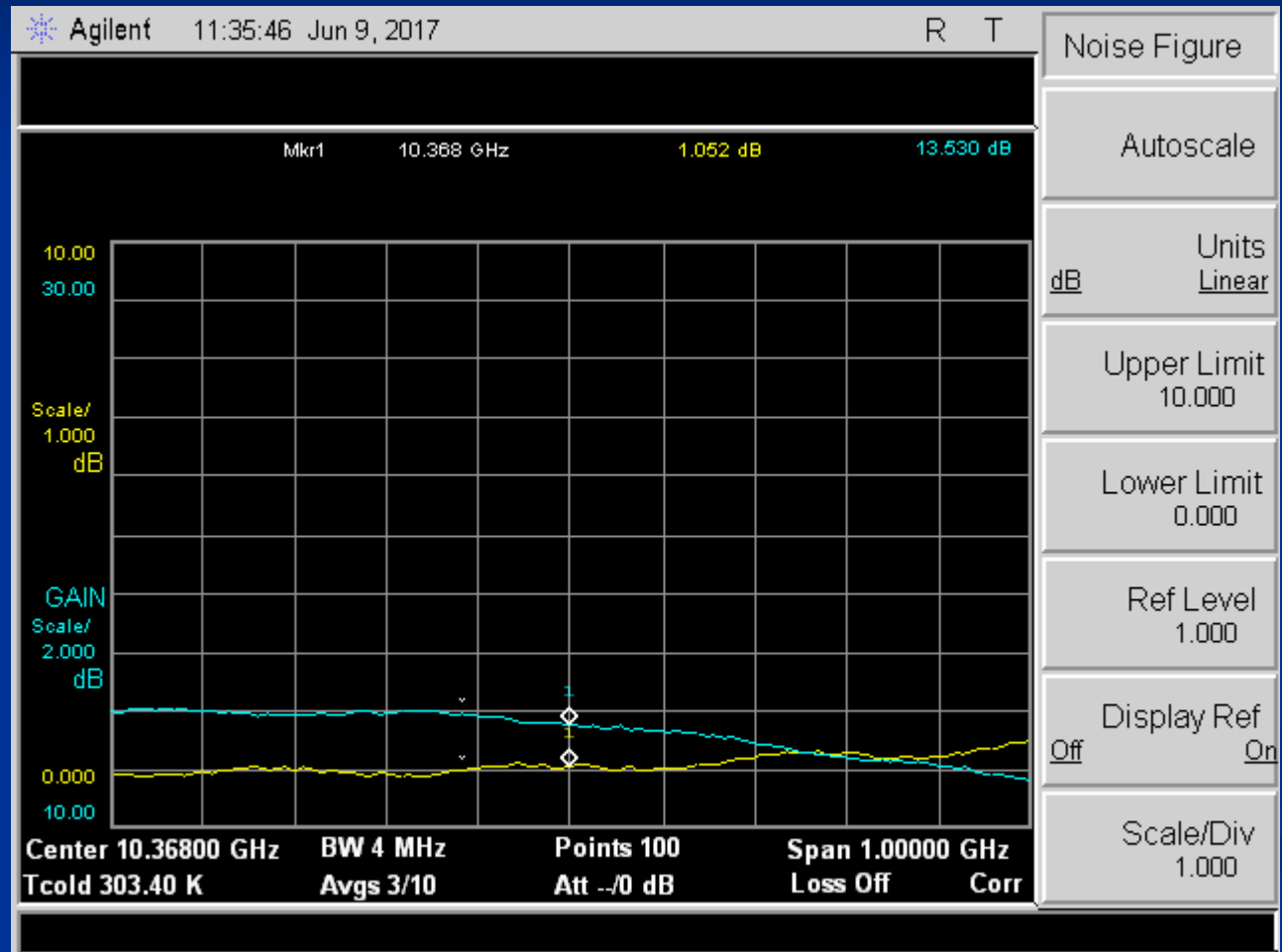
10'368 MHz

SQ9JKV #1
by SQ9JKV



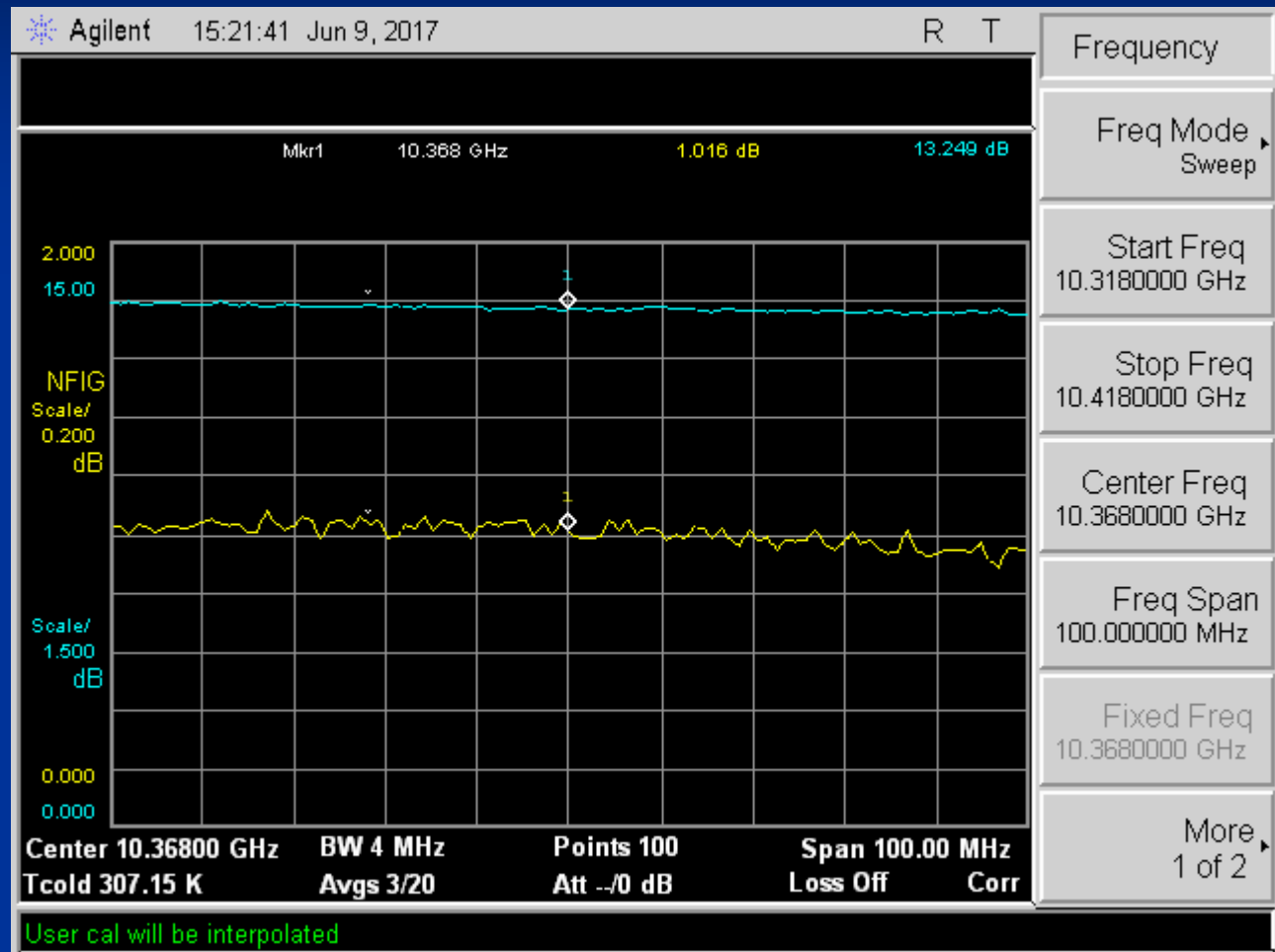
10'368 MHz

SQ9JKV #2
by SQ9JKV



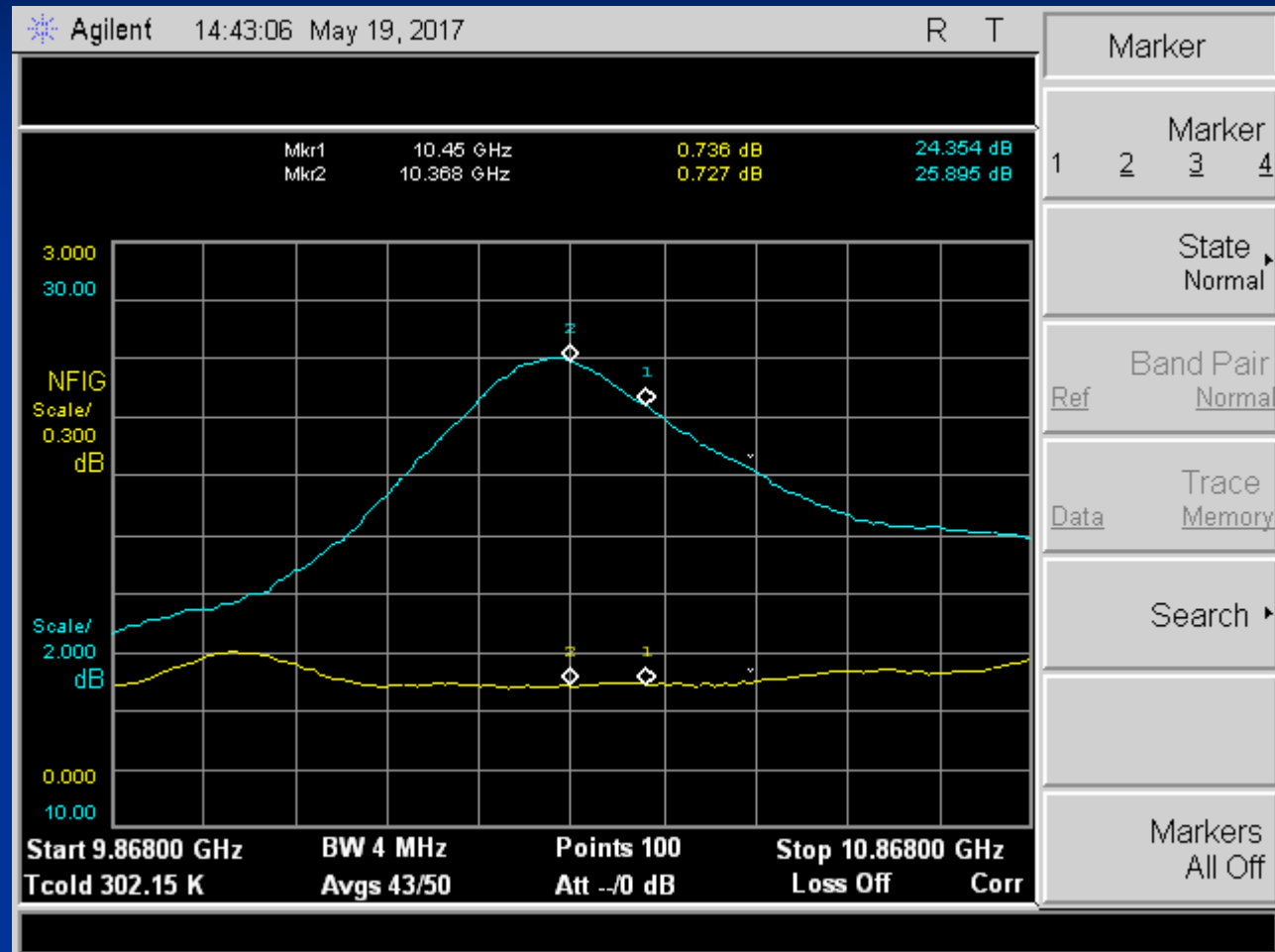
10'368 MHz

SQ9JKV #3
by SQ9JKV



10'368 MHz

HB9BBD
by HB9BBD



APPENDIX

ENR TABLES N4000A (HB9BBD)

Frequency 10.00000000 MHz

ENR Table

Noise Source Serial Number

Noise Source Model ID

Frequency	ENR Value
10.0000000 MHz	5.452 dB
100.000000 MHz	5.557 dB
1.00000000 GHz	5.423 dB
2.00000000 GHz	5.494 dB
3.00000000 GHz	5.518 dB
4.00000000 GHz	5.507 dB
5.00000000 GHz	5.469 dB
6.00000000 GHz	5.477 dB
7.00000000 GHz	5.453 dB
8.00000000 GHz	5.527 dB
9.00000000 GHz	5.566 dB
10.0000000 GHz	5.554 dB
11.0000000 GHz	5.584 dB
12.0000000 GHz	5.499 dB
13.0000000 GHz	5.595 dB

Use 'File' key to Load or Save a table.

APPENDIX

ENR TABLES N4000A (HB9BBD)

Frequency 14.00000000 GHz

ENR Table

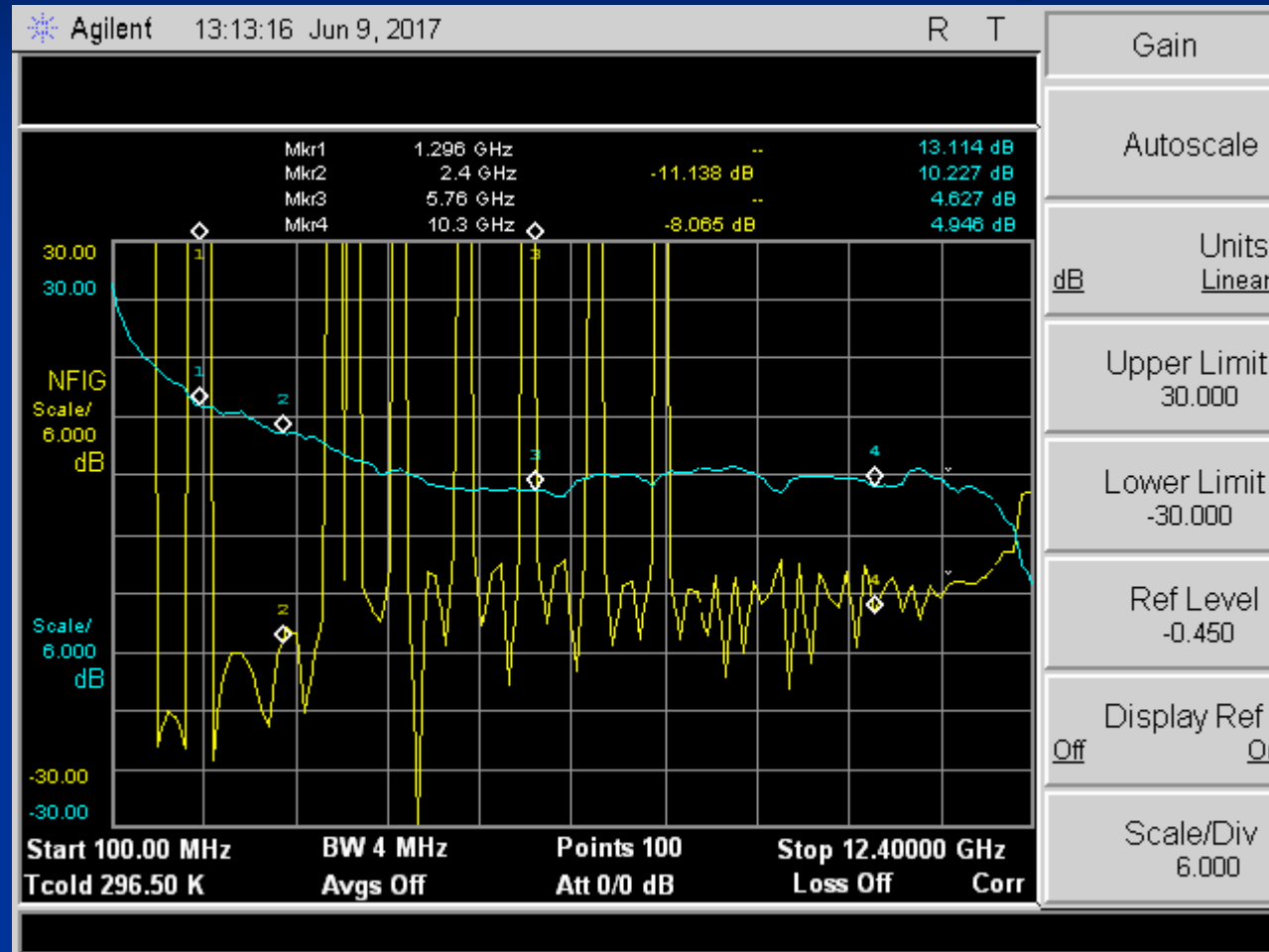
Noise Source Serial Number

Noise Source Model ID

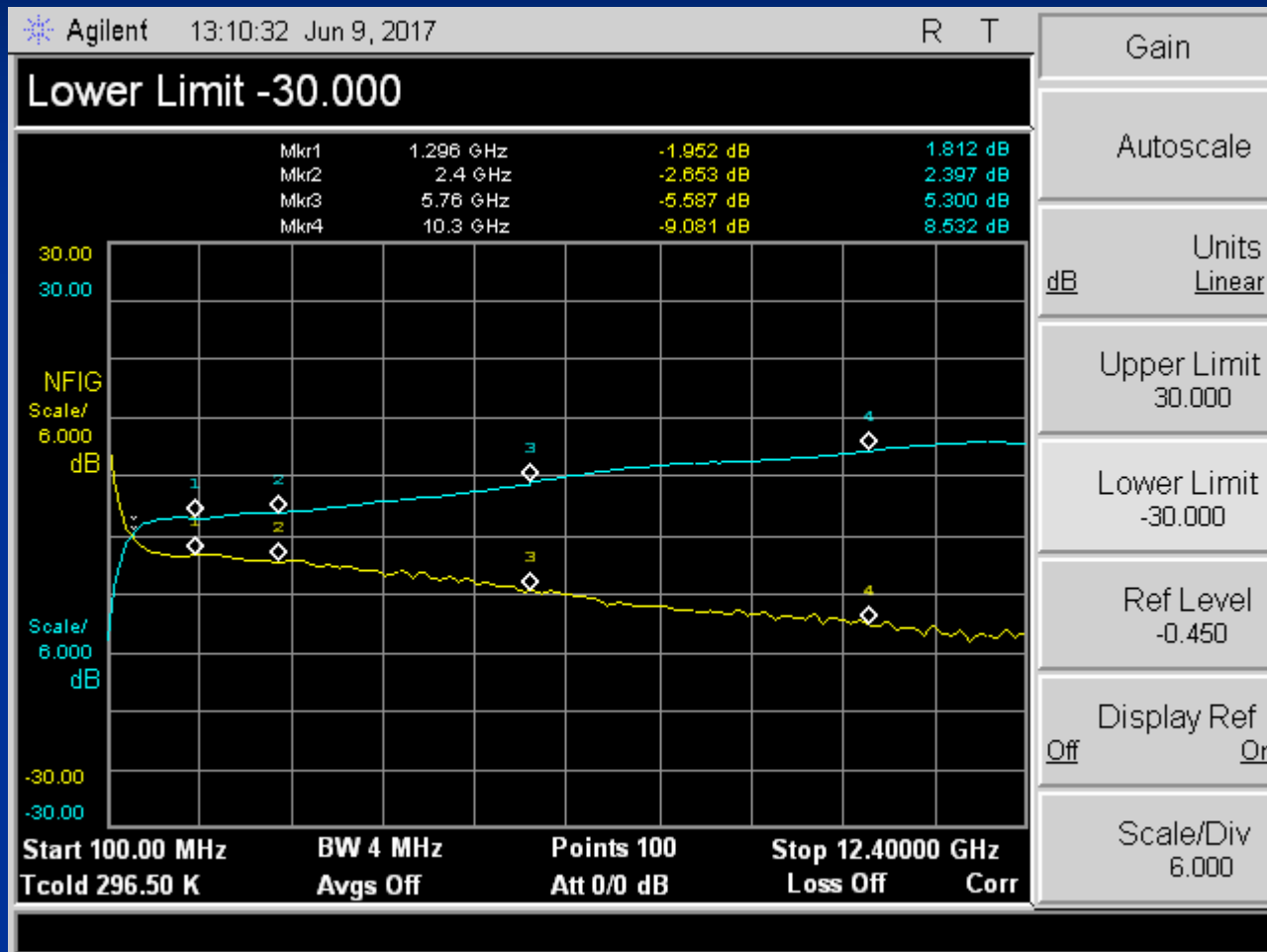
Frequency	ENR Value
100.000000 MHz	5.557 dB
1.00000000 GHz	5.423 dB
2.00000000 GHz	5.494 dB
3.00000000 GHz	5.518 dB
4.00000000 GHz	5.507 dB
5.00000000 GHz	5.469 dB
6.00000000 GHz	5.477 dB
7.00000000 GHz	5.453 dB
8.00000000 GHz	5.527 dB
9.00000000 GHz	5.566 dB
10.0000000 GHz	5.554 dB
11.0000000 GHz	5.584 dB
12.0000000 GHz	5.499 dB
13.0000000 GHz	5.595 dB
14.0000000 GHz	5.529 dB

Use 'File' key to Load or Save a table.

NOISE-HEADS: SP3JBI

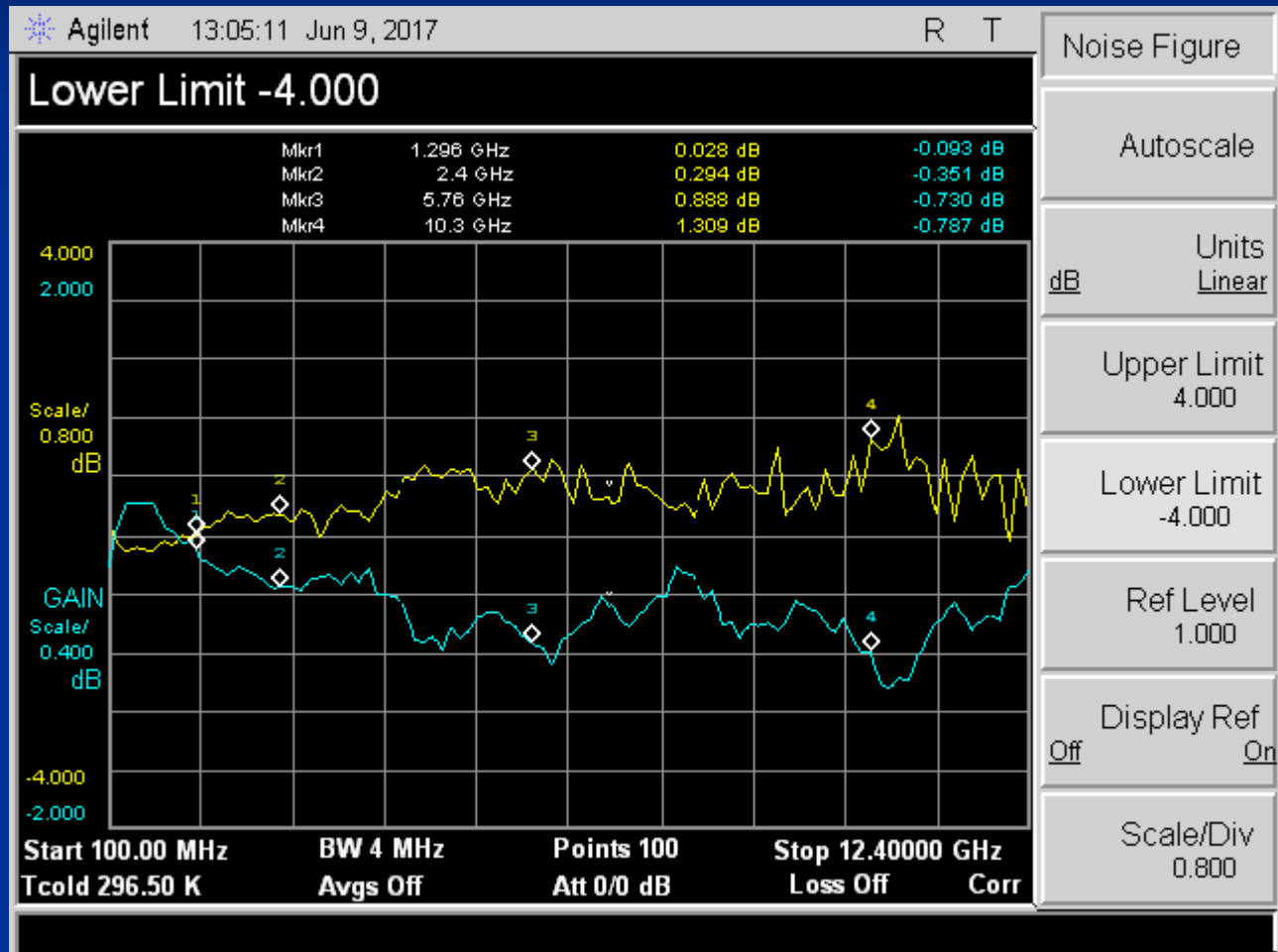


NOISE-HEADS: SP9AF

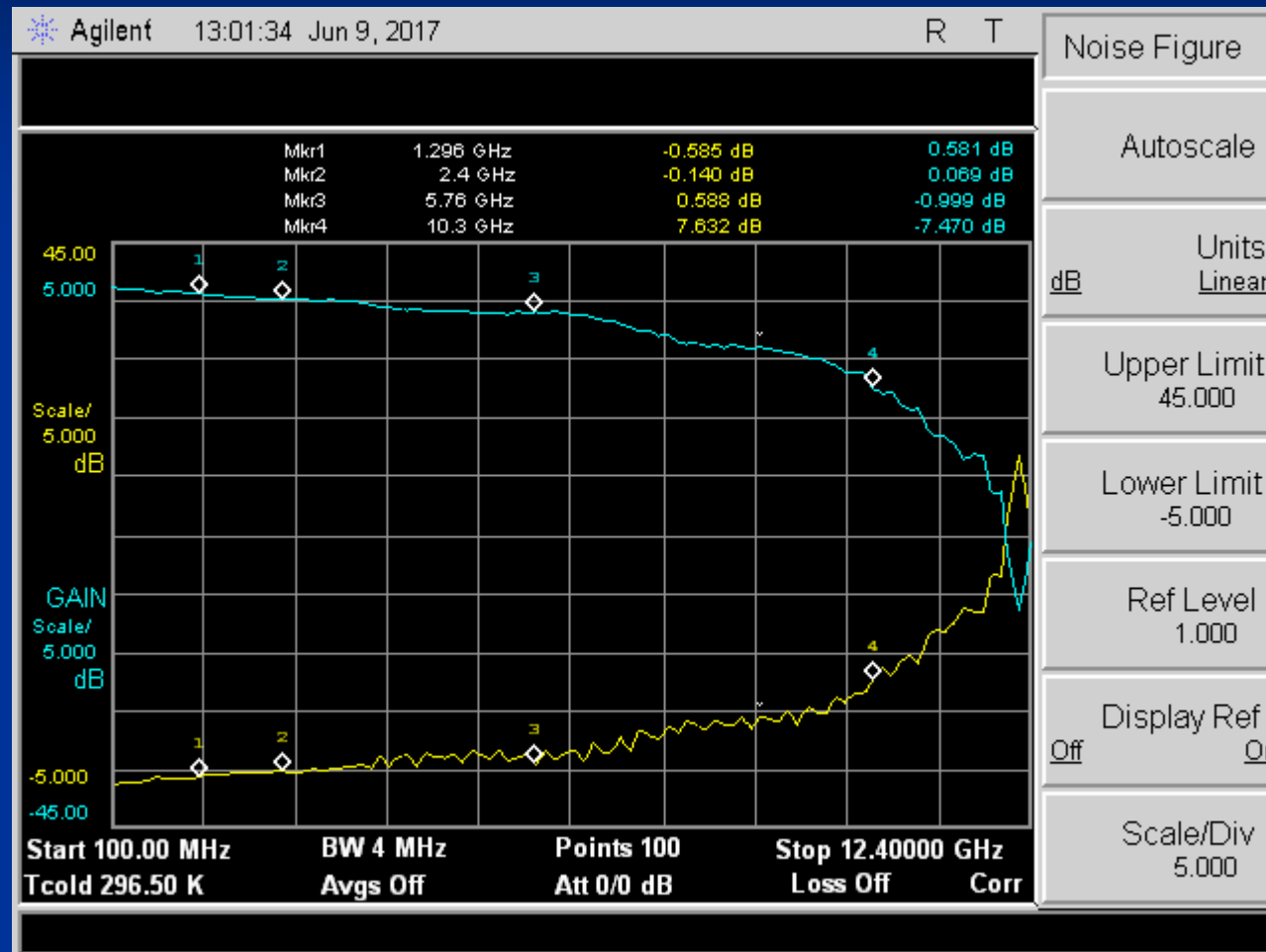


NOISE-HEADS: SP9AF

■ „MSC“



NOISE-HEADS: SP3MY



Questions ?

