Results of NF-Measurements

and

Noise-Head ENR

Thanks to my 2nd-Operator, EDDY, ON7UN

Our notes on 144 MHz LNAs

OWNER	MADE BY	#	NF	GAIN	REMARKS
SM3JQU	I0JXX		0.52	25	
SM2CEW			0.62	24.5	BROADBAND LNA

Our notes on 432 MHz LNAs

OWNER	MADE BY	#	NF	GAIN	REMARKS
SM7THS	VHF D		0.67	18.4	
SM2CEW			0.79	21	BROADBAND LNA

Our notes on 1296 MHz LNAs

OWNER	MADE BY	#	NF	GAIN	REMARKS
SM4GGC	DDK		0.64	36	
SM3JQU	DDK		0.27	40	
SM6PGP			0.32	37	
ON7UN	HB9BBD		0.15	42	
HB9BBD	HB9BBD		0.15	42	
PA7JB	VHF D		0.38	34	
KL6M	W7CNK		0.32	34	
KL6M	HB9BBD		0.2	42,6	
SM2CEW	SM2CEW		0.88	12	BROADBAND

Our notes on 2400 MHz LNAs

OWNER	MADE BY	#	NF	GAIN	REMARKS
SM3JQU	DDK		0.39	26	
WB2BYP	WD5AGO		0.52	27	
SM6PGP			0.45	26	
SM2CEW			NO	NO	BROADBAND

Our notes on 3,4 GHz LNAs

OWNER	MADE BY	#	NF	GAIN	REMARKS
WA9FWB	HARRIS		5.4	15	
KL6M - 1			0.86	11	
KL6M - 2			0.61	14	

Our notes on 5,7 GHz LNAs

OWNER	MADE BY	#	NF	GAIN	REMARKS
SM3JQU	DB6NT		0.84	28	
SM6PQP			0.73	20	
KL6M - 1	HARRIS		1	28	
KL6M - 2			0.86	13	
KLM - 3			0.8	8.7	
KL6M - 4			0.81	13	
WA9FWB			5.8	10.6	
PA2DW	CHINESE		NO	NO	

Our notes on 10 GHz LNAs

OWNER	MADE BY	#	NF	GAIN	REMARKS
WB2BYP	DU2		0.81	26	INCL ADAPTOR 0.1DB
HB9BBD	HB9BBD		0.76	22	INCL ADAPTOR 0.1DB
KL6M - 1	HARRIS		1.26	20.6	
KL6M - 2			2.14	17	
WB9FWB			2.2	23.6	WIDEBAND
SM6PGP	W6PY		0.86	20.6	
SM2CEW -1	TVRO		1.36	21	INCL ADAPTOR 0.1DB
SM2CEW-2	TVRO		1.05	21	INCL ADAPTOR 0.1DB

Quantitative Summary

144 MHz		2
432 MHz		2
1296 MHZ		9
2.3 GHz		4
3.4 GHz		3
5.7 GHz		8
10 GHz		8
Total LNA		36
Noise Heads		17

Noise-Sources

I will hand out all Graphs to Peter, SM2CEW for distribution.
Please refer to him for your documented noise head

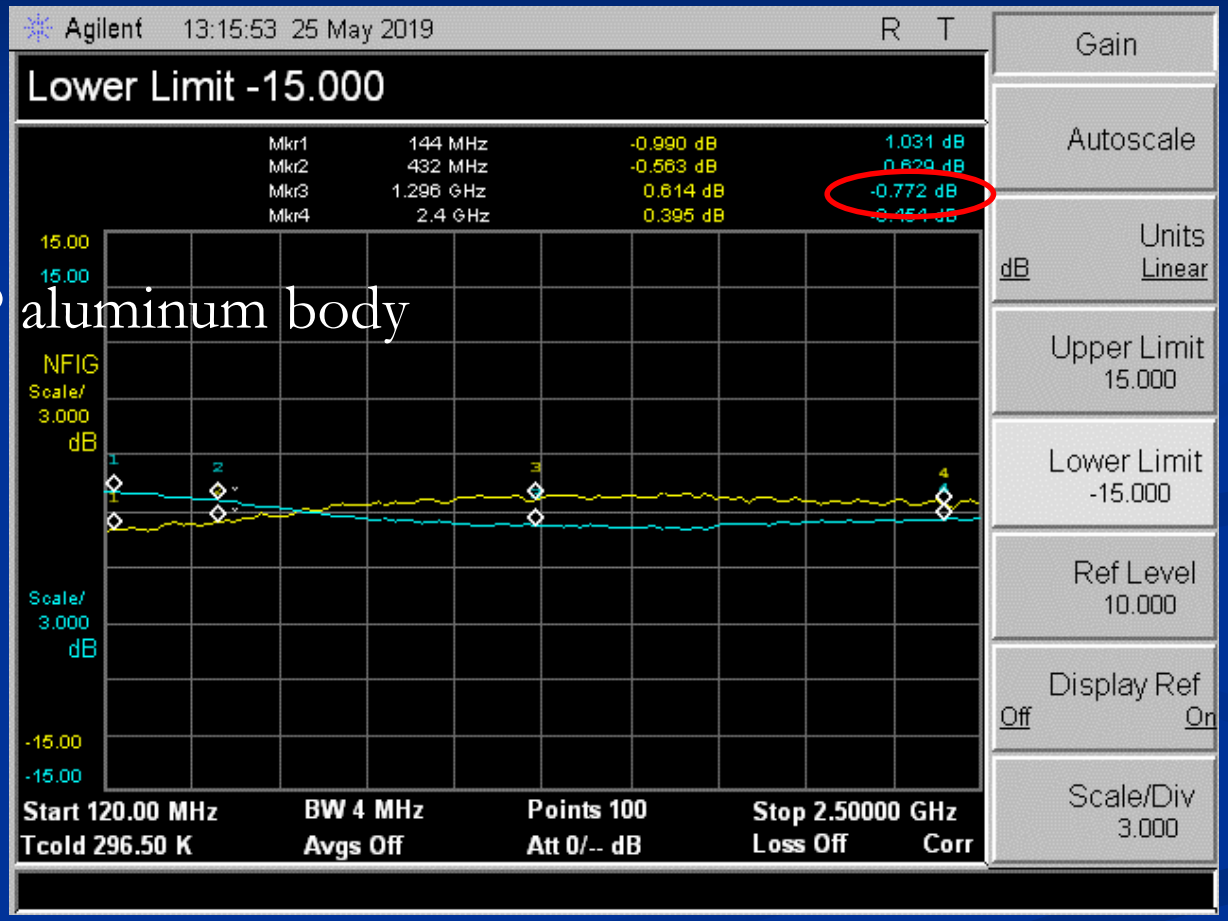
A good noise source has an ENR with little ripple and
a flat pattern. Please consider the blue curve as a reference
for the ENR calculation

How to calculate your ENR?
Add to the value of your Noise-Source shown e.g. @1296 MHz (0.772) to the ENR of my SNS Noise-Head @1296 MHz (interpolation!) 5.551 + 0.772 = 6.323
The result is the calibrated ENR of your Noise-Head

Noise-Sources Low Bands

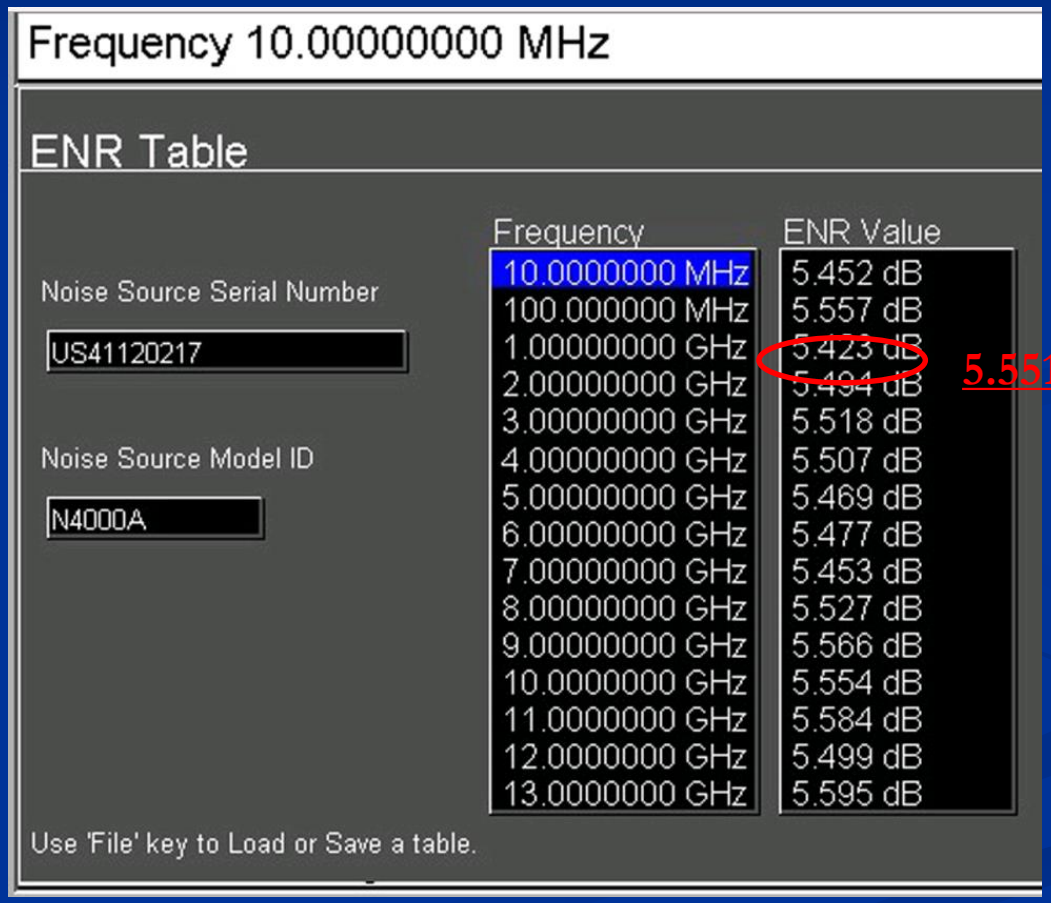
Example

SM7GEP aluminum body



The Graphs..

ENR Reference to calculate your ENR:



5.551@1296MHz

The Graphs..

ENR Reference to calculate your ENR: