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Change Record

Version	Date	Author	Affected Section(s)	Reason
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I Introduction

I.1 Purpose

I.2 Scope

I.3 Verb Convention

“Must” for an obligation; “must not” for a prohibition.

“May” for a discretionary action; “should” for a recommendation.

“Will” is used to indicate a future happening/action.

2 Related Documents and Drawings

2.1 Applicable Documents

The following documents may not be directly referenced herein, but may provide necessary context or supporting material.

Ref. No.	Document Title	Rev/Doc. No.
AD01	Desiderata for Solar Observing with the EVLA	EVLAM_70
AD02	EVLA Hardware Modifications in Support of Solar Observing	EVLAM_72

2.2 Reference Documents

The following documents are referenced within this text:

Ref. No.	Document Title	Rev/Doc. No.
RD01	Solar Brightness Temperature and Corresponding Antenna Noise Temperature at Microwave Frequencies	Online
RD02	Antenna Engineering Handbook	DSOC Bookcase
RD03	Tools of Radio Astronomy	Privately Owned
RD04	X-Band System Performance of the Very Large Array	Online
RD05	10-60 GHz G/T Measurements Using the Sun as a Source—A Preliminary Study	Online

3 Section title

Section text here

3.1 Subsection

Subsection text here

(1) List item

(2) List item

3.2 Subsection

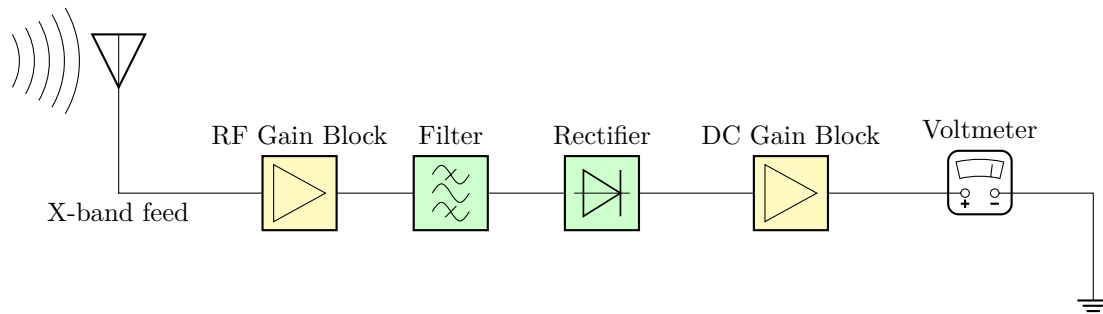


Figure 1: Block diagram.

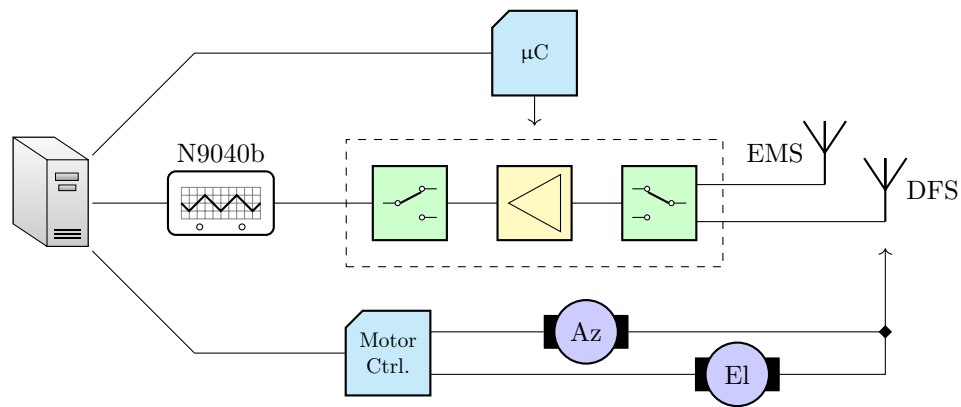


Figure 2: Block diagram 2.

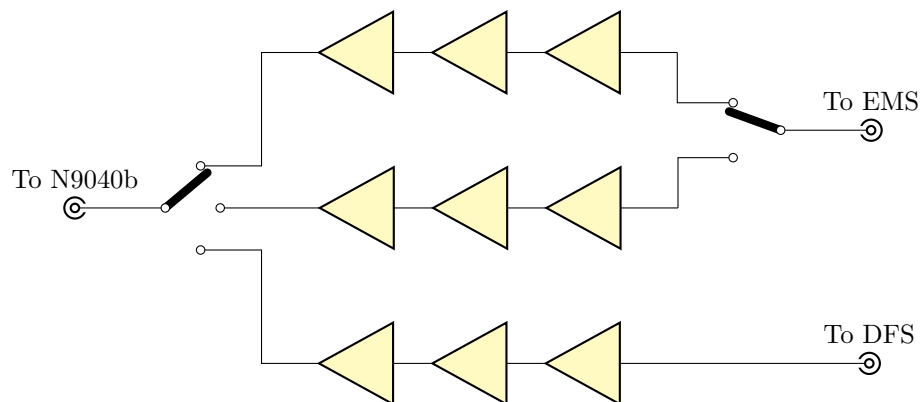


Figure 3: Block diagram 3.

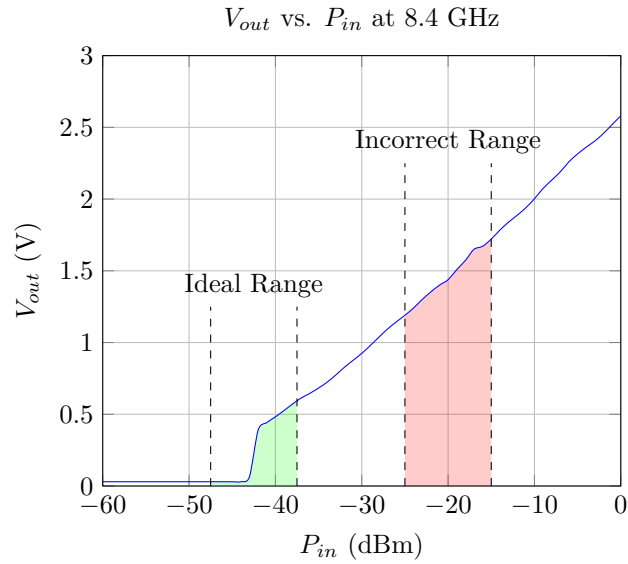


Figure 4: Graph from imported data

4 Section title

4.1 Subsection

Example equation below

$$\begin{aligned} P_R &= P_{sun} + P_{noise} \\ P_R &= SA_e \Delta f + k_B T \Delta f \end{aligned} \tag{I}$$

where: S is the source flux density in $\text{W m}^{-2} \text{Hz}^{-1}$,
 A_e is the effective aperture area in m^2
 Δf is the receiver bandwidth in Hz,
 k_B is the Boltzmann constant in J K^{-1} , and
 T is the system noise temperature in K.

Example table below

	S_{\min}	S_{μ}	S_{\max}
2.8 GHz	70 SFU	150 SFU	280 SFU
8.8 GHz	152 SFU	326 SFU	608 SFU

Table 1: Solar Flux Density S at 8.8 GHz and 2.8 GHz