

Protocol of RF Detector Calibration

IAP RAS

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1 Measurement equipment

1. Microwave generator: Rigol DSG830
2. Spectrum analyzer: Rigol RSA5065N
3. Oscilloscope: Tektronix MD034

2 Parameters

Parameters from DetCal application settings file.

RF frequencies	2000 to 2900 MHz [3]
RF levels	-10.0 to 15.0 dBm [52]
SPAN wide	1000 kHz
SPAN narrow	100 kHz
RBW wide	10 kHz
RBW narrow	1 kHz
VBW wide	10 kHz
VBW narrow	1 kHz
REF level	14.0 dBm
SWEEP points	1001
SWEEP time	AUTO ON
Precise	True
HOR scale	10 ms/div
High res	True
Impedance 50Ohm	False
Coupling DC	True
Channel	4
Recalc atten	True

Table 1: Measurement parameters

3 Results

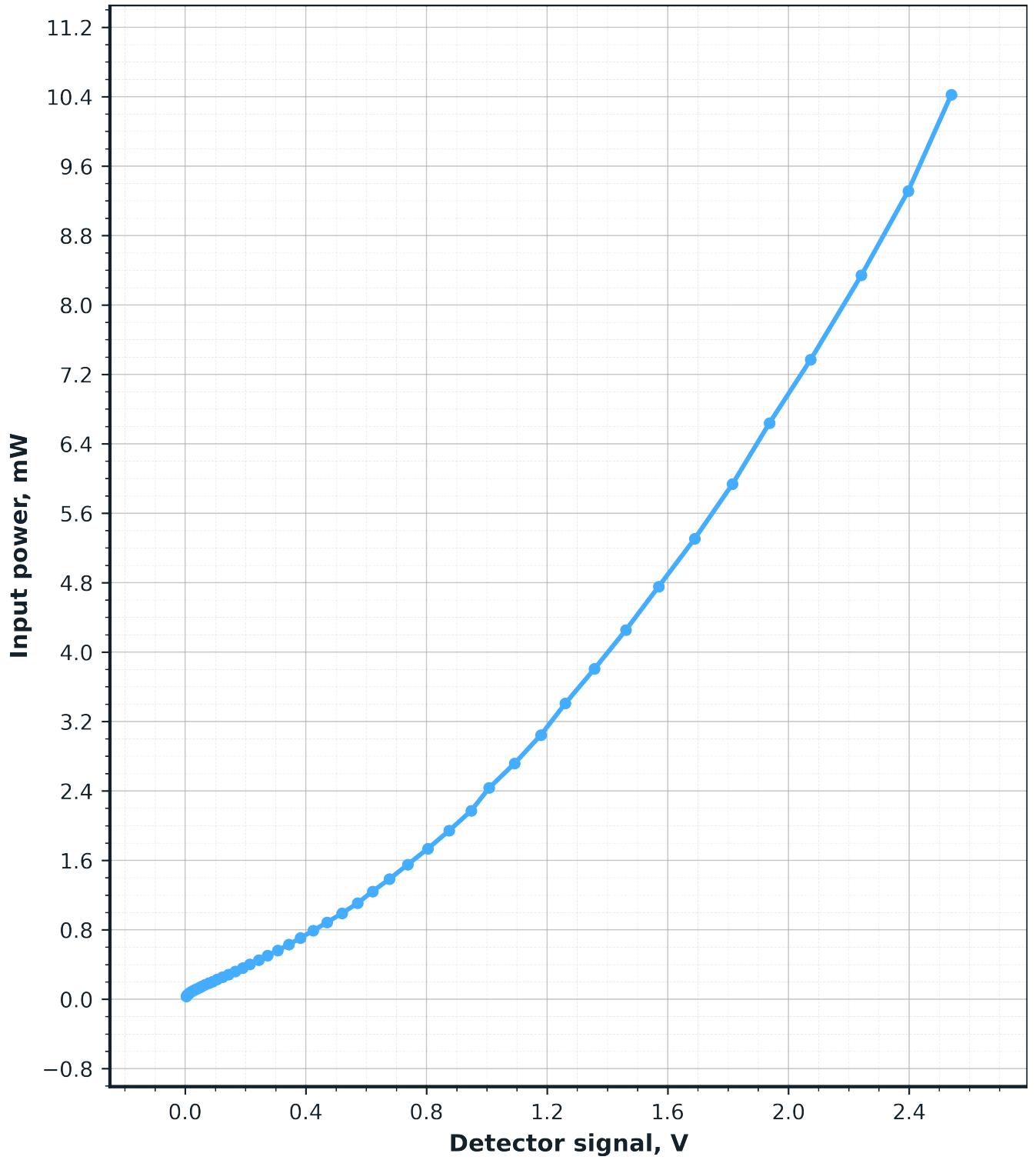


Figure 1: Detector response at 2450 MHz

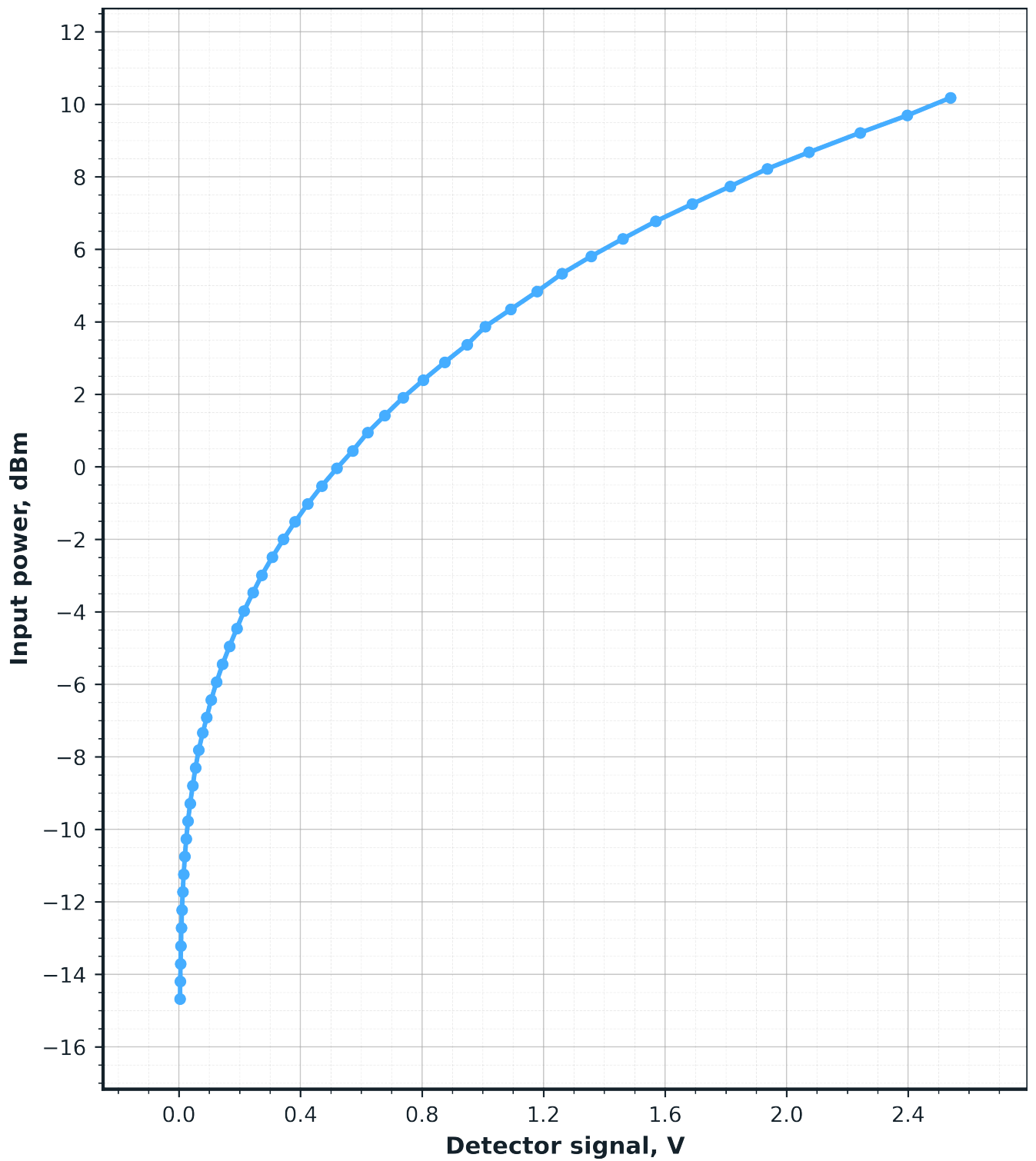


Figure 2: Detector response at 2450 MHz