

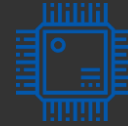


AM62L EVM

REV E1-1

Power Sequence (RTC Only)

Date: June 5, 2025



ISO 9001:2015 | ISO 14001:2015 | ISO 27001:2013 | ISO 45001:2018 | AS9100D

TPL-Ver-2.02

TPL_103_PROP

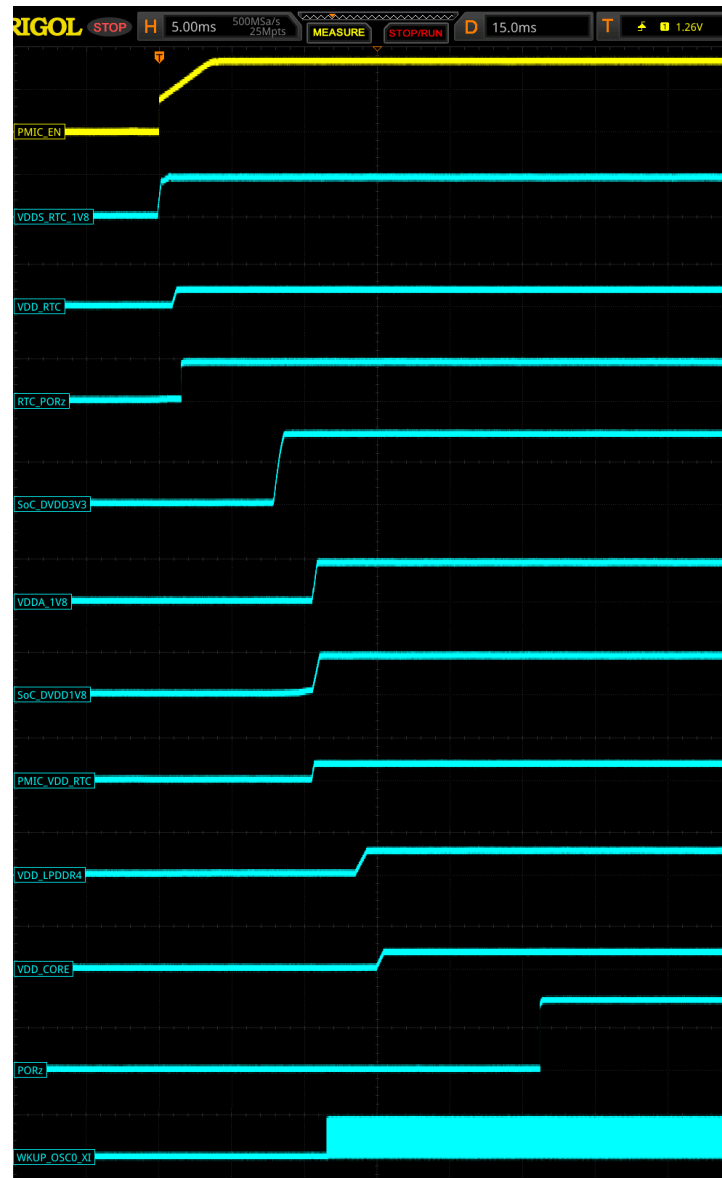
AM62L EVM

REV E1-1

Power Up Sequence

RTC Only Mode

RTC Only Mode - Power up sequence

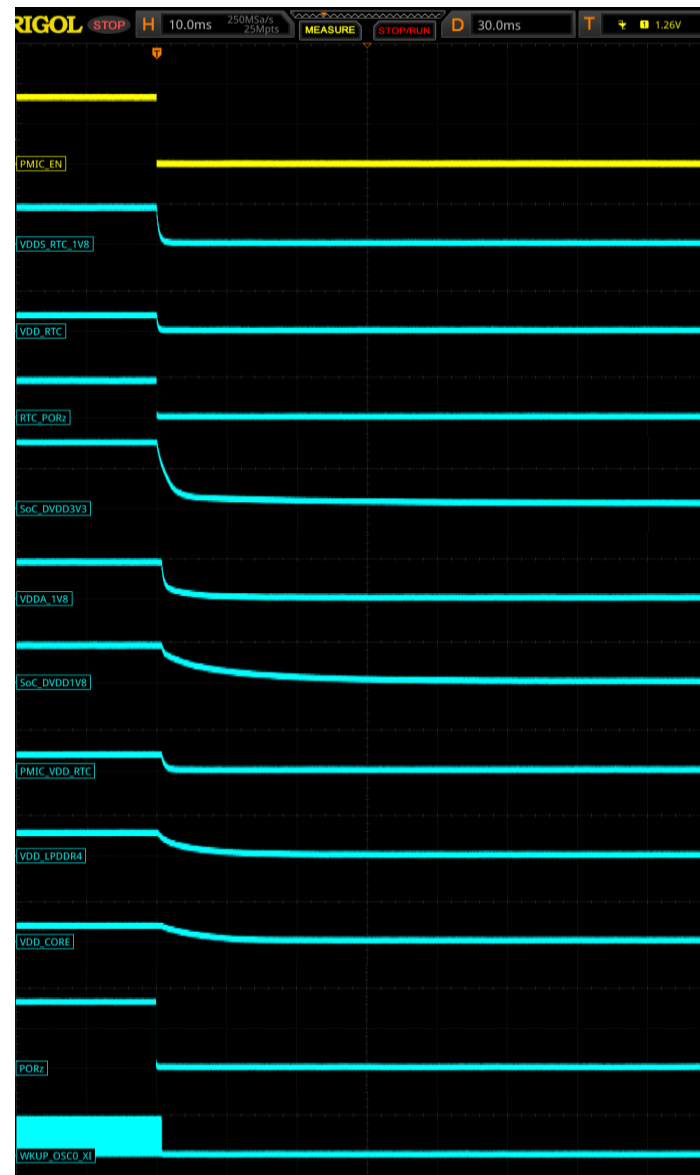


Power Up Sequence Timing Measurements

Power Rail	Voltage (V)	Elapsed Time (ms)
RTC Only Mode (With PMIC_EN Rework)		
PMIC_EN	3.3	0
VDDS_RTC_1V8	1.8	-0.1
VDD_RTC	0.75	0.9
RTC_PORz (Reset)	1.8	1.5
SoC_DVDD3V3	3.3	7.85
VDDA_1V8	1.8	10.5
SoC_DVDD1V8	1.8	10.5
PMIC_VDD_RTC	0.75	10.5
VDD_LPDDR4	1.1	13.5
VDD_CORE	0.75	14.95
PORz	3.3	26.2
WKUP_OSC0_XI	1.8	11.55

**AM62L EVM
REV E1-1
Power Down Sequence
(Uncontrolled)
RTC Only Mode**

RTC Only Mode – Power down sequence



Power Down Sequence Timing Measurements

Power Rail	Voltage (V)	Elapsed Time (ms)
RTC Only Mode (With PMIC_EN Rework)		
PMIC_EN	3.3	0
VDDS_RTC_1V8	1.8	0
VDD_RTC	0.75	0
RTC_PORz (Reset)	1.8	0
SoC_DVDD3V3	3.3	0
VDDA_1V8	1.8	0.7
SoC_DVDD1V8	1.8	0.7
PMIC_VDD_RTC	0.75	0.7
VDD_LPDDR4	1.1	0.3
VDD_CORE	0.75	0.9
PORz	3.3	0
WKUP_OSC0_XI	1.8	0.7



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