

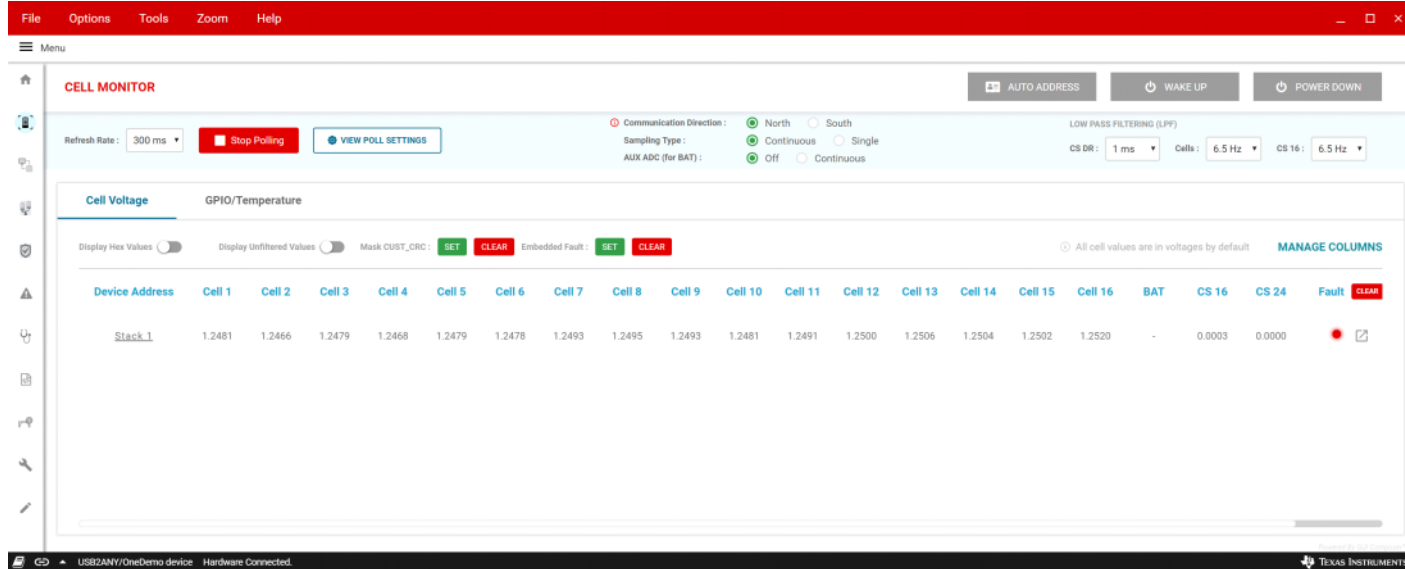
# 2022-03-18 BQ796xx Test 2

Friday, 18 March 2022 11:17 AM

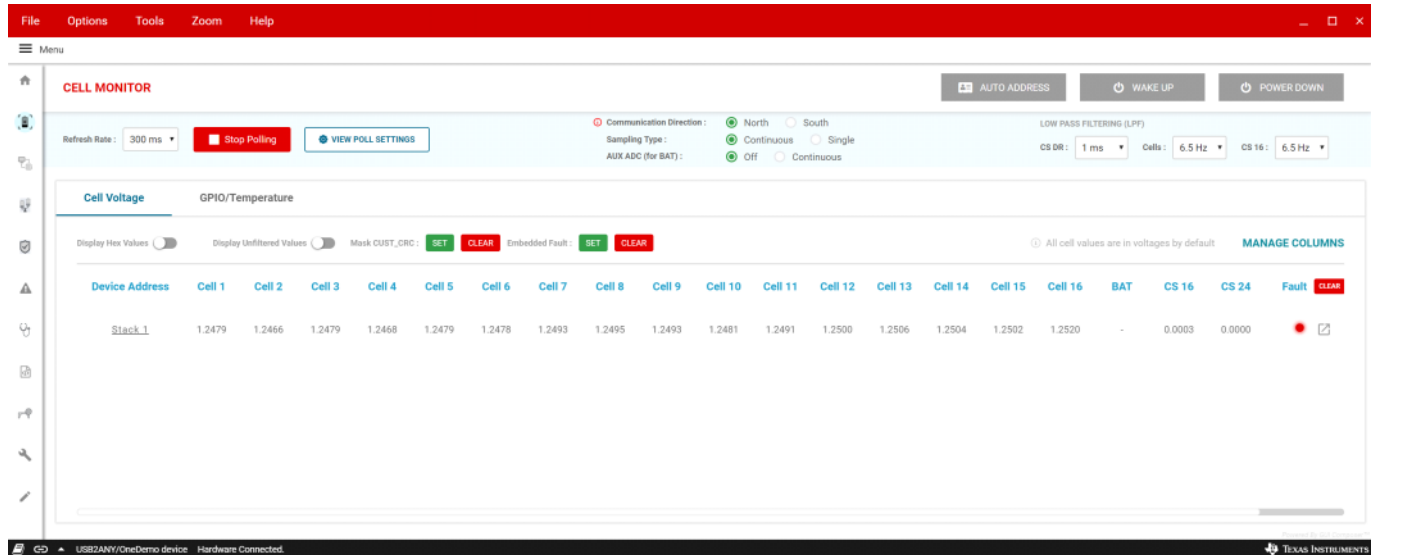
Checking function when connecting modules

USB2ANY - BQ79600EVM: USB2ANY wakes up, can't auto address anything, Power down works

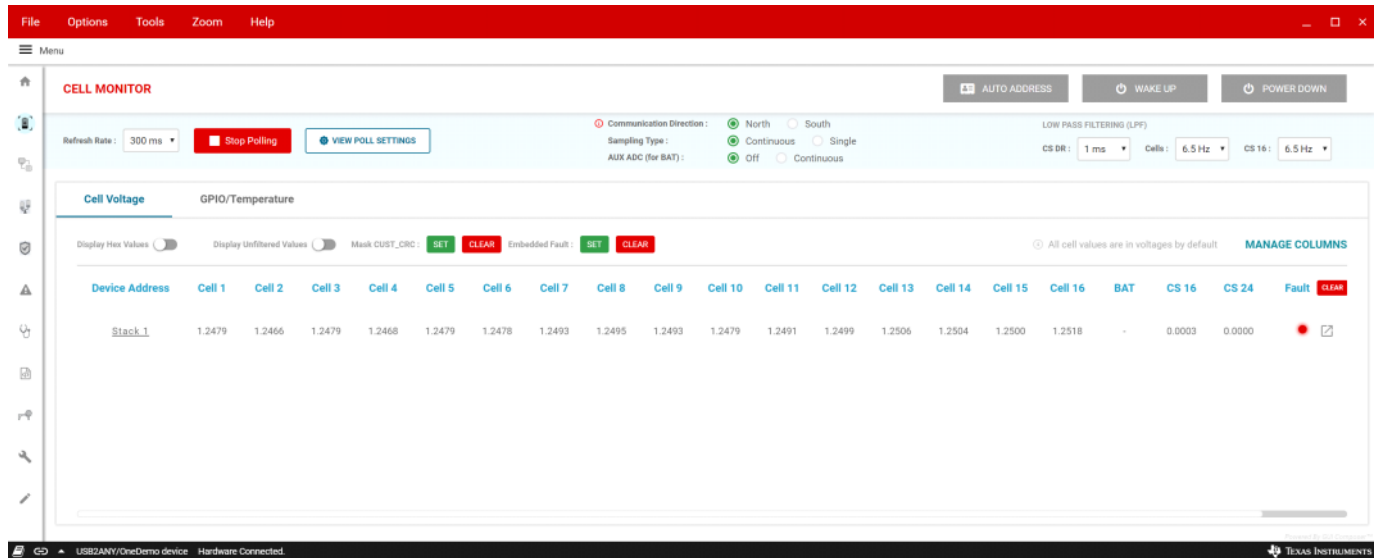
USB2ANY- BQ79600EVM, BQ79600EVM COMH - BQ79656EVM COML: Both wake up, auto address works, polling works, power down works



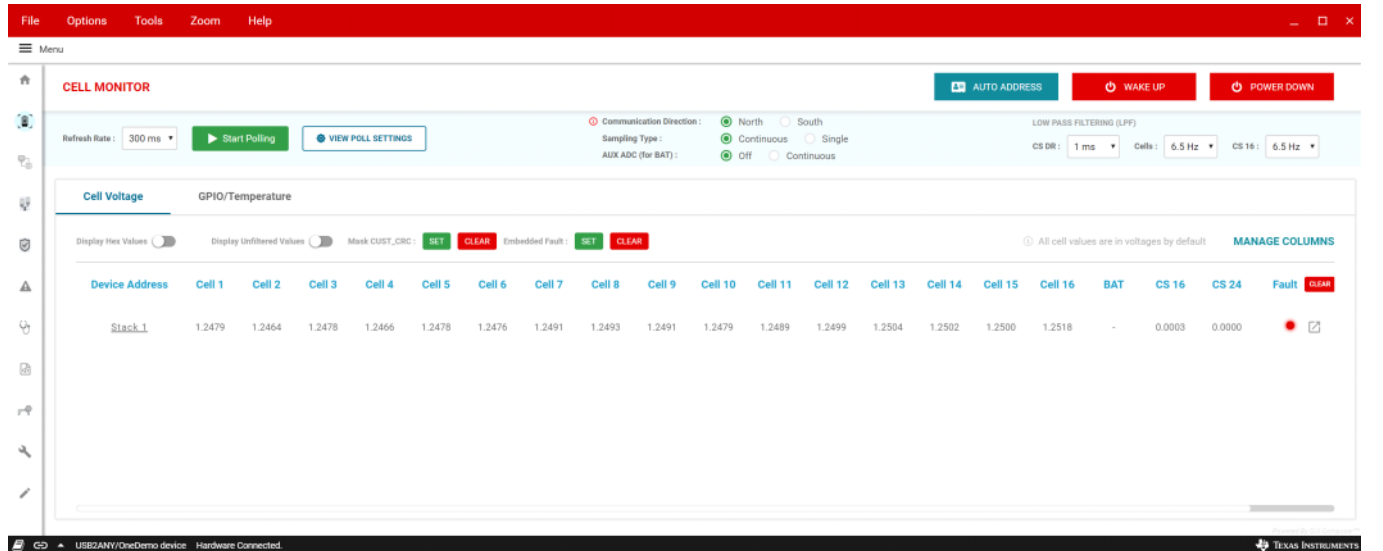
USB2ANY- BQ79600EVM, BQ79600EVM COMH - BQ79656EVM COML, BQ79656EVM COMH - BMM COML: Wake up works on all, Auto address only shows single stack, Polling work only on BQ79656EVM (confirmed by toggling S1, S2 switches), Power down works on BQ79600EVM and BQ79656EVM but not BMM.



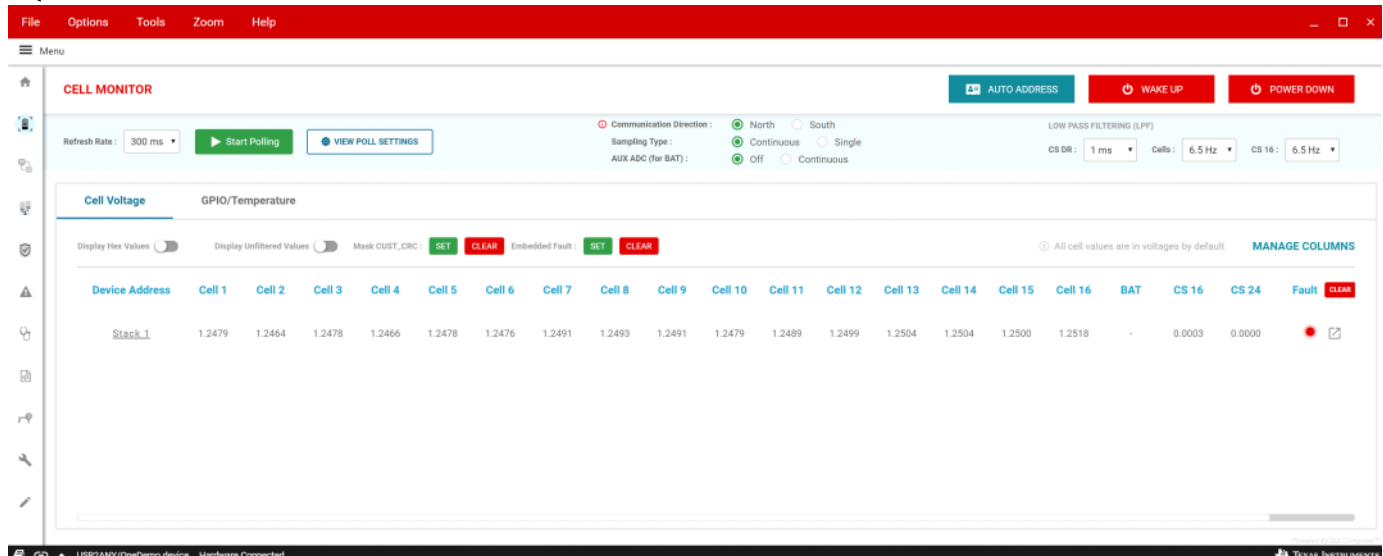
USB2ANY- BQ79600EVM, BQ79600EVM COMH - BQ79656EVM COML, BQ79656EVM COMH - BMM COML (swapped): Wake up works on all Auto address only picks up one stack, polling only works on BQ79656EVM (confirmed by toggling S1, S2), Power down works on BQ79600EVM and BQ79656EVM but not BMM.



USB2ANY- BQ79600EVM, BQ79600EVM COMH - BQ79656EVM COML, BQ79656EVM COMH - BMM COMH: Wake up works on all Auto address only picks up one stack, polling only works on BQ79656EVM (confirmed by toggling S1, S2), Power down works on BQ79600EVM and BQ79656EVM but not BMM.

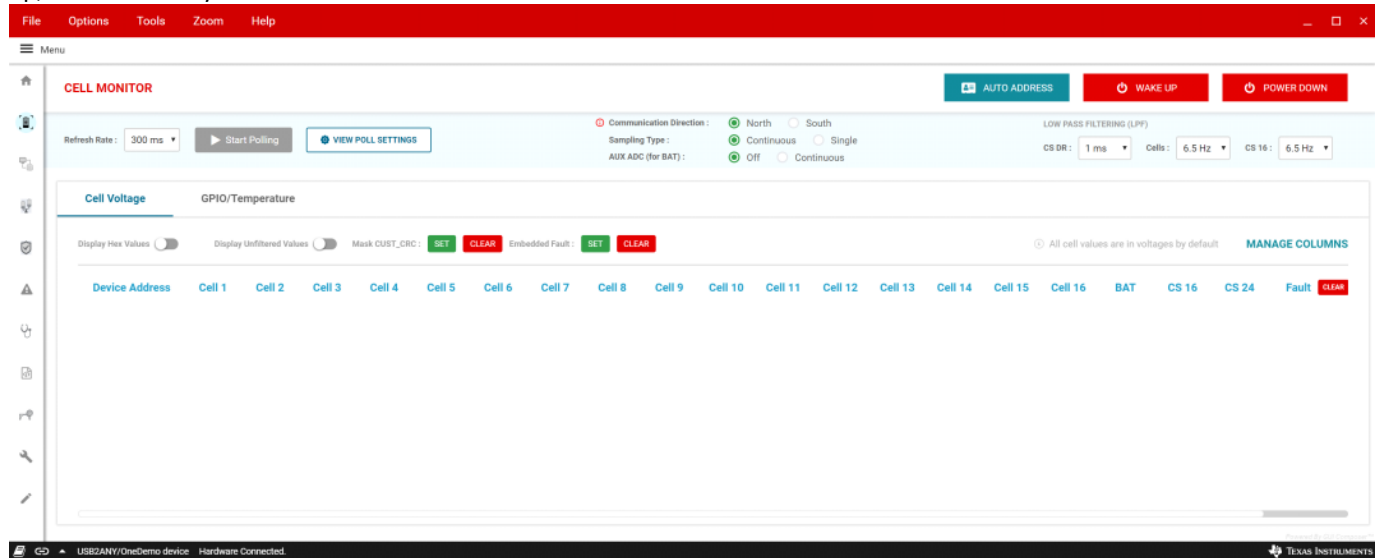


USB2ANY- BQ79600EVM, BQ79600EVM COMH - BQ79656EVM COML, BQ79656EVM COMH - BMM COMH (swapped): Wake up works on all Auto address only picks up one stack, polling only works on BQ79656EVM (confirmed by toggling S1, S2), Power down works on BQ79600EVM and BQ79656EVM but not BMM.

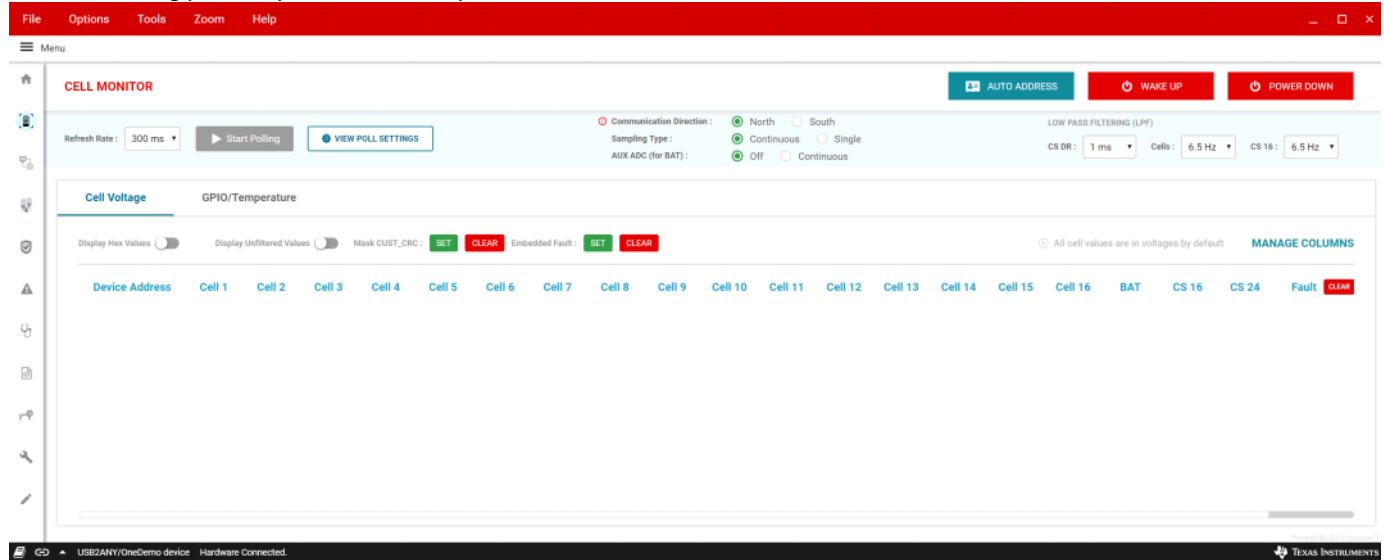


USB2ANY - BQ79600EVM, BQ79600EVM COMH - BMM COML, BMM COMH - BQ79656EVM COML:

Wake up on BQ79600EVM and BMM (no wake up on BQ79656EVM), auto address nothing picked up, shut down only BQ79600EVM

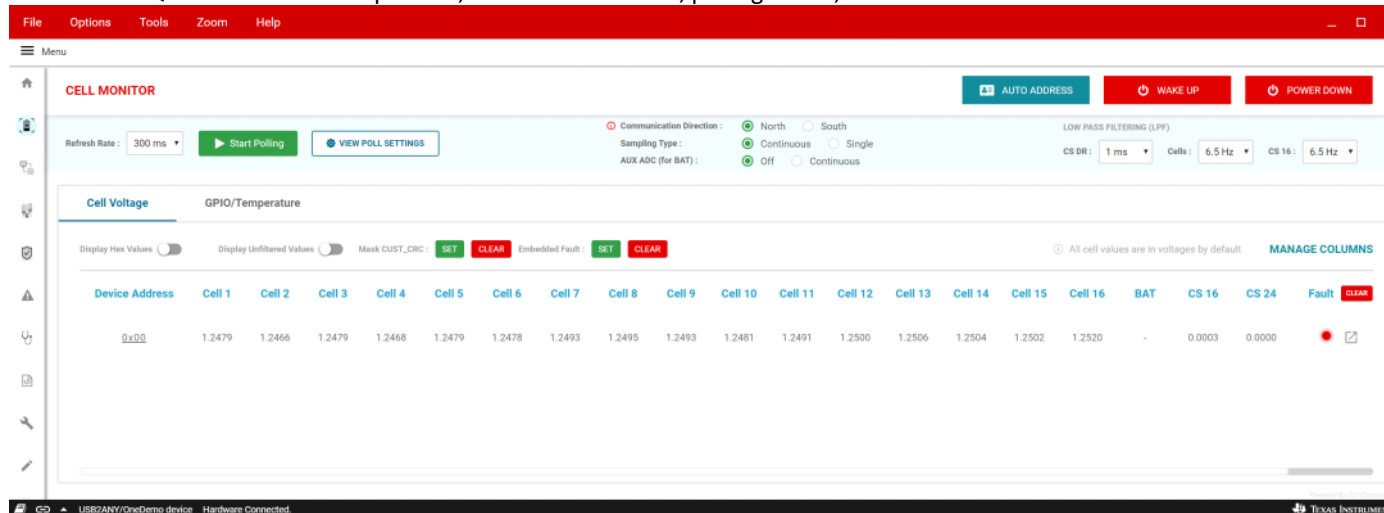


USB2ANY - BQ79600EVM, BQ79600EVM COMH - BMM COML (swapped), BMM COMH - BQ79656EVM COML: Wake up on BQ79600EVM and BMM (no wake up on BQ79656EVM), auto address nothing picked up, shut down only BQ79600EVM



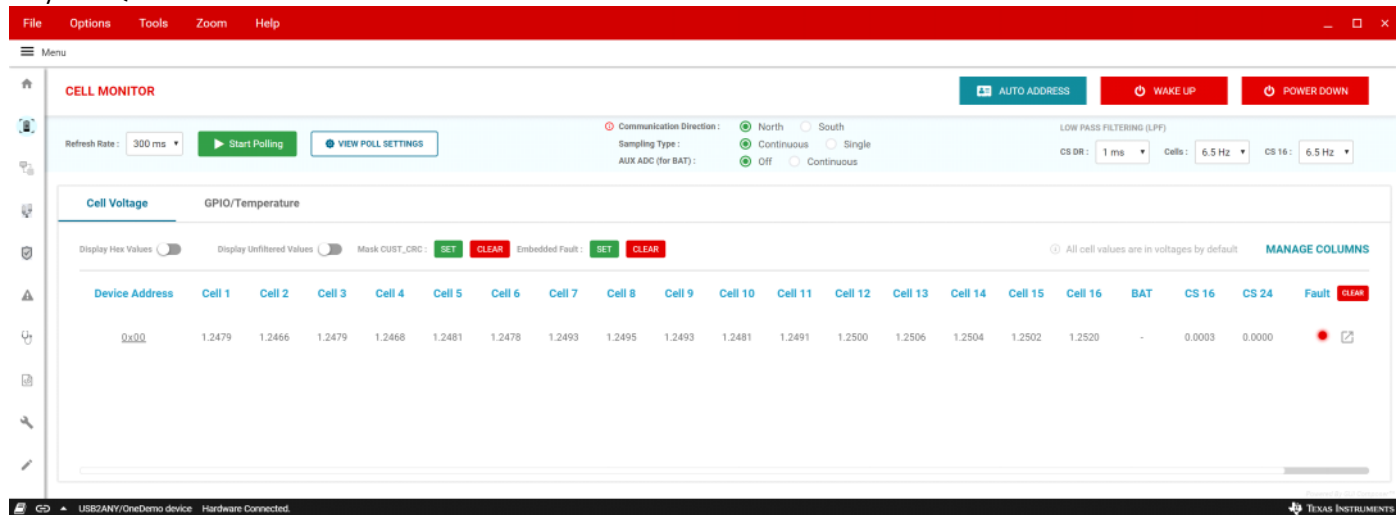
Restarted BMS GUI and connecting USB2ANY directly to BQ79656EVM

USB2ANY - BQ79656EVM: Wake up works, auto address works, polling works, shut down works

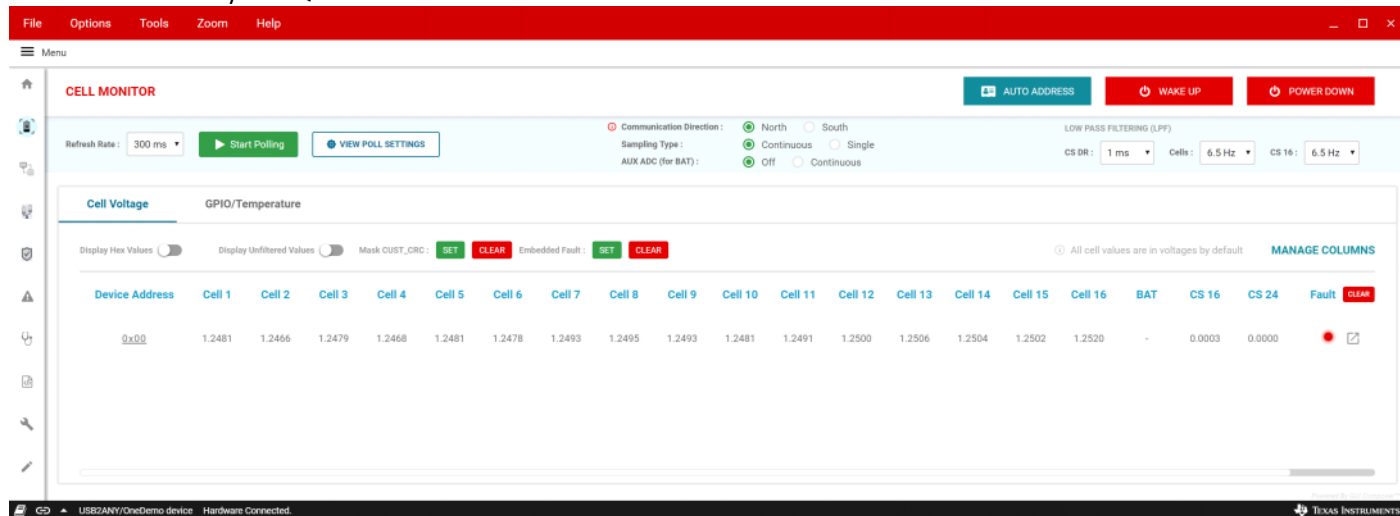


USB2ANY - BQ79656EVM, BQ79656EVM COMH - BMM COML: Wake up works on both, auto address

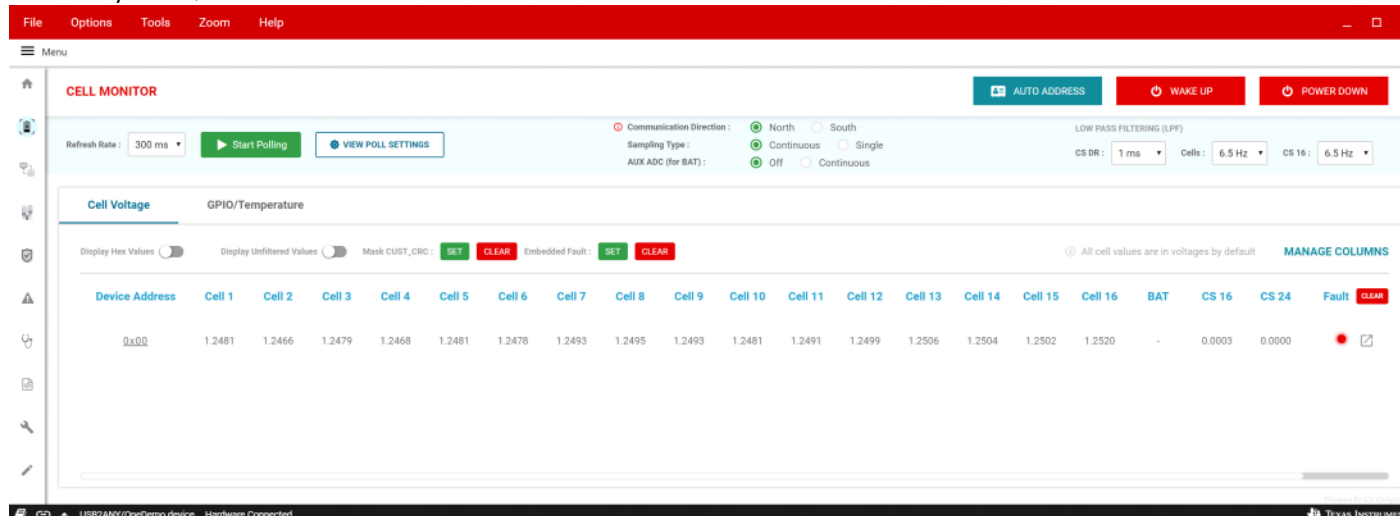
only gets 1 device, polling works on BQ79656EVM only (tested switch S1 and S2), shutdown works only on BQ79656EVM



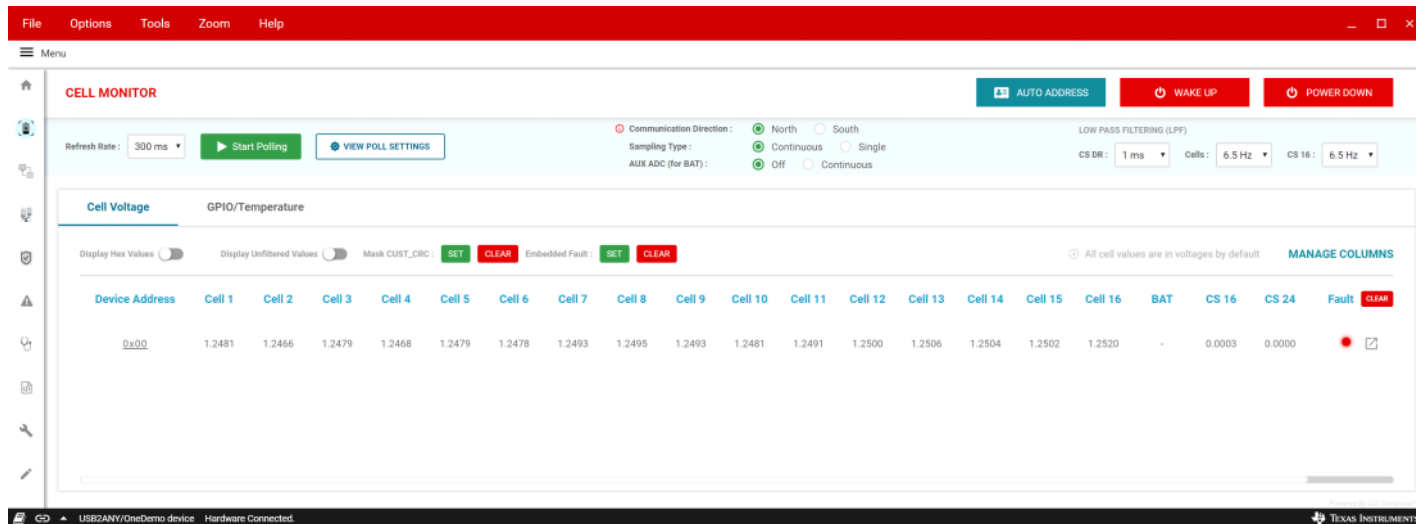
USB2ANY - BQ79656EVM, BQ79656EVM COMH - BMM COML (swapped): Wake up works on both, auto address only gets 1 device, polling works on BQ79656EVM only (tested switch S1 and S2), shutdown works only on BQ79656EVM



USB2ANY - BQ79656EVM, BQ79656EVM COMH - BMM COMH: Wake up works on both, auto address only gets 1 device, polling works on BQ79656EVM only (tested switch S1 and S2), shutdown works only on BQ79656EVM



USB2ANY - BQ79656EVM, BQ79656EVM COMH - BMM COMH (swapped): Wake up works on both, auto address only gets 1 device, polling works on BQ79656EVM only (tested switch S1 and S2), shutdown works only on BQ79656EVM



USB2ANY - BQ79656EVM, BQ79656EVM COML - BMM COMH: Wake up works on BQ79656EVM only, auto address only gets 1 device, polling works on BQ79656EVM only (tested switch S1 and S2), shutdown works only on BQ79656EVM

USB2ANY - BQ79656EVM, BQ79656EVM COML - BMM COMH (swapped): Wake up works on BQ79656EVM only, auto address only gets 1 device, polling works on BQ79656EVM only (tested switch S1 and S2), shutdown works only on BQ79656EVM

USB2ANY - BQ79656EVM, BQ79656EVM COML - BMM COML: Wake up works on BQ79656EVM only, auto address only gets 1 device, polling works on BQ79656EVM only (tested switch S1 and S2), shutdown works only on BQ79656EVM

USB2ANY - BQ79656EVM, BQ79656EVM COML - BMM COML (swapped): Wake up works on BQ79656EVM only, auto address only gets 1 device, polling works on BQ79656EVM only (tested switch S1 and S2), shutdown works only on BQ79656EVM

Checking and comparing traces on BQ79656EVM and BMM

BQ79656EVM U1 (0CAJQLW XBQ7965x G4) pins:

- 40: COMLP
- 41: COMLN
- 42: COMHN
- 43: COMHP

BMM U1 (12A2C1W BQ79656 G4) pins:

- 40: COMLP
- 41: COMLN
- 42: COMHN
- 43: COMHP