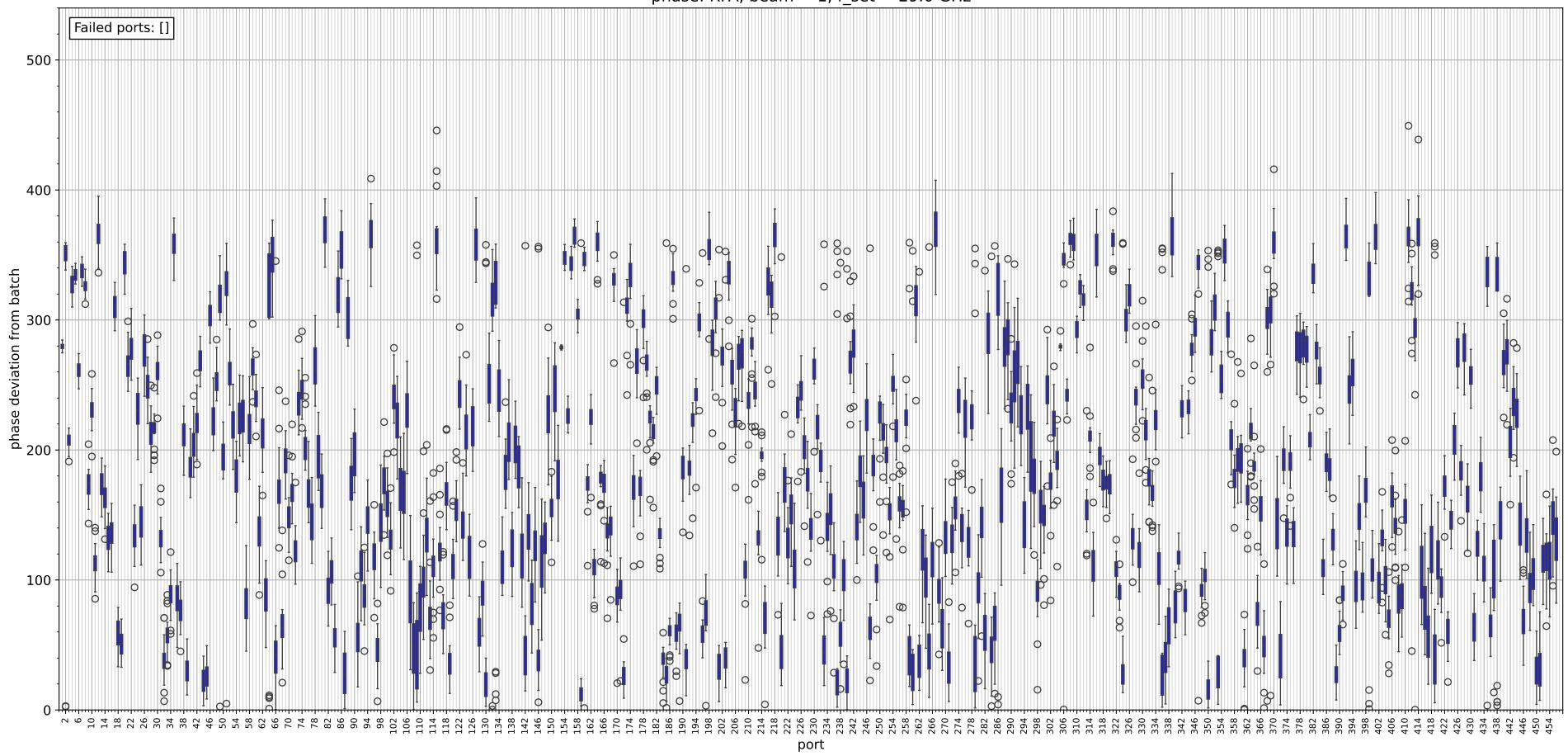
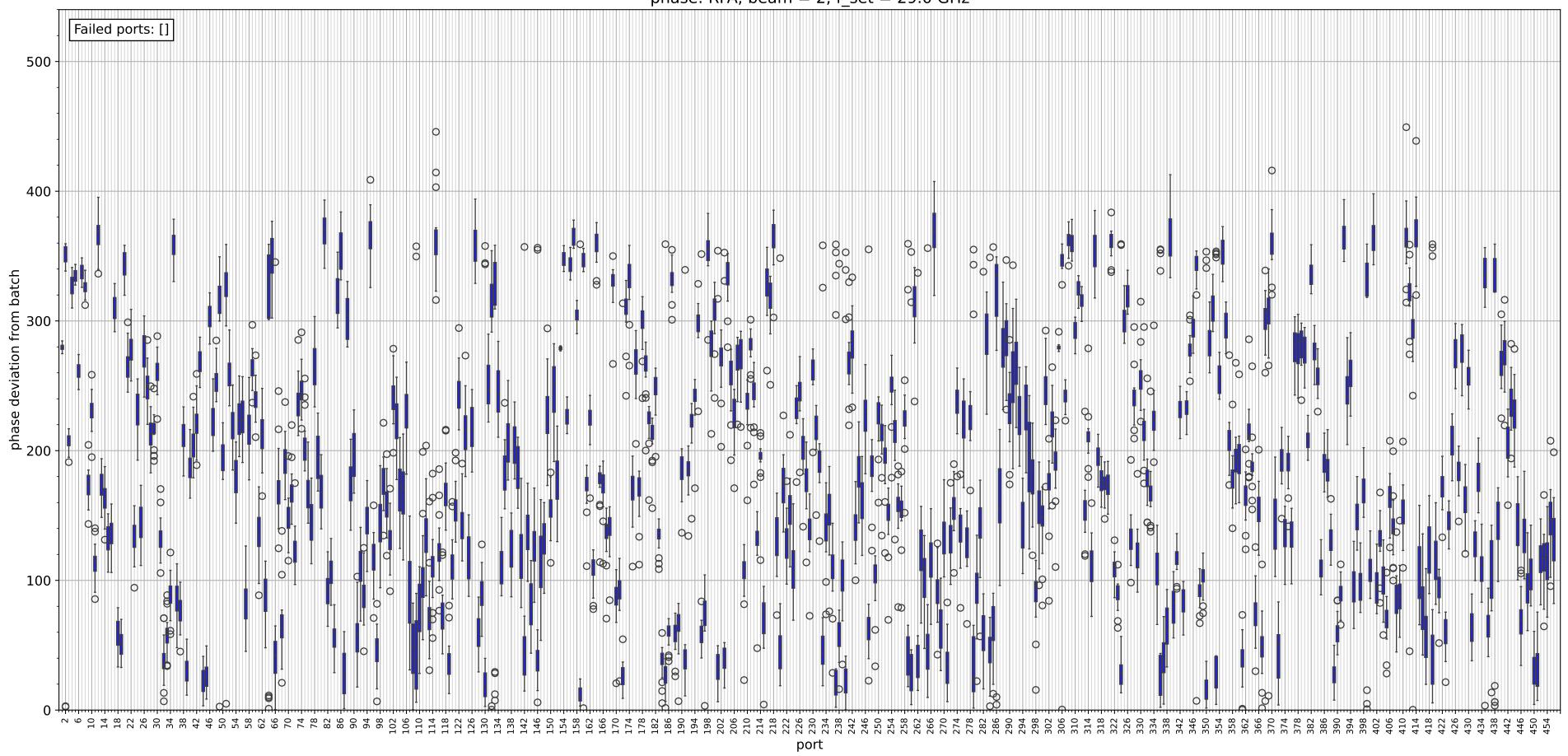
phase: RFA, beam = 1, $f_set = 28.5 GHz$ Failed ports: ['299'] 500 -400 phase deviation from batch box 00 00 00 100

phase: RFA, beam = 2, $f_set = 28.5$ GHz Failed ports: ['299'] 500 -400 phase deviation from batch box 00 00 00 100

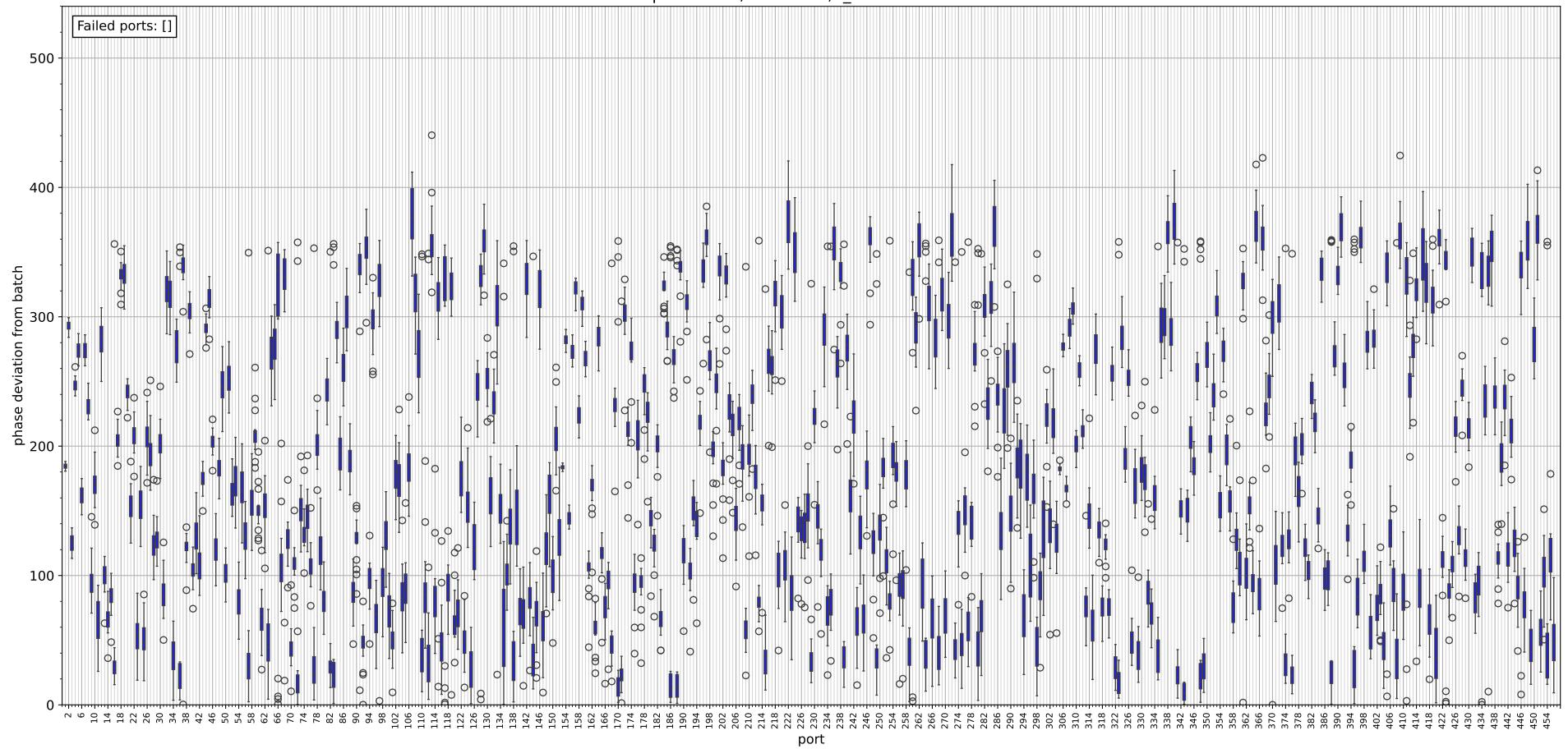
phase: RFA, beam = 1, $f_set = 29.0 GHz$



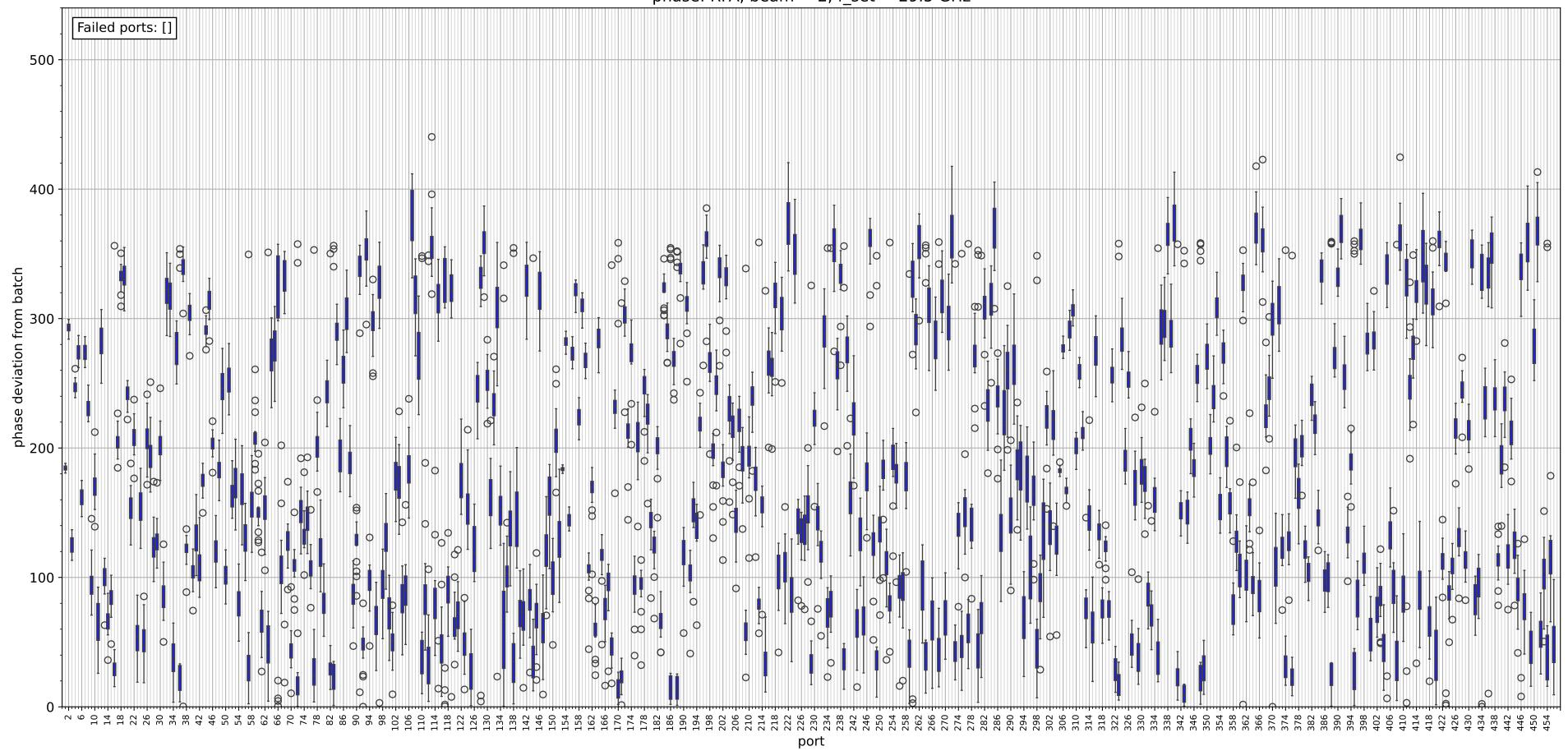
phase: RFA, beam = 2, $f_set = 29.0$ GHz



phase: RFA, beam = 1, $f_set = 29.5 GHz$



phase: RFA, beam = 2, $f_set = 29.5$ GHz



phase: RFA, beam = 1, $f_set = 30.0 \text{ GHz}$ Failed ports: ['287', '295'] 500 -400 -100

phase: RFA, beam = 2, $f_set = 30.0$ GHz Failed ports: ['287', '295'] 500 -400 -100

phase: RFA, beam = 1, $f_set = 30.5 GHz$ Failed ports: ['111', '287', '304', '413'] 500 -400 phase deviation from batch bound bou 100 bort 230 226

phase: RFA, beam = 2, $f_set = 30.5$ GHz Failed ports: ['111', '287', '304', '413'] 500 -400 phase deviation from batch bound bou 100

Ports with high phase correction spread between TLMs 413(109) 400 304(0) 299(147) 297(145) 300 295(143) 287(135) 287(135) 287(135) 266(114) 237(85) 200 198(46) 112(112) 111(111) 109(109) 100 67(67) 27.5 28.0 28.5 30.0 29.0 29.5 30.5 31.0 freq [GHz]