UC20 Reference Design Explanation 1. Revision History Revision Date Description 2013.05 Initial. V1.01 V1.02 2013.07 1. Updated the name of UC20' Pins 1, 3, 4, 10, 13~17, 34, 47 and 55. 2. Reserved capacitor C801 between USB_DP and USB_DM signal lines. 3. Updated U301 circuit, added R307 and D302. 4. Updated GNSS reference circuit. 5. Updated the description of firmware upgrade and reserved testpoints. 6. Updated ADC voltage range. 7. Added SLEEP_IND, WAKEUP_IN and W_DISABLE# connections, removed the pin connected with Pin 55. 8. Changed R408 from NM to 15K. 2. Index of Reference Design Sheet 1: Design Explanation Sheet 2: Module Interface Sheet 3: Power Supply Design Sheet 4: UART and USIM Design Sheet 5: Audio Design Sheet 6: RF and GNSS Design Sheet 7: Other Designs Sheet 8: MCU Interface **Quectel Wireless Solutions** DRAWN BY **PROJECT** TITLE <Design Explanation> <Mountain.ZHOU> <UC20 Reference Design> SIZE A2 VER 1.02 CHECKED BY <Bruce.YU> SHEET 1 of 8 <2013.07> 5 3 2 4 6













