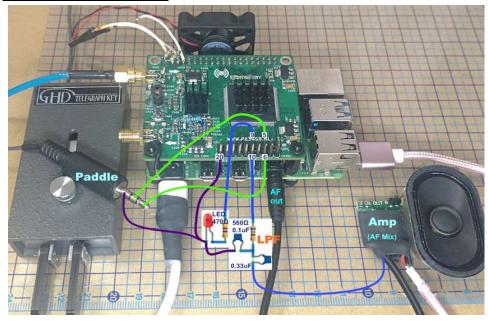
Radioberry-2 Experiment results with built-in CW sidetone.

Radioberry connection drawing.



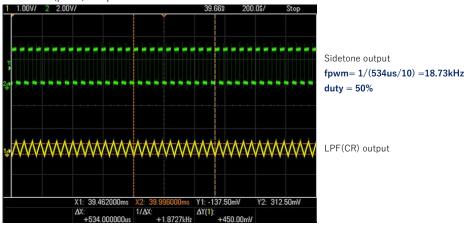
 CN301-Pin5 : Puddle (Dash) or Straight key

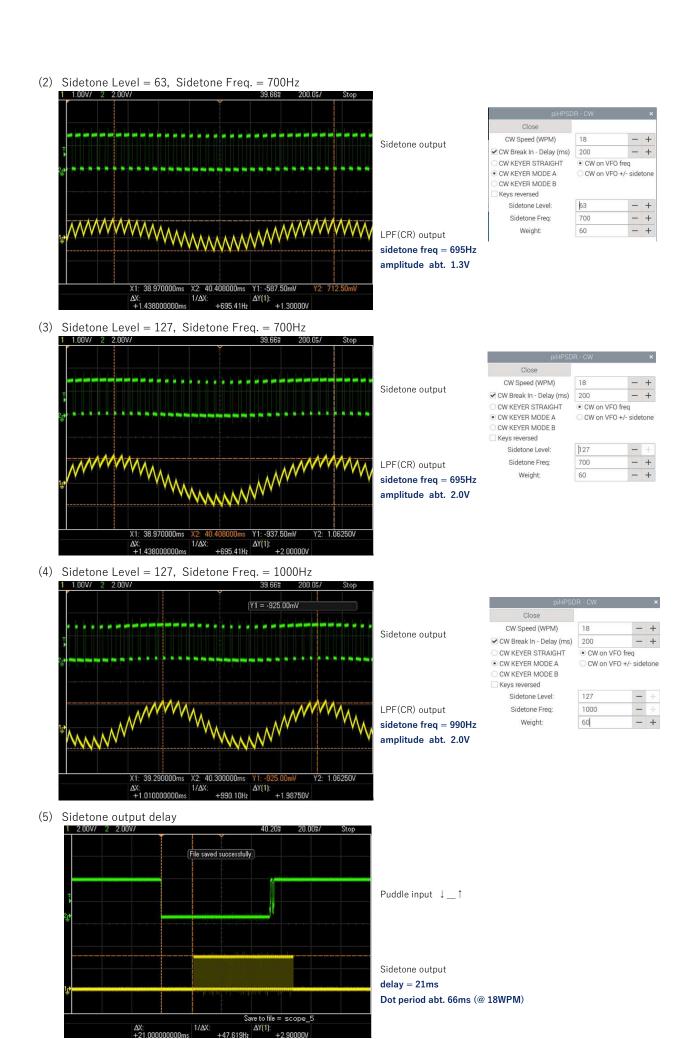
CN301-Pin6 : **Pudlle (Dot)** CN301-Pin20 : GND

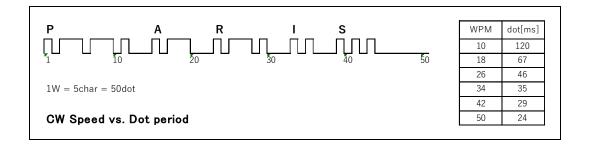
(1) Sidetone Level = 0, Sidetone Freq. = 700Hz



Sidetone(pwm) output







Radioberry-2 IO Pin connections (CN301)

| function | fpga | Pin | Pin | fpga | function |
|----------------------------|------|-----|-----|------|-----------------------|
| 5V | - | 1 | 2 | - | 3V3 |
| ptt_out / preamp exttr | 144 | 3 | 4 | 143 | preamp inttr |
| Keyer-dash or Straight key | 142 | 5 | 6 | 141 | Keyer-dot |
| preamp enbias | 137 | 7 | 8 | 136 | preamp envpa |
| cw keyon (out) | 135 | 9 | 10 | 133 | sidetone pwm output |
| no use | 132 | 11 | 12 | 125 | no use |
| push-to-talk (in) | 121 | 13 | 14 | 120 | key input |
| reserved for fpga SDA | 119 | 15 | 16 | 115 | reserved for fpga SCL |
| SDA from J8 RPI | pi | 17 | 18 | pi | SCL from J8 RPI |
| Ground | - | 19 | 20 | - | Ground |

