

```

{
  "SX130x_conf": {
    "com_type": "SPI",
    "com_path": "/dev/spidev0.0",
    "lorawan_public": true,
    "clksrc": 0,
    "antenna_gain": 0, /* antenna gain, in dBi */
    "full_duplex": false,
    "fine_timestamp": {
      "enable": false,
      "mode": "all_sf" /* high_capacity or all_sf */
    },
  },
  "sx1261_conf": {
    "spi_path": "/dev/spidev0.1",
    "rssi_offset": 0, /* dB */
    "spectral_scan": {
      "enable": false,
      "freq_start": 903900000,
      "nb_chan": 8,
      "nb_scan": 2000,
      "pace_s": 10
    },
  },
  "lbt": {
    "enable": false /* LBT for 500 Khz channels is not
supported */
  }
},
"radio_0": {
  "enable": true,
  "type": "SX1250",
  "freq": 904300000,
  "rssi_offset": -215.4,
  "rssi_tcomp": {"coeff_a": 0, "coeff_b": 0, "coeff_c": 20.41,
"coeff_d": 2162.56, "coeff_e": 0},
  "tx_enable": true,
  "tx_freq_min": 923000000,
  "tx_freq_max": 928000000,
  "tx_gain_lut": [
    {"rf_power": 12, "pa_gain": 0, "pwr_idx": 15},
    {"rf_power": 13, "pa_gain": 0, "pwr_idx": 16},
    {"rf_power": 14, "pa_gain": 0, "pwr_idx": 17},
    {"rf_power": 15, "pa_gain": 0, "pwr_idx": 19},
    {"rf_power": 16, "pa_gain": 0, "pwr_idx": 20},
    {"rf_power": 17, "pa_gain": 0, "pwr_idx": 22},
    {"rf_power": 18, "pa_gain": 1, "pwr_idx": 1},
    {"rf_power": 19, "pa_gain": 1, "pwr_idx": 2},
    {"rf_power": 20, "pa_gain": 1, "pwr_idx": 3},
    {"rf_power": 21, "pa_gain": 1, "pwr_idx": 4},
    {"rf_power": 22, "pa_gain": 1, "pwr_idx": 5},
    {"rf_power": 23, "pa_gain": 1, "pwr_idx": 6},
    {"rf_power": 24, "pa_gain": 1, "pwr_idx": 7},
    {"rf_power": 25, "pa_gain": 1, "pwr_idx": 9},
    {"rf_power": 26, "pa_gain": 1, "pwr_idx": 11},
    {"rf_power": 27, "pa_gain": 1, "pwr_idx": 14}
  ]
}

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    ],
  },
  "radio_1": {
    "enable": true,
    "type": "SX1250",
    "freq": 905000000,
    "rssi_offset": -215.4,
    "rssi_tcomp": {"coeff_a": 0, "coeff_b": 0, "coeff_c": 20.41,
"coeff_d": 2162.56, "coeff_e": 0},
    "tx_enable": false
  },
  "chan_multiSF_All": {"spreading_factor_enable": [ 5, 6, 7, 8, 9,
10, 11, 12 ]},
  "chan_multiSF_0": {"enable": true, "radio": 0, "if": -400000},
/* Freq : 903.9 MHz*/
  "chan_multiSF_1": {"enable": true, "radio": 0, "if": -200000},
/* Freq : 904.1 MHz*/
  "chan_multiSF_2": {"enable": true, "radio": 0, "if": 0},
/* Freq : 904.3 MHz*/
  "chan_multiSF_3": {"enable": true, "radio": 0, "if": 200000},
/* Freq : 904.5 MHz*/
  "chan_multiSF_4": {"enable": true, "radio": 1, "if": -300000},
/* Freq : 904.7 MHz*/
  "chan_multiSF_5": {"enable": true, "radio": 1, "if": -100000},
/* Freq : 904.9 MHz*/
  "chan_multiSF_6": {"enable": true, "radio": 1, "if": 100000},
/* Freq : 905.1 MHz*/
  "chan_multiSF_7": {"enable": true, "radio": 1, "if": 300000},
/* Freq : 905.3 MHz*/
  "chan_Lora_std": {"enable": true, "radio": 0, "if": 300000,
"bandwidth": 500000, "spread_factor": 8,
/* Freq : 904.6 MHz*/
    "implicit_hdr": false,
"implicit_payload_length": 17, "implicit_crc_en": false,
"implicit_coderate": 1},
  "chan_FSK": {"enable": false, "radio": 1, "if": 300000,
"bandwidth": 125000, "datarate": 50000} /*
Freq : 868.8 MHz*/
  },

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"gateway_conf": {
  "gateway_ID": "██████████",
  /* change with default server address/ports */
  "server_address": "nam1.cloud.thethings.network",
  "serv_port_up": 1700,
  "serv_port_down": 1700,
  /* adjust the following parameters for your network */
  "keepalive_interval": 10,
  "stat_interval": 30,
  "push_timeout_ms": 100,
  /* forward only valid packets */
  "forward_crc_valid": true,
  "forward_crc_error": false,
  "forward_crc_disabled": false,

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```
/* GPS configuration */
"gps_tty_path": "/dev/ttyS0",
/* GPS reference coordinates */
"ref_latitude": 0.0,
"ref_longitude": 0.0,
"ref_altitude": 0,
/* Beacons parameters */
"beacon_period": 0, /* disable class B beacon */
"beacon_freq_hz": 923300000,
"beacon_datarate": 9,
"beacon_bw_hz": 125000,
"beacon_power": 14,
"beacon_infodesc": 0
},

"debug_conf": {
  "ref_payload": [
    {"id": "0xCAFE1234"},
    {"id": "0xCAFE2345"}
  ],
  "log_file": "loragw_hal.log"
}
}
```