

Disassembly

tx_main + 0xc4

```

for (i=0;;i++)
0000184A 2300      movs r3, #0
0000184C 603B      str r3, [r7]
0000184E 9401      str r4, [sp, #4]
— main.c — 860 —
ch_select = ((asn+ch_offset_tx)%(16));
start_req.logical_channel = hop_sequence[c
callback_called = false;
00001850 9300      str r3, [sp]
— main.c — 861 —
ch_select = ((asn+ch_offset_tx)%(16));
00001852 9A01      ldr r2, [sp, #4]
00001854 682B      ldr r3, [r5]
00001856 7812      ldrb r2, [r2]
00001858 F8DF9198 ldr.w r9, =0x2000045C <ch_
— main.c — 862 —
start_req.logical_channel = hop_sequence[c
callback_called = false;
mlme_start_req(&start_req, start_callback)
0000185C 4953      ldr r1, =0x0000135D
0000185E 4854      ldr r0, =0x200000B8 <start_
— main.c — 861 —
ch_select = ((asn+ch_offset_tx)%(16));
00001860 4413      add r3, r2
00001862 F003030F and r3, r3, #15
— main.c — 862 —
start_req.logical_channel = hop_sequence[c
00001866 4A5B      ldr r2, =0x2000005E <hop_s
— main.c — 861 —
ch_select = ((asn+ch_offset_tx)%(16));
00001868 F8893000 strb.w r3, [r9, #0]
— main.c — 862 —
start_req.logical_channel = hop_sequence[c
0000186C 5CD3      ldrb r3, [r2, r3]
0000186E 7433      strb r3, [r6, #16]
— main.c — 863 —
callback_called = false;
00001870 9800      ldr r3, [sp]
00001872 F8893000 strb.w r3, [r9, #0]

```

Step 1

sdk_config.h ses_startup_nrf52840.s app_error_weak.c fsm.c mac_common.h nrfx_timer.h
 mac_mlme_pib.h cmsis_gcc.h nrf52840.h mac_mcps_data.h sys_events.h mac_mlme_start.h boards.h
 sys_utils.h mac_mlme_beacon_notify.h mac_mlme_scan.h 802_15_4_config.h mac_security.h sys_queue.h
 sys_time.h sys_task_scheduler.h main.c mac_task_scheduler.h fsm.h sys_fsm.h SEGGER_RTT_printf.c
 nrf_assert.c

void tx_main()

```

{
  SEGGER_RTT_printf(0, "cho: %d\n", ch_offset_tx);
  for (i=0;;i++)
  {
    //channel = (ASN + ChannelOffset) % N , ASN-Absolute Slot Number,N-number of chan
    860
    ch_select = ((asn+ch_offset_tx)%(16));
    start_req.logical_channel = hop_sequence[ch_select];

    callback_called = false;
    865 mlme_start_req(&start_req, start_callback);
    while (!callback_called) {
      sys_task_run();
    }

    870 // nrf_delay_us(7864324);

    SEGGER_RTT_printf(0, "Sent the Start-Request: ");
    print_mac_status(start_req.confirm.status);
    SEGGER_RTT_printf(0, "\n");
  }
}

```

Step 2

Debug Terminal

```

mlme_get: MAC_ASSOCIATION_PERMIT: 0x01
mlme_get: MAC_GTS_PERMIT: 0x01
mlme_get: MAC_GTS_PERMIT: 0x00
Sent the Start-Request: MAC_SUCCESS
Channel : 11
Time :56419973
cho: 0

```

Locals

Expression	Value
ext_addr_only	0xffffe
mac_associati	0x01
mac_gts_permi	0x00
rx_on_when_id	0x01
start_req	<struct>

Registers 1

Groups

Name	Value
CPU - Current Context	
r0	0x0000000e
r1	0x2003f9ef
r2	0x00000000
r3	0x000007e4
r4	0x2000045b
r5	0x20000448
r6	0x200000b8
r7	0x20000490
r8	0x20000459
r9	0x2000045c
r10	0x000101f2
r11	0x000101b0
r12	0x20030af3
sp(r13)	0x2003fa68
lr(r14)	0x0000184b
pc(r15)	0x0000185c
apshr	0x61000000
CPU	