

Disassembly

mlme_start_req + 0x36

Address	Hex	Assembly
0000FD60	.word 0x0000FD60	
20030B98	.word 0x20030B98	
<mlme_start_req>		
00004E44	B570	push {r4-r6, lr}
00004E46	460E	mov r6, r1
00004E48	4604	mov r4, r0
00004E4A	B920	cbnz r0, 0x00004E56
00004E4C	4913	ldr r1, =0x0000FD7C
00004E4E	F2402083	movw r0, #0x283
00004E52	F002FB43	bl 0x000074DC <assert_nrf_
00004E56	B926	cbnz r6, 0x00004E62
00004E58	4910	ldr r1, =0x0000FD7C
00004E5A	F44F7021	mov.w r0, #0x284
00004E5E	F002FB3D	bl 0x000074DC <assert_nrf_
00004E62	7E22	ldrb r2, [r4, #24]
00004E64	7E63	ldrb r3, [r4, #25]
00004E66	429A	cmp r2, r3
00004E68	D204	bcs 0x00004E74
00004E6A	490C	ldr r1, =0x0000FD7C
00004E6C	F2402085	movw r0, #0x285
00004E70	F002FB34	bl 0x000074DC <assert_nrf_
00004E74	4D0A	ldr r5, =0x20030CF0 <g_mac
00004E76	F8D52160	ldr.w r2, [r5, #0x160]
00004E7A	4907	cbz r2, 0x00004E86
00004E7C	F2402089	movw r0, #0x289
00004E7E	F002FB2B	bl 0x000074DC <assert_nrf_
00004E82	230B	movs r3, #11
00004E88	7123	strb r3, [r4, #4]
00004E8A	60A6	str r6, [r4, #8]
00004E8C	4620	mov r0, r4
00004E8E	F8C54160	str.w r4, [r5, #0x160]
00004E92	E8BD4070	pop.w {r4-r6, lr}
00004E96	F001B991	b.w 0x000061BC <mac_reques
00004E9A	BF00	nop
0000FD7C	.word 0x0000FD7C	
20030CF0	.word 0x20030CF0	
<mac_start_next_out_beacon_ntfy>		

Step 4

sdksdk_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

mlme_start_req0

```
ch_select = ((asn+ch_offset_tx)%(16));
start_req.logical_channel = hop_sequence[ch_select];

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

nrf_delay_us(7864324);

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

Debug Terminal

```
sud_data in dec: 1515
sdu: 20030272 k: 3
in tx
mlme_get: MAC_EXTENDED_ADDRESS: 0xCAFEFEEF0000FFFF
mlme_get: MAC_SHORT_ADDRESS: 0xFEFF
mlme_get: MAC_BEACON_PAYLOAD_LENGTH: 0x08
mlme_get: MAC_BEACON_PAYLOAD: 0x0000000000000000
mlme_get: MAC_RX_ON_WHEN_IDLE: 0x01
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 :40966962
cho: 0
```

R2 Contant

Locals

Expression	Value
No locals	

Registers 1

Name	Value
CPU - Current Context	
r0	0x200000b8
r1	0x0000135d
r2	0x200000b8
r3	0x0000000f
r4	0x200000b8
r5	0x20030cf0
r6	0x0000135d
r7	0x20000490
r8	0x20000459
r9	0x2000045c
r10	0x000101f2
r11	0x000101b0
r12	0x200309b7
sp(r13)	0x2003fa58
lr(r14)	0x0000187b
pc(r15)	0x00004e7a
apsr	0x61000000
CPU	