

ĐẠI HỌC QUỐC GIA TP HỒ CHÍ MINH

TRƯỜNG ĐẠI HỌC BÁCH KHOA



THIẾT KẾ VÀ PHÁT TRIỂN ỨNG DỤNG IOT

BÀI TẬP VỀ NHÀ: COLLECT RSSI

LỚP L01 --- HK232

NGÀY NỘP: 03/03/2024

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Thành phố Hồ Chí Minh – 2024

1. Đề bài

Collect RSSI from neighbor nodes and choose the neighbor with strongest RSSI

2. Bài làm

Link project: [contiki_wsn/project/rime_broadcast_rssi_at_develop · Hnit3003/contiki_wsn](https://github.com/Hnit3003/contiki_wsn/tree/master/project/rime_broadcast_rssi_at_develop)

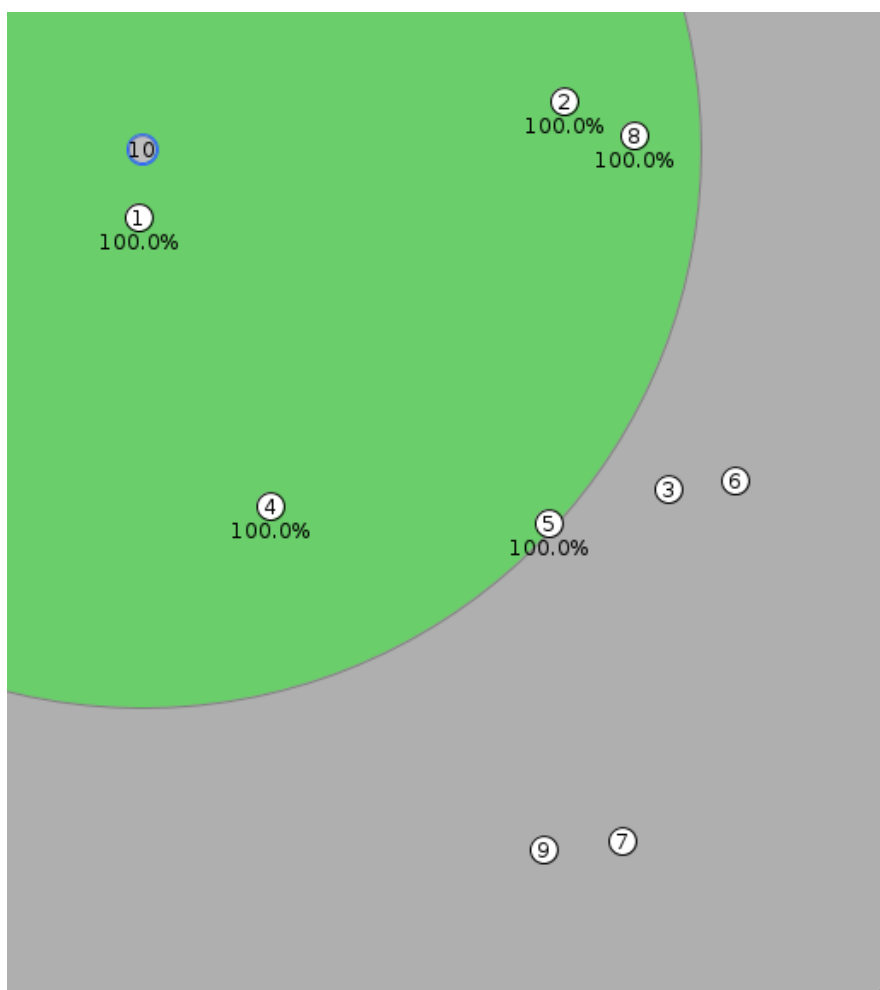
2.1. Code



```
1  #include "contiki.h"
2  #include "net/rime/rime.h"
3  #include "random.h"
4
5  #include "dev/button-sensor.h"
6
7  #include "dev/leds.h"
8  #include "cc2420.h"
9
10 #include <stdio.h>
11 #include <string.h>
12
13 #define MOTE_NUM 10 /* Number of Motes in Network */
14
15 static uint16_t packet_send_count = 1; /* Number of packets sent */
16 /* Number of packet receive from all Mote */
17 static uint16_t packet_receive_count[MOTE_NUM] = {0};
18
19 static signed char rssi_neigr[MOTE_NUM] = {0};
20 static signed char rssi_max = -120;
21 static uint8_t rssi_max_mote = MOTE_NUM + 1;
22
23 /*-----*/
24 PROCESS(example_broadcast_process, "Broadcast example");
25 AUTOSTART_PROCESSES(&example_broadcast_process);
26 /*-----*/
27 static void
28 broadcast_rcv(struct broadcast_conn *c, const linkaddr_t *from)
29 {
30     packet_receive_count[from->u8[0] - 1]++;
31     rssi_neigr[from->u8[0] - 1] = cc2420_last_rssi;
32     if (cc2420_last_rssi > rssi_max)
33     {
34         rssi_max = rssi_neigr[from->u8[0] - 1];
35         rssi_max_mote = from->u8[0];
36     }
37     printf("broadcast message received from %d.%d [%d times]: '%s' RSSI: %d\n",
38           from->u8[0], from->u8[1], packet_receive_count[from->u8[0] - 1], (char *)packetbuf_dataptr(), rssi_neigr[from->u8[0] - 1]);
39 }
40 static const struct broadcast_callbacks broadcast_call = {broadcast_rcv};
41 static struct broadcast_conn broadcast;
42 /*-----*/
43 PROCESS_THREAD(example_broadcast_process, ev, data)
44 {
45     static struct etimer et;
46
47     PROCESS_EXITHANDLER(broadcast_close(&broadcast));
48
49     PROCESS_BEGIN();
50
51     broadcast_open(&broadcast, 129, &broadcast_call);
52
53     while(1) {
54
55         /* Delay 2-4 seconds */
56         etimer_set(&et, CLOCK_SECOND * 4 + random_rand() % (CLOCK_SECOND * 4));
57
58         PROCESS_WAIT_EVENT_UNTIL(etimer_expired(&et));
59
60         char message_send[20];
61         sprintf(message_send, "ID:%d packet[%d]", linkaddr_node_addr.u8[0], packet_send_count++);
62         packetbuf_copyfrom(message_send, sizeof(message_send));
63         broadcast_send(&broadcast);
64         printf("broadcast message sent: packet[%d]\n", (packet_send_count-1));
65
66         printf("Max RSSI mote: %d : %d\n", rssi_max_mote, rssi_max);
67     }
68 }
69
70 PROCESS_END();
71 }
72 /*-----*/
73
```

2.2. Kết quả trong mô phỏng bằng tool cooja

2.2.1. Giao diện kết quả khi chạy



Time	Mote	Message
00:00.641	ID:1	Rime started with address 1.0
00:00.650	ID:1	MAC 01:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started. Node id is set to 1.
00:00.659	ID:1	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.661	ID:1	Starting 'Broadcast example'
00:05.789	ID:1	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]' RSSI: -87
00:05.913	ID:1	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]' RSSI: -20
00:05.960	ID:1	broadcast message sent: packet[1]
00:05.962	ID:1	Max RSSI mote: 10 : -20
00:06.788	ID:1	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]' RSSI: -77
00:07.663	ID:1	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]' RSSI: -86
00:08.538	ID:1	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]' RSSI: -58
00:11.116	ID:1	broadcast message sent: packet[2]
00:11.118	ID:1	Max RSSI mote: 10 : -20
00:11.787	ID:1	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]' RSSI: -20
00:12.537	ID:1	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]' RSSI: -87
00:13.287	ID:1	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]' RSSI: -77
00:13.913	ID:1	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]' RSSI: -58
00:14.788	ID:1	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]' RSSI: -86
00:16.911	ID:1	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]' RSSI: -87
00:17.507	ID:1	broadcast message sent: packet[3]
00:17.509	ID:1	Max RSSI mote: 10 : -20
00:18.412	ID:1	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]' RSSI: -20
00:20.162	ID:1	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]' RSSI: -77
00:20.537	ID:1	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]' RSSI: -86
00:21.662	ID:1	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]' RSSI: -87
00:21.911	ID:1	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]' RSSI: -58
00:22.531	ID:1	broadcast message sent: packet[4]
00:22.533	ID:1	Max RSSI mote: 10 : -20
00:23.038	ID:1	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]' RSSI: -20
00:25.163	ID:1	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]' RSSI: -86
00:25.412	ID:1	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]' RSSI: -77
00:25.913	ID:1	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]' RSSI: -87
00:26.531	ID:1	broadcast message sent: packet[5]
00:26.533	ID:1	Max RSSI mote: 10 : -20
00:27.161	ID:1	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]' RSSI: -58

Filter: ^ID:[1]\$

Time	Mote	Message
00:00.495	ID:2	Rime started with address 2.0
00:00.504	ID:2	MAC 02:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started. Node id is set to 2.
00:00.513	ID:2	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.515	ID:2	Starting 'Broadcast example'
00:05.767	ID:2	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]' RSSI: -74
00:05.892	ID:2	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]' RSSI: -74
00:06.014	ID:2	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]' RSSI: -77
00:06.143	ID:2	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]' RSSI: -73
00:06.665	ID:2	broadcast message sent: packet[1]
00:06.667	ID:2	Max RSSI mote: 6 : -73
00:07.641	ID:2	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]' RSSI: -21
00:08.267	ID:2	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]' RSSI: -70
00:08.516	ID:2	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]' RSSI: -85
00:10.391	ID:2	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]' RSSI: -73
00:11.142	ID:2	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]' RSSI: -77
00:11.765	ID:2	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]' RSSI: -74
00:12.642	ID:2	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]' RSSI: -74
00:13.236	ID:2	broadcast message sent: packet[2]
00:13.237	ID:2	Max RSSI mote: 8 : -21
00:14.017	ID:2	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]' RSSI: -85
00:14.766	ID:2	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]' RSSI: -21
00:15.142	ID:2	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]' RSSI: -73
00:16.266	ID:2	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]' RSSI: -70
00:16.892	ID:2	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]' RSSI: -74
00:17.640	ID:2	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]' RSSI: -77
00:18.392	ID:2	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]' RSSI: -74
00:19.892	ID:2	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]' RSSI: -73
00:20.103	ID:2	broadcast message sent: packet[3]
00:20.104	ID:2	Max RSSI mote: 8 : -21
00:20.518	ID:2	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]' RSSI: -21
00:21.640	ID:2	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]' RSSI: -74
00:21.892	ID:2	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]' RSSI: -85
00:22.642	ID:2	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]' RSSI: -77
00:23.017	ID:2	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]' RSSI: -74
00:23.641	ID:2	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]' RSSI: -70
00:25.071	ID:2	broadcast message sent: packet[4]
00:25.073	ID:2	Max RSSI mote: 8 : -21
00:25.139	ID:2	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]' RSSI: -21
00:25.891	ID:2	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]' RSSI: -74

Filter: ^ID:[2]\$

Time	Mote	Message
00:01.158	ID:3	Rime started with address 3.0
00:01.167	ID:3	MAC 03:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started. Node id is set to 3.
00:01.176	ID:3	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:01.178	ID:3	Starting 'Broadcast example'
00:05.180	ID:3	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]' RSSI: -68
00:05.805	ID:3	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]' RSSI: -29
00:06.179	ID:3	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]' RSSI: -20
00:06.804	ID:3	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]' RSSI: -70
00:07.179	ID:3	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]' RSSI: -64
00:07.679	ID:3	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]' RSSI: -63
00:08.180	ID:3	broadcast message sent: packet[1]
00:08.182	ID:3	Max RSSI mote: 6 : -20
00:08.554	ID:3	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]' RSSI: -70
00:09.679	ID:3	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]' RSSI: -68
00:10.429	ID:3	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]' RSSI: -20
00:12.554	ID:3	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]' RSSI: -29
00:12.805	ID:3	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]' RSSI: -64
00:13.303	ID:3	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]' RSSI: -70
00:13.930	ID:3	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]' RSSI: -70
00:14.804	ID:3	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]' RSSI: -63
00:15.180	ID:3	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]' RSSI: -20
00:15.805	ID:3	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]' RSSI: -68
00:16.164	ID:3	broadcast message sent: packet[2]
00:16.166	ID:3	Max RSSI mote: 6 : -20
00:16.930	ID:3	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]' RSSI: -29
00:18.055	ID:3	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]' RSSI: -64
00:19.930	ID:3	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]' RSSI: -20
00:20.178	ID:3	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]' RSSI: -70
00:21.678	ID:3	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]' RSSI: -29
00:21.931	ID:3	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]' RSSI: -70
00:22.805	ID:3	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]' RSSI: -64
00:23.508	ID:3	broadcast message sent: packet[3]
00:23.510	ID:3	Max RSSI mote: 6 : -20
00:24.805	ID:3	broadcast message received from 9.0 [4 times]: 'ID:9 packet[5]' RSSI: -68
00:25.177	ID:3	broadcast message received from 8.0 [3 times]: 'ID:8 packet[4]' RSSI: -63
00:25.428	ID:3	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]' RSSI: -70
00:25.804	ID:3	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]' RSSI: -29
00:26.055	ID:3	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]' RSSI: -20
00:27.055	ID:3	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]' RSSI: -64

Filter: ^ID:[3]\$

Time	Mote	Message
00:00.607	ID:4	Rime started with address 4.0
00:00.616	ID:4	MAC 04:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started. Node id is set to 4.
00:00.625	ID:4	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.627	ID:4	Starting 'Broadcast example'
00:05.131	ID:4	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]' RSSI: -76
00:05.754	ID:4	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]' RSSI: -52
00:05.880	ID:4	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]' RSSI: -67
00:06.003	ID:4	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]' RSSI: -58
00:06.126	ID:4	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]' RSSI: -80
00:06.755	ID:4	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]' RSSI: -85
00:07.129	ID:4	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]' RSSI: -83
00:07.753	ID:4	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]' RSSI: -88
00:08.254	ID:4	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]' RSSI: -70
00:08.481	ID:4	broadcast message sent: packet[1]
00:08.482	ID:4	Max RSSI mote: 5 : -52
00:09.629	ID:4	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]' RSSI: -76
00:10.377	ID:4	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]' RSSI: -80
00:11.255	ID:4	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]' RSSI: -58
00:11.754	ID:4	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]' RSSI: -67
00:12.628	ID:4	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]' RSSI: -52
00:12.753	ID:4	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]' RSSI: -83
00:13.380	ID:4	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]' RSSI: -85
00:13.879	ID:4	broadcast message sent: packet[2]
00:13.881	ID:4	Max RSSI mote: 5 : -52
00:14.753	ID:4	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]' RSSI: -88
00:15.129	ID:4	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]' RSSI: -80
00:15.879	ID:4	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]' RSSI: -76
00:16.253	ID:4	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]' RSSI: -70
00:16.878	ID:4	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]' RSSI: -52
00:17.629	ID:4	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]' RSSI: -58
00:18.003	ID:4	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]' RSSI: -83
00:18.505	ID:4	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]' RSSI: -67
00:19.879	ID:4	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]' RSSI: -80
00:20.129	ID:4	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]' RSSI: -85
00:20.507	ID:4	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]' RSSI: -88
00:21.699	ID:4	broadcast message sent: packet[3]
00:21.701	ID:4	Max RSSI mote: 5 : -52
00:21.752	ID:4	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]' RSSI: -52
00:22.629	ID:4	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]' RSSI: -58

Filter: ^ID:[4]\$

Time	Mote	Message
00:00.974	ID:5	Rime started with address 5.0
00:00.983	ID:5	MAC 05:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started. Node id is set to 5.
00:00.992	ID:5	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.994	ID:5	Starting 'Broadcast example'
00:05.245	ID:5	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]' RSSI: -59
00:05.699	ID:5	broadcast message sent: packet[1]
00:05.701	ID:5	Max RSSI mote: 9 : -59
00:05.995	ID:5	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]' RSSI: -87
00:06.118	ID:5	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]' RSSI: -39
00:06.747	ID:5	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]' RSSI: -74
00:07.121	ID:5	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]' RSSI: -59
00:07.745	ID:5	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]' RSSI: -70
00:08.246	ID:5	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]' RSSI: -29
00:08.620	ID:5	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]' RSSI: -52
00:09.621	ID:5	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]' RSSI: -59
00:10.369	ID:5	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]' RSSI: -39
00:11.247	ID:5	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]' RSSI: -87
00:12.511	ID:5	broadcast message sent: packet[2]
00:12.513	ID:5	Max RSSI mote: 3 : -29
00:12.871	ID:5	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]' RSSI: -59
00:13.369	ID:5	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]' RSSI: -74
00:13.993	ID:5	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]' RSSI: -52
00:14.744	ID:5	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]' RSSI: -70
00:15.120	ID:5	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]' RSSI: -39
00:15.871	ID:5	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]' RSSI: -59
00:16.244	ID:5	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]' RSSI: -29
00:16.808	ID:5	broadcast message sent: packet[3]
00:16.810	ID:5	Max RSSI mote: 3 : -29
00:17.621	ID:5	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]' RSSI: -87
00:18.118	ID:5	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]' RSSI: -59
00:19.870	ID:5	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]' RSSI: -39
00:20.247	ID:5	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]' RSSI: -74
00:21.614	ID:5	broadcast message sent: packet[4]
00:21.616	ID:5	Max RSSI mote: 3 : -29
00:21.868	ID:5	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]' RSSI: -52
00:22.618	ID:5	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]' RSSI: -87
00:22.743	ID:5	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]' RSSI: -59
00:23.619	ID:5	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]' RSSI: -29
00:24.744	ID:5	broadcast message received from 9.0 [4 times]: 'ID:9 packet[5]' RSSI: -59

Filter: ^ID:[5]\$

Time	Mote	Message
00:00.509	ID:6	Rime started with address 6.0
00:00.519	ID:6	MAC 06:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started. Node id is set to 6.
00:00.528	ID:6	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.530	ID:6	Starting 'Broadcast example'
00:05.155	ID:6	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]' RSSI: -73
00:05.781	ID:6	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]' RSSI: -39
00:06.086	ID:6	broadcast message sent: packet[1]
00:06.088	ID:6	Max RSSI mote: 5 : -39
00:06.782	ID:6	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]' RSSI: -73
00:07.157	ID:6	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]' RSSI: -67
00:07.657	ID:6	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]' RSSI: -64
00:08.281	ID:6	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]' RSSI: -20
00:08.532	ID:6	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]' RSSI: -80
00:09.656	ID:6	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]' RSSI: -73
00:10.313	ID:6	broadcast message sent: packet[2]
00:10.314	ID:6	Max RSSI mote: 3 : -20
00:12.655	ID:6	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]' RSSI: -39
00:12.780	ID:6	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]' RSSI: -67
00:13.281	ID:6	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]' RSSI: -73
00:13.905	ID:6	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]' RSSI: -80
00:14.780	ID:6	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]' RSSI: -64
00:15.086	ID:6	broadcast message sent: packet[3]
00:15.088	ID:6	Max RSSI mote: 3 : -20
00:15.906	ID:6	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]' RSSI: -73
00:16.280	ID:6	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]' RSSI: -20
00:16.906	ID:6	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]' RSSI: -39
00:18.030	ID:6	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]' RSSI: -67
00:19.836	ID:6	broadcast message sent: packet[4]
00:19.838	ID:6	Max RSSI mote: 3 : -20
00:20.156	ID:6	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]' RSSI: -73
00:20.405	ID:6	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]' RSSI: -73
00:20.531	ID:6	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]' RSSI: -64
00:21.656	ID:6	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]' RSSI: -39
00:21.906	ID:6	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]' RSSI: -80
00:22.781	ID:6	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]' RSSI: -67
00:23.532	ID:6	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]' RSSI: -20
00:24.780	ID:6	broadcast message received from 9.0 [5 times]: 'ID:9 packet[5]' RSSI: -73
00:25.155	ID:6	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]' RSSI: -64
00:25.406	ID:6	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]' RSSI: -73

Filter: ^ID:[6]\$

Time	Mote	Message
00:00.660	ID:7	Rime started with address 7.0
00:00.670	ID:7	MAC 07:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started. Node id is set to 7.
00:00.679	ID:7	nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.681	ID:7	Starting 'Broadcast example'
00:05.182	ID:7	broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]' RSSI: -22
00:05.808	ID:7	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]' RSSI: -59
00:06.182	ID:7	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]' RSSI: -67
00:07.089	ID:7	broadcast message sent: packet[1]
00:07.091	ID:7	Max RSSI mote: 9 : -22
00:08.309	ID:7	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]' RSSI: -64
00:08.557	ID:7	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]' RSSI: -83
00:09.681	ID:7	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]' RSSI: -22
00:10.432	ID:7	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]' RSSI: -67
00:12.557	ID:7	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]' RSSI: -59
00:12.729	ID:7	broadcast message sent: packet[2]
00:12.731	ID:7	Max RSSI mote: 9 : -22
00:13.933	ID:7	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]' RSSI: -83
00:15.180	ID:7	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]' RSSI: -67
00:15.808	ID:7	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]' RSSI: -22
00:16.307	ID:7	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]' RSSI: -64
00:16.933	ID:7	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]' RSSI: -59
00:17.979	ID:7	broadcast message sent: packet[3]
00:17.981	ID:7	Max RSSI mote: 9 : -22
00:19.930	ID:7	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]' RSSI: -67
00:21.681	ID:7	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]' RSSI: -59
00:21.931	ID:7	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]' RSSI: -83
00:22.675	ID:7	broadcast message sent: packet[4]
00:22.677	ID:7	Max RSSI mote: 9 : -22
00:23.556	ID:7	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]' RSSI: -64
00:24.807	ID:7	broadcast message received from 9.0 [4 times]: 'ID:9 packet[5]' RSSI: -22
00:25.806	ID:7	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]' RSSI: -59
00:26.058	ID:7	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]' RSSI: -67
00:26.909	ID:7	broadcast message sent: packet[5]
00:26.911	ID:7	Max RSSI mote: 9 : -22
00:27.183	ID:7	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]' RSSI: -83

Filter: ^ID:[7]\$

2.2.2. Dữ liệu được in ra từ cửa sổ Mote output

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00:00.331      ID:8  Rime started with address 8.0
00:00.341      ID:8  MAC 08:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 8.
00:00.350      ID:8  nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.352      ID:8  Starting 'Broadcast example'
00:00.495      ID:2  Rime started with address 2.0
00:00.504      ID:2  MAC 02:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 2.
00:00.509      ID:6  Rime started with address 6.0
00:00.513      ID:2  nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.515      ID:2  Starting 'Broadcast example'
00:00.519      ID:6  MAC 06:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 6.
00:00.528      ID:6  nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.530      ID:6  Starting 'Broadcast example'
00:00.607      ID:4  Rime started with address 4.0
00:00.616      ID:4  MAC 04:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 4.
00:00.625      ID:4  nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.627      ID:4  Starting 'Broadcast example'
00:00.641      ID:1  Rime started with address 1.0
00:00.650      ID:1  MAC 01:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 1.
00:00.659      ID:1  nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.660      ID:7  Rime started with address 7.0
00:00.661      ID:1  Starting 'Broadcast example'
00:00.670      ID:7  MAC 07:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 7.
00:00.679      ID:7  nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.681      ID:7  Starting 'Broadcast example'
00:00.815      ID:10 Rime started with address 10.0
00:00.825      ID:10 MAC 0a:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 10.
00:00.834      ID:10 nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.836      ID:10 Starting 'Broadcast example'
00:00.967      ID:9  Rime started with address 9.0
00:00.974      ID:5  Rime started with address 5.0
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00:00.976      ID:9  MAC 09:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 9.

00:00.983      ID:5  MAC 05:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 5.

00:00.986      ID:9  nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.988      ID:9  Starting 'Broadcast example'
00:00.992      ID:5  nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:00.994      ID:5  Starting 'Broadcast example'
00:01.158      ID:3  Rime started with address 3.0
00:01.167      ID:3  MAC 03:00:00:00:00:00:00:00 Contiki-3.x-3345-g32b5b17f6 started.
Node id is set to 3.

00:01.176      ID:3  nullsec CSMA ContikiMAC, channel check rate 8 Hz, radio channel 26
00:01.178      ID:3  Starting 'Broadcast example'
00:05.099      ID:9  broadcast message sent: packet[1]
00:05.101      ID:9  Max RSSI mote: 11 : -120
00:05.131      ID:4  broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
RSSI: -76
00:05.155      ID:6  broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
RSSI: -73
00:05.180      ID:3  broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
RSSI: -68
00:05.182      ID:7  broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
RSSI: -22
00:05.245      ID:5  broadcast message received from 9.0 [1 times]: 'ID:9 packet[1]'
RSSI: -59
00:05.699      ID:5  broadcast message sent: packet[1]
00:05.701      ID:5  Max RSSI mote: 9 : -59
00:05.726      ID:8  broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
RSSI: -70
00:05.740      ID:9  broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
RSSI: -59
00:05.754      ID:4  broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
RSSI: -52
00:05.767      ID:2  broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
RSSI: -74
00:05.781      ID:6  broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
RSSI: -39
00:05.789      ID:1  broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
RSSI: -87
00:05.798      ID:10 broadcast message sent: packet[1]

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00:05.800	ID:10	Max RSSI mote: 11 : -120
00:05.805 RSSI: -29	ID:3	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.808 RSSI: -59	ID:7	broadcast message received from 5.0 [1 times]: 'ID:5 packet[1]'
00:05.853 RSSI: -84	ID:8	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:05.880 RSSI: -67	ID:4	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:05.892 RSSI: -74	ID:2	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:05.913 RSSI: -20	ID:1	broadcast message received from 10.0 [1 times]: 'ID:10 packet[1]'
00:05.960	ID:1	broadcast message sent: packet[1]
00:05.962	ID:1	Max RSSI mote: 10 : -20
00:05.995 RSSI: -87	ID:5	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:06.003 RSSI: -58	ID:4	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:06.014 RSSI: -77	ID:2	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:06.086	ID:6	broadcast message sent: packet[1]
00:06.088	ID:6	Max RSSI mote: 5 : -39
00:06.088 RSSI: -20	ID:10	broadcast message received from 1.0 [1 times]: 'ID:1 packet[1]'
00:06.113 RSSI: -73	ID:9	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.118 RSSI: -39	ID:5	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.126 RSSI: -80	ID:4	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.143 RSSI: -73	ID:2	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.179 RSSI: -20	ID:3	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.182 RSSI: -67	ID:7	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.228 RSSI: -64	ID:8	broadcast message received from 6.0 [1 times]: 'ID:6 packet[1]'
00:06.665	ID:2	broadcast message sent: packet[1]
00:06.667	ID:2	Max RSSI mote: 6 : -73

00:06.711	ID:10	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
RSSI: -74		
00:06.728	ID:8	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
RSSI: -21		
00:06.747	ID:5	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
RSSI: -74		
00:06.755	ID:4	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
RSSI: -85		
00:06.782	ID:6	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
RSSI: -73		
00:06.788	ID:1	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
RSSI: -77		
00:06.804	ID:3	broadcast message received from 2.0 [1 times]: 'ID:2 packet[1]'
RSSI: -70		
00:07.089	ID:7	broadcast message sent: packet[1]
00:07.091	ID:7	Max RSSI mote: 9 : -22
00:07.113	ID:9	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
RSSI: -22		
00:07.121	ID:5	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
RSSI: -59		
00:07.129	ID:4	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
RSSI: -83		
00:07.157	ID:6	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
RSSI: -67		
00:07.179	ID:3	broadcast message received from 7.0 [1 times]: 'ID:7 packet[1]'
RSSI: -64		
00:07.611	ID:8	broadcast message sent: packet[1]
00:07.613	ID:8	Max RSSI mote: 2 : -21
00:07.641	ID:2	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
RSSI: -21		
00:07.657	ID:6	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
RSSI: -64		
00:07.663	ID:1	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
RSSI: -86		
00:07.679	ID:3	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
RSSI: -63		
00:07.712	ID:10	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
RSSI: -84		
00:07.745	ID:5	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
RSSI: -70		
00:07.753	ID:4	broadcast message received from 8.0 [1 times]: 'ID:8 packet[1]'
RSSI: -88		

00:08.180	ID:3	broadcast message sent: packet[1]
00:08.182	ID:3	Max RSSI mote: 6 : -20
00:08.229	ID:8	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
RSSI: -63		
00:08.240	ID:9	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
RSSI: -68		
00:08.246	ID:5	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
RSSI: -29		
00:08.254	ID:4	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
RSSI: -70		
00:08.267	ID:2	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
RSSI: -70		
00:08.281	ID:6	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
RSSI: -20		
00:08.309	ID:7	broadcast message received from 3.0 [1 times]: 'ID:3 packet[1]'
RSSI: -64		
00:08.481	ID:4	broadcast message sent: packet[1]
00:08.482	ID:4	Max RSSI mote: 5 : -52
00:08.516	ID:2	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
RSSI: -85		
00:08.532	ID:6	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
RSSI: -80		
00:08.538	ID:1	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
RSSI: -58		
00:08.554	ID:3	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
RSSI: -70		
00:08.557	ID:7	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
RSSI: -83		
00:08.587	ID:10	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
RSSI: -67		
00:08.603	ID:8	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
RSSI: -88		
00:08.614	ID:9	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
RSSI: -76		
00:08.620	ID:5	broadcast message received from 4.0 [1 times]: 'ID:4 packet[1]'
RSSI: -52		
00:09.567	ID:9	broadcast message sent: packet[2]
00:09.569	ID:9	Max RSSI mote: 7 : -22
00:09.621	ID:5	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
RSSI: -59		

00:09.629	ID:4	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
RSSI: -76		
00:09.656	ID:6	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
RSSI: -73		
00:09.679	ID:3	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
RSSI: -68		
00:09.681	ID:7	broadcast message received from 9.0 [2 times]: 'ID:9 packet[2]'
RSSI: -22		
00:10.313	ID:6	broadcast message sent: packet[2]
00:10.314	ID:6	Max RSSI mote: 3 : -20
00:10.353	ID:8	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
RSSI: -64		
00:10.363	ID:9	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
RSSI: -73		
00:10.369	ID:5	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
RSSI: -39		
00:10.377	ID:4	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
RSSI: -80		
00:10.391	ID:2	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
RSSI: -73		
00:10.429	ID:3	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
RSSI: -20		
00:10.432	ID:7	broadcast message received from 6.0 [2 times]: 'ID:6 packet[2]'
RSSI: -67		
00:11.116	ID:1	broadcast message sent: packet[2]
00:11.118	ID:1	Max RSSI mote: 10 : -20
00:11.142	ID:2	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
RSSI: -77		
00:11.211	ID:10	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
RSSI: -20		
00:11.228	ID:8	broadcast message received from 1.0 [1 times]: 'ID:1 packet[2]'
RSSI: -86		
00:11.247	ID:5	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
RSSI: -87		
00:11.255	ID:4	broadcast message received from 1.0 [2 times]: 'ID:1 packet[2]'
RSSI: -58		
00:11.681	ID:10	broadcast message sent: packet[2]
00:11.683	ID:10	Max RSSI mote: 1 : -20
00:11.727	ID:8	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
RSSI: -84		

00:11.754	ID:4	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
RSSI: -67		
00:11.765	ID:2	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
RSSI: -74		
00:11.787	ID:1	broadcast message received from 10.0 [2 times]: 'ID:10 packet[2]'
RSSI: -20		
00:12.511	ID:5	broadcast message sent: packet[2]
00:12.513	ID:5	Max RSSI mote: 3 : -29
00:12.537	ID:1	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
RSSI: -87		
00:12.554	ID:3	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
RSSI: -29		
00:12.557	ID:7	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
RSSI: -59		
00:12.603	ID:8	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
RSSI: -70		
00:12.614	ID:9	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
RSSI: -59		
00:12.628	ID:4	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
RSSI: -52		
00:12.642	ID:2	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
RSSI: -74		
00:12.655	ID:6	broadcast message received from 5.0 [2 times]: 'ID:5 packet[2]'
RSSI: -39		
00:12.729	ID:7	broadcast message sent: packet[2]
00:12.731	ID:7	Max RSSI mote: 9 : -22
00:12.753	ID:4	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
RSSI: -83		
00:12.780	ID:6	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
RSSI: -67		
00:12.805	ID:3	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
RSSI: -64		
00:12.863	ID:9	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
RSSI: -22		
00:12.871	ID:5	broadcast message received from 7.0 [2 times]: 'ID:7 packet[2]'
RSSI: -59		
00:13.236	ID:2	broadcast message sent: packet[2]
00:13.237	ID:2	Max RSSI mote: 8 : -21
00:13.281	ID:6	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
RSSI: -73		

00:13.287	ID:1	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
RSSI: -77		
00:13.303	ID:3	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
RSSI: -70		
00:13.336	ID:10	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
RSSI: -74		
00:13.353	ID:8	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
RSSI: -21		
00:13.369	ID:5	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
RSSI: -74		
00:13.380	ID:4	broadcast message received from 2.0 [2 times]: 'ID:2 packet[2]'
RSSI: -85		
00:13.879	ID:4	broadcast message sent: packet[2]
00:13.881	ID:4	Max RSSI mote: 5 : -52
00:13.905	ID:6	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
RSSI: -80		
00:13.913	ID:1	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
RSSI: -58		
00:13.930	ID:3	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
RSSI: -70		
00:13.933	ID:7	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
RSSI: -83		
00:13.963	ID:10	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
RSSI: -67		
00:13.979	ID:8	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
RSSI: -88		
00:13.987	ID:9	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
RSSI: -76		
00:13.993	ID:5	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
RSSI: -52		
00:14.017	ID:2	broadcast message received from 4.0 [2 times]: 'ID:4 packet[2]'
RSSI: -85		
00:14.666	ID:8	broadcast message sent: packet[2]
00:14.668	ID:8	Max RSSI mote: 2 : -21
00:14.711	ID:10	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
RSSI: -84		
00:14.744	ID:5	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
RSSI: -70		
00:14.753	ID:4	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
RSSI: -88		
00:14.766	ID:2	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
RSSI: -21		

00:14.780	ID:6	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
RSSI: -64		
00:14.788	ID:1	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
RSSI: -86		
00:14.804	ID:3	broadcast message received from 8.0 [2 times]: 'ID:8 packet[2]'
RSSI: -63		
00:15.086	ID:6	broadcast message sent: packet[3]
00:15.088	ID:6	Max RSSI mote: 3 : -20
00:15.115	ID:9	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
RSSI: -73		
00:15.120	ID:5	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
RSSI: -39		
00:15.129	ID:4	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
RSSI: -80		
00:15.142	ID:2	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
RSSI: -73		
00:15.180	ID:7	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
RSSI: -67		
00:15.180	ID:3	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
RSSI: -20		
00:15.227	ID:8	broadcast message received from 6.0 [3 times]: 'ID:6 packet[3]'
RSSI: -64		
00:15.770	ID:9	broadcast message sent: packet[3]
00:15.772	ID:9	Max RSSI mote: 7 : -22
00:15.805	ID:3	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
RSSI: -68		
00:15.808	ID:7	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
RSSI: -22		
00:15.871	ID:5	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
RSSI: -59		
00:15.879	ID:4	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
RSSI: -76		
00:15.906	ID:6	broadcast message received from 9.0 [3 times]: 'ID:9 packet[3]'
RSSI: -73		
00:16.164	ID:3	broadcast message sent: packet[2]
00:16.166	ID:3	Max RSSI mote: 6 : -20
00:16.228	ID:8	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
RSSI: -63		
00:16.236	ID:9	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
RSSI: -68		

00:16.244	ID:5	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
RSSI: -29		
00:16.253	ID:4	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
RSSI: -70		
00:16.266	ID:2	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
RSSI: -70		
00:16.280	ID:6	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
RSSI: -20		
00:16.307	ID:7	broadcast message received from 3.0 [2 times]: 'ID:3 packet[2]'
RSSI: -64		
00:16.808	ID:5	broadcast message sent: packet[3]
00:16.810	ID:5	Max RSSI mote: 3 : -29
00:16.854	ID:8	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
RSSI: -70		
00:16.864	ID:9	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
RSSI: -59		
00:16.878	ID:4	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
RSSI: -52		
00:16.892	ID:2	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
RSSI: -74		
00:16.906	ID:6	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
RSSI: -39		
00:16.911	ID:1	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
RSSI: -87		
00:16.930	ID:3	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
RSSI: -29		
00:16.933	ID:7	broadcast message received from 5.0 [3 times]: 'ID:5 packet[3]'
RSSI: -59		
00:17.507	ID:1	broadcast message sent: packet[3]
00:17.509	ID:1	Max RSSI mote: 10 : -20
00:17.588	ID:10	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
RSSI: -20		
00:17.621	ID:5	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
RSSI: -87		
00:17.629	ID:4	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
RSSI: -58		
00:17.640	ID:2	broadcast message received from 1.0 [3 times]: 'ID:1 packet[3]'
RSSI: -77		
00:17.979	ID:7	broadcast message sent: packet[3]
00:17.981	ID:7	Max RSSI mote: 9 : -22

00:18.003	ID:4	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
RSSI: -83		
00:18.030	ID:6	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
RSSI: -67		
00:18.055	ID:3	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
RSSI: -64		
00:18.115	ID:9	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
RSSI: -22		
00:18.118	ID:5	broadcast message received from 7.0 [3 times]: 'ID:7 packet[3]'
RSSI: -59		
00:18.361	ID:10	broadcast message sent: packet[3]
00:18.362	ID:10	Max RSSI mote: 1 : -20
00:18.392	ID:2	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
RSSI: -74		
00:18.412	ID:1	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
RSSI: -20		
00:18.477	ID:8	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
RSSI: -84		
00:18.505	ID:4	broadcast message received from 10.0 [3 times]: 'ID:10 packet[3]'
RSSI: -67		
00:19.836	ID:6	broadcast message sent: packet[4]
00:19.838	ID:6	Max RSSI mote: 3 : -20
00:19.865	ID:9	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
RSSI: -73		
00:19.870	ID:5	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
RSSI: -39		
00:19.879	ID:4	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
RSSI: -80		
00:19.892	ID:2	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
RSSI: -73		
00:19.930	ID:7	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
RSSI: -67		
00:19.930	ID:3	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
RSSI: -20		
00:19.977	ID:8	broadcast message received from 6.0 [4 times]: 'ID:6 packet[4]'
RSSI: -64		
00:20.103	ID:2	broadcast message sent: packet[3]
00:20.104	ID:2	Max RSSI mote: 8 : -21
00:20.129	ID:4	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
RSSI: -85		

00:20.156	ID:6	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
RSSI: -73		
00:20.162	ID:1	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
RSSI: -77		
00:20.178	ID:3	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
RSSI: -70		
00:20.211	ID:10	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
RSSI: -74		
00:20.227	ID:8	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
RSSI: -21		
00:20.247	ID:5	broadcast message received from 2.0 [3 times]: 'ID:2 packet[3]'
RSSI: -74		
00:20.357	ID:9	broadcast message sent: packet[4]
00:20.359	ID:9	Max RSSI mote: 7 : -22
00:20.392	ID:8	broadcast message sent: packet[3]
00:20.394	ID:8	Max RSSI mote: 2 : -21
00:20.405	ID:6	broadcast message received from 9.0 [4 times]: 'ID:9 packet[4]'
RSSI: -73		
00:20.507	ID:4	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
RSSI: -88		
00:20.518	ID:2	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
RSSI: -21		
00:20.531	ID:6	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
RSSI: -64		
00:20.537	ID:1	broadcast message received from 8.0 [3 times]: 'ID:8 packet[3]'
RSSI: -86		
00:21.614	ID:5	broadcast message sent: packet[4]
00:21.616	ID:5	Max RSSI mote: 3 : -29
00:21.640	ID:2	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
RSSI: -74		
00:21.656	ID:6	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
RSSI: -39		
00:21.662	ID:1	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
RSSI: -87		
00:21.678	ID:3	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
RSSI: -29		
00:21.681	ID:7	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
RSSI: -59		
00:21.699	ID:4	broadcast message sent: packet[3]
00:21.701	ID:4	Max RSSI mote: 5 : -52

00:21.728	ID:8	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
RSSI: -70		
00:21.738	ID:9	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
RSSI: -59		
00:21.752	ID:4	broadcast message received from 5.0 [4 times]: 'ID:5 packet[4]'
RSSI: -52		
00:21.854	ID:8	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
RSSI: -88		
00:21.862	ID:9	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
RSSI: -76		
00:21.868	ID:5	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
RSSI: -52		
00:21.892	ID:2	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
RSSI: -85		
00:21.906	ID:6	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
RSSI: -80		
00:21.911	ID:1	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
RSSI: -58		
00:21.931	ID:7	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
RSSI: -83		
00:21.931	ID:3	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
RSSI: -70		
00:21.961	ID:10	broadcast message received from 4.0 [3 times]: 'ID:4 packet[3]'
RSSI: -67		
00:22.531	ID:1	broadcast message sent: packet[4]
00:22.533	ID:1	Max RSSI mote: 10 : -20
00:22.587	ID:10	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
RSSI: -20		
00:22.604	ID:8	broadcast message received from 1.0 [2 times]: 'ID:1 packet[4]'
RSSI: -86		
00:22.618	ID:5	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
RSSI: -87		
00:22.629	ID:4	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
RSSI: -58		
00:22.642	ID:2	broadcast message received from 1.0 [4 times]: 'ID:1 packet[4]'
RSSI: -77		
00:22.675	ID:7	broadcast message sent: packet[4]
00:22.677	ID:7	Max RSSI mote: 9 : -22
00:22.737	ID:9	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
RSSI: -22		
00:22.743	ID:5	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
RSSI: -59		

00:22.754	ID:4	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
RSSI: -83		
00:22.781	ID:6	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
RSSI: -67		
00:22.805	ID:3	broadcast message received from 7.0 [4 times]: 'ID:7 packet[4]'
RSSI: -64		
00:22.892	ID:10	broadcast message sent: packet[4]
00:22.894	ID:10	Max RSSI mote: 1 : -20
00:22.978	ID:8	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
RSSI: -84		
00:23.003	ID:4	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
RSSI: -67		
00:23.017	ID:2	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
RSSI: -74		
00:23.038	ID:1	broadcast message received from 10.0 [4 times]: 'ID:10 packet[4]'
RSSI: -20		
00:23.508	ID:3	broadcast message sent: packet[3]
00:23.510	ID:3	Max RSSI mote: 6 : -20
00:23.532	ID:6	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
RSSI: -20		
00:23.556	ID:7	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
RSSI: -64		
00:23.603	ID:8	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
RSSI: -63		
00:23.614	ID:9	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
RSSI: -68		
00:23.619	ID:5	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
RSSI: -29		
00:23.628	ID:4	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
RSSI: -70		
00:23.641	ID:2	broadcast message received from 3.0 [3 times]: 'ID:3 packet[3]'
RSSI: -70		
00:24.669	ID:9	broadcast message sent: packet[5]
00:24.670	ID:9	Max RSSI mote: 7 : -22
00:24.744	ID:5	broadcast message received from 9.0 [4 times]: 'ID:9 packet[5]'
RSSI: -59		
00:24.753	ID:4	broadcast message received from 9.0 [4 times]: 'ID:9 packet[5]'
RSSI: -76		
00:24.780	ID:6	broadcast message received from 9.0 [5 times]: 'ID:9 packet[5]'
RSSI: -73		

00:24.805	ID:3	broadcast message received from 9.0 [4 times]: 'ID:9 packet[5]'
RSSI: -68		
00:24.807	ID:7	broadcast message received from 9.0 [4 times]: 'ID:9 packet[5]'
RSSI: -22		
00:25.033	ID:8	broadcast message sent: packet[4]
00:25.035	ID:8	Max RSSI mote: 2 : -21
00:25.071	ID:2	broadcast message sent: packet[4]
00:25.073	ID:2	Max RSSI mote: 8 : -21
00:25.086	ID:10	broadcast message received from 8.0 [3 times]: 'ID:8 packet[4]'
RSSI: -84		
00:25.120	ID:5	broadcast message received from 8.0 [3 times]: 'ID:8 packet[4]'
RSSI: -70		
00:25.128	ID:4	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
RSSI: -88		
00:25.139	ID:2	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
RSSI: -21		
00:25.155	ID:6	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
RSSI: -64		
00:25.163	ID:1	broadcast message received from 8.0 [4 times]: 'ID:8 packet[4]'
RSSI: -86		
00:25.177	ID:3	broadcast message received from 8.0 [3 times]: 'ID:8 packet[4]'
RSSI: -63		
00:25.406	ID:6	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
RSSI: -73		
00:25.412	ID:1	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
RSSI: -77		
00:25.428	ID:3	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
RSSI: -70		
00:25.461	ID:10	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
RSSI: -74		
00:25.478	ID:8	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
RSSI: -21		
00:25.497	ID:5	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
RSSI: -74		
00:25.505	ID:4	broadcast message received from 2.0 [4 times]: 'ID:2 packet[4]'
RSSI: -85		
00:25.769	ID:5	broadcast message sent: packet[5]
00:25.771	ID:5	Max RSSI mote: 3 : -29
00:25.804	ID:3	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
RSSI: -29		

00:25.806	ID:7	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
RSSI: -59		
00:25.853	ID:8	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
RSSI: -70		
00:25.861	ID:9	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
RSSI: -59		
00:25.878	ID:4	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
RSSI: -52		
00:25.891	ID:2	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
RSSI: -74		
00:25.905	ID:6	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
RSSI: -39		
00:25.913	ID:1	broadcast message received from 5.0 [5 times]: 'ID:5 packet[5]'
RSSI: -87		
00:26.031	ID:6	broadcast message sent: packet[5]
00:26.033	ID:6	Max RSSI mote: 3 : -20
00:26.055	ID:3	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
RSSI: -20		
00:26.058	ID:7	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
RSSI: -67		
00:26.104	ID:8	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
RSSI: -64		
00:26.112	ID:9	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
RSSI: -73		
00:26.118	ID:5	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
RSSI: -39		
00:26.126	ID:4	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
RSSI: -80		
00:26.142	ID:2	broadcast message received from 6.0 [5 times]: 'ID:6 packet[5]'
RSSI: -73		
00:26.531	ID:1	broadcast message sent: packet[5]
00:26.533	ID:1	Max RSSI mote: 10 : -20
00:26.559	ID:4	broadcast message sent: packet[4]
00:26.560	ID:4	Max RSSI mote: 5 : -52
00:26.587	ID:10	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
RSSI: -20		
00:26.604	ID:8	broadcast message received from 1.0 [3 times]: 'ID:1 packet[5]'
RSSI: -86		
00:26.618	ID:5	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
RSSI: -87		

00:26.629	ID:4	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
RSSI: -58		
00:26.642	ID:2	broadcast message received from 1.0 [5 times]: 'ID:1 packet[5]'
RSSI: -77		
00:26.909	ID:7	broadcast message sent: packet[5]
00:26.911	ID:7	Max RSSI mote: 9 : -22
00:26.990	ID:9	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
RSSI: -22		
00:26.994	ID:5	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
RSSI: -59		
00:27.004	ID:4	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
RSSI: -83		
00:27.028	ID:6	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
RSSI: -67		
00:27.055	ID:3	broadcast message received from 7.0 [5 times]: 'ID:7 packet[5]'
RSSI: -64		
00:27.161	ID:1	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
RSSI: -58		
00:27.180	ID:3	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
RSSI: -70		
00:27.183	ID:7	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
RSSI: -83		
00:27.213	ID:10	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
RSSI: -67		
00:27.227	ID:8	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
RSSI: -88		
00:27.238	ID:9	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
RSSI: -76		
00:27.246	ID:5	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
RSSI: -52		
00:27.265	ID:2	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
RSSI: -85		
00:27.282	ID:6	broadcast message received from 4.0 [4 times]: 'ID:4 packet[4]'
RSSI: -80		