

Roam Test Report

2024-11-29-02-53-24

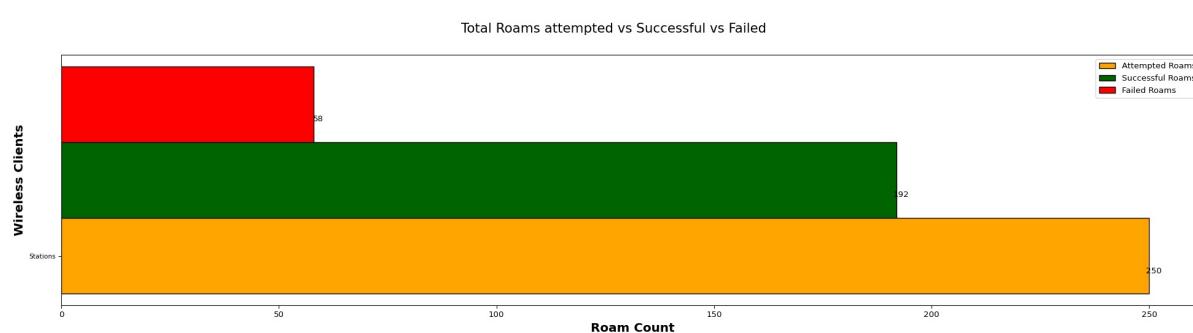


Test Setup Information	SSID	Roaming
	Security	wpa2
	Sniffer Radio	1.1.wiphy0
	Iterations	5
	No of Roams	10
	No of Devices	25 (A:19, W:3, L:0, M:0)

Objective

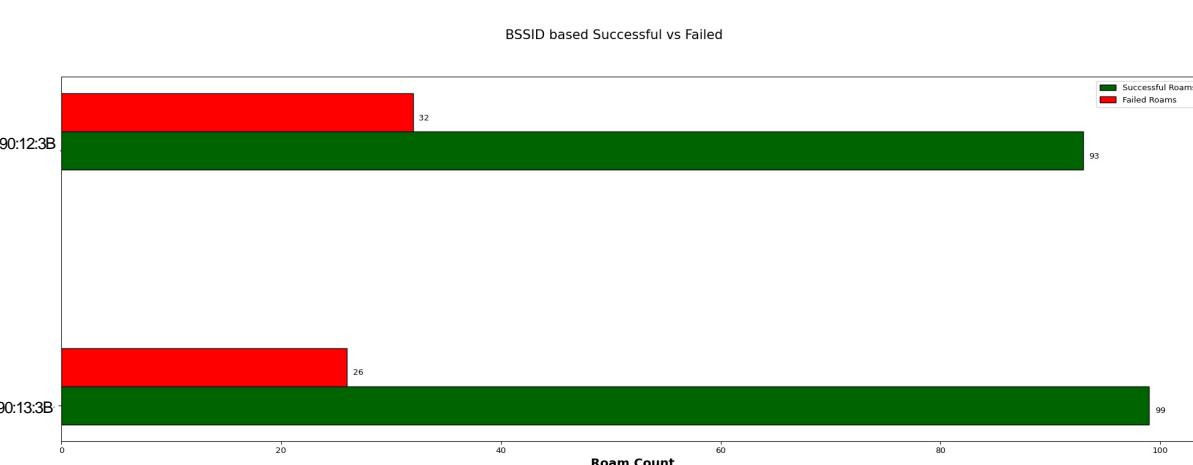
The Candela Roam test uses the forced roam method to create and roam hundreds of WiFi stations between two or more APs with the same SSID or the same channel of different channels. The user can run thousands of roams over long durations and the test measures roaming delay for each roam, station connection times, network down time, packet loss etc.. The user can run this test using different security methods and compare the roaming performance. The expected behavior is the roaming delay should be 50msecs or less for all various kinds of fast roaming methods to avoid any form of service interruption to real-time delay sensitive applications.

Total Roams attempted vs Successful vs Failed



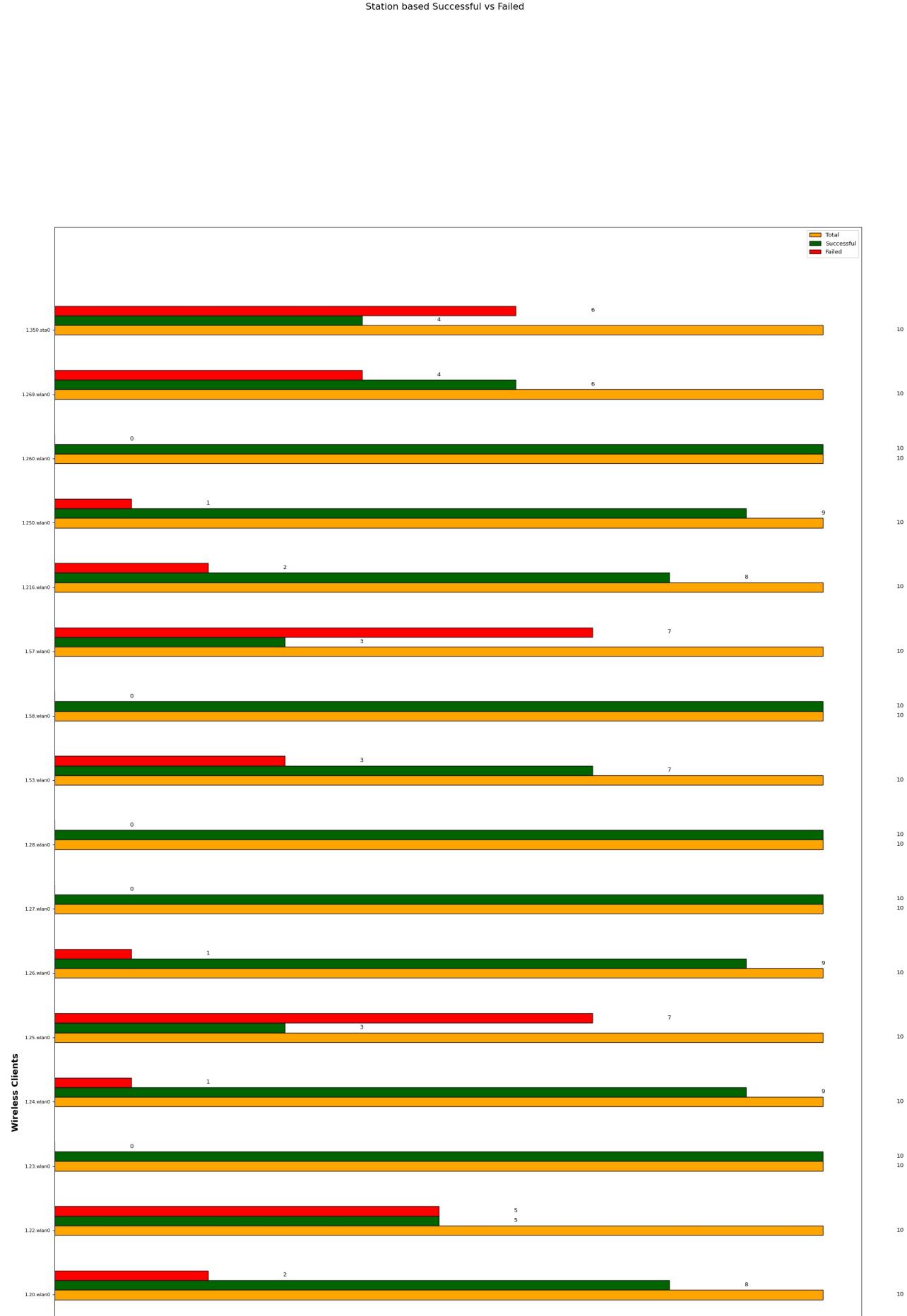
Total Attempted Roams	Total Successful Roams	Total Failed Roams
250	192	58

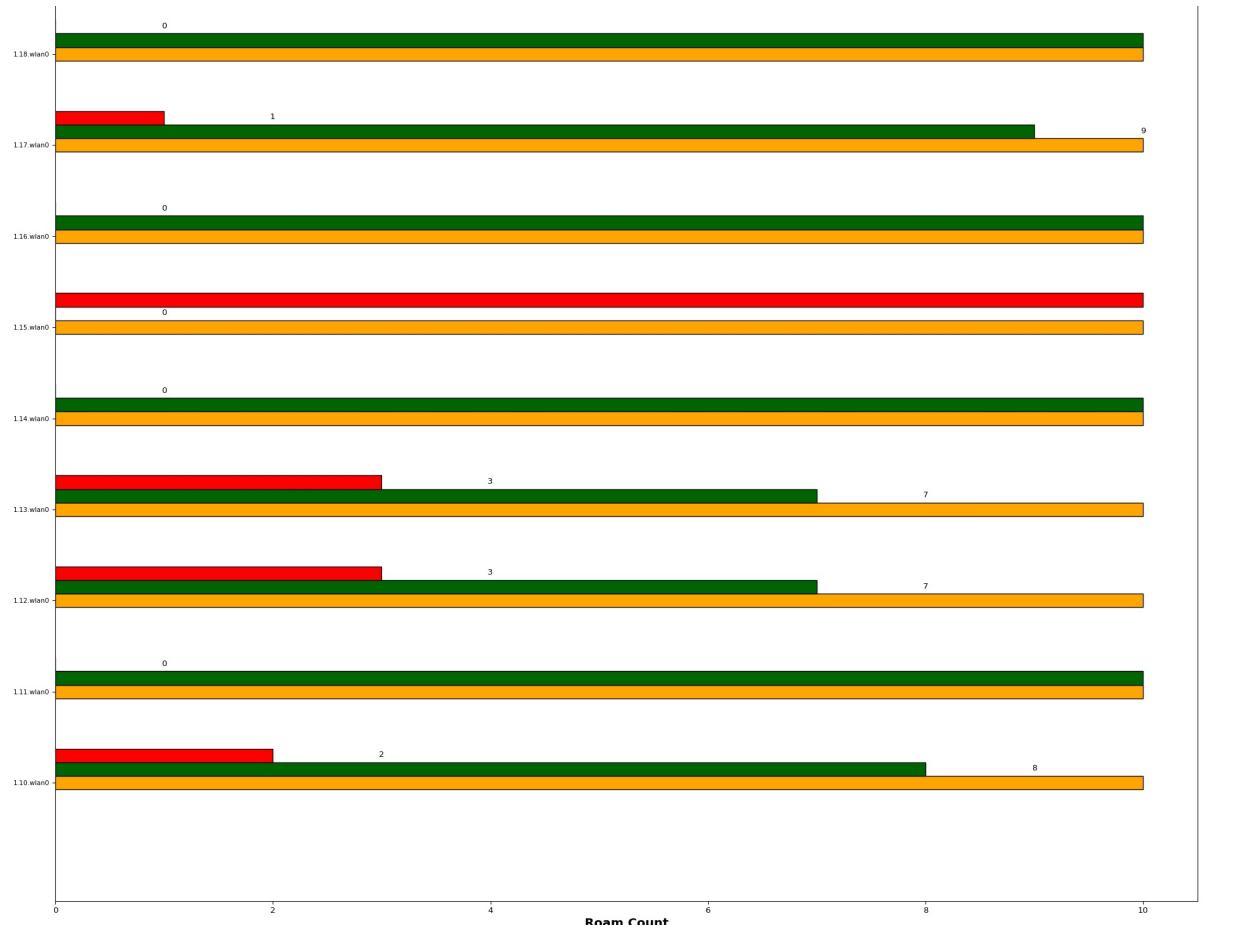
BSSID based Successful vs Failed



BSSID	Successful Roams	Failed Roams
3A:76:12:90:12:3B	99	26
3A:76:12:90:13:3B	93	32

Station based Successful vs Failed





Device	OS	MAC	Attempted Roams	Successful Roams	Failed Roams
vivo1509	Android	d2:49:9d:c5:9e:7c	10	8	2
v2109	Android	86:20:53:95:46:0d	10	10	0
phone369	Android	aa:b2:e7:22:af:0d	10	7	3
samsung059	Android	4e:c3:c0:d3:5b:9e	10	7	3
vivo1933	Android	c2:e0:e9:57:89:13	10	10	0
samsungaaa1	Android	72:ef:0d:e0:10:92	10	0	10
samsungm4023	Android	2e:d9:5a:23:e7:f0	10	10	0
v2111	Android	d4:63:de:c8:8e:2a	10	9	1
devices	Android	70:5a:ac:72:63:37	10	10	0
vivo1938	Android	8a:72:66:4f:a0:42	10	8	2
nokia	Android	36:29:d2:65:87:cf	10	5	5
rmx2002	Android	12:99:5c:8e:7f:b9	10	10	0
Samsung1g1	Android	60:f1:89:84:48:b5	10	9	1
1.25.wlan0	NA	NA	10	3	7
samsung11	Android	c2:4e:72:9b:63:5b	10	9	1
v2214	Android	9a:d2:be:d4:ff:07	10	10	0
vivo051	Android	66:2c:d2:34:e9:aa	10	10	0

vivo1901	Android	da:f1:8b:d7:e7:31	10	7	3
vivo2152	Android	2a:b7:65:b2:48:5a	10	10	0
oppo1	Android	0e:85:59:00:95:e2	10	3	7
1.216.wlan0	NA	NA	10	8	2
DESKTOP-3OSF0BQ	Windows	0c:54:15:cb:95:5d	10	9	1
DESKTOP-QNG7LTT	Windows	5c:3a:45:49:22:c7	10	10	0
Dell	Windows	40:1c:83:3c:81:15	10	6	4
1.350.sta0	NA	NA	10	4	6

Roam time data in Iteration 1 Roam 1

Station	MAC	Channel	Signal Strength (dBm)	BSSID before roaming	BSSID after roaming	Roam time (ms)
1.10.wlan0	d2:49:9d:c5:9e:7c	36	-58	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.11.wlan0	86:20:53:95:46:0d	36	-76	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.12.wlan0	aa:b2:e7:22:af:0d	36	-62	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	842.569
1.13.wlan0	4e:c3:c0:d3:5b:9e	36	-60	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.14.wlan0	c2:e0:e9:57:89:13	36	-71	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.15.wlan0	72:ef:0d:e0:10:92	36	-59	02:00:00:00:00:00	02:00:00:00:00:00	NA
1.16.wlan0	2e:d9:5a:23:e7:f0	36	-58	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	Missing Authentication or Request Packet
1.17.wlan0	d4:63:de:c8:8e:2a	36	-76	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.18.wlan0	70:5a:ac:72:63:37	36	-51	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	38.924
1.20.wlan0	8a:72:66:4f:a0:42	36	-77	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.22.wlan0	36:29:d2:65:87:cf	36	-58	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.23.wlan0	12:99:5c:8e:7f:b9	36	-86	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.24.wlan0	60:f1:89:84:48:b5	36	-68	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.25.wlan0	8e:dd:12:e4:32:6e	36	-59	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.26.wlan0	c2:4e:72:9b:63:5b	36	-80	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	5.124
1.27.wlan0	9a:d2:be:d4:ff:07	36	-68	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.28.wlan0	66:2c:d2:34:e9:aa	36	-72	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.53.wlan0	da:f1:8b:d7:e7:31	36	-74	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	27.294
1.58.wlan0	2a:b7:65:b2:48:5a	36	-58	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	9.248
1.57.wlan0	0e:85:59:00:95:e2	36	-86	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.216.wlan0	f0:d5:bf:fa:bf:4f	36	-84	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	Missing Authentication or Request Packet
1.250.wlan0	0c:54:15:cb:95:5d	36	-87	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.260.wlan0	5c:3a:45:49:22:c7	36	-82	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.269.wlan0	40:1c:83:3c:81:15	36	-78	90:3C:B3:B1:70:0D	NA	NA
1.350.sta0	d4:1b:81:25:e0:af	36	-78	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA

Roam time data in Iteration 1 Roam 2

Station	MAC	Channel	Signal Strength (dBm)	BSSID before roaming	BSSID after roaming	Roam time (ms)
1.10.wlan0	d2:49:9d:c5:9e:7c	36	-68	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	220.067
1.11.wlan0	86:20:53:95:46:0d	36	-84	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.12.wlan0	aa:b2:e7:22:af:0d	36	-66	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.13.wlan0	4e:c3:c0:d3:5b:9e	36	-73	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.14.wlan0	c2:e0:e9:57:89:13	36	-76	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.15.wlan0	72:ef:0d:e0:10:92	36	-42	02:00:00:00:00:00	02:00:00:00:00:00	NA

1.16.wlan0	2e:d9:5a:23:e7:f0	36	-54	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.17.wlan0	d4:63:de:c8:8e:2a	36	-74	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	7.506
1.18.wlan0	70:5a:ac:72:63:37	36	-71	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	41.572
1.20.wlan0	8a:72:66:4f:a0:42	36	-73	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.22.wlan0	36:29:d2:65:87:cf	36	-48	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.23.wlan0	12:99:5c:8e:7f:b9	36	-36	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	10.185
1.24.wlan0	60:f1:89:84:48:b5	36	-76	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.25.wlan0	8e:dd:12:e4:32:6e	36	-66	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.26.wlan0	c2:4e:72:9b:63:5b	36	-57	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	10.761
1.27.wlan0	9a:d2:be:d4:ff:07	36	-45	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	11.306
1.28.wlan0	66:2c:d2:34:e9:aa	36	-67	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.53.wlan0	da:f1:8b:d7:e7:31	36	-77	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.58.wlan0	2a:b7:65:b2:48:5a	36	-79	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.57.wlan0	0e:85:59:00:95:e2	36	-34	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.216.wlan0	f0:d5:bf:fa:bf:4f	36	-80	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.250.wlan0	0c:54:15:cb:95:5d	36	-76	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.260.wlan0	5c:3a:45:49:22:c7	36	-76	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	5.052
1.269.wlan0	40:1c:83:3c:81:15	36	-81	90:3C:B3:6C:41:C5	NA	NA
1.350.sta0	d4:1b:81:25:e0:af	36	-83	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	NA

Roam time data in Iteration 2 Roam 3

Station	MAC	Channel	Signal Strength (dBm)	BSSID before roaming	BSSID after roaming	Roam time (ms)
1.10.wlan0	d2:49:9d:c5:9e:7c	36	-90	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	305.413
1.11.wlan0	86:20:53:95:46:0d	36	-78	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.12.wlan0	aa:b2:e7:22:af:0d	36	-53	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.13.wlan0	4e:c3:c0:d3:5b:9e	36	-67	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.14.wlan0	c2:e0:e9:57:89:13	36	-78	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.15.wlan0	72:ef:0d:e0:10:92	36	-90	02:00:00:00:00:00	02:00:00:00:00:00	NA
1.16.wlan0	2e:d9:5a:23:e7:f0	36	-54	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	Missing Authentication or Request Packet
1.17.wlan0	d4:63:de:c8:8e:2a	36	-71	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.18.wlan0	70:5a:ac:72:63:37	36	-83	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	5.816
1.20.wlan0	8a:72:66:4f:a0:42	36	-77	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.22.wlan0	36:29:d2:65:87:cf	36	-78	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.23.wlan0	12:99:5c:8e:7f:b9	36	-70	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.24.wlan0	60:f1:89:84:48:b5	36	-72	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.25.wlan0	8e:dd:12:e4:32:6e	36	-85	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.26.wlan0	c2:4e:72:9b:63:5b	36	-74	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	10.734
1.27.wlan0	9a:d2:be:d4:ff:07	36	-67	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.28.wlan0	66:2c:d2:34:e9:aa	36	-67	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.53.wlan0	da:f1:8b:d7:e7:31	36	-77	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.58.wlan0	2a:b7:65:b2:48:5a	36	-69	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.57.wlan0	0e:85:59:00:95:e2	36	-86	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.216.wlan0	f0:d5:bf:fa:bf:4f	36	-84	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.250.wlan0	0c:54:15:cb:95:5d	36	-87	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.260.wlan0	5c:3a:45:49:22:c7	36	-78	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	9.322

1.269.wlan0	40:1c:83:3c:81:15	36	-90	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	9.521
1.350.sta0	d4:1b:81:25:e0:af	36	-62	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA

Roam time data in Iteration 2 Roam 4

Station	MAC	Channel	Signal Strength (dBm)	BSSID before roaming	BSSID after roaming	Roam time (ms)
1.10.wlan0	d2:49:9d:c5:9e:7c	36	-74	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	239.876
1.11.wlan0	86:20:53:95:46:0d	36	-71	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	6.407
1.12.wlan0	aa:b2:e7:22:af:0d	36	-56	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	69.587
1.13.wlan0	4e:c3:c0:d3:5b:9e	36	-55	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.14.wlan0	c2:e0:e9:57:89:13	36	-68	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.15.wlan0	72:ef:0d:e0:10:92	36	-43	02:00:00:00:00:00	02:00:00:00:00:00	NA
1.16.wlan0	2e:d9:5a:23:e7:f0	36	-75	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	934.965
1.17.wlan0	d4:63:de:c8:8e:2a	36	-41	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	Missing Authentication or Request Packet
1.18.wlan0	70:5a:ac:72:63:37	36	-71	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.20.wlan0	8a:72:66:4f:a0:42	36	-73	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.22.wlan0	36:29:d2:65:87:cf	36	-42	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.23.wlan0	12:99:5c:8e:7f:b9	36	-66	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	445.775
1.24.wlan0	60:f1:89:84:48:b5	36	-57	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.25.wlan0	8e:dd:12:e4:32:6e	36	-33	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.26.wlan0	c2:4e:72:9b:63:5b	36	-76	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.27.wlan0	9a:d2:be:d4:ff:07	36	-65	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.28.wlan0	66:2c:d2:34:e9:aa	36	-72	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.53.wlan0	da:f1:8b:d7:e7:31	36	-72	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.58.wlan0	2a:b7:65:b2:48:5a	36	-71	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.57.wlan0	0e:85:59:00:95:e2	36	-35	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.216.wlan0	f0:d5:bf:fa:bf:4f	36	-84	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	NA
1.250.wlan0	0c:54:15:cb:95:5d	36	-72	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.260.wlan0	5c:3a:45:49:22:c7	36	-60	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.269.wlan0	40:1c:83:3c:81:15	36	-79	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	62.792
1.350.sta0	d4:1b:81:25:e0:af	36	-84	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	NA

Roam time data in Iteration 3 Roam 5

Station	MAC	Channel	Signal Strength (dBm)	BSSID before roaming	BSSID after roaming	Roam time (ms)
1.10.wlan0	d2:49:9d:c5:9e:7c	36	-59	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.11.wlan0	86:20:53:95:46:0d	36	-61	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.12.wlan0	aa:b2:e7:22:af:0d	36	-62	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.13.wlan0	4e:c3:c0:d3:5b:9e	36	-67	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.14.wlan0	c2:e0:e9:57:89:13	36	-78	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.15.wlan0	72:ef:0d:e0:10:92	36	-58	02:00:00:00:00:00	02:00:00:00:00:00	NA
1.16.wlan0	2e:d9:5a:23:e7:f0	36	-75	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	8.753
1.17.wlan0	d4:63:de:c8:8e:2a	36	-71	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.18.wlan0	70:5a:ac:72:63:37	36	-58	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.20.wlan0	8a:72:66:4f:a0:42	36	-77	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.22.wlan0	36:29:d2:65:87:cf	36	-66	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.23.wlan0	12:99:5c:8e:7f:b9	36	-80	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	116.248

1.24.wlan0	60:f1:89:84:48:b5	36	-77	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	11.636
1.25.wlan0	8e:dd:12:e4:32:6e	36	-56	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	7.239
1.26.wlan0	c2:4e:72:9b:63:5b	36	-54	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	7.194
1.27.wlan0	9a:d2:be:d4:ff:07	36	-58	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	22.807
1.28.wlan0	66:2c:d2:34:e9:aa	36	-77	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.53.wlan0	da:f1:8b:d7:e7:31	36	-72	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.58.wlan0	2a:b7:65:b2:48:5a	36	-73	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	8.732
1.57.wlan0	0e:85:59:00:95:e2	36	-86	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.216.wlan0	f0:d5:bf:fa:bf:4f	36	-80	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	4.657
1.250.wlan0	0c:54:15:cb:95:5d	36	-71	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	35.498
1.260.wlan0	5c:3a:45:49:22:c7	36	-72	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	4.34
1.269.wlan0	40:1c:83:3c:81:15	36	-81	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	894.906
1.350.sta0	d4:1b:81:25:e0:af	36	-66	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA

Roam time data in Iteration 3 Roam 6

Station	MAC	Channel	Signal Strength (dBm)	BSSID before roaming	BSSID after roaming	Roam time (ms)
1.10.wlan0	d2:49:9d:c5:9e:7c	36	-58	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.11.wlan0	86:20:53:95:46:0d	36	-67	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.12.wlan0	aa:b2:e7:22:af:0d	36	-72	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	Missing Authentication or Request Packet
1.13.wlan0	4e:c3:c0:d3:5b:9e	36	-50	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.14.wlan0	c2:e0:e9:57:89:13	36	-69	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.15.wlan0	72:ef:0d:e0:10:92	36	-42	02:00:00:00:00:00	02:00:00:00:00:00	NA
1.16.wlan0	2e:d9:5a:23:e7:f0	36	-48	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	94.427
1.17.wlan0	d4:63:de:c8:8e:2a	36	-84	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	NA
1.18.wlan0	70:5a:ac:72:63:37	36	-76	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	249.105
1.20.wlan0	8a:72:66:4f:a0:42	36	-69	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.22.wlan0	36:29:d2:65:87:cf	36	-60	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	NA
1.23.wlan0	12:99:5c:8e:7f:b9	36	-62	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.24.wlan0	60:f1:89:84:48:b5	36	-77	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.25.wlan0	8e:dd:12:e4:32:6e	36	-64	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	17.636
1.26.wlan0	c2:4e:72:9b:63:5b	36	-79	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	226.645
1.27.wlan0	9a:d2:be:d4:ff:07	36	-65	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.28.wlan0	66:2c:d2:34:e9:aa	36	-72	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.53.wlan0	da:f1:8b:d7:e7:31	36	-91	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	NA
1.58.wlan0	2a:b7:65:b2:48:5a	36	-70	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.57.wlan0	0e:85:59:00:95:e2	36	-69	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.216.wlan0	f0:d5:bf:fa:bf:4f	36	-70	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	77.737
1.250.wlan0	0c:54:15:cb:95:5d	36	-66	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	15.371
1.260.wlan0	5c:3a:45:49:22:c7	36	-75	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	6.143
1.269.wlan0	40:1c:83:3c:81:15	36	-79	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	Missing Authentication or Request Packet
1.350.sta0	d4:1b:81:25:e0:af	36	-56	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA

Roam time data in Iteration 4 Roam 7

Station	MAC	Channel	Signal Strength (dBm)	BSSID before roaming	BSSID after roaming	Roam time (ms)
1.10.wlan0	d2:49:9d:c5:9e:7c	36	-88	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA

1.11.wlan0	86:20:53:95:46:0d	36	-80	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.12.wlan0	aa:b2:e7:22:af:0d	36	-72	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	725.978
1.13.wlan0	4e:c3:c0:d3:5b:9e	36	-60	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.14.wlan0	c2:e0:e9:57:89:13	36	-71	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.15.wlan0	72:ef:0d:e0:10:92	36	-70	02:00:00:00:00:00	02:00:00:00:00:00	NA
1.16.wlan0	2e:d9:5a:23:e7:f0	36	-81	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	33.54
1.17.wlan0	d4:63:de:c8:8e:2a	36	-41	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.18.wlan0	70:5a:ac:72:63:37	36	-73	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.20.wlan0	8a:72:66:4f:a0:42	36	-77	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.22.wlan0	36:29:d2:65:87:cf	36	-77	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	NA
1.23.wlan0	12:99:5c:8e:7f:b9	36	-80	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.24.wlan0	60:f1:89:84:48:b5	36	-62	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	5.59
1.25.wlan0	8e:dd:12:e4:32:6e	36	-41	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.26.wlan0	c2:4e:72:9b:63:5b	36	-80	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	13.606
1.27.wlan0	9a:d2:be:d4:ff:07	36	-63	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.28.wlan0	66:2c:d2:34:e9:aa	36	-67	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.53.wlan0	da:f1:8b:d7:e7:31	36	-42	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.58.wlan0	2a:b7:65:b2:48:5a	36	-73	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.57.wlan0	0e:85:59:00:95:e2	36	-69	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.216.wlan0	f0:d5:bf:fa:bf:4f	36	-86	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.250.wlan0	0c:54:15:cb:95:5d	36	-83	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.260.wlan0	5c:3a:45:49:22:c7	36	-82	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	322.966
1.269.wlan0	40:1c:83:3c:81:15	36	-91	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	13.152
1.350.sta0	d4:1b:81:25:e0:af	36	0	90:3C:B3:B1:70:0D	NA	NA

Roam time data in Iteration 4 Roam 8

Station	MAC	Channel	Signal Strength (dBm)	BSSID before roaming	BSSID after roaming	Roam time (ms)
1.10.wlan0	d2:49:9d:c5:9e:7c	36	-68	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.11.wlan0	86:20:53:95:46:0d	36	-79	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	7.244
1.12.wlan0	aa:b2:e7:22:af:0d	36	-61	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.13.wlan0	4e:c3:c0:d3:5b:9e	36	-39	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.14.wlan0	c2:e0:e9:57:89:13	36	-58	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.15.wlan0	72:ef:0d:e0:10:92	36	-43	02:00:00:00:00:00	02:00:00:00:00:00	NA
1.16.wlan0	2e:d9:5a:23:e7:f0	36	-49	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.17.wlan0	d4:63:de:c8:8e:2a	36	-50	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.18.wlan0	70:5a:ac:72:63:37	36	-62	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	174.832
1.20.wlan0	8a:72:66:4f:a0:42	36	-69	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.22.wlan0	36:29:d2:65:87:cf	36	-63	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.23.wlan0	12:99:5c:8e:7f:b9	36	-62	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	14.182
1.24.wlan0	60:f1:89:84:48:b5	36	-78	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	NA
1.25.wlan0	8e:dd:12:e4:32:6e	36	-41	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	12.468
1.26.wlan0	c2:4e:72:9b:63:5b	36	-54	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.27.wlan0	9a:d2:be:d4:ff:07	36	-70	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	10.219
1.28.wlan0	66:2c:d2:34:e9:aa	36	-63	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.53.wlan0	da:f1:8b:d7:e7:31	36	-79	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.58.wlan0	2a:b7:65:b2:48:5a	36	-61	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA

1.57.wlan0	0e:85:59:00:95:e2	36	-86	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.216.wlan0	f0:d5:bf:fa:bf:4f	36	-66	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.250.wlan0	0c:54:15:cb:95:5d	36	-77	90:3C:B3:6C:41:C5	0A WIRELESS NETWORK.	NA
1.260.wlan0	5c:3a:45:49:22:c7	36	-75	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	995.925
1.269.wlan0	40:1c:83:3c:81:15	36	-75	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	58.235
1.350.sta0	d4:1b:81:25:e0:af	36	0	90:3C:B3:6C:41:C5	NA	NA

Roam time data in Iteration 5 Roam 9

Station	MAC	Channel	Signal Strength (dBm)	BSSID before roaming	BSSID after roaming	Roam time (ms)
1.10.wlan0	d2:49:9d:c5:9e:7c	36	-65	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.11.wlan0	86:20:53:95:46:0d	36	-76	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.12.wlan0	aa:b2:e7:22:af:0d	36	-61	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	87.49
1.13.wlan0	4e:c3:c0:d3:5b:9e	36	-65	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.14.wlan0	c2:e0:e9:57:89:13	36	-64	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.15.wlan0	72:ef:0d:e0:10:92	36	-59	02:00:00:00:00:00	02:00:00:00:00:00	NA
1.16.wlan0	2e:d9:5a:23:e7:f0	36	-75	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.17.wlan0	d4:63:de:c8:8e:2a	36	-71	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.18.wlan0	70:5a:ac:72:63:37	36	-73	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	Missing Authentication or Request Packet
1.20.wlan0	8a:72:66:4f:a0:42	36	-84	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.22.wlan0	36:29:d2:65:87:cf	36	-66	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.23.wlan0	12:99:5c:8e:7f:b9	36	-61	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	8.251
1.24.wlan0	60:f1:89:84:48:b5	36	-71	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.25.wlan0	8e:dd:12:e4:32:6e	36	-41	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.26.wlan0	c2:4e:72:9b:63:5b	36	-74	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.27.wlan0	9a:d2:be:d4:ff:07	36	-64	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.28.wlan0	66:2c:d2:34:e9:aa	36	-67	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.53.wlan0	da:f1:8b:d7:e7:31	36	-75	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.58.wlan0	2a:b7:65:b2:48:5a	36	-73	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.57.wlan0	0e:85:59:00:95:e2	36	-86	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.216.wlan0	f0:d5:bf:fa:bf:4f	36	-30	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.250.wlan0	0c:54:15:cb:95:5d	36	-88	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	NA
1.260.wlan0	5c:3a:45:49:22:c7	36	-77	90:3C:B3:B1:70:0D	90:3C:B3:6C:41:C5	326.006
1.269.wlan0	40:1c:83:3c:81:15	36	-82	90:3C:B3:B1:70:0D	NA	NA
1.350.sta0	d4:1b:81:25:e0:af	36	0	90:3C:B3:B1:70:0D	NA	NA

Roam time data in Iteration 5 Roam 10

Station	MAC	Channel	Signal Strength (dBm)	BSSID before roaming	BSSID after roaming	Roam time (ms)
1.10.wlan0	d2:49:9d:c5:9e:7c	36	-76	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	NA
1.11.wlan0	86:20:53:95:46:0d	36	-67	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.12.wlan0	aa:b2:e7:22:af:0d	36	-67	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.13.wlan0	4e:c3:c0:d3:5b:9e	36	-40	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.14.wlan0	c2:e0:e9:57:89:13	36	-64	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.15.wlan0	72:ef:0d:e0:10:92	36	-65	02:00:00:00:00:00	02:00:00:00:00:00	NA
1.16.wlan0	2e:d9:5a:23:e7:f0	36	-49	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	5.443
1.17.wlan0	d4:63:de:c8:8e:2a	36	-41	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA

1.18.wlan0	70:5a:ac:72:63:37	36	-56	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.20.wlan0	8a:72:66:4f:a0:42	36	-65	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.22.wlan0	36:29:d2:65:87:cf	36	-69	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.23.wlan0	12:99:5c:8e:7f:b9	36	-74	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	7.068
1.24.wlan0	60:f1:89:84:48:b5	36	-52	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.25.wlan0	8e:dd:12:e4:32:6e	36	-41	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	Missing Authentication or Request Packet
1.26.wlan0	c2:4e:72:9b:63:5b	36	-54	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	NA
1.27.wlan0	9a:d2:be:d4:ff:07	36	-70	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.28.wlan0	66:2c:d2:34:e9:aa	36	-57	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.53.wlan0	da:f1:8b:d7:e7:31	36	-72	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.58.wlan0	2a:b7:65:b2:48:5a	36	-74	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	39.326
1.57.wlan0	0e:85:59:00:95:e2	36	-34	90:3C:B3:B1:70:0D	90:3C:B3:B1:70:0D	NA
1.216.wlan0	f0:d5:bf:fa:bf:4f	36	-74	90:3C:B3:6C:41:C5	90:3C:B3:6C:41:C5	NA
1.250.wlan0	0c:54:15:cb:95:5d	36	-46	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	NA
1.260.wlan0	5c:3a:45:49:22:c7	36	-79	90:3C:B3:6C:41:C5	90:3C:B3:B1:70:0D	9.378
1.269.wlan0	40:1c:83:3c:81:15	36	-36	90:3C:B3:6C:41:C5	NA	NA
1.350.sta0	d4:1b:81:25:e0:af	36	0	90:3C:B3:6C:41:C5	NA	NA

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