Roam Test Report

2024-09-30-23-01-51
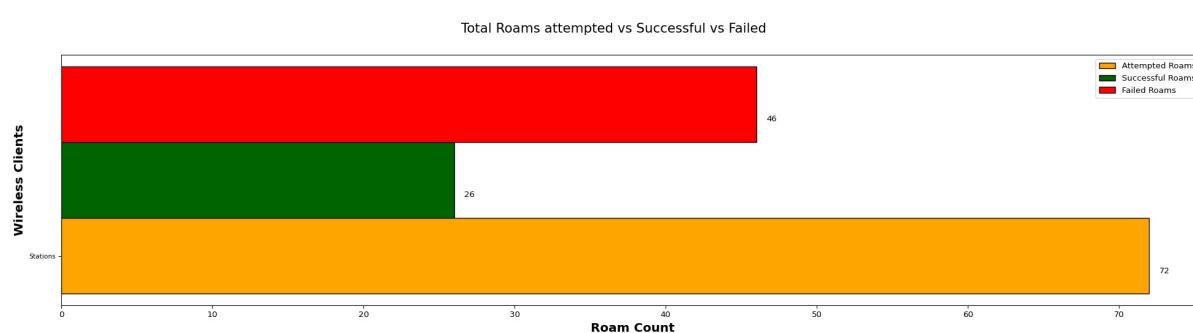
| Test Setup Information	SSID	TEST CONFIGURED
	Security	TEST CONFIGURED
	Sniffer Radio	wiphy0
	Iterations	1
	No of Roams	2
	No of Devices	36 (A:26, W:5, L:4, M:1)

Objective
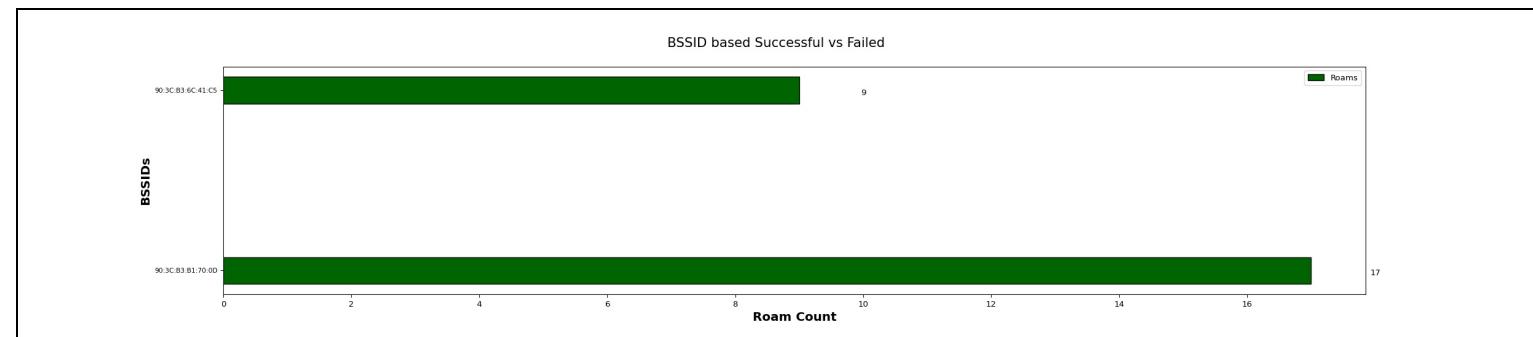
The Candela Roam test uses the forced roam method to create and roam hundreds of WiFi stations between two or more APs with the same SSID or the same channel of different channels. The user can run thousands of roams over long durations and the test measures roaming delay for each roam, station connection 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
72	26	46
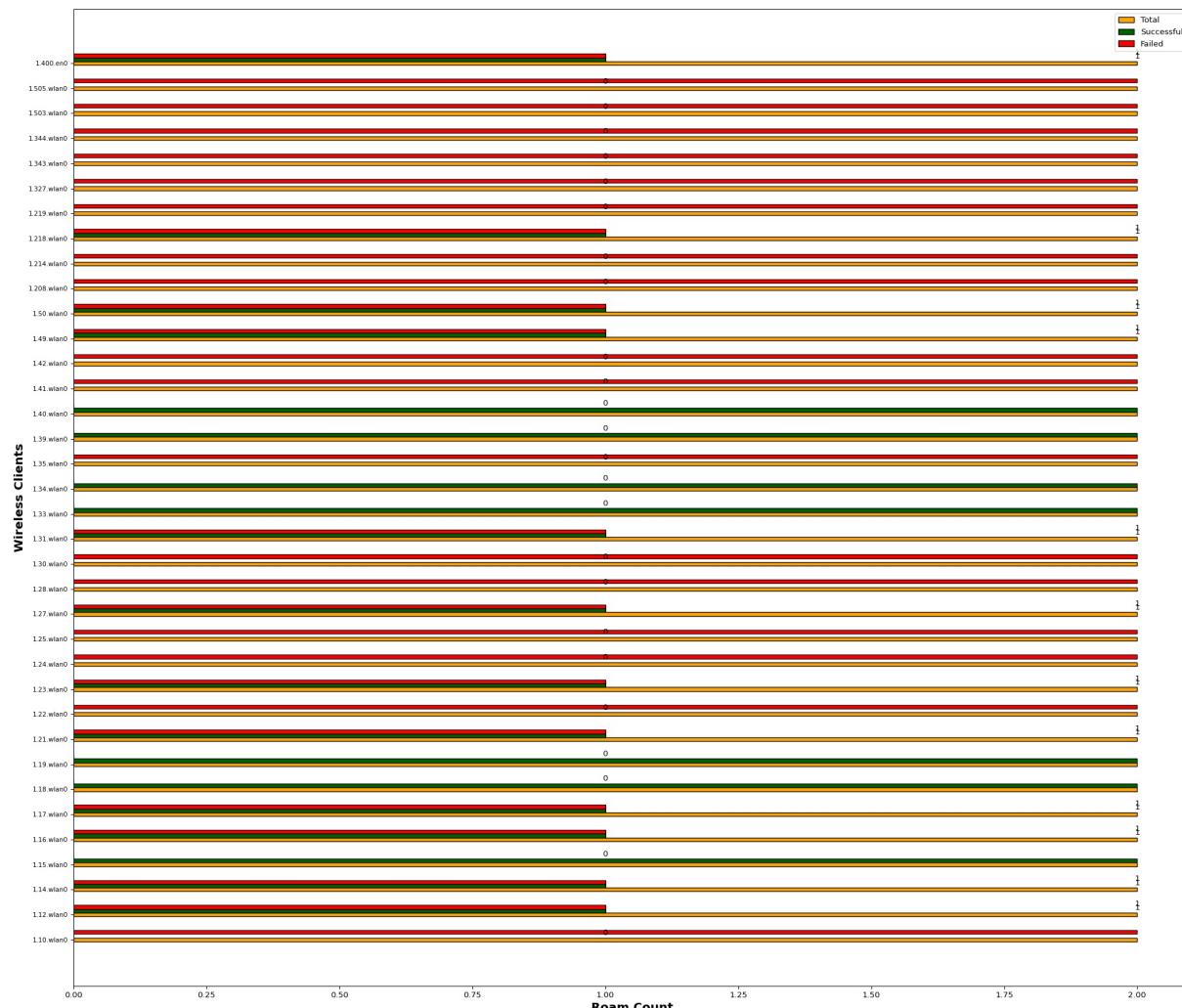
BSSID based Successful vs Failed

BSSID	Successful Roams
90:3C:B3:B1:70:0D	17
90:3C:B3:6C:41:C5	9

Station based Successful vs Failed

Device	OS	MAC	Signal Strength (dBm)	Attempted Roams	Successful Roams	Failed Roams
Oneplus	Android	2a:b0:56:3a:91:39	-46	2	0	2
devices	Android	70:5a:ac:72:63:37	-45	2	1	1
samsunggggg	Android	ee:10:fb:29:f5:3a	-38	2	1	1
vivo2111	Android	32:fd:66:42:7f:46	-55	2	2	0
samsungf41d	Android	f6:55:97:66:85:98	-53	2	1	1
v2037	Android	02:00:00:00:00:00	-49	2	1	1
vivo2152	Android	02:00:00:00:00:00	-49	2	2	0
Samsung1g1	Android	60:f1:89:84:48:b5	-59	2	2	0
samsung.059	Android	9a:bd:5e:84:b2:a3	-46	2	1	1
samsunge22	Android	96:0f:ef:49:07:74	-89	2	0	2
samsungm215f	Android	1a:1a:cf:1c:9c:9b	-42	2	1	1
samsunga13	Android	c2:14:12:a3:54:77	-53	2	0	2
oppo1931	Android	2a:e4:86:ac:36:1d	-82	2	0	2
vivo.051	Android	ae:42:75:c1:f5:b0	-50	2	1	1

device_new	Android	7e:83:81:76:0e:a4	-44	2	0	2
cph1945	Android	fe:fe:58:06:74:3f	-82	2	0	2
vivo2036	Android	02:00:00:00:00:00	-50	2	1	1
vivo1938	Android	10:bc:97:b0:7c:f3	-59	2	2	0
cph2083	Android	b0:b5:c3:5d:2a:3f	-47	2	2	0
oppo1	Android	76:03:ca:04:ff:66	-78	2	0	2
samsng40	Android	02:00:00:00:00:00	-54	2	2	0
vivo1901	Android	b6:d1:bb:1f:00:da	-57	2	2	0
samsung15	Android	56:be:cb:ce:30:e1	-45	2	0	2
samsung	Android	16:e6:2c:66:be:5e	-36	2	0	2
samsunga21	Android	22:4e:2b:7f:7d:27	-42	2	1	1
samsung03	Android	a4:c6:9a:f2:2a:db	-38	2	1	1
DESKTOP-TG80G59	Windows	38:ba:f8:53:f9:85	-52 dBm	2	0	2
DESKTOP-2G45K51	Windows	ac:12:03:9a:d8:0a	-40 dBm	2	0	2
DESKTOP-QNG7LTT	Windows	5c:3a:45:49:22:c7	-87 dBm	2	1	1
DESKTOP-HD3TGC1	Windows	14:ab:c5:c4:0b:0d	-25 dBm	2	0	2
test26	Linux	64:6e:e0:eb:de:e6	0 dBm	2	0	2
test43	Linux	e4:a4:71:d3:f9:aa	-50 dBm	2	0	2
test44	Linux	b0:35:9f:9d:57:c4	-50 dBm	2	0	2
DESKTOP-ANHCCC5	Windows	00:93:37:bf:3c:9a	-80 dBm	2	0	2
test42	Linux	f0:d5:bf:bd:e6:a0	-60 dBm	2	0	2
ctin_apples_air1	Apple	30:35:ad:c5:e1:be	0 dBm	2	1	1

Candela TECHNOLOGIES