

Automated Band Steering Test

2026-02-16-17-50-43



Objective

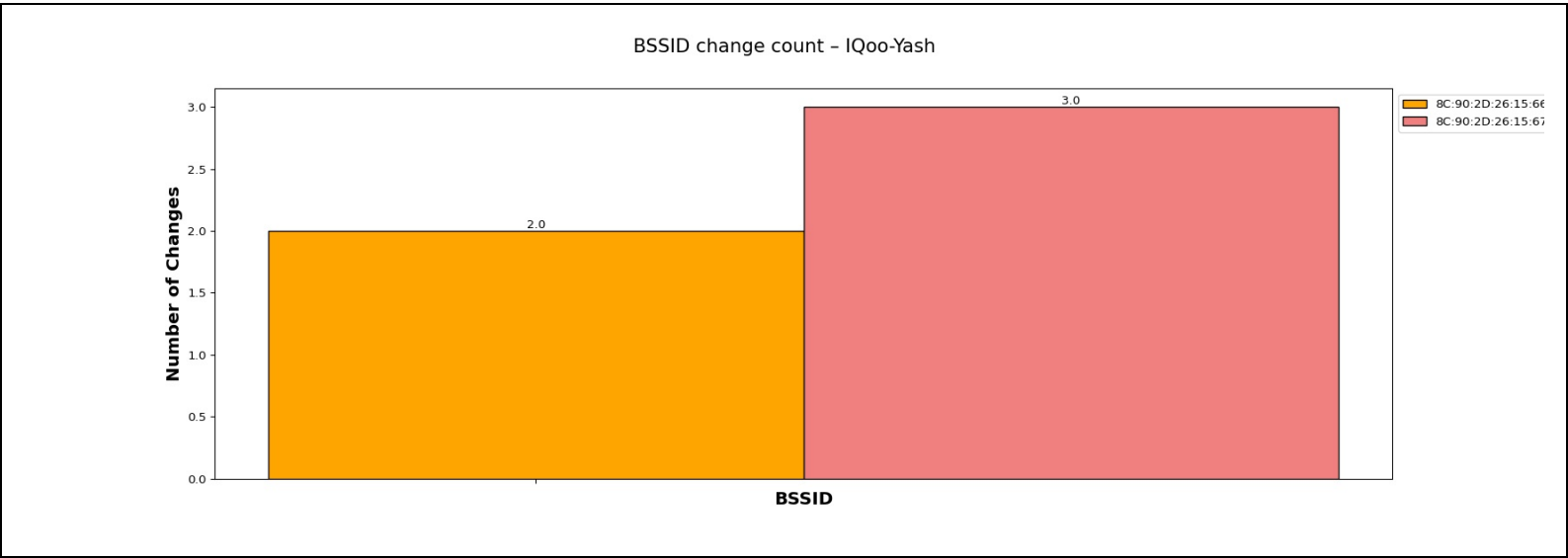
The Automated Band Steering Test uses selected real client devices mounted on CanBEE to evaluate band-steering behavior during movement. The test continuously monitors each device's connected BSSID while the robot moves through user-defined points. Whenever a BSSID change occurs, the system records the exact robot position and path segment between which the change happened, enabling clear identification of where band-steering decisions were made.

Input Parameters

The below tables provides the input parameters for the test

Test Configuration	Test name	VBST4
	Robot IP	192.168.204.100
	No of Devices	2
	Total Cycles	2

BSSID Change Count Of The Client IQoo-Yash



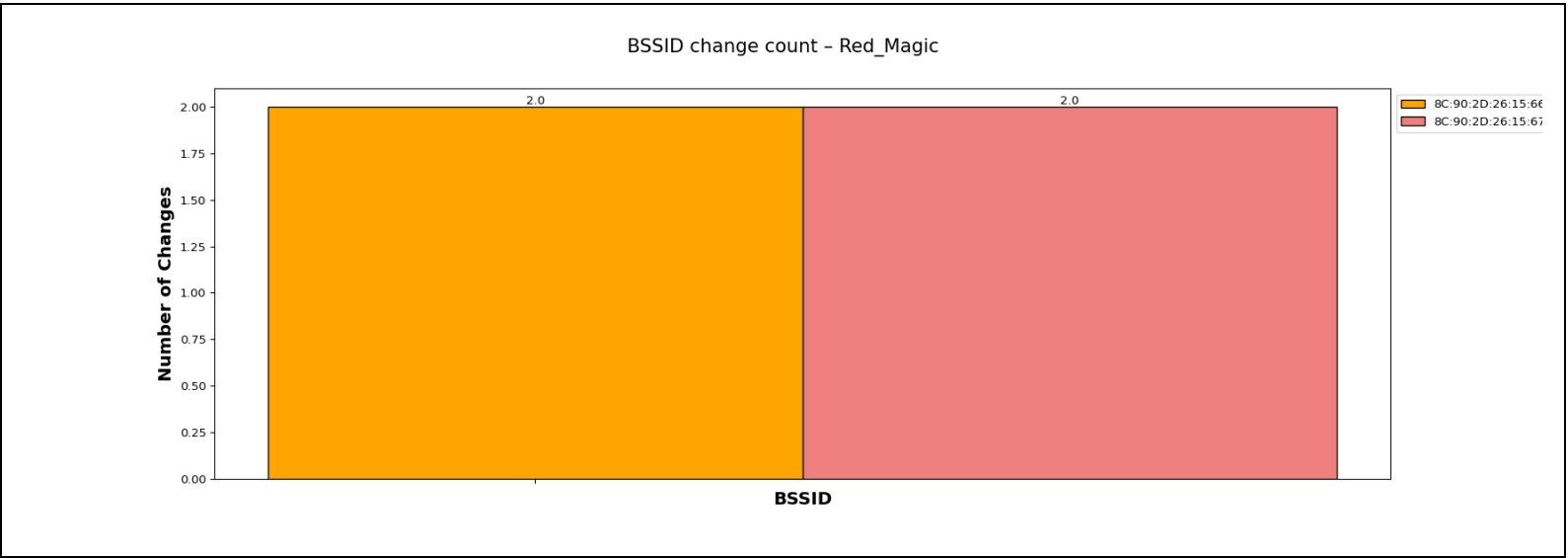
Band Steering Results for IQoo-Yash

Timestamp	BSSID	Channel	From Coordinate	To Coordinate
2026-02-16 17:50:44.172	8C:90:2D:26:15:67	36	6	33
2026-02-16 17:51:20.532	8C:90:2D:26:15:66	1	33	6
2026-02-16 17:52:20.050	8C:90:2D:26:15:67	36	33	6
2026-02-16 17:53:47.039	8C:90:2D:26:15:66	1	33	6
2026-02-16 17:54:23.058	8C:90:2D:26:15:67	36	33	6

Band Steering Stats: IQoo-Yash(1.13.wlan0)

Sequence No.	MAC	Channel	BSSID	Signal	From Coordinate	To Coordinate	Timestamp
1	02:8c:13:d1:67:b7	36	8C:90:2D:26:15:67	-46	6	33	2026-02-16 17:50:44.172
2	02:8c:13:d1:67:b7	1	8C:90:2D:26:15:66	-74	33	6	2026-02-16 17:51:20.532
3	02:8c:13:d1:67:b7	36	8C:90:2D:26:15:67	-51	33	6	2026-02-16 17:52:20.050
4	02:8c:13:d1:67:b7	1	8C:90:2D:26:15:66	-73	33	6	2026-02-16 17:53:47.039
5	02:8c:13:d1:67:b7	36	8C:90:2D:26:15:67	-54	33	6	2026-02-16 17:54:23.058

BSSID Change Count Of The Client Red_Magic



Band Steering Results for Red_Magic

Timestamp	BSSID	Channel	From Coordinate	To Coordinate
2026-02-16 17:50:44.172	8C:90:2D:26:15:66	1	6	33
2026-02-16 17:50:53.611	8C:90:2D:26:15:67	36	6	33
2026-02-16 17:51:53.860	8C:90:2D:26:15:66	1	33	6
2026-02-16 17:52:38.672	8C:90:2D:26:15:67	36	33	6

Band Steering Stats: Red_Magic(1.10.wlan0)

Sequence No.	MAC	Channel	BSSID	Signal	From Coordinate	To Coordinate	Timestamp
1	ee:c6:f6:7f:93:08	1	8C:90:2D:26:15:66	-40	6	33	2026-02-16 17:50:44.172
2	ee:c6:f6:7f:93:08	36	8C:90:2D:26:15:67	-51	6	33	2026-02-16 17:50:53.611
3	ee:c6:f6:7f:93:08	1	8C:90:2D:26:15:66	-63	33	6	2026-02-16 17:51:53.860
4	ee:c6:f6:7f:93:08	36	8C:90:2D:26:15:67	-59	33	6	2026-02-16 17:52:38.672