

AP Auto Channel Selection Test



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Test Setup Information

Device Under Test	AP Name	Sky Hub4
	Firmware Version	5.11.1993.TR
	Model	SR203
	Test Duration	11:15:06

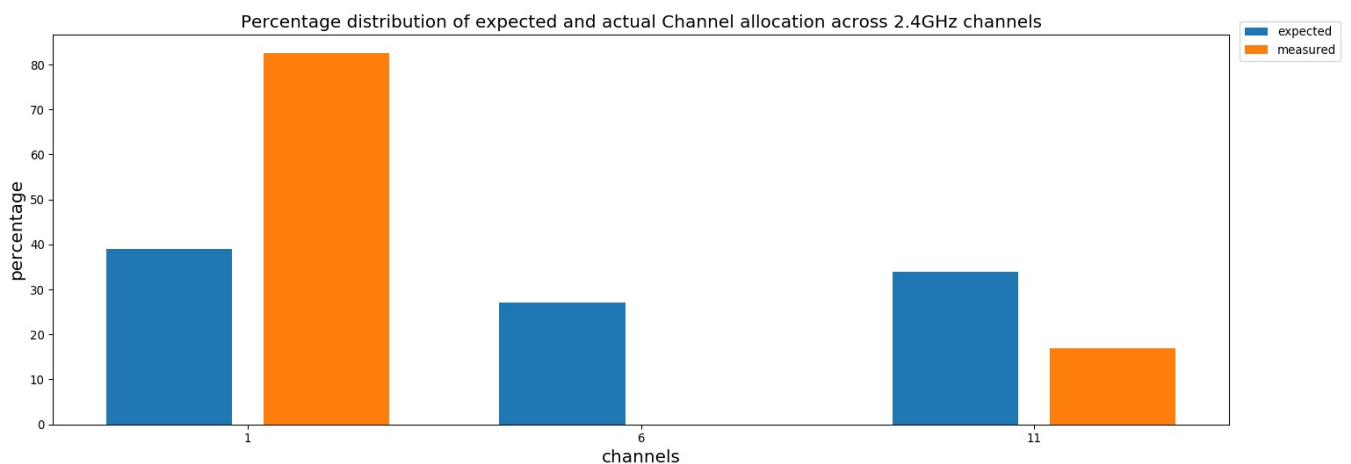
Objective

Test the Auto Channel Selection feature of the AP in 2.4GHz

Test Steps:

- In each test trial, create different loads on Channel 1,6,11 representing various real world environments.
- Reboot the AP for each trial and check what channel the AP chooses.
- Plot the % of expected channel allocation and actual channel allocation

AP Auto Channel Selection Graph



SUMMARY TABLE

This Table will provide you information of the measured channel percentage after reboot and also the expected channel percentage for every throughput combination.

SUMMARY TABLE

	Expected Channel Percentage	Measured Channel Percentage
Channel 1	39.0	82.5
channel 6	27.0	0.0
Channel 11	34.0	17.0

Detailed Results

This Table will provide you information of the measured channel after reboot and also the expected channel value for every throughput combination, This test is performed on 200 iterations.

Detailed Description

channel 1 Load(Mbps)	channel 6 Load(Mbps)	Channel 11 Load(Mbps)	Expected Channel	Measured Channel
0	15	10	1	1
25	0	25	6	1

15	0	25	6	11
20	20	0	11	11
20	10	0	11	11
25	0	15	6	1
0	15	25	1	1
10	15	0	11	1
15	20	0	11	1
20	5	0	11	11
0	25	25	1	1
0	15	20	1	1
0	5	20	1	1
0	15	15	1	1
20	25	0	11	1
0	20	20	1	1
10	10	0	11	1
10	5	0	11	1
0	10	10	1	1
0	5	5	1	1
15	0	20	6	1
25	15	0	11	1
25	15	0	11	1
15	0	25	6	1
0	15	10	1	1
0	25	15	1	1
15	0	5	6	11
25	0	15	6	1
20	25	0	11	1
0	15	25	1	1
0	20	25	1	1
20	10	0	11	1
10	0	10	6	11
0	5	15	1	1
0	15	15	1	1
0	5	10	1	1
0	25	5	1	1
20	10	0	11	1
10	15	0	11	1
5	5	0	11	1
25	10	0	11	1
0	10	20	1	1
10	0	5	6	1
0	20	15	1	1
0	10	10	1	1
0	15	10	1	11
15	10	0	11	1
25	0	25	6	1
20	15	0	11	1
10	25	0	11	11
20	0	20	6	1
0	5	10	1	1
25	20	0	11	1
25	0	20	6	1
5	15	0	11	1
5	15	0	11	1
10	25	0	11	1
0	25	20	1	11
0	20	15	1	1

25	25	0	11	1
15	20	0	11	1
0	20	20	1	1
0	10	10	1	1
5	10	0	11	1
0	15	20	1	
10	10	0	11	1
15	0	25	6	1
10	5	0	11	1
0	5	5	1	1
5	25	0	11	1
0	20	10	1	11
15	0	10	6	1
0	15	5	1	1
0	5	20	1	1
20	0	25	6	1
0	10	10	1	1
25	20	0	11	1
10	0	20	6	1
20	25	0	11	1
15	0	25	6	1
25	0	15	6	11
15	0	20	6	1
25	15	0	11	1
0	10	15	1	1
0	10	25	1	1
0	20	10	1	11
10	0	5	6	1
25	0	5	6	11
25	0	5	6	11
15	15	0	11	1
20	0	10	6	1
10	25	0	11	1
0	15	10	1	1
0	15	20	1	11
25	10	0	11	11
10	10	0	11	1
0	10	20	1	1
25	25	0	11	1
10	0	10	6	1
0	25	10	1	11
0	25	25	1	1
15	25	0	11	1
10	0	5	6	1
10	15	0	11	1
10	25	0	11	1
15	5	0	11	11
5	0	25	6	1
0	20	20	1	11
25	0	15	6	1
10	0	20	6	1
0	20	5	1	1
0	15	25	1	1
15	0	10	6	1
10	0	15	6	1
0	5	20	1	1
15	0	25	6	1
15	0	25	6	1
15	0	15	6	1

0	20	20	1	1
0	25	5	1	1
0	25	20	1	1
0	5	5	1	1
15	0	25	6	1
15	20	0	11	1
15	0	25	6	1
25	15	0	11	1
20	20	0	11	1
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0	10	25	1	1
0	20	15	1	1
0	15	5	1	1
0	15	15	1	1
0	25	10	1	1
15	15	0	11	1
0	20	20	1	1
0	15	10	1	1
15	0	5	6	11
10	20	0	11	1
0	15	15	1	1
15	0	25	6	1
25	0	20	6	1
0	15	5	1	11
5	20	0	11	1
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10	0	5	6	11
15	0	25	6	11
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20	0	25	6	1
10	25	0	11	1
10	0	5	6	1
25	5	0	11	11
20	5	0	11	11
0	25	25	1	1
10	15	0	11	1
0	5	10	1	1
0	5	20	1	1
15	20	0	11	1
0	5	10	1	1
25	20	0	11	1
0	25	15	1	1
10	0	10	6	1
10	25	0	11	1
0	25	10	1	11
0	20	15	1	1
0	15	5	1	11
5	0	5	6	1
10	0	20	6	1
0	15	10	1	11
25	0	10	6	1
10	0	20	6	1
0	5	15	1	1
10	0	15	6	1
15	0	25	6	1
25	5	0	11	11

0	15	15	1	1
0	10	5	1	1
15	0	25	6	1
0	10	25	1	1
0	20	10	1	1
0	15	20	1	1
20	5	0	11	11
20	20	0	11	1
25	0	20	6	11
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15	15	0	11	11
5	20	0	11	1
15	0	10	6	1
5	20	0	11	1
0	20	5	1	1
25	20	0	11	1
0	5	25	1	1
10	0	25	6	1
0	5	5	1	1
0	10	15	1	1
10	10	0	11	1
25	0	15	6	11
5	0	15	6	1
5	5	0	11	1
15	20	0	11	1
10	15	0	11	1