Dynamic Frequency Selection



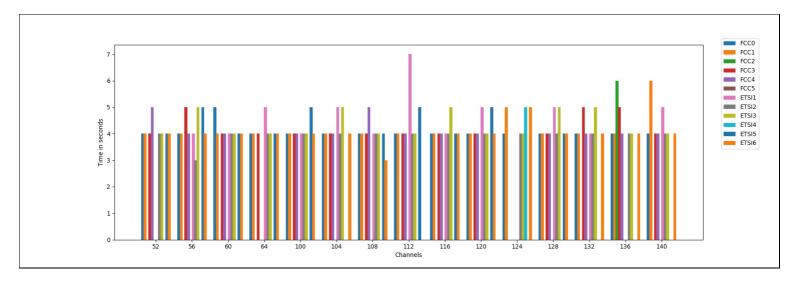
2021-02-18-10:26:13

Test Setup Information								
	AP Name	WAC505						
Davida Undan Tast	SSID	TestAP22						
Device Under Test	Number of Stations	1						
	Test Duration	17:14:08						

Objective

The DFS Test is designed to test the Performance of the Netgear Access Point. Dynamic frequency selection is a technology that is designed to ensure that wireless devices operating in the unlicensed WLAN 5 GHz bands are able to detect when they may be interfering with military and weather radar systems and automatically switch over to another frequency where they will not cause any disturbance.

Detection Time Graph



Radar Detection Detail

This Table will give you results in YES or NO if the AP detects the Radar and 'N/A' - When channel never set in AP

						Rã	ıdar De	etected							
	52	56	60	64	100	104	108	112	116	120	124	128	132	136	140
FCC0	YES	YES	YES	YES	YES	YES	YES	YES	YES						
FCC1	YES	YES	YES	YES	YES	YES	YES	YES	YES						
FCC2	NO	NO	NO	NO	NO	NO	NO	YES	NO						
FCC3	YES	YES	YES	YES	NO	YES	YES	YES	YES						
FCC4	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES
FCC5	NO	NO	NO	NO	NO	NO	NO	NO	NO						
ETSI1	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	NO	YES
ETSI2	YES	YES	YES	YES	YES	YES	YES	YES	YES						
ETSI3	YES	YES	YES	YES	YES	YES	YES	YES	YES						
ETSI4	NO	NO	NO	NO	YES	NO	NO	NO	NO						
ETSI5	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	NO	YES	NO	NO	NO

Client Connection Details

This Table will give you results in seconds which is measured value of the time taken by the client to connect and generate traffic after Radar detection 'N/A' - when you cannot set a channel in AP and connect time is not applicable '-' when radar is not detected 'X' - when radar detected but channel not switched

	Client Connection Time (sec)														
	52	56	60	64	100	104	108	112	116	120	124	128	132	136	140
FCC0	<mark>65</mark>	<mark>65</mark>	66	0	621	0	614	614	0	<mark>66</mark>	619	<mark>65</mark>	0	66	0
FCC1	<mark>65</mark>	67	615	0	614	0	73	66	618	80	73	0	0	66	613
FCC2	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-
FCC3	612	66	0	66	65	0	67	619	621	0	-	67	0	0	0
FCC4	73	0	623	-	0	74	0	0	66	65	-	74	73	0	73
FCC5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ETSI1	-	622	73	65	621	74	66	0	66	0	-	615	0	-	66
ETSI2	73	0	72	66	65	620	620	0	65	66	73	74	66	0	66
ETSI3	614	0	73	0	619	615	65	73	65	621	66	65	66	0	73
ETSI4	-	-	-	-	-	-	-	-	-	-	606	-	-	-	-
ETSI5	74	67	0	73	612	-	0	0	0	67	-	65	-	-	-
ETSI6	67	73	73	66	72	0	620	-	0	65	65	65	66	66	66

Detection Time Details

This Table will give you results in seconds which is measured value of the time difference when the radar was sent and detected

	Detection Time (sec)														
	52	56	60	64	100	104	108	112	116	120	124	128	132	136	140
FCC0	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4
FCC1	4	4	4	4	4	4	4	4	4	4	5	4	4	4	6
FCC2	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
FCC3	4	5	4	4	4	4	4	4	4	4	0	4	5	5	4
FCC4	5	4	4	0	4	4	5	4	4	4	0	4	4	4	4
FCC5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ETSI1	0	4	4	5	4	5	4	7	4	5	0	5	4	0	5
ETSI2	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4
ETSI3	4	5	4	4	4	5	4	4	5	4	4	5	5	4	4
ETSI4	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
ETSI5	4	5	4	4	5	0	4	5	4	5	0	4	0	0	0
ETSI6	4	4	4	4	4	4	3	0	4	4	5	4	4	4	4

Switcing Channel Details

This Table will give you result value of channel number to which the client switches after radar detection 'N/A' - When channel is not assigned in AP and channel switch not applicable 'X' - radar detected but AP switched to AUTO mode or the switching never occured '-' Radar not detected so switching channel is not applicable

		Switched Channel													
	52	56	60	64	100	104	108	112	116	120	124	128	132	136	140
FCC0	60	100	140	48	120	40	124	128	48	60	128	104	44	56	40
FCC1	108	132	128	48	128	40	112	116	124	100	116	44	36	104	120
FCC2	-	-	-	-	-	-	-	-	-	-	-	-	-	132	-
FCC3	128	136	36	140	136	48	116	124	120	40	-	56	48	44	36
FCC4	132	36	120	-	44	136	48	48	64	132	-	116	52	40	116
FCC5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ETSI1	-	120	108	100	120	108	116	44	132	36	-	124	44	-	112
ETSI2	132	36	112	100	140	128	128	40	52	132	64	64	52	44	52
ETSI3	124	48	116	40	128	128	132	116	136	128	64	56	136	36	104
ETSI4	-	-	-	-	-	-	-	-	-	-	128	-	-	-	-
ETSI5	116	100	48	108	124	-	40	48	40	100	-	112	-	-	-
ETSI6	64	136	104	104	136	36	124	-	44	56	132	56	140	56	64

Input Setup Information										
	IP	192.168.200.94								
	user	root								
Information	Radartypes	['FCC0', 'FCC1', 'FCC2', 'FCC3', 'FCC4', 'FCC5', 'ETSI1', 'ETSI2', 'ETSI3', 'ETSI4', 'ETSI5', 'ETSI6']								
	Channel	[52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140]								
	Contact	support@candelatech.com								