FCC DFS TEST REPORT

FCC ID	:	**2ATQRSMODBV3S**
Equipment	:	**SkydioLink Third Generation Radio Module**
Brand Name	:	**Skydio**
Model Name	:	**SMODBV3S**
Applicant	:	**Skydio, Inc. 3000 Clearview Way, San Mateo, CA 94402**
Manufacturer	:	**Skydio, Inc. 3000 Clearview Way, San Mateo, CA 94402**
Standard	:	**FCC Part 15 Subpart E**

The product was received on Oct. 30, 2024 and testing was performed from Oct. 30, 2024 to Oct. 30, 2024. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures given in FCC Part 15 Subpart E and shown compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Neil Kao

Approved by: Neil Kao

Sporton International (USA) Inc.
1175 Montague Expressway, Milpitas, CA 95035

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History of this test report

Report No.	Version	Description	Issue Date
FZ241114001	01	Initial issue of report	Dec. 02, 2024
FZ241114001	02	Revise Summary, Requirements and Parameters for DFS Test and Test Procedures of Zero Wait DFS This report is an updated version, replacing the report issued on Dec. 02, 2024.	Dec. 09, 2024

Summary of Test Result

Regulatory Requirement	Requirement Description	Test Logs	Act Description	Result
TCB workshop Apr. 11, 2018	Off-channel CAC time be no less than 60 seconds	**[11325.972485] wlan: [0:I:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] RUNNING** **[11389.920841] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5500.**	The first event describes the start of rolling CAC, the second event describes the end of rolling CAC, by calculating the timestamp differences, the result shows the compliance by more than 60 seconds.	Pass
	Radar inject verification	**[12080.788947] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs RADAR_DETECT event delivered on chan freq 5500.**	The event describes the device detects radar on the off-channel.	Pass

Note: This report is a partial report specifically for introducing the capability of "zero-wait" DFS function on " SkydioLink Third Generation Radio Module", all requirements for compliances for fundamental ability is recorded in report "FZ230303001B"

Conformity Assessment Condition:
The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

1 General Description

1.1 Feature of Equipment Under Test

Product Feature
General Specs Wi-Fi 2.4GHz 802.11g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax. **Antenna Type** WLAN: Dipole Antenna Antenna 0: 2.4GHz/5GHz band Tx/Rx Antenna 1: Rx only Antenna 2: 2.4GHz/5GHz band Tx/Rx Antenna 3: Rx only

Antenna information (Low Gain Antenna)		
Type	Dipole Antenna	
Model	360-205976-000-B	
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 0: 1.90 Ant. 2: 2.10

Antenna information (Low Gain Antenna)		
Type	Dipole Antenna	
Model	360-205976-000-B	
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 0: 1.33 Ant. 2: 1.37

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications are made to the EUT during all test items.

1.3 Testing Site

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway, Milpitas, CA 95035 TEL : 408 9043300
Test Site No.	Sporton Site No.
	DFS01-CA

FCC Designation No.: US1250

1.4 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02
- FCC KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. Test procedure refers to TCB workshop Apr. 11, 2018, detailed described in clause 3.2.2 of this report.

1.5 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	HW / FW Version	Power Cord
1.	Notebook	MSI	MS-16J5	PD93165NG	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2 Requirements and Parameters for DFS Test

2.1 Summary of Dynamic Frequency Selection Test

UNII	Description	Limit
U-NII Band 2-A 5250-5355 MHz	Zero-wait Channel Availability Check Time	> 60sec

UNII	Description	Limit
U-NII Band 2-C 5470-5725 MHz	Zero-wait Channel Availability Check Time	> 60sec

2.2 Applicability of DFS Requirements

EUT is considered as a master device.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
Zero-Wait DFS (Rolling CAC)	Required when applicable	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
DFS Detection Threshold	Yes	Not required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required	Yes
Client Beacon Test	N/A	Yes	Yes

Additional requirements for devices with multiple bandwidth modes	Operational Mode	
	Master or Client With Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note

Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

This report is a partial report specifically for introducing the capability of "zero-wait" DFS function on " SkydioLink Third Generation Radio Module", all requirements for compliances for fundamental ability is recorded in report "FZ230303001B"

2.3 Short Pulse Radar Test Waveforms

Radar Type 0 was used in the verification of Zero-Wait DFS function,

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Trials
0	1	1428	18	See Note	See Note
Note: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

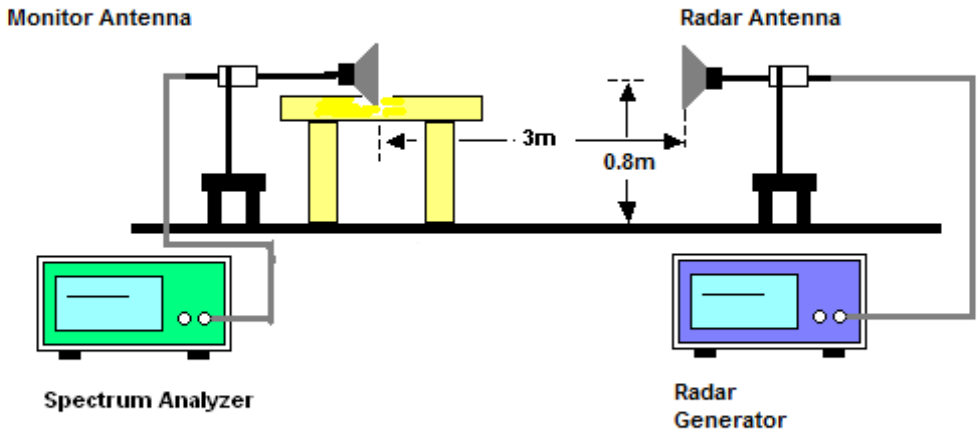
3 Calibration Setup and DFS Test Results

3.1 Calibration of Radar Waveform

3.1.1 Radar Waveform Calibration Procedure

The Interference Radar Detection Threshold Level is - 64dBm that had been taken into account the output power range and antenna gain. The following equipment setup was used to calibrate the conducted Radar Waveform. A vector signal generator was utilized to establish the test signal level for radar type 0~6. During this process there were no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) at the frequency of the Radar Waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz to measure the radar waveform. The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was - 64dBm. Capture the spectrum analyzer plots on radar waveform.

3.1.2 Radiated Calibration Setup



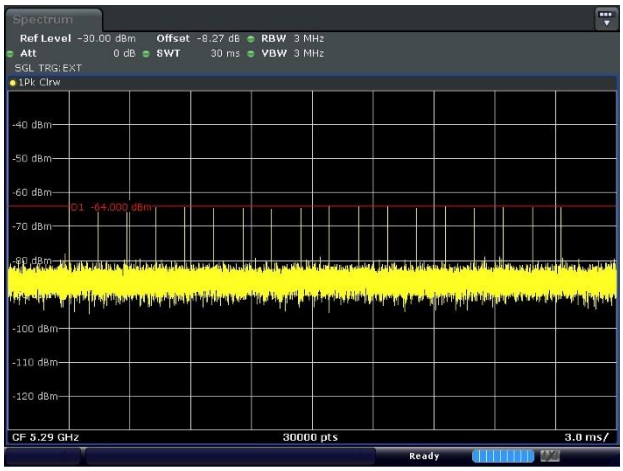
3.1.3 Calibration Deviation

There is no deviation with the original standard.

3.1.4 Radar Waveform Calibration Result

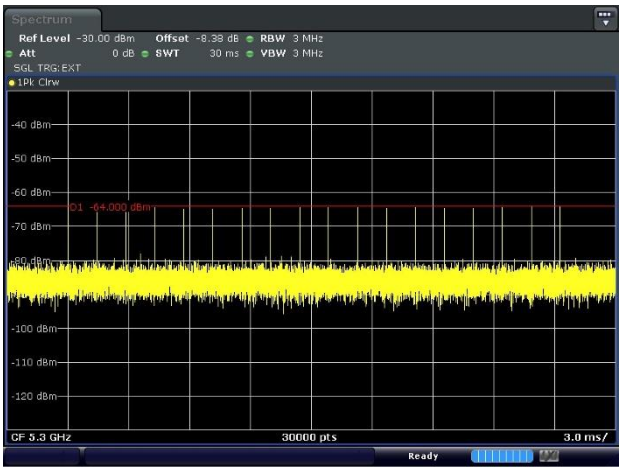
<Radar Type 0>

5290MHz



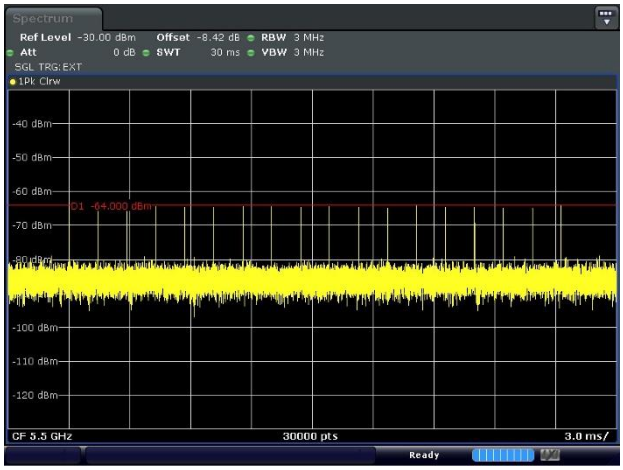
Date: 30.OCT.2024 14:30:34

5300MHz



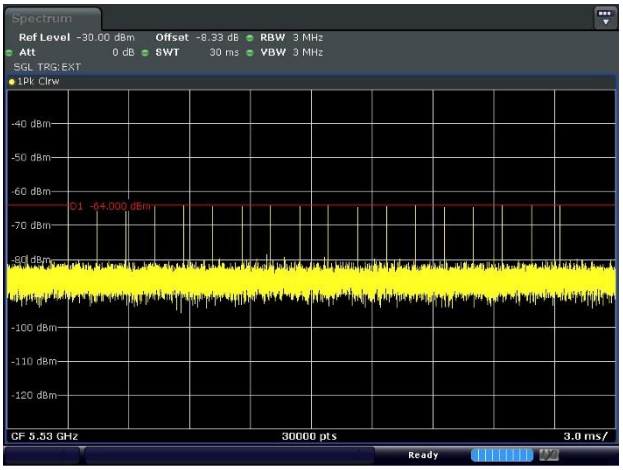
Date: 30.OCT.2024 14:29:02

5500MHz



Date: 30.OCT.2024 14:43:35

5530MHz



Date: 30.OCT.2024 14:58:16

3.2 Zero-Wait DFS

Zero-Wait CAC (Off-Channel CAC) is a mechanism by which a device monitors channel(s), different from the Operating Channel(s), for the presence of radar signals. If no radars have been detected in a channel, then that channel becomes an Available Channel.

3.2.1 Limit of Zero Wait DFS

The Initial Channel Availability Check Time tests that the EUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for radar waveforms for one minute on the test Channel. According to the April 11 2018 TCB Workshop, the Zero-Wait DFS (Off-Channel CAC) cannot be less than 60 seconds.

3.2.2 Test Procedures of Zero Wait DFS

According to TCB workshop instruction, the configure device to transmit on typical radar channel. Off-channel CAC must be monitored on a different DFS channel. Use radar type 0 to verify that radar is detected on the off-channel during the manufacturer declared CAC time (60 seconds).

Note: Per the Operational Description, the Zero-Wait DFS (Off-channel CAC) time is at least 60 seconds.

Annotation as below to show compliance to TCB workshop Apr. 11, 2018, for detailed output log please refer to appendix B.

1. The declared rolling CAC time to be at least 60 seconds.
2. The monitored channel should have the detectability on off-channel.

[11325.972485] wlan: [0:I:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] RUNNING
>> The device set to mark the off-channel (channel 100, 5500MHz) and starts to activate rolling CAC.

[11325.972603] wlan: [0:I:dfs] vdev[0] ieee chan:124 freq:5620
>> The device set to mark the operating channel (channel 124, 5620MHz) and starts to activate CAC.

[11389.920537] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_COMPLETED event delivered on chan freq 5620.
>> The CAC period for operating channel (5620MHz) is completed.

[11389.920841] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5500.
>> The rolling CAC for channel 100 (5500MHz) is completed.

[12080.788947] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs RADAR_DETECT event delivered on chan freq 5500.
>> Channel 100 detected radar interference.

The timestamp represents the timeline after the device be booted up, for example, 11325.972485 means device operated for 11325.972485 seconds after booted up.

Giving that the time rolling CAC started in 11325.972485 seconds, ended in 11389.920841 seconds, the period the function activated last for “11389.920841-11325.972485” second, which is equal to **63.948356** seconds, thus the EUT shows the compliance to the requirements stated in TCB workshop Apr. 11, 2018.

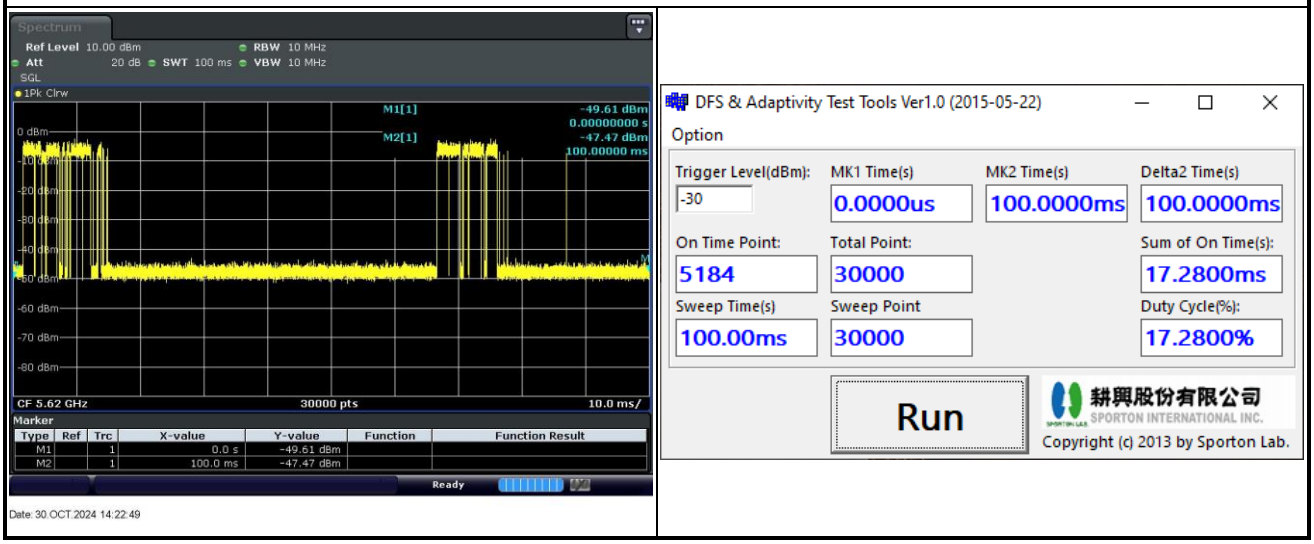
3.3 Operating Channel Loading

3.3.1 Test Procedures

(1) One frequency will be chosen from the Operating Channels of the EUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected.
(2) The TCP protocol unicast data stream was generated by the iperf software command line with at least 17% activity ratio over any 100ms period.
(3) Timing plots are reported with calculations demonstrating a minimum channel loading of approximately 17% or greater. For example, channel loading can be estimated by setting the spectrum analyzer for zero span and approximate the Time On/ (Time On + Off Time).

3.3.2 Operating Channel Loading Plots

Channel Loading > 17% (Master)



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Vector Generator	Keysight	N5182B	MY57300963	9KHz~6GHz	Mar. 26, 2024	Oct. 30, 2024	Mar. 25, 2025	DFS (DFS01-CA)
Frequency Extender for EXG or MXG	Keysight	N5182BX07	MY59360230	9kHz~7.2GHz	Mar. 26, 2024	Oct. 30, 2024	Mar. 25, 2025	DFS (DFS01-CA
Spectrum Analyzer	Rohde & Schwarz	FSV13	101559	10Hz~13.6GHz	Aug. 07, 2024	Oct. 30, 2024	Aug. 06, 2025	DFS (DFS01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	01894	1GHz ~18GHz	Aug. 07, 2024	Oct. 30, 2024	Aug. 06, 2025	DFS (DFS01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	01895	1GHz ~18GHz	Aug. 15, 2024	Oct. 30, 2024	Aug. 14, 2025	DFS (DFS01-CA)
Hygrometer	Testo	608-H1	45142588	Temperature & Humidity	Aug. 14, 2024	Oct. 30, 2024	Aug. 13, 2025	DFS (DFS01-CA)

Appendix A. DFS Radar Parameters

Sporton Lilia DFS Chamber 2024-10-30
Pine Module In R47(X10) host

80Mhz RCAC detection with 26% Iperf traffic.
Radar detected on RCAC frequency.

[21404.640134] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_cac_completion: cac expired, chan 5300 cur time 21104
[21404.640167] wlan: [0:I:CMN_MLME] mlme_vdev_subst_up_active_event: mlme_vdev_subst_up_active_event vdev_id 0, mode 1, event 7, state 3, substate 19, bss freq 5300, des freq 5300
[21404.640577] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_COMPLETED event delivered on chan freq 5260.
[21404.640584] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_COMPLETED event delivered on chan freq 5280.
[21404.640592] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_COMPLETED event delivered on chan freq 5300.
[21404.640600] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_COMPLETED event delivered on chan freq 5320.
[21404.645651] wlan: [2891:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:0e:bd:cf:ac:e5:49, subtype:0x30 Reassociation Response
[21404.645745] wlan: [2891:E:ANY] ol_net80211_chwidth_change: Chan width not capable for the existing phymode
[21425.608638] wlan: [2891:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:80:a9:97:2a:b0:a8, subtype:0x10 Association Response
[21425.922038] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:80:a9:97:2a:b0:a8, subtype:0xa0 Disassociation
[21426.240304] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:80:a9:97:2a:b0:a8, subtype:0x10 Association Response
[21704.644475] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:38:1d:14:0f:fd:66, subtype:0xc0 Deauthentication
[21809.977250] wlan: [51739:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_set_rcac_freq: rolling cac freq 5530
[21846.650107] wlan: [51824:E:ANY] ieee80211_ucfg_set_chanswitch: Destination and current channels are the same. Exiting without error.
[21872.510766] wlan: [51883:E:CMN_MLME] wlan_pdev_mlme_vdev_sm_csa_restart: Starting MVR for Pdev 0
[21872.510780] wlan: [0:I:CMN_MLME] mlme_vdev_subst_up_active_event: mlme_vdev_subst_up_active_event vdev_id 0, mode 1, event 24, state 3, substate 19, bss freq 5300, des freq 5180
[21872.510941] wlan: [0:I:CMN_MLME] mlme_dfs_is_cac_required: des chan(36) is non-dfs, CAC not needed
[21872.510974] wlan: [0:I:CMN_MLME] mlme_dfs_is_cac_required: des chan(36) is non-dfs, CAC not needed
[21872.540987] wlan: [0:I:CMN_MLME] mlme_dfs_is_cac_required: des chan(36) is non-dfs, CAC not needed
[21873.037483] wlan: [0:I:CMN_MLME] mlme_dfs_is_cac_required: des chan(36) is non-dfs, CAC not needed
[21873.037578] wlan: [0:E:CMN_MLME] mlme_multivdev_restart: Sending MVR for Pdev 0
[21873.037593] wlan: [0:E:CMN_MLME] mlme_vdev_multivdev_restart_fw_send_cb: (vdev-id:0) des chan(36)
[21873.037617] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]INIT, EV_AGILE_STOP
[21873.037625] wlan: [0:I:CMN_MLME] phymode for mvr: 18
[21873.037644] wlan: [0:E:ANY] send_multiple_vdev_restart_req_cmd_tlv: Freq: 5180, dfs_set: 0, phymode: 18, is_half: 0, is_quarter: 0
[21873.037716] wlan: [0:E:ANY] ieee80211_lr_ofdma_config_mu_edca: No apply mu_edca for non-AP mode: vdev_id 1, mode 1!
[21873.070719] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]INIT, EV_AGILE_START

[21873.070866] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_start_agile_rcac_timer: Host RCAC timeout = 62000 ms
[21873.070911] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] RUNNING
[21873.070969] wlan: [0:I:dfs] vdev[0] ieee chan:36 freq:5180
[21873.071106] wlan: [0:I:dfs] Skip CAC on NON-DFS chan
[21873.071153] wlan: [0:I:CMN_MLME] mlme_vdev_subst_up_active_event: mlme_vdev_subst_up_active_event vdev_id 0, mode 1, event 7, state 3, substate 19, bss freq 5180, des freq 5180
[21873.071476] wlan: [0:I:dfs] vdev[0]: Mgt Rate:6000(kbps)
[21935.072151] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]RUNNING, EV_AGILE_DONE
[21935.072201] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5260.
[21935.072209] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5280.
[21935.072215] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5300.
[21935.072222] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5320.
[21935.072226] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] COMPLETE
[22186.658857] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_radar_ind_on_agile_chan: Radar found on Agile detector freq=5290 radar freq=5290, bw=0
[22186.658961] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs RADAR_DETECT event delivered on chan freq 5290.
[22186.658982] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs NOL_START event delivered on chan freq 5290.
[22186.659779] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]COMPLETE, EV_ADFS_RADAR_FOUND
[22186.659926] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_start_agile_rcac_timer: Host RCAC timeout = 62000 ms
[22186.659967] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] RUNNING
[22186.661751] wlan: [0:D:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_ocac_complete: OCAC completion event is received on a different channel 5290 0 that is not the current Agile channel 5530
[22250.464145] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]RUNNING, EV_AGILE_DONE
[22250.464212] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5500.
[22250.464220] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5520.
[22250.464227] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5540.
[22250.464234] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5560.
[22250.464239] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] COMPLETE
[22286.670955] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_radar_ind_on_agile_chan: Radar found on Agile detector freq=5530 radar freq=5530, bw=0
[22286.671050] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs RADAR_DETECT event delivered on chan freq 5530.
[22286.671070] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs NOL_START event delivered on chan freq 5530.
[22286.671864] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]COMPLETE, EV_ADFS_RADAR_FOUND
[22286.672005] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] INIT
[22286.673778] wlan: [0:D:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_ocac_complete: OCAC completion event is received on a different channel 5530 0 that is not the current Agile channel 0

80MHz Op channel 5530 , RCAC 5300
Iperf 25% traffic: (radar injected at 5320)
Radar detected on RCAC frequency.

[16946.275265] wlan: [11017:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_START event delivered on chan freq 5540.
[16946.275273] wlan: [11017:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_START event delivered on chan freq 5560.
[17009.632119] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_cac_completion: cac expired, chan 5500 cur time 16709
[17009.632152] wlan: [0:I:CMN_MLME] mlme_vdev_subst_up_active_event: mlme_vdev_subst_up_active_event vdev_id 0, mode 1, event 7, state 3, substate 19, bss freq 5500, des freq 5500
[17009.632568] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_COMPLETED event delivered on chan freq 5500.
[17009.632575] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_COMPLETED event delivered on chan freq 5520.
[17009.632583] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_COMPLETED event delivered on chan freq 5540.
[17009.632589] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_COMPLETED event delivered on chan freq 5560.
[17009.632647] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]RUNNING, EV_AGILE_DONE
[17009.632674] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5260.
[17009.632681] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5280.
[17009.632690] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5300.
[17009.632697] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5320.
[17009.632702] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] COMPLETE
[17009.637516] wlan: [2891:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:0e:bd:cf:ac:e5:49, subtype:0x30 Reassociation Response
[17009.637611] wlan: [2891:E:ANY] ol_net80211_chwidth_change: Chan width not capable for the existing phymode
[17015.839294] wlan: [2891:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:80:a9:97:2a:b0:a8, subtype:0x10 Association Response
[17016.152457] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:80:a9:97:2a:b0:a8, subtype:0xa0 Disassociation
[17016.470409] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:80:a9:97:2a:b0:a8, subtype:0x10 Association Response
[17017.866176] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:80:a9:97:2a:b0:a8, subtype:0x10 Association Response

[17194.314144] wlan: [41126:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_set_rcac_freq: rolling cac freq 5300
[17309.646054] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:38:1d:14:0f:fd:66, subtype:0xc0 Deauthentication
[18585.599767] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_radar_ind_on_agile_chan: Radar found on Agile detector freq=5290 radar freq=5320, bw=0
[18585.599860] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs RADAR_DETECT event delivered on chan freq 5320.
[18585.599881] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs NOL_START event delivered on chan freq 5290.
[18585.600797] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]COMPLETE, EV_ADFS_RADAR_FOUND
[18585.600941] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] INIT
[18585.602593] wlan: [0:D:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_ocac_complete: OCAC completion event is received on a different channel 5290 0 that is not the current Agile channel 0

20MHz RCAC starting from DFS Channel:
iperf Traffic 26%:
RCAC: ch 100, Operating Ch: 124

Radar detected on RCAC frequency.

[11123.680235] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5580.
[11123.680251] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5580.
[11123.680260] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] COMPLETE
[11252.637806] wlan: [27647:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_set_rcac_freq: rolling cac freq 5500
[11325.381663] wlan: [27811:E:CMN_MLME] wlan_pdev_mlme_vdev_sm_csa_restart: Starting MVR for Pdev 0
[11325.381677] wlan: [0:I:CMN_MLME] mlme_vdev_subst_up_active_event: mlme_vdev_subst_up_active_event vdev_id 0, mode 1, event 24, state 3, substate 19, bss freq 5500, des freq 5620
[11325.939153] wlan: [0:E:CMN_MLME] mlme_vdev_is_newchan_no_cac_cb: (vdev-id:0) des chan(124) needs CAC
[11325.939691] wlan: [0:E:ANY] ieee80211_lr_ofdma_config_mu_edca: No apply mu_edca for non-AP mode: vdev_id 1, mode 1!
[11325.944811] wlan: [0:E:CMN_MLME] mlme_multivdev_restart: Sending MVR for Pdev 0
[11325.944832] wlan: [0:E:CMN_MLME] mlme_vdev_multivdev_restart_fw_send_cb: (vdev-id:0) des chan(124)
[11325.944854] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]COMPLETE, EV_AGILE_STOP
[11325.944892] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] INIT
[11325.944897] wlan: [0:I:CMN_MLME] phymode for mvr: 16
[11325.944912] wlan: [0:E:ANY] send_multiple_vdev_restart_req_cmd_tlv: Freq: 5620, dfs_set: 1, phymode: 16, is_half: 0, is_quarter: 0

[11325.944934] wlan: [0:E:ANY] ieee80211_lr_ofdma_config_mu_edca: No apply mu_edca for non-AP mode: vdev_id 1, mode 1!
[11325.946533] wlan: [0:D:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_ocac_complete: OCAC completion event is received on a different channel 5580 0 that is not the current Agile channel 0
[11325.972448] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]INIT, EV_AGILE_START
[11325.972485] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_start_agile_rcac_timer: Host RCAC timeout = 62000 ms
[11325.972513] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] RUNNING
[11325.972603] wlan: [0:I:dfs] vdev[0] ieee chan:124 freq:5620
[11325.972763] wlan: [0:I:dfs] vdev[0]: Mgt Rate:6000(kbps)
[11325.972951] wlan: [11017:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_START event delivered on chan freq 5620.
[11389.920074] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_cac_completion: cac expired, chan 5620 cur time 11089
[11389.920107] wlan: [0:I:CMN_MLME] mlme_vdev_subst_up_active_event: mlme_vdev_subst_up_active_event vdev_id 0, mode 1, event 7, state 3, substate 19, bss freq 5620, des freq 5620
[11389.920537] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs CAC_COMPLETED event delivered on chan freq 5620.
[11389.920780] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]RUNNING, EV_AGILE_DONE
[11389.920828] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5500.
[11389.920833] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5500.
[11389.920841] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5500.
[11389.920844] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] COMPLETE
[11389.925533] wlan: [2891:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:0e:bd:cf:ac:e5:49, subtype:0x30 Reassociation Response
[11399.837020] wlan: [2891:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:0e:bd:cf:ac:e5:49, subtype:0x10 Association Response
[11400.149067] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:0e:bd:cf:ac:e5:49, subtype:0xa0 Disassociation
[11400.469836] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:0e:bd:cf:ac:e5:49, subtype:0x10 Association Response
[11650.505099] wlan: [2891:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:80:a9:97:2a:b0:a8, subtype:0x10 Association Response
[11650.819029] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:80:a9:97:2a:b0:a8, subtype:0xa0 Disassociation
[11651.136854] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:80:a9:97:2a:b0:a8, subtype:0x10 Association Response
[11689.927273] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:38:1d:14:0f:fd:66, subtype:0xc0 Deauthentication
[12080.788855] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_radar_ind_on_agile_chan: Radar found on Agile detector freq=5500 radar freq=5500, bw=0
[12080.788947] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs RADAR_DETECT event delivered on chan freq 5500.
[12080.788968] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs NOL_START event delivered on chan freq 5500.

[12080.789910] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]COMPLETE, EV_ADFS_RADAR_FOUND

SET NEW RCAC CHANNEL 5540

Radar detected on RCAC frequency.

[12080.790058] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] INIT
[12080.792049] wlan: [0:D:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_ocac_complete: OCAC completion event is received on a different channel 5500 0 that is not the current Agile channel 0
[12285.396988] wlan: [30060:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_set_rcac_freq: rolling cac freq 5540
[12557.967959] wlan: [0:D:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_radar_ind_on_home_chan: Radar found on channel=124, freq=5620 MHz. Primary beaconning chan:124, freq=5620 MHz.
[12557.968094] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs RADAR_DETECT event delivered on chan freq 5620.
[12557.968114] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs NOL_START event delivered on chan freq 5620.
[12557.969032] wlan: [0:E:CMN_MLME] wlan_pdev_mlme_vdev_sm_notify_radar_ind: Starting MVR for Pdev 0
[12557.969076] wlan: [0:I:CMN_MLME] mlme_vdev_subst_up_active_event: mlme_vdev_subst_up_active_event vdev_id 0, mode 1, event 23, state 3, substate 19, bss freq 5620, des freq 5200
[12557.969160] wlan: [0:I:CMN_MLME] mlme_dfs_is_cac_required: des chan(40) is non-dfs, CAC not needed
[12557.969202] wlan: [0:I:CMN_MLME] mlme_dfs_is_cac_required: des chan(40) is non-dfs, CAC not needed
[12557.969284] wlan: [0:E:TIF] target_if_dfs_radar_detection_event_handler: dfs_process_radar_ind failed pdev_id=0

INJECTED ON 5540 RCAC CHANNEL
[12838.838167] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_radar_ind_on_agile_chan: Radar found on Agile detector freq=5540 radar freq=5540, bw=0
[12838.838266] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs RADAR_DETECT event delivered on chan freq 5540.
[12838.838285] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs NOL_START event delivered on chan freq 5540.
[12838.839116] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]COMPLETE, EV_ADFS_RADAR_FOUND
[12838.839246] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_start_agile_rcac_timer: Host RCAC timeout = 62000 ms
[12838.839317] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] RUNNING
[12838.841105] wlan: [0:D:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_ocac_complete: OCAC completion event is received on a different channel 5540 0 that is not the current Agile channel 5520
[12901.344115] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]RUNNING, EV_AGILE_DONE
[12901.344164] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5520.
[12901.344174] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5520.
[12901.344184] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5520.
[12901.344188] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] COMPLETE
[12931.329360] wlan: [31507:E:ANY] ieee80211_ucfg_set_chanswitch: Channel is Radar channel

Confirmed manual channel change to RCAC channel and was rejected (due to NOL)

X80 MHZ. RCAC. PRI20=60 but 80MHz BW (Fc=5290)
OPERATING – PRI ch 36 (but BW80 (Fc= 5210)
Next changed to RCAC channel manually: 5500 with Traffic still going

Rejected channel change in UI since 100 in the NOL

20MHz With Traffic RCAC 5500 (100). Operating 5180 (36). Iperf 25%

Radar detected on RCAC frequency.

4688.864072] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]RUNNING, EV_AGILE_DONE

[4688.864122] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5500.

[4688.864131] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5500.

[4688.864143] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5500.

[4688.864148] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] COMPLETE

[4854.168199] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_radar_ind_on_agile_chan: Radar found on Agile detector freq=5500 radar freq=5500, bw=0

[4854.168222] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs RADAR_DETECT event delivered on chan freq 5500.

[4854.168239] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs NOL_START event delivered on chan freq 5500.

[4854.169113] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]COMPLETE, EV_ADFS_RADAR_FOUND

[4854.169217] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_start_agile_rcac_timer: Host RCAC timeout = 62000 ms

[4854.169240] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] RUNNING

[4854.170972] wlan: [0:D:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_ocac_complete: OCAC completion event is received on a different channel 5500 0 that is not the current Agile channel 5620

[4916.192053] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]RUNNING, EV_AGILE_DONE

[4916.192105] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5620.

[4916.192115] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5620.

[4916.192123] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5620.

[4916.192128] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] COMPLETE

20MHz No Traffic. 11:00AM. RCAC 5300 (60). Operating 5180 (36). No iperf

Radar detected on RCAC frequency.

2541.953741] wlan: [7892:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_set_rcac_freq: rolling cac freq 5300

[2656.139586] wlan: [8150:E:CMN_MLME] wlan_pdev_mlme_vdev_sm_csa_restart: Starting MVR for Pdev 0

[2656.139600] wlan: [0:I:CMN_MLME] mlme_vdev_subst_up_active_event: mlme_vdev_subst_up_active_event vdev_id 0, mode 1, event 24, state 3, substate 19, bss freq 5300, des freq 5180

[2656.139744] wlan: [0:I:CMN_MLME] mlme_dfs_is_cac_required: des chan(36) is non-dfs, CAC not needed

[2656.139778] wlan: [0:I:CMN_MLME] mlme_dfs_is_cac_required: des chan(36) is non-dfs, CAC not needed

[2656.666654] wlan: [0:I:CMN_MLME] mlme_dfs_is_cac_required: des chan(36) is non-dfs, CAC not needed

[2656.666763] wlan: [0:E:CMN_MLME] mlme_multivdev_restart: Sending MVR for Pdev 0

[2656.666778] wlan: [0:E:CMN_MLME] mlme_vdev_multivdev_restart_fw_send_cb: (vdev-id:0) des chan(36)

[2656.666803] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]COMPLETE, EV_AGILE_STOP

[2656.666856] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] INIT

[2656.666881] wlan: [0:I:CMN_MLME] phymode for mvr: 16

[2656.666904] wlan: [0:E:ANY] send_multiple_vdev_restart_req_cmd_tlv: Freq: 5180, dfs_set: 0, phymode: 16, is_half: 0, is_quarter: 0

[2656.666937] wlan: [0:E:ANY] ieee80211_lr_ofdma_config_mu_edca: No apply mu_edca for non-AP mode: vdev_id 1, mode 1!

[2656.668330] wlan: [0:D:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_ocac_complete: OCAC completion event is received on a different channel 5520 0 that is not the current Agile channel 0

[2656.699924] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]INIT, EV_AGILE_START

[2656.699959] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_start_agile_rcac_timer: Host RCAC timeout = 62000 ms

[2656.699989] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] RUNNING

[2656.700129] wlan: [0:I:dfs] vdev[0] ieee chan:36 freq:5180

[2656.700218] wlan: [0:I:dfs] Skip CAC on NON-DFS chan

[2656.700227] wlan: [0:I:CMN_MLME] mlme_vdev_subst_up_active_event: mlme_vdev_subst_up_active_event vdev_id 0, mode 1, event 7, state 3, substate 19, bss freq 5180, des freq 5180

[2656.700512] wlan: [0:I:dfs] vdev[0]: Mgt Rate:6000(kbps)

[2720.736040] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]RUNNING, EV_AGILE_DONE

[2720.736081] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5300.

[2720.736091] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5300.

[2720.736102] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs PRECAC_COMPLETED event delivered on chan freq 5300.

[2720.736107] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] COMPLETE

[2774.863957] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_radar_ind_on_agile_chan: Radar found on Agile detector freq=5300 radar freq=5300, bw=0

[2774.863980] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs RADAR_DETECT event delivered on chan freq 5300.

[2774.863995] wlan: [0:I:dfs] ieee80211_dfs_deliver_event: dfs NOL_START event delivered on chan freq 5300.

[2774.865010] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state_event: [DFS_AGILE]COMPLETE, EV_ADFS_RADAR_FOUND

[2774.865119] wlan: [0:D:dfs] WLAN_DEBUG_DFS_AGILE : dfs_agile_sm_print_state: ->[DFS_AGILE] INIT

[2774.866900] wlan: [0:D:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_process_ocac_complete: OCAC completion event is received on a different channel 5300 0 that is not the current Agile channel 0

[2821.430119] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_print_nol: nol:0 start=5490 MHz end=5510 MHz time left=182 seconds nol start_us=1203771852

[2821.430126] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_print_nol: nol:1 start=5250 MHz end=5270 MHz time left=334 seconds nol start_us=1356207876

[2821.430132] wlan: [0:I:dfs] WLAN_DEBUG_DFS_ALWAYS : dfs_print_nol: nol:2 start=5290 MHz end=5310 MHz time left=1753 seconds nol start_us=2774863970

[2835.625023] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:38:1d:14:0f:fd:66, subtype:0x10 Association Response

[2839.630103] wlan: [0:E:ANY] ieee80211_mlme_frame_complete_handler: mac_addr:38:1d:14:0f:fd:66, subtype:0xc0 Deauthentication