

Report No. : FZ181814



DFS TEST REPORT

FCC ID	: TL	Z-CM467
Equipment	: IEE	E 802.11 a/b/g/n/ac and Bluetooth 5.0 Module
Brand Name	: Azı	JreWave
Model Name	: AW AW	-CM467-SUR, AW-CM467-USB, -CM467-SUR-I, AW-CM467-USB-I
Applicant	8F.,	ureWave Technologies, Inc. No.94, Baozhong Rd. , Xindian Dist., New pei City , Taiwan 231
Manufacturer	8F.,	reWave Technologies, Inc. No.94, Baozhong Rd. , Xindian Dist., New pei City , Taiwan 231
Standard	: 47 (CFR FCC Part 15.407

The product was received on Aug. 30, 2021, and testing was started from Nov. 05, 2021 and completed on Nov. 05, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

NNI

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

TEL : 886-3-656-9065 FAX : 886-3-656-9085 Report Template No.: CB-A12_4 Ver1.1

Page Number : 1 of 26 Issued Date : Dec. 15, 2021 Report Version : 01



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Appendix A. Test Photos

Photographs of EUT v01



History of this test report

Report No.	Version	Description	Issued Date
FZ181814	01	Initial issue of report	Dec. 15, 2021



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark		
3.3	FCC KDB 905462 7.8.3	DFS: In-Service Monitoring for Channel Move Time (CMT)	PASS	-		
3.3	FCC KDB 905462 7.8.3	DFS: In-Service Monitoring for Channel Closing Transmission Time (CCTT)	PASS	-		
3.3	FCC KDB 905462 7.8.3	DFS: In-Service Monitoring for Non-Occupancy Period (NOP)	PASS	-		
	Note: Since the product is client without radar detection function, only Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period are required to perform.					

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Penny Kao



1 General Description

1.1 Information

1.1.1 RF General Information

Specification Items	Descript	ion		
Frequency Range	5250 MHz – 5350 MHz			
	5470 MHz – 5725 MHz			
Power Type	From Host System			
Channel Bandwidth	20/40/80 MHz operating channel band	width		
	Master			
	Bridge			
Operating Mode	Mesh			
	Client with radar detection			
	Client without radar detection			
Communication Mode	IP Based (Load Based)	Frame Based		
TPC Function	With TPC	Without TPC		
Weather Band (5600~5650MHz)	⊠ With 5600~5650MHz	Without 5600~5650MHz		
<u> </u>	1.15 RC0.0 wl0: Dec 20 2020 19:46:14 version 13.10.246.247 (fb87df5			
Firmware Number	CY) FWID 01-ccacfea3			
 VHT20, VHT40, VHT80 use modulation. 	mbination of OFDM-BPSK, QPSK, 16Q, a combination of OFDM-BPSK, QP	SK, 16QAM, 64QAM, 256QAM		
 EUT employ a TPC mechanis output power. 	te at least 6 dB below highest RF			

Note: The above information was declared by manufacturer.



TPC Power Result

Mode	Min Power (dBm)	Max Power (dBm)	Min EIRP (dBm)	Max EIRP (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	(ubiii)
5.25-5.35GHz	13.34	19.34	18.50	24.50
	-			
5.47-5.725GHz	12.96	18.96	18.12	24.12
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5.25-5.35GHz	13.15	19.15	18.31	24.31
5.47-5.725GHz	12.94	18.94	18.10	24.10
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5.25-5.35GHz	12.60	18.60	17.76	23.76
5.47-5.725GHz	13.02	19.02	18.18	24.18
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5.25-5.35GHz	4.92	10.92	10.08	16.08
5.47-5.725GHz	13.00	19.00	18.16	24.16



1.1.2 Antenna Information

						Gain (o	dBi)	
Ant.	Port	Brand	Model Name	Antenna Type	Connector	WLAN 2.4GHz / Bluetooth	WLAN 5GHz	Remark
1	1	Nienyi	NYS4939	PCB	I-PEX	3.58	3.89	External
2	1	Genesis	650-10045-01	PCB	I-PEX	2.50	3.85	External
3	1	Lynwave	5-PP005737	PCB	I-PEX	4.20	3.60	Internal
4	1	Maglayers	MSA-4008-25GC1-A1	PIFA	I-PEX	2.98	5.16	External
5	1	Maglayers	MSA-4008-25GC1-A2	PIFA	I-PEX	2.98	5.16	External

Note 1: The above information was declared by manufacturer.

Note 2: The EUT has five antennas.

For DFS test, only the lowest gain antenna "Ant. 3" was tested and recorded in the report.

For 2.4GHz WLAN function

IEEE 802.11b/g/n mode (1TX/1RX):

Only Port 1 can be used as transmitting/receiving.

For 5GHz WLAN function

IEEE 802.11a/n/ac mode (1TX/1RX):

Only Port 1 can be used as transmitting/receiving.

For Bluetooth function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving.



1.1.3 DFS Band Carrier Frequencies

There are three bandwidth systems.

For 20MHz bandwidth systems, use Channel 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136,

140, 144.

For 40MHz bandwidth systems, use Channel 54, 62, 102, 110, 118, 126, 134, 142.

For 80MHz bandwidth systems, use Channel 58, 106, 122, 138.

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
	52	5260 MHz	60	5300 MHz
5250~5350 MHz	54	5270 MHz	62	5310 MHz
Band 2	56	5280 MHz	64	5320 MHz
	58	5290 MHz	-	-
	100	5500 MHz	124	5620 MHz
	102	5510 MHz	126	5630 MHz
	104	5520 MHz	128	5640 MHz
	106	5530 MHz	132	5660 MHz
5470~5725 MHz Band 3	108	5540 MHz	134	5670 MHz
	110	5550 MHz	136	5680 MHz
Banu S	112	5560 MHz	138	5690 MHz
	116	5580 MHz	140	5700 MHz
	118	5590 MHz	142	5710 MHz
	120	5600 MHz	144	5720 MHz
	122	5610 MHz	-	-

1.1.4 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

EUT	Model Name	Interface	Equip Antenna	Description	
1	AW-CM467-SUR SDIO-UART External or				
	AW-CM467-SUR-I		Internal Antenna	served as marketing strategy.	
2	AW-CM467-USB	USB-USB	External Antenna	All the models are identical, the difference model for difference brand	
2	AW-CM467-USB-I	030-030	External Antenna	served as marketing strategy.	

Note 1: After evaluating, model: AW-CM467-SUR (EUT 1) was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.



1.2 Accessories

N/A

1.3 Support Equipment

	Support Equipment							
No. Equipment Brand Name Model Name FCC II								
А	Notebook	DELL	E4300	N/A				
В	WLAN AP	ASUS	RT-AX88U	MSQ-RTAXHP00				
С	Notebook	HP	PAVILION	N/A				
D	Fixture	AzureWare	2467 15	N/A				
Е	Fixture	AzureWare	9007-I12 CK77	N/A				

1.4 Applicable Standards

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

- 47 CFR FCC Part 15.407
- FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

1.5 Testing Location Information

Testing Location Information							
Test Lab. : Sporton	Test Lab. : Sporton International Inc. Hsinchu Laboratory						
Hsinchu	Hsinchu ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)						
(TAF: 3787)	(TAF: 3787) TEL: 886-3-656-9065 FAX: 886-3-656-9085						
	Test site Designation No. TW3787 with FCC.						
	Conformity Assessment Body Identifier (CABID) TW3787 with ISED.						

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
DFS	DF01-CB	Mason Chan	23.2-23.6 / 62-66	Nov. 05, 2021



2 Test Configuration of EUT

2.1 Test Channel Frequencies Configuration

Test Channel Frequencies Configuration			
IEEE Std. Test Channel Freq. (MHz)			
802.11ac (VHT80)	5530 MHz		

2.2 The Worst Case Measurement Configuration

Th	The Worst Case Mode for Following Conformance Tests				
Tests Item Dynamic Frequency Selection (DFS)					
Test Condition	Radiated measurement The EUT shall be configured to operate at the highest transmitter output power setting. If more than one antenna assembly is intended for this power setting, the gain of the antenna assembly with the lowest gain shall be used. The DFS radar test signals have been aligned to the direction corresponding to the EUT's maximum antenna gain.				
Modulation Mode 802.11ac (VHT80)					
Test Mode	EUT 1 + Ant. 3				



3 Dynamic Frequency Selection (DFS) Test Result

3.1 General DFS Information

3.1.1 DFS Parameters

Table D.1: DFS requirement values					
Parameter Value					
Non-occupancy period	Minimum 30 minutes				
Channel Availability Check Time	60 seconds				
Channel Move Time	10 seconds (Note 1).				
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second periods. (Notes 1 and 2).				
U-NII Detection Bandwidth	Minimum 100% of the 99% power bandwidth (Note 3).				

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate Channel changes (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
 Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 is used and for each frequency step the minimum percentage of detection is 90%. Measurements are performed with no data traffic.

Table D.2: Interference threshold values					
Maximum Transmit Power Value (see note)					
EIRP ≥ 200 mW -64 dBm					
EIRP < 200 mW and PSD < 10dBm/MHz -62 dBm					
EIRP < 200 mW and PSD >= 10dBm/MHz -64 dBm					
Note 1. This is the level at the input of the receive	r assuming a 0 dBi receive antenna				

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911D01.



3.1.2 Applicability of DFS Requirements Prior to Use of a Channel

	DFS Operational mode				
Requirement	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		
U-NII Detection Bandwidth	Yes	Not required	Yes		

3.1.3 Applicability of DFS Requirements during Normal Operation

	DFS Operational mode				
Requirement	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		

Additional requirements for devices with multiple bandwidth modes	Master Device 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.					



3.1.4 Channel Loading/Data Streaming

	The data file (MPEG-4) has been transmitting in a streaming mode.
\square	Software to ping the client is permitted to simulate data transfer with random ping intervals.
\square	Minimum channel loading of approximately 17%.
	Unicast protocol has been used.



3.2 Radar Test Waveform Calibration

3.2.1 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Trials
0	1	1428	18	See Note 1	See Note 1
1A	1	15 unique PRI in KDB 905462 D02 Table 5a	$\left[(1), (19 \times 10^6) \right]$	60%	15
1B	1	15 unique PRI within 518-3066, Excluding 1A PRI	$Roundup\left\{ \left(\frac{1}{360}\right) \times \left(\frac{19 \times 10^{6}}{PRI}\right) \right\}$	60%	15
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	4 11-20 200-500		12-16	60%	30
Aggrega	ate (Radar Type	80%	120		

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

A minimum of 30 unique waveforms are required for each of the short pulse radar types 1 through 4. If more than 30 waveforms are used for short pulse radar types 1 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. The aggregate is the average of the percentage of successful detections of short pulse radar types 1-4.

3.2.2 Long Pulse Radar Test Waveform

Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per <i>Burst</i>	Number of <i>Bursts</i>	Minimum Percentage of Successful Detection	Minimum Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Each waveform is defined as follows:

• The transmission period for the Long Pulse Radar test signal is 12 seconds.

• There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst Count.

• Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.

- The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
- Each pulse has a linear FM chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a transmission period will have the same chirp width. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and



ends at 5310 MHz.

- If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000
 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between
 the first and second pulses is chosen independently of the time between the second and third pulses.
- The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst Count. Each interval is of length (12,000,000 / Burst Count) microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and [(12,000,000 / Burst Count) (Total Burst Length) + (One Random PRI Interval)] microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.

3.2.3	Frequency Hopping Radar Test Waveform	
-------	---------------------------------------	--

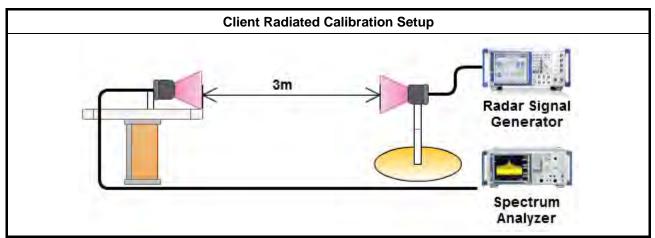
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	9	0.333	300	70%	30

The FCC Type 6 waveform uses a static waveform with 100 bursts in the instruments ARB. In addition, the RF list mode is operated with a list containing 100 frequencies from a randomly generated list and it had be ensured that at least one of the random frequencies falls into the UNII Detection Bandwidth of the DUT. Each burst from the waveform file initiates a trigger pulse at the beginning that switches the RF list from one item to the next one.

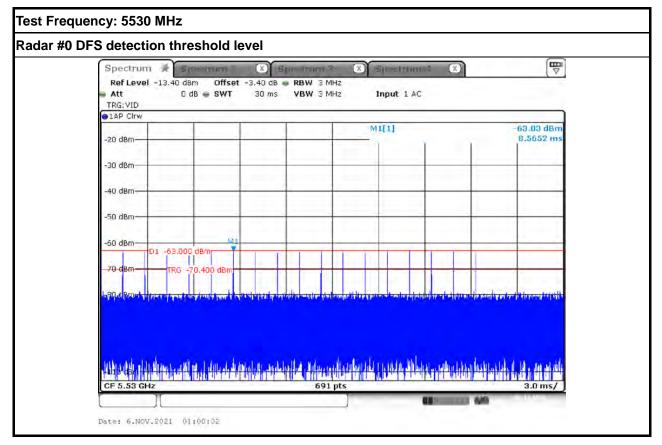
3.2.4 DFS Threshold Level

DFS Threshold Level						
DFS Threshold level:	-63	dBm	🗌 a	t the antenna connector		
		I	🖂 ir	n front of the antenna		
The Interference Rada taken into account the				d Level is $-64 dBm + 0 [dBi] + 1 dB = -63 dBm$. That had been d antenna gain.		

3.2.5 Calibration Setup



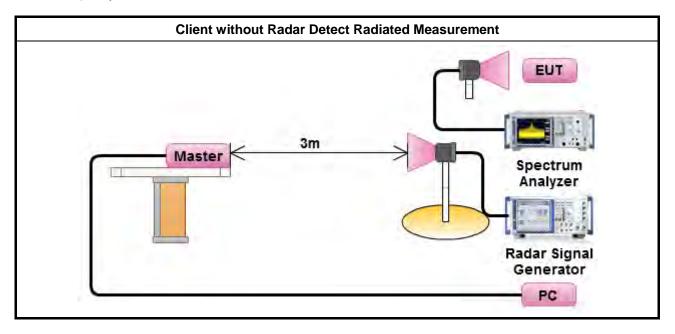
3.2.6 Radar Waveform calibration Plot





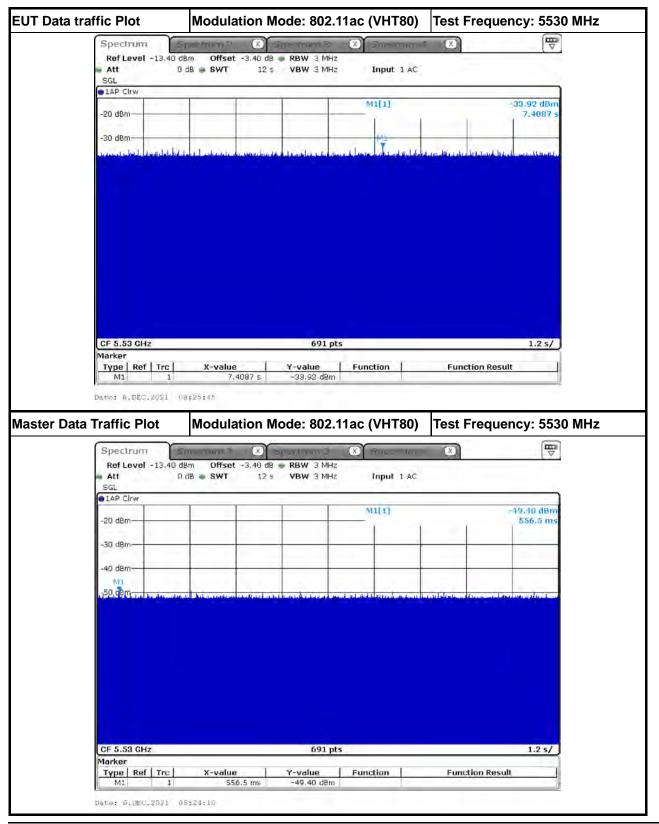
3.2.7 Test Setup

A spectrum analyzer is used as a monitor to verify that the EUT has vacated the Channel within the (Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the detection and Channel move.



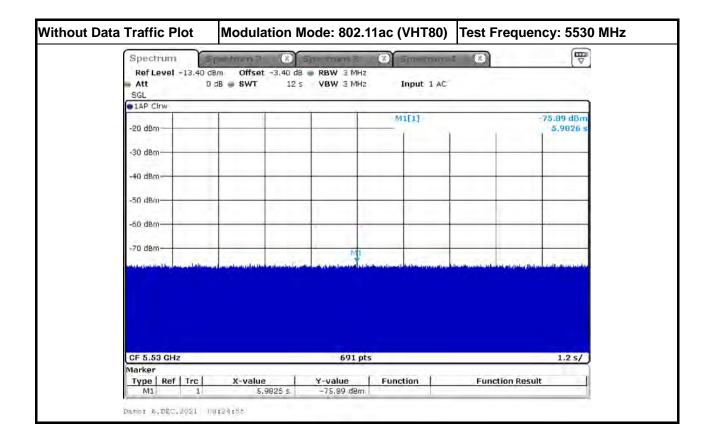


3.2.8 Data traffic Plot



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3.3 In-service Monitoring

3.3.1 In-service Monitoring Limit

In-service Monitoring Limit						
Channel Move Time	10 sec					
Channel Closing Transmission Time	200 ms + an aggregate of 60 ms over remaining 10 sec periods.					
Non-occupancy period	Minimum 30 minutes					

3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

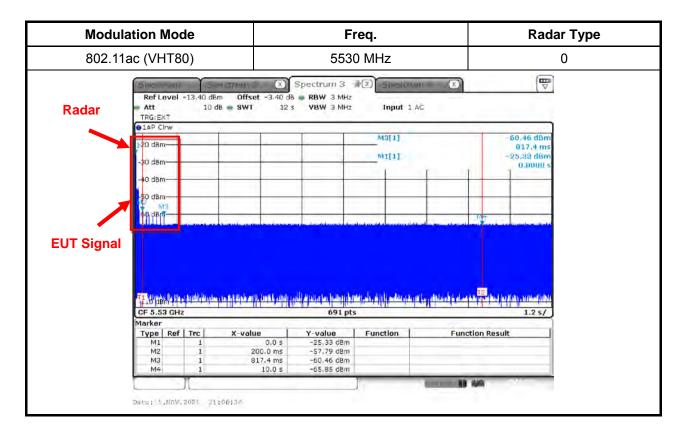
 Device will associate with the EUT. Observe the transmissions of the EUT at the on the Operating Channel for duration greater than 10 seconds. Measure and refrom the EUT during the observation time (Channel Move Time). Compare the C Channel Closing Transmission Time limits. Verified during In-Service Monitoring; Channel Closing Transmission Time, Chan 12 sec plot needs to be reported for the Short Pulse Radar Types 0. And zoom-channel closing time for the aggregate transmission time starting from 200ms af signal to the completion of the channel move. 	Test Method
12 sec plot needs to be reported for the Short Pulse Radar Types 0. And zoom- channel closing time for the aggregate transmission time starting from 200ms af signal to the completion of the channel move.	d during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. Client e will associate with the EUT. Observe the transmissions of the EUT at the end of the radar Burst Operating Channel for duration greater than 10 seconds. Measure and record the transmissions he EUT during the observation time (Channel Move Time). Compare the Channel Move Time and el Closing Transmission Time limits.
	d during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. One plot needs to be reported for the Short Pulse Radar Types 0. And zoom-in a 60 ms plot verified el closing time for the aggregate transmission time starting from 200ms after the end of the radar to the completion of the channel move.
Observe the transmissions of the EUT at the end of the radar Burst on the	d during In-Service Monitoring; Non-Occupancy Period. Client Device will associate with the EUT. we the transmissions of the EUT at the end of the radar Burst on the Operating Channel for on greater than 10 seconds. Measure and record the transmissions from the EUT during the ration time (Non-Occupancy Period). Compare the Non-Occupancy Period limits.

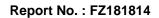


3.3.4 Test Result of Channel Move Time

Modulation Mode: 802.11ac (VHT80)

Perometer	Test Result	l imit
Parameter	Туре 0	Limit
Test Channel (MHz)	5530 MHz	-
Channel Move Time (sec.)	0.817	< 10s







3.3.5 Test Result of Channel Closing Transmission Time

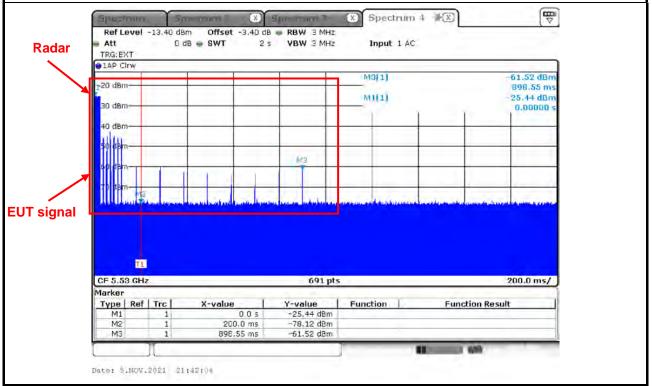
Modulation Mode: 802.11ac (VHT80)

Peromotor	Test Result	Limit	
Parameter	Туре 0	Linin	
Test Channel (MHz)	5530 MHz	-	
Channel Closing Transmission Time (ms) (Note)	23.190	< 60ms	

Note: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 seconds period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Modulation Mode	Freq.	Radar Type
802.11ac (VHT80)	5530 MHz	0

Channel Closing Transmission Time is comprised of 200 ms starting at the beginning of the Channel Move Time plus 60ms additional intermittent control signals



Dwell is the dwell time per spectrum analyzer sampling bin. S is the sweep time

B is the number of spectrum analyzer sampling bins

C is the intermittent control signals of Channel Closing Transmission Time

N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission

Dwell (2.899 ms)= S (2000 ms) / B (690) C (23.190 ms) = N (8) X Dwell (2.899 ms)



3.3.6 Test Result of Non-Occupancy Period

Modulation Mode: 802.11ac (VHT80)

Parameter	Test Result	Limit
Farameter	Туре 0	Linin
Test Channel (MHz)	5530 MHz	-
Non-Occupancy Period (min.)	≧30	\geq 30 min

Modulation Mode	Freq.
802.11ac (VHT80)	5530 MHz

Non-Occupancy Period

During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

-20 dBm	-		_		M	(1)			25.34 dBm 101.45 s
-30 d8m			_	-	_			_	
10.40-								1	T = T
-40 dBm			-						
Bm-									
8m									
510							_		1
8m	Sentemat	I to the later of	and the second states	and all the second second	a the sector of the	out the spectrum de		the state of the state	ad successful to
							e destantes	u	ali di store de s
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CF 5.53 Gł Marker Type Re	łz	X-value		691 pt: 7-value	Funct			tion Result	200.0 s/



Spear	and the second se	ectrum 2		ipe-mum 7		Spectrum	. (8)	1.0	
SGL		offset 3 e SWT		RBW 3 M VBW 3 M		Input 1 AC			
1AP Cir	ŵ.		_			M1[1]			-75.34 dBm
-20 dBm-	-			-	_	willi			1646.38 s
-30 d8m									
-30 GBm									
-40 dBm-								-	
-50 d8m-									
-50 000									
-60 dBm-				-		1		-	1
-70 dBm-							_	MI	
	and an and an		and and	Juni mar		i mana		MI	and the second
CF 5.53	GHz			691	pts				200.0 s/



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101026	9kHz~40GHz	Dec. 01, 2020	Nov. 30, 2021	Radiated (DF01-CB)
Vector Signal generator	R&S	SMU200A	102782	100kHz-6GHz	Jun. 24, 2021	Jun. 23, 2022	Radiated (DF01-CB)
Horn Antenna	COM-POWER	AH-118	071187	1GHz – 18GHz	Jul. 29, 2021	Jul. 28, 2022	Radiated (DF01-CB)
Horn Antenna	COM-POWER	AH-118	071042	1GHz – 18GHz	Dec. 22, 2020	Dec. 21, 2021	Radiated (DF01-CB)
RF Power Divider	STI	2 Way	DV-2way -05	1GHz ~ 8GHz	Oct. 04, 2021	Oct. 03, 2022	Radiated (DF01-CB)
RF Power Divider	STI	2 Way	DV-2way -06	1GHz ~ 8GHz	Oct. 04, 2021	Oct. 03, 2022	Radiated (DF01-CB)
RF Power Divider	MTJ	4 Way	DFS-01-DV- 01	1GHz ~ 6GHz	Oct. 04, 2021	Oct. 03, 2022	Radiated (DF01-CB)
RF Cable-high	Woken	RG402	High Cable-57	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiated (DF01-CB)
RF Cable-high	Woken	RG402	High Cable-58	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiated (DF01-CB)
RF Cable-high	Woken	RG402	High Cable-59	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiated (DF01-CB)

4 Test Equipment and Calibration Data

Note: Calibration Interval of instruments listed above is one year.



5 Measurement Uncertainty

Test Items	Uncertainty	Remark
Radiated Emission	3.1 dB	Confidence levels of 95%