



## CTC Laboratories, Inc.

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# TEST REPORT

## For DFS

**Report No.** ..... : CTC20231849E03  
**FCC ID** ..... : WNA-SK-R6215  
**Applicant** ..... : Shenzhen Skyworth Digital Technology Co.,LTD.  
Address..... : 14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China  
Manufacturer..... : Shenzhen Skyworth Digital Technology Co.,LTD.  
Address..... : 14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China  
**Product Name** ..... : Wi-Fi 6 Mesh Router  
Trade Mark ..... : SKYWORTH  
Model/Type reference..... : SK-R6215  
Listed Model(s) ..... : SK-G6210, SK-G6215, SK-G6225, TZN20  
**Standard** ..... : FCC CFR Title 47 Part 15 Subpart E Section 15.407  
Date of receipt of test sample..... : Sep. 19, 2023  
Date of testing..... : Sep. 19, 2023 ~ Nov. 23, 2023  
Date of issue..... : Dec. 28, 2023  
**Result**..... : PASS

Compiled by:  
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Approved by:  
(Printed name+signature) Totti Zhao

**Testing Laboratory Name** ..... : CTC Laboratories, Inc.

Address..... : 2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

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**Table of Contents**

	Page
<b>1. TEST SUMMARY .....</b>	<b>3</b>
1.1. TEST STANDARDS.....	3
1.2. REPORT VERSION .....	3
1.3. TEST DESCRIPTION.....	3
1.4. TEST FACILITY .....	4
1.5. MEASUREMENT UNCERTAINTY.....	5
1.6. ENVIRONMENTAL CONDITIONS.....	5
<b>2. GENERAL INFORMATION .....</b>	<b>6</b>
2.1. CLIENT INFORMATION .....	6
2.2. GENERAL DESCRIPTION OF EUT.....	7
2.3. ACCESSORY EQUIPMENT INFORMATION .....	9
2.4. OPERATION STATE .....	10
2.5. MEASUREMENT INSTRUMENTS LIST .....	11
<b>3. DYNAMIC FREQUENCY SELECTION.....</b>	<b>12</b>
3.1. APPLICABILITY OF DFS REQUIREMENTS.....	12
3.2. LIMITS.....	13
3.3. PARAMETERS OF RADAR TEST WAVEFORMS.....	14
3.4. TEST SETUP .....	17
3.5. TEST PROCEDURE .....	19
3.6. TEST RESULT .....	27
<b>4. EUT TEST PHOTOS.....</b>	<b>61</b>

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## 1. TEST SUMMARY

### 1.1. Test Standards

The tests were performed according to following standards:

[FCC Rules Part 15.407](#): for 802.11a/n/ac/ax, the test procedure follows the KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02.

### 1.2. Report Version

Revised No.	Date of issue	Description
01	Dec. 28, 2023	Original

### 1.3. Test Description

FCC Part 15 Subpart E (15.407) KDB 905462 D02			
Test Item	Standard Section	Result	Test Engineer
DFS Detection Threshold	15.407(h)	Pass	Sherlock
Channel Availability Check Time	15.407(h)	Pass	Sherlock
Non-Occupancy Period	15.407(h)	Pass	Sherlock
U-NII Detection Bandwidth	15.407(h)	Pass	Sherlock
Channel Closing Transmission Time	15.407(h)	Pass	Sherlock
Channel Move Time	15.407(h)	Pass	Sherlock
Statistical Performance Check	15.407(h)	Pass	Sherlock

Note:

1. The measurement uncertainty is not included in the test result.
2. N/A: means this test item is not applicable for this device according to the technology characteristic of device.



## 1.4. Test Facility

### Address of the report laboratory

#### CTC Laboratories, Inc.

Add: 2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

### Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

#### A2LA-Lab Cert. No.: 4340.01

CTC Laboratories, Inc. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

#### Industry Canada (Registration No.: 9783A, CAB Identifier: CN0029)

CTC Laboratories, Inc. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

#### FCC (Registration No.: 951311, Designation Number CN1208)

CTC Laboratories, Inc. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 951311, Aug 26, 2017.



## 1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the CTC Laboratories, Inc. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Below is the best measurement capability for CTC Laboratories, Inc.

Test Items	Measurement Uncertainty	Notes
Emission Bandwidth	±0.0196%	(1)
Maximum Conduct Output Power	±0.766dB	(1)
Power Spectral Density	±1.22dB	(1)
Band Edge Measurements	±1.328dB	(1)
Unwanted Emissions Measurement	9kHz-1GHz: ±0.746dB 1GHz-26GHz: ±1.328dB	(1)
Frequency Stability	±2.76%	(1)
Conducted Emissions 9kHz~30MHz	±3.08 dB	(1)
Radiated Emissions 30~1000MHz	±4.51 dB	(1)
Radiated Emissions 1~18GHz	±5.84 dB	(1)
Radiated Emissions 18~40GHz	±6.12 dB	(1)

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

## 1.6. Environmental Conditions

<b>Normal Condition</b>	Temperature	15 °C to 35 °C
	Relative Humidity	20 % to 75 %
	Air Pressure	101 kPa
	Voltage	The normal test voltage for the equipment shall be the nominal voltage for which the equipment was designed.
<b>Extreme Condition</b>	Temperature	Measurements shall be made over the extremes of the operating temperature range as declared by the manufacturer.
	Voltage	Measurements shall be made over the extremes of the operating temperature range as declared by the manufacturer.

<b>Normal Condition</b>	$T_N$ =Normal Temperature	25 °C
<b>Extreme Condition</b>	$T_L$ =Lower Temperature	0 °C
	$T_H$ =Higher Temperature	45 °C

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## 2. GENERAL INFORMATION

### 2.1. Client Information

Applicant:	Shenzhen Skyworth Digital Technology Co.,LTD.
Address:	14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China
Manufacturer:	Shenzhen Skyworth Digital Technology Co.,LTD.
Address:	14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China
Factory:	Shenzhen Skyworth Digital Technology Co.,LTD. Baoan Branch Factory
Address:	2-5F,Integration Multi-Storied Building, Skyworth Science and Technology Industrial Park, Tangtou Industrial Zone, Shiyan Street, Baoan District, Shenzhen city, China.

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## 2.2. General Description of EUT

Product Name:	Wi-Fi 6 Mesh Router			
Trade Mark:	SKYWORTH			
Model/Type reference:	SK-R6215			
Listed Model(s):	SK-G6210, SK-G6215, SK-G6225, TZN20			
Model Difference:	All these models have the same product appearance, PCB, layout, material, RF circuit, and software and hardware, and will not affect the RF characteristics. The difference lies in the product model.			
Power Supply:	DC12V 1.5A from AC/DC Adapter			
Adapter Model	YS-SKY120150U01P Input: 100-240V~ 50/60Hz 0.6A Output: 12Vdc/1.5A			
Hardware Version:	/			
Software Version:	/			
<b>5G Wi-Fi</b>				
Operation Band:	<input checked="" type="checkbox"/> U-NII-1	<input checked="" type="checkbox"/> U-NII-2A	<input checked="" type="checkbox"/> U-NII-2C	<input checked="" type="checkbox"/> U-NII-3
Operation Frequency:	U-NII-1	5150MHz~5250MHz		
	U-NII-2A	5250MHz~5350MHz		
	U-NII-2C	5470MHz~5725MHz		
	U-NII-3	5725MHz~5850MHz		
Support Bandwidth:	802.11a	<input checked="" type="checkbox"/> 20MHz		
	802.11n	<input checked="" type="checkbox"/> 20MHz	<input checked="" type="checkbox"/> 40MHz	
	802.11ac	<input checked="" type="checkbox"/> 20MHz	<input checked="" type="checkbox"/> 40MHz	<input checked="" type="checkbox"/> 80MHz
	802.11ax	<input checked="" type="checkbox"/> 20MHz	<input checked="" type="checkbox"/> 40MHz	<input checked="" type="checkbox"/> 80MHz
Modulation:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM)			
	802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)			
	802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)			
	802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)			
Antenna Type:	Internal Antenna			
Antenna Gain:	3.88dBi			

**According to FCC Rules Part 15.407:**

U-NII devices operating in the 5.25–5.35 GHz band and the 5.47–5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25–5.35 GHz and 5.47–5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems.

1. The EUT radio operates in the following bands:
  - a. 5150-5250MHz
  - b. 5250-5350MHz
  - c. 5470-5725MHz
  - d. 5725-5850MHz.
2. The EUT operates in Master mode and does not support bridge mode and MESH mode.
3. The maximum e.i.r.p of the 5GHz equipment is 20.21dBm and the minimum possible e.i.r.p is 10.61dBm for the UNII-2A and 2C frequency bands.
4. The channel loading data file will be transferred from the Master Device to the Client Device for all test configurations.
5. Information regarding the parameters of the detected Radar Waveforms is not available to the end user.
6. For the 5250-5350MHz and 5470-5725MHz bands, the Master device provides, on aggregate, uniform loading of the spectrum across all devices by selecting an operating channel among the available channels using a random algorithm.
7. The manufacturer is permitted to select the first channel either manually or randomly. The manufacturer may also block DFS channels from use.
8. The Master requires 106 seconds to complete its power-on cycle.



9.

## 2.3. Accessory Equipment Information

<b>Equipment Information</b>			
Name	Model	S/N	Manufacturer
Notebook	ThinkBook 14 G3ACL	/	/
Mobile Phone	A08G	/	/
<b>Cable Information</b>			
Name	Shielded Type	Ferrite Core	Length
LAN Cable	Unshielded	NO	150cm

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## 2.4. Operation State

Operation Frequency List:

Operating Band	20MHz Bandwidth		40MHz Bandwidth		80MHz Bandwidth		160MHz Bandwidth							
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)						
U-NII-1	36	5180	38	5190	42	5210	50	5250						
	40	5200		46										
	44	5220		5230										
	48	5240												
U-NII-2A	52	5260	54	5270	58	5290								
	56	5280		62										
	60	5300		5310										
	64	5320												
U-NII-2C	100	5500	102	5510	106	5530	114	5570						
	104	5520		110										
	108	5540		118	5590									
	112	5560												
	116	5580	126	5630	122	5610								
	120	5600												
	124	5620	134	5670										
	128	5640												
	132	5660	151	5755	155	5775								
	136	5680		159										
	140	5700												
U-NII-3	149	5745	151	5755	155	5775	/	/						
	153	5765		159										
	157	5785												
	161	5805	159	5795										
	165	5825												



## 2.5. Measurement Instruments List

RF Test System					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Spectrum Analyzer	R&S	FSV40-N	101331	Mar. 14, 2024
2	MXG Vector Signal Generator	Agilent	N5182A	MY47420864	Dec. 16, 2023
3	PSG Analog Signal Generator	Agilent	E8257D	MY46521908	Dec. 16, 2023
4	Test Software	Tonscend	JS1120-3	V2.6.88.0346	/
5	RF Control Unit	Tonscend	JS0806-2	/	Aug. 22, 2024

Note: 1. The Cal. Interval was one year.

2. The cable loss has been calculated in test result which connection between each test instruments.



### 3. Dynamic Frequency Selection

#### 3.1. Applicability of DFS Requirements

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

Requirement	Operational Mode		
	<input checked="" type="checkbox"/> Master	<input type="checkbox"/> Client Without Radar Detection	<input type="checkbox"/> 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

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	<input checked="" type="checkbox"/> Master Device or Client with Radar Detection	<input type="checkbox"/> Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	<input checked="" type="checkbox"/> Master Device or Client with Radar Detection	<input type="checkbox"/> 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 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.



### 3.2. Limits

#### 1. DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0dBi 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 662911 D01.

#### 2. DFS Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See 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 facilitating a Channel move (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 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.



### 3.3. Parameters of Radar Test Waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	Roundup $\left\lceil \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\rceil$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				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 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

For example if in Short Pulse Radar Type 1 Test B a PRI of 3066 μsec is selected, the number of pulses

$$\left\lceil \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{3066} \right) \right\rceil = \text{Round up } \{17.2\} = 18.$$

Table 5a - Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538



Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4. For example, the following table indicates how to compute the aggregate of percentage of successful detections.

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
1	35	29	82.9%
2	30	18	60%
3	30	27	90%
4	50	44	88%
$\text{Aggregate } (82.9\% + 60\% + 90\% + 88\%) / 4 = 80.2\%$			

Table 6 – Long Pulse Radar Test Waveform

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

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.



Table 7 – Frequency Hopping Radar Test Waveform

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

For the Frequency Hopping Radar Type, the same Burst parameters are used for each wave form. The hopping sequence is different for each wave form and a 100-length segment is selected from the hopping sequence defined by the following algorithm:

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250–5724MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.

### 3.4. Test Setup

#### SYSTTEMTEST CONFIGURATON

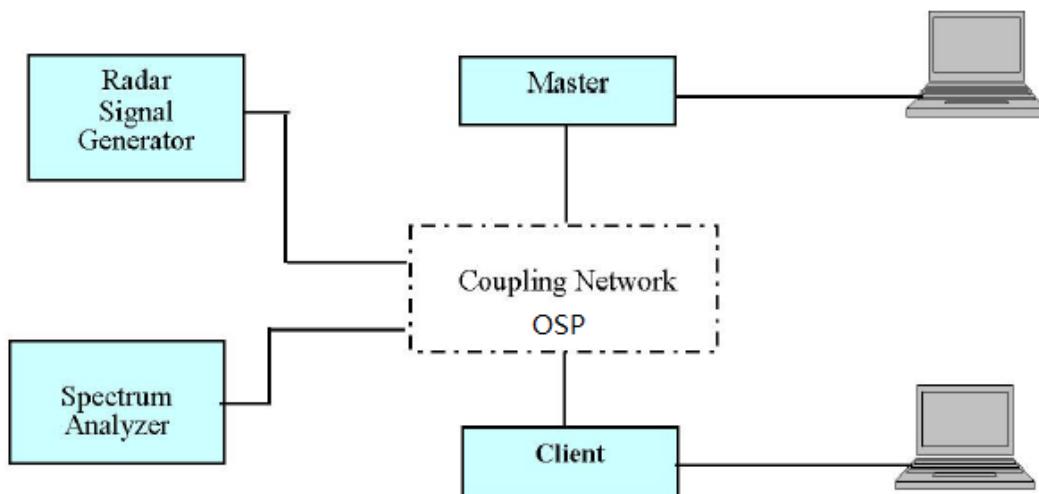
Description of Test Configuration:

The EUT was configured for testing in an engineering mode which was provided by the manufacturer. Stream the test file from the Master Device to the Client Device for IP based systems or frame based systems which dynamically allocate the talk/listen ratio.

Software to ping the client is used to simulate data transfer with a minimum channel loading of approximately 17% or greater. EUT Exercise Software

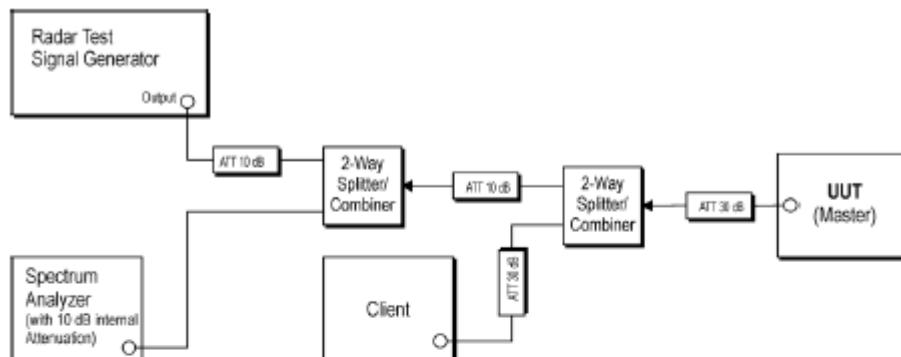
The test was performed under: DOS command, which was provided by the manufacturer.

#### System Block Diagram



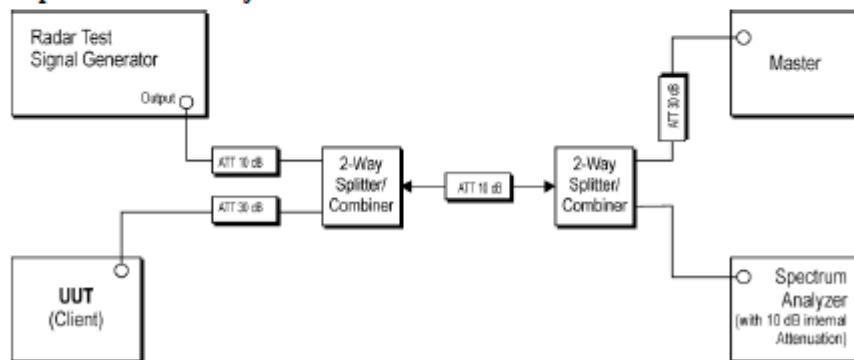
## Conducted Method

### 7.2.1 Setup for Master with injection at the Master



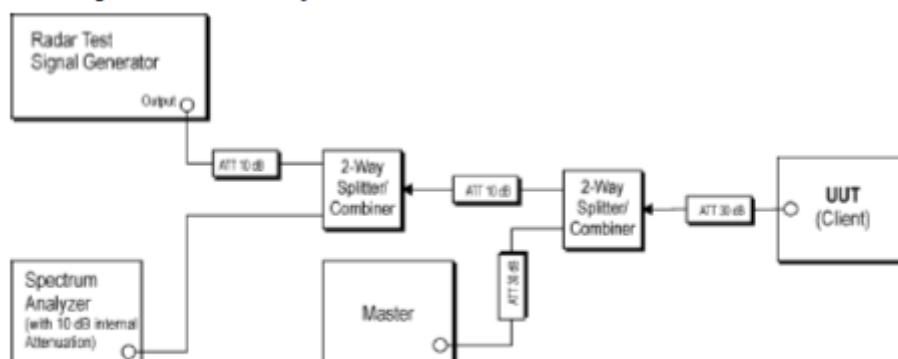
*Figure 2: Example Conducted Setup where UUT is a Master and Radar Test Waveforms are injected into the Master*

### 7.2.2 Setup for Client with injection at the Master



*Figure 3: Example Conducted Setup where UUT is a Client and Radar Test Waveforms are injected into the Master*

### 7.2.3 Setup for Client with injection at the Client



*Figure 4: Example Conducted Setup where UUT is a Client and Radar Test Waveforms are injected into the Client*



### 3.5. Test Procedure

Please refer to KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02 Clause 7.8.

#### 6.5.1 U-NII Detection Bandwidth

Set up the generating equipment as shown in Figure 8, or equivalent. Set up the DFS timing monitoring equipment as shown in Figure 13 or Figure 14. Set up the overall system for either radiated or conducted coupling to the UUT.

Adjust the equipment to produce a single Burst of any one of the Short Pulse Radar Types 0 – 4 in Table 5 at the center frequency of the UUT Operating Channel at the specified DFS Detection Threshold level found in Table 3.

Set the UUT up as a standalone device (no associated Client or Master, as appropriate) and no traffic. Frame based systems will be set to a talk/listen ratio reflecting the worst case (maximum) that is user configurable during this test.

Generate a single radar Burst, and note the response of the UUT. Repeat for a minimum of 10 trials. The UUT must detect the Radar Waveform within the DFS band using the specified U-NII Detection Bandwidth criterion shown in Table 4. In cases where the channel bandwidth may exceed past the DFS band edge on specific channels (i.e., 802.11ac or wideband frame based systems) select a channel that has the entire emission bandwidth within the DFS band. If this is not possible, test the detection BW to the DFS band edge.

Starting at the center frequency of the UUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 4. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as FH) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above FH is not required to demonstrate compliance.

Starting at the center frequency of the UUT operating Channel, decrease the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 4. Repeat this measurement in 1MHz steps at frequencies 5 MHz above where the detection rate begins to fall. Record the lowest frequency (denote as FL) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below FL is not required to demonstrate compliance.

The U-NII Detection Bandwidth is calculated as follows:

$$\text{U-NII Detection Bandwidth} = \text{FH} - \text{FL}$$

The U-NII Detection Bandwidth must meet the U-NII Detection Bandwidth criterion specified in Table 4. Otherwise, the UUT does not comply with DFS requirements. This is essential to ensure that the UUT is capable of detecting Radar Waveforms across the same frequency spectrum that contains the significant energy from the system. In the case that the U-NII Detection Bandwidth is greater than or equal to the 99 percent power bandwidth for the measured FH and FL, the test can be truncated and the U-NII Detection Bandwidth can be reported as the measured FH and FL.

#### 6.5.2 Performance Requirements Check

The following tests must be performed for U-NII device certification: Initial Channel Startup Check with a radar Burst at start of Channel Availability Check and with a radar Burst at end of Channel Availability Check; In-Service Monitoring; and the 30 minute Non-Occupancy Period.

##### 6.5.3.1 Initial Channel Availability Check Time

The Initial Channel Availability Check Time tests that the UUT 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. This test does not use any Radar Waveforms and only needs to be performed one time.

- a) The U-NII devices will be powered on and be instructed to operate on the appropriate U-NII Channel that must incorporate DFS functions. At the same time the UUT is powered on, the spectrum analyzer will be set to zero span mode with a 3 MHz RBW and 3 MHz VBW on the Channel occupied by the radar (Chr) with a 4 minute sweep time. The spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.
- b) The UUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.

- c) Confirm that the UUT initiates transmission on the channel

This measurement can be used to determine the length of the power-on cycle if it is not supplied by the manufacturer. If the spectrum analyzer sweep is started at the same time the UUT is powered on and the UUT does not begin transmissions until it has completed the cycle, the power-on time can be determined by comparing the two times.

#### 6.5.3.2 Radar Burst at the Beginning of the Channel Availability Check Time

The steps below define the procedure to verify successful radar detection on the test Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning of the Channel Availability Check Time. This is illustrated in Figure 15.

- a) The Radar Waveform generator and UUT are connected using the applicable test setup described in the sections on configuration for Conducted Tests (7.2) or Radiated Tests (7.3) and the power of the UUT is switched off.
- b) The UUT is powered on at T0. T1 denotes the instant when the UUT has completed its power-up sequence (Tpower\_up). The Channel Availability Check Time commences on Chr at instant T1 and will end no sooner than T1 + Tch\_avail\_check.
- c) A single Burst of one of the Short Pulse Radar Types 0-4 will commence within a 6 second window starting at T1. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- d) Visual indication or measured results on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for UUT emissions will continue for 2.5 minutes after the radar Burst has been generated.
- e) Verify that during the 2.5 minute measurement window no UUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.

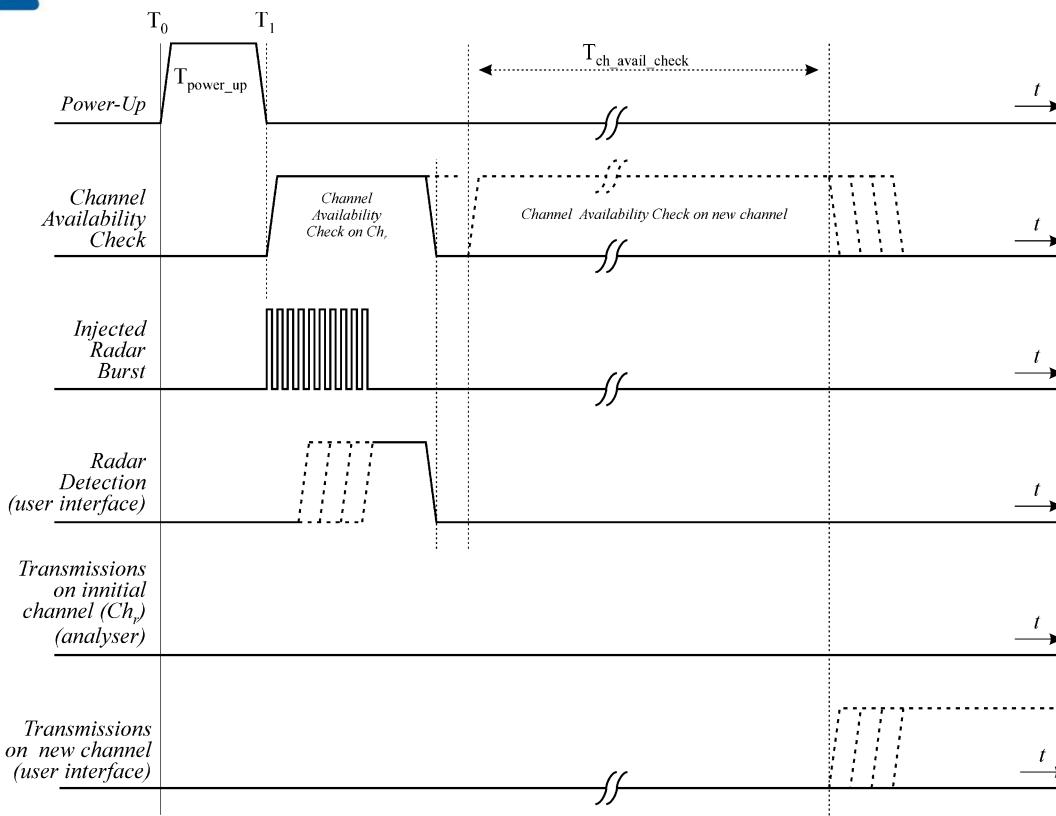


Figure 15: Example of timing for radar testing at the beginning of the Channel Availability Check Time

#### 6.5.3.3 Radar Burst at the End of the Channel Availability Check Time

The steps below define the procedure to verify successful radar detection on the test Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1dB occurs at the end of the Channel Availability Check Time. This is illustrated in Figure 16.

- The Radar Waveform generator and UUT are connected using the applicable test setup described in the sections for Conducted Tests (7.2) or Radiated Tests (7.3) and the power of the UUT is switched off.
- The UUT is powered on at T0. T1 denotes the instant when the UUT has completed its power-up sequence ( $T_{power\_up}$ ). The Channel Availability Check Time commences on Chr at instant T1 and will end no sooner than  $T1 + T_{ch\_avail\_check}$ .
- A single Burst of one of the Short Pulse Radar Types 0-4 will commence within a 6 second window starting at  $T1 + 54$  seconds. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- Visual indication or measured results on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for UUT emissions will continue for 2.5 minutes after the radar Burst has been generated.
- Verify that during the 2.5 minute measurement window no UUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.

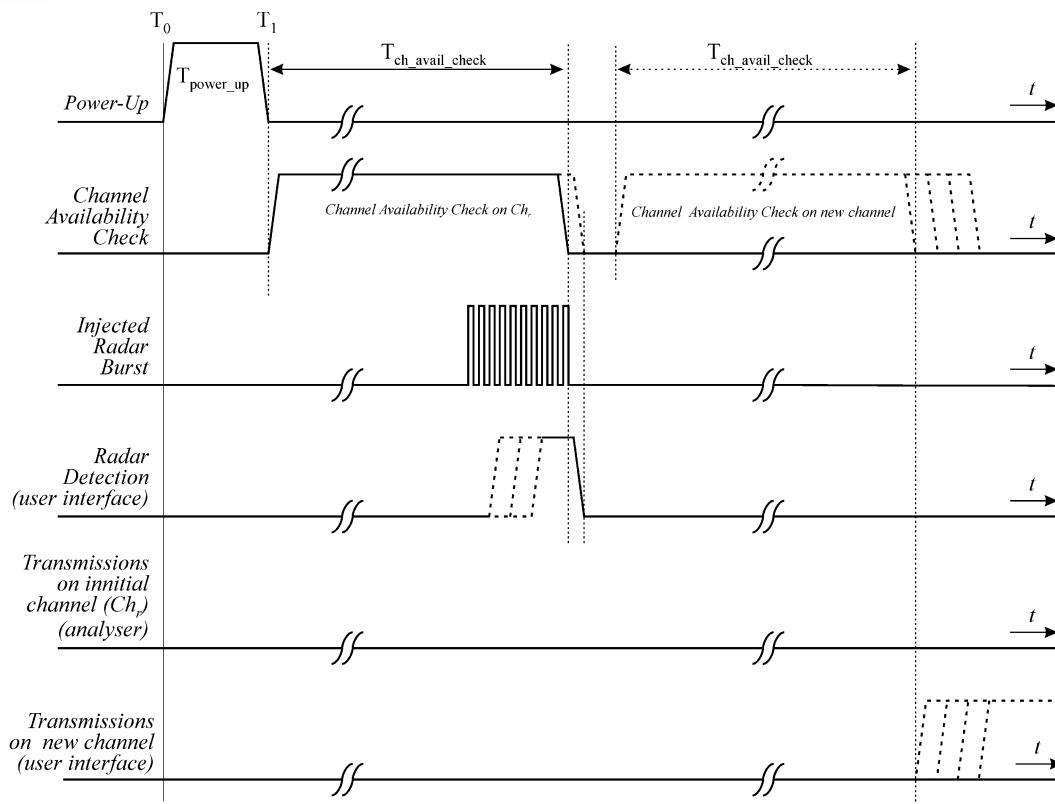


Figure 16: Example of timing for radar testing towards the end of the Channel Availability Check Time

#### 6.5.4 In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

These tests define how the following DFS parameters are verified during In-Service Monitoring;

- Channel Closing Transmission Time
- Channel Move Time
- Non-Occupancy Period

The steps below define the procedure to determine the above mentioned parameters when a radar Burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

- a) One frequency will be chosen from the Operating Channels of the UUT 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.
- b) In case the UUT is a U-NII device operating as a Client Device (with or without DFS), a U-NII device operating as a Master Device will be used to allow the UUT (Client device) to Associate with the Master Device. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will Associate with the UUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
- c) Stream the channel loading test file from the Master Device to the Client Device on the test Channel for the entire period of the test.
- d) At time T0 the Radar Waveform generator sends a Burst of pulses for one of the Radar Type 0 in Table 5 at levels defined in Table 3, on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- e) Observe the transmissions of the UUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the

- observation time (Channel Move Time). Measure and record the Channel Move Time and Channel Closing Transmission Time if radar detection occurs. Figure 17 illustrates Channel Closing Transmission Time.
- f) When operating as a Master Device, monitor the UUT for more than 30 minutes following instant T2 to verify that the UUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.
- g) In case the UUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).

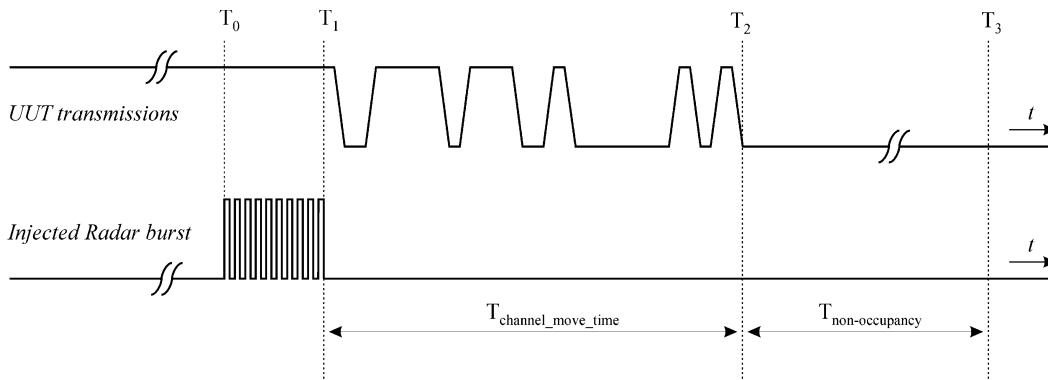


Figure 17: Example of Channel Closing Transmission Time & Channel Closing Time

#### 6.5.5 Statistical Performance Check

The steps below define the procedure to determine the minimum percentage of successful detection requirements found in Tables 5-7 when a radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

- One frequency will be chosen from the Operating Channels of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands.
- In case the UUT is a U-NII device operating as a Client Device (with or without Radar Detection), a U-NII device operating as a Master Device will be used to allow the UUT (Client device) to Associate with the Master Device. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will Associate with the UUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
- Stream the channel loading test file from the Master Device to the Client Device on the test Channel for the entire period of the test.
- At time T0 the Radar Waveform generator sends the individual waveform for each of the Radar Types 1-6 in Tables 5-7, at levels defined in Table 3, on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Radar Type 0 to ensure detection occurs.
- Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.
- In case the UUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).

#### 7.8.4.1 Short Pulse Radar Test

Once the performance requirements check is complete, statistical data will be gathered, to determine the ability of the device to detect the radar test waveforms (Short Pulse Radar Types 1-4) found in Table 5. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trials. The percentage of successful detection is calculated by:

$$\frac{\text{TotalWaveformDetections}}{\text{TotalWaveformTrials}} \times 100 = \text{Percentage of Successful Detection Radar Waveform N} = P_dN$$

In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows:

$$\frac{P_d1 + P_d2 + P_d3 + P_d4}{4}$$

The minimum number of trials, minimum percentage of successful detection and the aggregate minimum percentage of successful detection are found in Table 5.

#### 7.8.4.2 Long Pulse Radar Test

Statistical data will be gathered to determine the ability of the device to detect the Long Pulse Radar Type 5 found in Table 6. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trials.

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency:

- a) the Channel center frequency (Figure 18);
- b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth (Figure 19); and
- c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth (Figure 20).

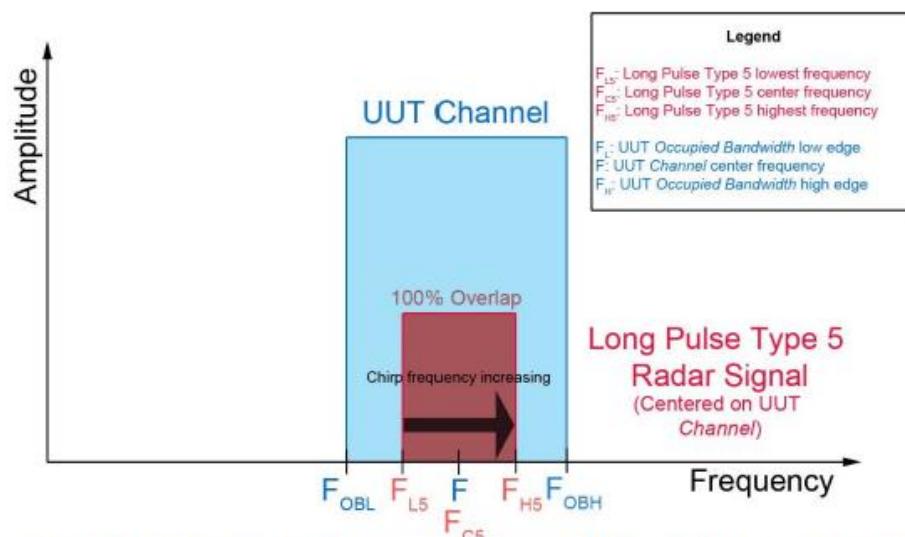


Figure 18: Example of the Relationship Between Long Pulse Type 5 Signal and the U-NII channel when the Signal is Tuned to the UUT Channel Center Frequency

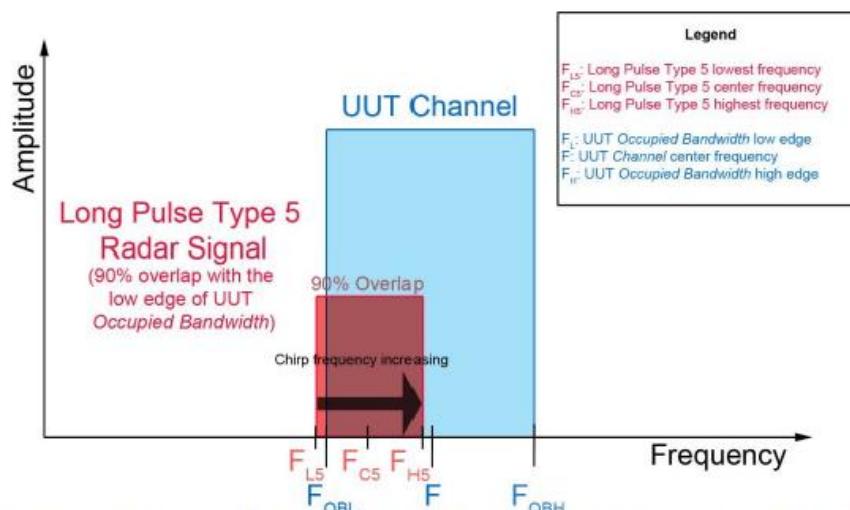


Figure 19: Example of the Relationship Between Long Pulse Type 5 Signal and the U-NII channel when the Signal is Tuned so that 90% of the Radar Signal Overlaps with the Low Edge of the UUT Occupied Bandwidth

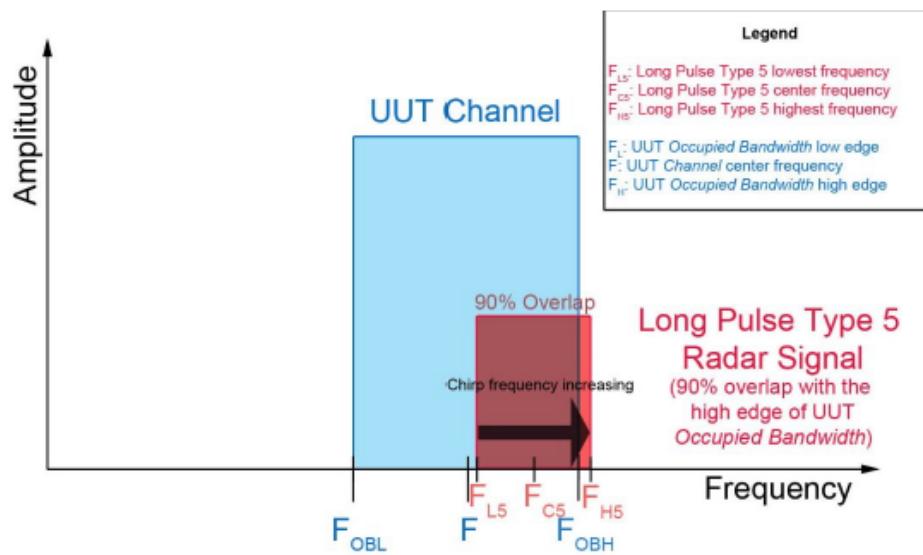


Figure 20: Example of the Relationship Between Long Pulse Type 5 Signal and the U-NII channel when the Signal is Tuned so that 90% of the Radar Signal Overlaps with the High Edge of the UUT Occupied Bandwidth

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:

$$FL + (0.4 * \text{Chirp Width} [\text{in MHz}])$$

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:

$$FH - (0.4 * \text{Chirp Width} [\text{in MHz}])$$

The percentage of successful detection is calculated by dividing the sum of the detections for the three subsets by the sum of trials for the three subsets:

$$\frac{\text{Total Waveform Detections}}{\text{Total Waveform Trials}} \times 100$$



#### 7.8.4.3 Frequency Hopping Radar Test

Statistical data will be gathered to determine the ability of the device to detect the Frequency Hopping radar test signal (radar type 6) found in Table 7. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs. The probability of successful detection is calculated by:

$$\frac{\text{TotalWaveformDetections}}{\text{TotalWaveformTrials}} \times 100$$



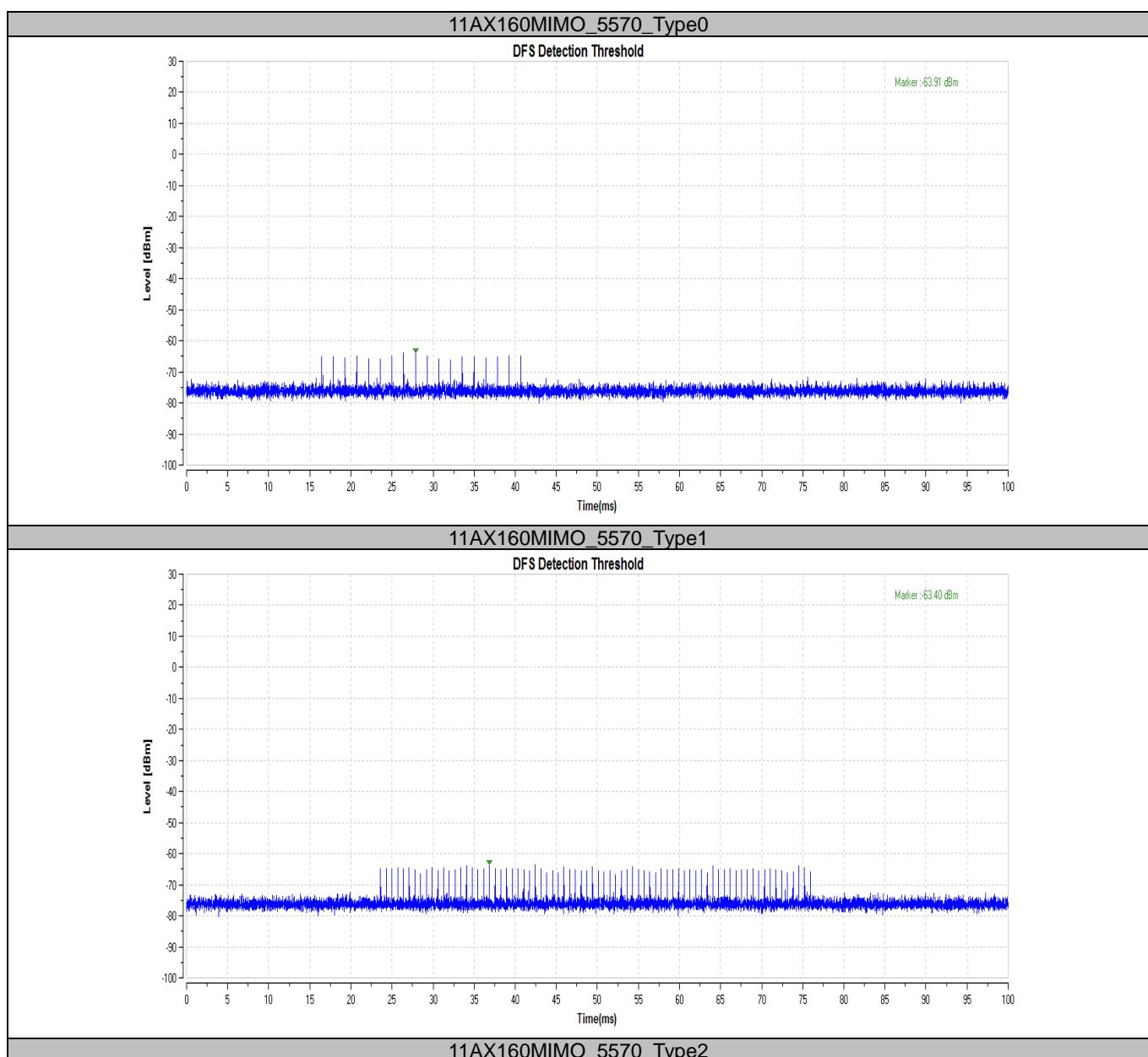
## 3.6. Test Result

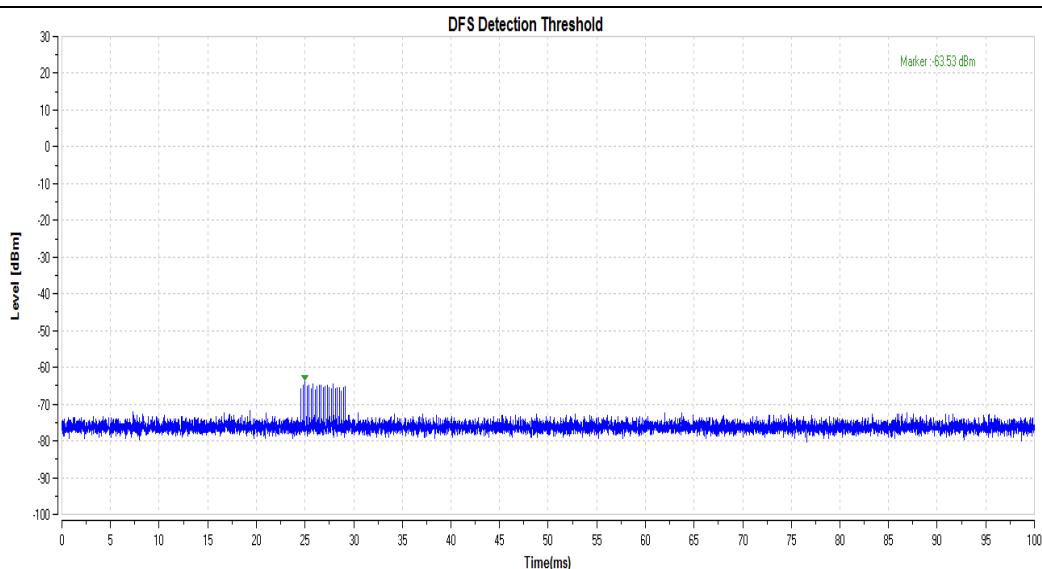
### 3.6.1 DFS Detection Threshold

The maximum conducted output power of EUT is 20.21dBm, the antenna gain is 3.88dBi, and the maximum EIRP=20.21+3.88=24.09dBm. Therefore, the required interference threshold level is -64dBm, and the required radiated threshold at antenna port is -64dBm. The calibrated radiated DFS detection threshold level is set to -64dBm, threshold level = -64dBm + antenna gain = -60.12dBm.

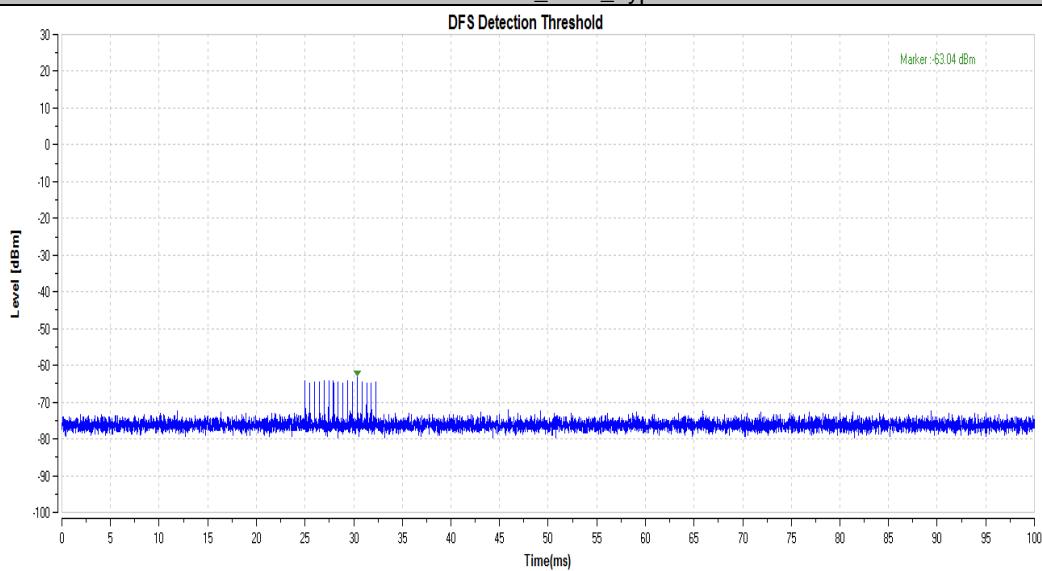
DFS Threshold Level		
DFS Threshold Level Value	Limit	Verdict
-61.43dBm	≤ -60.12dBm	Pass

Note: Maximum EIRP of EUT is >200 mW.

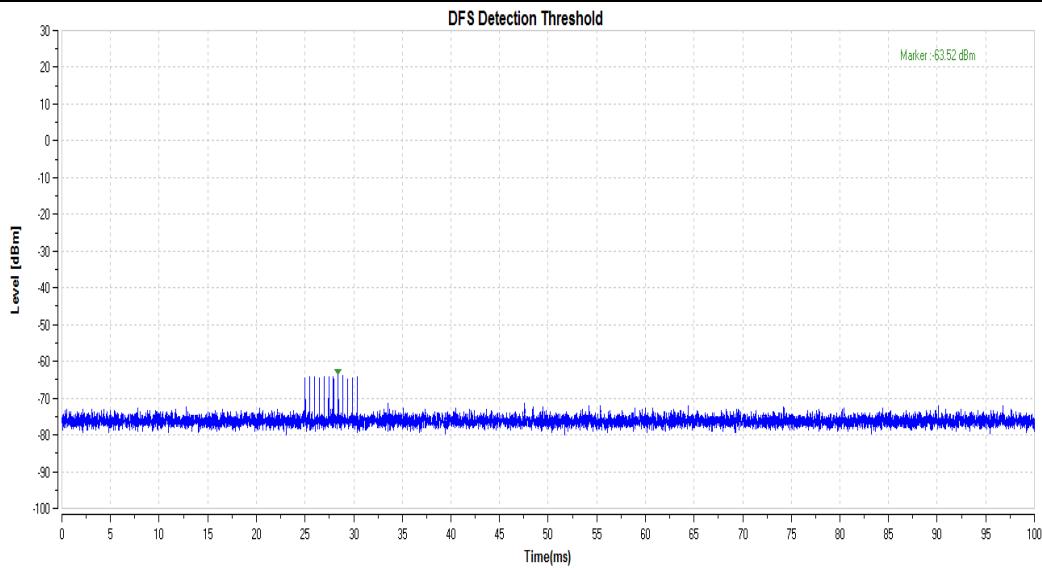




11AX160MIMO\_5570\_Type3



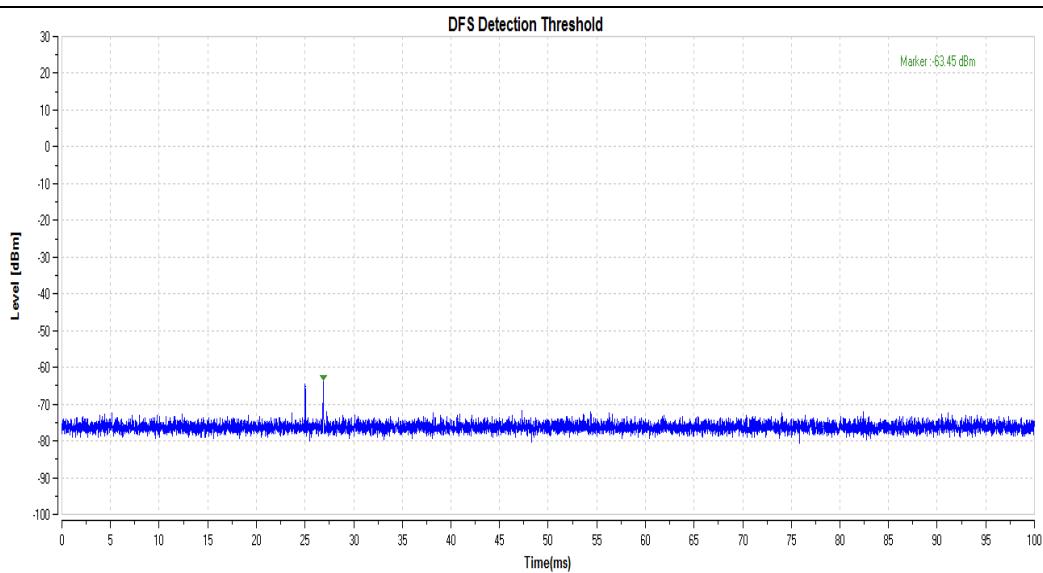
11AX160MIMO\_5570\_Type4



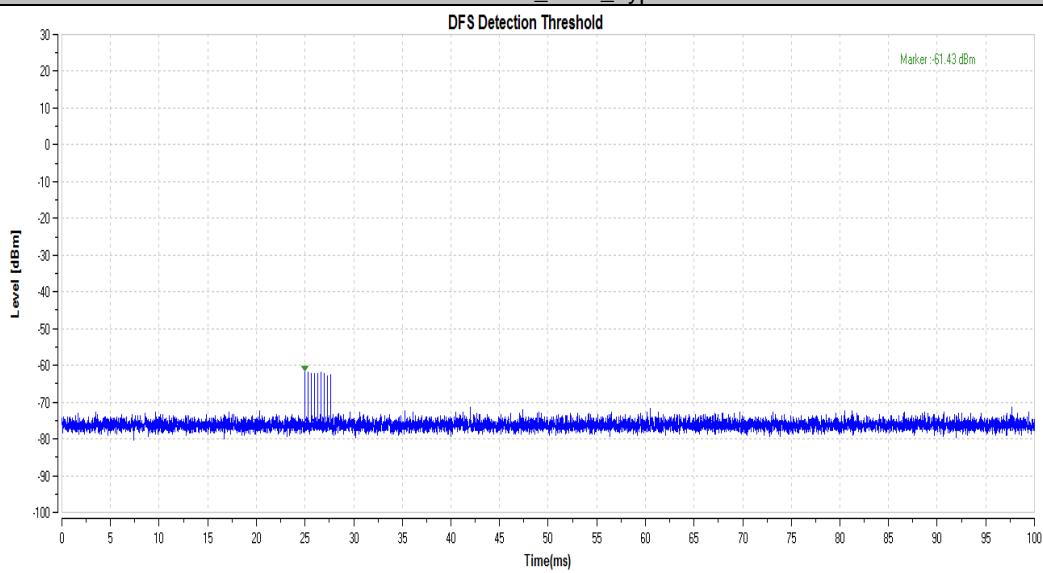
11AX160MIMO\_5570\_Type5

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11AX160MIMO\_5570\_Type6



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### 3.6.2 DFS U-NII Detection Bandwidth

TestMode	Frequency[MHz]	FL[MHz]	FH[MHz]	Detection Bandwidth [MHz]	OCB [MHz]	Ratio [%]	Limit [%]	Verdict
11AX20MIMO	5500	5489	5511	22	19.114	115.10	≥100	PASS
11AX40MIMO	5510	5488	5532	44	37.656	116.85	≥100	PASS
11AX80MIMO	5530	5481	5575	94	77.071	121.97	≥100	PASS
11AX160MIMO	5570	5461	5671	210	154.769	135.69	≥100	PASS

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Test Mode	Frequency[MHz]	Radar Freq.	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Trial 6	Trial 7	Trial 8	Trial 9	Trial 10	Ratio (%)
11AX20MIMO	5500	5485	0	0	0	0	0	0	0	0	0	0	0
		5486	1	0	0	0	0	0	0	0	0	0	10
		5487	1	0	0	0	0	0	0	0	0	0	10
		5488	0	0	0	0	0	0	0	0	0	0	0
		5489	1	1	1	1	1	1	1	1	1	1	100
		5490	1	1	1	1	1	1	1	1	1	1	100
		5495	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	100
		5505	1	1	1	1	1	1	1	1	1	1	100
		5510	1	1	1	1	1	1	1	1	1	1	100
		5511	1	1	1	1	1	1	1	1	1	1	100
		5512	1	0	1	0	0	1	0	1	1	1	60
		5513	0	0	0	0	0	0	0	0	0	0	0
		5514	0	0	0	0	0	0	0	0	0	0	0
		5515	0	0	0	0	0	0	0	0	0	0	0
11AX40MIMO	5510	5485	0	0	0	0	0	0	0	0	0	0	0
		5486	0	0	0	0	0	0	0	0	0	0	0
		5487	0	0	0	0	0	0	0	0	0	0	0
		5488	1	1	1	1	1	1	1	1	1	1	100
		5489	1	1	1	1	1	1	1	1	1	1	100
		5490	1	1	1	1	1	1	1	1	1	1	100
		5495	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	100
		5505	1	1	1	1	1	1	1	1	1	1	100
		5510	1	1	1	1	1	1	1	1	1	1	100
		5515	1	1	1	1	1	1	1	1	1	1	100
		5520	1	1	1	1	1	1	1	1	1	1	100
		5525	1	1	1	1	1	1	1	1	1	1	100
		5530	1	1	1	1	1	1	1	1	1	1	100
		5531	1	1	1	1	1	1	1	1	1	1	100
		5532	1	1	1	1	1	1	1	1	1	1	100
		5533	0	0	0	0	0	0	0	0	0	0	0
		5534	0	0	0	0	0	0	0	0	0	0	0
		5535	0	0	0	0	0	0	0	0	0	0	0
11AX80MIMO	5530	5480	1	1	1	1	1	0	0	0	0	0	50
		5481	1	1	1	1	1	1	1	1	1	1	100
		5482	1	1	1	1	1	1	1	1	1	1	100
		5483	1	1	1	1	1	1	1	1	1	1	100
		5484	1	1	1	1	1	1	1	1	1	1	100
		5485	1	1	1	1	1	1	1	1	1	1	100
		5490	1	1	1	1	1	1	1	1	1	1	100
		5495	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	100
		5505	1	1	1	1	1	1	1	1	1	1	100
		5510	1	1	1	1	1	1	1	1	1	1	100
		5515	1	1	1	1	1	1	1	1	1	1	100
		5520	1	1	1	1	1	1	1	1	1	1	100
		5525	1	1	1	1	1	1	1	1	1	1	100
		5530	1	1	1	1	1	1	1	1	1	1	100
		5535	1	1	1	1	1	1	1	1	1	1	100
		5540	1	1	1	1	1	1	1	1	1	1	100
		5545	1	1	1	1	1	1	1	1	1	1	100
		5550	1	1	1	1	1	1	1	1	1	1	100
		5555	1	1	1	1	1	1	1	1	1	1	100
		5560	1	1	1	1	1	1	1	1	1	1	100
		5565	1	1	1	1	1	1	1	1	1	1	100
		5570	1	1	1	1	1	1	1	1	1	1	100
		5575	1	1	1	1	1	1	1	1	1	1	100
		5576	0	0	0	0	0	0	0	0	0	0	0

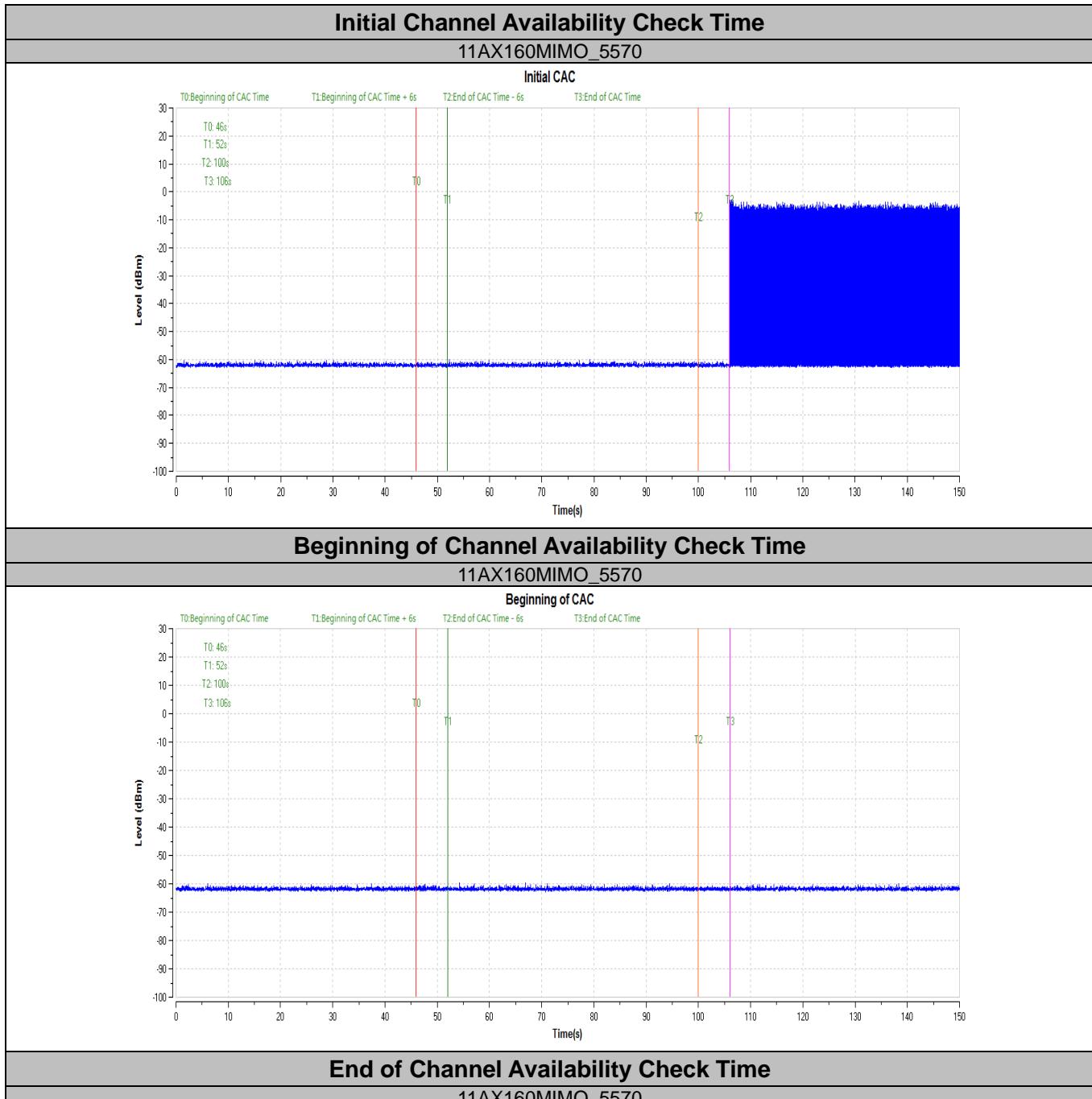


11AX160MIMO	5570	5460	1	0	0	0	0	0	0	0	0	0	0	10
		5461	1	1	1	1	1	1	1	1	1	1	1	100
		5462	1	1	1	1	1	1	1	1	1	1	1	100
		5463	1	1	1	1	1	1	1	1	1	1	1	100
		5464	1	1	1	1	1	1	1	1	1	1	1	100
		5465	1	1	1	1	1	1	1	1	1	1	1	100
		5470	1	1	1	1	1	1	1	1	1	1	1	100
		5475	1	1	1	1	1	1	1	1	1	1	1	100
		5480	1	1	1	1	1	1	1	1	1	1	1	100
		5485	1	1	1	1	1	1	1	1	1	1	1	100
		5490	1	1	1	1	1	1	1	1	1	1	1	100
		5495	1	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	1	100
		5505	1	1	1	1	1	1	1	1	1	1	1	100
		5510	1	1	1	1	1	1	1	1	1	1	1	100
		5515	1	1	1	1	1	1	1	1	1	1	1	100
		5520	1	1	1	1	1	1	1	1	1	1	1	100
		5525	1	1	1	1	1	1	1	1	1	1	1	100
		5530	1	1	1	1	1	1	1	1	1	1	1	100
		5535	1	1	1	1	1	1	1	1	1	1	1	100
		5540	1	1	1	1	1	1	1	1	1	1	1	100
		5545	1	1	1	1	1	1	1	1	1	1	1	100
		5550	1	1	1	1	1	1	1	1	1	1	1	100
		5555	1	1	1	1	1	1	1	1	1	1	1	100
		5560	1	1	1	1	1	1	1	1	1	1	1	100
		5565	1	1	1	1	1	1	1	1	1	1	1	100
		5570	1	1	1	1	1	1	1	1	1	1	1	100
		5575	1	1	1	1	1	1	1	1	1	1	1	100
		5580	1	1	1	1	1	1	1	1	1	1	1	100
		5585	1	1	1	1	1	1	1	1	1	1	1	100
		5590	1	1	1	1	1	1	1	1	1	1	1	100
		5595	1	1	1	1	1	1	1	1	1	1	1	100
		5600	1	1	1	1	1	1	1	1	1	1	1	100
		5605	1	1	1	1	1	1	1	1	1	1	1	100
		5610	1	1	1	1	1	1	1	1	1	1	1	100
		5615	1	1	1	1	1	1	1	1	1	1	1	100
		5620	1	1	1	1	1	1	1	1	1	1	1	100
		5625	1	1	1	1	1	1	1	1	1	1	1	100
		5630	1	1	1	1	1	1	1	1	1	1	1	100
		5635	1	1	1	1	1	1	1	1	1	1	1	100
		5640	1	1	1	1	1	1	1	1	1	1	1	100
		5645	1	1	1	1	1	1	1	1	1	1	1	100
		5650	1	1	1	1	1	1	1	1	1	1	1	100
		5655	1	1	1	1	1	1	1	1	1	1	1	100
		5660	1	1	1	1	1	1	1	1	1	1	1	100
		5665	1	1	1	1	1	1	1	1	1	1	1	100
		5670	1	1	1	1	1	1	1	1	1	1	1	100
		5671	1	1	1	1	1	1	1	1	1	1	1	100
		5672	1	1	0	0	0	0	0	0	0	0	0	20



### 3.6.3 DFS Channel Availability Check

DFS Channel Availability Check (5570 MHz; 160 MHz)



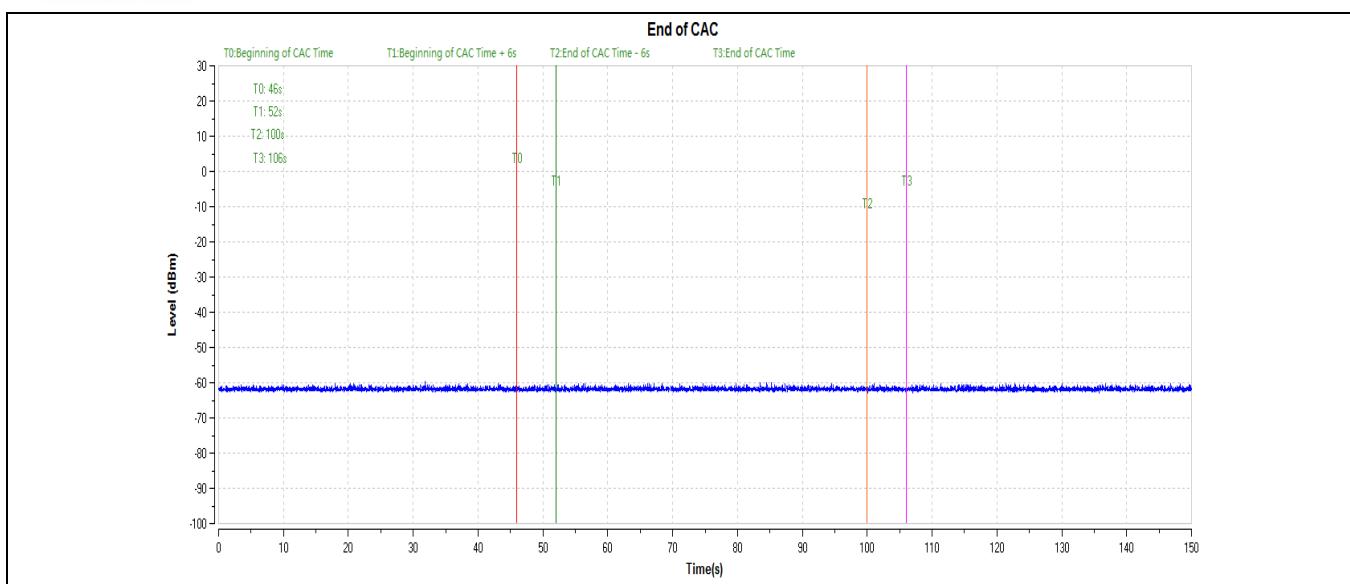
CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059

Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)



For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : <http://yz.cnca.cn>



CAC Time: 60s

CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : <http://yz.cnca.cn>



### 3.6.4 DFS In-Service Monitoring

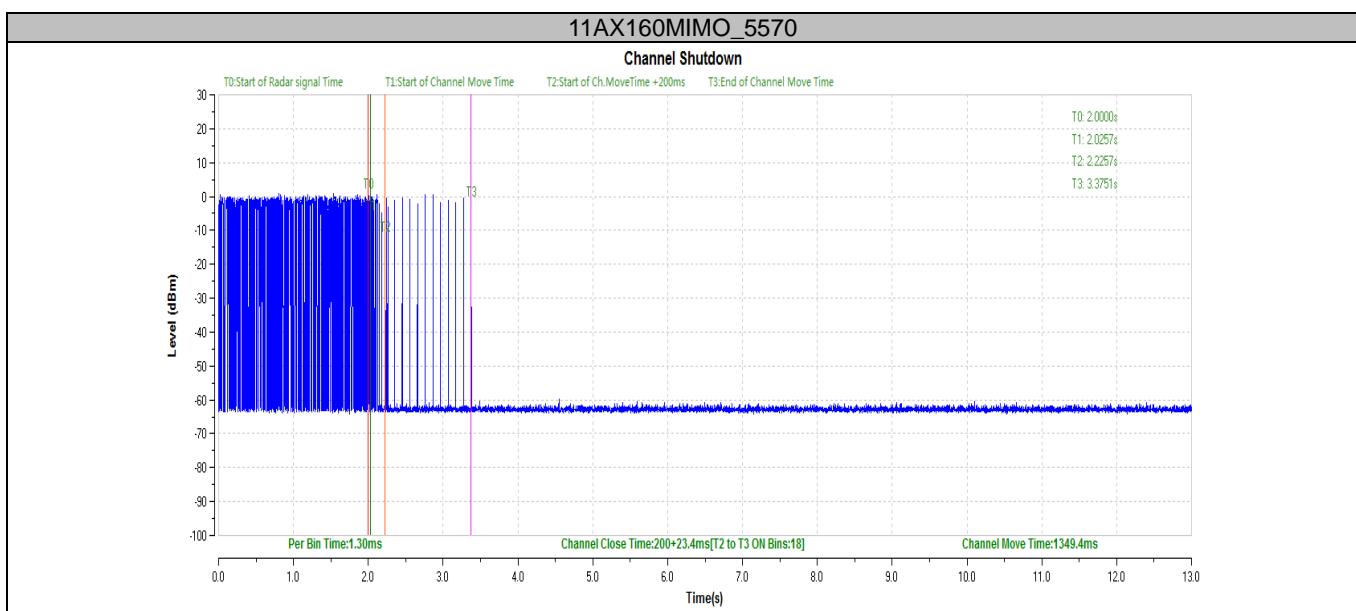
DFS Channel Availability Check (5570 MHz; 160 MHz)

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AX160MIMO	5570	200+23.4	200+60	1349.4	10000	PASS

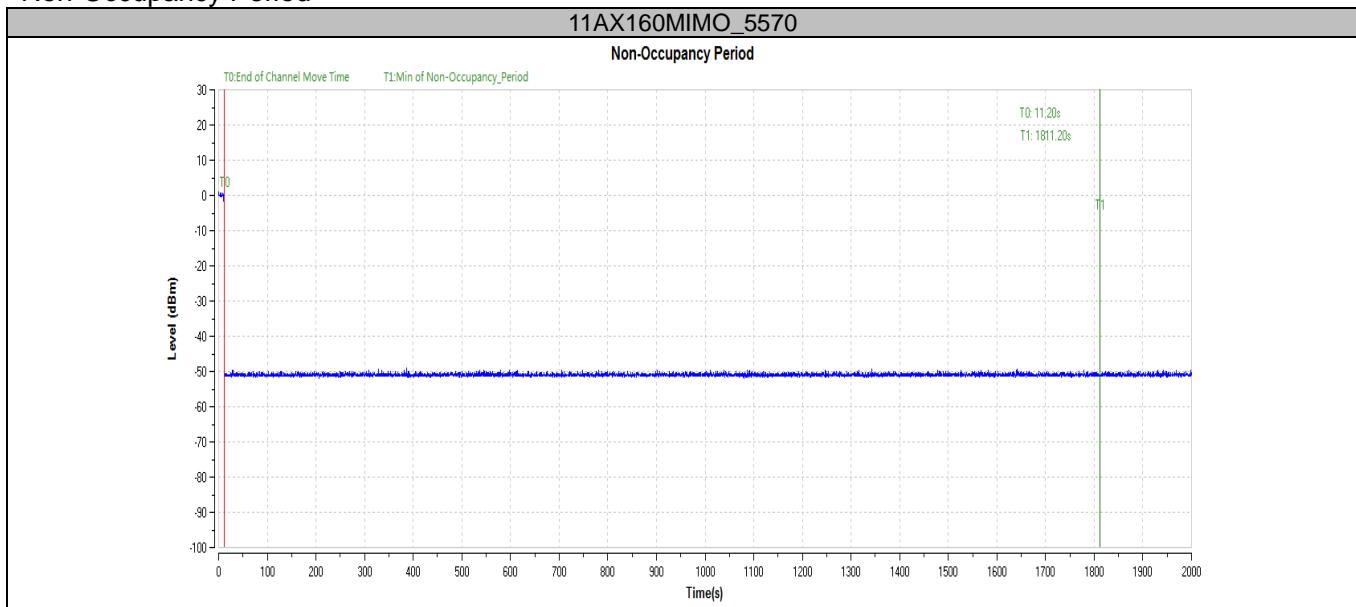
Test Mode	Frequency (MHz)	Result	Limit (s)	Verdict
11AX160MIMO	5570	See test graph	≥1800	Pass

CMT: Channel Move Time

CCT: Channel Closing Transmission Time



Non-Occupancy Period





### 3.6.5 DFS Statistical Performance Check

Note: That the frequency of the injected signal is varied across the signal 99% bandwidth from trial to trial.

TestMode	Frequency[MHz]	Radar Type	Pass Times	Fail Times	Probability (%)	Limit (%)	Verdict
11AX20MIMO	5500	Type1	27	3	90.00	60	PASS
		Type2	26	4	86.67	60	PASS
		Type3	25	5	83.33	60	PASS
		Type4	22	8	73.33	60	PASS
		Type 1-4	---	---	83.33	80	PASS
		Type5	27	3	90.00	70	PASS
		Type6	30	0	100.00	80	PASS
11AX40MIMO	5510	Type1	30	0	100.00	60	PASS
		Type2	26	4	86.67	60	PASS
		Type3	25	5	83.33	60	PASS
		Type4	23	7	76.67	60	PASS
		Type 1-4	---	---	86.67	80	PASS
		Type5	30	0	100.00	80	PASS
		Type6	30	0	100.00	70	PASS
11AX80MIMO	5530	Type1	29	1	96.67	60	PASS
		Type2	26	4	86.67	60	PASS
		Type3	24	6	80.00	60	PASS
		Type4	20	10	66.67	60	PASS
		Type 1-4	---	---	82.50	80	PASS
		Type5	28	2	93.33	80	PASS
		Type6	30	0	100.00	70	PASS
11AX160MIMO	5570	Type1	27	3	90.00	60	PASS
		Type2	25	5	83.33	60	PASS
		Type3	25	5	83.33	60	PASS
		Type4	21	9	70.00	60	PASS
		Type 1-4	---	---	81.67	80	PASS
		Type5	28	2	93.33	80	PASS
		Type6	30	0	100.00	70	PASS



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX20MIMO	5500	Type1	0	1.0	938.0	57	1
		Type1	1	1.0	698.0	76	1
		Type1	2	1.0	618.0	86	1
		Type1	3	1.0	538.0	99	1
		Type1	4	1.0	878.0	61	1
		Type1	5	1.0	3066.0	18	0
		Type1	6	1.0	638.0	83	1
		Type1	7	1.0	918.0	58	1
		Type1	8	1.0	838.0	63	1
		Type1	9	1.0	858.0	62	1
		Type1	10	1.0	798.0	67	1
		Type1	11	1.0	718.0	74	1
		Type1	12	1.0	578.0	92	1
		Type1	13	1.0	598.0	89	1
		Type1	14	1.0	558.0	95	1
		Type1	15	1.0	2536.0	21	1
		Type1	16	1.0	966.0	55	1
		Type1	17	1.0	827.0	64	0
		Type1	18	1.0	2501.0	22	1
		Type1	19	1.0	2595.0	21	1
		Type1	20	1.0	1114.0	48	1
		Type1	21	1.0	1302.0	41	1
		Type1	22	1.0	3045.0	18	0
		Type1	23	1.0	1624.0	33	1
		Type1	24	1.0	2878.0	19	1
		Type1	25	1.0	1027.0	52	1
		Type1	26	1.0	2485.0	22	1
		Type1	27	1.0	1600.0	33	1
		Type1	28	1.0	1172.0	46	1
		Type1	29	1.0	1177.0	45	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX20MIMO	5500	Type2	0	3.2	179.0	26	1
		Type2	1	1.1	207.0	23	1
		Type2	2	2.1	230.0	24	1
		Type2	3	4.8	200.0	29	1
		Type2	4	3.9	214.0	28	1
		Type2	5	2.9	222.0	26	1
		Type2	6	3.2	204.0	26	1
		Type2	7	2.5	192.0	25	1
		Type2	8	3.1	164.0	26	1
		Type2	9	1.2	156.0	23	0
		Type2	10	3.9	210.0	27	1
		Type2	11	4.6	201.0	29	1
		Type2	12	3.2	162.0	26	1
		Type2	13	2.2	197.0	25	1
		Type2	14	4.5	163.0	29	1
		Type2	15	3.0	203.0	26	1
		Type2	16	5.0	168.0	29	1
		Type2	17	2.4	217.0	25	0
		Type2	18	2.9	191.0	26	1
		Type2	19	2.3	166.0	25	1
		Type2	20	3.7	150.0	27	1
		Type2	21	2.2	176.0	25	0
		Type2	22	4.9	195.0	29	1
		Type2	23	2.9	202.0	26	1
		Type2	24	2.5	178.0	25	1
		Type2	25	1.1	206.0	23	0
		Type2	26	3.8	155.0	27	1
		Type2	27	4.7	157.0	29	1
		Type2	28	2.4	224.0	25	1
		Type2	29	4.2	159.0	28	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX20MIMO	5500	Type3	0	8.2	355.0	17	0
		Type3	1	6.1	487.0	16	1
		Type3	2	7.1	344.0	16	0
		Type3	3	9.8	288.0	18	1
		Type3	4	8.9	230.0	18	1
		Type3	5	7.9	432.0	17	1
		Type3	6	8.2	207.0	17	1
		Type3	7	7.5	443.0	17	1
		Type3	8	8.1	439.0	17	1
		Type3	9	6.2	223.0	16	0
		Type3	10	8.9	208.0	18	1
		Type3	11	9.6	463.0	18	1
		Type3	12	8.2	441.0	17	0
		Type3	13	7.2	323.0	16	1
		Type3	14	9.5	297.0	18	1
		Type3	15	8.0	412.0	17	1
		Type3	16	10.0	324.0	18	1
		Type3	17	7.4	271.0	17	1
		Type3	18	7.9	349.0	17	1
		Type3	19	7.3	409.0	16	1
		Type3	20	8.7	373.0	18	1
		Type3	21	7.2	254.0	16	1
		Type3	22	9.9	274.0	18	1
		Type3	23	7.9	278.0	17	1
		Type3	24	7.5	317.0	17	1
		Type3	25	6.1	260.0	16	1
		Type3	26	8.8	211.0	18	1
		Type3	27	9.7	272.0	18	1
		Type3	28	7.4	264.0	17	0
		Type3	29	9.2	284.0	18	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX20MIMO	5500	Type4	0	16.0	355.0	14	1
		Type4	1	11.3	487.0	12	1
		Type4	2	13.5	344.0	13	1
		Type4	3	19.4	288.0	16	1
		Type4	4	17.5	230.0	15	1
		Type4	5	15.3	432.0	14	0
		Type4	6	15.9	207.0	14	1
		Type4	7	14.3	443.0	13	1
		Type4	8	15.8	439.0	14	1
		Type4	9	11.5	223.0	12	1
		Type4	10	17.4	208.0	15	1
		Type4	11	19.0	463.0	16	0
		Type4	12	16.0	441.0	14	1
		Type4	13	13.8	323.0	13	1
		Type4	14	18.9	297.0	16	0
		Type4	15	15.5	412.0	14	0
		Type4	16	19.9	324.0	16	1
		Type4	17	14.1	271.0	13	0
		Type4	18	15.2	349.0	14	0
		Type4	19	13.8	409.0	13	1
		Type4	20	17.1	373.0	15	1
		Type4	21	13.8	254.0	13	1
		Type4	22	19.8	274.0	16	1
		Type4	23	15.3	278.0	14	1
		Type4	24	14.5	317.0	13	0
		Type4	25	11.3	260.0	12	1
		Type4	26	17.3	211.0	15	0
		Type4	27	19.2	272.0	16	1
		Type4	28	14.2	264.0	13	1
		Type4	29	18.2	284.0	15	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX40MIMO	5510	Type1	0	1.0	938.0	57	1
		Type1	1	1.0	698.0	76	1
		Type1	2	1.0	618.0	86	1
		Type1	3	1.0	538.0	99	1
		Type1	4	1.0	878.0	61	1
		Type1	5	1.0	3066.0	18	1
		Type1	6	1.0	638.0	83	1
		Type1	7	1.0	918.0	58	1
		Type1	8	1.0	838.0	63	1
		Type1	9	1.0	858.0	62	1
		Type1	10	1.0	798.0	67	1
		Type1	11	1.0	718.0	74	1
		Type1	12	1.0	578.0	92	1
		Type1	13	1.0	598.0	89	1
		Type1	14	1.0	558.0	95	1
		Type1	15	1.0	2536.0	21	1
		Type1	16	1.0	966.0	55	1
		Type1	17	1.0	827.0	64	1
		Type1	18	1.0	2501.0	22	1
		Type1	19	1.0	2595.0	21	1
		Type1	20	1.0	1114.0	48	1
		Type1	21	1.0	1302.0	41	1
		Type1	22	1.0	3045.0	18	1
		Type1	23	1.0	1624.0	33	1
		Type1	24	1.0	2878.0	19	1
		Type1	25	1.0	1027.0	52	1
		Type1	26	1.0	2485.0	22	1
		Type1	27	1.0	1600.0	33	1
		Type1	28	1.0	1172.0	46	1
		Type1	29	1.0	1177.0	45	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX40MIMO	5510	Type2	0	3.2	179.0	26	1
		Type2	1	1.1	207.0	23	1
		Type2	2	2.1	230.0	24	1
		Type2	3	4.8	200.0	29	0
		Type2	4	3.9	214.0	28	1
		Type2	5	2.9	222.0	26	1
		Type2	6	3.2	204.0	26	1
		Type2	7	2.5	192.0	25	1
		Type2	8	3.1	164.0	26	1
		Type2	9	1.2	156.0	23	1
		Type2	10	3.9	210.0	27	0
		Type2	11	4.6	201.0	29	1
		Type2	12	3.2	162.0	26	1
		Type2	13	2.2	197.0	25	1
		Type2	14	4.5	163.0	29	1
		Type2	15	3.0	203.0	26	1
		Type2	16	5.0	168.0	29	1
		Type2	17	2.4	217.0	25	1
		Type2	18	2.9	191.0	26	1
		Type2	19	2.3	166.0	25	1
		Type2	20	3.7	150.0	27	1
		Type2	21	2.2	176.0	25	1
		Type2	22	4.9	195.0	29	1
		Type2	23	2.9	202.0	26	1
		Type2	24	2.5	178.0	25	1
		Type2	25	1.1	206.0	23	0
		Type2	26	3.8	155.0	27	1
		Type2	27	4.7	157.0	29	1
		Type2	28	2.4	224.0	25	1
		Type2	29	4.2	159.0	28	0



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX40MIMO	5510	Type3	0	8.2	355.0	17	1
		Type3	1	6.1	487.0	16	1
		Type3	2	7.1	344.0	16	1
		Type3	3	9.8	288.0	18	1
		Type3	4	8.9	230.0	18	1
		Type3	5	7.9	432.0	17	0
		Type3	6	8.2	207.0	17	1
		Type3	7	7.5	443.0	17	1
		Type3	8	8.1	439.0	17	1
		Type3	9	6.2	223.0	16	1
		Type3	10	8.9	208.0	18	1
		Type3	11	9.6	463.0	18	1
		Type3	12	8.2	441.0	17	0
		Type3	13	7.2	323.0	16	1
		Type3	14	9.5	297.0	18	1
		Type3	15	8.0	412.0	17	1
		Type3	16	10.0	324.0	18	1
		Type3	17	7.4	271.0	17	1
		Type3	18	7.9	349.0	17	1
		Type3	19	7.3	409.0	16	0
		Type3	20	8.7	373.0	18	1
		Type3	21	7.2	254.0	16	1
		Type3	22	9.9	274.0	18	0
		Type3	23	7.9	278.0	17	1
		Type3	24	7.5	317.0	17	1
		Type3	25	6.1	260.0	16	1
		Type3	26	8.8	211.0	18	0
		Type3	27	9.7	272.0	18	1
		Type3	28	7.4	264.0	17	1
		Type3	29	9.2	284.0	18	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX40MIMO	5510	Type4	0	16.0	355.0	14	1
		Type4	1	11.3	487.0	12	1
		Type4	2	13.5	344.0	13	1
		Type4	3	19.4	288.0	16	0
		Type4	4	17.5	230.0	15	1
		Type4	5	15.3	432.0	14	1
		Type4	6	15.9	207.0	14	1
		Type4	7	14.3	443.0	13	0
		Type4	8	15.8	439.0	14	0
		Type4	9	11.5	223.0	12	1
		Type4	10	17.4	208.0	15	1
		Type4	11	19.0	463.0	16	1
		Type4	12	16.0	441.0	14	1
		Type4	13	13.8	323.0	13	1
		Type4	14	18.9	297.0	16	0
		Type4	15	15.5	412.0	14	1
		Type4	16	19.9	324.0	16	0
		Type4	17	14.1	271.0	13	1
		Type4	18	15.2	349.0	14	1
		Type4	19	13.8	409.0	13	1
		Type4	20	17.1	373.0	15	1
		Type4	21	13.8	254.0	13	0
		Type4	22	19.8	274.0	16	0
		Type4	23	15.3	278.0	14	1
		Type4	24	14.5	317.0	13	1
		Type4	25	11.3	260.0	12	1
		Type4	26	17.3	211.0	15	1
		Type4	27	19.2	272.0	16	1
		Type4	28	14.2	264.0	13	1
		Type4	29	18.2	284.0	15	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX80MIMO	5530	Type1	0	1.0	938.0	57	1
		Type1	1	1.0	698.0	76	1
		Type1	2	1.0	618.0	86	1
		Type1	3	1.0	538.0	99	1
		Type1	4	1.0	878.0	61	1
		Type1	5	1.0	3066.0	18	1
		Type1	6	1.0	638.0	83	1
		Type1	7	1.0	918.0	58	1
		Type1	8	1.0	838.0	63	1
		Type1	9	1.0	858.0	62	1
		Type1	10	1.0	798.0	67	1
		Type1	11	1.0	718.0	74	1
		Type1	12	1.0	578.0	92	1
		Type1	13	1.0	598.0	89	1
		Type1	14	1.0	558.0	95	1
		Type1	15	1.0	2536.0	21	1
		Type1	16	1.0	966.0	55	1
		Type1	17	1.0	827.0	64	1
		Type1	18	1.0	2501.0	22	1
		Type1	19	1.0	2595.0	21	1
		Type1	20	1.0	1114.0	48	1
		Type1	21	1.0	1302.0	41	1
		Type1	22	1.0	3045.0	18	1
		Type1	23	1.0	1624.0	33	1
		Type1	24	1.0	2878.0	19	0
		Type1	25	1.0	1027.0	52	1
		Type1	26	1.0	2485.0	22	1
		Type1	27	1.0	1600.0	33	1
		Type1	28	1.0	1172.0	46	1
		Type1	29	1.0	1177.0	45	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX80MIMO	5530	Type2	0	3.2	179.0	26	1
		Type2	1	1.1	207.0	23	1
		Type2	2	2.1	230.0	24	1
		Type2	3	4.8	200.0	29	1
		Type2	4	3.9	214.0	28	1
		Type2	5	2.9	222.0	26	1
		Type2	6	3.2	204.0	26	1
		Type2	7	2.5	192.0	25	1
		Type2	8	3.1	164.0	26	1
		Type2	9	1.2	156.0	23	1
		Type2	10	3.9	210.0	27	1
		Type2	11	4.6	201.0	29	1
		Type2	12	3.2	162.0	26	0
		Type2	13	2.2	197.0	25	1
		Type2	14	4.5	163.0	29	0
		Type2	15	3.0	203.0	26	0
		Type2	16	5.0	168.0	29	1
		Type2	17	2.4	217.0	25	1
		Type2	18	2.9	191.0	26	1
		Type2	19	2.3	166.0	25	1
		Type2	20	3.7	150.0	27	1
		Type2	21	2.2	176.0	25	0
		Type2	22	4.9	195.0	29	1
		Type2	23	2.9	202.0	26	1
		Type2	24	2.5	178.0	25	1
		Type2	25	1.1	206.0	23	1
		Type2	26	3.8	155.0	27	1
		Type2	27	4.7	157.0	29	1
		Type2	28	2.4	224.0	25	1
		Type2	29	4.2	159.0	28	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX80MIMO	5530	Type3	0	8.2	355.0	17	1
		Type3	1	6.1	487.0	16	0
		Type3	2	7.1	344.0	16	1
		Type3	3	9.8	288.0	18	1
		Type3	4	8.9	230.0	18	1
		Type3	5	7.9	432.0	17	1
		Type3	6	8.2	207.0	17	1
		Type3	7	7.5	443.0	17	1
		Type3	8	8.1	439.0	17	1
		Type3	9	6.2	223.0	16	1
		Type3	10	8.9	208.0	18	1
		Type3	11	9.6	463.0	18	0
		Type3	12	8.2	441.0	17	1
		Type3	13	7.2	323.0	16	1
		Type3	14	9.5	297.0	18	1
		Type3	15	8.0	412.0	17	0
		Type3	16	10.0	324.0	18	1
		Type3	17	7.4	271.0	17	1
		Type3	18	7.9	349.0	17	0
		Type3	19	7.3	409.0	16	1
		Type3	20	8.7	373.0	18	0
		Type3	21	7.2	254.0	16	1
		Type3	22	9.9	274.0	18	1
		Type3	23	7.9	278.0	17	1
		Type3	24	7.5	317.0	17	1
		Type3	25	6.1	260.0	16	1
		Type3	26	8.8	211.0	18	0
		Type3	27	9.7	272.0	18	1
		Type3	28	7.4	264.0	17	1
		Type3	29	9.2	284.0	18	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX80MIMO	5530	Type4	0	16.0	355.0	14	1
		Type4	1	11.3	487.0	12	1
		Type4	2	13.5	344.0	13	1
		Type4	3	19.4	288.0	16	0
		Type4	4	17.5	230.0	15	0
		Type4	5	15.3	432.0	14	1
		Type4	6	15.9	207.0	14	0
		Type4	7	14.3	443.0	13	1
		Type4	8	15.8	439.0	14	1
		Type4	9	11.5	223.0	12	1
		Type4	10	17.4	208.0	15	0
		Type4	11	19.0	463.0	16	1
		Type4	12	16.0	441.0	14	1
		Type4	13	13.8	323.0	13	1
		Type4	14	18.9	297.0	16	1
		Type4	15	15.5	412.0	14	1
		Type4	16	19.9	324.0	16	0
		Type4	17	14.1	271.0	13	1
		Type4	18	15.2	349.0	14	0
		Type4	19	13.8	409.0	13	1
		Type4	20	17.1	373.0	15	0
		Type4	21	13.8	254.0	13	1
		Type4	22	19.8	274.0	16	1
		Type4	23	15.3	278.0	14	1
		Type4	24	14.5	317.0	13	1
		Type4	25	11.3	260.0	12	0
		Type4	26	17.3	211.0	15	1
		Type4	27	19.2	272.0	16	0
		Type4	28	14.2	264.0	13	0
		Type4	29	18.2	284.0	15	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX160MIMO	5570	Type1	0	1.0	938.0	57	1
		Type1	1	1.0	698.0	76	1
		Type1	2	1.0	618.0	86	1
		Type1	3	1.0	538.0	99	1
		Type1	4	1.0	878.0	61	1
		Type1	5	1.0	3066.0	18	1
		Type1	6	1.0	638.0	83	1
		Type1	7	1.0	918.0	58	0
		Type1	8	1.0	838.0	63	1
		Type1	9	1.0	858.0	62	1
		Type1	10	1.0	798.0	67	1
		Type1	11	1.0	718.0	74	1
		Type1	12	1.0	578.0	92	1
		Type1	13	1.0	598.0	89	1
		Type1	14	1.0	558.0	95	0
		Type1	15	1.0	2536.0	21	0
		Type1	16	1.0	966.0	55	1
		Type1	17	1.0	827.0	64	1
		Type1	18	1.0	2501.0	22	1
		Type1	19	1.0	2595.0	21	1
		Type1	20	1.0	1114.0	48	1
		Type1	21	1.0	1302.0	41	1
		Type1	22	1.0	3045.0	18	1
		Type1	23	1.0	1624.0	33	1
		Type1	24	1.0	2878.0	19	1
		Type1	25	1.0	1027.0	52	1
		Type1	26	1.0	2485.0	22	1
		Type1	27	1.0	1600.0	33	1
		Type1	28	1.0	1172.0	46	1
		Type1	29	1.0	1177.0	45	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX160MIMO	5570	Type2	0	3.2	179.0	26	1
		Type2	1	1.1	207.0	23	1
		Type2	2	2.1	230.0	24	1
		Type2	3	4.8	200.0	29	1
		Type2	4	3.9	214.0	28	1
		Type2	5	2.9	222.0	26	1
		Type2	6	3.2	204.0	26	1
		Type2	7	2.5	192.0	25	1
		Type2	8	3.1	164.0	26	1
		Type2	9	1.2	156.0	23	0
		Type2	10	3.9	210.0	27	1
		Type2	11	4.6	201.0	29	1
		Type2	12	3.2	162.0	26	1
		Type2	13	2.2	197.0	25	1
		Type2	14	4.5	163.0	29	1
		Type2	15	3.0	203.0	26	1
		Type2	16	5.0	168.0	29	1
		Type2	17	2.4	217.0	25	1
		Type2	18	2.9	191.0	26	0
		Type2	19	2.3	166.0	25	1
		Type2	20	3.7	150.0	27	1
		Type2	21	2.2	176.0	25	1
		Type2	22	4.9	195.0	29	1
		Type2	23	2.9	202.0	26	1
		Type2	24	2.5	178.0	25	1
		Type2	25	1.1	206.0	23	0
		Type2	26	3.8	155.0	27	0
		Type2	27	4.7	157.0	29	0
		Type2	28	2.4	224.0	25	1
		Type2	29	4.2	159.0	28	1
		Type3	0	8.2	355.0	17	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX160MIMO	5570	Type3	1	6.1	487.0	16	1
		Type3	2	7.1	344.0	16	0
		Type3	3	9.8	288.0	18	1
		Type3	4	8.9	230.0	18	1
		Type3	5	7.9	432.0	17	1
		Type3	6	8.2	207.0	17	1
		Type3	7	7.5	443.0	17	1
		Type3	8	8.1	439.0	17	1
		Type3	9	6.2	223.0	16	1
		Type3	10	8.9	208.0	18	1
		Type3	11	9.6	463.0	18	1
		Type3	12	8.2	441.0	17	1
		Type3	13	7.2	323.0	16	1
		Type3	14	9.5	297.0	18	1
		Type3	15	8.0	412.0	17	0
		Type3	16	10.0	324.0	18	0
		Type3	17	7.4	271.0	17	1
		Type3	18	7.9	349.0	17	1
		Type3	19	7.3	409.0	16	1
		Type3	20	8.7	373.0	18	1
		Type3	21	7.2	254.0	16	0
		Type3	22	9.9	274.0	18	1
		Type3	23	7.9	278.0	17	1
		Type3	24	7.5	317.0	17	0
		Type3	25	6.1	260.0	16	1
		Type3	26	8.8	211.0	18	1
		Type3	27	9.7	272.0	18	1
		Type3	28	7.4	264.0	17	1
		Type3	29	9.2	284.0	18	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX160MIMO	5570	Type4	0	16.0	355.0	14	1
		Type4	1	11.3	487.0	12	1
		Type4	2	13.5	344.0	13	1
		Type4	3	19.4	288.0	16	1
		Type4	4	17.5	230.0	15	0
		Type4	5	15.3	432.0	14	1
		Type4	6	15.9	207.0	14	0
		Type4	7	14.3	443.0	13	1
		Type4	8	15.8	439.0	14	1
		Type4	9	11.5	223.0	12	1
		Type4	10	17.4	208.0	15	1
		Type4	11	19.0	463.0	16	0
		Type4	12	16.0	441.0	14	1
		Type4	13	13.8	323.0	13	1
		Type4	14	18.9	297.0	16	0
		Type4	15	15.5	412.0	14	1
		Type4	16	19.9	324.0	16	0
		Type4	17	14.1	271.0	13	1
		Type4	18	15.2	349.0	14	1
		Type4	19	13.8	409.0	13	1
		Type4	20	17.1	373.0	15	1
		Type4	21	13.8	254.0	13	1
		Type4	22	19.8	274.0	16	0
		Type4	23	15.3	278.0	14	1
		Type4	24	14.5	317.0	13	0
		Type4	25	11.3	260.0	12	0
		Type4	26	17.3	211.0	15	1
		Type4	27	19.2	272.0	16	1
		Type4	28	14.2	264.0	13	0
		Type4	29	18.2	284.0	15	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Number Of Bursts	Waveform Length (s))	Radar Frequency	Detection (1: Yes; 0: No)
11AX20MIMO	5500	Type5	0	15	12	5500	0
		Type5	1	8	12	5500	1
		Type5	2	11	12	5500	1
		Type5	3	20	12	5500	1
		Type5	4	17	12	5500	1
		Type5	5	14	12	5500	1
		Type5	6	15	12	5500	1
		Type5	7	12	12	5500	1
		Type5	8	14	12	5500	1
		Type5	9	8	12	5500	0
		Type5	10	17	12	5496.843	1
		Type5	11	19	12	5498.043	1
		Type5	12	15	12	5495.643	1
		Type5	13	12	12	5494.443	1
		Type5	14	19	12	5497.643	1
		Type5	15	14	12	5495.243	1
		Type5	16	20	12	5498.443	1
		Type5	17	12	12	5494.443	1
		Type5	18	14	12	5495.243	1
		Type5	19	12	12	5494.443	1
		Type5	20	16	12	5503.557	1
		Type5	21	12	12	5505.957	1
		Type5	22	20	12	5501.557	0
		Type5	23	14	12	5504.757	1
		Type5	24	13	12	5505.157	1
		Type5	25	8	12	5507.557	1
		Type5	26	17	12	5503.157	1
		Type5	27	19	12	5501.957	1
		Type5	28	12	12	5505.557	1
		Type5	29	18	12	5502.757	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX40MIMO	5510	Type5	0	15	12	5510	1
		Type5	1	8	12	5510	1
		Type5	2	11	12	5510	1
		Type5	3	20	12	5510	1
		Type5	4	17	12	5510	1
		Type5	5	14	12	5510	1
		Type5	6	15	12	5510	1
		Type5	7	12	12	5510	1
		Type5	8	14	12	5510	1
		Type5	9	8	12	5510	1
		Type5	10	17	12	5497.572	1
		Type5	11	19	12	5498.772	1
		Type5	12	15	12	5496.372	1
		Type5	13	12	12	5495.172	1
		Type5	14	19	12	5498.372	1
		Type5	15	14	12	5495.972	1
		Type5	16	20	12	5499.172	1
		Type5	17	12	12	5495.172	1
		Type5	18	14	12	5495.972	1
		Type5	19	12	12	5495.172	1
		Type5	20	16	12	5522.828	1
		Type5	21	12	12	5525.228	1
		Type5	22	20	12	5520.828	1
		Type5	23	14	12	5524.028	1
		Type5	24	13	12	5524.428	1
		Type5	25	8	12	5526.828	1
		Type5	26	17	12	5522.428	1
		Type5	27	19	12	5521.228	1
		Type5	28	12	12	5524.828	1
		Type5	29	18	12	5522.028	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX80MIMO	5530	Type5	0	15	12	5530	1
		Type5	1	8	12	5530	1
		Type5	2	11	12	5530	1
		Type5	3	20	12	5530	1
		Type5	4	17	12	5530	1
		Type5	5	14	12	5530	1
		Type5	6	15	12	5530	1
		Type5	7	12	12	5530	1
		Type5	8	14	12	5530	1
		Type5	9	8	12	5530	1
		Type5	10	17	12	5497.8645	1
		Type5	11	19	12	5499.0645	1
		Type5	12	15	12	5496.6645	1
		Type5	13	12	12	5495.4645	1
		Type5	14	19	12	5498.6645	1
		Type5	15	14	12	5496.2645	1
		Type5	16	20	12	5499.4645	1
		Type5	17	12	12	5495.4645	1
		Type5	18	14	12	5496.2645	1
		Type5	19	12	12	5495.4645	1
		Type5	20	16	12	5562.5355	0
		Type5	21	12	12	5564.9355	1
		Type5	22	20	12	5560.5355	1
		Type5	23	14	12	5563.7355	1
		Type5	24	13	12	5564.1355	1
		Type5	25	8	12	5566.5355	0
		Type5	26	17	12	5562.1355	1
		Type5	27	19	12	5560.9355	1
		Type5	28	12	12	5564.5355	1
		Type5	29	18	12	5561.7355	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX160MIMO	5570	Type5	0	15	12	5570	1
		Type5	1	8	12	5570	0
		Type5	2	11	12	5570	1
		Type5	3	20	12	5570	1
		Type5	4	17	12	5570	1
		Type5	5	14	12	5570	1
		Type5	6	15	12	5570	1
		Type5	7	12	12	5570	1
		Type5	8	14	12	5570	1
		Type5	9	8	12	5570	1
		Type5	10	17	12	5499.0155	0
		Type5	11	19	12	5500.2155	1
		Type5	12	15	12	5497.8155	1
		Type5	13	12	12	5496.6155	1
		Type5	14	19	12	5499.8155	1
		Type5	15	14	12	5497.4155	1
		Type5	16	20	12	5500.6155	1
		Type5	17	12	12	5496.6155	1
		Type5	18	14	12	5497.4155	1
		Type5	19	12	12	5496.6155	1
		Type5	20	16	12	5641.3845	1
		Type5	21	12	12	5643.7845	1
		Type5	22	20	12	5639.3845	1
		Type5	23	14	12	5642.5845	1
		Type5	24	13	12	5642.9845	1
		Type5	25	8	12	5645.3845	1
		Type5	26	17	12	5640.9845	1
		Type5	27	19	12	5639.7845	1
		Type5	28	12	12	5643.3845	1
		Type5	29	18	12	5640.5845	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width (μs)	PRI (μs)	Pulses per Hop	Detection (1: Yes; 0: No)
11AX20MIMO	5500	Type6	0	1	333.3	9	1
		Type6	1	1	333.3	9	1
		Type6	2	1	333.3	9	1
		Type6	3	1	333.3	9	1
		Type6	4	1	333.3	9	1
		Type6	5	1	333.3	9	1
		Type6	6	1	333.3	9	1
		Type6	7	1	333.3	9	1
		Type6	8	1	333.3	9	1
		Type6	9	1	333.3	9	1
		Type6	10	1	333.3	9	1
		Type6	11	1	333.3	9	1
		Type6	12	1	333.3	9	1
		Type6	13	1	333.3	9	1
		Type6	14	1	333.3	9	1
		Type6	15	1	333.3	9	1
		Type6	16	1	333.3	9	1
		Type6	17	1	333.3	9	1
		Type6	18	1	333.3	9	1
		Type6	19	1	333.3	9	1
		Type6	20	1	333.3	9	1
		Type6	21	1	333.3	9	1
		Type6	22	1	333.3	9	1
		Type6	23	1	333.3	9	1
		Type6	24	1	333.3	9	1
		Type6	25	1	333.3	9	1
		Type6	26	1	333.3	9	1
		Type6	27	1	333.3	9	1
		Type6	28	1	333.3	9	1
		Type6	29	1	333.3	9	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX40MIMO	5510	Type6	0	1	333.3	9	1
		Type6	1	1	333.3	9	1
		Type6	2	1	333.3	9	1
		Type6	3	1	333.3	9	1
		Type6	4	1	333.3	9	1
		Type6	5	1	333.3	9	1
		Type6	6	1	333.3	9	1
		Type6	7	1	333.3	9	1
		Type6	8	1	333.3	9	1
		Type6	9	1	333.3	9	1
		Type6	10	1	333.3	9	1
		Type6	11	1	333.3	9	1
		Type6	12	1	333.3	9	1
		Type6	13	1	333.3	9	1
		Type6	14	1	333.3	9	1
		Type6	15	1	333.3	9	1
		Type6	16	1	333.3	9	1
		Type6	17	1	333.3	9	1
		Type6	18	1	333.3	9	1
		Type6	19	1	333.3	9	1
		Type6	20	1	333.3	9	1
		Type6	21	1	333.3	9	1
		Type6	22	1	333.3	9	1
		Type6	23	1	333.3	9	1
		Type6	24	1	333.3	9	1
		Type6	25	1	333.3	9	1
		Type6	26	1	333.3	9	1
		Type6	27	1	333.3	9	1
		Type6	28	1	333.3	9	1
		Type6	29	1	333.3	9	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX80MIMO	5530	Type6	0	1	333.3	9	1
		Type6	1	1	333.3	9	1
		Type6	2	1	333.3	9	1
		Type6	3	1	333.3	9	1
		Type6	4	1	333.3	9	1
		Type6	5	1	333.3	9	1
		Type6	6	1	333.3	9	1
		Type6	7	1	333.3	9	1
		Type6	8	1	333.3	9	1
		Type6	9	1	333.3	9	1
		Type6	10	1	333.3	9	1
		Type6	11	1	333.3	9	1
		Type6	12	1	333.3	9	1
		Type6	13	1	333.3	9	1
		Type6	14	1	333.3	9	1
		Type6	15	1	333.3	9	1
		Type6	16	1	333.3	9	1
		Type6	17	1	333.3	9	1
		Type6	18	1	333.3	9	1
		Type6	19	1	333.3	9	1
		Type6	20	1	333.3	9	1
		Type6	21	1	333.3	9	1
		Type6	22	1	333.3	9	1
		Type6	23	1	333.3	9	1
		Type6	24	1	333.3	9	1
		Type6	25	1	333.3	9	1
		Type6	26	1	333.3	9	1
		Type6	27	1	333.3	9	1
		Type6	28	1	333.3	9	1
		Type6	29	1	333.3	9	1



TestMode	Frequency[MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX160MIMO	5570	Type6	0	1	333.3	9	1
		Type6	1	1	333.3	9	1
		Type6	2	1	333.3	9	1
		Type6	3	1	333.3	9	1
		Type6	4	1	333.3	9	1
		Type6	5	1	333.3	9	1
		Type6	6	1	333.3	9	1
		Type6	7	1	333.3	9	1
		Type6	8	1	333.3	9	1
		Type6	9	1	333.3	9	1
		Type6	10	1	333.3	9	1
		Type6	11	1	333.3	9	1
		Type6	12	1	333.3	9	1
		Type6	13	1	333.3	9	1
		Type6	14	1	333.3	9	1
		Type6	15	1	333.3	9	1
		Type6	16	1	333.3	9	1
		Type6	17	1	333.3	9	1
		Type6	18	1	333.3	9	1
		Type6	19	1	333.3	9	1
		Type6	20	1	333.3	9	1
		Type6	21	1	333.3	9	1
		Type6	22	1	333.3	9	1
		Type6	23	1	333.3	9	1
		Type6	24	1	333.3	9	1
		Type6	25	1	333.3	9	1
		Type6	26	1	333.3	9	1
		Type6	27	1	333.3	9	1
		Type6	28	1	333.3	9	1
		Type6	29	1	333.3	9	1



## 4. EUT TEST PHOTOS



\*\*\*\*\*THE END\*\*\*\*\*

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