# DYNAMIC FREQUENCY SELECTION DFS Test Report

**APPLICANT**: Xiaomi Communications Co., Ltd.

**EQUIPMENT**: Mobile Phone

BRAND NAME : Redmi

MODEL NAME : 25080RABDG FCC ID : 2AFZZRABDG

STANDARD : FCC Part 15 Subpart E

**CLASSIFICATION**: (NII) Unlicensed National Information Infrastructure

TEST DATE(S) : Jun. 30, 2025

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures and shown to be compliant 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. (ShenZhen), the test report shall not be reproduced except in full.



Approved by: Fly Liang





**Report No.: FZ562503** 

# Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 1 of 21
Report Issued Date : Aug. 12, 2025

Report Version : Rev. 01

# **TABLE OF CONTENTS**

REVISION HISTORY3				
SU	MMAR	Y OF DYNAMIC FREQUENCY SELECTION TEST	4	
1	GENE	RAL DESCRIPTION	5	
	1.1 1.2 1.3 1.4 1.5 1.6 1.7	Applicant  Manufacturer  Feature of Equipment Under Test  Product Specification of Equipment Under Test  Modification of EUT  Testing Site  Applied Standards  Support Unit used in test configuration and system	5 5 5	
2	REQU	IREMENTS AND PARAMETERS FOR DFS TEST	7	
	2.1 2.2 2.3 2.4 2.5	Summary of Dynamic Frequency Selection Test  Applicability of DFS Requirements  Interference Threshold values, Master or Client incorporating In-Service Monitoring  DFS Response requirement values  Short Pulse Radar Test Waveforms	9 9	
3	CALIE	BRATION SETUP AND DFS TEST RESULTS	11	
	3.1 3.2	Calibration of Radar Waveform		
4	4 LIST OF MEASURING EQUIPMENT			
5	MEAS	SUREMENT UNCERTAINTY	21	
ΑP	PENDI	X A. SETUP PHOTOGRAPHS		

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 2 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01

# **REVISION HISTORY**

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FZ562503	Rev. 01	Initial issue of report	Aug. 12, 2025

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 3 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01

## SUMMARY OF DYNAMIC FREQUENCY SELECTION TEST

UNII	Bandwidth and Channel	Description	Measured	Limit	Result
		Channel Move Time	0.809227sec	< 10 sec	Pass
U-NII-2C 5470-5725MHz	80MHz (CH106) 5530MHz	Channel Closing Transmission time	<200ms + 4.8ms (aggregate)	< 200 ms + aggregate of 60 ms over remaining 10 s period	Pass
		Non-Occupancy Period and Client Beacon Test	No transmission or Beacons occurred	≥ 30 minutes	Pass
		Channel Move Time	0.91163sec	< 10 sec	Pass
U-NII-2A 5250-5350MHz	80MHz (CH58) z 5290MHz	Channel Closing Transmission time	<200ms + 0.8ms (aggregate)	< 200 ms + aggregate of 60 ms over remaining 10 s period	Pass
		Non-Occupancy Period and Client Beacon Test	No transmission or Beacons occurred	≥ 30 minutes	Pass

Note: Since the product is client without radar detection function, only Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Test are required to be performed.

#### **Conformity Assessment Condition:**

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or
  in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of
  non-compliance that may potentially occur if measurement uncertainty is taken into account.
- 2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

#### Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 4 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01

# 1 General Description

# 1.1 Applicant

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

**Report No.: FZ562503** 

### 1.2 Manufacturer

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

# 1.3 Feature of Equipment Under Test

Product Feature			
Equipment	Mobile Phone		
Brand Name	Redmi		
Model Name	25080RABDG		
FCC ID	2AFZZRABDG		
IMEI Code	862542070028707/8625420700288715		
HW Version	135100P16		
SW Version	Xiaomi HyperOS 2.0		
EUT Stage	Identical Prototype		

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

# 1.4 Product Specification of Equipment Under Test

Product Specification subjective to this standard			
DFS Function Client without radar detection function			
Tx/Rx Channel Frequency Range	5260 MHz ~ 5320 MHz		
TARK Chainlei Frequency Range	5500 MHz ~ 5720 MHz		
	802.11a		
EUT support WLAN function	802.11n HT20/HT40		
EOT Support WEAR function	802.11ac VHT20/VHT40/VHT80		
	802.11ax HE20/HE40/HE80		
	802.11a/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)		
Type of Modulation	802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)		
Type of Modulation	802.11ax : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM		
	/1024QAM)		

## 1.5 Modification of EUT

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

 Sporton International Inc. (ShenZhen)
 Page Number
 : 5 of 21

 TEL: +86-755-8637-9589
 Report Issued Date
 : Aug. 12, 2025

 FAX: +86-755-8637-9595
 Report Version
 : Rev. 01

FCC ID: 2AFZZRABDG

# 1.6 Testing Site

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

**Report No.: FZ562503** 

Test Firm	Sporton International Inc. (ShenZhen)				
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985				
	Sporton Site No.	FCC Designation No.	FCC Test Firm		
Test Site No.	Sporton Site No.	PCC Designation No.	Registration No.		
	DFS01-SZ	CN1256	421272		

# 1.7 Applied Standards

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

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

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.

# 1.8 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	HW / FW Version	Power Cord
1.	WLAN AP	ASUS	RT-AX88U	MSQ-RTAXHP00	FW: 3.0.0.4.384_4730-g8g74d3c	Unshielded, 1.8 m
2.	Notebook	Lenovo			N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

 Sporton International Inc. (ShenZhen)
 Page Number
 : 6 of 21

 TEL: +86-755-8637-9589
 Report Issued Date
 : Aug. 12, 2025

 FAX: +86-755-8637-9595
 Report Version
 : Rev. 01

FCC ID: 2AFZZRABDG

# 2 Requirements and Parameters for DFS Test

# 2.1 Summary of Dynamic Frequency Selection Test

Bandwidth Test Items and Channel		Limit		
80MHz 5530MHz (CH106)				
	Channel Move Time	< 10 sec		
80MHz (CH106) 5530MHz	Channel Closing Transmission time	< 200 ms + aggregate of 60 ms over remaining 10 s period		
	Non-Occupancy Period and Client Beacon Test	≥ 30 minutes		

Bandwidth and Channel	Test Items	Limit		
80MHz 5290MHz (CH58)				
	Channel Move Time	< 10 sec		
80MHz (CH58) 5530MHz	Channel Closing Transmission time	< 200 ms + aggregate of 60 ms over remaining 10 s period		
	Non-Occupancy Period and Client Beacon Test	≥ 30 minutes		

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 7 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01

#### 2.2 **Applicability of DFS Requirements**

EUT is client and operates as client without radar detection function.

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

	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

Table 2: Applicability of DFS requirements during normal operation

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

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

#### Note

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

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG

Page Number : 8 of 21 Report Issued Date: Aug. 12, 2025 Report Version

**Report No.: FZ562503** 

: Rev. 01

# 2.3 Interference Threshold values, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value (see notes 1 and 2)		
≥ 200 milliwatt	-64 dBm		
< 200 milliwatt	-62 dBm		

**Report No.: FZ562503** 

**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.

# 2.4 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
U-NII Detection Bandwidth	remaining 10 second period. See Notes 1 and 2.  Minimum 100% of the 99% power bandwidth
0-Nii Delection Bandwidin	See Note 3.

**Note 1:** The instant that the *Channel Move Time* and the *Channel Closing Transmission Time* begins is as follows:

- For the Short pulse radar Test Signals this instant is the end of the Burst.
- For the Frequency Hopping radar Test Signal, this instant is the end of the last radar *Burst* generated.
- For the Long Pulse radar Test Signal this instant is the end of the 12 second period defining the radar transmission.

**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.

 Sporton International Inc. (ShenZhen)
 Page Number
 : 9 of 21

 TEL: +86-755-8637-9589
 Report Issued Date
 : Aug. 12, 2025

 FAX: +86-755-8637-9595
 Report Version
 : Rev. 01

FCC ID: 2AFZZRABDG

#### **Short Pulse Radar Test Waveforms** 2.5

As the EUT is a Client Device with no Radar Detection, only one type radar pulse is required for the testing. Radar Pulse type 0 was used in the evaluation of the Client device for the purpose of measuring the Channel Move Time and the Channel Closing Transmission Time.

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Trials
0	1	1428	18	60%	30
1	1	Test A Test B	Roundup $ \left\{                                  $	60%	30
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	

Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a 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

A minimum of 30 unique waveforms are required for each of the short pulse radar types 2 through 4. For short pulse radar type 1, the same waveform is used a minimum of 30 times. 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.

The aggregate is the average of the percentage of successful detections of short pulse radar types 1-4.

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG

Page Number : 10 of 21 Report Issued Date: Aug. 12, 2025

**Report No.: FZ562503** 

Report Version : Rev. 01

# 3 Calibration Setup and DFS Test Results

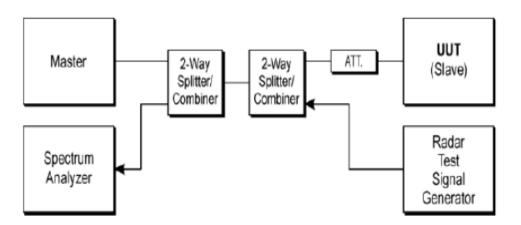
## 3.1 Calibration of Radar Waveform

#### 3.1.1 Radar Waveform Calibration Procedure

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

#### 3.1.2 Test Setup

#### **Conducted Test Setup**



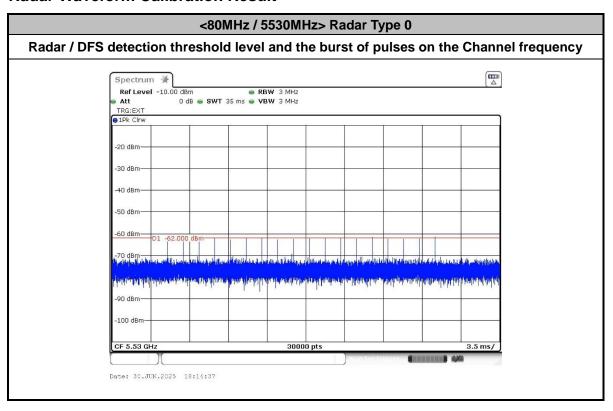
#### 3.1.3 Calibration Deviation

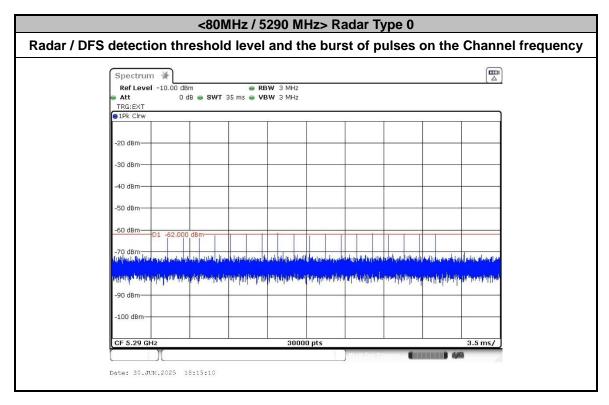
There is no deviation with the original standard.

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 11 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01

#### 3.1.4 Radar Waveform Calibration Result





Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 12 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01

# 3.2 In-Service Monitoring: Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

#### 3.2.1 Limit of In-Service Monitoring

The EUT has In-Service Monitoring function to continuously monitor the radar signals, If radar is detected, it must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current Channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec. The total duration of *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.

Non-Occupancy Period time is 30 minute during which a Channel will not be utilized after a Radar Waveform is detected on that Channel. The non-associated Client Beacon Test is during the 30 minutes observation time. The EUT should not make any transmissions in the DFS band after EUT power up.

Sporton International Inc. (ShenZhen)
TEL: +86-755-8637-9589

FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 13 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01

#### 3.2.2 Test Procedures

- 1. The radar pulse generator is setup to provide a pulse at frequency that the Master and Client are operating. A type 0 radar pulse with a 1us pulse width and a 1428 us PRI is used for the testing.
- 2. The vector signal generator is adjusted to provide the radar burst (18 pulses) at a level of approximately -62dBm at the antenna of the Master device.
- 3. A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4. A U-NII device operating as a Client Device will associate with the Master at Channel. The MPEG file "TestFile.mpg" specified by the FCC is streamed from the "file computer" through the Master to the Client Device and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5. 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. At time T0 the Radar Waveform generator sends a Burst of pulse of the radar waveform at Detection Threshold + 1dB.
- 6. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). One 12 seconds plot is reported for the Short Pulse Radar Types 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7. Measurement of the aggregate duration of the Channel Closing Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.4ms)= S (12000ms) / B (30000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is the sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.4 ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8. Measure the EUT for more than 30 minutes following the channel move time to verify that no transmissions or beacons occur on this Channel.

Sporton International Inc. (ShenZhen)Page NumTEL: +86-755-8637-9589Report Iss

FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 14 of 21
Report Issued Date : Aug. 12, 2025

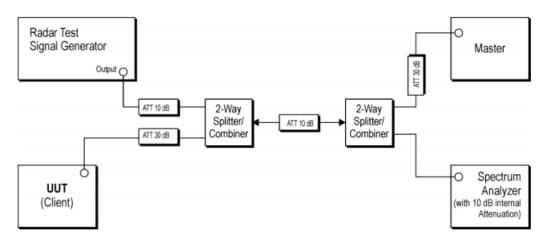
**Report No.: FZ562503** 

Report Version : Rev. 01

## 3.2.3 Test Setup

UUT is a Client without Radar detection and Radar Test Waveforms are injected into the Master.

#### **Conducted Test Setup**



#### 3.2.4 Test Deviation

There is no deviation with the original standard.

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG

Page Number : 15 of 21 Report Issued Date : Aug. 12, 2025

**Report No. : FZ562503** 

: Rev. 01 Report Version

# 3.2.5 Result of Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period for Client Beacon Test

Test Mode :	Client without radar detection	Temperature :	24.5°C
Test Engineer :	Zhao GuoKai	Relative Humidity :	46%

BW / Channel	Test Item	Test Result	Limit	Pass/Fail
OOMU-	Channel Move Time	0.809227 s	< 10s	Pass
80MHz	Channel Closing Transmission Time	200ms + 4.8 ms	< 260ms	Pass
(5530MHz)	Non-Occupancy Period	≥ 30	≥ 30 min	Pass

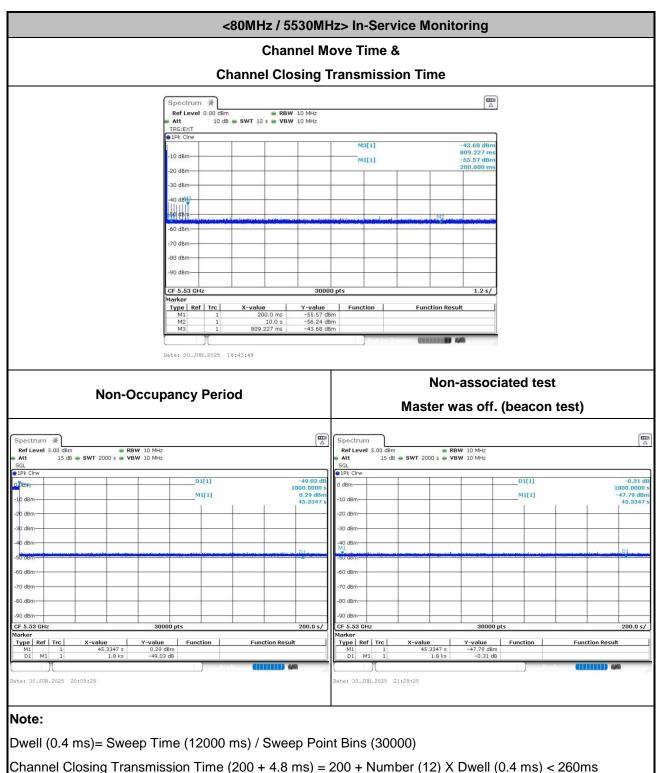
BW / Channel	Test Item	Test Result	Limit	Pass/Fail
460MU= /	Channel Move Time	0.91163 s	< 10s	Pass
160MHz / 5250 MHz	Channel Closing Transmission Time	200ms + 0.8 ms	< 260ms	Pass
525U IVITZ	Non-Occupancy Period	≥ 30	≥ 30 min	Pass

**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.

Sporton International Inc. (ShenZhen)

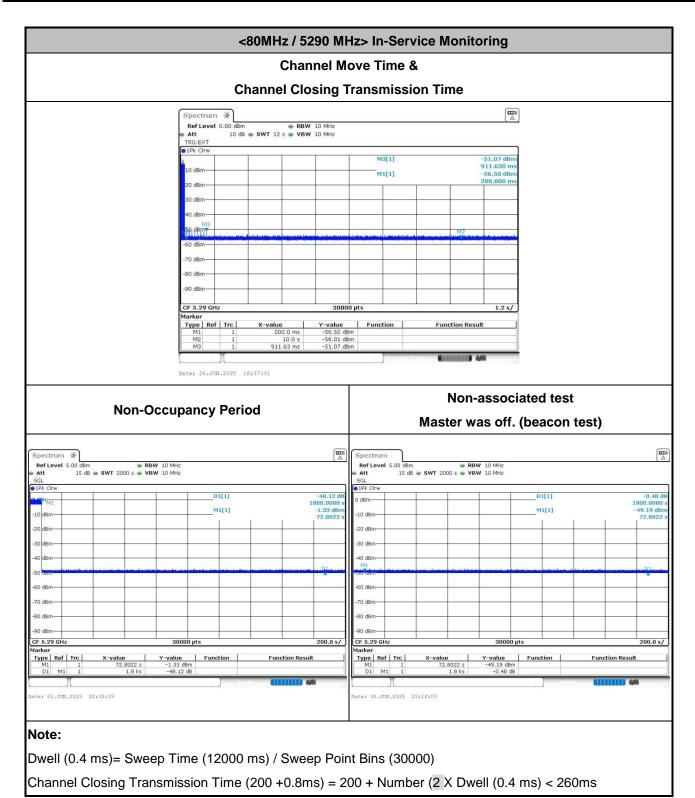
TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 16 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01

# 3.2.6 Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period for Client Beacon Test Plots



Sporton International Inc. (ShenZhen)

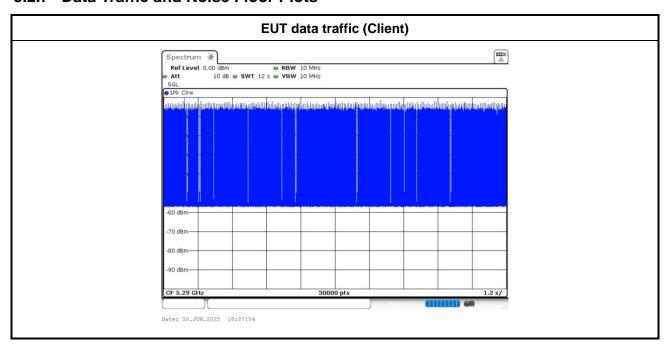
TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 17 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01

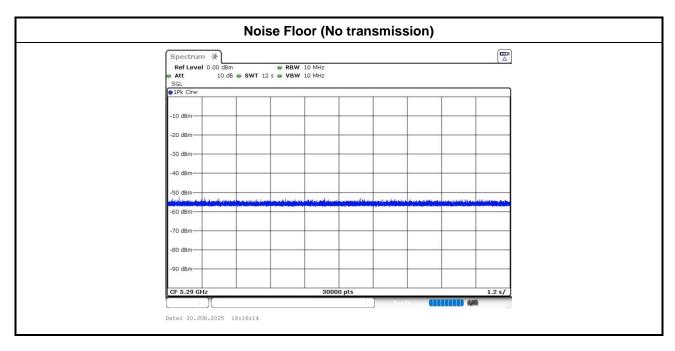


Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 18 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01

## 3.2.7 Data Traffic and Noise Floor Plots





TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 19 of 21 Report Issued Date : Aug. 12, 2025 Report Version : Rev. 01

# 4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Signal	D 0 0	FSV7	101172	4011- 7011-	Dog 25 2024	lum 20 2025	Dog 24 2025	Conducted
Analyzer	R&S	F3V/	101473	10Hz~7GHz	Dec. 25, 2024	Jun. 30, 2025	Dec. 24, 2025	(DFS01-SZ)
MXG-B RF								Conducted
Vector Signal Generator	Keysight	N5182B	MY56200424	9kHz~6GHz	Apr. 02, 2025	Jun. 30, 2025	Apr. 01, 2026	(DFS01-SZ)
	Combiner TOJOIN PS-2/	DO 0444 0400	SZE1401100	0.4~6GHz	Sep. 05, 2024	Jun. 30, 2025	Sep. 04, 2025	Conducted
Combiner		PS-2AM-0460	7					(DFS01-SZ)

NCR: No Calibration Required

**Sporton International Inc. (ShenZhen)** TEL: +86-755-8637-9589

FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 20 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01

# 5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

#### **Uncertainty of Conducted Measurement**

Test Item	Uncertainty
Conducted Generated signal Levels	±0.62 dB
Conducted Time	0.38%

----- THE END -----

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AFZZRABDG Page Number : 21 of 21
Report Issued Date : Aug. 12, 2025
Report Version : Rev. 01