TEST REPORT

Product	:	Home Gateway, Wireless Router
Trade mark	:	ZTE
Model/Type reference	:	ZXHN Z2300
Serial Number	:	N/A
Report Number	:	EED32S80148403
Date of Issue	:	Apr. 01, 2026
Product Class	:	Item 19-3 of Article 2 Paragraph 1
Test result	:	PASS

Prepared for:

ZTE Corporation
ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, P.R.China

Prepared by:

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Approved by: Aaron Ma Date: Apr. 01, 2026

Check No.: 7337200126

1 Contents

1 CONTENTS **2**

2 GENERAL INFORMATION **3**

2.1 Client Information 3
2.2 General Description of EUT 3
2.3 EUT test environment range 5
2.4 Description of Support Units 5
2.5 Test Location 5

3 EQUIPMENT LIST **6**

4 TRANSMITTER REQUIREMENTS **8**

5.1 EUT channels and frequencies list 8

5 DYNAMIC FREQUENCY SELECTION (DFS) **10**

6.1 Technical Requirements for DFS 10
6.2 DFS test signals 11
6.3 DFS Test Setup 13
6.4 Communication Load 13

6 DFS TEST RESULT **14**

7 PHOTOGRAPHS **15**

7.1 EUT Constructional Details 15

2 General Information

2.1 Client Information

Applicant:	ZTE Corporation
Address of Applicant:	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, P.R.China
Manufacturer:	ZTE Corporation
Address of Manufacturer:	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, P.R.China

2.2 General Description of EUT

Product Name:	Home Gateway, Wireless Router
Model No.:	ZXHN Z2300
Test model No.:	ZXHN Z2300
Trade mark:	ZTE
EUT Supports Radios application:	W52 Band: 5150-5250MHz W53 Band: 5250-5350MHz W56 Band: 5500-5700MHz
Operating Frequency:	W52 Band: 5150-5250MHz W53 Band: 5250-5350MHz W56 Band: 5500-5700MHz
Type of Modulation:	IEEE 802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) IEEE 802.11n(HT20/HT40): OFDM (BPSK, QPSK, 16QAM, 64QAM) IEEE 802.11ac(VHT20/VHT40/VHT80/VHT160): OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) IEEE 802.11ax(HE20/HE40/HE80/HE160): OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM,1024QAM) (Resource Unit with subcarriers:Full RU)
Transmit Data Rate:	IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n(HT20): MCS0-MCS15 802.11n(HT40): MCS0-MCS15 802.11ac(HE20): MCS0-MCS9 802.11ac(HE40): MCS0-MCS9 802.11ac(HE80): MCS0-MCS9 802.11ac(HE160): MCS0-MCS9 802.11ax(HE20): MCS0-MCS11 802.11ax(HE40): MCS0-MCS11 802.11ax(HE80): MCS0-MCS11 802.11ax(HE160): MCS0-MCS11
Antenna Type:	Dipole antenna
Antenna gain:	Type1: Angeei: 5G1: 5dBi, 5G2: 4dBi, 5G3: 5dBi, Beamforming gain: 3dBi Type2: South Star: 5G1: 5dBi, 5G2: 4dBi, 5G3: 5dBi,, Beamforming gain: 3dBi
Power Supply:	DC 12.0V
Sample Received Date:	Jan. 20, 2026

Sample tested Date:	Jan. 20, 2026 to Mar. 23, 2026

Remark:
The product: Home Gateway, Wireless Router
The model: ZXHN Z2300.
Their electrical circuit design, layout, components used and internal wiring are identical, only the product description is different because of the different market strategy.

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2.3 EUT test environment range

Temperature:	25°C
Humidity:	59.3% RH
Atmospheric Pressure:	1010mbar

2.4 Description of Support Units

The EUT has been tested independently.

2.5 Test Location

All tests were performed at:
Centre Testing International Group Co., Ltd.
Hongwei Industrial Park, Zone 70, Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385
No tests were sub-contracted.

3 Equipment List

RF test system						
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. Date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**	**Calibration body**
Spectrum Analyzer	Keysight	N9010A	MY54510339	11-25-2025	11-24-2026	CTIMT
Spectrum Analyzer	R&S	FSW43	102978	08-11-2025	08-10-2026	LISAI
Signal Generator	Keysight	N5182B	MY53051549	11-13-2025	11-12-2026	CTIMT
Signal Generator	Agilent	N5181A	MY46240094	11-25-2025	11-24-2026	CTIMT
DC Power	Keysight	E3642A	MY56376072	11-13-2025	11-12-2026	CTIMT
Communication test set	R&S	CMW500	169004	03-03-2025 02-06-2026	03-02-2026 02-05-2027	CTIMT
RF control unit(power unit)	JS Tonscend	JS0806-2	24I80620925	07-21-2025	07-20-2026	CTIMT
Wi-Fi 7GHz Band Extendder	JS Tonscend	TS-WF7U2	2206200002	05-12-2025	05-11-2026	LISAI
high-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	11-13-2025	11-12-2026	CTIMT
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	05-26-2025	05-25-2026	CTIMT
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3	V3.6.21	---	---	---
Digital multimeter	FLUKE	17B MAX	59545050WS	10-15-2025	10-14-2026	CTIMT

Remark:

CTI: Centre Testing International Group Co., Ltd
Adress:Build C,Hongwei Industrial Zone, Baoan 70 District, Shenzhen, China
CTIMT: CTI MEASUREMENT AND TESTING CO.,LTD.
Address :Building B and C, Taohuayuan Sci-Tech Innovation Park, Tiegang Community, Xixiang Sub-district, Bao'an District, Shenzhen, Guangdong, China
LISAI: Guangzhou LiSai Metrology & Test Co.,Ltd.
Address:No.8.South Street Shi Ji Institute Guangzhou.Guangdong.China

Note: Usage method (c) calibration.

(a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.
(b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act

No. 51 of 1992) .

(c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

(d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to(c).

From JRL Article 24-2, paragraph 4, Item 2

4 Transmitter Requirements

5.1 EUT channels and frequencies list

802.11a 20MHz 802.11n 20MHz 802.11ac 20MHz 802.11ax 20MHz		802.11n 40MHz 802.11ac 40MHz 802.11ax 40MHz		802.11ac 80MHz 802.11ax 80MHz	
W52		W52		W52	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	N/A	N/A
44	5220	N/A	N/A	N/A	N/A
48	5240	N/A	N/A	N/A	N/A

802.11a 20MHz 802.11n 20MHz 802.11ac 20MHz 802.11ax 20MHz		802.11n 40MHz 802.11ac 40MHz 802.11ax 40MHz		802.11ac 80MHz 802.11ax 80MHz	
W53		W53		W53	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310	N/A	N/A
60	5300	N/A	N/A	N/A	N/A
64	5320	N/A	N/A	N/A	N/A

802.11ac 160MHz 802.11ax 160MHz	
W52+W53	
Channel	Frequency (MHz)
50	5250

802.11a 20MHz 802.11n 20MHz 802.11ac 20MHz 802.11ax 20MHz		802.11n 40MHz 802.11ac 40MHz 802.11ax 40MHz		802.11ac 80MHz 802.11ax 80MHz		802.11ac 160MHz 802.11ax 160MHz	
W56		W56		W56		W56	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530	114	5570
104	5520	110	5550	122	5610	N/A	N/A
108	5540	118	5590	138	5690	N/A	N/A
112	5560	126	5630	N/A	N/A	N/A	N/A
116	5580	134	5670	N/A	N/A	N/A	N/A
120	5600	142	5710	N/A	N/A	N/A	N/A
124	5620	N/A	N/A	N/A	N/A	N/A	N/A
128	5640	N/A	N/A	N/A	N/A	N/A	N/A
132	5660	N/A	N/A	N/A	N/A	N/A	N/A
136	5680	N/A	N/A	N/A	N/A	N/A	N/A
140	5700	N/A	N/A	N/A	N/A	N/A	N/A
144	5720	N/A	N/A	N/A	N/A	N/A	N/A

5 Dynamic Frequency Selection (DFS)

6.1 Technical Requirements for DFS

6.1.1 Applicability of DFS Requirements

Requirement	Operational Mode
	Master
Confirming available channels	Yes
Monitoring of operating channel	Yes

6.1.2 DFS Interference Thresholds and Response Requirement

Interference threshold values

Maximum Transmit power (eirp)	Value (see notes)
≧200 mW	-64 dBm
< 200 mW	-62 dBm
NOTE : This is the level at the input of the receiver assuming a 0 dBi receive antenna.	

DFS requirement values

Parameter		Value
Confirming available channels		60 s
Monitoring of operating channel	Channel Move Time	10 s
	Channel Closing Transmission Time	260 ms
Non-Occupancy Period		30 minutes

6.2 DFS test signals

6.2.1 Parameters of the DFS test signal in the 5250-5350 MHz band

Classification	The radio wave which a radar transmits					Detection probability
	Pulse width		Repetition frequency		Minimum number of consecutive pulses	
	minimum value	maximum value	minimum value	maximum value		
1	0.5μS	5μS	200 Hz	1000 Hz	10	60% or more
2	0.5μS	15μS	200 Hz	1600 Hz	15	60% or more
3	0.5μS	5μS	200 Hz	1000 Hz	"Repetition frequency x 0.026" (Round up to less than 1), or "22", whichever is larger, or "30", whichever is smaller	60% or more
4	0.5μS	15μS	200 Hz	1600 Hz	"Repetition frequency x 0.026" (Round up to less than 1), or "22", whichever is larger, or "30", whichever is smaller	60% or more
5	0.5μS	1.5μS	1114 Hz	1118 Hz	30	60% or more
6	0.5μS	1.5μS	928 Hz	932 Hz	25	60% or more
7	0.5μS	1.5μS	886 Hz	890 Hz	24	60% or more
8	0.5μS	1.5μS	738 Hz	742 Hz	20	60% or more

6.2.2 Parameters of the DFS test signal in the 5470-5730 MHz band

A. Fixed pulse radar wave test signals

Test signal	Pulse width [μs]	Pulse repetition frequency [Hz]	Number of continuous pulses	Repetition cycle [s]
Fixed Pulse 1	0.5	720	18	15.0
Fixed Pulse 2	1.0	700	18	15.0
Fixed Pulse 3	2.0	250	18	15.0

B. Variable pulse radar wave test signals

Test signal	Pulse width [μs]	Pulse repetition frequency [Hz]	Number of continuous pulses	Repetition cycle [s]
Variable Pulse 4	Width in a range of 1 to 5 μs in increments of 1 μs	Any one frequency in a range of 4,347 to 6,667 Hz	Any one integer between 23 and 29	15.0
Variable Pulse 5	Width in a range of 6 to 10 μs in increments of 1 μs	Any one frequency in a range of 2,000 to 5,000 Hz	Any one integer between 16 and 18	15.0
Variable Pulse 6	Width in a range of 11 to 20 μs in increments of 1 μs	Any one frequency in a range of 2,000 to 5,000 Hz	Any one integer between 12 and 16	15.0

Note: Each item in the table shall consist of any combination of 1.

C. Chirp radar wave test signal

Test signal	Pulse width [μs]	Pulse repetition frequency [Hz]	Number of continuous pulses	Repetition cycle [s]
Charp	Width in a range of 50 to 100 μs in increments of 1 μs	Any one frequency in a range of 500 to 1,000 Hz	Any one integer between 1 and 3	12.0

Note 1: Bursts shall be transmitted within 12 seconds.
Note 2: The Chirp width shall be a frequency width that ranges from 5 to 20 MHz in increments of 1 MHz. An individual Chirp width can be any in each burst and Chirp widths within the same burst shall be equal.
Note 3: The number of bursts shall be any integer in a range of 8 to 20 and a burst interval shall be a time period derived &nb sp; from dividing 12 seconds with the number of bursts.
Note 4: If there are multiple pulses within a burst of 1s, the width of each pulse shall be equal and the pulse repetition frequency shall not have any relationships with that for the subsequent pulses of 1.
Note 5: Each item in the table shall consist of any combination of 1.

D. Frequency hopping radar wave test signal

Test signal	Pulse width [μs]	Pulse repetition frequency [Hz]	Number of continuous pulses	Repetition cycle [s]
Hopping	1.0	3,000	9	10.0

Note 1: The hopping frequency shall be any frequency that ranges from 5,250 to 5,724 MHz in increments of 1 MHz.
Note 2: An individual hopping interval shall be 3 ms and a total of all hopping intervals shall be 300 ms.
Note 3: Burst intervals shall be 3ms.

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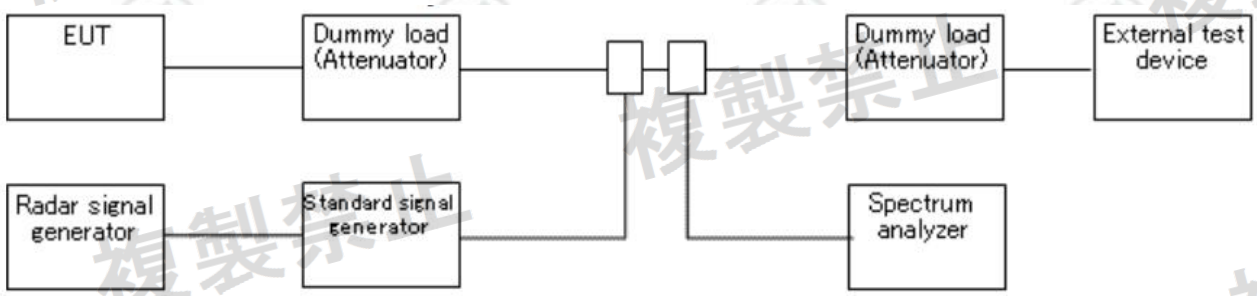
6.3 DFS Test Setup



6.4 Communication Load

☒	5250-5350 MHz band: 50% of the maximum signal transmission speed
☒	5470-5730 MHz Band: 18% of the maximum signal transmission speed

6 DFS test result

Refer to Appendix: 5G Wi-Fi DFS of EED32S80148403

7 Photographs

7.1 EUT Constructional Details

Refer to Report No. EED32S80148401 for EUT external and internal photos.

Statement

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;

2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;

3. The result(s) shown in this report refer(s) only to the sample(s) tested;

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