TEST REPORT

Product	:	GPON ONT
Trade mark	:	ZTE
Model/Type reference	:	ZXHN F6705, ZXHN F6705T
Serial Number	:	N/A
Report Number	:	EED32R82051201
Date of Issue	:	Nov. 14, 2025
Test Standards	:	ETSI EN 300 328 V2.2.2(2019-07)
Test result	:	PASS

Prepared for:

ZTE Corporation

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

Prepared by:

Centre Testing International Group Co., Ltd.

Hongwei Industrial Park, Zone 70, Bao'an District,

Shenzhen, Guangdong, China

TEL: +86-755-3368 3668

FAX: +86-755-3368 3385

Compiled by:	Frazer Li	Reviewed by:	Keven Tan
Approved by:	Aaron Ma	Date:	Nov. 14, 2025

Check No.:5351031125

Modification Record

Version No.	Last Report No.	Modification Description
00	EED32R81545901	First report
01	EED32R82051201	Update the versions.
Note: The new versions has changed the antenna from external to internal. This does not affect the RF performance, so only the RSE test was conducted. Other test data come from the report of No.EED32R81545901.		

1 Test Summary

Test Item	Test Requirement	Test Method	Limit	Result
RF output power	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.2	EN 300 328 V2.2.2 (2019-07)Clause 5.4.2	Refer clause 4.3.2.2.3	PASS
Power Spectral Density	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.3	EN 300 328 V2.2.2 (2019-07)Clause 5.4.3	Refer clause 4.3.2.3.3	PASS
Duty Cycle, Tx-sequence, Tx-gap	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.4	EN 300 328 V2.2.2 (2019-07)Clause 5.4.2	Refer clause 4.3.2.4.3	N/A[1]
Medium Utilization (MU) factor	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.5	EN 300 328 V2.2.2 (2019-07)Clause 5.4.2	Refer clause 4.3.2.5.3	N/A[2]
Adaptivity	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.6	EN 300 328 V2.2.2 (2019-07)Clause 5.4.6	Refer clause 4.3.2.6.3.2	PASS
Occupied Channel Bandwidth	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.7	EN 300 328 V2.2.2 (2019-07)Clause 5.4.7	Refer clause 4.3.2.7.3	PASS
Transmitter unwanted emissions in the out-of-band domain	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.8	EN 300 328 V2.2.2 (2019-07)Clause 5.4.8	Refer clause 4.3.2.8.3	PASS
Transmitter unwanted emissions in the spurious domain	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.9	EN 300 328 V2.2.2 (2019-07)Clause 5.4.9	Refer clause 4.3.2.9.3	PASS
Receiver spurious emissions	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.10	EN 300 328 V2.2.2 (2019-07)Clause 5.4.10	Refer clause 4.3.2.10.3	PASS
Receiver Blocking	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.11	EN 300 328 V2.2.2 (2019-07)Clause 5.4.11	Refer clause 4.3.2.11.4	PASS
Geo-location capability	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.12	EN 300 328 V2.2.2 (2019-07)Clause 4.3.2.12	Refer Clause 4.3.2.12.3	N/A[3]

Remark:

N/A[1]: Because these requirements apply to non-adaptive frequency hopping equipment mode and RF output power of greater than or equal to 10 dBm.

N/A[2] Because these requirements apply to non-adaptive frequency hopping equipment mode and RF output power of greater than or equal to 10 dBm.

N/A[3] Because these requirements apply to equipment with geo-location capability

Tx: In this whole report Tx (or tx) means Transmitter.
Rx: In this whole report Rx (or rx) means Receiver.
RF: In this whole report RF means Radiated Frequency.
CH: In this whole report CH means channel.
Volt: In this whole report Volt means Voltage.
Temp: In this whole report Temp means Temperature.
Humid: In this whole report Humid means humidity.
Press: In this whole report Press means Pressure.
N/A: In this whole report not application.

Model No.: ZXHN F6705, ZXHN F6705T
Only the model ZXHN F6705 was tested. ZXHN F6705 compared with ZXHN F6705T, only have different model number. All of the models' circuit theory, electrical design and the key pieces are the same.
ZXHN F6705/ ZXHN F6705T has eight configs, all of the configs use the same PCB, the differences are shown in the following table.

No.	ZXHN F6705/ ZXHN F6705T	Power Adapter
1	WAN interface: GPON LAN interface: 1*2.5GE+3*GE+1*POTS+1*USB2.0+2WIFI(2.4GHz 11be 2x2 MIMO+5GHz 11be 2x2 MIMO@160Mhz）(two dual band external antennas with 5dBi gain)	12V, 1.5A
2	WAN interface: GPON LAN interface: 1*2.5GE+3*GE+1*USB2.0+2WIFI(2.4GHz 11be 2x2 MIMO+5GHz 11be 2x2 MIMO@160Mhz）(two dual band external antennas with 5dBi gain)	12V, 1.5A
3	WAN interface: GPON LAN interface: 1*2.5GE+3*GE+1*POTS+2WIFI(2.4GHz 11be 2x2 MIMO+5GHz 11be 2x2 MIMO@160Mhz）(two dual band external antennas with 5dBi gain)	12V, 1.5A
4	WAN interface: GPON LAN interface: 1*2.5GE+3*GE+2WIFI(2.4GHz 11be 2x2 MIMO+5GHz 11be 2x2 MIMO@160Mhz）(two dual band external antennas with 5dBi gain)	12V, 1.5A
5	WAN interface: GPON LAN interface: 1*2.5GE+3*GE+1*POTS+1*USB2.0+2WIFI(2.4GHz 11be 2x2 MIMO+5GHz 11be 2x2 MIMO@160Mhz）(two dual band internal antennas with 5dBi gain)	12V, 1.5A
6	WAN interface: GPON LAN interface: 1*2.5GE+3*GE+1*USB2.0+2WIFI(2.4GHz 11be 2x2 MIMO+5GHz 11be 2x2 MIMO@160Mhz）(two dual band internal antennas with 5dBi gain)	12V, 1.5A

7	WAN interface: GPON LAN interface: 1*2.5GE+3*GE+1*POTS+2WIFI(2.4GHz 11be 2x2 MIMO+5GHz 11be 2x2 MIMO@160Mhz）(two dual band internal antennas with 5dBi gain)	12V, 1.5A
8	WAN interface: GPON LAN interface: 1*2.5GE+3*GE+2WIFI(2.4GHz 11be 2x2 MIMO+5GHz 11be 2x2 MIMO@160Mhz）(two dual band internal antennas with 5dBi gain)	12V, 1.5A

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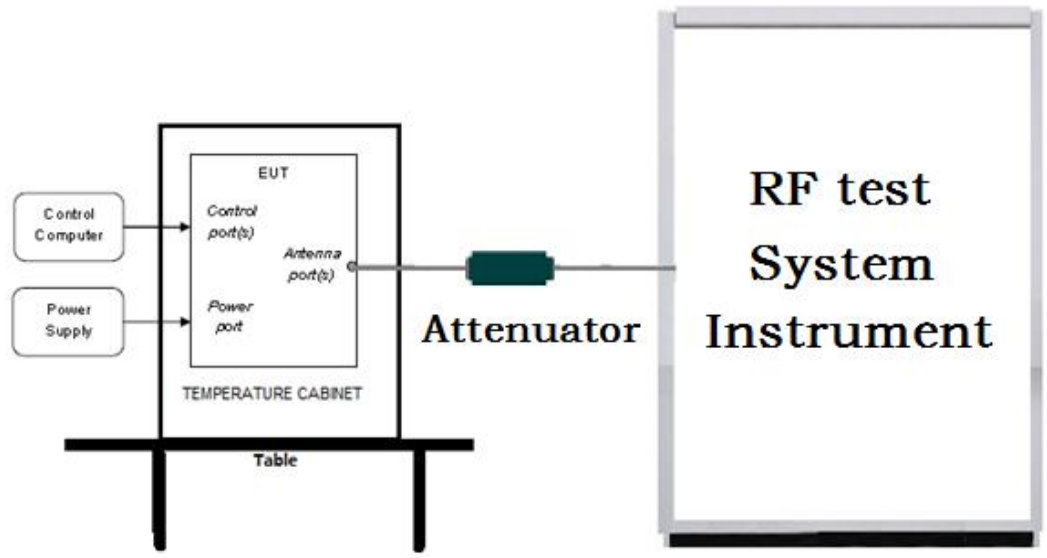
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3 Test Requirement

3.1 Test setup

3.1.1 For Conducted test setup



3.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

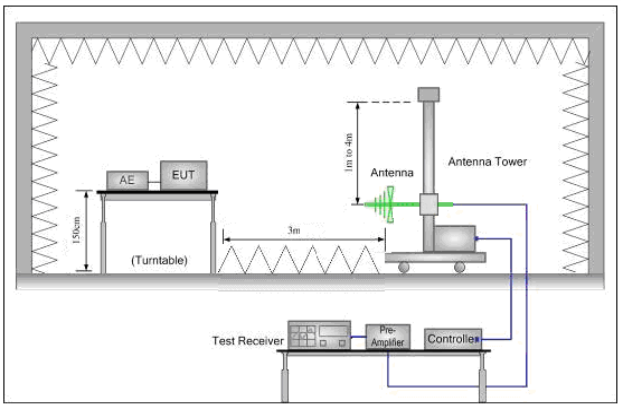


Figure 1. 30MHz to 1GHz

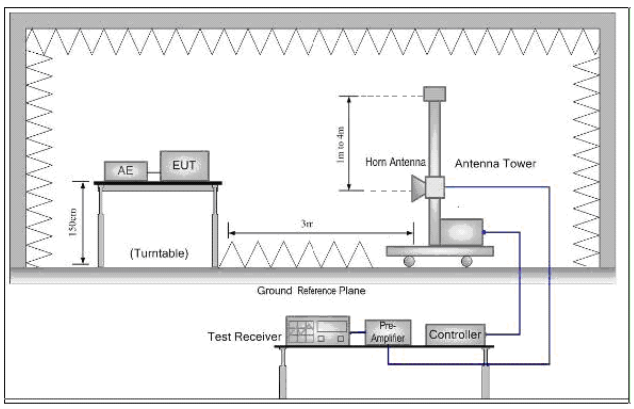


Figure 2. Above 1GHz

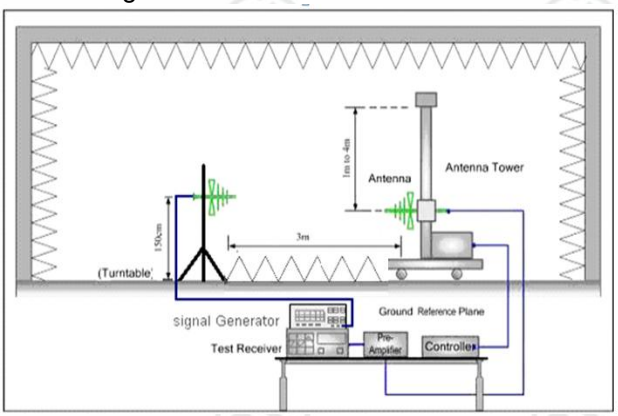


Figure 1. 30MHz to 1GHz

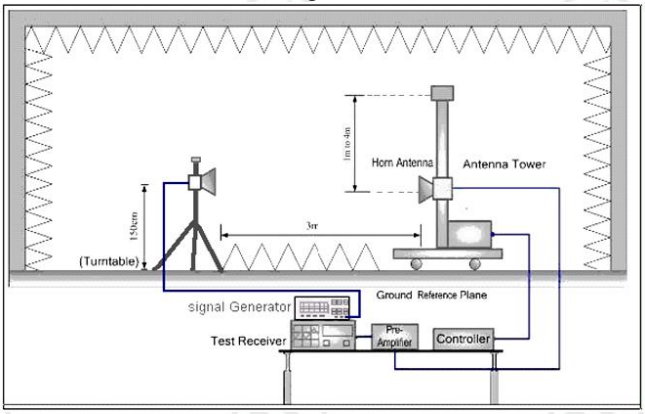


Figure 2. Above 1GHz

3.2 Test Environment

Environment Parameter	Selected Values During Tests		
Test condition	Ambient		
	Temperature(℃)	Voltage(V)	Relative Humidity(%)
NT/NV	22	12.0	55
LT/NV	-5	12.0	55
HT/NV	45	12.0	55

Note:

1) The EUT just work in such extreme temperature of -5℃~+45℃, so here the EUT is tested in the temperature of -5℃~+45℃

2) NV: Normal Voltage NT:Normal Temperature
LT: Low Extreme Test Temperature HT: High Extreme Test Temperature

5.1.2 Normal test conditions

5.1.2.1 Normal temperature and humidity

Unless otherwise declared by the manufacturer, the normal temperature and humidity conditions for tests shall be any convenient combination of temperature and humidity within the following ranges:

- temperature: +15 °C to +35 °C;
- relative humidity: 20 % to 75 %.

The actual values during the tests shall be recorded.

5.1.2.2 Normal power source

The normal test voltage for the equipment shall be the nominal voltage for which the equipment was designed.

5.1.3 Extreme test conditions

Some tests in the present document need to be repeated at extreme temperatures. Where that is the case, measurements shall be made over the extremes of the operating temperature range as declared by the manufacturer.

3.3 Test Condition

Test channel

Test Mode	Tx/Rx	RF Channel		
		Low(L)	Middle(M)	High(H)
802.11b	2412MHz ~2472MHz	Channel 1	Channel 7	Channel 13
		2412MHz	2442MHz	2472MHz
802.11g	2412MHz ~2472MHz	Channel 1	Channel 7	Channel 13
		2412MHz	2442MHz	2472MHz
802.11n(HT20)/ax(HE20)/be(EHT20)	2412MHz ~2472 MHz	Channel 1	Channel 7	Channel13
		2412MHz	2442MHz	2472MHz
802.11n(HT40)/ax(HE40)/be(EHT40)	2422MHz ~2462 MHz	Channel 1	Channel 5	Channel 9
		2422MHz	2442MHz	2462MHz

Through Pre-scan all rate, 1Mbps of rate the power is the worst case of 802.11b; 6Mbps of rate the power is the worst case of 802.11g; MCS0 of rate the power is the worst case of 802.11n(HT20); MCS0 of rate the power is the worst case of 802.11n(HT40); MCS0 of rate the power is the worst case of 802.11ax(HE20); MCS0 of rate the power is the worst case of 802.11ax(HE40);MCS0 of rate the power is the worst case of 802.11be(EHT20); MCS0 of rate the power is the worst case of 802.11be(EHT40);only the worse case was recorded in the report.

4 General Information

4.1 Client Information

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

4.2 General Description of EUT

Product Name:	GPON ONT
Model No.:	ZXHN F6705, ZXHN F6705T
Test model No.:	ZXHN F6705
Trade mark:	ZTE
Type of Modulation:	IEEE for 802.11b:DSSS(CCK, DQPSK, DBPSK) IEEE for 802.11g:OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n(HT20 and HT40): OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11ax(HE20 and HE40): OFDMA (1024QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11be(HET20 and HET40): OFDMA (4096QAM, 1024QAM, 64QAM, 16QAM, QPSK, BPSK)
Operating Frequency:	IEEE 802.11b/g/n(HT20)ax(HE20)/be(HET20): 2412MHz to 2472MHz IEEE 802.11n(HT40)/ax(HE40)/be(HET40): 2422MHz to 2462MHz
Channels Step:	Channels with 5MHz step
Transmit Data Rate:	802.11b:1M/2M/5.5M/11M bps 802.11g:6M/9M/12M/18M/24M/36M/48M/54M bps 802.11n(HT20): MCS0-MCS15 802.11n(HT40): MCS0-MCS15 802.11ax(HE20): MCS0-MCS11 802.11ax(HE40): MCS0-MCS11 802.11be(HET20): MCS0-MCS13 802.11be(HET40): MCS0-MCS13
Sample Type:	Fixed-Use
Test Power Grade:	Default
Test Software of EUT:	QATool.exe
Antenna Type:	Dipole antenna
Antenna Gain:	ANT 2.4G_0: 5.2 dBi, ANT 2.4G_1: 4.8 dBi, Beamforming gain: 3 dB
Power Supply:	DC 12.0V
Test voltage:	DC 12.0V

4.3 Other Information

RED Directive:	2014/53/EU
Sample Received Date1:	Aug. 26, 2025
Sample tested Date1:	Aug. 26, 2025 to Sep. 09, 2025
Sample Received Date2:	Nov. 03, 2025
Sample tested Date2:	Nov. 03, 2025 to Nov. 08, 2025

Operation Frequency each of channel(802.11b/g/n HT20/ax HE20/be EHT20)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	5	2432	9	2452	13	2472
2	2417	6	2437	10	2457		
3	2422	7	2442	11	2462		
4	2427	8	2447	12	2467		

Operation Frequency each of channel(802.11n HT40/ax HE40/ be EHT40)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2422	4	2437	7	2452
2	2427	5	2442	8	2457
3	2432	6	2447	9	2462

4.4 Description of Support Units

The EUT has been tested with associated equipment below.

1）Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Netbook	Asus	FL8700JP1065-0D8GXYQ2X10	FCC&CE	CTI

4.5 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 3368 3668 Fax:+86 (0) 755 3368 3385
CNAS-Lab Code: L1910
A2LA certificate number: 3061.01
No tests were sub-contracted.

4.6 Deviation from Standards

None.

4.7 Abnormalities from Standard Conditions

None.

4.8 Other Information Requested by the Customer

None.

4.9 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Occupied Bandwidth	0.52dB
2	RF Power conducted	0.46dB(30MHz-1GHz)
		0.55dB(1GHz-18GHz)
3	Power Spectral Density, conducted	0.57dB
4	Unwanted Emission, conducted	0.46dB(30MHz-1GHz)
		0.55dB(1GHz-18GHz)
5	All Emission, radiated	4.9dB(30MHz-1GHz)
		4.7dB(1GHz-18GHz)
6	Temperature test	0.64°C
7	Humidity test	3.8%
8	DC and low frequency voltages test	0.026%

5 Equipment List

RF test system					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. Date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
Spectrum Analyzer	Keysight	N9010A	MY54510339	12-05-2024	12-04-2025
Signal Generator	Keysight	N5182B	MY53051549	11-30-2024	11-29-2025
DC Power	Keysight	E3642A	MY56376072	11-30-2024	11-29-2025
Communication test set	R&S	CMW500	169004	03-03-2025	03-02-2026
RF control unit(power unit)	JS Tonscend	JS0806-2	22G8060592	07-20-2025	07-19-2026
Wi-Fi 7GHz Band Extendder	JS Tonscend	TS-WF7U2	2206200002	05-12-2025	05-11-2026
High-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	11-30-2024	11-29-2025
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	05-26-2025	05-25-2026
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3	V3.3.20	---	---
Spectrum Analyzer	R&S	FSV3044	101509	02-14-2025	02-13-2026

3M full-anechoic Chamber test 1					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. Date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2024	01-08-2027
Receiver	Keysight	N9038A	MY57290136	01-04-2025	01-03-2026
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-14-2025	01-13-2026
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-14-2025	01-13-2026
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-12-2025	04-11-2026
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-12-2025	04-11-2026
Horn Antenna	ETS-LINDGREN	3117	57407	06-29-2025	06-28-2026
Preamplifier	EMCI	EMC001330	980563	03-03-2025	03-02-2026
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-07-2025	07-06-2026
Preamplifier	Tonscend	EMC051845SE	980380	12-05-2024	12-04-2025
Communication test set	R&S	CMW500	102898	01-04-2025	01-03-2026
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	03-31-2025	03-30-2026
RSE Automatic test software	JS Tonscend	JS36-RSE	V4.0.0.0	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0001		---
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	---	---
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	---	---
Cable line	Times	EMC104-NMNM-1000	SN160710	---	---
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	---	---
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	---	---
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	---	---
Cable line	Times	HF160-KMKM-3.00M	393493-0001	---	---

3M full-anechoic Chamber Test 2					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. Date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2024	01-08-2027
Receiver	Keysight	N9038A	MY57290136	01-04-2025	01-03-2026
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-14-2025	01-13-2026
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-14-2025	01-13-2026
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-12-2025	04-11-2026
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-12-2025	04-11-2026
Horn Antenna	ETS-LINDGREN	3117	57407	06-29-2025	06-28-2026
Preamplifier	EMCI	EMC001330	980563	03-03-2025	03-02-2026
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-07-2025	07-06-2026
Preamplifier	Tonscend	EMC051845SE	980380	12-05-2024	12-04-2025
Communication test set	R&S	CMW500	102898	01-04-2025	01-03-2026
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	03-31-2025	03-30-2026
RSE Automatic test software	JS Tonscend	JS36-RSE	V4.0.0.0	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0001		---
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	---	---
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	---	---
Cable line	Times	EMC104-NMNM-1000	SN160710	---	---
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	---	---
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	---	---
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	---	---
Cable line	Times	HF160-KMKM-3.00M	393493-0001	---	---

6 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	ETSI EN 300 328 V2.2.2 (2019-07)	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum

Test Results List:

ETSI EN 300 328 V2.2.2 (2019-07)		Test Descriptions & Test Conditions	Verdict	Note
Test Requirement	Test Method			
Clause 4.3.2.2	Clause 5.4.2	RF output power		Note 1
		NT/NV	PASS	
		LT/NV	PASS	
		HT/NV	PASS	
Clause 4.3.2.3	Clause 5.4.3	Power Spectral Density		Note 1
		NT/NV	PASS	
Clause 4.3.2.4	Clause 5.4.2	Duty Cycle, Tx-sequence, Tx-gap		N/A
		NT/NV	N/A	
Clause 4.3.2.5	Clause 5.4.2	Medium Utilisation (MU) factor		N/A
		NT/NV	N/A	
Clause 4.3.2.6	Clause 5.4.6	Adaptivity (adaptive equipment using modulations other than FHSS)		Note 1
		NT/NV	PASS	
Clause 4.3.2.7	Clause 5.4.7	Occupied Channel Bandwidth		Note 1
		NT/NV	PASS	
Clause 4.3.2.8	Clause 5.4.8	Transmitter unwanted emissions in the out-of-band domain		Note 1
		NT/NV	PASS	
Clause 4.3.2.11	Clause 5.4.11	Receiver Blocking		Note 1
		NT/NV	PASS	
Clause 4.3.2.9	Clause 5.4.9	Transmitter unwanted emissions in the spurious domain		Appendix A
		NT/NV	PASS	
Clause 4.3.2.10	Clause 5.4.10	Receiver spurious emissions		Appendix A
		NT/NV	PASS	
Note 1: The test data please refer to Appendix: 2.4G Wi-Fi of EED32R82051201				

Appendix A: Spurious emissions

Test Procedure:

1. Scan from 30MHz to 12.75GHz; find the maximum radiation frequency to measure.
2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT.

Test procedure as below:

1) The EUT was powered ON and placed on a 1.5m hight table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. Modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test.
2) The EUT was set 3 meters (above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3) The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
4) Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
5) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
6) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions.
7) The output power into the substitution antenna was then measured.
8) Steps 6) and 7)were repeated with both antennas polarized.
9) Calculate power in dBm by the following formula:

ERP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBd)
EIRP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBi)
EIRP=ERP+2.15dB

where:

Pg is the generator output power into the substitution antenna.

10) Test the EUT in the lowest channel , the Highest channel
11) Repeat above procedures until all frequencies measured was complete..

Limit:

Transmitter limits for spurious emissions

Frequency range	Maximum power, e.r.p. (≤ 1 GHz) e.i.r.p. (> 1 GHz)	Bandwidth
30MHz to 47MHz	-36dBm	100kHz
47MHz to 74MHz	-54dBm	100kHz
74MHz to 87,5MHz	-36dBm	100kHz
87,5MHz to 118MHz	-54dBm	100kHz
118MHz to 174MHz	-36dBm	100kHz
174MHz to 230MHz	-54dBm	100kHz
230MHz to 470MHz	-36dBm	100kHz
470MHz to 694MHz	-54dBm	100kHz
694MHz to 1GHz	-36dBm	100kHz
1GHz to 12.75GHz	-30dBm	1MHz

Spurious emission limits for receivers

Frequency range	Maximum power e.r.p. (≤ 1 GHz) e.i.r.p. (> 1 GHz)	Bandwidth
30MHz to 1GHz	-57dBm	100kHz
1GHz to 12.75GHz	-47dBm	1MHz

Radiated Spurious Emissions test Data:

1) Transmitter unwanted emissions in the spurious domain

Remark: Through Pre-scan, for 20MHz Occupied Bandwidth, 802.11 b mode was the worst case; for 40MHz Occupied Bandwidth, 802.11 be(HET40) mode was the worst case; only the worst case was in the report.

Mode	802.11 b Transmitting	Remark	SISO
Band	\	Channel	2412MHz

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	89.9531	150	92	-66.97	-54.00	12.97	PASS	Horizontal
2	208.8592	150	357	-68.03	-54.00	14.03	PASS	Horizontal
3	628.0308	150	357	-66.19	-54.00	12.19	PASS	Horizontal
4	1985.2985	150	32	-44.53	-30.00	14.53	PASS	Horizontal
5	4501.6001	150	193	-53.86	-30.00	23.86	PASS	Horizontal
6	9653.1935	150	258	-48.99	-30.00	18.99	PASS	Horizontal

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.7011	150	72	-63.60	-54.00	9.60	PASS	Vertical
2	99.9536	150	216	-65.48	-54.00	11.48	PASS	Vertical
3	649.932	150	276	-69.23	-54.00	15.23	PASS	Vertical
4	2034.7035	150	303	-41.60	-30.00	11.60	PASS	Vertical
5	4828.5719	150	360	-53.71	-30.00	23.71	PASS	Vertical
6	7773.2682	150	308	-49.77	-30.00	19.77	PASS	Vertical

Mode	802.11 b Transmitting	Remark	SISO
Band	\	Channel	2472MHz

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	62.2517	150	80	-62.92	-54.00	8.92	PASS	Horizontal
2	208.9092	150	97	-67.45	-54.00	13.45	PASS	Horizontal
3	625.0307	150	115	-71.44	-54.00	17.44	PASS	Horizontal
4	1955.2955	150	175	-43.72	-30.00	13.72	PASS	Horizontal
5	4586.1057	150	140	-53.56	-30.00	23.56	PASS	Horizontal
6	10329.8887	150	176	-48.19	-30.00	18.19	PASS	Horizontal

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.1011	150	308	-62.54	-54.00	8.54	PASS	Vertical
2	103.9538	150	43	-67.18	-54.00	13.18	PASS	Vertical
3	649.932	150	0	-69.22	-54.00	15.22	PASS	Vertical
4	2038.3038	150	291	-42.02	-30.00	12.02	PASS	Vertical
5	5024.885	150	358	-52.68	-30.00	22.68	PASS	Vertical
6	11349.8067	150	314	-48.09	-30.00	18.09	PASS	Vertical

Mode	802.11 be(EHT40) Transmitting	Remark	MIMO
Band	\	Channel	2422MHz

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.4016	150	89	-64.35	-54.00	10.35	PASS	Horizontal
2	103.9538	150	252	-66.90	-54.00	12.90	PASS	Horizontal
3	500.0742	150	242	-61.62	-54.00	7.62	PASS	Horizontal
4	2006.7007	150	97	-43.31	-30.00	13.31	PASS	Horizontal
5	4612.1075	150	320	-54.03	-30.00	24.03	PASS	Horizontal
6	9592.7395	150	264	-47.81	-30.00	17.81	PASS	Horizontal

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	58.4515	150	0	-61.59	-54.00	7.59	PASS	Vertical
2	103.5038	150	0	-66.15	-54.00	12.15	PASS	Vertical
3	649.982	150	215	-70.19	-54.00	16.19	PASS	Vertical
4	1975.6976	150	147	-43.24	-30.00	13.24	PASS	Vertical
5	4992.3828	150	200	-51.57	-30.00	21.57	PASS	Vertical
6	10745.2664	150	352	-47.50	-30.00	17.50	PASS	Vertical

Mode	802.11 be(EHT40) Transmitting	Remark	MIMO
Band	\	Channel	2462MHz

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	67.2519	150	228	-67.83	-54.00	13.83	PASS	Horizontal
2	103.8538	150	228	-67.38	-54.00	13.38	PASS	Horizontal
3	623.8806	150	357	-69.99	-54.00	15.99	PASS	Horizontal
4	1868.4868	150	252	-45.46	-30.00	15.46	PASS	Horizontal
5	5040.486	150	76	-53.33	-30.00	23.33	PASS	Horizontal
6	9285.9191	150	254	-49.73	-30.00	19.73	PASS	Horizontal

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.2016	150	80	-63.10	-54.00	9.10	PASS	Vertical
2	103.5038	150	89	-67.20	-54.00	13.20	PASS	Vertical
3	649.932	150	219	-69.51	-54.00	15.51	PASS	Vertical
4	1987.6988	150	1	-42.84	-30.00	12.84	PASS	Vertical
5	5004.0836	150	329	-52.24	-30.00	22.24	PASS	Vertical
6	8555.2704	150	282	-49.88	-30.00	19.88	PASS	Vertical

Mode	2.4G Wi-Fi + 5G Wi-Fi	Remark	\
Band	\	Channel	\

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	88.903	150	110	-66.10	-54.00	12.10	PASS	Horizontal
2	208.9092	150	86	-67.62	-54.00	13.62	PASS	Horizontal
3	649.982	150	67	-70.19	-54.00	16.19	PASS	Horizontal
4	1955.6956	150	41	-43.91	-30.00	13.91	PASS	Horizontal
5	5002.7835	150	278	-53.69	-30.00	23.69	PASS	Horizontal
6	9999.6666	150	22	-47.60	-30.00	17.60	PASS	Horizontal

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	57.7014	150	17	-60.97	-54.00	6.97	PASS	Vertical
2	97.1035	150	17	-66.80	-54.00	12.80	PASS	Vertical
3	649.982	150	247	-69.23	-54.00	15.23	PASS	Vertical
4	1949.0949	150	212	-42.56	-30.00	12.56	PASS	Vertical
5	4976.1317	150	192	-53.48	-30.00	23.48	PASS	Vertical
6	9755.9004	150	184	-48.97	-30.00	18.97	PASS	Vertical

2) Receiver spurious emissions test data

Remark: Through Pre-scan, for 20MHz Occupied Bandwidth, 802.11 b mode was the worst case; for 40MHz Occupied Bandwidth, 802.11 be(EHT40) mode was the worst case; only the worst case was in the report.

Mode	802.11 b Receiving	Remark	SISO
Band	\	Channel	2412MHz

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	36.9358	150	46	-79.95	-57.00	22.95	PASS	Horizontal
2	58.6164	150	313	-77.23	-57.00	20.23	PASS	Horizontal
3	312.5266	150	206	-73.15	-57.00	16.15	PASS	Horizontal
4	2039.979	150	278	-63.10	-47.00	16.10	PASS	Horizontal
5	5565.3315	150	0	-63.95	-47.00	16.95	PASS	Horizontal
6	11871.0121	150	99	-58.03	-47.00	11.03	PASS	Horizontal

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.7405	150	315	-75.88	-57.00	18.88	PASS	Vertical
2	99.989	150	230	-75.56	-57.00	18.56	PASS	Vertical
3	437.5174	150	83	-74.49	-57.00	17.49	PASS	Vertical
4	2279.703	150	221	-58.54	-47.00	11.54	PASS	Vertical
5	5007.1507	150	47	-63.27	-47.00	16.27	PASS	Vertical
6	11178.8679	150	28	-59.32	-47.00	12.32	PASS	Vertical

Mode	802.11 b Receiving	Remark	\
Band	\	Channel	2472MHz

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	88.5909	150	251	-80.40	-57.00	23.40	PASS	Horizontal
2	312.5266	150	233	-75.11	-57.00	18.11	PASS	Horizontal
3	649.958	150	357	-74.33	-57.00	17.33	PASS	Horizontal
4	2370.187	150	277	-63.95	-47.00	16.95	PASS	Horizontal
5	5005.9756	150	34	-63.84	-47.00	16.84	PASS	Horizontal
6	11250.5501	150	332	-59.30	-47.00	12.30	PASS	Horizontal

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	38.5849	150	224	-77.62	-57.00	20.62	PASS	Vertical
2	99.0675	150	140	-76.94	-57.00	19.94	PASS	Vertical
3	208.8769	150	54	-73.77	-57.00	16.77	PASS	Vertical
4	2279.703	150	224	-58.72	-47.00	11.72	PASS	Vertical
5	5003.6254	150	284	-63.20	-47.00	16.20	PASS	Vertical
6	10250.5251	150	260	-59.28	-47.00	12.28	PASS	Vertical

Mode	802.11 be(EHT40) Receiving	Remark	\
Band	\	Channel	2422MHz

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	66.1343	150	253	-75.46	-57.00	18.46	PASS	Horizontal
2	126.6653	150	68	-74.37	-57.00	17.37	PASS	Horizontal
3	375.0463	150	357	-66.88	-57.00	9.88	PASS	Horizontal
4	2279.703	150	323	-64.38	-47.00	17.38	PASS	Horizontal
5	5557.1057	150	76	-63.90	-47.00	16.90	PASS	Horizontal
6	11242.3242	150	102	-59.35	-47.00	12.35	PASS	Horizontal

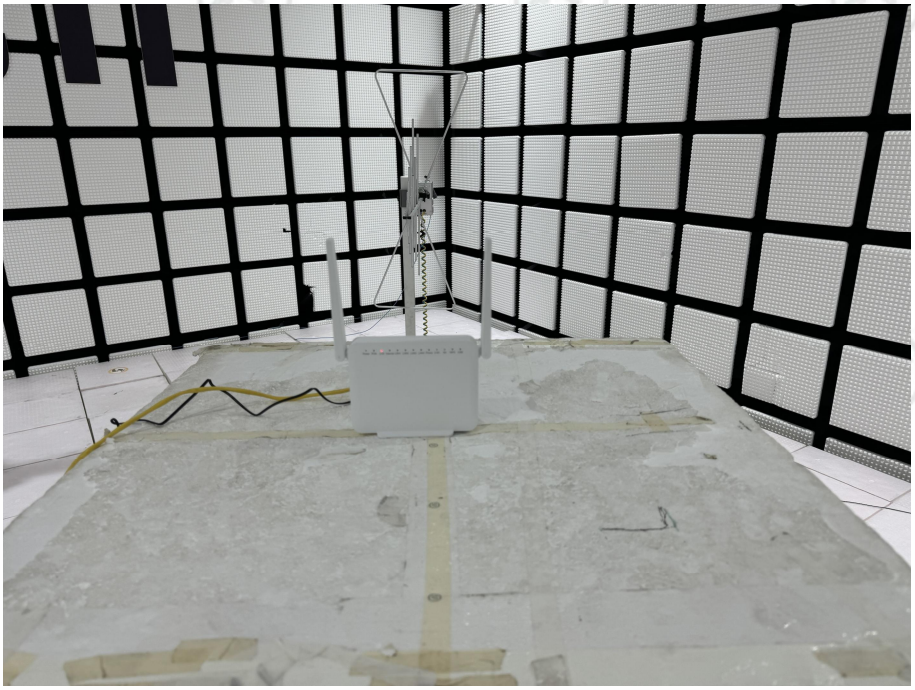
Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	66.1343	150	253	-75.46	-57.00	18.46	PASS	Horizontal
2	126.6653	150	68	-74.37	-57.00	17.37	PASS	Horizontal
3	375.0463	150	357	-66.88	-57.00	9.88	PASS	Horizontal
4	2279.703	150	323	-64.38	-47.00	17.38	PASS	Horizontal
5	5557.1057	150	76	-63.90	-47.00	16.90	PASS	Horizontal
6	11242.3242	150	102	-59.35	-47.00	12.35	PASS	Horizontal

Mode	802.11 be(EHT40) Receiving	Remark	\
Band	\	Channel	2462MHz

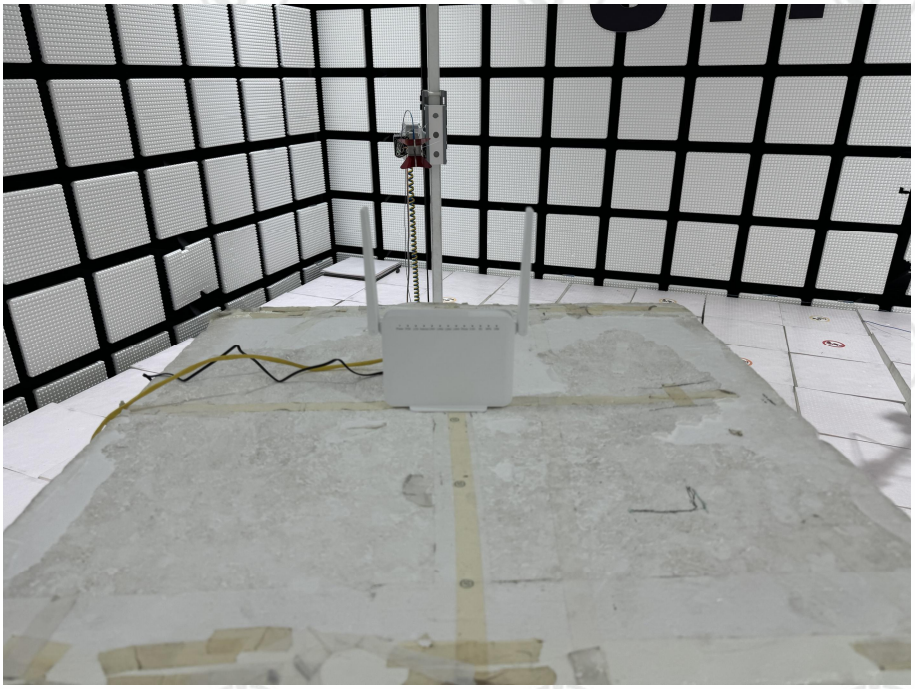
Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	46.1028	150	314	-75.43	-57.00	18.43	PASS	Horizontal
2	312.5266	150	357	-73.30	-57.00	16.30	PASS	Horizontal
3	649.958	150	0	-74.61	-57.00	17.61	PASS	Horizontal
4	2039.979	150	0	-63.15	-47.00	16.15	PASS	Horizontal
5	5013.0263	150	174	-63.83	-47.00	16.83	PASS	Horizontal
6	11274.0524	150	289	-59.29	-47.00	12.29	PASS	Horizontal

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.1956	150	44	-76.69	-57.00	19.69	PASS	Vertical
2	129.6725	150	52	-75.84	-57.00	18.84	PASS	Vertical
3	437.5174	150	354	-75.94	-57.00	18.94	PASS	Vertical
4	2279.703	150	274	-58.35	-47.00	11.35	PASS	Vertical
5	5007.1507	150	282	-63.19	-47.00	16.19	PASS	Vertical
6	11277.5778	150	28	-58.37	-47.00	11.37	PASS	Vertical

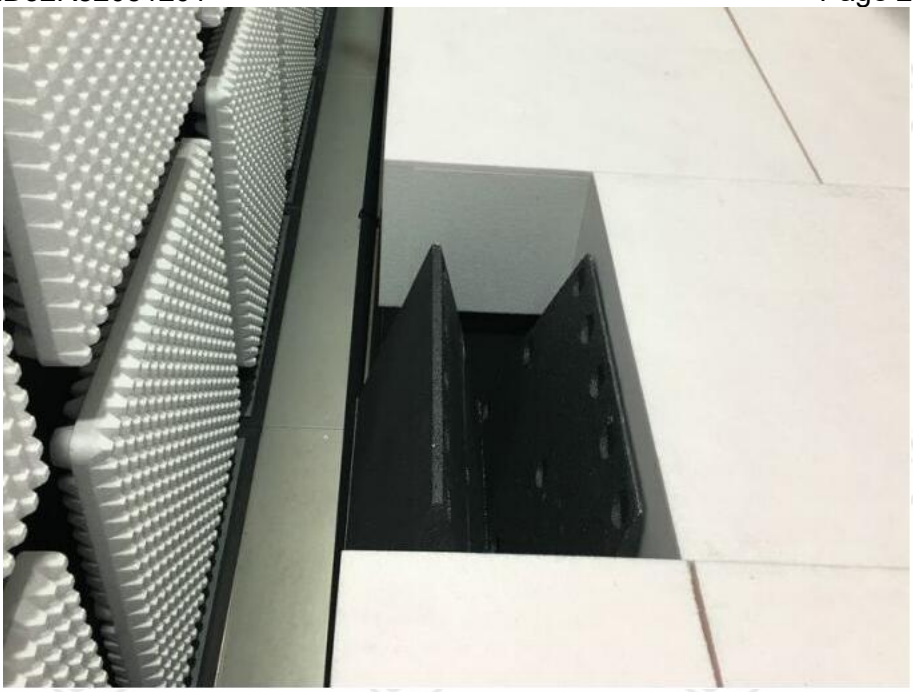
PHOTOGRAPHS OF TEST SETUP



Radiated spurious emission Test Setup-1(Below 1GHz)

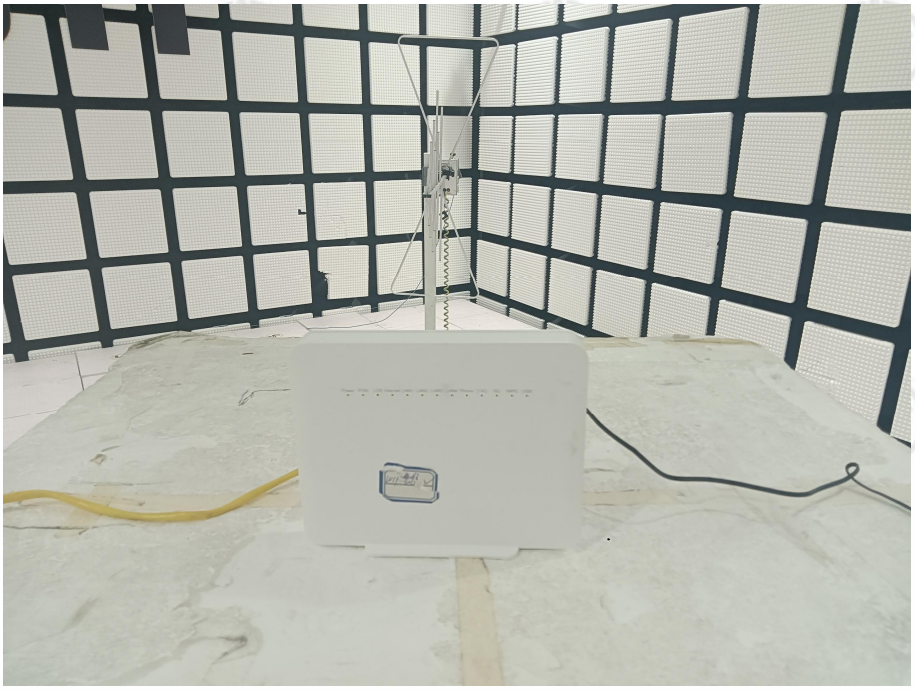


Radiated spurious emission Test Setup-2(Above 1GHz)

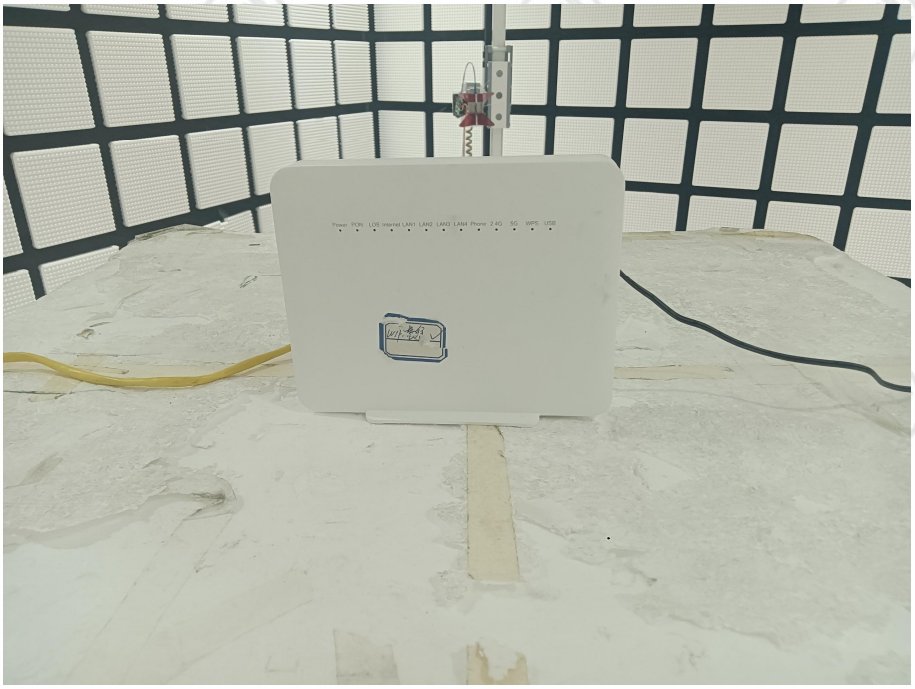


Radiated spurious emission Test Setup-3
There are absorbing materials under the ground.

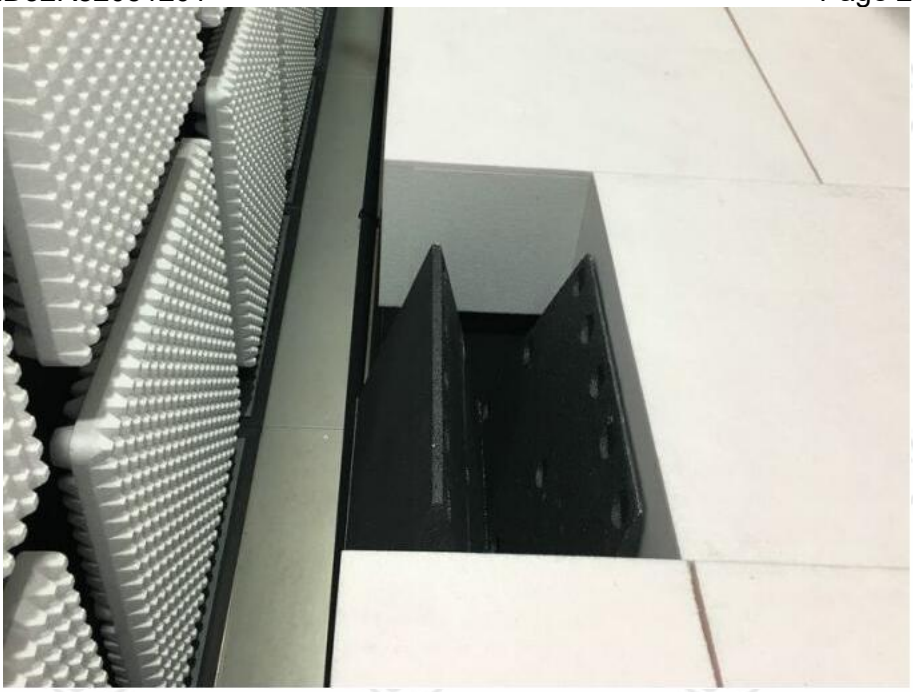
New



Radiated spurious emission Test Setup-1(Below 1GHz)



Radiated spurious emission Test Setup-2(Above 1GHz)

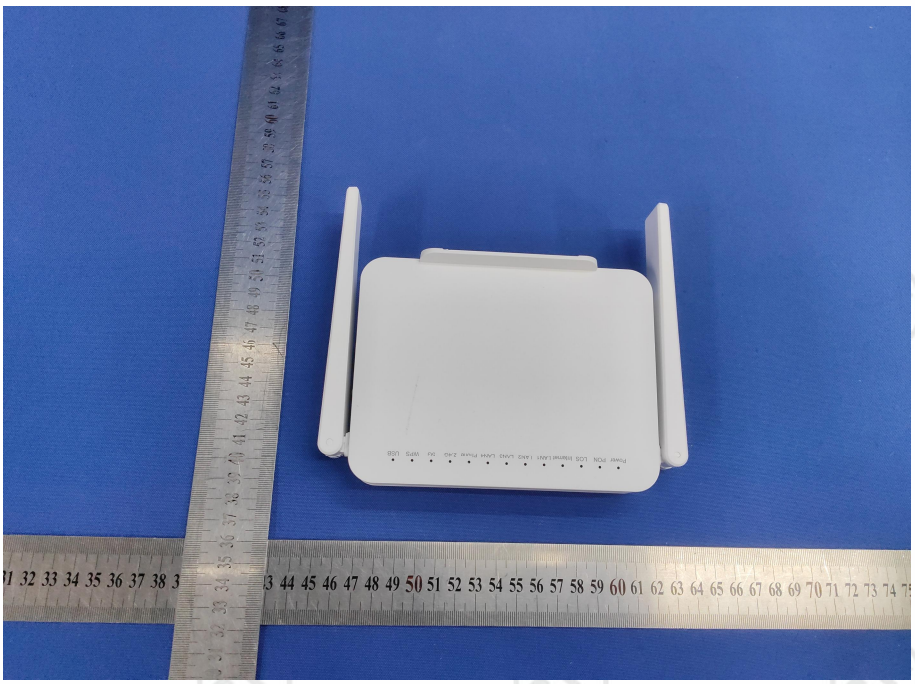


Radiated spurious emission Test Setup-3
There are absorbing materials under the ground.

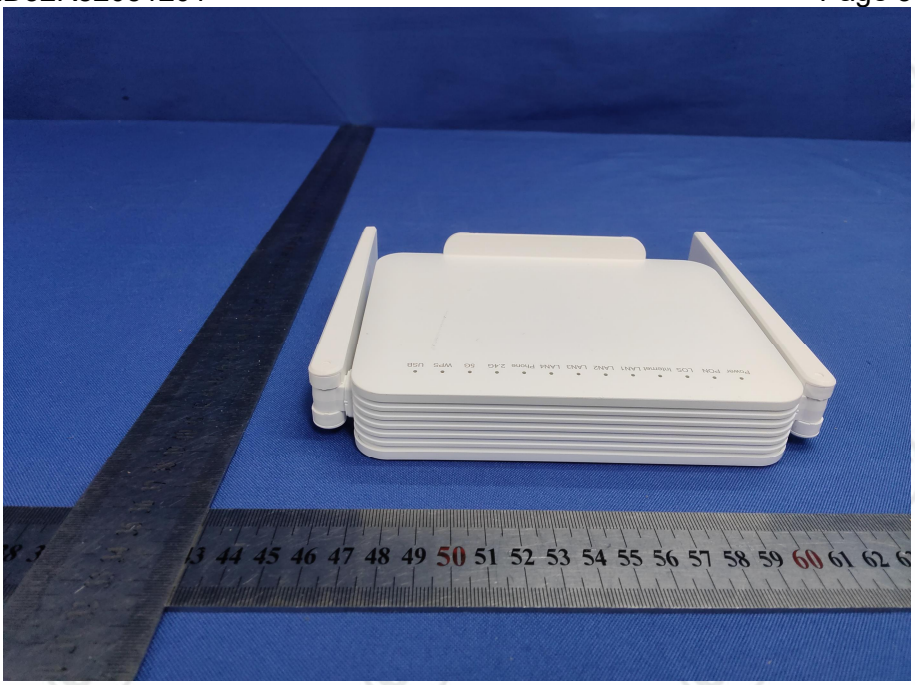
PHOTOGRAPHS OF EUT Constructional Details



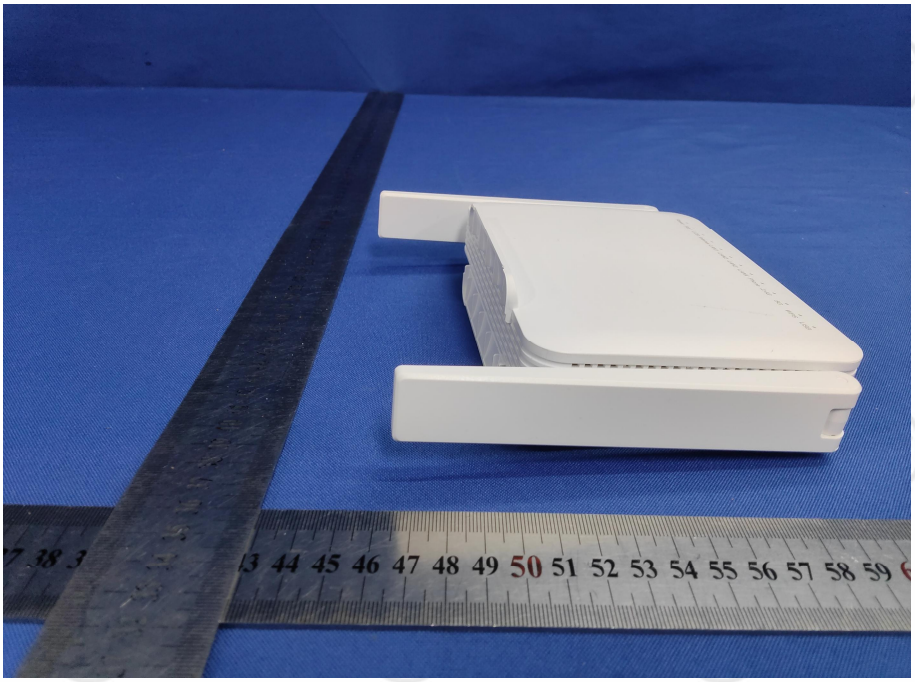
View Of Product - 1



View Of Product - 2



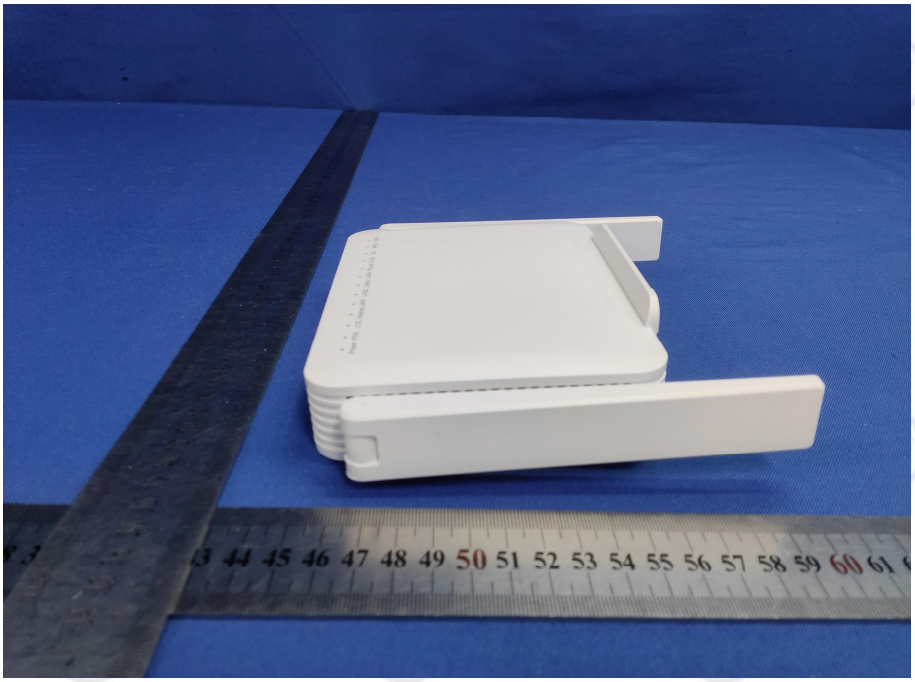
View Of Product - 3



View Of Product - 4



View Of Product - 5



View Of Product - 6



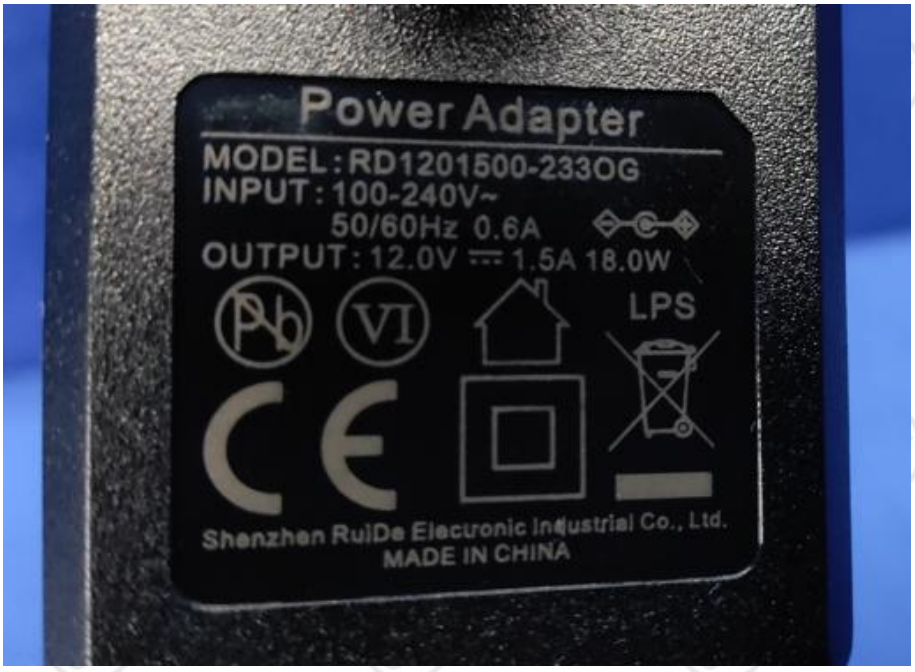
View Of Product - 7



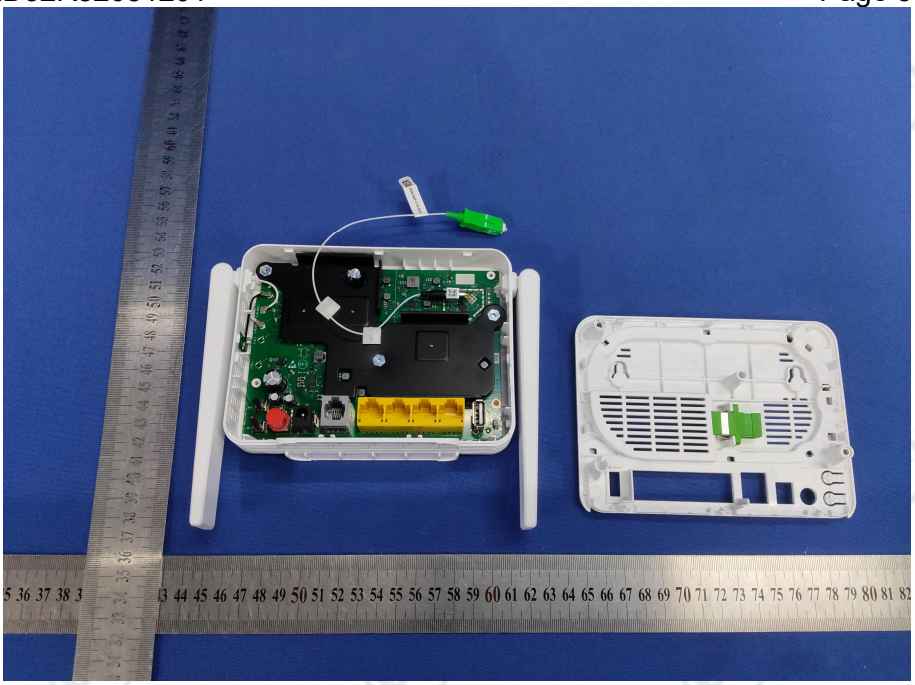
View Of Product - 8



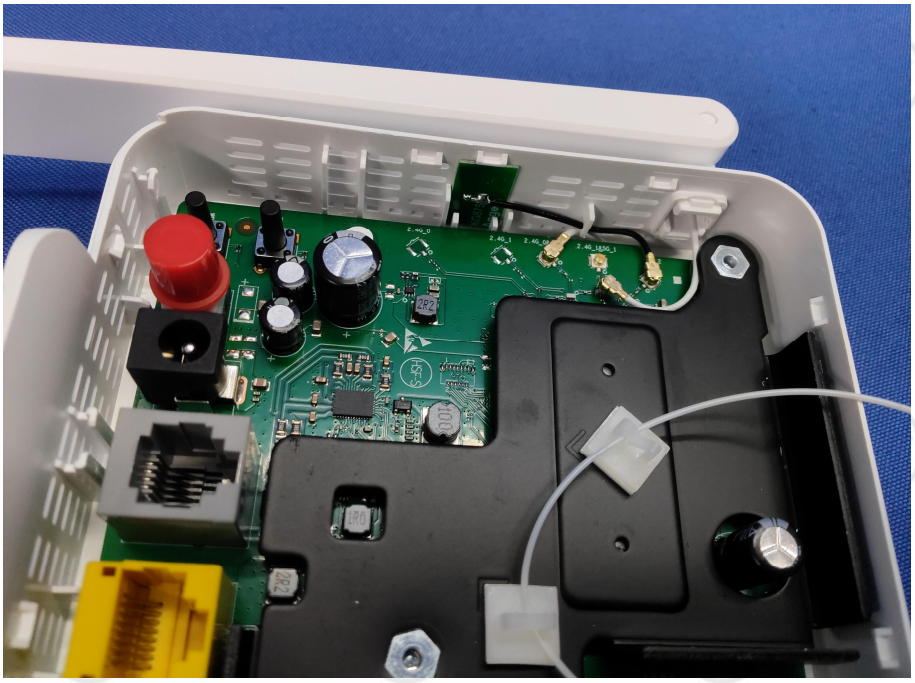
View Of Product - 9



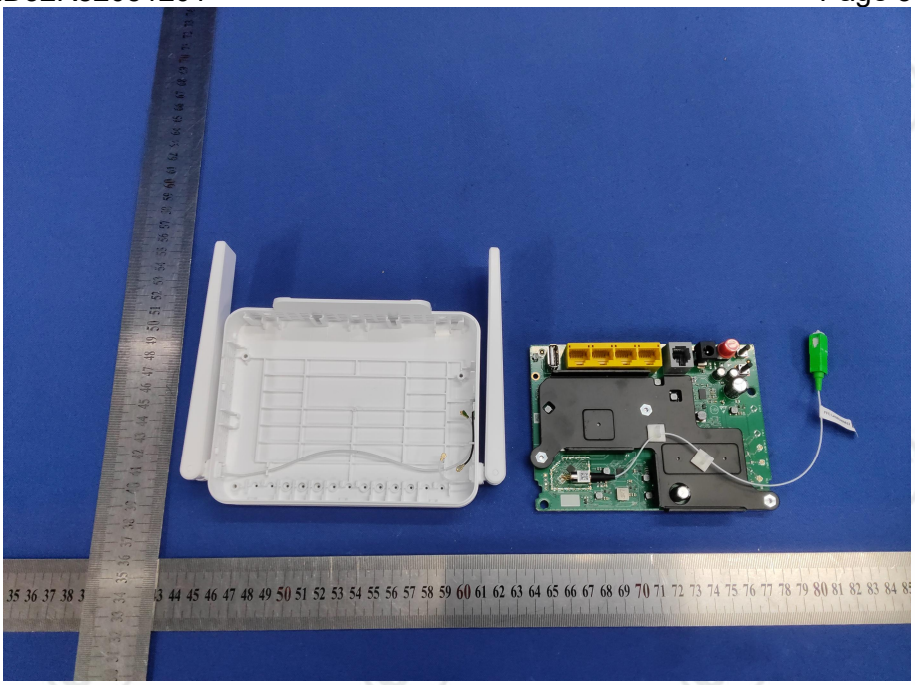
View Of Product - 10



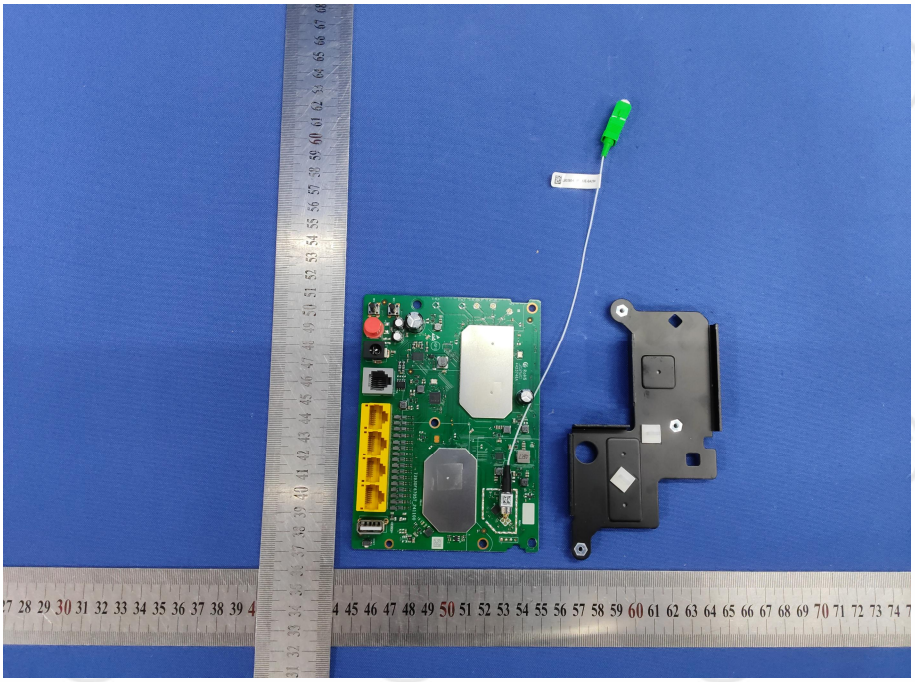
View Of Product - 11



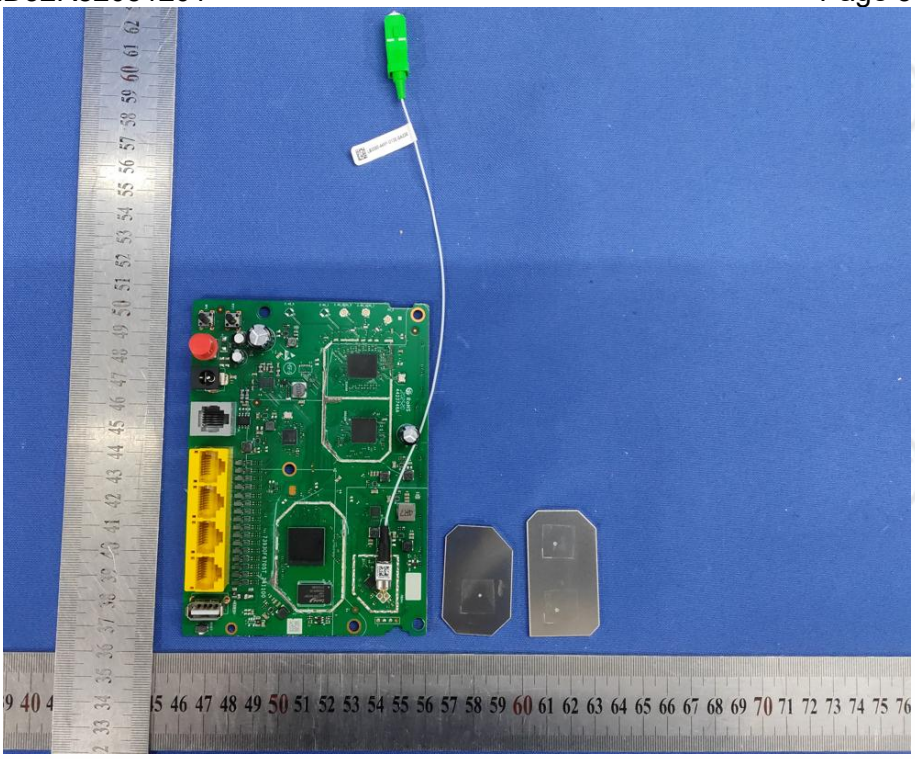
View Of Product - 12



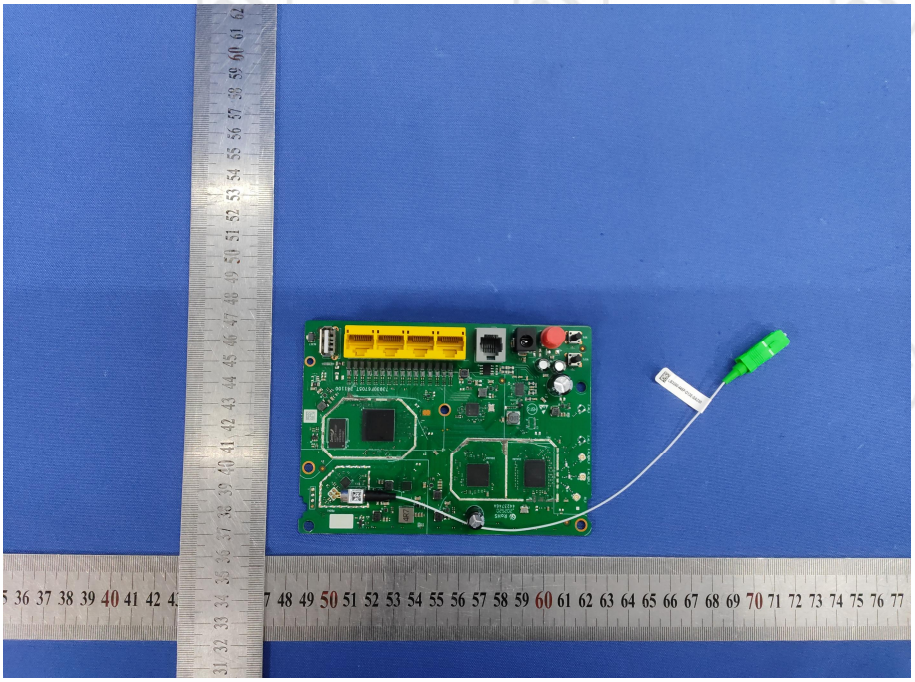
View Of Product - 13



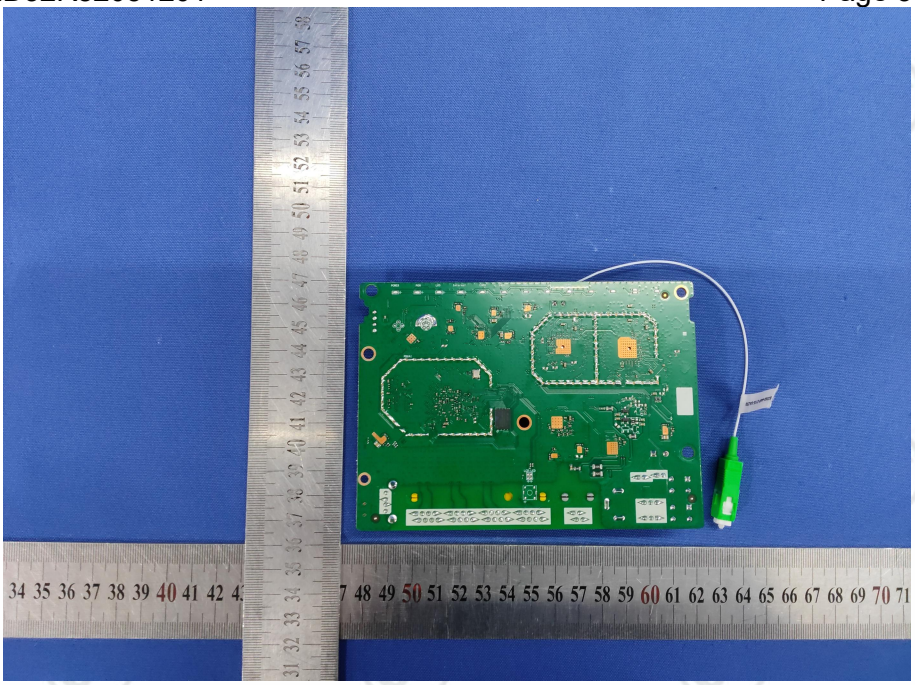
View Of Product - 14



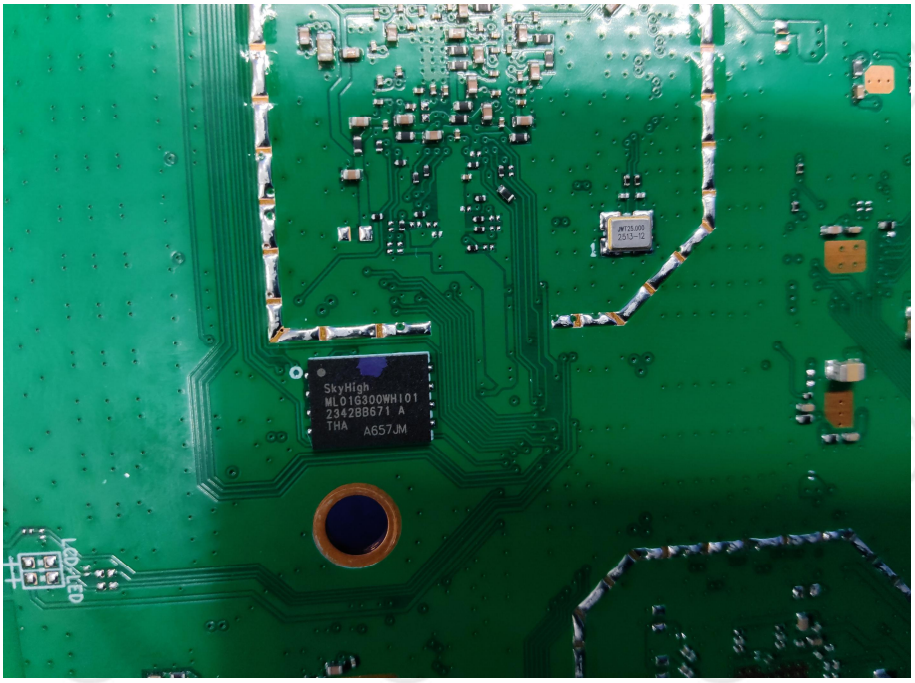
View Of Product - 15



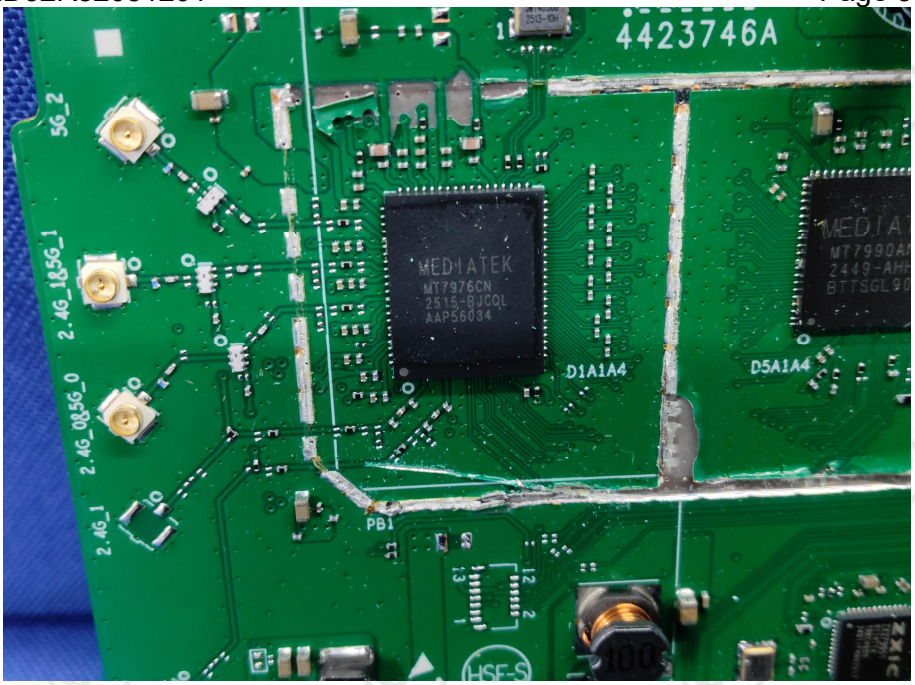
View Of Product - 16



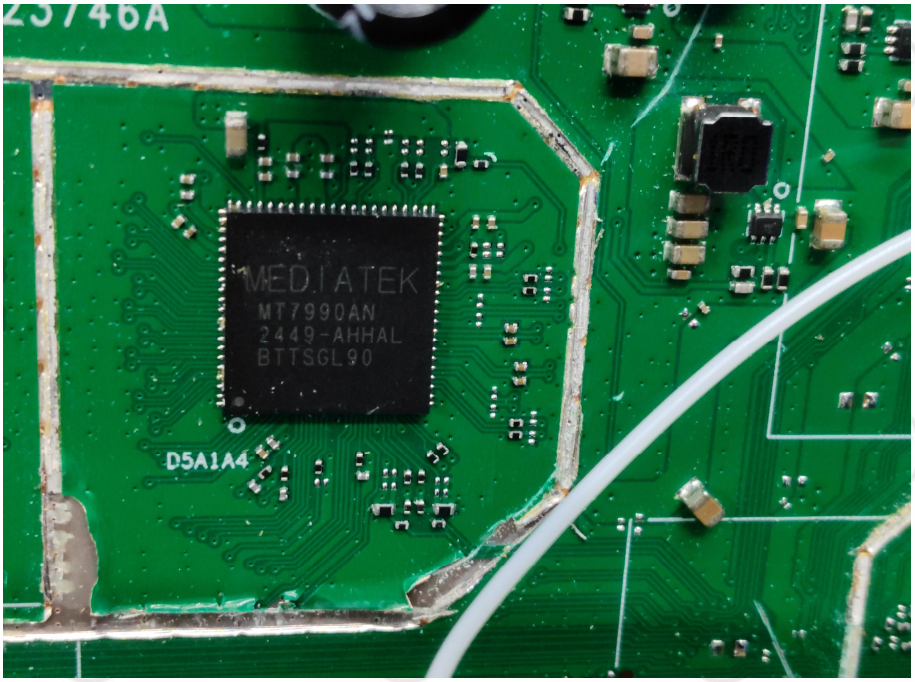
View Of Product - 17



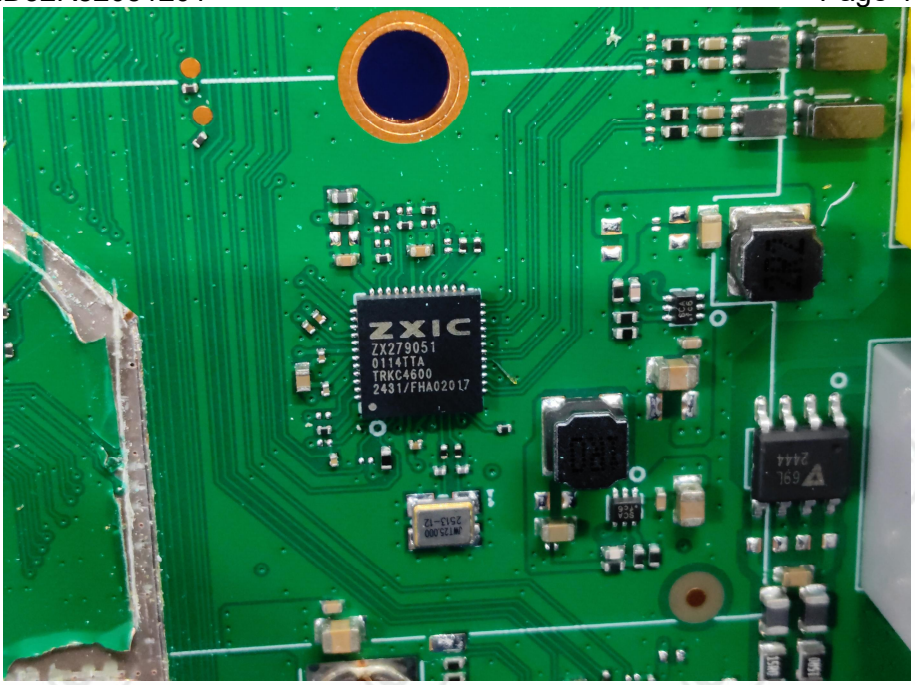
View Of Product - 18



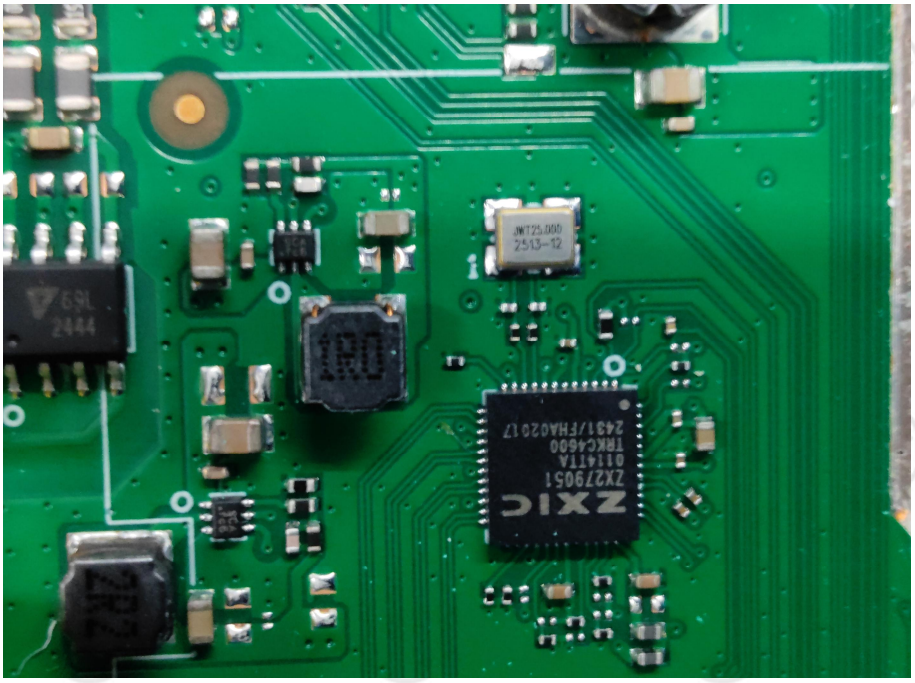
View Of Product - 19



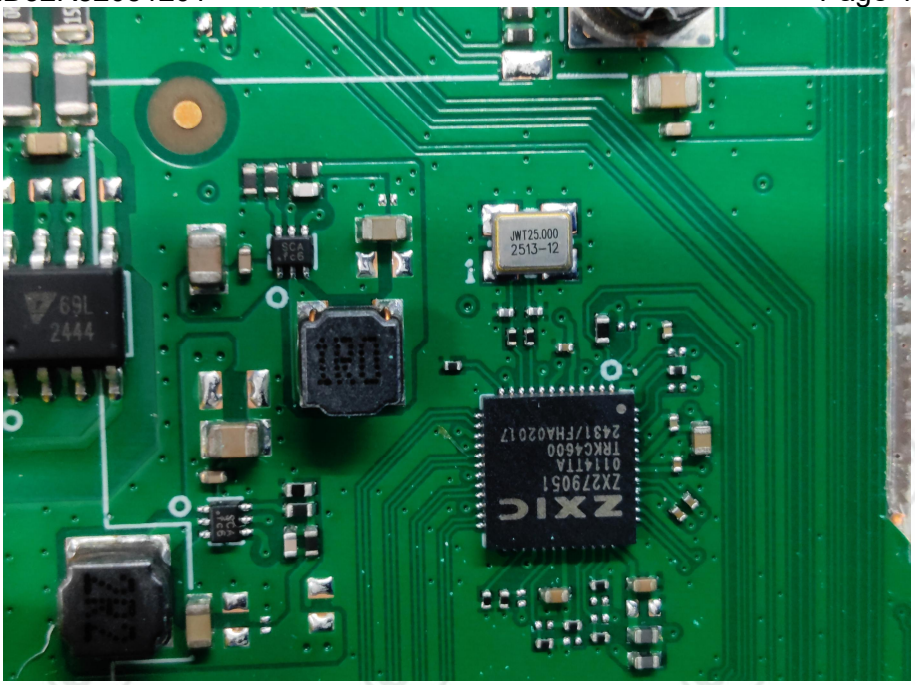
View Of Product - 20



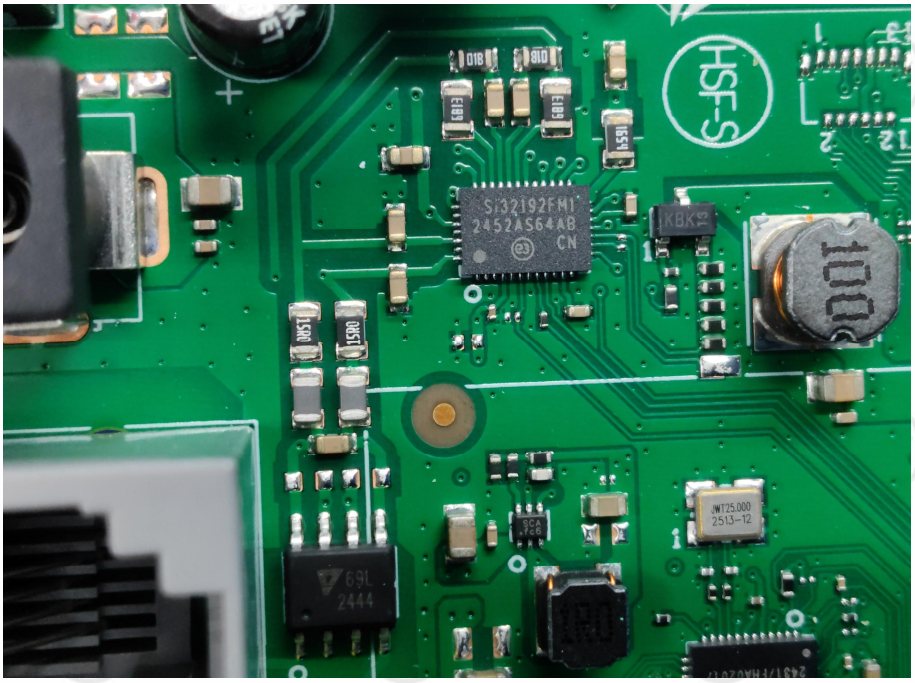
View Of Product - 21



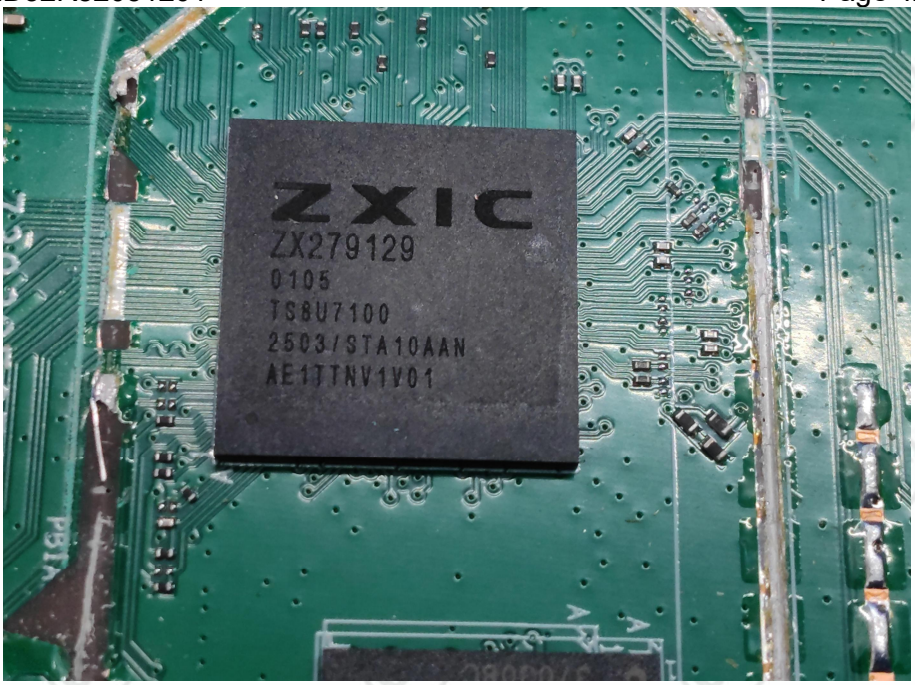
View Of Product - 22



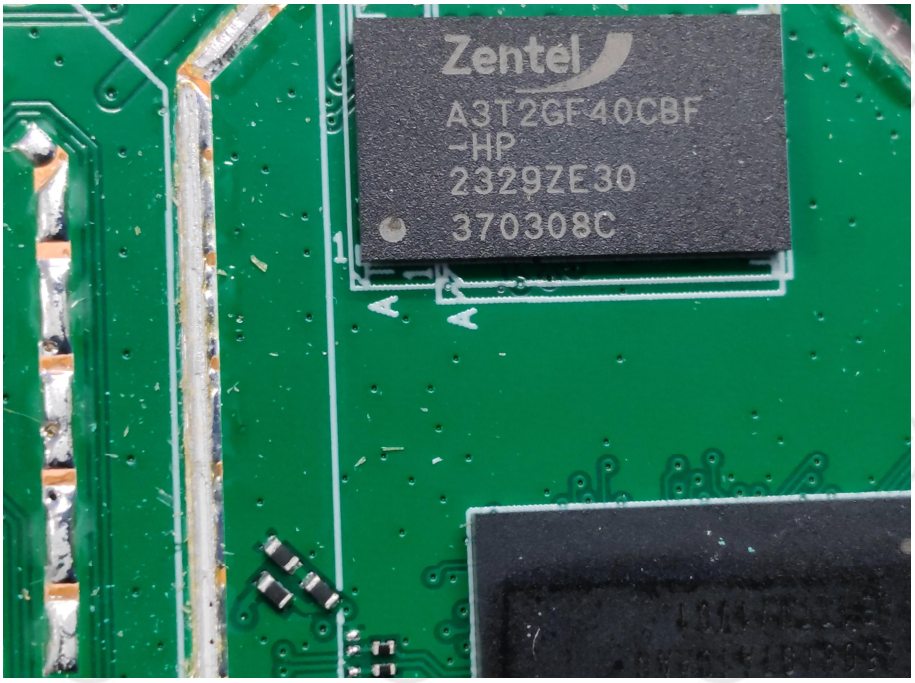
View Of Product - 23



View Of Product - 24



View Of Product - 25



View Of Product - 26

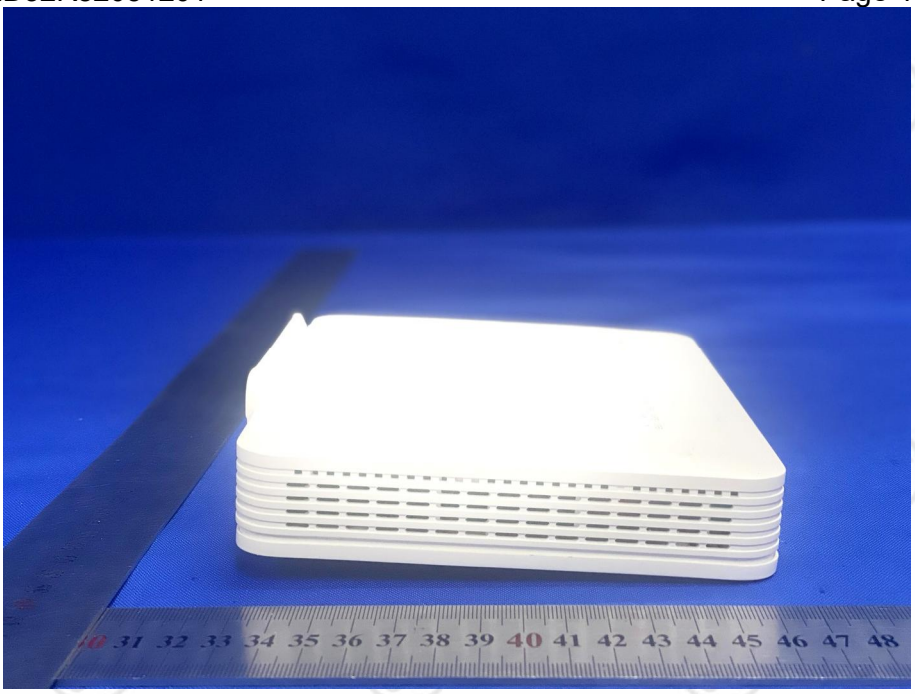
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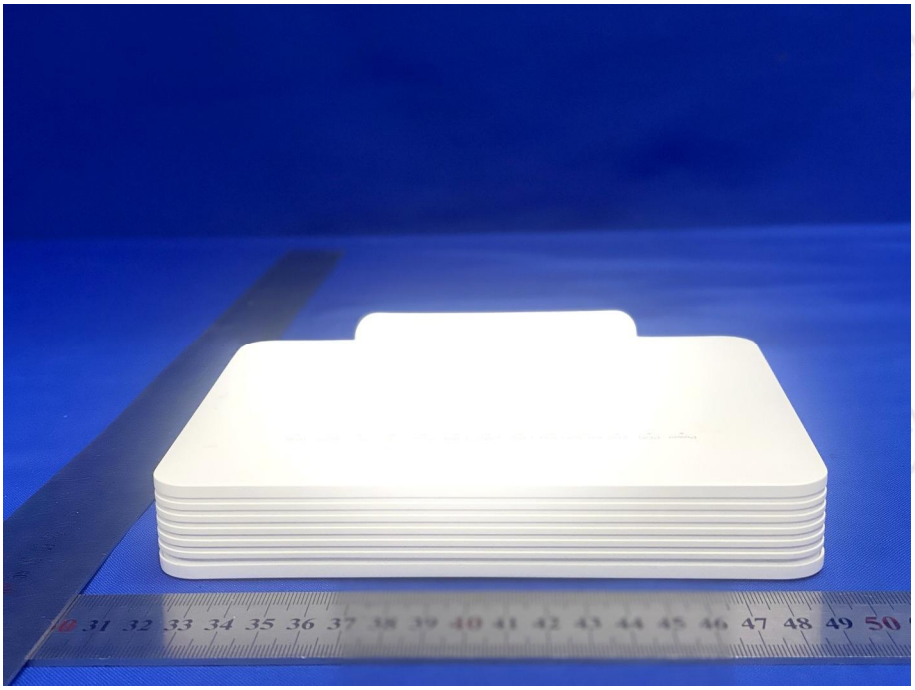
View of Product-1



View of Product-2



View of Product-3



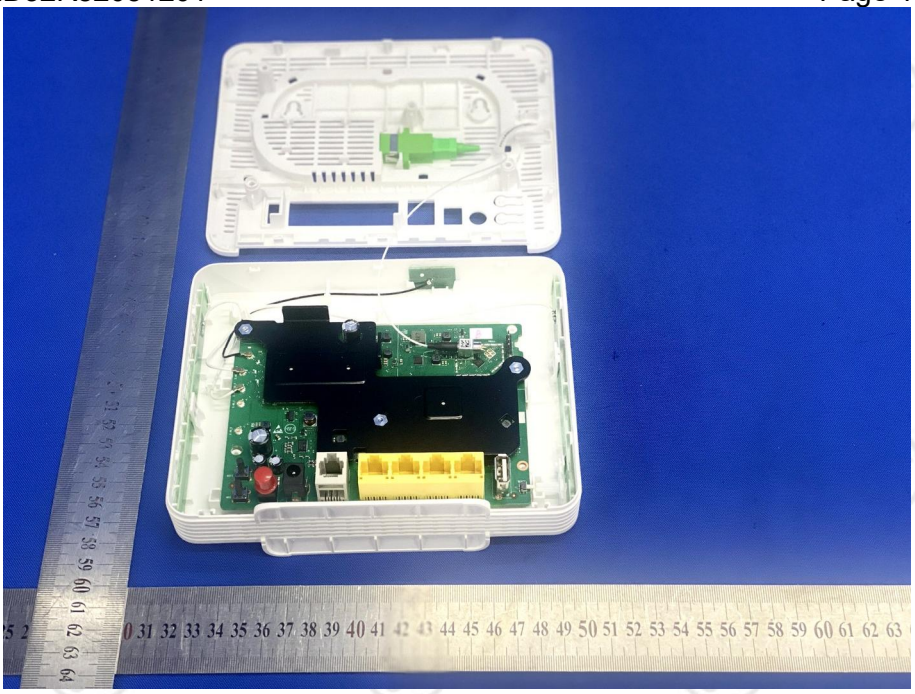
View of Product-4



View of Product-5



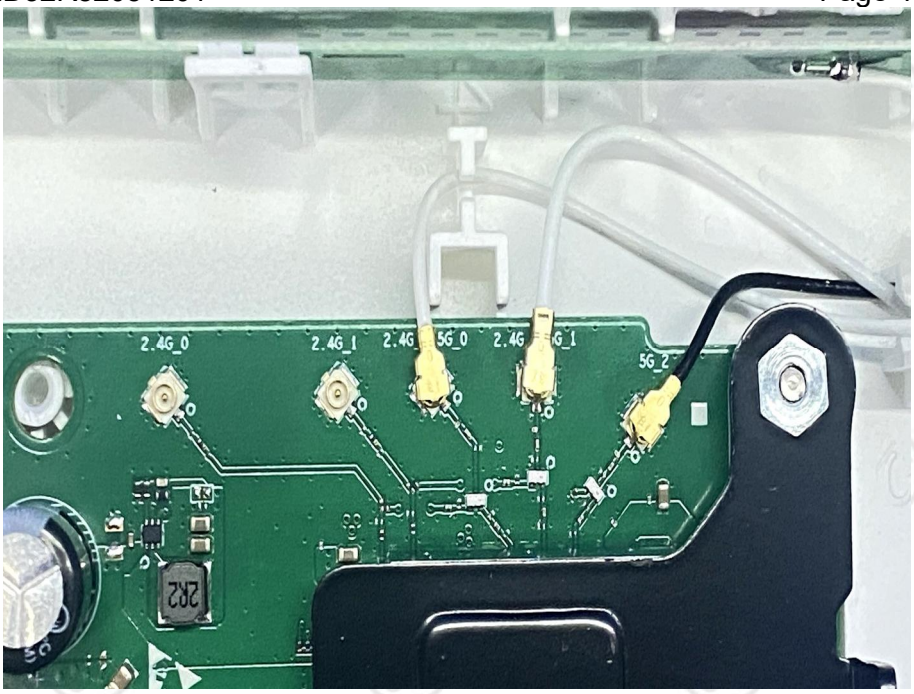
View of Product-6



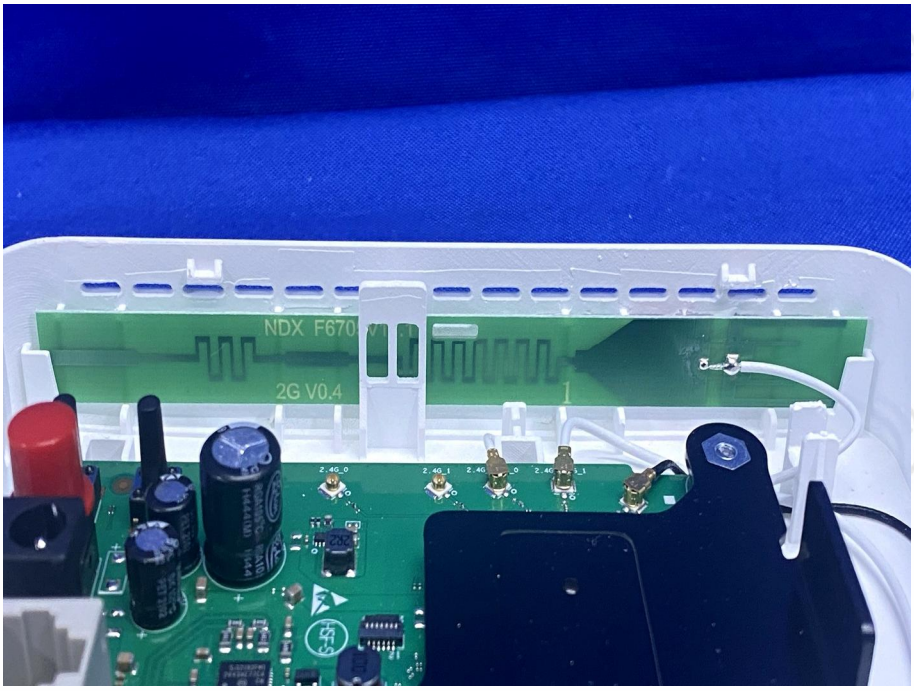
View of Product-7



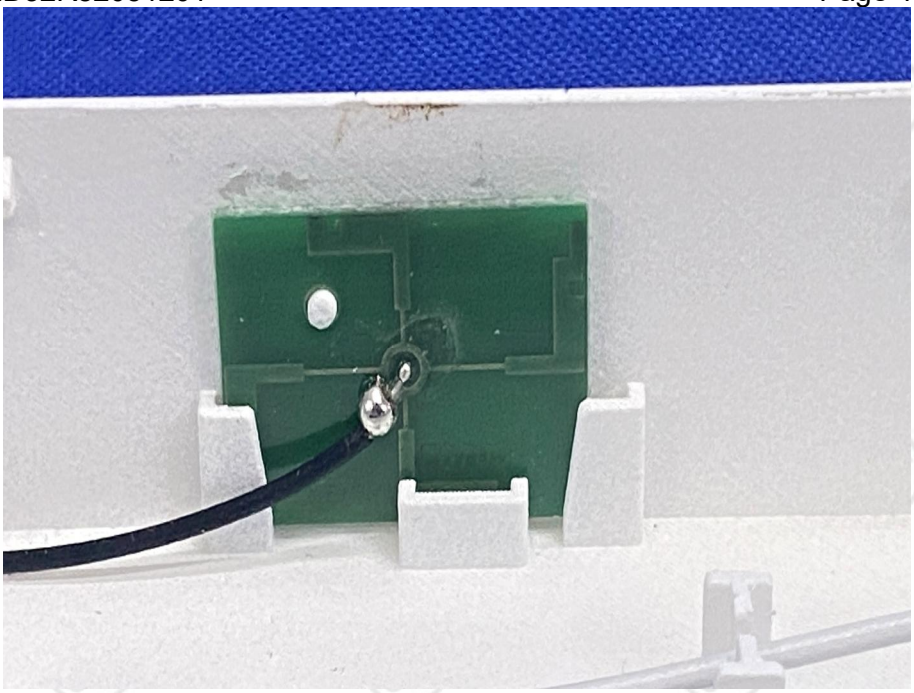
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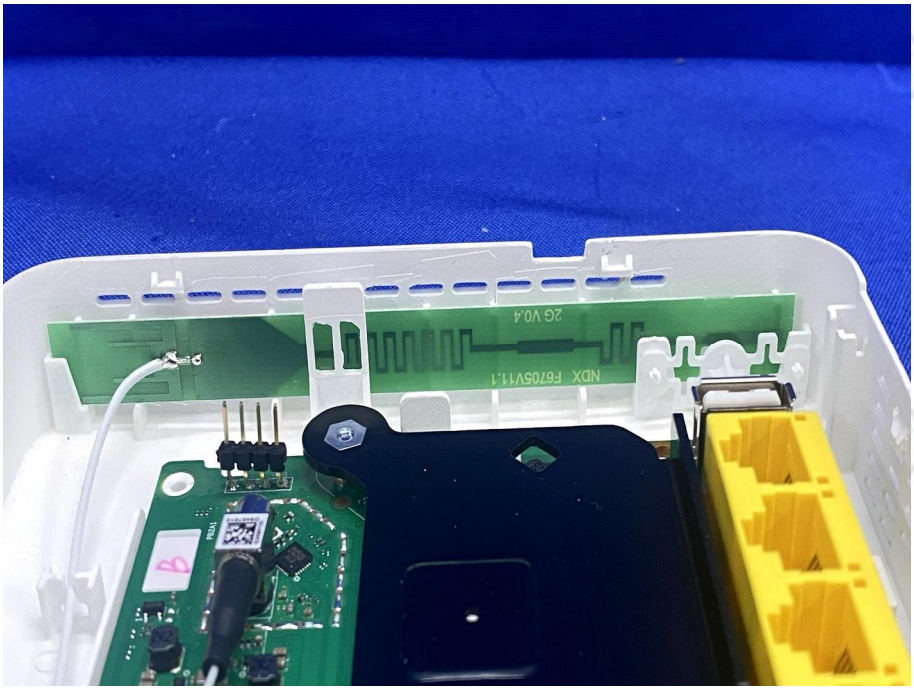
View of Product-9



View of Product-10



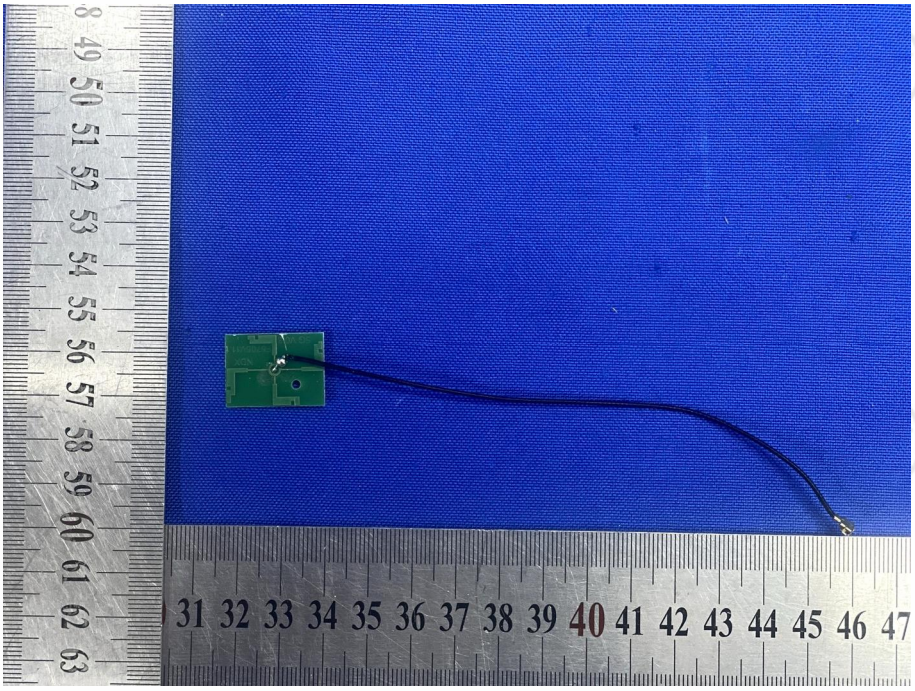
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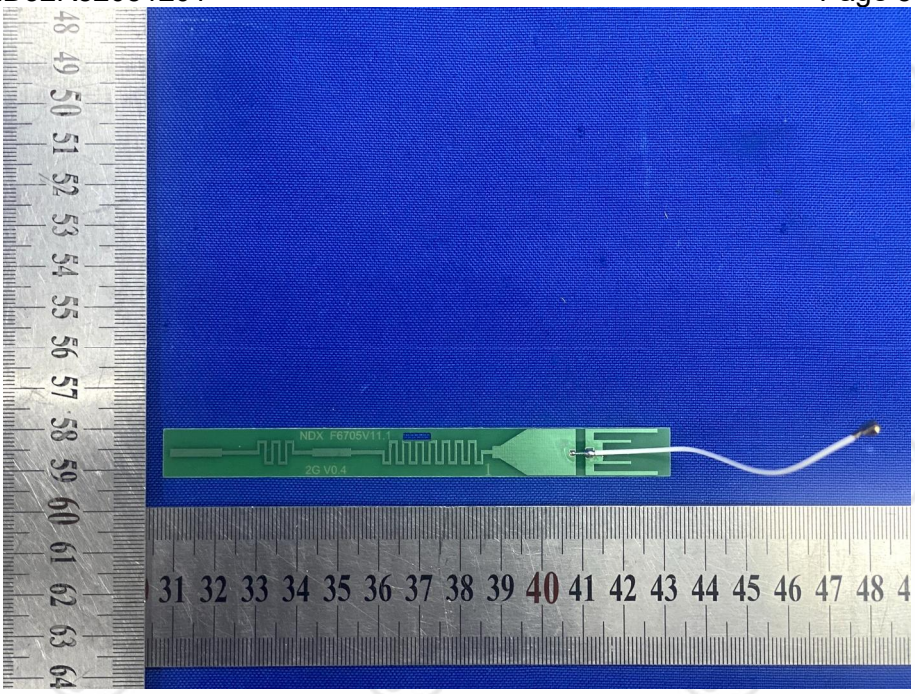
View of Product-12



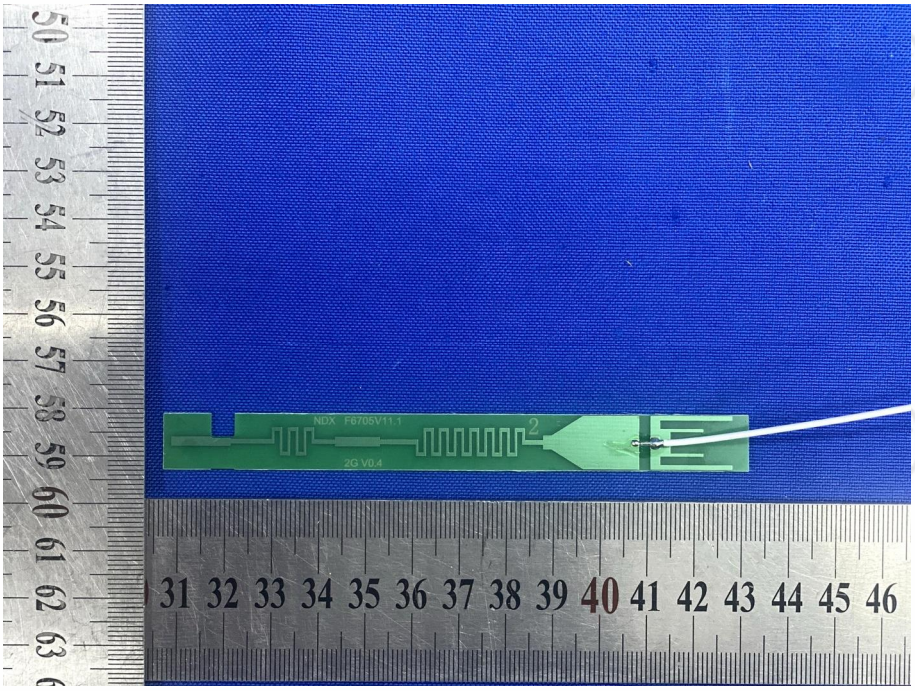
View of Product-13



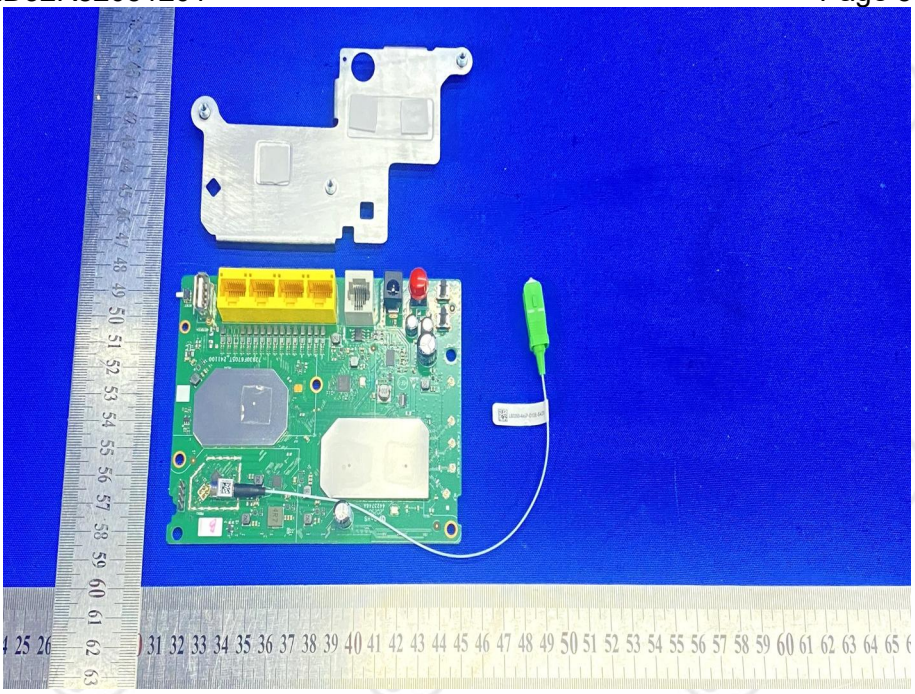
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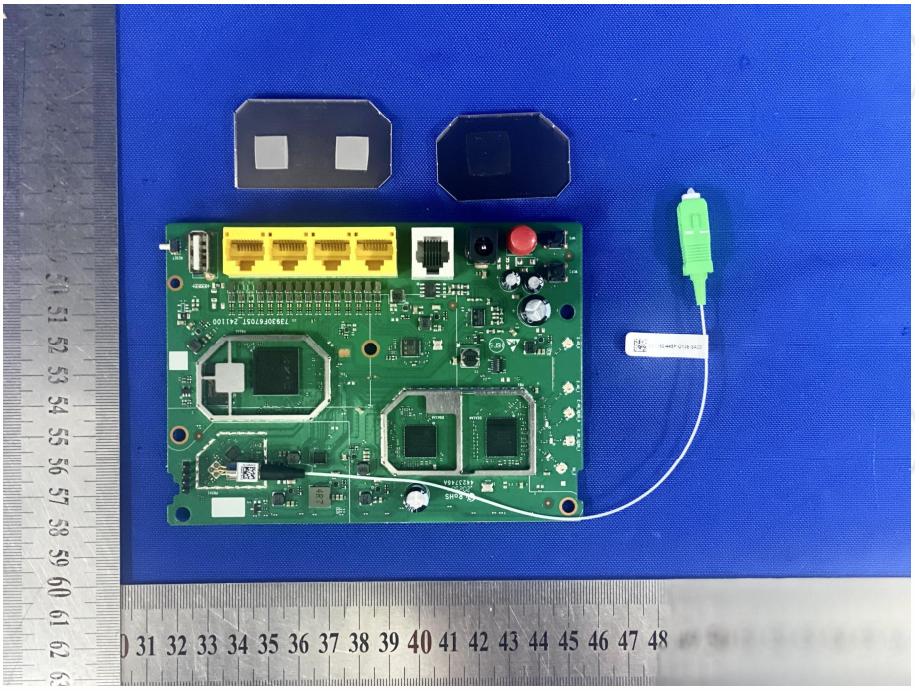
View of Product-15



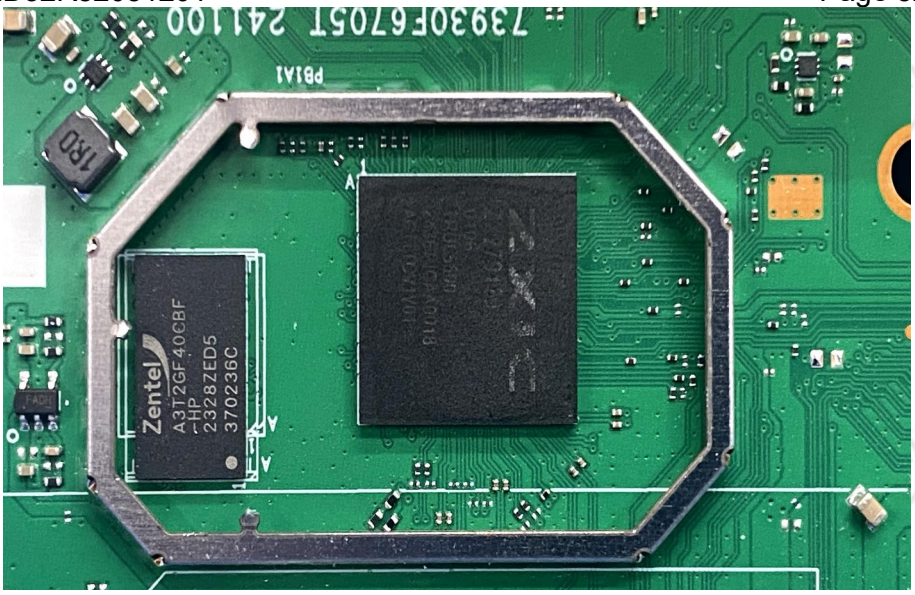
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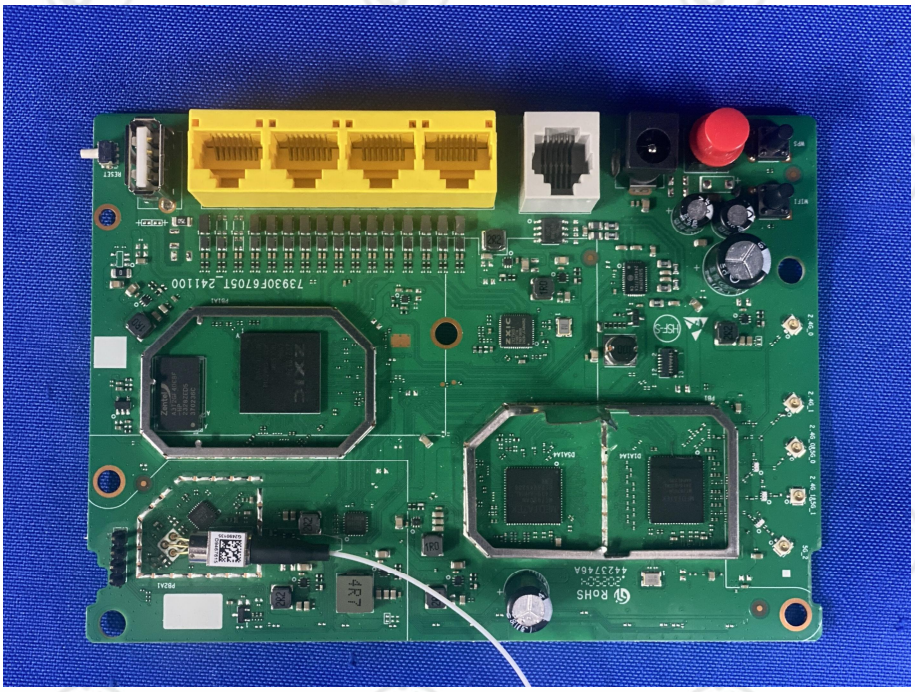
View of Product-17



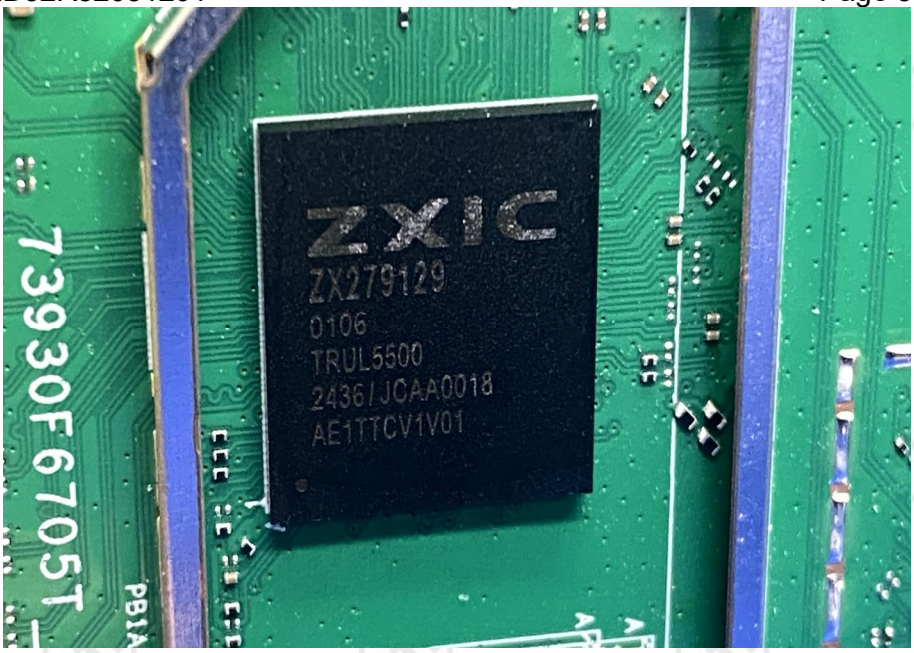
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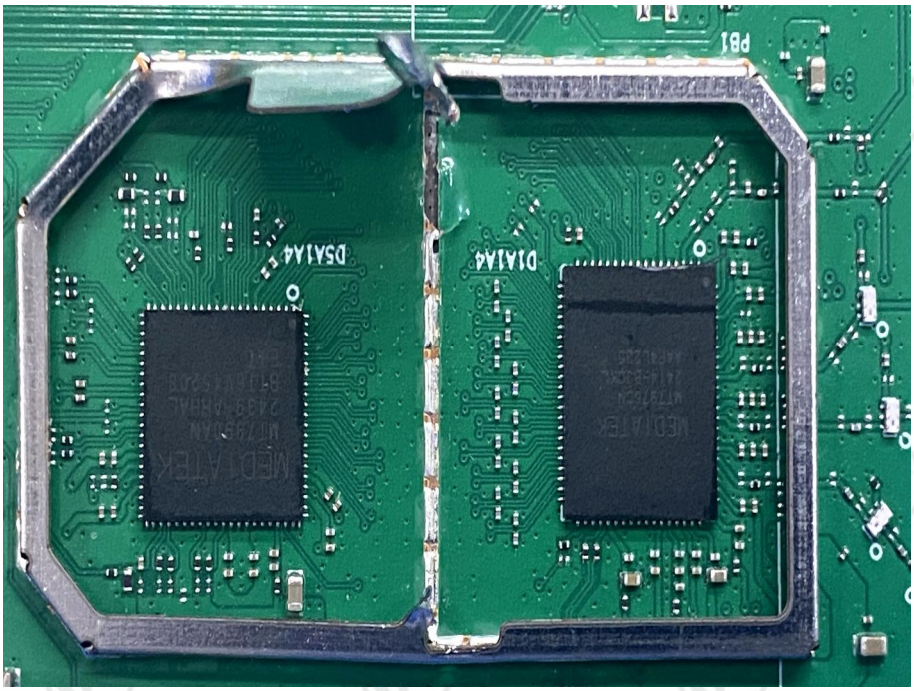
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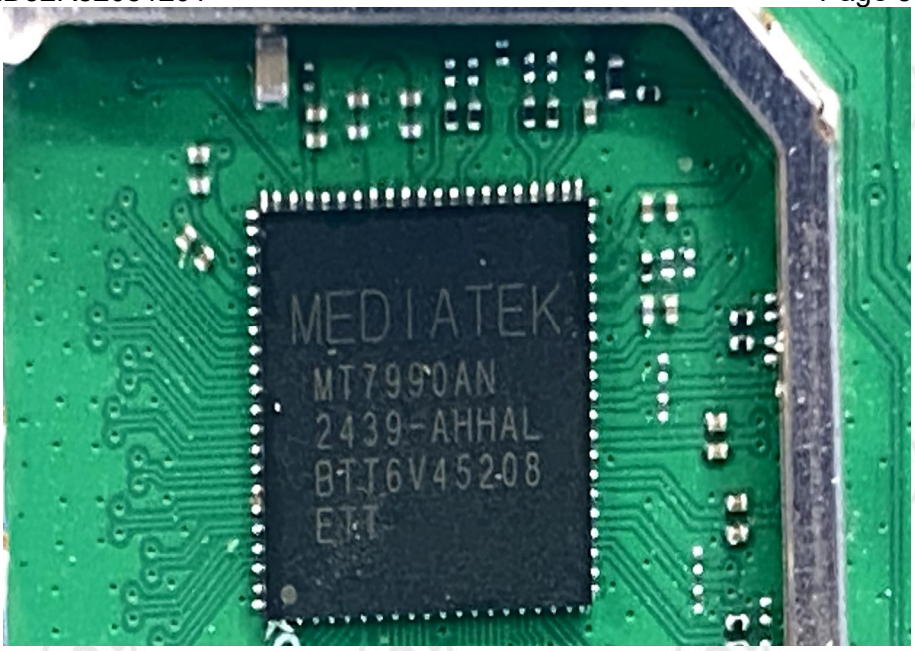
View of Product-20



View of Product-21



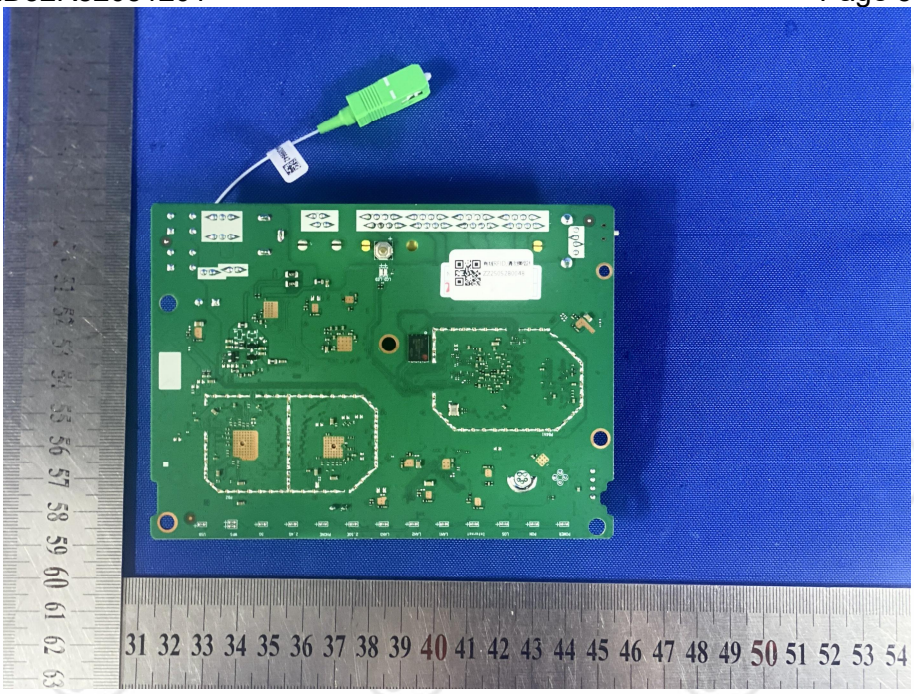
View of Product-22



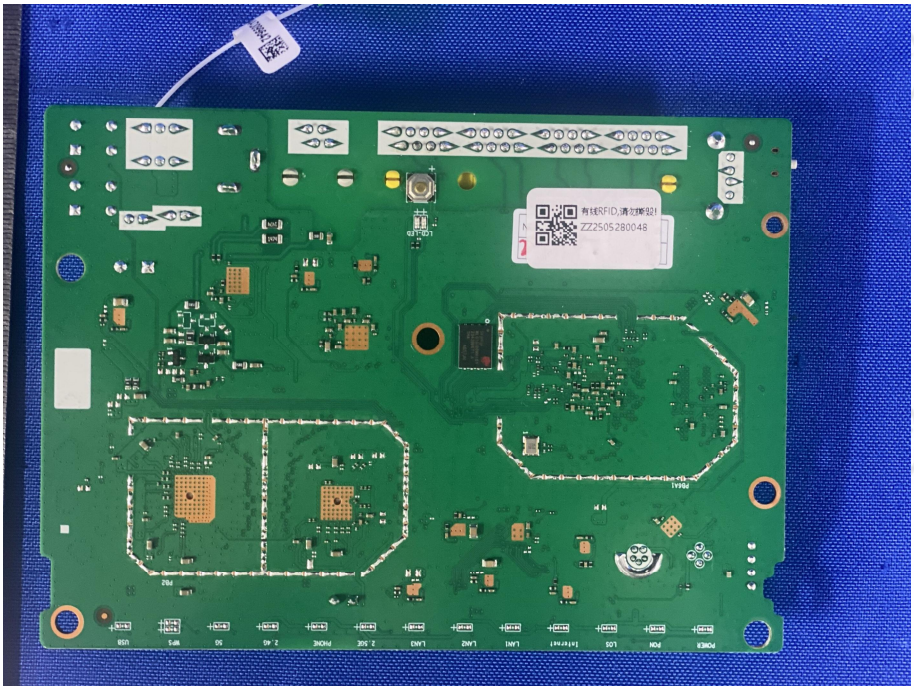
View of Product-23



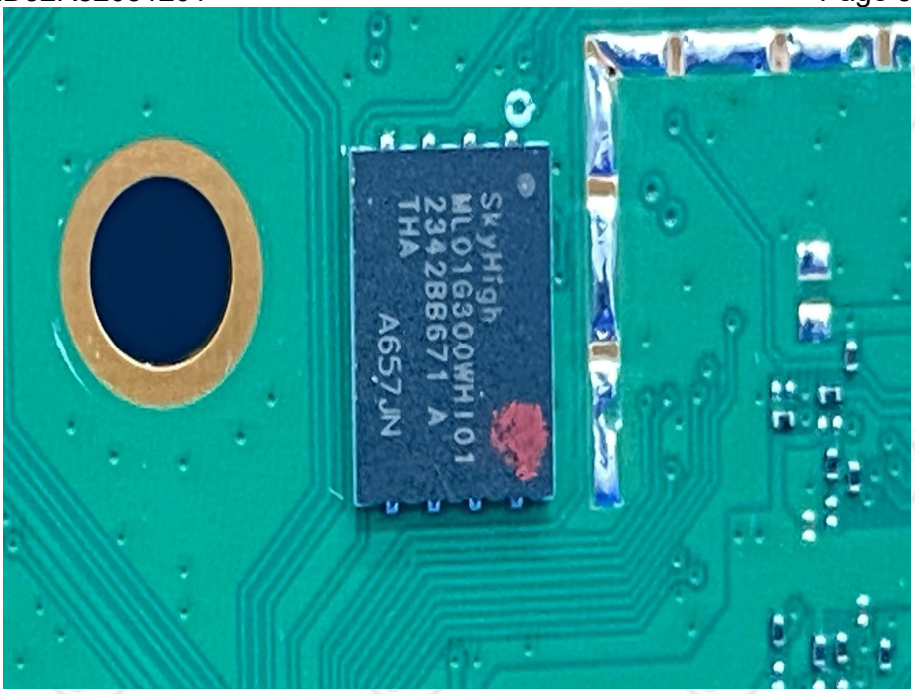
View of Product-24



View of Product-25



View of Product-26



View of Product-27

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;

4. Unless otherwise stated,the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule stated in ILAC-G8:09/2019/CNAS-GL015:2022;

5. Without written approval of CTI, this report can't be reproduced except in full;

*** End of Report ***